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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : P3429

ATTENTION : Mary I. Murphy

Laboratory Certification ID # 20012

Table Of Contents for P3429

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : P3429

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3429-01	926-K1-WS-073124
P3429-02	931-K1-WS-073124
P3429-03	925-K1-WS-073124
P3429-04	TB-01-073124

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: 10/14/2024

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
Chemtech Project # P3429
Test Name: SVOCMS Group6

A. Number of Samples and Date of Receipt:
4 Water samples were received on 07/31/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOC-SIMGroup1, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. This data package contains results for SVOCMS Group6.

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 Group6 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for MLS-15-70-85MSD [2,4,6-Tribromophenol - 115%], PB162423BL [2,4 and6-Tribromophenol - 120%] these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {P3415-04MS} with File ID: BF138909.D recoveries met the requirements for all compounds except for Benzo(k)fluoranthene[131%] this compound did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[0%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {P3415-05MSD} with File ID: BF138910.D recoveries met the acceptable requirements except for 2,4-Dinitrotoluene[131%], Acenaphthylene[131%], Anthracene[133%], Benzo(a)pyrene[133%], Benzo(k)fluoranthene[140%], Chrysene[132%], Di-n-butylphthalate[137%] these compounds did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[8%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

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The RPD for {P3415-05MSD} with File ID: BF138910.D met criteria except for Benzaldehyde[200%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF138834.D met the requirements except for Pentachlorophenol but no positive hits in associated samples therefore no corrective action taken.

The Continuous Calibration File ID BF138879.D met the requirements except for Benzaldehyde is failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

This data package has been revised due to parameter list changed.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

CHEMTECH PROJECT NUMBER: P3429 MATRIX: Water

METHOD: 8270E/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	

The Initial Calibration met the requirements .

The Continuous Calibration File ID BF138834.D met the requirements except for Pentachlorophenol but no positive hits in associated samples therefore no corrective action taken.

The Continuous Calibration File ID BF138879.D met the requirements except for Benzaldehyde is failing marginally low therefore no corrective action taken.

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	

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

The Surrogate recoveries met the acceptable criteria except for MLS-15-70-85MSD [2,4,6-Tribromophenol - 115%], PB162423BL [2,4 and6-Tribromophenol - 120%] these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

(CONTINUED)

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

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

The MS {P3415-04MS} with File ID: BF138909.D recoveries met the requirements for all compounds except for Benzo(k)fluoranthene[131%] this compound did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[0%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {P3415-05MSD} with File ID: BF138910.D recoveries met the acceptable requirements except for 2,4-Dinitrotoluene[131%], Acenaphthylene[131%], Anthracene[133%], Benzo(a)pyrene[133%], Benzo(k)fluoranthene[140%], Chrysene[132%], Di-n-butylphthalate[137%] these compounds did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[8%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The Blank Spike met requirements for all samples .

The RPD for {P3415-05MSD} with File ID: BF138910.D met criteria except for Benzaldehyde[200%] due to difference in results of MS and MSD.

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

Comments:

10.	Extraction Holding Time Met			✓

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

11.	Analysis Holding Time Met			✓

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

ADDITIONAL COMMENTS:

This data package has been revised due to parameter list changed.
The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW _____ Date _____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3429

	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:** 10/14/2024

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

LAB CHRONICLE

OrderID:	P3429	**OrderDate:**	7/31/2024 4:38:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3429-01	**926-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOCMS Group6	8270E		08/01/24	08/07/24	
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-02	**931-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOCMS Group6	8270E		08/01/24	08/07/24	
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-03	**925-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOCMS Group6	8270E		08/01/24	08/07/24	
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P3429

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3415-04MS	MLS-15-70-85MS	2-Fluorophenol	150	63.4	42		15 (10)	110 (139)
		Phenol-d6	150	38.9	26		15 (10)	110 (134)
		Nitrobenzene-d5	100	108	108		30 (49)	130 (133)
		2-Fluorobiphenyl	100	110	110		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	162	108		15 (44)	110 (137)
		Terphenyl-d14	100	116	116		30 (48)	130 (125)
P3415-05MSD	MLS-15-70-85MSD	2-Fluorophenol	150	65.9	44		15 (10)	110 (139)
		Phenol-d6	150	40.2	27		15 (10)	110 (134)
		Nitrobenzene-d5	100	117	117		30 (49)	130 (133)
		2-Fluorobiphenyl	100	114	114		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	172	115	*	15 (44)	110 (137)
		Terphenyl-d14	100	127	127		30 (48)	130 (125)
P3429-01	926-K1-WS-073124	2-Fluorophenol	150	65.5	44		15 (10)	110 (139)
		Phenol-d6	150	39.2	26		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.2	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.2	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	147	98		15 (32)	110 (145)
		Terphenyl-d14	100	108	108		30 (36)	130 (145)
P3429-02	931-K1-WS-073124	2-Fluorophenol	150	58.9	39		15 (10)	110 (139)
		Phenol-d6	150	36.0	24		15 (10)	110 (134)
		Nitrobenzene-d5	100	89.1	89		30 (49)	130 (133)
		2-Fluorobiphenyl	100	91.0	91		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	137	91		15 (32)	110 (145)
		Terphenyl-d14	100	91.7	92		30 (36)	130 (145)
P3429-03	925-K1-WS-073124	2-Fluorophenol	150	64.5	43		15 (10)	110 (139)
		Phenol-d6	150	38.1	25		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.7	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	105	105		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	162	108		15 (32)	110 (145)
		Terphenyl-d14	100	111	111		30 (36)	130 (145)
PB162423BL	PB162423BL	2-Fluorophenol	150	161	107		15 (10)	110 (139)
		Phenol-d6	150	161	107		15 (10)	110 (134)
		Nitrobenzene-d5	100	108	108		30 (49)	130 (133)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	179	120	*	15 (44)	110 (137)
		Terphenyl-d14	100	129	129		30 (48)	130 (125)
PB162423BS	PB162423BS	2-Fluorophenol	150	135	90		15 (10)	110 (139)
		Phenol-d6	150	133	89		15 (10)	110 (134)
		Nitrobenzene-d5	100	84.7	85		30 (49)	130 (133)
		2-Fluorobiphenyl	100	87.0	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	136	91		15 (44)	110 (137)
		Terphenyl-d14	100	118	118		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3429

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: P3415-04MS		**Client Sample ID: MLS-15-70-85MS**						**DataFile: BF138909.D**			
Pyridine	52.1	0	17.1	ug/L	33				20 (10)	160 (109)	
Benzaldehyde	52.1	0	0	ug/L	0	*			20 (10)	160 (137)	
2-Methylphenol	52.1	0	40.2	ug/L	77				70 (37)	130 (126)	
3+4-Methylphenols	52.1	0	37.0	ug/L	71				20 (31)	160 (127)	
Hexachloroethane	52.1	0	44.2	ug/L	85				20 (49)	160 (110)	
Nitrobenzene	52.1	0	57.1	ug/L	110				70 (62)	130 (112)	
Naphthalene	52.1	0	52.1	ug/L	100				70 (17)	130 (157)	
Hexachlorobutadiene	52.1	0	46.5	ug/L	89				70 (52)	130 (125)	
2-Methylnaphthalene	52.1	0	57.3	ug/L	110				70 (38)	130 (146)	
2,4,6-Trichlorophenol	52.1	0	57.9	ug/L	111				70 (78)	130 (112)	
2,4,5-Trichlorophenol	52.1	0	53.7	ug/L	103				70 (71)	130 (111)	
Acenaphthylene	52.1	0	64.7	ug/L	124				70 (40)	130 (141)	
Acenaphthene	52.1	0	59.4	ug/L	114				70 (37)	130 (146)	
Dibenzofuran	52.1	0	63.0	ug/L	121				70 (41)	130 (145)	
2,4-Dinitrotoluene	52.1	0	63.0	ug/L	121				70 (50)	130 (142)	
Fluorene	52.1	0	63.1	ug/L	121				70 (39)	130 (144)	
Hexachlorobenzene	52.1	0	63.5	ug/L	122				70 (72)	130 (115)	
Pentachlorophenol	100	0	88.5	ug/L	89				20 (25)	160 (139)	
Phenanthrene	52.1	0	64.6	ug/L	124				70 (40)	130 (147)	
Anthracene	52.1	0	66.9	ug/L	128				70 (41)	130 (146)	
Carbazole	52.1	0	59.9	ug/L	115				70 (37)	130 (154)	
Di-n-butylphthalate	52.1	0	66.9	ug/L	128				70 (40)	130 (151)	
Fluoranthene	52.1	0	55.9	ug/L	107				70 (42)	130 (146)	
Pyrene	52.1	0	56.2	ug/L	108				70 (41)	130 (149)	
Benzo(a)anthracene	52.1	0	63.3	ug/L	121				70 (41)	130 (147)	
Chrysene	52.1	0	64.1	ug/L	123				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	52.1	0	64.9	ug/L	125				70 (33)	130 (160)	
Benzo(b)fluoranthene	52.1	0	57.7	ug/L	111				70 (40)	130 (150)	
Benzo(k)fluoranthene	52.1	0	68.1	ug/L	131	*			70 (40)	130 (147)	
Benzo(a)pyrene	52.1	0	66.2	ug/L	127				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	52.1	0	55.5	ug/L	107				70 (30)	130 (166)	
Dibenz(a,h)anthracene	52.1	0	55.4	ug/L	106				70 (23)	130 (172)	
Benzo(g,h,i)perylene	52.1	0	46.7	ug/L	90				70 (27)	130 (167)	
1,4-Dioxane	52.1	0	18.2	ug/L	35				20 (38)	160 (130)	
1-Methylnaphthalene	52.1	0	55.8	ug/L	107				70 (25)	130 (151)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: P3415-05MSD		**Client Sample ID: MLS-15-70-85MSD**						**DataFile:**	**BF138910.D**		
Pyridine	52.1	0	17.9	ug/L	34		3		20 (10)	160 (109)	20 (20)
Benzaldehyde	52.1	0	4.30	ug/L	8	*	200	*	20 (10)	160 (137)	20 (20)
2-Methylphenol	52.1	0	40.6	ug/L	78		1		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	52.1	0	38.4	ug/L	74		4		20 (31)	160 (127)	20 (20)
Hexachloroethane	52.1	0	44.7	ug/L	86		1		20 (49)	160 (110)	20 (20)
Nitrobenzene	52.1	0	61.4	ug/L	118		7		70 (62)	130 (112)	20 (20)
Naphthalene	52.1	0	55.9	ug/L	107		7		70 (17)	130 (157)	20 (20)
Hexachlorobutadiene	52.1	0	49.2	ug/L	94		5		70 (52)	130 (125)	20 (20)
2-Methylnaphthalene	52.1	0	62.5	ug/L	120		9		70 (38)	130 (146)	20 (20)
2,4,6-Trichlorophenol	52.1	0	60.7	ug/L	117		5		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	52.1	0	58.3	ug/L	112		8		70 (71)	130 (111)	20 (20)
Acenaphthylene	52.1	0	68.1	ug/L	131	*	5		70 (40)	130 (141)	20 (20)
Acenaphthene	52.1	0	61.4	ug/L	118		3		70 (37)	130 (146)	20 (20)
Dibenzofuran	52.1	0	65.7	ug/L	126		4		70 (41)	130 (145)	20 (20)
2,4-Dinitrotoluene	52.1	0	68.5	ug/L	131	*	8		70 (50)	130 (142)	20 (20)
Fluorene	52.1	0	66.1	ug/L	127		5		70 (39)	130 (144)	20 (20)
Hexachlorobenzene	52.1	0	65.7	ug/L	126		3		70 (72)	130 (115)	20 (20)
Pentachlorophenol	100	0	91.0	ug/L	91		2		20 (25)	160 (139)	20 (20)
Phenanthrene	52.1	0	67.4	ug/L	129		4		70 (40)	130 (147)	20 (20)
Anthracene	52.1	0	69.1	ug/L	133	*	4		70 (41)	130 (146)	20 (20)
Carbazole	52.1	0	64.4	ug/L	124		8		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	52.1	0	71.3	ug/L	137	*	7		70 (40)	130 (151)	20 (20)
Fluoranthene	52.1	0	59.0	ug/L	113		5		70 (42)	130 (146)	20 (20)
Pyrene	52.1	0	60.7	ug/L	117		8		70 (41)	130 (149)	20 (20)
Benzo(a)anthracene	52.1	0	67.3	ug/L	129		6		70 (41)	130 (147)	20 (20)
Chrysene	52.1	0	69.0	ug/L	132	*	7		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	52.1	0	67.7	ug/L	130		4		70 (33)	130 (160)	20 (20)
Benzo(b)fluoranthene	52.1	0	60.9	ug/L	117		5		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	52.1	0	73.1	ug/L	140	*	7		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	52.1	0	69.2	ug/L	133	*	5		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	52.1	0	58.6	ug/L	112		5		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	52.1	0	58.3	ug/L	112		6		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	52.1	0	49.9	ug/L	96		6		70 (27)	130 (167)	20 (20)
1,4-Dioxane	52.1	0	19.2	ug/L	37		6		20 (38)	160 (130)	20 (20)
1-Methylnaphthalene	52.1	0	59.2	ug/L	114		6		70 (25)	130 (151)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF138884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162423BS	Pyridine	50	33.5	ug/L	67				20 (29)	160 (97)	
	Benzaldehyde	50	40.0	ug/L	80				20 (10)	160 (162)	
	2-Methylphenol	50	48.8	ug/L	98				70 (69)	130 (109)	
	3+4-Methylphenols	50	51.0	ug/L	102				20 (67)	160 (106)	
	Hexachloroethane	50	46.0	ug/L	92				20 (76)	160 (118)	
	Nitrobenzene	50	43.2	ug/L	86				70 (58)	130 (106)	
	Naphthalene	50	44.7	ug/L	89				70 (64)	130 (107)	
	Hexachlorobutadiene	50	44.4	ug/L	89				70 (69)	130 (101)	
	2-Methylnaphthalene	50	47.5	ug/L	95				70 (64)	130 (107)	
	2,4,6-Trichlorophenol	50	45.6	ug/L	91				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.7	ug/L	89				70 (70)	130 (106)	
	Acenaphthylene	50	48.8	ug/L	98				70 (79)	130 (103)	
	Acenaphthene	50	44.3	ug/L	89				70 (59)	130 (113)	
	Dibenzofuran	50	47.1	ug/L	94				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	49.2	ug/L	98				70 (60)	130 (115)	
	Fluorene	50	47.6	ug/L	95				70 (64)	130 (107)	
	Hexachlorobenzene	50	45.2	ug/L	90				70 (73)	130 (106)	
	Pentachlorophenol	100	79.7	ug/L	80				20 (47)	160 (114)	
	Phenanthrene	50	46.8	ug/L	94				70 (62)	130 (109)	
	Anthracene	50	48.3	ug/L	97				70 (65)	130 (110)	
	Carbazole	50	46.3	ug/L	93				70 (62)	130 (106)	
	Di-n-butylphthalate	50	55.6	ug/L	111				70 (64)	130 (106)	
	Fluoranthene	50	48.3	ug/L	97				70 (64)	130 (110)	
	Pyrene	50	50.3	ug/L	101				70 (71)	130 (103)	
	Benzo(a)anthracene	50	46.8	ug/L	94				70 (62)	130 (107)	
	Chrysene	50	47.5	ug/L	95				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	45.6	ug/L	91				70 (59)	130 (110)	
	Benzo(b)fluoranthene	50	48.2	ug/L	96				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	53.2	ug/L	106				70 (77)	130 (105)	
	Benzo(a)pyrene	50	52.4	ug/L	105				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	46.7	ug/L	93				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	46.2	ug/L	92				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	41.6	ug/L	83				70 (75)	130 (118)	
	1,4-Dioxane	50	30.1	ug/L	60				20 (38)	160 (125)	
	1-Methylnaphthalene	50	44.0	ug/L	88				70 (51)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162423BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG NO.: P3429

Lab File ID: BF138883.D Lab Sample ID: PB162423BL

Instrument ID: BNA_F Date Extracted: 08/01/2024

Matrix: (soil/water) Water Date Analyzed: 08/09/2024

Level: (low/med) LOW Time Analyzed: 11:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162423BS	PB162423BS	BF138884.D	08/09/2024
MLS-15-70-85MS	P3415-04MS	BF138909.D	08/10/2024
MLS-15-70-85MSD	P3415-05MSD	BF138910.D	08/10/2024
926-K1-WS-073124	P3429-01	BF138847.D	08/07/2024
931-K1-WS-073124	P3429-02	BF138848.D	08/07/2024
925-K1-WS-073124	P3429-03	BF138849.D	08/07/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3429 SDG NO.: P3429

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.: P3429 SDG NO.: P3429

Lab File ID: BF138833.D DFTPP Injection Date: 08/07/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	39.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48
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	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.9 (18.6) 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	BF138834.D	08/07/2024	11:00
926-K1-WS-073124	P3429-01	BF138847.D	08/07/2024	17:36
931-K1-WS-073124	P3429-02	BF138848.D	08/07/2024	18:06
925-K1-WS-073124	P3429-03	BF138849.D	08/07/2024	18:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3429 SDG NO.: P3429

Lab File ID: BF138878.D DFTPP Injection Date: 08/09/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.8
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.4
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	7.1
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.1 (18.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138879.D	08/09/2024	09:48
PB162423BL	PB162423BL	BF138883.D	08/09/2024	11:52
PB162423BS	PB162423BS	BF138884.D	08/09/2024	12:23

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3429 SDG NO.: P3429

Lab File ID: BF138900.D DFTPP Injection Date: 08/10/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.8
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	40.9
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.7
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	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.6 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138901.D	08/10/2024	10:41
MLS-15-70-85MS	P3415-04MS	BF138909.D	08/10/2024	14:48
MLS-15-70-85MSD	P3415-05MSD	BF138910.D	08/10/2024	15:19

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/07/2024

Lab File ID: BF138834.D Time Analyzed: 11:00

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	53283	6.84	211206	8.12	116265	9.88
	UPPER LIMIT	106566	7.34	422412	8.622	232530	10.381
	LOWER LIMIT	26641.5	6.34	105603	7.622	58132.5	9.381
	EPA SAMPLE NO.						
01	926-K1-WS-073124	42757	6.84	180039	8.12	99192	9.87
02	931-K1-WS-073124	45617	6.84	185150	8.12	102137	9.87
03	925-K1-WS-073124	41178	6.84	167219	8.12	91023	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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/07/2024

Lab File ID: BF138834.D Time Analyzed: 11:00

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	196393	11.363	90664	14.004	98369	15.463
	UPPER LIMIT	392786	11.863	181328	14.504	196738	15.963
	LOWER LIMIT	98196.5	10.863	45332	13.504	49184.5	14.963
	EPA SAMPLE NO.						
01	926-K1-WS-073124	163767	11.36	80836	14.00	84652	15.46
02	931-K1-WS-073124	162112	11.36	78712	14.00	84478	15.46
03	925-K1-WS-073124	146465	11.36	69873	13.99	75535	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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/09/2024

Lab File ID: BF138879.D Time Analyzed: 09:48

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	65310	6.845	265298	8.13	151080	9.88
	UPPER LIMIT	130620	7.345	530596	8.628	302160	10.38
	LOWER LIMIT	32655	6.345	132649	7.628	75540	9.38
	EPA SAMPLE NO.						
01	PB162423BL	40879	6.84	169292	8.12	101270	9.88
02	PB162423BS	54661	6.84	239610	8.12	137458	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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/09/2024

Lab File ID: BF138879.D Time Analyzed: 09:48

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	254940	11.363	120643	14.004	111360	15.462
	UPPER LIMIT	509880	11.863	241286	14.504	222720	15.962
	LOWER LIMIT	127470	10.863	60321.5	13.504	55680	14.962
	EPA SAMPLE NO.						
01	PB162423BL	195894	11.36	116610	14.00	79046	15.46
02	PB162423BS	237762	11.36	114847	14.00	99135	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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/10/2024

Lab File ID: BF138901.D Time Analyzed: 10:41

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	63234	6.845	258541	8.13	146261	9.88
	UPPER LIMIT	126468	7.345	517082	8.628	292522	10.38
	LOWER LIMIT	31617	6.345	129271	7.628	73130.5	9.38
	EPA SAMPLE NO.						
01	MLS-15-70-85MS	35990	6.84	150436	8.12	82692	9.88
02	MLS-15-70-85MSD	34319	6.84	136930	8.12	78360	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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/10/2024

Lab File ID: BF138901.D Time Analyzed: 10:41

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	247933	11.369	115525	14.004	117822	15.468
	UPPER LIMIT	495866	11.869	231050	14.504	235644	15.968
	LOWER LIMIT	123967	10.869	57762.5	13.504	58911	14.968
	EPA SAMPLE NO.						
01	MLS-15-70-85MS	131267	11.36	65057	14.00	78552	15.46
02	MLS-15-70-85MSD	126223	11.36	61844	14.00	75440	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.

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138847.D	1	08/01/24 08:20	08/07/24 17:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.10	ug/L
100-52-7	Benzaldehyde	4.10	U	4.10	10.2	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.2	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.10	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	5.10	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.10	ug/L
86-73-7	Fluorene	0.98	U	0.98	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	5.10	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	5.10	ug/L
218-01-9	Chrysene	0.88	U	0.88	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L

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:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138847.D	1	08/01/24 08:20	08/07/24 17:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
90-12-0	1-Methylnaphthalene	0.88	U	0.88	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.5		15 (10) - 110 (139)	44%	SPK: 150
13127-88-3	Phenol-d6	39.2		15 (10) - 110 (134)	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.2		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		15 (32) - 110 (145)	98%	SPK: 150
1718-51-0	Terphenyl-d14	108		30 (36) - 130 (145)	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	42800	6.84			
1146-65-2	Naphthalene-d8	180000	8.122			
15067-26-2	Acenaphthene-d10	99200	9.869			
1517-22-2	Phenanthrene-d10	164000	11.357			
1719-03-5	Chrysene-d12	80800	13.998			
1520-96-3	Perylene-d12	84700	15.457			

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138847.D
Acq On : 07 Aug 2024 17:36
Operator : RC/JU
Sample : P3429-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Quant Time: Aug 07 18:21:07 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

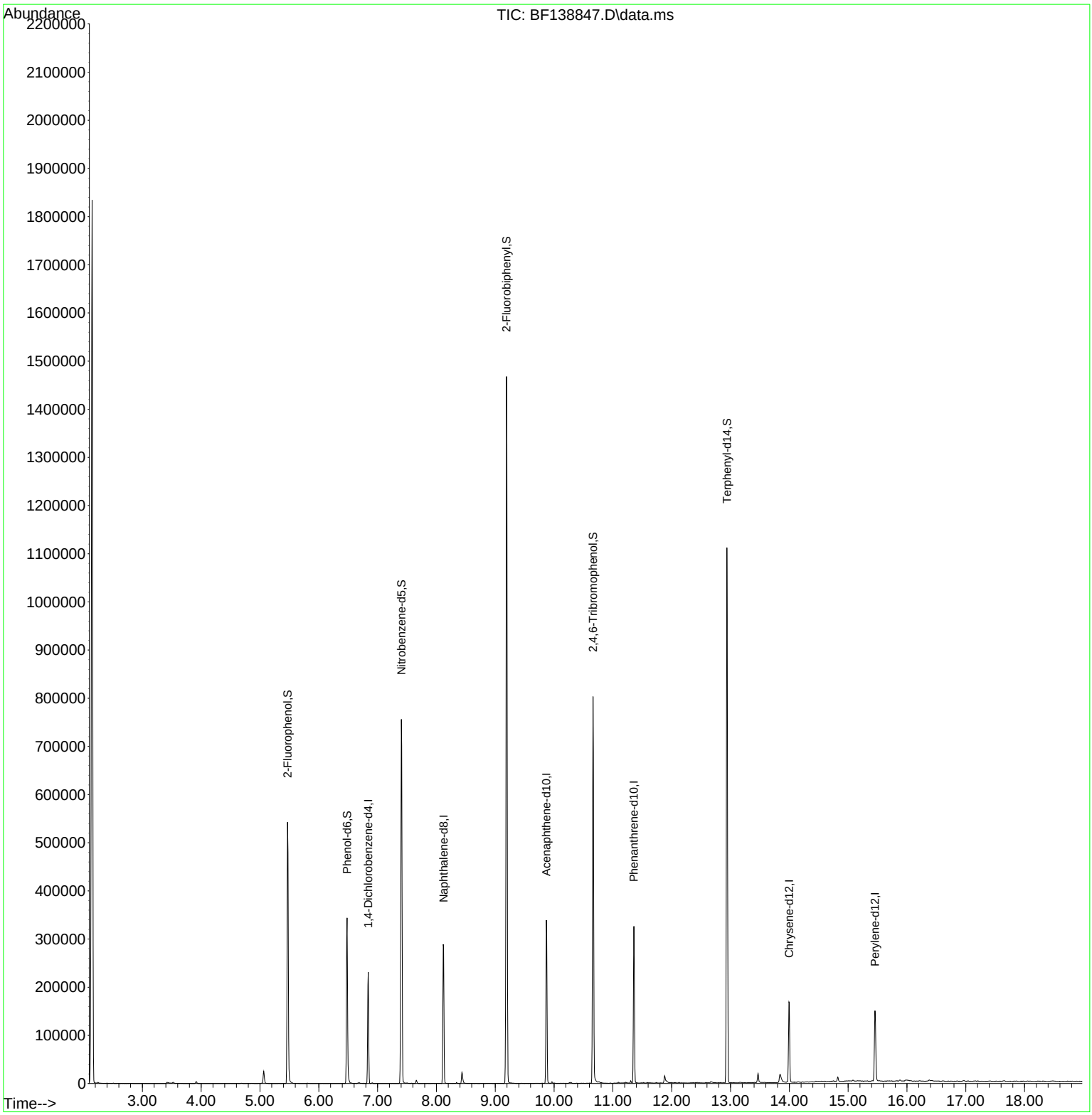
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	42757	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	180039	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	99192	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	163767	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	80836	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	84652	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	181343	65.470	ng	0.00
7) Phenol-d6	6.481	99	145945	39.245	ng	0.00
23) Nitrobenzene-d5	7.404	82	343231	93.208	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	119492	147.064	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	634862	96.165	ng	-0.01
79) Terphenyl-d14	12.939	244	523175	108.360	ng	0.00
Target Compounds						Qvalue

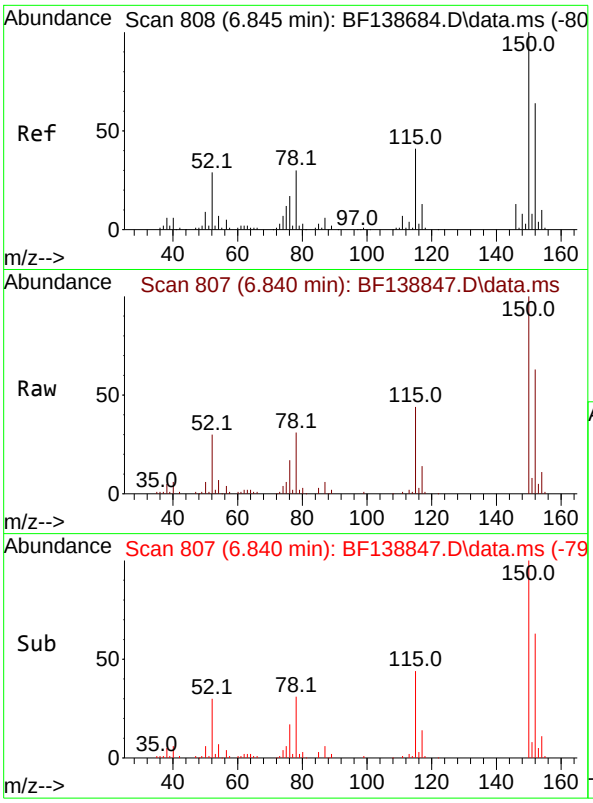
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138847.D
Acq On : 07 Aug 2024 17:36
Operator : RC/JU
Sample : P3429-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Quant Time: Aug 07 18:21:07 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



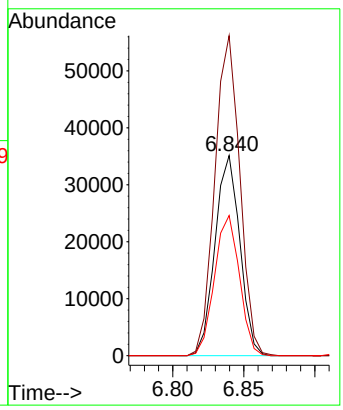


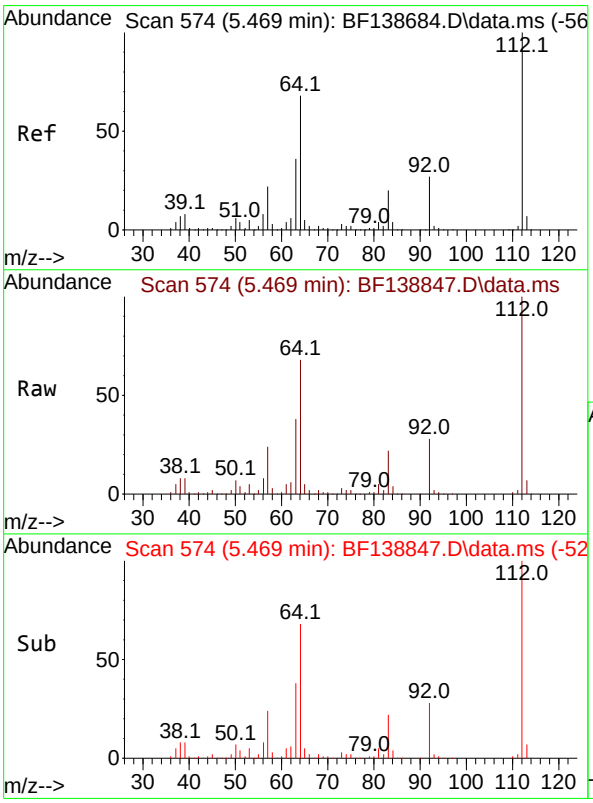
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Tgt Ion:152 Resp: 42757

Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.0	189.0
115	70.0	51.7	77.5

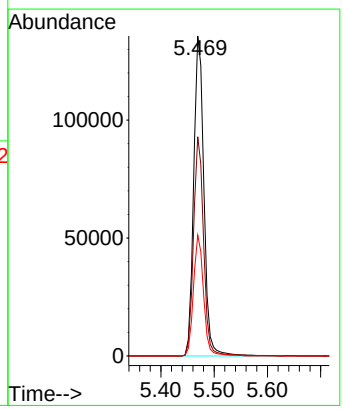


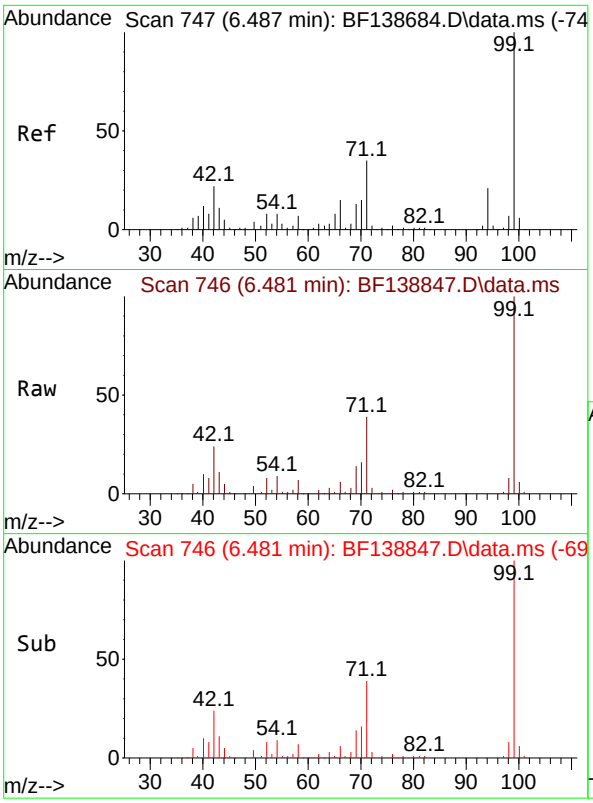


#5
2-Fluorophenol
Concen: 65.470 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion:112 Resp: 181343

Ion	Ratio	Lower	Upper
112	100		
64	68.5	54.2	81.4
63	37.8	28.7	43.1



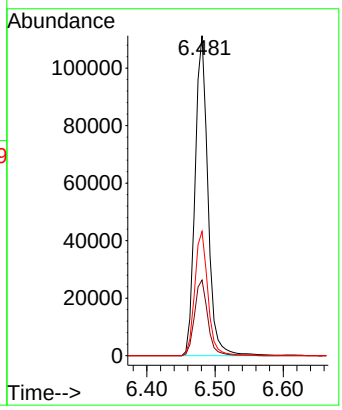


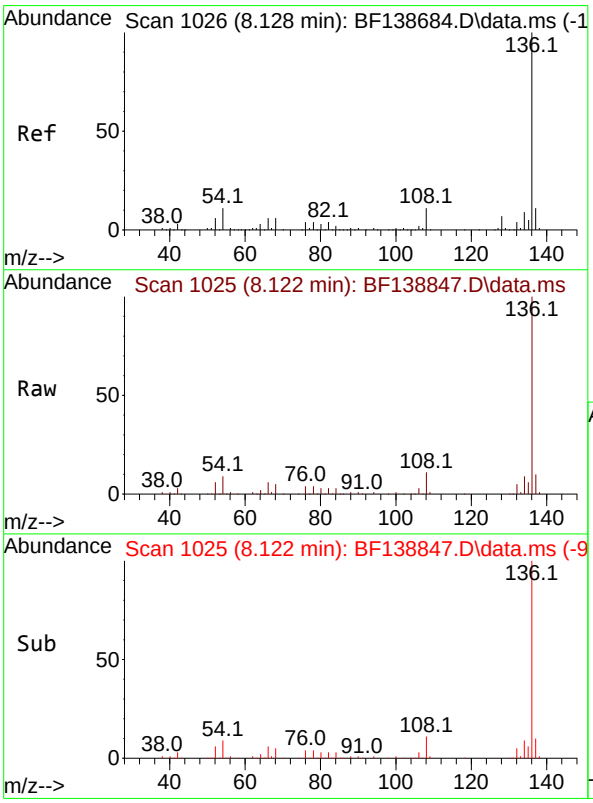
#7
Phenol-d6
Concen: 39.245 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Tgt Ion: 99 Resp: 145945

Ion	Ratio	Lower	Upper
99	100		
42	23.6	17.4	26.0
71	38.9	28.1	42.1

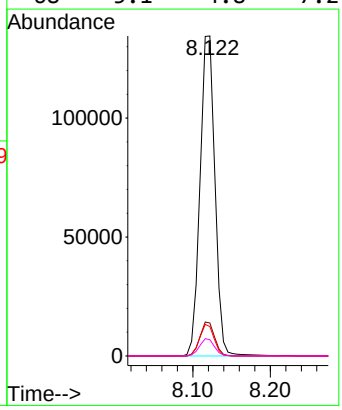


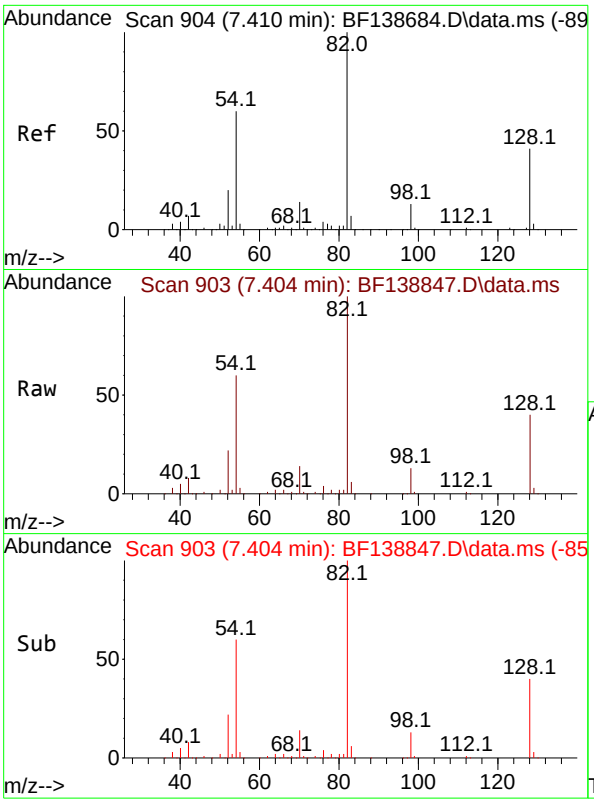


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion:136 Resp: 180039

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	9.2	8.6	12.8
68	5.1	4.8	7.2



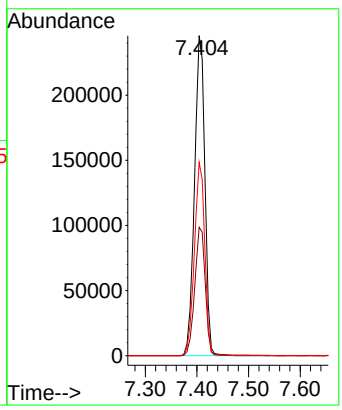


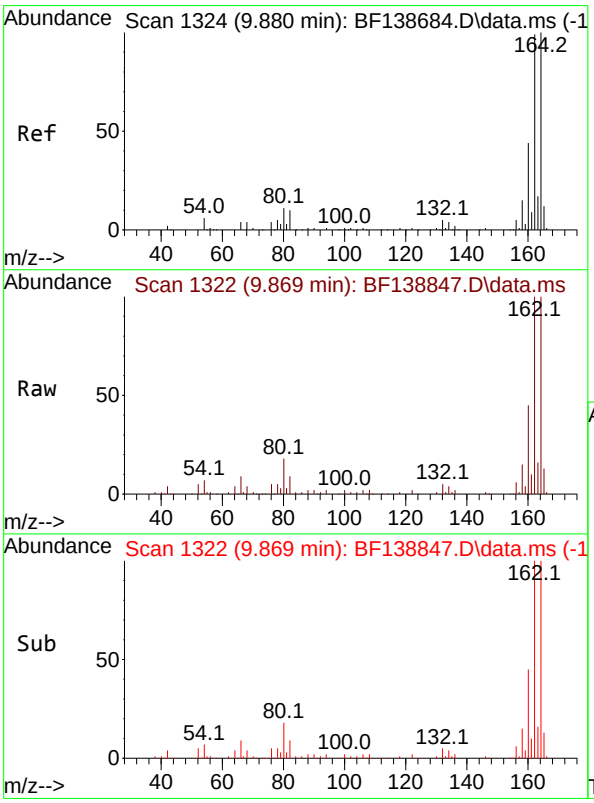
#23
Nitrobenzene-d5
Concen: 93.208 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Tgt Ion: 82 Resp: 343231

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.8	49.2
54	60.4	48.3	72.5

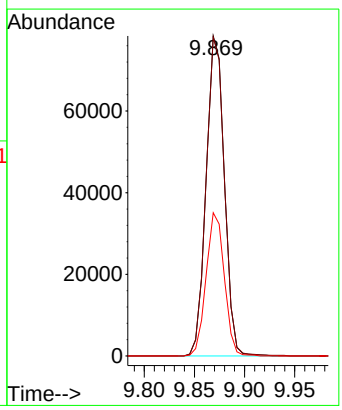


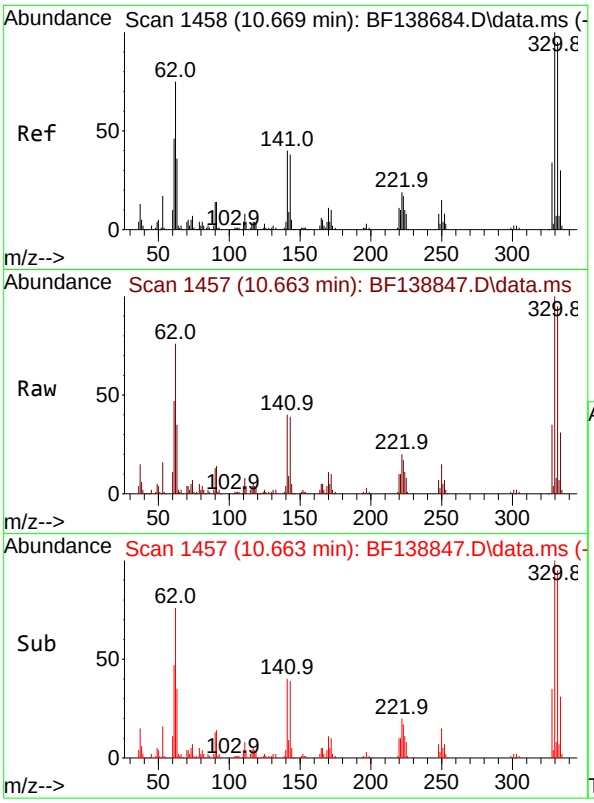


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion:164 Resp: 99192

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.4	119.0
160	44.8	35.1	52.7



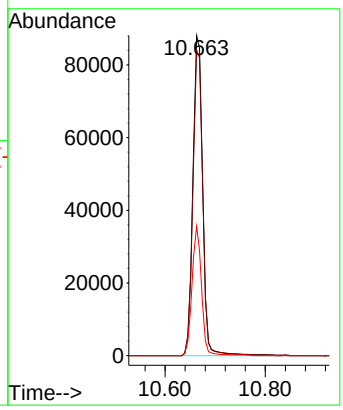


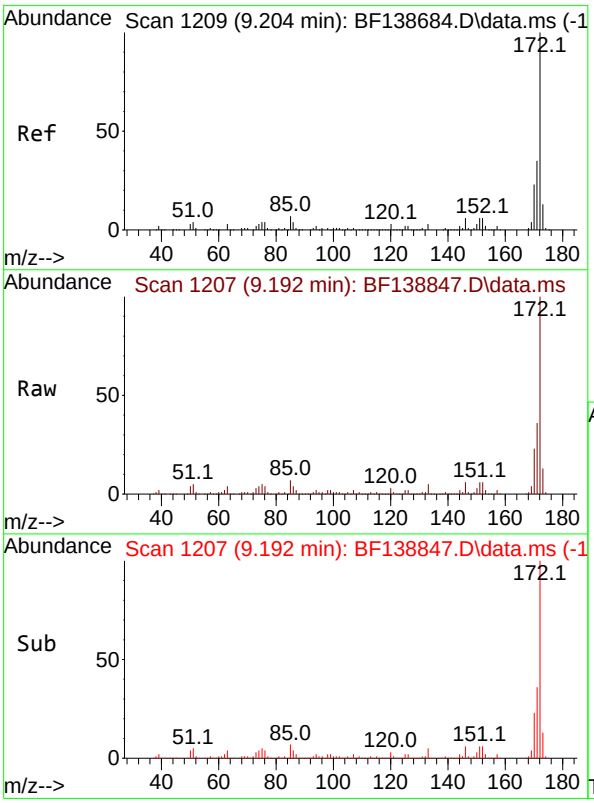
#42
2,4,6-Tribromophenol
Concen: 147.064 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Tgt Ion:330 Resp: 119492

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.4	114.6
141	39.5	31.1	46.7

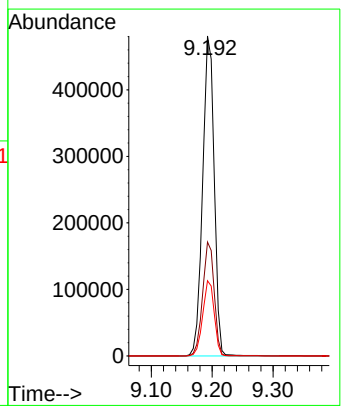


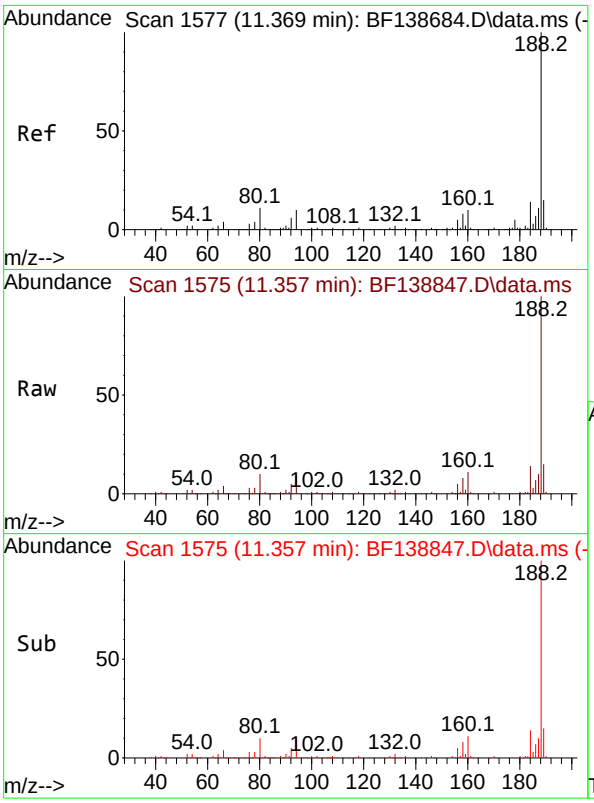


#45
2-Fluorobiphenyl
Concen: 96.165 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion:172 Resp: 634862

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.5	18.8	28.2



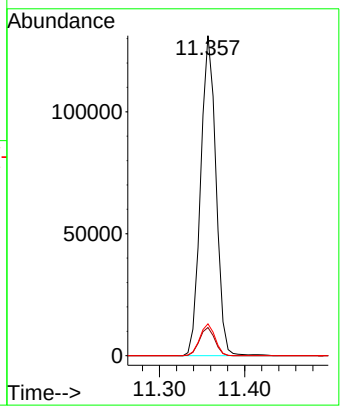


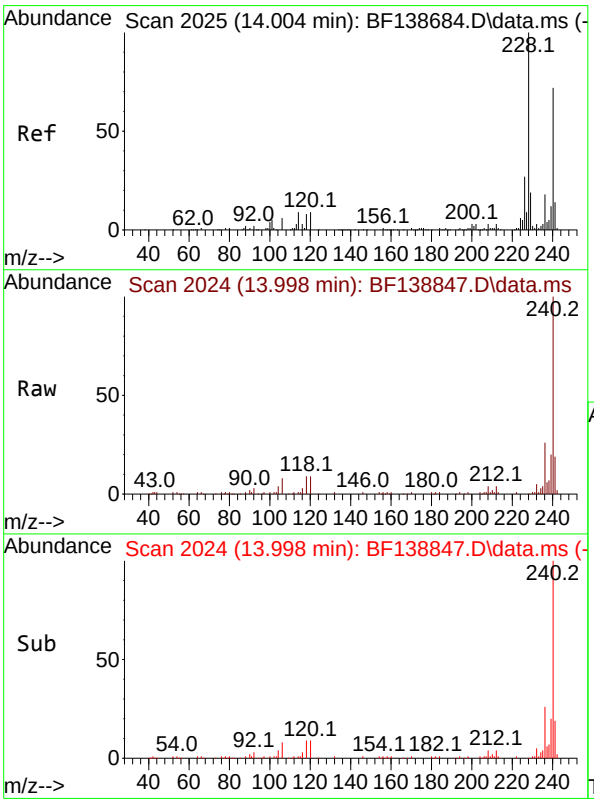
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Tgt Ion:188 Resp: 163767

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	9.9	8.6	12.8

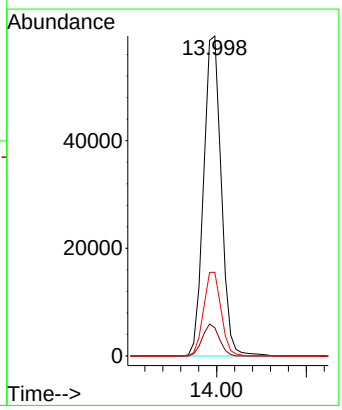


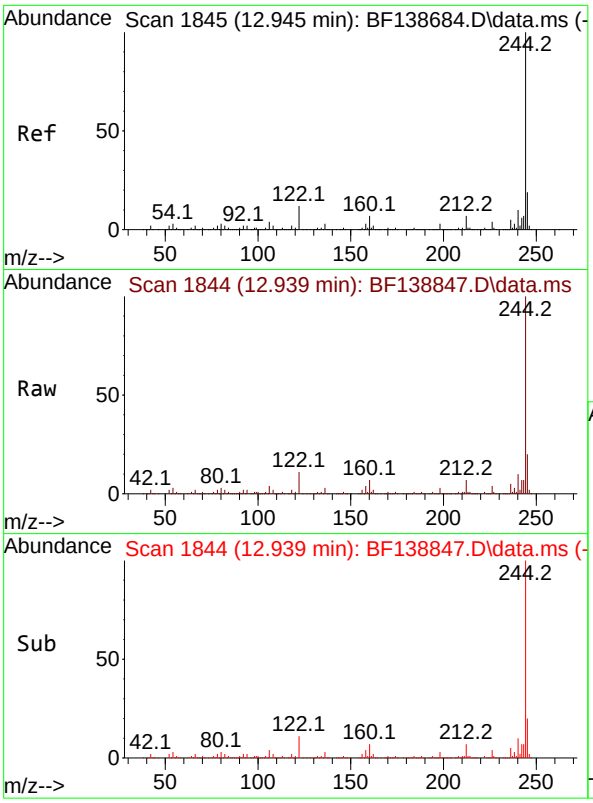


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion:240 Resp: 80836

Ion	Ratio	Lower	Upper
240	100		
120	8.8	10.2	15.4#
236	26.2	19.8	29.8



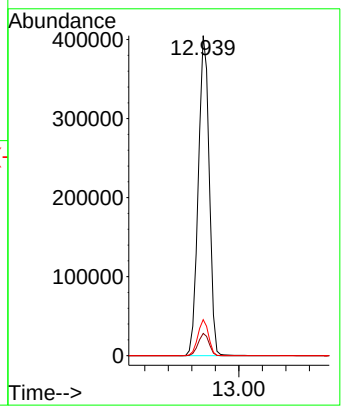


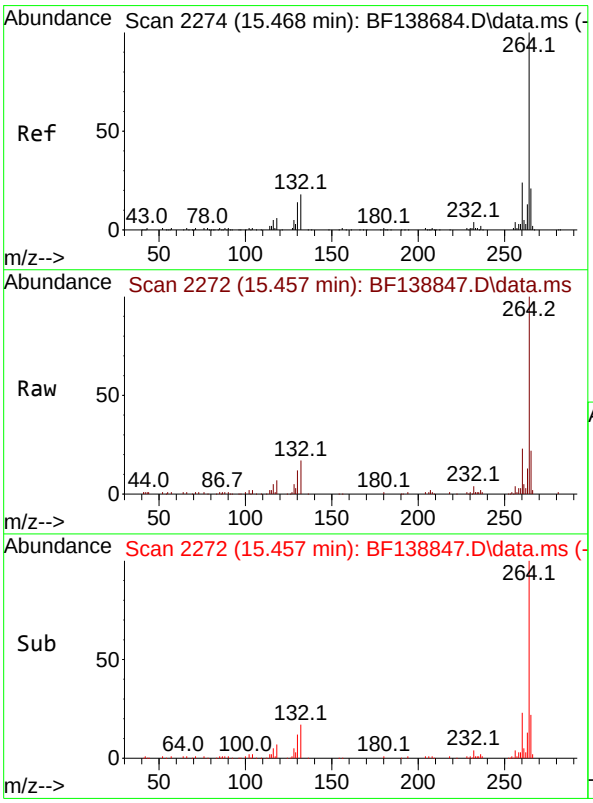
#79
Terphenyl-d14
Concen: 108.360 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Tgt Ion:244 Resp: 523175

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.3	9.6	14.4

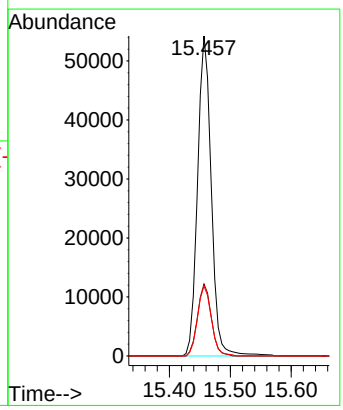




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion:264 Resp: 84652

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.0	28.6
265	21.8	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:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138848.D	1	08/01/24 08:20	08/07/24 18:06	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.10	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.1	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.1	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.10	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.90	U	0.90	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	5.10	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.10	ug/L
86-73-7	Fluorene	0.97	U	0.97	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.1	ug/L
85-01-8	Phenanthrene	0.90	U	0.90	5.10	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	5.10	ug/L
218-01-9	Chrysene	0.87	U	0.87	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L

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:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138848.D	1	08/01/24 08:20	08/07/24 18:06	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	58.9		15 (10) - 110 (139)	39%	SPK: 150
13127-88-3	Phenol-d6	36.0		15 (10) - 110 (134)	24%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		30 (49) - 130 (133)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.0		30 (52) - 130 (132)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		15 (32) - 110 (145)	91%	SPK: 150
1718-51-0	Terphenyl-d14	91.7		30 (36) - 130 (145)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45600	6.84			
1146-65-2	Naphthalene-d8	185000	8.122			
15067-26-2	Acenaphthene-d10	102000	9.869			
1517-22-2	Phenanthrene-d10	162000	11.357			
1719-03-5	Chrysene-d12	78700	13.998			
1520-96-3	Perylene-d12	84500	15.457			

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138848.D
Acq On : 07 Aug 2024 18:06
Operator : RC/JU
Sample : P3429-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Quant Time: Aug 07 18:42:35 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

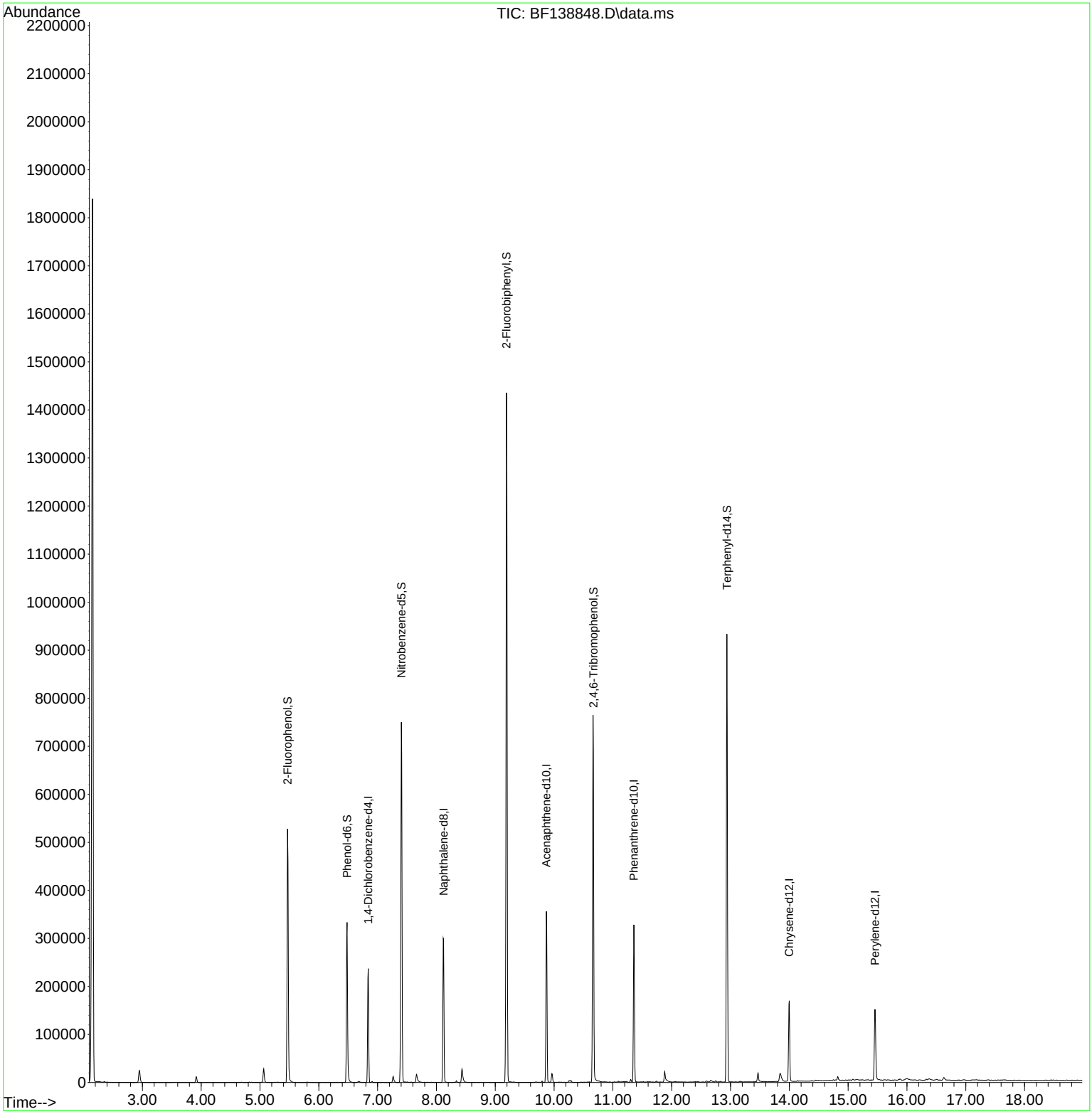
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45617	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	185150	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	102137	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	162112	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	78712	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	84478	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	174032	58.891	ng	0.00
7) Phenol-d6	6.481	99	142896	36.016	ng	0.00
23) Nitrobenzene-d5	7.404	82	337445	89.107	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	114217	136.519	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	618477	90.982	ng	-0.01
79) Terphenyl-d14	12.939	244	430953	91.667	ng	0.00
Target Compounds						Qvalue

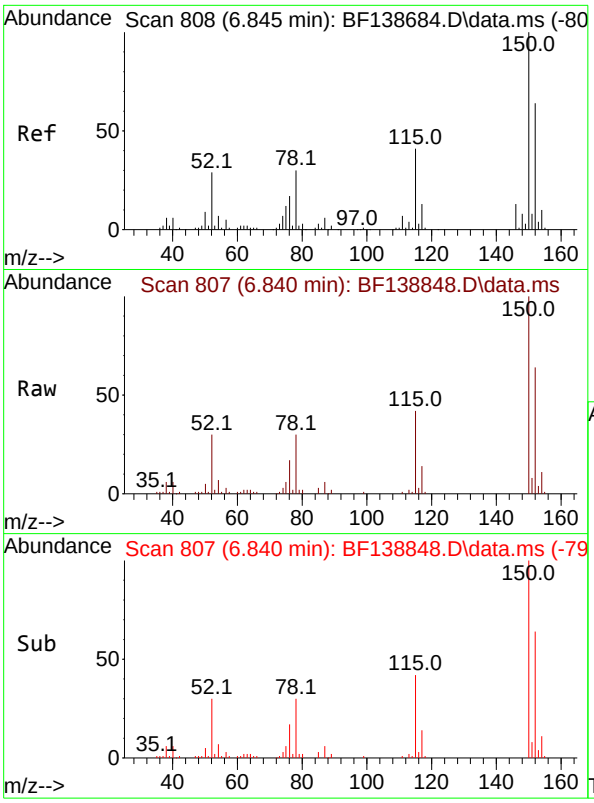
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138848.D
Acq On : 07 Aug 2024 18:06
Operator : RC/JU
Sample : P3429-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Quant Time: Aug 07 18:42:35 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



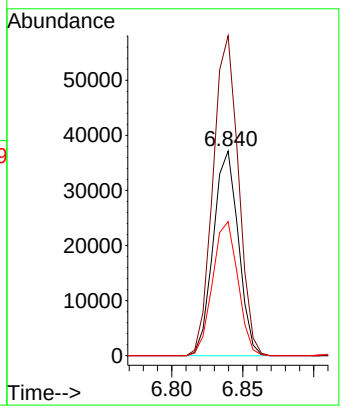


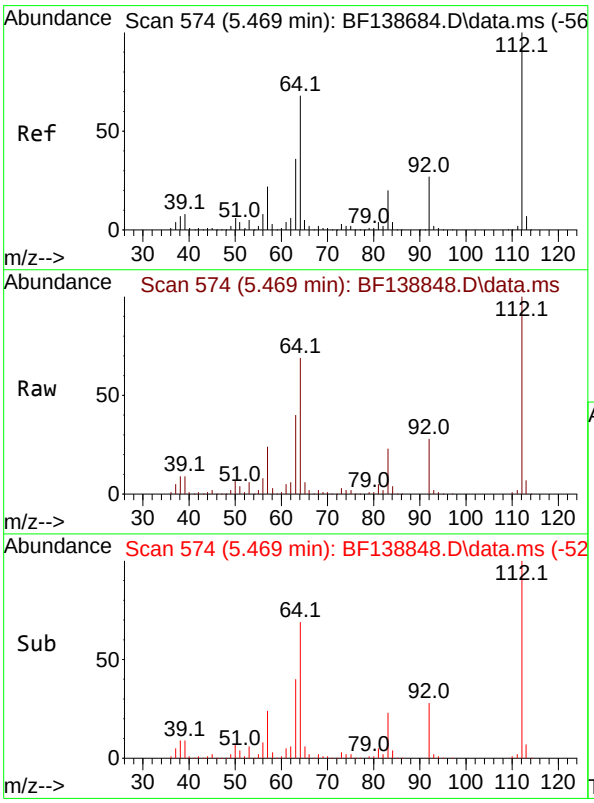
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Tgt Ion:152 Resp: 45617

Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.0	189.0
115	65.5	51.7	77.5

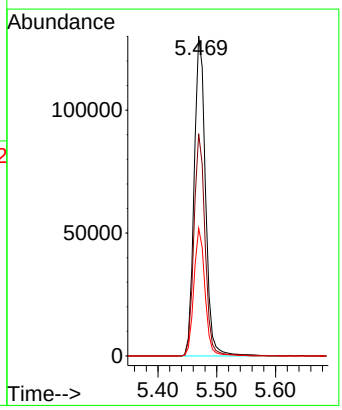


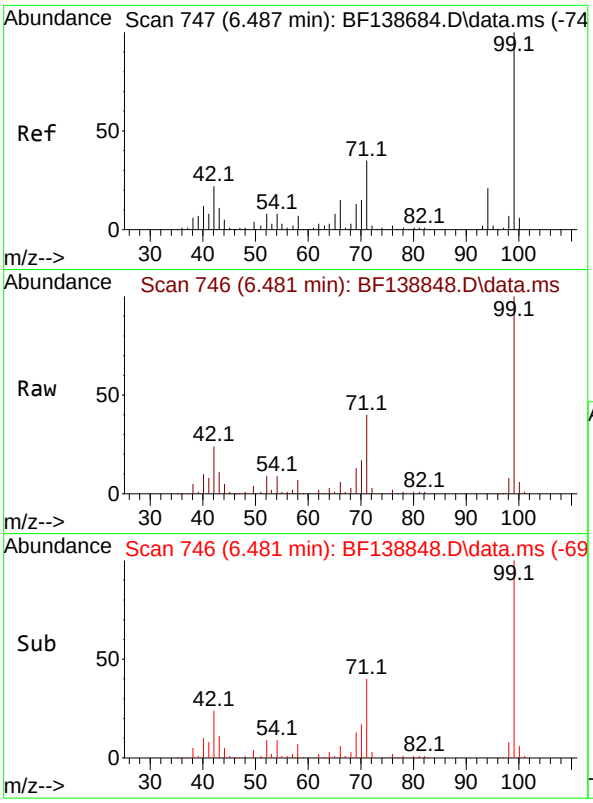


#5
2-Fluorophenol
Concen: 58.891 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion:112 Resp: 174032

Ion	Ratio	Lower	Upper
112	100		
64	69.5	54.2	81.4
63	39.9	28.7	43.1



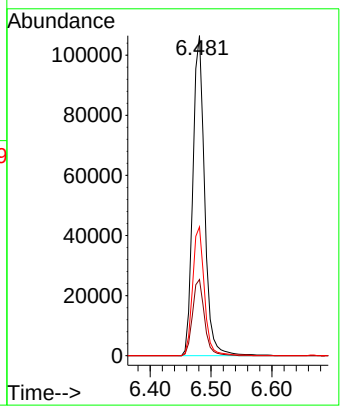


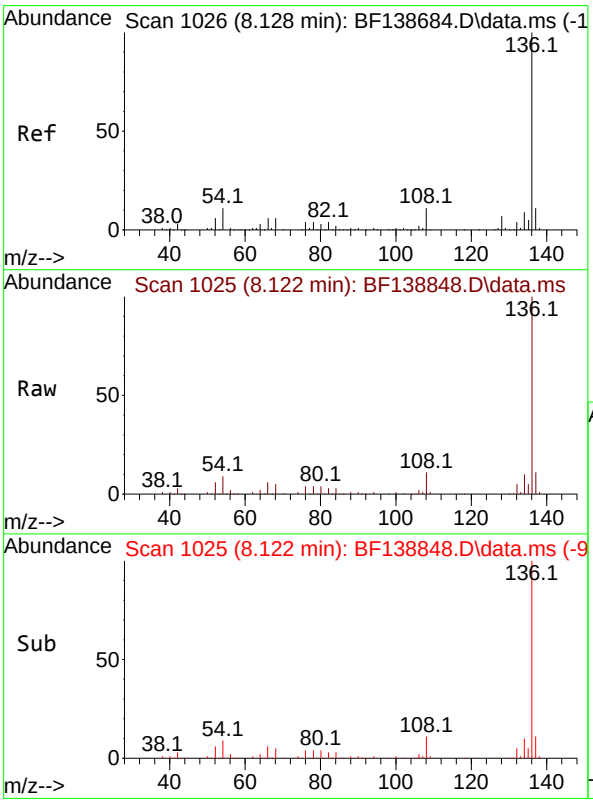
#7
Phenol-d6
Concen: 36.016 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Tgt Ion: 99 Resp: 142896

Ion	Ratio	Lower	Upper
99	100		
42	23.8	17.4	26.0
71	40.3	28.1	42.1

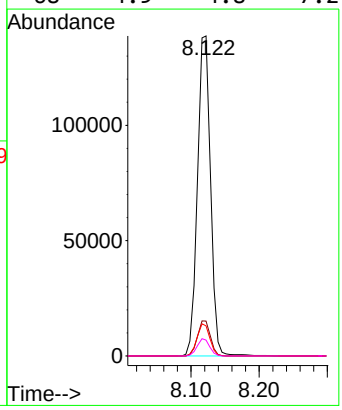


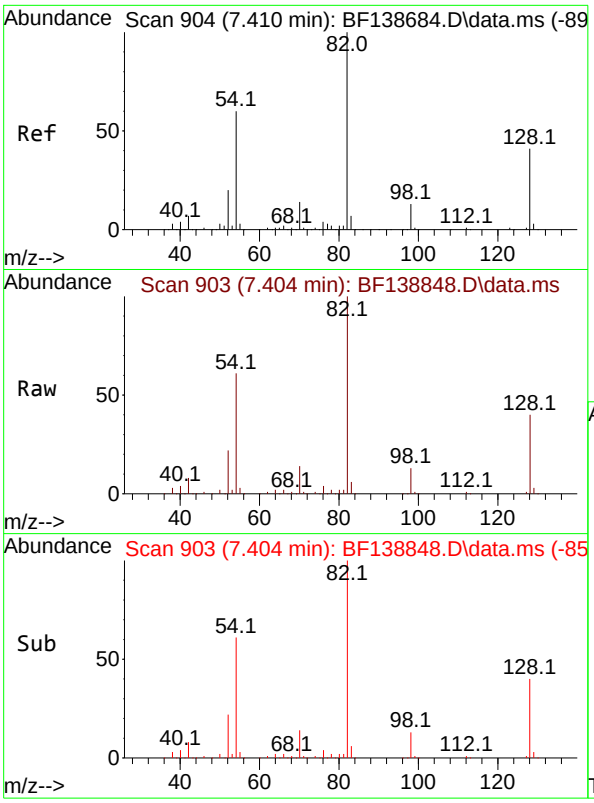


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion:136 Resp: 185150

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	8.6	12.8
68	4.9	4.8	7.2



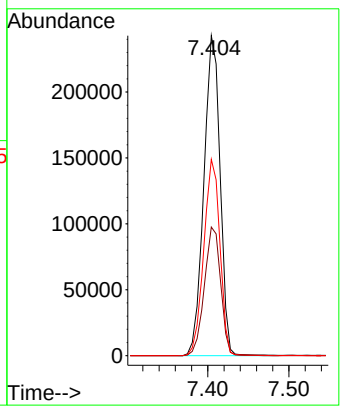


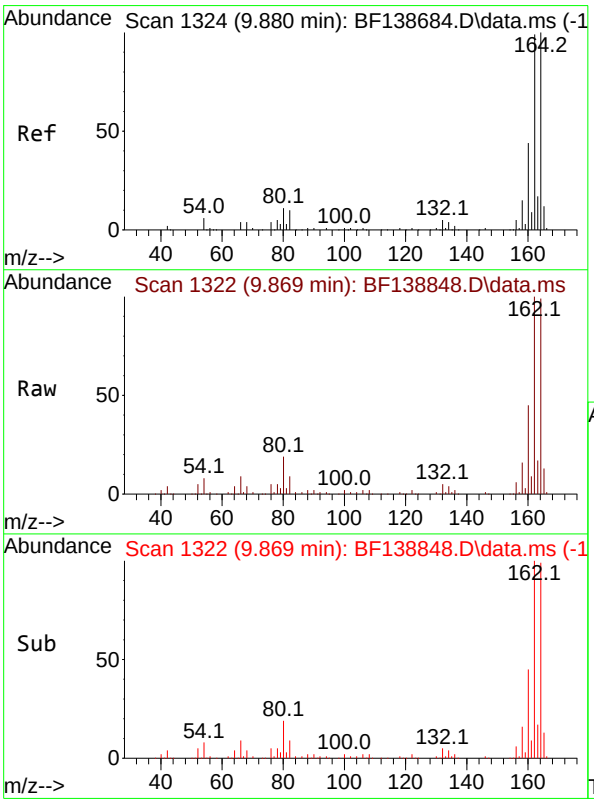
#23
Nitrobenzene-d5
Concen: 89.107 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Tgt Ion: 82 Resp: 337445

Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.8	49.2
54	61.3	48.3	72.5

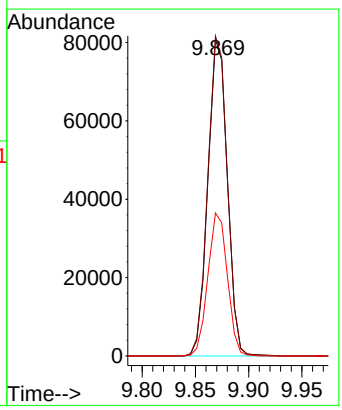


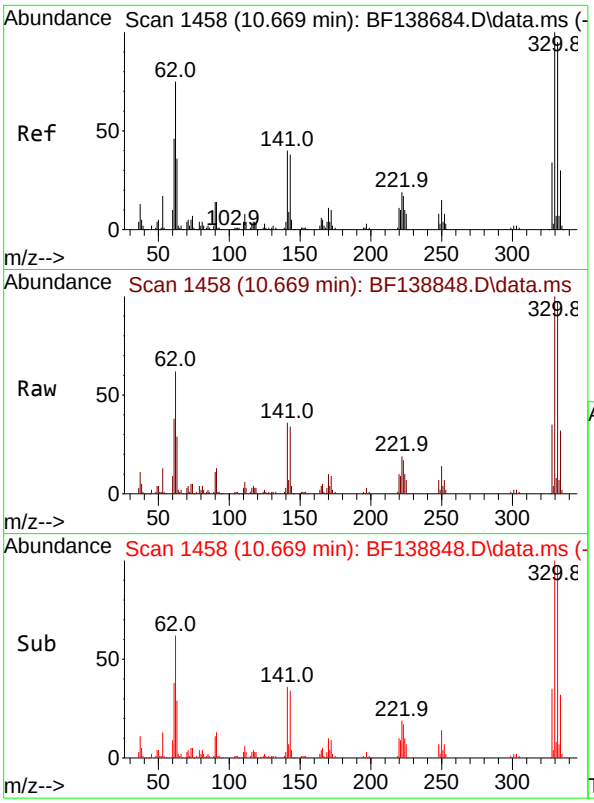


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion:164 Resp: 102137

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.4	119.0
160	45.2	35.1	52.7



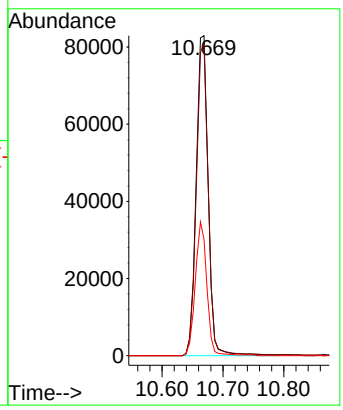


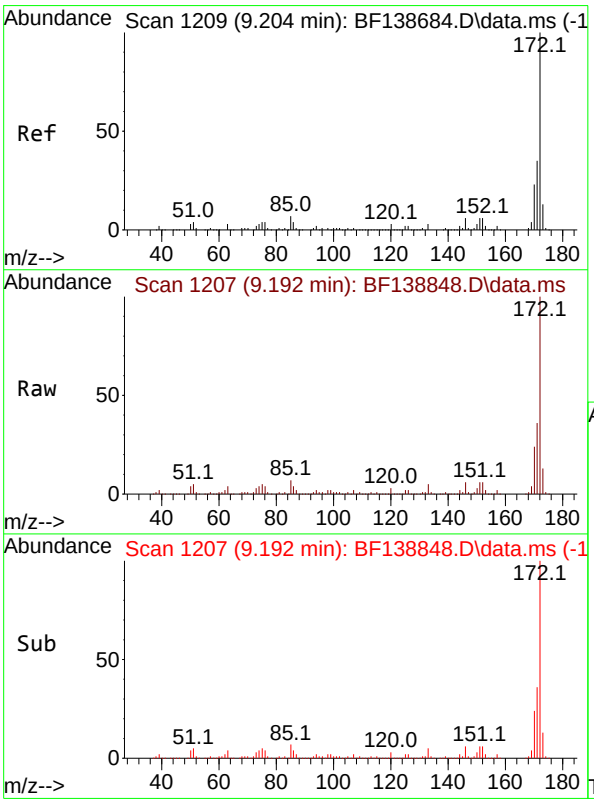
#42
2,4,6-Tribromophenol
Concen: 136.519 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Tgt Ion:330 Resp: 114217

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.4	114.6
141	40.2	31.1	46.7

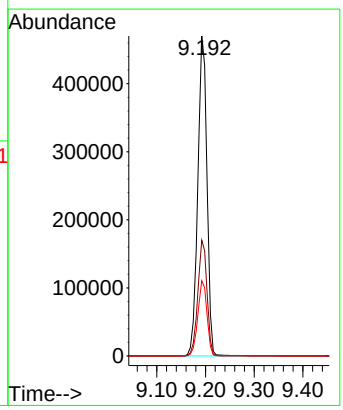


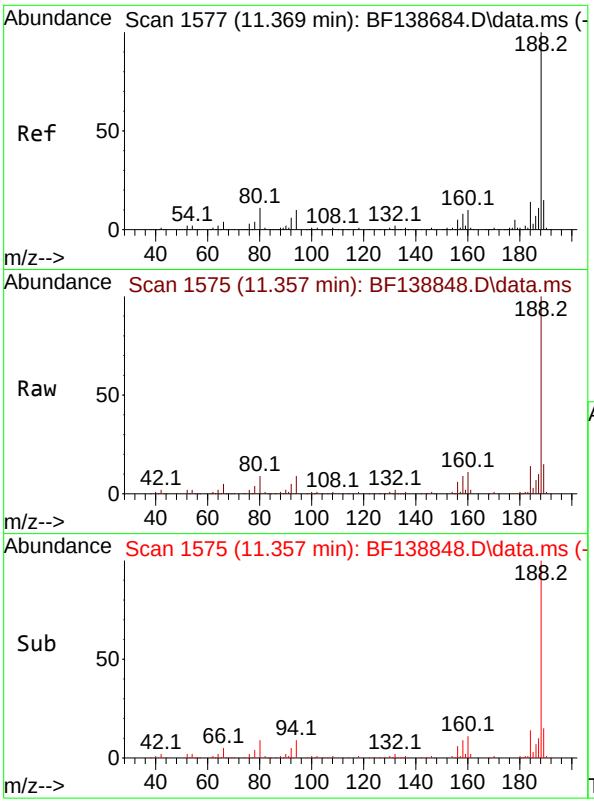


#45
2-Fluorobiphenyl
Concen: 90.982 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion:172 Resp: 618477

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.3	42.5
170	23.5	18.8	28.2



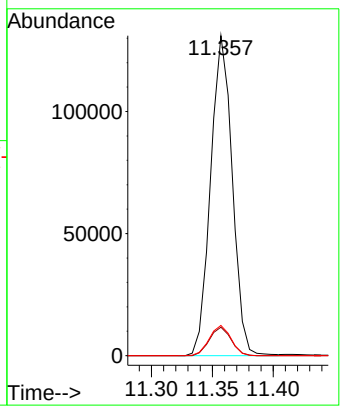


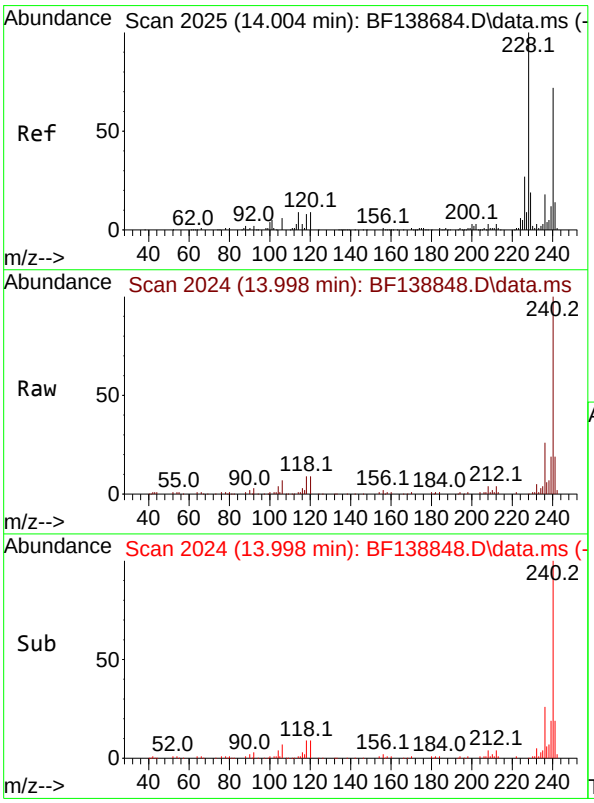
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Tgt Ion:188 Resp: 162112

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

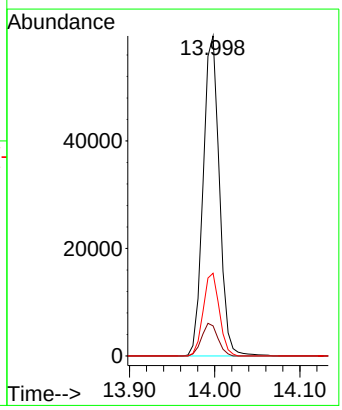


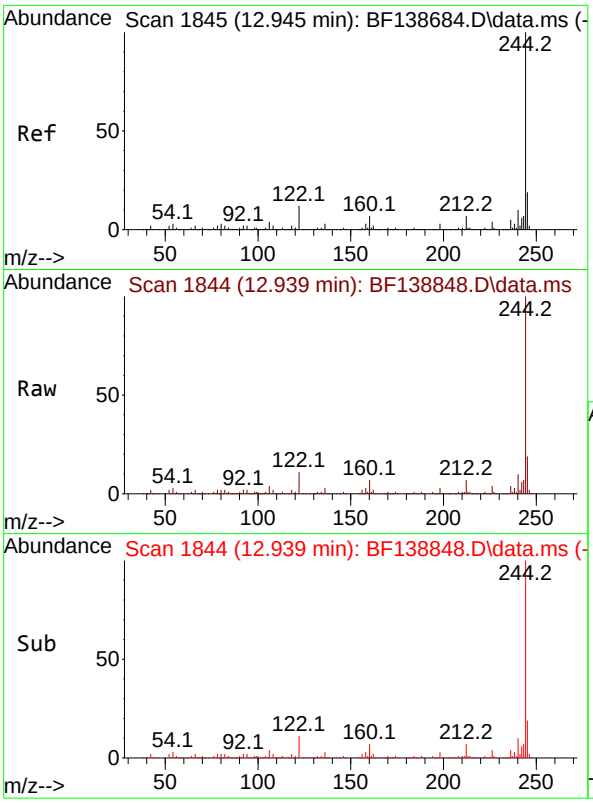


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion:240 Resp: 78712

Ion	Ratio	Lower	Upper
240	100		
120	9.4	10.2	15.4#
236	25.9	19.8	29.8



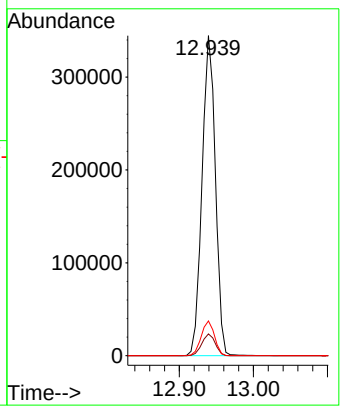


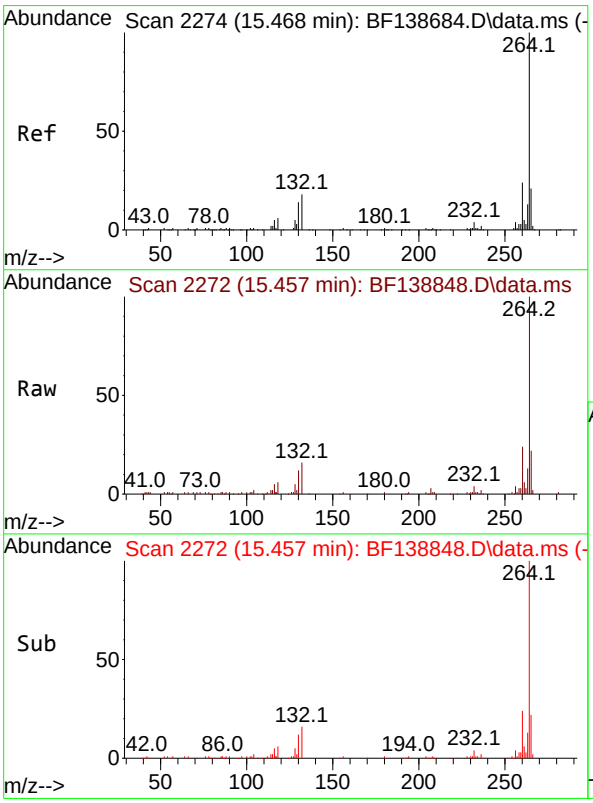
#79
Terphenyl-d14
Concen: 91.667 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Tgt Ion:244 Resp: 430953

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.9	9.6	14.4

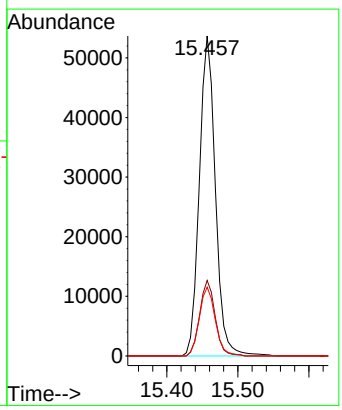




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion:264 Resp: 84478

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.5	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:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138849.D	1	08/01/24 08:20	08/07/24 18:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.4	ug/L
67-72-1	Hexachloroethane	1.10	U	1.10	5.20	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.20	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	5.20	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	5.20	ug/L
218-01-9	Chrysene	0.90	U	0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L

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:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138849.D	1	08/01/24 08:20	08/07/24 18:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	0.90	U	0.90	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	64.5		15 (10) - 110 (139)	43%	SPK: 150
13127-88-3	Phenol-d6	38.1		15 (10) - 110 (134)	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		30 (52) - 130 (132)	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		15 (32) - 110 (145)	108%	SPK: 150
1718-51-0	Terphenyl-d14	111		30 (36) - 130 (145)	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41200	6.84			
1146-65-2	Naphthalene-d8	167000	8.122			
15067-26-2	Acenaphthene-d10	91000	9.869			
1517-22-2	Phenanthrene-d10	146000	11.357			
1719-03-5	Chrysene-d12	69900	13.992			
1520-96-3	Perylene-d12	75500	15.457			

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138849.D
Acq On : 07 Aug 2024 18:36
Operator : RC/JU
Sample : P3429-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Quant Time: Aug 08 01:20:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

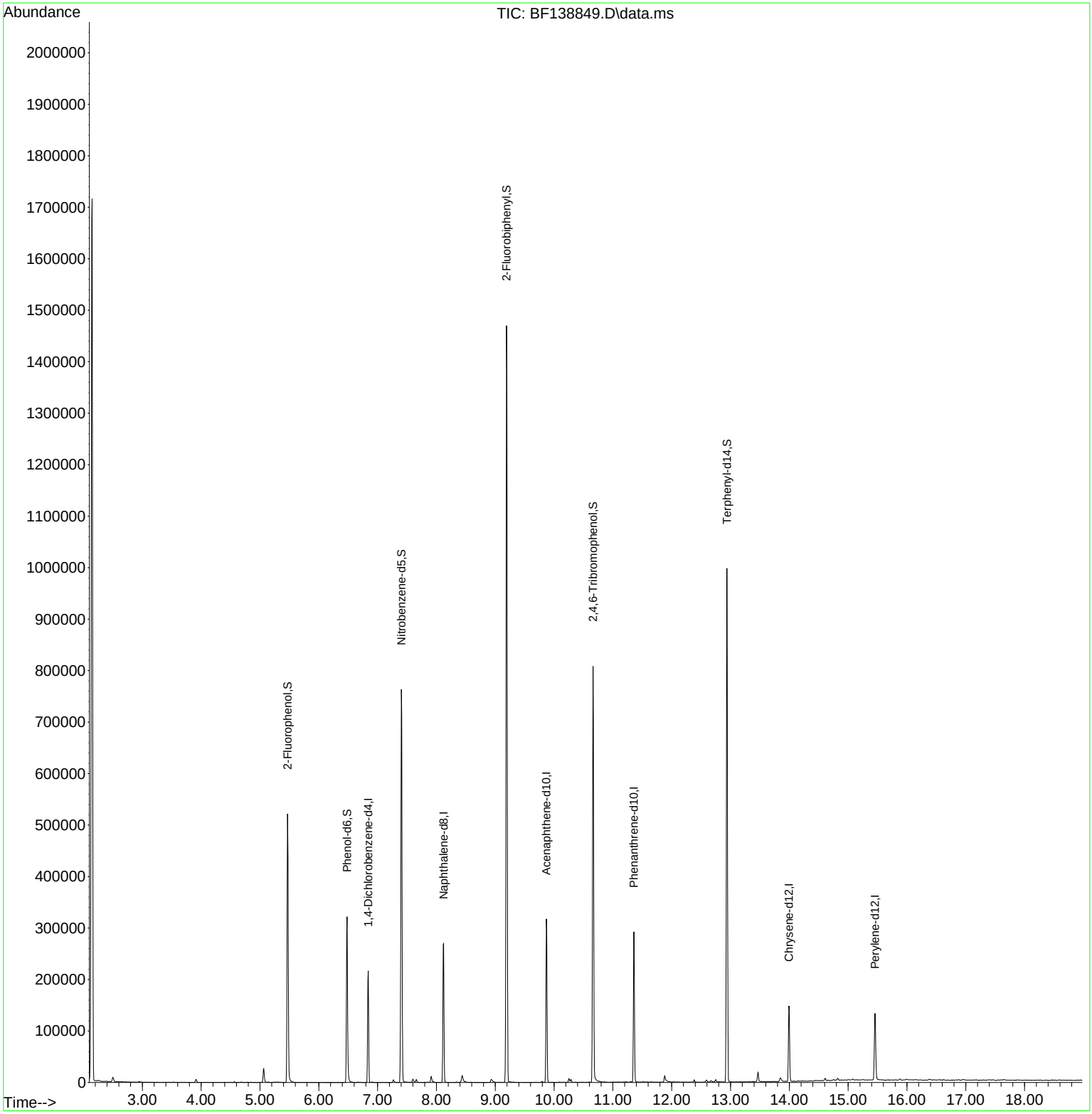
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	41178	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	167219	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	91023	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	146465	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	69873	20.000	ng	-0.01
86) Perylene-d12	15.457	264	75535	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	171951	64.460	ng	0.00
7) Phenol-d6	6.481	99	136623	38.147	ng	0.00
23) Nitrobenzene-d5	7.404	82	341042	99.714	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	120735	161.930	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	634292	104.701	ng	-0.01
79) Terphenyl-d14	12.939	244	463000	110.942	ng	0.00
Target Compounds						Qvalue

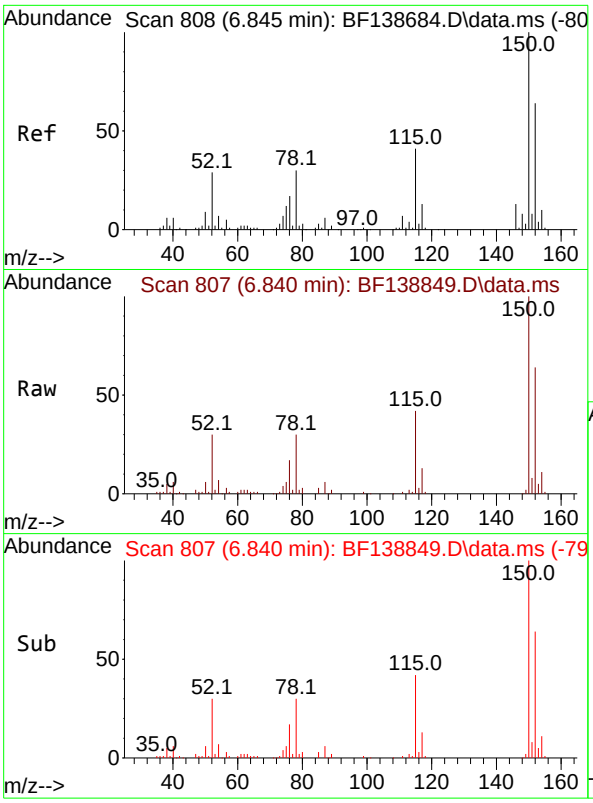
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138849.D
Acq On : 07 Aug 2024 18:36
Operator : RC/JU
Sample : P3429-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Quant Time: Aug 08 01:20:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



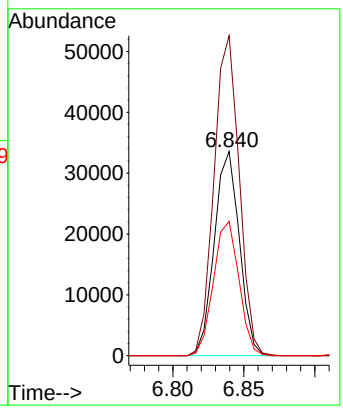


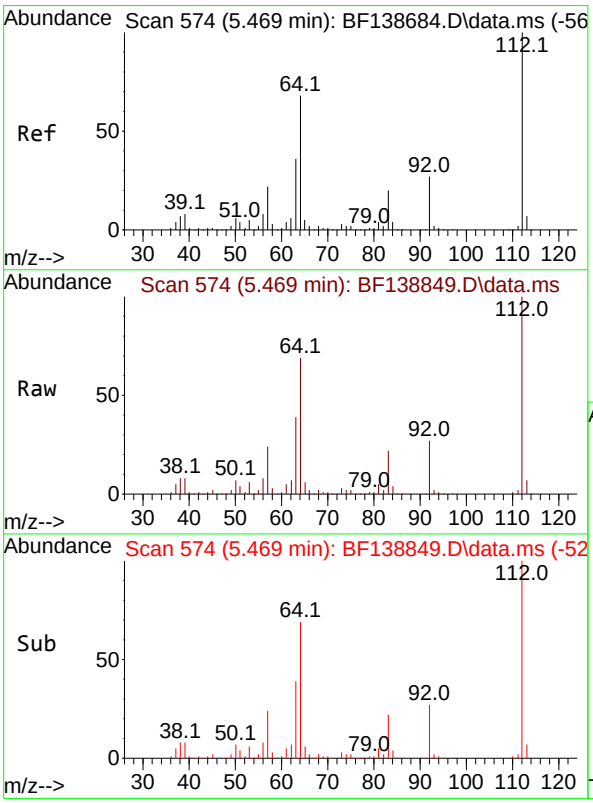
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Tgt Ion:152 Resp: 41178

Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.0	189.0
115	65.7	51.7	77.5

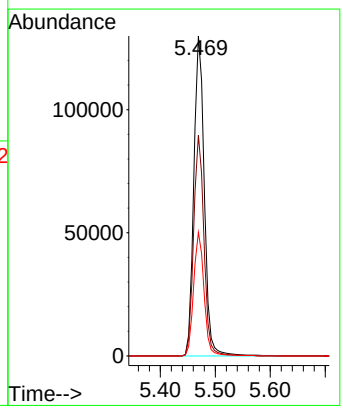


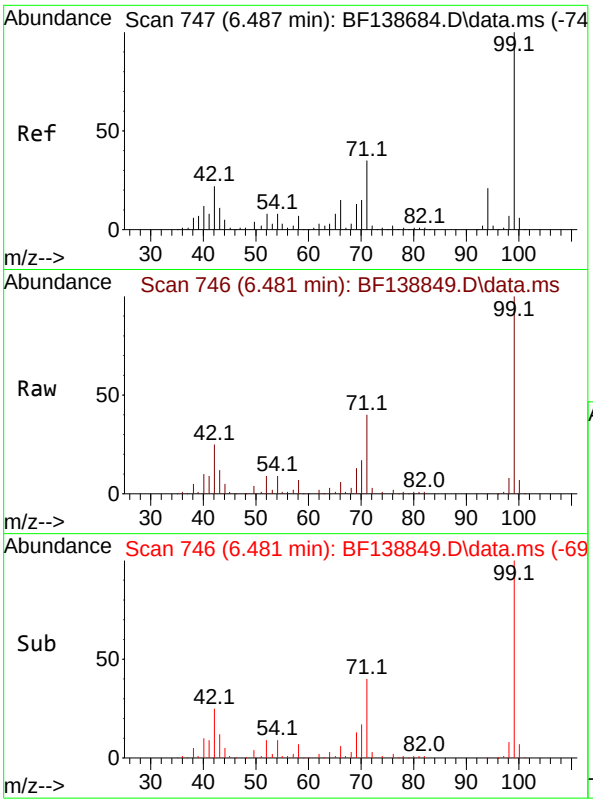


#5
2-Fluorophenol
Concen: 64.460 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:112 Resp: 171951

Ion	Ratio	Lower	Upper
112	100		
64	69.0	54.2	81.4
63	38.7	28.7	43.1



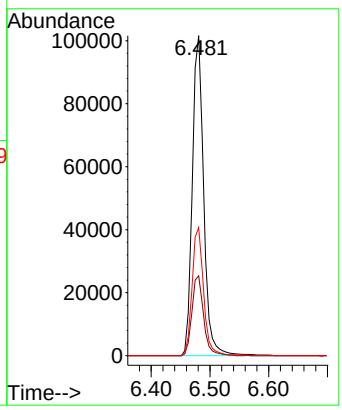


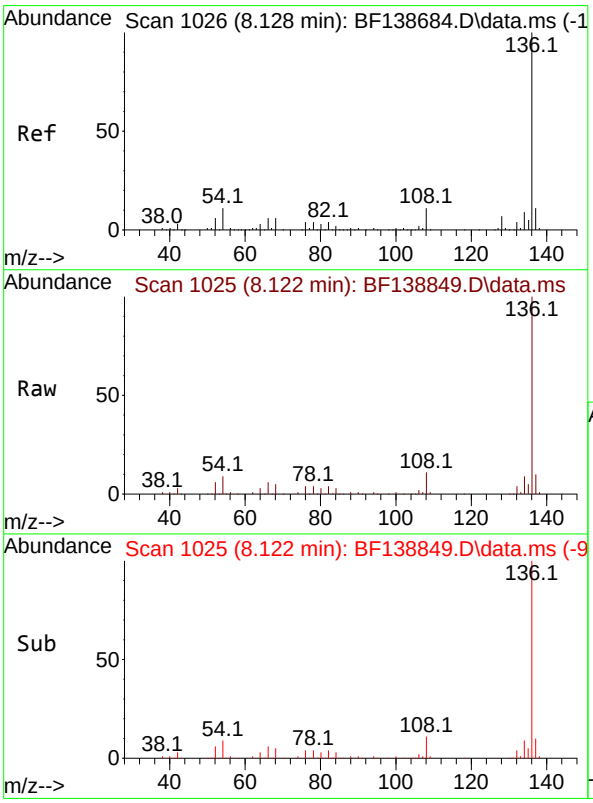
#7
Phenol-d6
Concen: 38.147 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Tgt Ion: 99 Resp: 136623

Ion	Ratio	Lower	Upper
99	100		
42	25.0	17.4	26.0
71	40.0	28.1	42.1

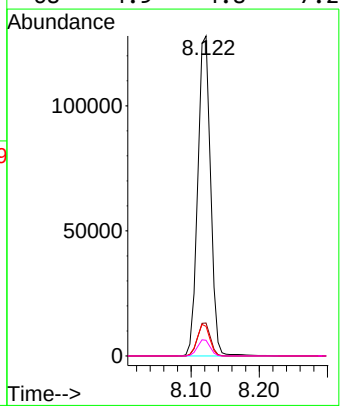


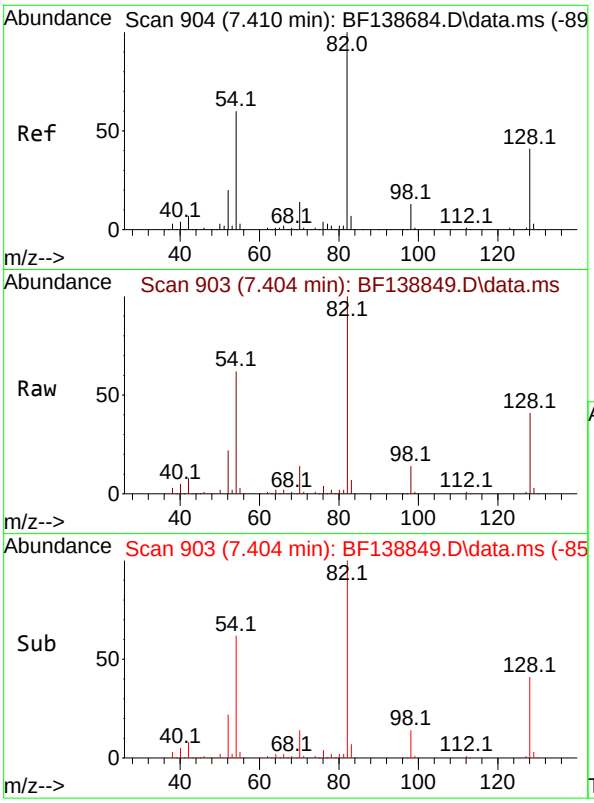


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:136 Resp: 167219

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	9.3	8.6	12.8
68	4.9	4.8	7.2



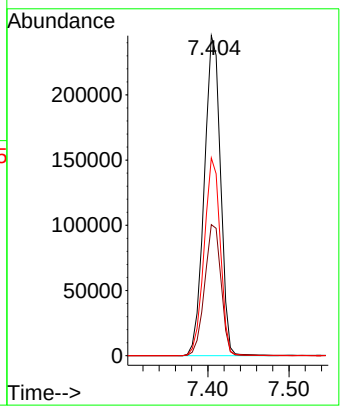


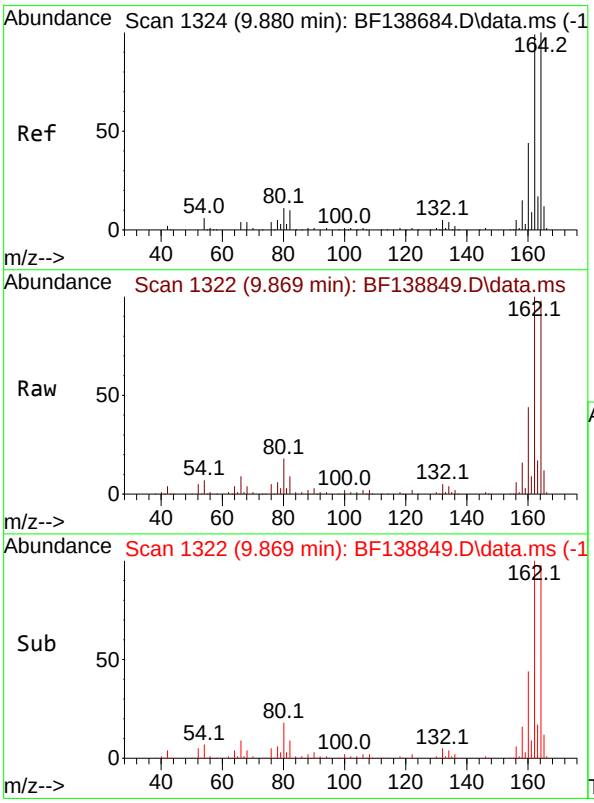
#23
Nitrobenzene-d5
Concen: 99.714 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Tgt Ion: 82 Resp: 341042

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.8	49.2
54	61.8	48.3	72.5

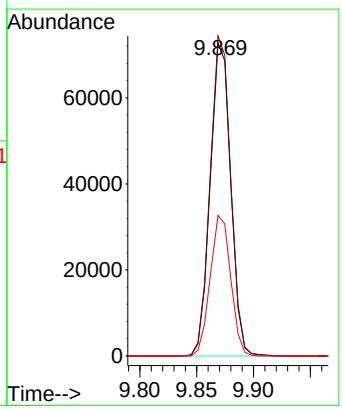


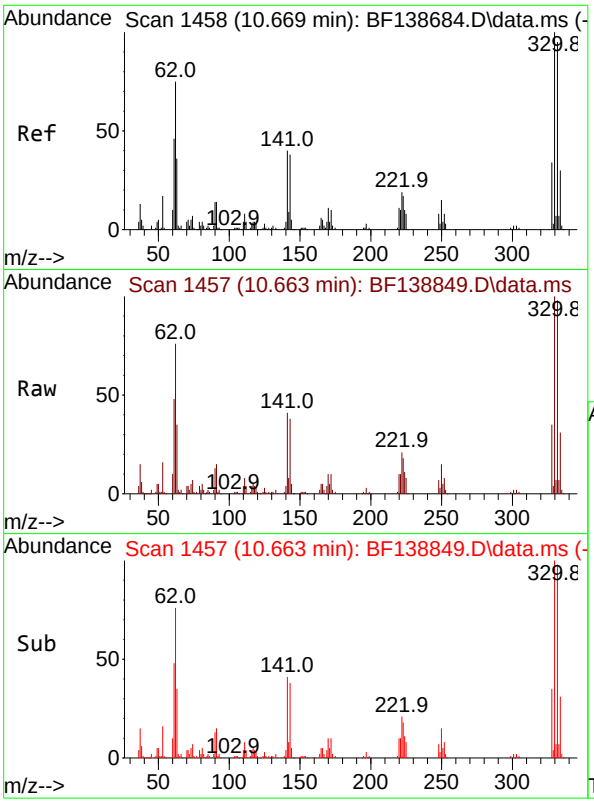


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:164 Resp: 91023

Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.4	119.0
160	44.9	35.1	52.7



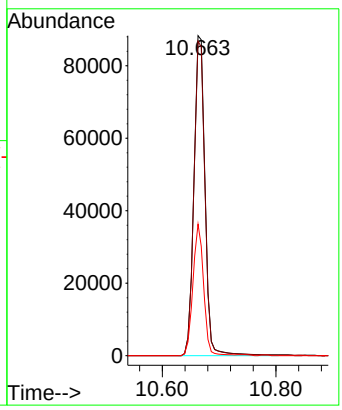


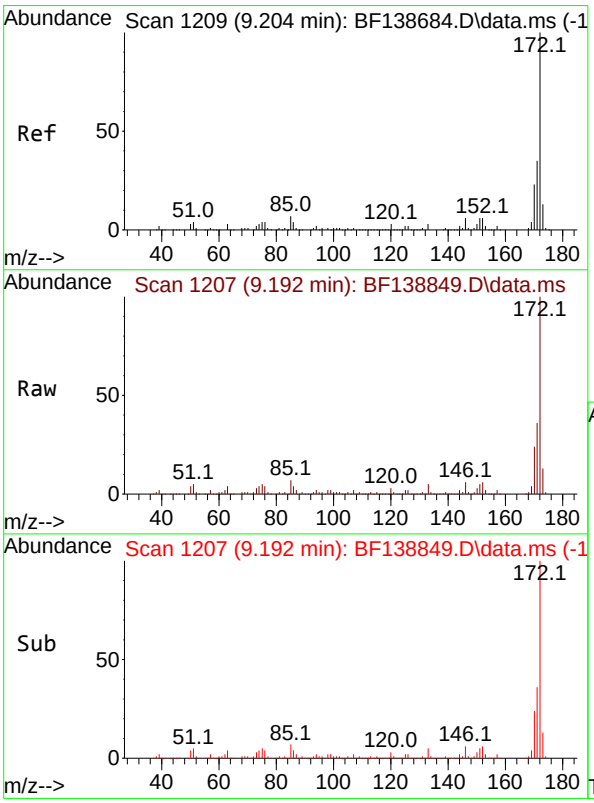
#42
2,4,6-Tribromophenol
Concen: 161.930 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Tgt Ion:330 Resp: 120735

Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.4	114.6
141	39.4	31.1	46.7

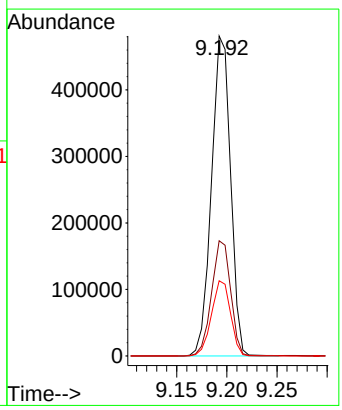


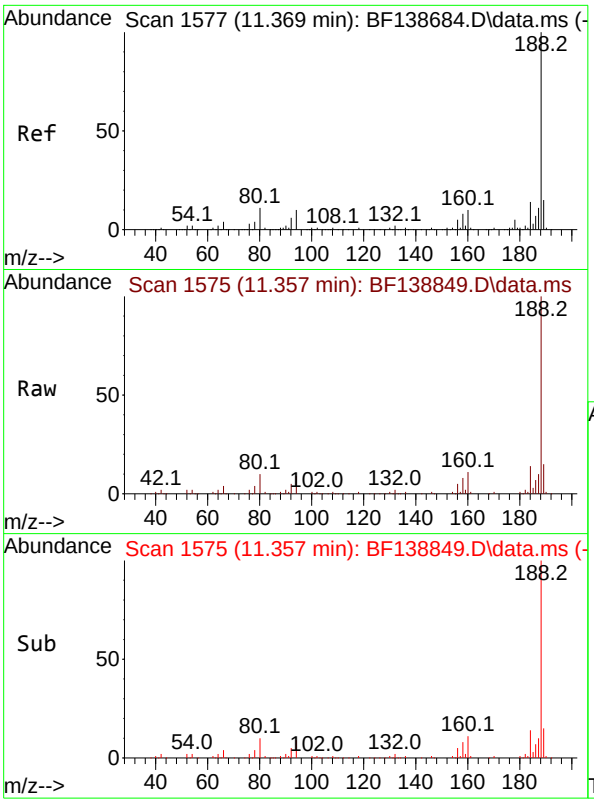


#45
2-Fluorobiphenyl
Concen: 104.701 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:172 Resp: 634292

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.3	42.5
170	23.5	18.8	28.2



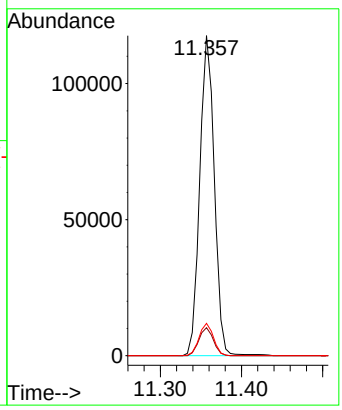


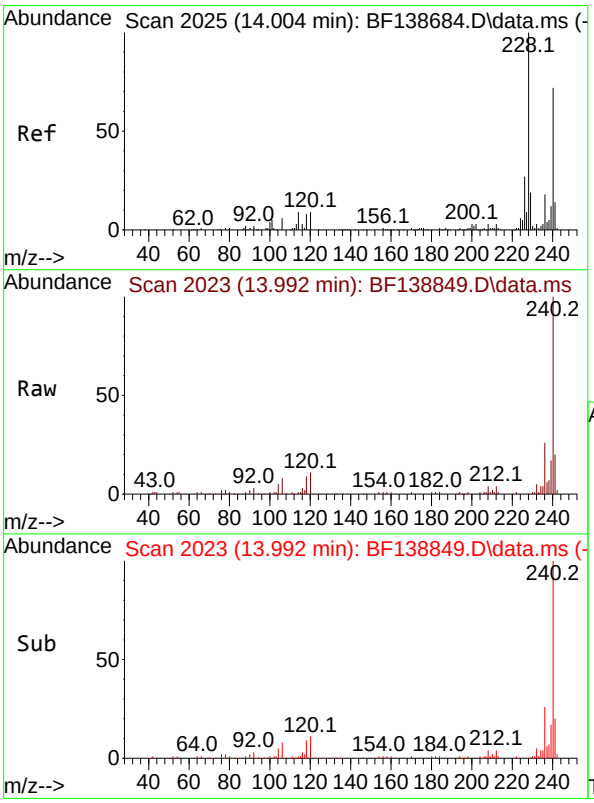
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Tgt Ion:188 Resp: 146465

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	10.1	8.6	12.8

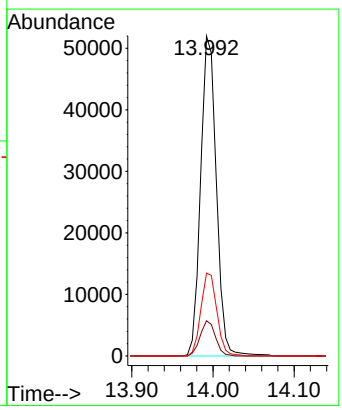


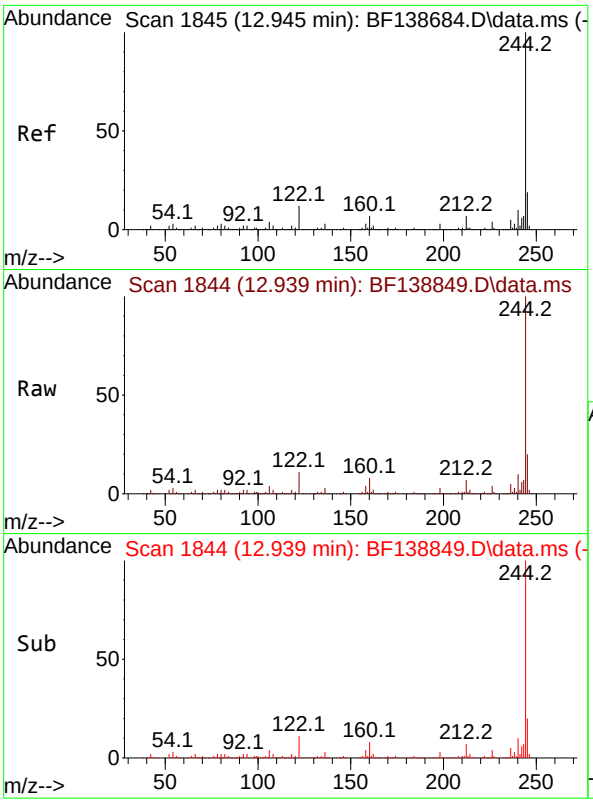


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:240 Resp: 69873

Ion	Ratio	Lower	Upper
240	100		
120	11.0	10.2	15.4
236	25.8	19.8	29.8



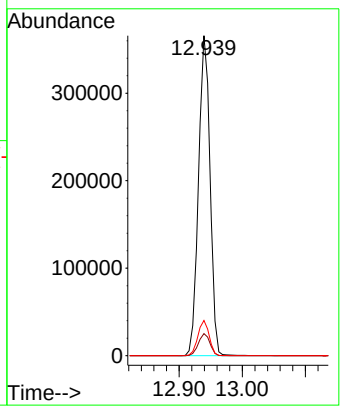


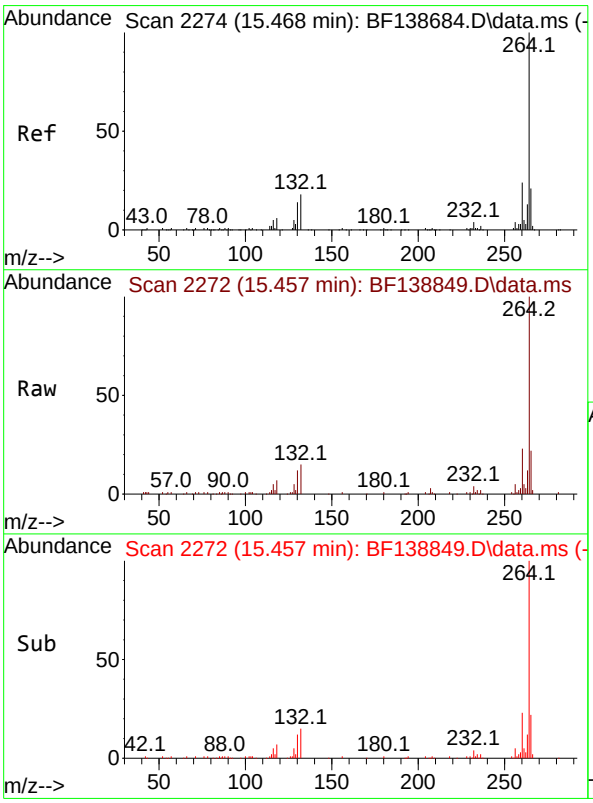
#79
Terphenyl-d14
Concen: 110.942 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Tgt Ion:244 Resp: 463000

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.0	9.6	14.4

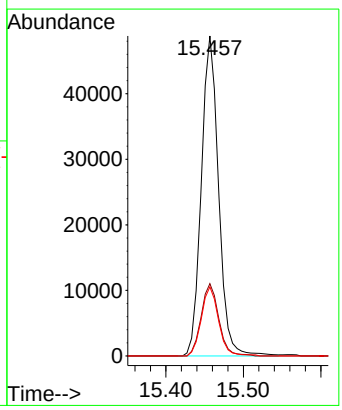




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:264 Resp: 75535

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.0	28.6
265	21.6	17.0	25.6



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

Response Factor Report BNA_F

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)

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

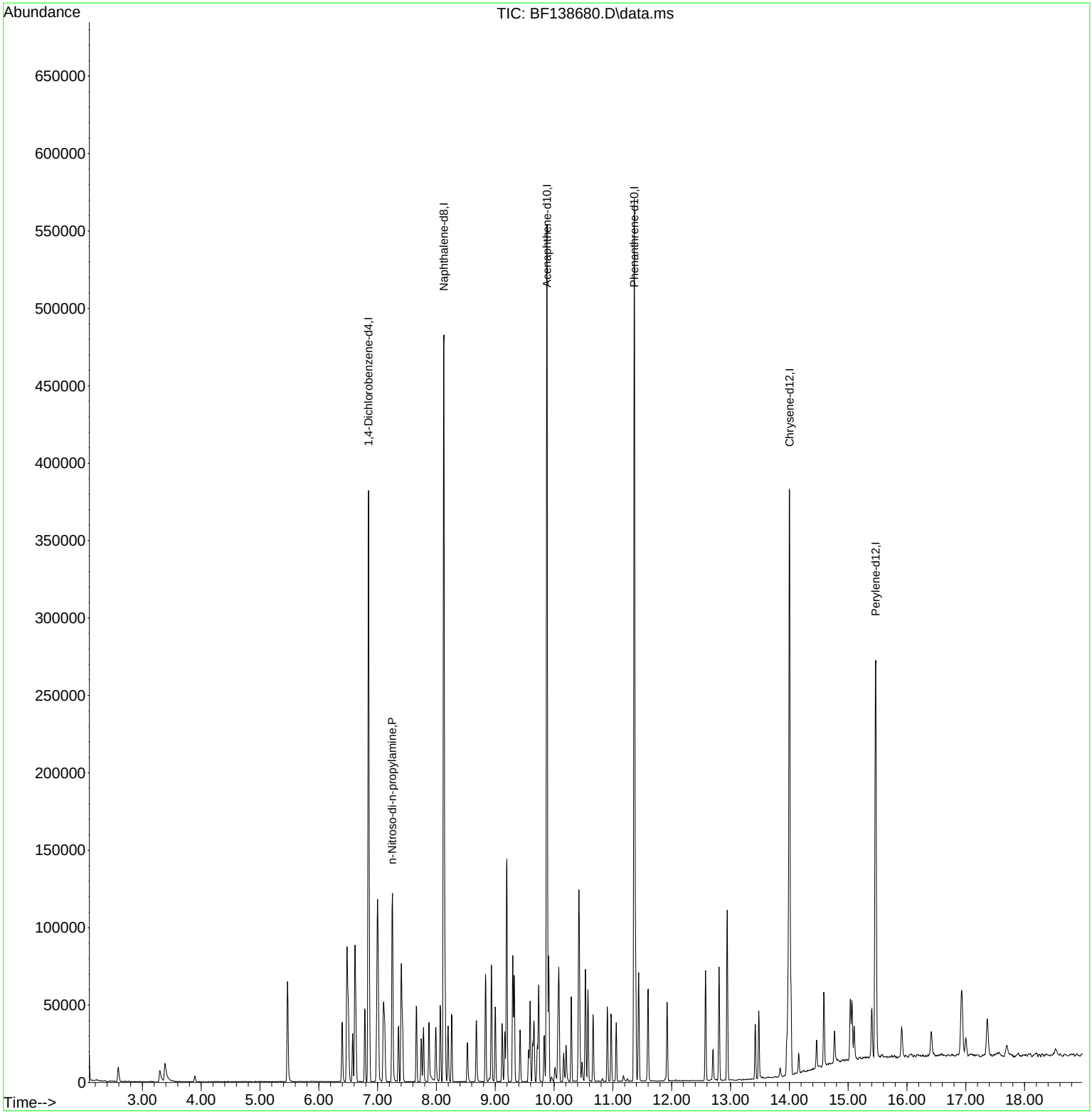
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	73346	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	293951	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	161886	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	284722	20.000	ng	0.00
76) Chrysene-d12	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

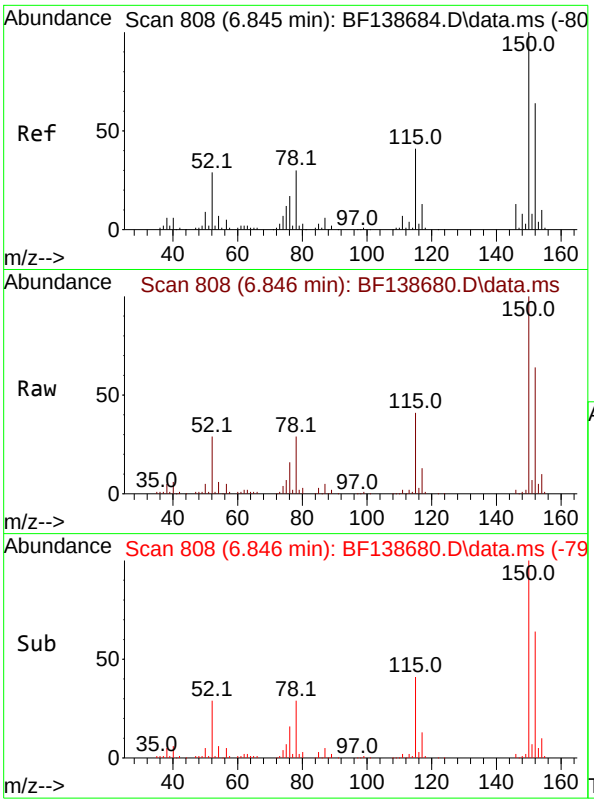
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



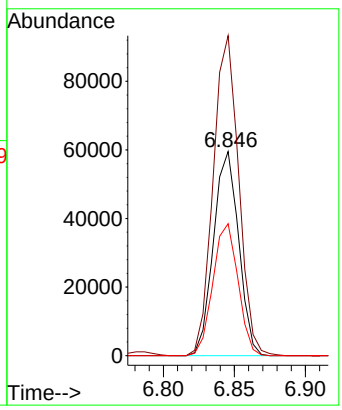


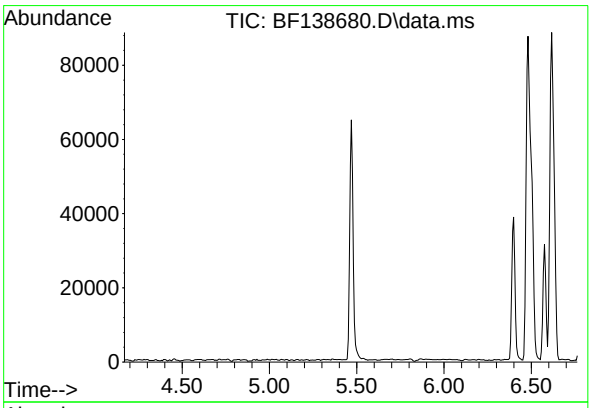
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



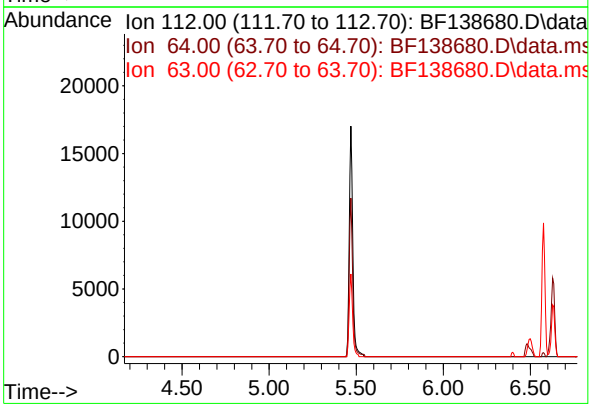


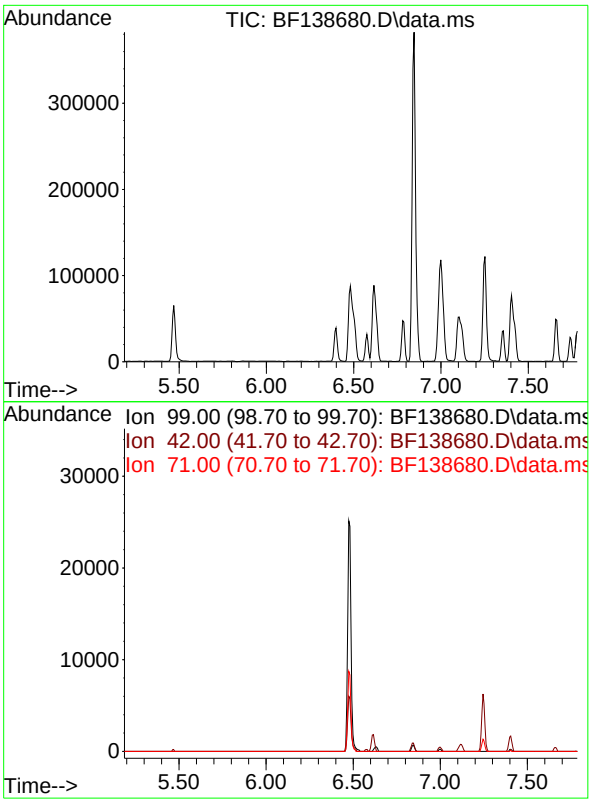
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.47 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	67.8
63	35.9





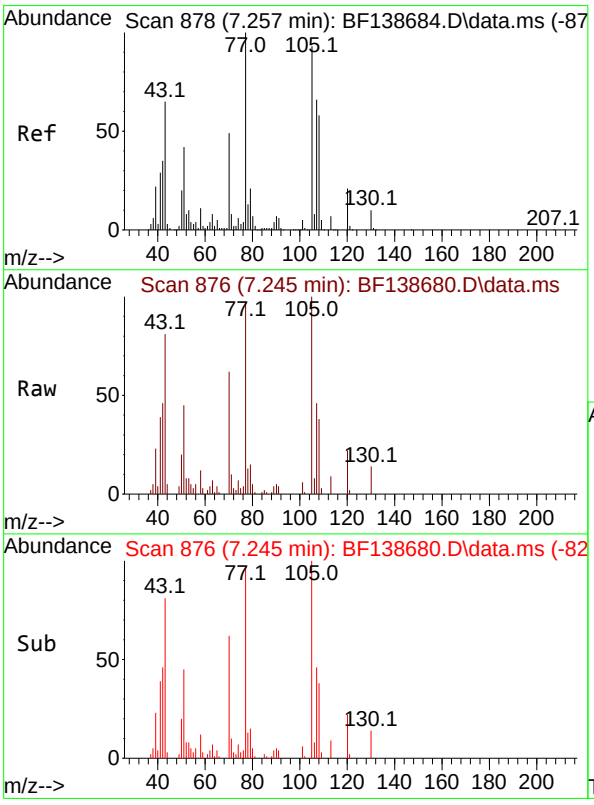
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.49 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

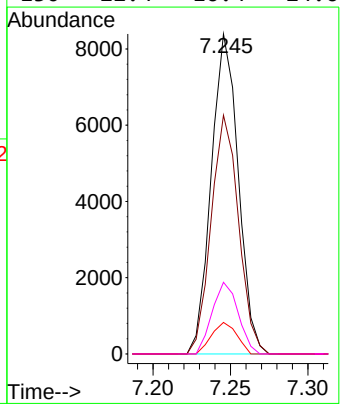
Sig	Exp Ratio
99	100
42	21.7
71	35.1

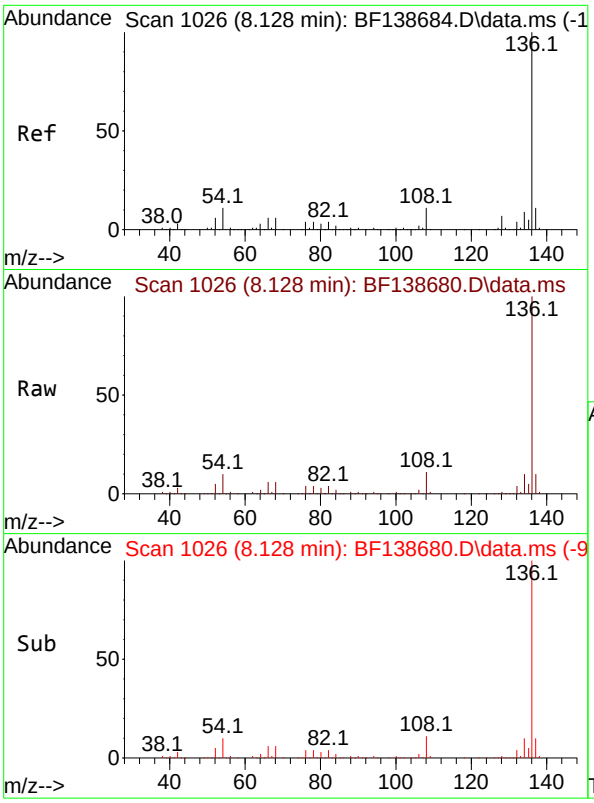


#19
n-Nitroso-di-n-propylamine
Concen: 2.640 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



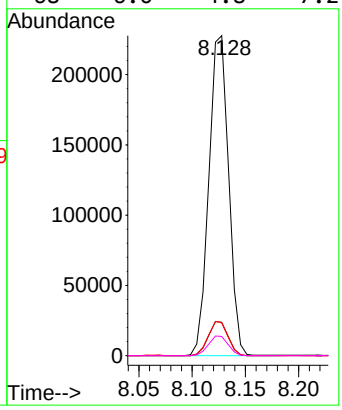


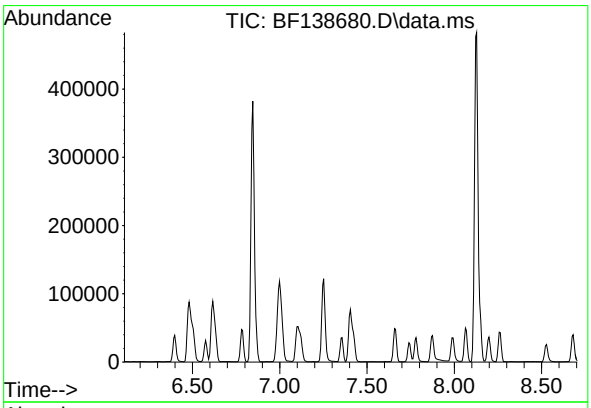
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



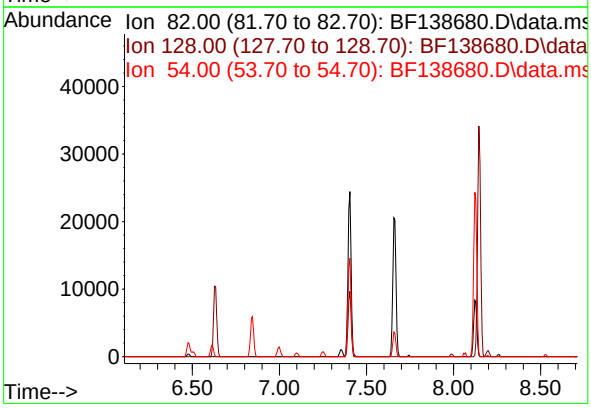


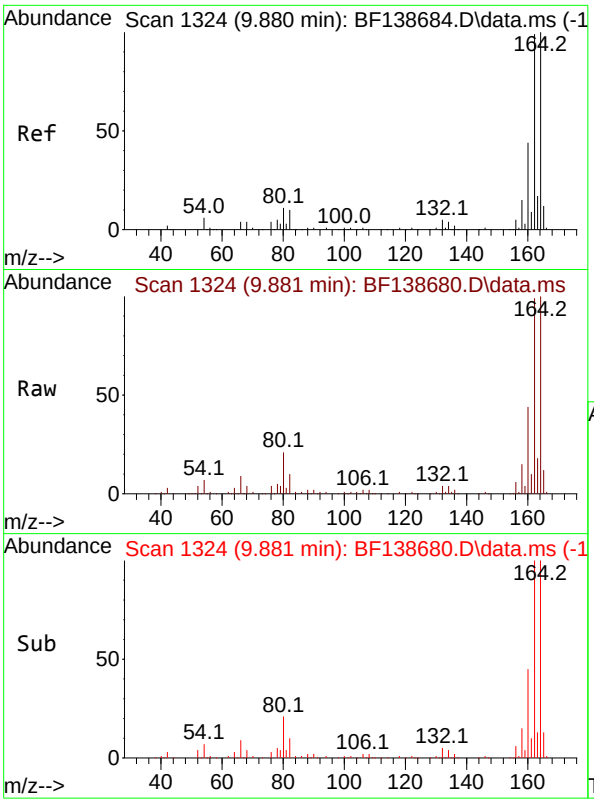
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.41 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.0
54	60.4



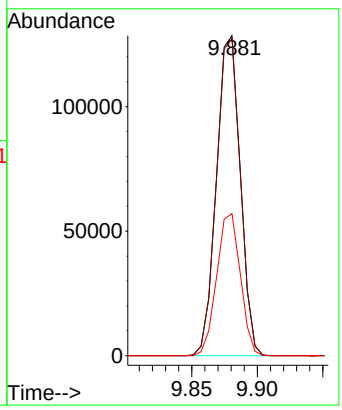


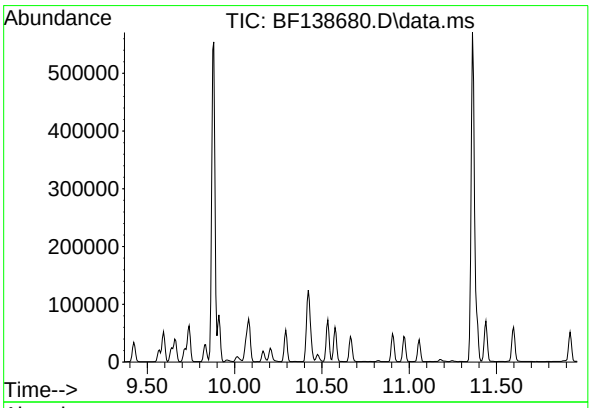
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



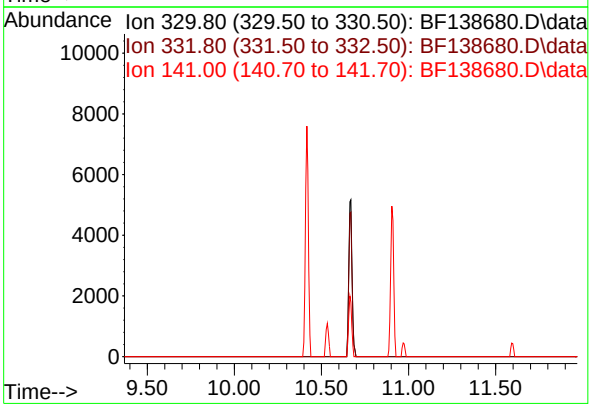


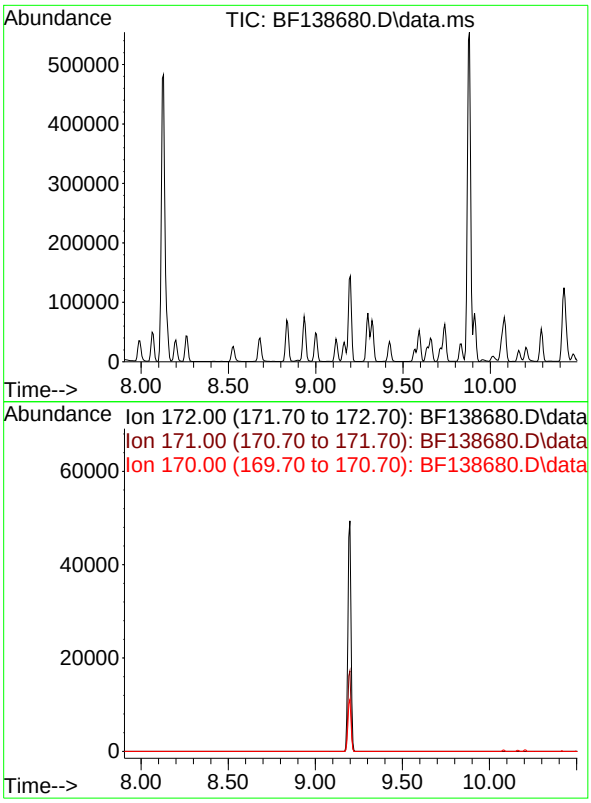
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.67 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.5
141	38.9





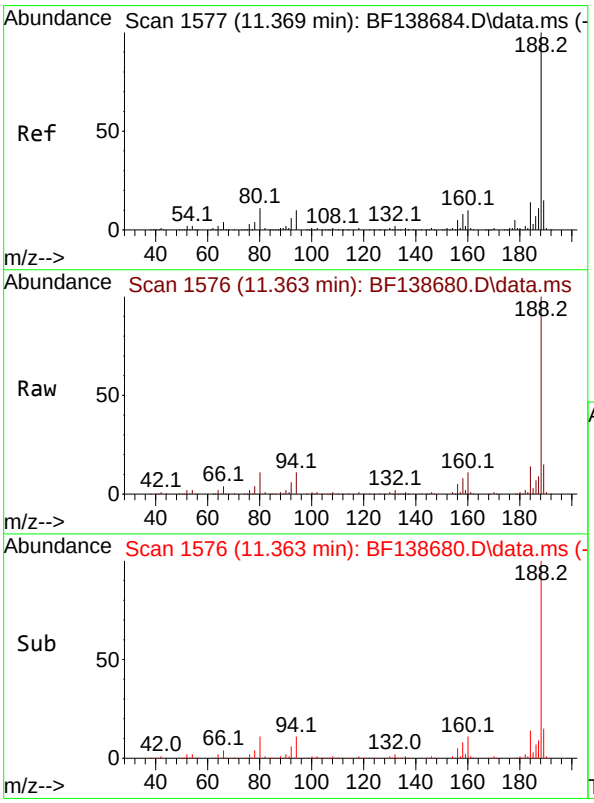
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.20 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

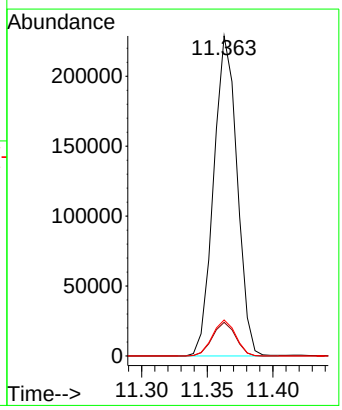
Sig	Exp Ratio
172	100
171	35.4
170	23.5

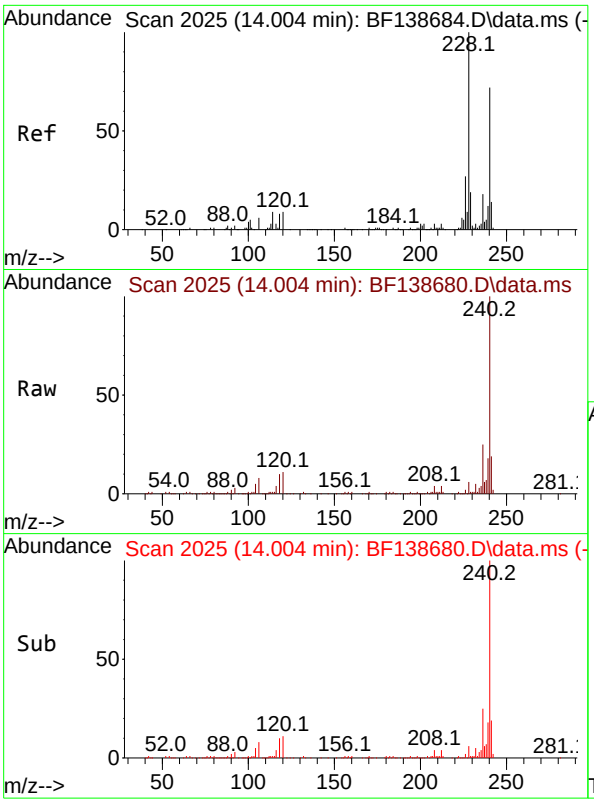


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



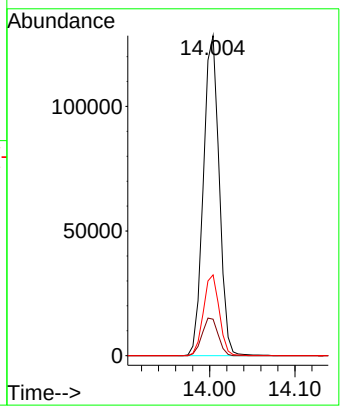


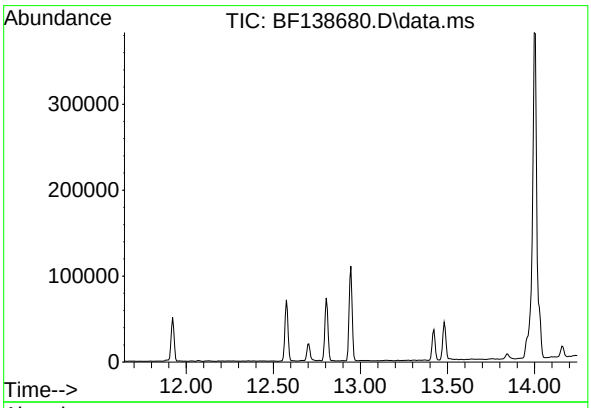
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



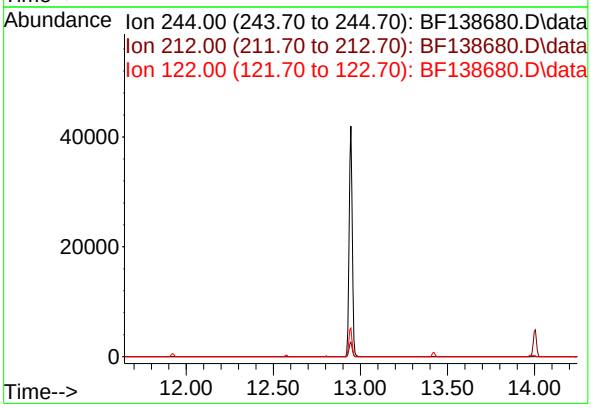


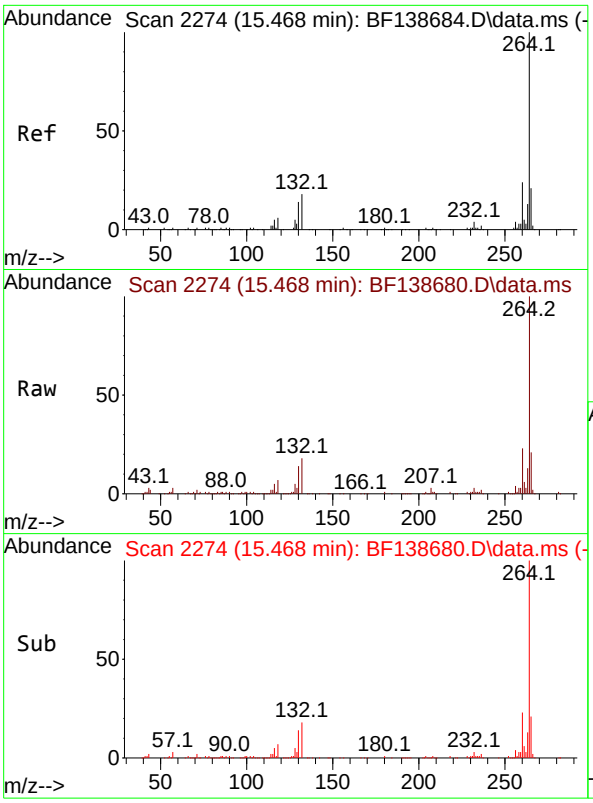
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.95 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.8
122	12.0



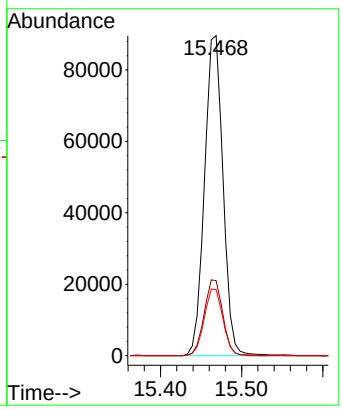


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

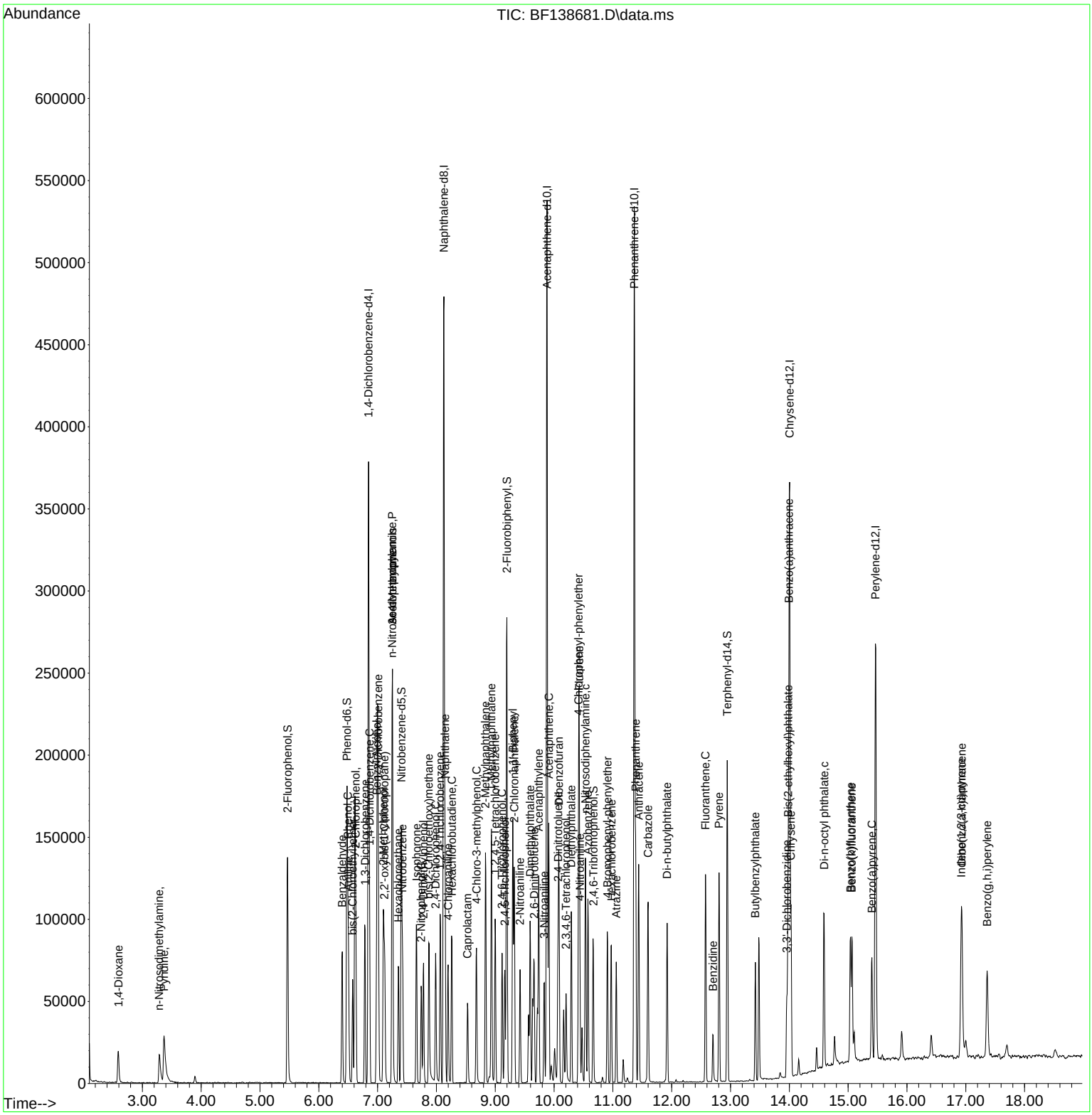
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.322	162	49660	5.421	ng		100
48) 2-Nitroaniline	9.422	65	15473	4.982	ng		95
49) Acenaphthylene	9.739	152	70622	5.435	ng		99
50) Dimethylphthalate	9.592	163	52521	5.223	ng		99
51) 2,6-Dinitrotoluene	9.663	165	11264	4.963	ng		95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

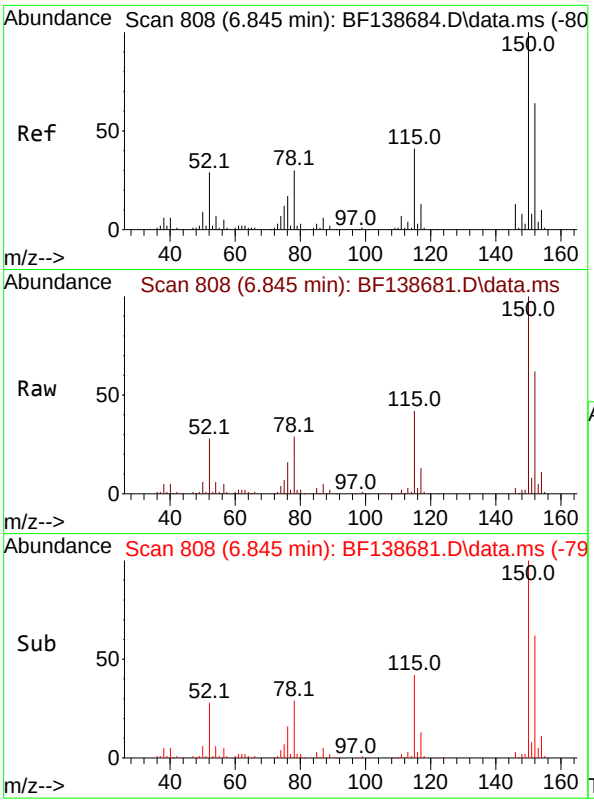
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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



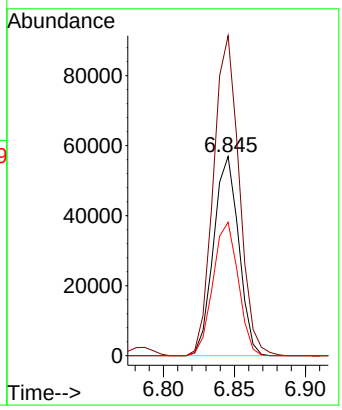


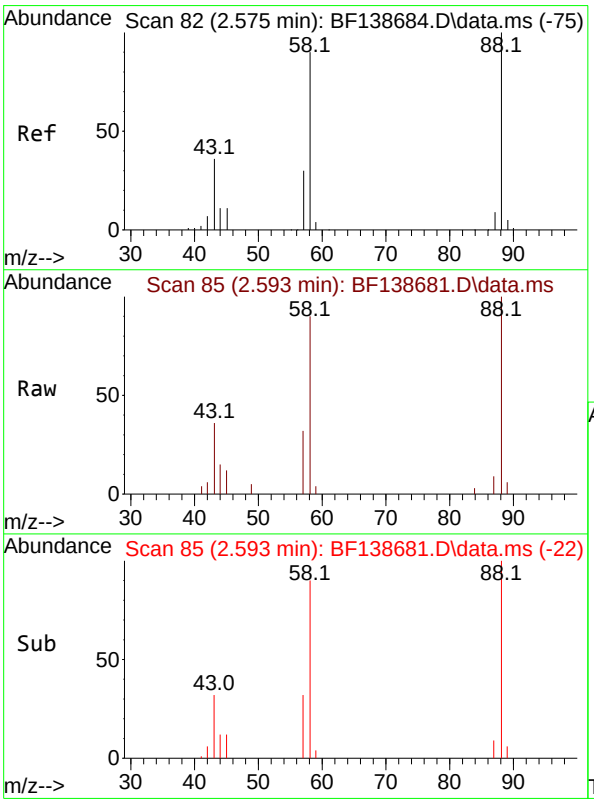
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 70137

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

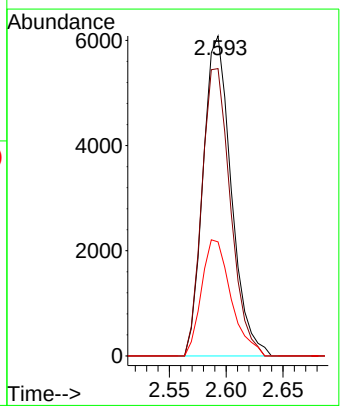


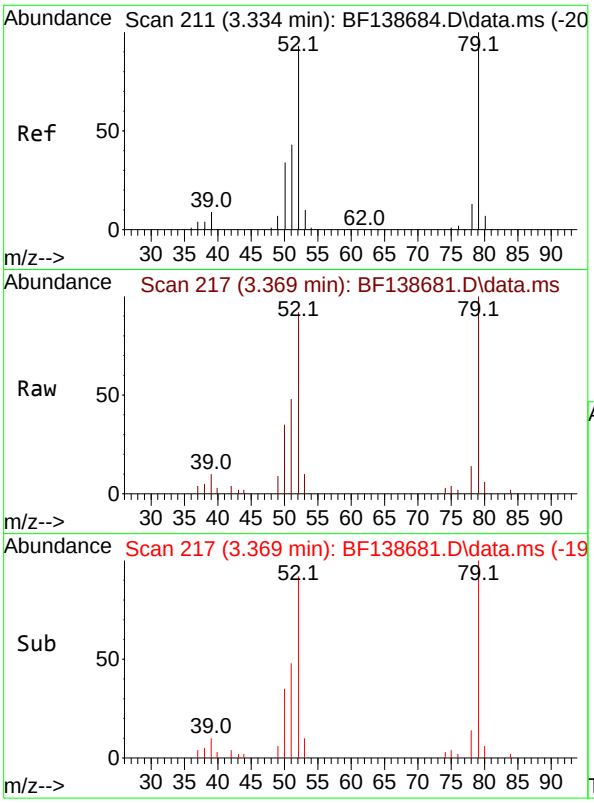


#2
1,4-Dioxane
Concen: 5.260 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 88 Resp: 10463

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



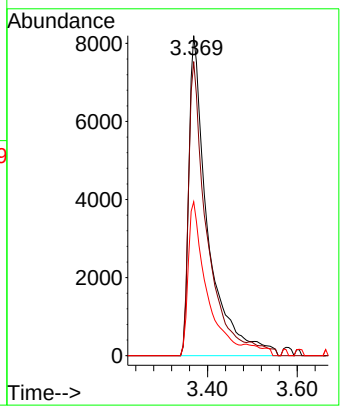


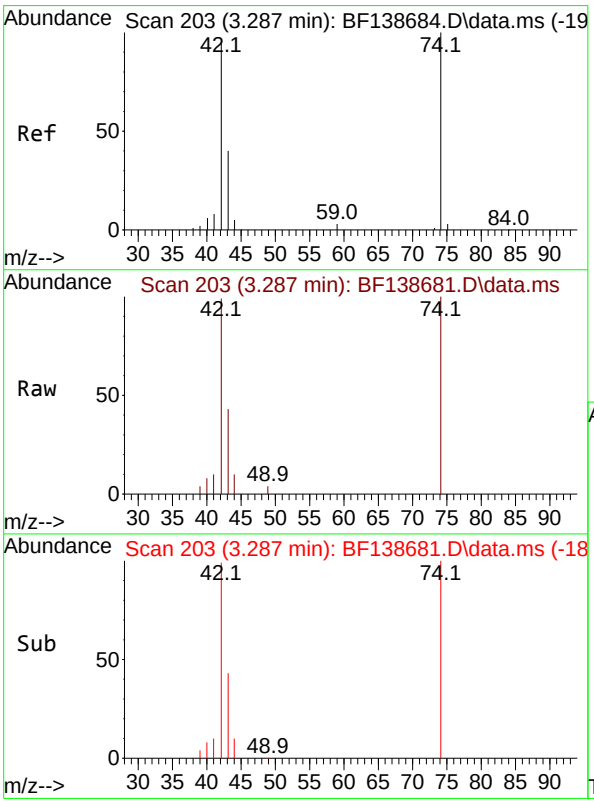
#3
Pyridine
Concen: 4.995 ng
RT: 3.369 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 24069

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

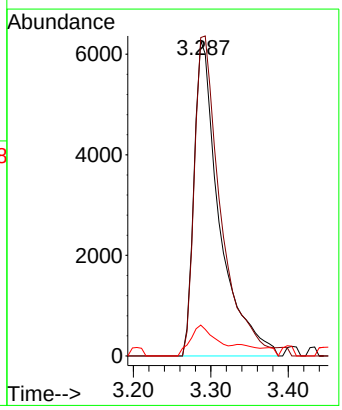


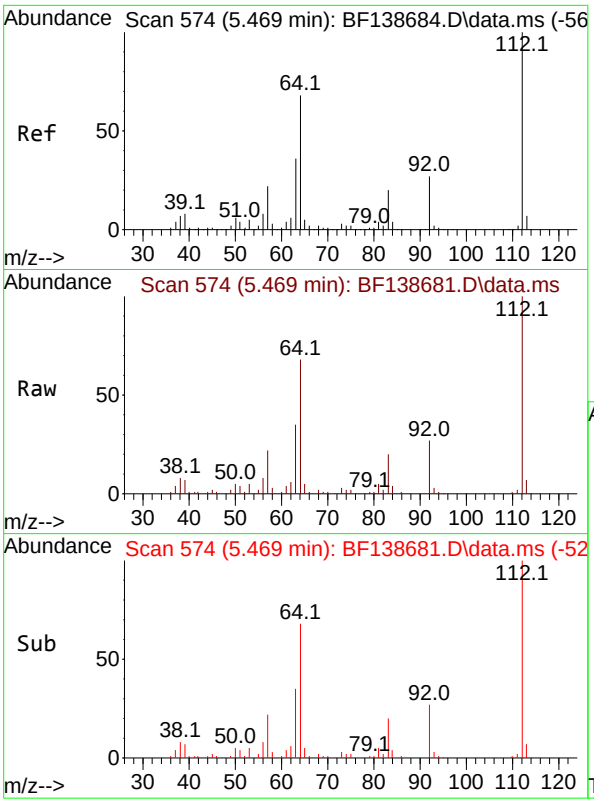


#4
n-Nitrosodimethylamine
Concen: 4.965 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 42 Resp: 14249

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



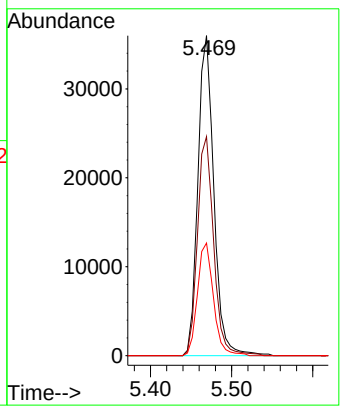


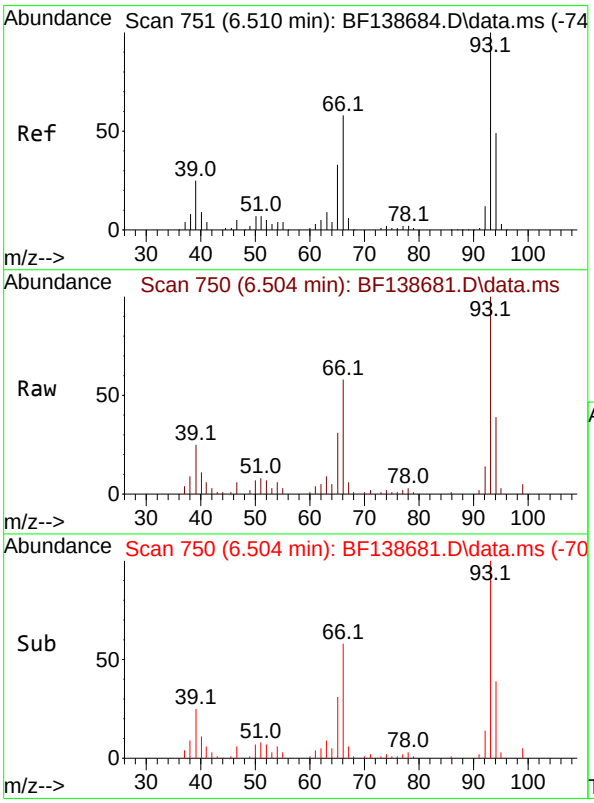
#5
2-Fluorophenol
Concen: 10.834 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 49224

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

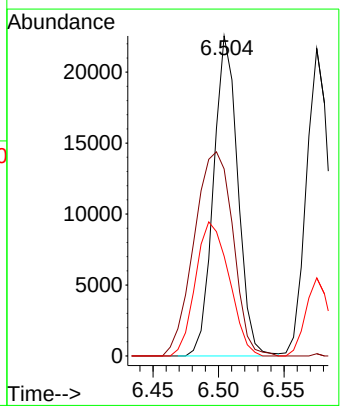


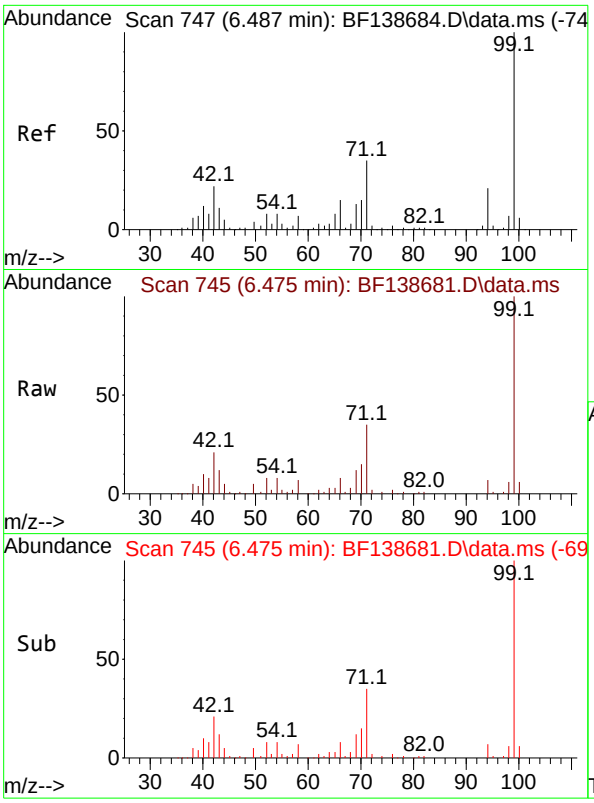


#6
Aniline
Concen: 5.339 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 93 Resp: 29043

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



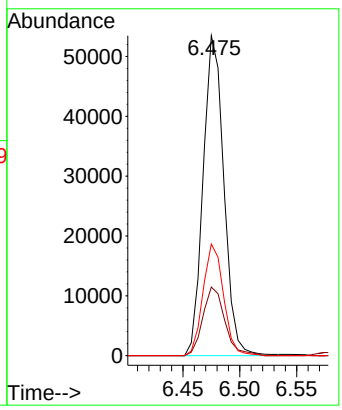


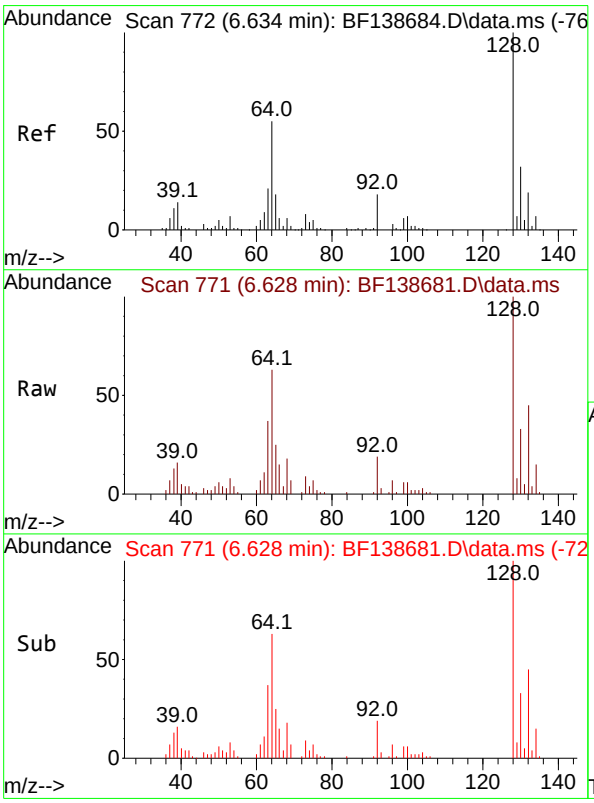
#7
Phenol-d6
Concen: 11.140 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

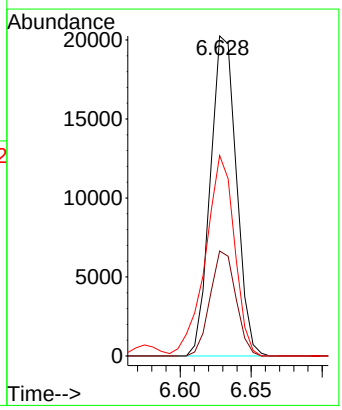


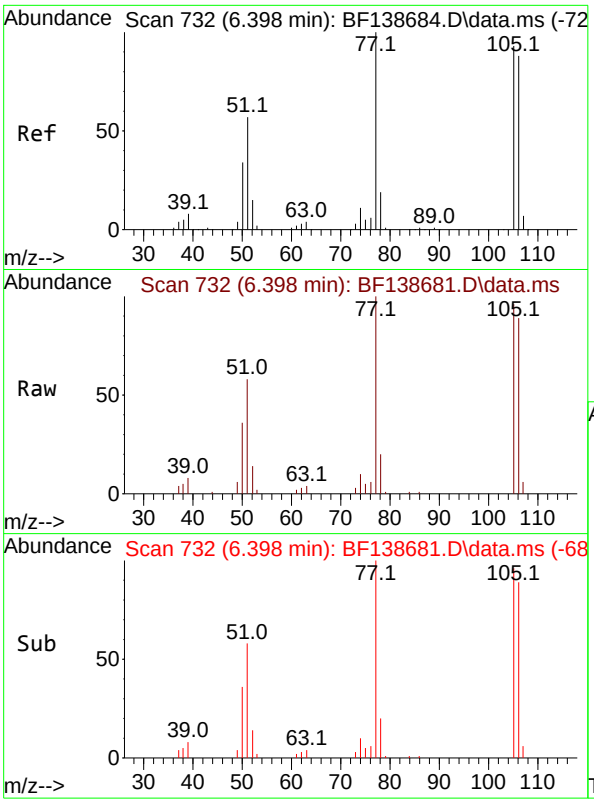


#8
2-Chlorophenol
Concen: 5.397 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



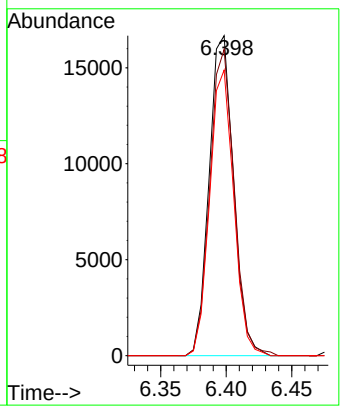


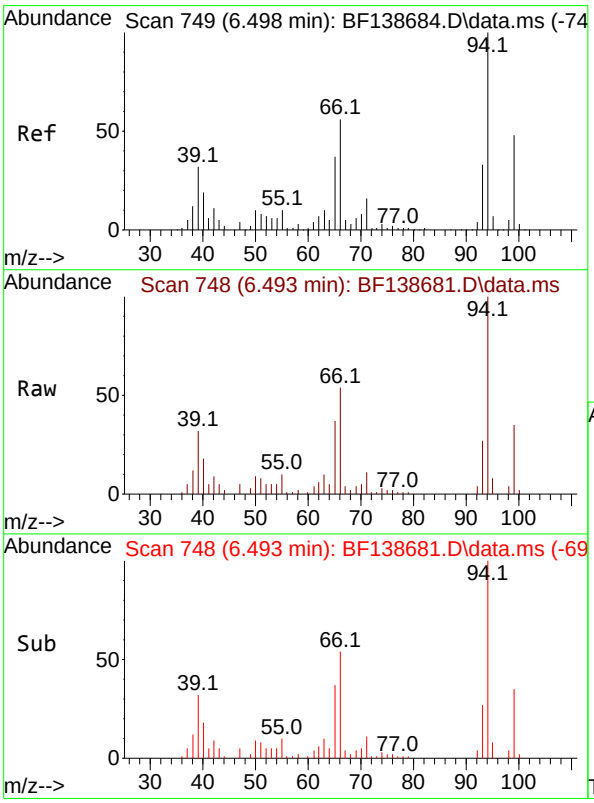
#9
Benzaldehyde
Concen: 5.896 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

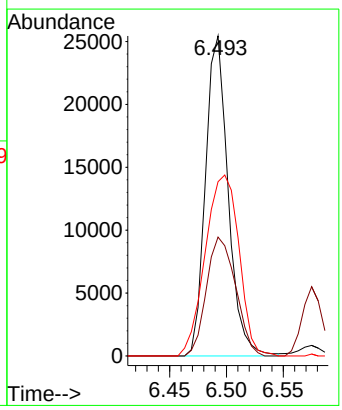


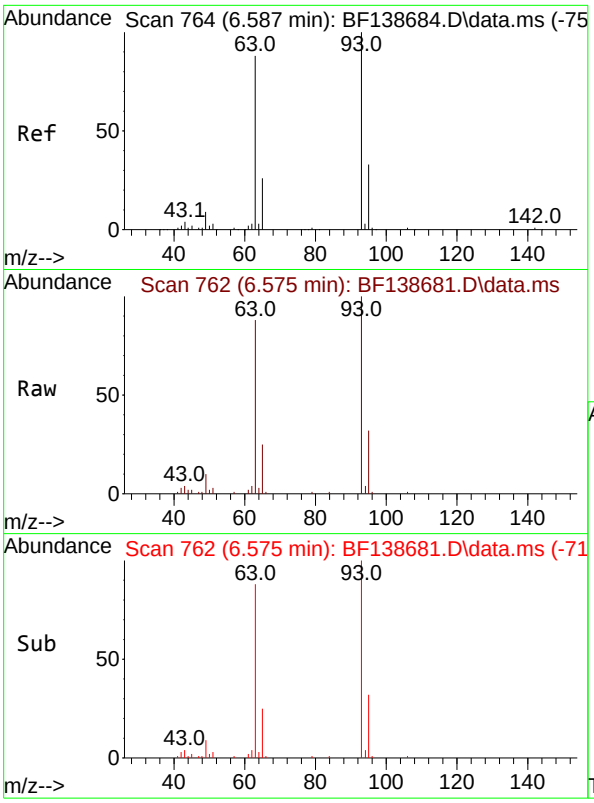


#10
Phenol
Concen: 5.492 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



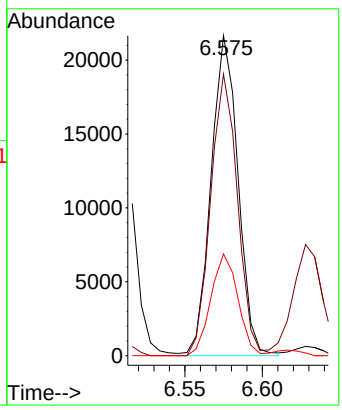


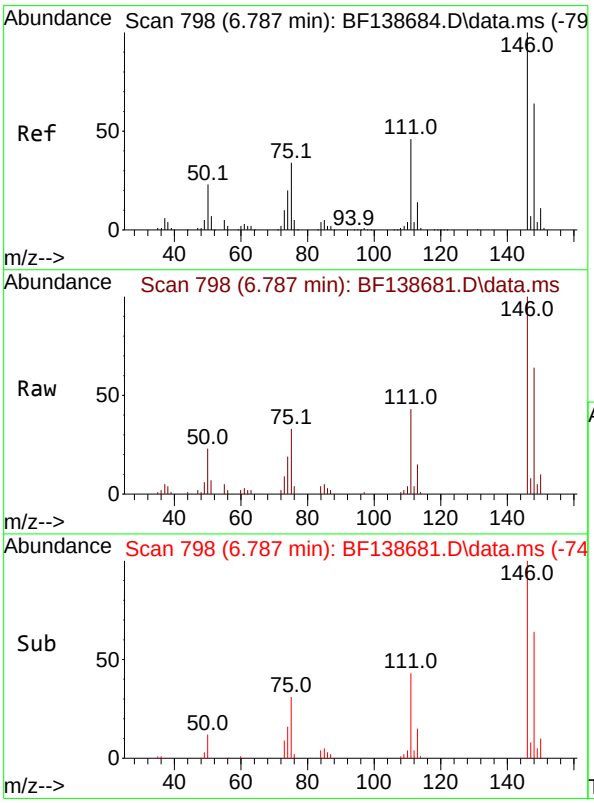
#11
bis(2-Chloroethyl)ether
Concen: 5.302 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

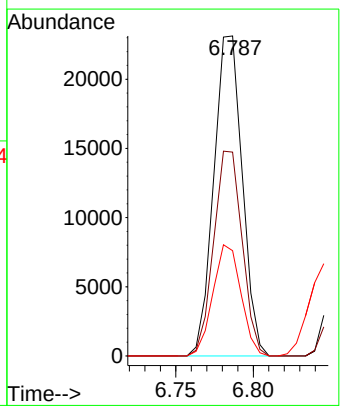


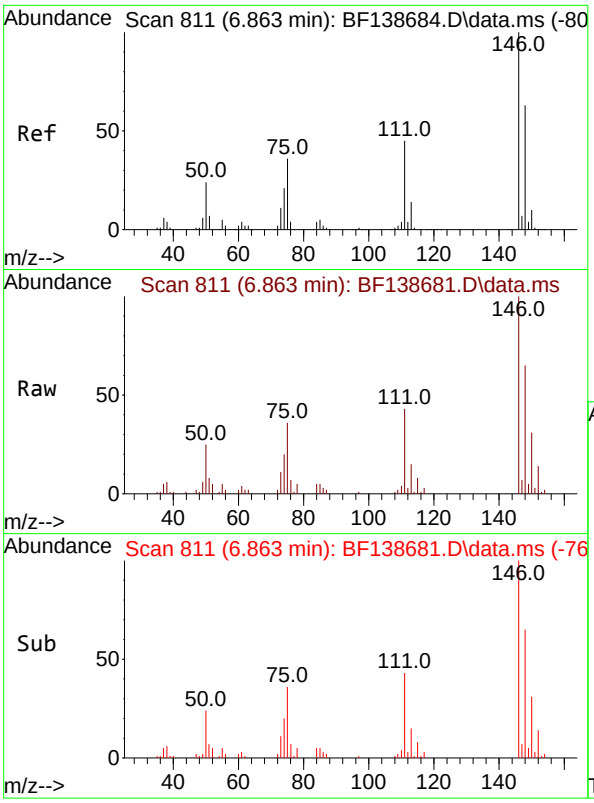


#12
1,3-Dichlorobenzene
Concen: 5.529 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



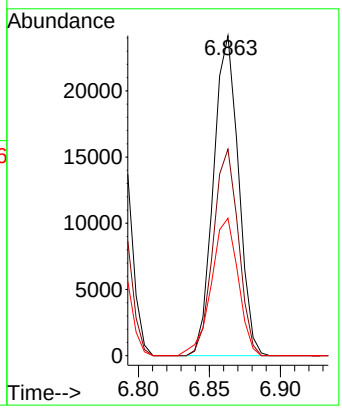


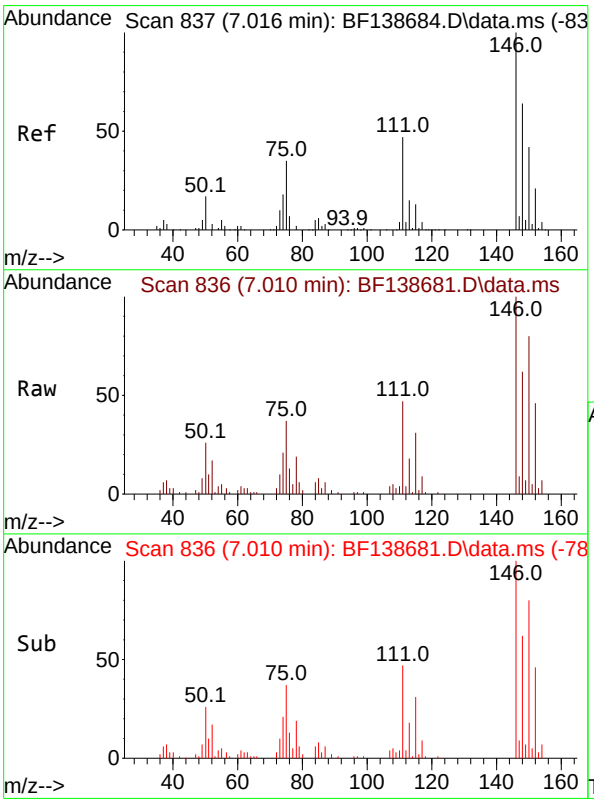
#13
1,4-Dichlorobenzene
Concen: 5.485 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

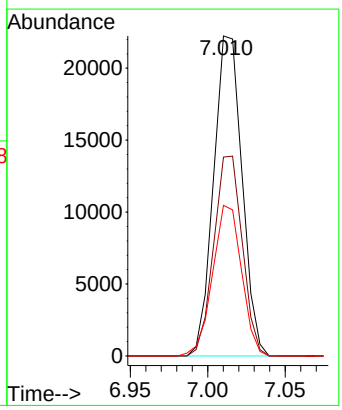


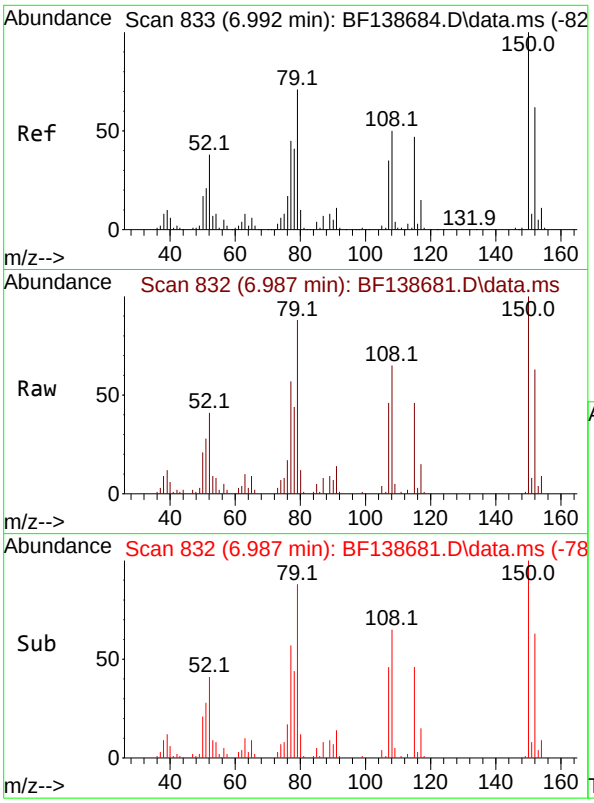


#14
1,2-Dichlorobenzene
Concen: 5.630 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



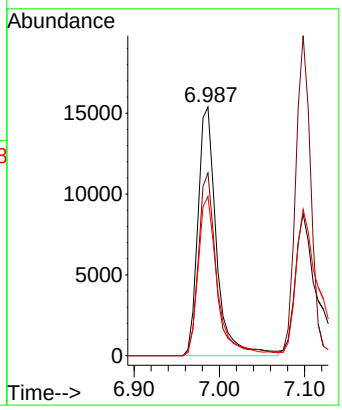


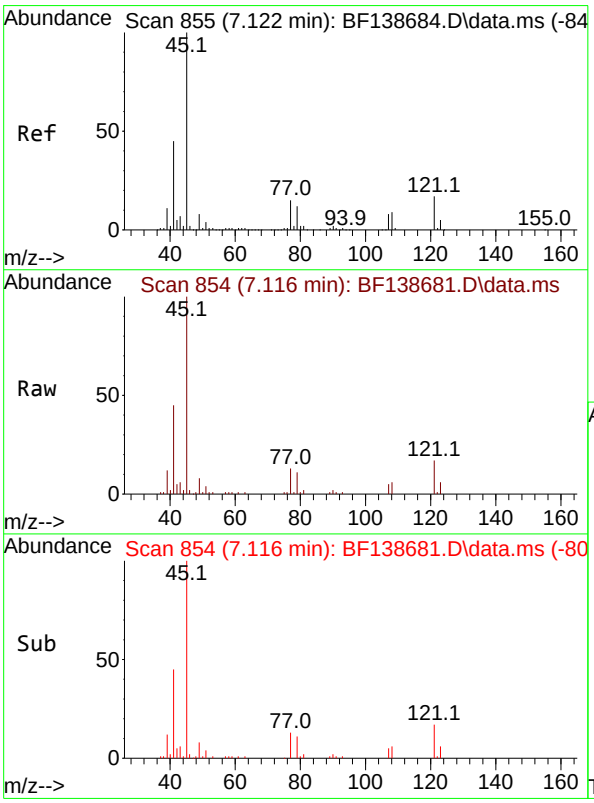
#15
Benzyl Alcohol
Concen: 5.287 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

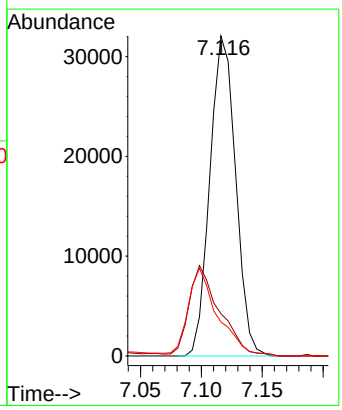


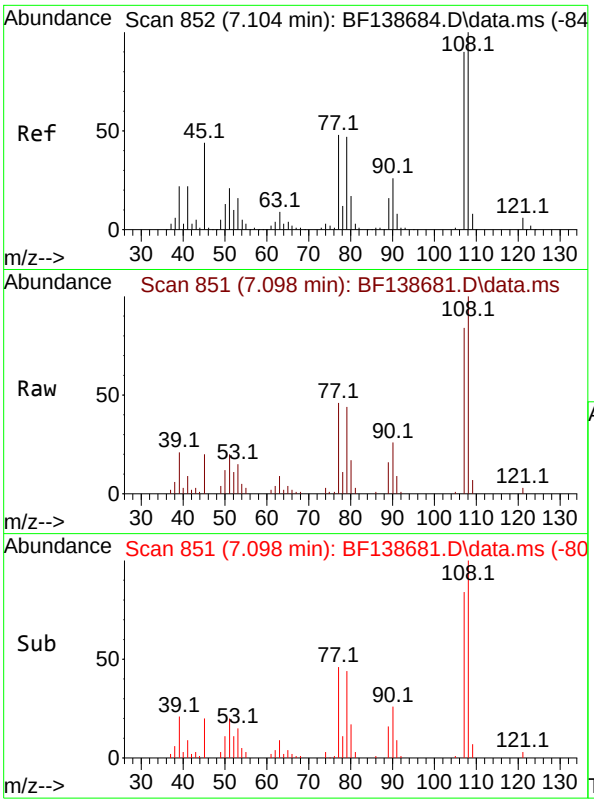


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.555 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



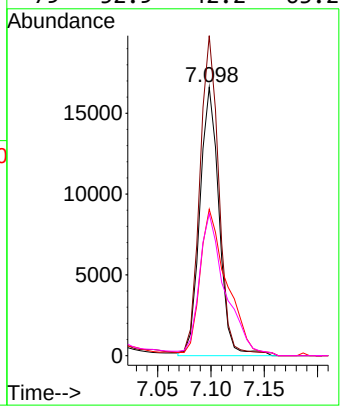


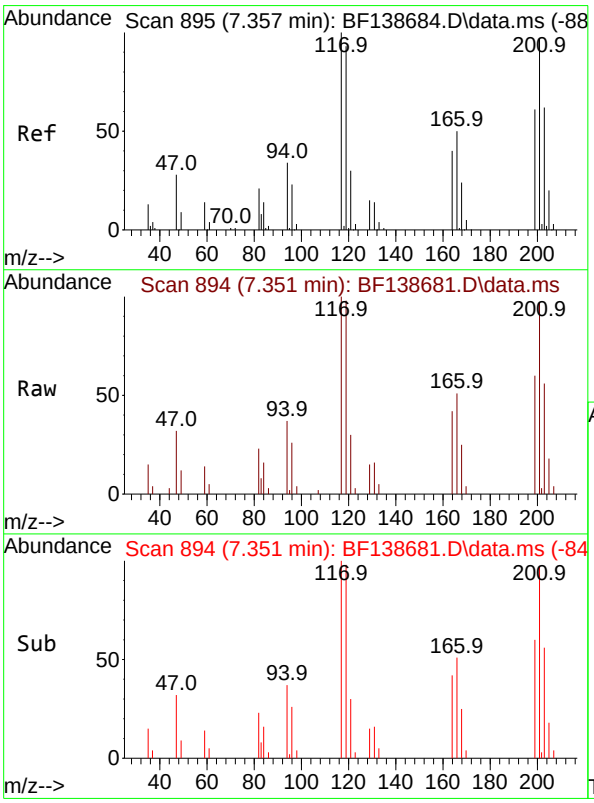
#17
2-Methylphenol
Concen: 5.293 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

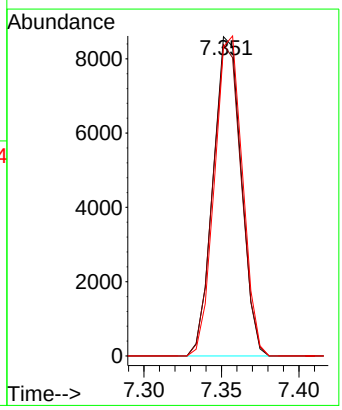


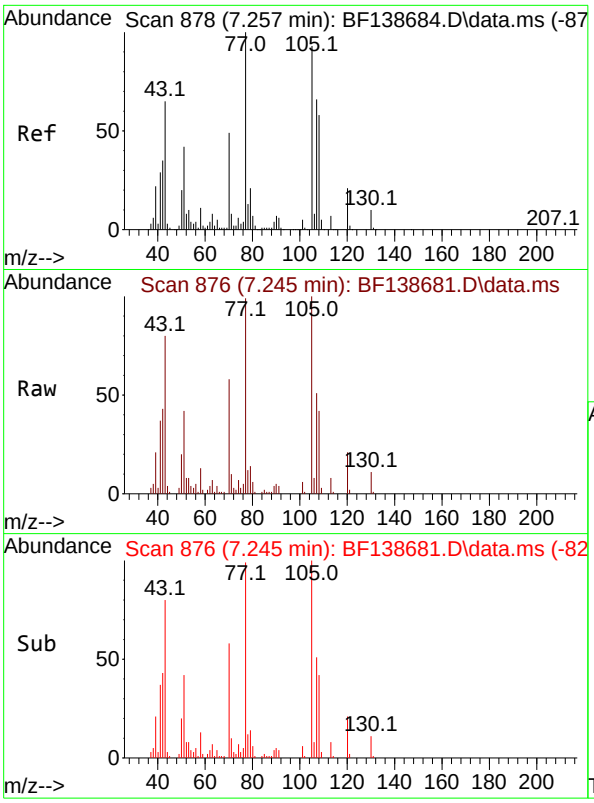


#18
Hexachloroethane
Concen: 5.342 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



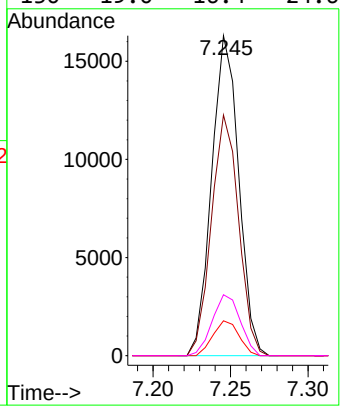


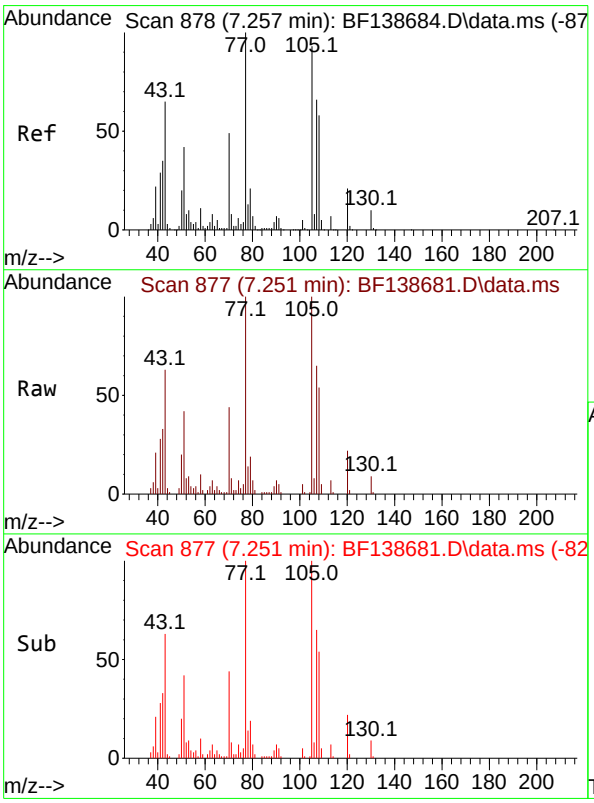
#19
n-Nitroso-di-n-propylamine
Concen: 5.375 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

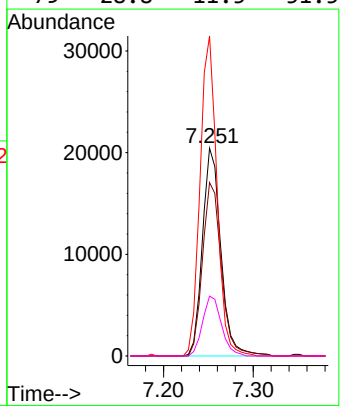


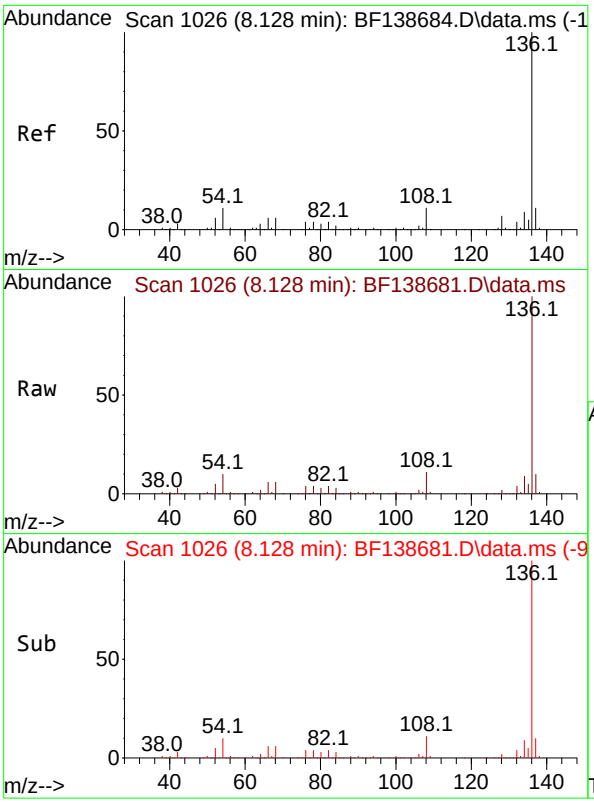


#20
3+4-Methylphenols
Concen: 5.750 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



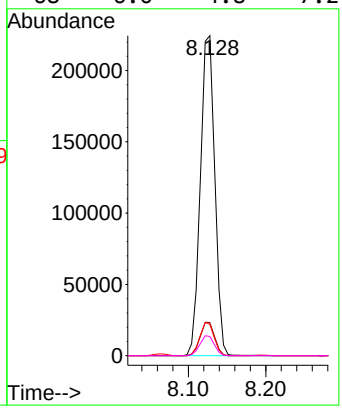


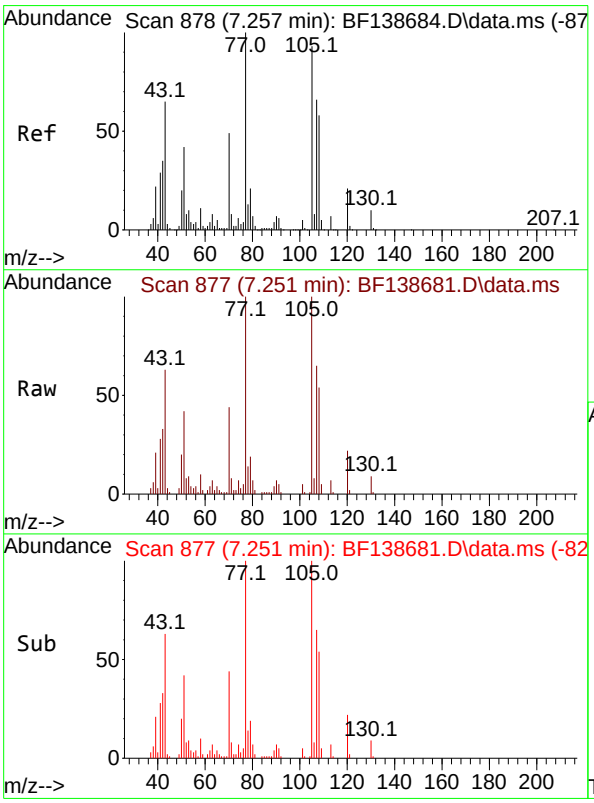
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

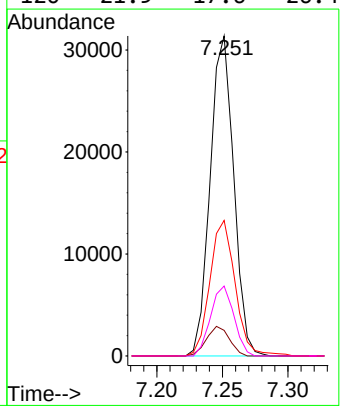


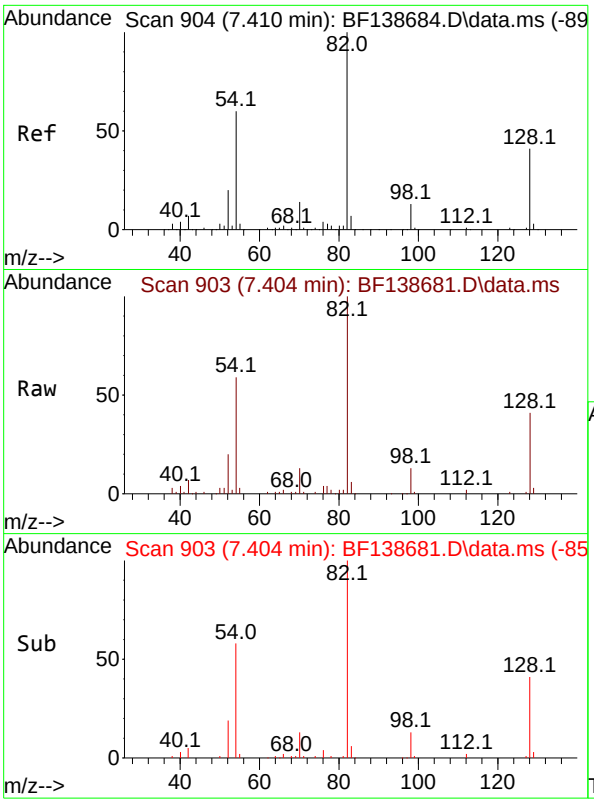


#22
Acetophenone
Concen: 5.496 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



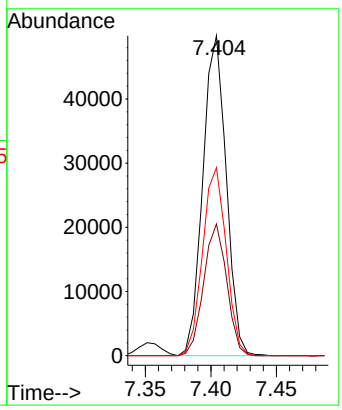


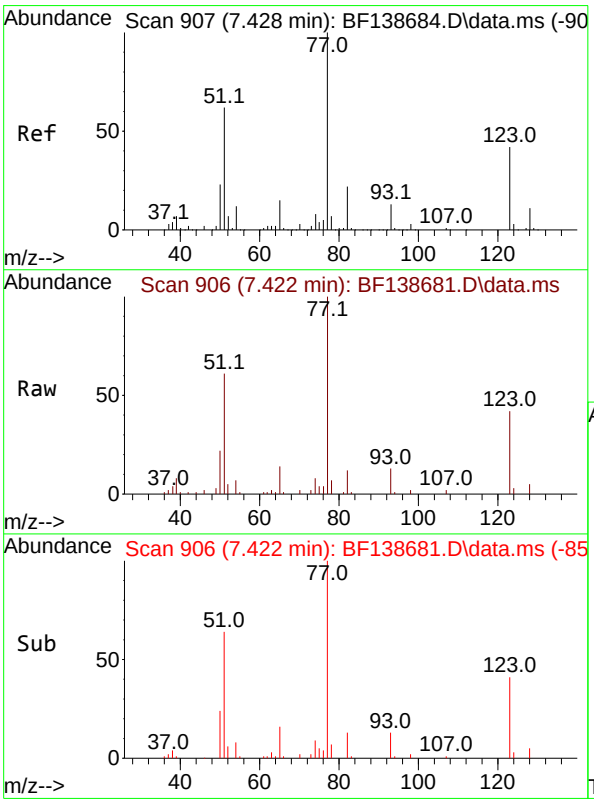
#23
Nitrobenzene-d5
Concen: 10.407 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

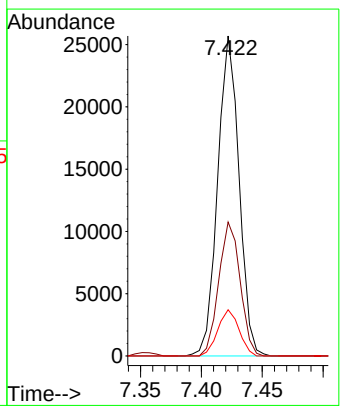


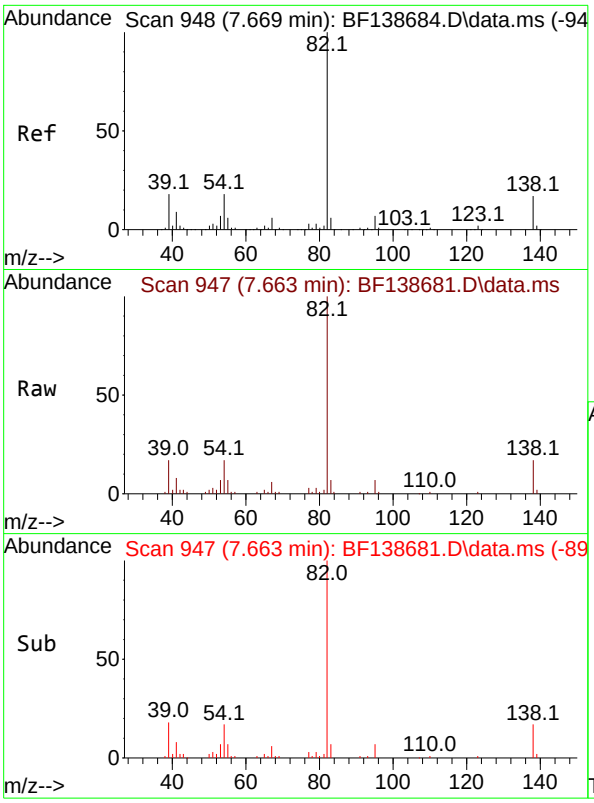


#24
Nitrobenzene
Concen: 5.183 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



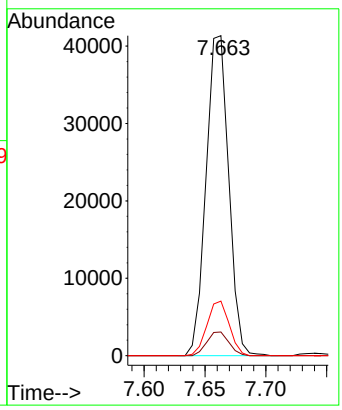


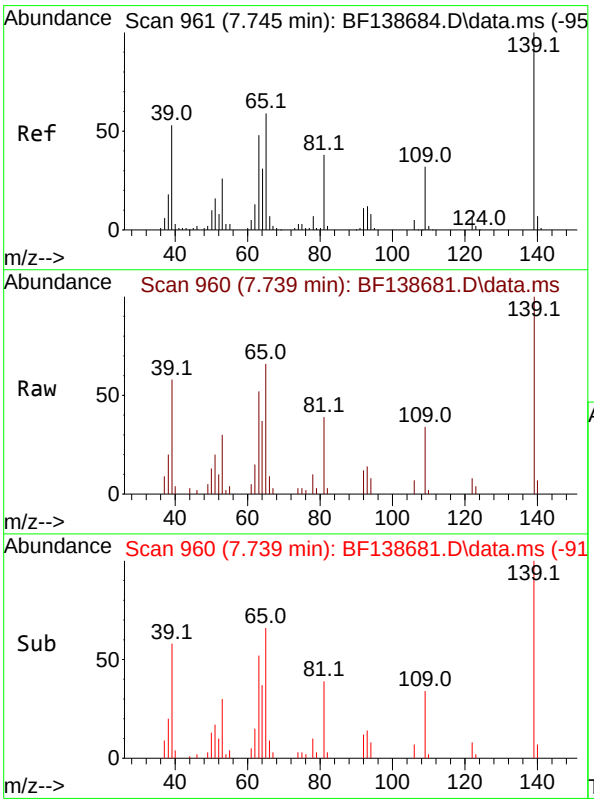
#25
Isophorone
Concen: 5.260 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

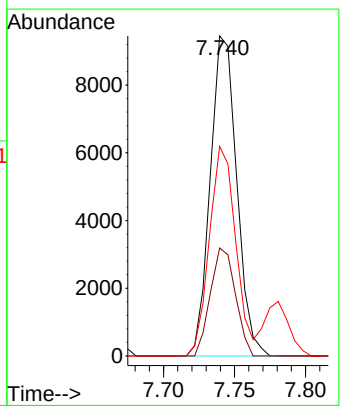


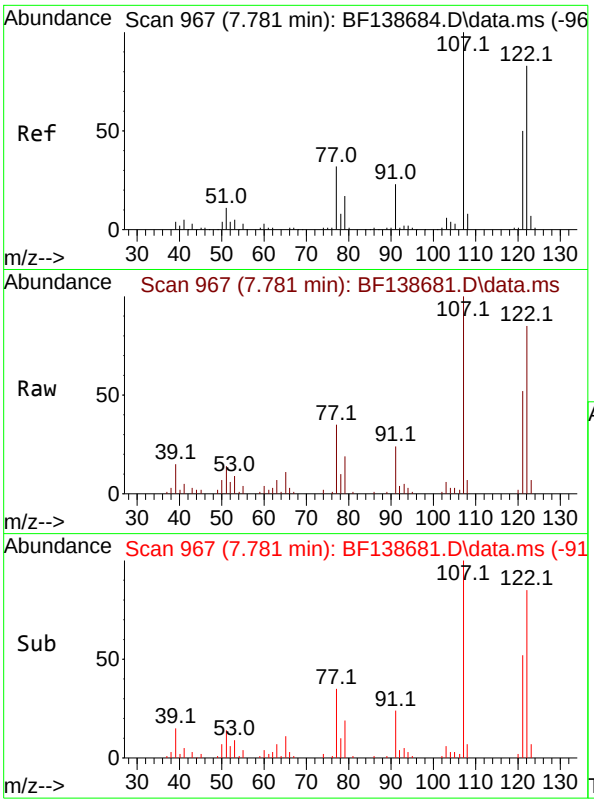


#26
2-Nitrophenol
Concen: 4.708 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



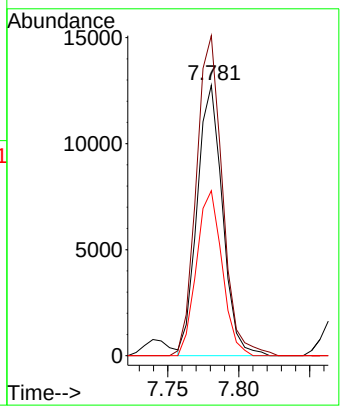


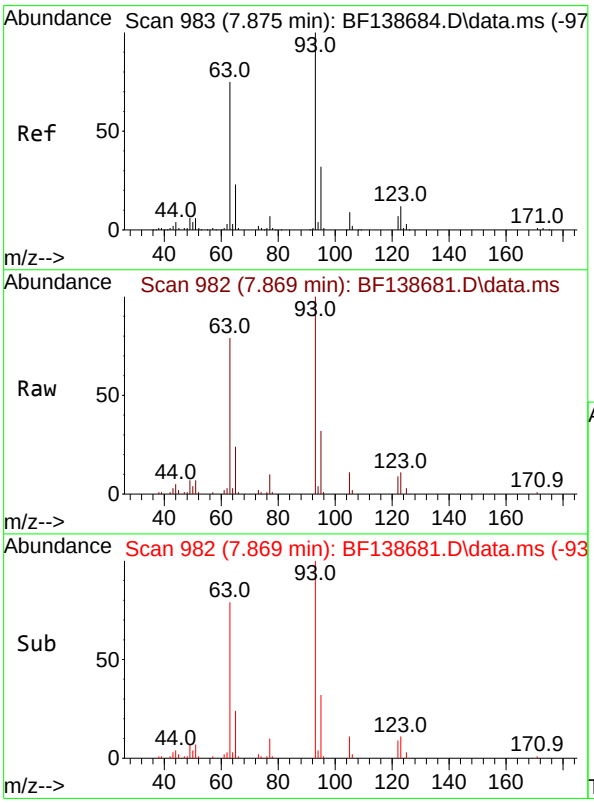
#27
2,4-Dimethylphenol
Concen: 5.102 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

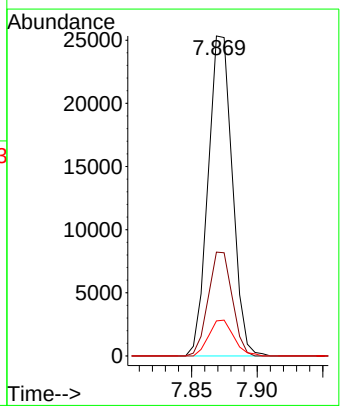


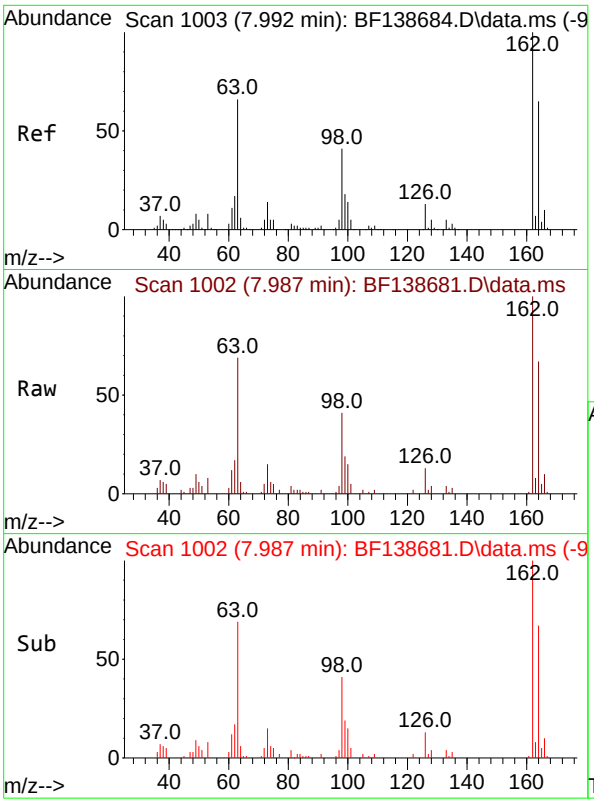


#28
bis(2-Chloroethoxy)methane
Concen: 5.263 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



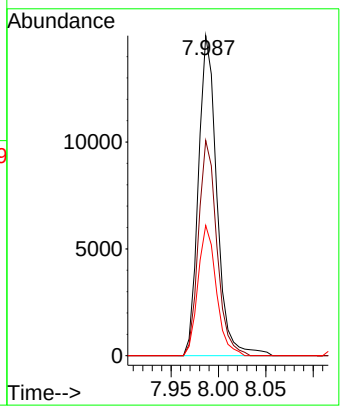


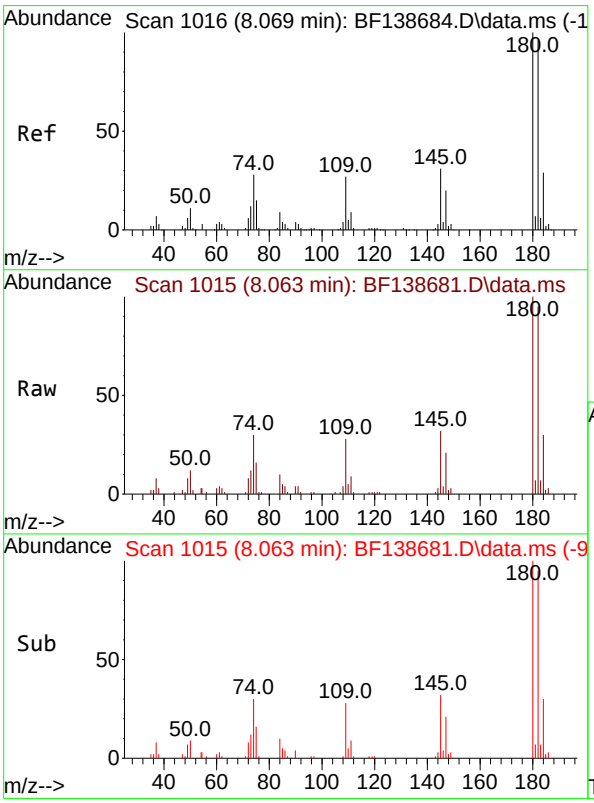
#29
2,4-Dichlorophenol
Concen: 5.058 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

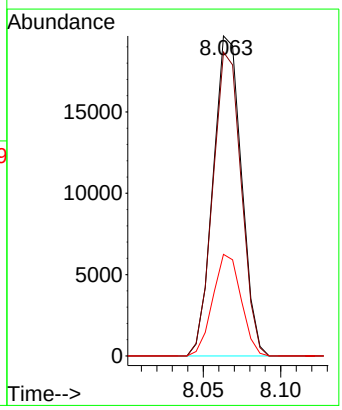


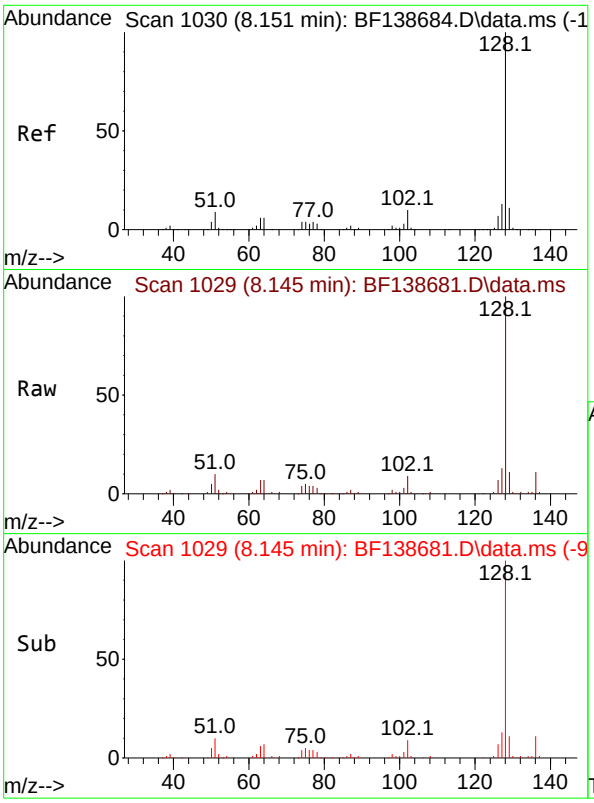


#30
1,2,4-Trichlorobenzene
Concen: 5.414 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



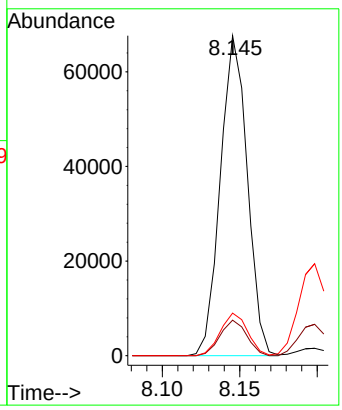


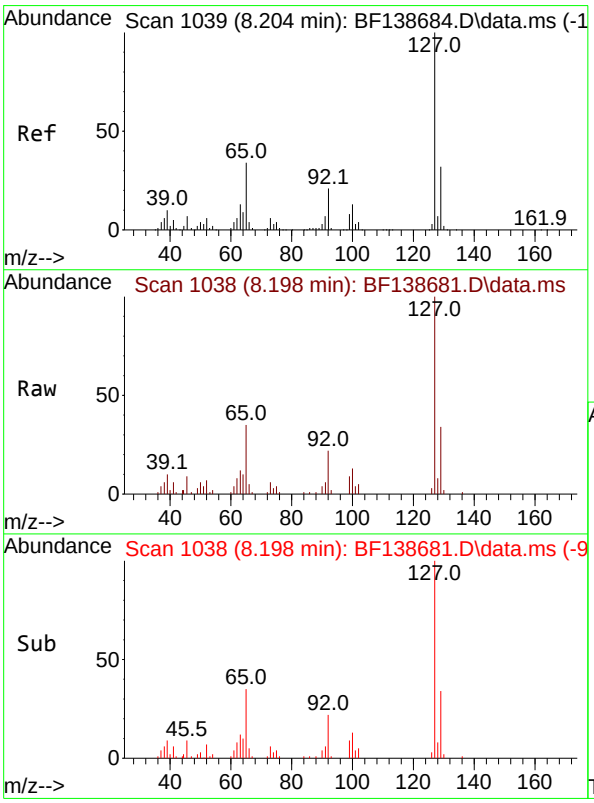
#31
Naphthalene
Concen: 5.338 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

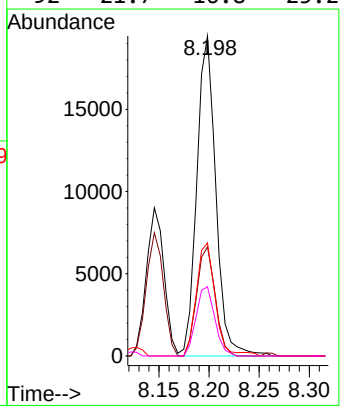


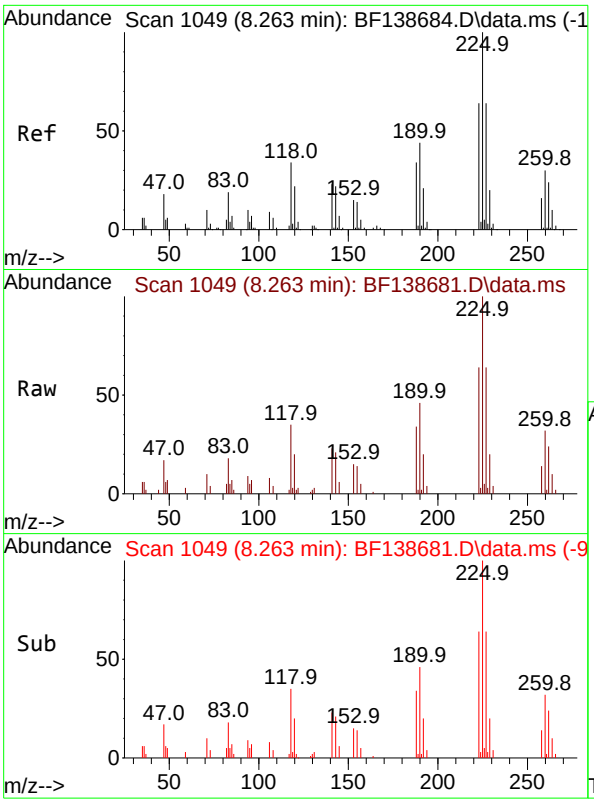


#33
4-Chloroaniline
Concen: 5.009 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



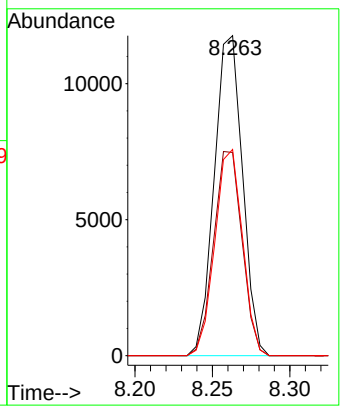


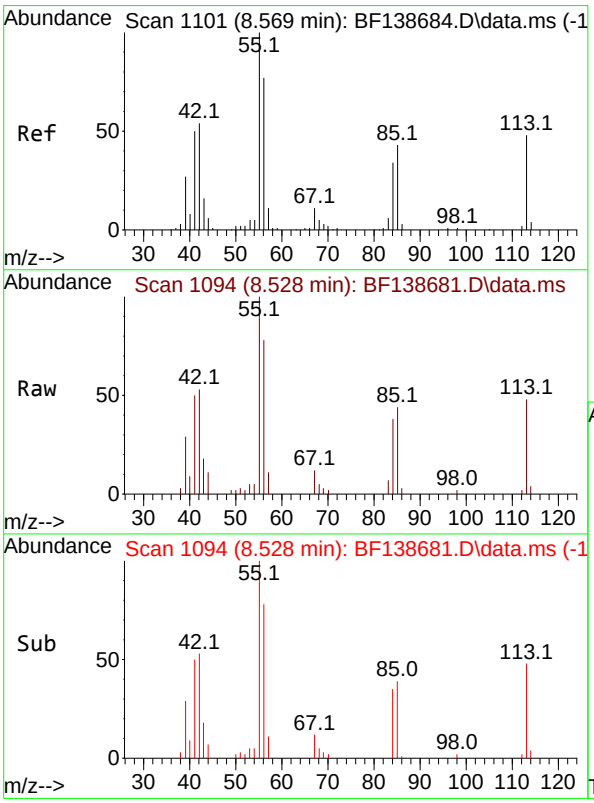
#34
Hexachlorobutadiene
Concen: 5.337 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

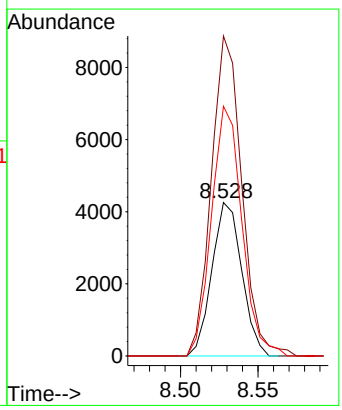


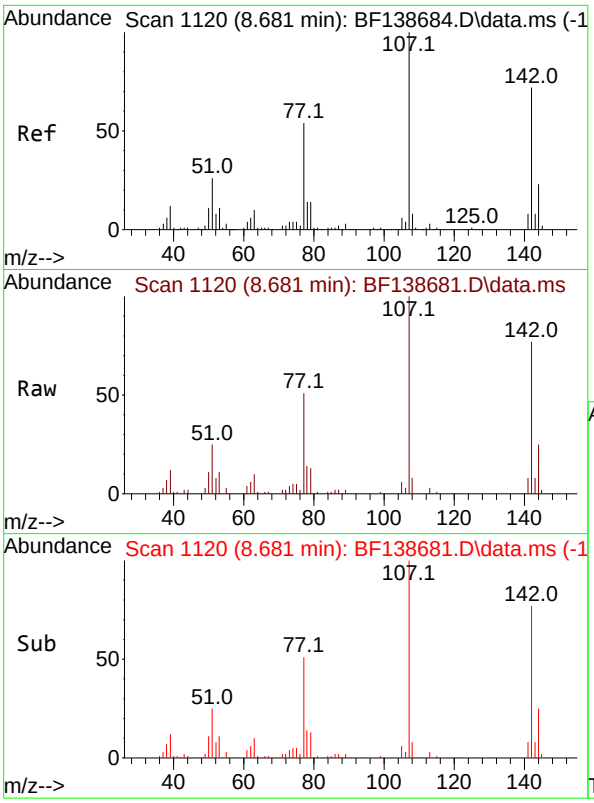


#35
Caprolactam
Concen: 4.763 ng
RT: 8.528 min Scan# 1094
Delta R.T. -0.041 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



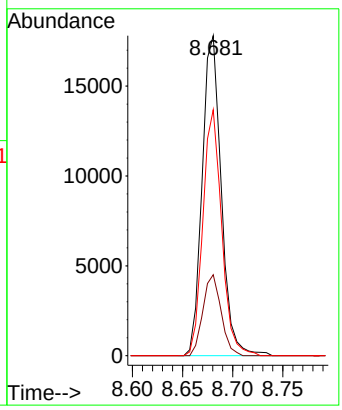


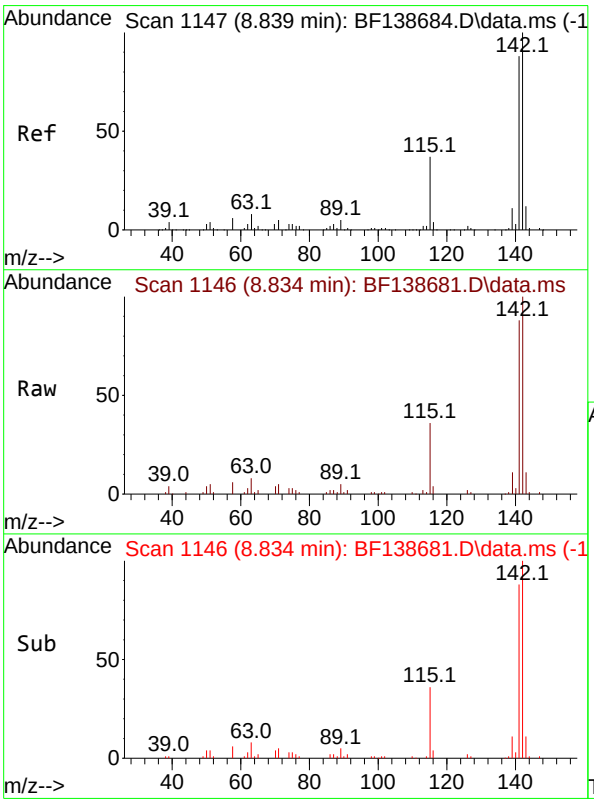
#36
4-Chloro-3-methylphenol
Concen: 5.173 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

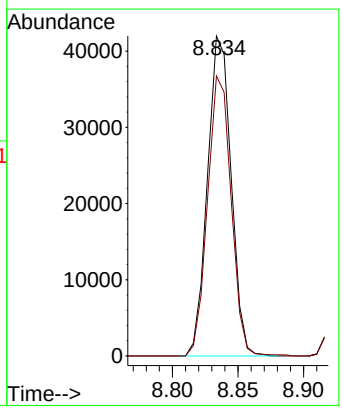


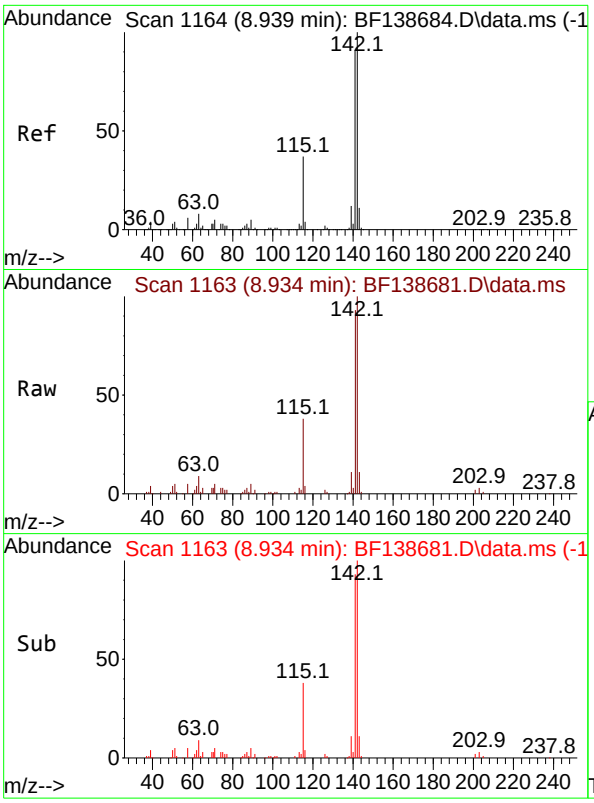


#37
2-Methylnaphthalene
Concen: 5.439 ng
RT: 8.834 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:142 Resp: 52614

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2



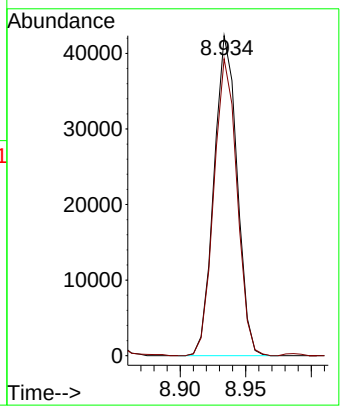


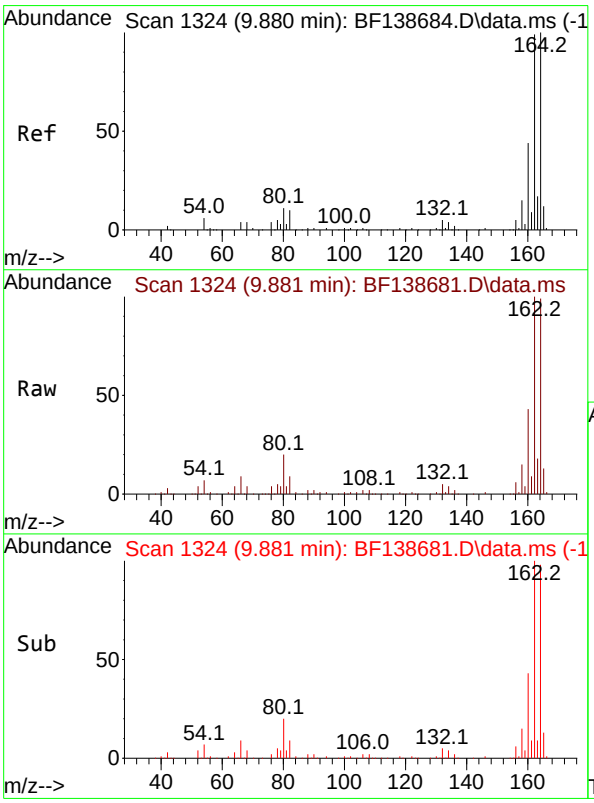
#38
1-Methylnaphthalene
Concen: 5.470 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 51855

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.1	109.7

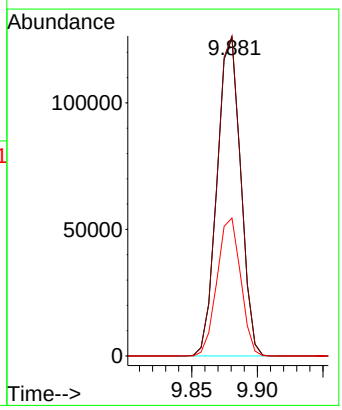


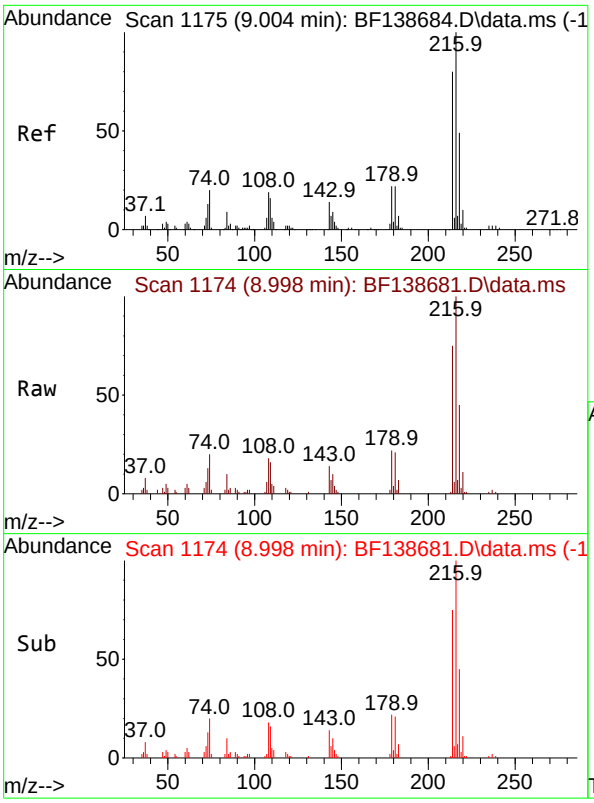


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



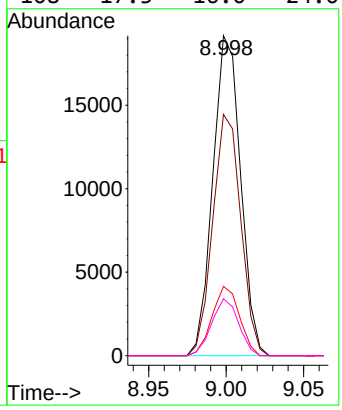


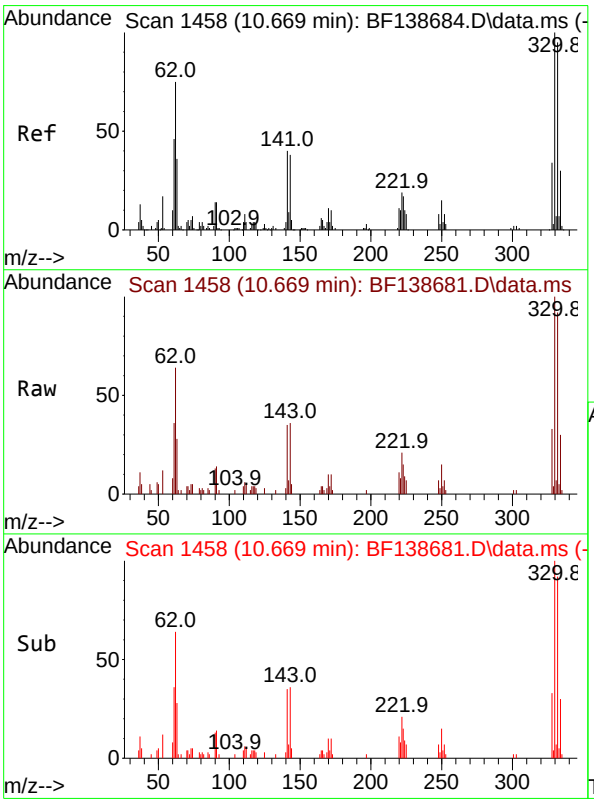
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.456 ng
RT: 8.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

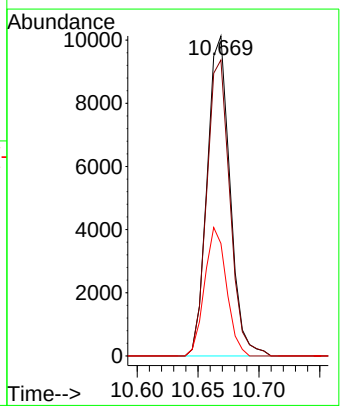


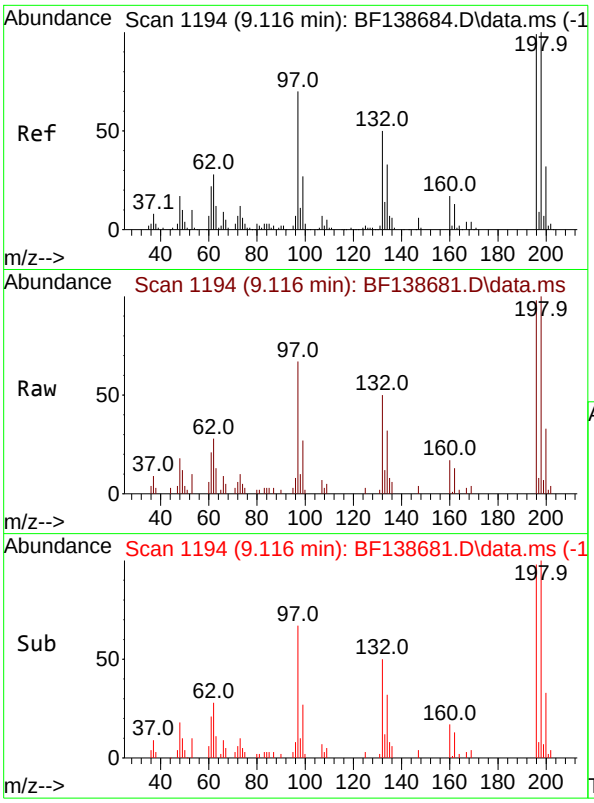


#42
2,4,6-Tribromophenol
Concen: 10.260 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



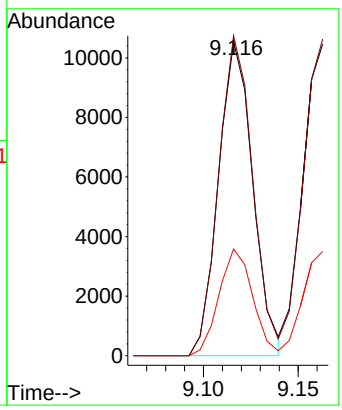


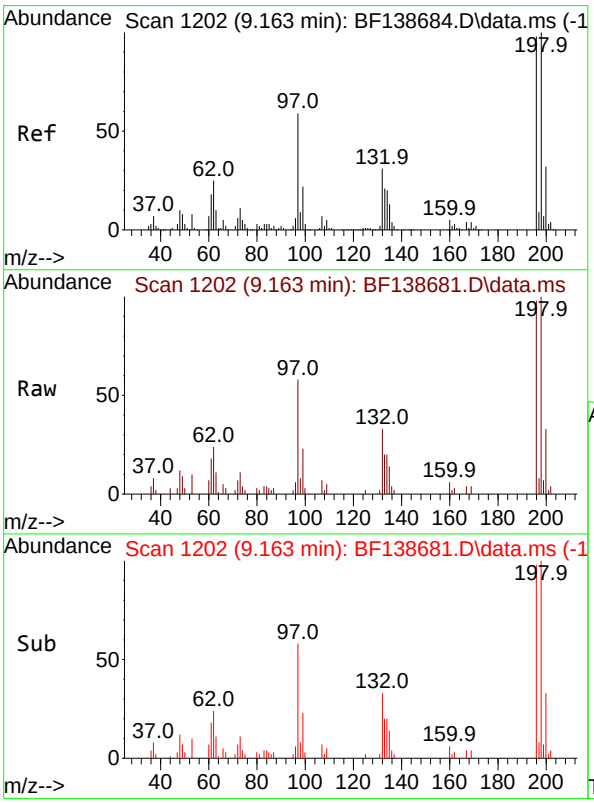
#43
2,4,6-Trichlorophenol
Concen: 4.994 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

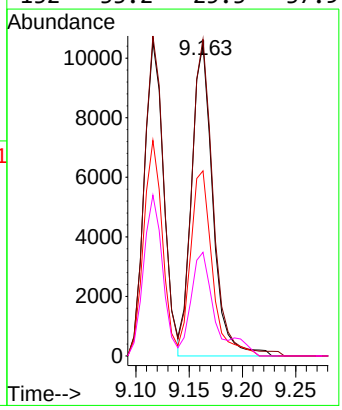


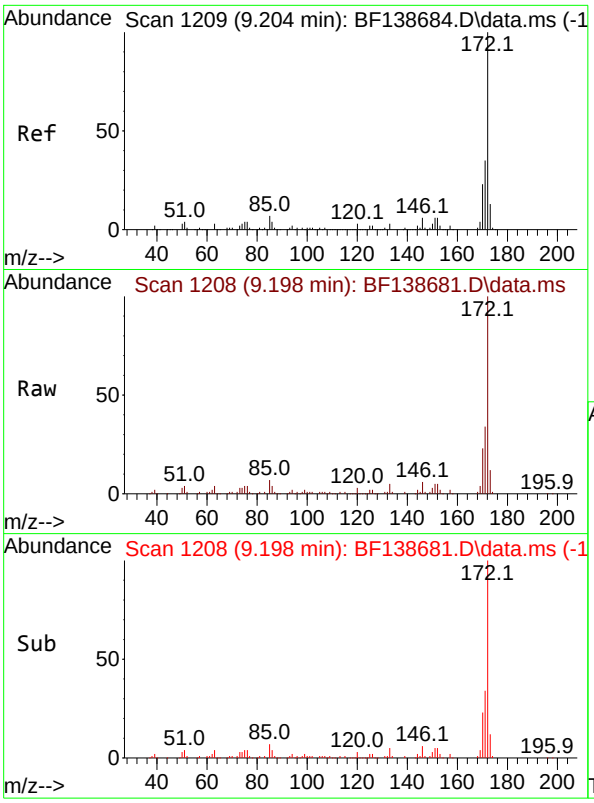


#44
2,4,5-Trichlorophenol
Concen: 4.972 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



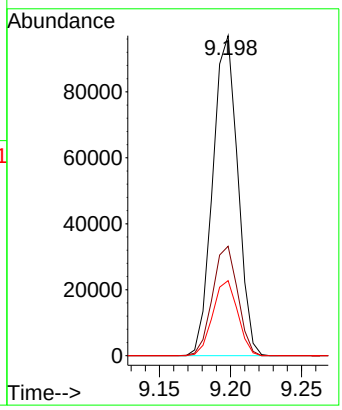


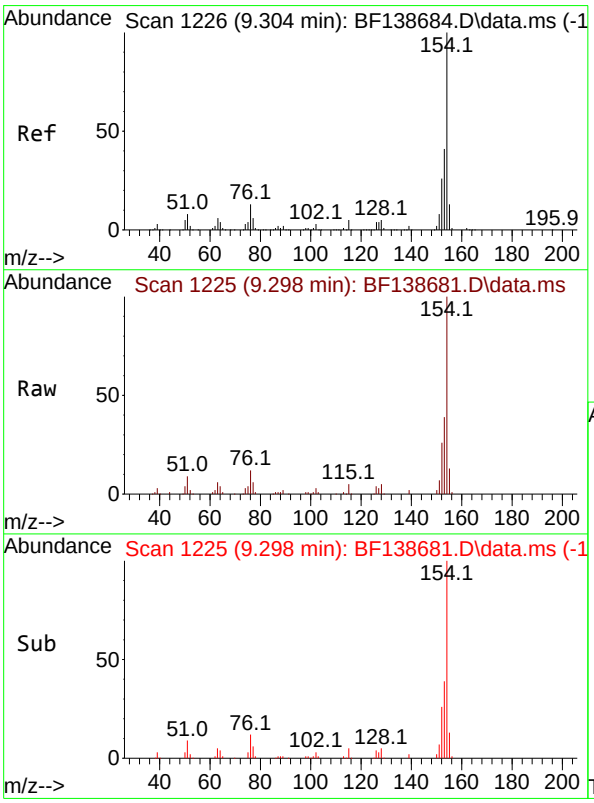
#45
2-Fluorobiphenyl
Concen: 11.357 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

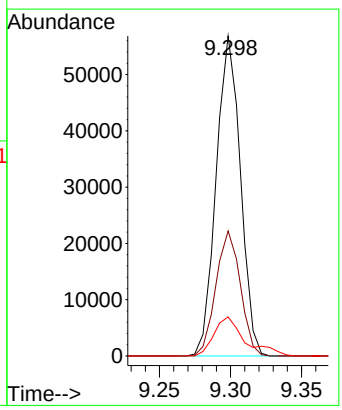


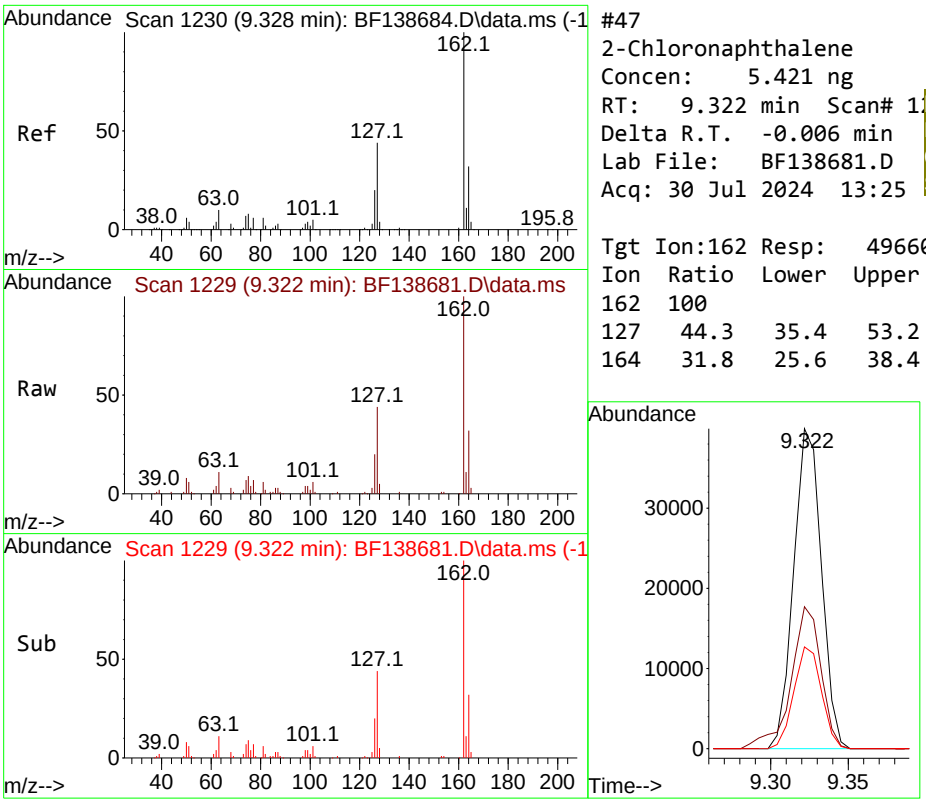


#46
1,1'-Biphenyl
Concen: 5.471 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



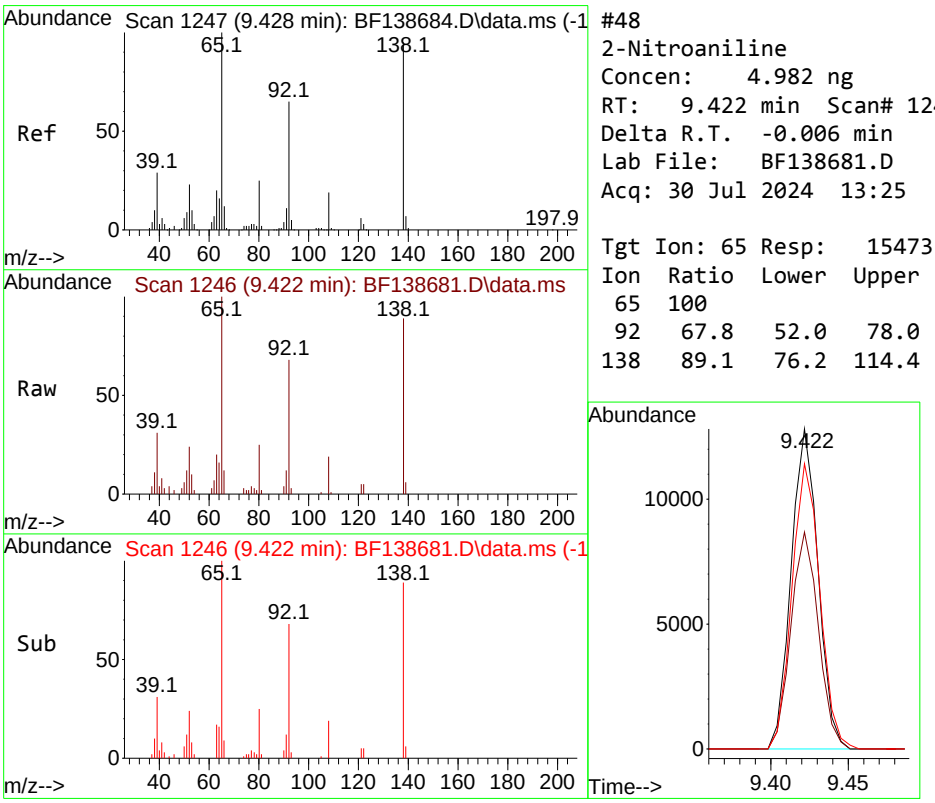


#47
2-Chloronaphthalene
Concen: 5.421 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 49660

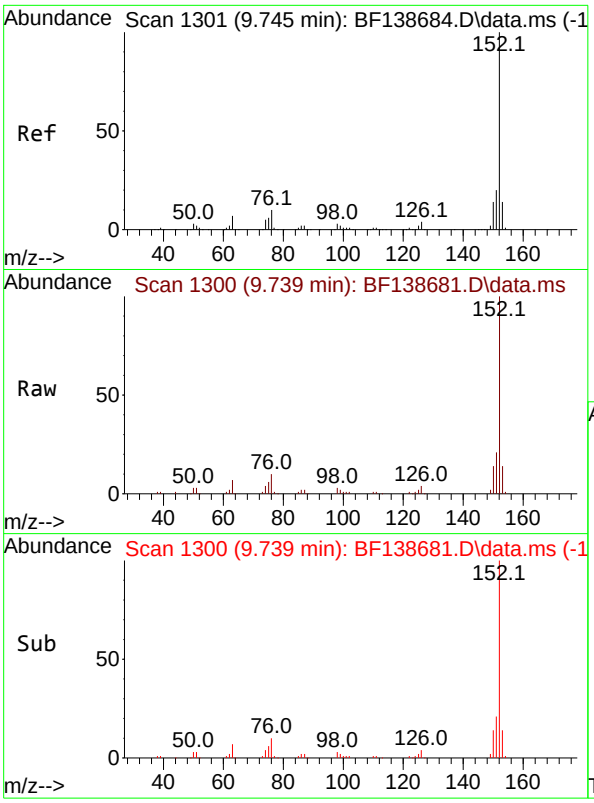
Ion	Ratio	Lower	Upper
162	100		
127	44.3	35.4	53.2
164	31.8	25.6	38.4



#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

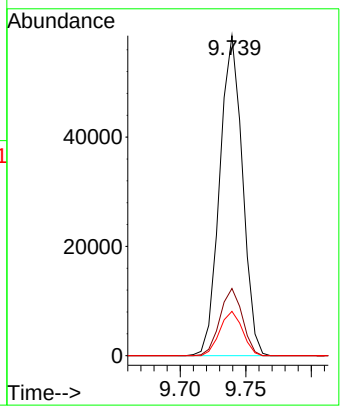


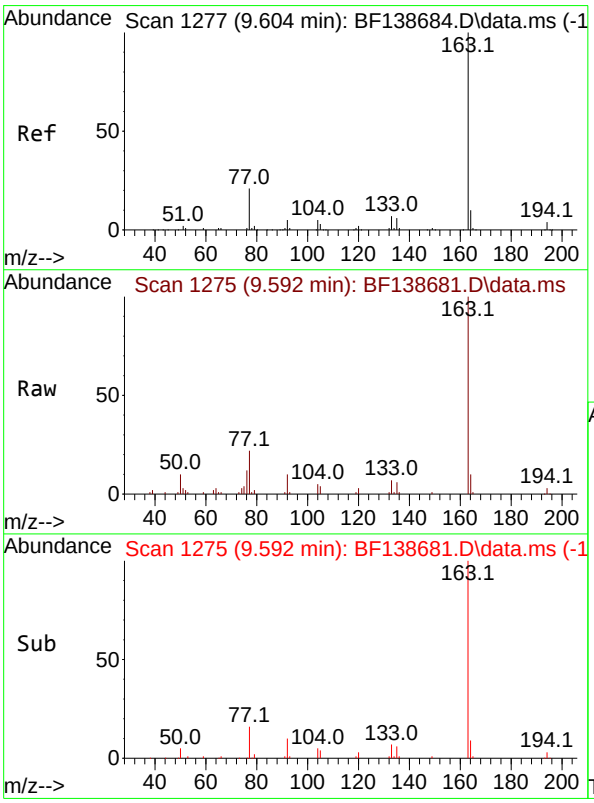
#49
Acenaphthylene
Concen: 5.435 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

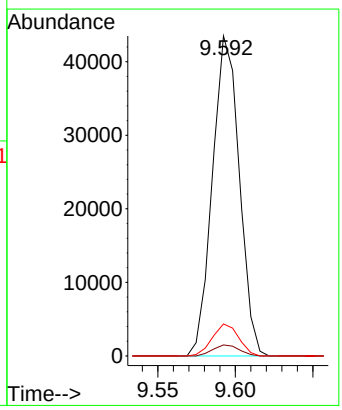


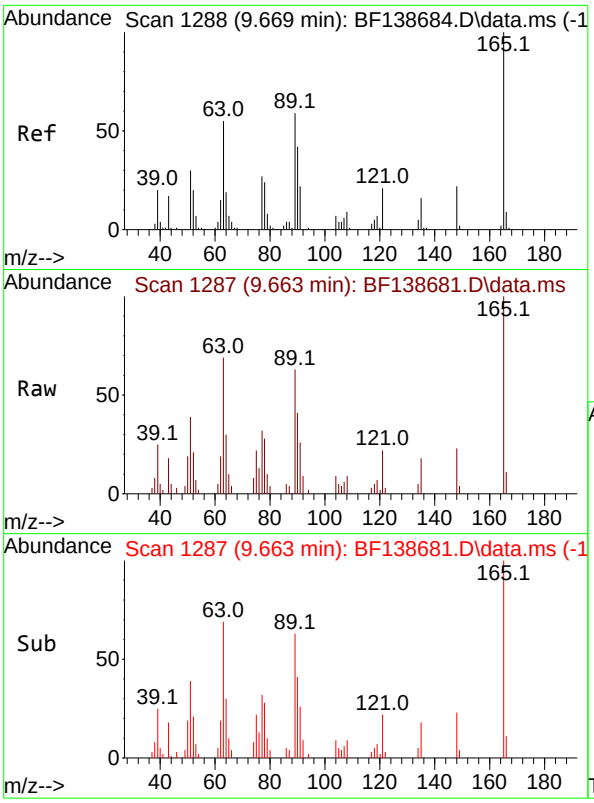


#50
Dimethylphthalate
Concen: 5.223 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



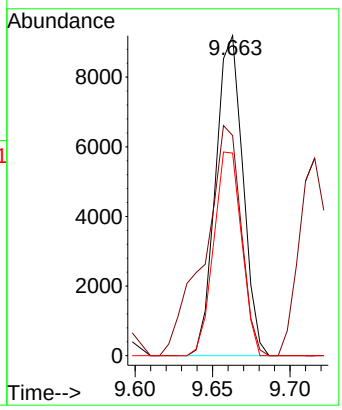


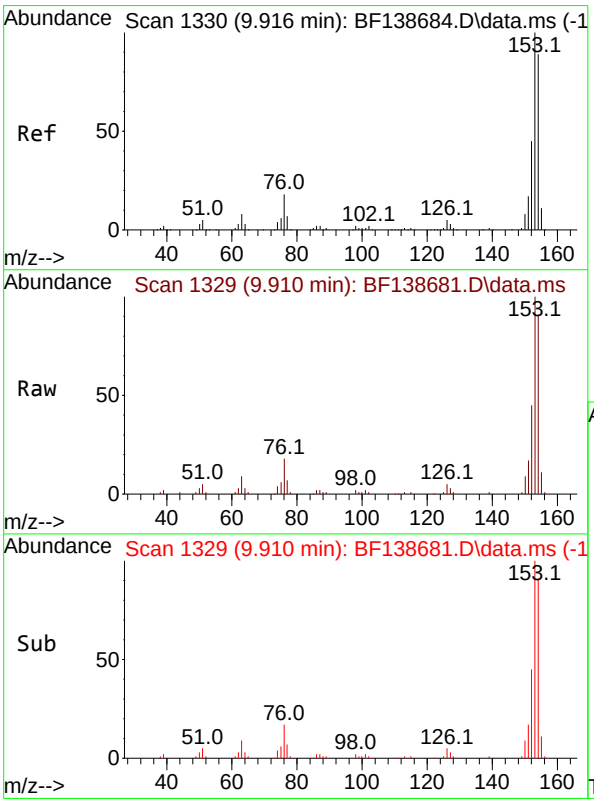
#51
2,6-Dinitrotoluene
Concen: 4.963 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

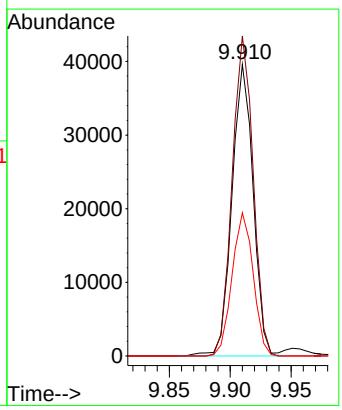


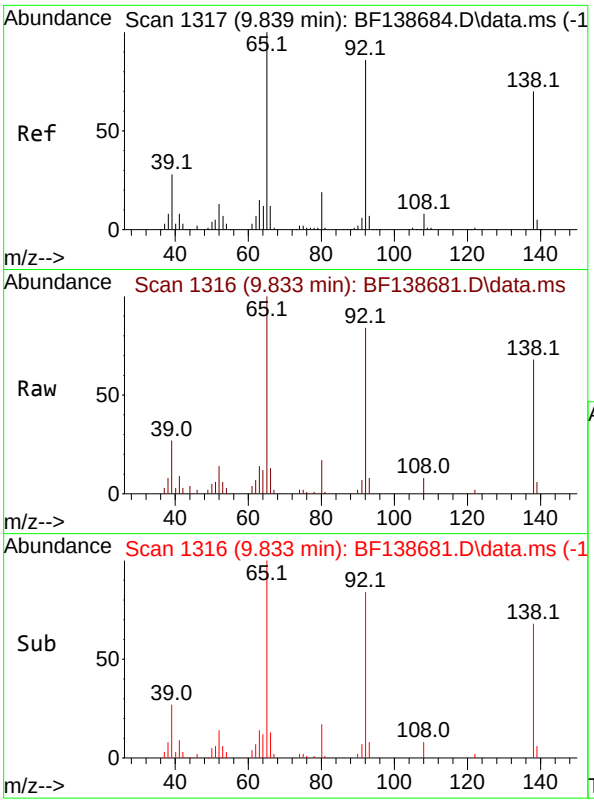


#52
Acenaphthene
Concen: 5.480 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



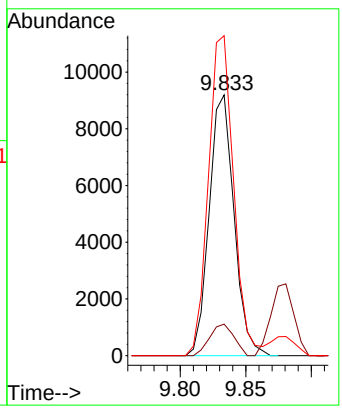


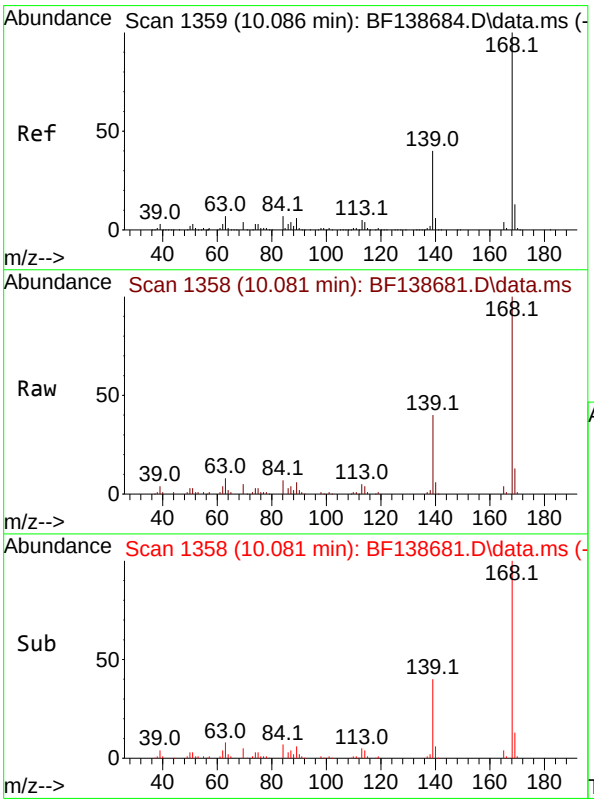
#53
3-Nitroaniline
Concen: 5.167 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

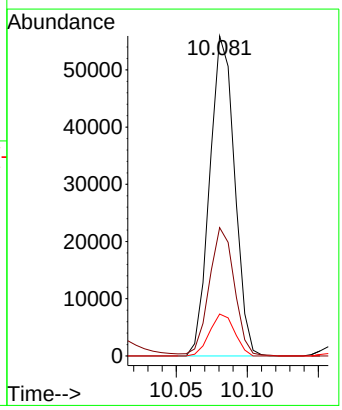


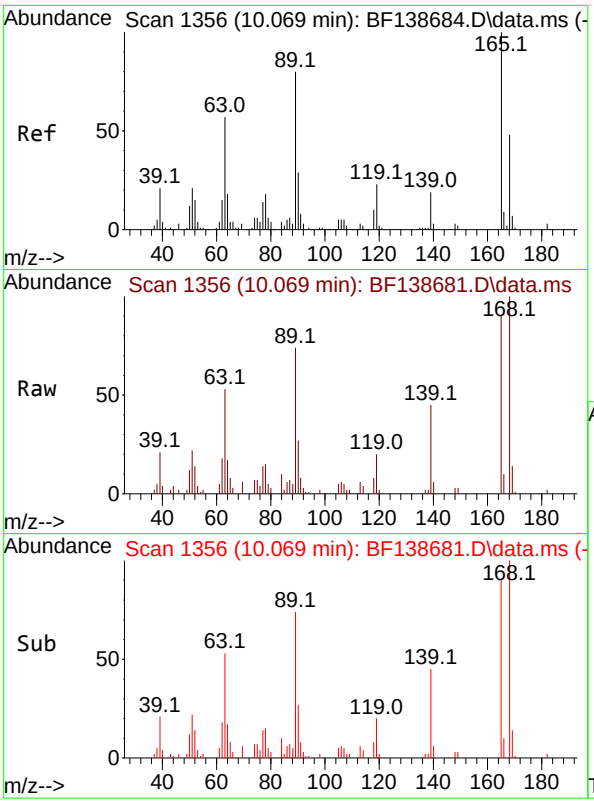


#55
Dibenzofuran
Concen: 5.515 ng
RT: 10.081 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



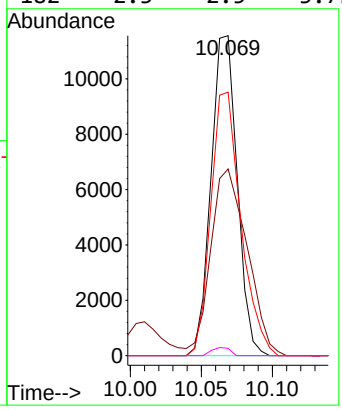


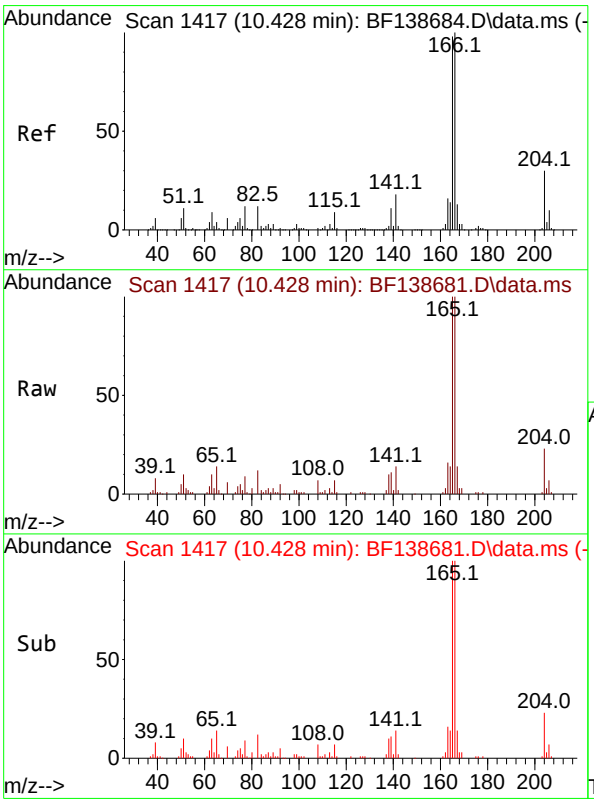
#57
2,4-Dinitrotoluene
Concen: 5.117 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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#

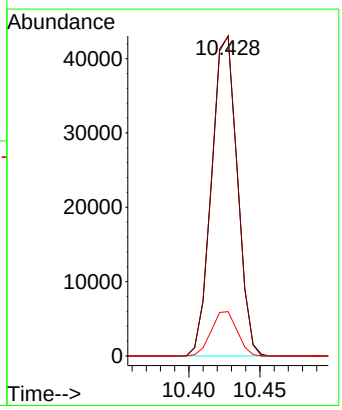


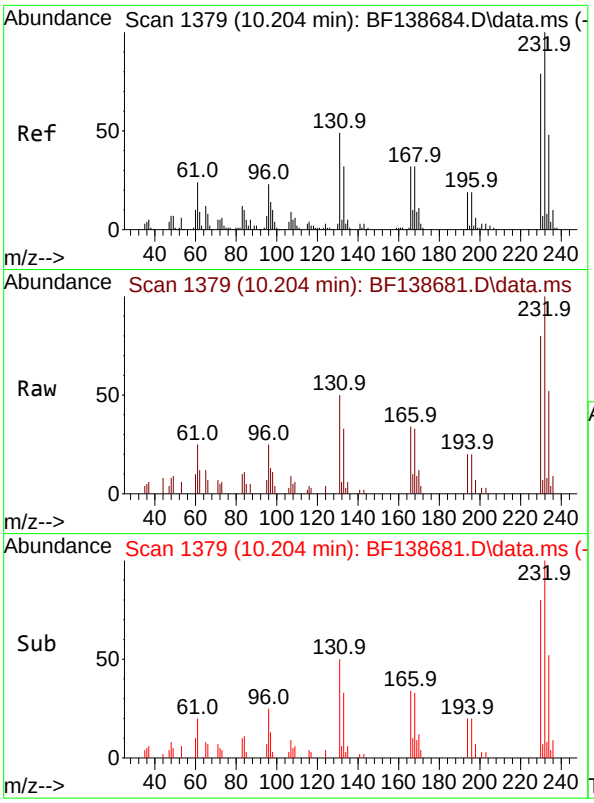


#58
Fluorene
Concen: 5.504 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



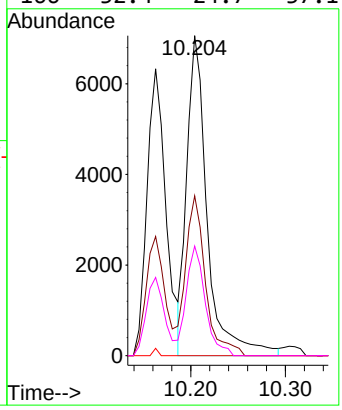


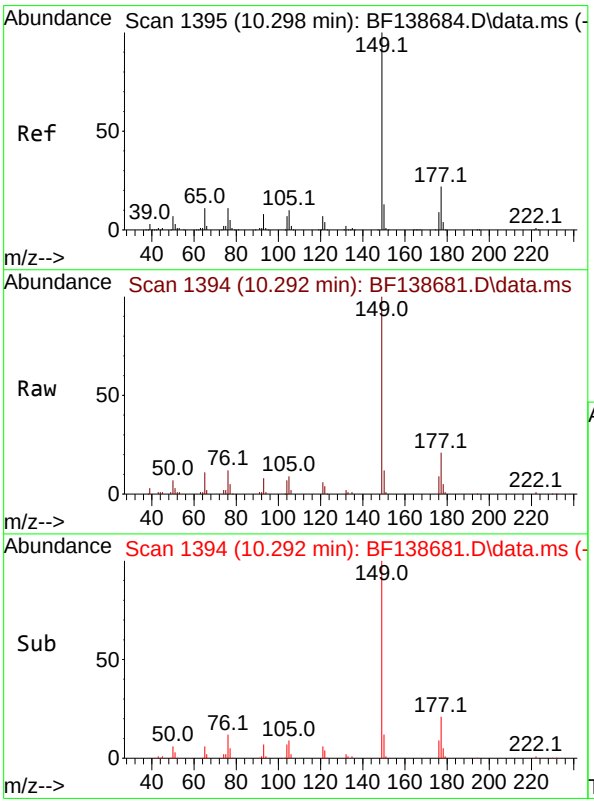
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.765 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

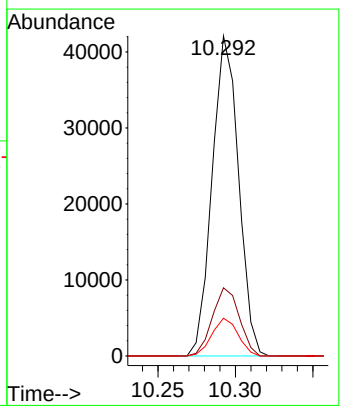


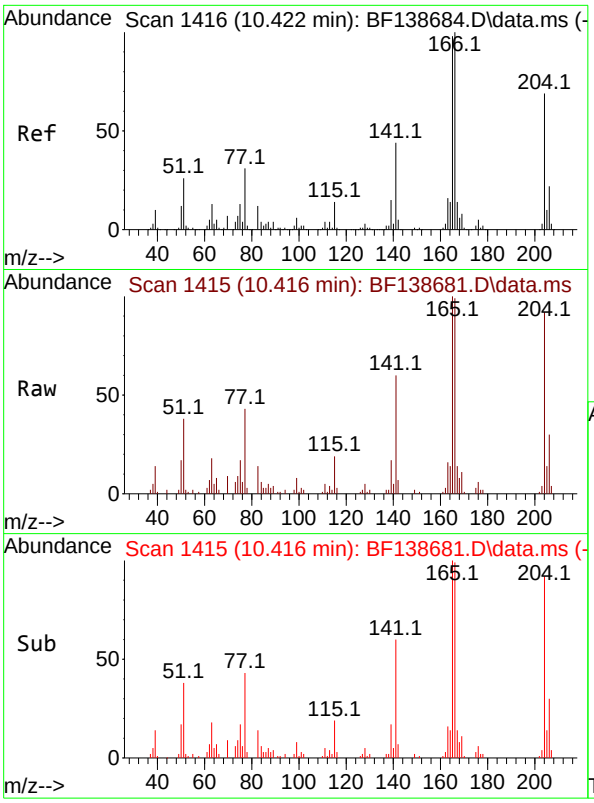


#60
Diethylphthalate
Concen: 5.228 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



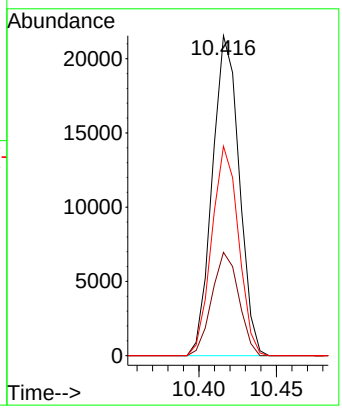


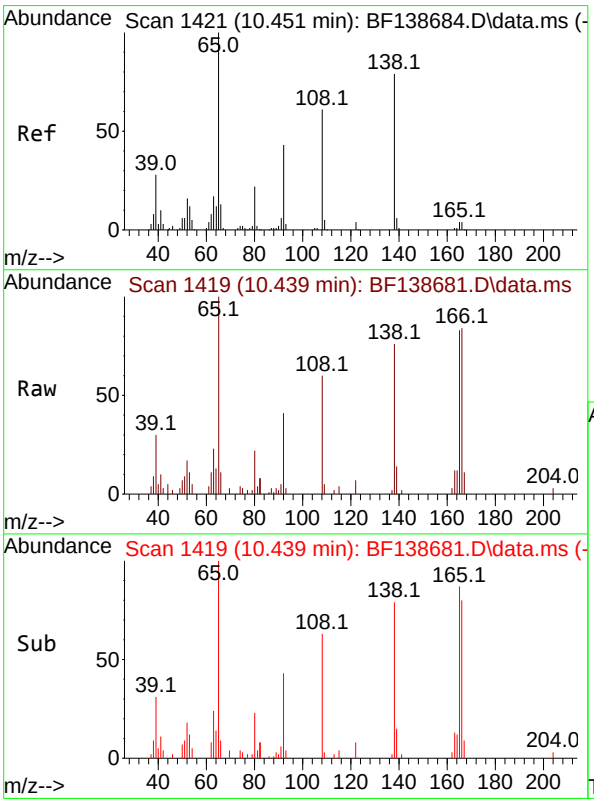
#61
4-Chlorophenyl-phenylether
Concen: 5.389 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

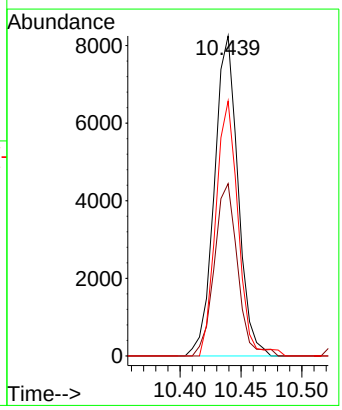


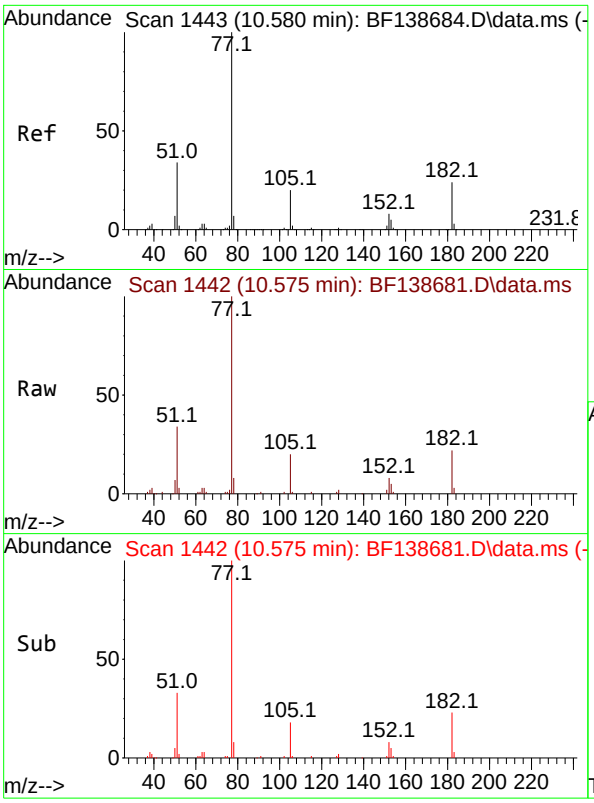


#62
4-Nitroaniline
Concen: 5.004 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



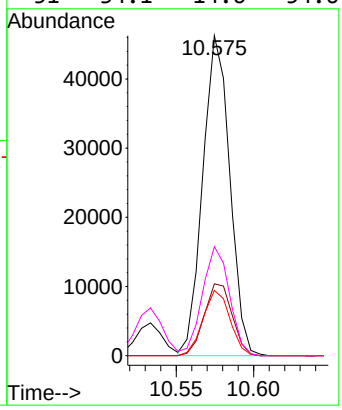


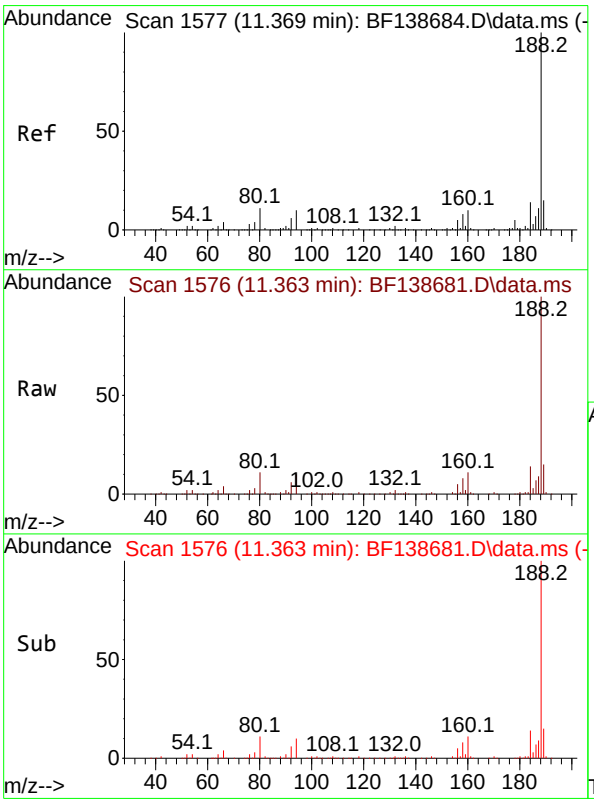
#63
Azobenzene
Concen: 5.304 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

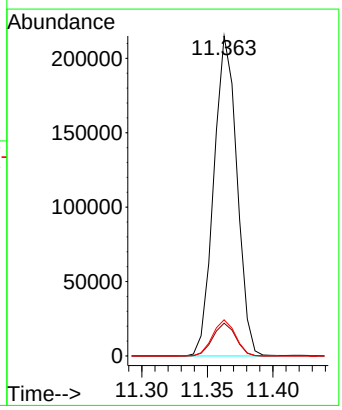


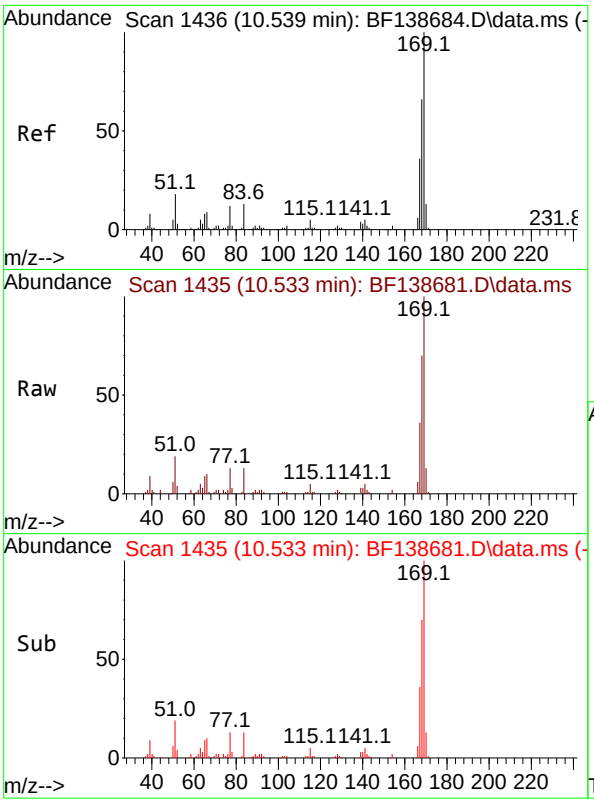


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



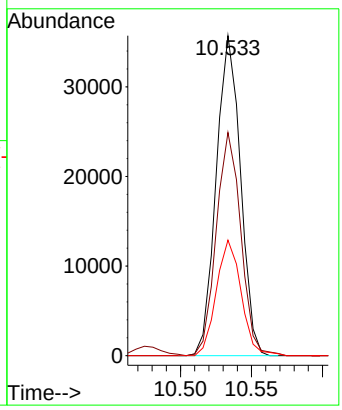


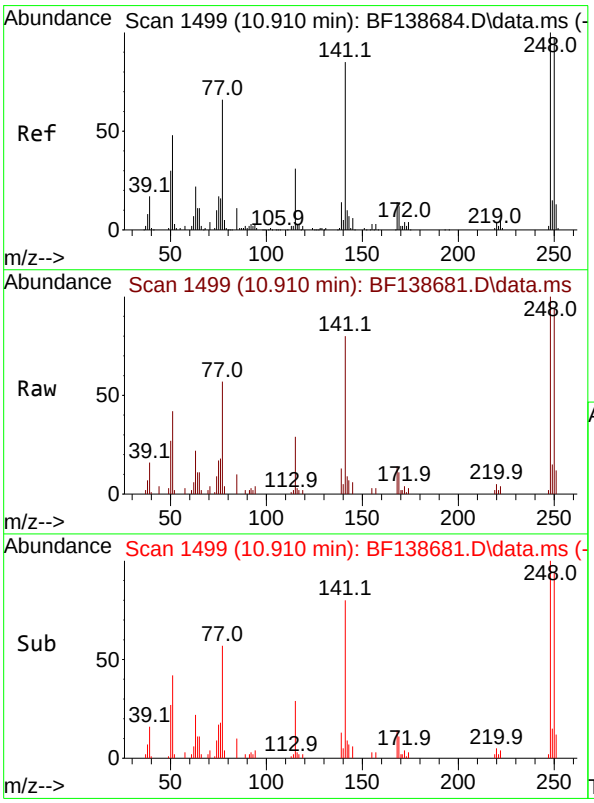
#66
n-Nitrosodiphenylamine
Concen: 5.138 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

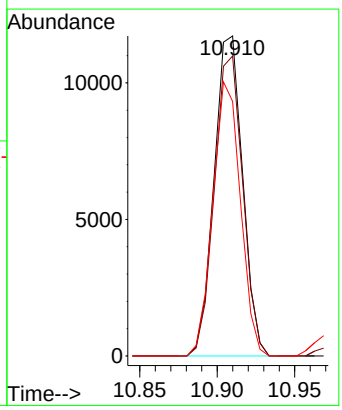


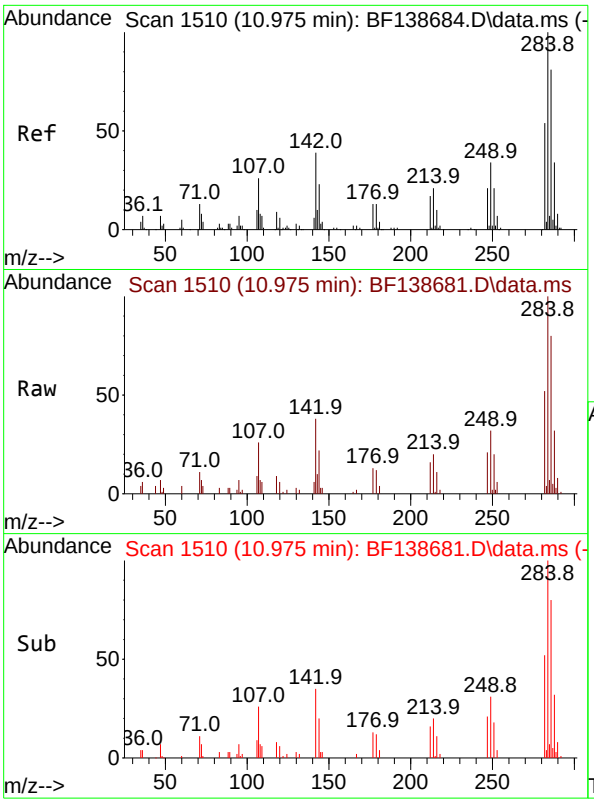


#67
4-Bromophenyl-phenylether
Concen: 5.246 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



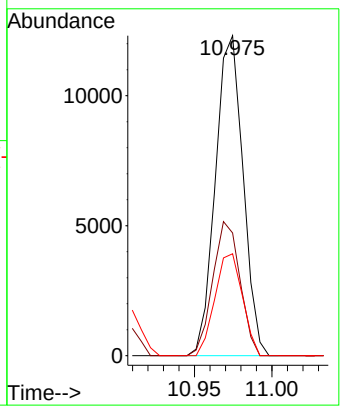


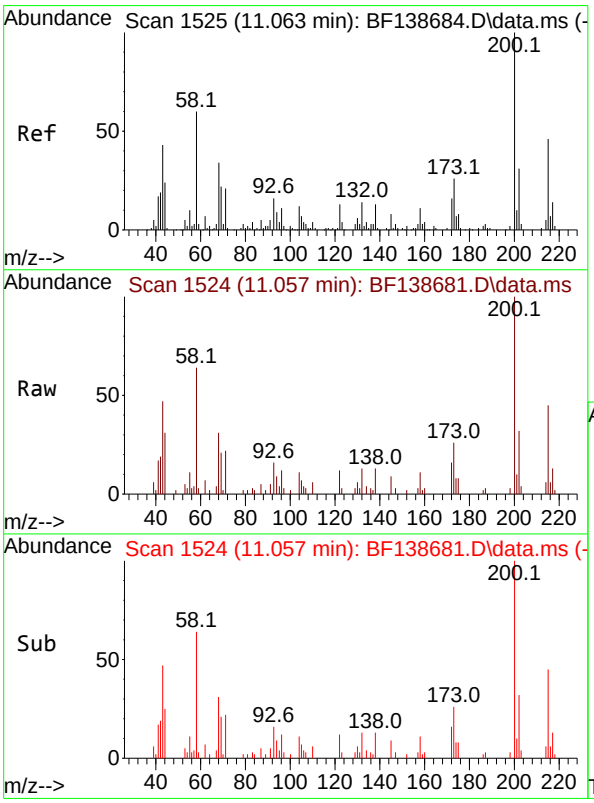
#68
Hexachlorobenzene
Concen: 5.173 ng
RT: 10.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

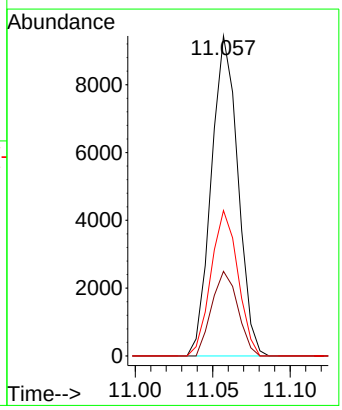


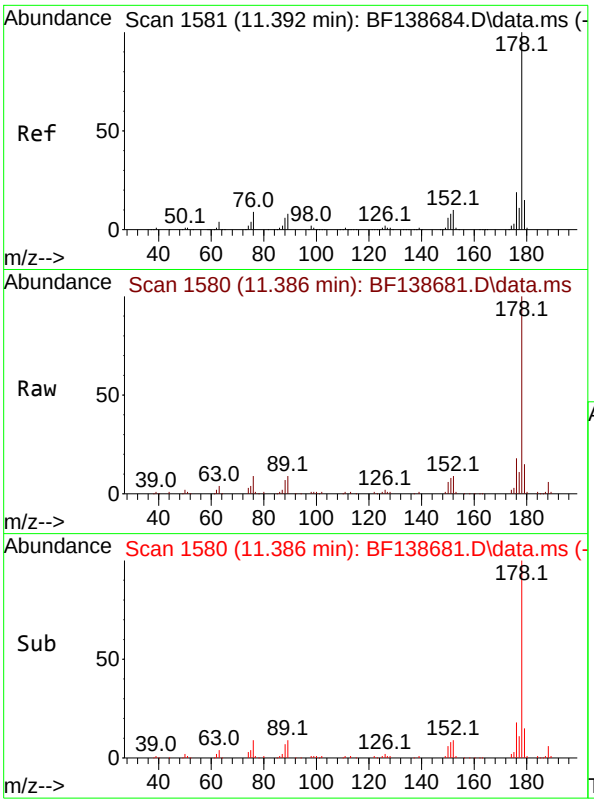


#69
Atrazine
Concen: 5.286 ng
RT: 11.057 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



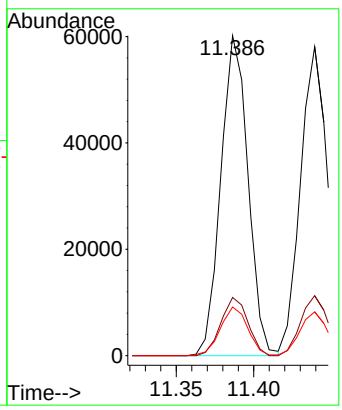


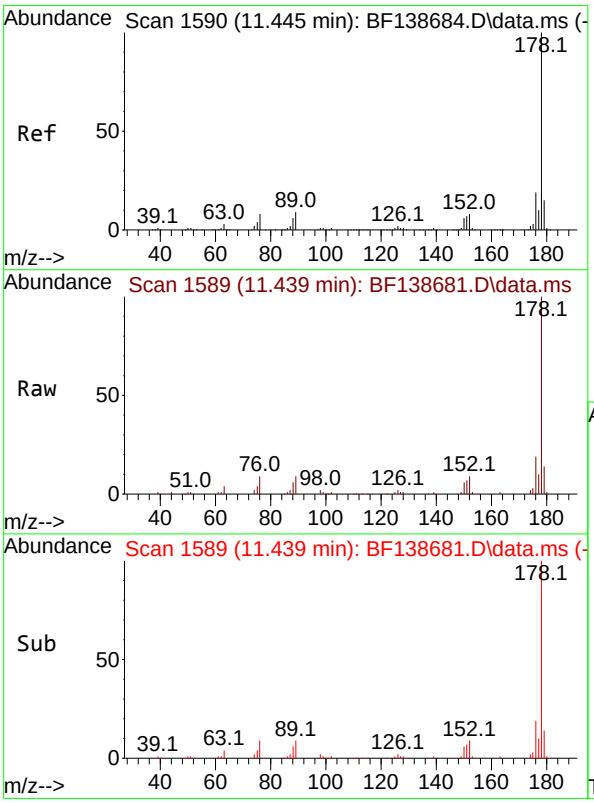
#71
Phenanthrene
Concen: 5.401 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

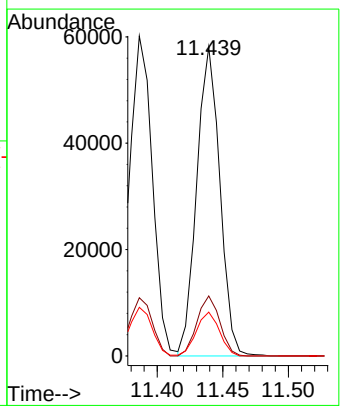


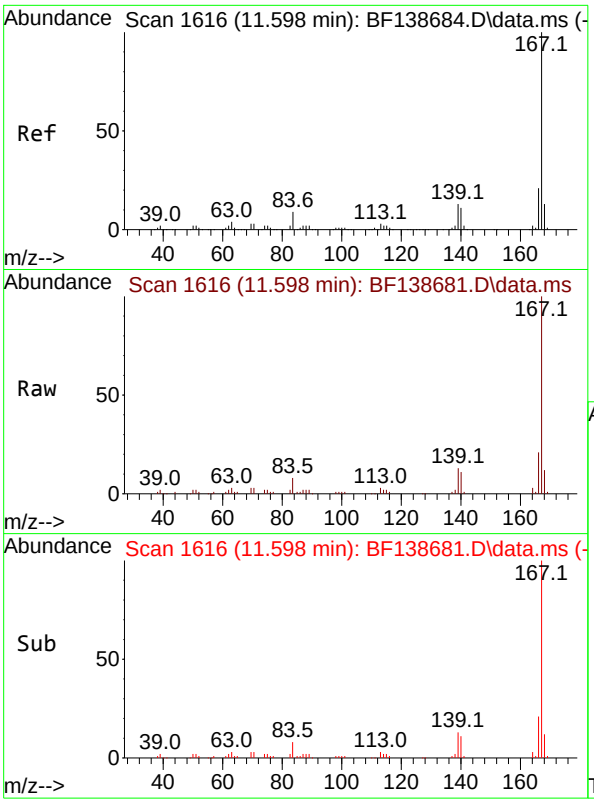


#72
Anthracene
Concen: 5.332 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



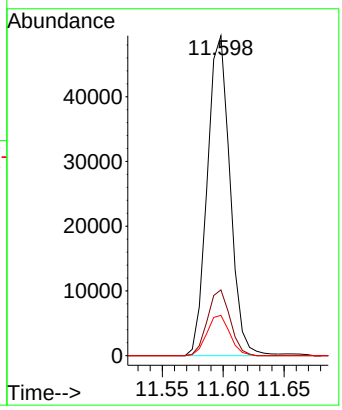


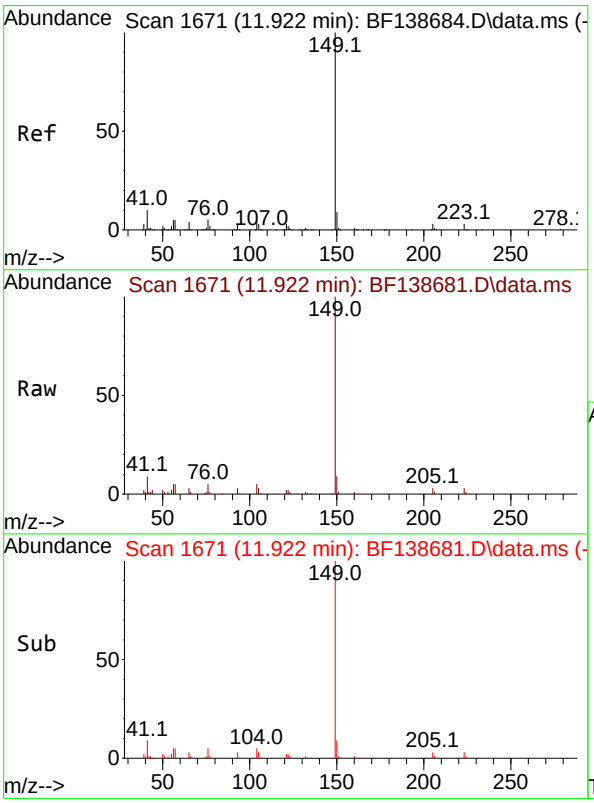
#73
Carbazole
Concen: 5.541 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

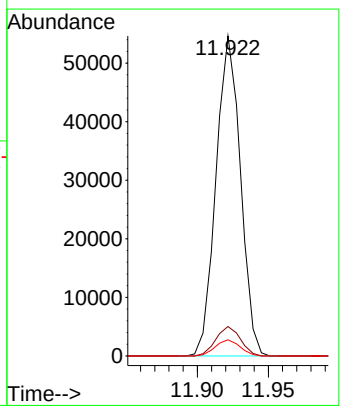


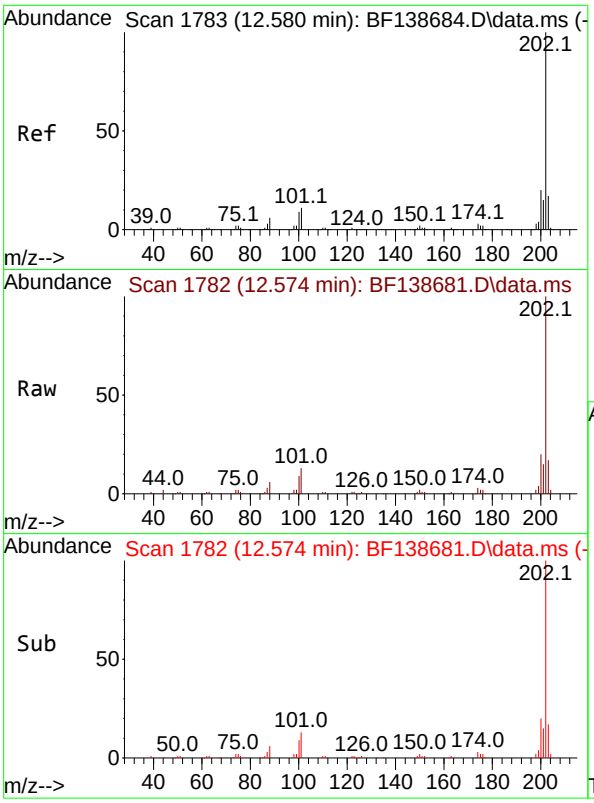


#74
Di-n-butylphthalate
Concen: 5.034 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



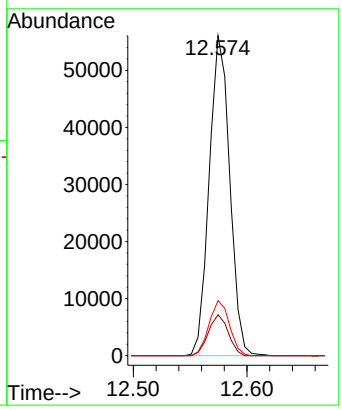


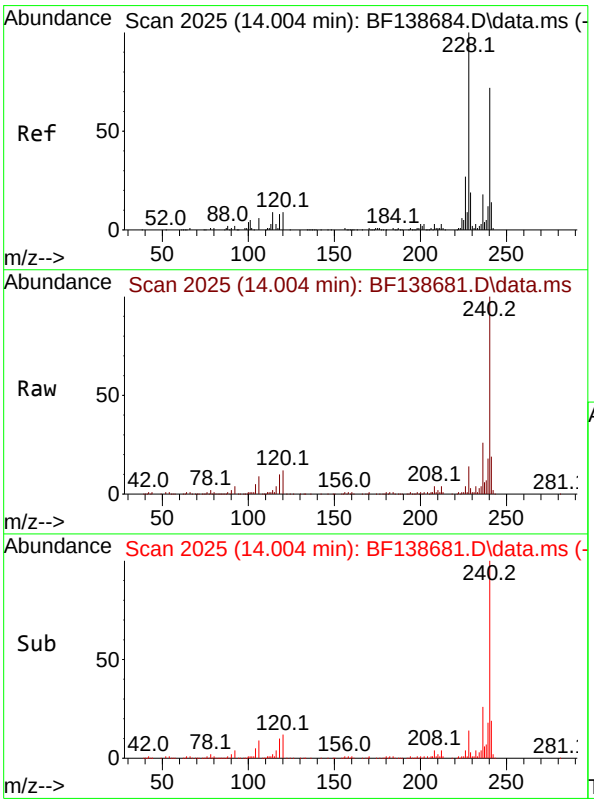
#75
Fluoranthene
Concen: 5.554 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

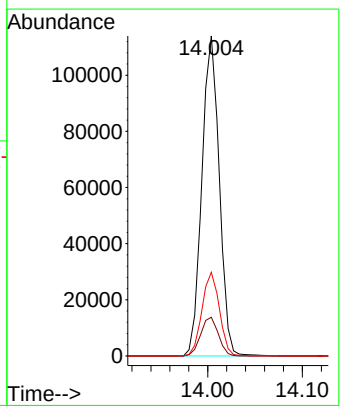


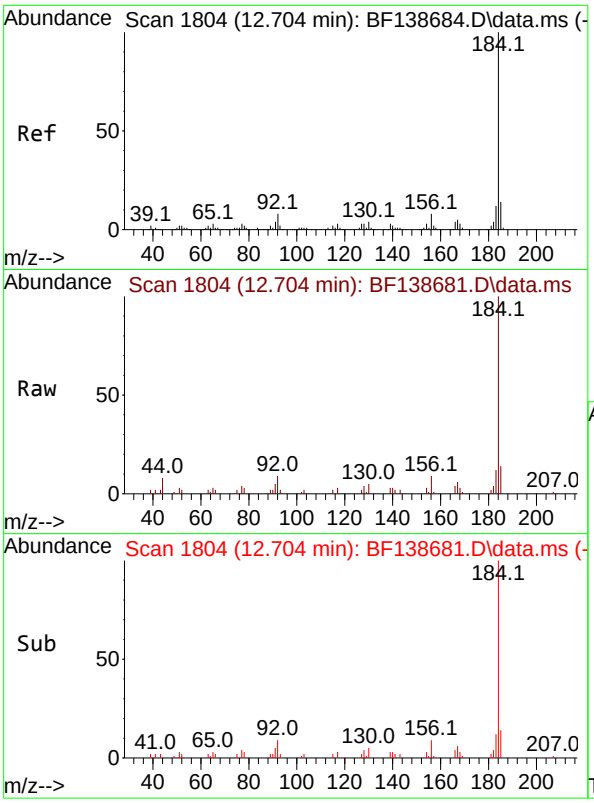


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



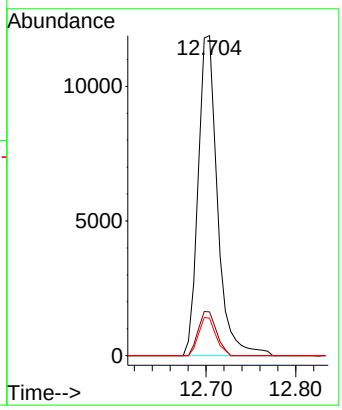


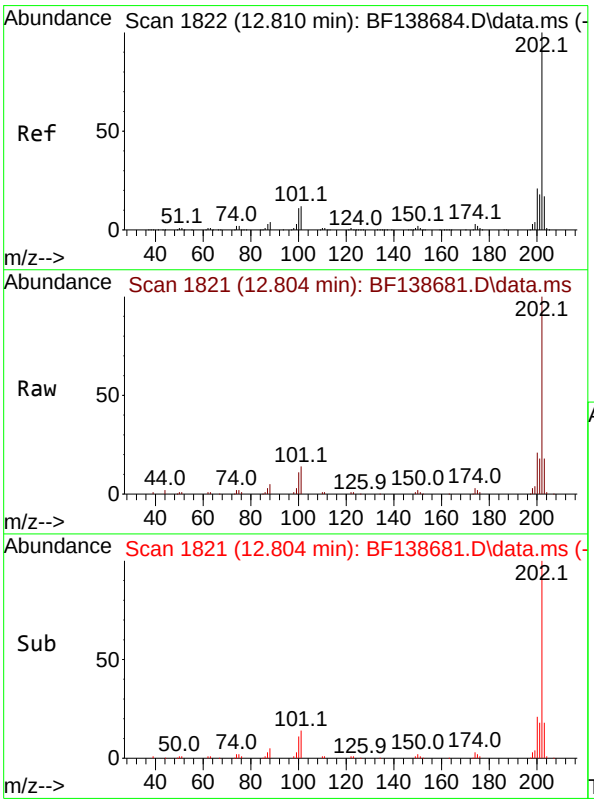
#77
Benzidine
Concen: 5.129 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

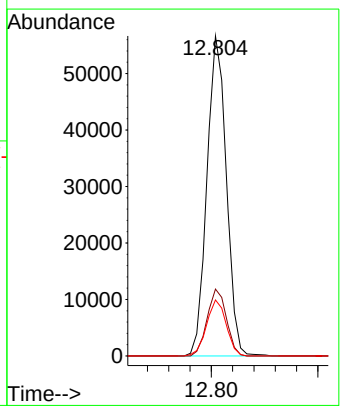


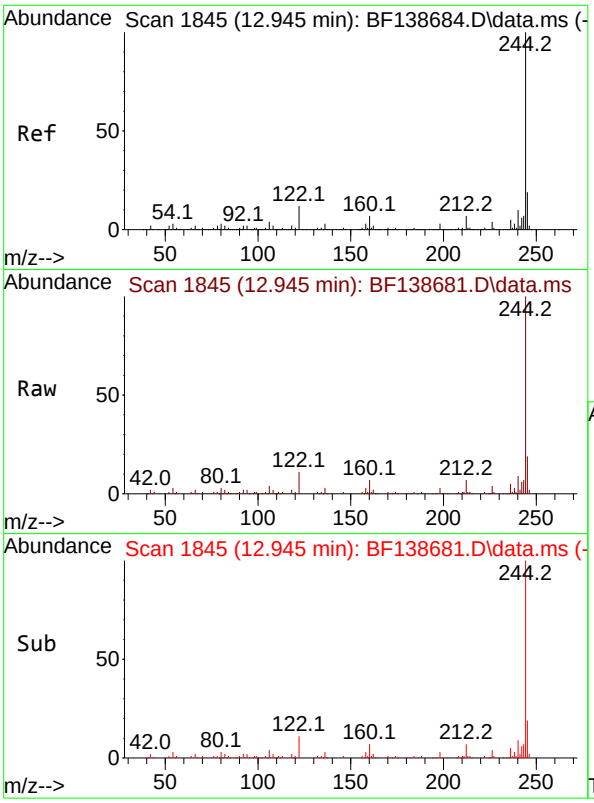


#78
Pyrene
Concen: 5.253 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



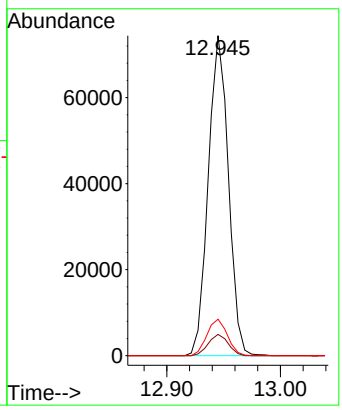


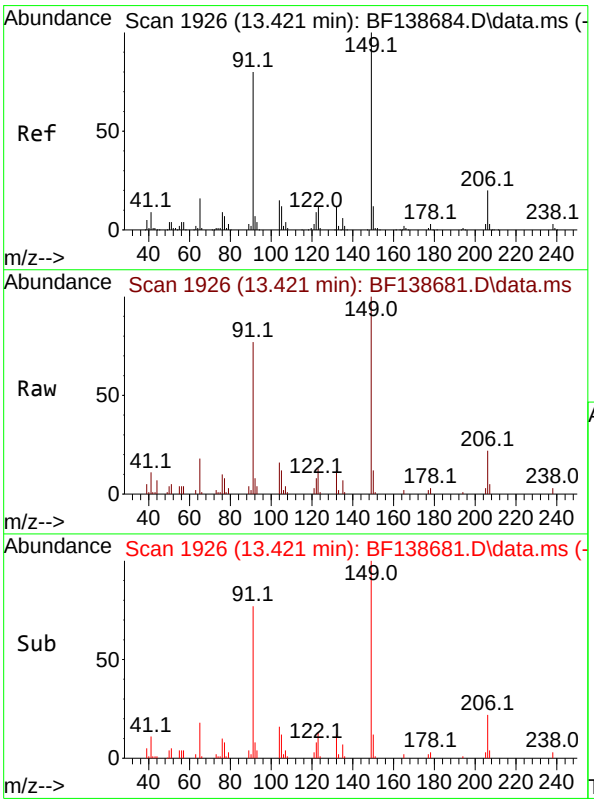
#79
Terphenyl-d14
Concen: 10.581 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

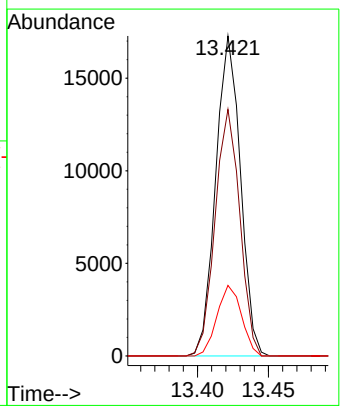


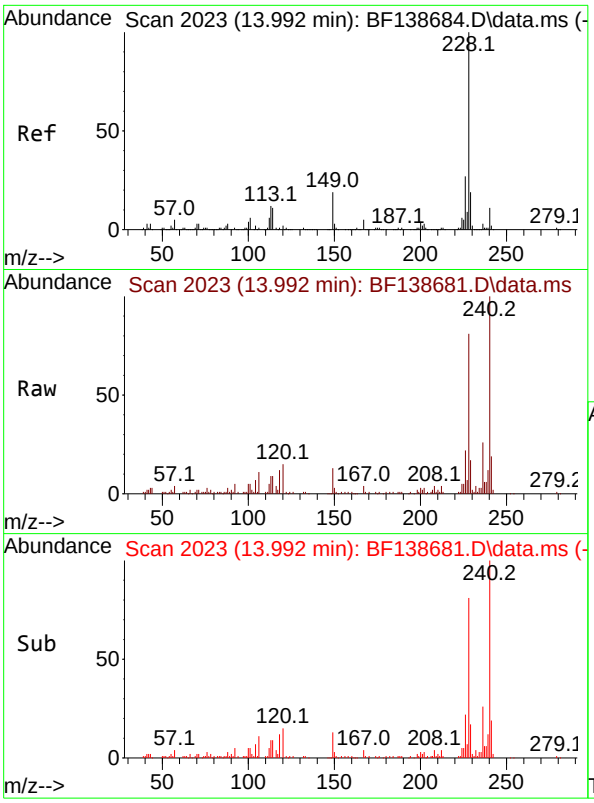


#80
Butylbenzylphthalate
Concen: 4.782 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



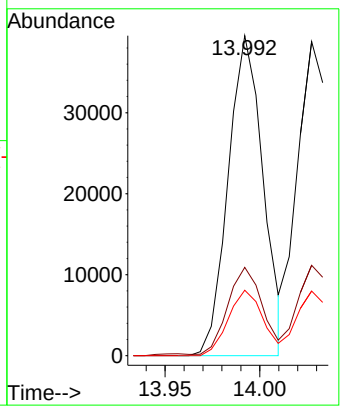


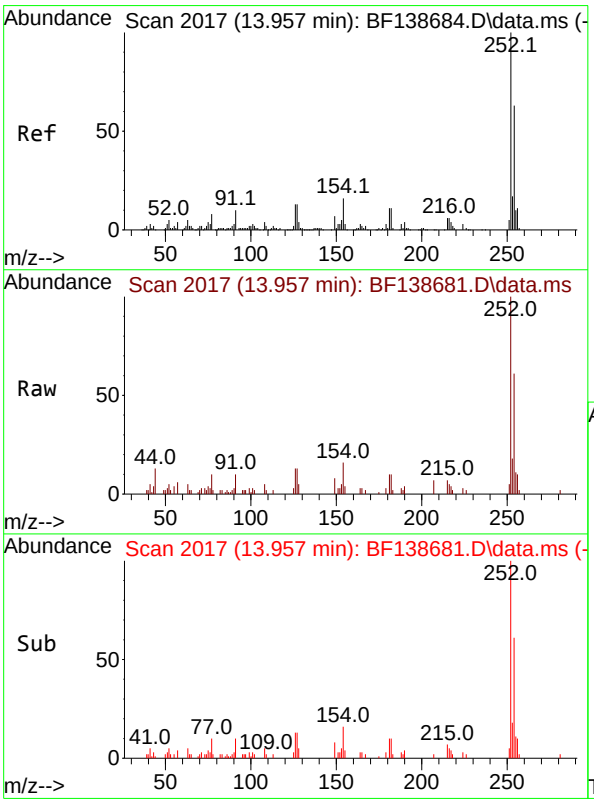
#81
Benzo(a)anthracene
Concen: 5.086 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

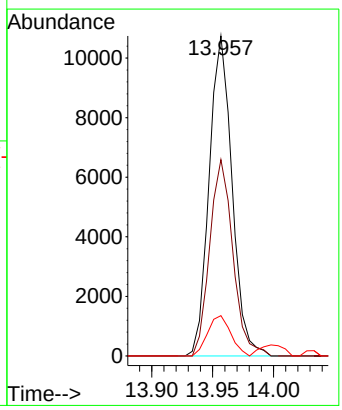


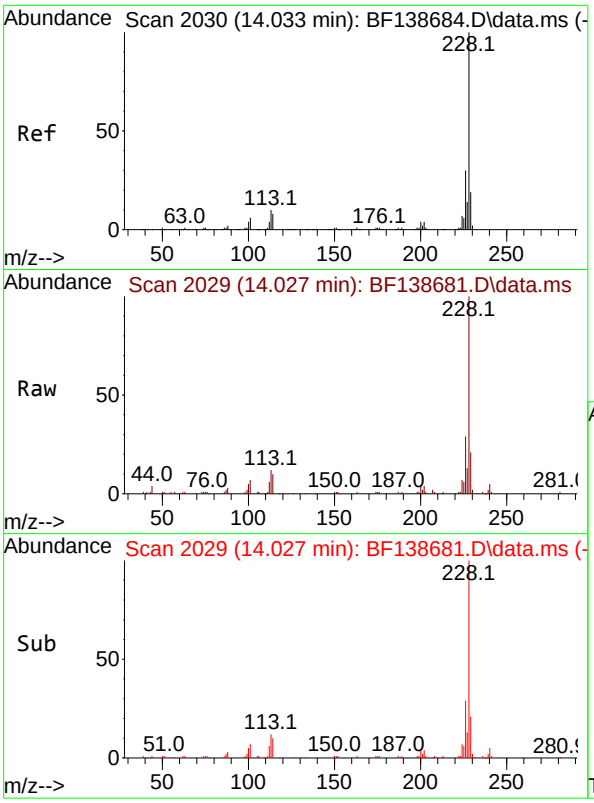


#82
3,3'-Dichlorobenzidine
Concen: 5.509 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



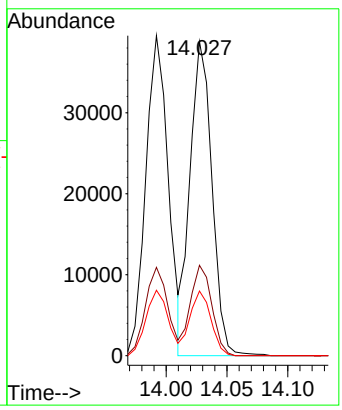


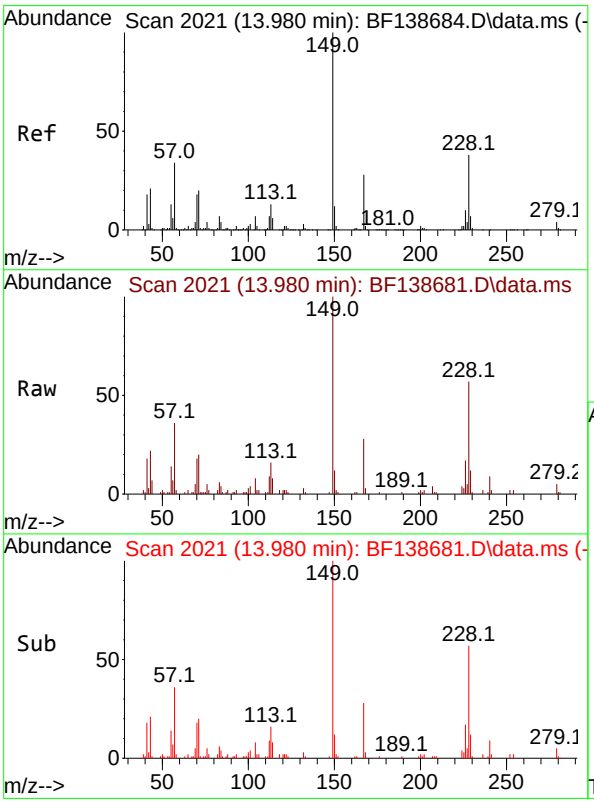
#83
Chrysene
Concen: 5.401 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

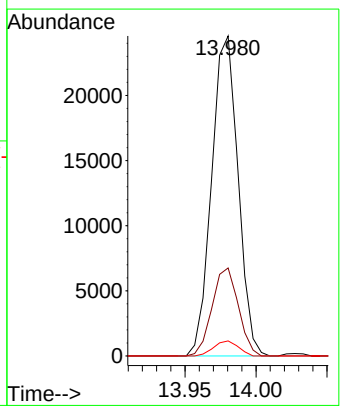


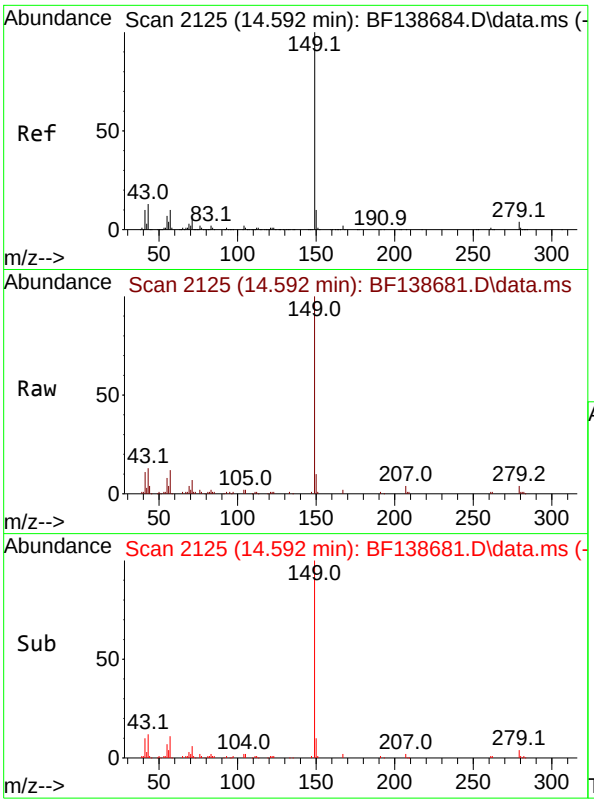


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.961 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



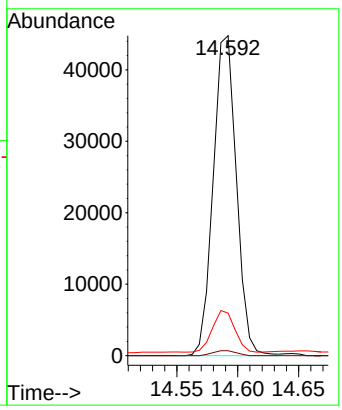


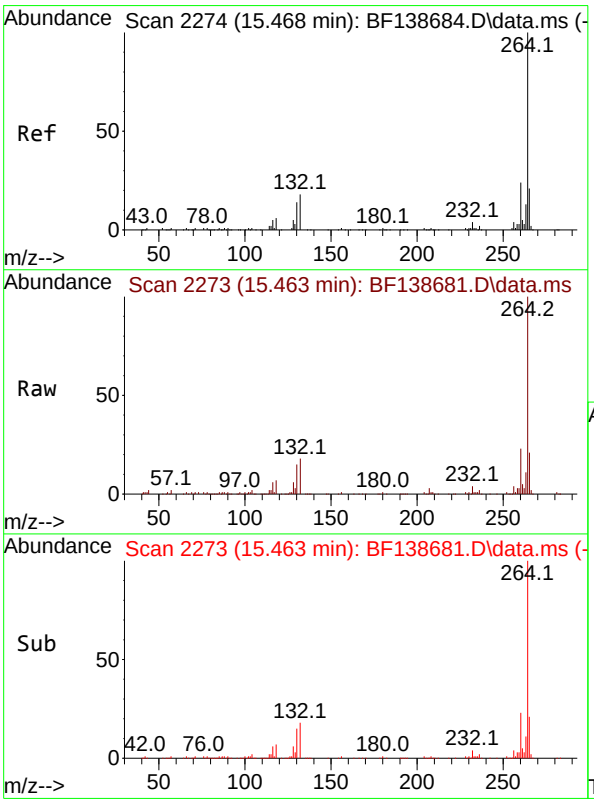
#85
Di-n-octyl phthalate
Concen: 5.011 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

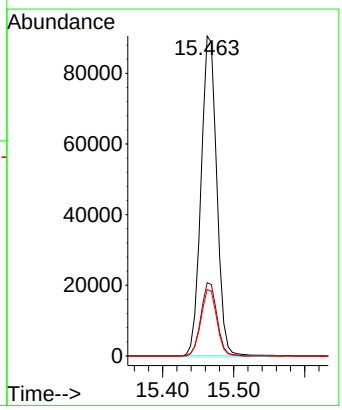


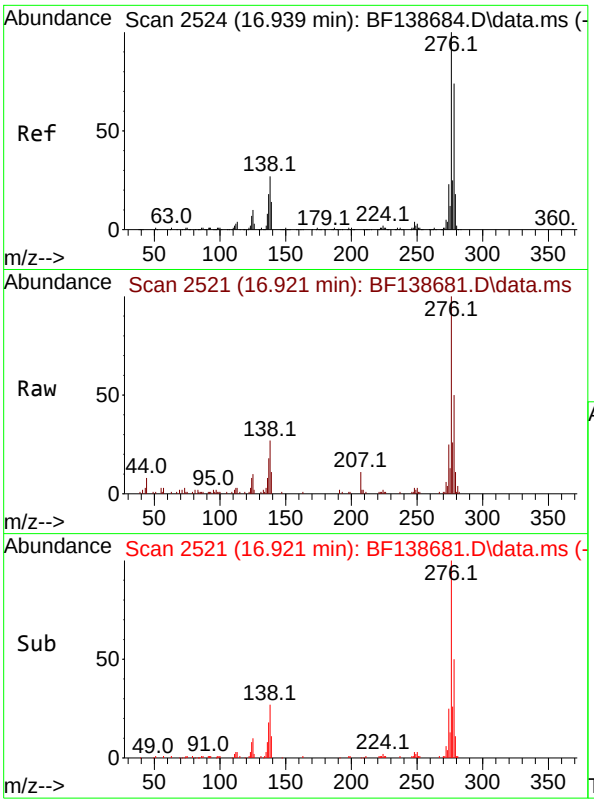


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



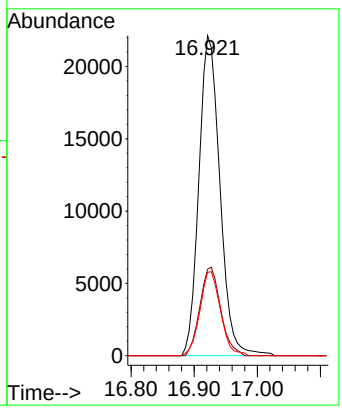


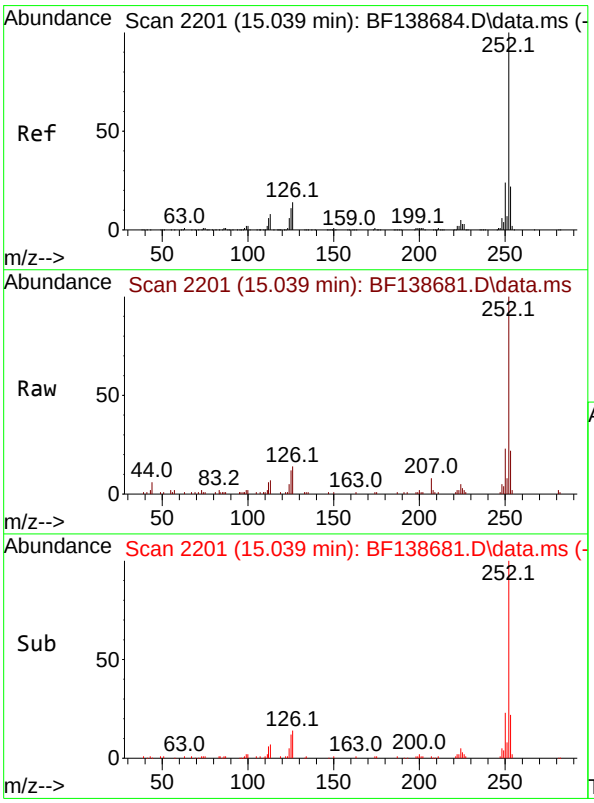
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.126 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

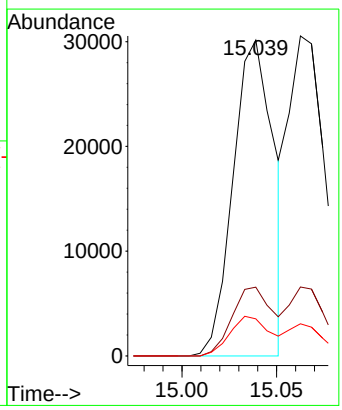


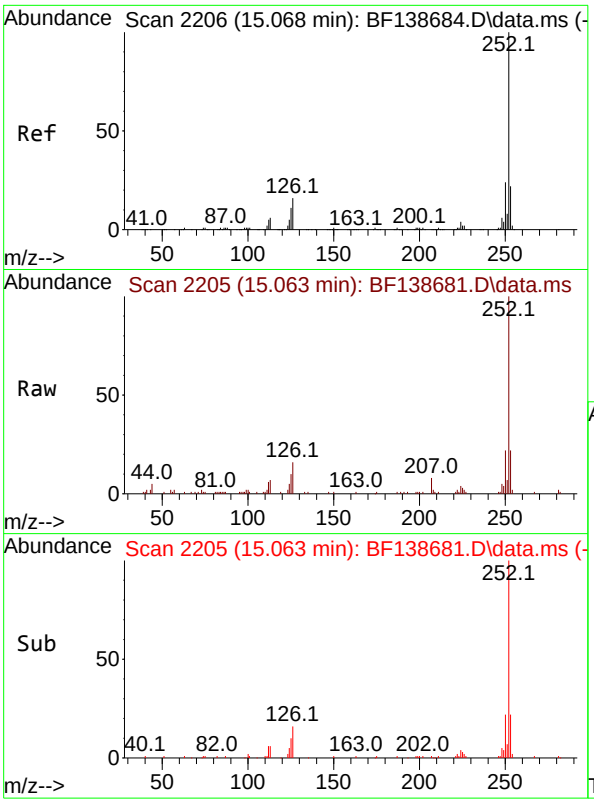


#88
Benzo(b)fluoranthene
Concen: 5.188 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



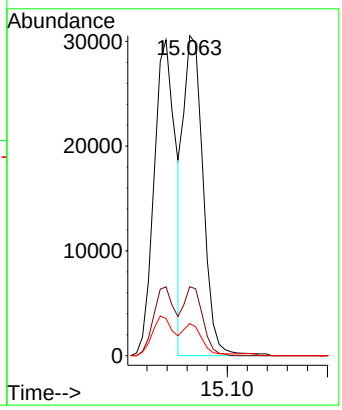


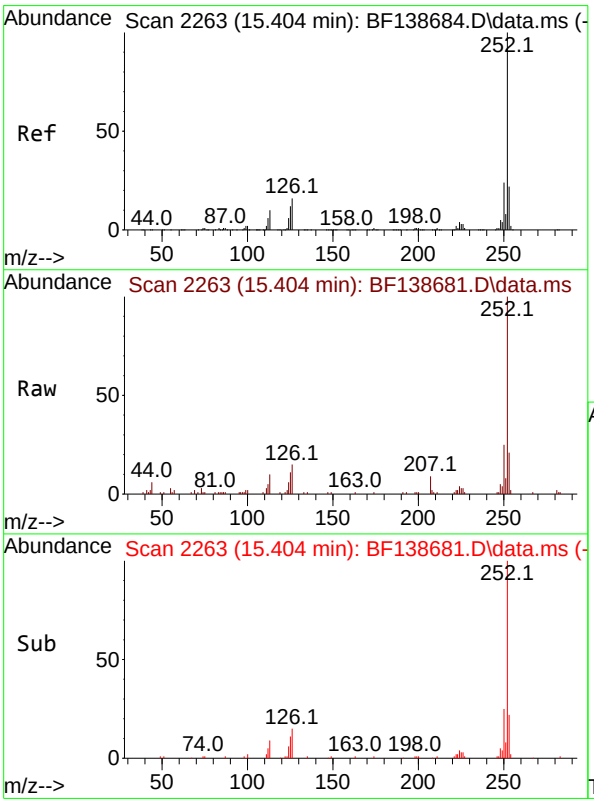
#89
Benzo(k)fluoranthene
Concen: 5.600 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

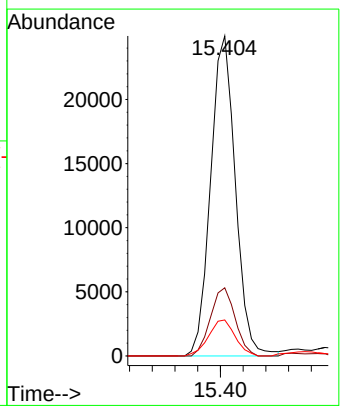


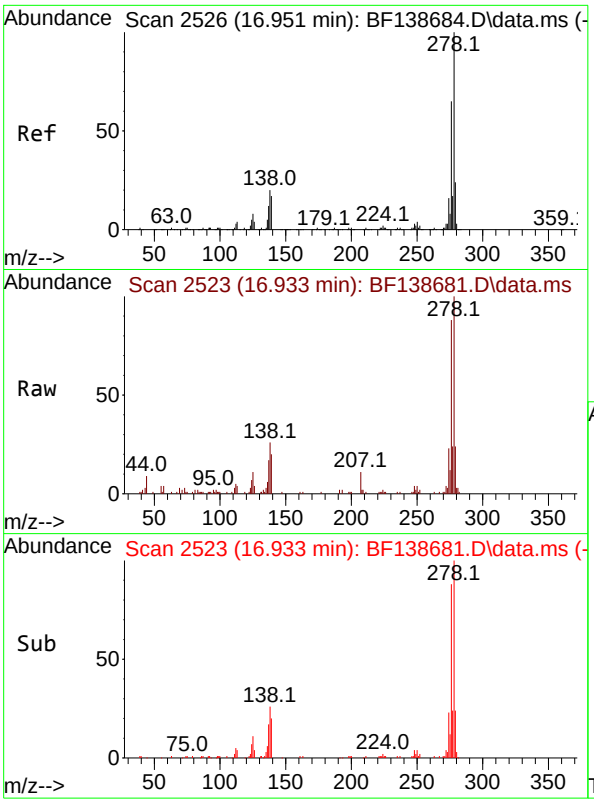


#90
Benzo(a)pyrene
Concen: 5.199 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



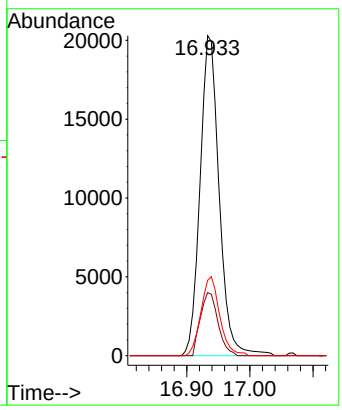


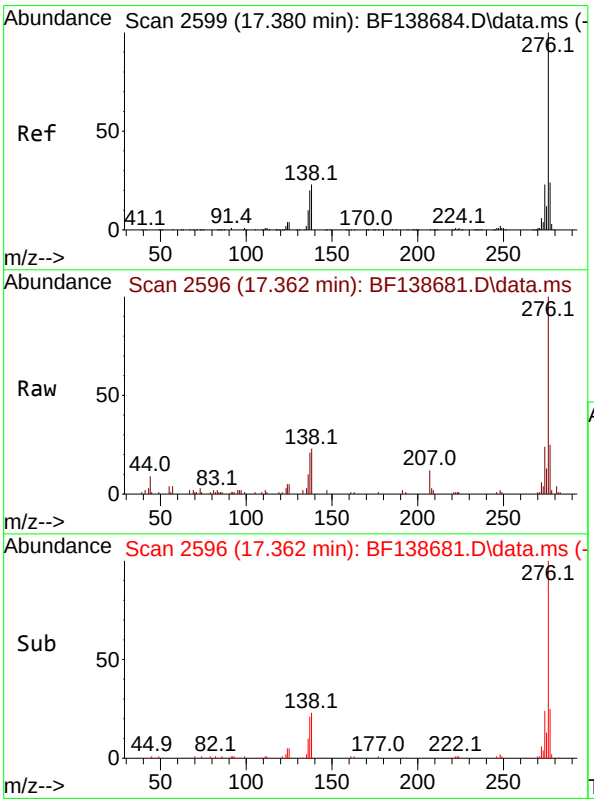
#91
Dibenzo(a,h)anthracene
Concen: 5.209 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

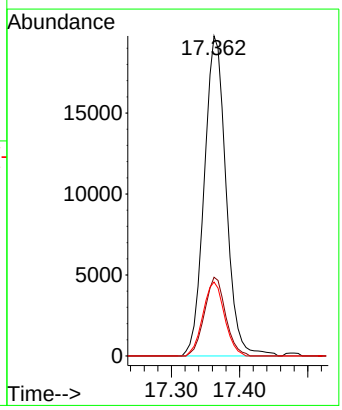




#92
Benzo(g,h,i)perylene
Concen: 5.165 ng
RT: 17.362 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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

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

ICAL Form

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

Quant Time: Jul 30 17:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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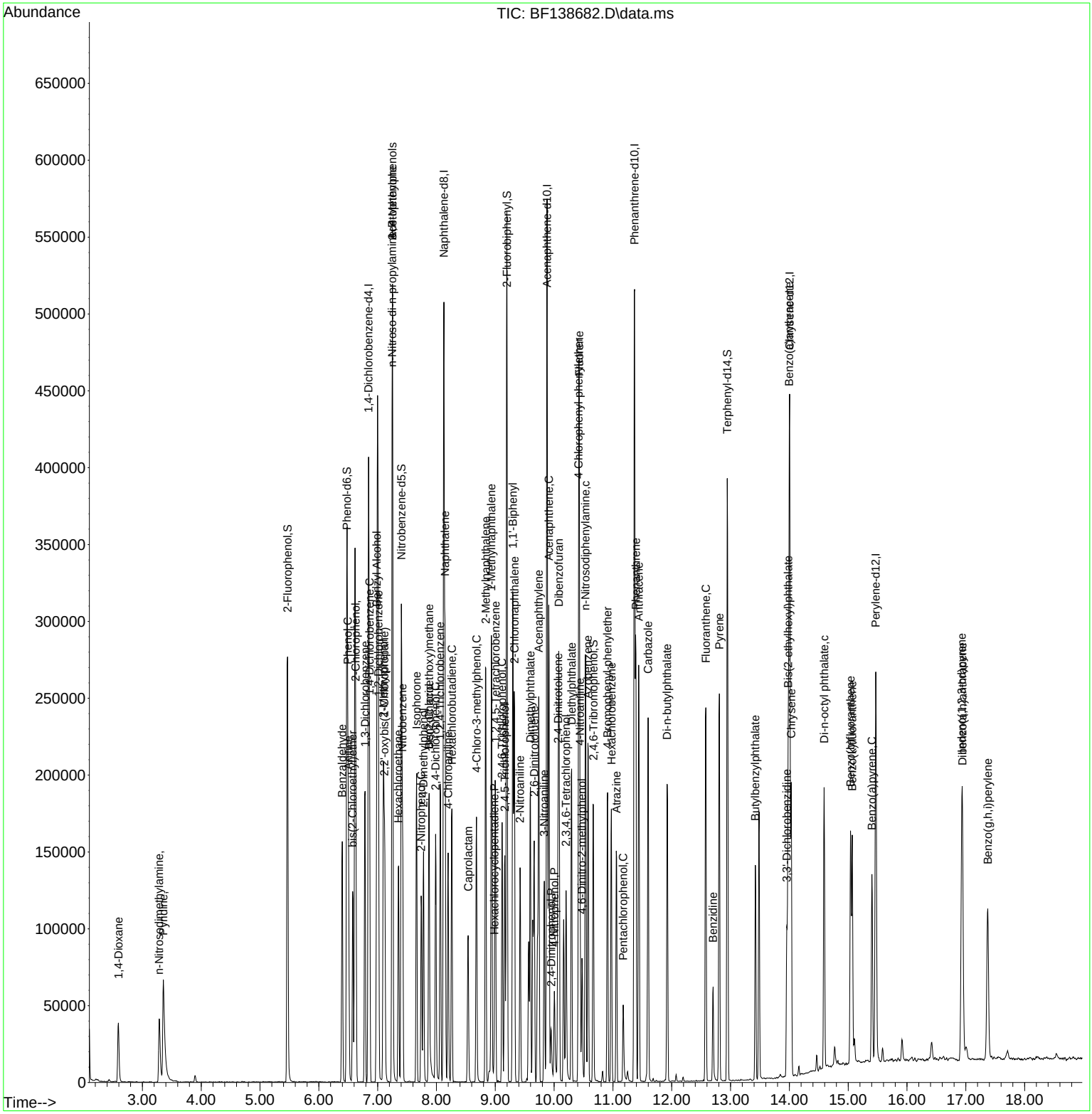
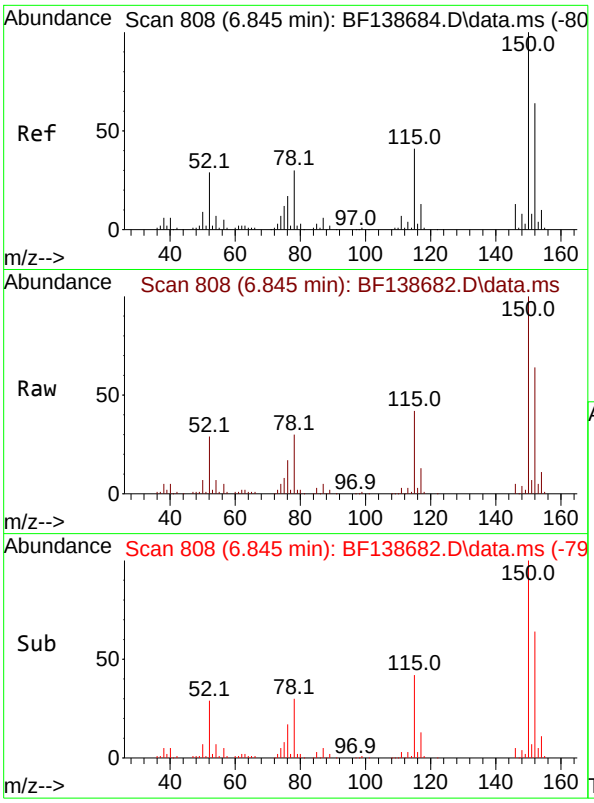
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

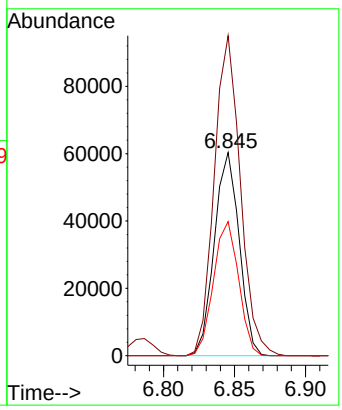




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

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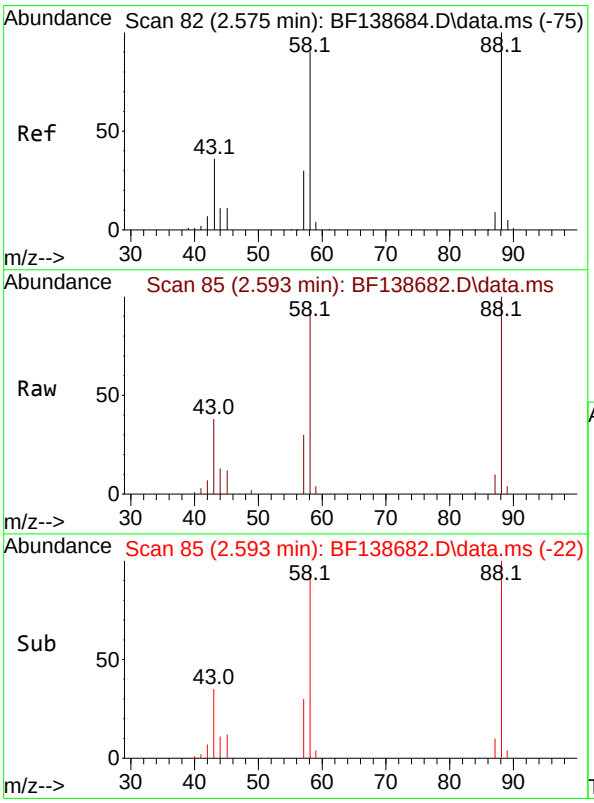
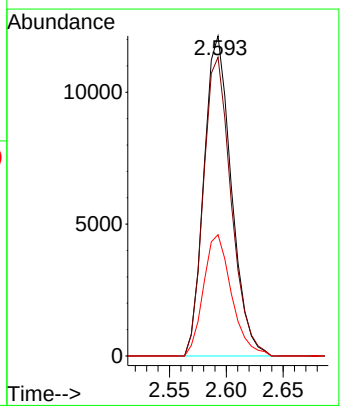
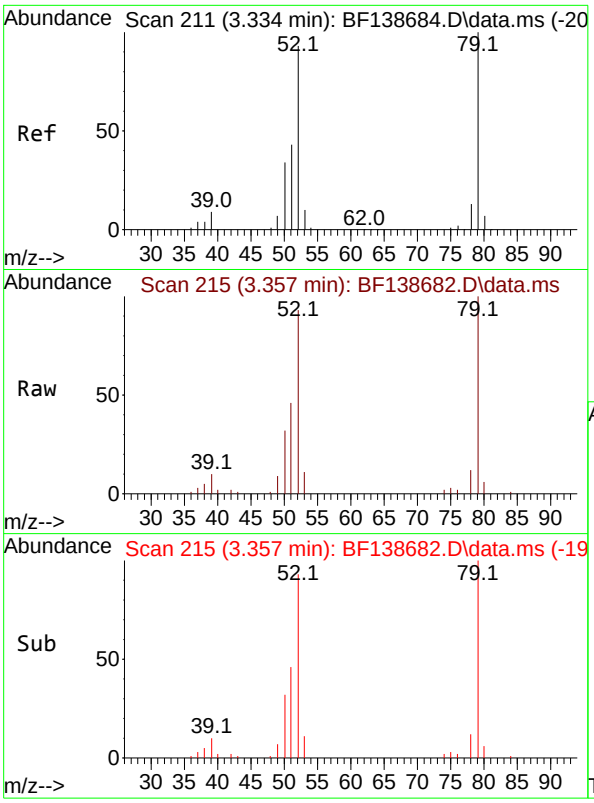


#2
1,4-Dioxane
Concen: 9.777 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 88 Resp: 20339

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

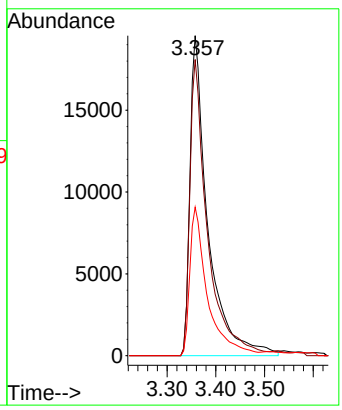




#3
Pyridine
Concen: 9.933 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 79 Resp: 5005

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



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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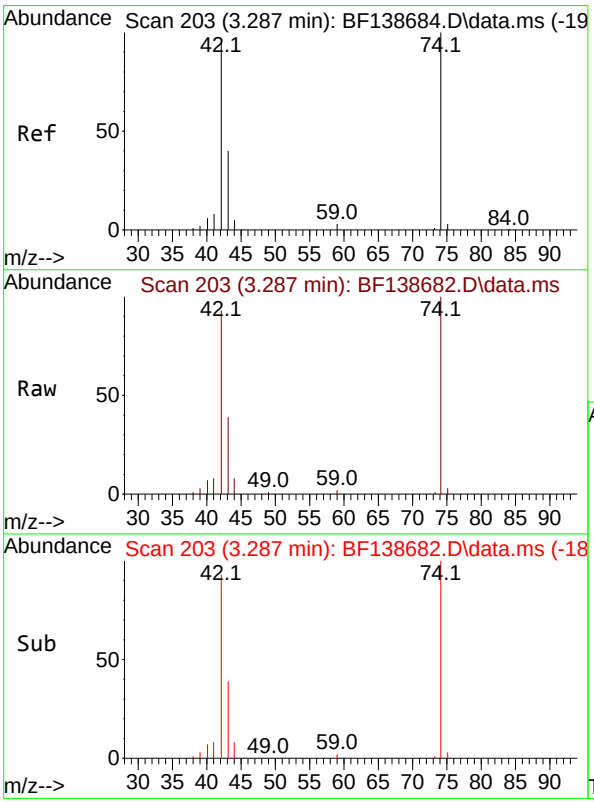
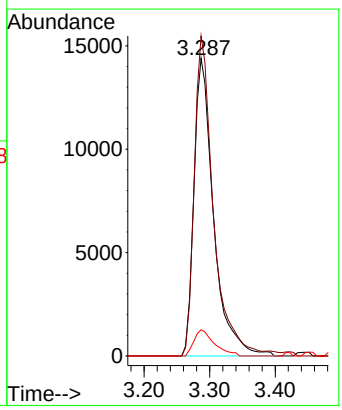
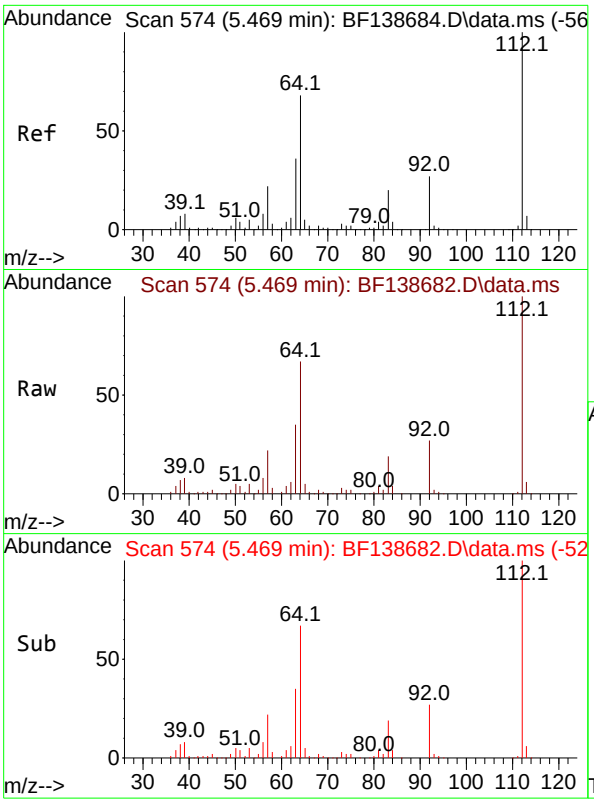


#4
n-Nitrosodimethylamine
Concen: 9.983 ng
RT: 3.287 min Scan# 203
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 42 Resp: 29962

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

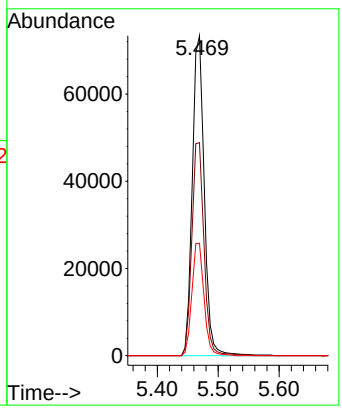




#5
2-Fluorophenol
Concen: 21.108 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:112 Resp: 10029

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



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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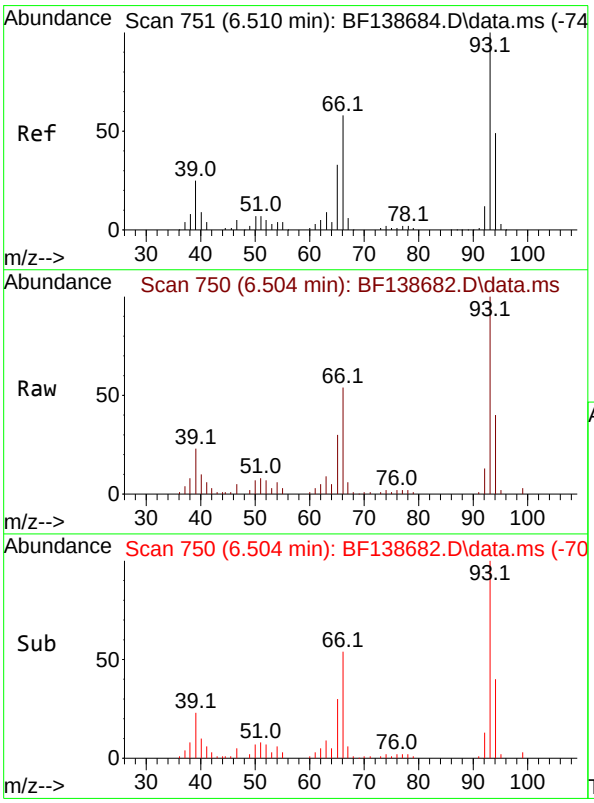
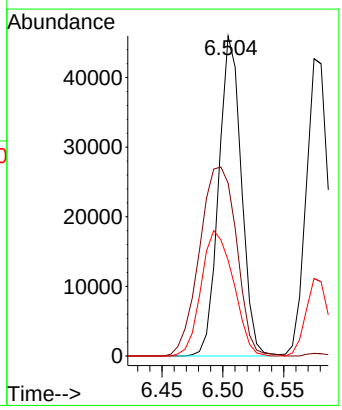
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

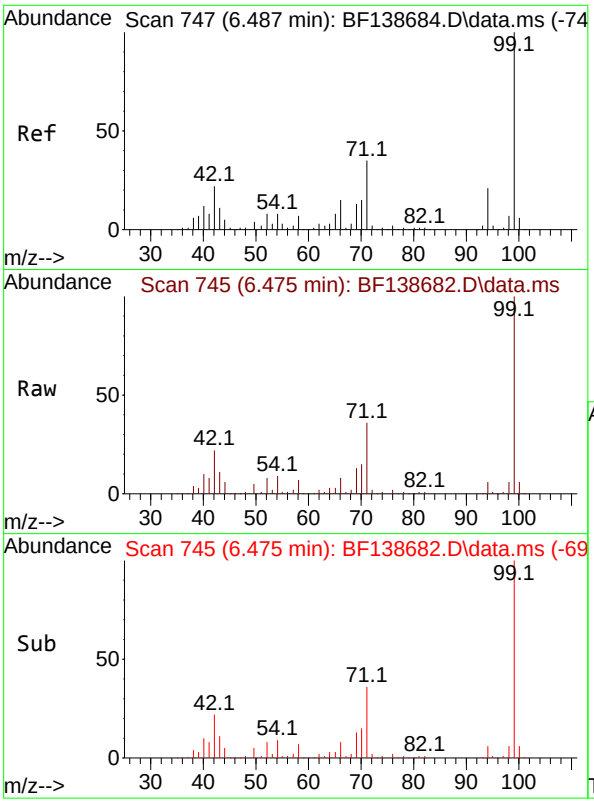


#6
Aniline
Concen: 10.481 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

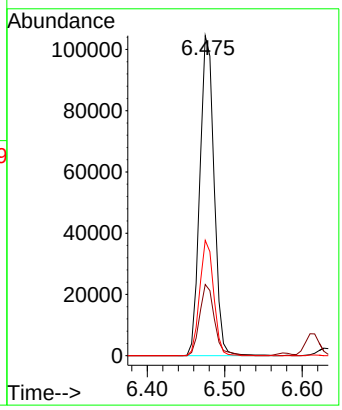




#7
Phenol-d6
Concen: 20.884 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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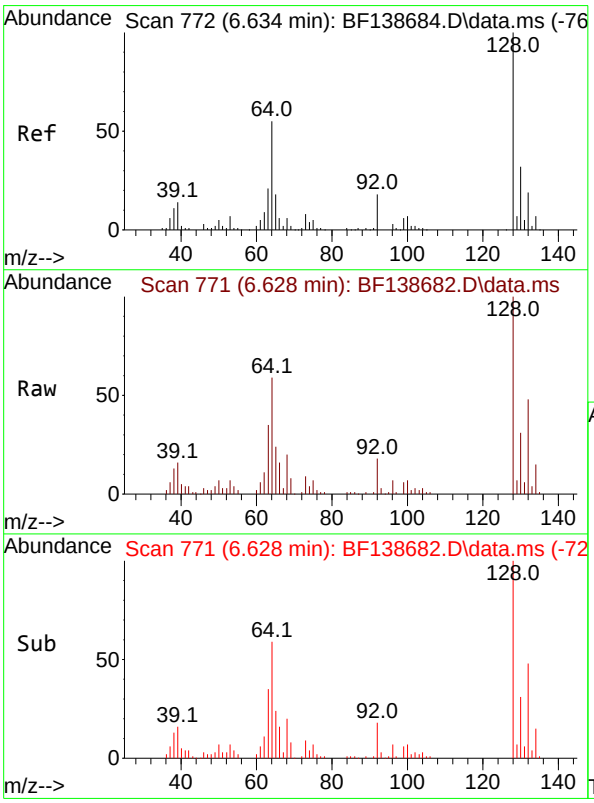
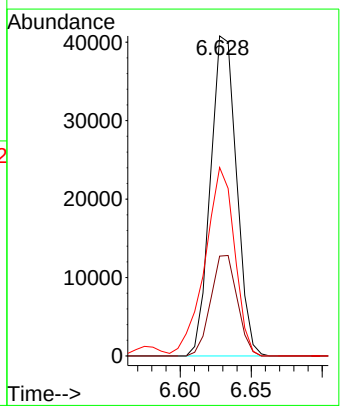
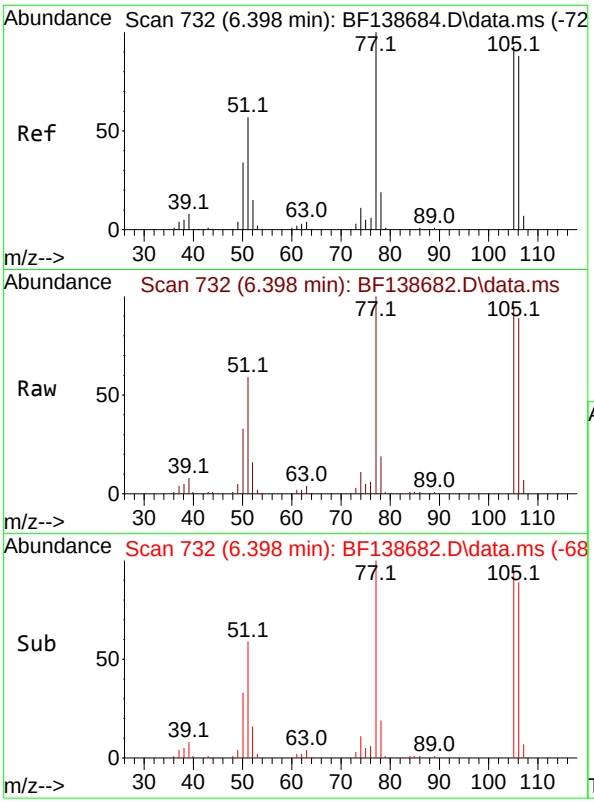


#8
2-Chlorophenol
Concen: 10.401 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:128 Resp: 51997

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

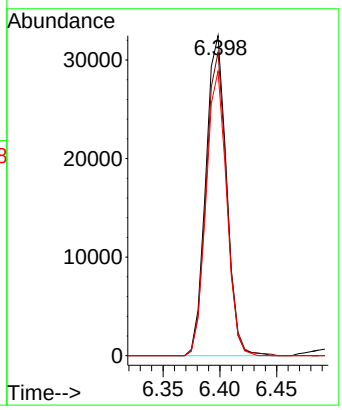




#9
Benzaldehyde
Concen: 10.733 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 4104

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



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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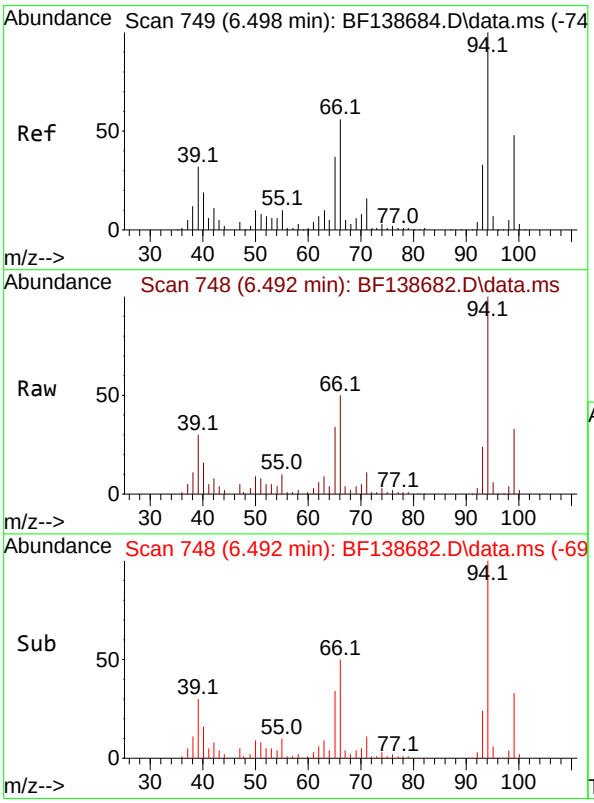
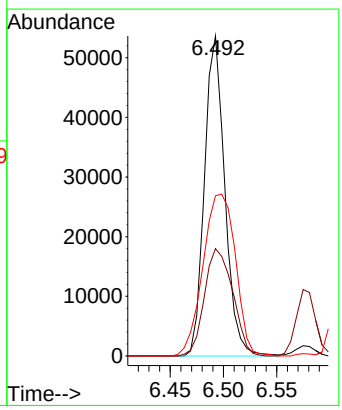
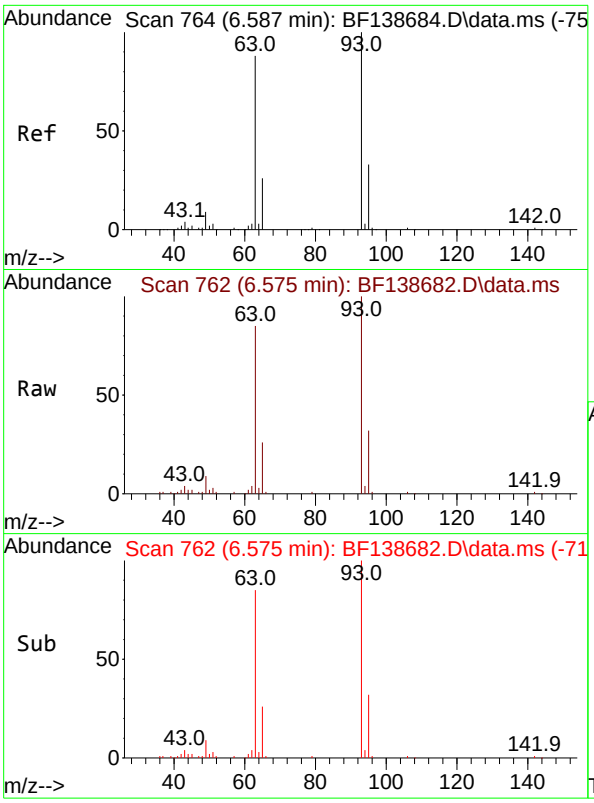


#10
Phenol
Concen: 10.626 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 94 Resp: 71371

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

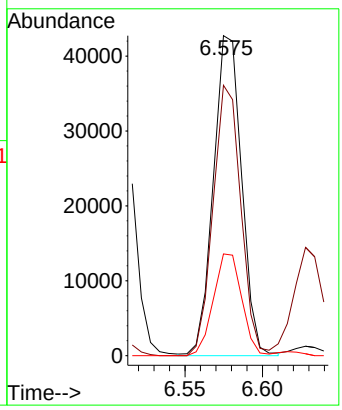




#11
bis(2-Chloroethyl)ether
Concen: 10.471 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 5412

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



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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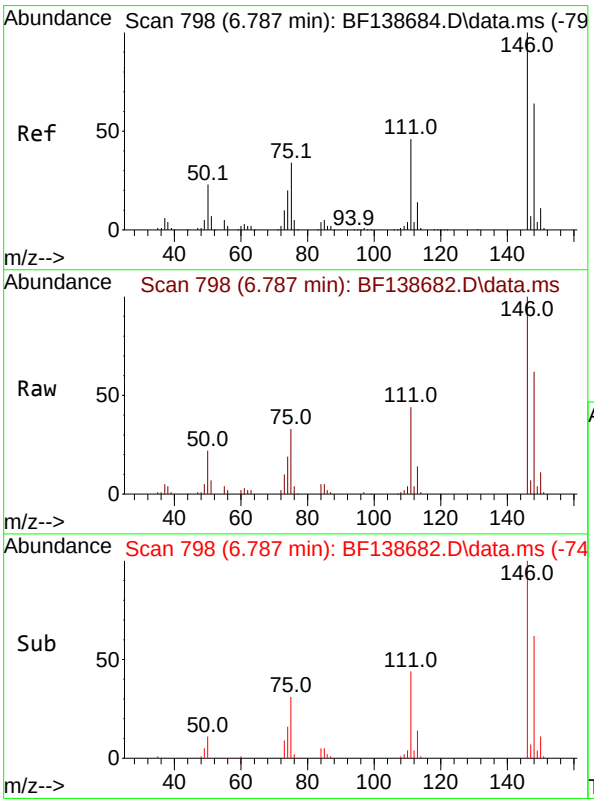
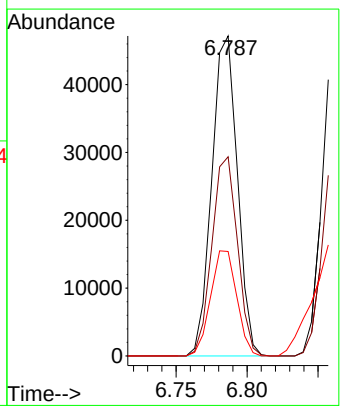
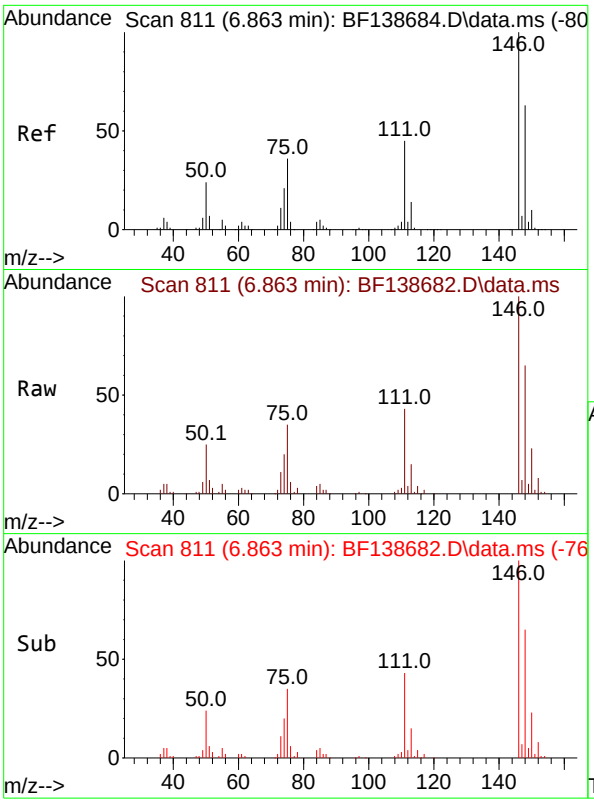


#12
1,3-Dichlorobenzene
Concen: 10.544 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 59006

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

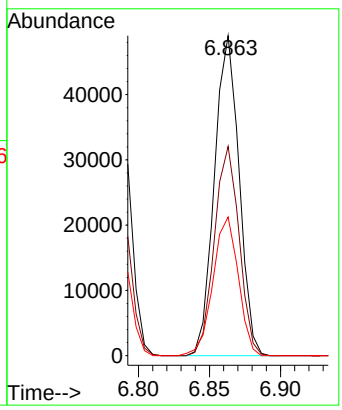




#13
1,4-Dichlorobenzene
Concen: 10.487 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 5922

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



Instrument :
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ClientSampleId :
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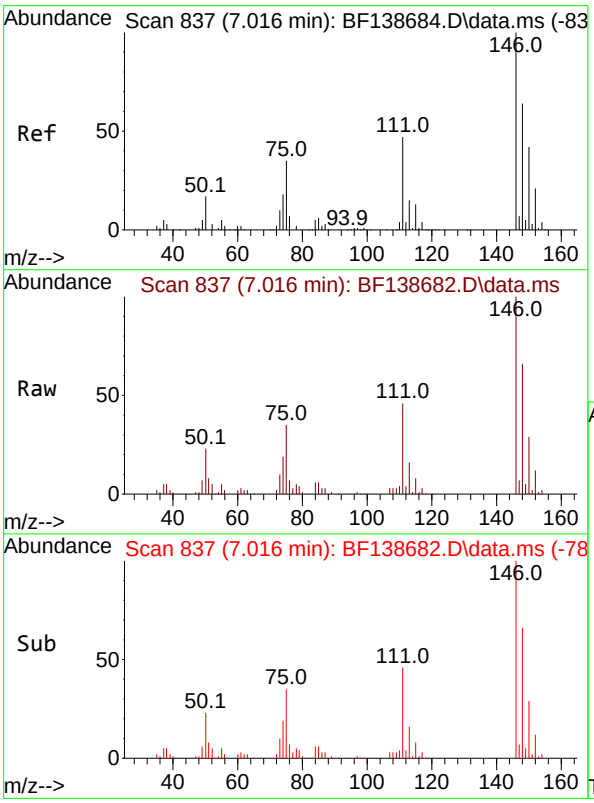
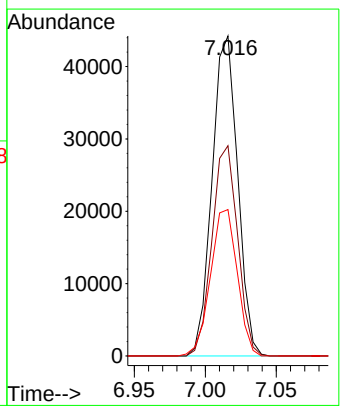
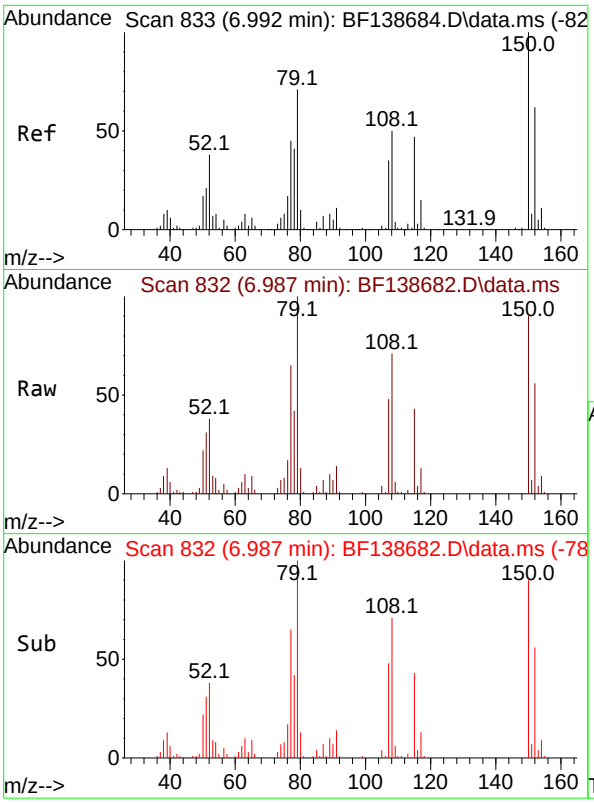


#14
1,2-Dichlorobenzene
Concen: 10.501 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 55425

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

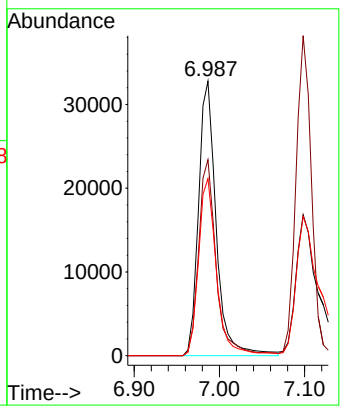




#15
Benzyl Alcohol
Concen: 10.267 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 79 Resp: 4720

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



Instrument :
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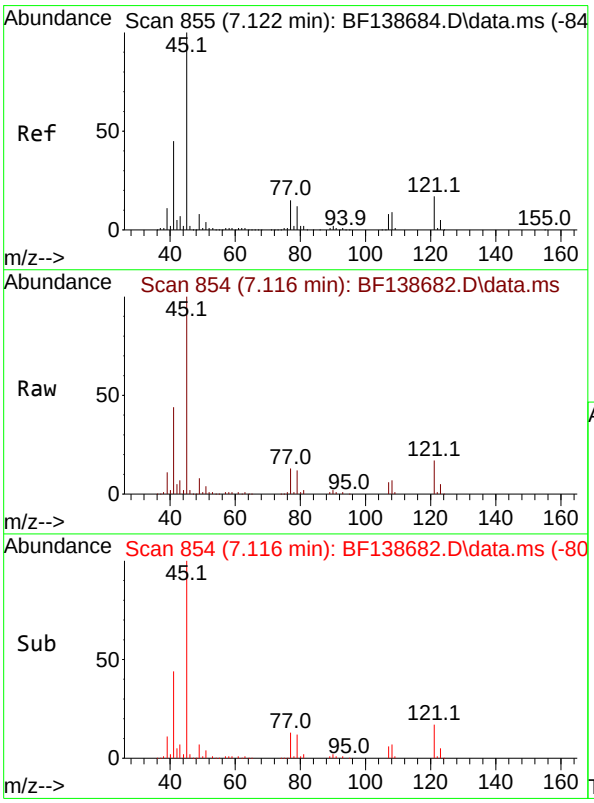
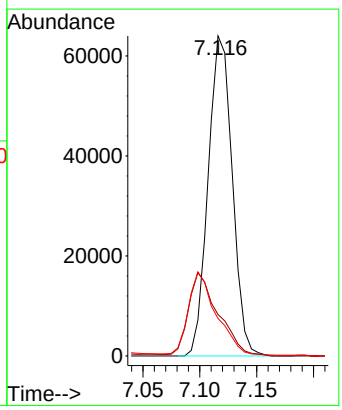
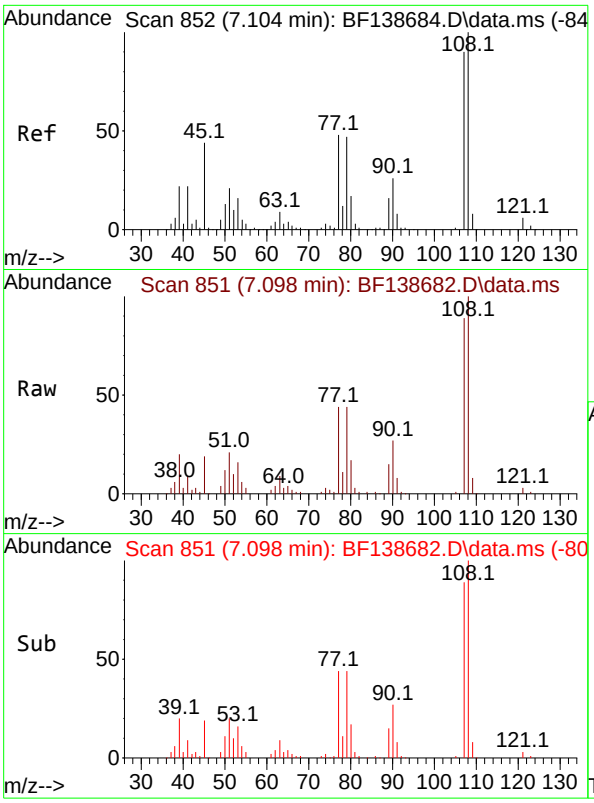


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.620 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 45 Resp: 94469

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

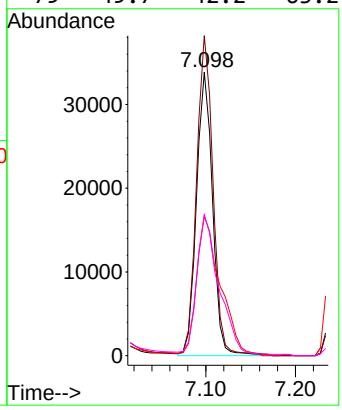




#17
2-Methylphenol
Concen: 10.252 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:107 Resp: 4232

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



Instrument :
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ClientSampleId :
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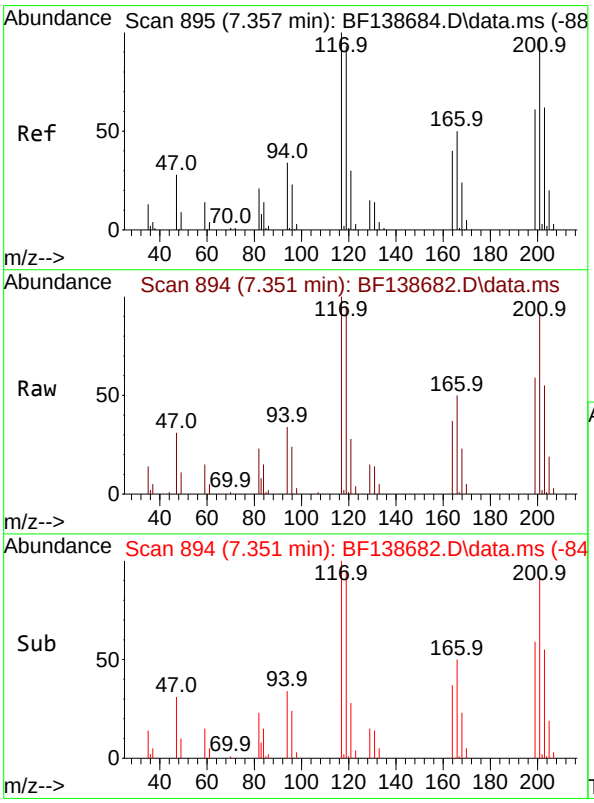
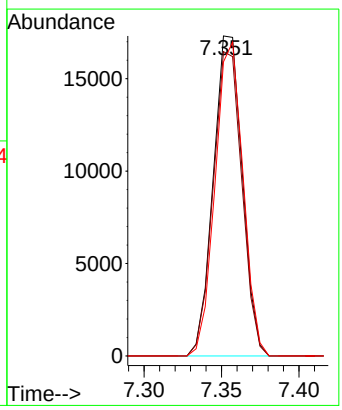
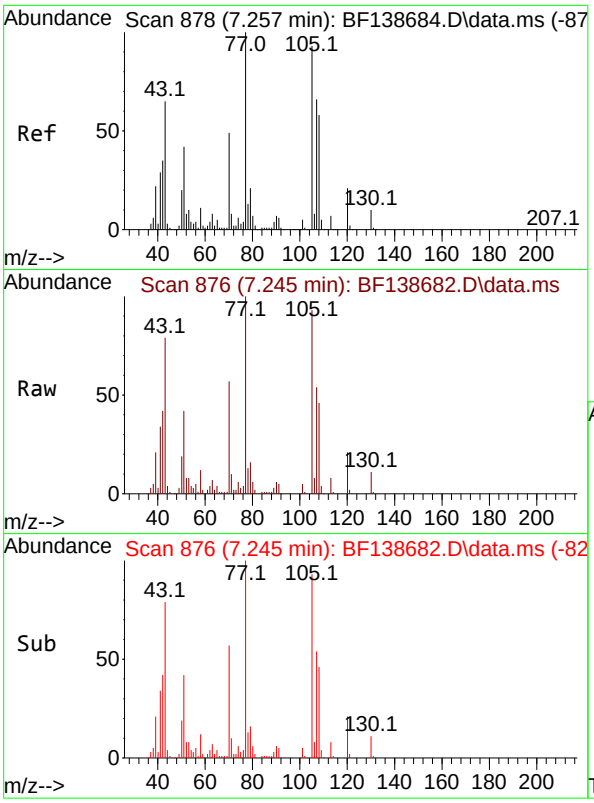


#18
Hexachloroethane
Concen: 10.598 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:117 Resp: 22530

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

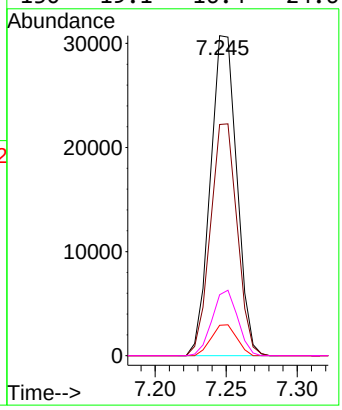




#19
n-Nitroso-di-n-propylamine
Concen: 10.345 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 70 Resp: 3986

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



Instrument :
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ClientSampleId :
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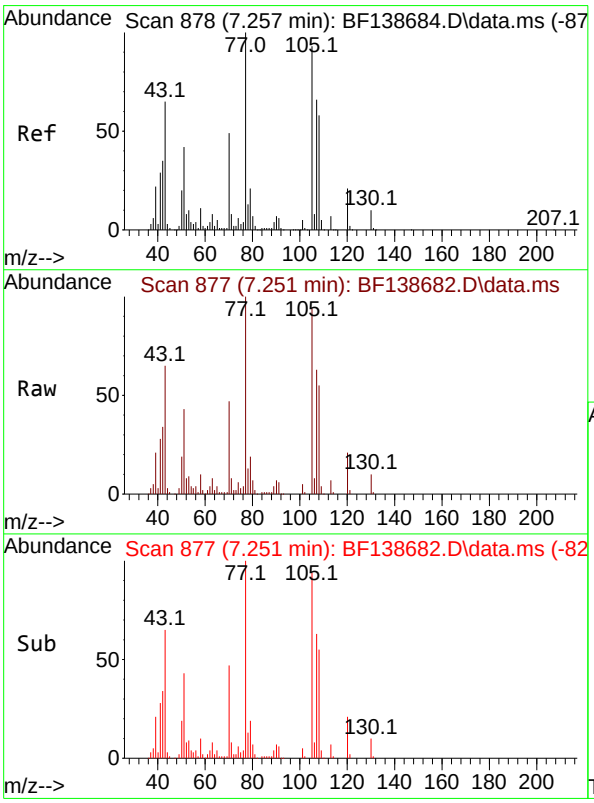
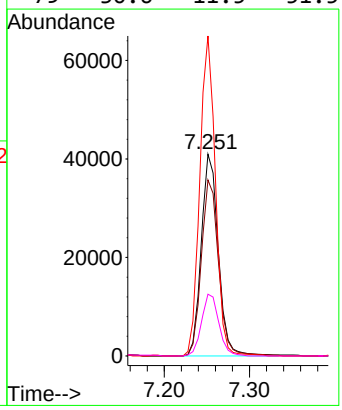
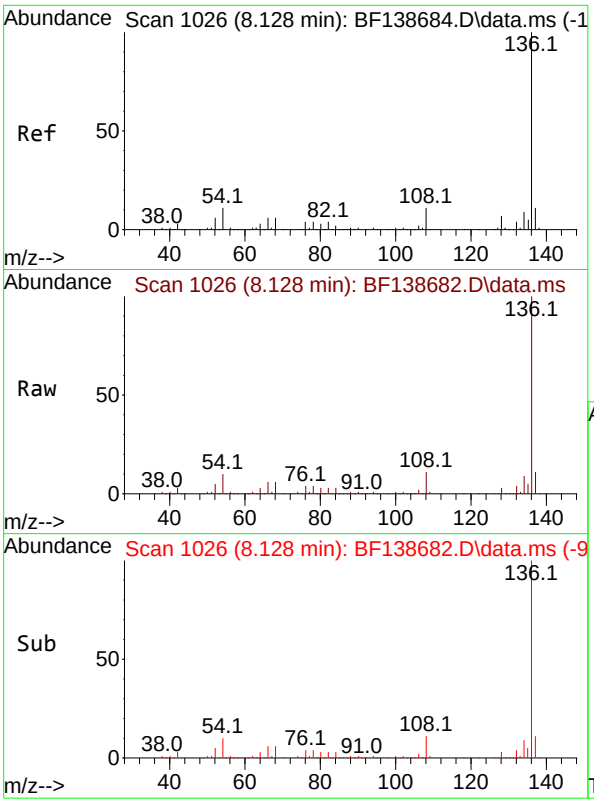


#20
3+4-Methylphenols
Concen: 10.760 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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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

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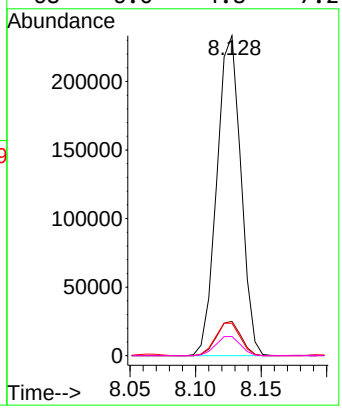
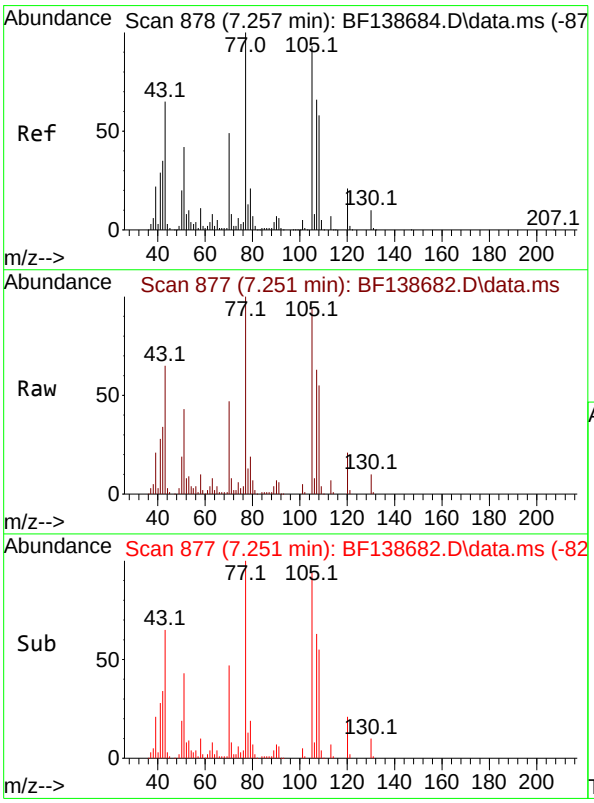
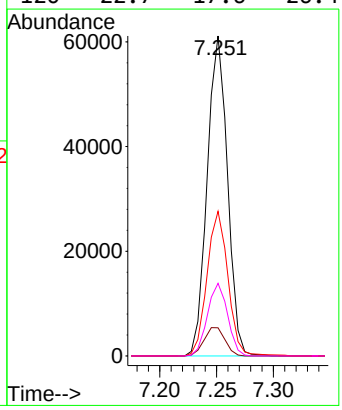


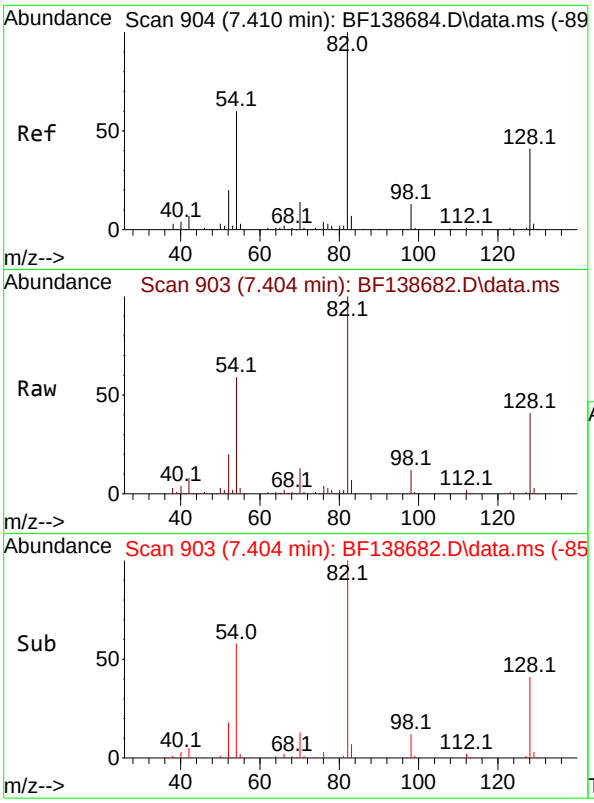


#22
Acetophenone
Concen: 10.404 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:105 Resp: 75892

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

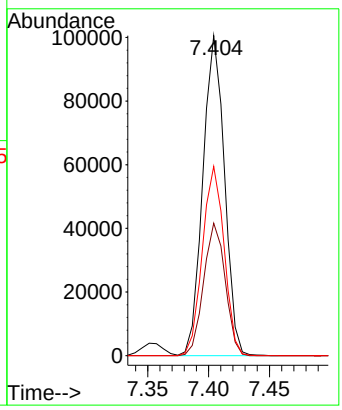




#23
Nitrobenzene-d5
Concen: 20.350 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 82 Resp: 12399

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



Instrument :
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ClientSampleId :
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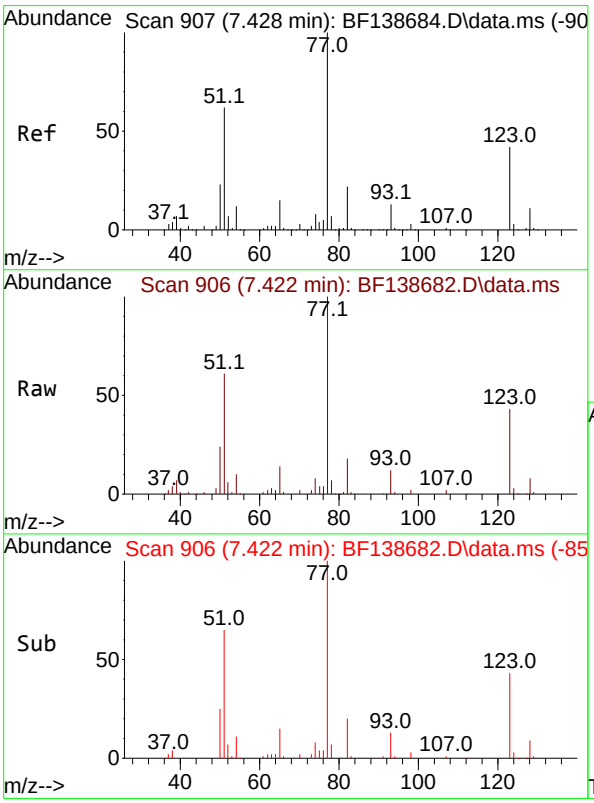
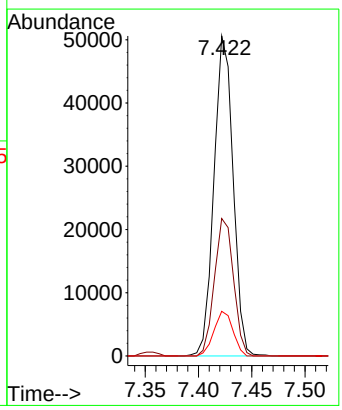
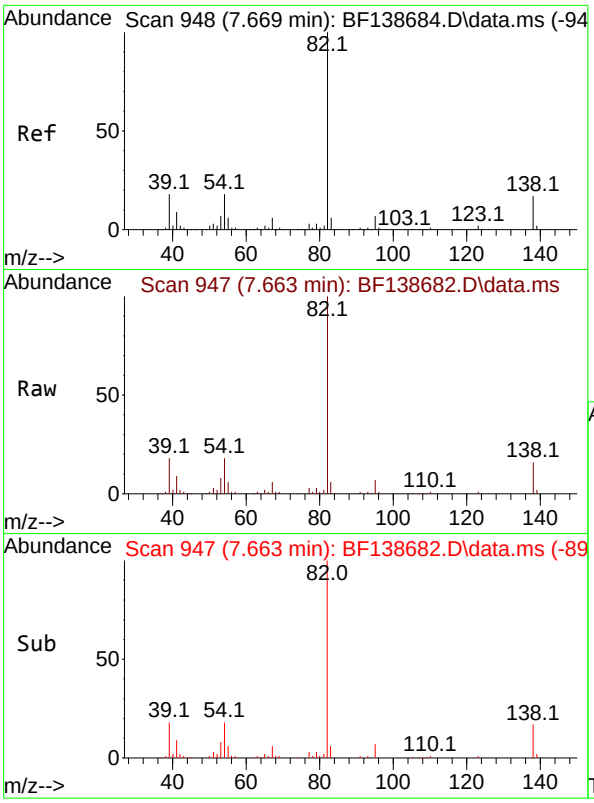


#24
Nitrobenzene
Concen: 10.164 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 63020

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

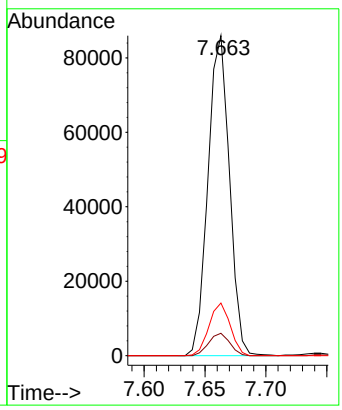




#25
Isophorone
Concen: 10.167 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 82 Resp: 10578

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



Instrument :
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ClientSampleId :
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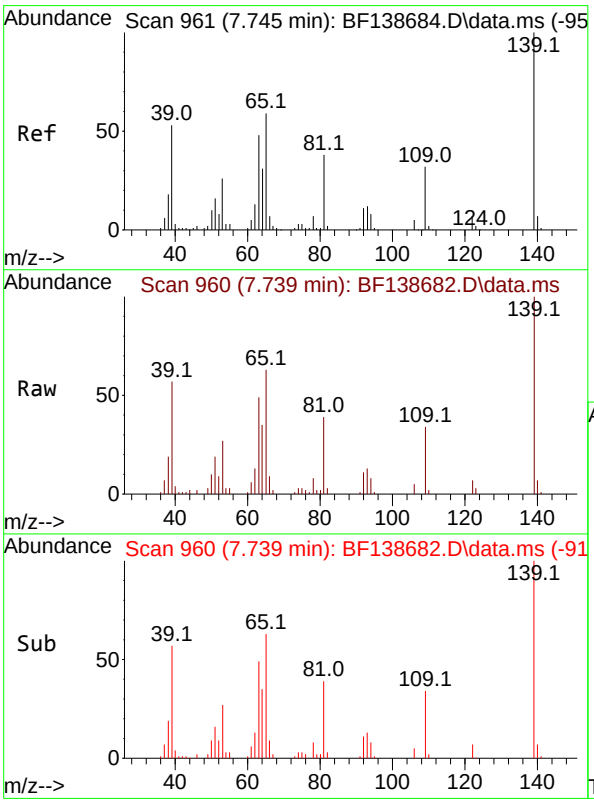
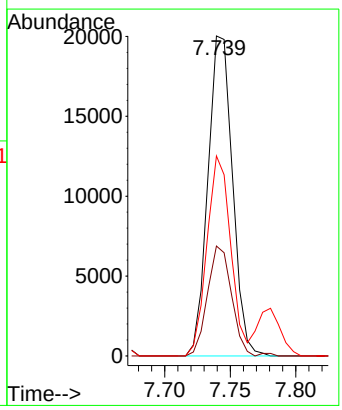
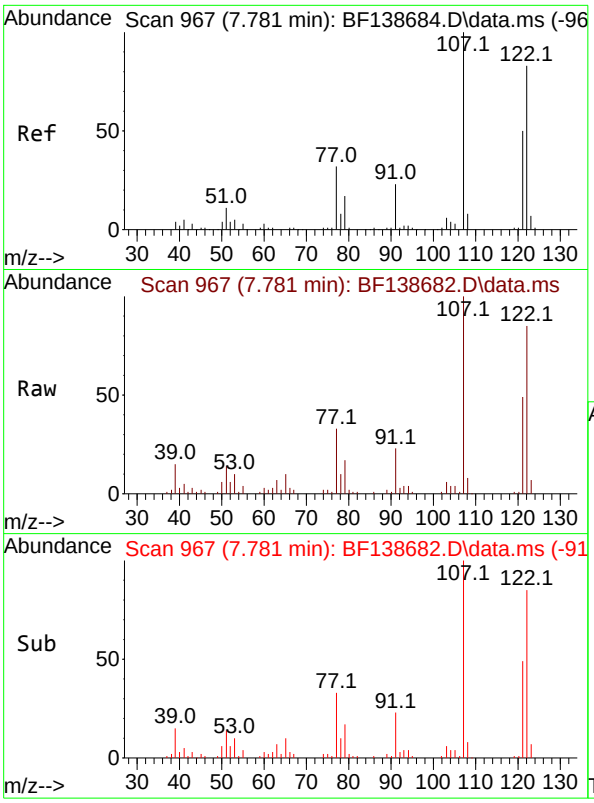


#26
2-Nitrophenol
Concen: 9.803 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:139 Resp: 26149

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

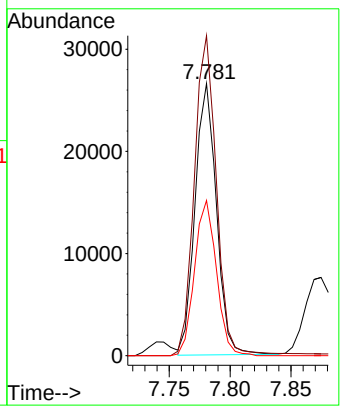




#27
2,4-Dimethylphenol
Concen: 10.147 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:122 Resp: 3238

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



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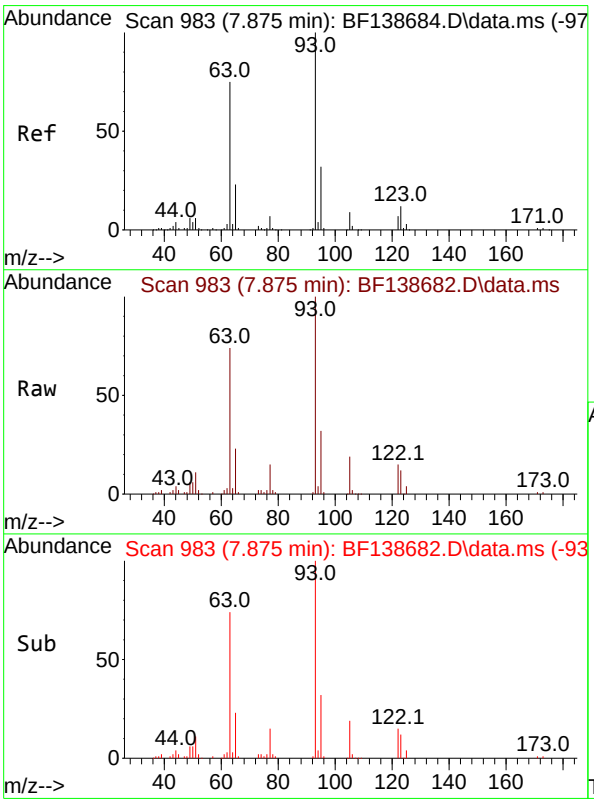
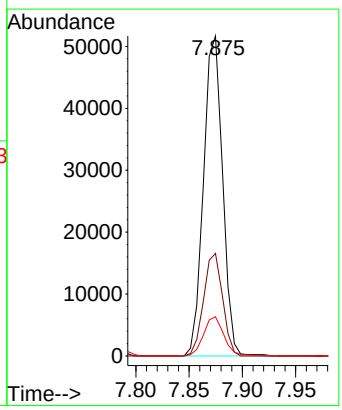
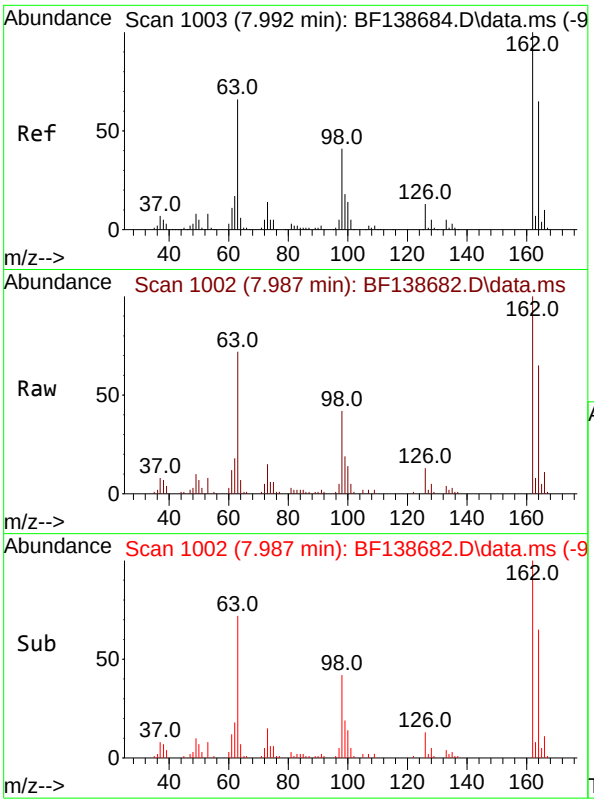


#28
bis(2-Chloroethoxy)methane
Concen: 10.191 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 64569

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

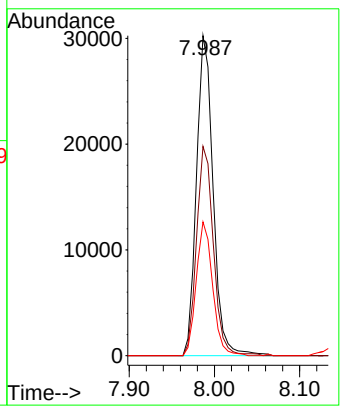




#29
2,4-Dichlorophenol
Concen: 10.031 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:162 Resp: 4113

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



Instrument :
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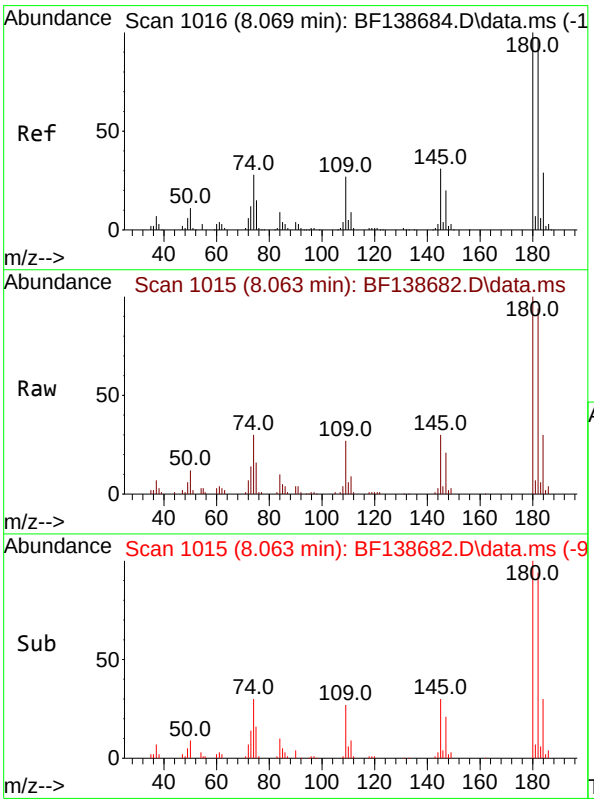
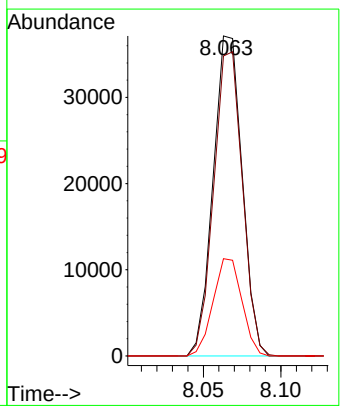
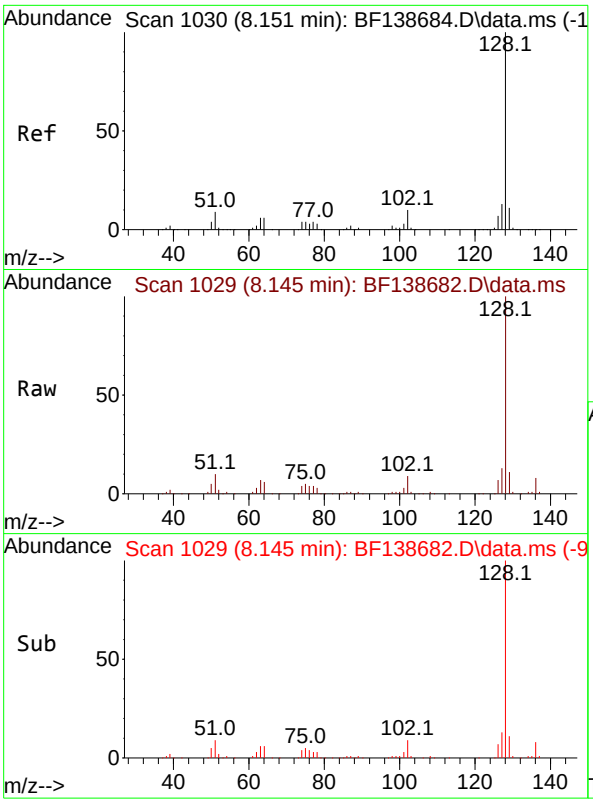


#30
1,2,4-Trichlorobenzene
Concen: 10.199 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:180 Resp: 48272

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

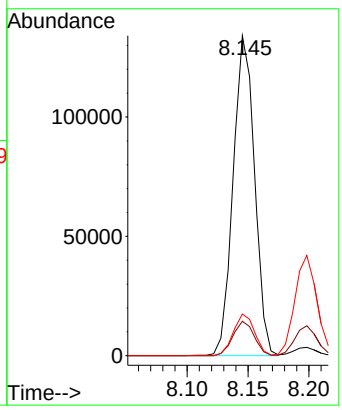




#31
Naphthalene
Concen: 10.469 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:128 Resp: 16416

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



Instrument :
BNA_F
ClientSampleId :
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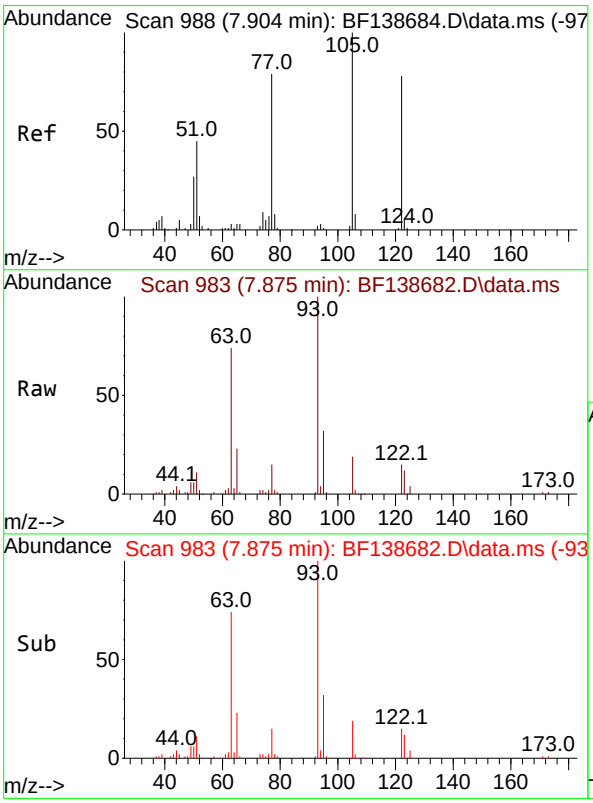
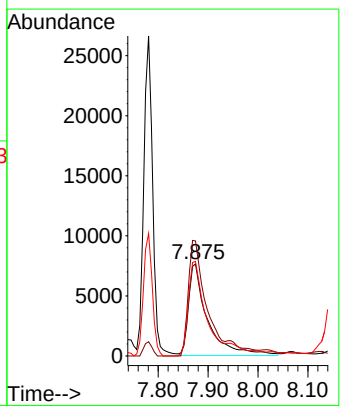
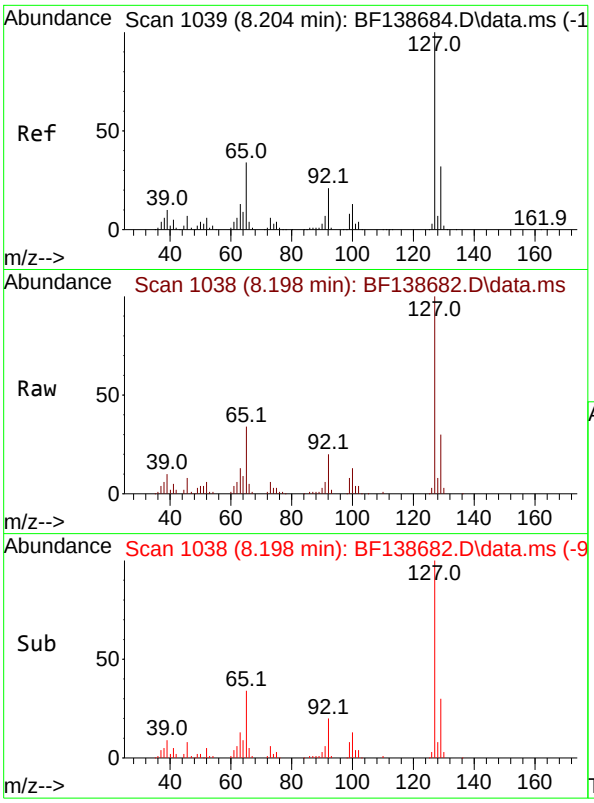


#32
Benzoic acid
Concen: 8.102 ng m
RT: 7.875 min Scan# 983
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:122 Resp: 20318

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

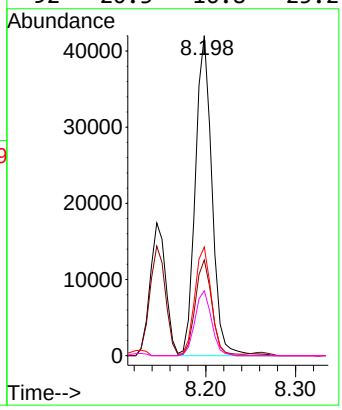




#33
4-Chloroaniline
Concen: 10.260 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:127 Resp: 5400

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



Instrument :
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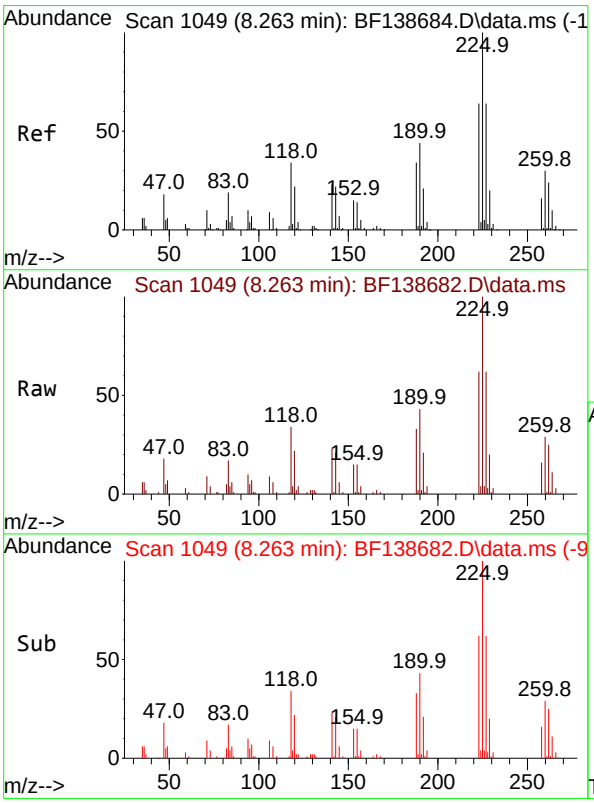
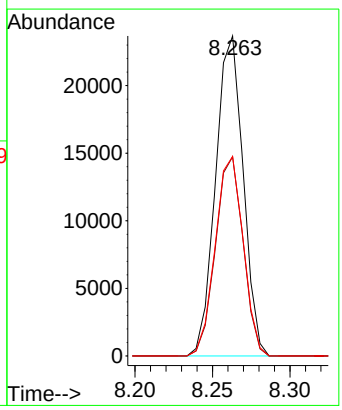
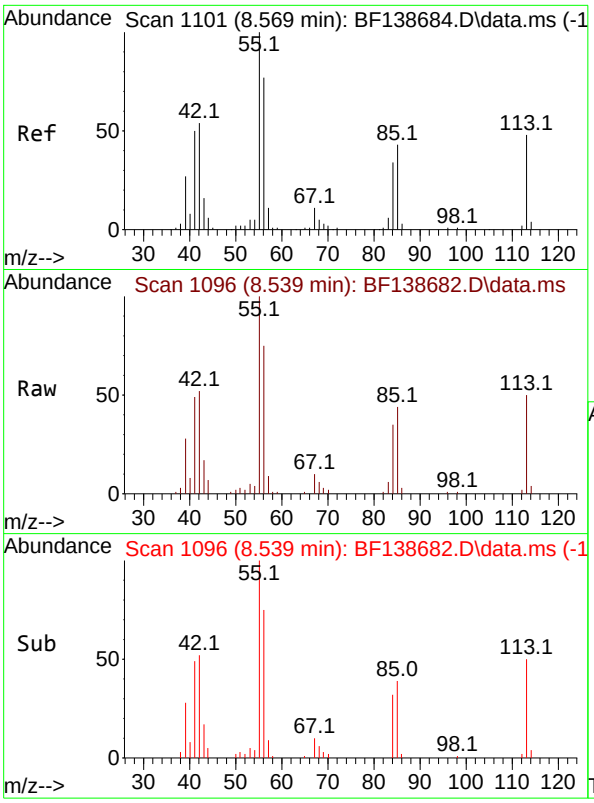


#34
Hexachlorobutadiene
Concen: 10.224 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:225 Resp: 29309

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

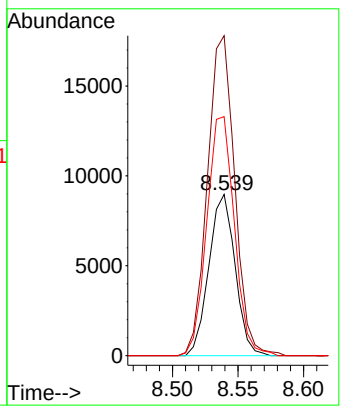




#35
Caprolactam
Concen: 10.193 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:113 Resp: 1247

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



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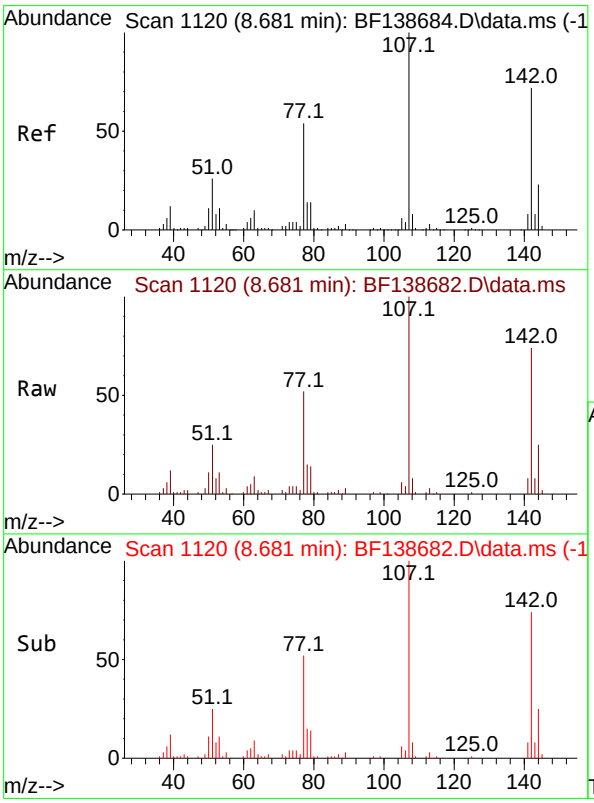
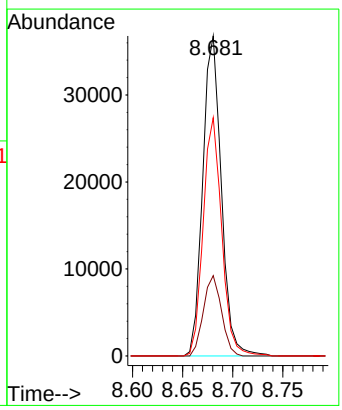
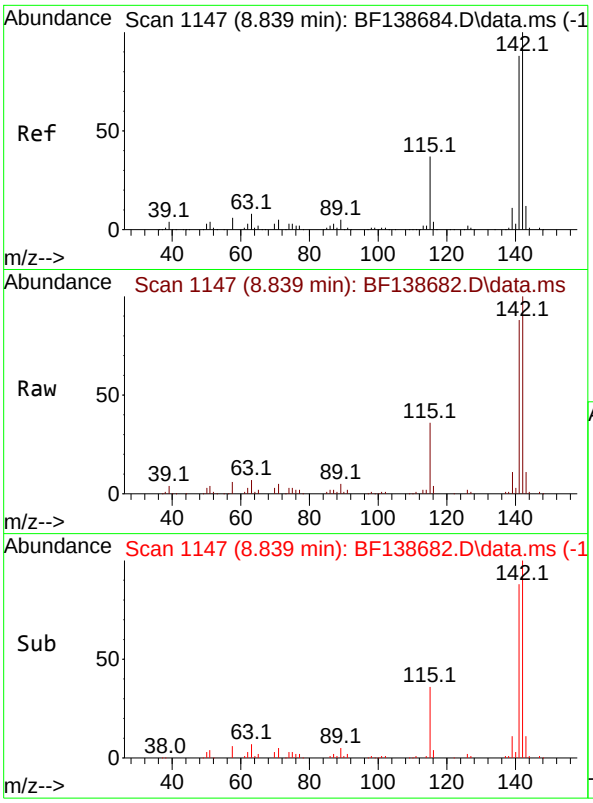


#36
4-Chloro-3-methylphenol
Concen: 10.152 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:107 Resp: 47584

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

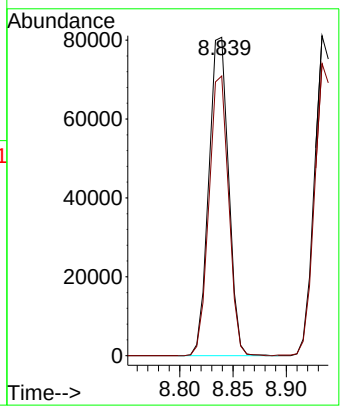




#37
2-Methylnaphthalene
Concen: 10.511 ng
RT: 8.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:142 Resp: 10409

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2



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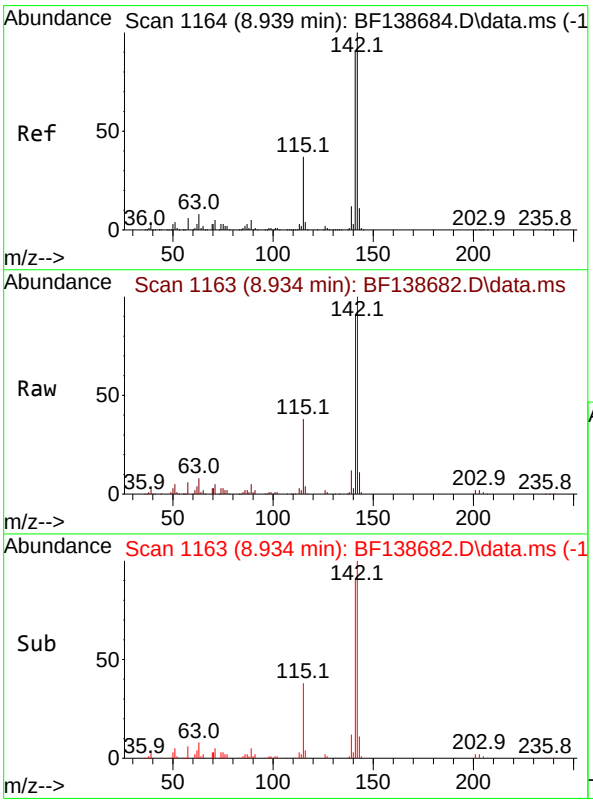
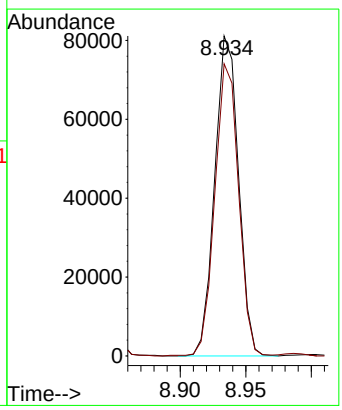
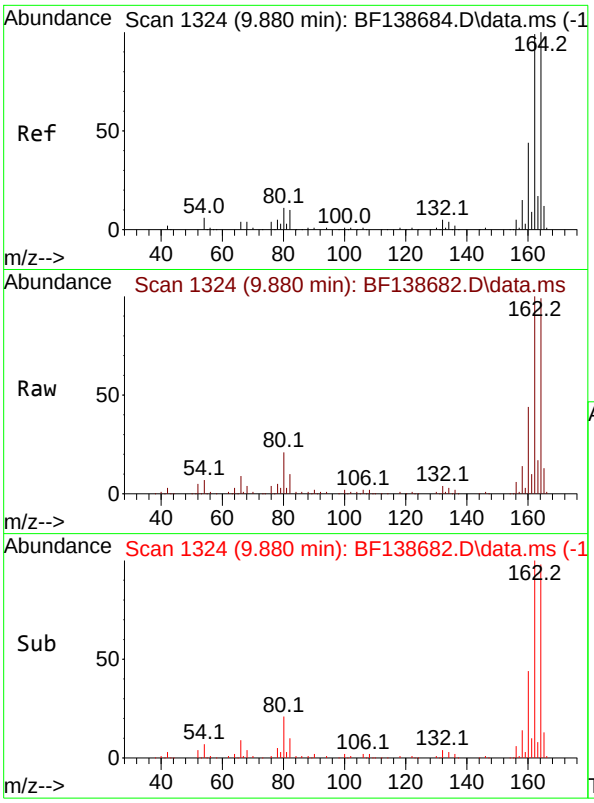


#38
1-Methylnaphthalene
Concen: 10.521 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:142 Resp: 102100

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7

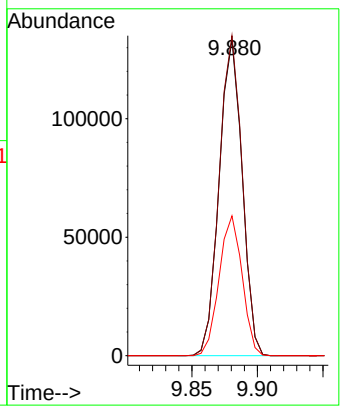




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:164 Resp: 16224

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



Instrument :
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ClientSampleId :
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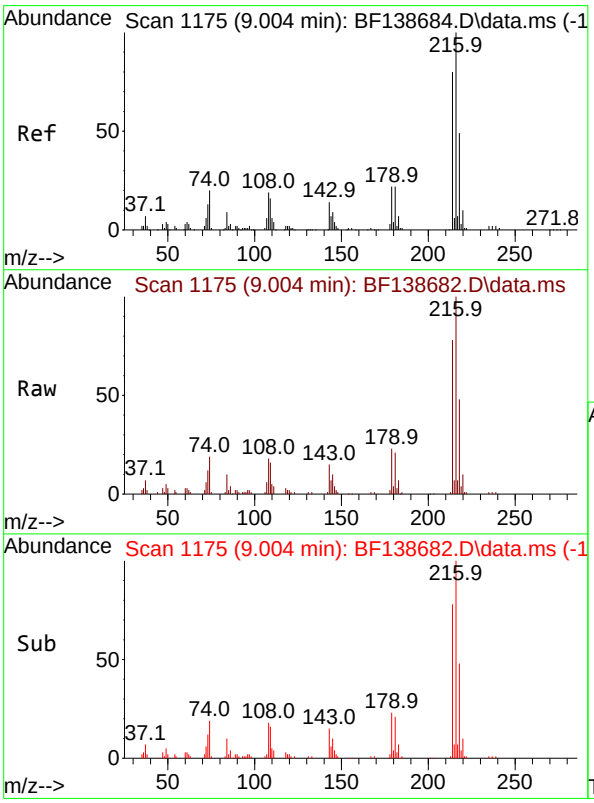
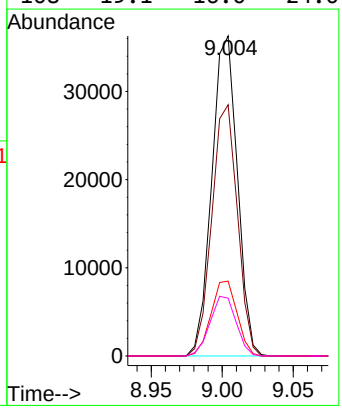
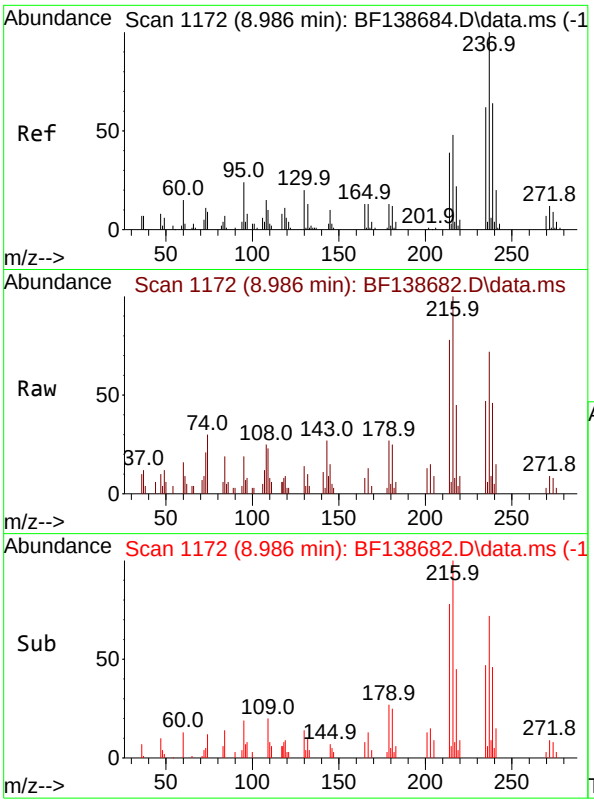


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.082 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:216 Resp: 45439

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





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

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

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

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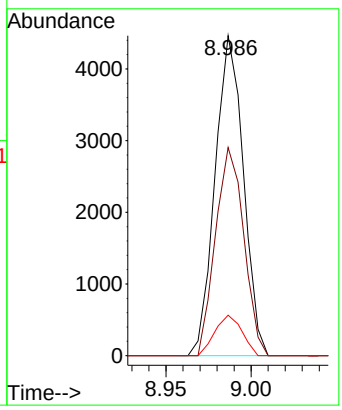
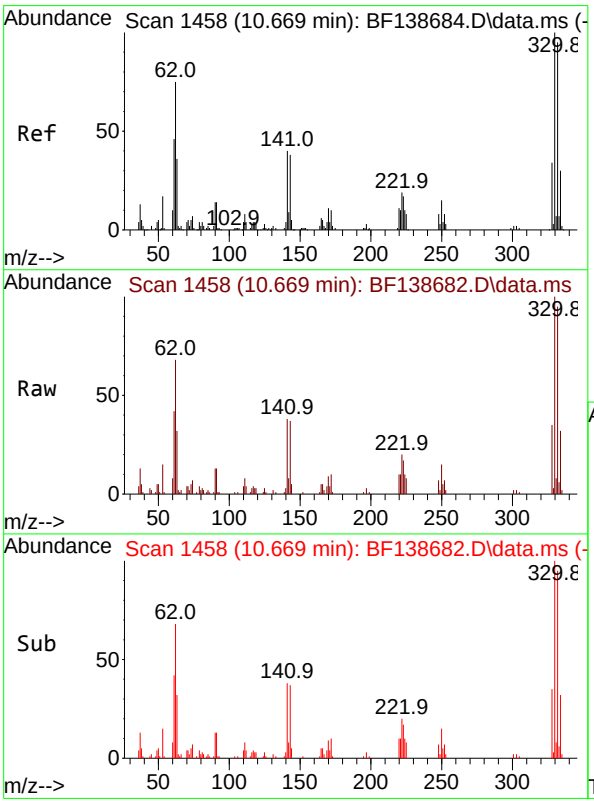
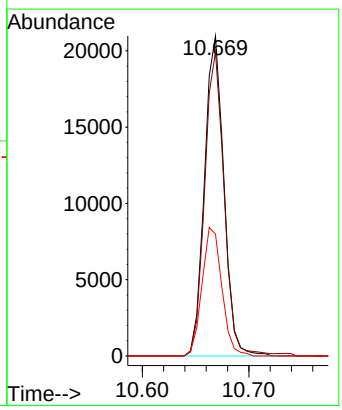


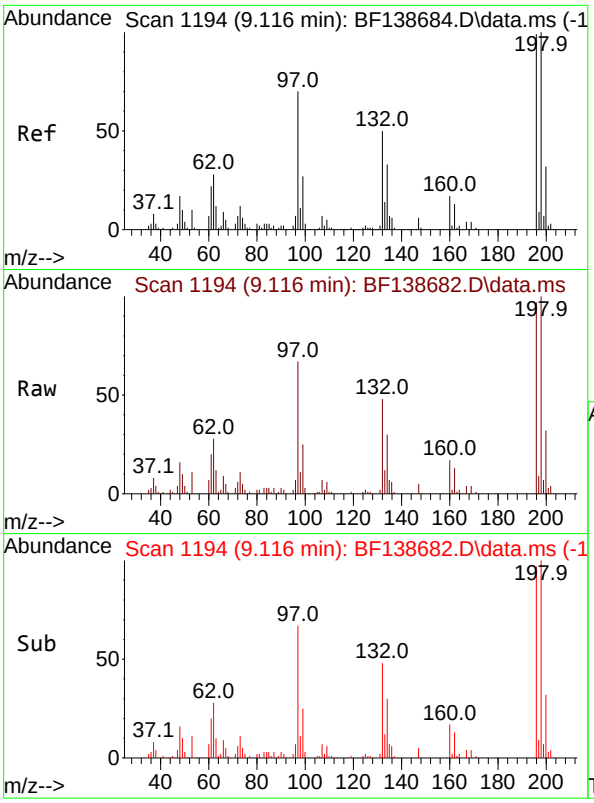


#42
2,4,6-Tribromophenol
Concen: 20.011 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:330 Resp: 26595

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

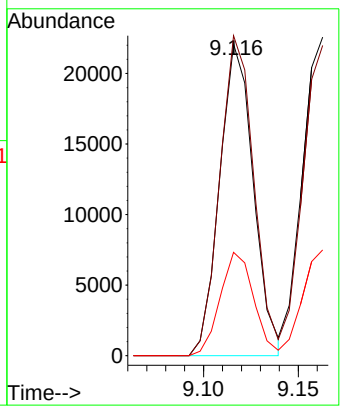




#43
2,4,6-Trichlorophenol
Concen: 9.985 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:196 Resp: 2743

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



Instrument :
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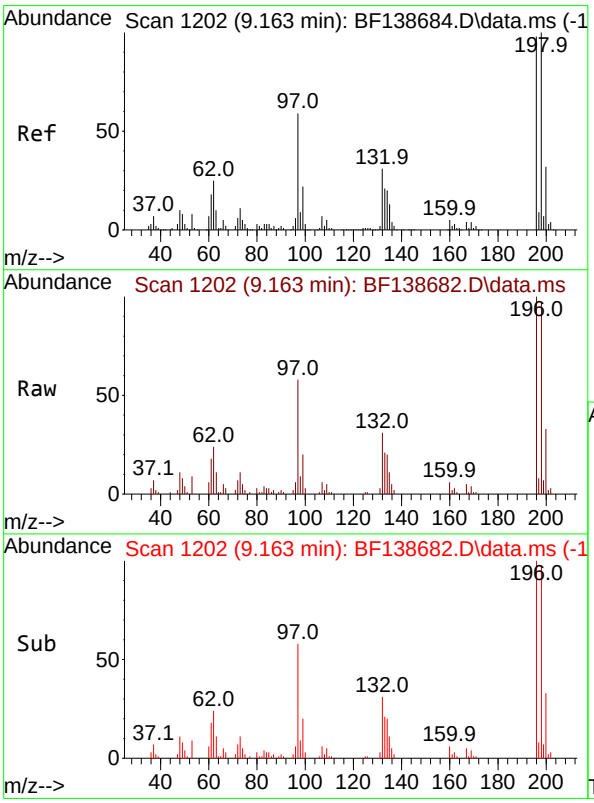
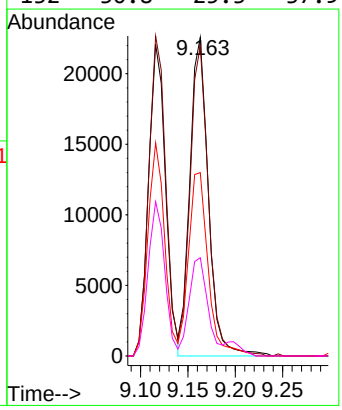
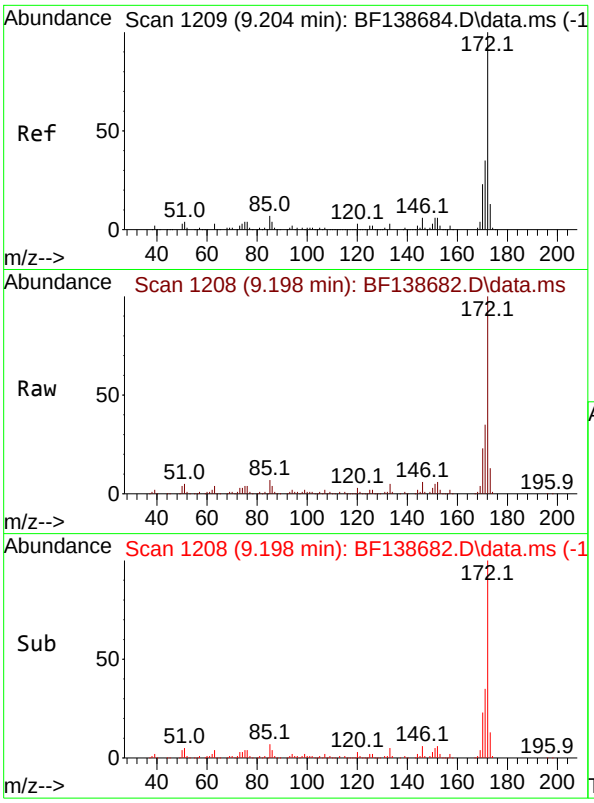


#44
2,4,5-Trichlorophenol
Concen: 10.247 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:196 Resp: 30782

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

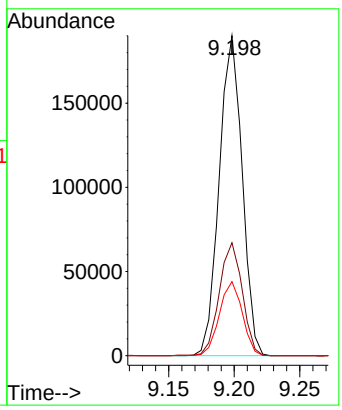




#45
2-Fluorobiphenyl
Concen: 21.392 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:172 Resp: 23100

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



Instrument :
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ClientSampleId :
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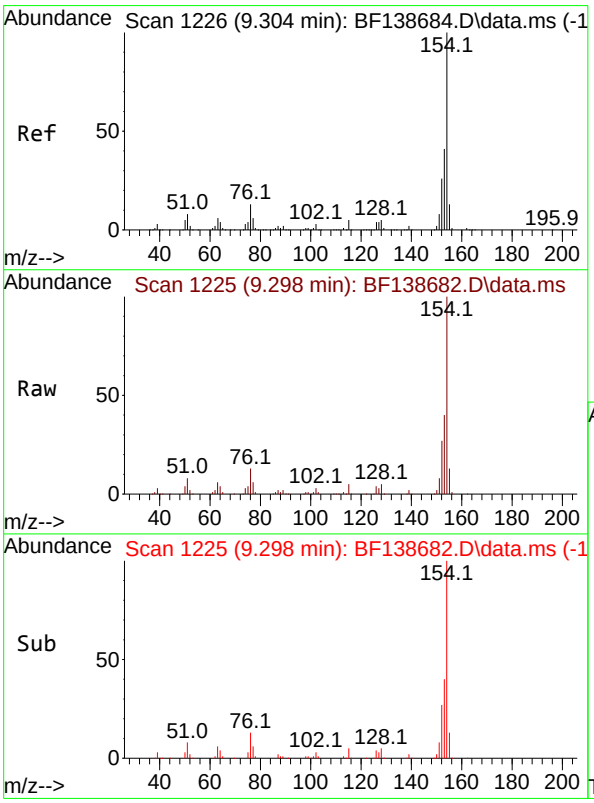
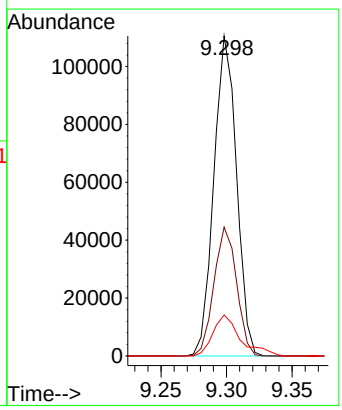
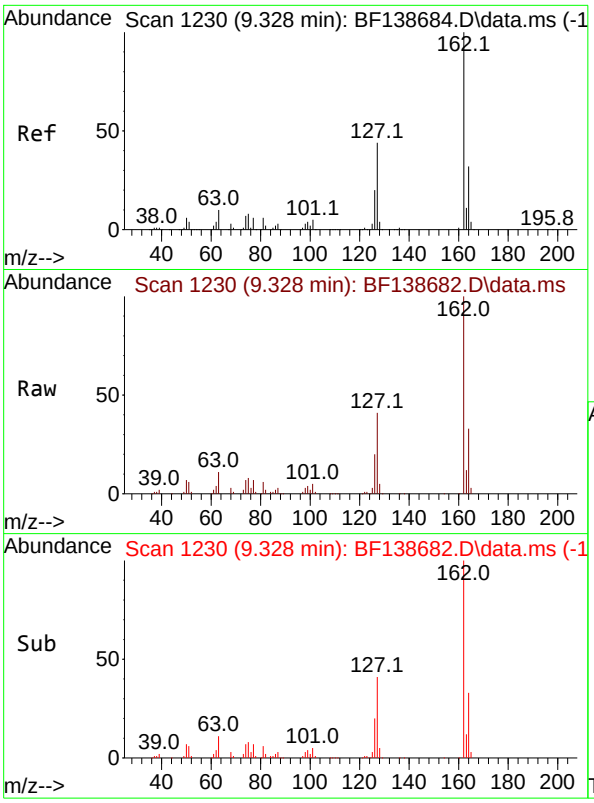


#46
1,1'-Biphenyl
Concen: 10.441 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:154 Resp: 132668

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

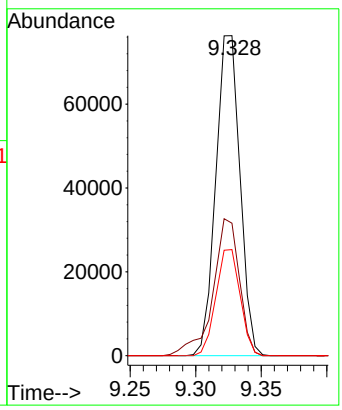




#47
2-Chloronaphthalene
Concen: 10.354 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:162 Resp: 9785

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



Instrument :
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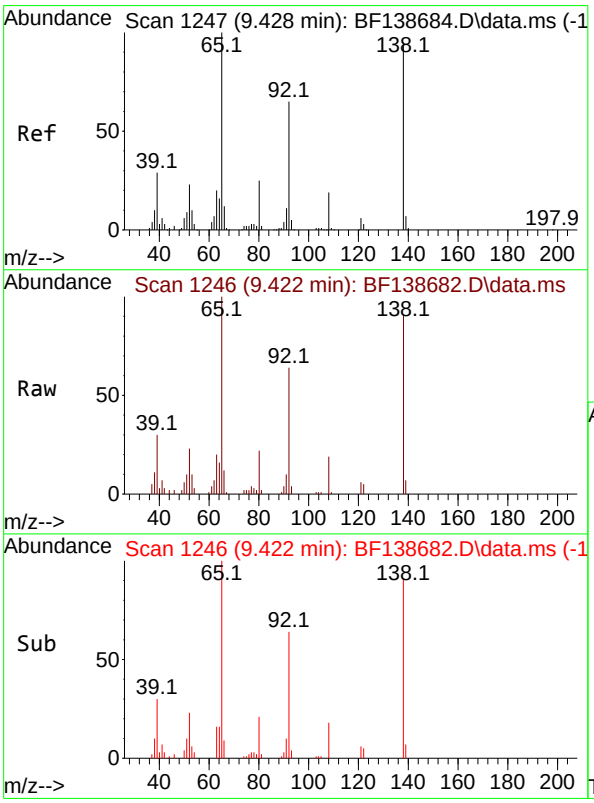
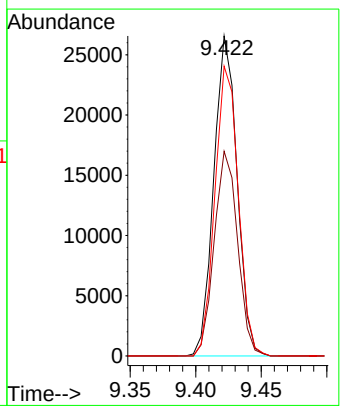
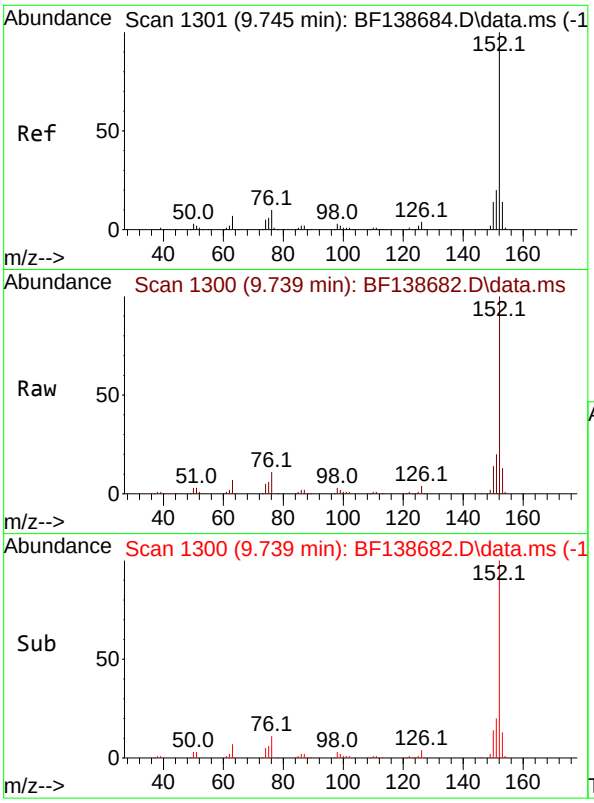


#48
2-Nitroaniline
Concen: 10.216 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 65 Resp: 32731

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

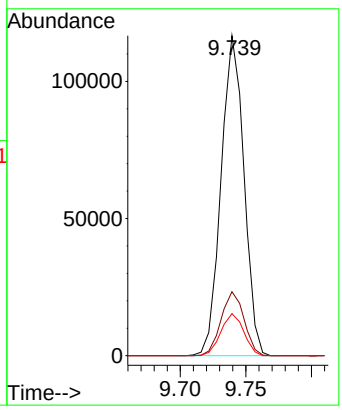




#49
Acenaphthylene
Concen: 10.552 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:152 Resp: 14143

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



Instrument :
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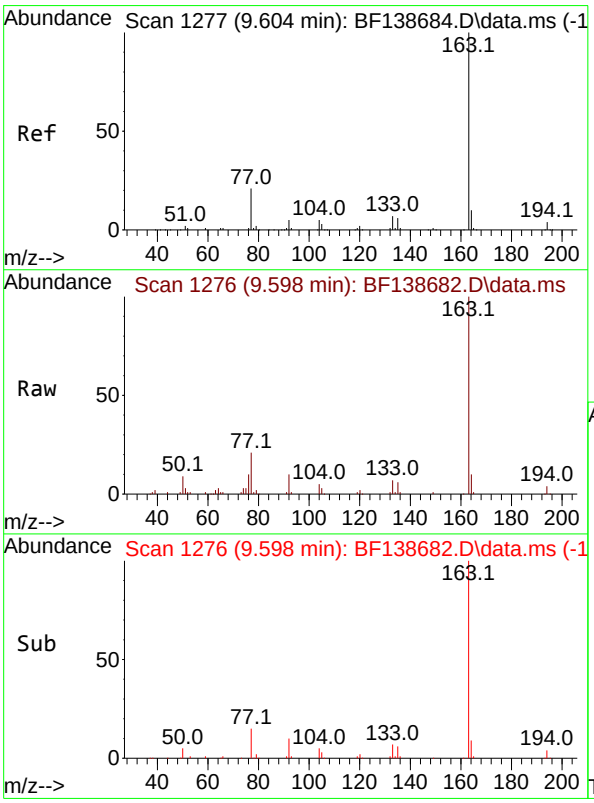
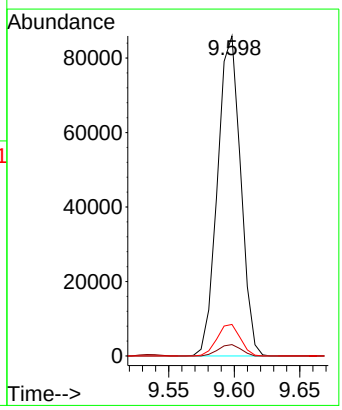
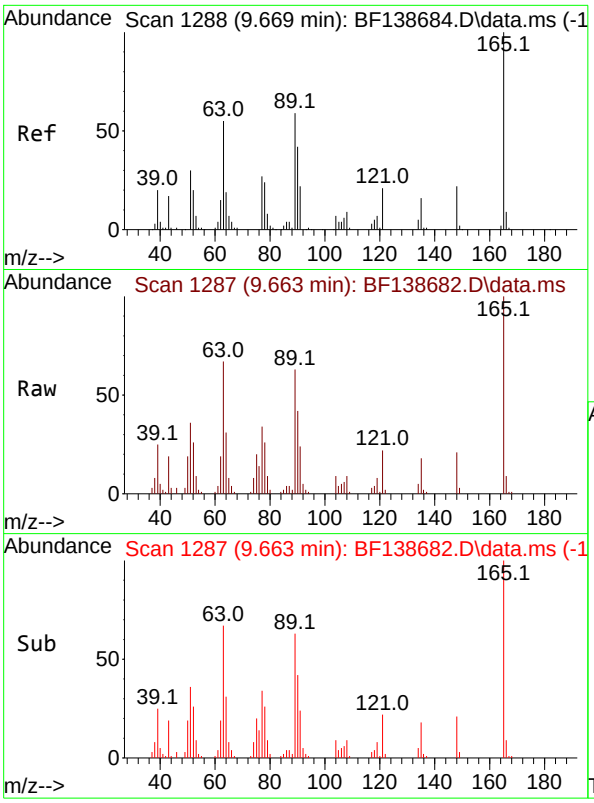


#50
Dimethylphthalate
Concen: 10.139 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:163 Resp: 105187

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

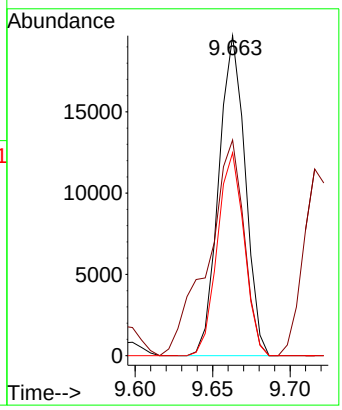




#51
2,6-Dinitrotoluene
Concen: 9.974 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:165 Resp: 2335

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



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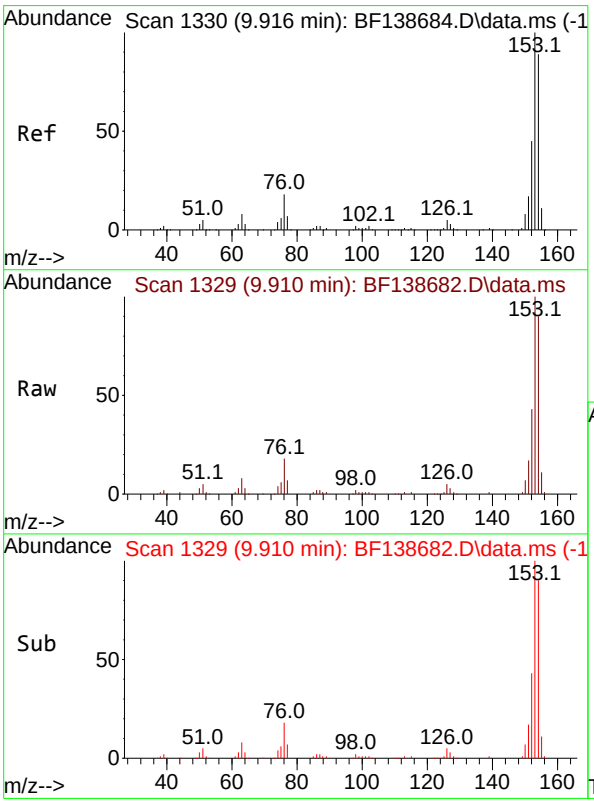
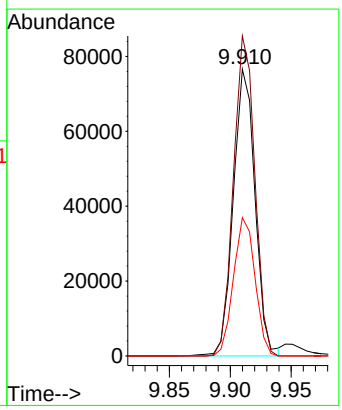
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

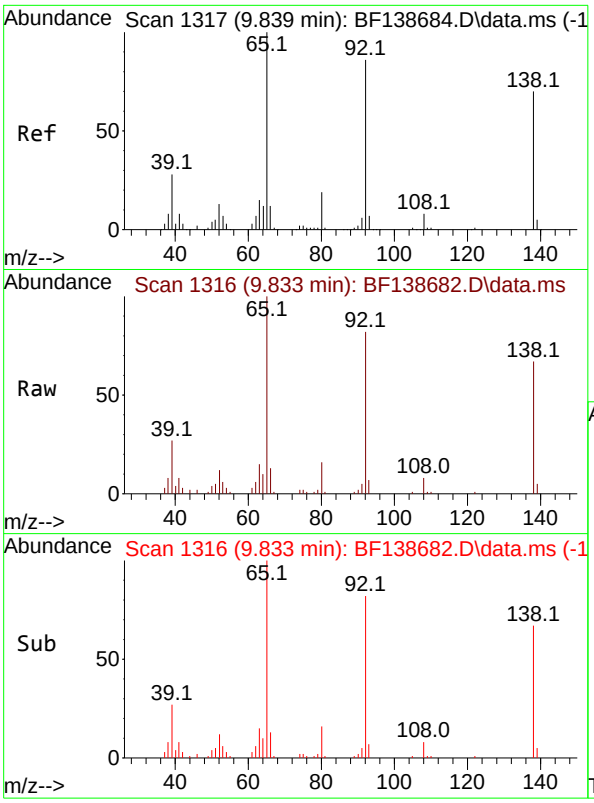


#52
Acenaphthene
Concen: 10.560 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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
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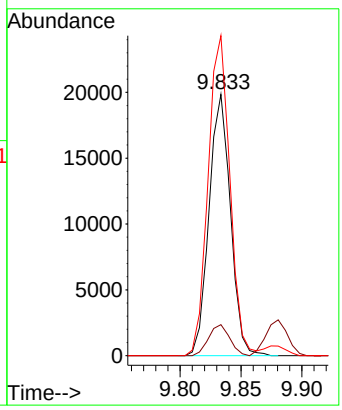
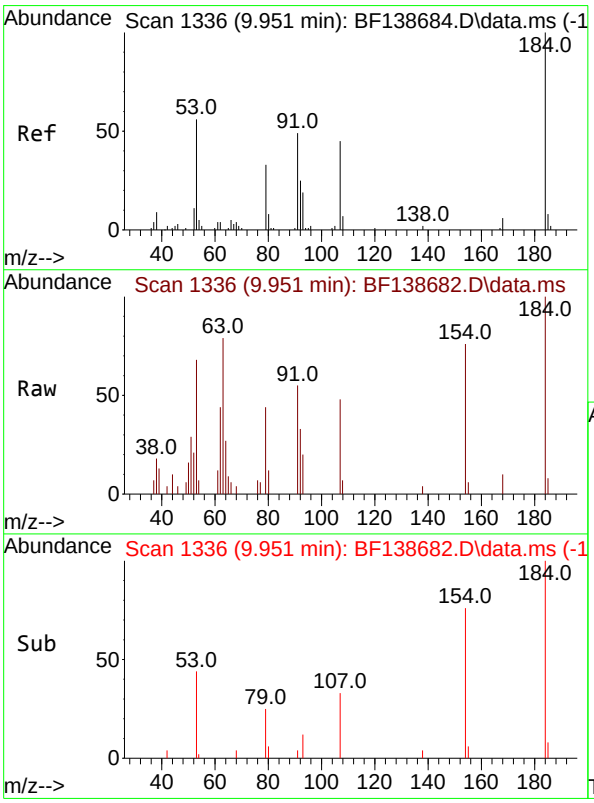
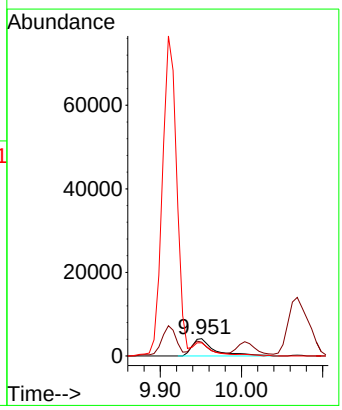


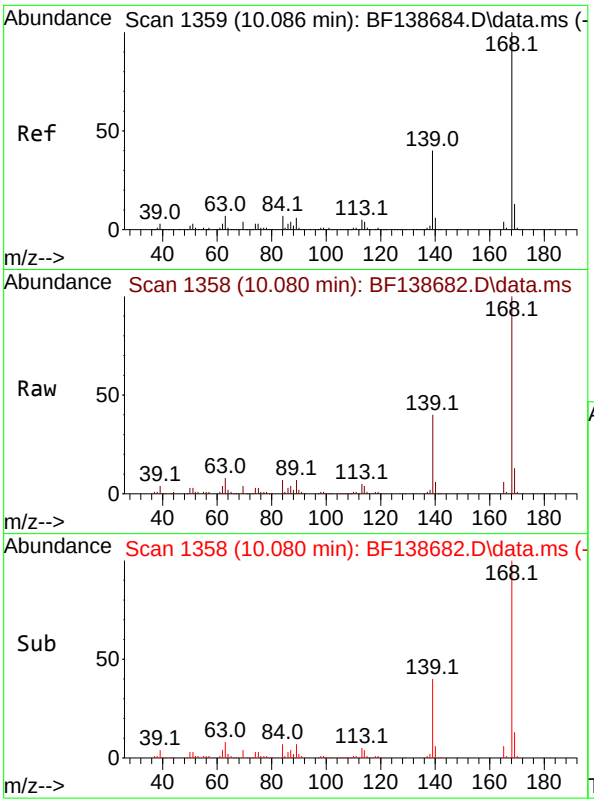


#54
2,4-Dinitrophenol
Concen: 7.337 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:184 Resp: 7908

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

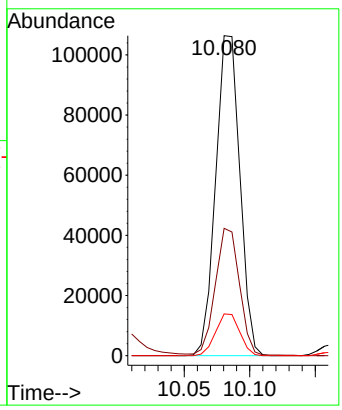




#55
Dibenzofuran
Concen: 10.717 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:168 Resp: 13630

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



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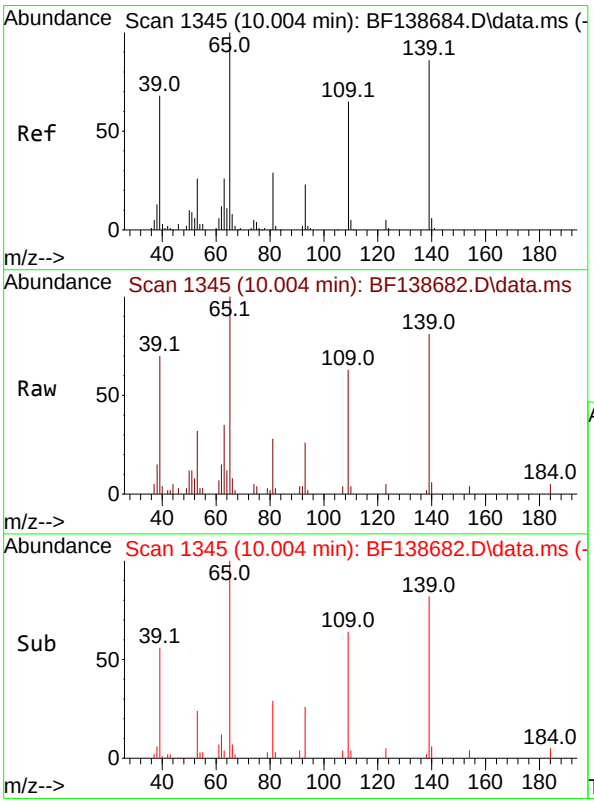
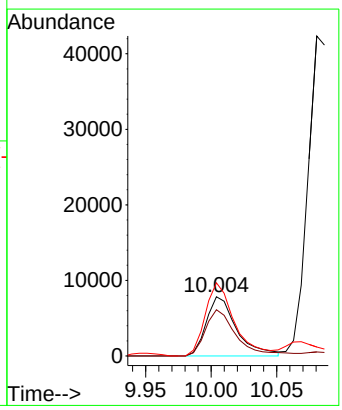
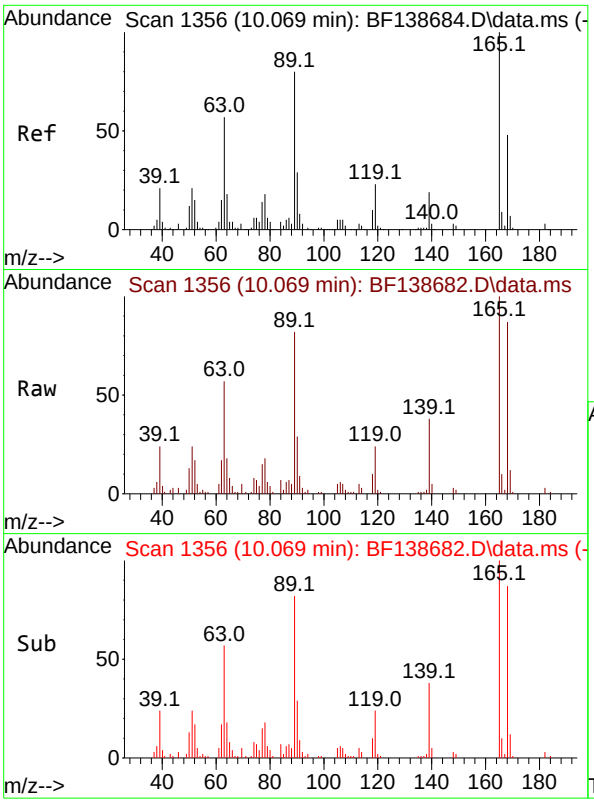


#56
4-Nitrophenol
Concen: 8.687 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:139 Resp: 12643

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

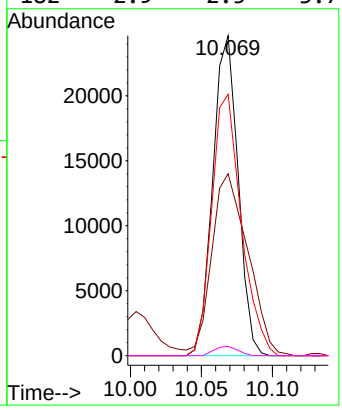




#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:165 Resp: 3046

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



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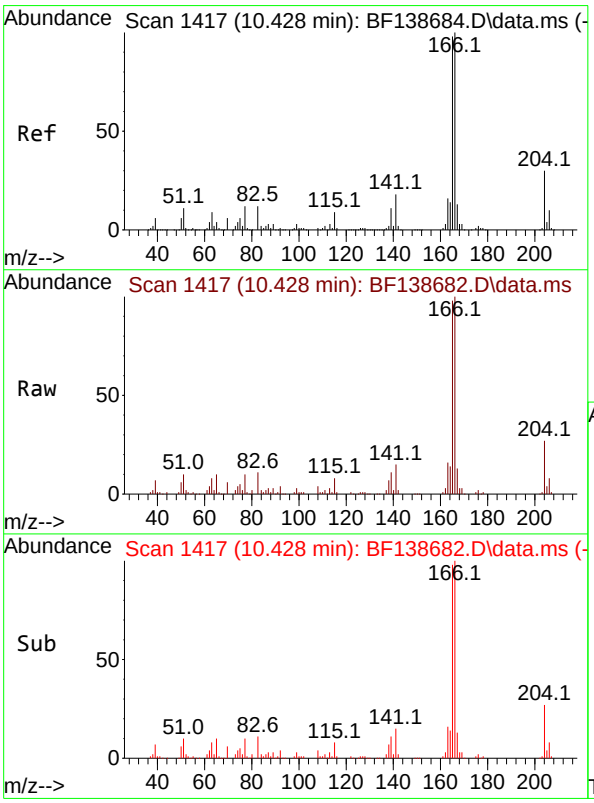
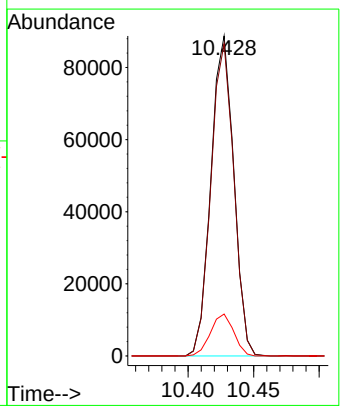
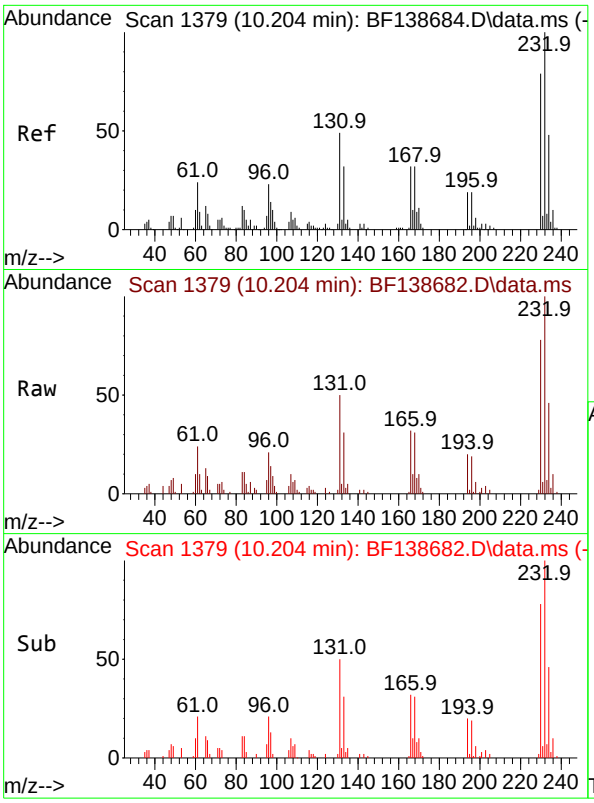


#58
Fluorene
Concen: 10.622 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:166 Resp: 107585

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

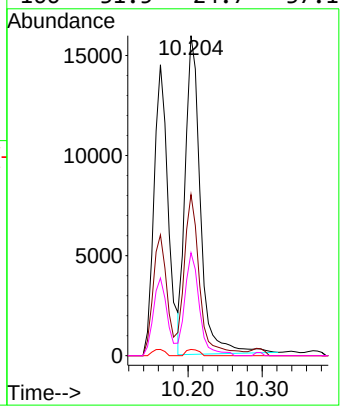




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.872 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:232 Resp: 2267

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



Instrument :
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ClientSampleId :
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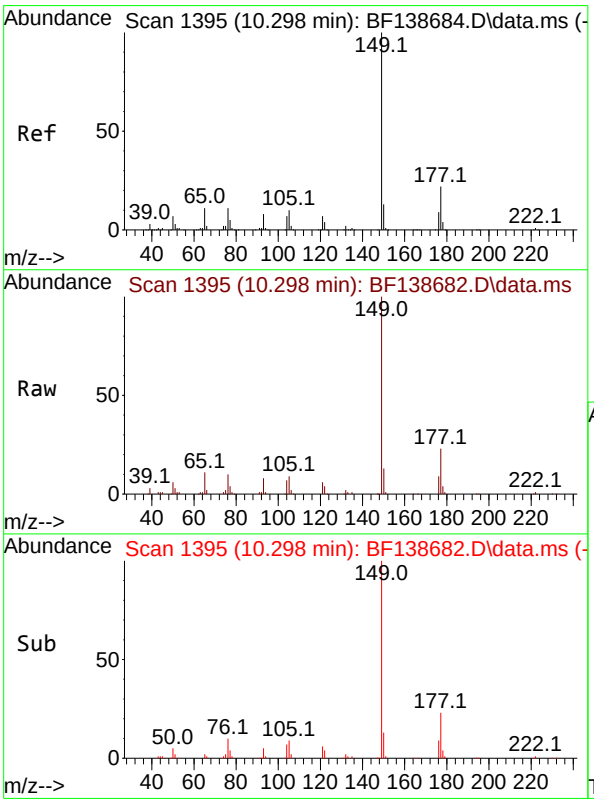
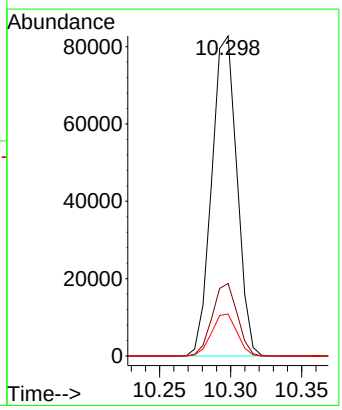
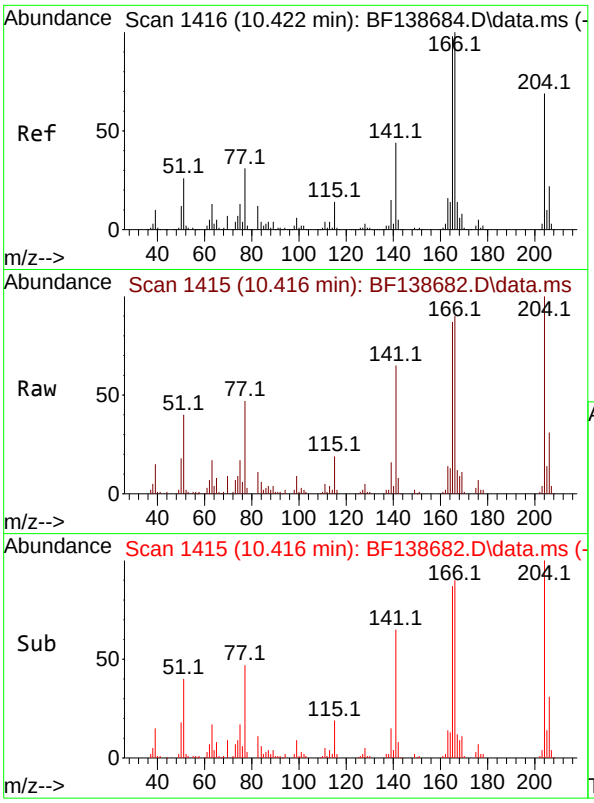


#60
Diethylphthalate
Concen: 10.381 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 102108

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

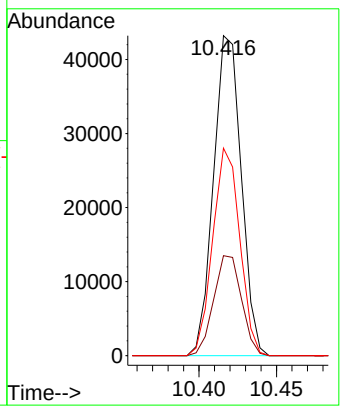




#61
4-Chlorophenyl-phenylether
Concen: 10.814 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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



Instrument :
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ClientSampleId :
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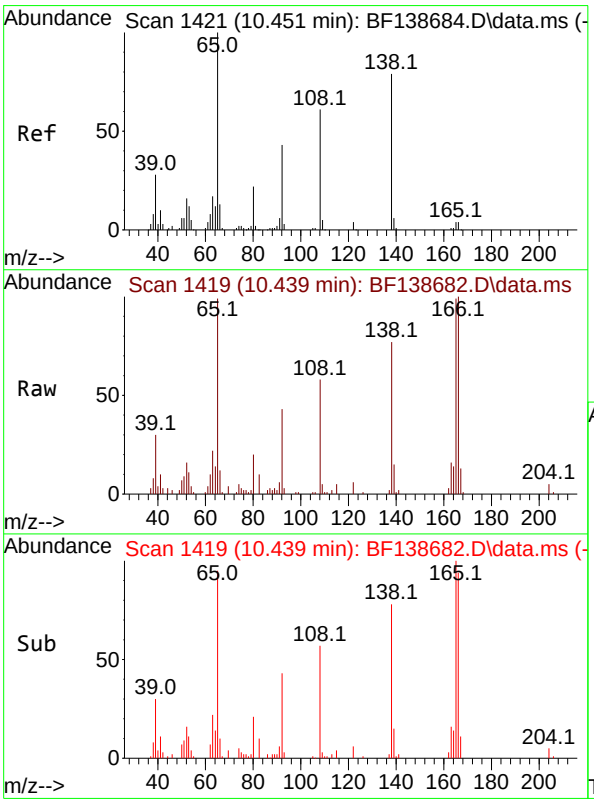
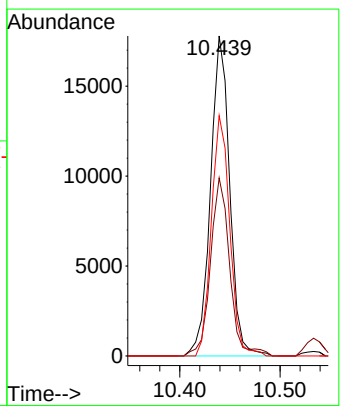
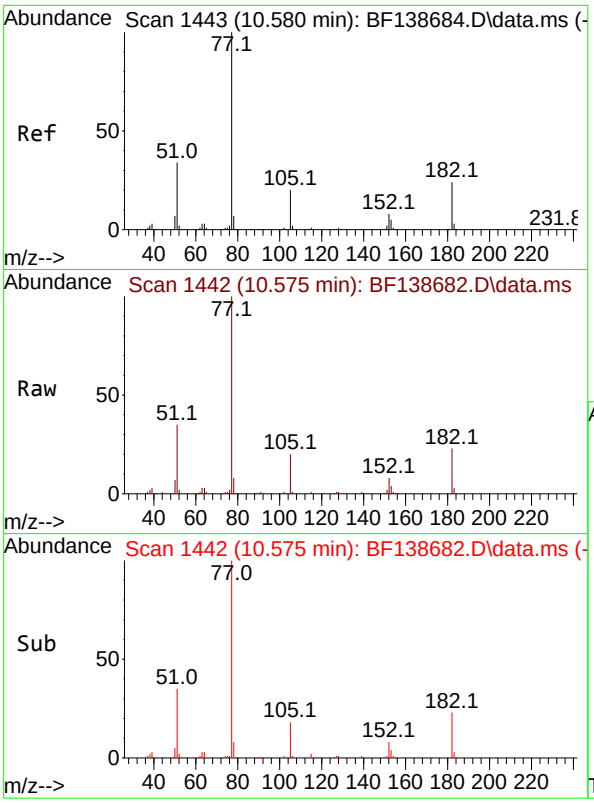


#62
4-Nitroaniline
Concen: 10.284 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:138 Resp: 23653

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

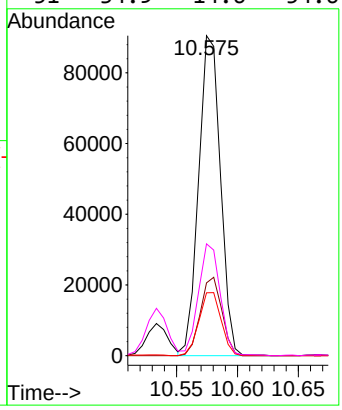




#63
Azobenzene
Concen: 10.347 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 11288

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



Instrument :
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ClientSampleId :
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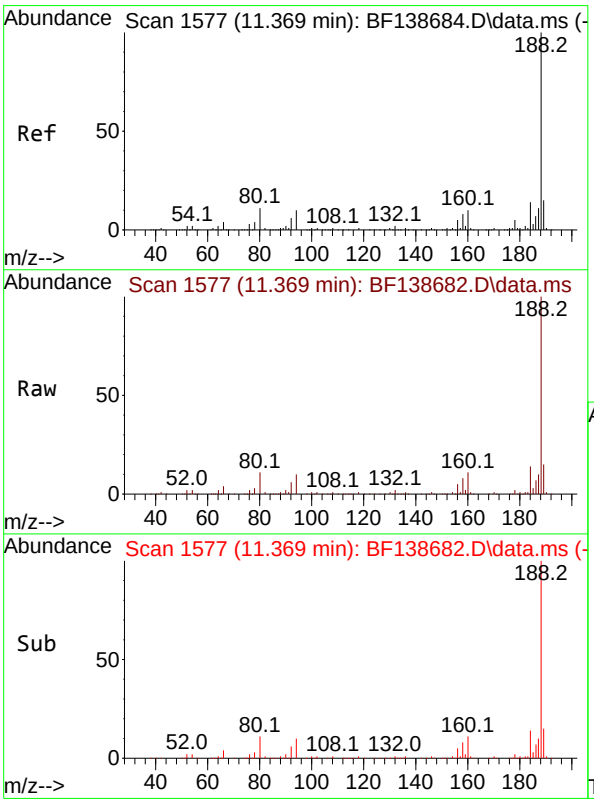
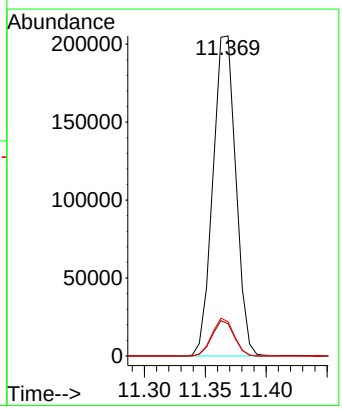
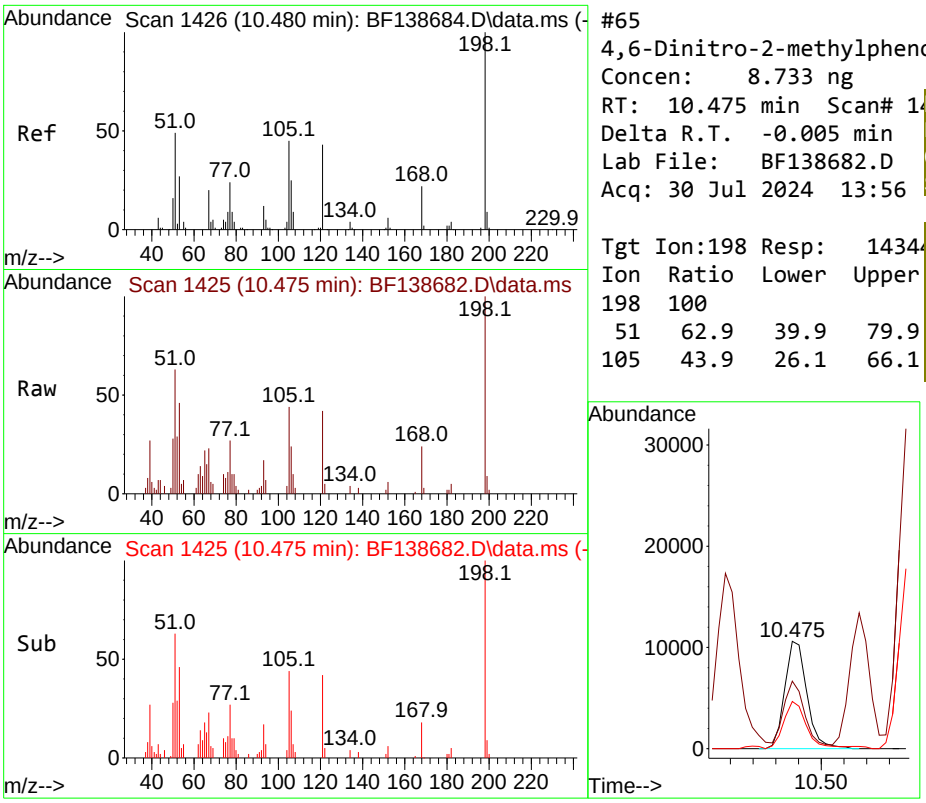


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:188 Resp: 269225

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





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

Tgt Ion:198 Resp: 1434

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

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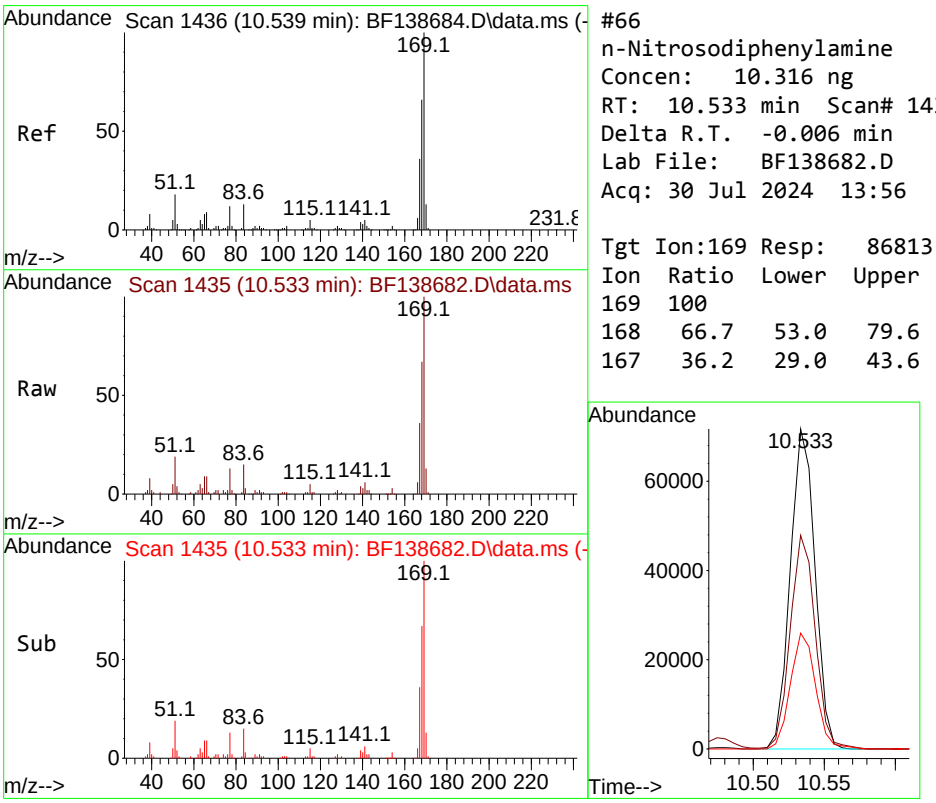
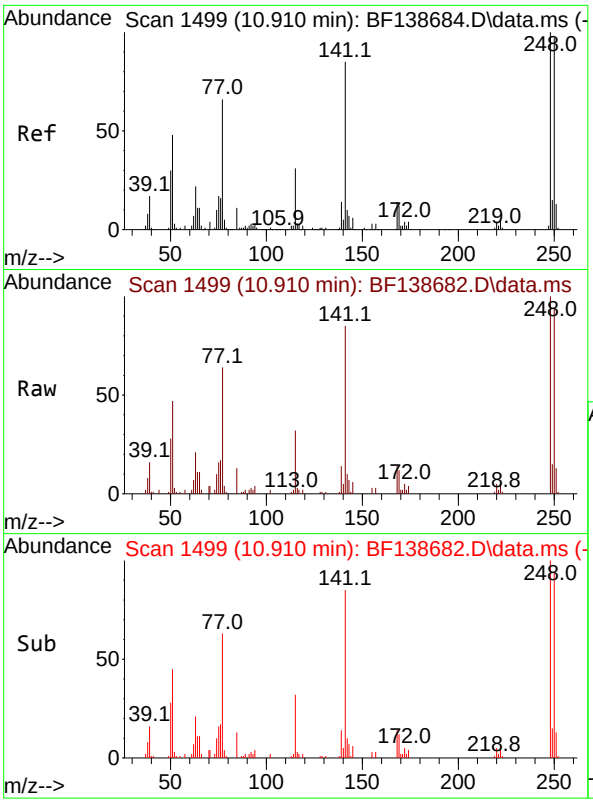


#66
n-Nitrosodiphenylamine
Concen: 10.316 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:169 Resp: 86813

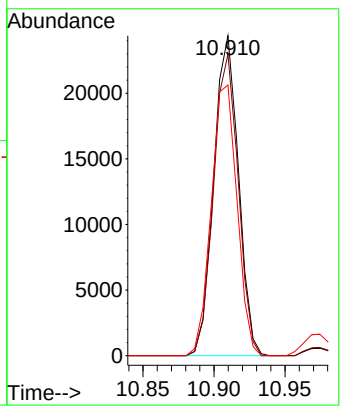
Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	36.2	29.0	43.6



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

Tgt Ion:248 Resp: 2951

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



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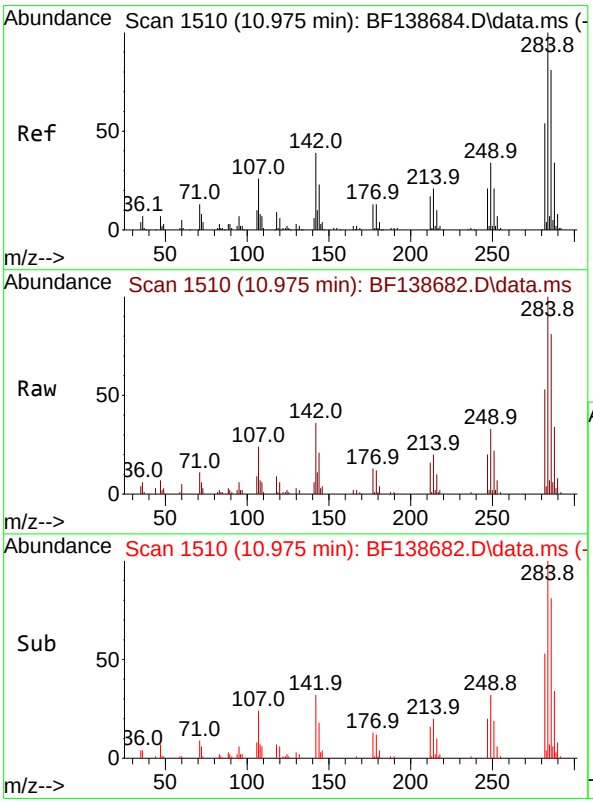
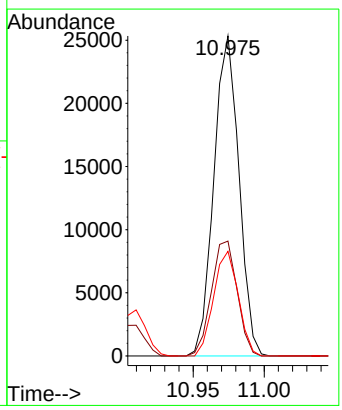
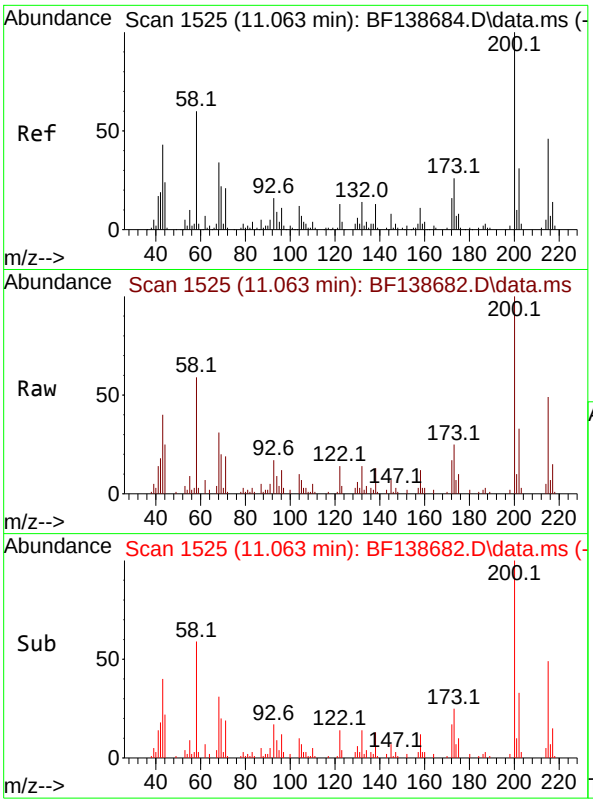


#68
Hexachlorobenzene
Concen: 10.317 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:284 Resp: 31049

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

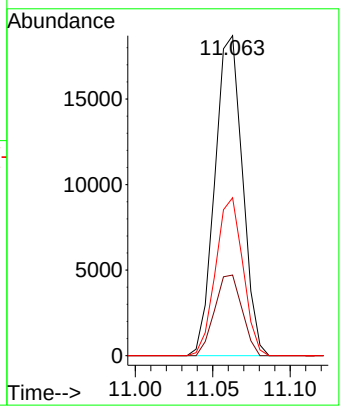




#69
Atrazine
Concen: 10.680 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:200 Resp: 2318

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



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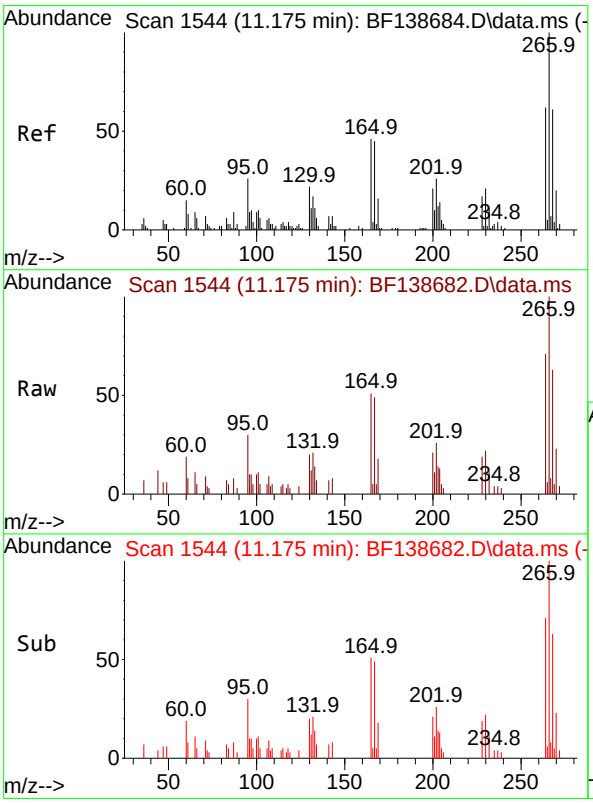
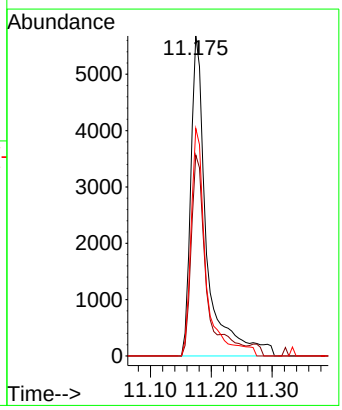
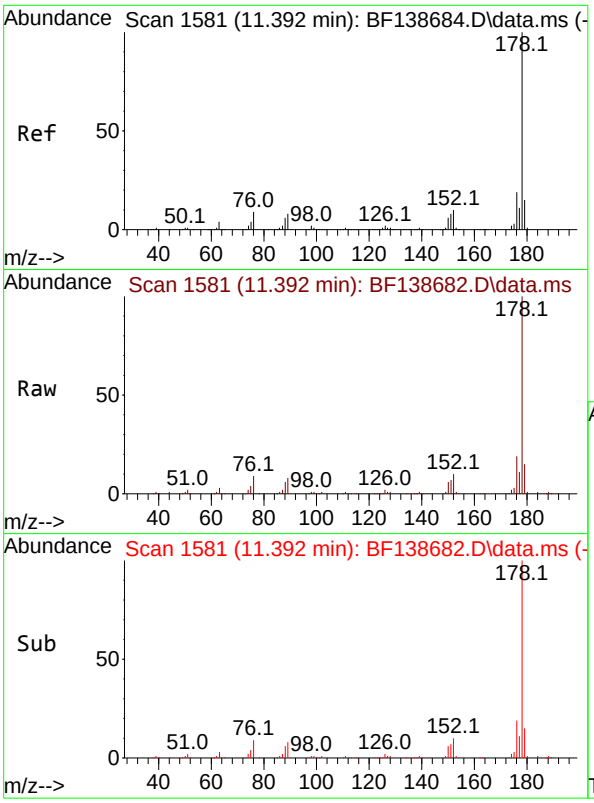


#70
Pentachlorophenol
Concen: 7.661 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:266 Resp: 10392

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

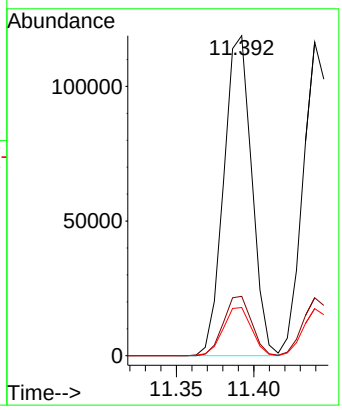




#71
Phenanthrene
Concen: 10.766 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:178 Resp: 14925

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



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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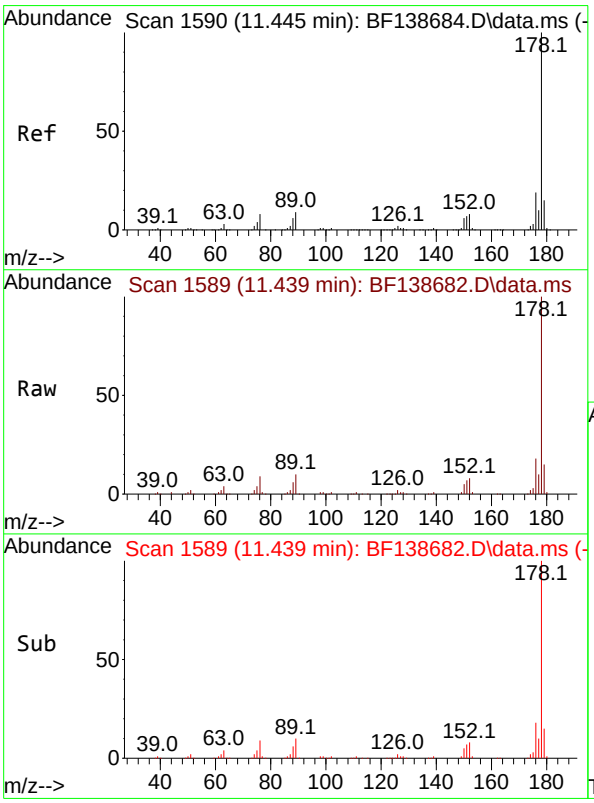
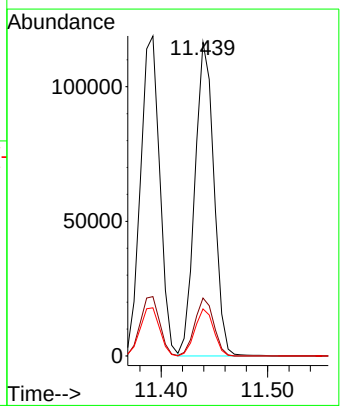
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

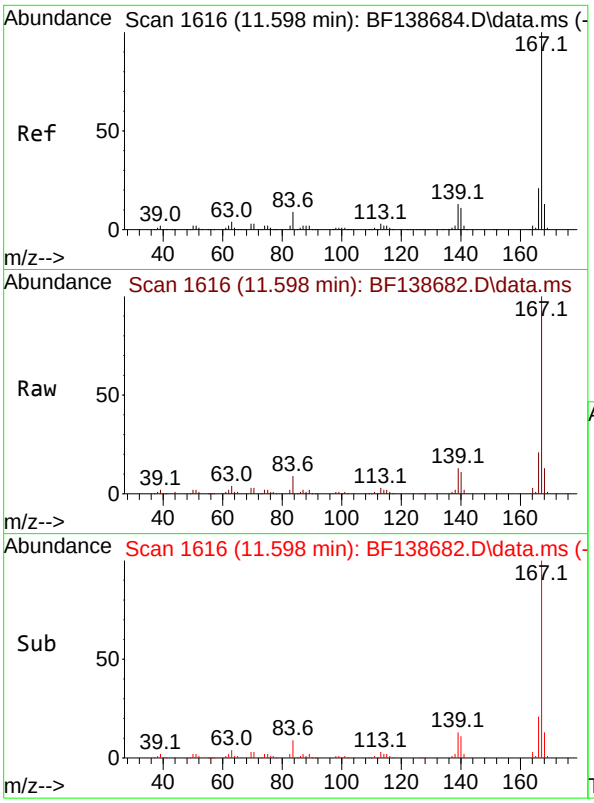


#72
Anthracene
Concen: 10.620 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

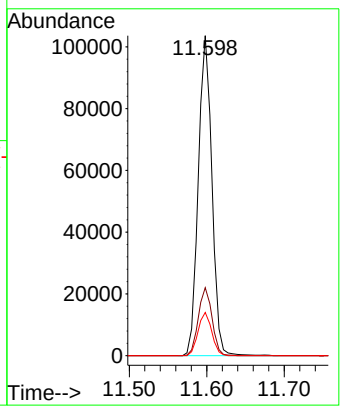




#73
Carbazole
Concen: 10.721 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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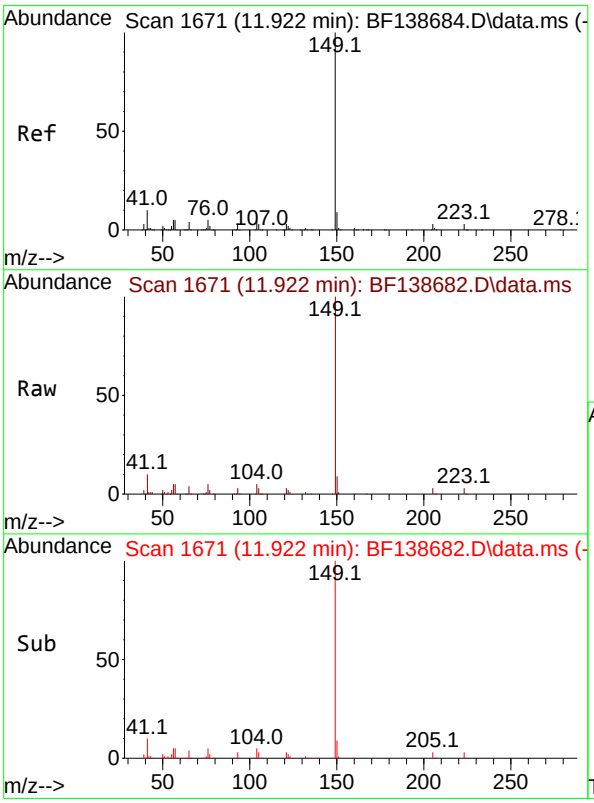
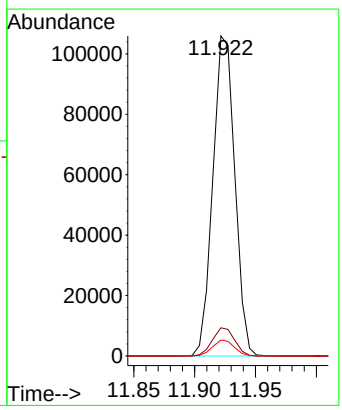
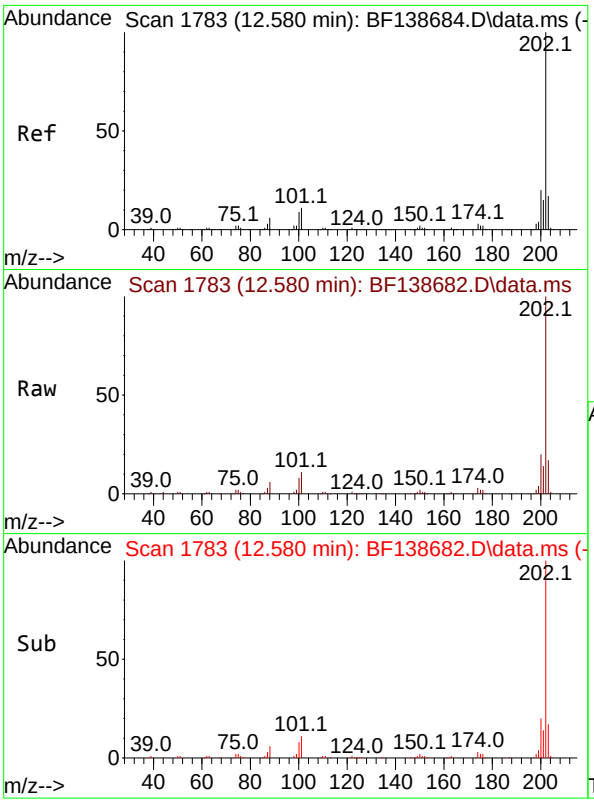


#74
Di-n-butylphthalate
Concen: 10.060 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 133246

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

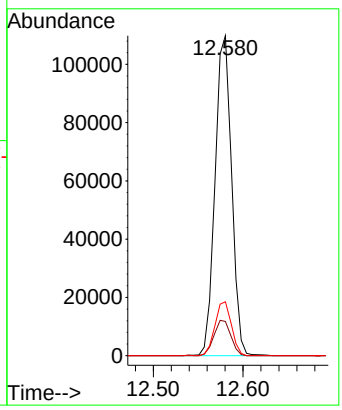




#75
Fluoranthene
Concen: 10.871 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:202 Resp: 14069

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



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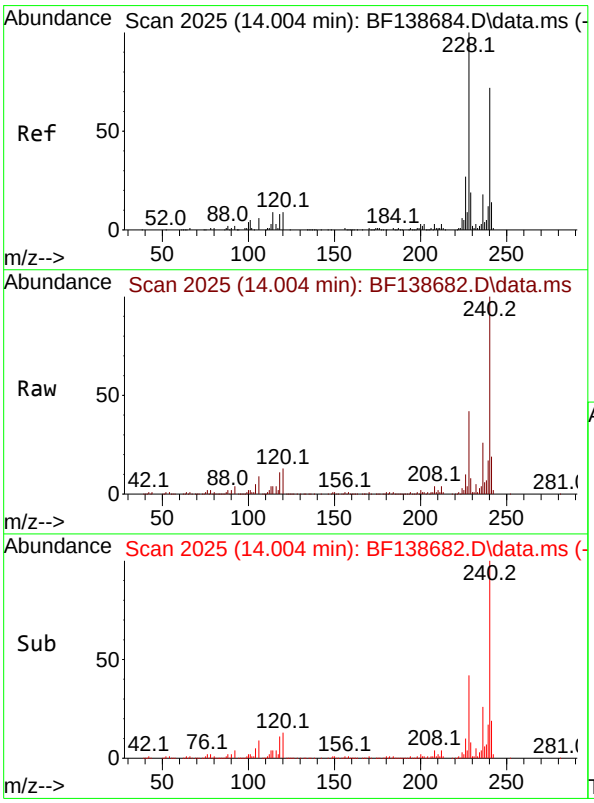
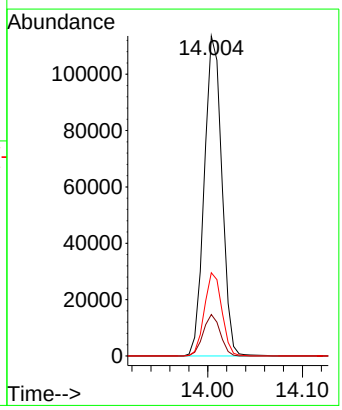
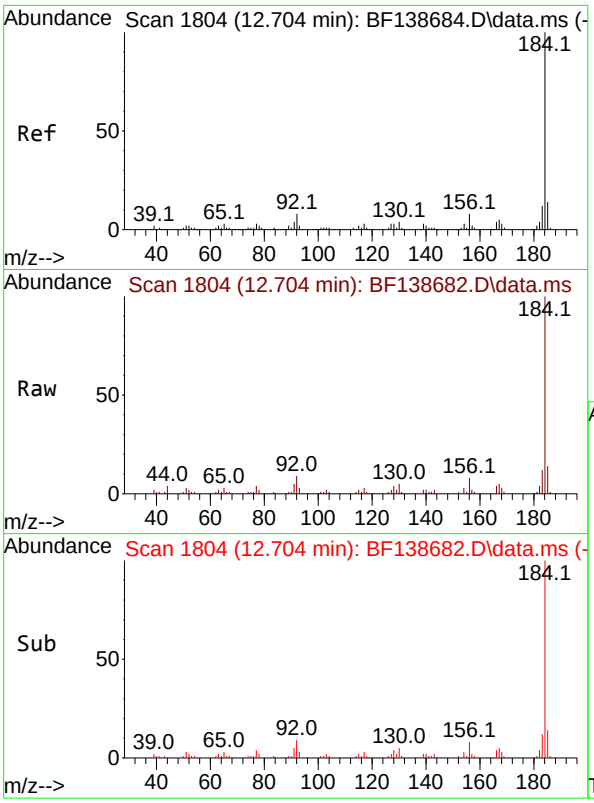


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

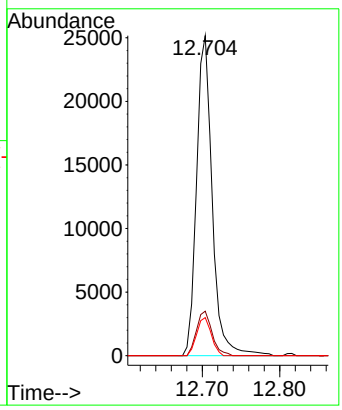




#77
Benzidine
Concen: 10.080 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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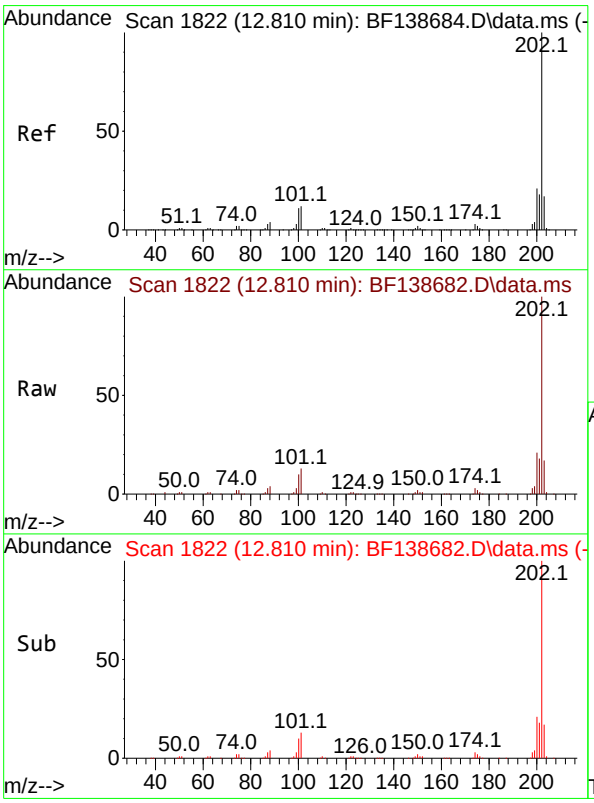
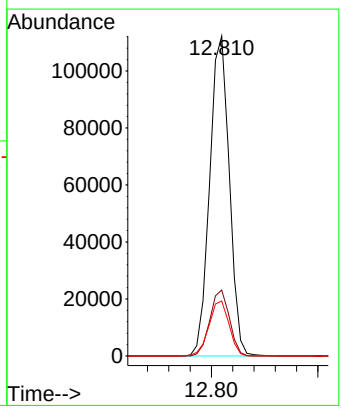
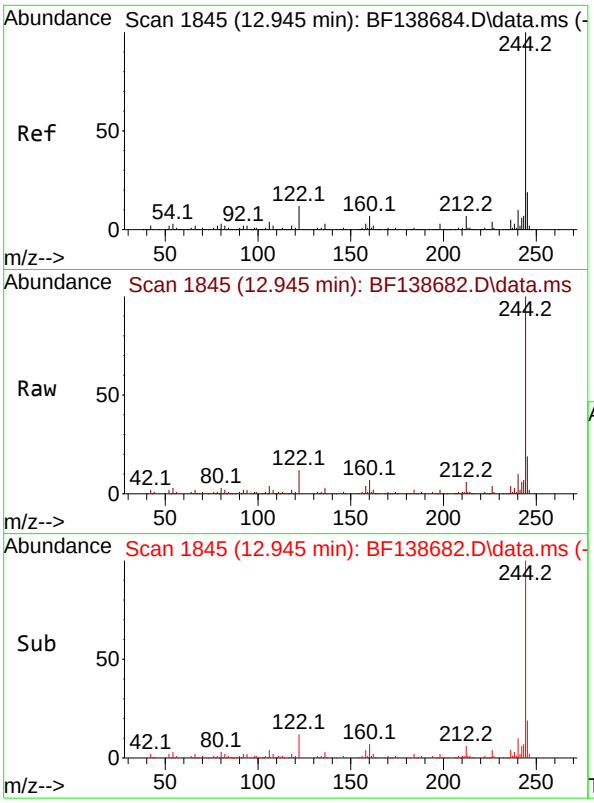


#78
Pyrene
Concen: 10.400 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

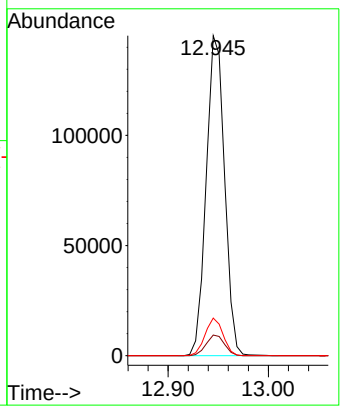




#79
Terphenyl-d14
Concen: 21.187 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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ClientSampleId :
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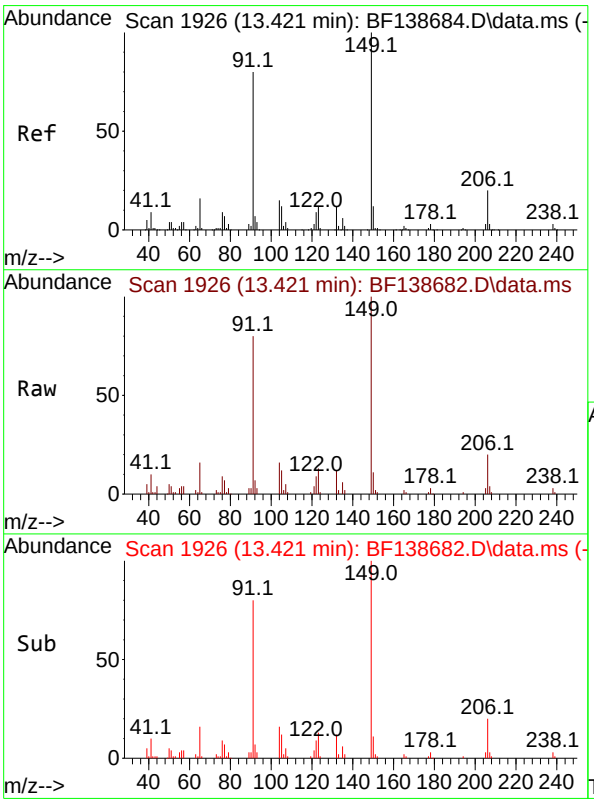
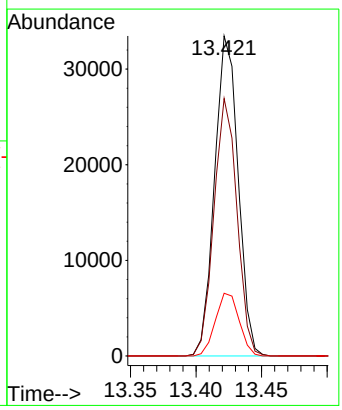
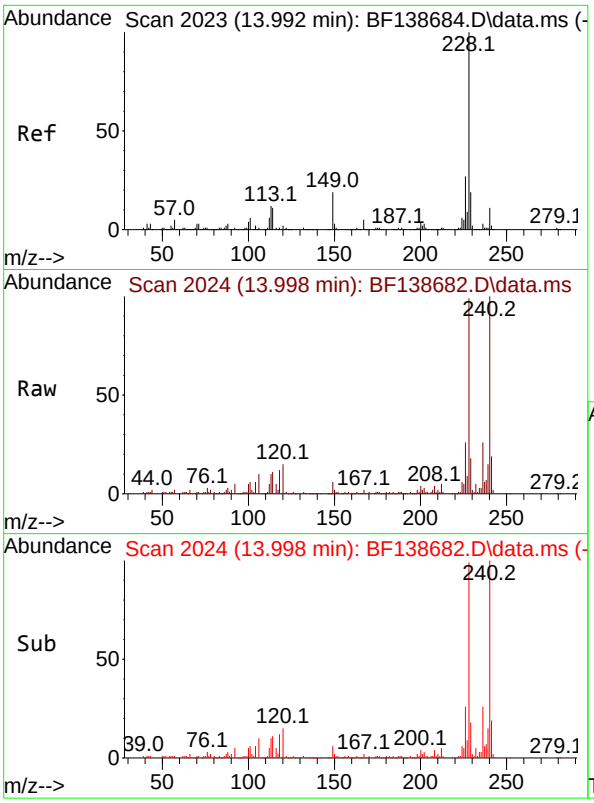


#80
Butylbenzylphthalate
Concen: 9.472 ng
RT: 13.421 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 41771

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





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

Tgt Ion:228 Resp: 10518

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

Instrument :
BNA_F
ClientSampleId :
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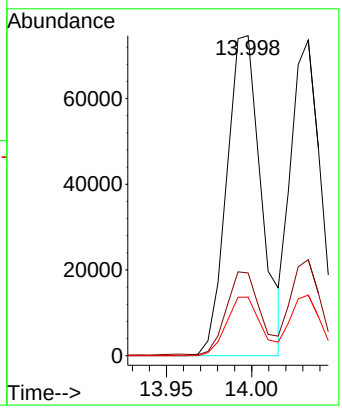
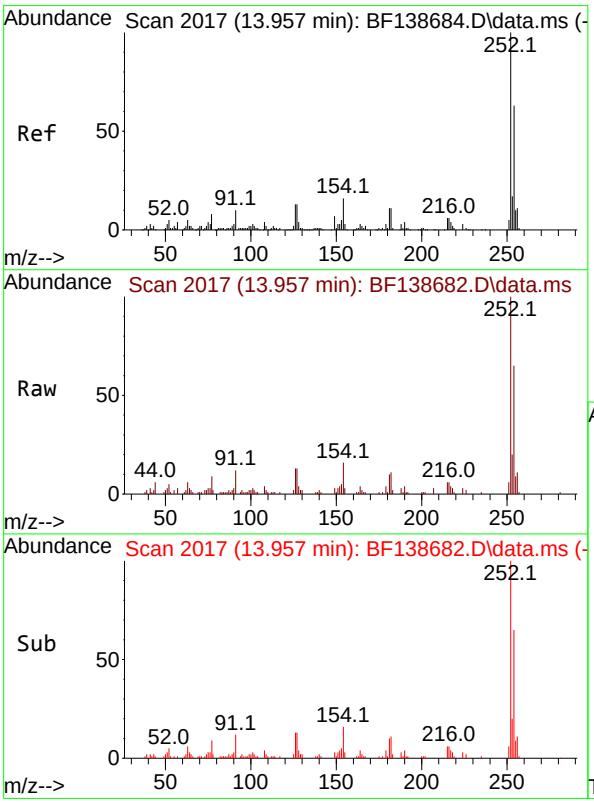
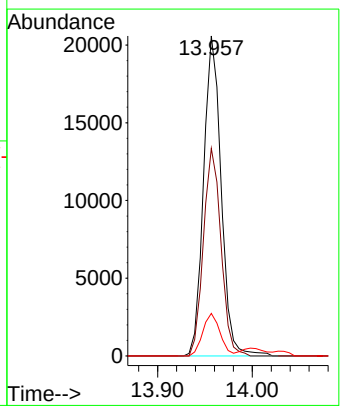


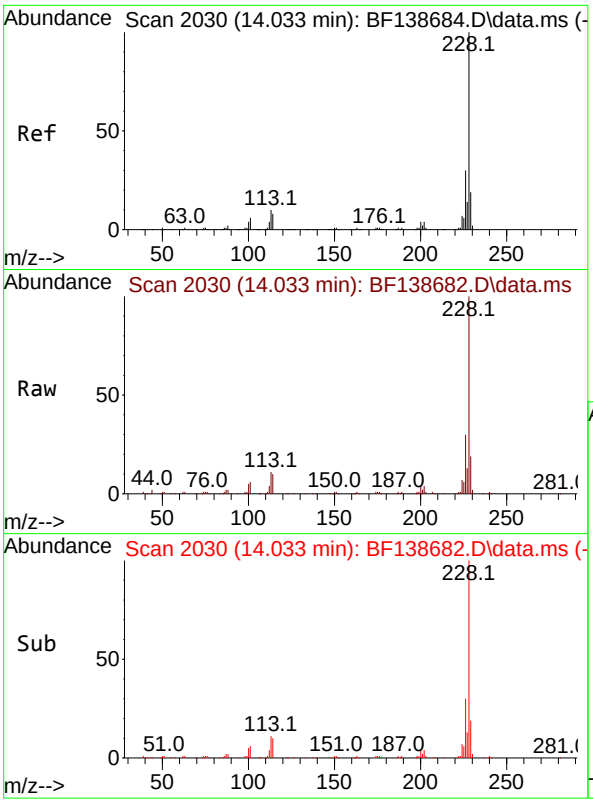


#82
3,3'-Dichlorobenzidine
Concen: 10.314 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

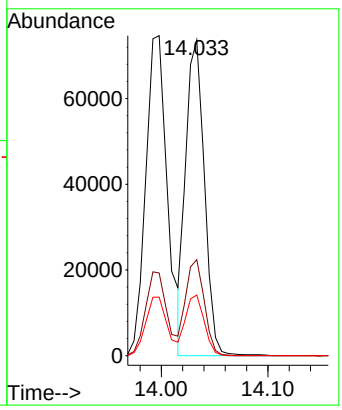




#83
Chrysene
Concen: 9.881 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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ClientSampleId :
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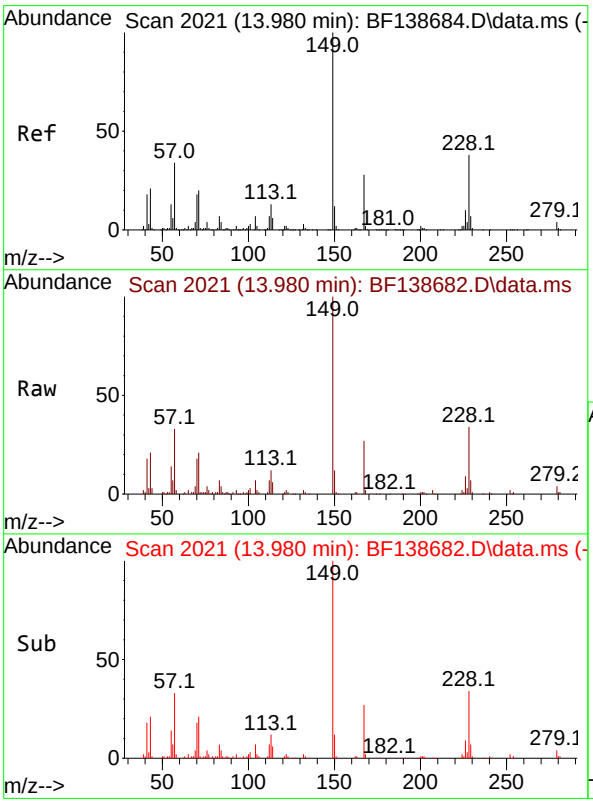
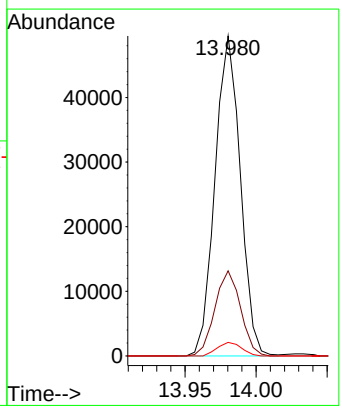
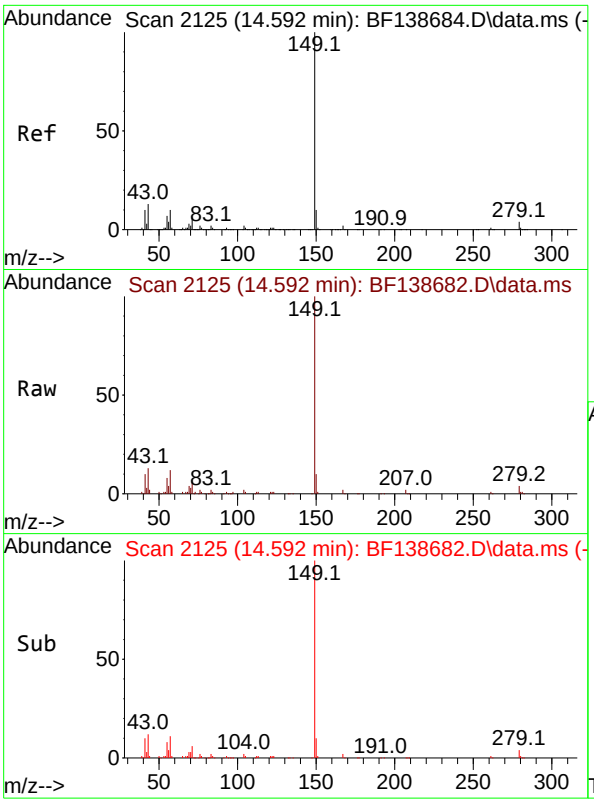


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.495 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

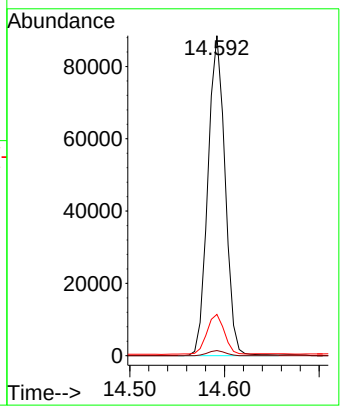




#85
Di-n-octyl phthalate
Concen: 9.329 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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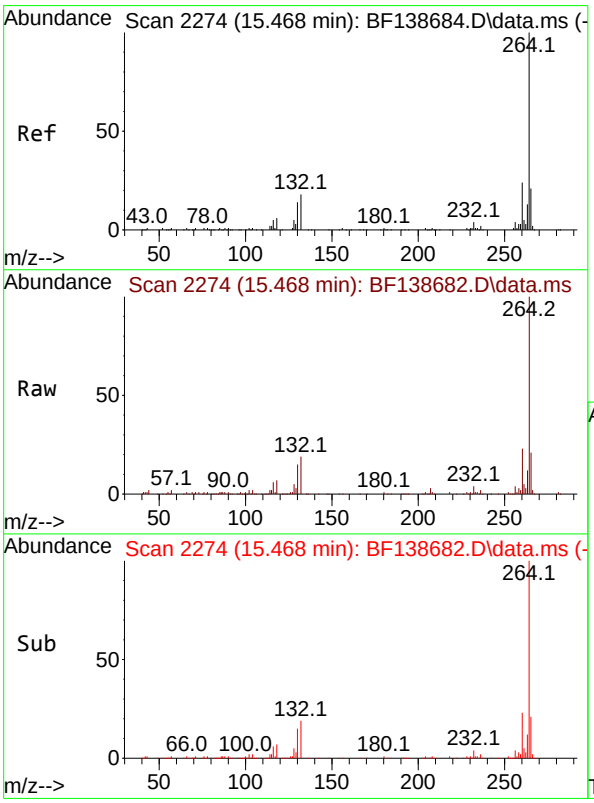
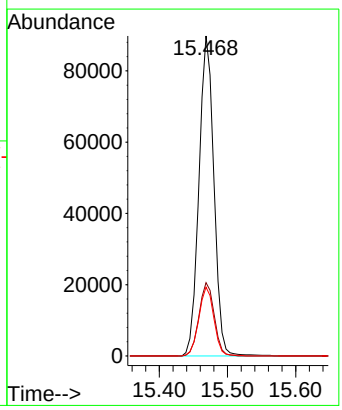
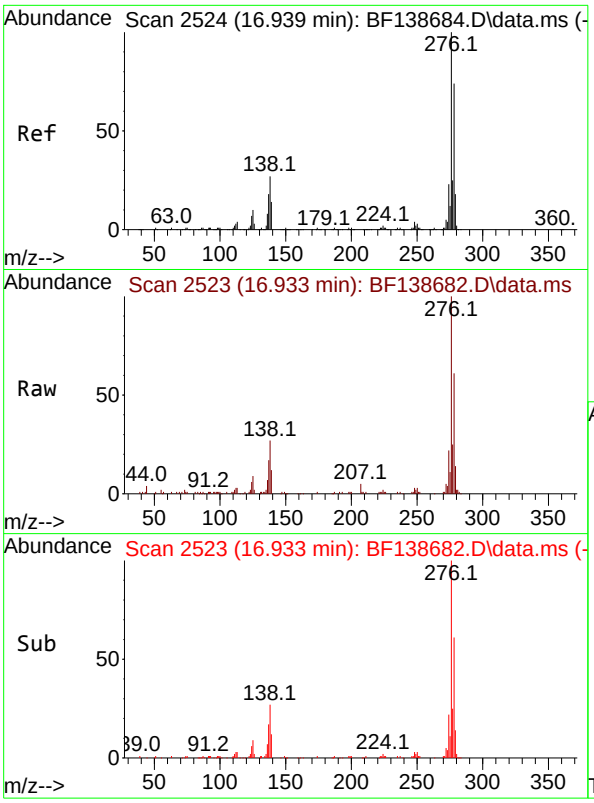


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

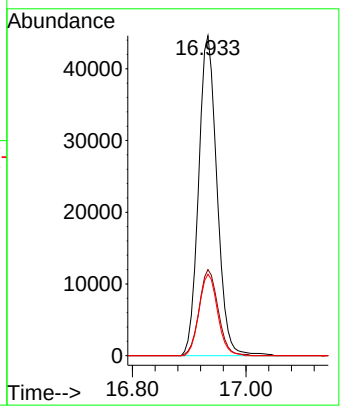




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.215 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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



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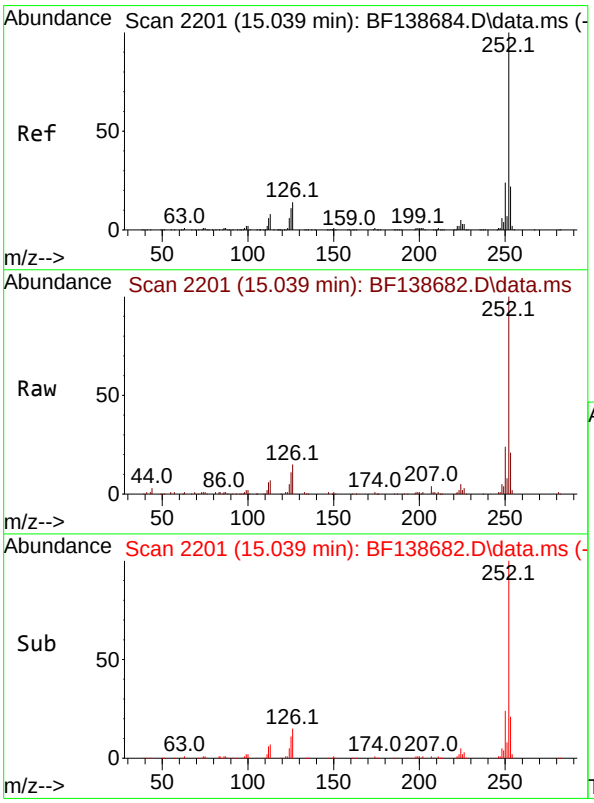
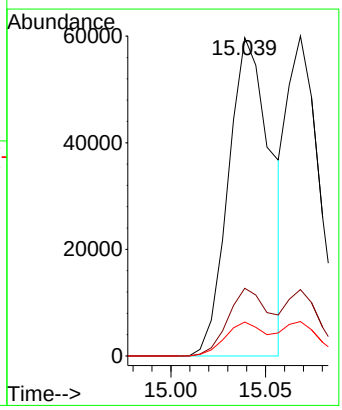
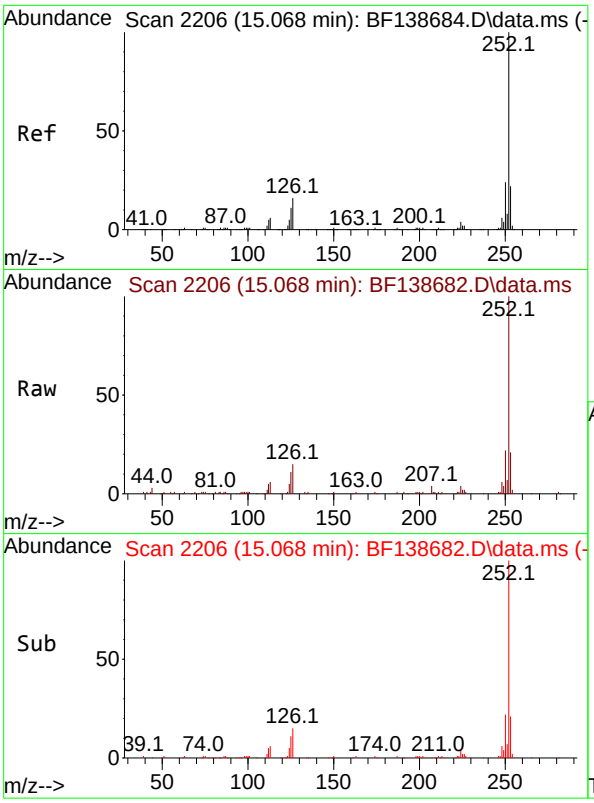


#88
Benzo(b)fluoranthene
Concen: 10.980 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

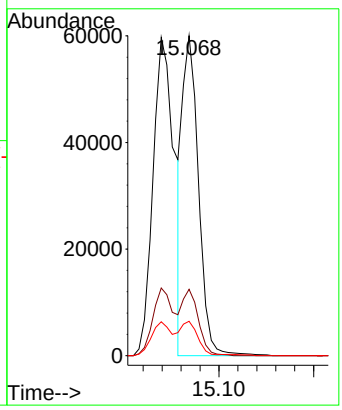




#89
Benzo(k)fluoranthene
Concen: 9.717 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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 :
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ClientSampleId :
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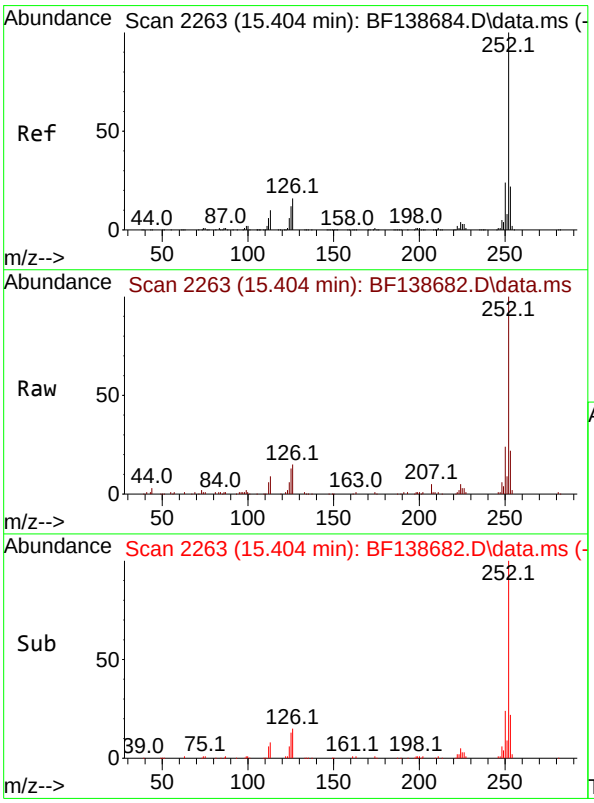
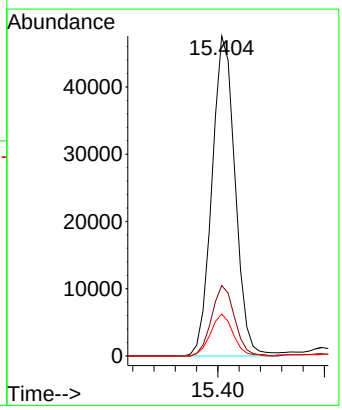
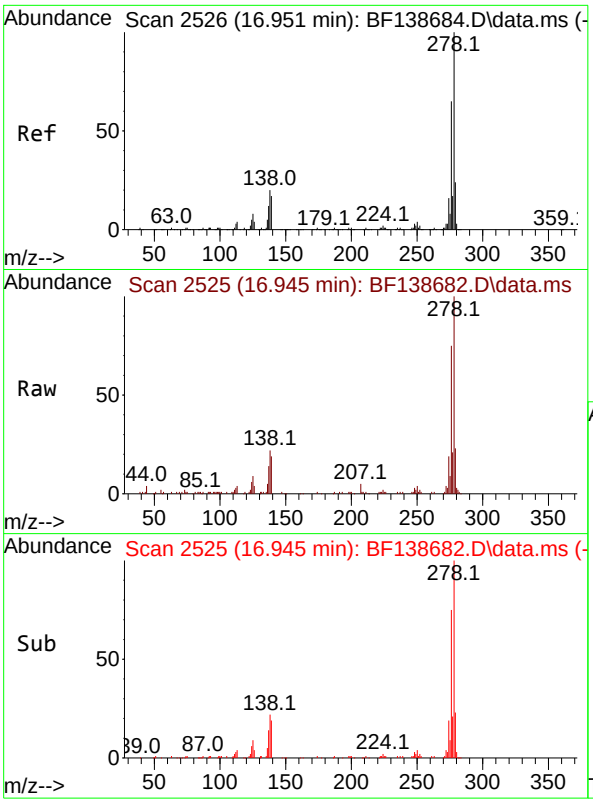


#90
Benzo(a)pyrene
Concen: 10.038 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:252 Resp: 71724

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	13.1	9.5	14.3

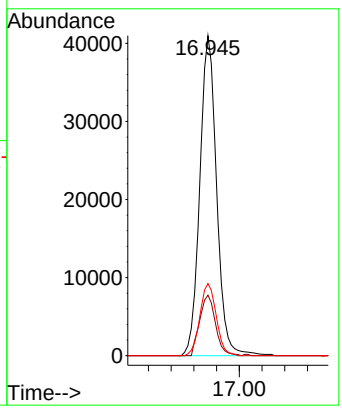




#91
Dibenzo(a,h)anthracene
Concen: 10.465 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:278 Resp: 8435

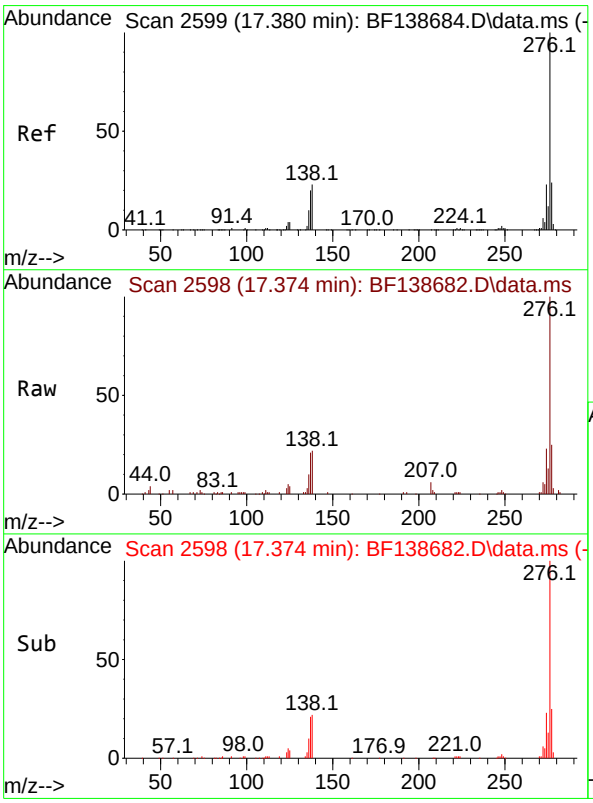
Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.0	21.0
279	22.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

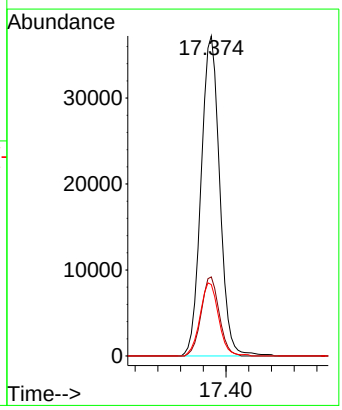
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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



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

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

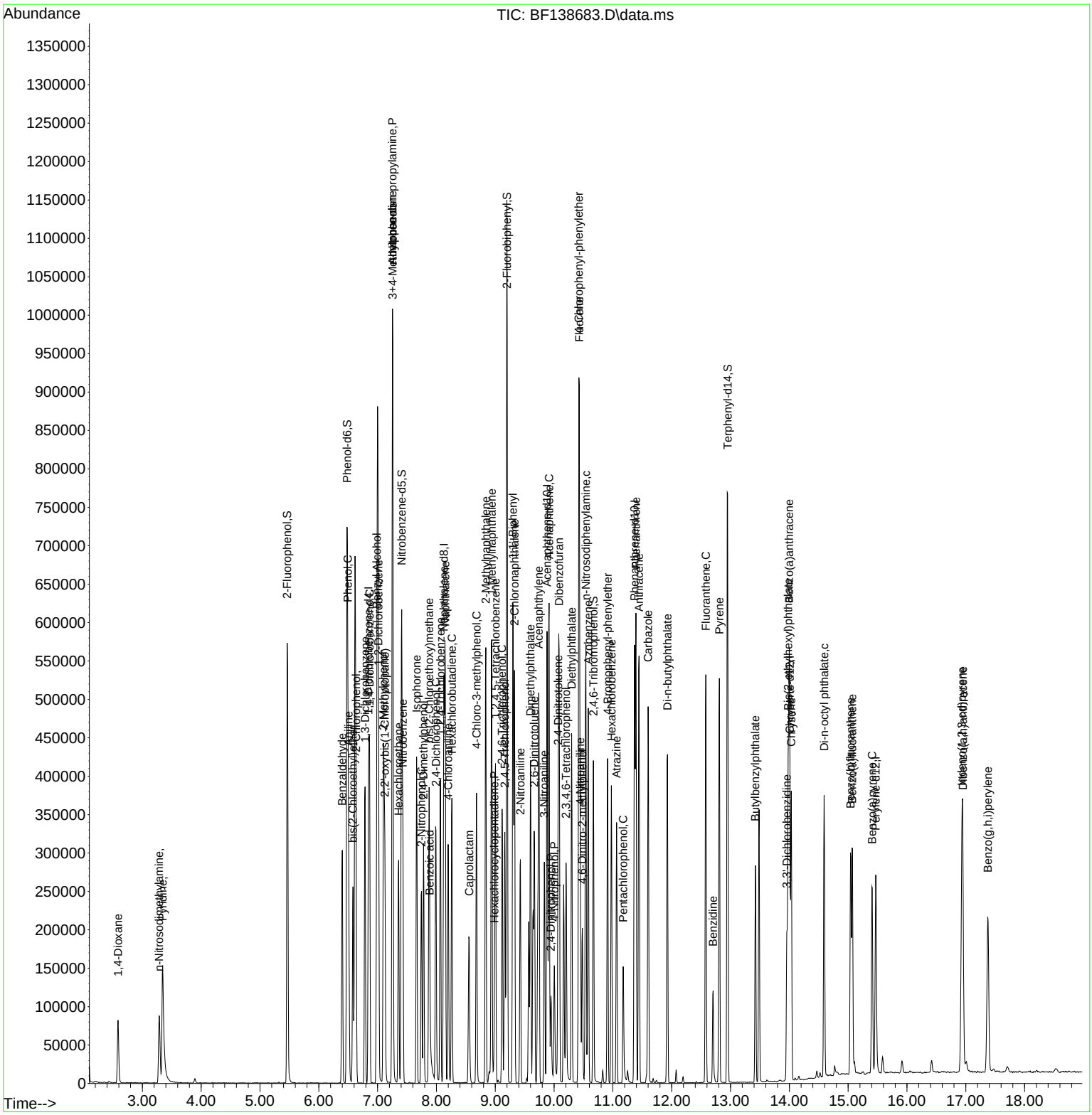
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	64272	20.907	ng	97
46) 1,1'-Biphenyl	9.298	154	270560	20.807	ng	100
47) 2-Chloronaphthalene	9.328	162	201367	20.822	ng	98
48) 2-Nitroaniline	9.428	65	68663	20.943	ng	97
49) Acenaphthylene	9.739	152	289321	21.093	ng	99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

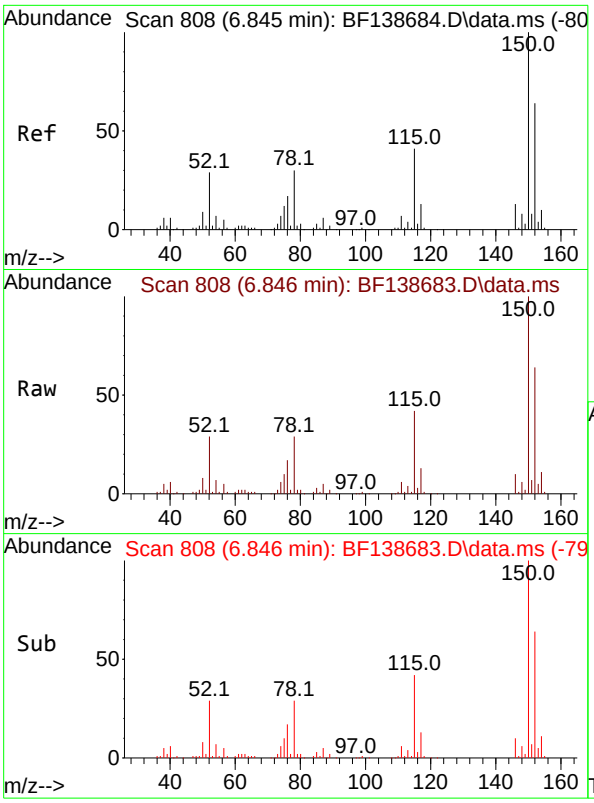
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



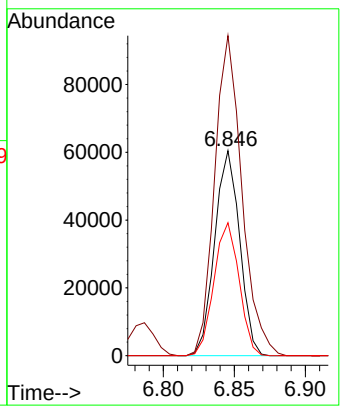


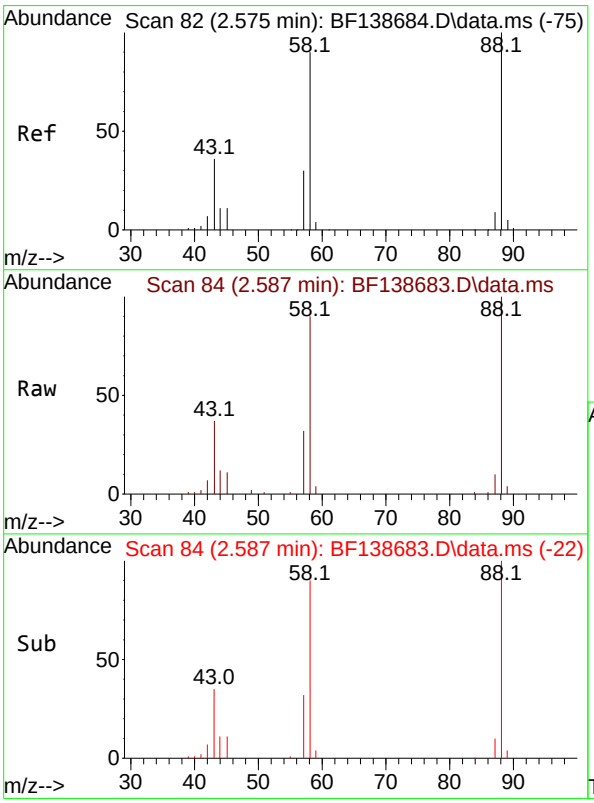
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

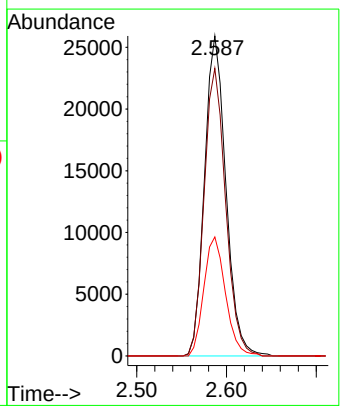


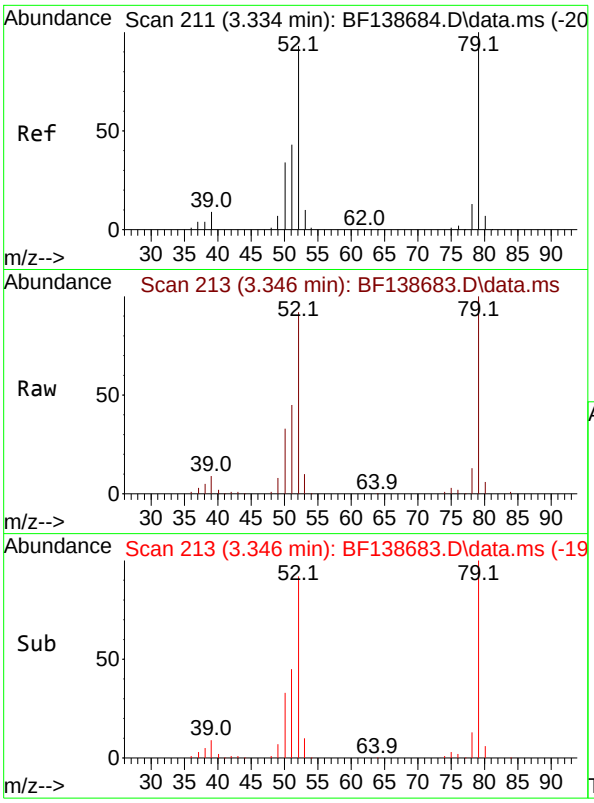


#2
1,4-Dioxane
Concen: 20.480 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



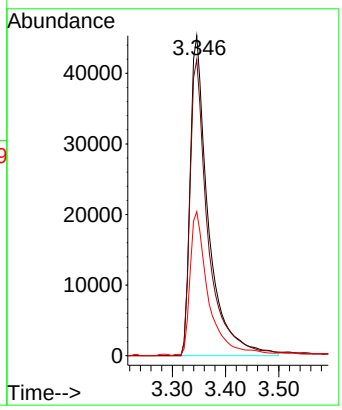


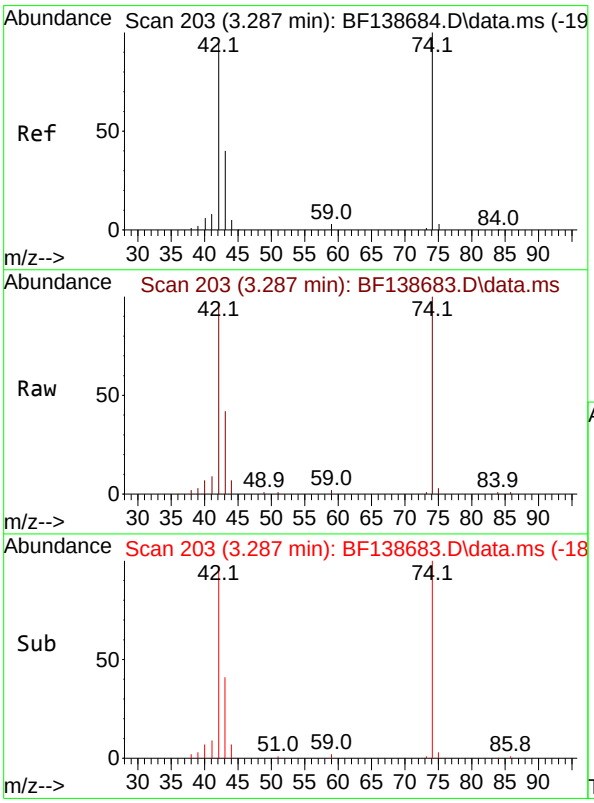
#3
Pyridine
Concen: 21.154 ng
RT: 3.346 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

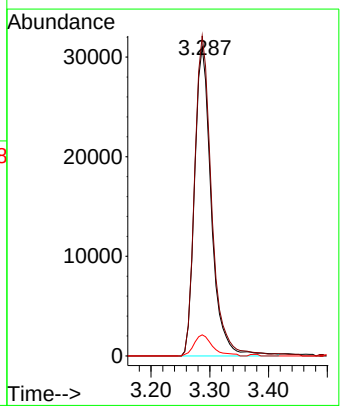


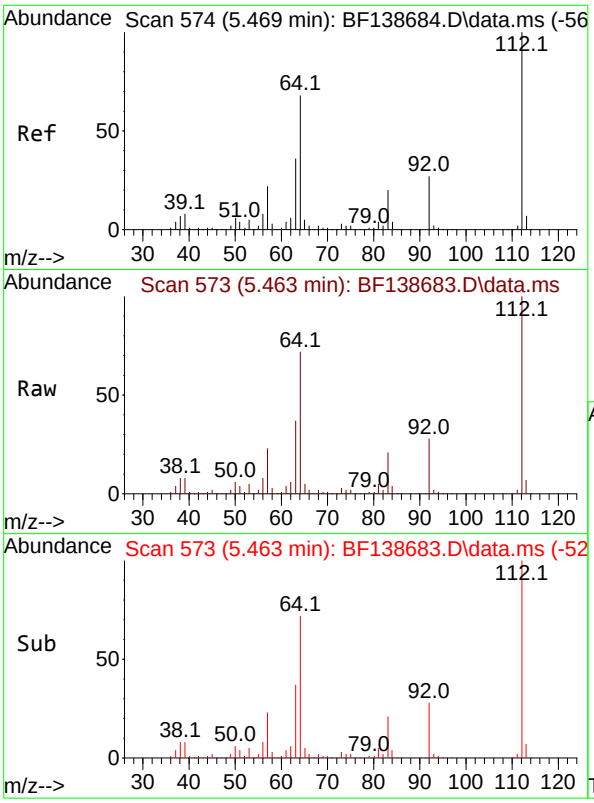


#4
n-Nitrosodimethylamine
Concen: 20.264 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



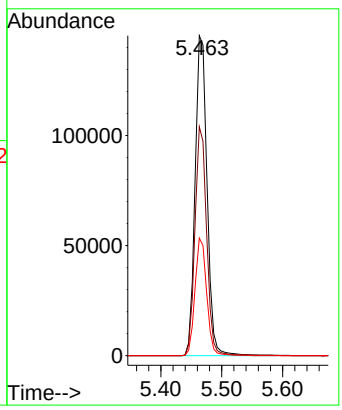


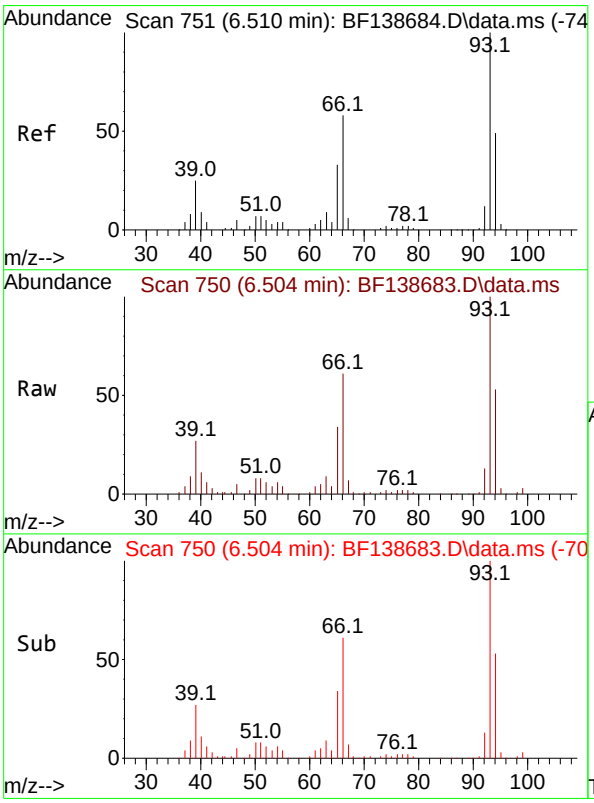
#5
2-Fluorophenol
Concen: 41.415 ng
RT: 5.463 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

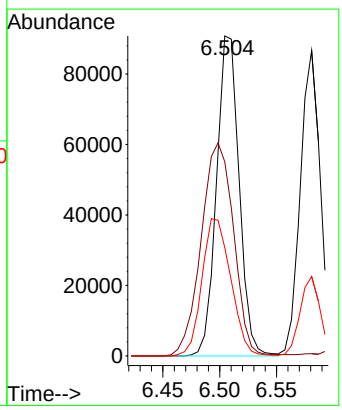


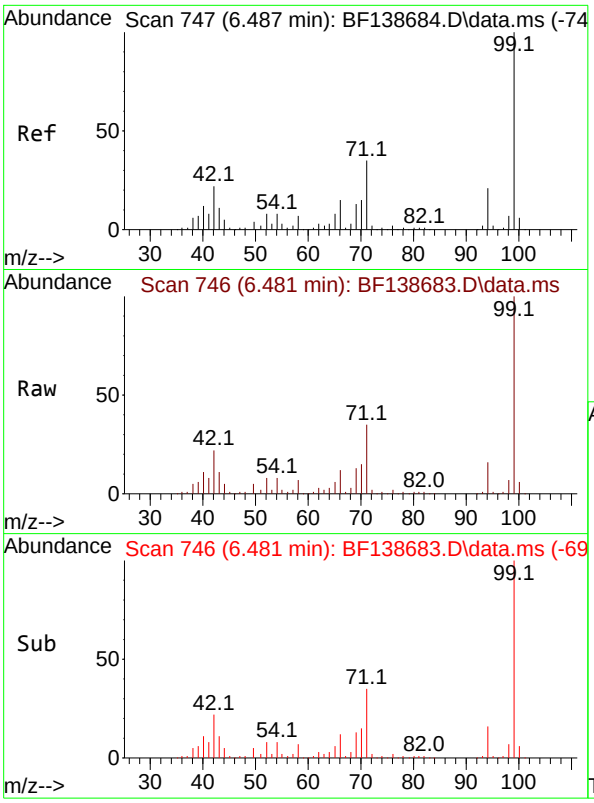


#6
Aniline
Concen: 21.965 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



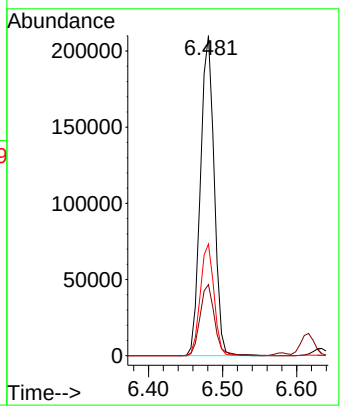


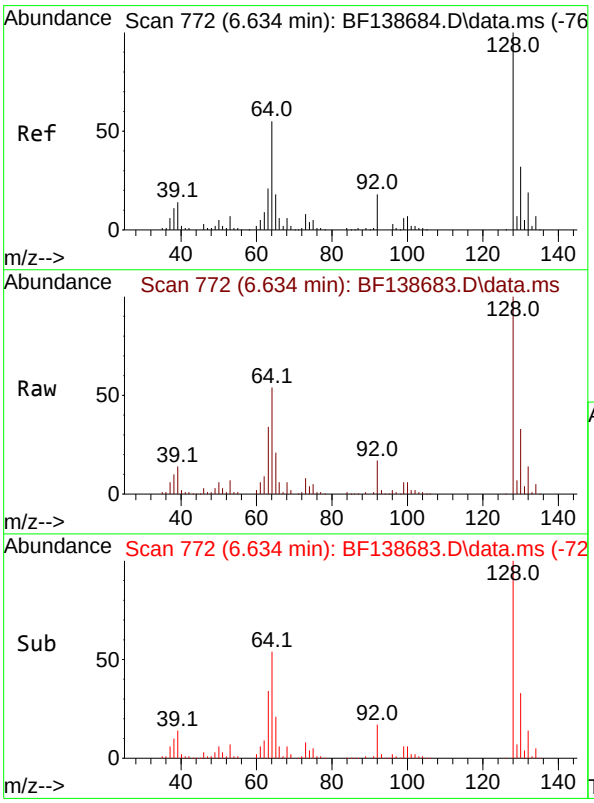
#7
Phenol-d6
Concen: 42.029 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

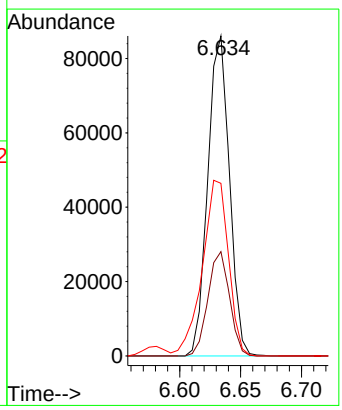


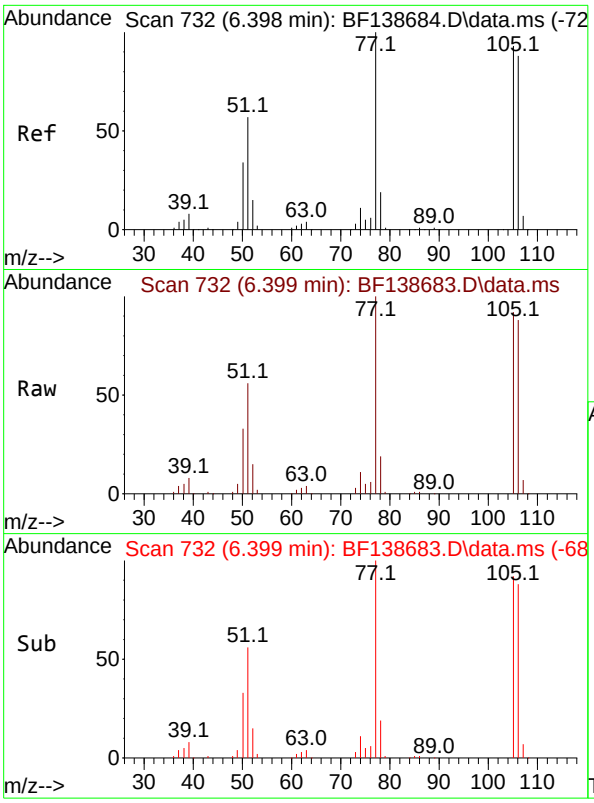


#8
2-Chlorophenol
Concen: 21.166 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



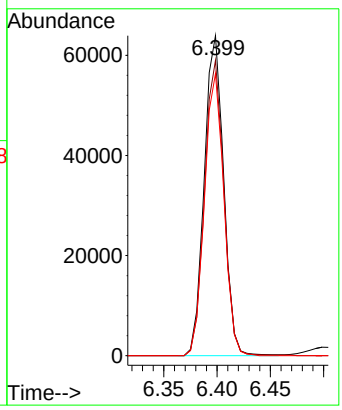


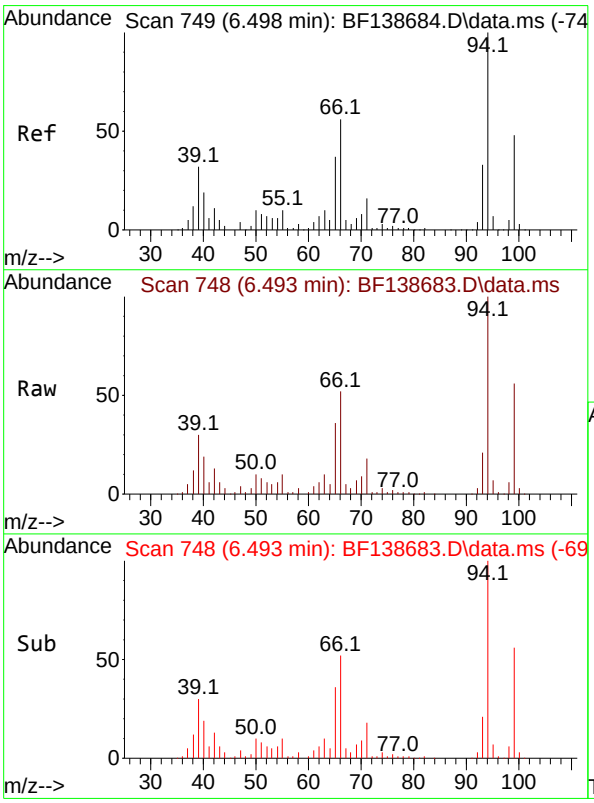
#9
Benzaldehyde
Concen: 21.071 ng
RT: 6.399 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

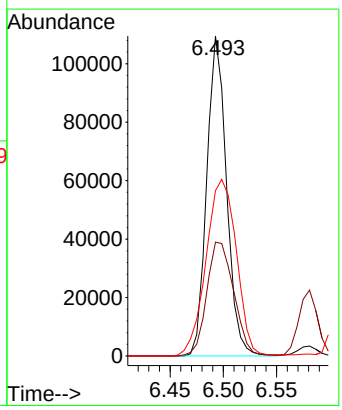


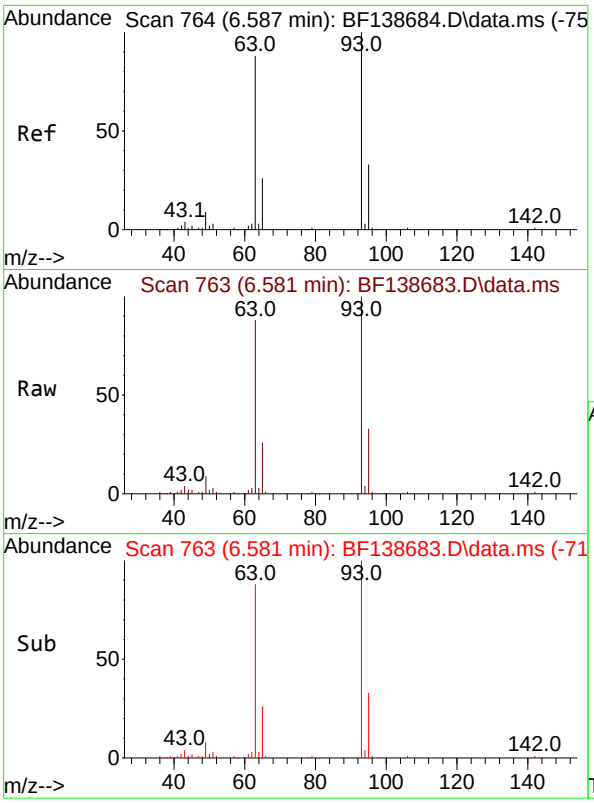


#10
Phenol
Concen: 20.890 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



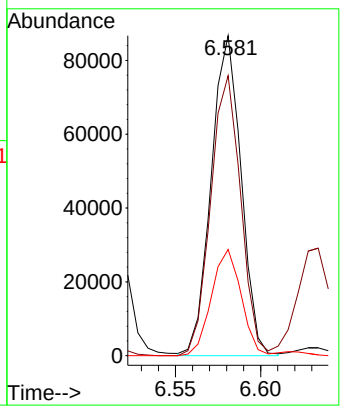


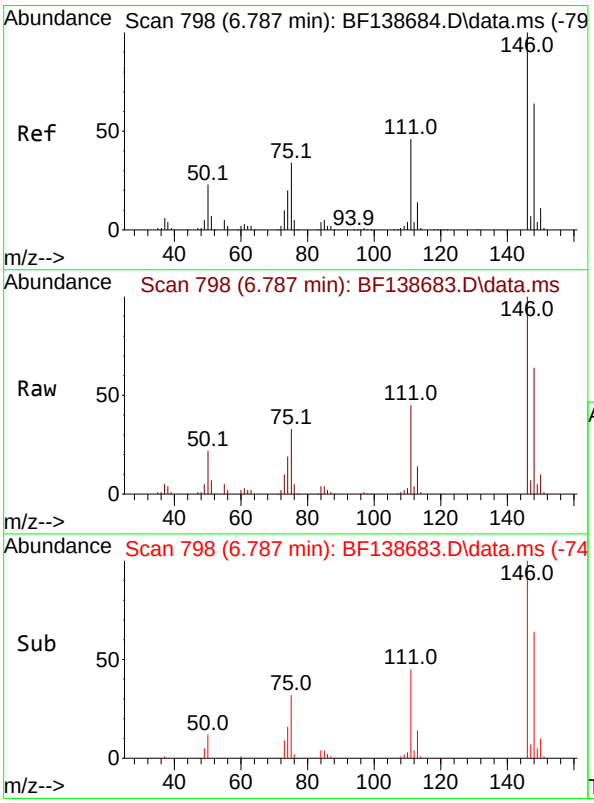
#11
bis(2-Chloroethyl)ether
Concen: 20.347 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

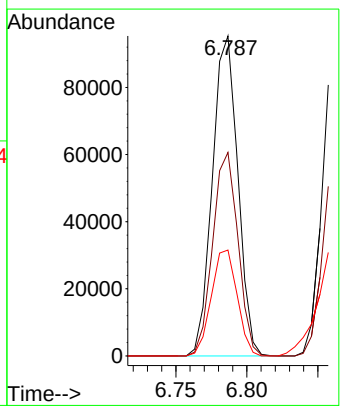


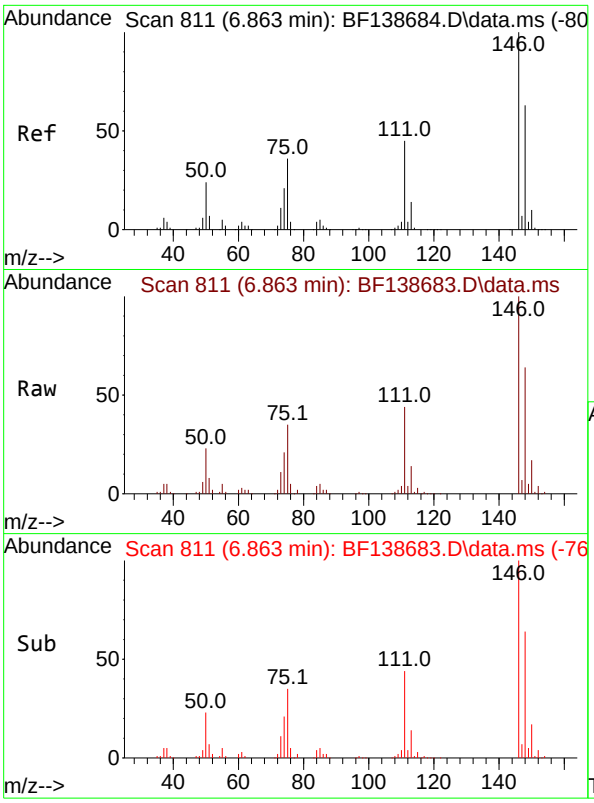


#12
1,3-Dichlorobenzene
Concen: 21.077 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



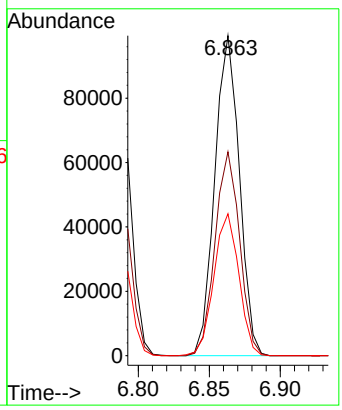


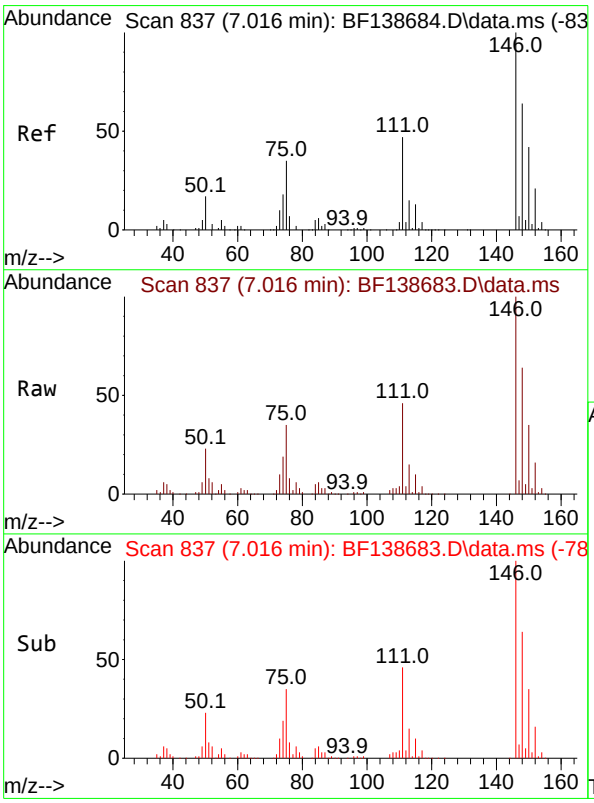
#13
1,4-Dichlorobenzene
Concen: 21.039 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

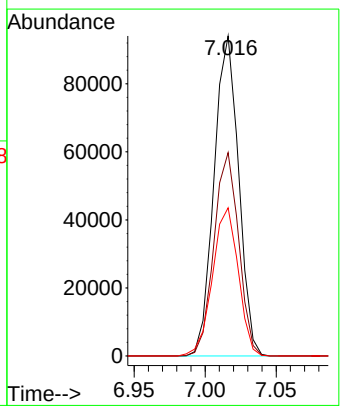


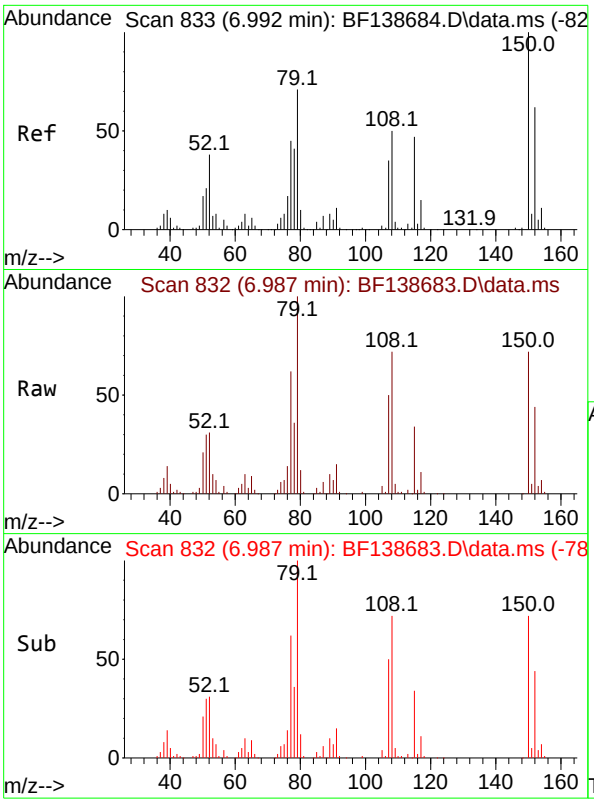


#14
1,2-Dichlorobenzene
Concen: 21.284 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



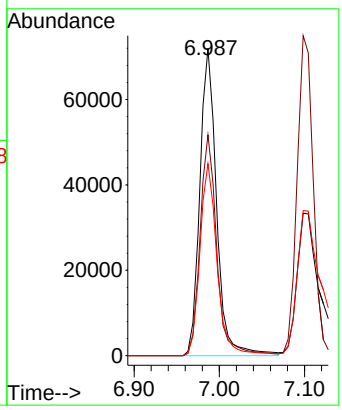


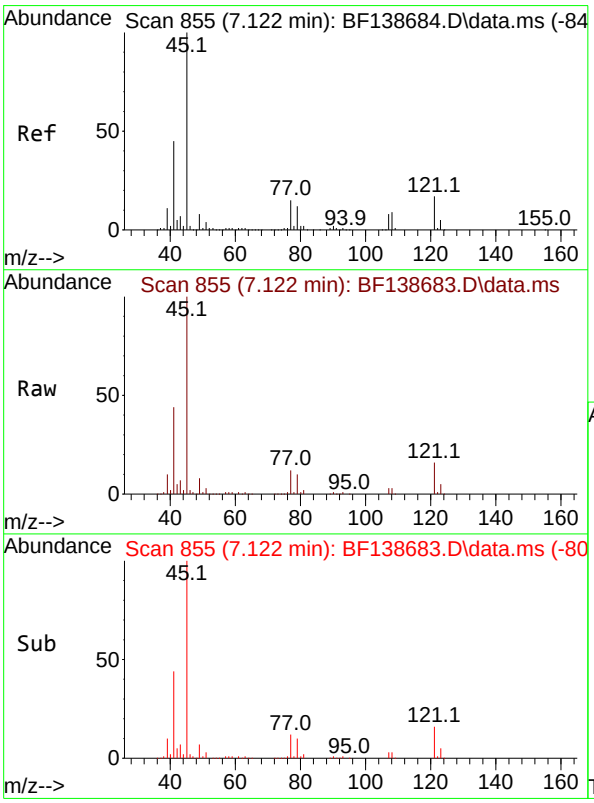
#15
Benzyl Alcohol
Concen: 21.284 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

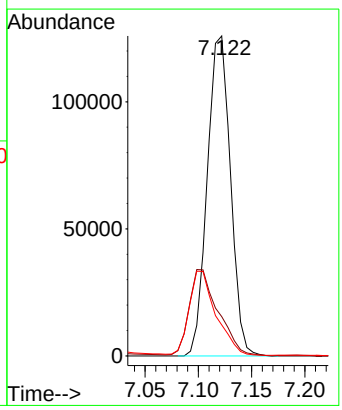


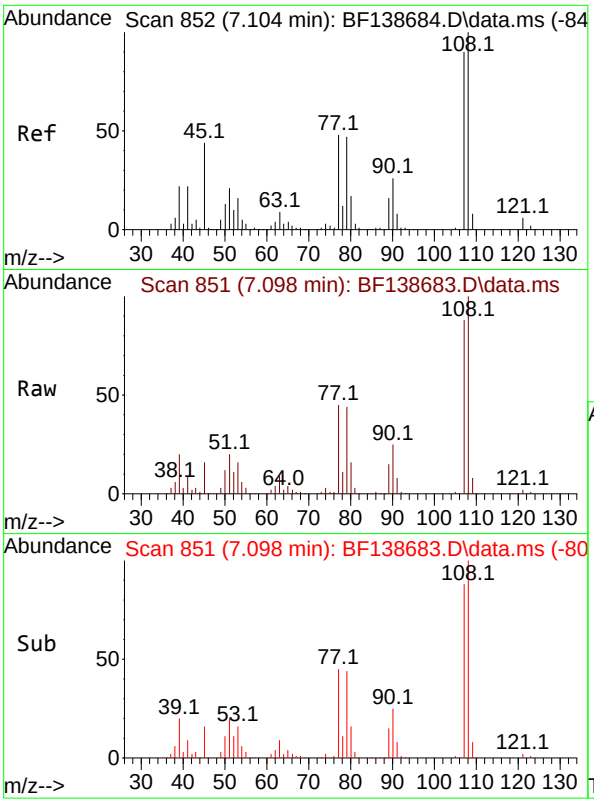


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.369 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



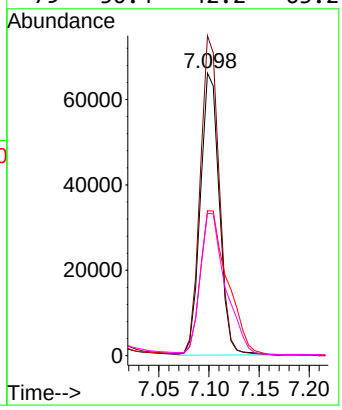


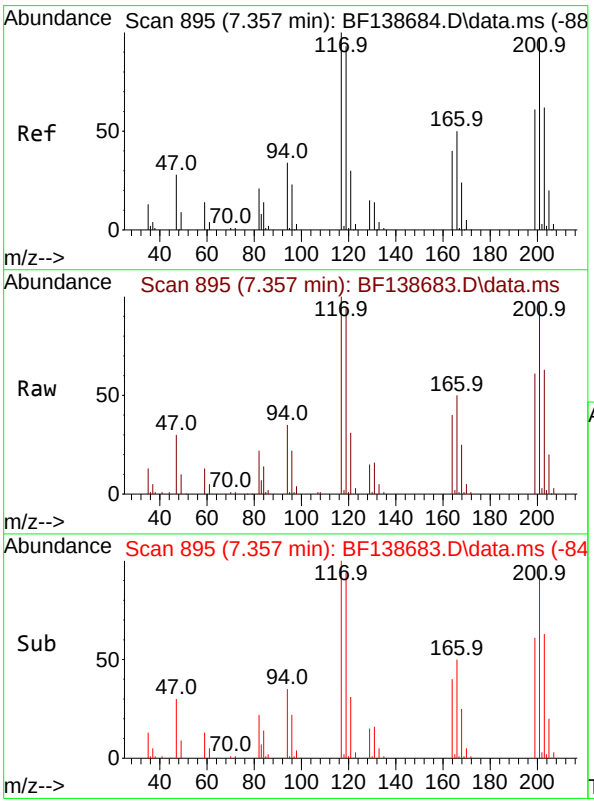
#17
2-Methylphenol
Concen: 21.024 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

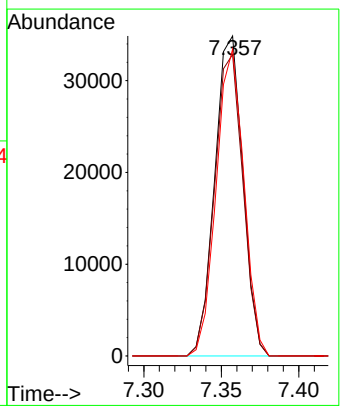


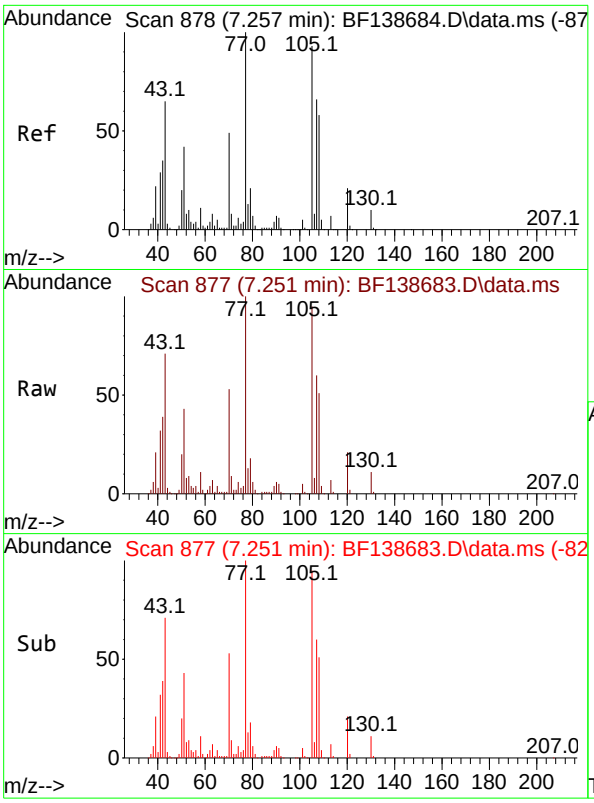


#18
Hexachloroethane
Concen: 20.620 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



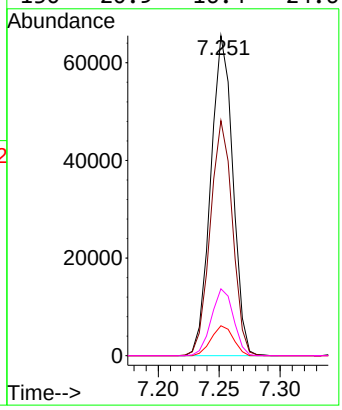


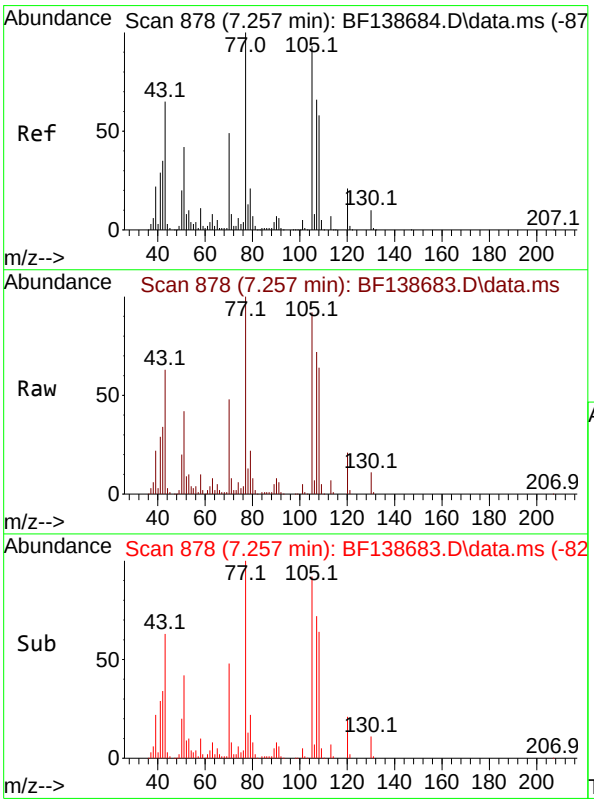
#19
n-Nitroso-di-n-propylamine
Concen: 21.369 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

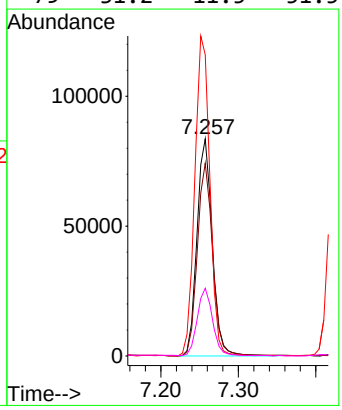


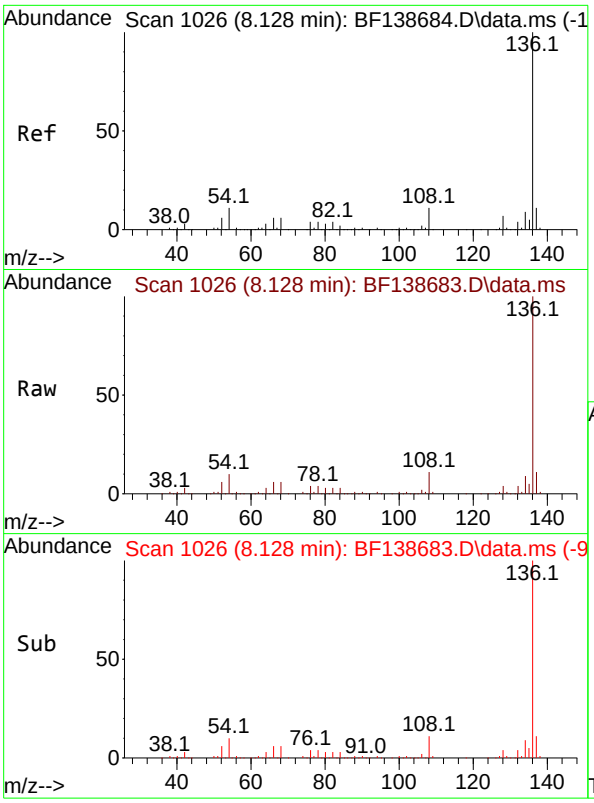


#20
3+4-Methylphenols
Concen: 21.577 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



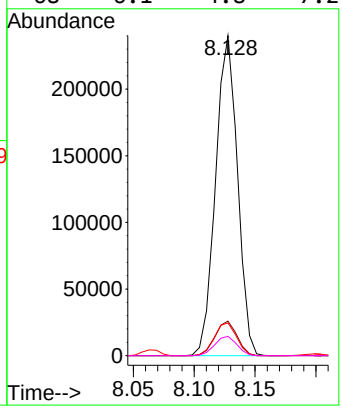


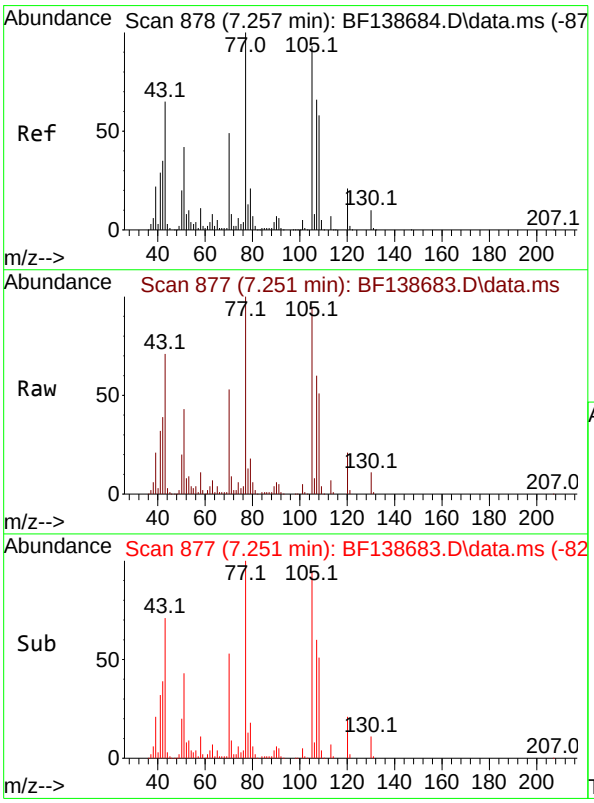
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

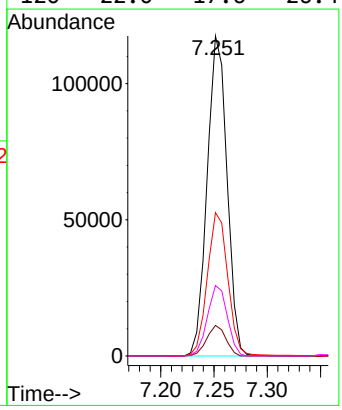


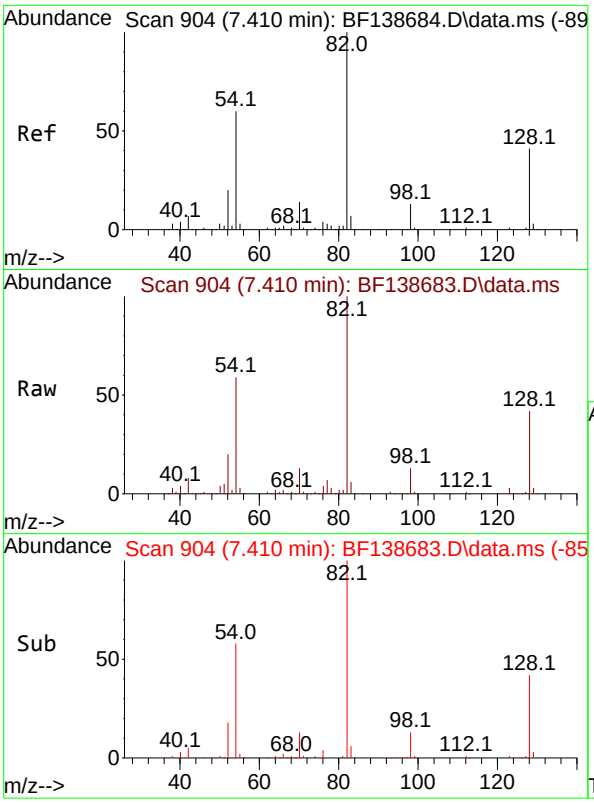


#22
Acetophenone
Concen: 20.738 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



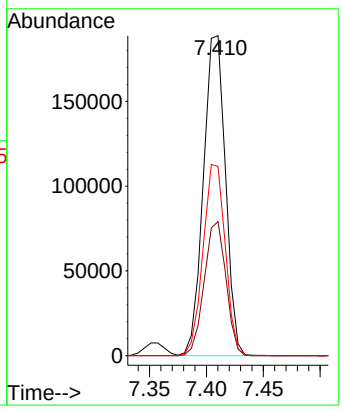


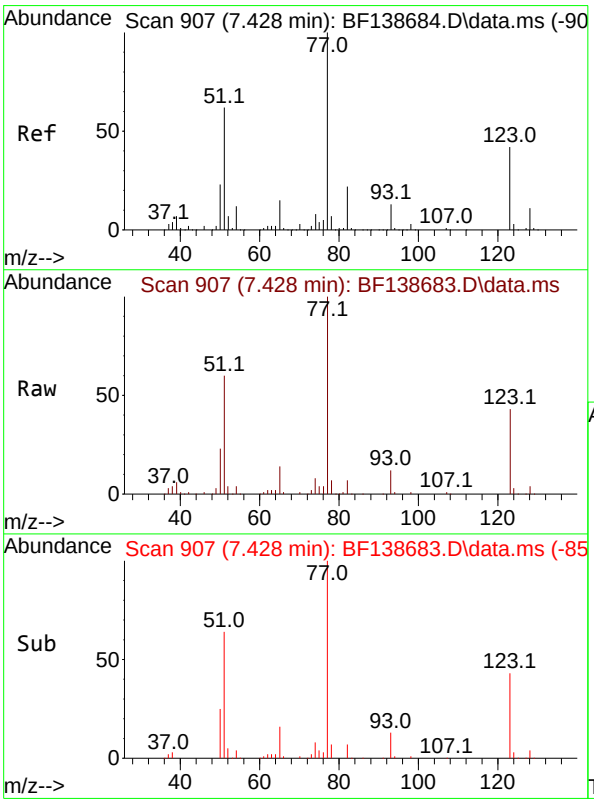
#23
Nitrobenzene-d5
Concen: 41.480 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

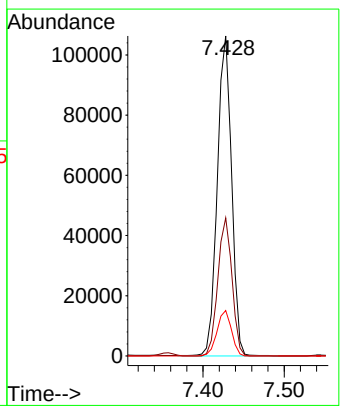


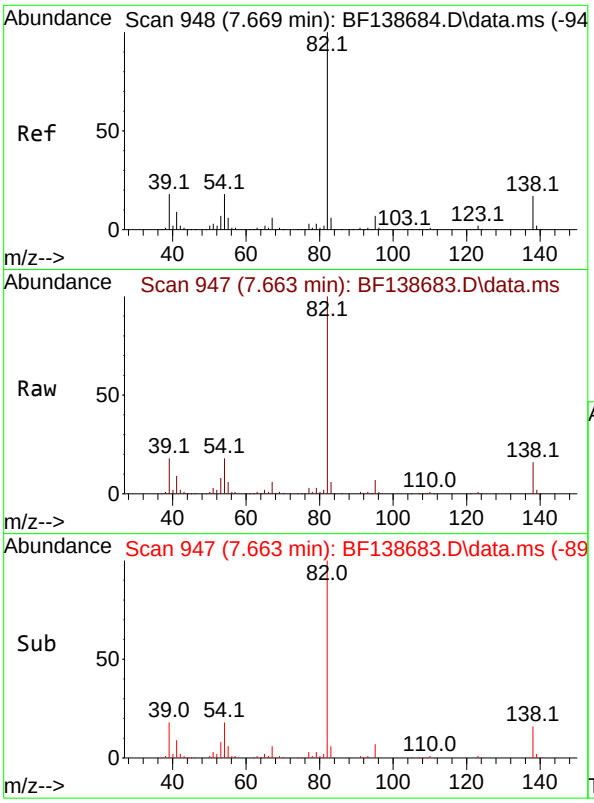


#24
Nitrobenzene
Concen: 20.819 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



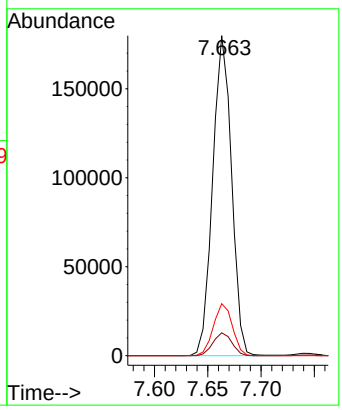


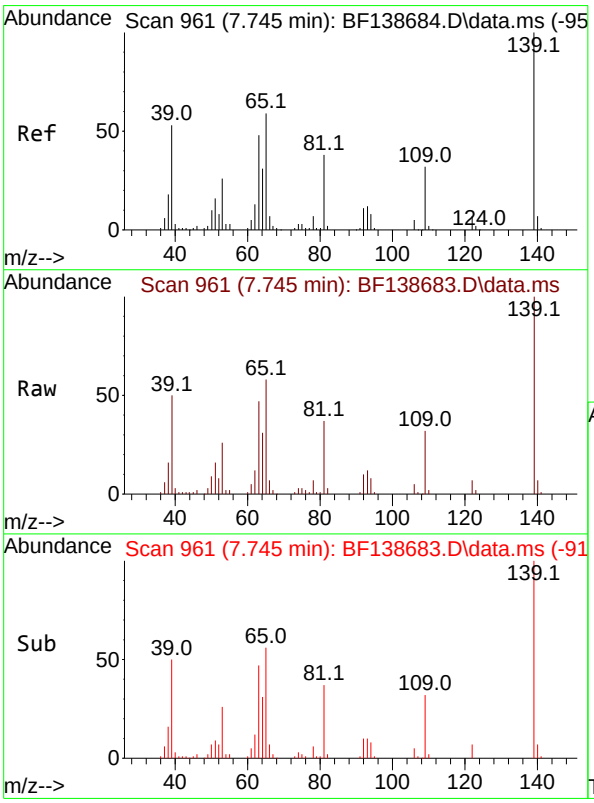
#25
Isophorone
Concen: 21.034 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

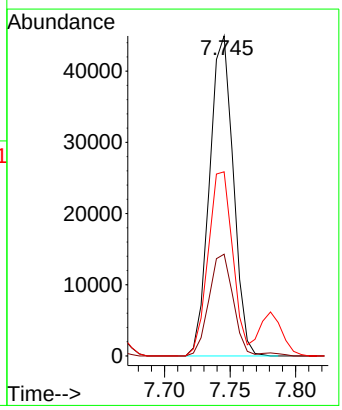


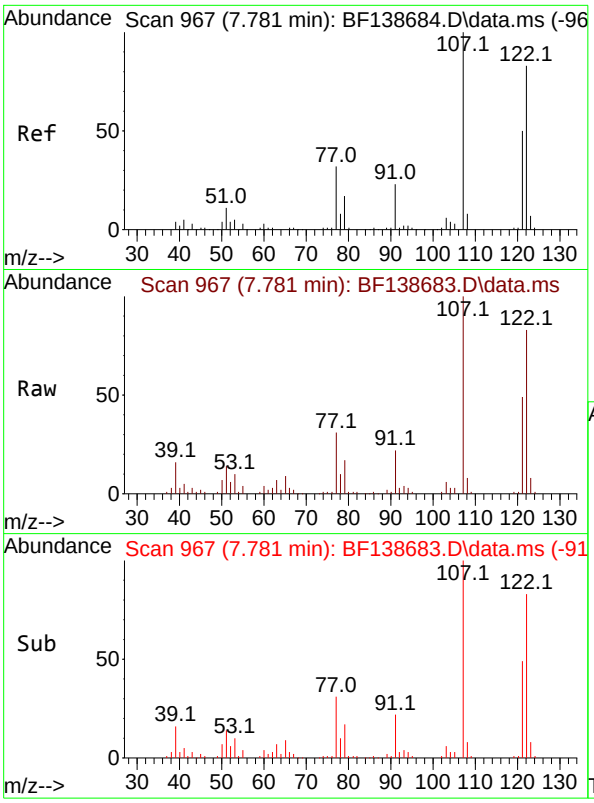


#26
2-Nitrophenol
Concen: 21.006 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



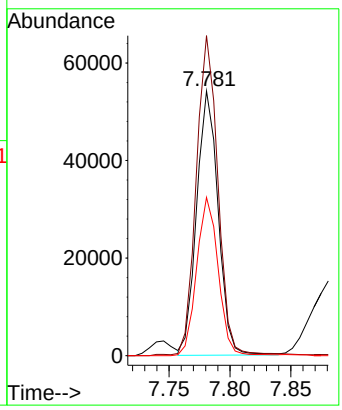


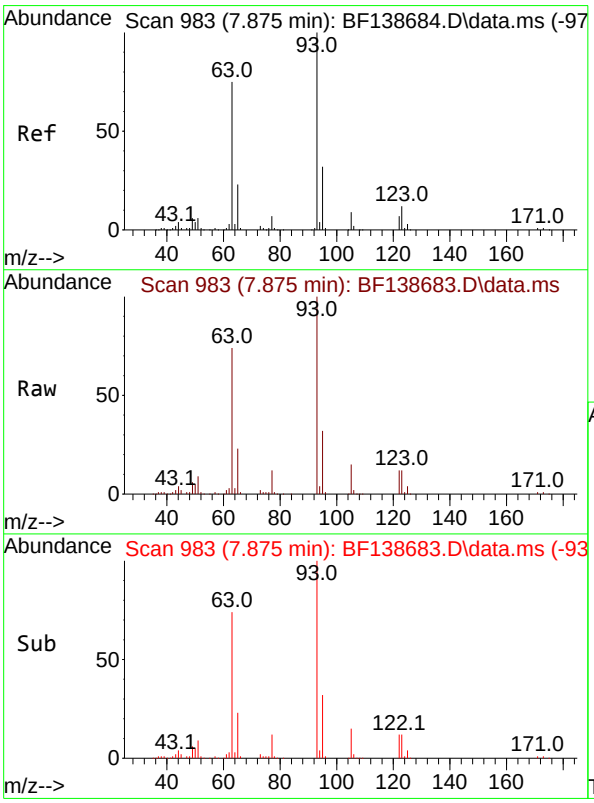
#27
2,4-Dimethylphenol
Concen: 20.620 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

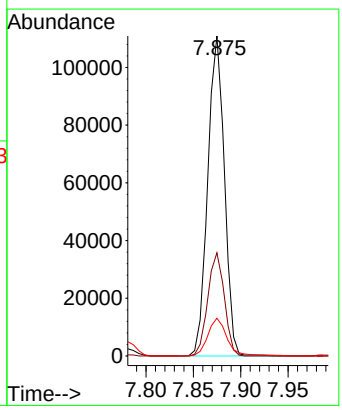


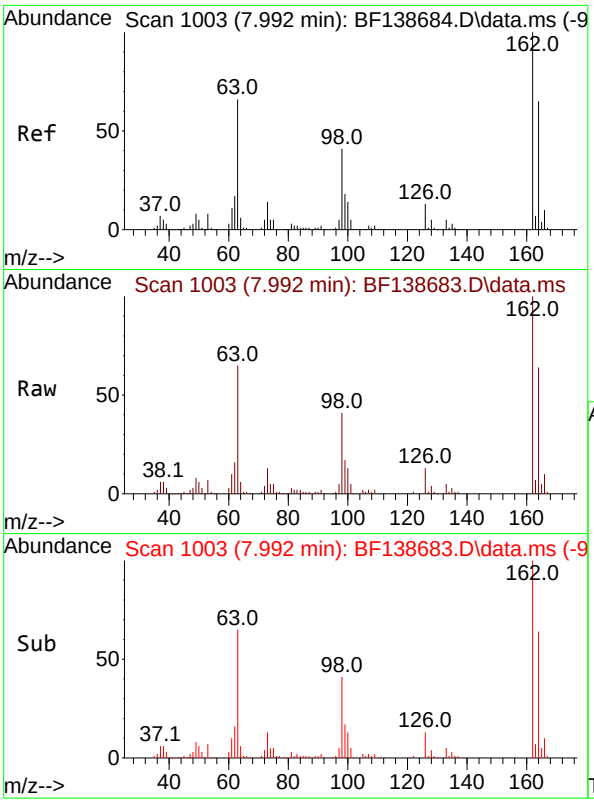


#28
bis(2-Chloroethoxy)methane
Concen: 21.118 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



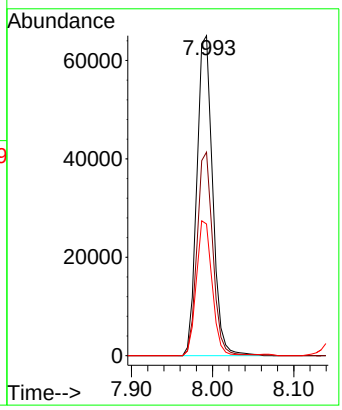


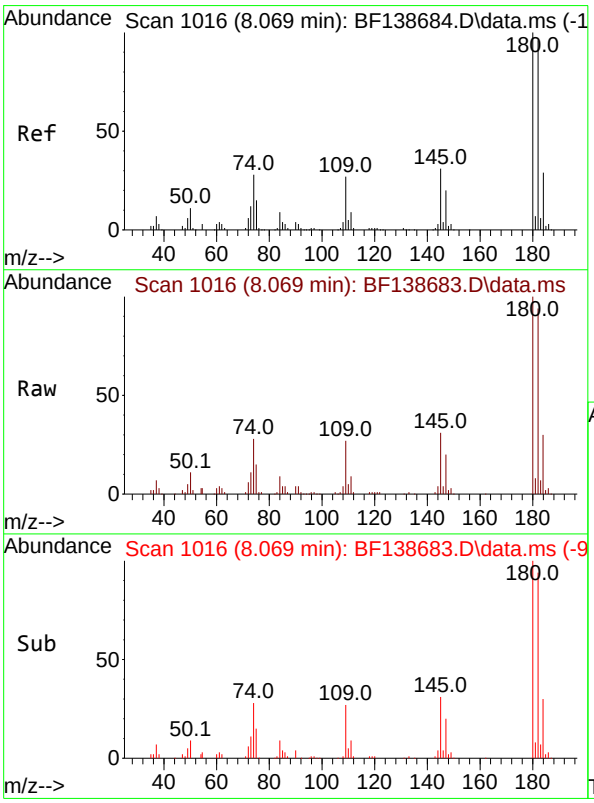
#29
2,4-Dichlorophenol
Concen: 21.289 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

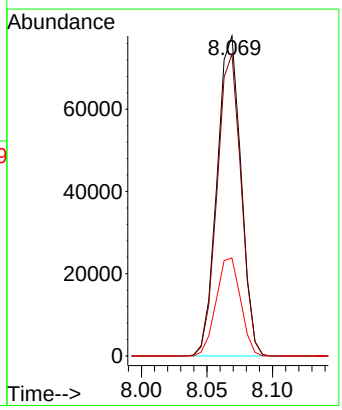


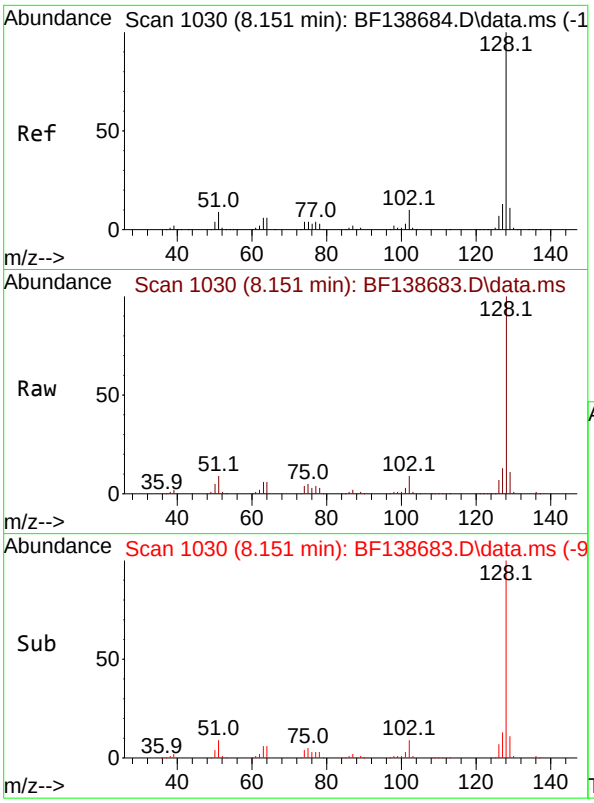


#30
1,2,4-Trichlorobenzene
Concen: 20.697 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



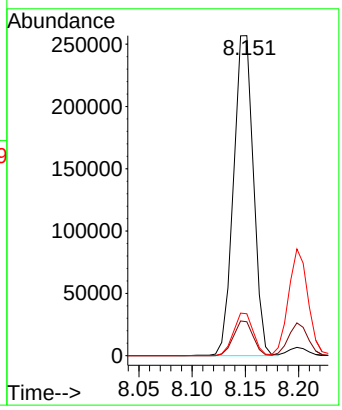


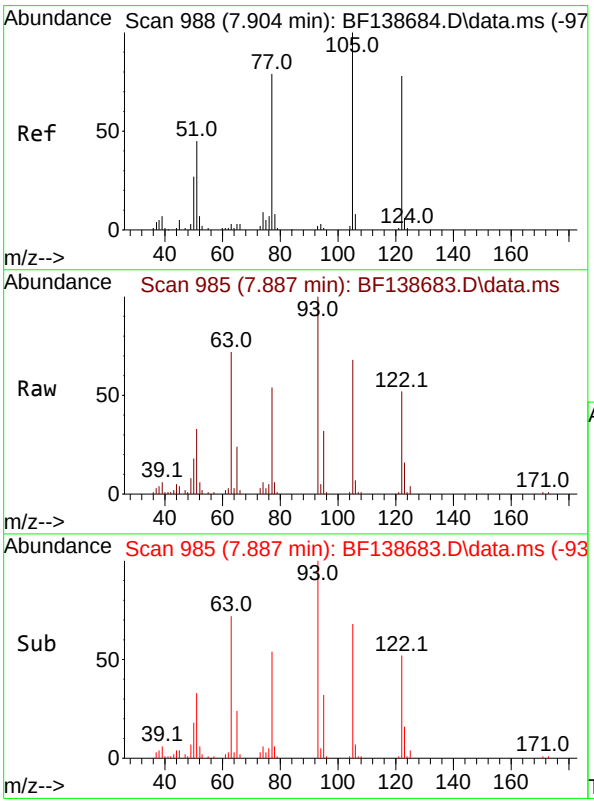
#31
Naphthalene
Concen: 21.084 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

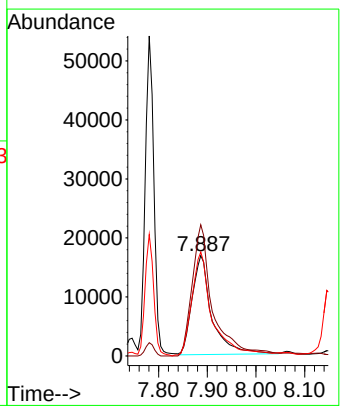


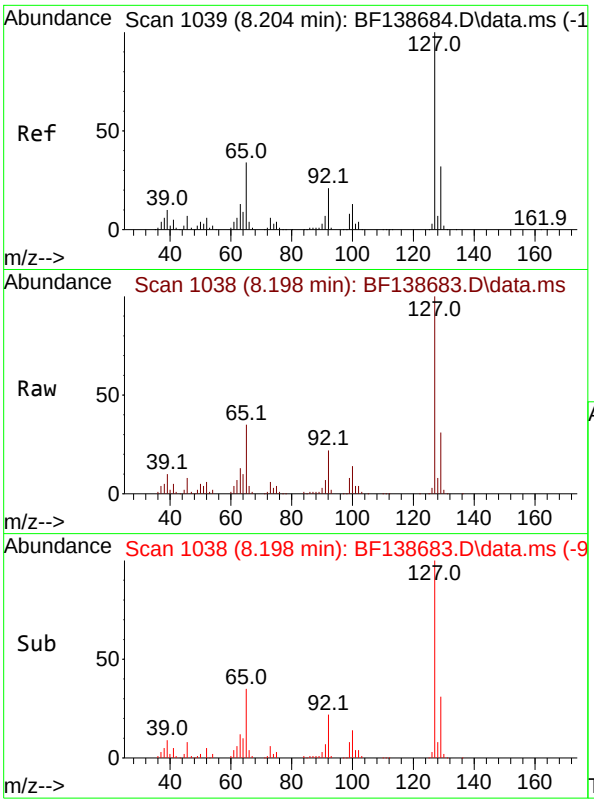


#32
Benzoic acid
Concen: 18.740 ng
RT: 7.887 min Scan# 985
Delta R.T. -0.017 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



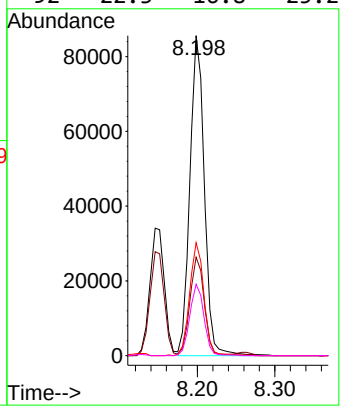


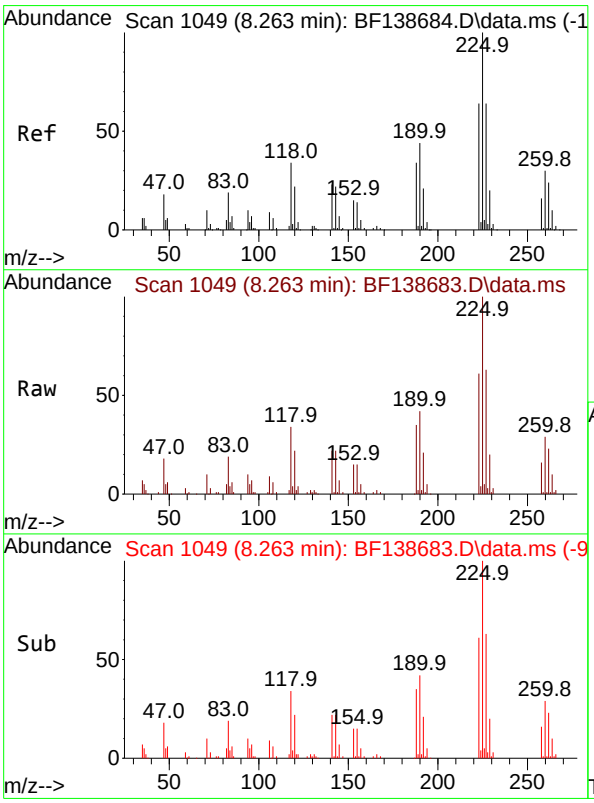
#33
4-Chloroaniline
Concen: 20.887 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

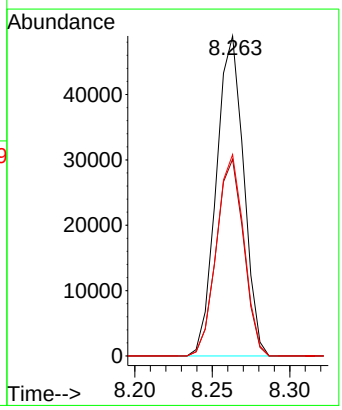


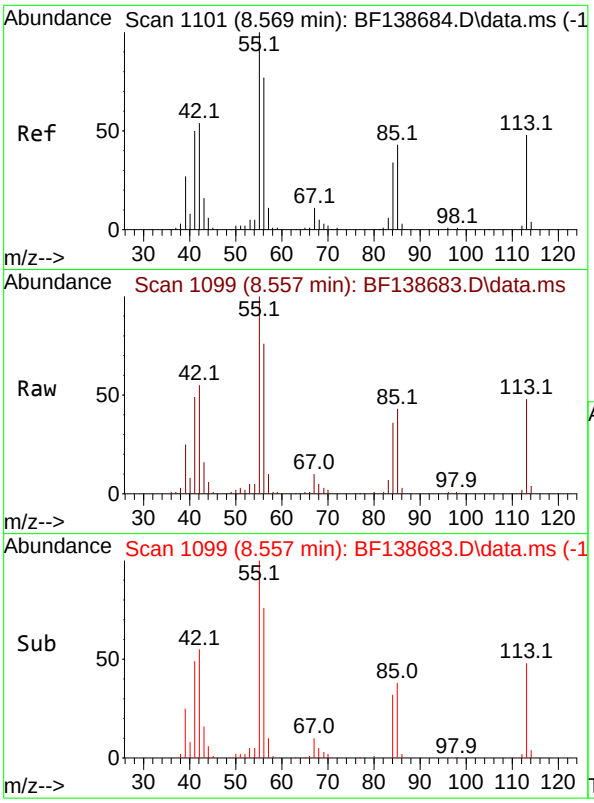


#34
Hexachlorobutadiene
Concen: 20.749 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



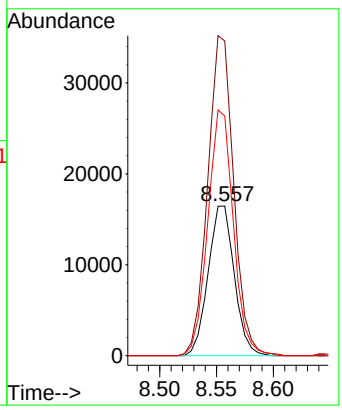


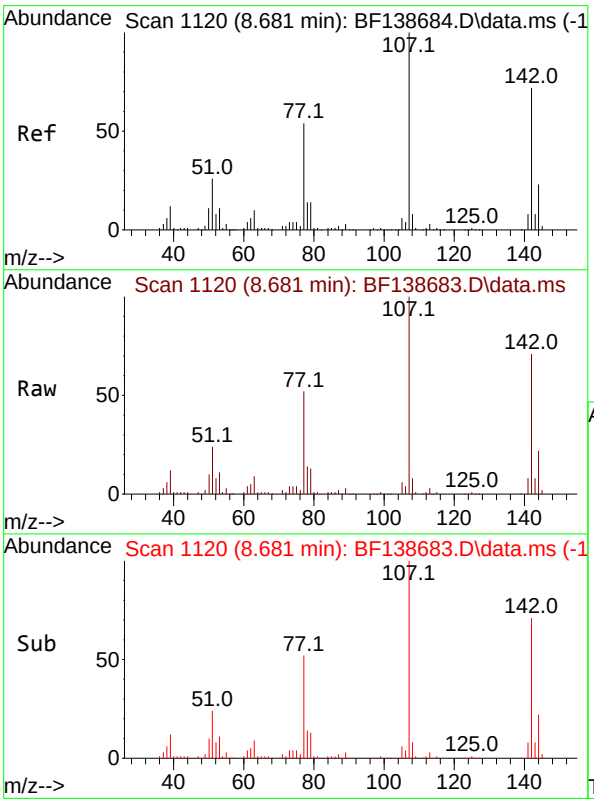
#35
Caprolactam
Concen: 21.333 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

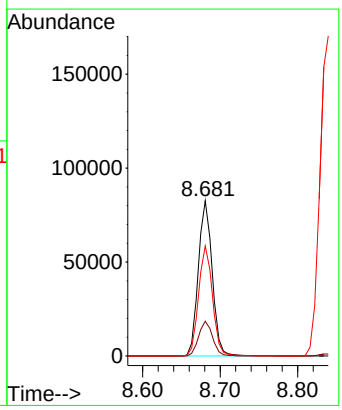


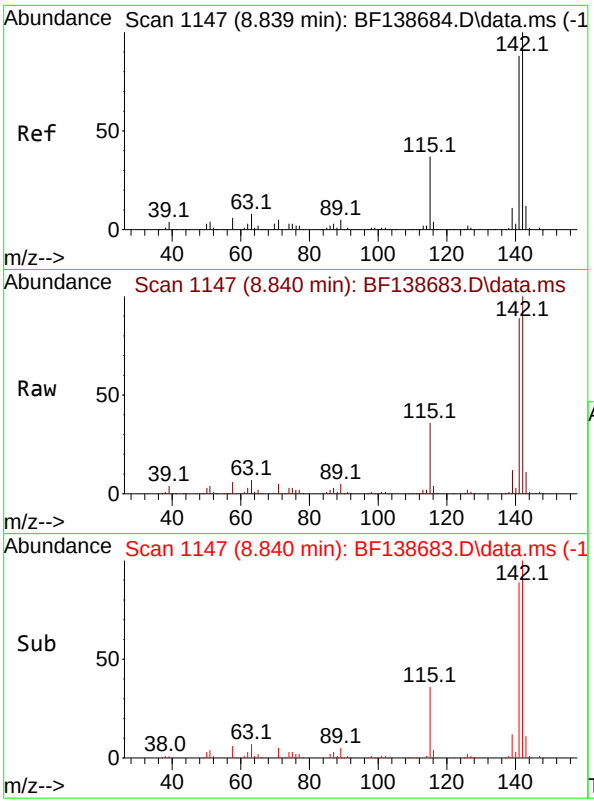


#36
4-Chloro-3-methylphenol
Concen: 21.794 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



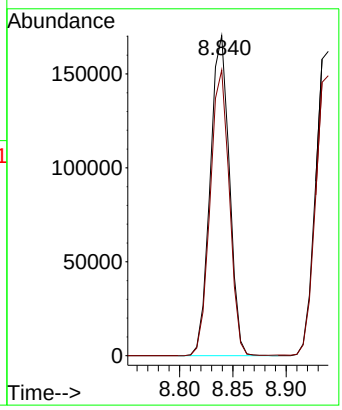


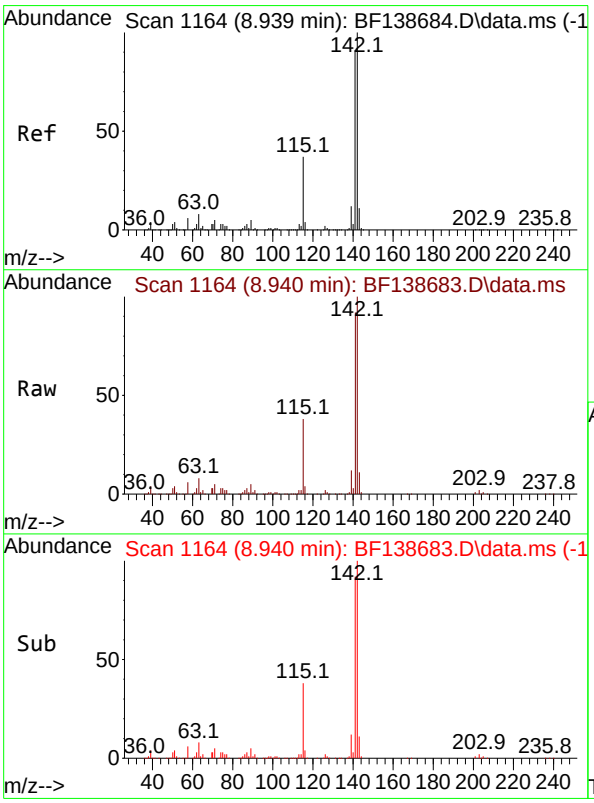
#37
2-Methylnaphthalene
Concen: 21.323 ng
RT: 8.840 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 213210

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2

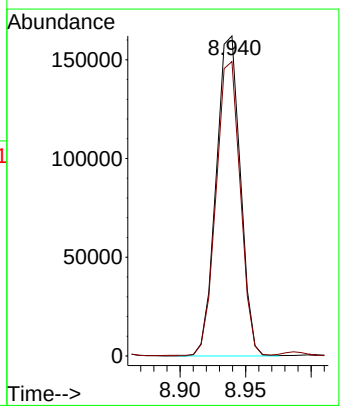


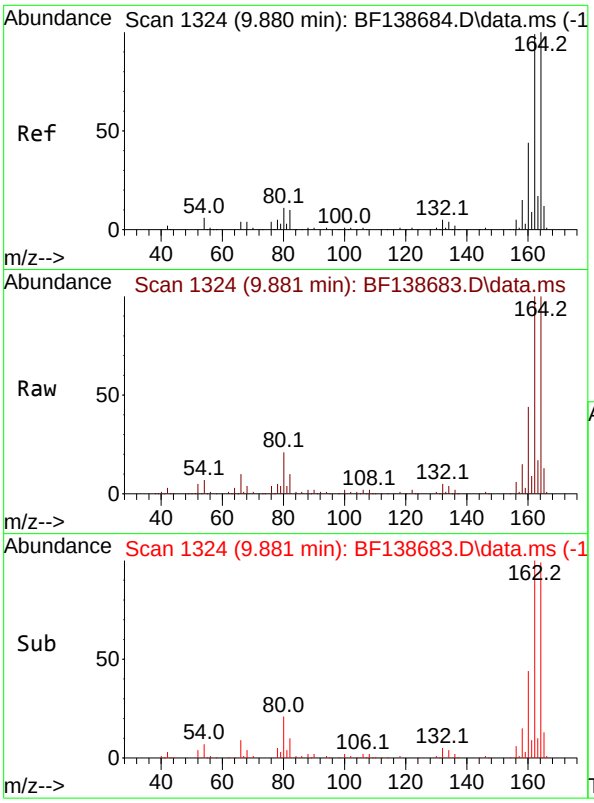


#38
1-Methylnaphthalene
Concen: 21.253 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:142 Resp: 208242

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7



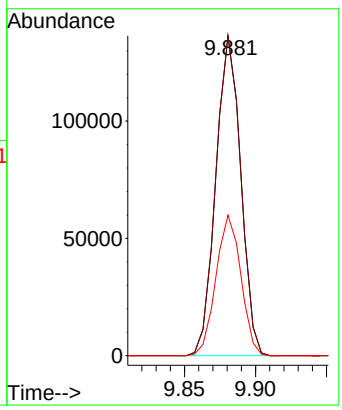


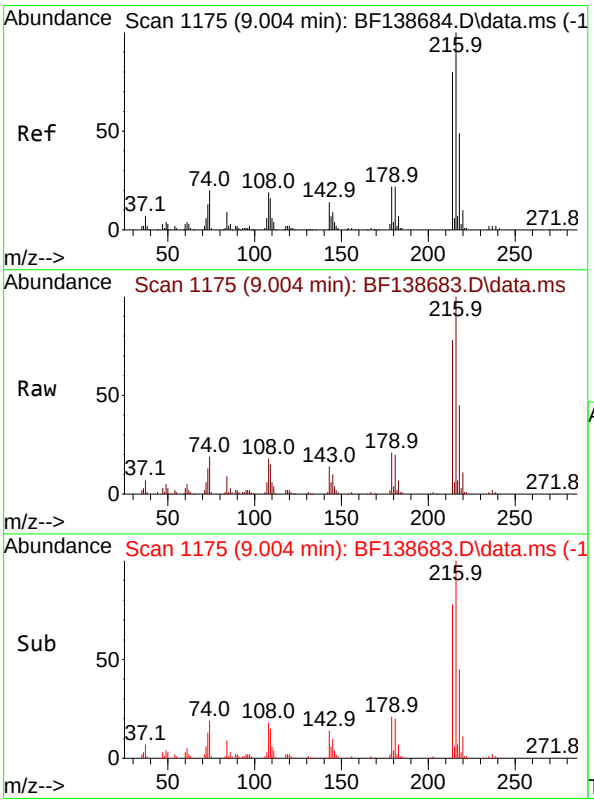
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

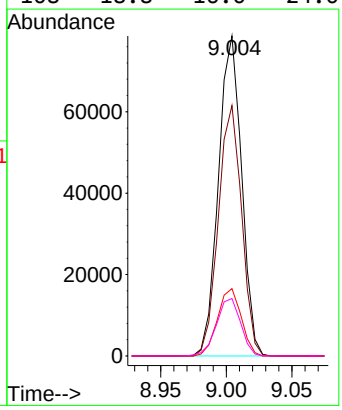


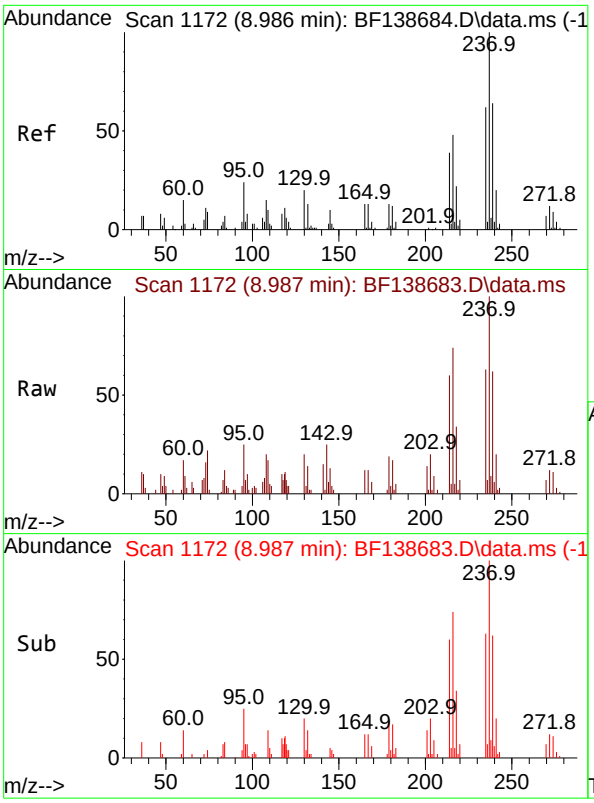


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.924 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



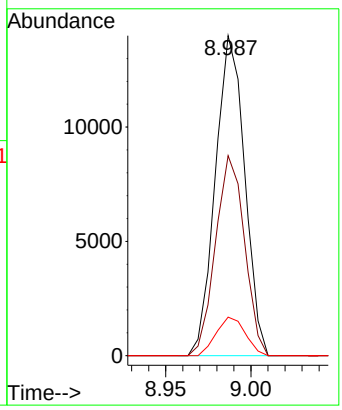


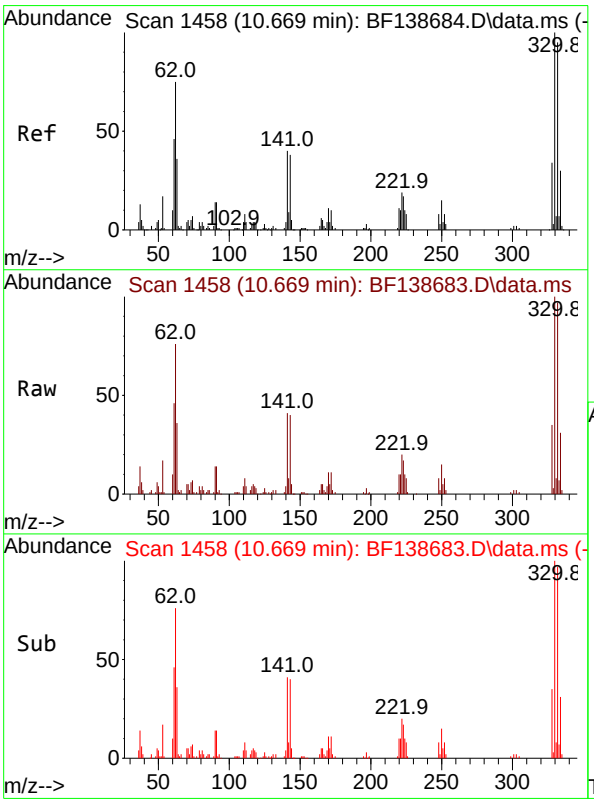
#41
Hexachlorocyclopentadiene
Concen: 19.505 ng
RT: 8.987 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

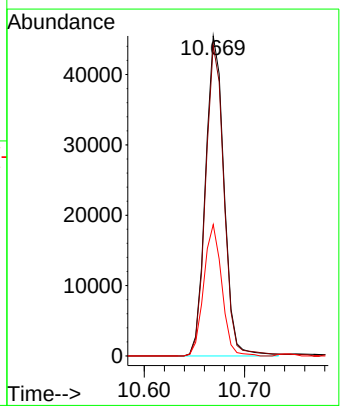


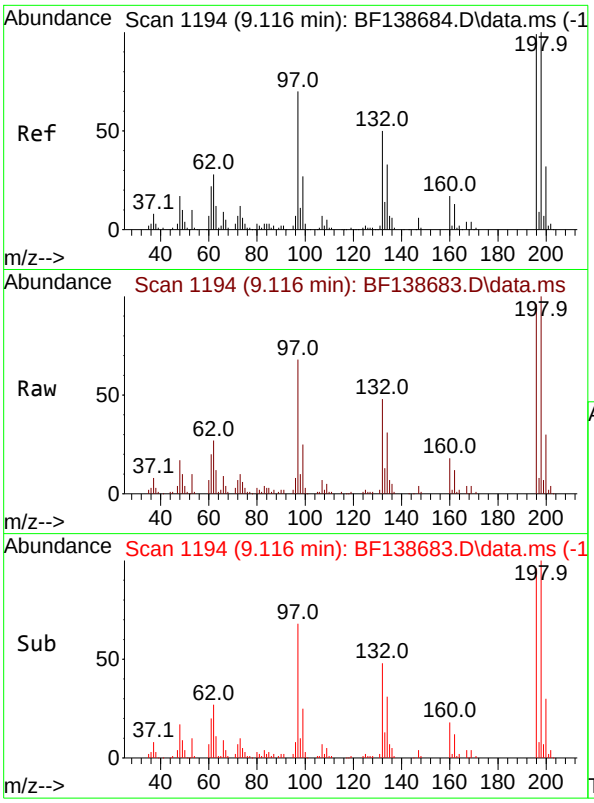


#42
2,4,6-Tribromophenol
Concen: 42.922 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



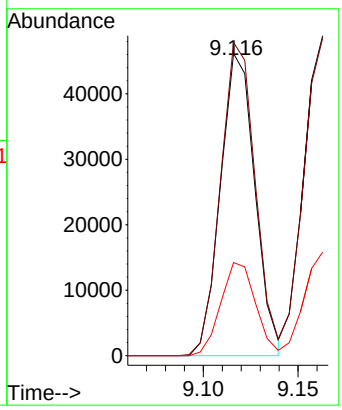


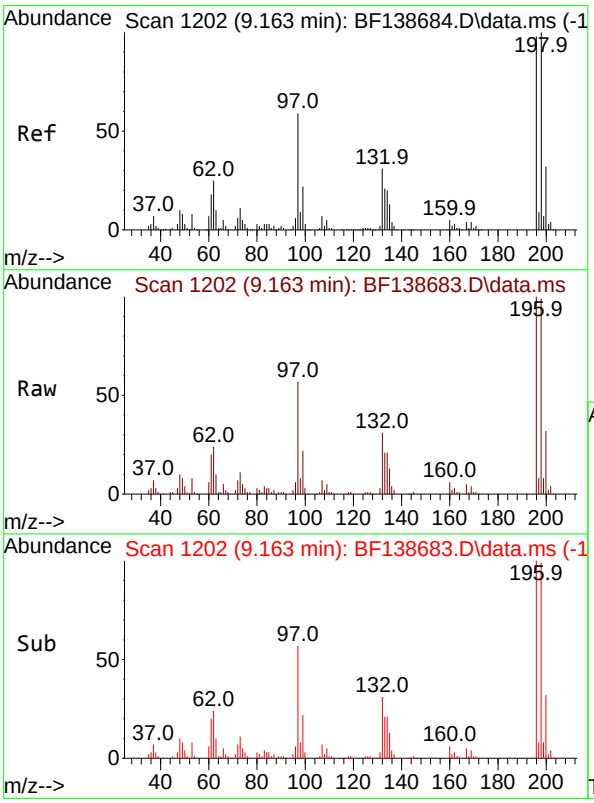
#43
2,4,6-Trichlorophenol
Concen: 20.830 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

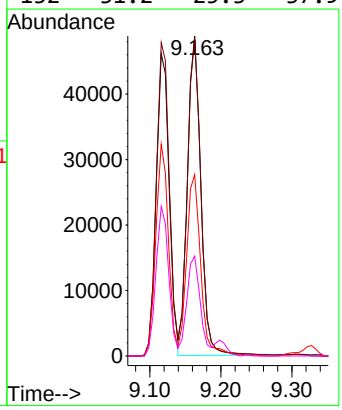


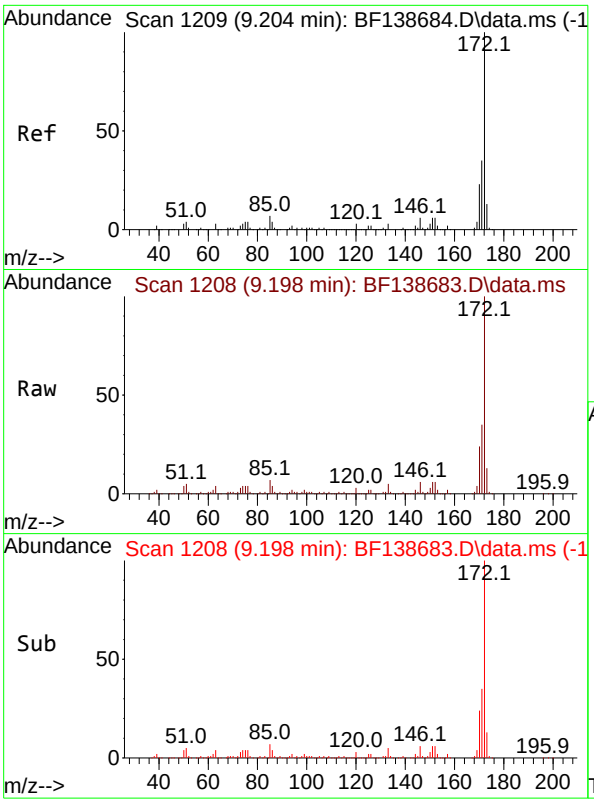


#44
2,4,5-Trichlorophenol
Concen: 20.907 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



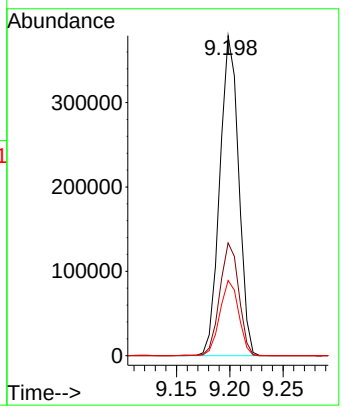


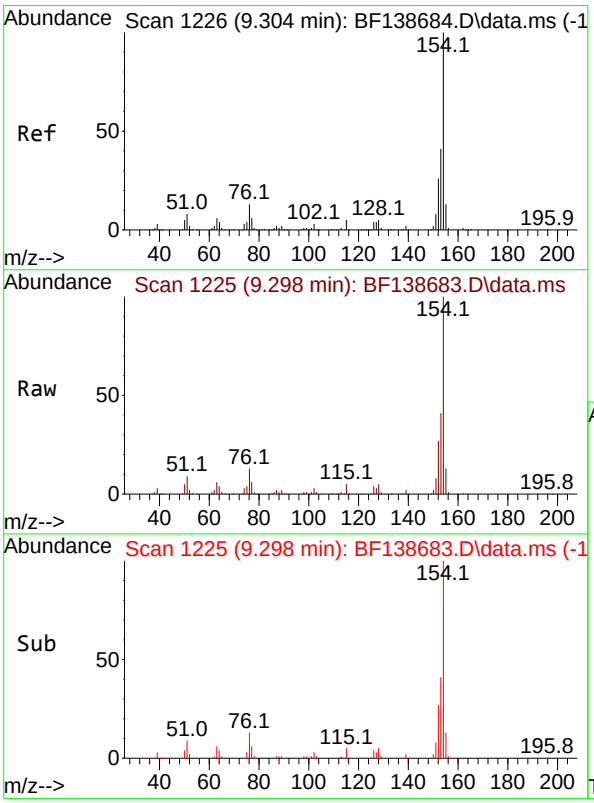
#45
2-Fluorobiphenyl
Concen: 42.138 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

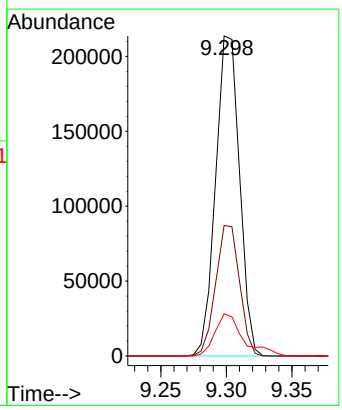


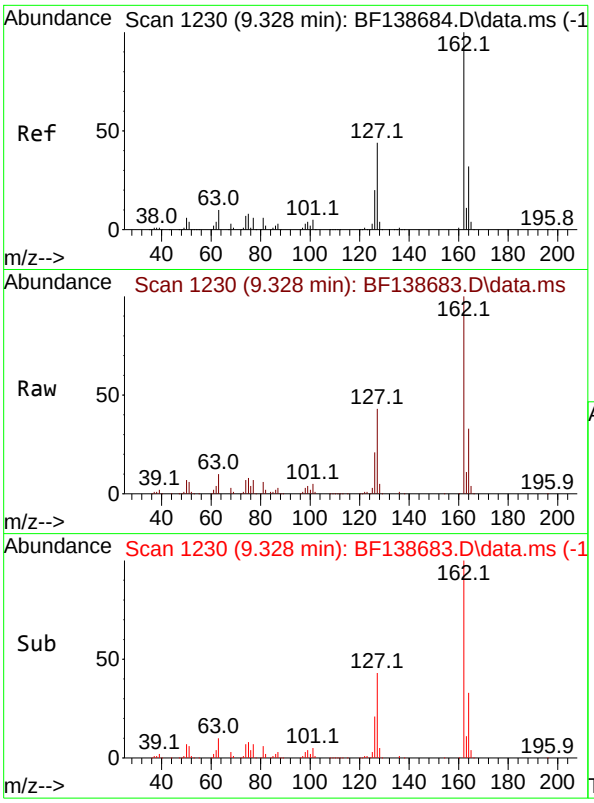


#46
1,1'-Biphenyl
Concen: 20.807 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



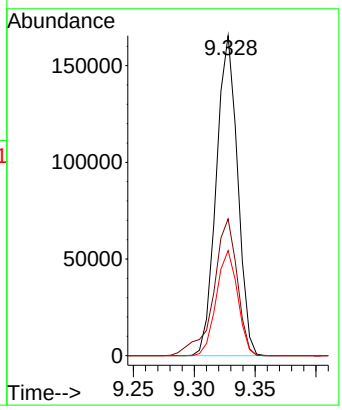


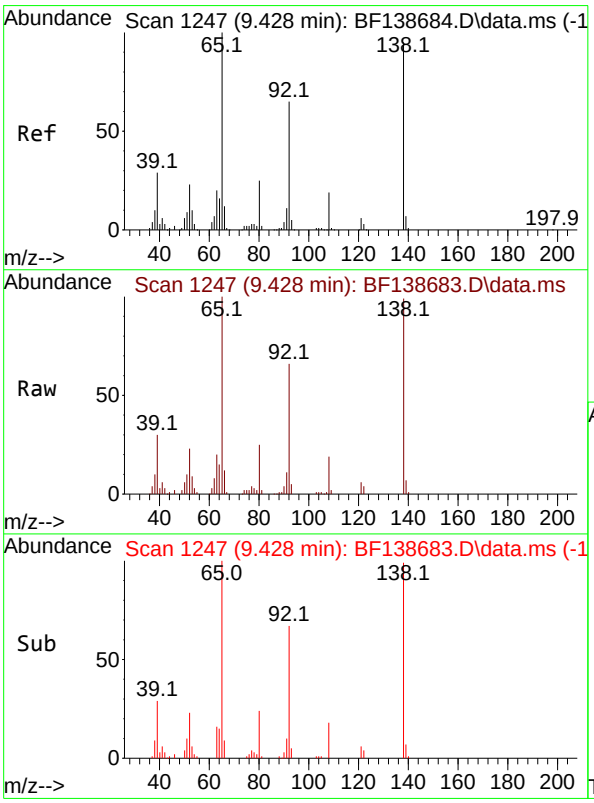
#47
2-Chloronaphthalene
Concen: 20.822 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

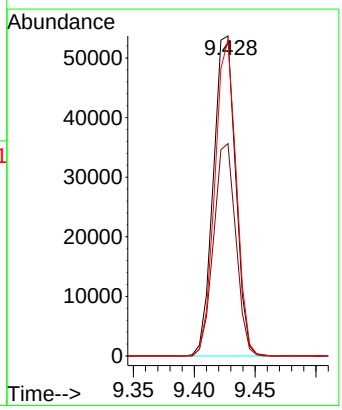


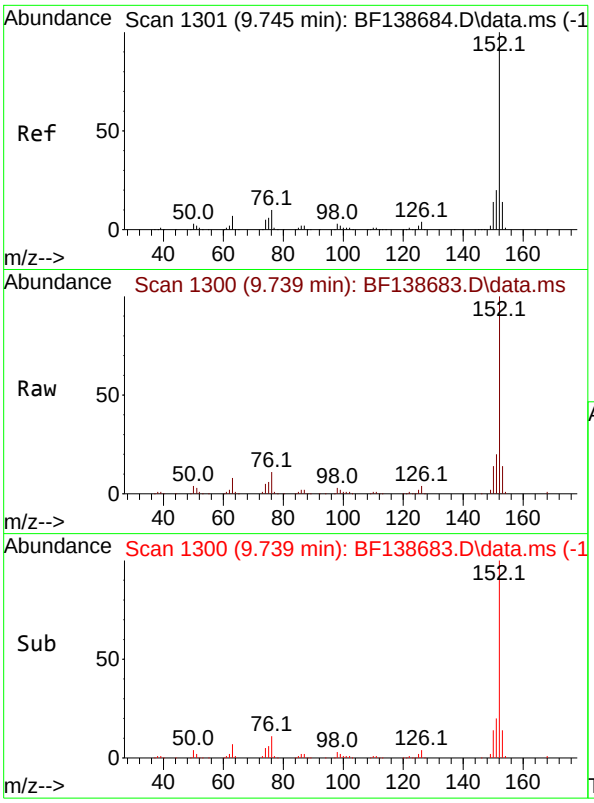


#48
2-Nitroaniline
Concen: 20.943 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



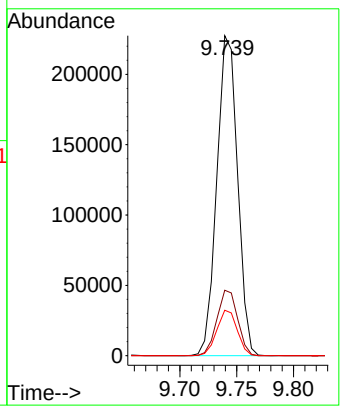


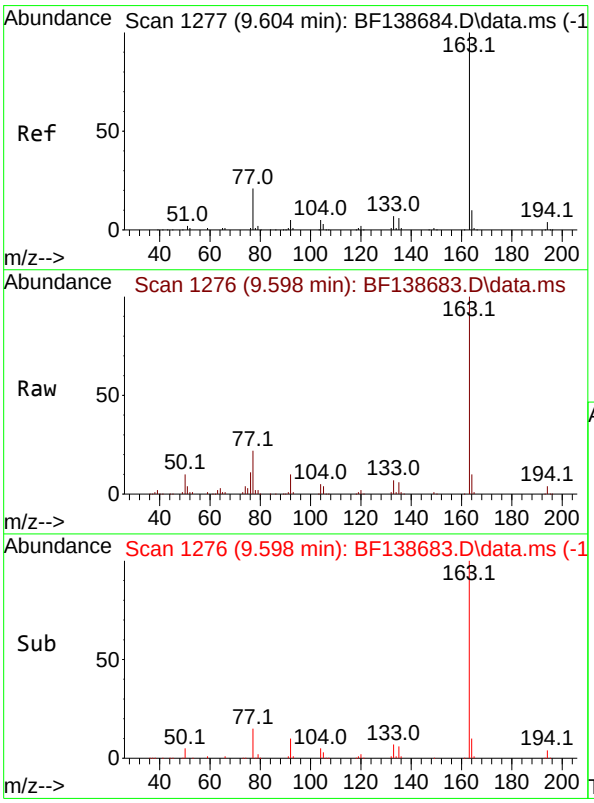
#49
Acenaphthylene
Concen: 21.093 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

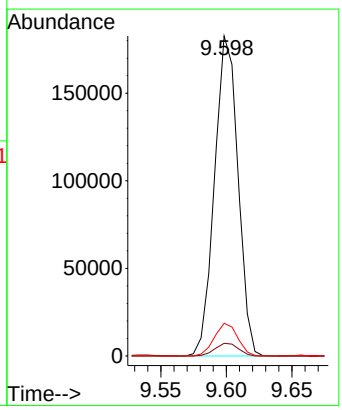


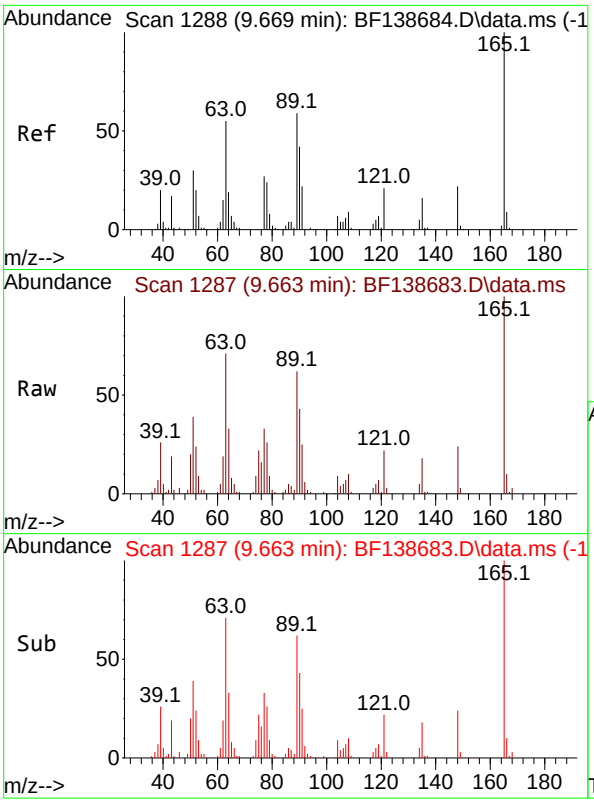


#50
Dimethylphthalate
Concen: 21.376 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



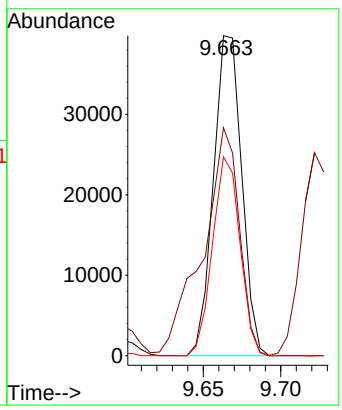


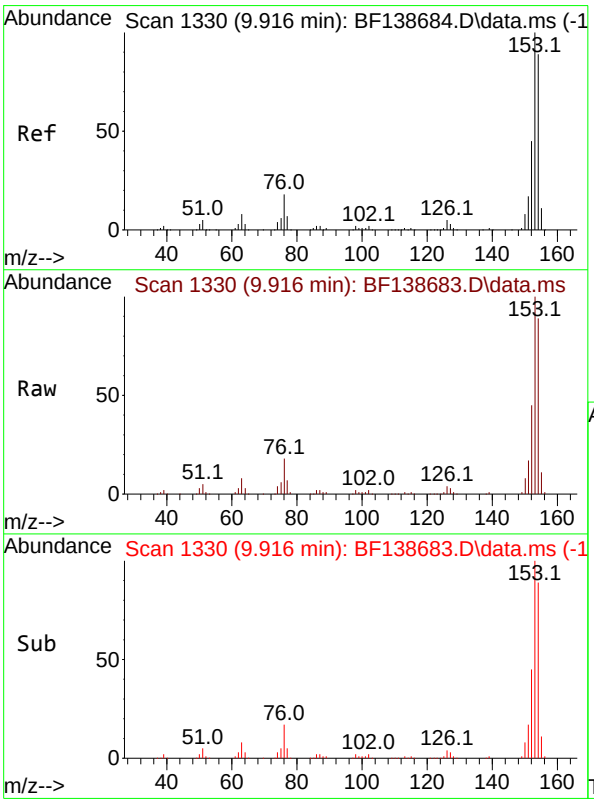
#51
2,6-Dinitrotoluene
Concen: 21.078 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

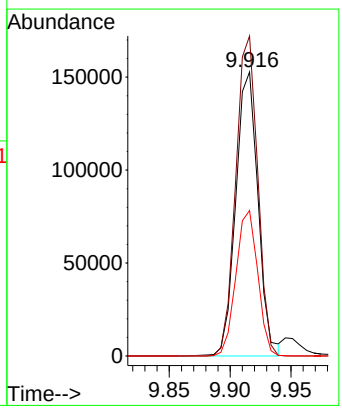


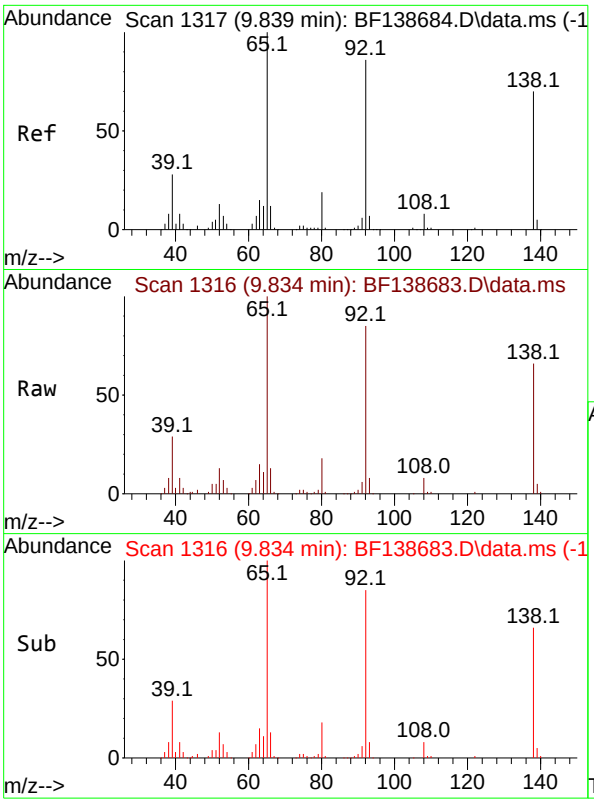


#52
Acenaphthene
Concen: 21.047 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



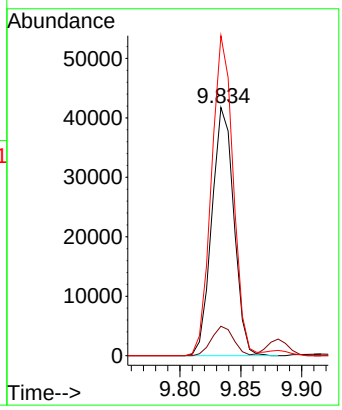


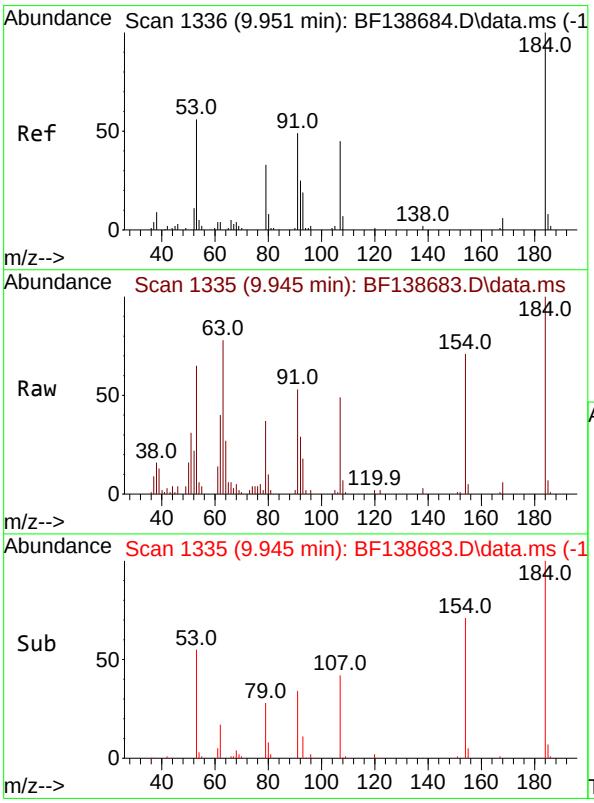
#53
3-Nitroaniline
Concen: 21.244 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

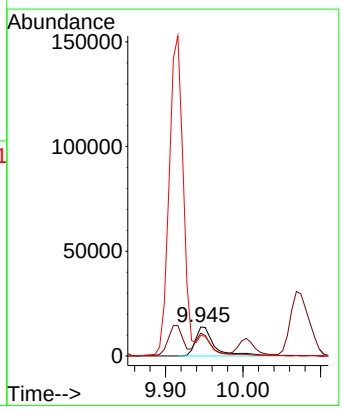


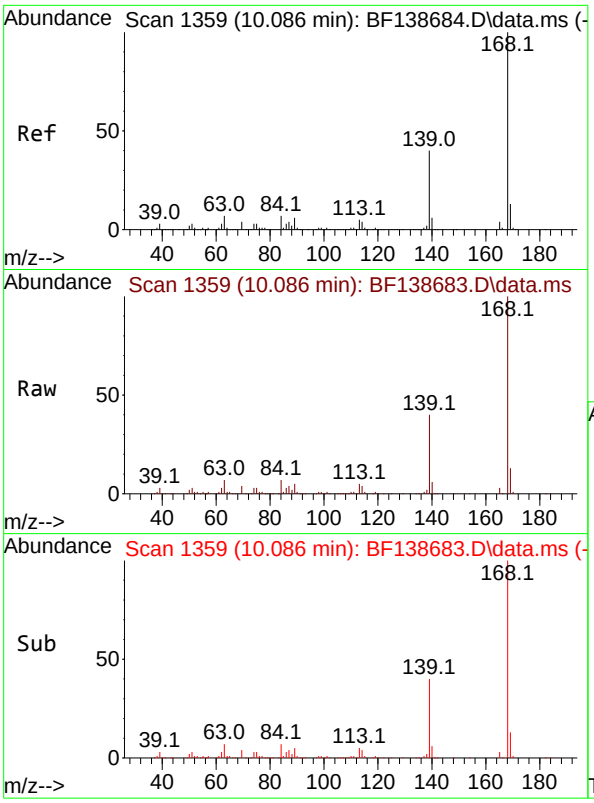


#54
2,4-Dinitrophenol
Concen: 21.374 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



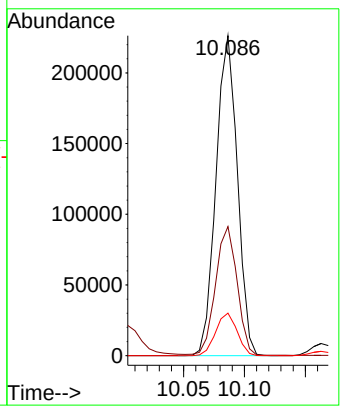


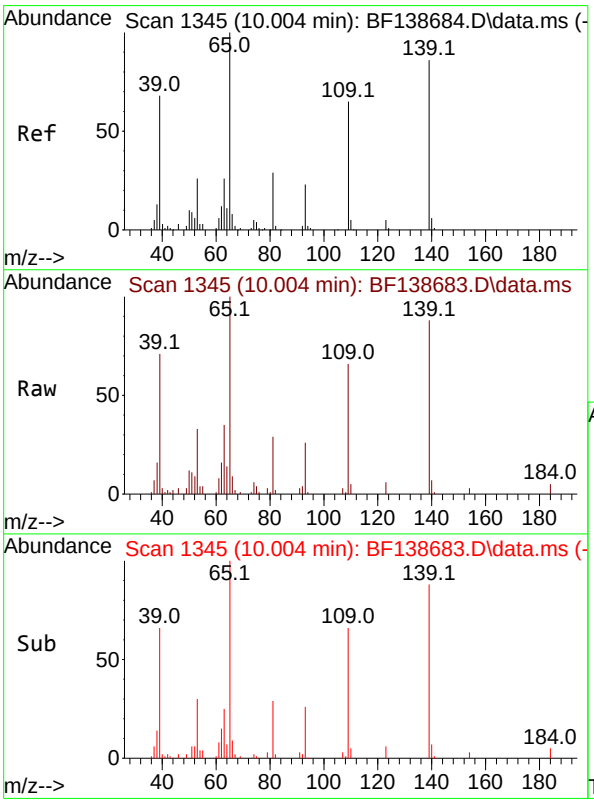
#55
Dibenzofuran
Concen: 21.249 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

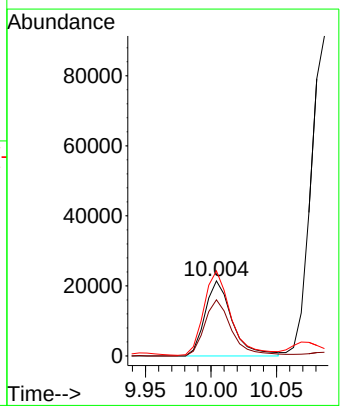


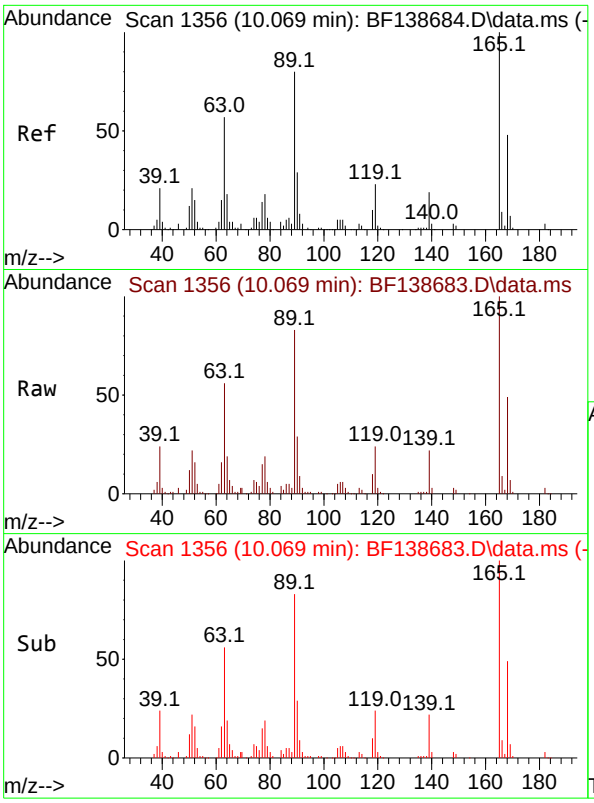


#56
4-Nitrophenol
Concen: 20.745 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



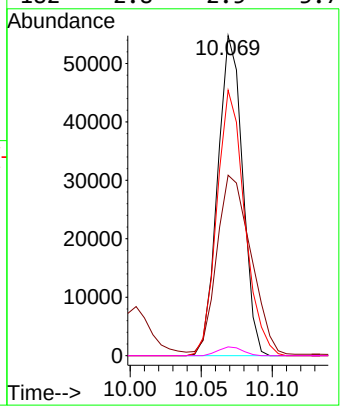


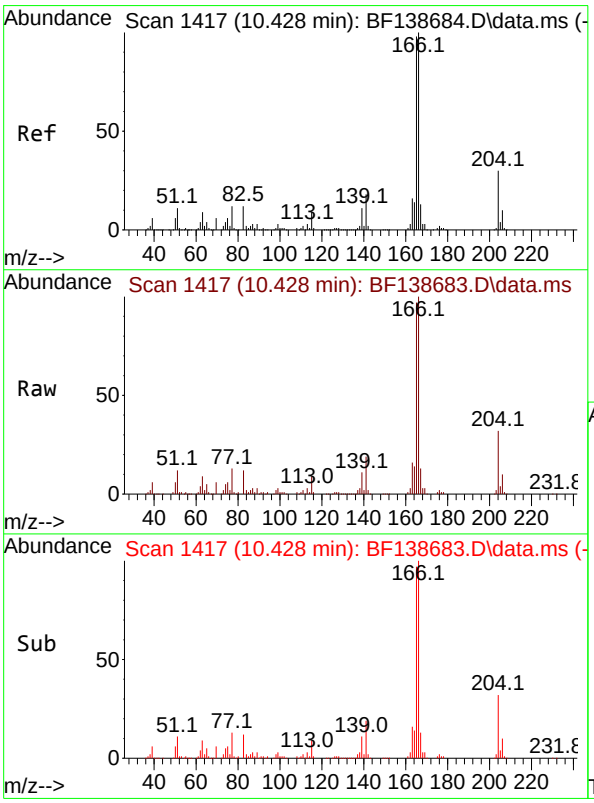
#57
2,4-Dinitrotoluene
Concen: 21.832 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

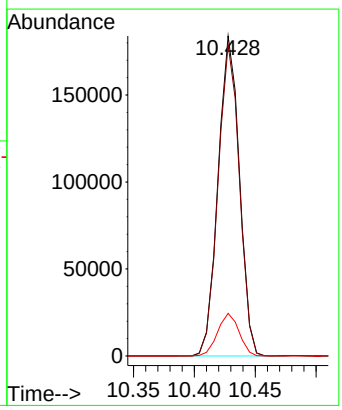


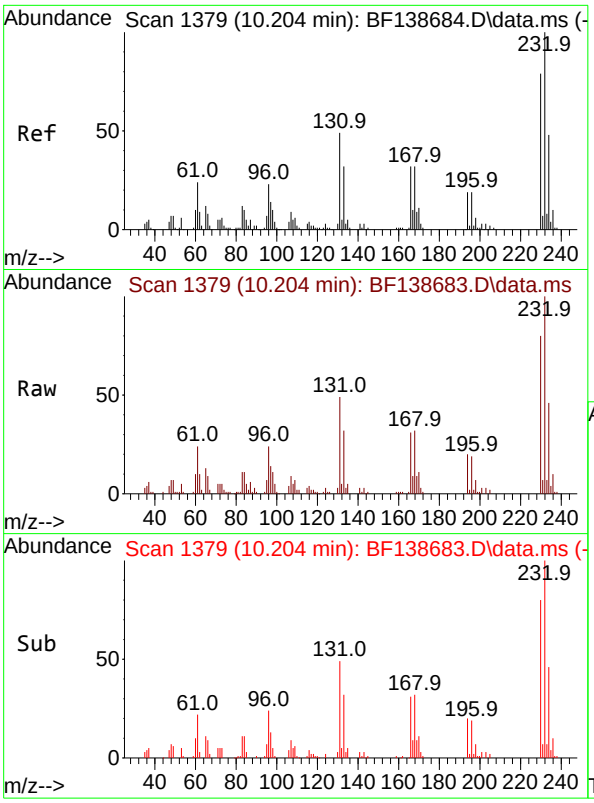


#58
Fluorene
Concen: 21.646 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



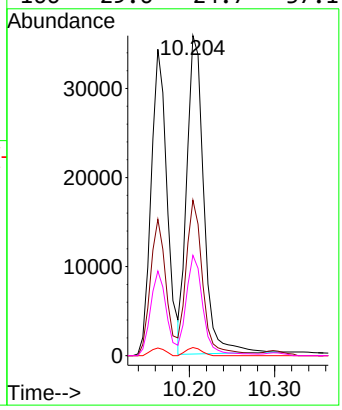


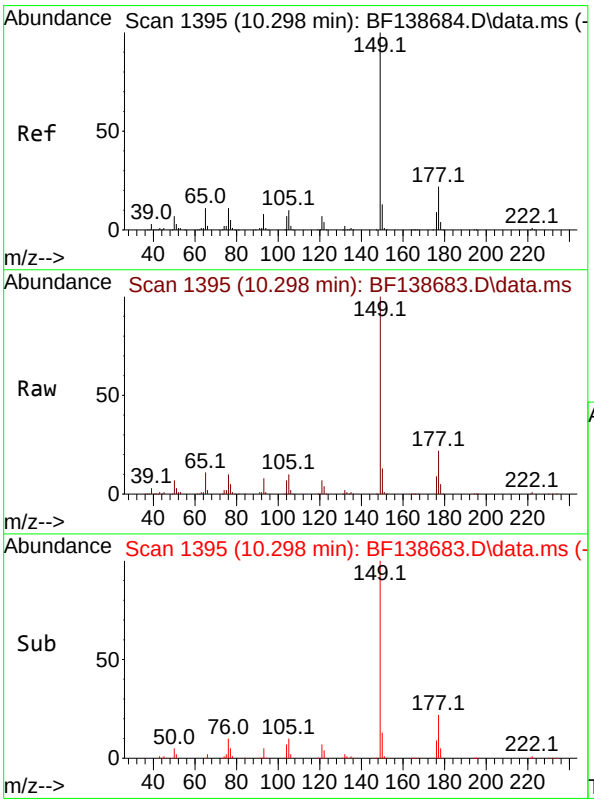
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.005 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

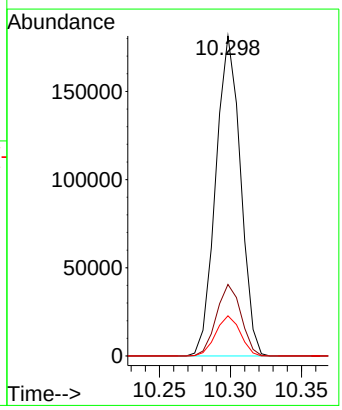


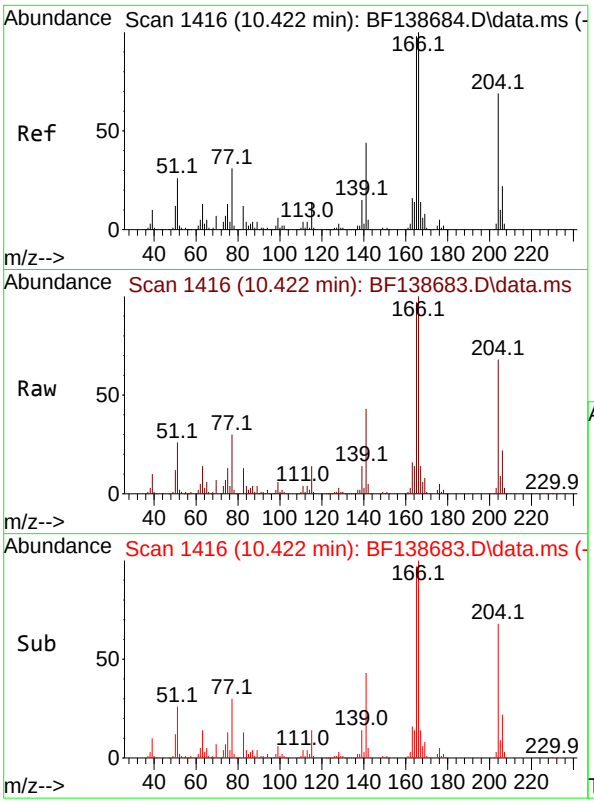


#60
Diethylphthalate
Concen: 21.793 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



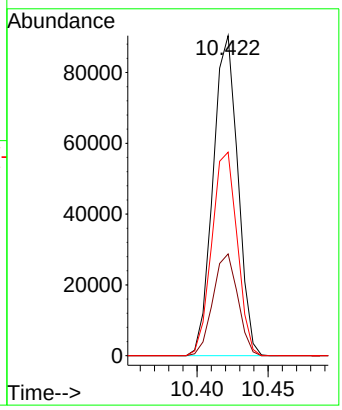


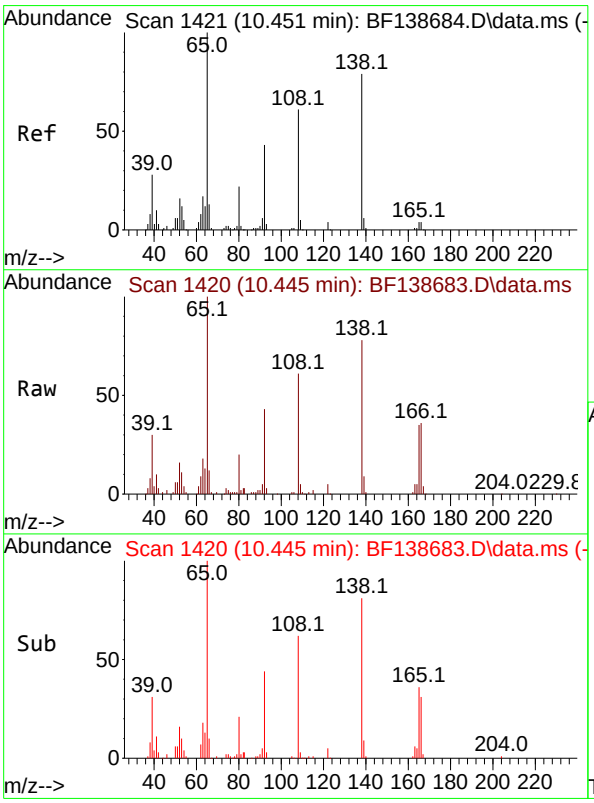
#61
4-Chlorophenyl-phenylether
Concen: 21.552 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

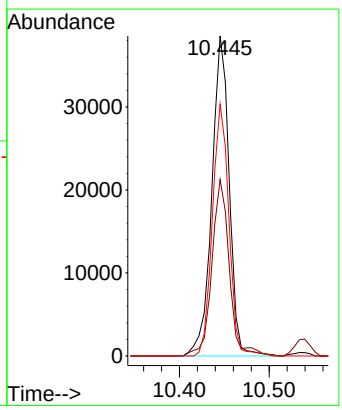


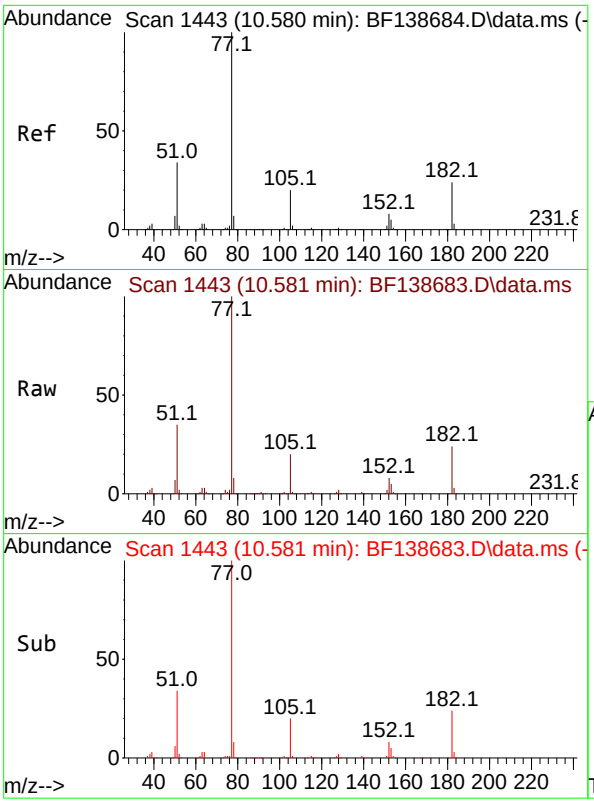


#62
4-Nitroaniline
Concen: 22.077 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



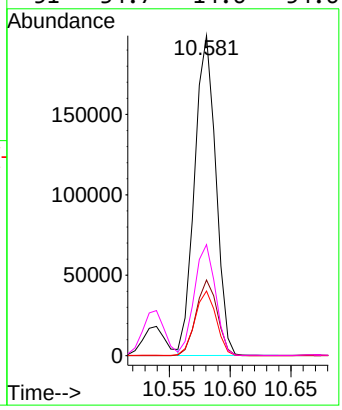


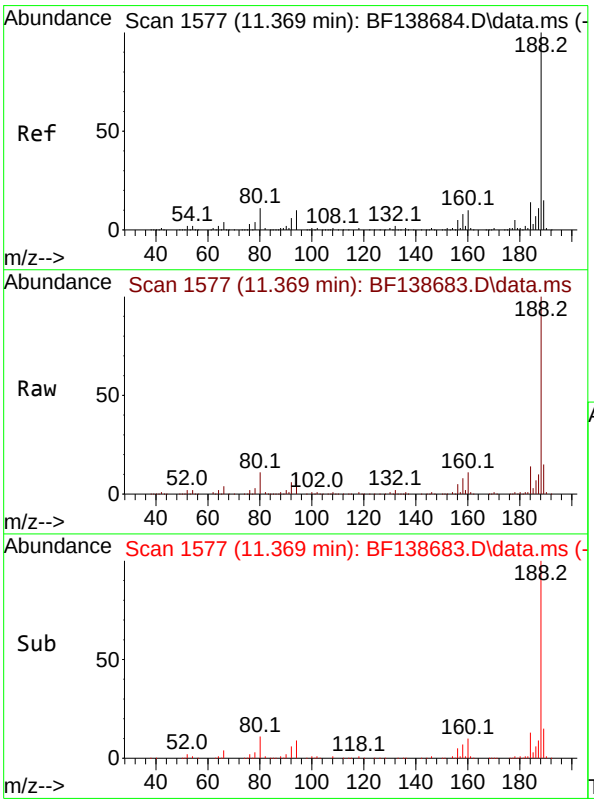
#63
Azobenzene
Concen: 21.566 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

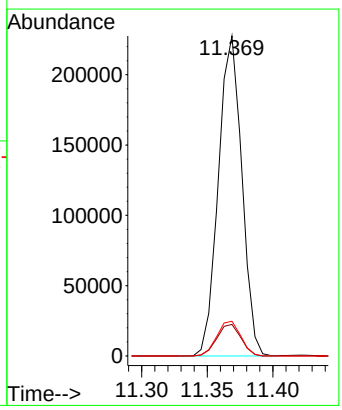


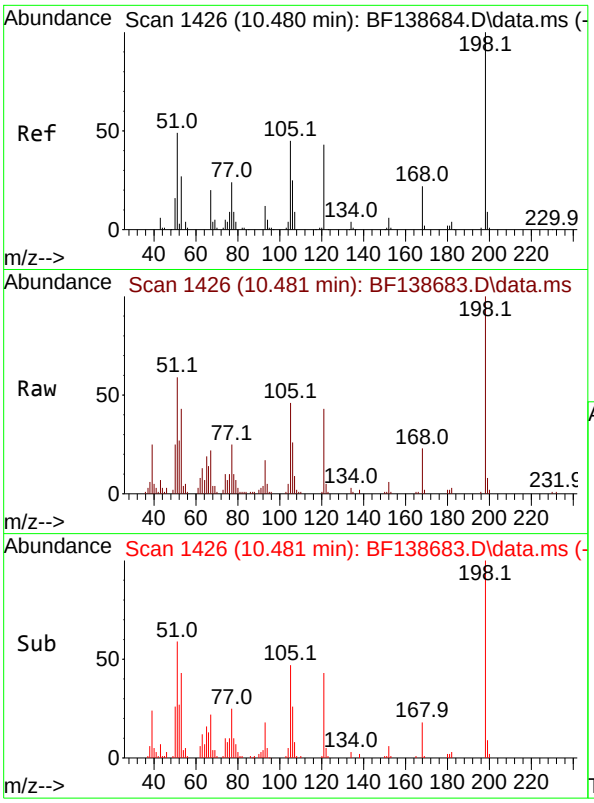


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



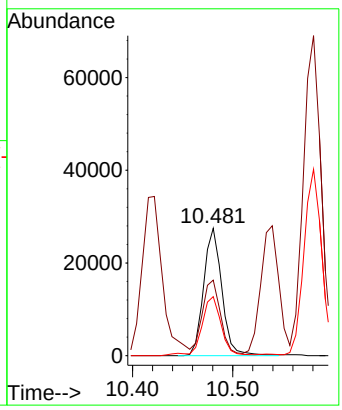


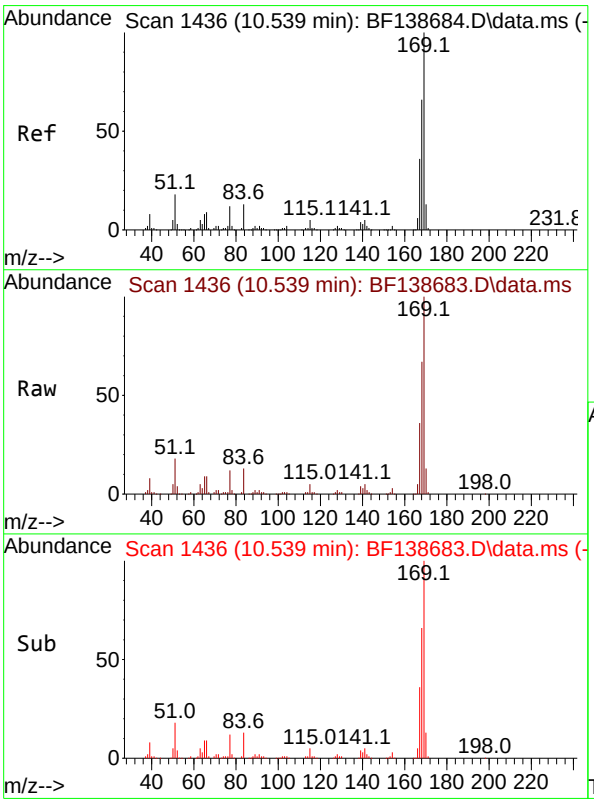
#65
4,6-Dinitro-2-methylphenol
Concen: 20.206 ng
RT: 10.481 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

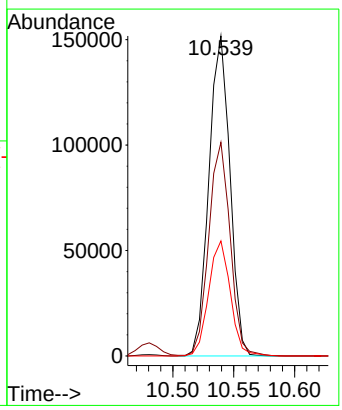


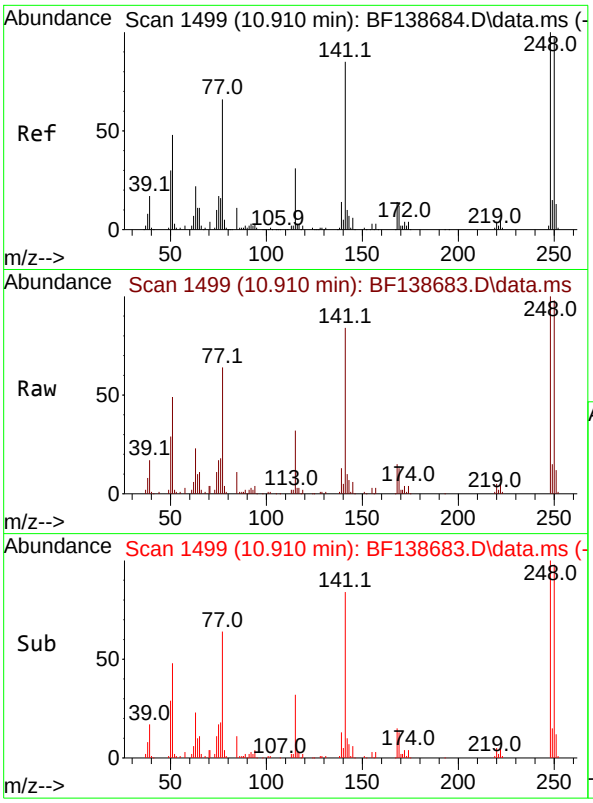


#66
n-Nitrosodiphenylamine
Concen: 20.636 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



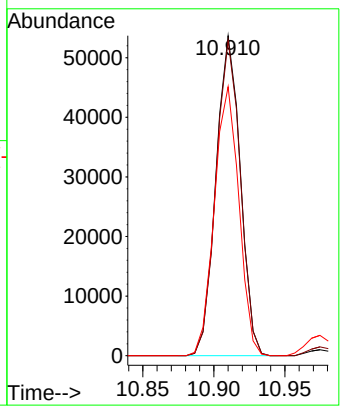


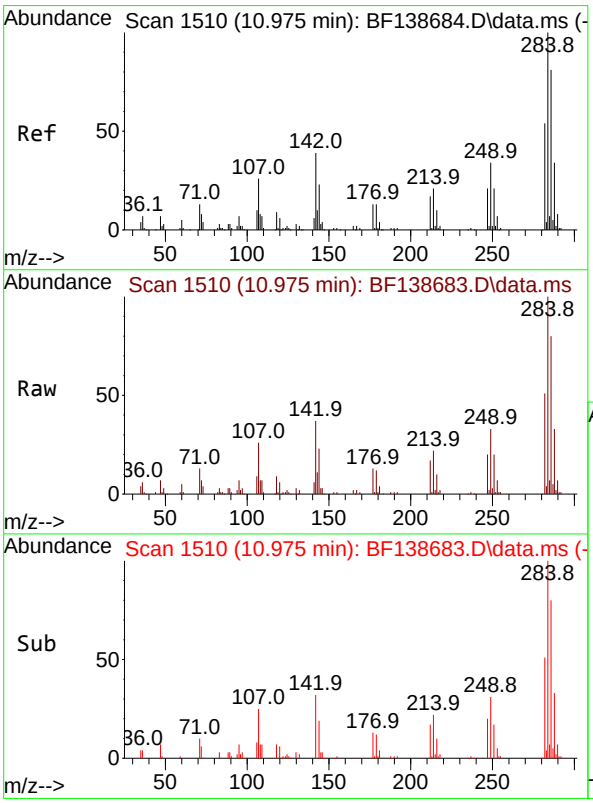
#67
4-Bromophenyl-phenylether
Concen: 20.903 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

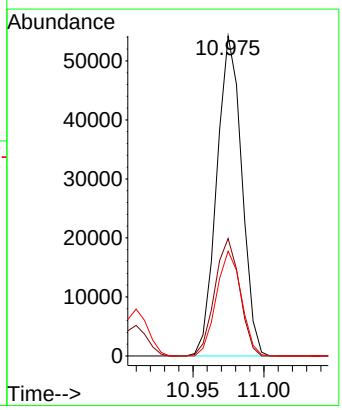


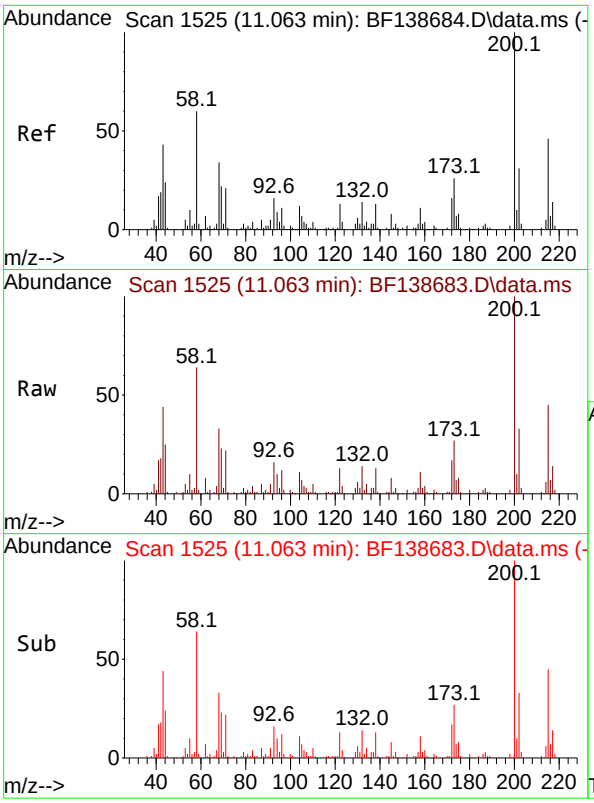


#68
Hexachlorobenzene
Concen: 20.966 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



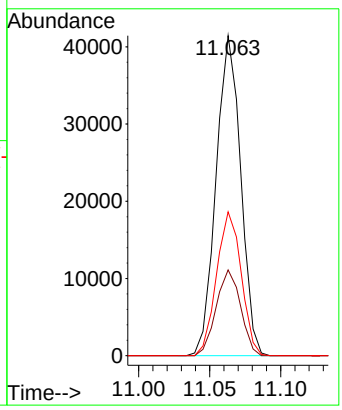


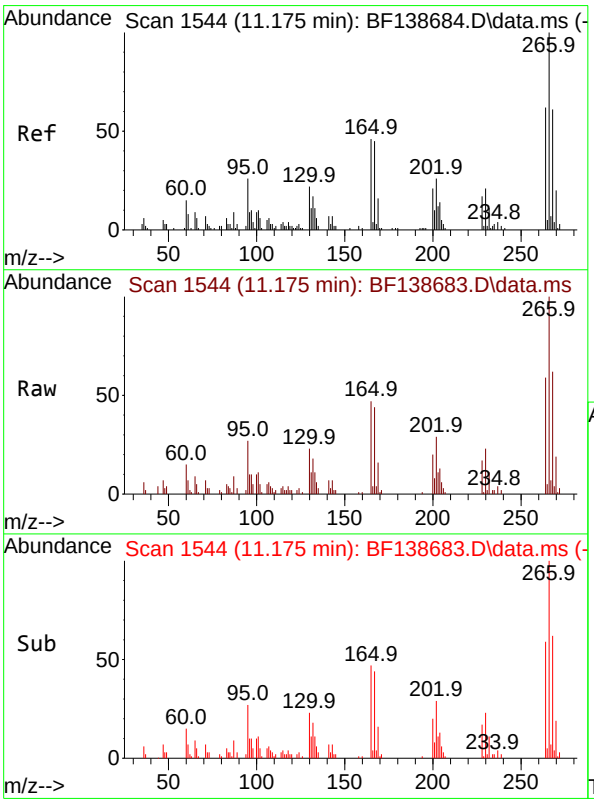
#69
Atrazine
Concen: 21.847 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

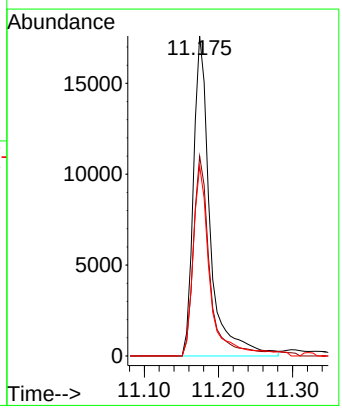


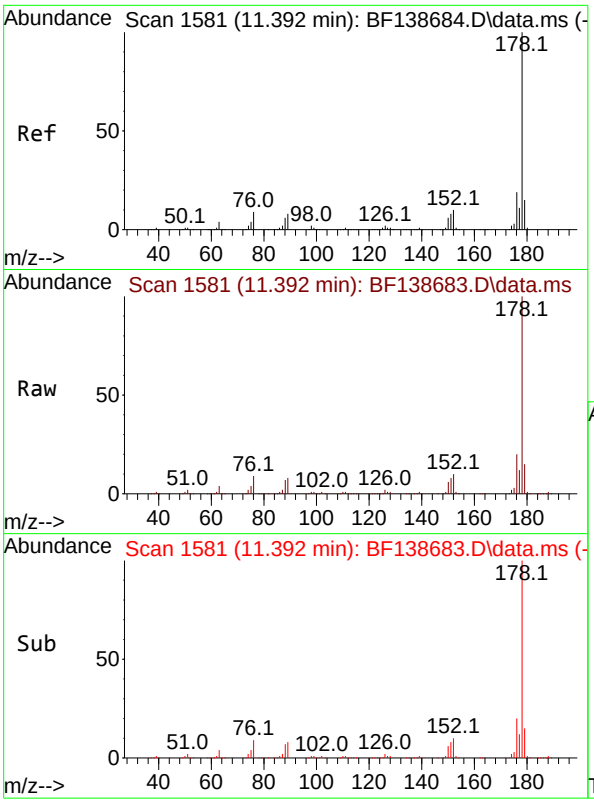


#70
Pentachlorophenol
Concen: 19.263 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



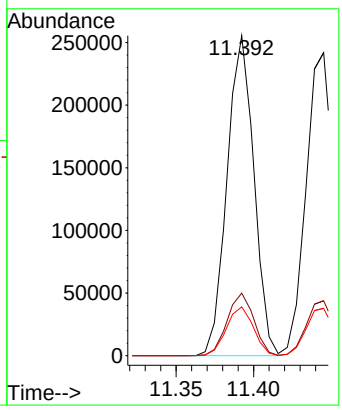


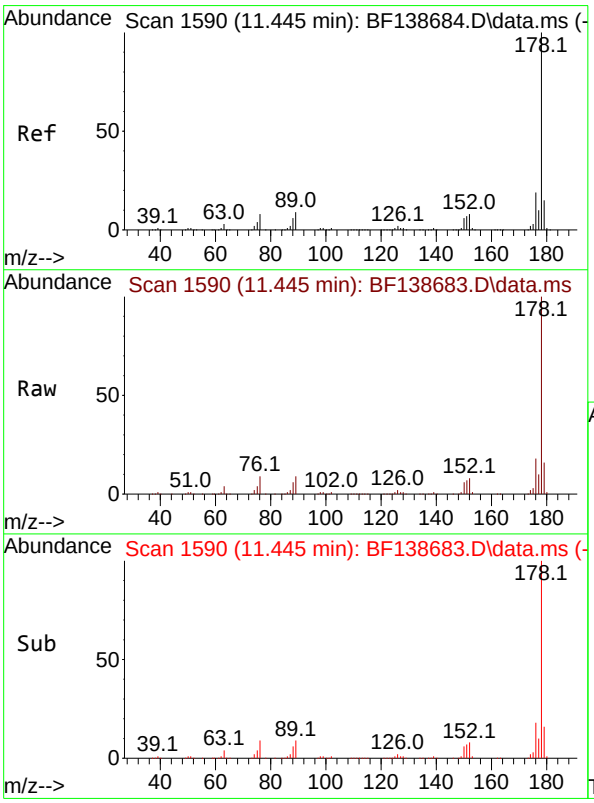
#71
Phenanthrene
Concen: 21.117 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

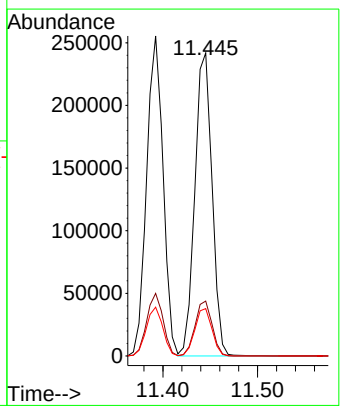


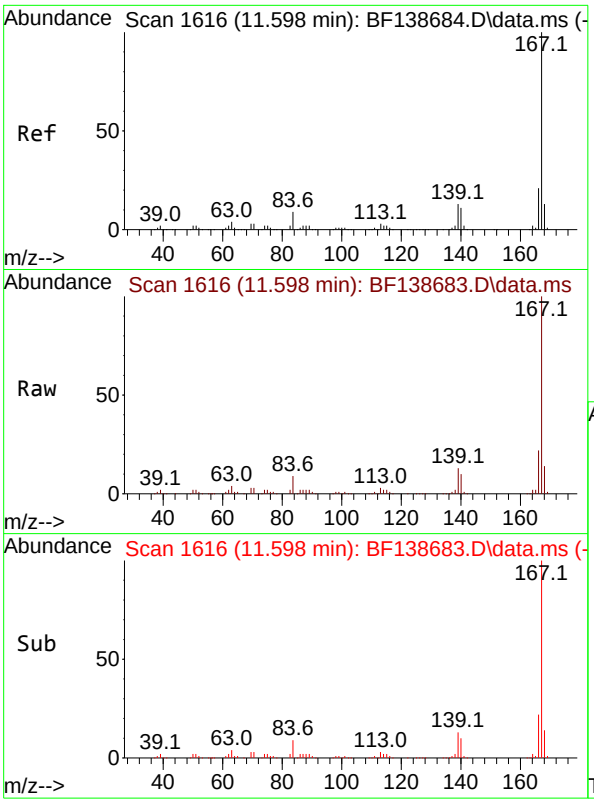


#72
Anthracene
Concen: 21.256 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



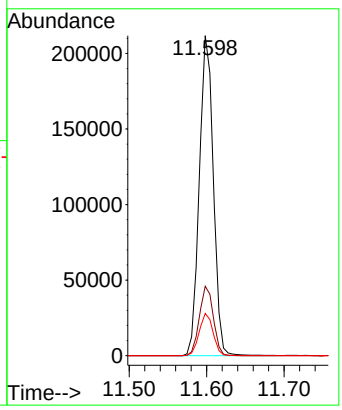


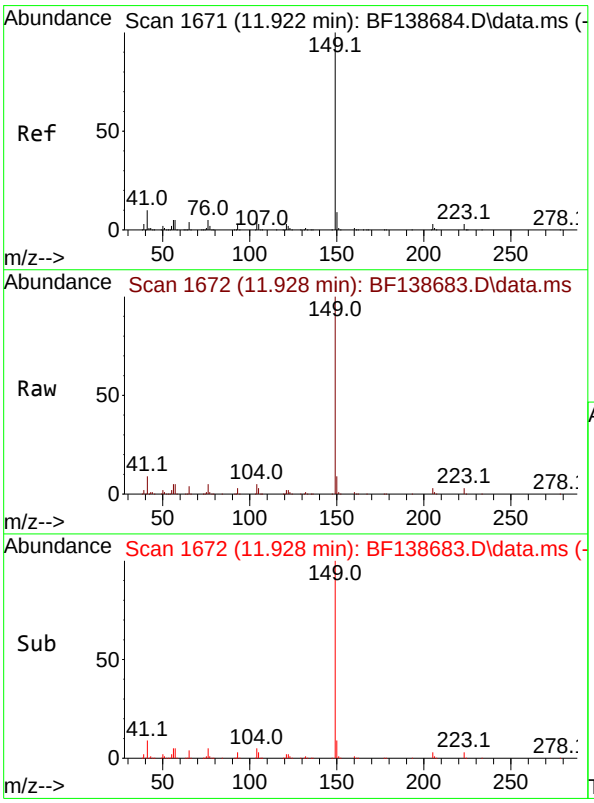
#73
Carbazole
Concen: 21.474 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

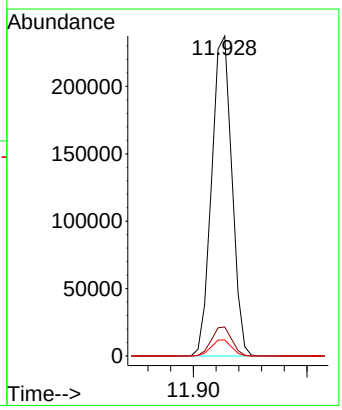


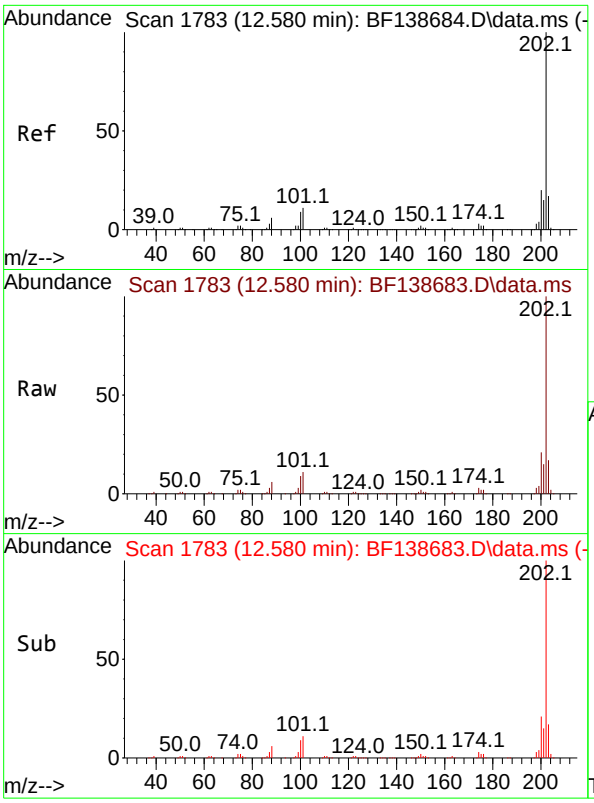


#74
Di-n-butylphthalate
Concen: 21.131 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



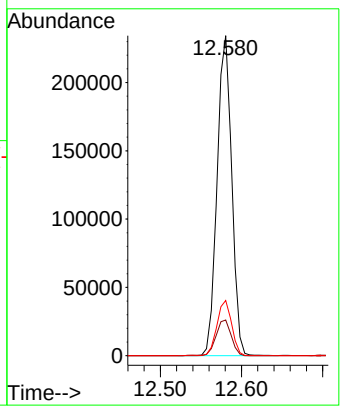


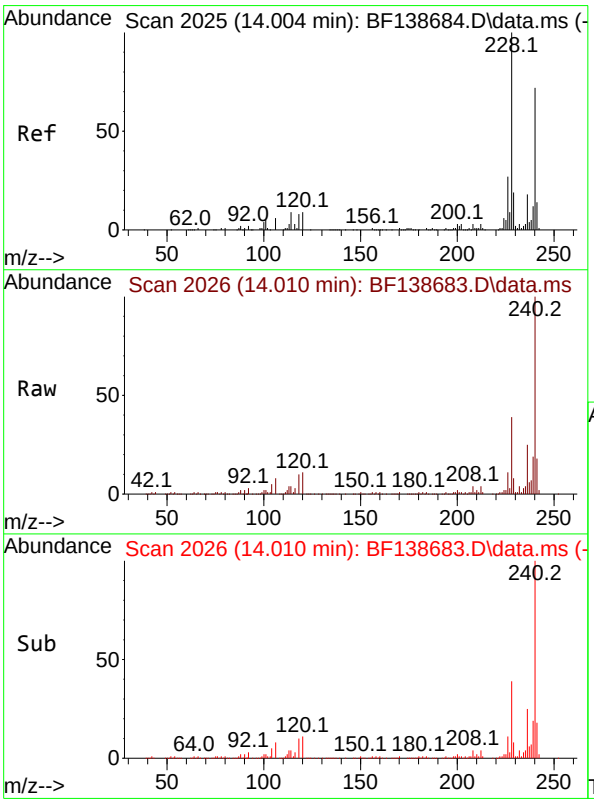
#75
Fluoranthene
Concen: 21.613 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

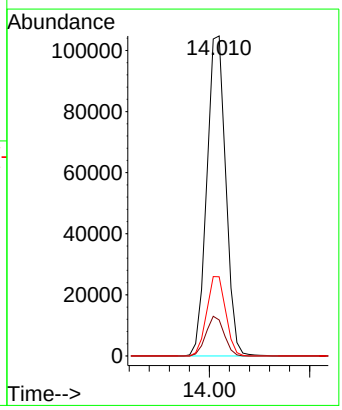


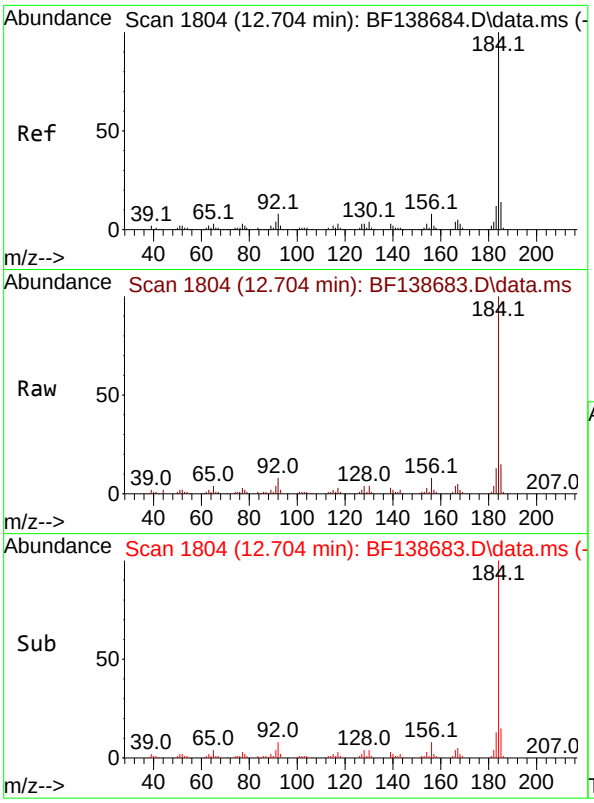


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



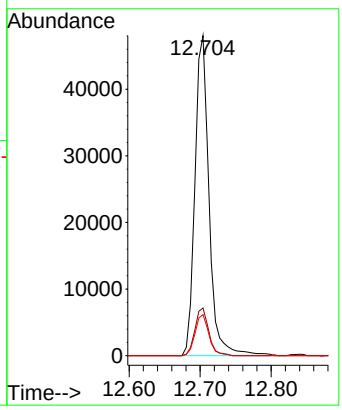


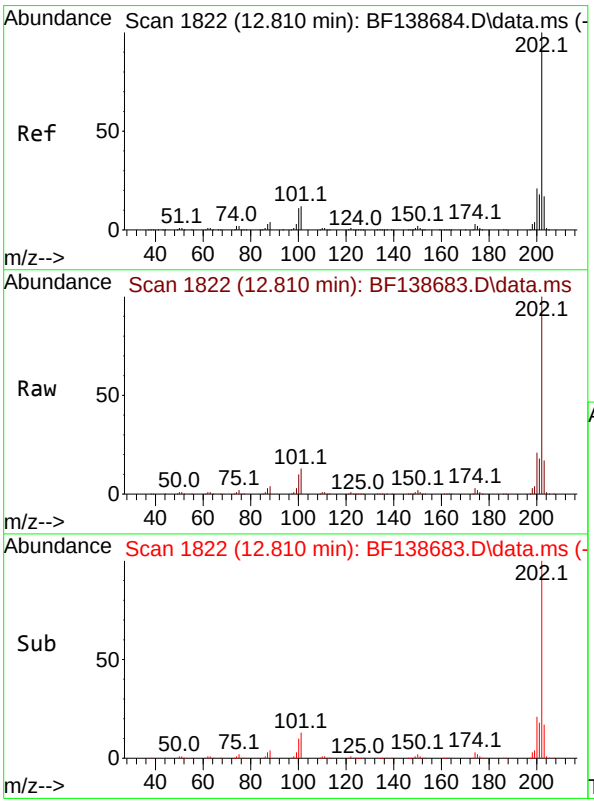
#77
Benzidine
Concen: 20.254 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

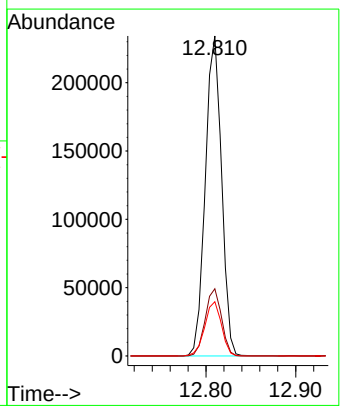


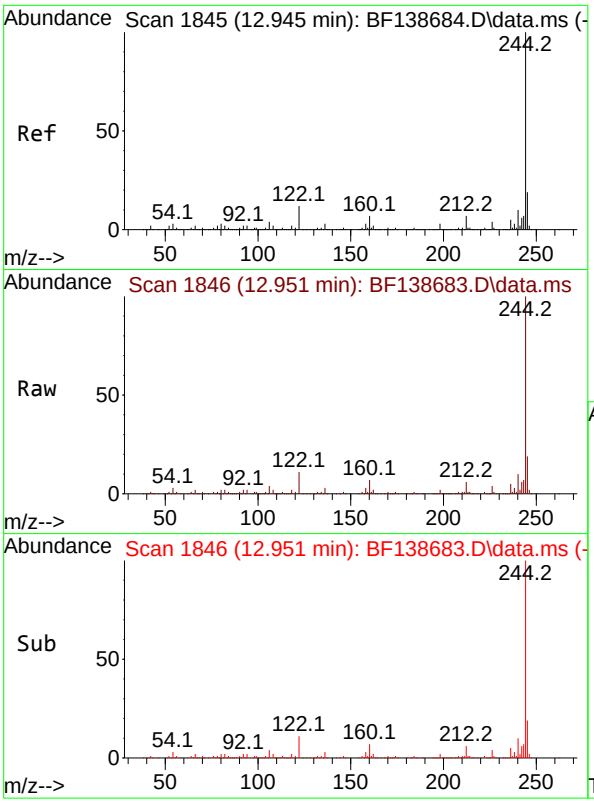


#78
Pyrene
Concen: 22.728 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



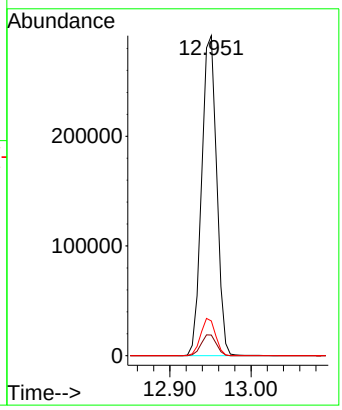


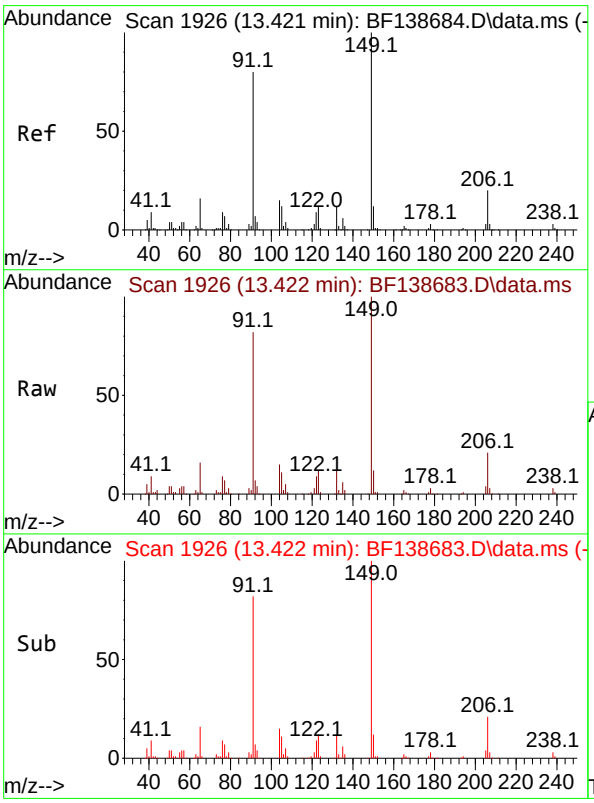
#79
Terphenyl-d14
Concen: 45.593 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

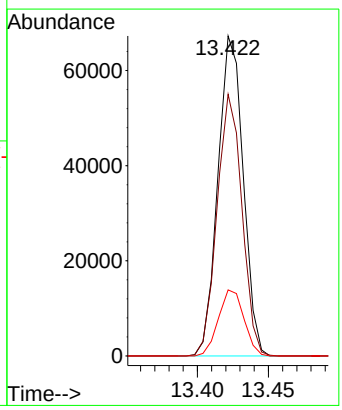


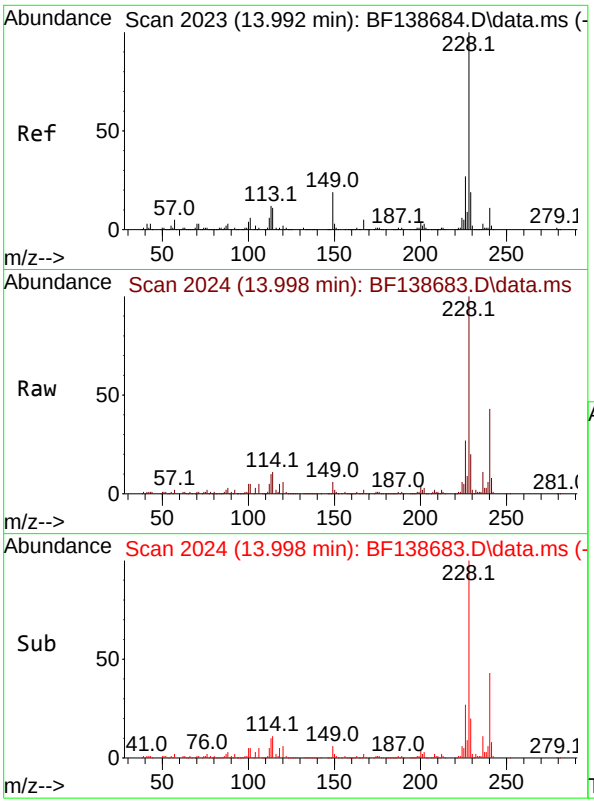


#80
Butylbenzylphthalate
Concen: 20.074 ng
RT: 13.422 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



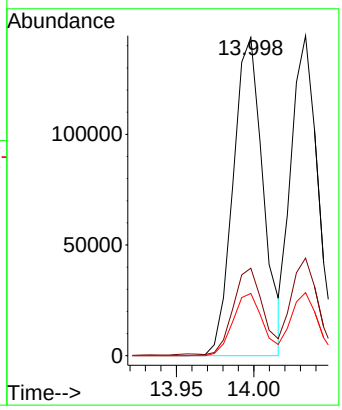


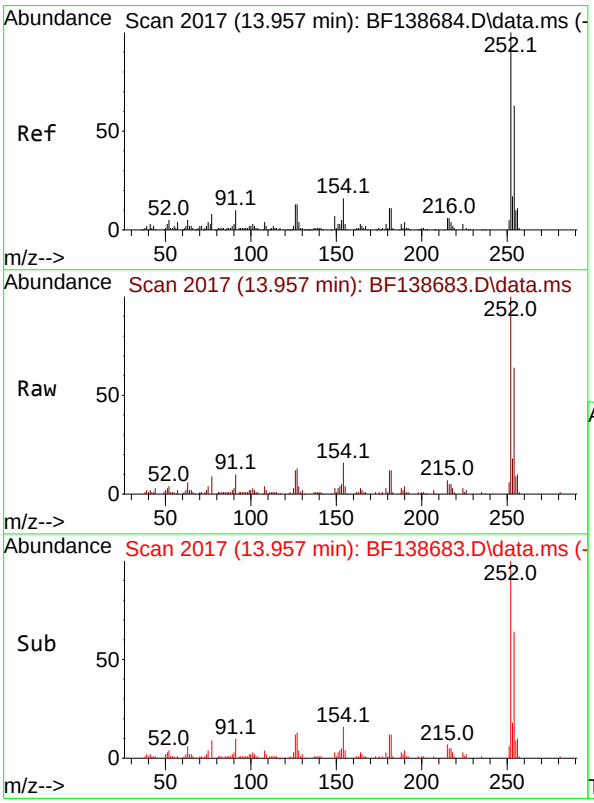
#81
Benzo(a)anthracene
Concen: 20.469 ng
RT: 13.998 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

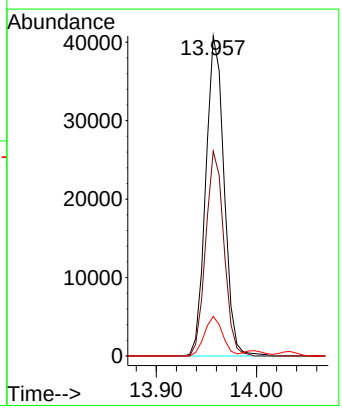


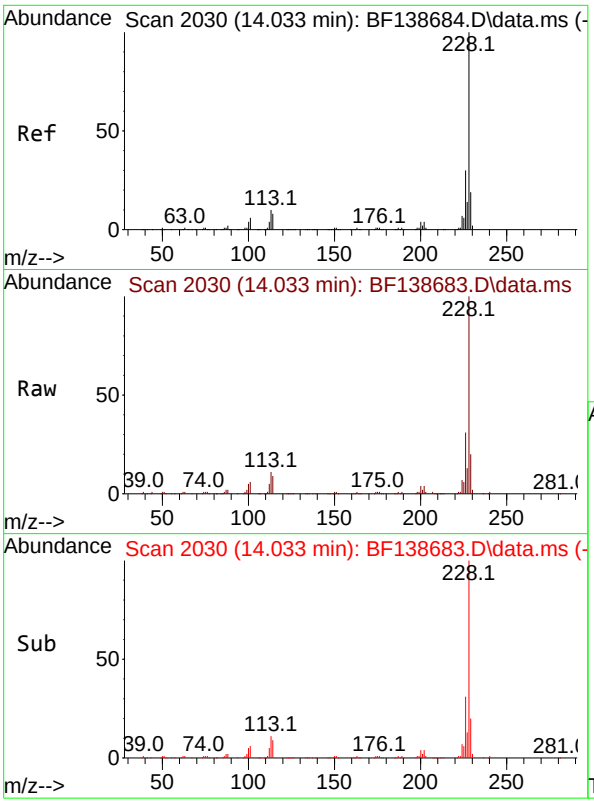


#82
3,3'-Dichlorobenzidine
Concen: 21.412 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



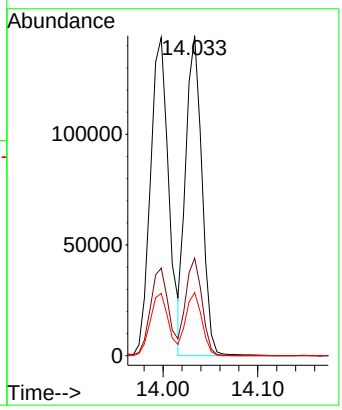


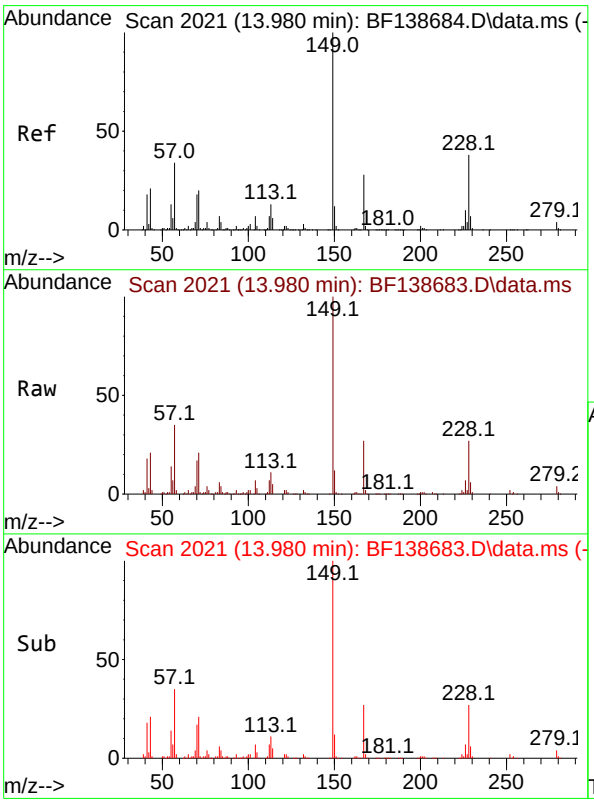
#83
Chrysene
Concen: 20.285 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

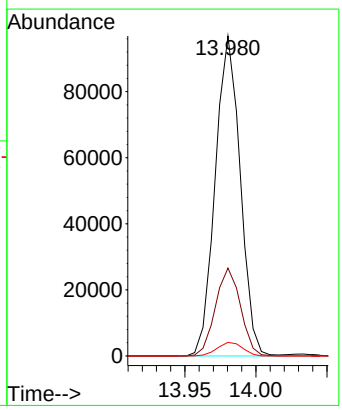


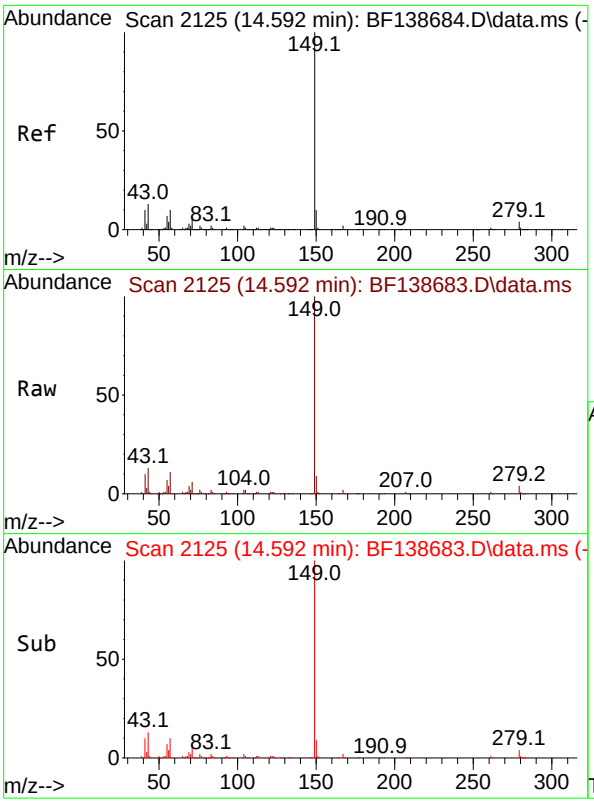


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.500 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



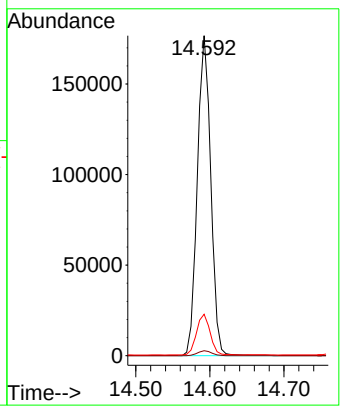


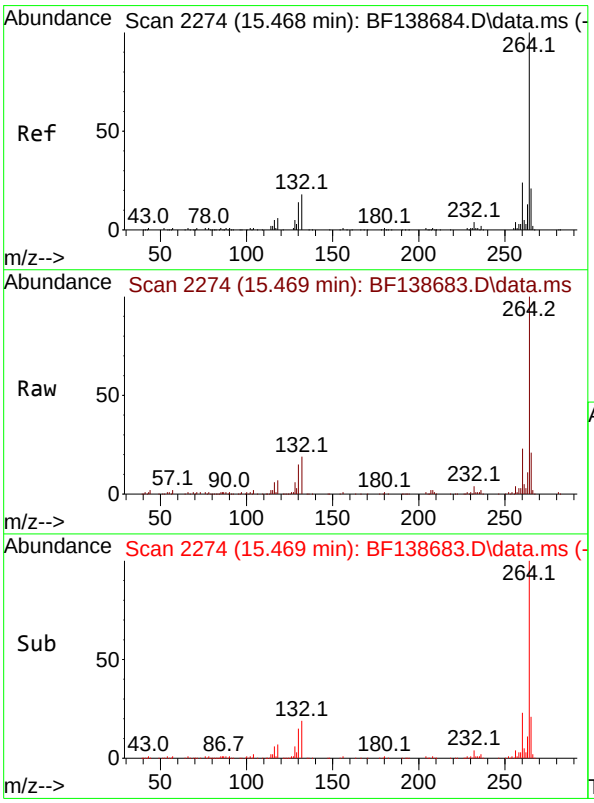
#85
Di-n-octyl phthalate
Concen: 19.758 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

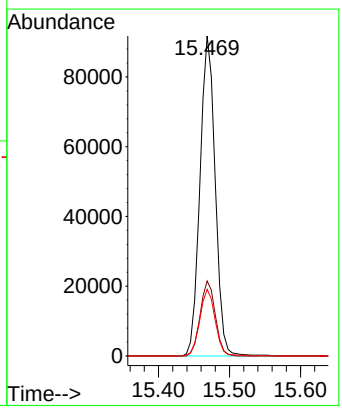


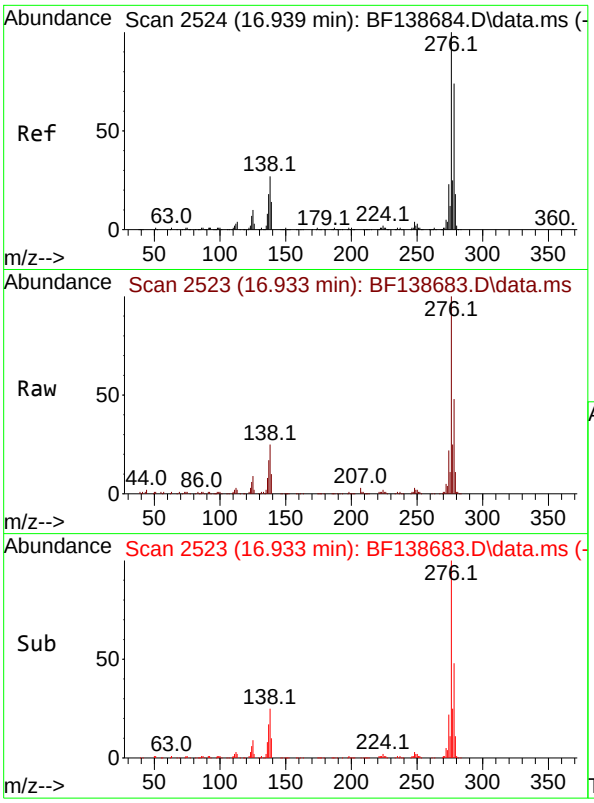


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



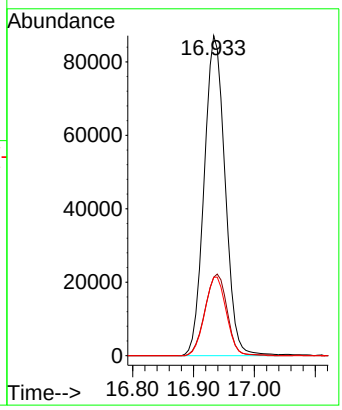


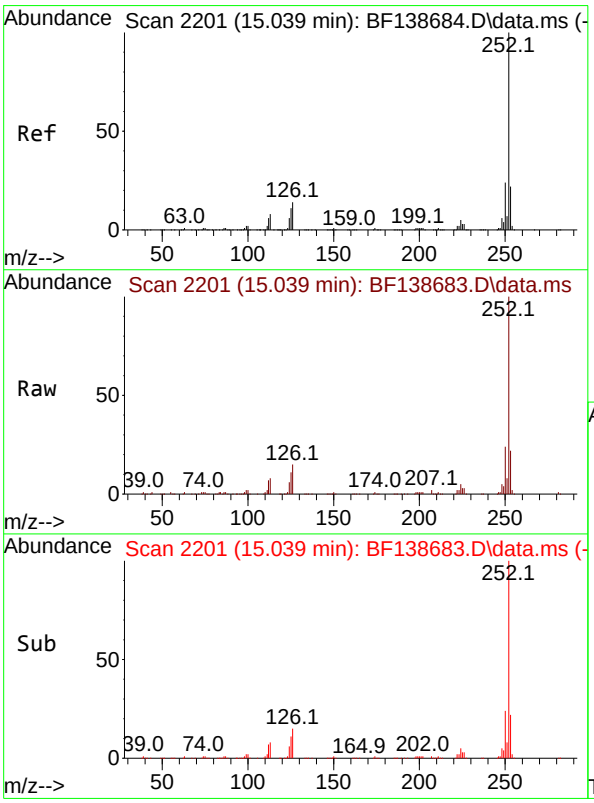
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.168 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

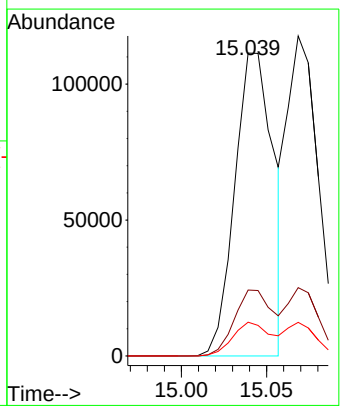


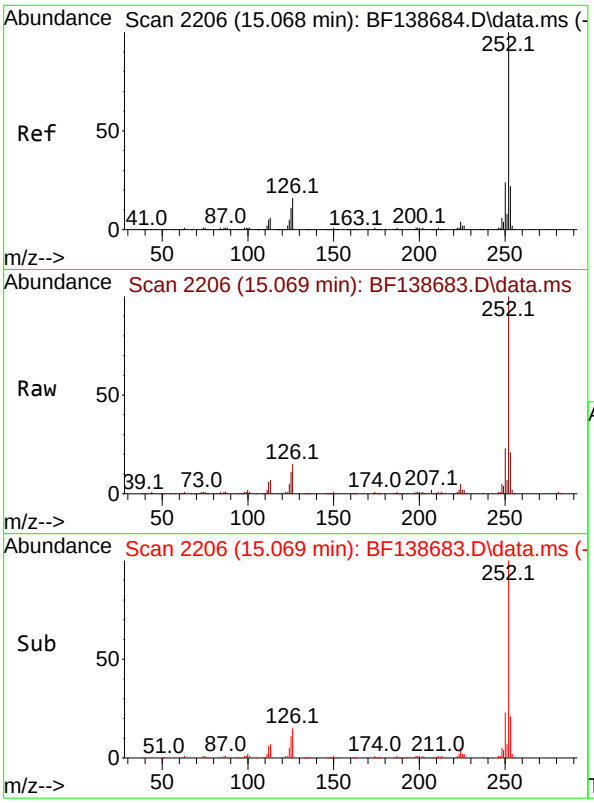


#88
Benzo(b)fluoranthene
Concen: 20.755 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



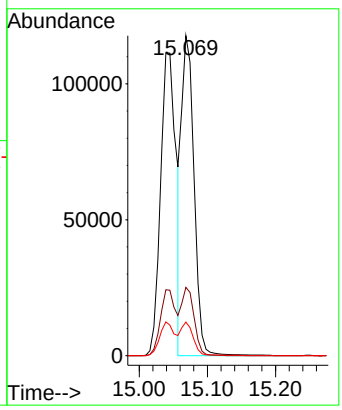


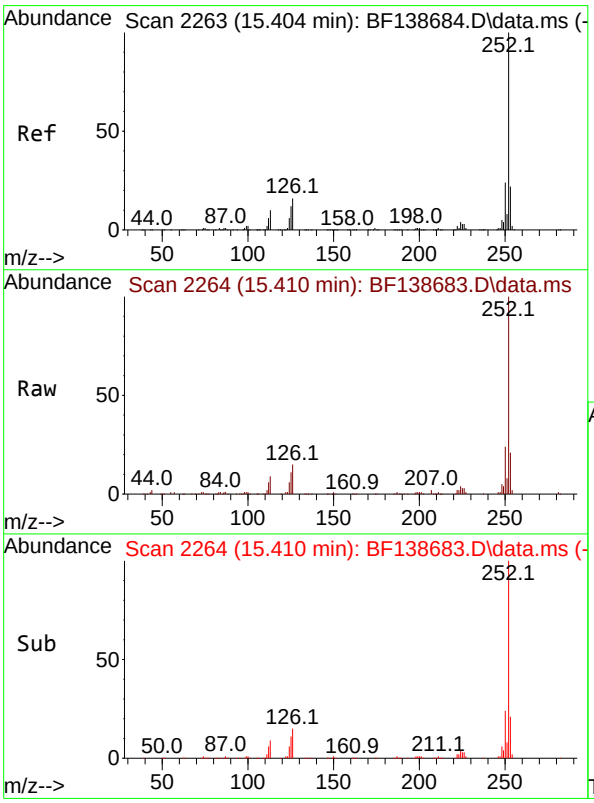
#89
Benzo(k)fluoranthene
Concen: 20.460 ng
RT: 15.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

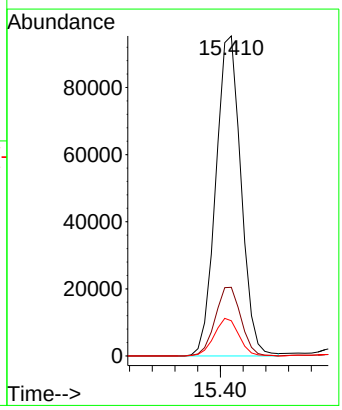


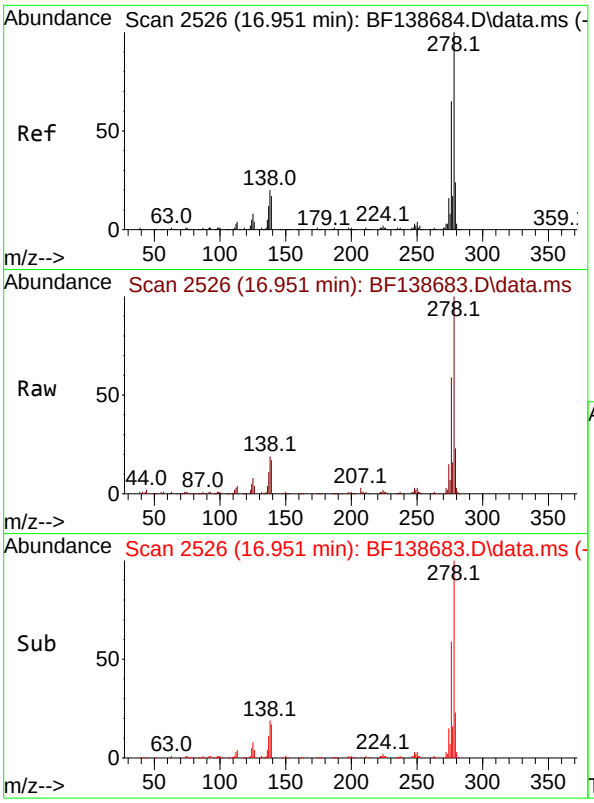


#90
Benzo(a)pyrene
Concen: 20.531 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



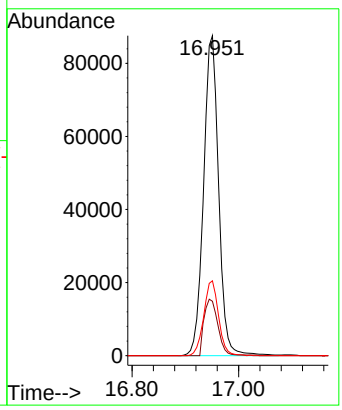


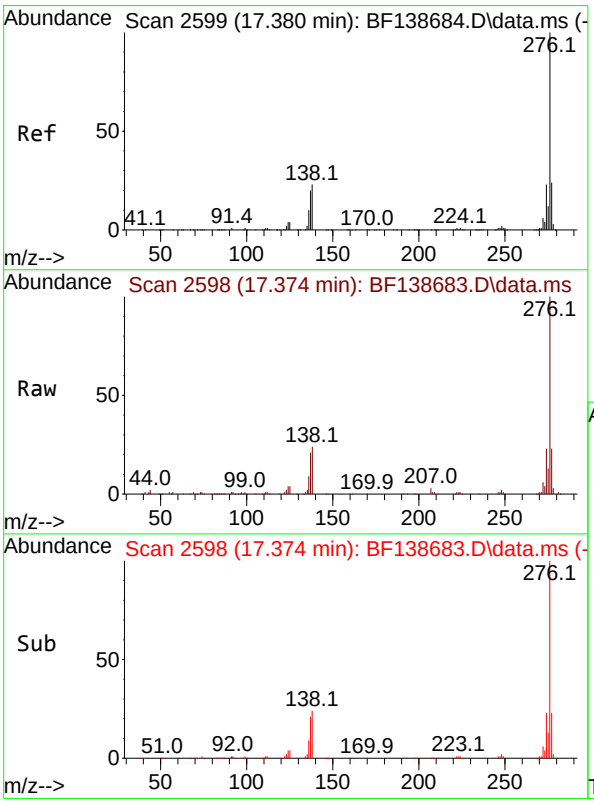
#91
Dibenzo(a,h)anthracene
Concen: 21.296 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

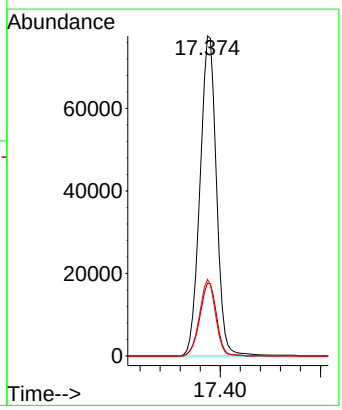




#92
Benzo(g,h,i)perylene
Concen: 21.110 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138684.D
Acq On : 30 Jul 2024 14:56
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 30 17:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

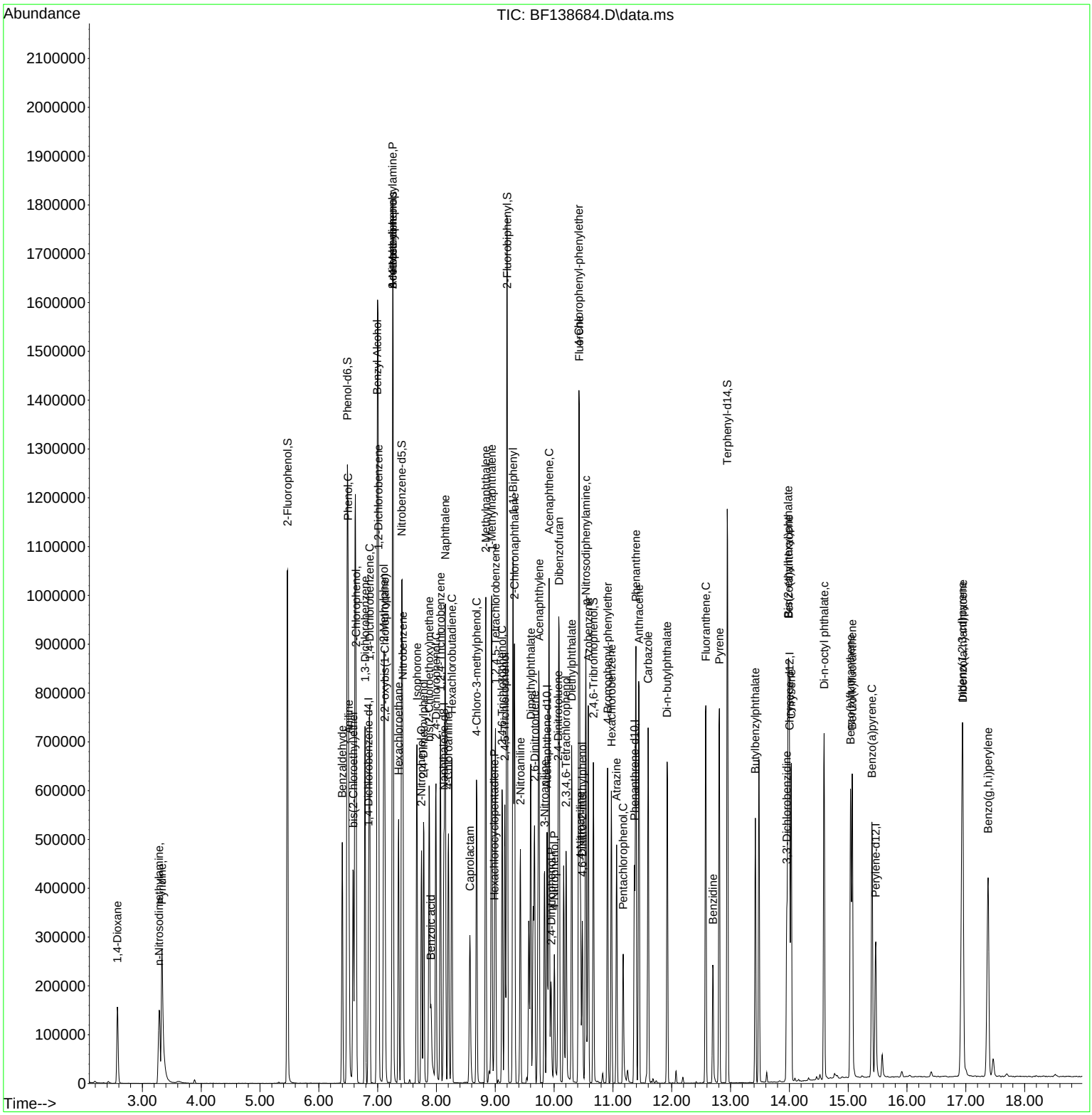
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	108268	39.788	ng	100
46) 1,1'-Biphenyl	9.304	154	452377	39.303	ng	100
47) 2-Chloronaphthalene	9.328	162	338303	39.520	ng	100
48) 2-Nitroaniline	9.428	65	114390	39.417	ng	100
49) Acenaphthylene	9.745	152	481180	39.633	ng	100
50) Dimethylphthalate	9.604	163	361332	38.452	ng	100
51) 2,6-Dinitrotoluene	9.669	165	84654	39.918	ng	100
52) Acenaphthene	9.916	154	318001	38.964	ng	100
53) 3-Nitroaniline	9.839	138	84697	38.633	ng	100
54) 2,4-Dinitrophenol	9.951	184	37379	38.289	ng	100
55) Dibenzofuran	10.086	168	445244	38.648	ng	100
56) 4-Nitrophenol	10.004	139	51459	39.032	ng	100
57) 2,4-Dinitrotoluene	10.069	165	106444	39.341	ng	100
58) Fluorene	10.428	166	354441	38.634	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	80452	38.673	ng	100
60) Diethylphthalate	10.298	149	339596	38.114	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	173020	38.346	ng	100
62) 4-Nitroaniline	10.451	138	79919	38.360	ng	100
63) Azobenzene	10.580	77	382056	38.662	ng	100
65) 4,6-Dinitro-2-methylph...	10.480	198	56704	40.852	ng	100
66) n-Nitrosodiphenylamine	10.539	169	287289	40.397	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	98606	40.031	ng	100
68) Hexachlorobenzene	10.975	284	100089	39.354	ng	100
69) Atrazine	11.063	200	73933	40.295	ng	100
70) Pentachlorophenol	11.175	266	46467	40.533	ng	100
71) Phenanthrene	11.392	178	464600	39.658	ng	100
72) Anthracene	11.445	178	456164	39.526	ng	100
73) Carbazole	11.598	167	395675	39.739	ng	100
74) Di-n-butylphthalate	11.922	149	451011	40.293	ng	100
75) Fluoranthene	12.580	202	439041	40.144	ng	100
77) Benzidine	12.704	184	134710	44.725	ng	100
78) Pyrene	12.810	202	440674	37.167	ng	100
80) Butylbenzylphthalate	13.421	149	158088	41.637	ng	100
81) Benzo(a)anthracene	13.992	228	351448	40.528	ng	100
82) 3,3'-Dichlorobenzidine	13.957	252	90595	40.825	ng	100
83) Chrysene	14.033	228	307799	39.343	ng	100
84) Bis(2-ethylhexyl)phtha...	13.980	149	238798	42.951	ng	100
85) Di-n-octyl phthalate	14.592	149	439133	42.690	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	422742	38.929	ng	100
88) Benzo(b)fluoranthene	15.039	252	372478	39.653	ng	100
89) Benzo(k)fluoranthene	15.068	252	303576	37.326	ng	100
90) Benzo(a)pyrene	15.404	252	309949	39.228	ng	100
91) Dibenzo(a,h)anthracene	16.951	278	343548	38.540	ng	100
92) Benzo(g,h,i)perylene	17.380	276	363283	39.273	ng	100

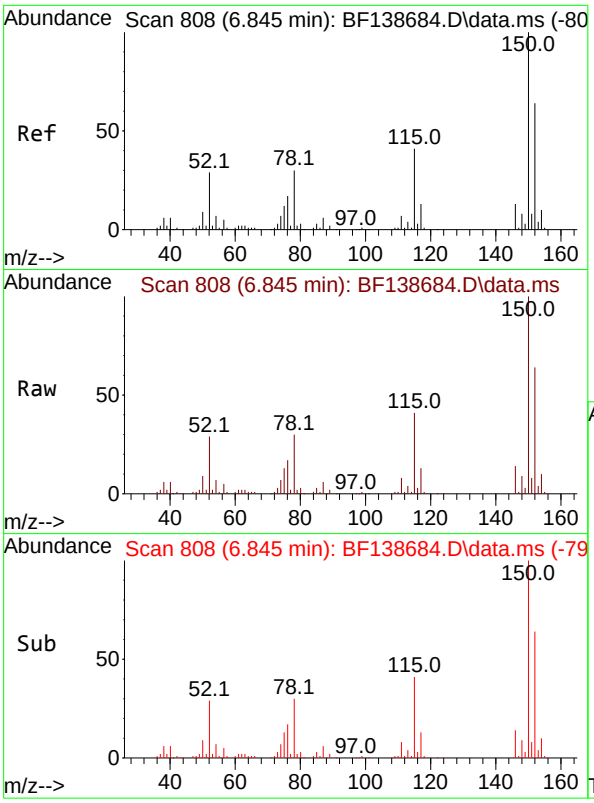
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



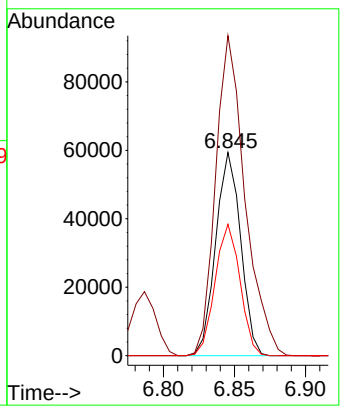


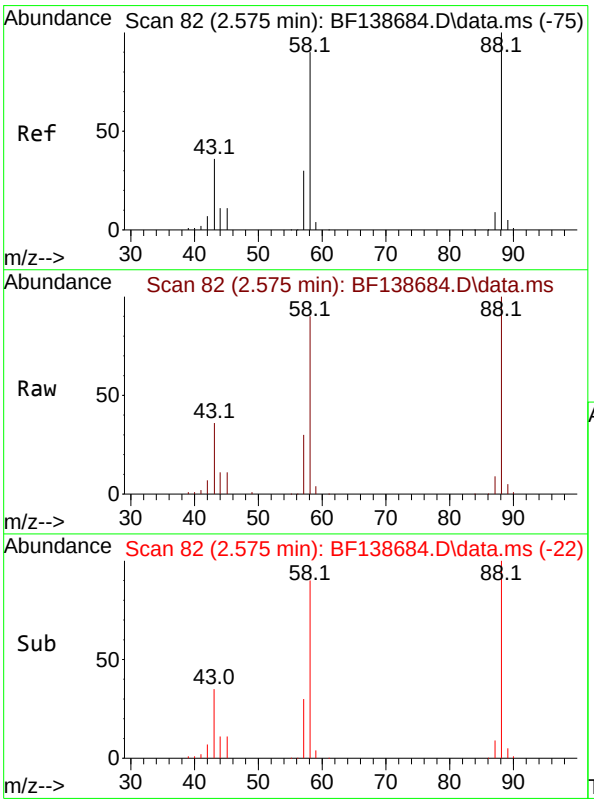
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

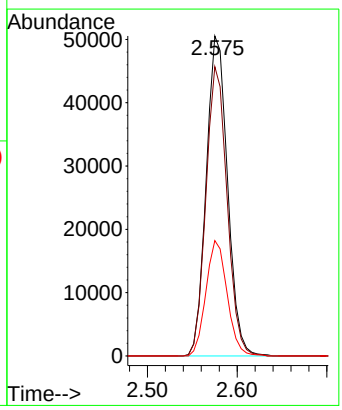


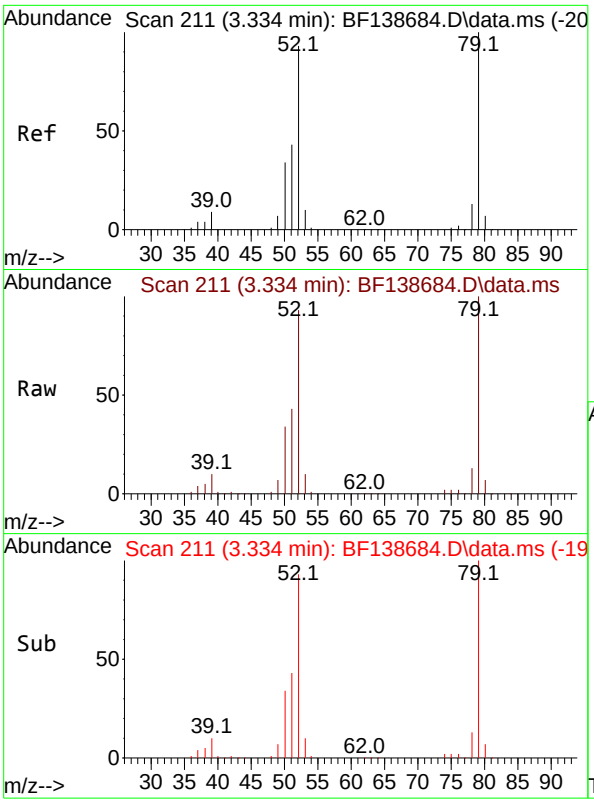


#2
1,4-Dioxane
Concen: 40.585 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



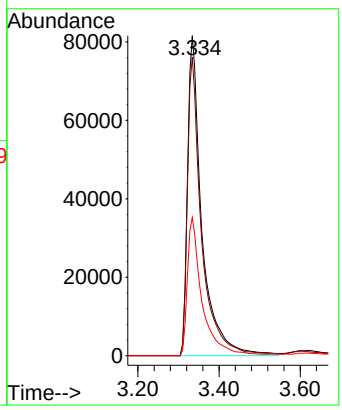


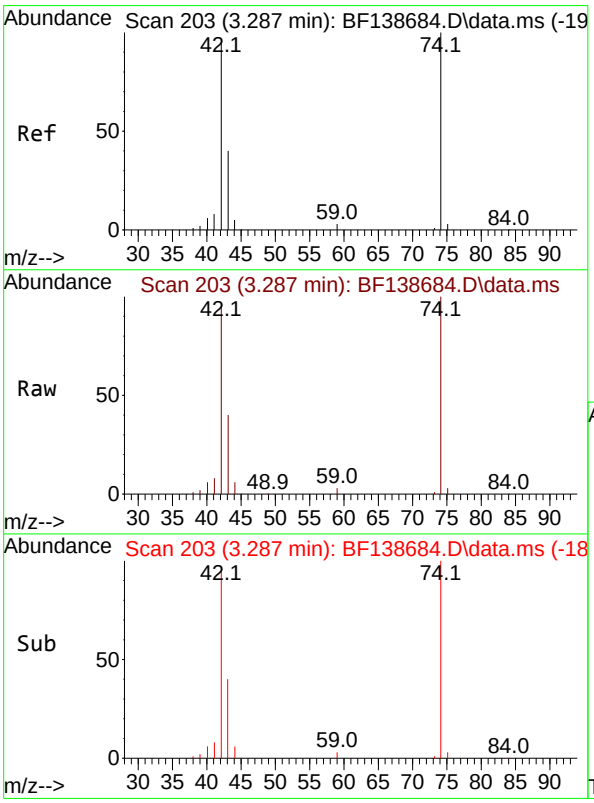
#3
Pyridine
Concen: 40.213 ng
RT: 3.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

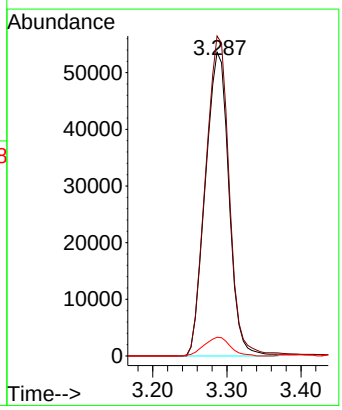


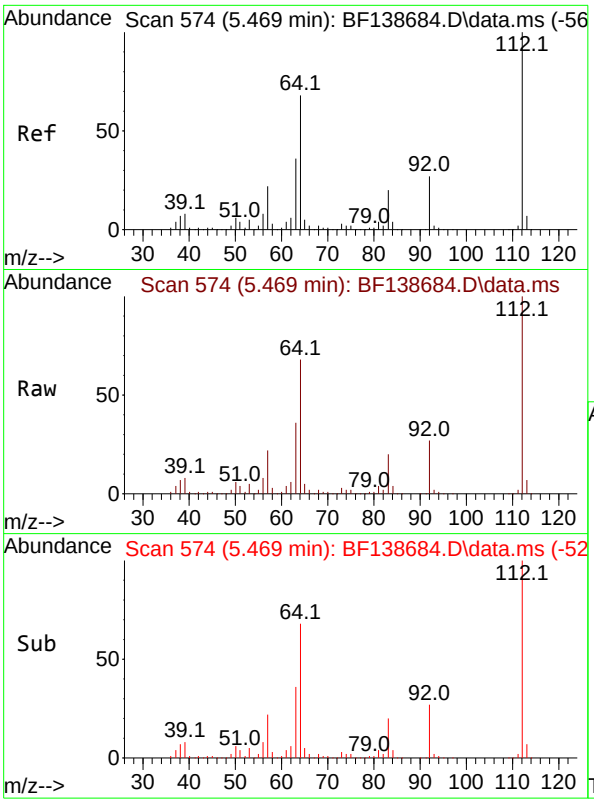


#4
n-Nitrosodimethylamine
Concen: 39.802 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



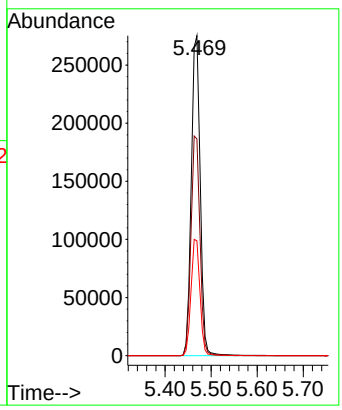


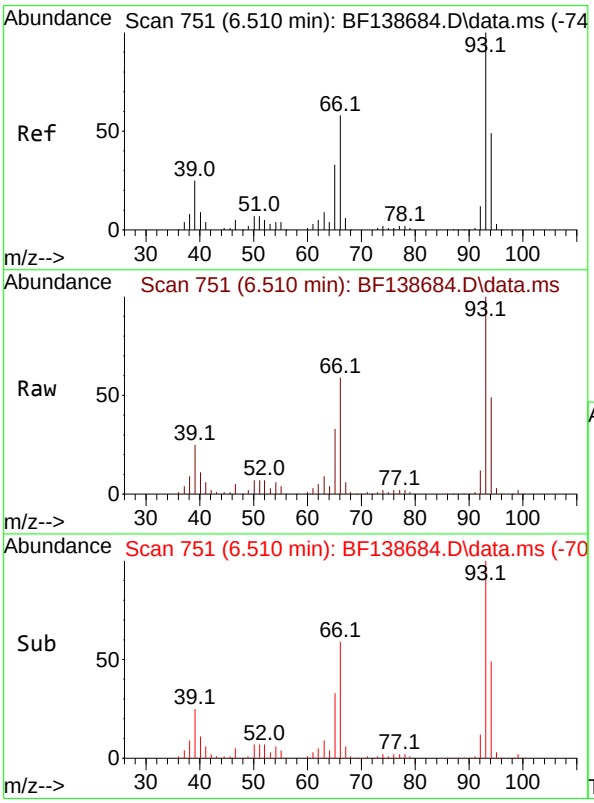
#5
2-Fluorophenol
Concen: 78.662 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

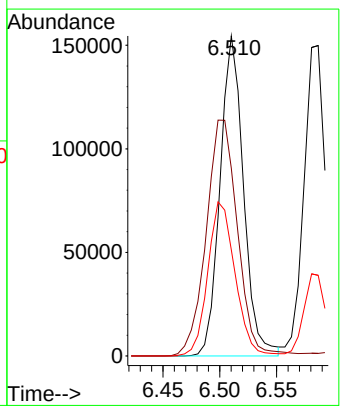


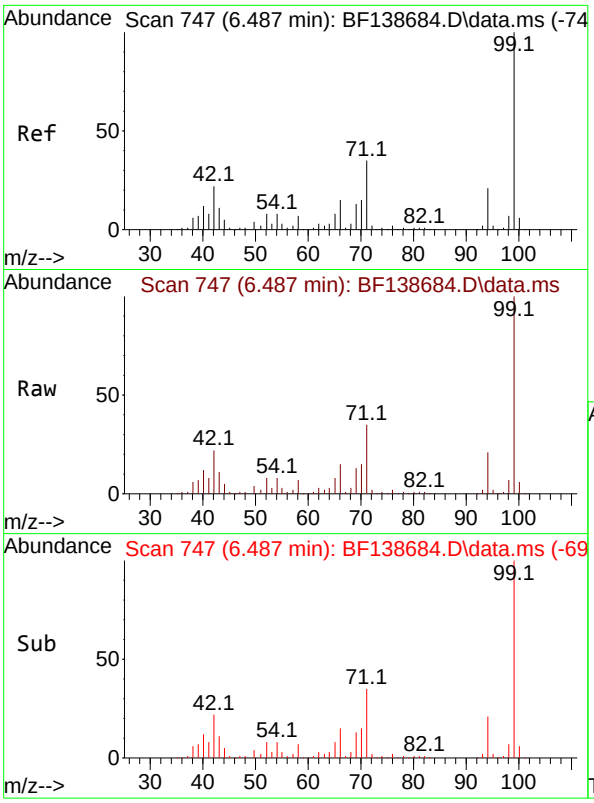


#6
Aniline
Concen: 39.503 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



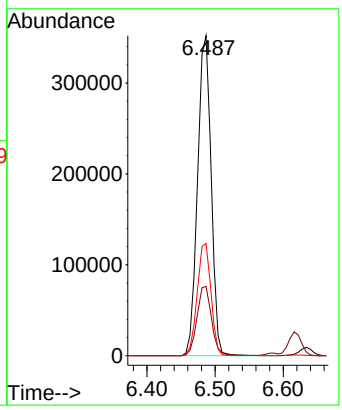


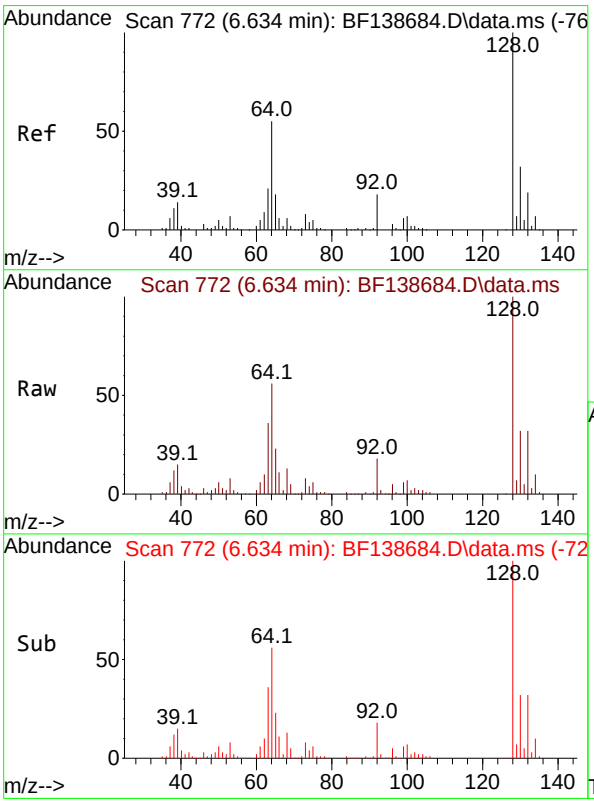
#7
Phenol-d6
Concen: 77.330 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

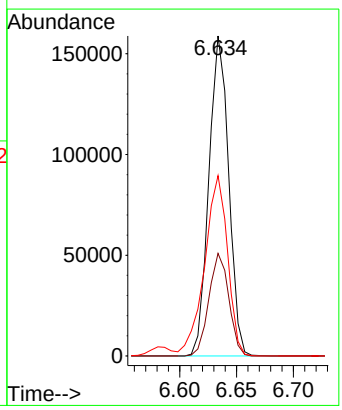


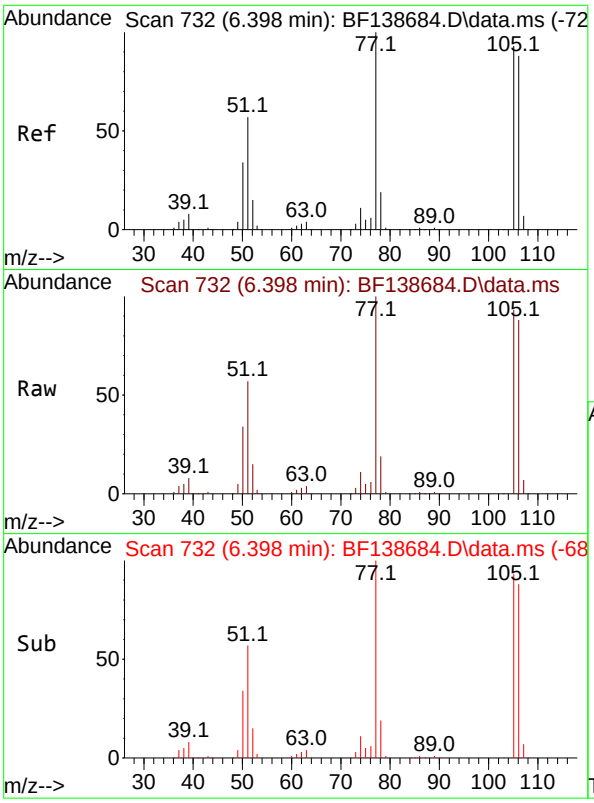


#8
2-Chlorophenol
Concen: 38.889 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



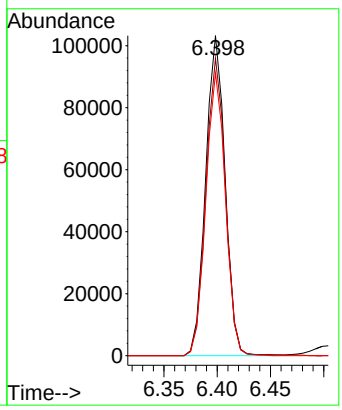


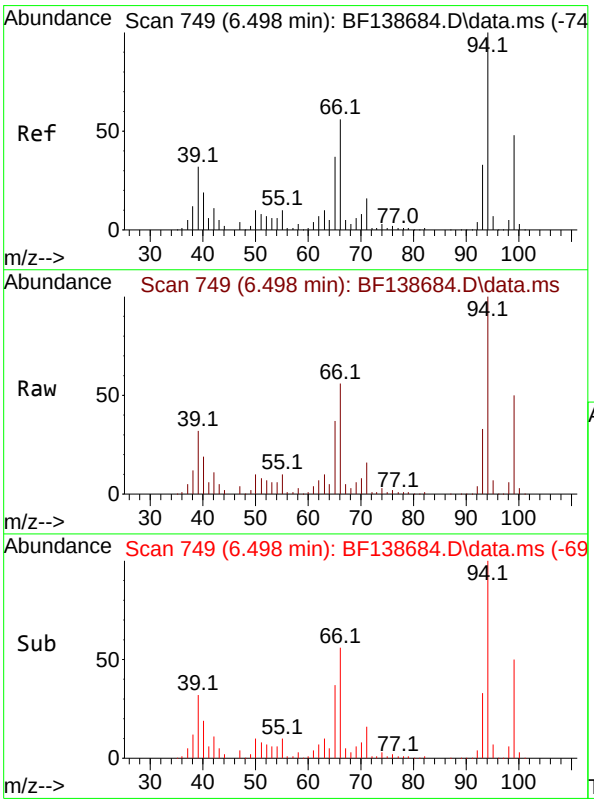
#9
Benzaldehyde
Concen: 34.687 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

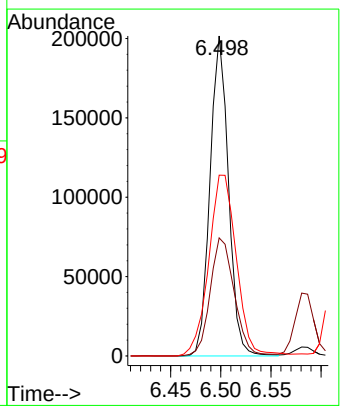


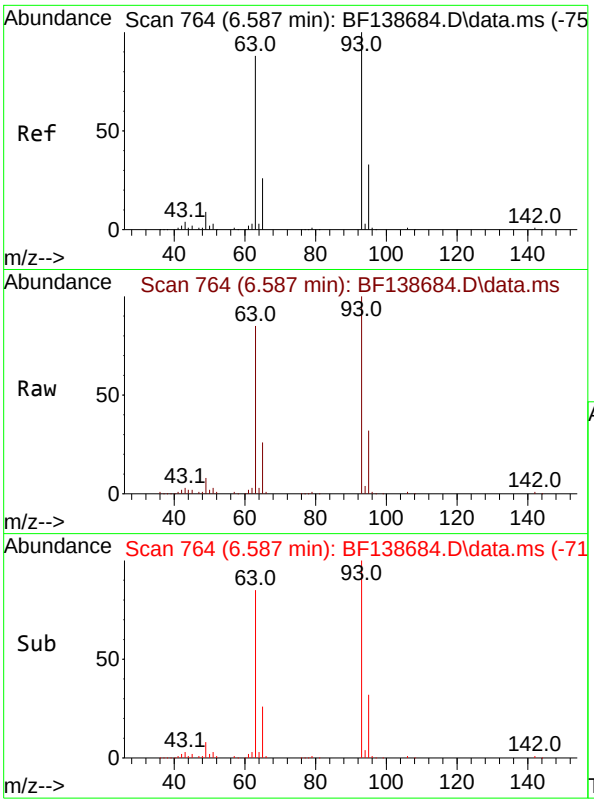


#10
Phenol
Concen: 38.764 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



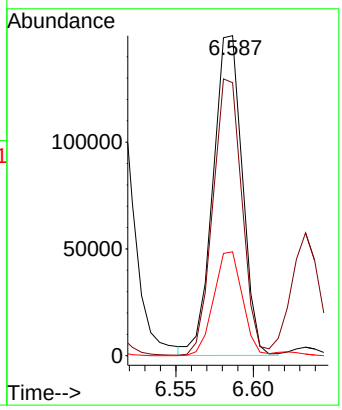


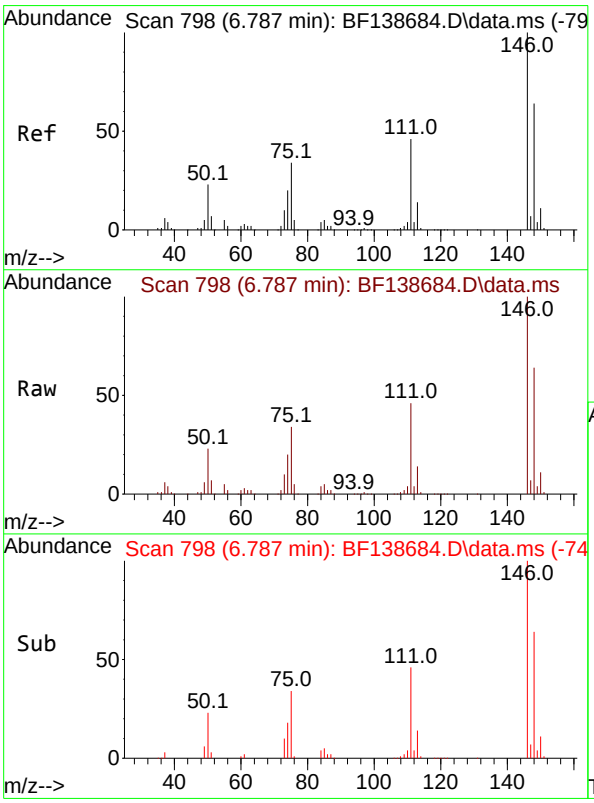
#11
bis(2-Chloroethyl)ether
Concen: 38.681 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

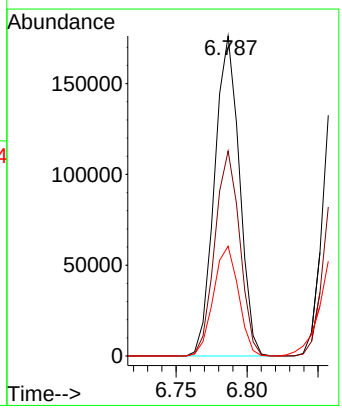


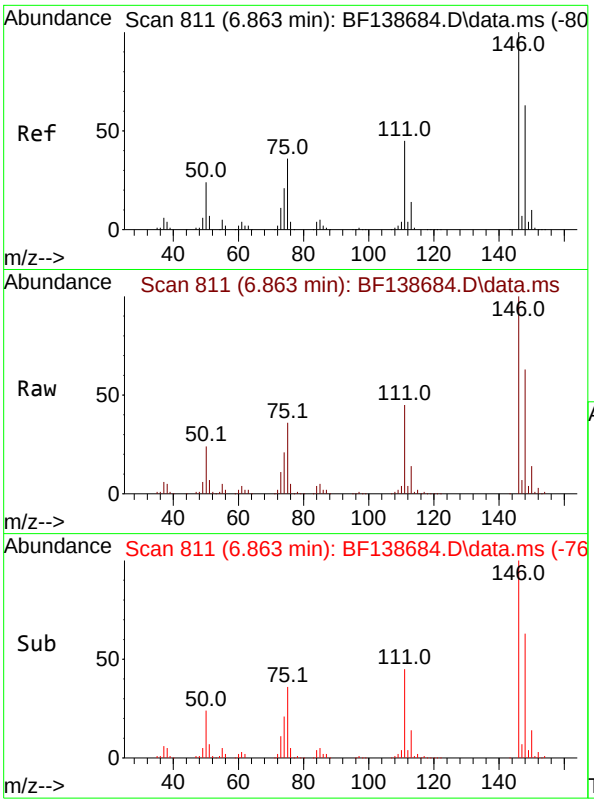


#12
1,3-Dichlorobenzene
Concen: 38.660 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



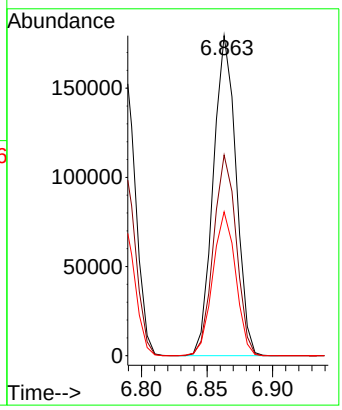


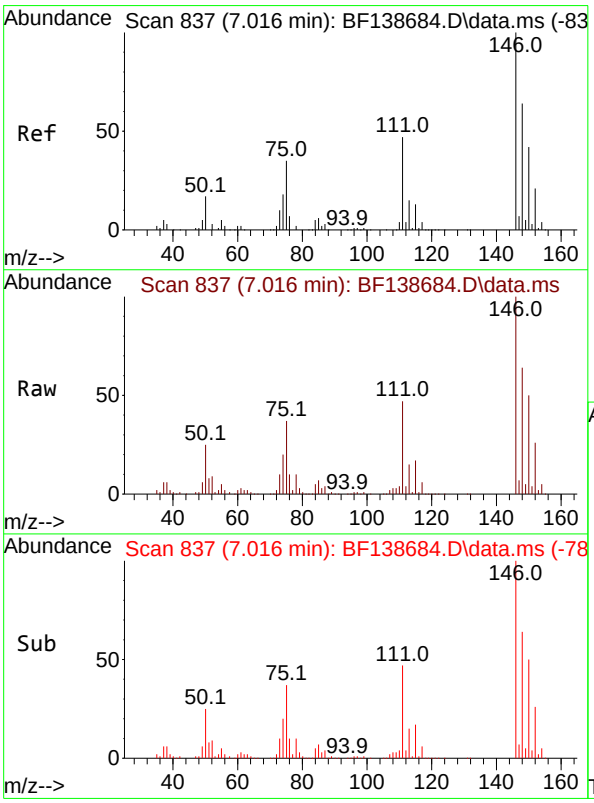
#13
1,4-Dichlorobenzene
Concen: 38.861 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

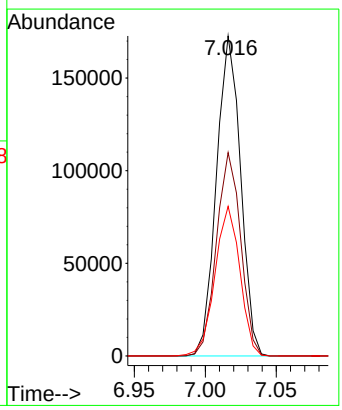


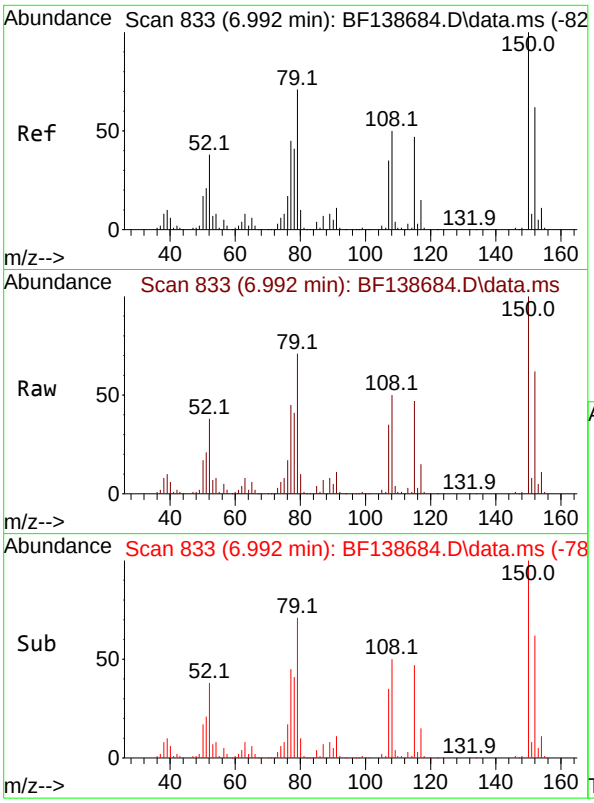


#14
1,2-Dichlorobenzene
Concen: 39.143 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



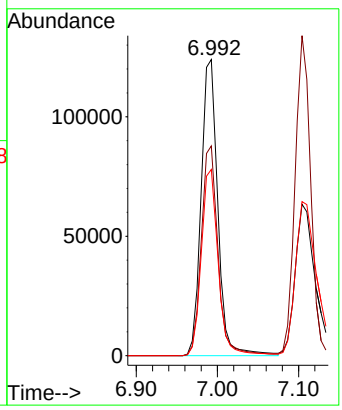


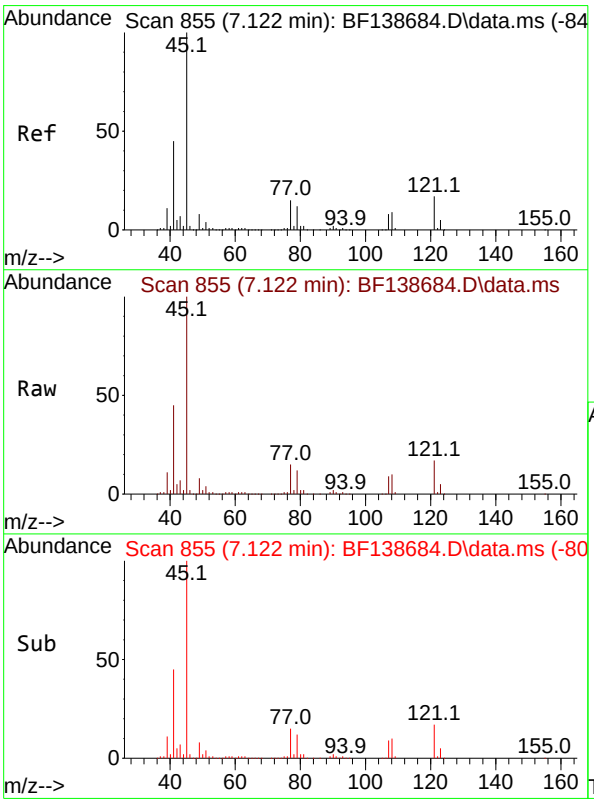
#15
Benzyl Alcohol
Concen: 38.872 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

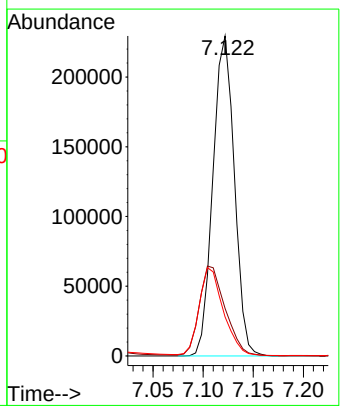


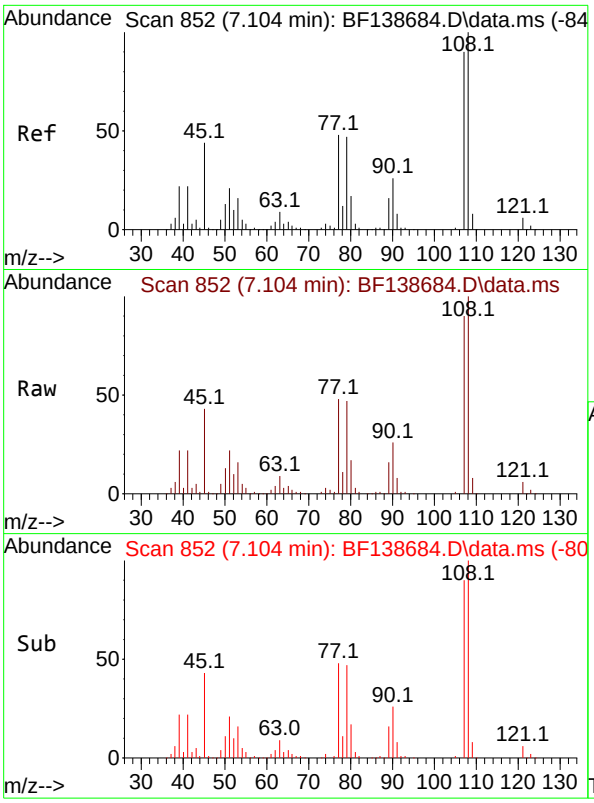


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.757 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



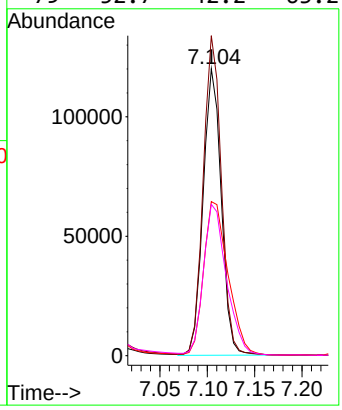


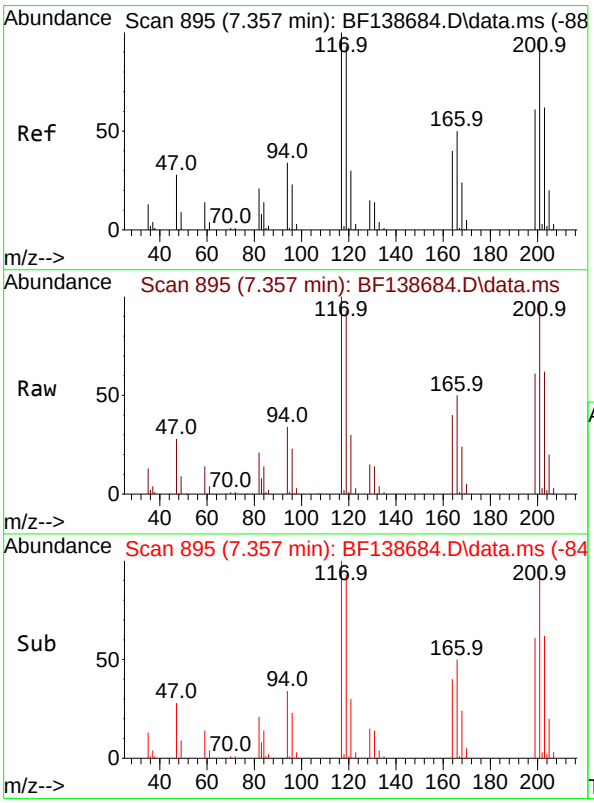
#17
2-Methylphenol
Concen: 39.204 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

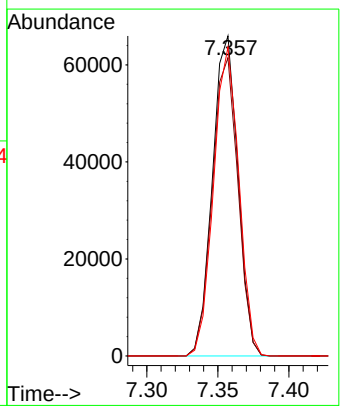


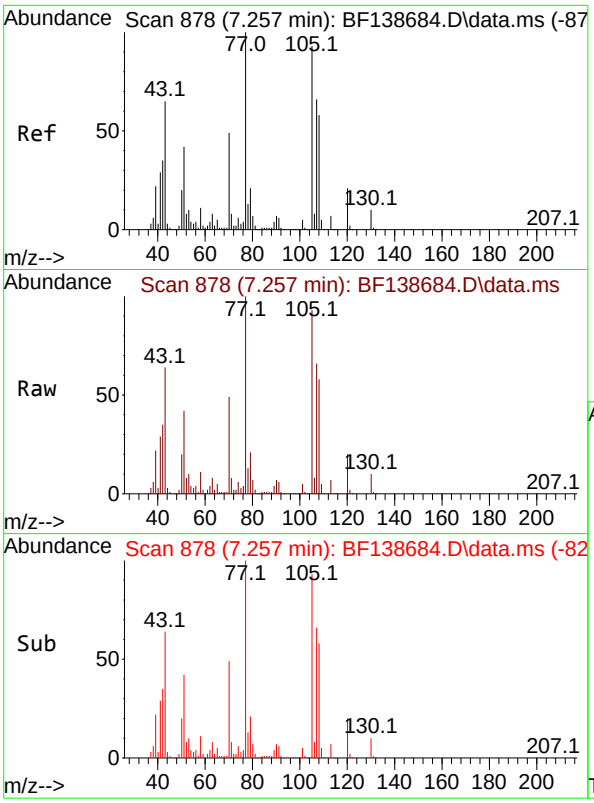


#18
Hexachloroethane
Concen: 39.176 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



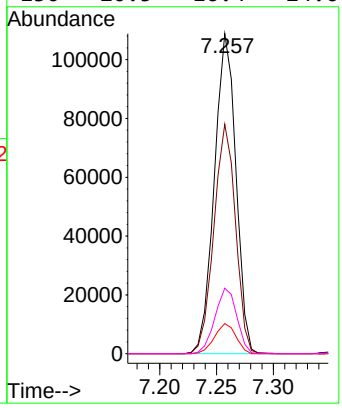


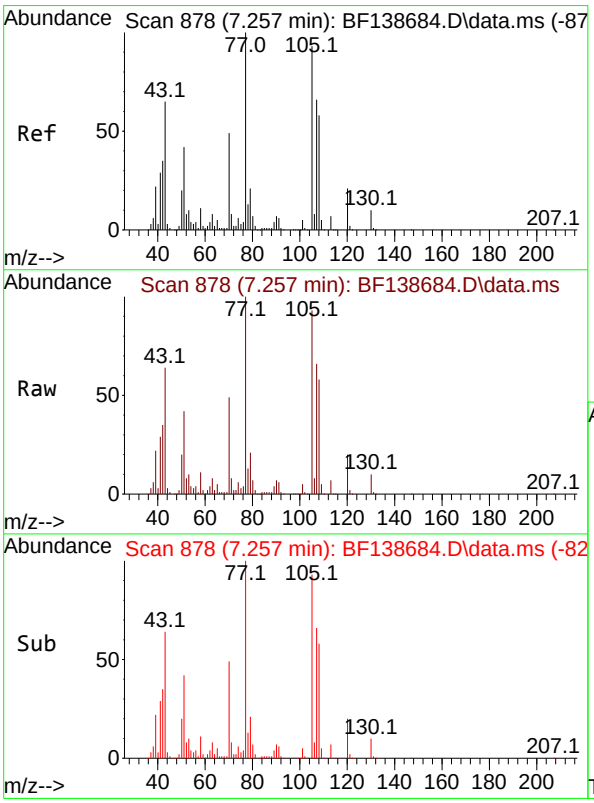
#19
n-Nitroso-di-n-propylamine
Concen: 37.772 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

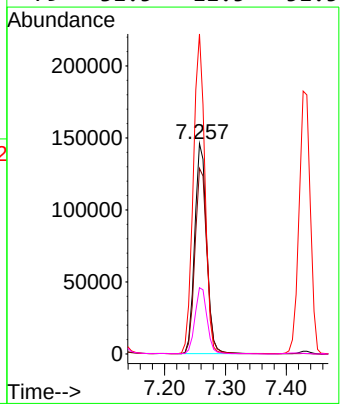


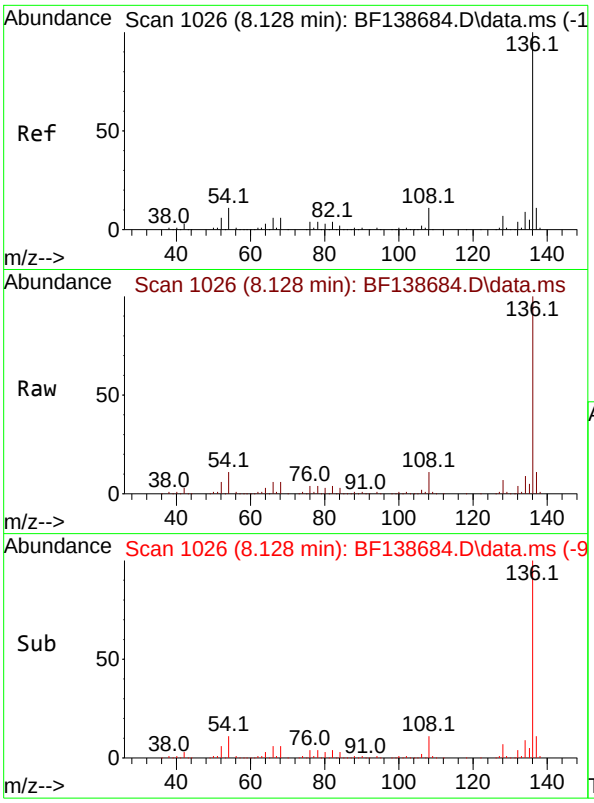


#20
3+4-Methylphenols
Concen: 37.862 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



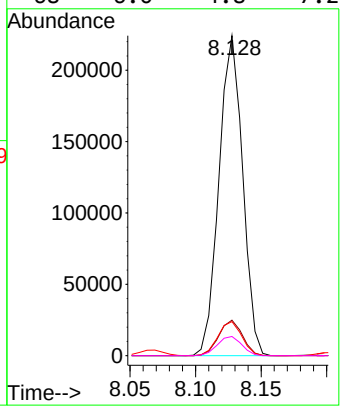


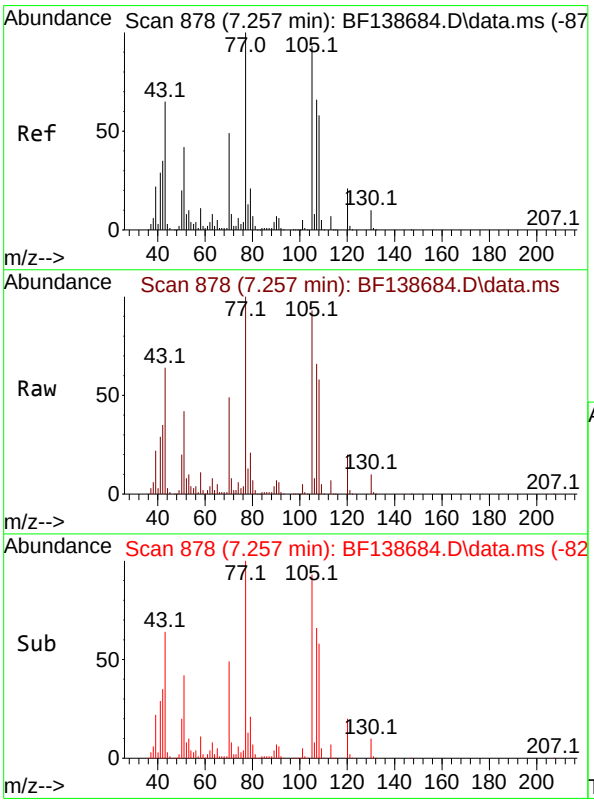
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

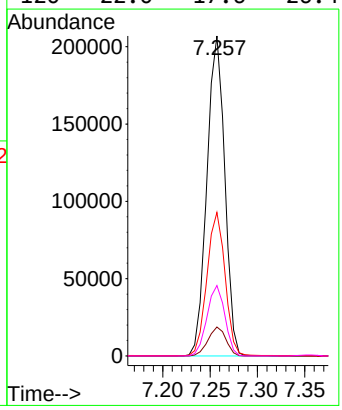


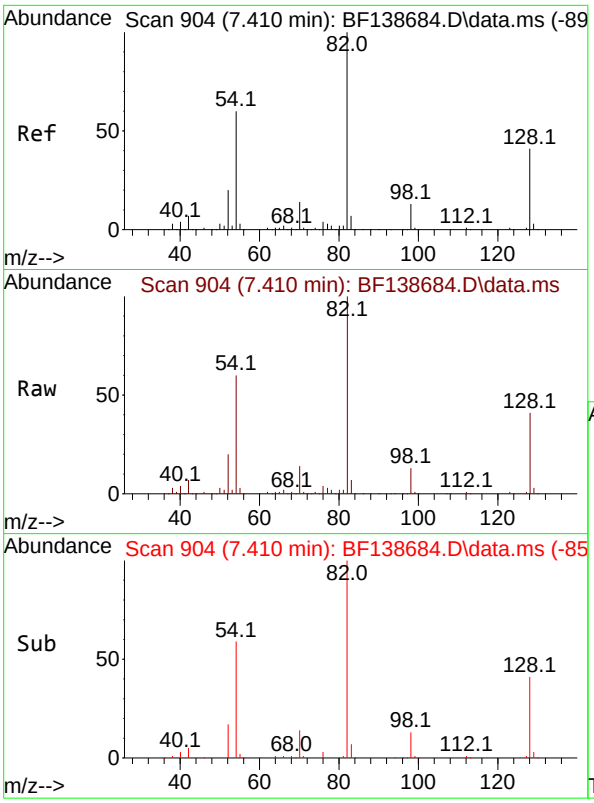


#22
Acetophenone
Concen: 39.378 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



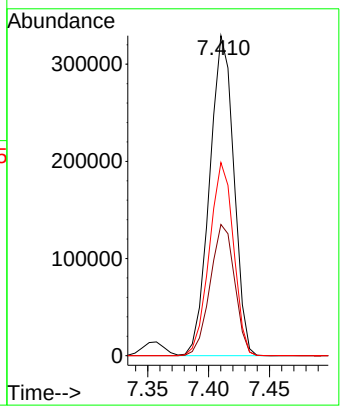


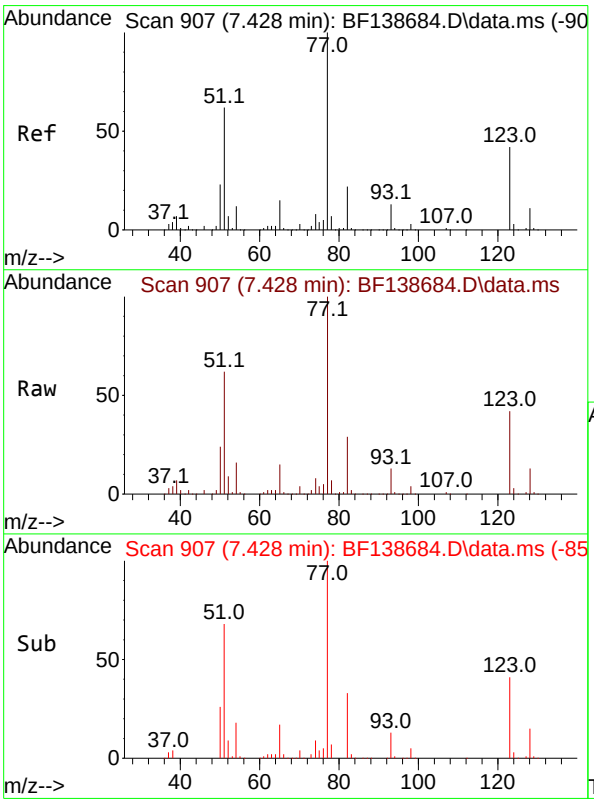
#23
Nitrobenzene-d5
Concen: 79.539 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

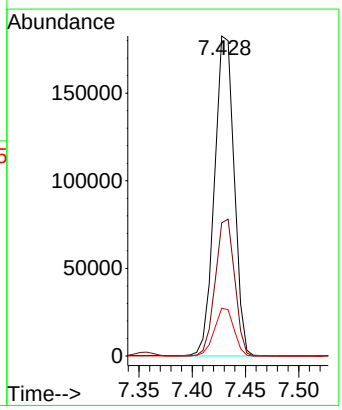


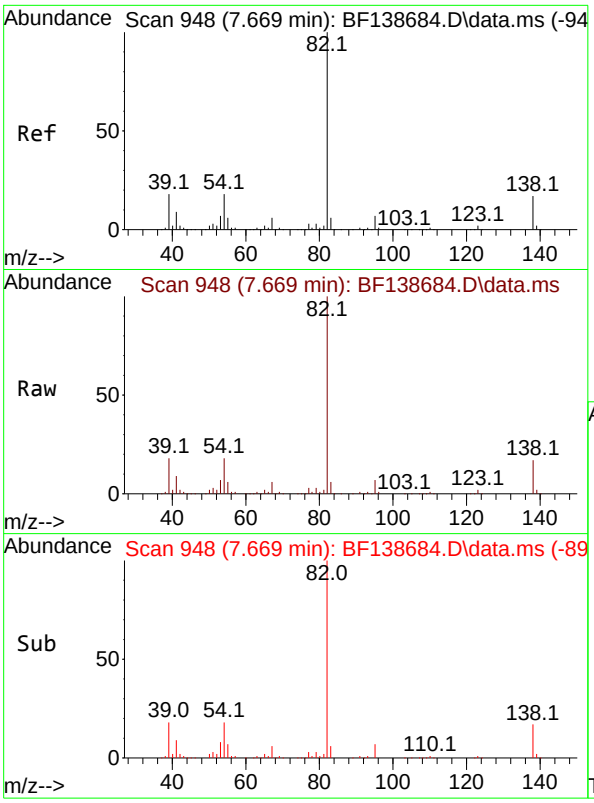


#24
Nitrobenzene
Concen: 40.040 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



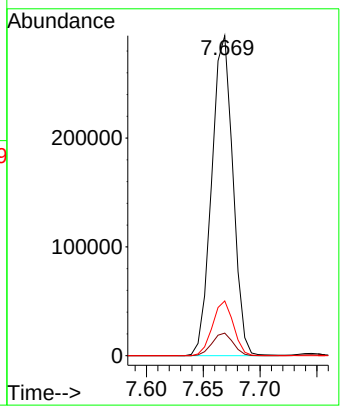


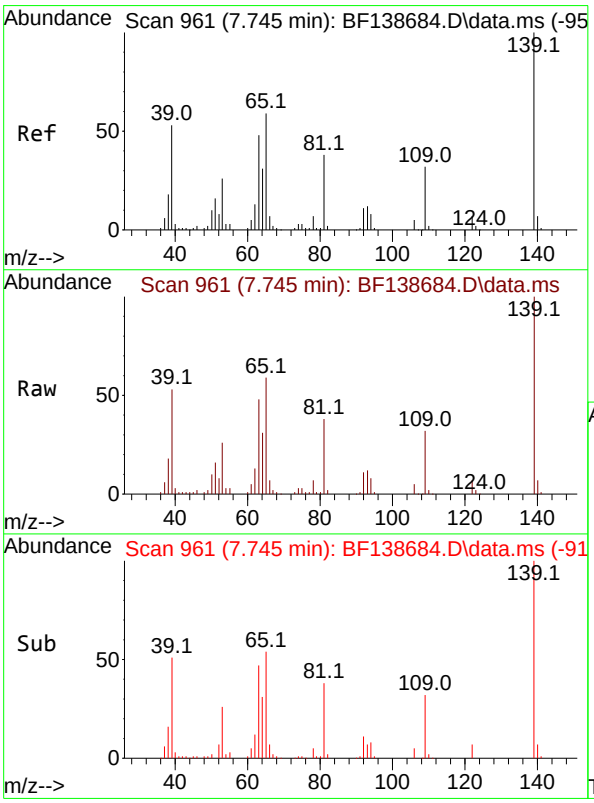
#25
Isophorone
Concen: 38.969 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

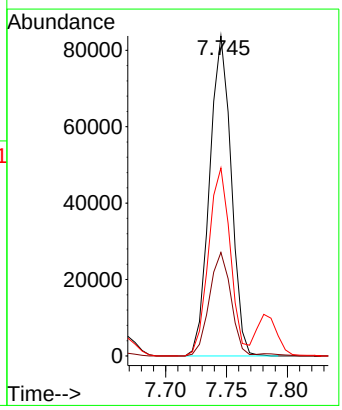


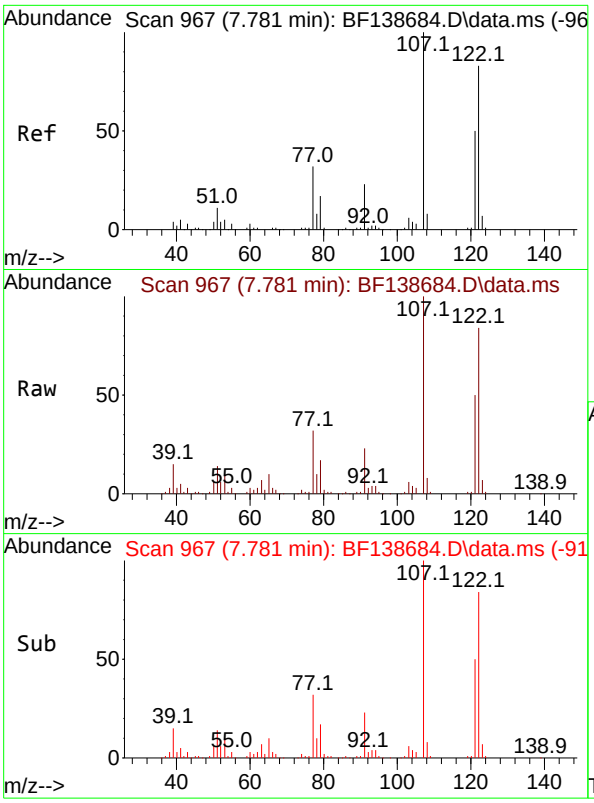


#26
2-Nitrophenol
Concen: 40.990 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



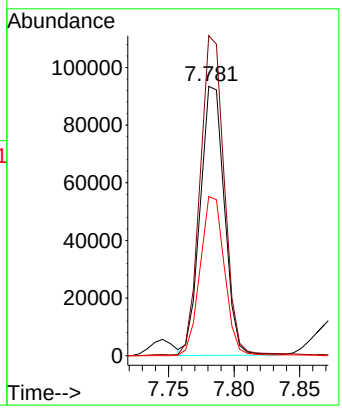


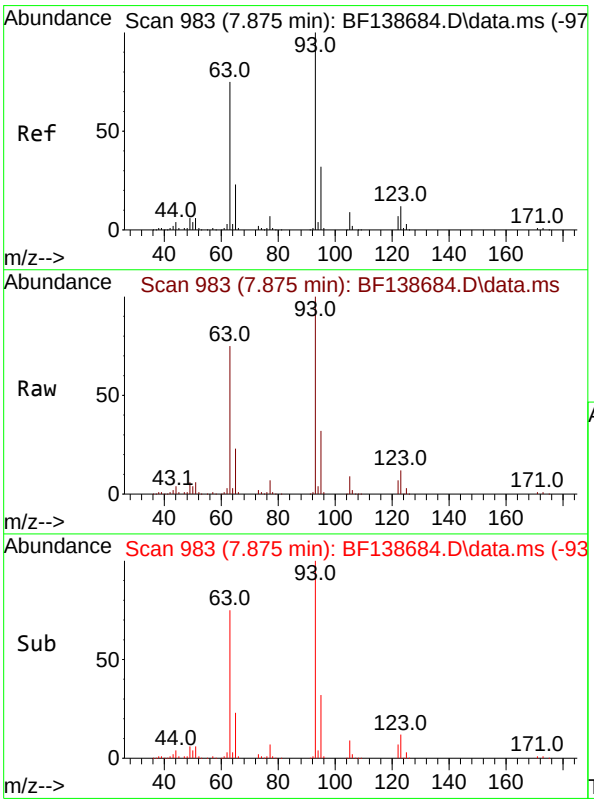
#27
2,4-Dimethylphenol
Concen: 39.890 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

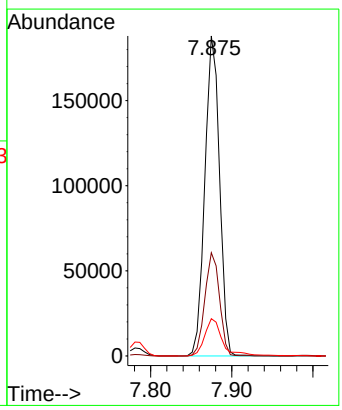


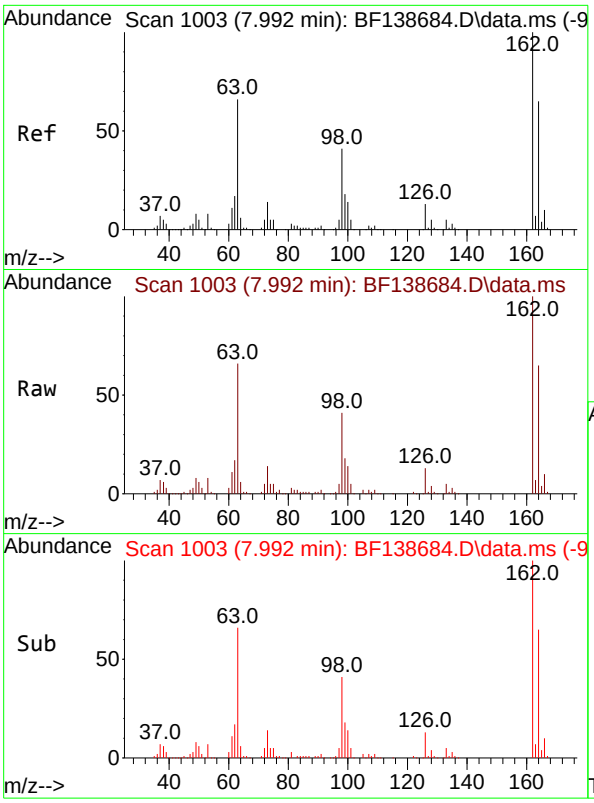


#28
bis(2-Chloroethoxy)methane
Concen: 39.348 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



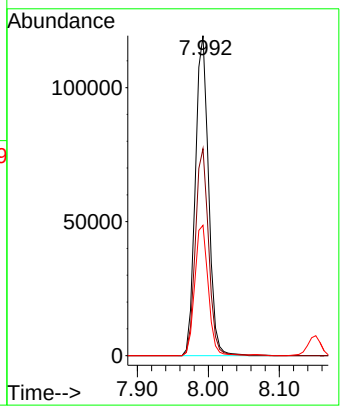


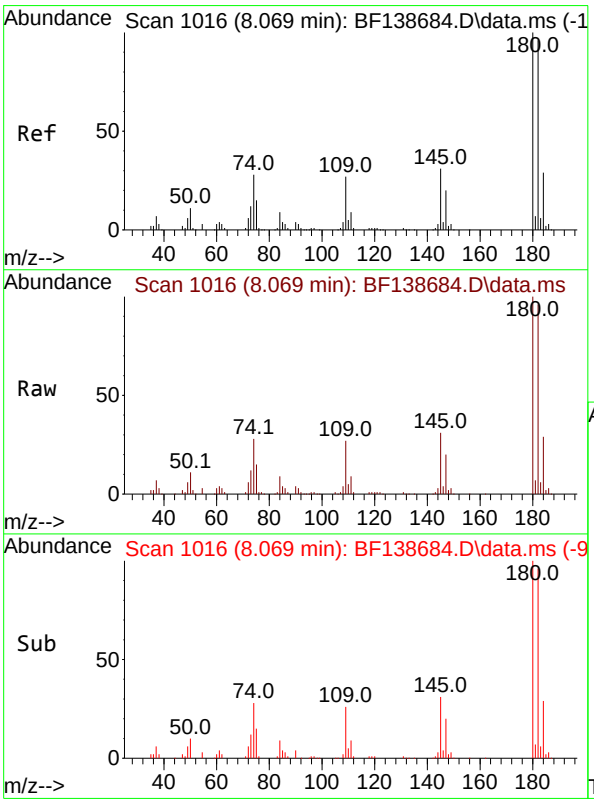
#29
2,4-Dichlorophenol
Concen: 40.030 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

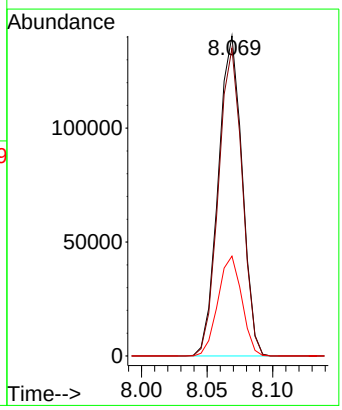


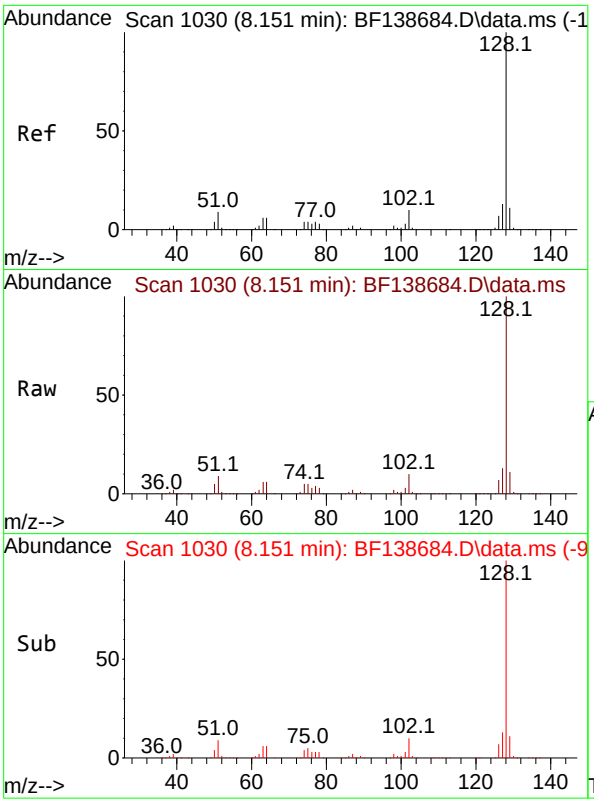


#30
1,2,4-Trichlorobenzene
Concen: 39.835 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



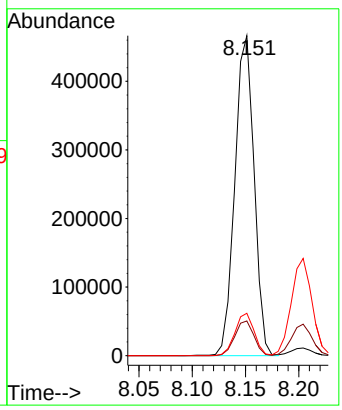


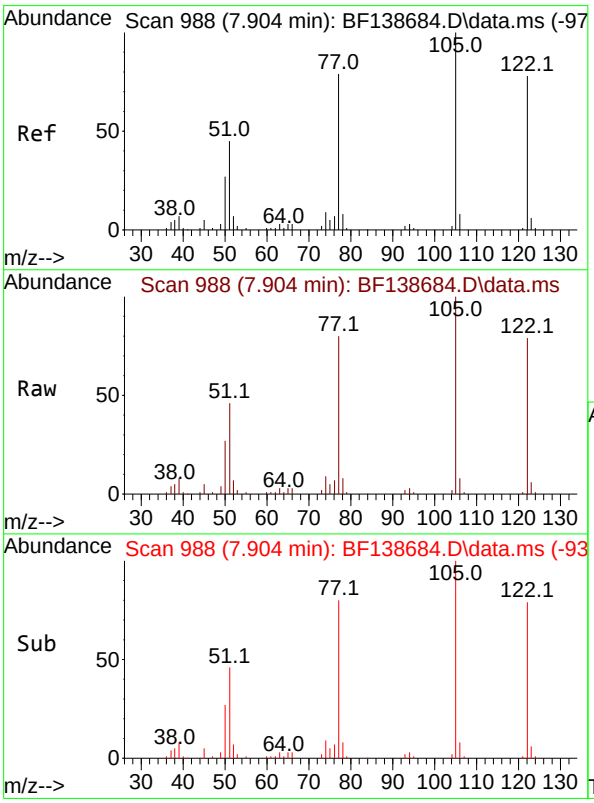
#31
Naphthalene
Concen: 39.655 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

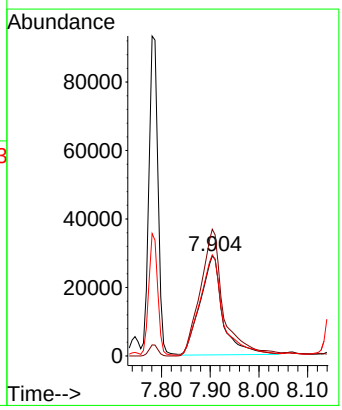


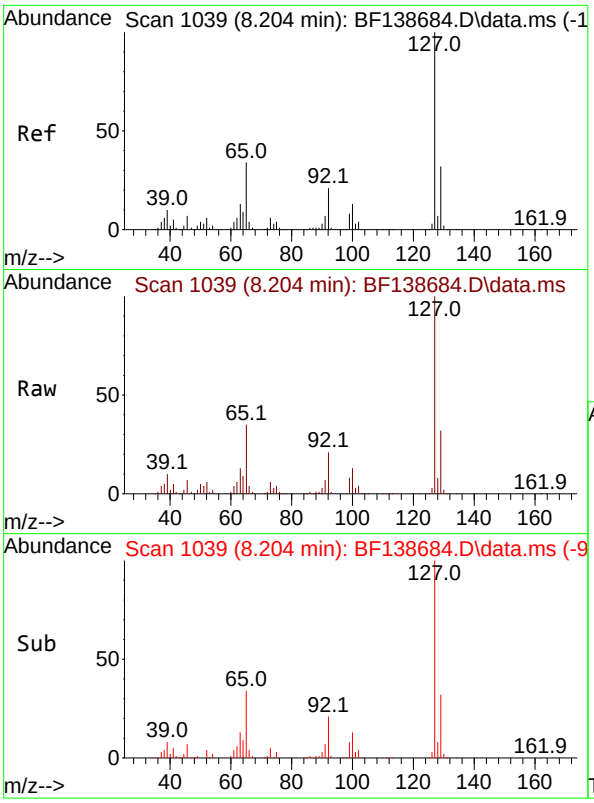


#32
Benzoic acid
Concen: 39.389 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



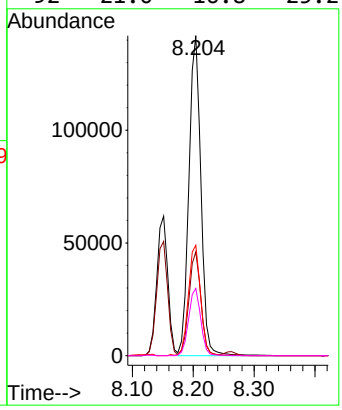


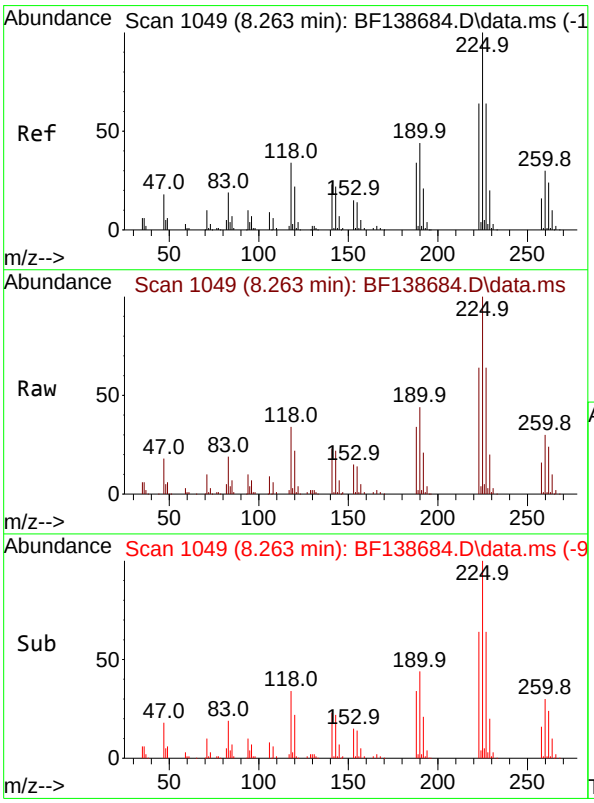
#33
4-Chloroaniline
Concen: 39.130 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

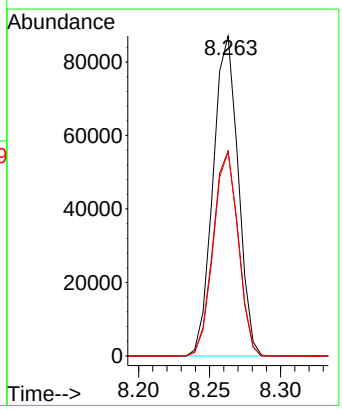


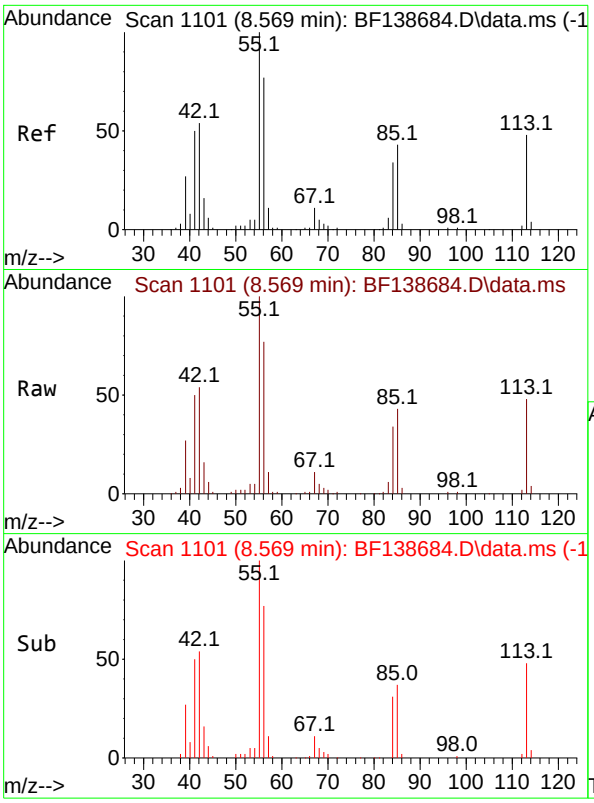


#34
Hexachlorobutadiene
Concen: 39.476 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



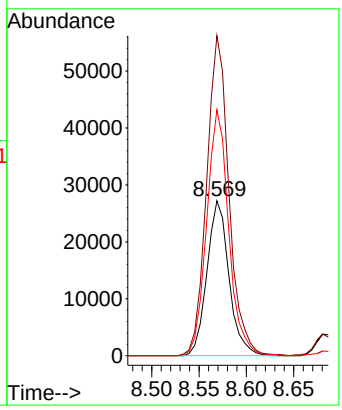


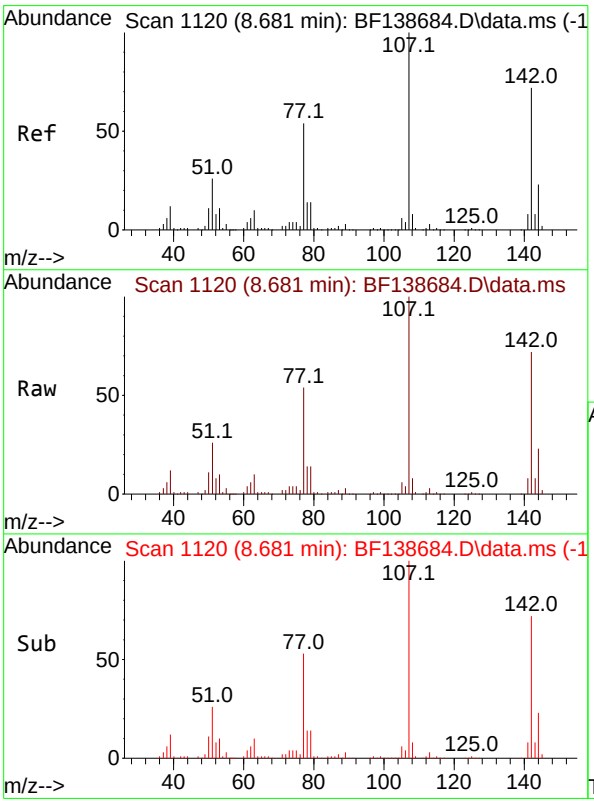
#35
Caprolactam
Concen: 37.984 ng
RT: 8.569 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

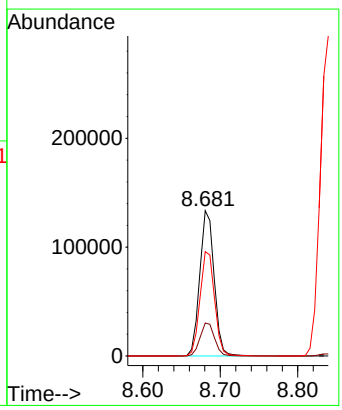


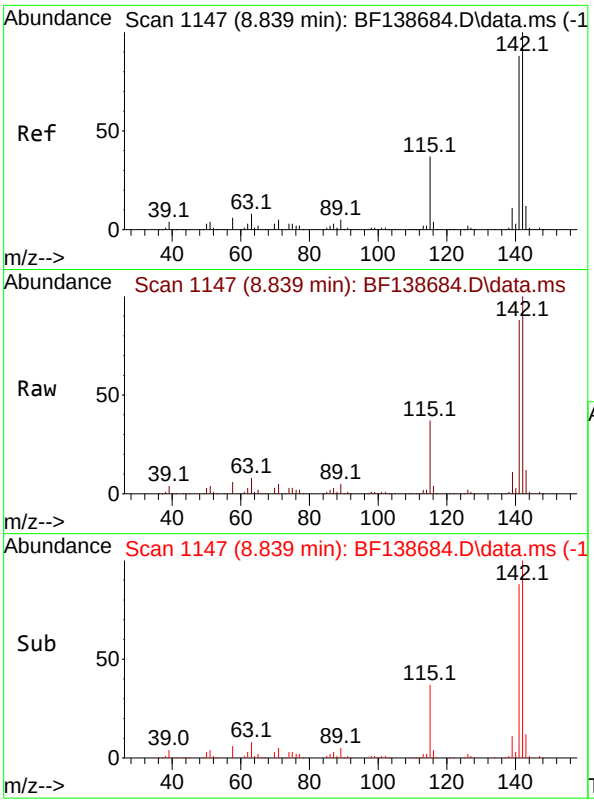


#36
4-Chloro-3-methylphenol
Concen: 38.983 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



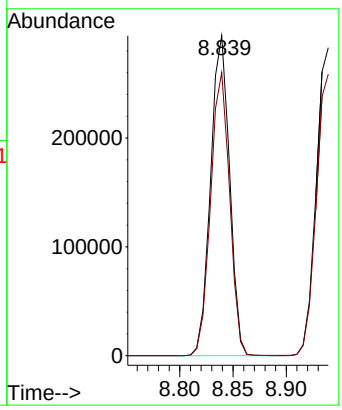


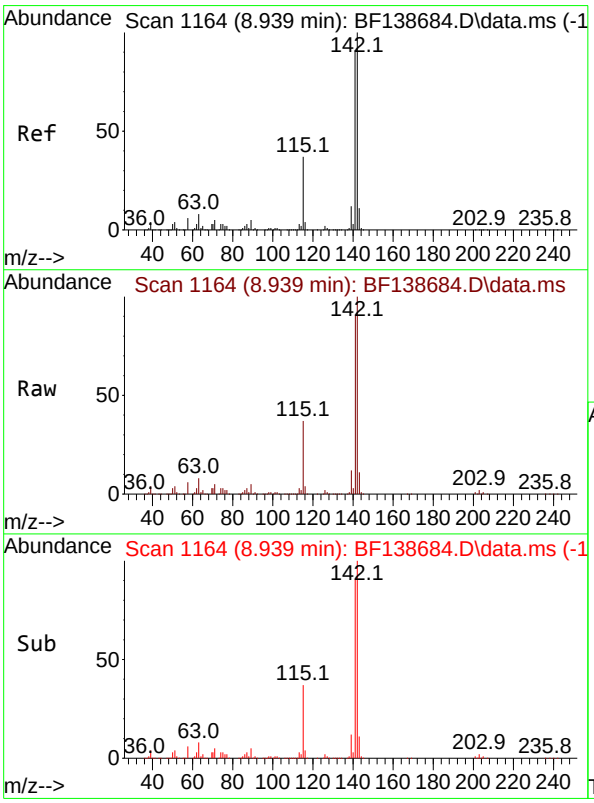
#37
2-Methylnaphthalene
Concen: 39.019 ng
RT: 8.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 364899

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

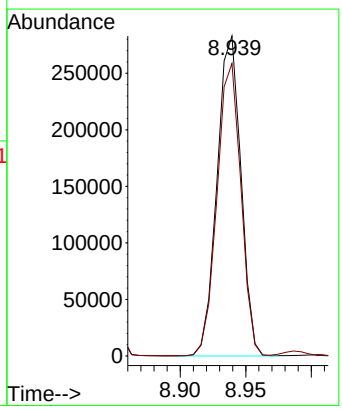


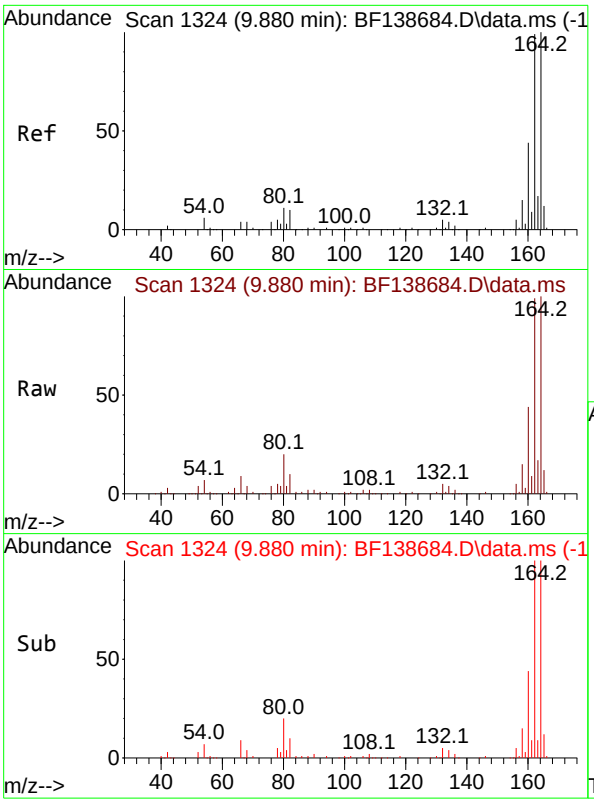


#38
1-Methylnaphthalene
Concen: 39.045 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:142 Resp: 357806

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7



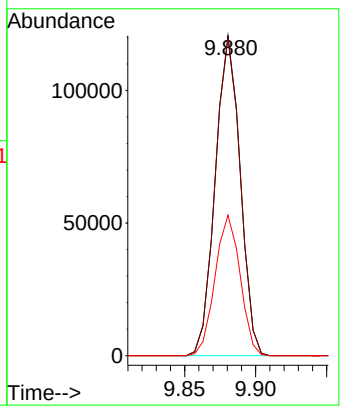


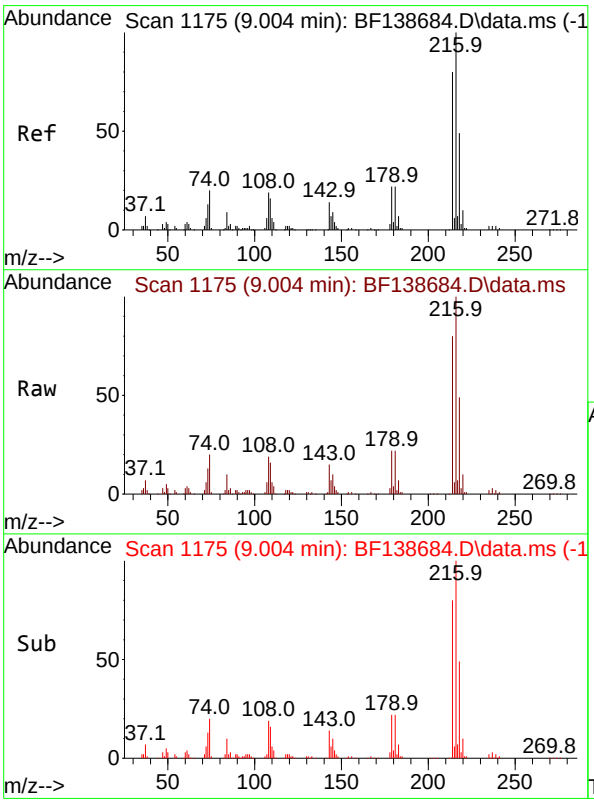
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

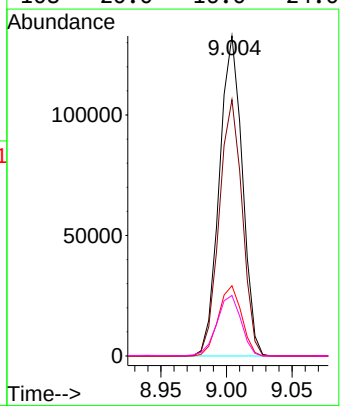


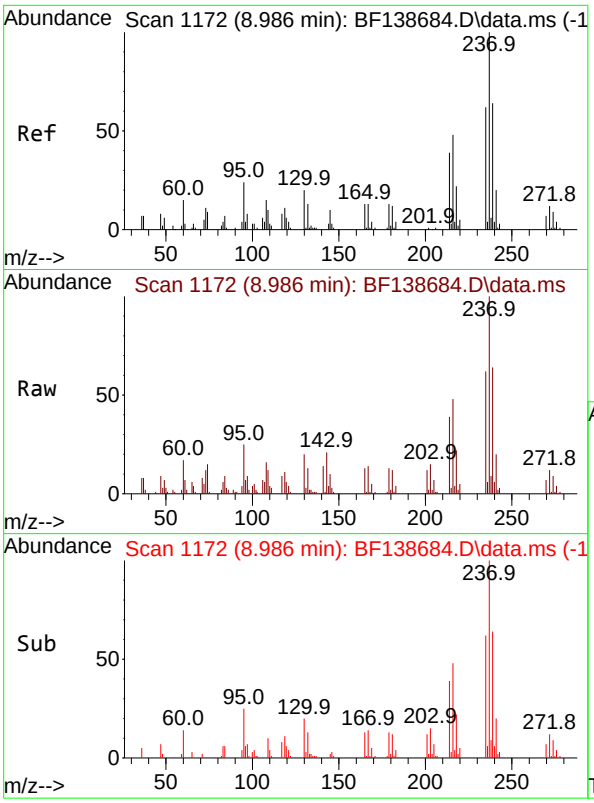


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.628 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



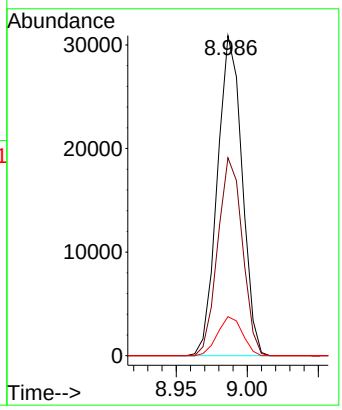


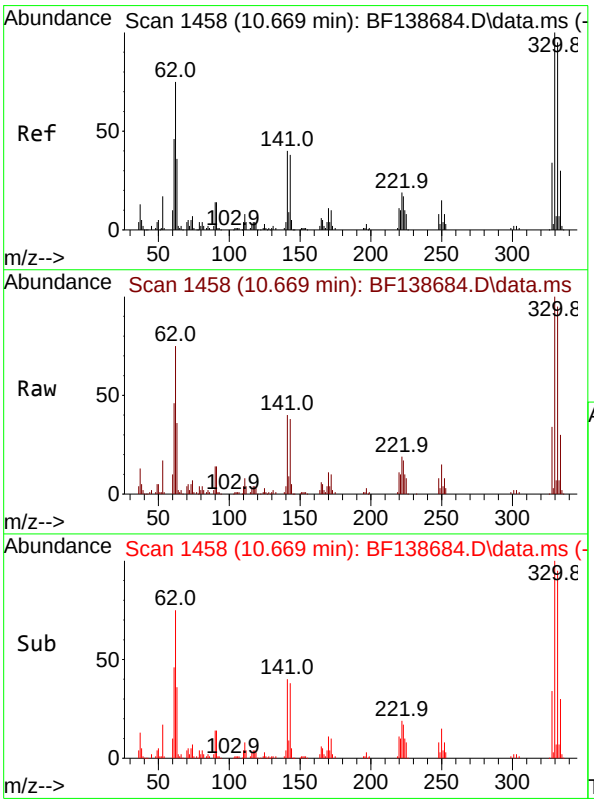
#41
Hexachlorocyclopentadiene
Concen: 38.484 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

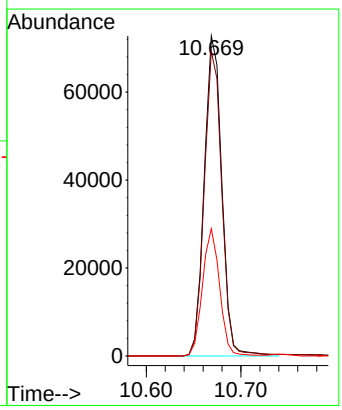


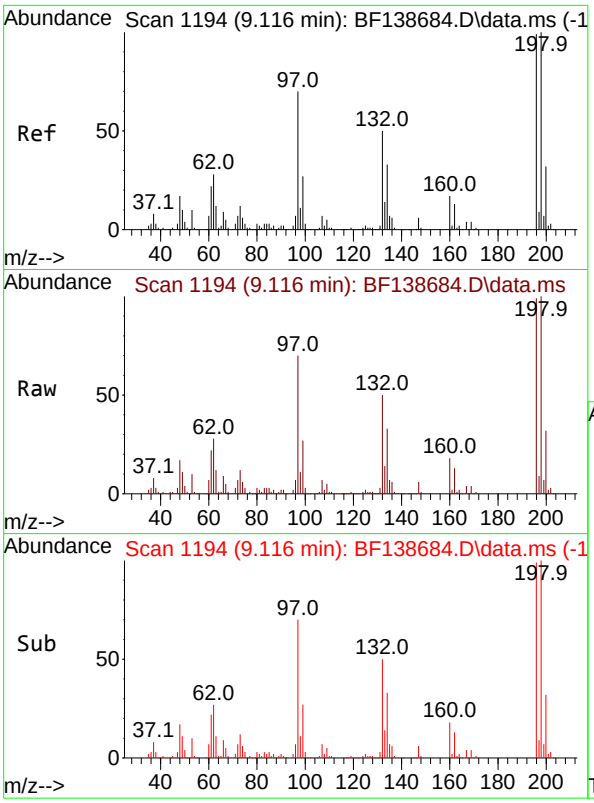


#42
2,4,6-Tribromophenol
Concen: 77.638 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



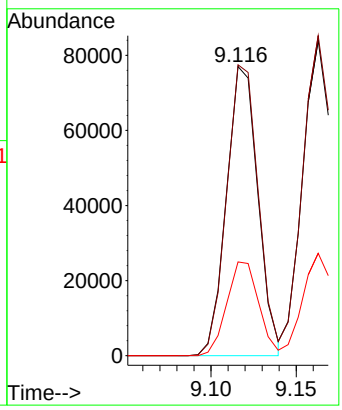


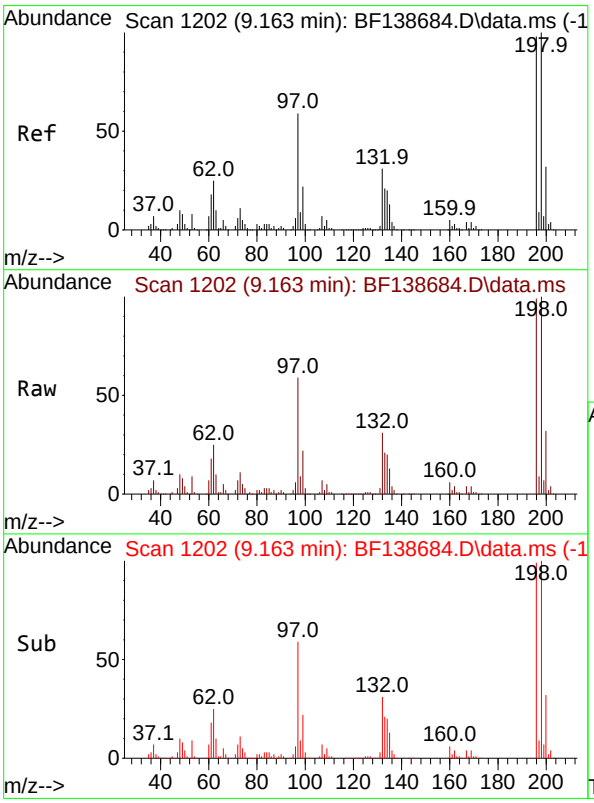
#43
2,4,6-Trichlorophenol
Concen: 39.709 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

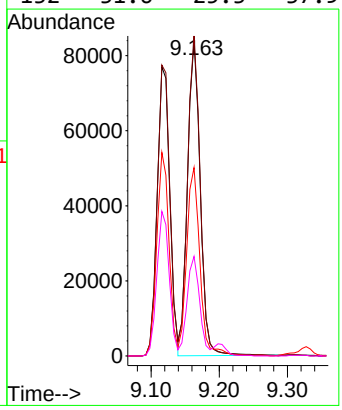


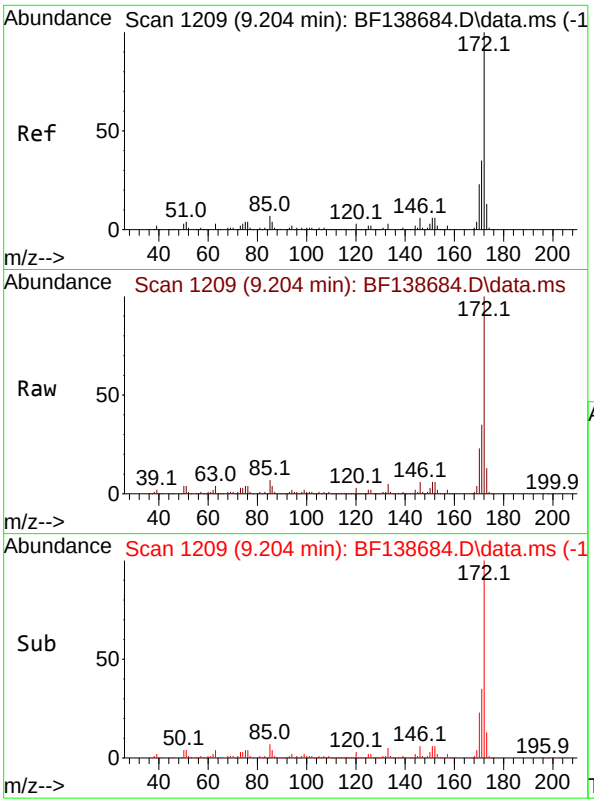


#44
2,4,5-Trichlorophenol
Concen: 39.788 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



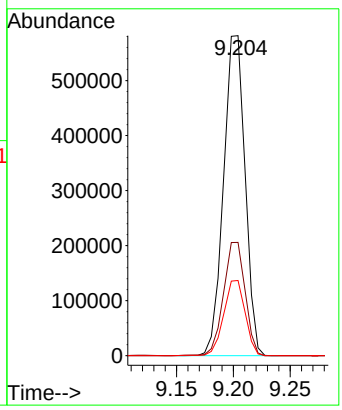


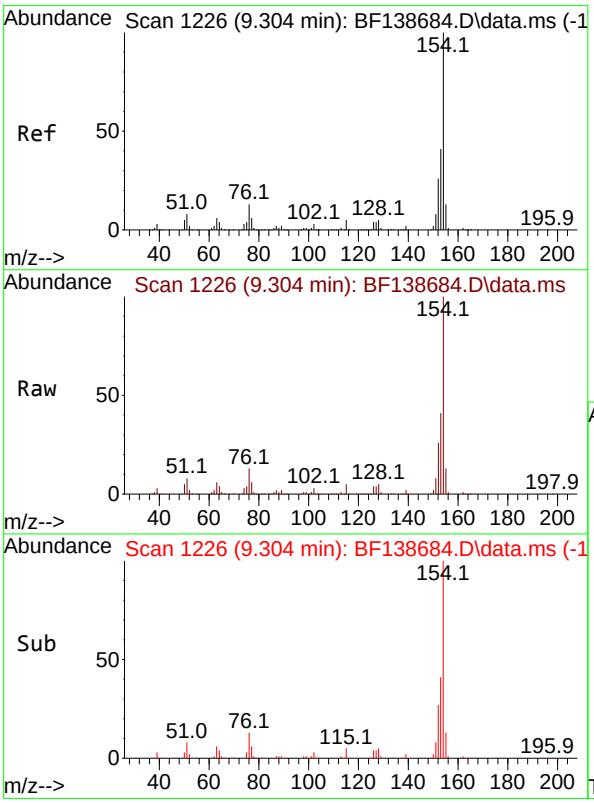
#45
2-Fluorobiphenyl
Concen: 78.480 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

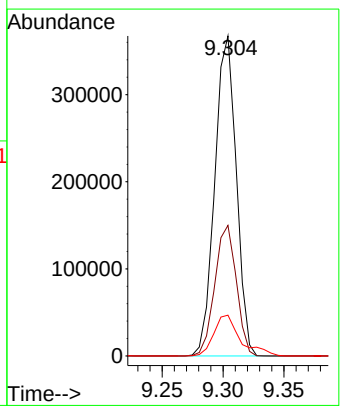


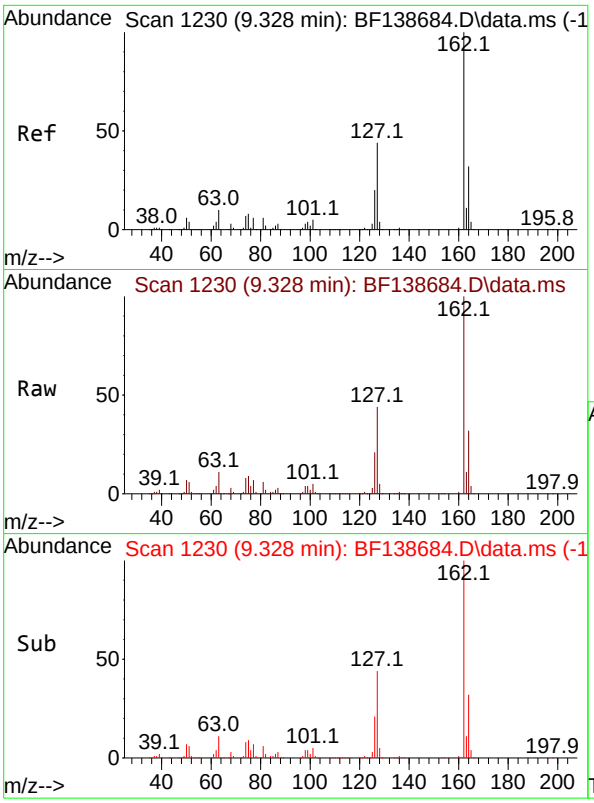


#46
1,1'-Biphenyl
Concen: 39.303 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



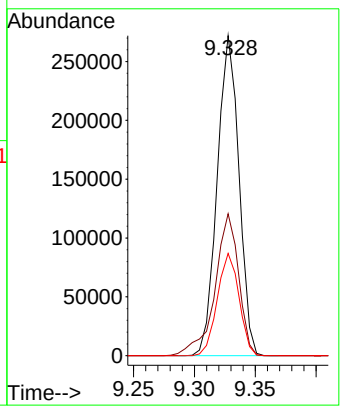


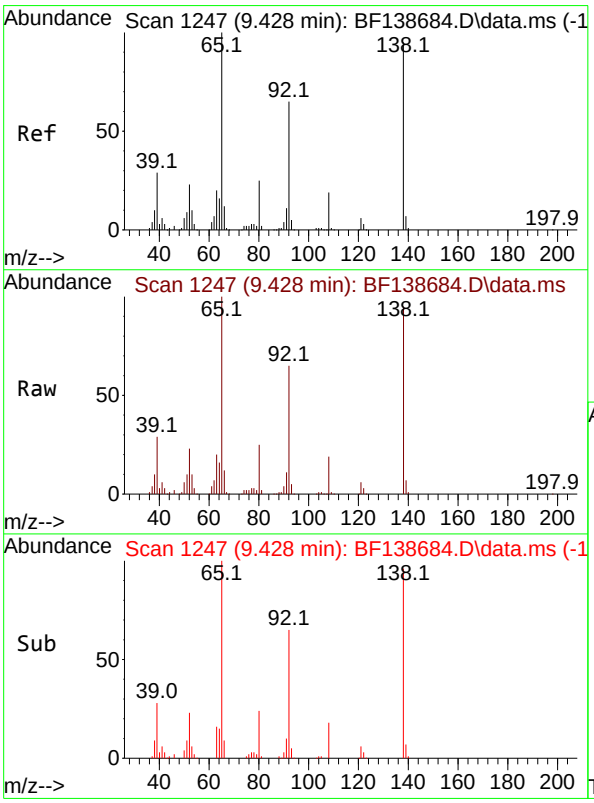
#47
2-Chloronaphthalene
Concen: 39.520 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

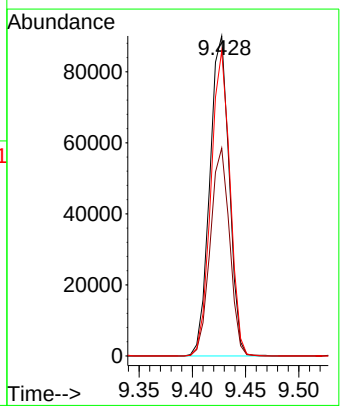


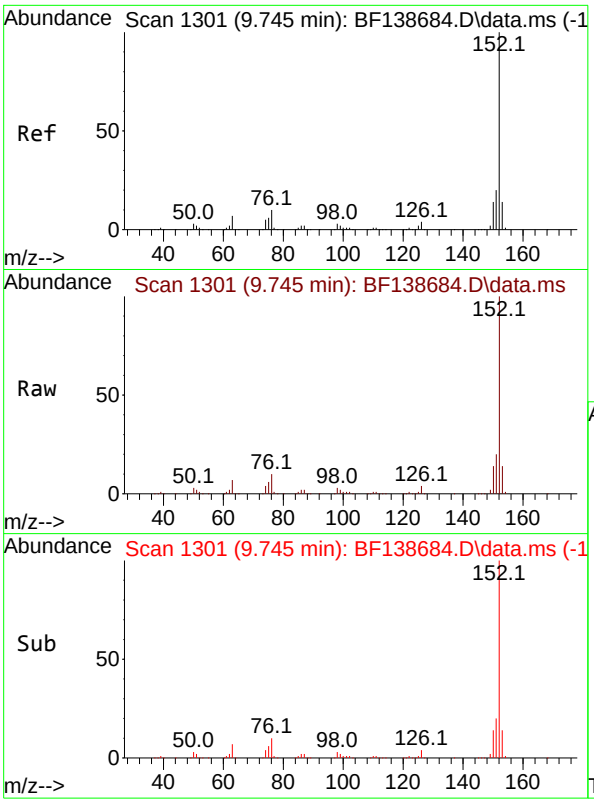


#48
2-Nitroaniline
Concen: 39.417 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



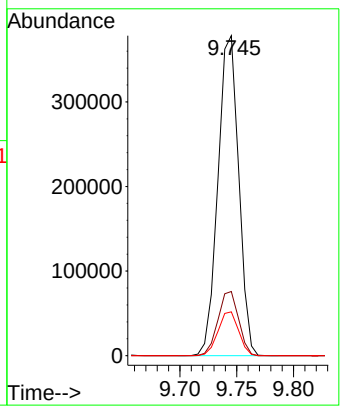


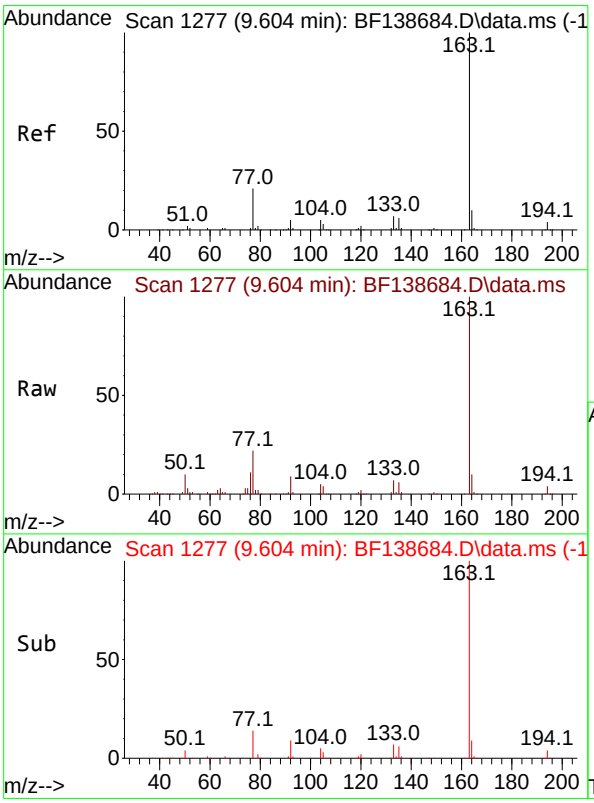
#49
Acenaphthylene
Concen: 39.633 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

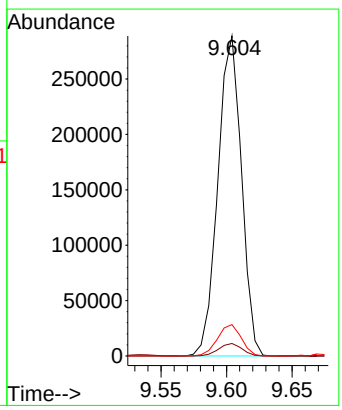


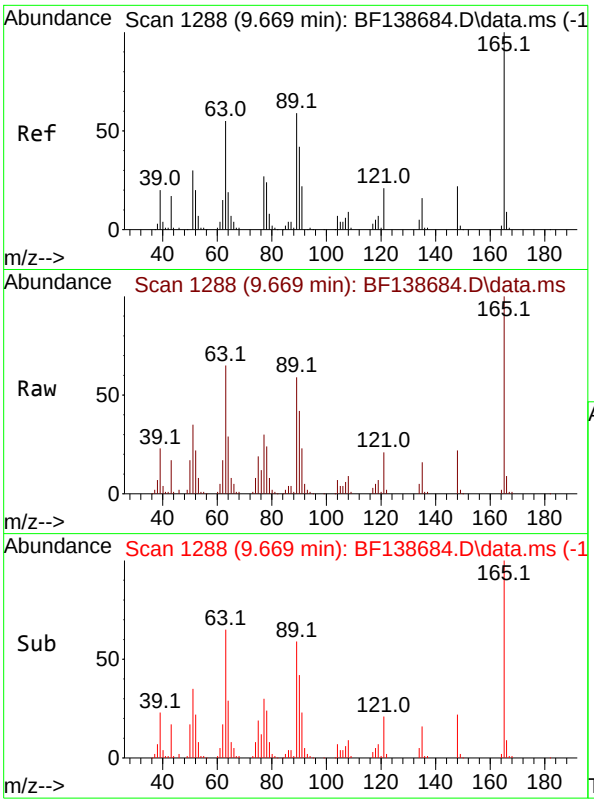


#50
Dimethylphthalate
Concen: 38.452 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



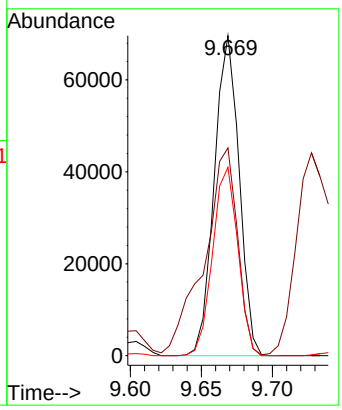


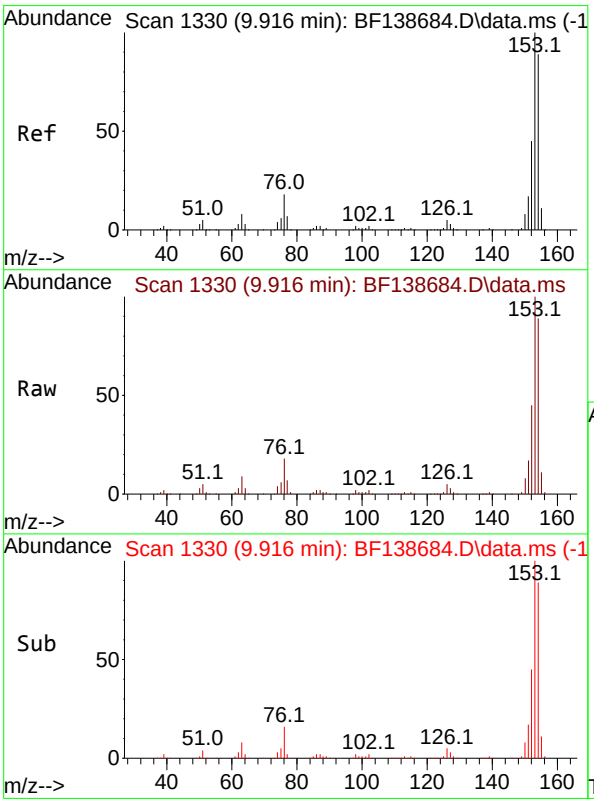
#51
2,6-Dinitrotoluene
Concen: 39.918 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

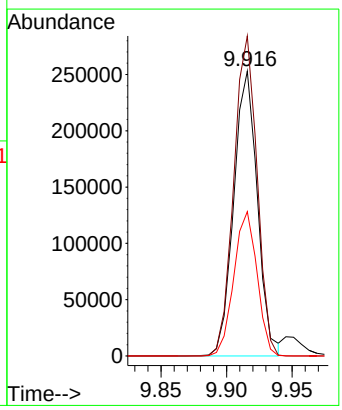


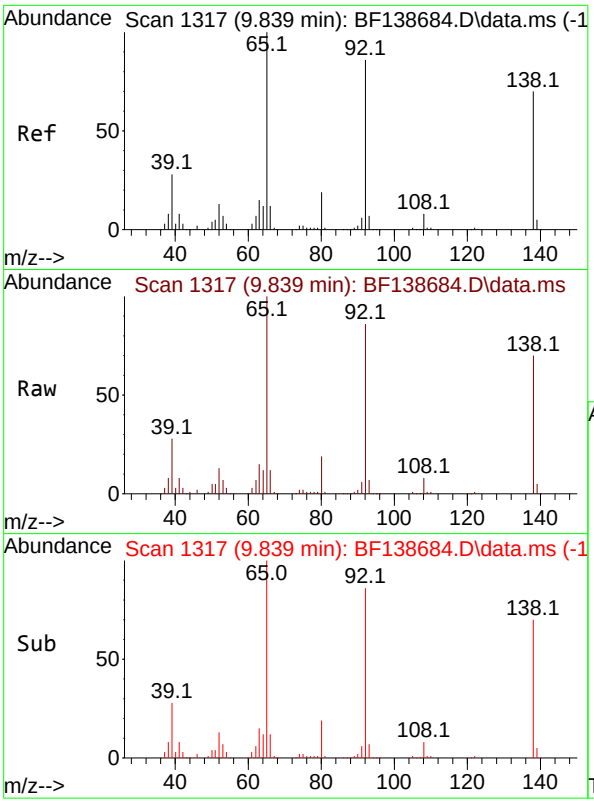


#52
Acenaphthene
Concen: 38.964 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



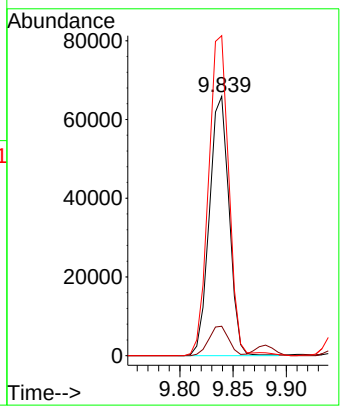


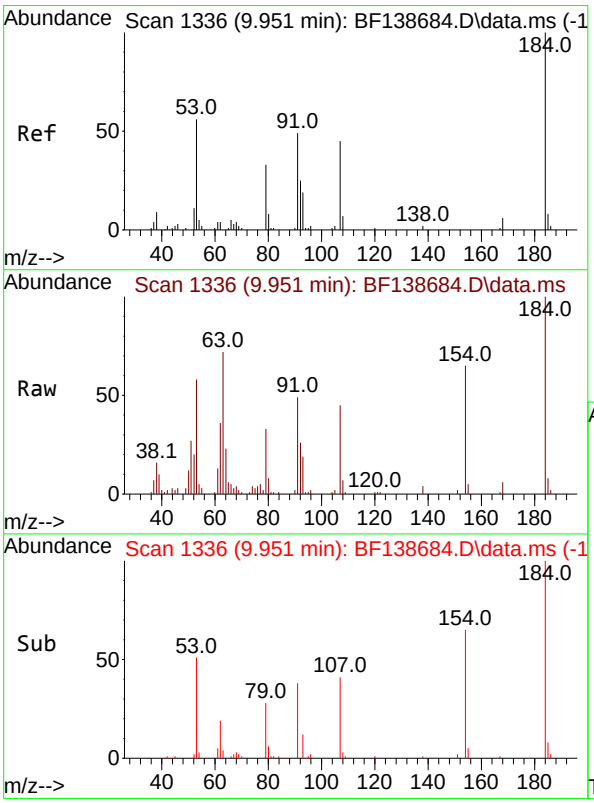
#53
3-Nitroaniline
Concen: 38.633 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

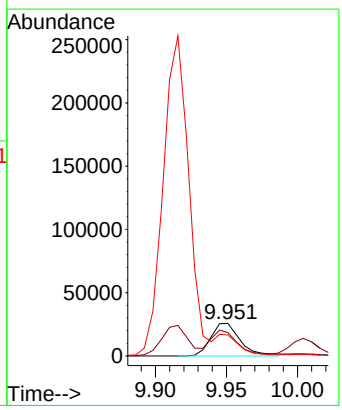


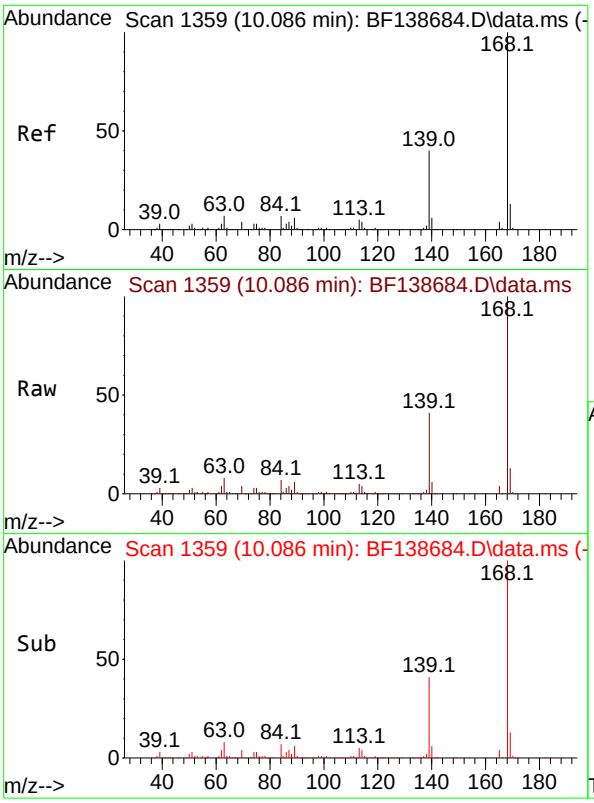


#54
2,4-Dinitrophenol
Concen: 38.289 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



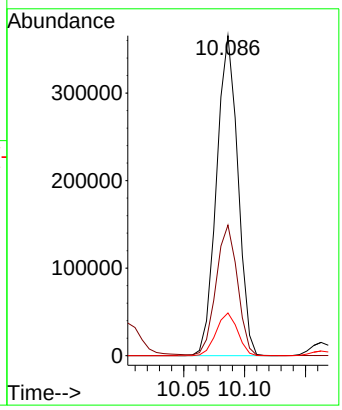


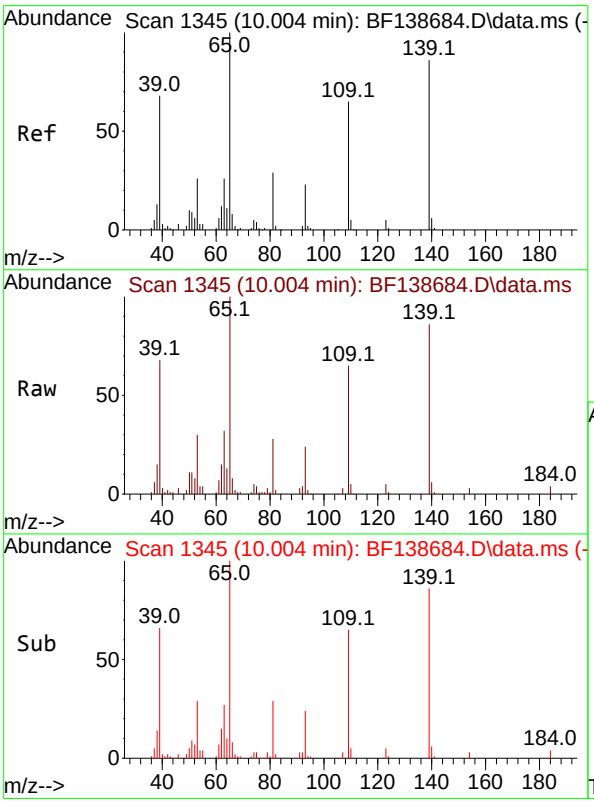
#55
Dibenzofuran
Concen: 38.648 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

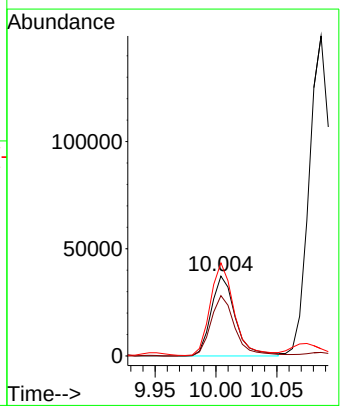


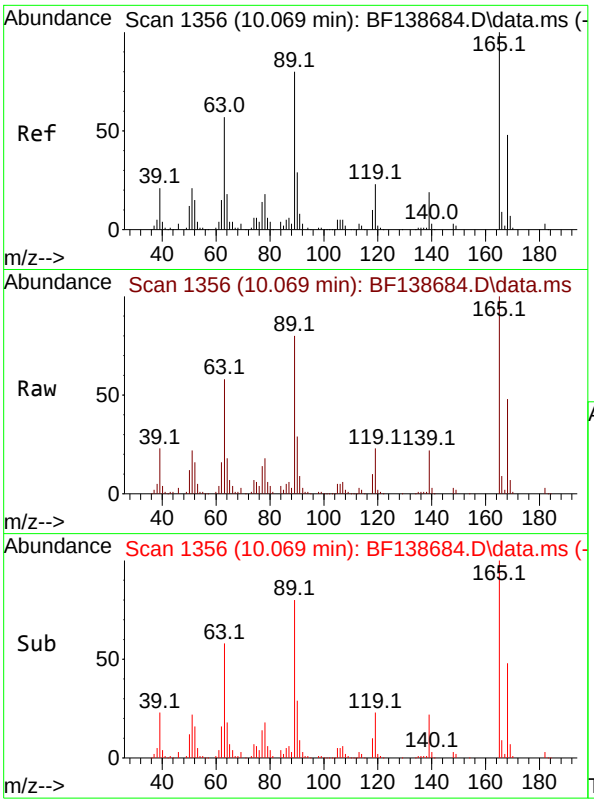


#56
4-Nitrophenol
Concen: 39.032 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



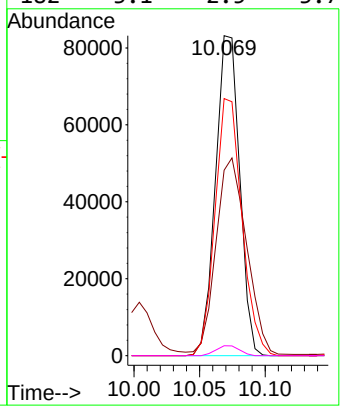


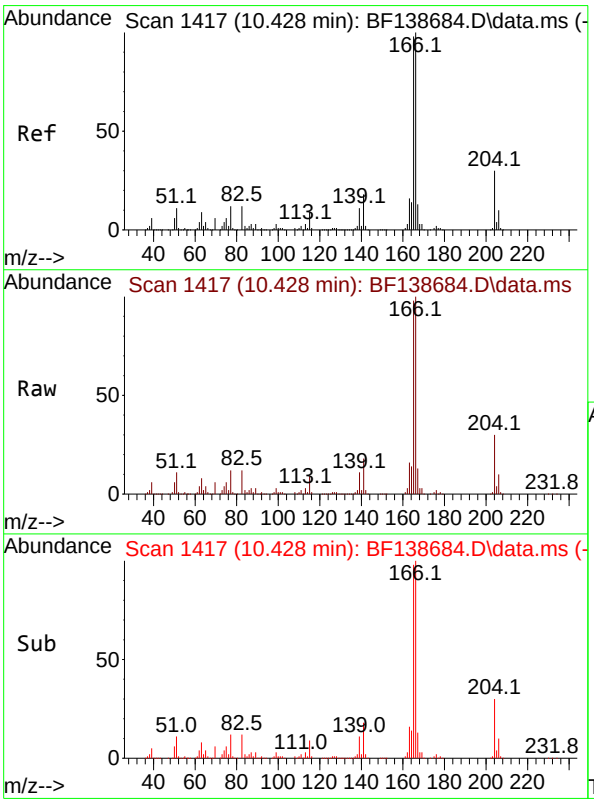
#57
2,4-Dinitrotoluene
Concen: 39.341 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

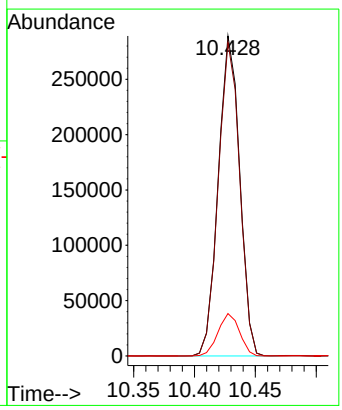


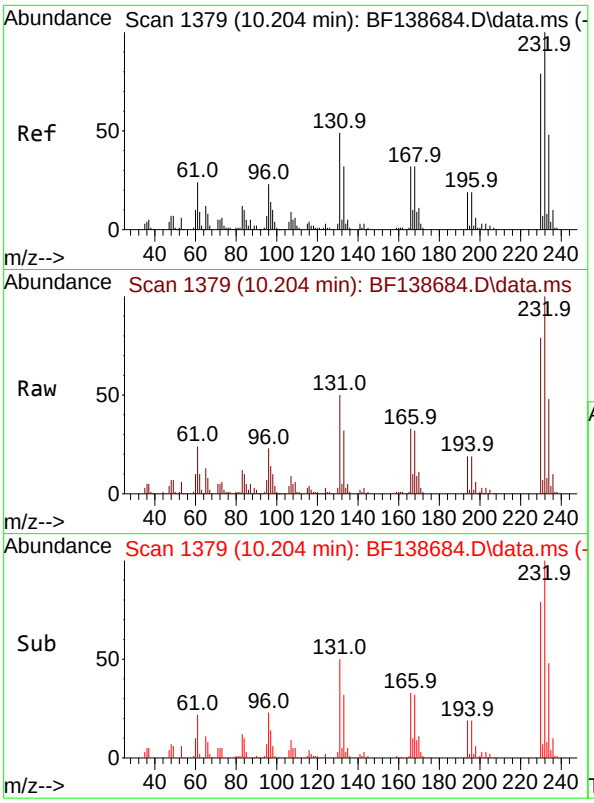


#58
Fluorene
Concen: 38.634 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



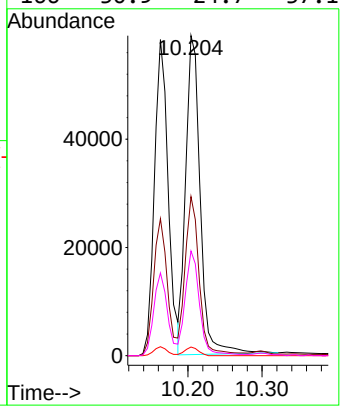


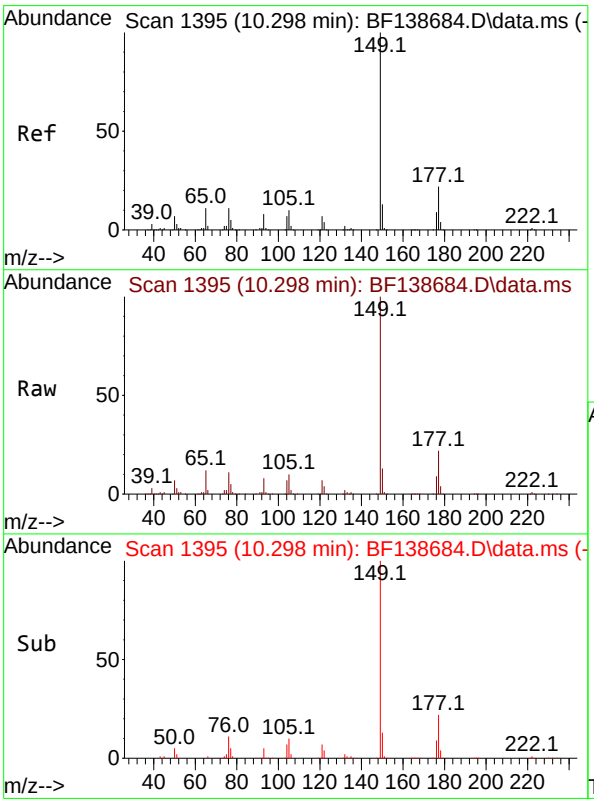
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.673 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

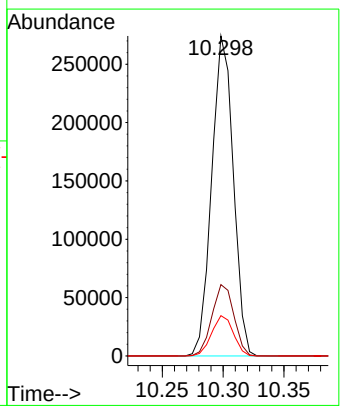


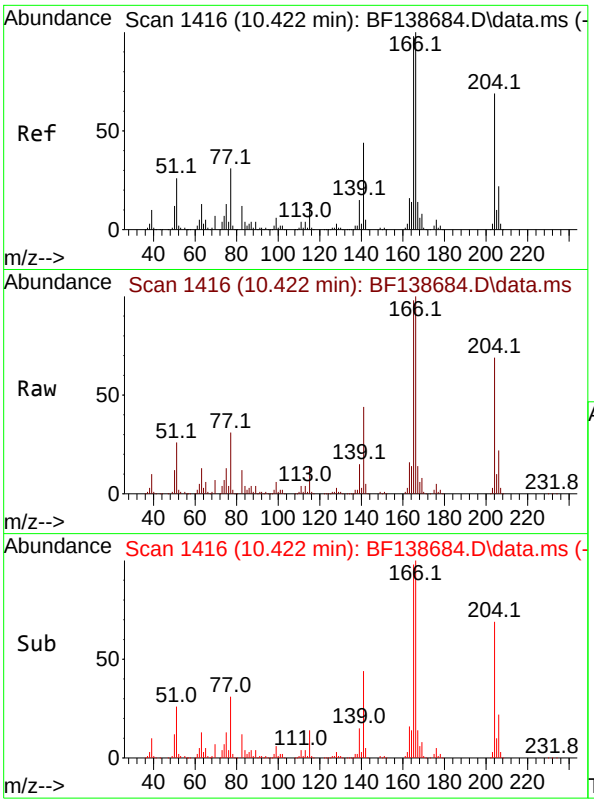


#60
Diethylphthalate
Concen: 38.114 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



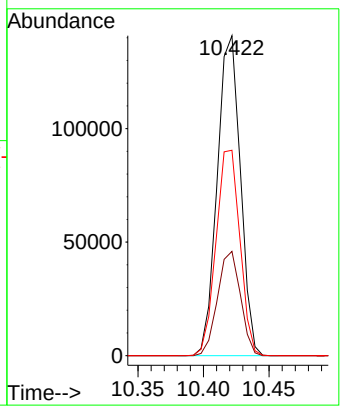


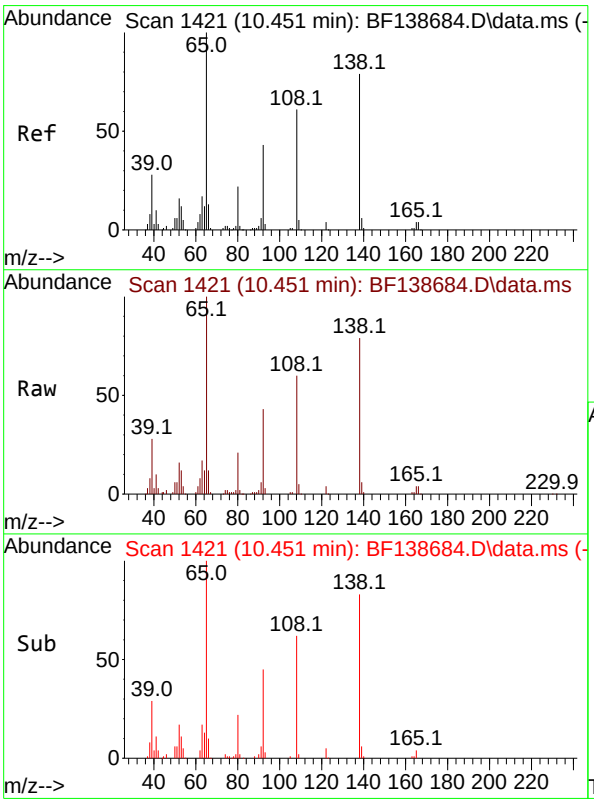
#61
4-Chlorophenyl-phenylether
Concen: 38.346 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

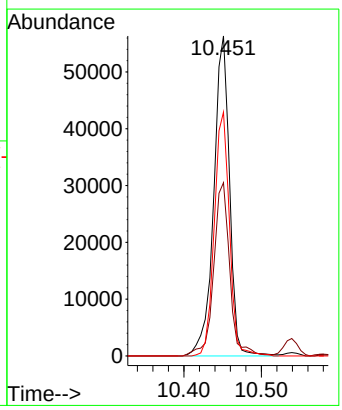


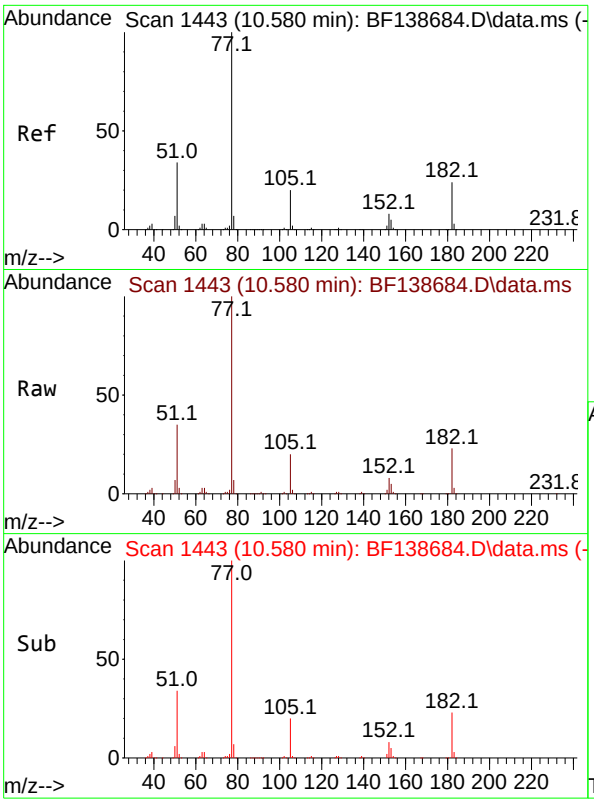


#62
4-Nitroaniline
Concen: 38.360 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



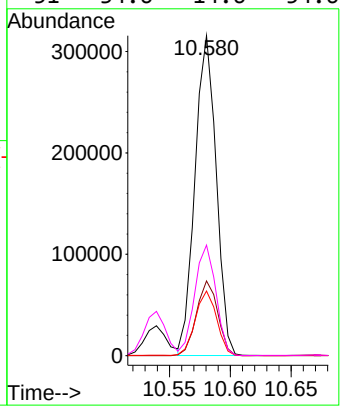


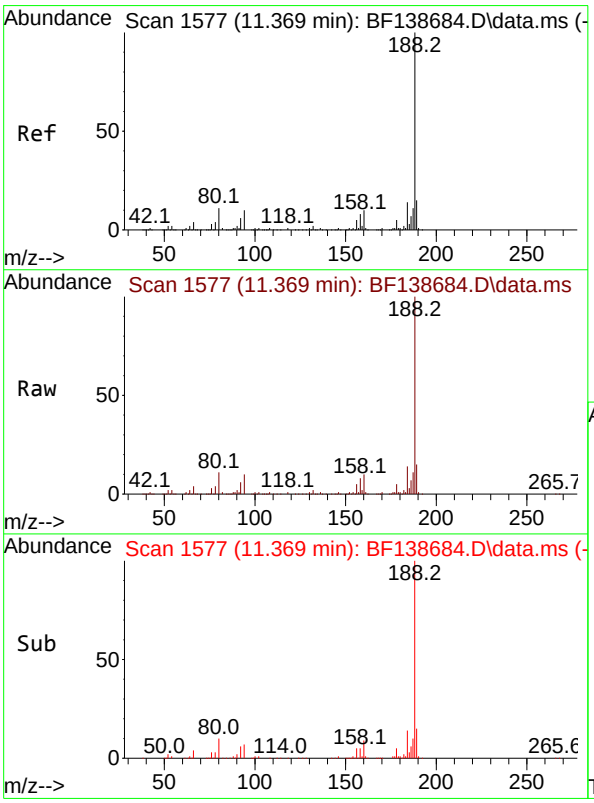
#63
Azobenzene
Concen: 38.662 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

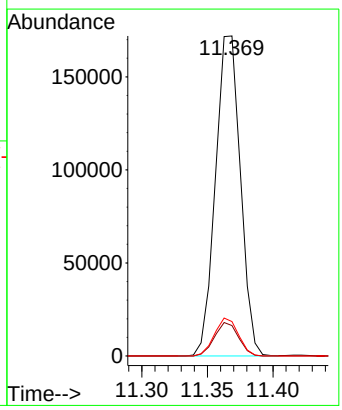


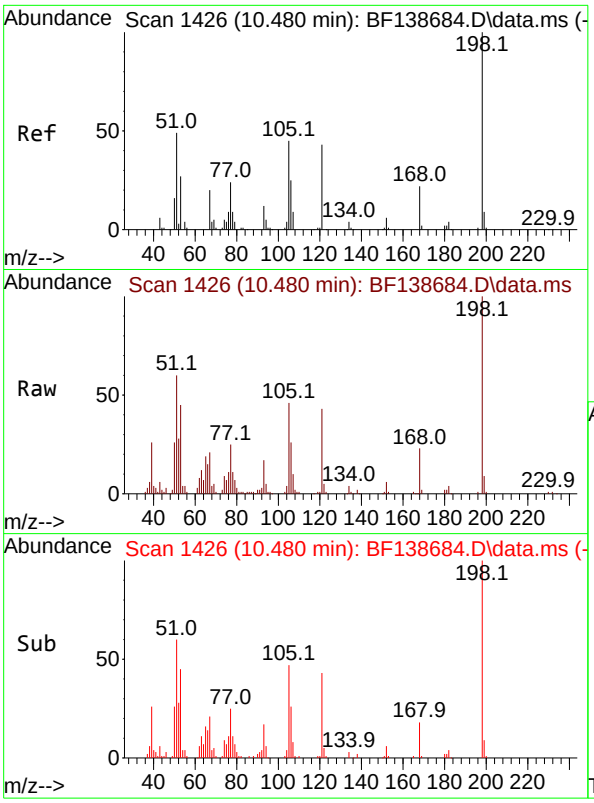


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



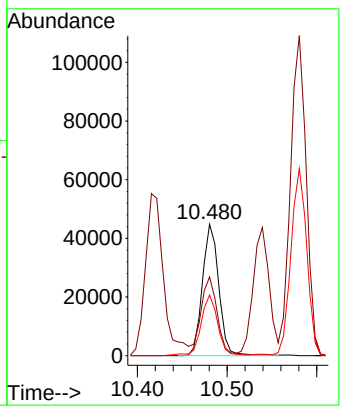


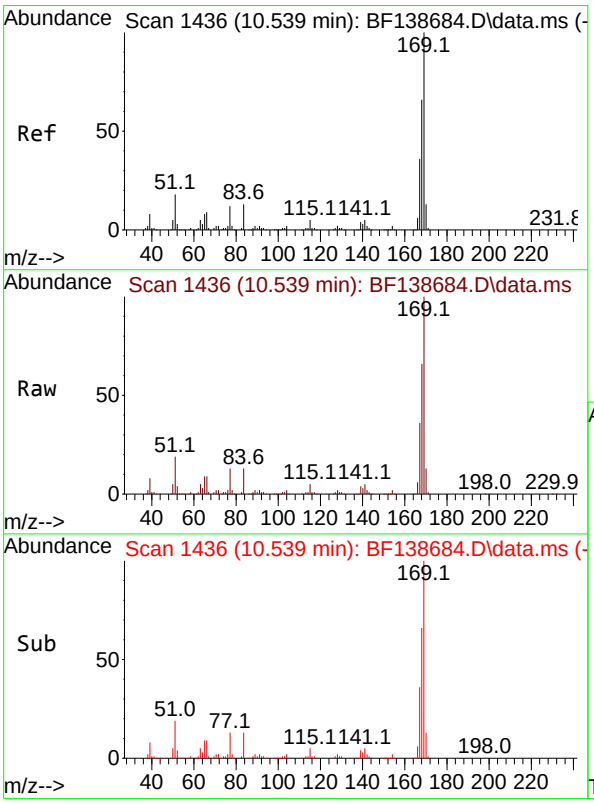
#65
4,6-Dinitro-2-methylphenol
Concen: 40.852 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

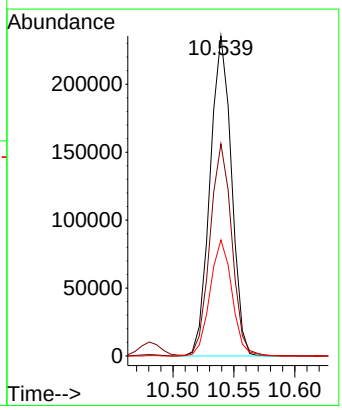


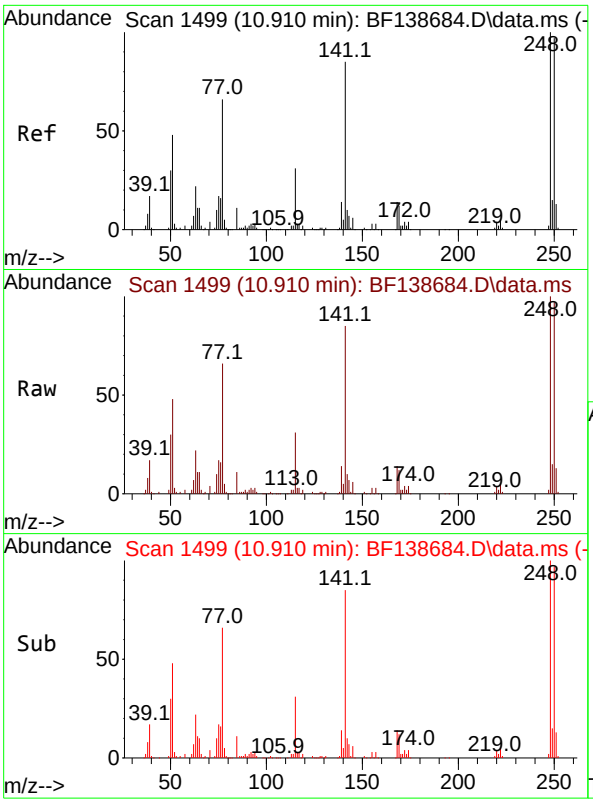


#66
n-Nitrosodiphenylamine
Concen: 40.397 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



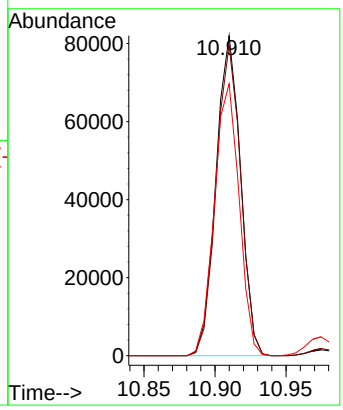


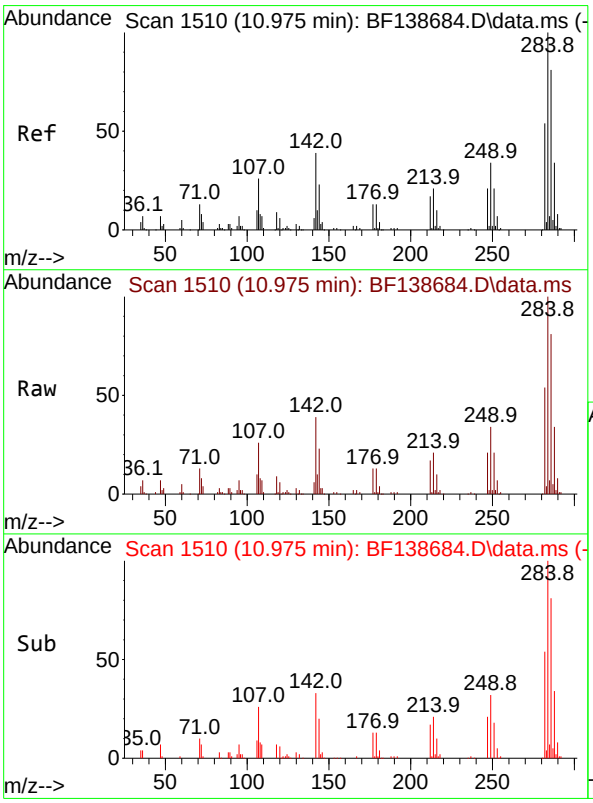
#67
4-Bromophenyl-phenylether
Concen: 40.031 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

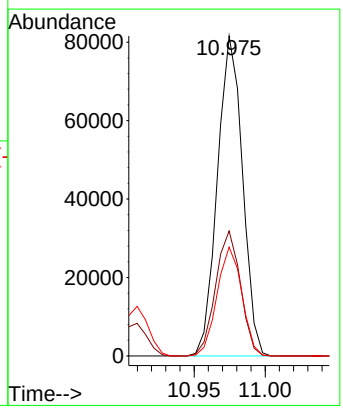


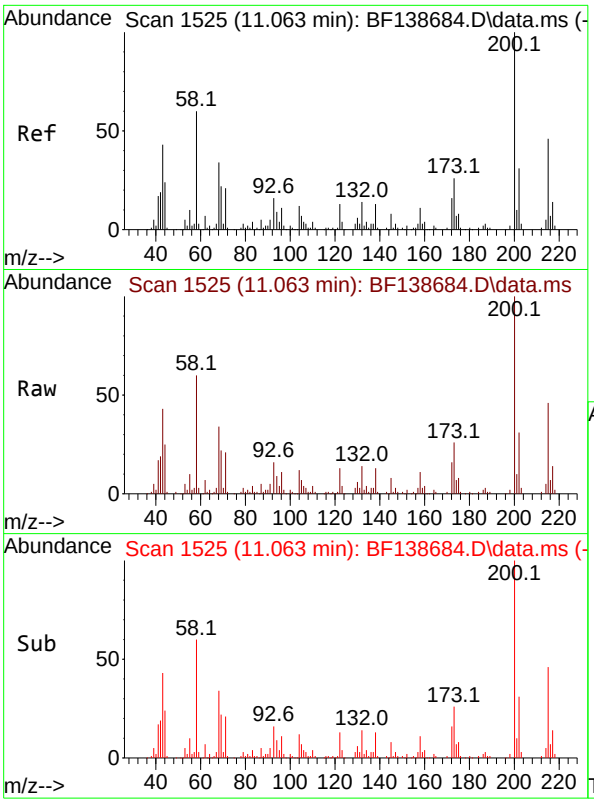


#68
Hexachlorobenzene
Concen: 39.354 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



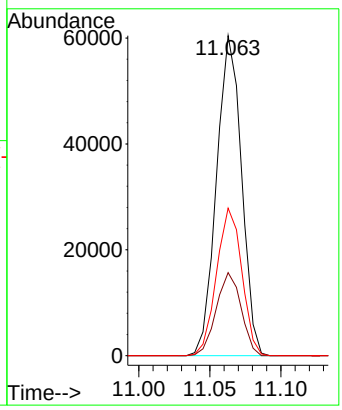


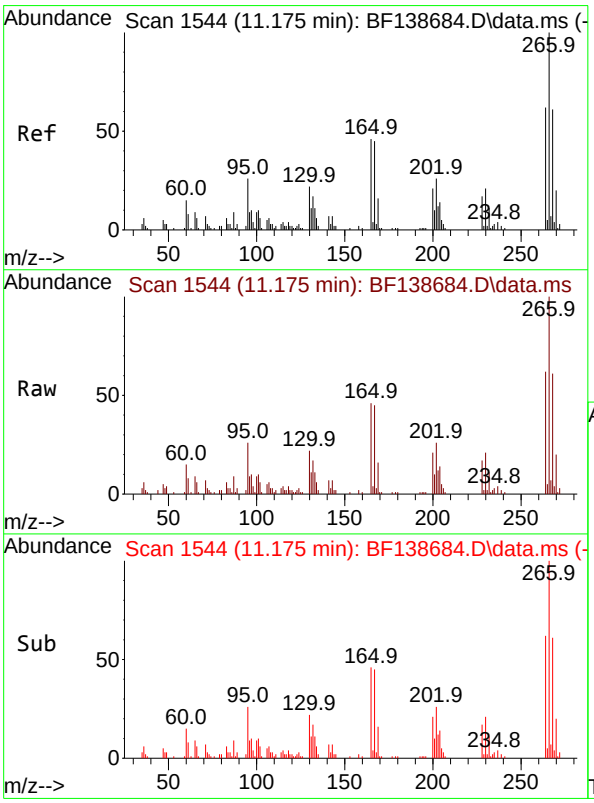
#69
Atrazine
Concen: 40.295 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

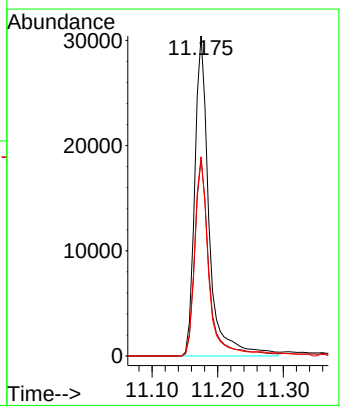


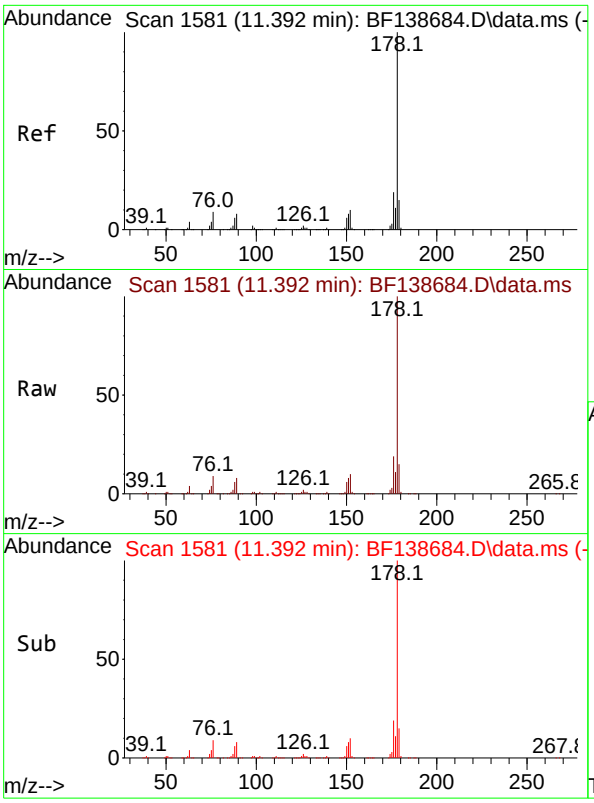


#70
Pentachlorophenol
Concen: 40.533 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



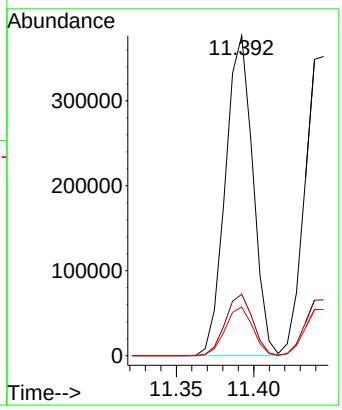


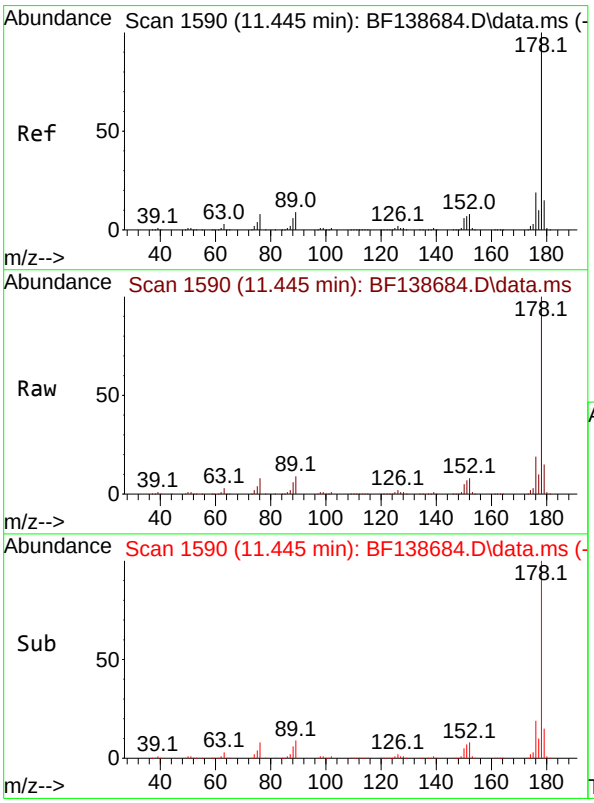
#71
Phenanthrene
Concen: 39.658 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

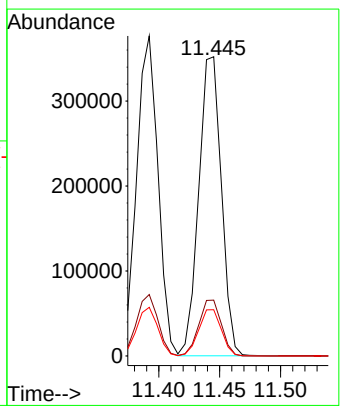


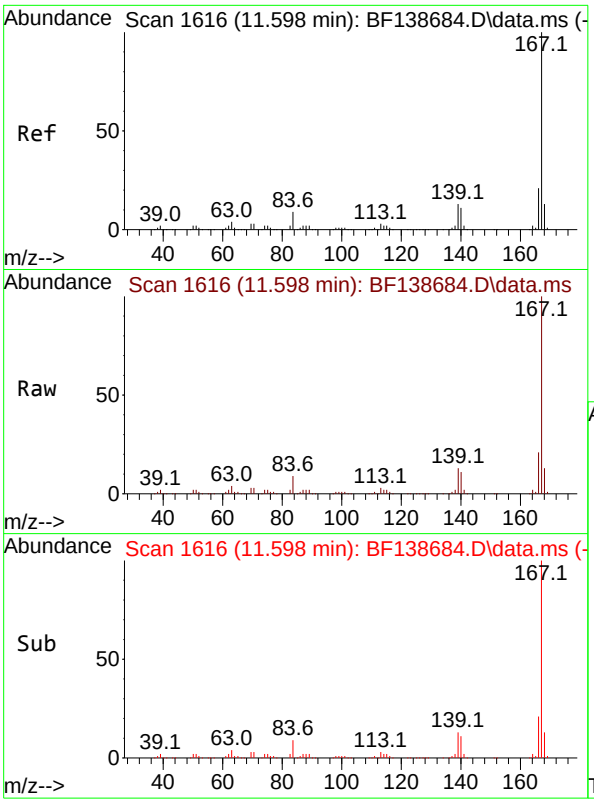


#72
Anthracene
Concen: 39.526 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



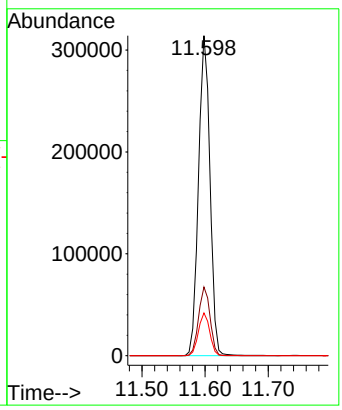


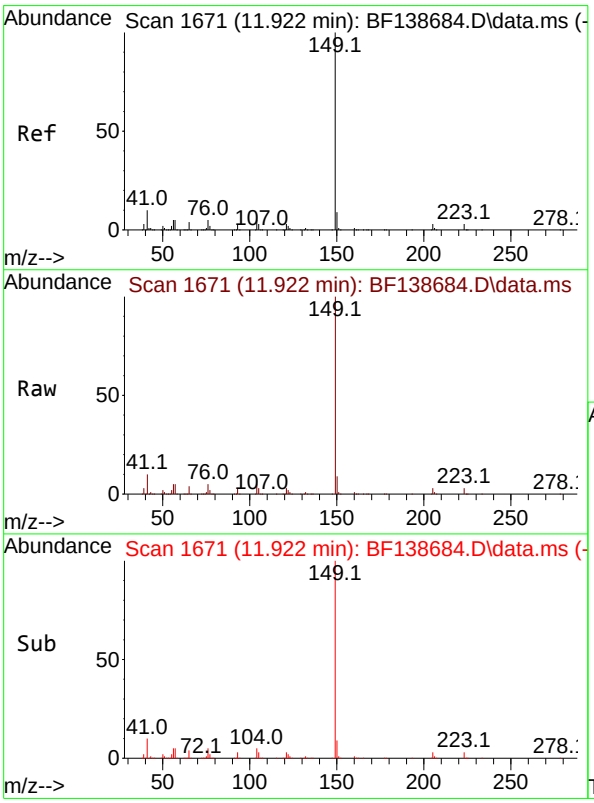
#73
Carbazole
Concen: 39.739 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

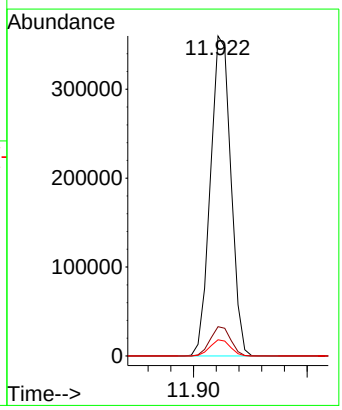


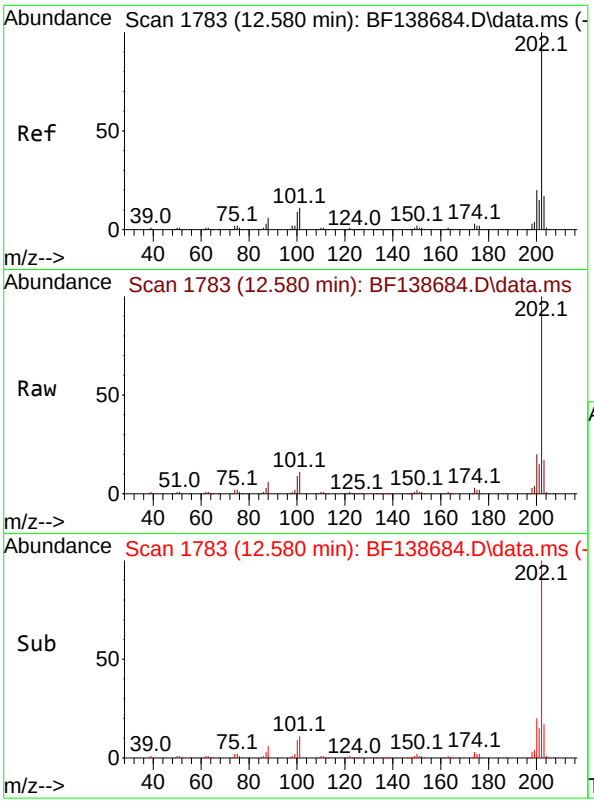


#74
Di-n-butylphthalate
Concen: 40.293 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



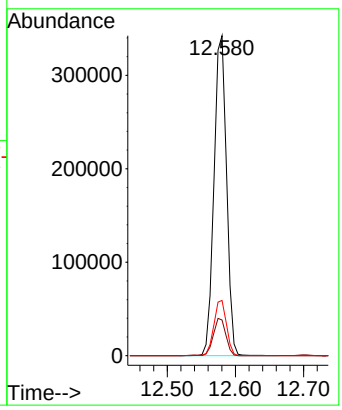


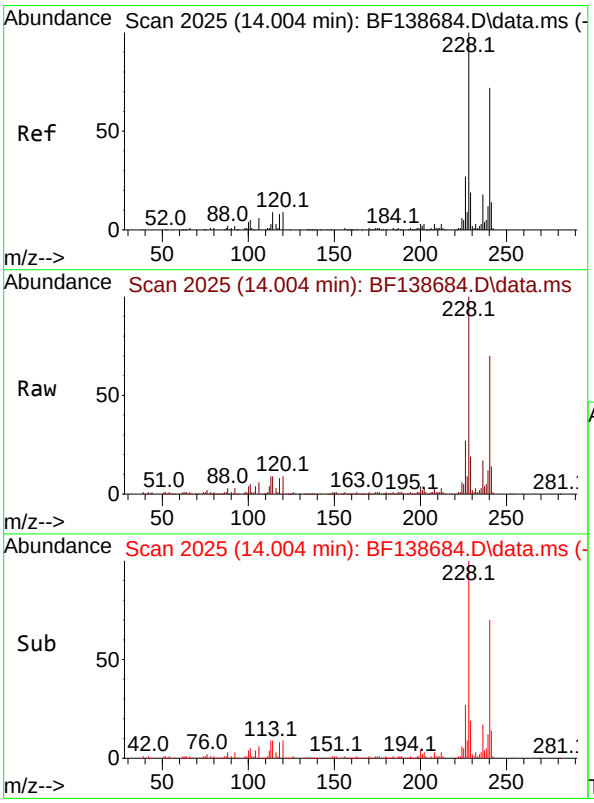
#75
Fluoranthene
Concen: 40.144 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

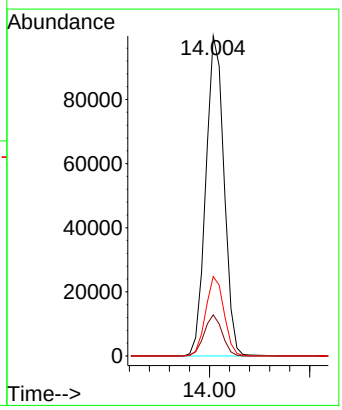


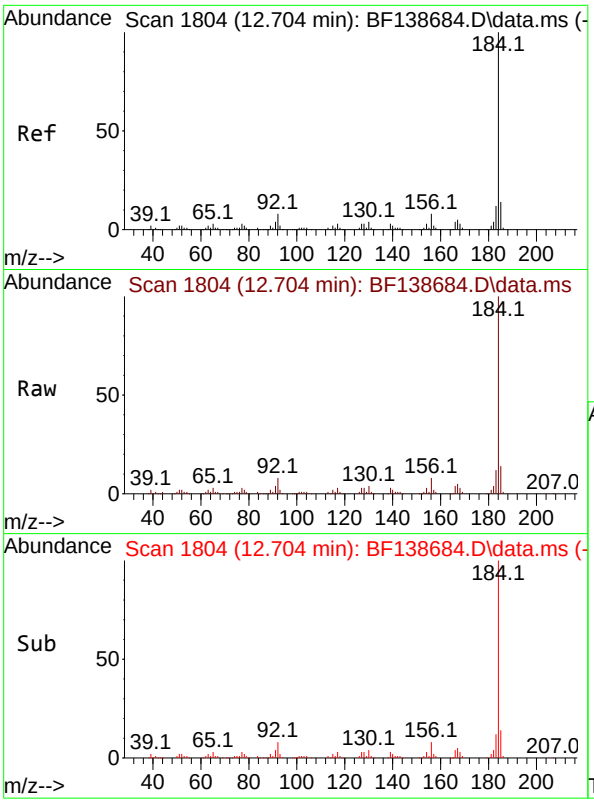


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



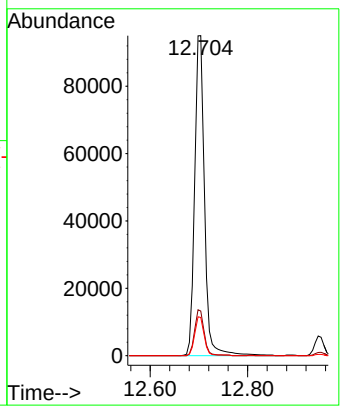


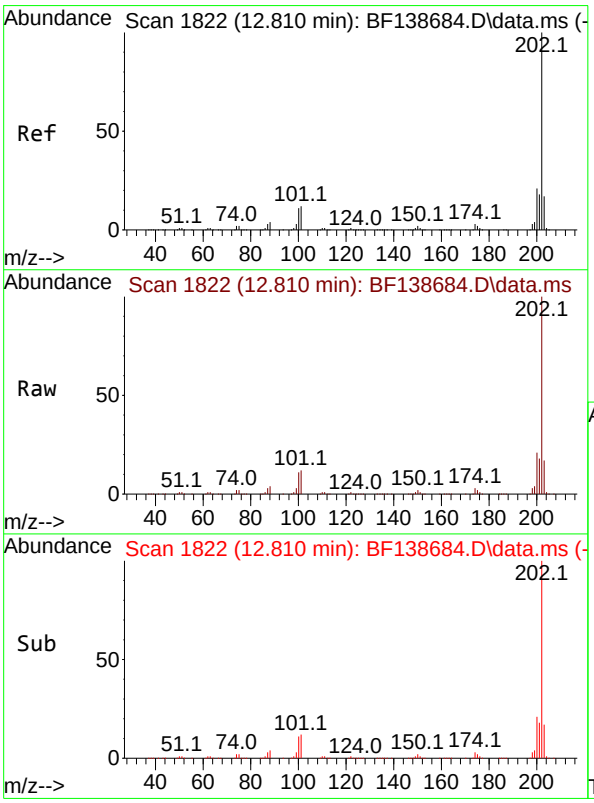
#77
Benzidine
Concen: 44.725 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

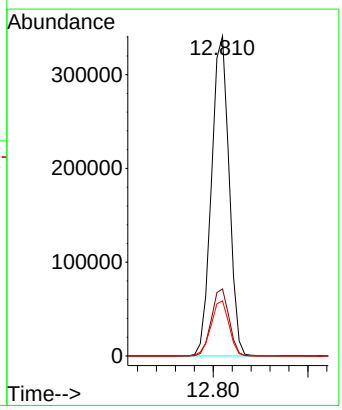


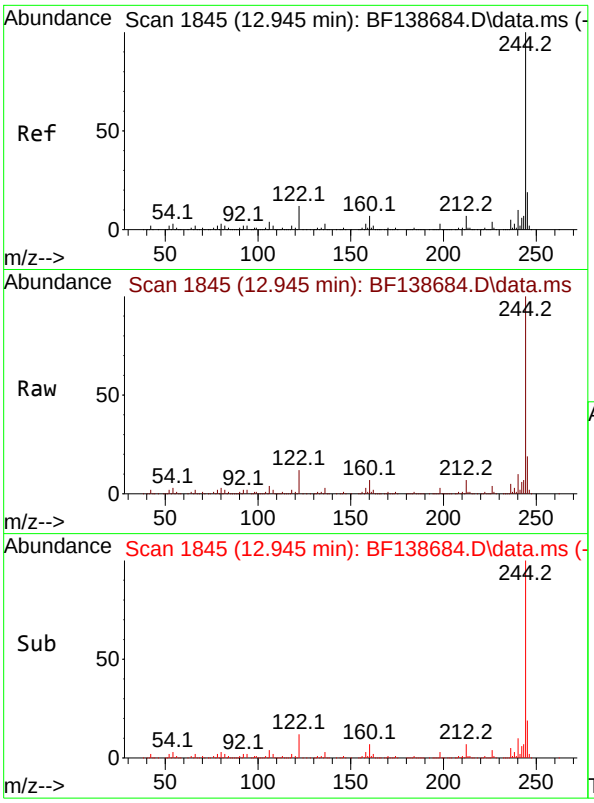


#78
Pyrene
Concen: 37.167 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



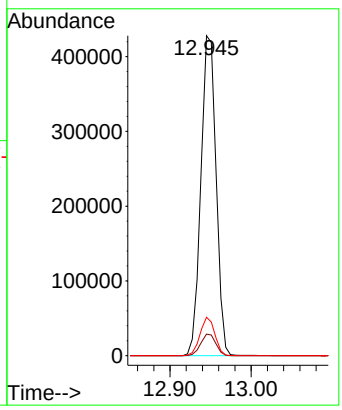


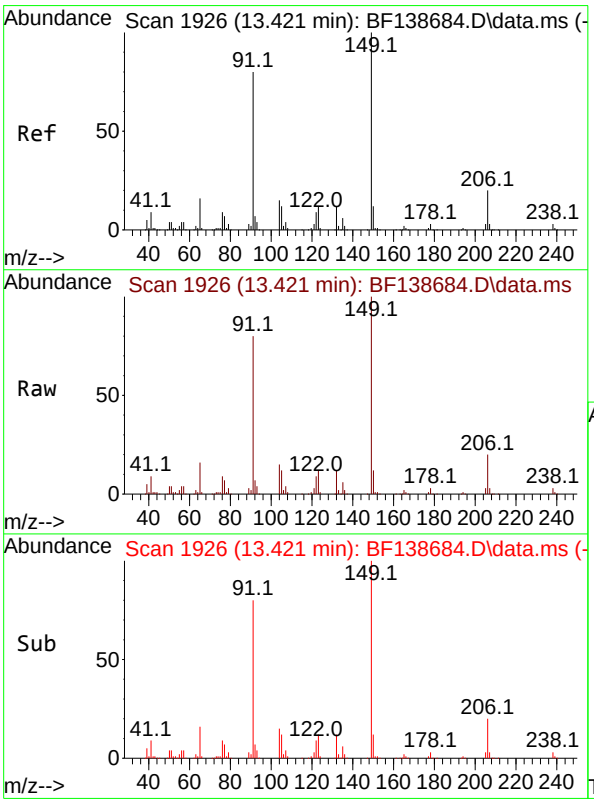
#79
Terphenyl-d14
Concen: 74.045 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

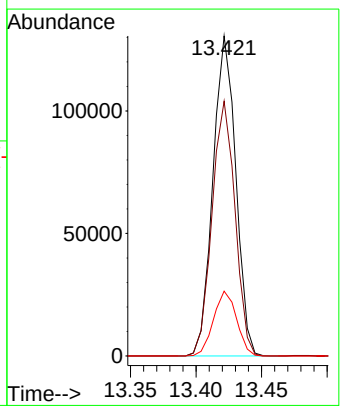


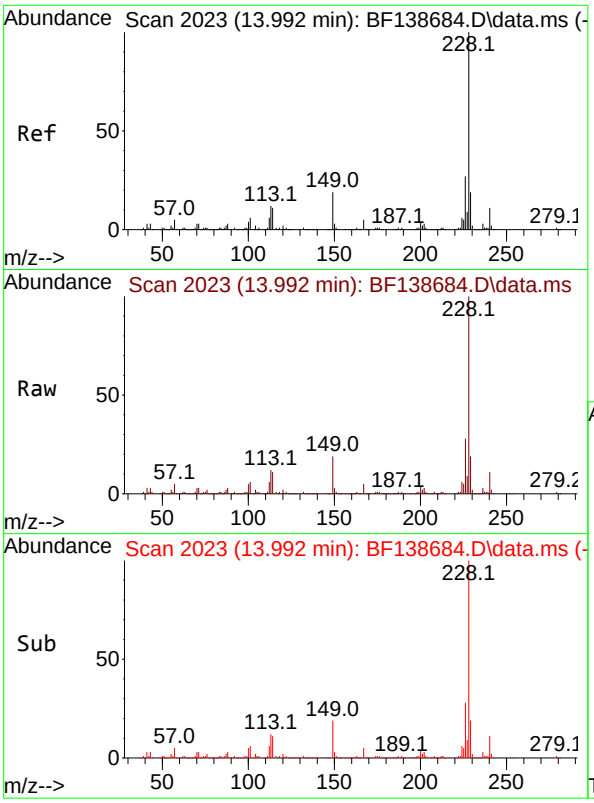


#80
Butylbenzylphthalate
Concen: 41.637 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



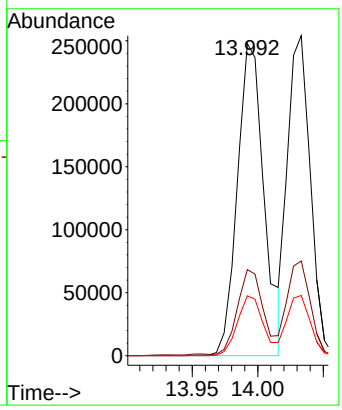


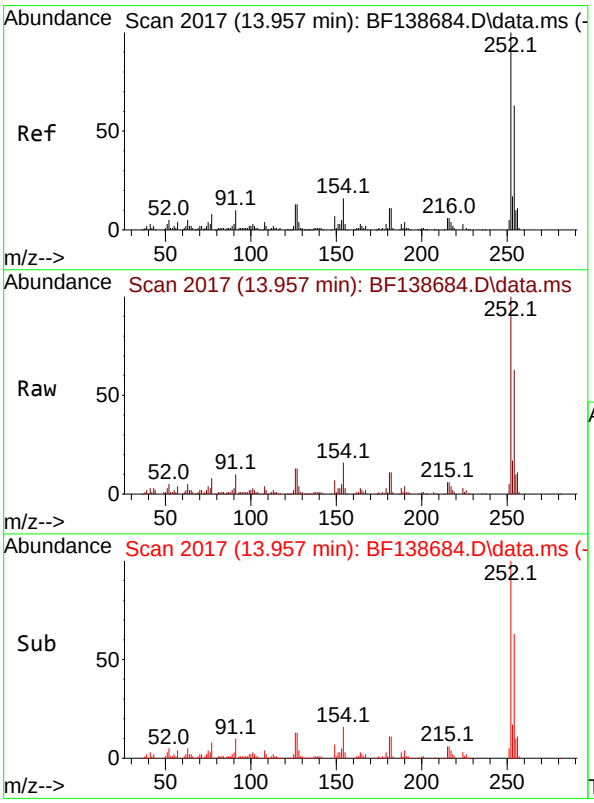
#81
Benzo(a)anthracene
Concen: 40.528 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

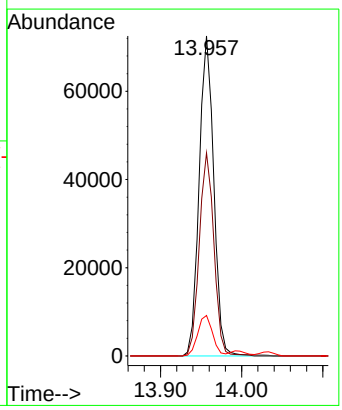


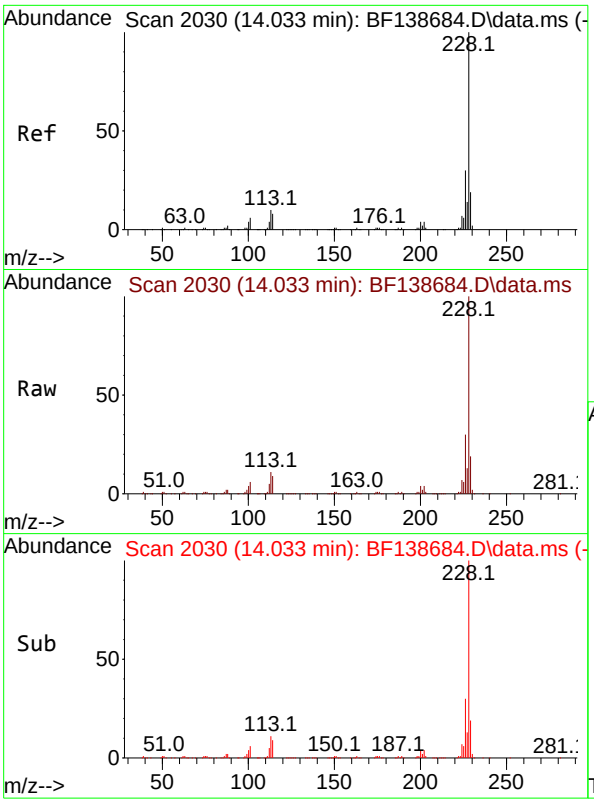


#82
3,3'-Dichlorobenzidine
Concen: 40.825 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



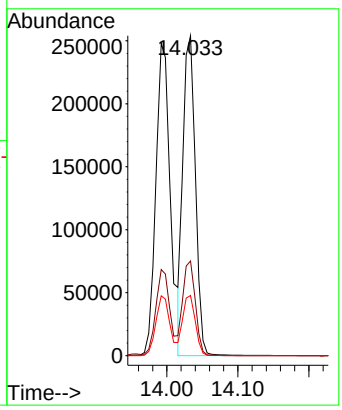


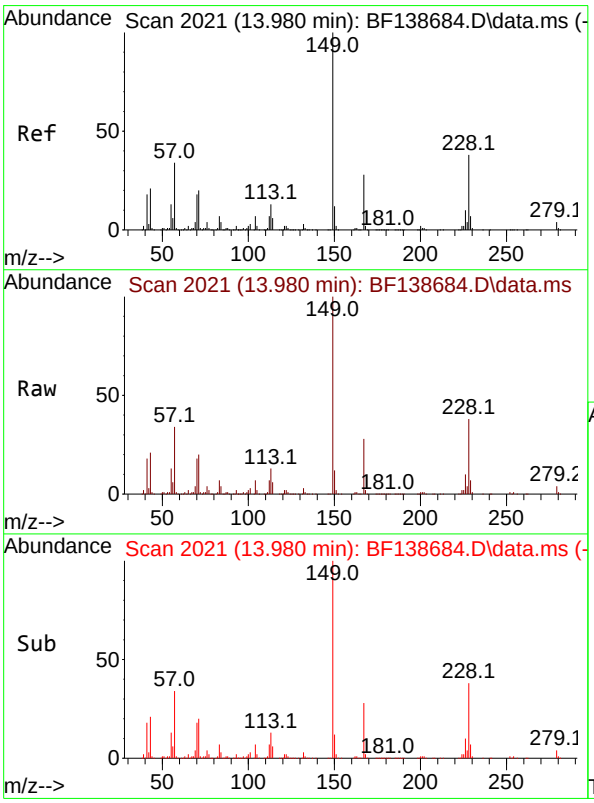
#83
Chrysene
Concen: 39.343 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

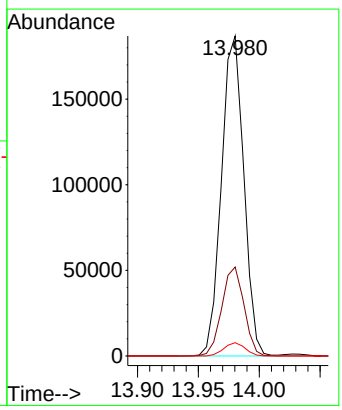


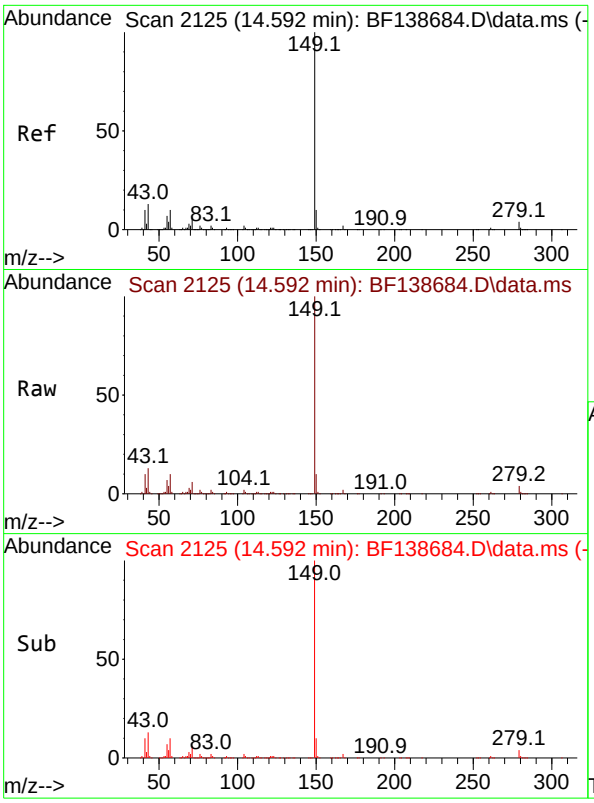


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.951 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



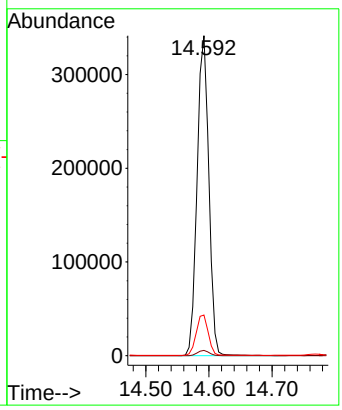


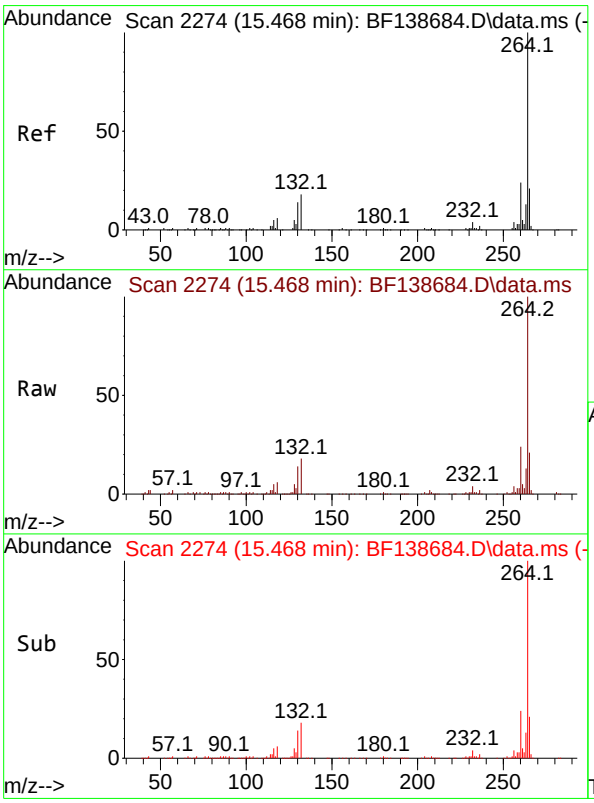
#85
Di-n-octyl phthalate
Concen: 42.690 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

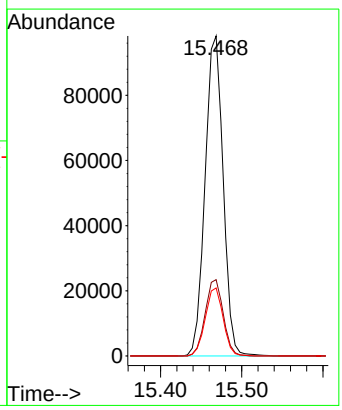


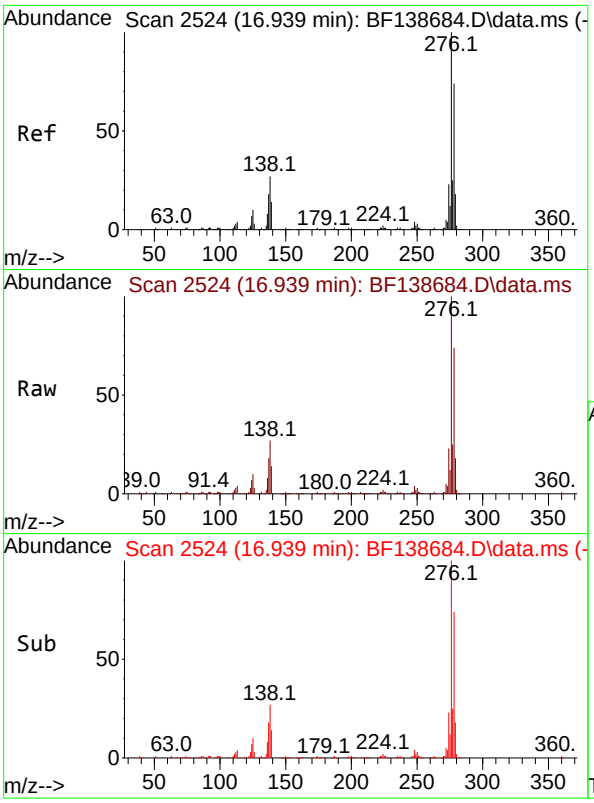


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



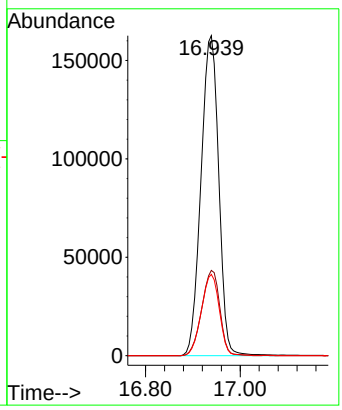


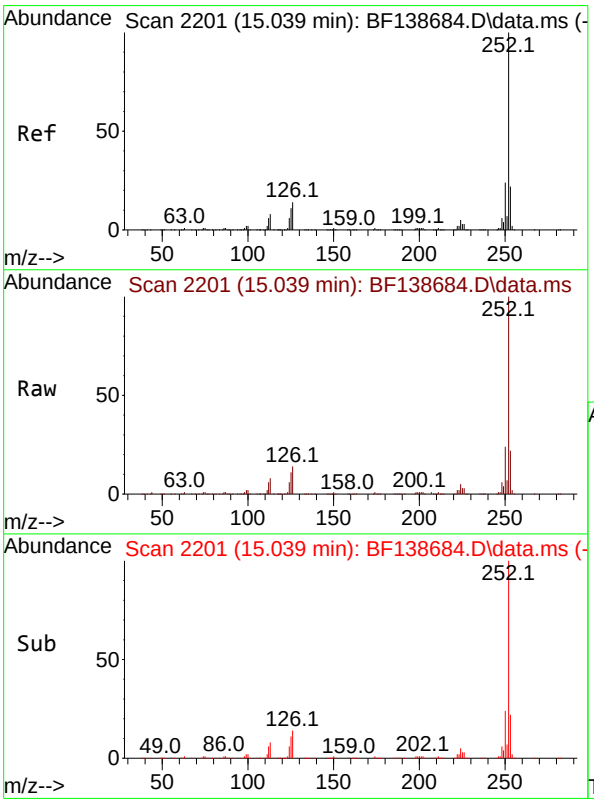
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.929 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

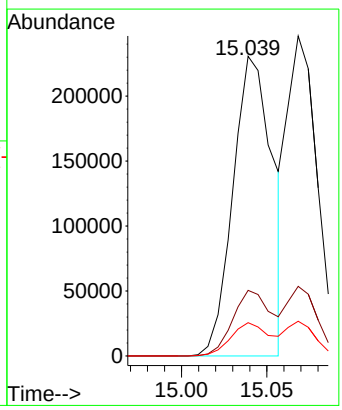


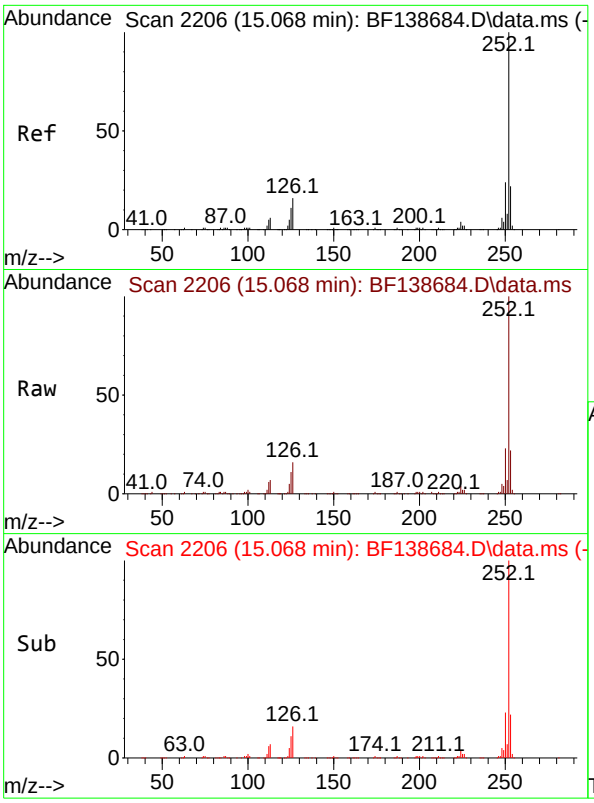


#88
Benzo(b)fluoranthene
Concen: 39.653 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



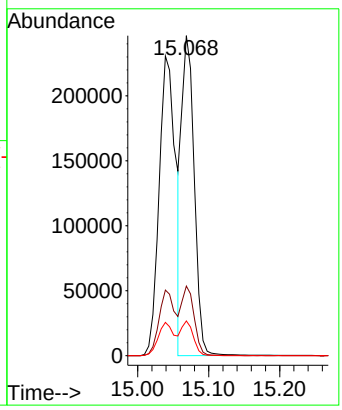


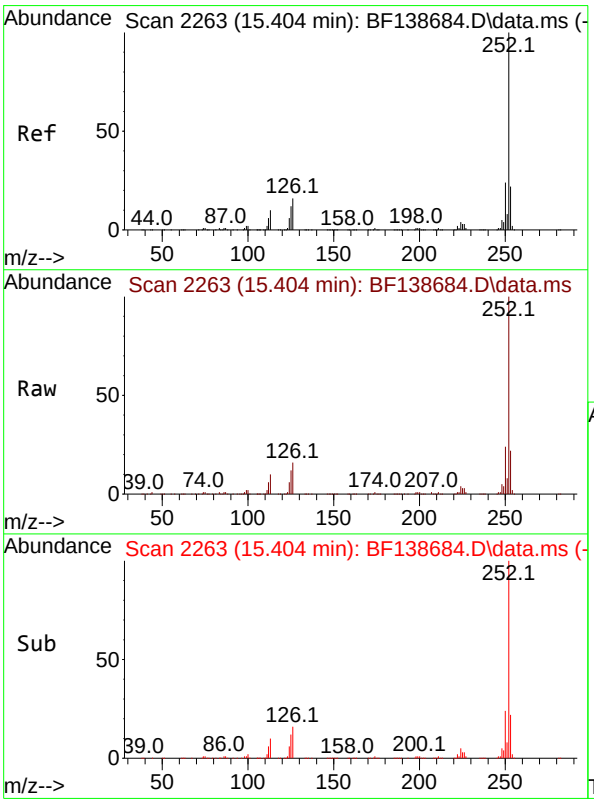
#89
Benzo(k)fluoranthene
Concen: 37.326 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

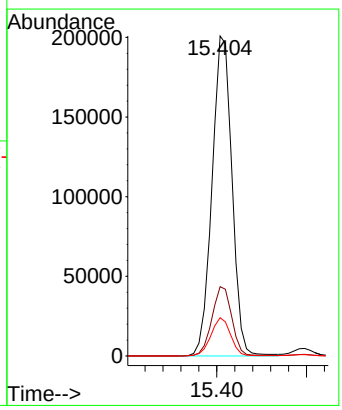


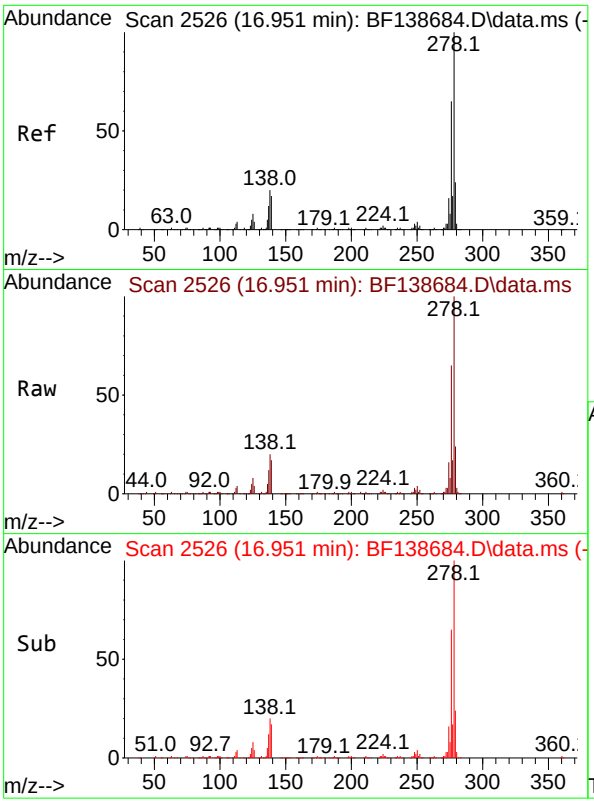


#90
Benzo(a)pyrene
Concen: 39.228 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



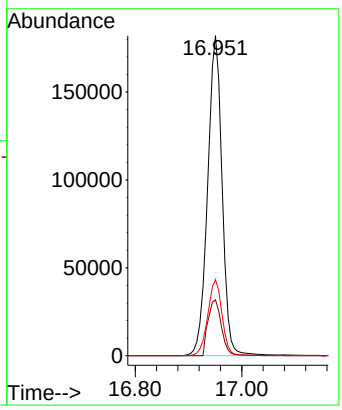


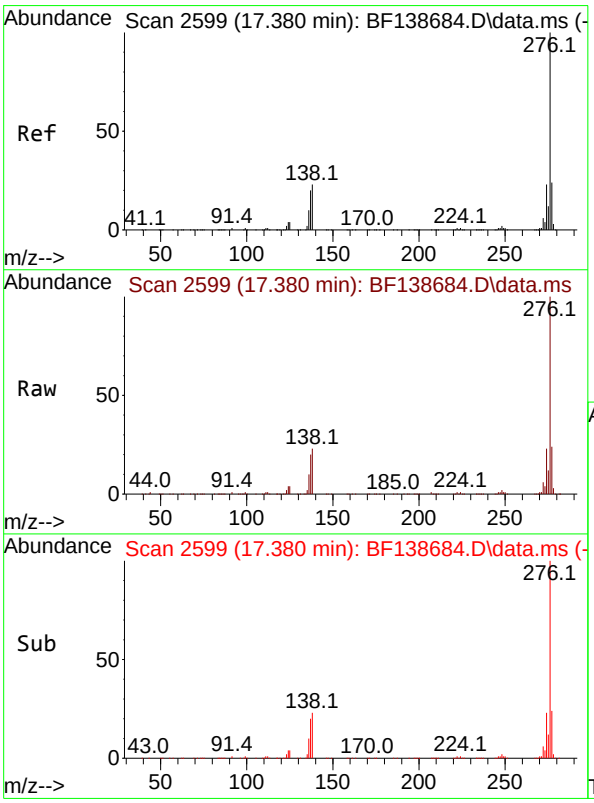
#91
Dibenzo(a,h)anthracene
Concen: 38.540 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

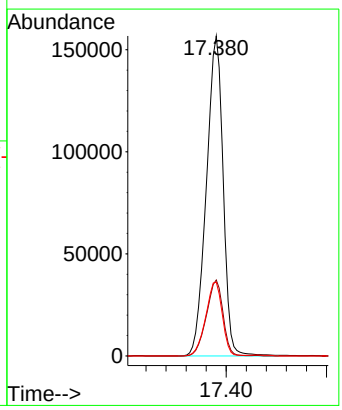




#92
Benzo(g,h,i)perylene
Concen: 39.273 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138685.D
Acq On : 30 Jul 2024 15:27
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 30 17:45:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

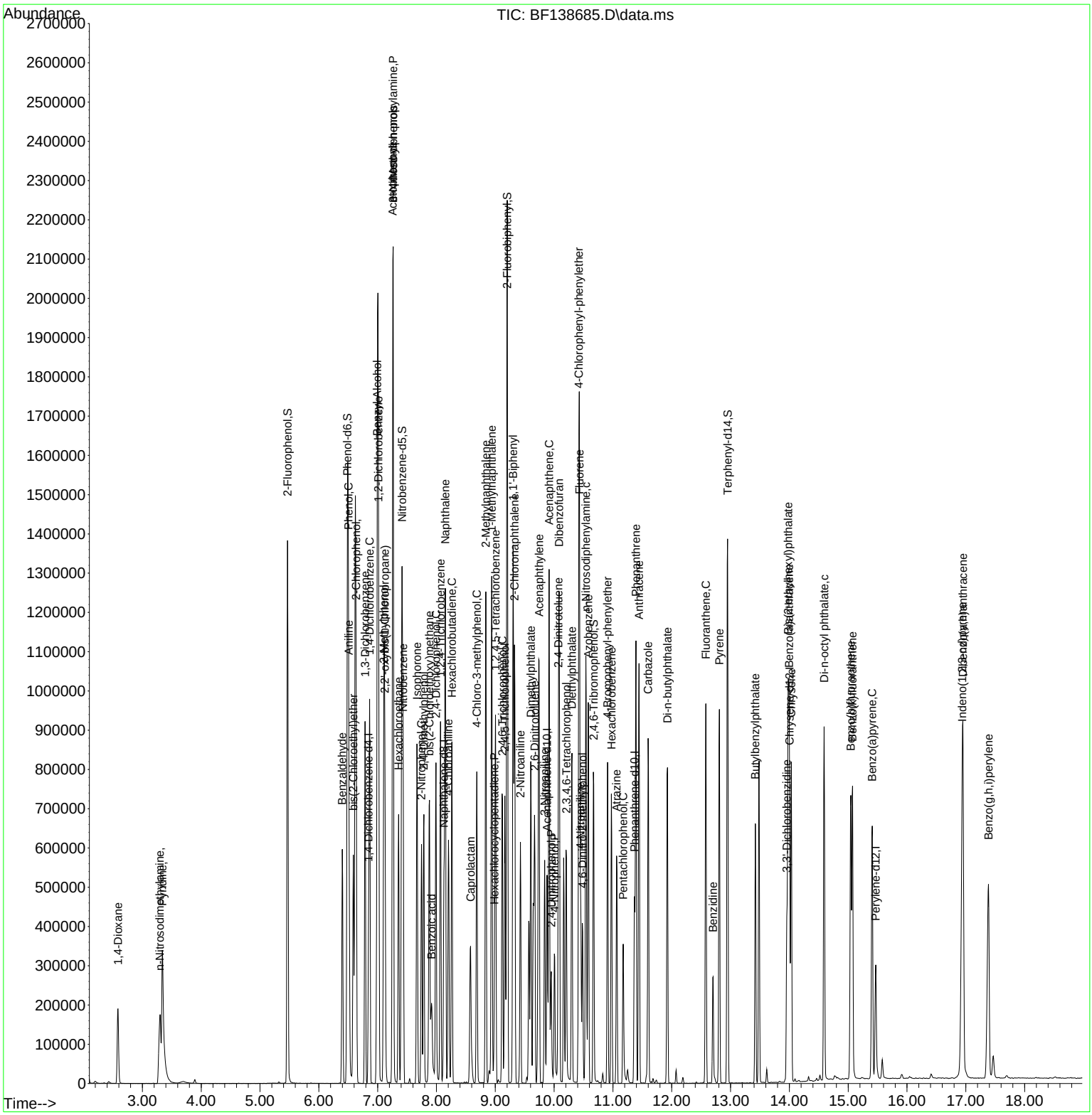
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	137518	48.726	ng	98
46) 1,1'-Biphenyl	9.304	154	574292	48.107	ng	100
47) 2-Chloronaphthalene	9.328	162	426264	48.011	ng	98
48) 2-Nitroaniline	9.428	65	144739	48.087	ng	99
49) Acenaphthylene	9.745	152	599464	47.605	ng	99
50) Dimethylphthalate	9.604	163	460459	47.244	ng	99
51) 2,6-Dinitrotoluene	9.669	165	105483	47.956	ng	96
52) Acenaphthene	9.916	154	399608	47.208	ng	100
53) 3-Nitroaniline	9.839	138	108951	47.915	ng	99
54) 2,4-Dinitrophenol	9.951	184	49980	49.361	ng	96
55) Dibenzofuran	10.086	168	565582	47.333	ng	99
56) 4-Nitrophenol	10.010	139	66924	48.943	ng	94
57) 2,4-Dinitrotoluene	10.075	165	130457	46.487	ng	95
58) Fluorene	10.433	166	444469	46.711	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	106594	49.402	ng	99
60) Diethylphthalate	10.304	149	424041	45.886	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	220930	47.209	ng	99
62) 4-Nitroaniline	10.451	138	101171	46.819	ng	100
63) Azobenzene	10.580	77	479859	46.818	ng	100
65) 4,6-Dinitro-2-methylph...	10.486	198	72667	50.244	ng	95
66) n-Nitrosodiphenylamine	10.539	169	359408	48.503	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	124874	48.653	ng	99
68) Hexachlorobenzene	10.975	284	126744	47.827	ng	99
69) Atrazine	11.063	200	90580	47.380	ng	98
70) Pentachlorophenol	11.175	266	61385	51.390	ng	99
71) Phenanthrene	11.392	178	575040	47.109	ng	100
72) Anthracene	11.445	178	571666	47.539	ng	99
73) Carbazole	11.598	167	480092	46.275	ng	99
74) Di-n-butylphthalate	11.927	149	559303	47.956	ng	99
75) Fluoranthene	12.580	202	533004	46.772	ng	99
77) Benzidine	12.704	184	145955	49.129	ng	99
78) Pyrene	12.810	202	525950	44.974	ng	99
80) Butylbenzylphthalate	13.421	149	193143	51.575	ng	99
81) Benzo(a)anthracene	13.998	228	419449	49.040	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	107444	49.088	ng	98
83) Chrysene	14.033	228	373417	48.391	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	293490	53.519	ng	99
85) Di-n-octyl phthalate	14.592	149	540838	53.306	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	533298	49.039	ng	99
88) Benzo(b)fluoranthene	15.045	252	447896	47.613	ng	99
89) Benzo(k)fluoranthene	15.074	252	402008	49.358	ng	99
90) Benzo(a)pyrene	15.410	252	389298	49.199	ng	100
91) Dibenzo(a,h)anthracene	16.951	278	432604	48.460	ng	99
92) Benzo(g,h,i)perylene	17.386	276	453886	48.997	ng	100

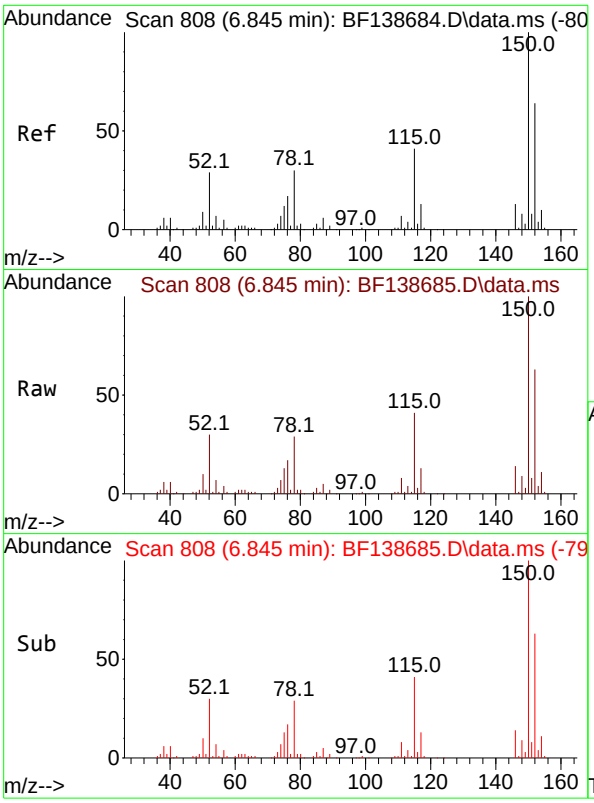
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138685.D
Acq On : 30 Jul 2024 15:27
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 30 17:45:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



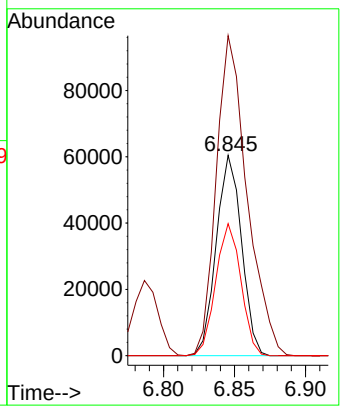


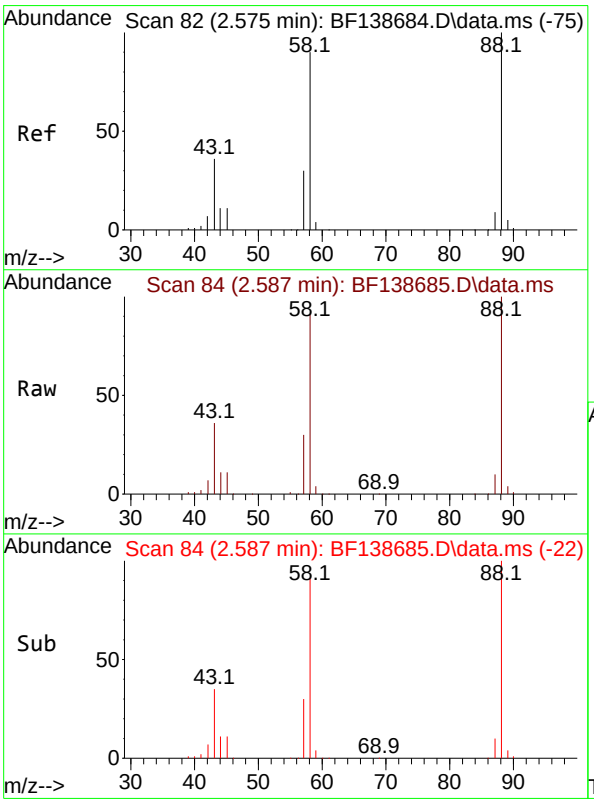
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 74850

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.0	189.0
115	65.9	51.7	77.5

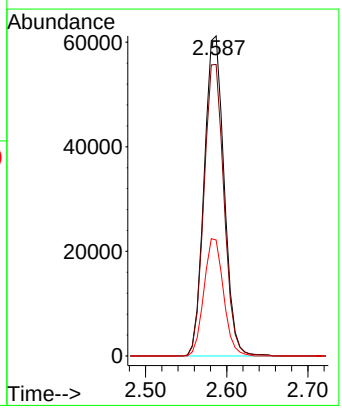


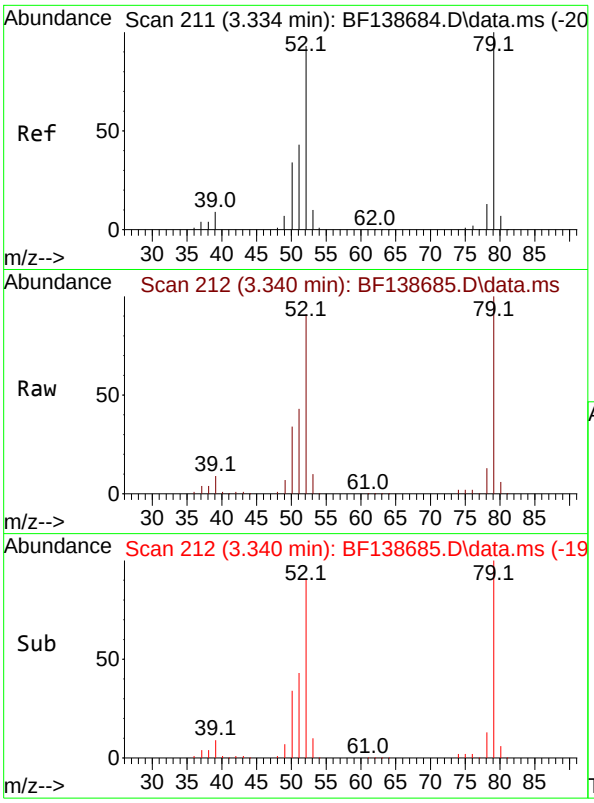


#2
1,4-Dioxane
Concen: 49.086 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 88 Resp: 104204

Ion	Ratio	Lower	Upper
88	100		
58	91.5	71.6	107.4
43	36.1	28.7	43.1



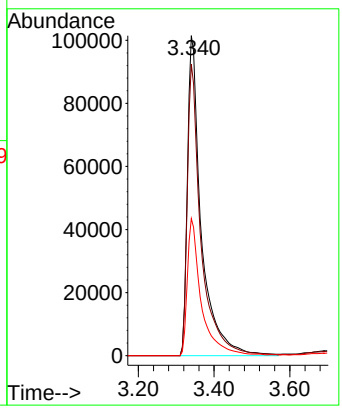


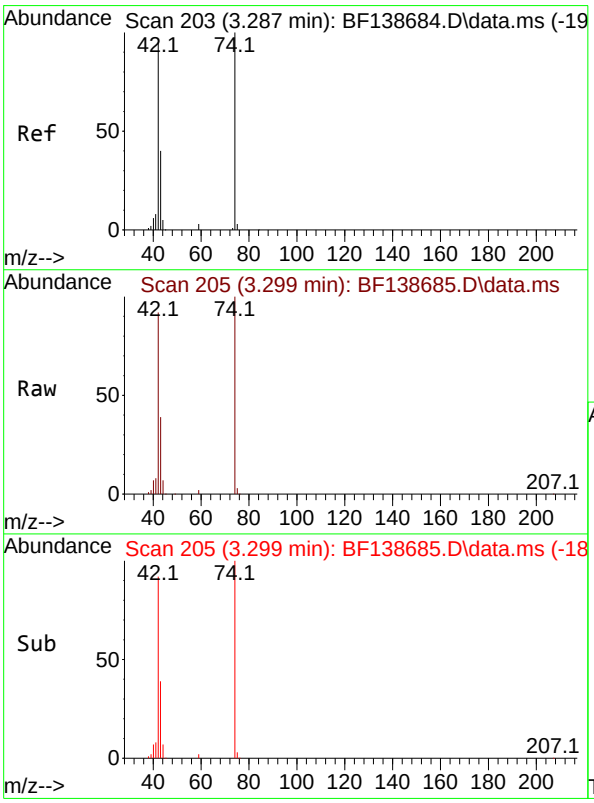
#3
Pyridine
Concen: 50.224 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 258280

Ion	Ratio	Lower	Upper
79	100		
52	91.0	74.7	112.1
51	42.9	34.6	51.8

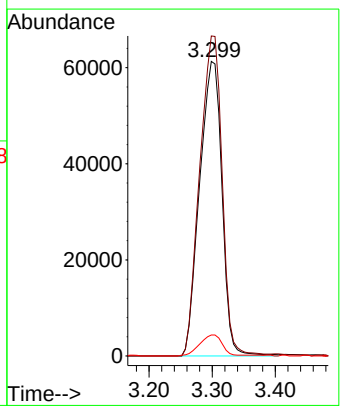


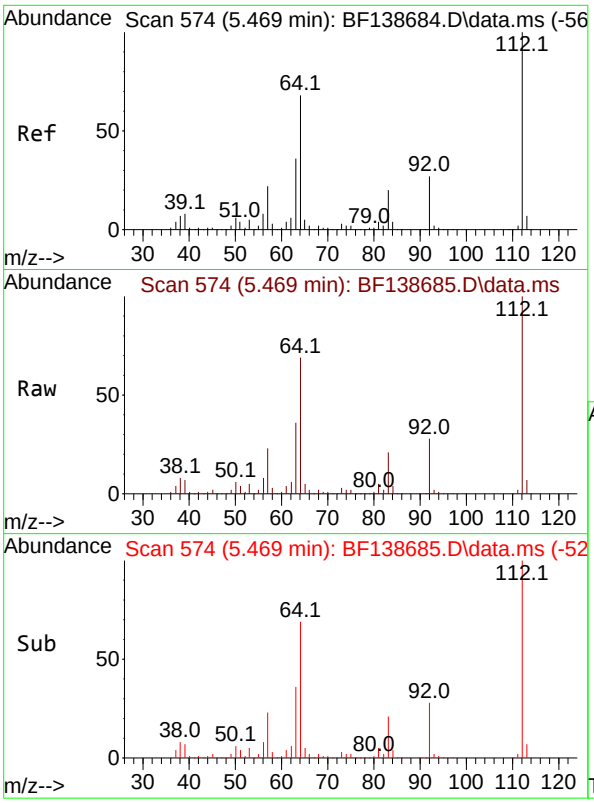


#4
n-Nitrosodimethylamine
Concen: 49.096 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 42 Resp: 150372

Ion	Ratio	Lower	Upper
42	100		
74	108.7	84.2	126.4
44	7.1	4.9	7.3



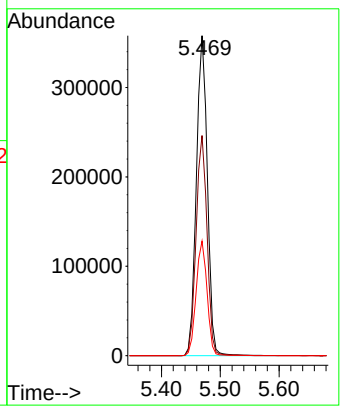


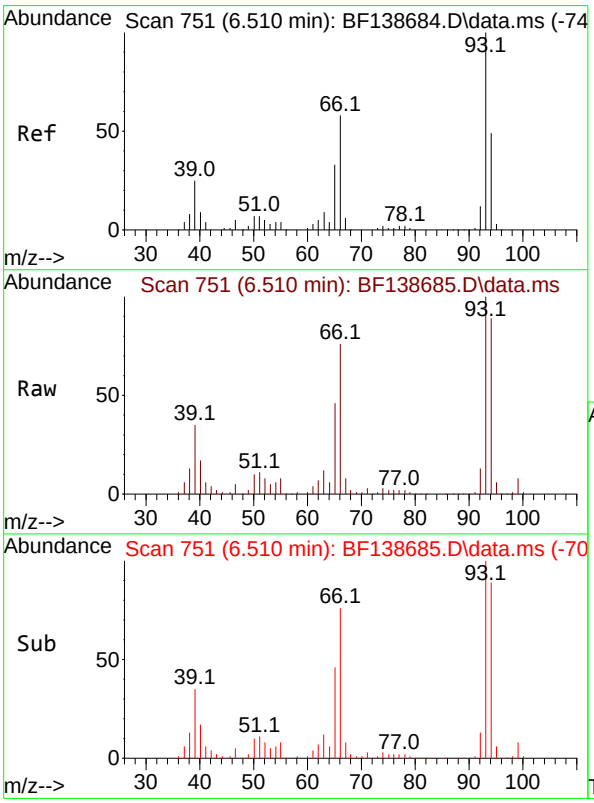
#5
2-Fluorophenol
Concen: 95.989 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 465439

Ion	Ratio	Lower	Upper
112	100		
64	68.8	54.2	81.4
63	35.8	28.7	43.1

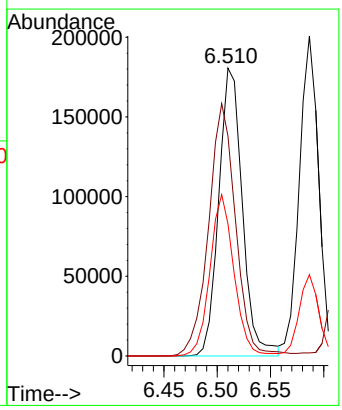


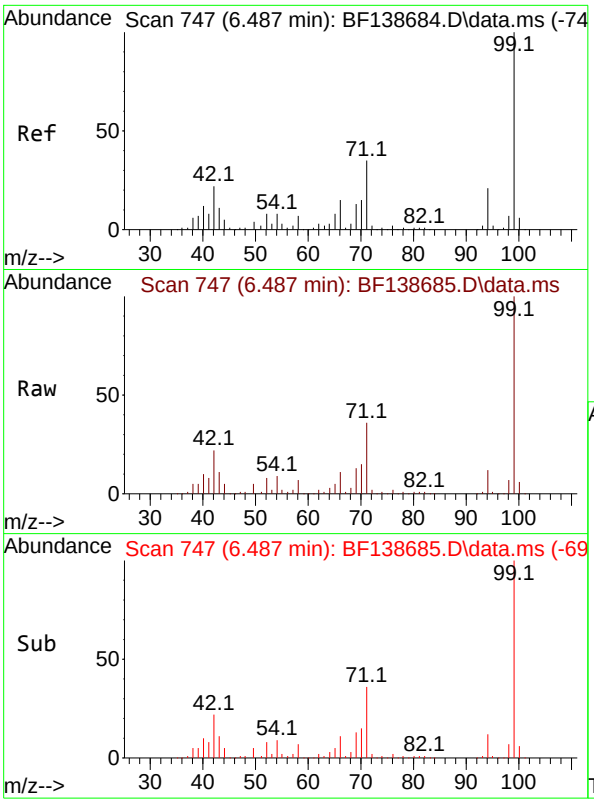


#6
Aniline
Concen: 47.911 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 93 Resp: 278162

Ion	Ratio	Lower	Upper
93	100		
66	76.5	46.9	70.3#
65	45.9	26.5	39.7#



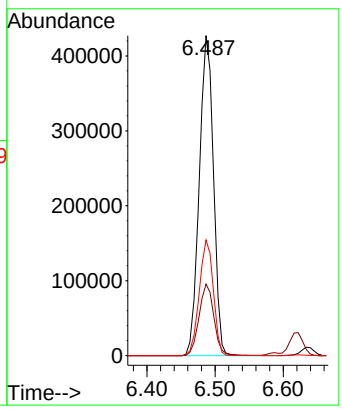


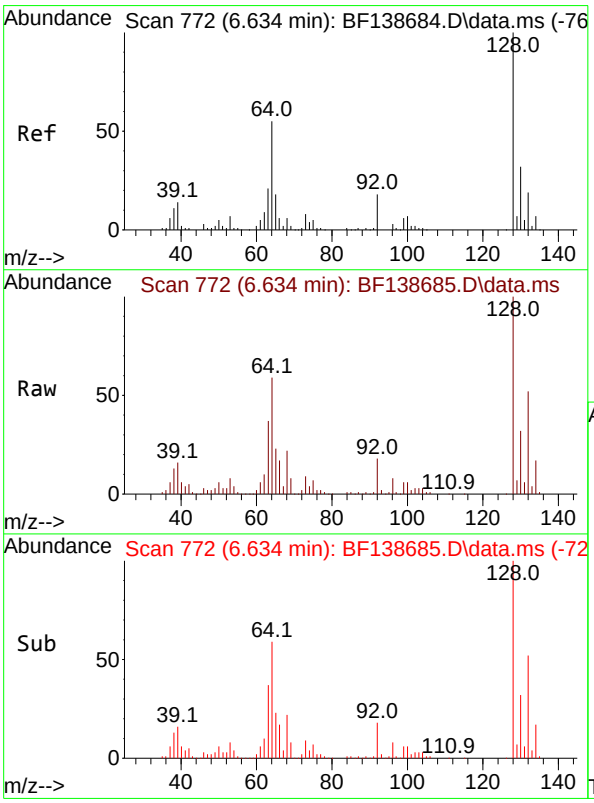
#7
Phenol-d6
Concen: 95.084 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 619012

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.4	26.0
71	36.2	28.1	42.1

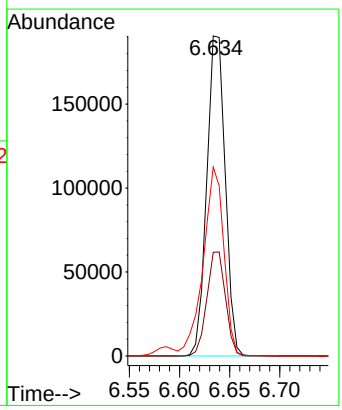


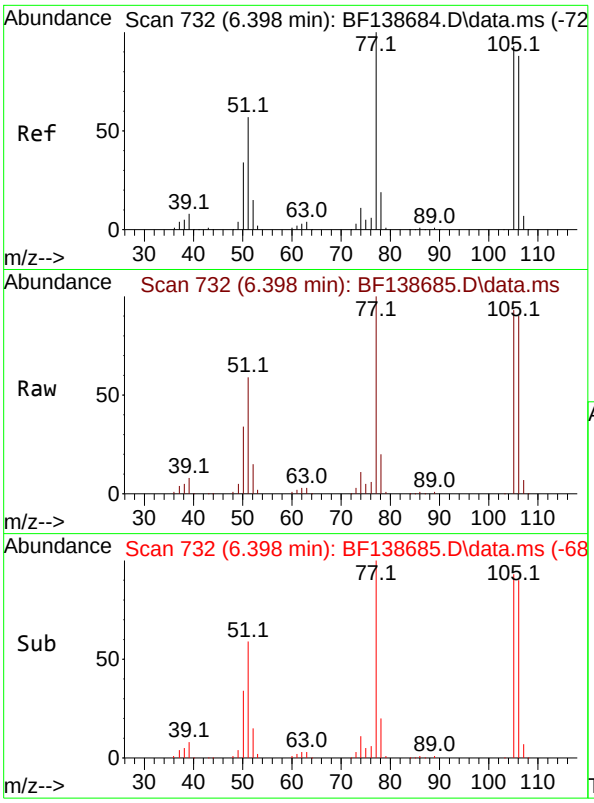


#8
2-Chlorophenol
Concen: 47.976 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:128 Resp: 244752

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.0	52.0
64	59.1	36.3	76.3



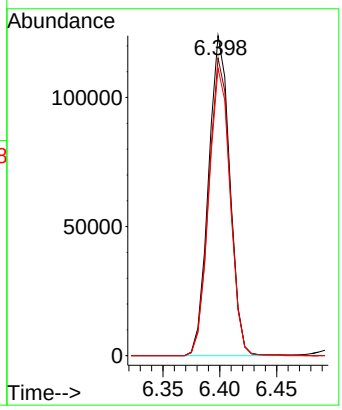


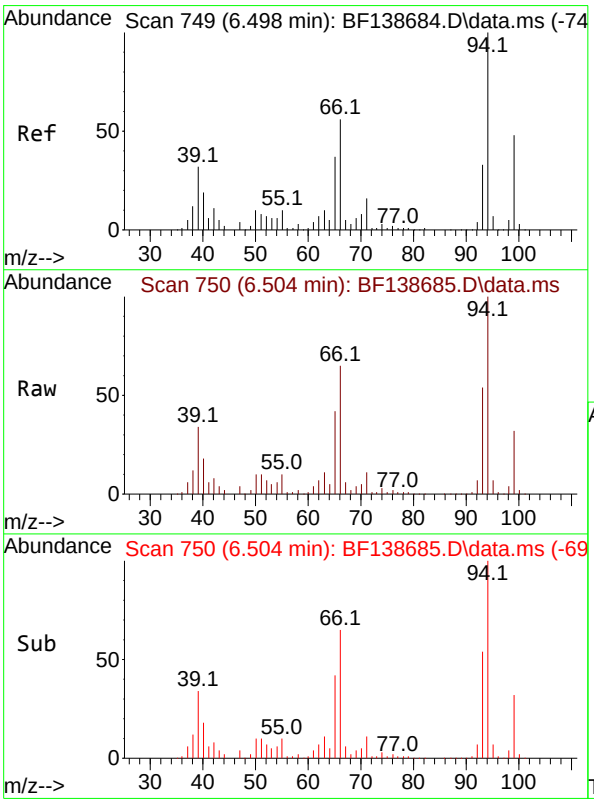
#9
Benzaldehyde
Concen: 41.333 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 161301

Ion	Ratio	Lower	Upper
77	100		
105	93.0	72.9	112.9
106	89.8	68.4	108.4

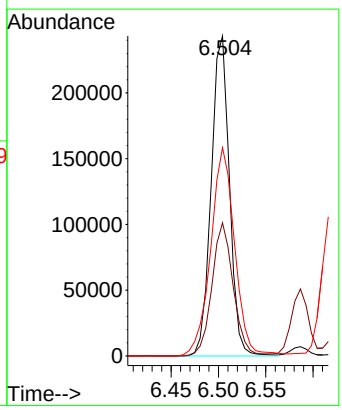


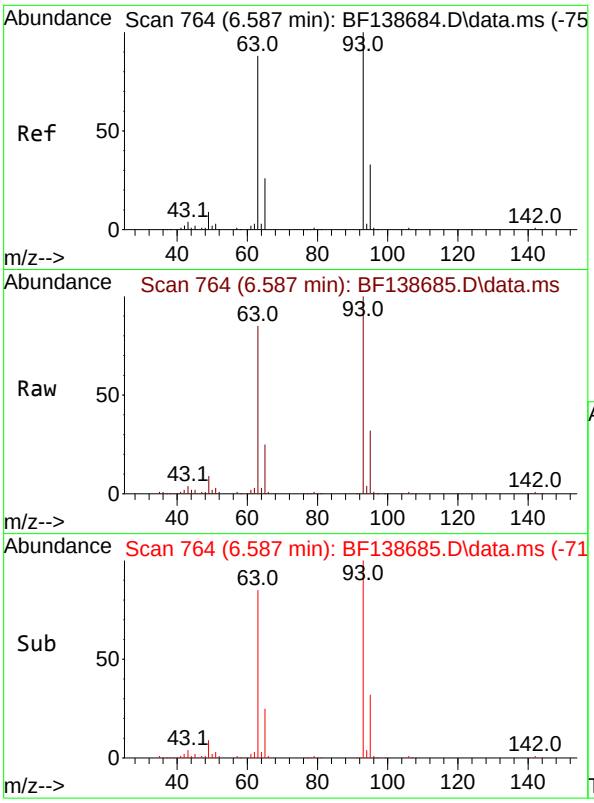


#10
Phenol
Concen: 47.487 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 94 Resp: 325498

Ion	Ratio	Lower	Upper
94	100		
65	41.6	16.9	56.9
66	65.1	36.5	76.5



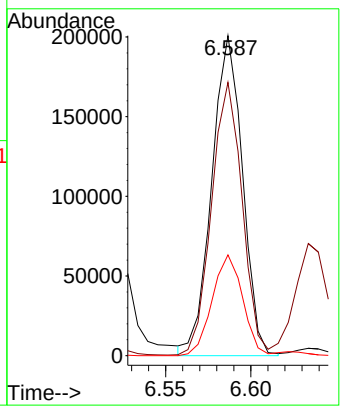


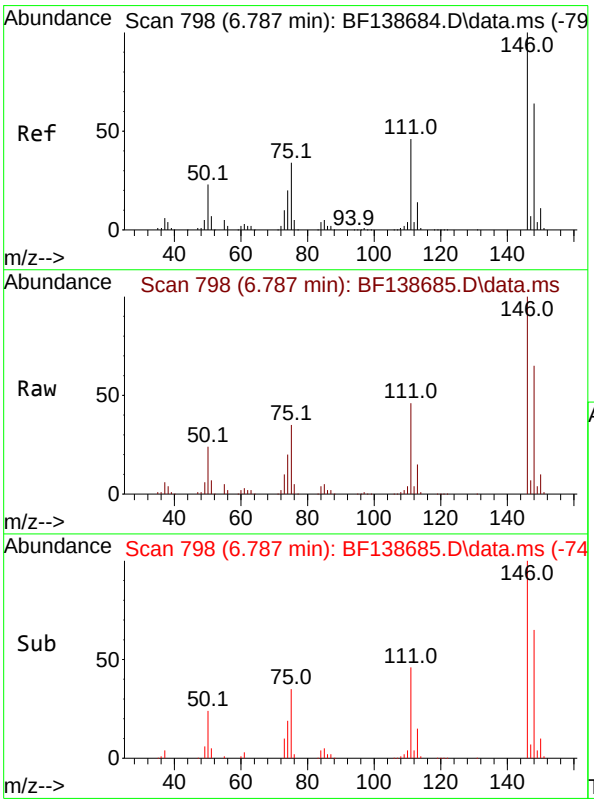
#11
bis(2-Chloroethyl)ether
Concen: 47.838 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 252329

Ion	Ratio	Lower	Upper
93	100		
63	85.4	65.3	105.3
95	31.5	12.4	52.4

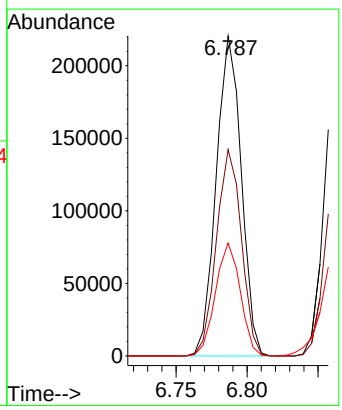


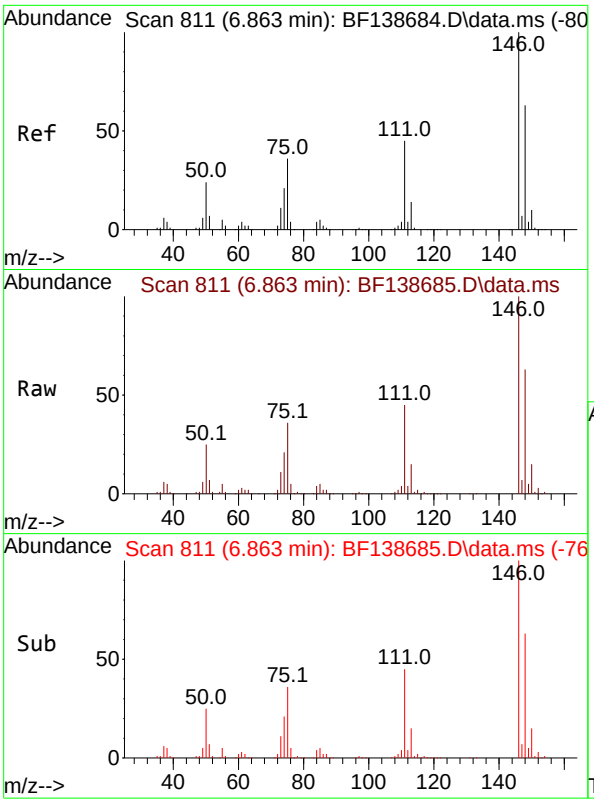


#12
1,3-Dichlorobenzene
Concen: 47.346 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:146 Resp: 270376

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
75	35.3	27.4	41.2



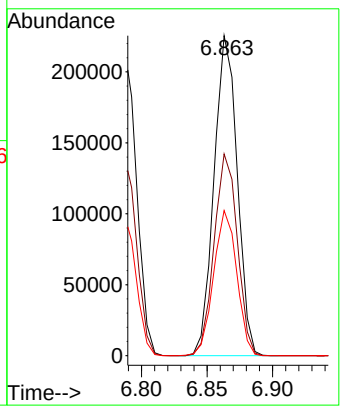


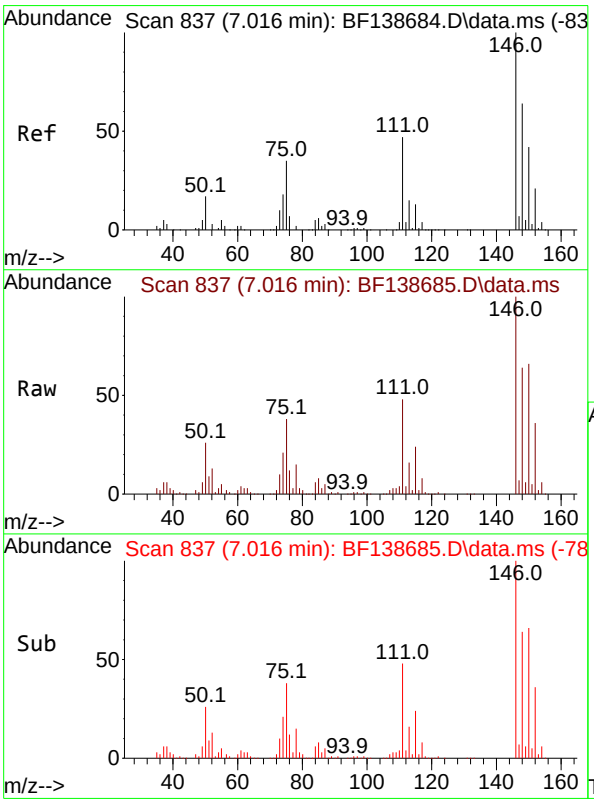
#13
1,4-Dichlorobenzene
Concen: 48.130 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 277374

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.2
111	45.4	35.9	53.9

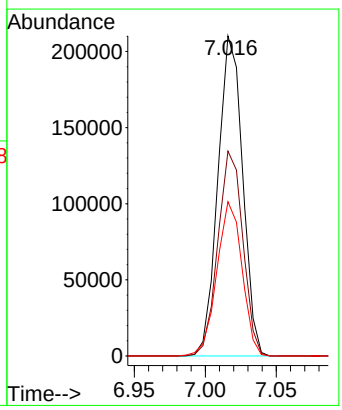


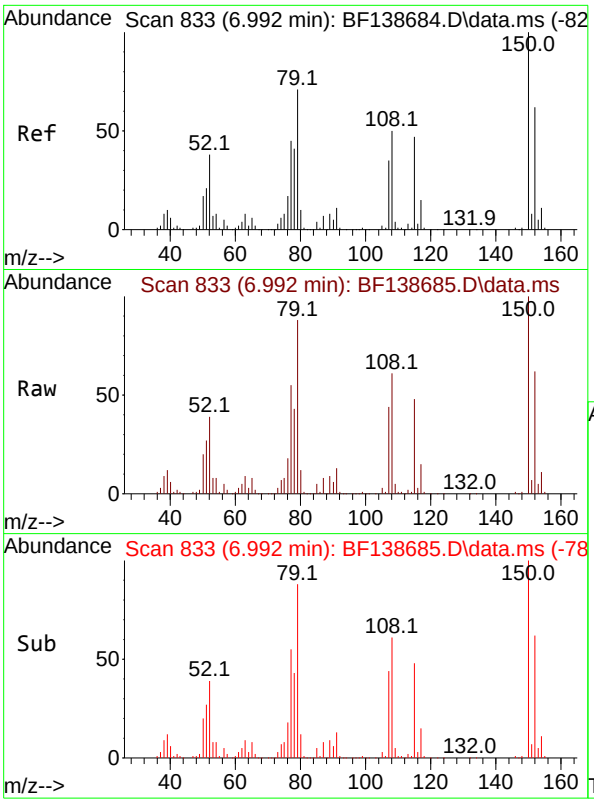


#14
1,2-Dichlorobenzene
Concen: 47.188 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:146 Resp: 254151

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	48.2	37.4	56.2



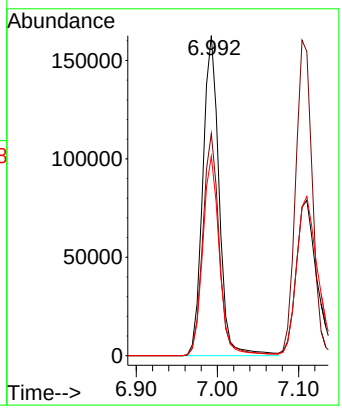


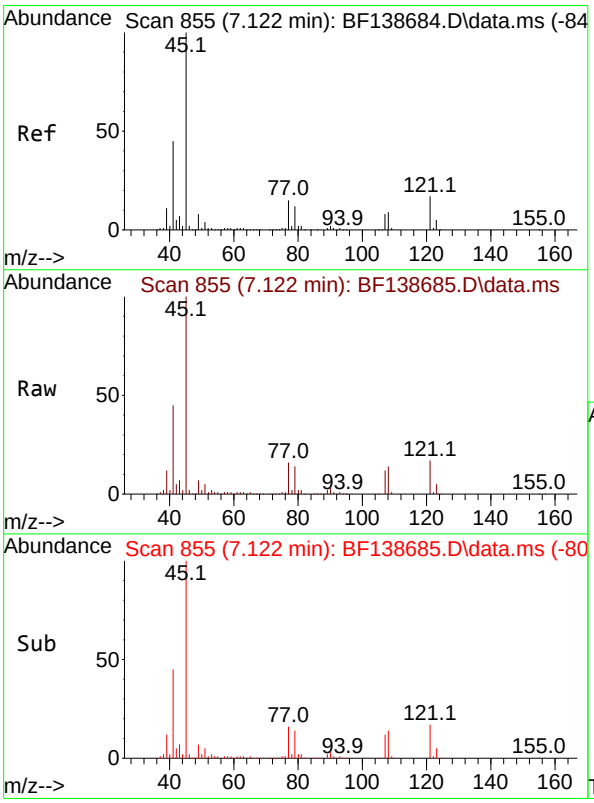
#15
Benzyl Alcohol
Concen: 48.392 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 227061

Ion	Ratio	Lower	Upper
79	100		
108	69.4	56.6	85.0
77	62.3	50.3	75.5

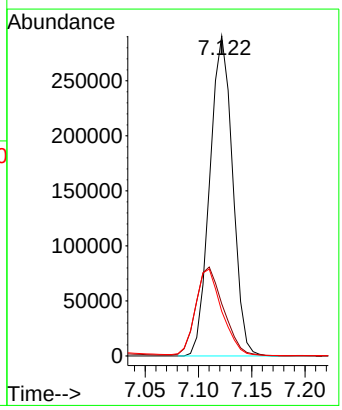


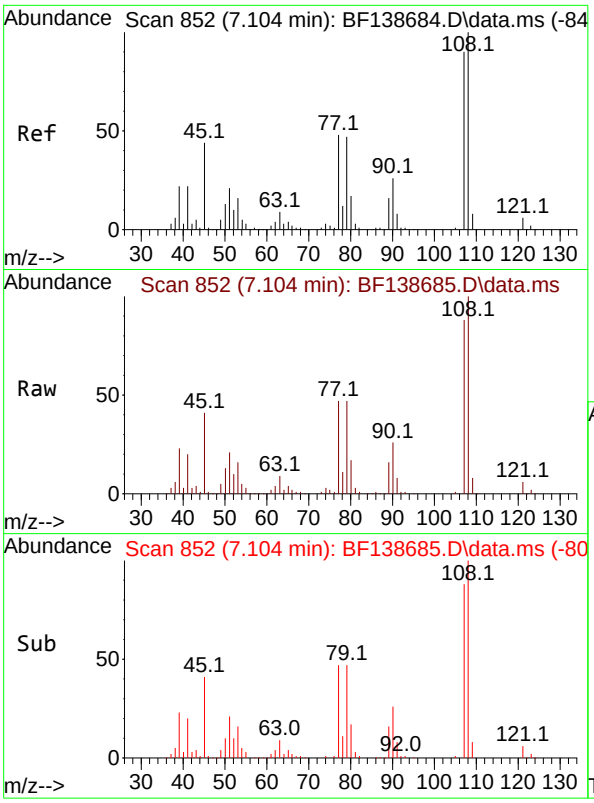


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.646 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 45 Resp: 432504

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	34.9
79	13.9	0.0	32.2



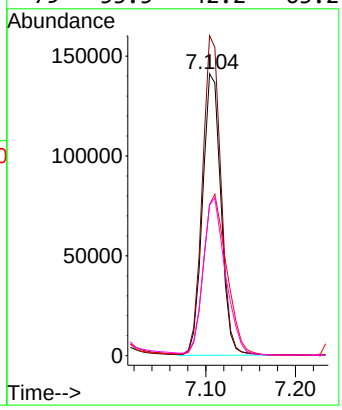


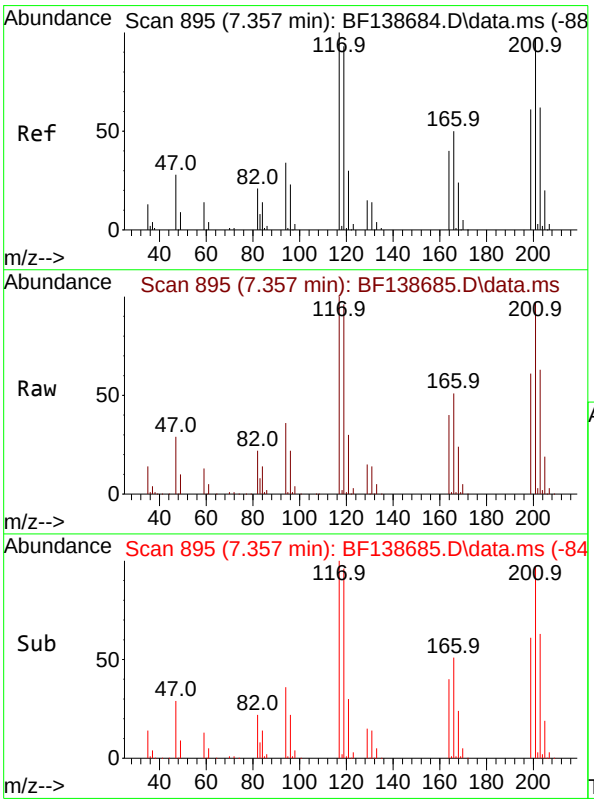
#17
2-Methylphenol
Concen: 47.638 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 200680

Ion	Ratio	Lower	Upper
107	100		
108	113.5	89.2	133.8
77	53.6	43.0	64.4
79	53.5	42.2	63.2

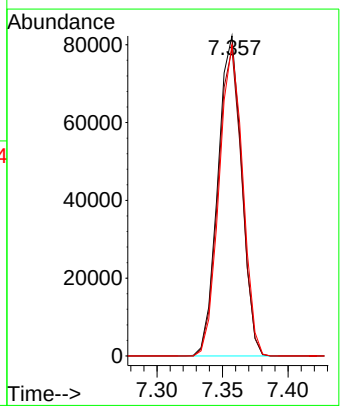


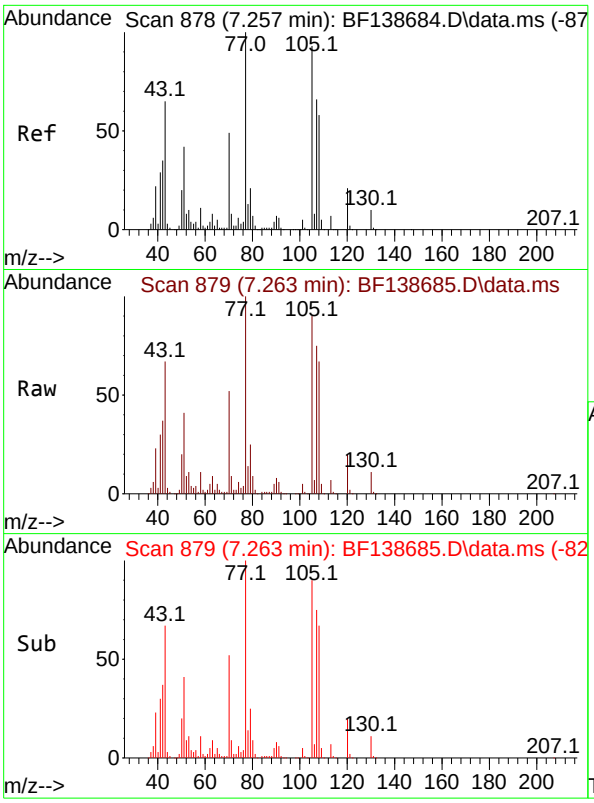


#18
Hexachloroethane
Concen: 47.780 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:117 Resp: 103651

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.6	111.8
201	97.3	77.2	115.8



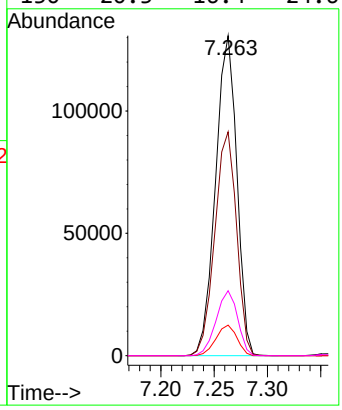


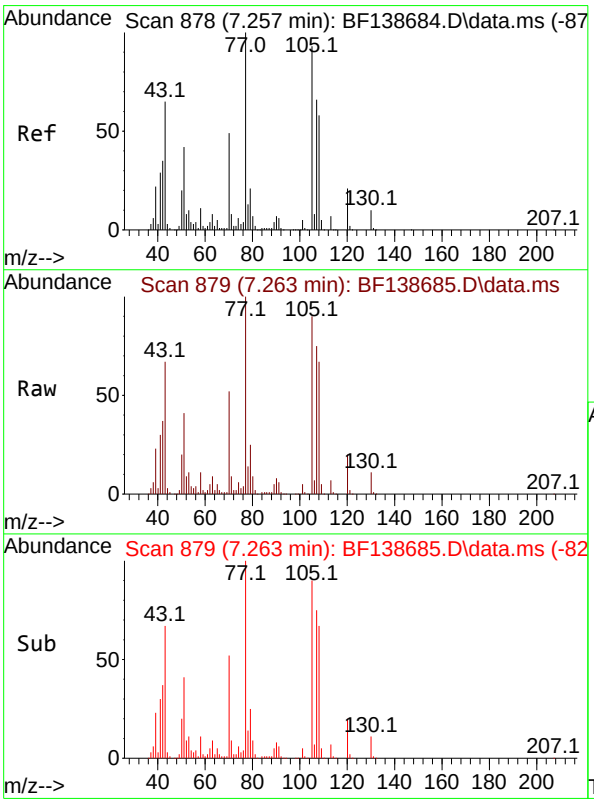
#19
n-Nitroso-di-n-propylamine
Concen: 46.154 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 181478

Ion	Ratio	Lower	Upper
70	100		
42	69.9	57.4	86.0
101	9.6	7.5	11.3
130	20.3	16.4	24.6

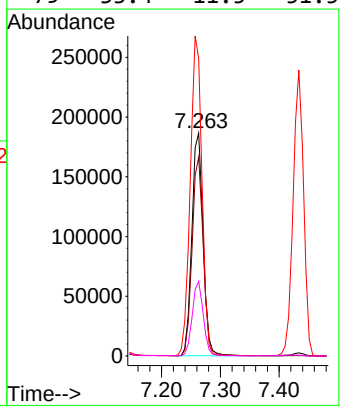


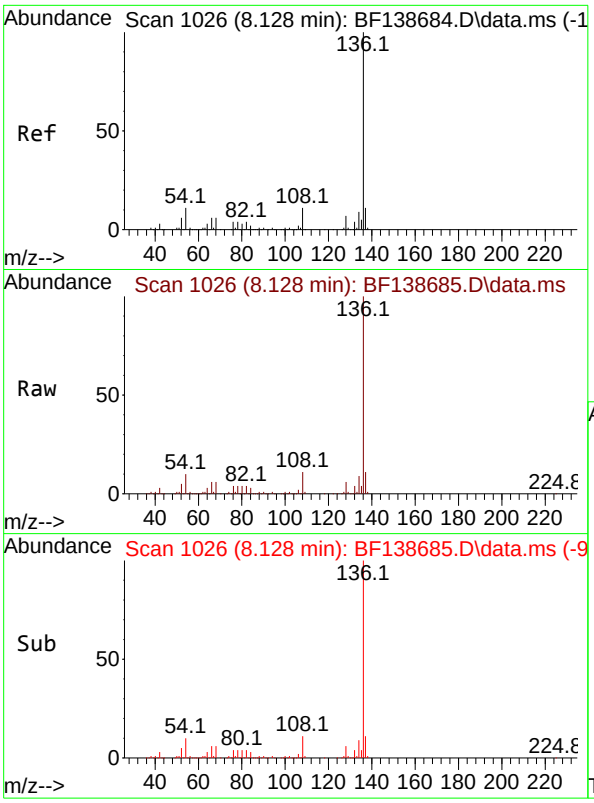


#20
3+4-Methylphenols
Concen: 45.970 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:107 Resp: 248467

Ion	Ratio	Lower	Upper
107	100		
108	89.3	68.2	108.2
77	133.6	132.1	172.1
79	33.4	11.5	51.5



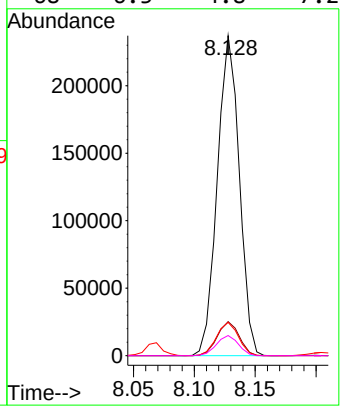


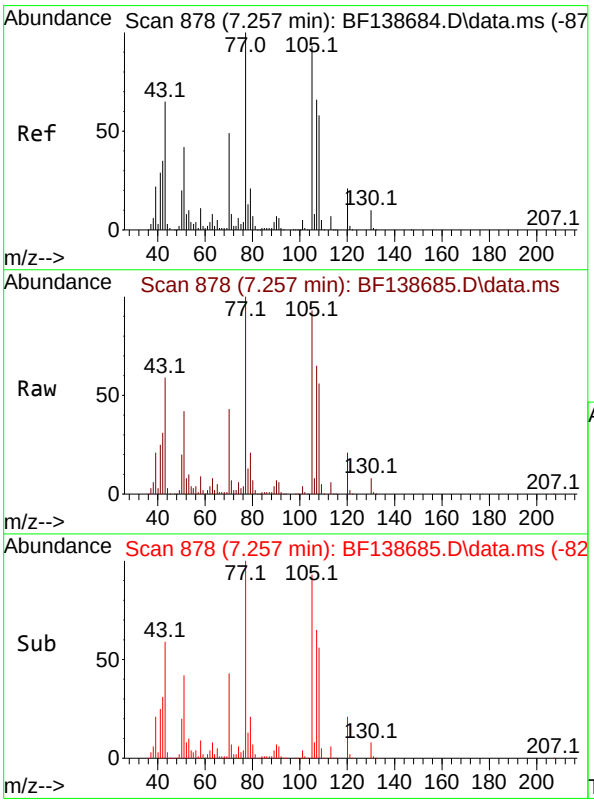
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 297858

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.4	8.6	12.8
68	6.3	4.8	7.2

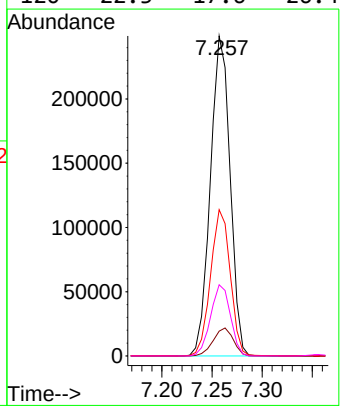


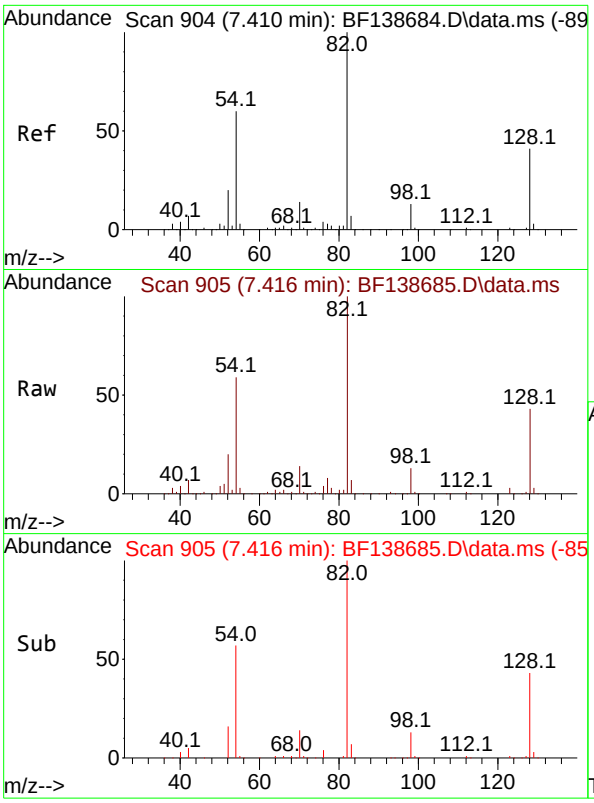


#22
Acetophenone
Concen: 46.663 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:105 Resp: 340314

Ion	Ratio	Lower	Upper
105	100		
71	7.7	7.2	10.8
51	45.7	35.9	53.9
120	22.3	17.6	26.4



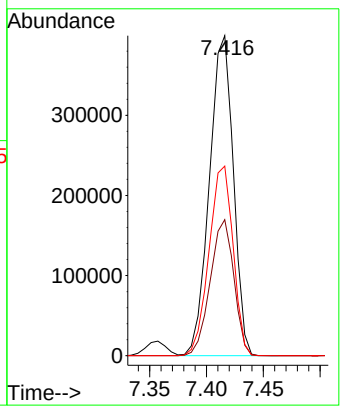


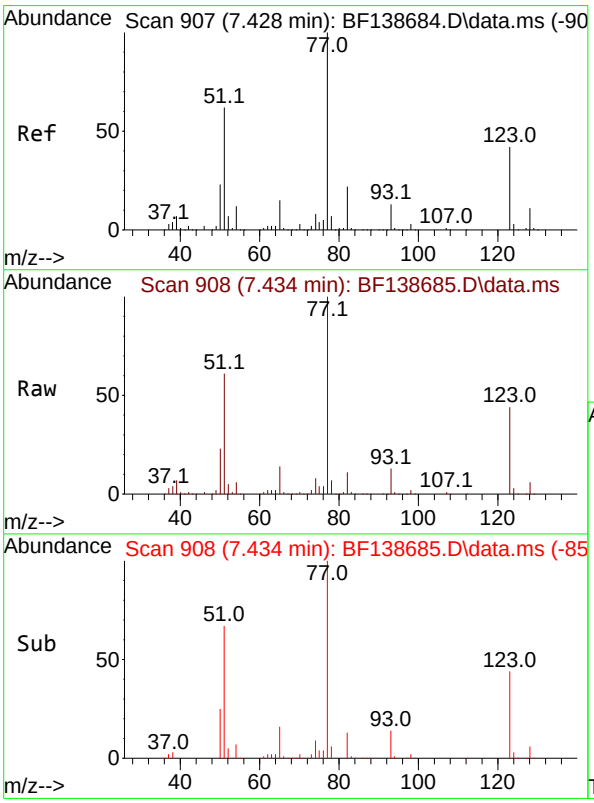
#23
Nitrobenzene-d5
Concen: 96.067 ng
RT: 7.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 585266

Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.8	49.2
54	59.3	48.3	72.5

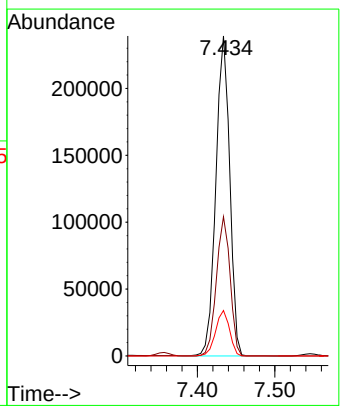


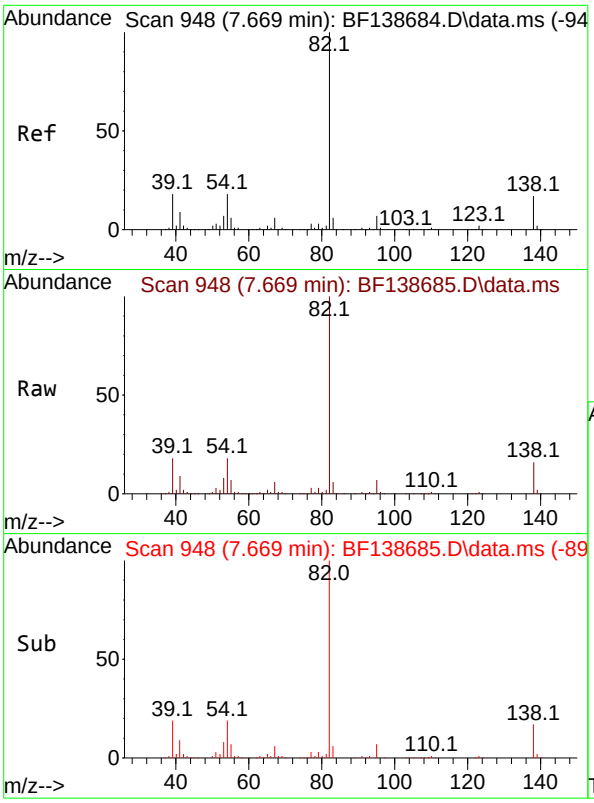


#24
Nitrobenzene
Concen: 48.005 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 77 Resp: 297595

Ion	Ratio	Lower	Upper
77	100		
123	43.5	33.3	49.9
65	14.2	11.9	17.9



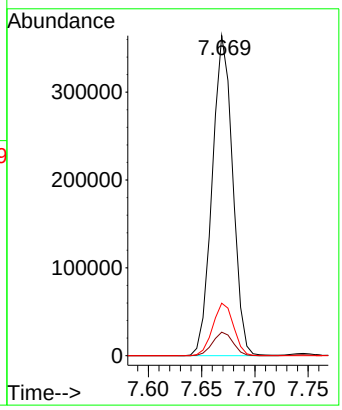


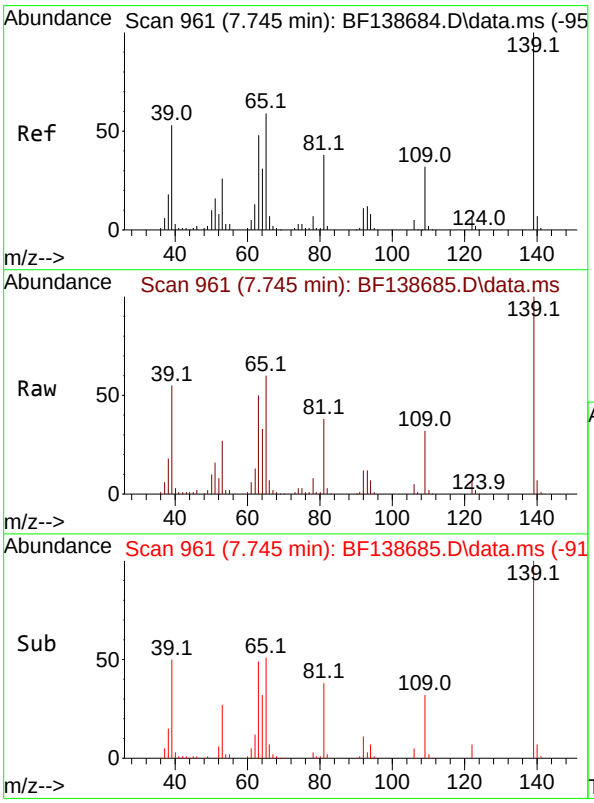
#25
Isophorone
Concen: 46.876 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 487636

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	16.4	13.7	20.5

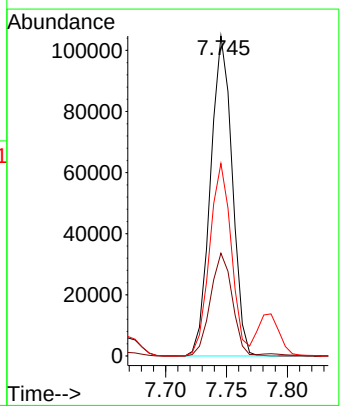


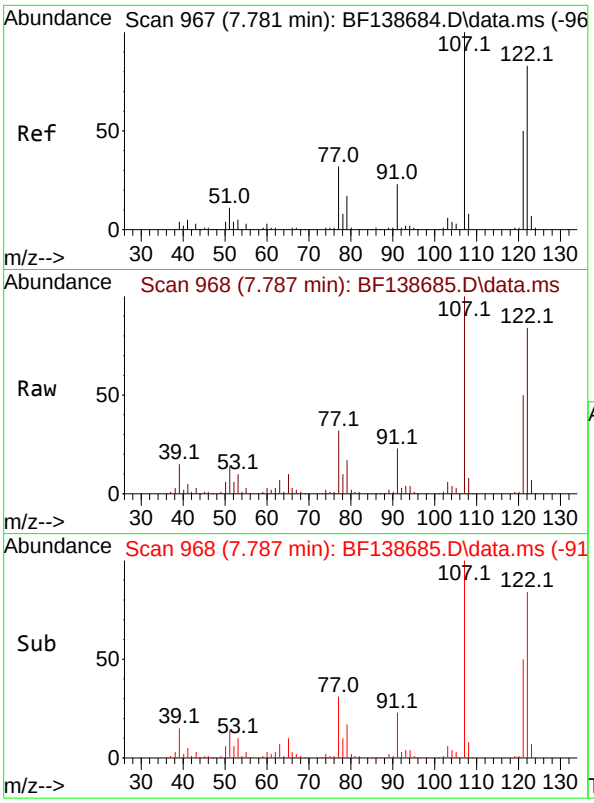


#26
2-Nitrophenol
Concen: 48.769 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:139 Resp: 130074

Ion	Ratio	Lower	Upper
139	100		
109	32.1	25.9	38.9
65	60.1	47.0	70.6



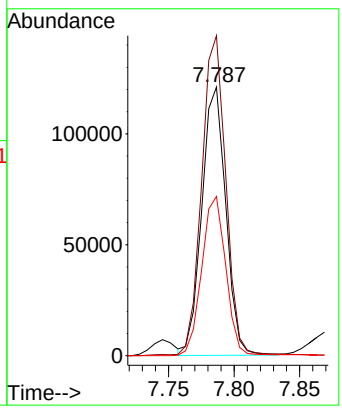


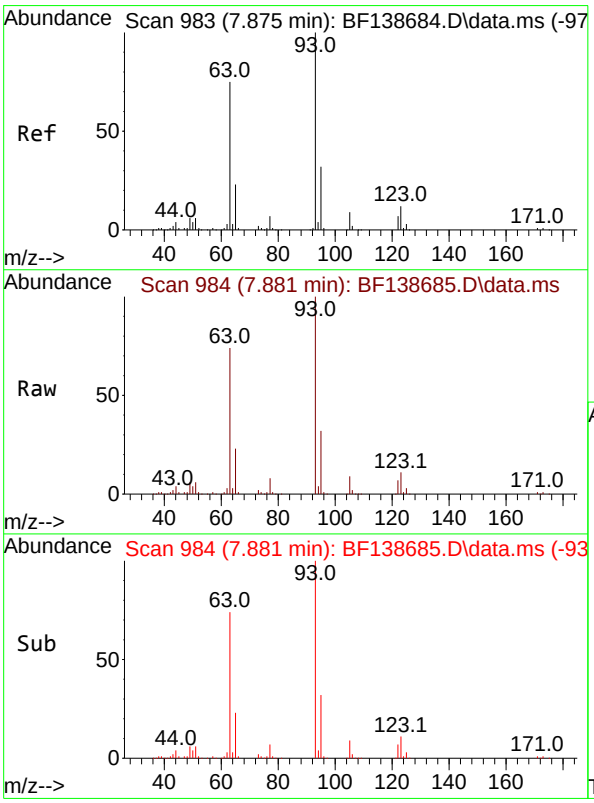
#27
2,4-Dimethylphenol
Concen: 48.328 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 154221

Ion	Ratio	Lower	Upper
122	100		
107	119.1	95.0	142.6
121	59.3	47.3	70.9

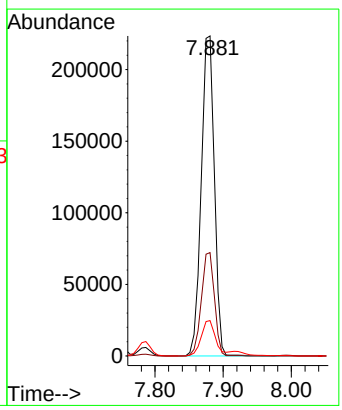


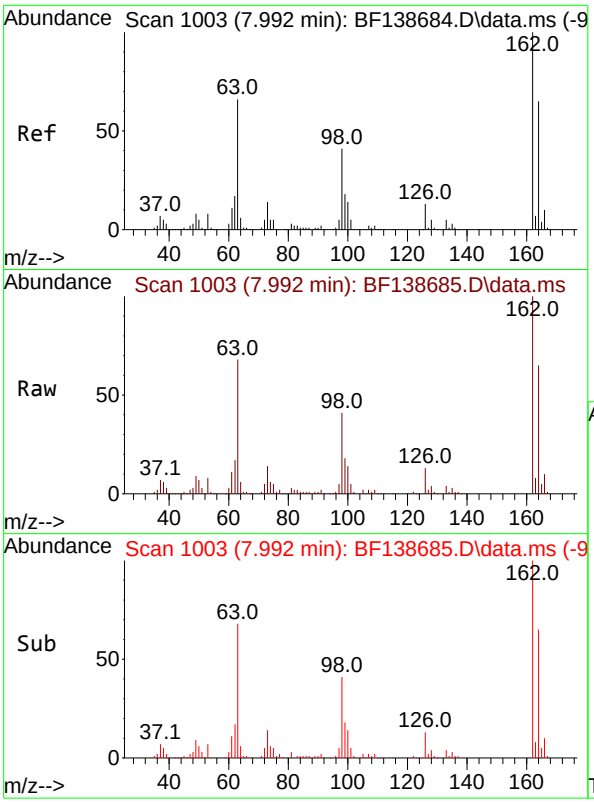


#28
bis(2-Chloroethoxy)methane
Concen: 47.308 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 93 Resp: 299695

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.1	9.4	14.0



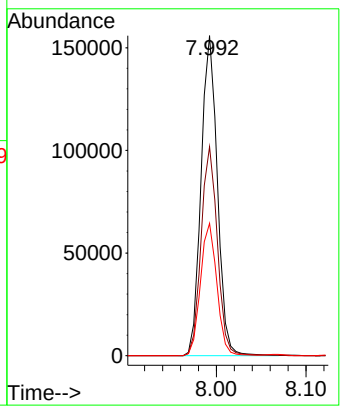


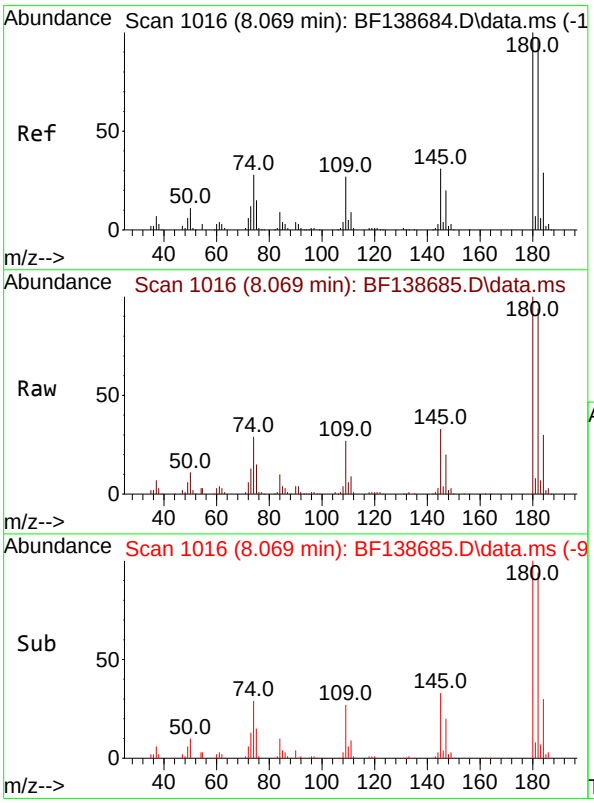
#29
2,4-Dichlorophenol
Concen: 47.954 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 196641

Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.7	84.7
98	41.4	20.8	60.8

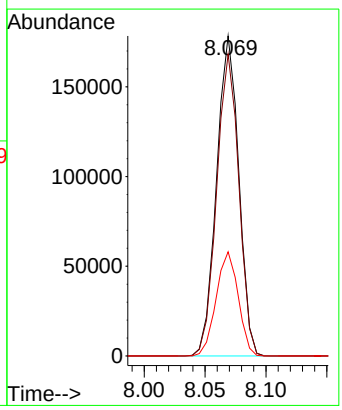


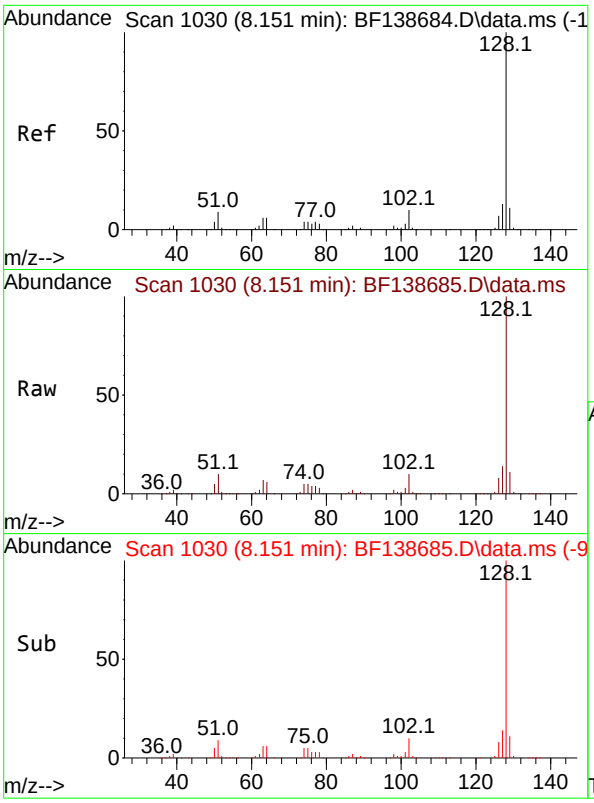


#30
1,2,4-Trichlorobenzene
Concen: 47.793 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:180 Resp: 226165

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.9	115.3
145	32.5	25.0	37.4



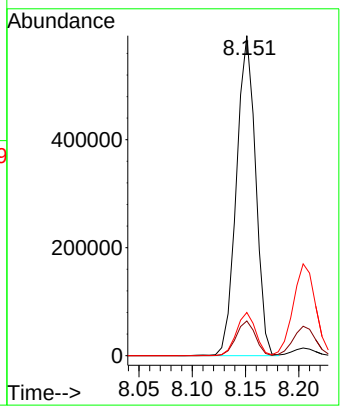


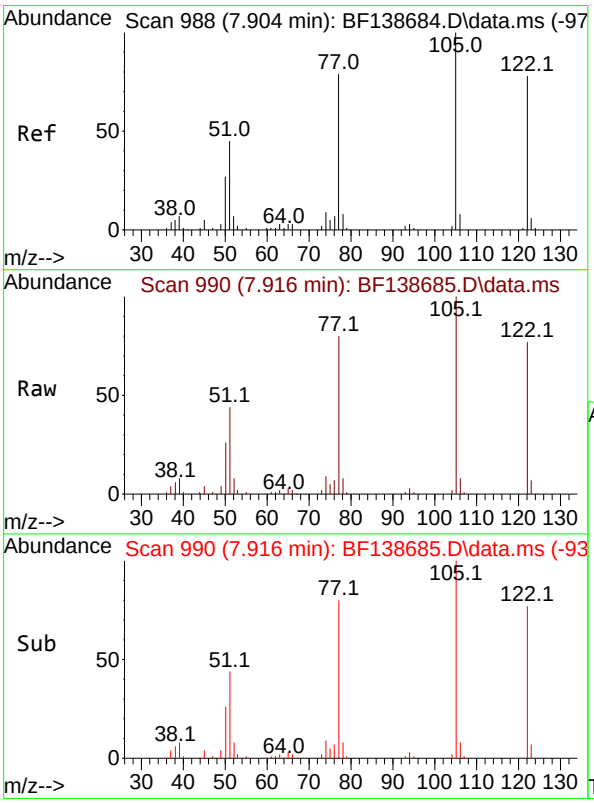
#31
Naphthalene
Concen: 47.479 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 744393

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	10.6	16.0

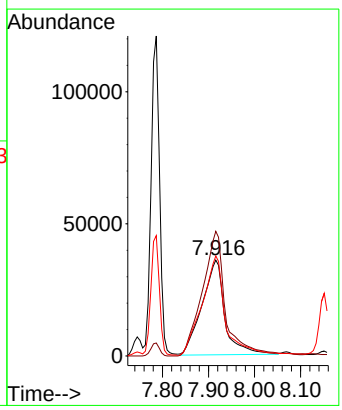


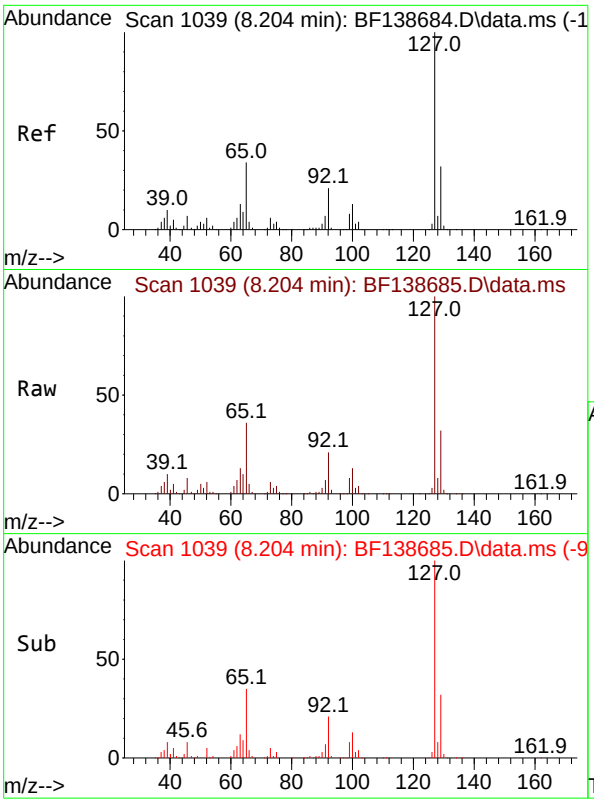


#32
Benzoic acid
Concen: 49.340 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:122 Resp: 123714

Ion	Ratio	Lower	Upper
122	100		
105	130.0	106.7	146.7
77	104.4	81.1	121.1



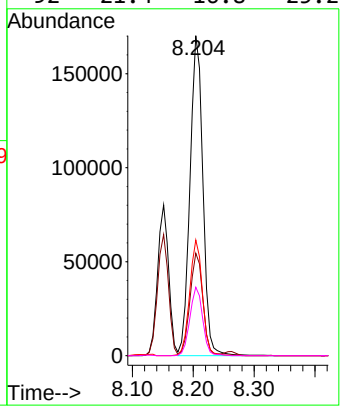


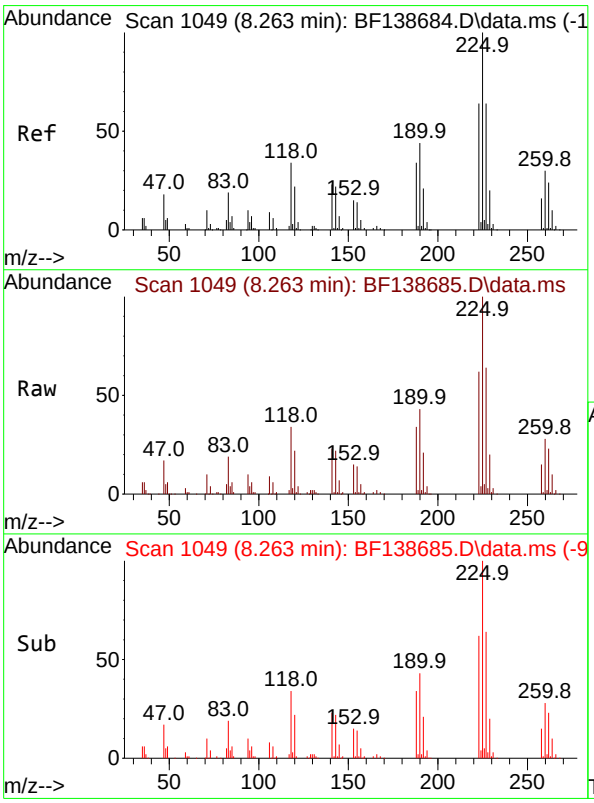
#33
4-Chloroaniline
Concen: 47.621 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 250620

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	36.2	27.6	41.4
92	21.4	16.8	25.2

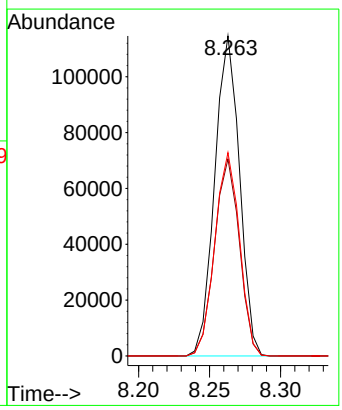


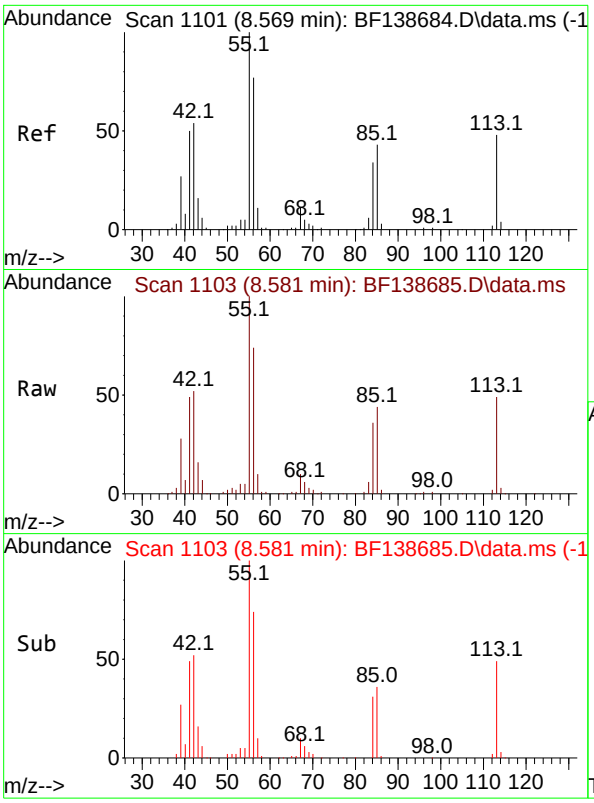


#34
Hexachlorobutadiene
Concen: 48.493 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:225 Resp: 138993

Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.2	76.8
227	63.6	51.1	76.7



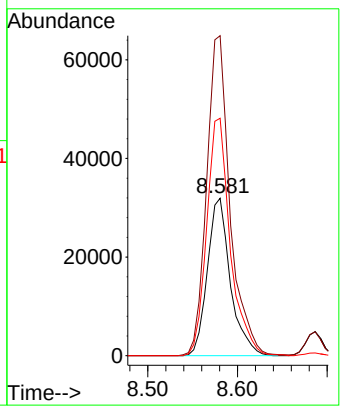


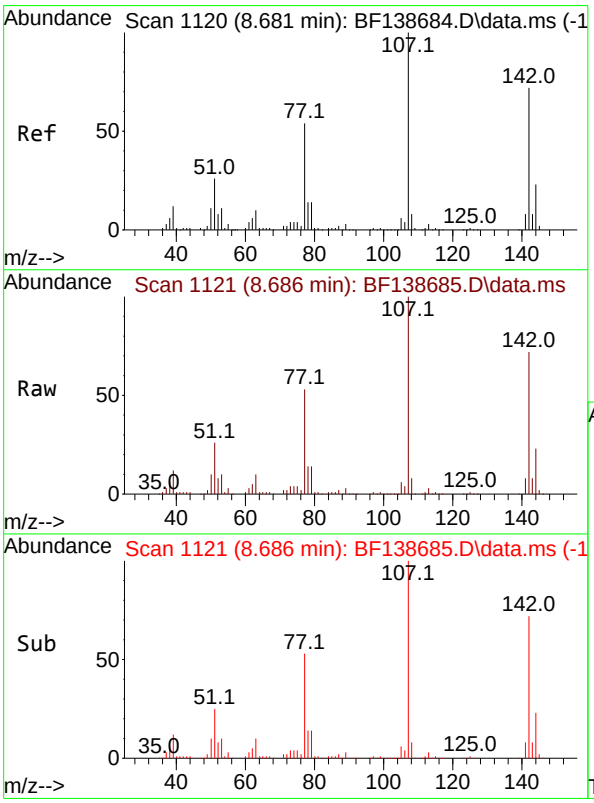
#35
Caprolactam
Concen: 46.347 ng
RT: 8.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 56708

Ion	Ratio	Lower	Upper
113	100		
55	203.2	186.7	226.7
56	150.8	138.9	178.9

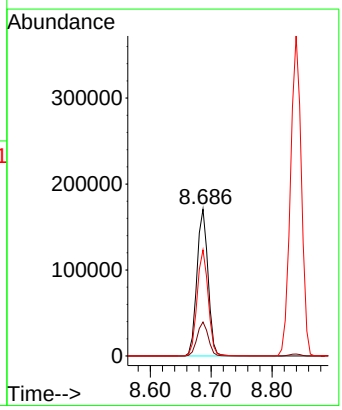


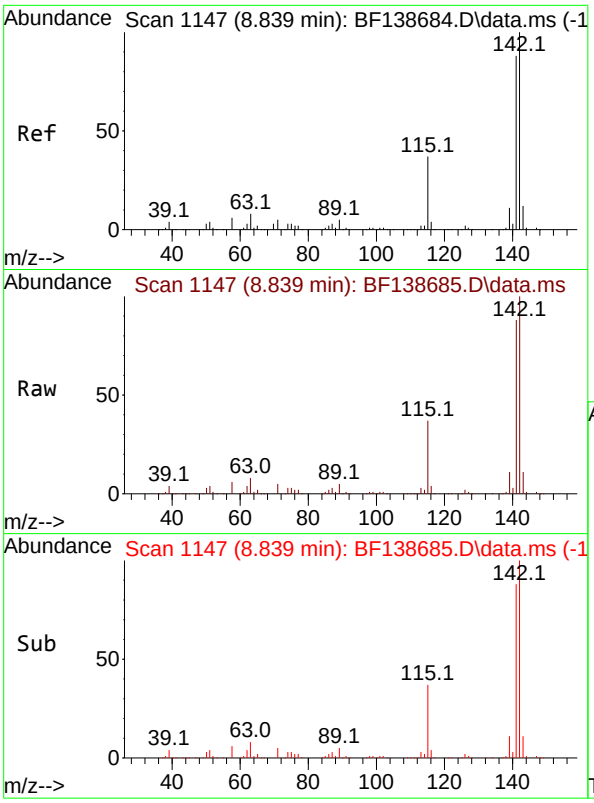


#36
4-Chloro-3-methylphenol
Concen: 46.151 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:107 Resp: 216280

Ion	Ratio	Lower	Upper
107	100		
144	23.2	18.2	27.2
142	72.3	57.4	86.2



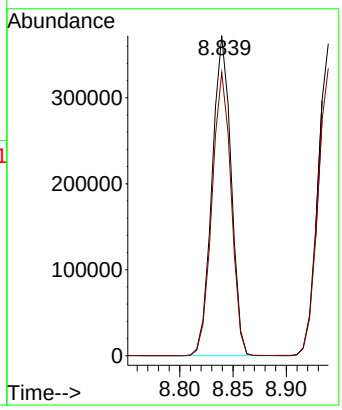


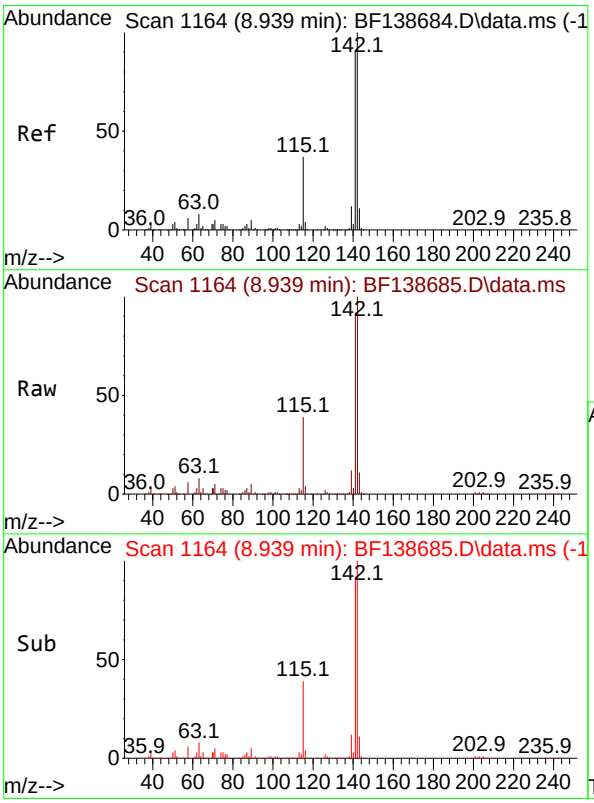
#37
2-Methylnaphthalene
Concen: 46.570 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 461125

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

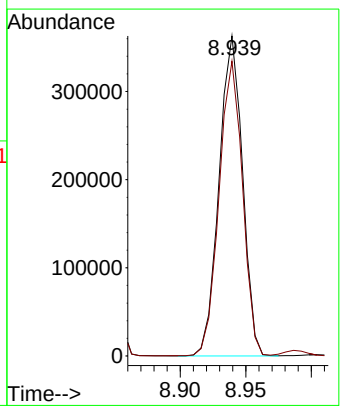


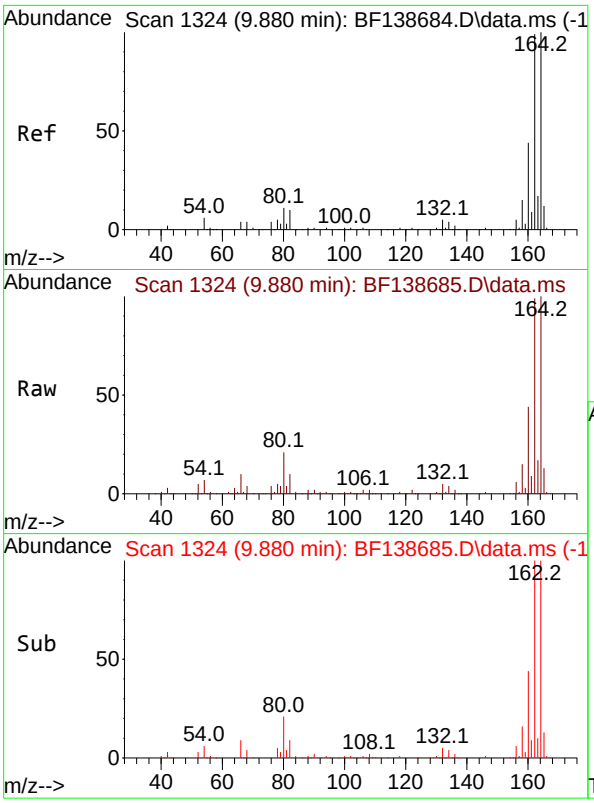


#38
1-Methylnaphthalene
Concen: 46.476 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:142 Resp: 450948

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7



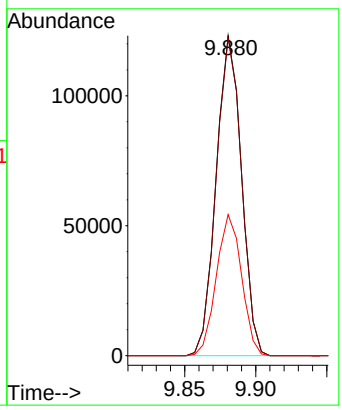


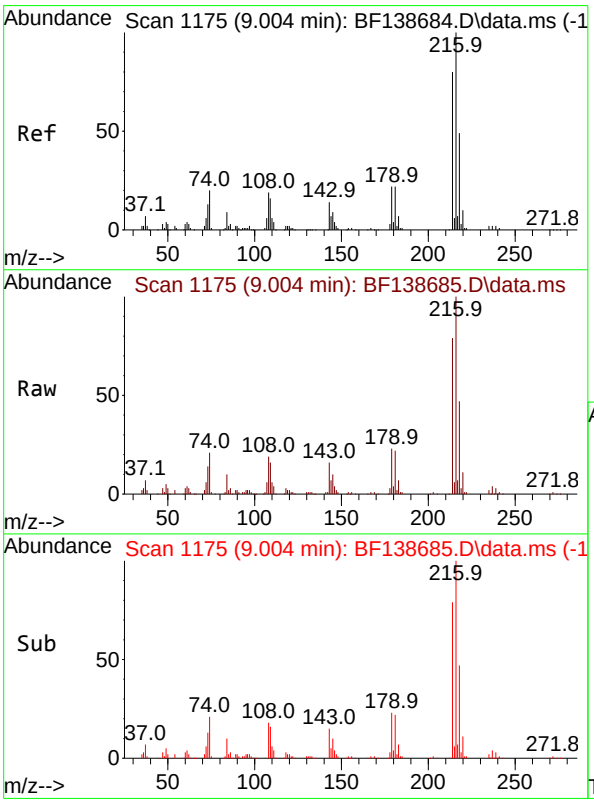
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 152426

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	44.1	35.1	52.7

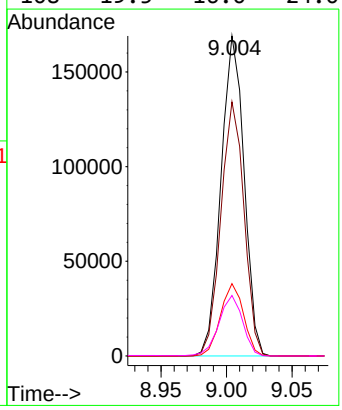


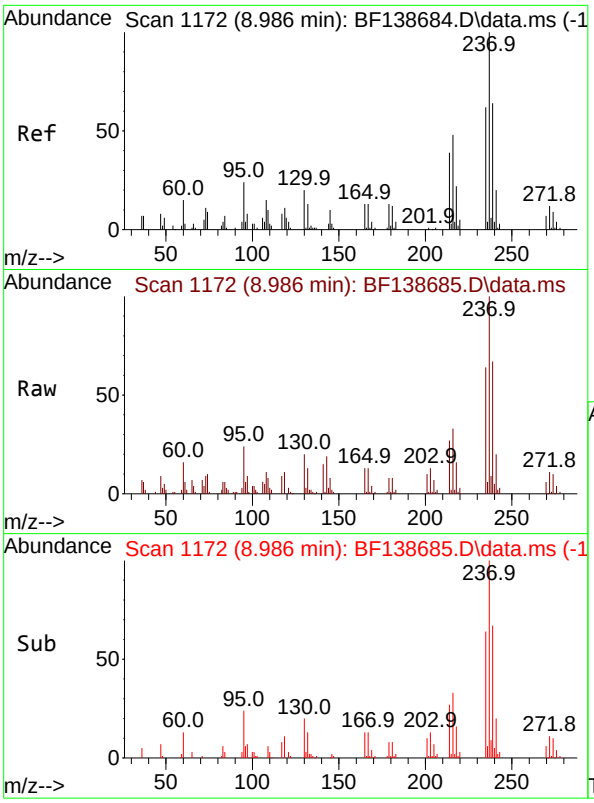


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.789 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:216 Resp: 206585

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.9	95.9
179	22.5	17.8	26.6
108	19.5	16.0	24.0



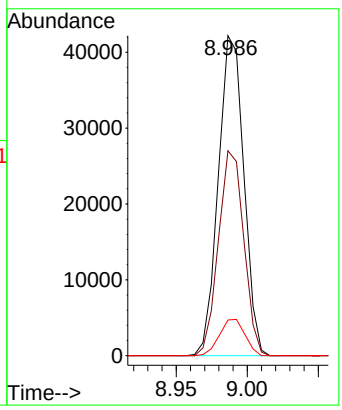


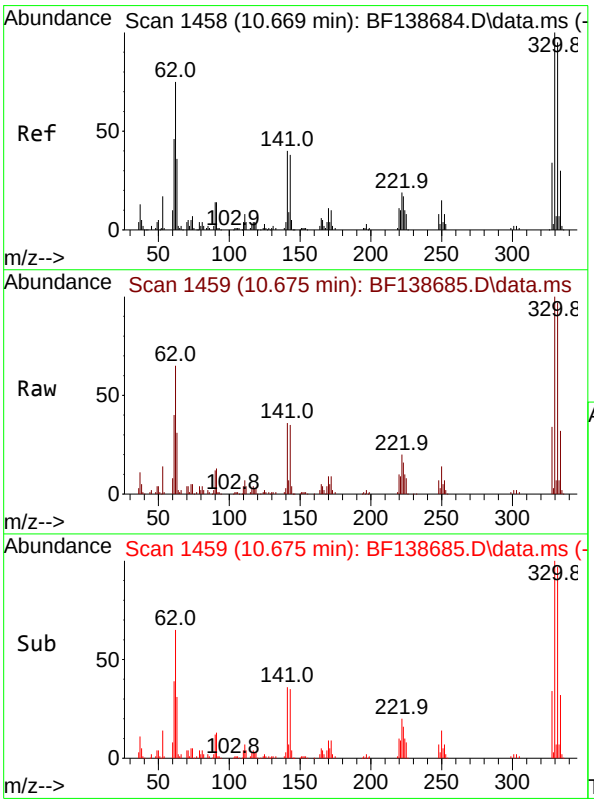
#41
Hexachlorocyclopentadiene
Concen: 49.894 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 52700

Ion	Ratio	Lower	Upper
237	100		
235	64.1	41.8	81.8
272	11.1	0.0	32.2

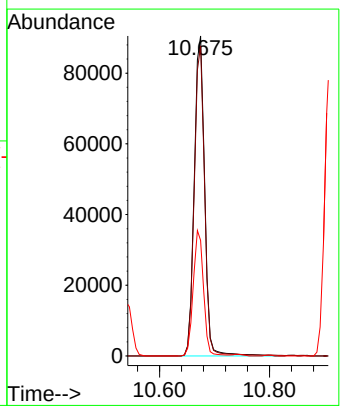


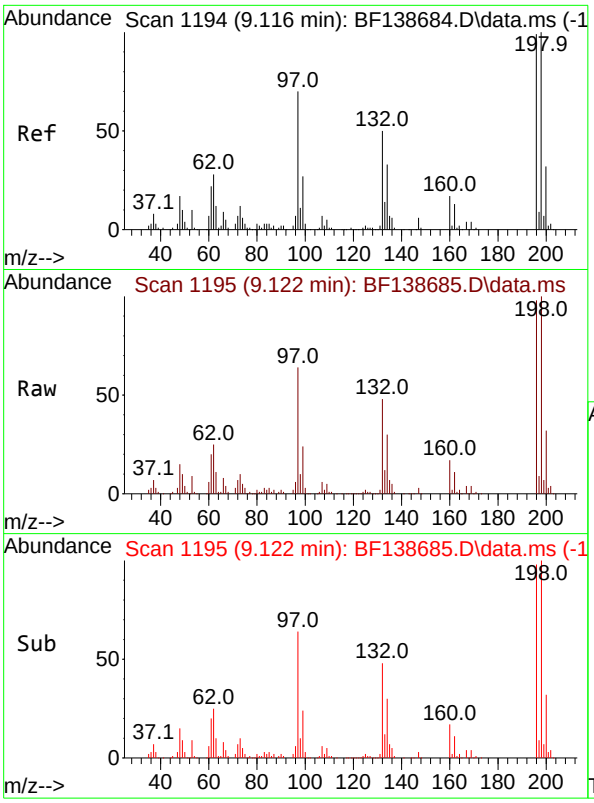


#42
2,4,6-Tribromophenol
Concen: 95.358 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:330 Resp: 119062

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.4	114.6
141	38.7	31.1	46.7



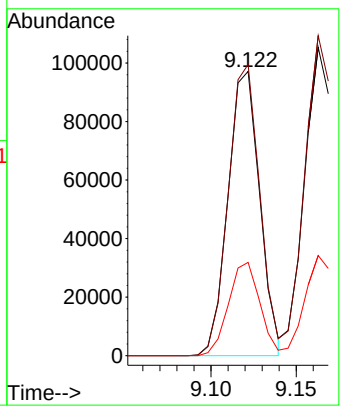


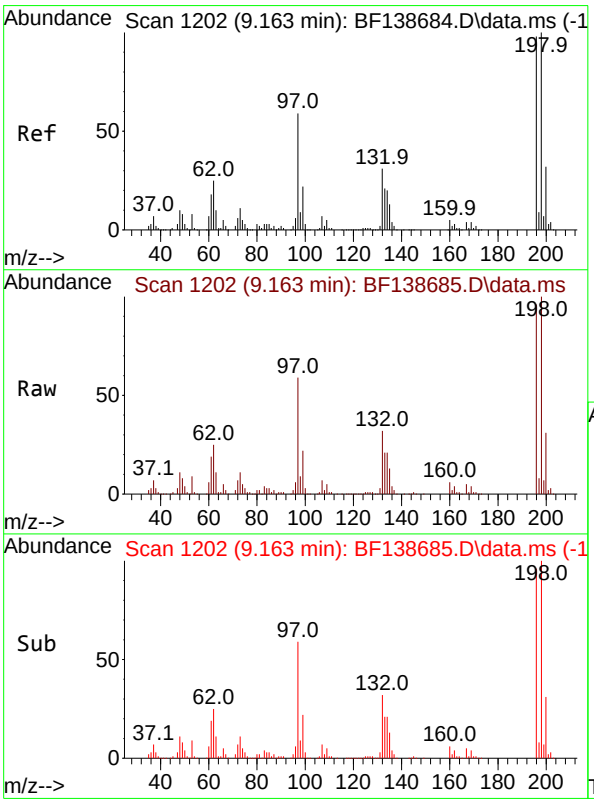
#43
2,4,6-Trichlorophenol
Concen: 48.741 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 125832

Ion	Ratio	Lower	Upper
196	100		
198	102.4	80.5	120.7
200	32.8	25.9	38.9

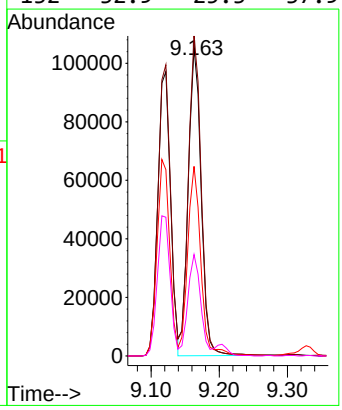


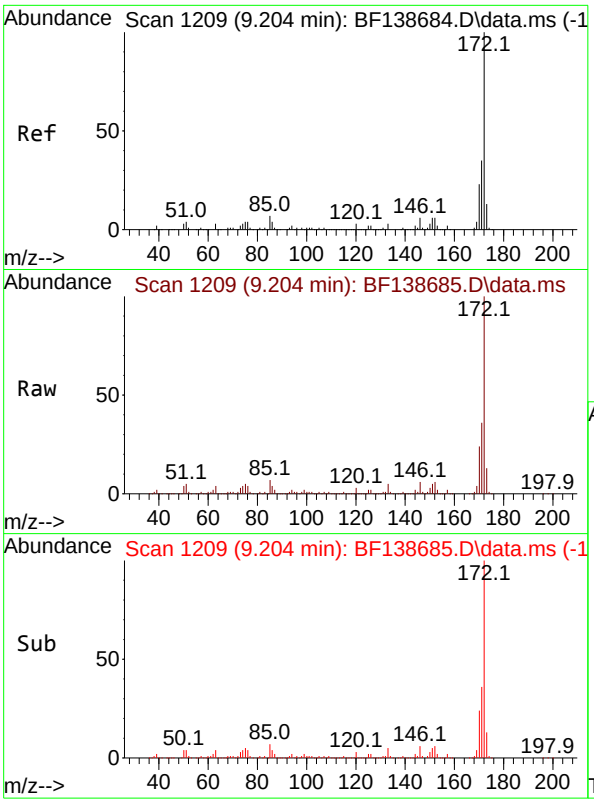


#44
2,4,5-Trichlorophenol
Concen: 48.726 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:196 Resp: 137518

Ion	Ratio	Lower	Upper
196	100		
198	103.8	81.2	121.8
97	61.5	47.8	71.6
132	32.9	25.3	37.9



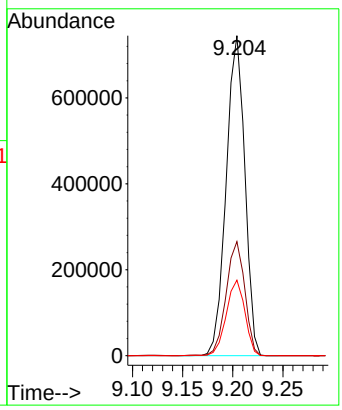


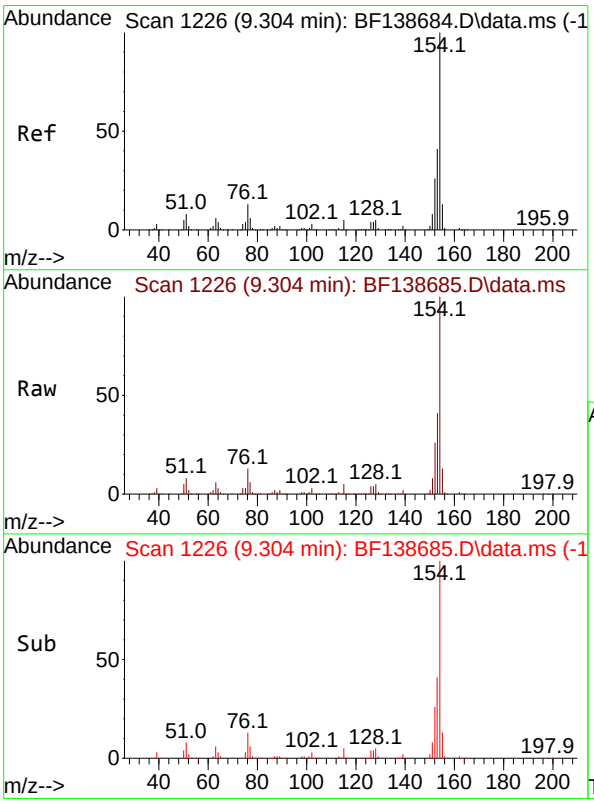
#45
2-Fluorobiphenyl
Concen: 94.693 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 960645

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.6	18.8	28.2

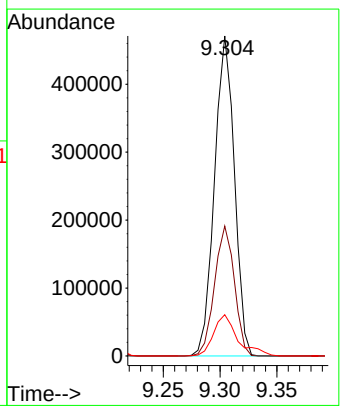


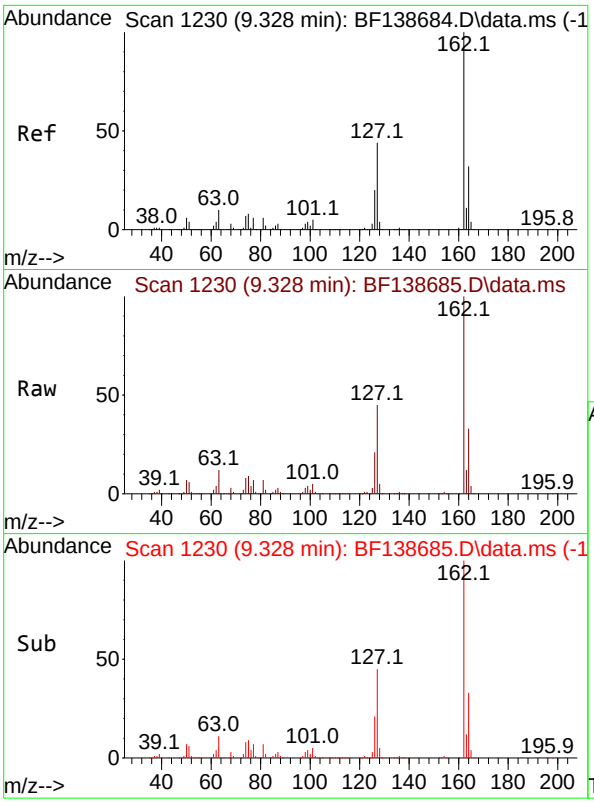


#46
1,1'-Biphenyl
Concen: 48.107 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:154 Resp: 574292

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.8	60.8
76	12.9	0.0	32.8



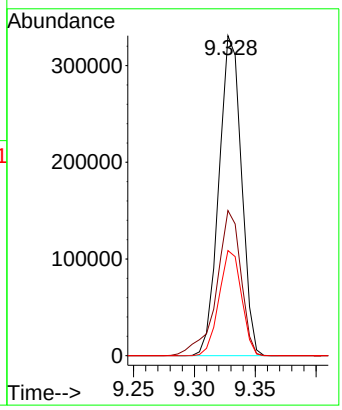


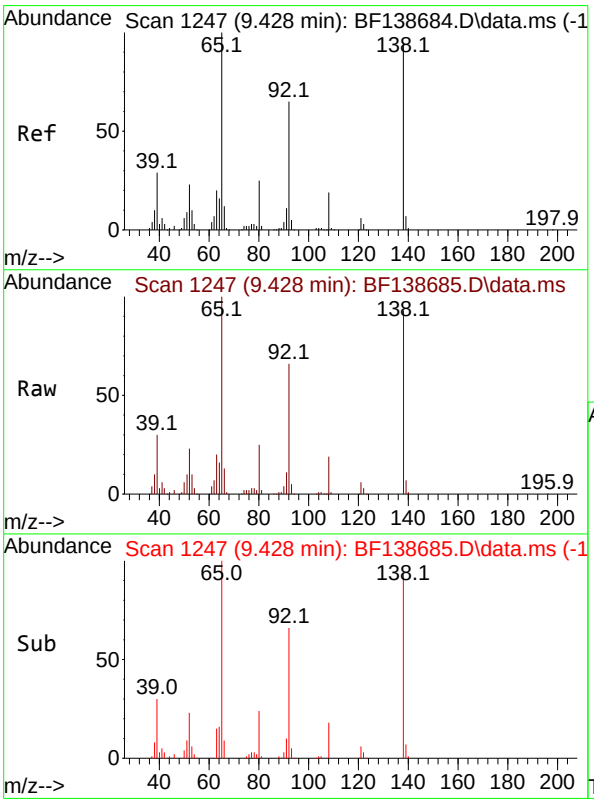
#47
2-Chloronaphthalene
Concen: 48.011 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 426264

Ion	Ratio	Lower	Upper
162	100		
127	45.4	35.4	53.2
164	32.9	25.6	38.4

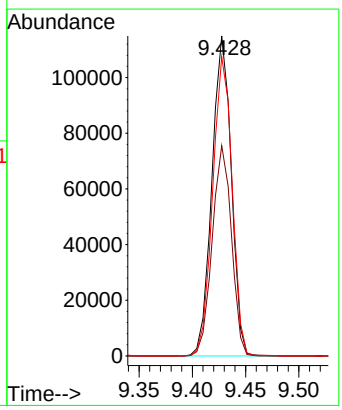


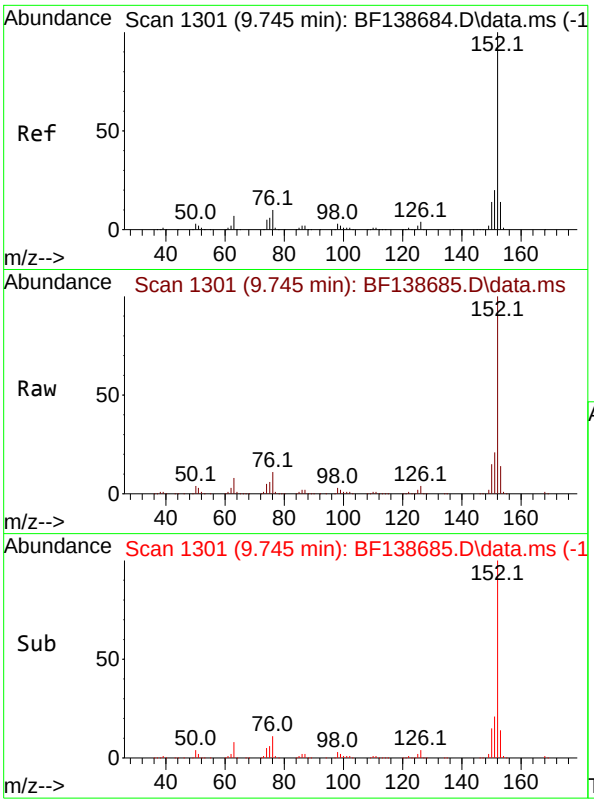


#48
2-Nitroaniline
Concen: 48.087 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 65 Resp: 144739

Ion	Ratio	Lower	Upper
65	100		
92	65.7	52.0	78.0
138	93.5	76.2	114.4



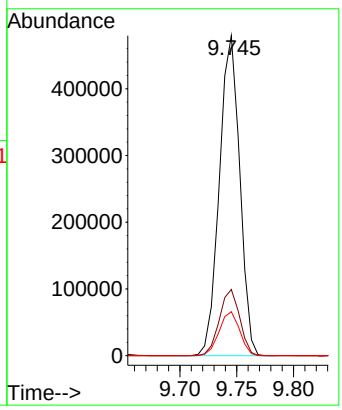


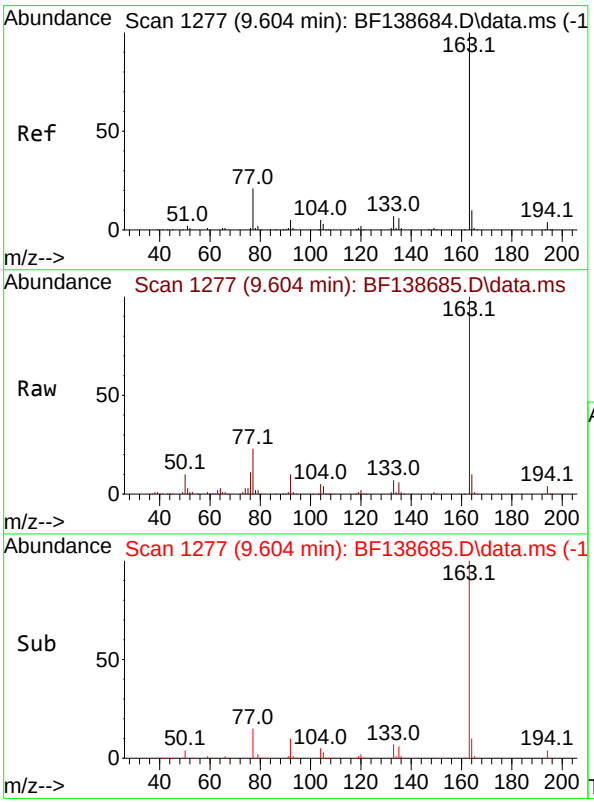
#49
Acenaphthylene
Concen: 47.605 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 599464

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	13.8	11.0	16.4

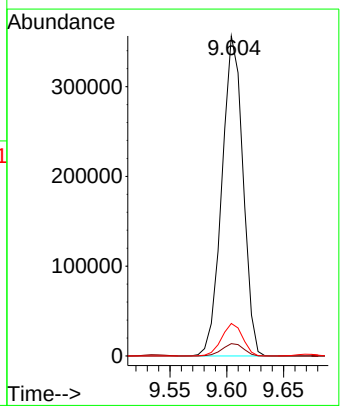


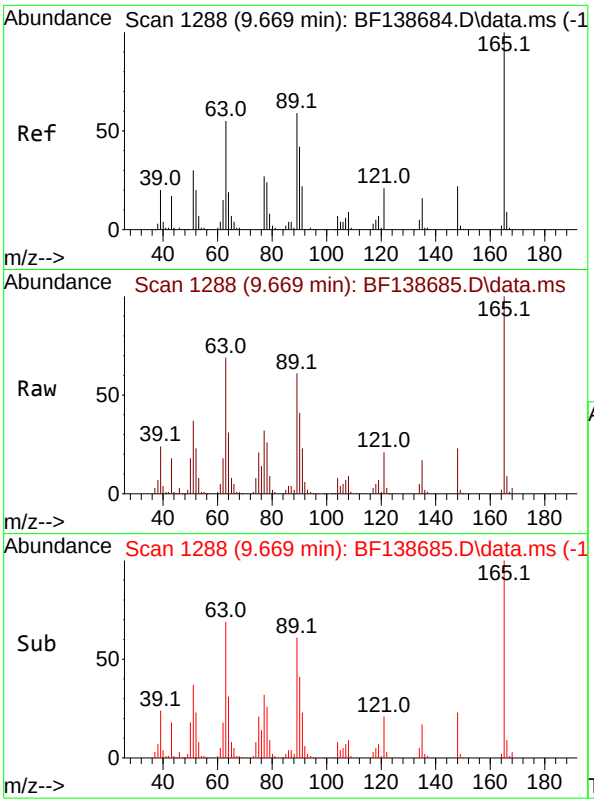


#50
Dimethylphthalate
Concen: 47.244 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:163 Resp: 460459

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.2	7.8	11.8



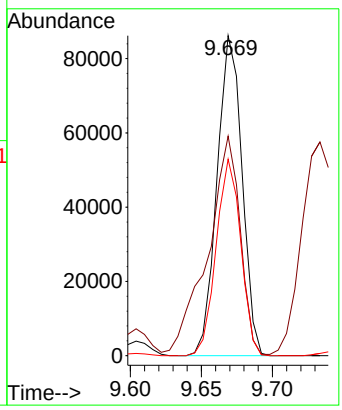


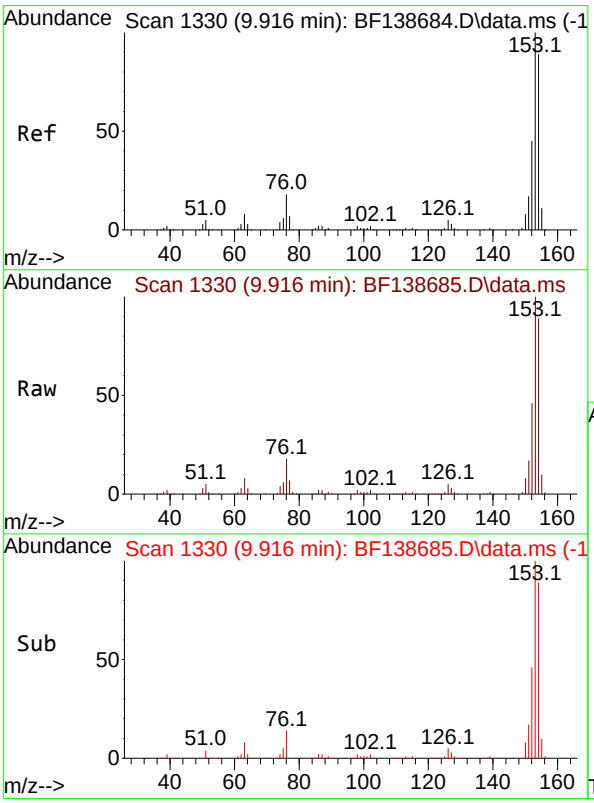
#51
2,6-Dinitrotoluene
Concen: 47.956 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 105483

Ion	Ratio	Lower	Upper
165	100		
63	68.6	52.0	78.0
89	61.4	47.0	70.6

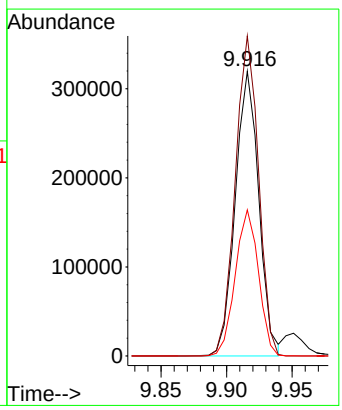


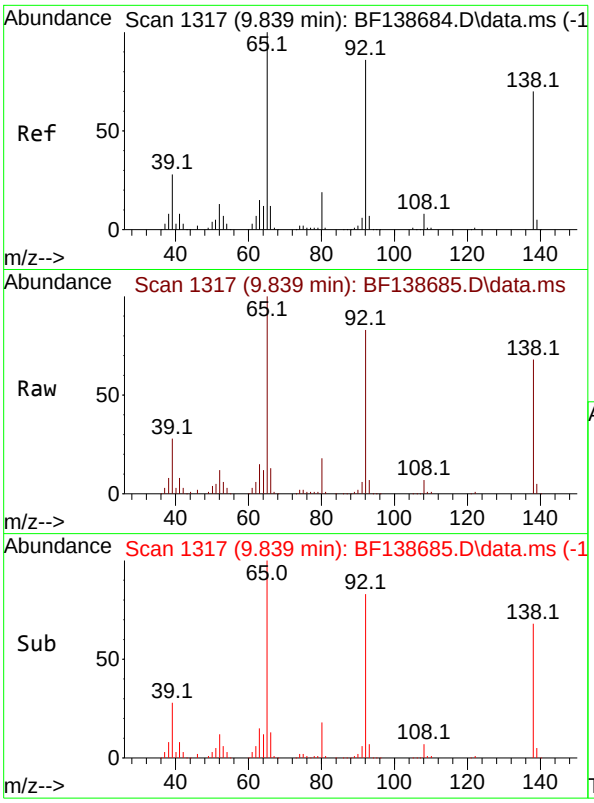


#52
Acenaphthene
Concen: 47.208 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:154 Resp: 399608

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.9	134.9
152	51.3	40.6	60.8



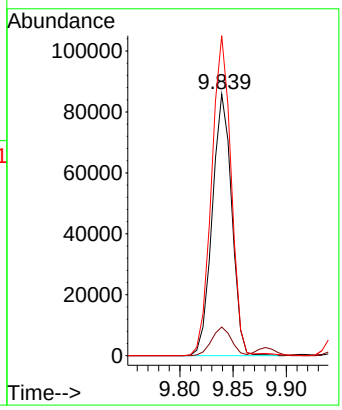


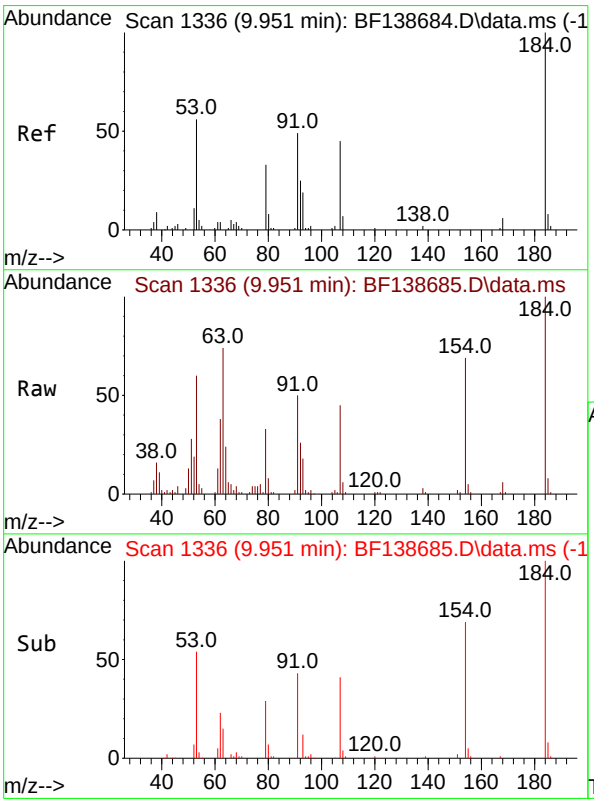
#53
3-Nitroaniline
Concen: 47.915 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 108951

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.1	13.7
92	122.3	98.7	148.1

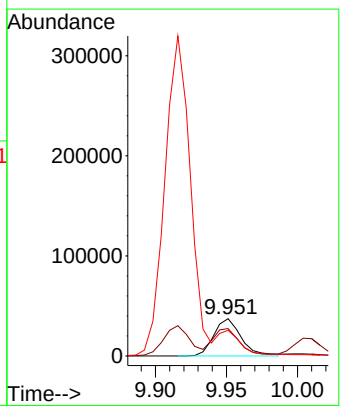


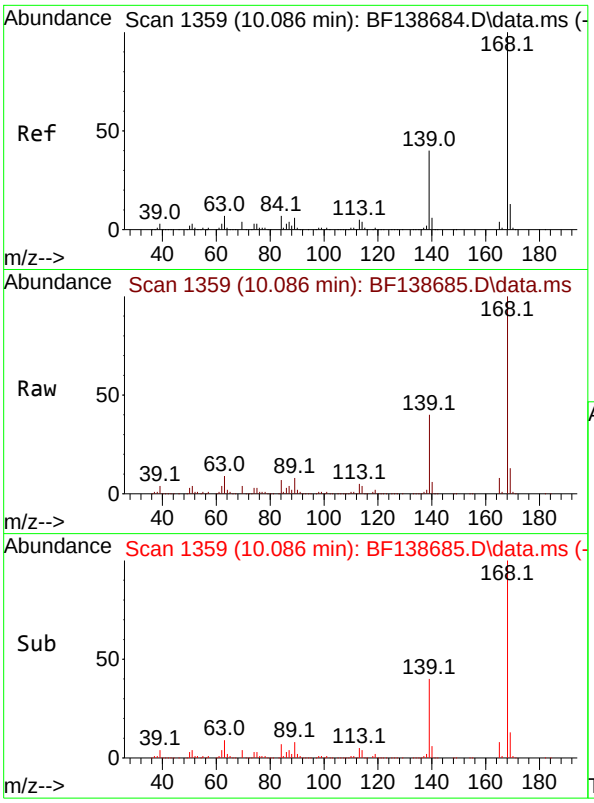


#54
2,4-Dinitrophenol
Concen: 49.361 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:184 Resp: 49980

Ion	Ratio	Lower	Upper
184	100		
63	73.5	57.5	86.3
154	68.7	51.7	77.5



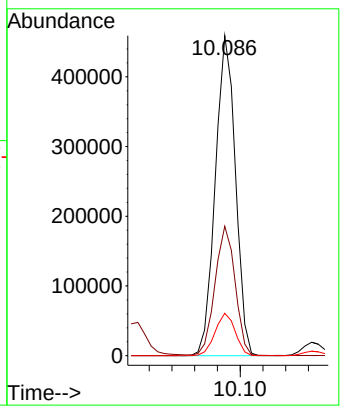


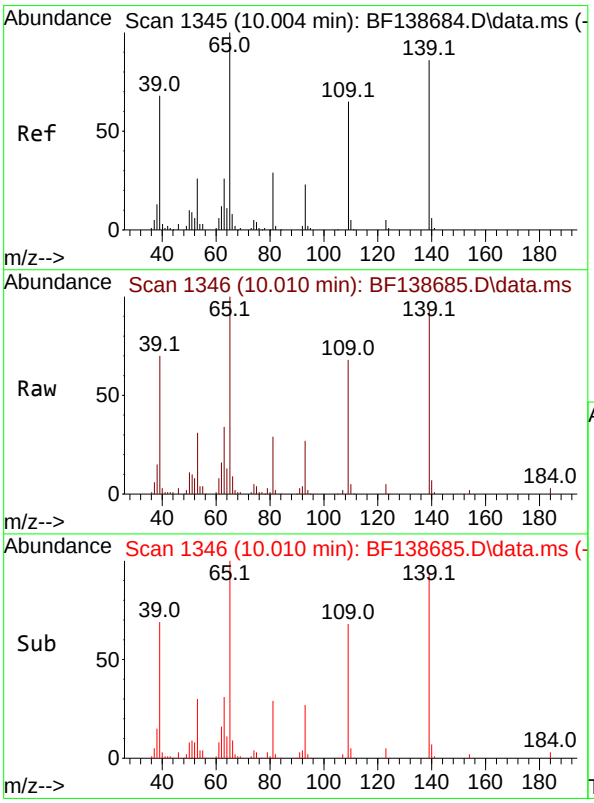
#55
Dibenzofuran
Concen: 47.333 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 565582

Ion	Ratio	Lower	Upper
168	100		
139	40.4	32.6	49.0
169	13.2	10.7	16.1

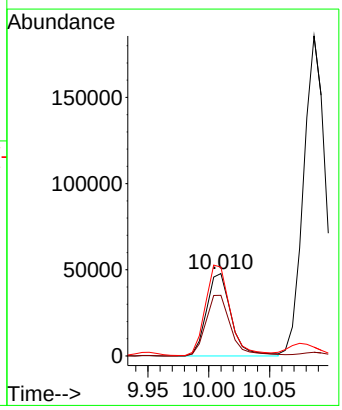


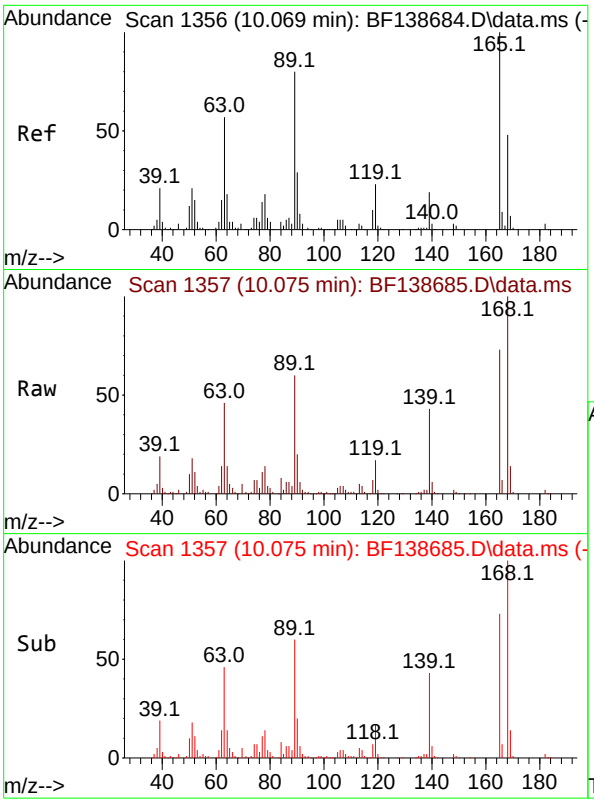


#56
4-Nitrophenol
Concen: 48.943 ng
RT: 10.010 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:139 Resp: 66924

Ion	Ratio	Lower	Upper
139	100		
109	73.8	55.5	95.5
65	107.8	96.7	136.7



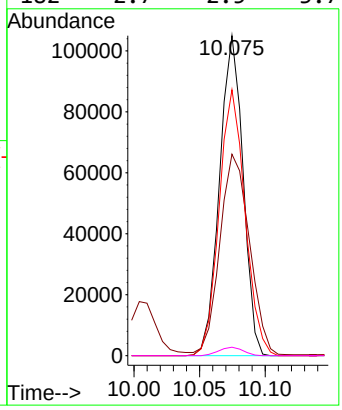


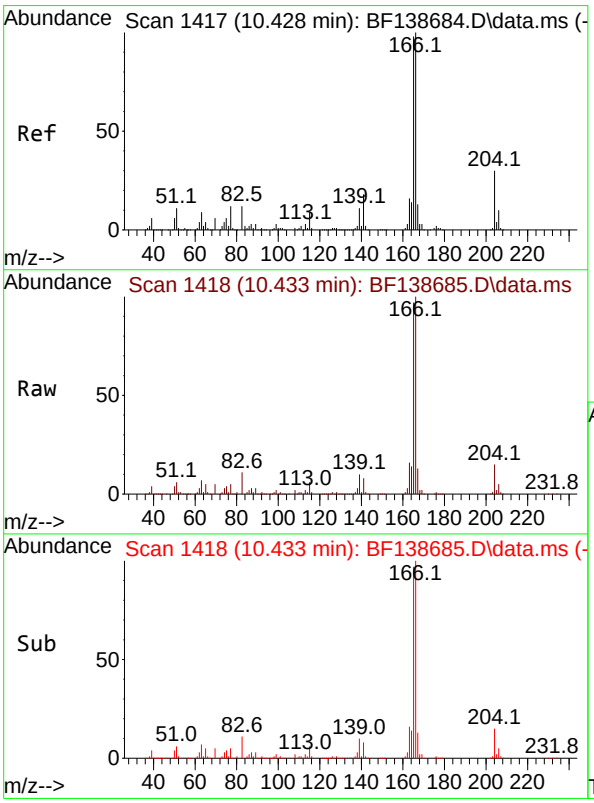
#57
2,4-Dinitrotoluene
Concen: 46.487 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 130457

Ion	Ratio	Lower	Upper
165	100		
63	63.0	46.3	69.5
89	83.1	64.2	96.4
182	2.7	2.5	3.7

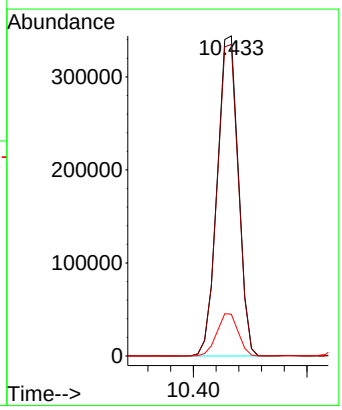


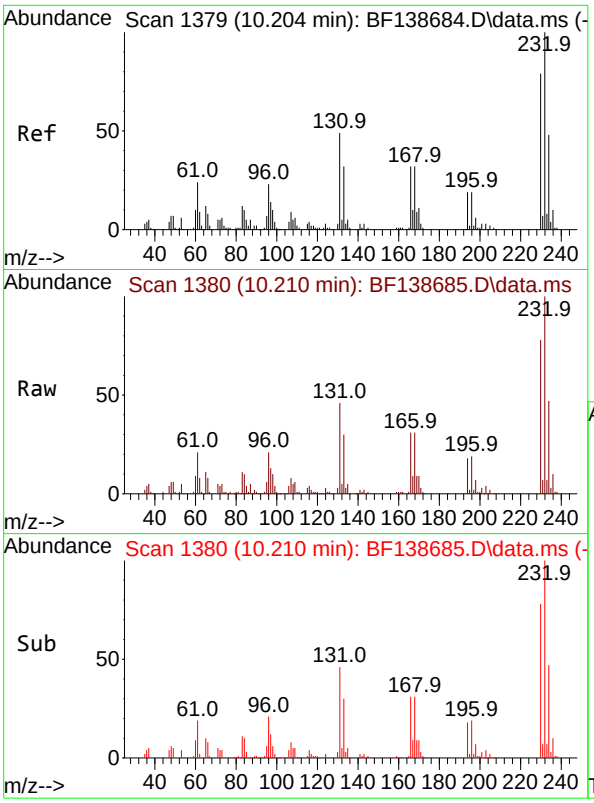


#58
Fluorene
Concen: 46.711 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:166 Resp: 444469

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.4	117.6
167	13.1	10.6	16.0



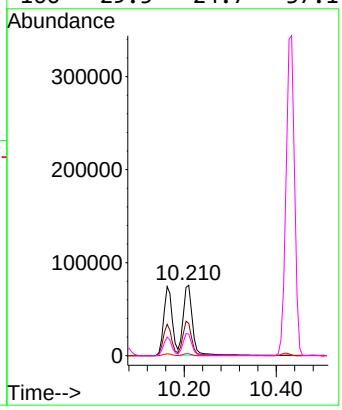


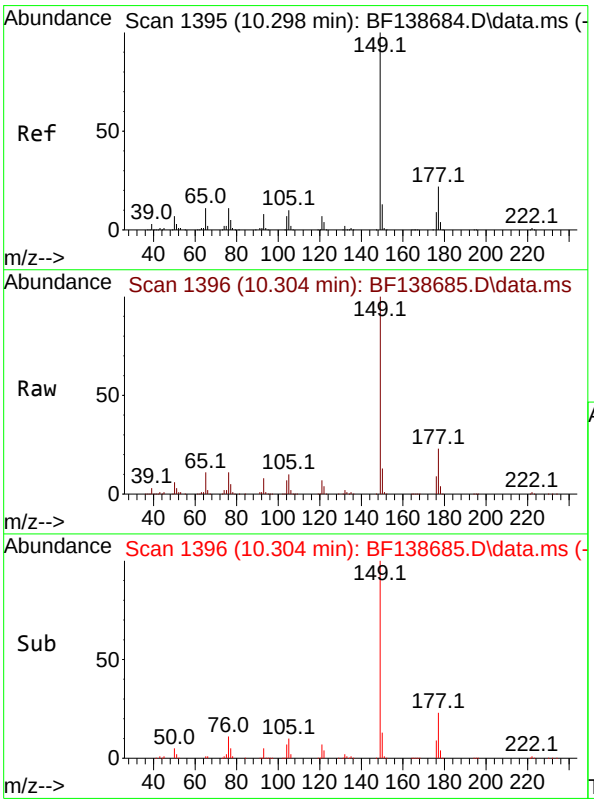
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.402 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 106594

Ion	Ratio	Lower	Upper
232	100		
131	46.1	37.0	55.4
130	2.5	2.0	3.0
166	29.5	24.7	37.1

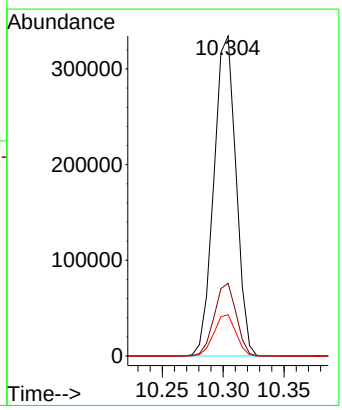


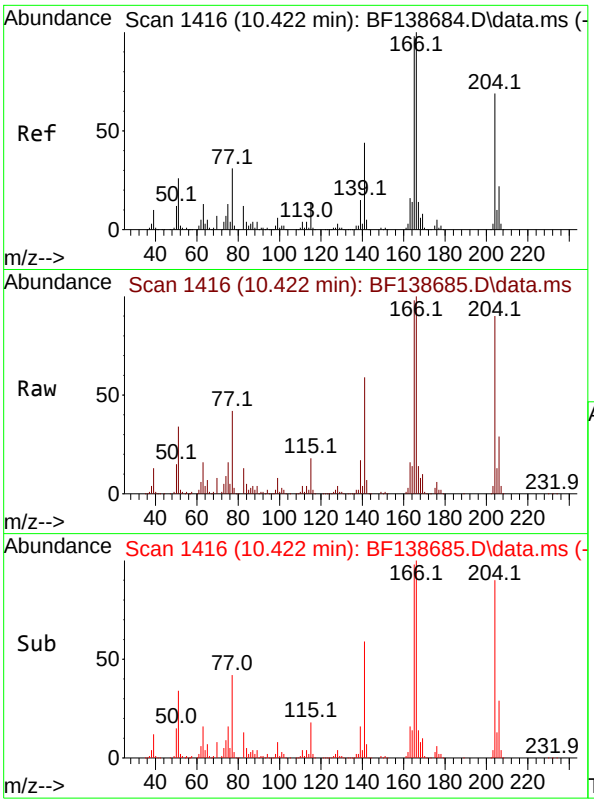


#60
Diethylphthalate
Concen: 45.886 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 424041

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.8	26.8
150	12.9	10.1	15.1



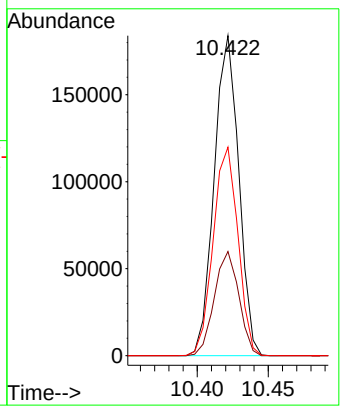


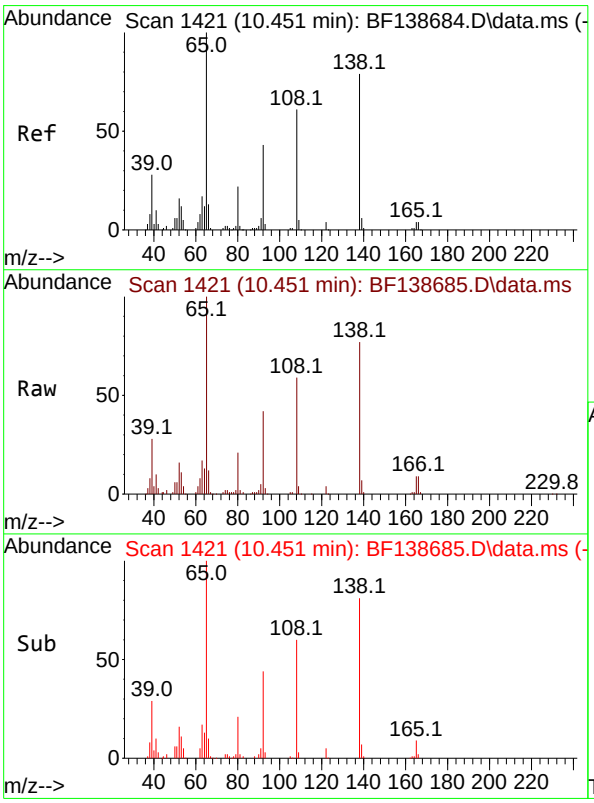
#61
4-Chlorophenyl-phenylether
Concen: 47.209 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 220930

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.1	39.1
141	65.2	51.4	77.0

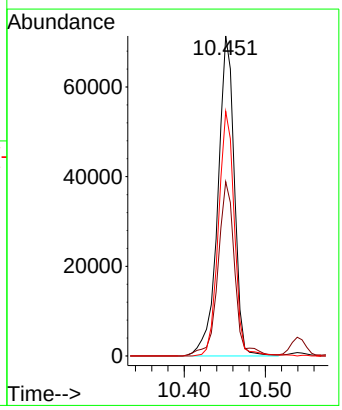


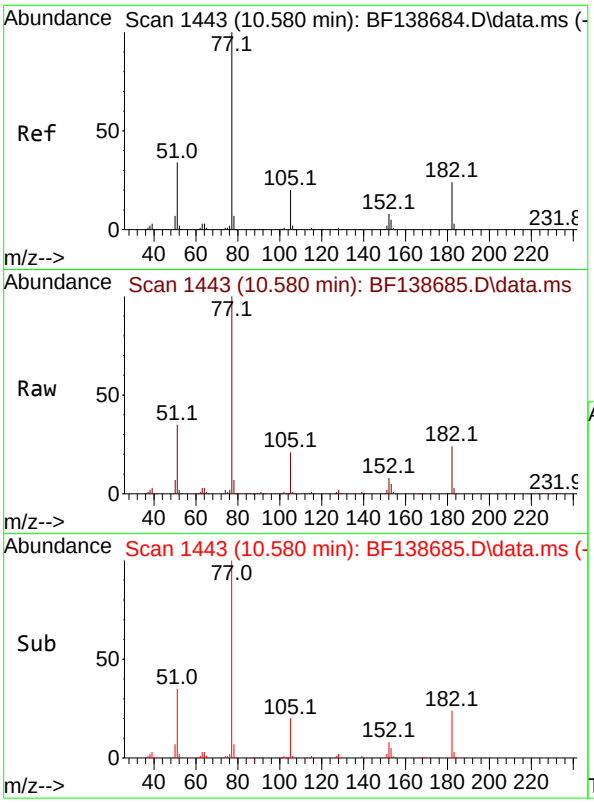


#62
4-Nitroaniline
Concen: 46.819 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:138 Resp: 101171

Ion	Ratio	Lower	Upper
138	100		
92	54.4	34.2	74.2
108	76.5	56.2	96.2



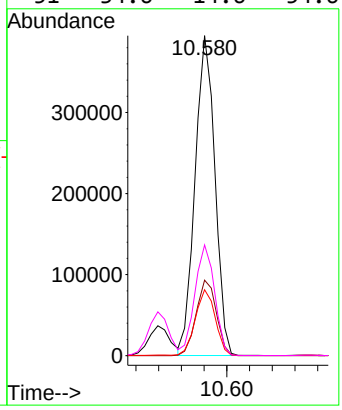


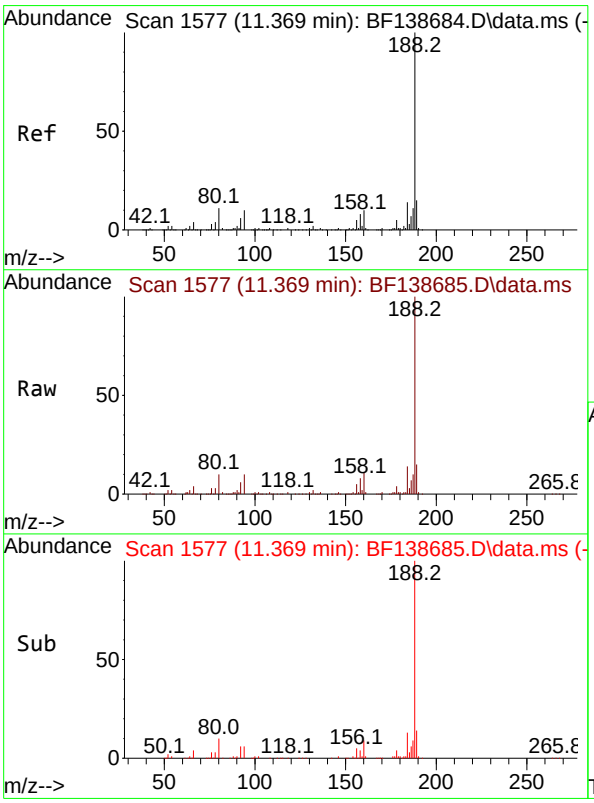
#63
Azobenzene
Concen: 46.818 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 479859

Ion	Ratio	Lower	Upper
77	100		
182	23.6	3.4	43.4
105	20.6	0.2	40.2
51	34.6	14.6	54.6

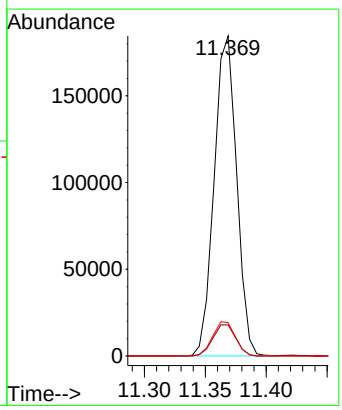


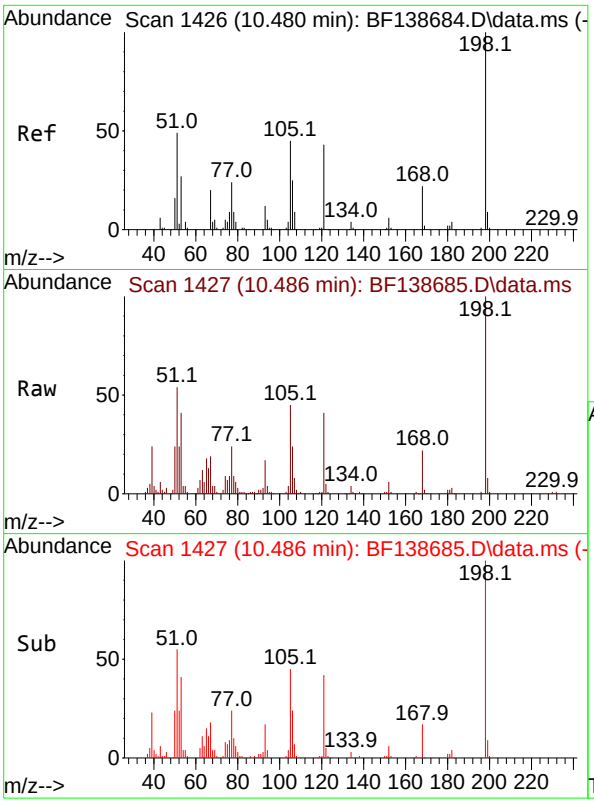


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:188 Resp: 237060

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.6	11.4
80	10.4	8.6	12.8



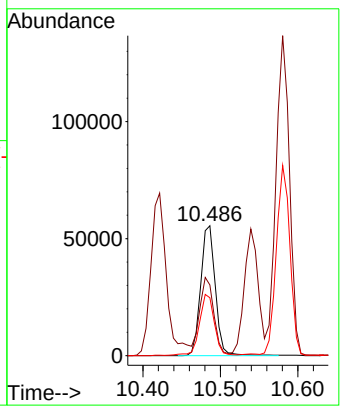


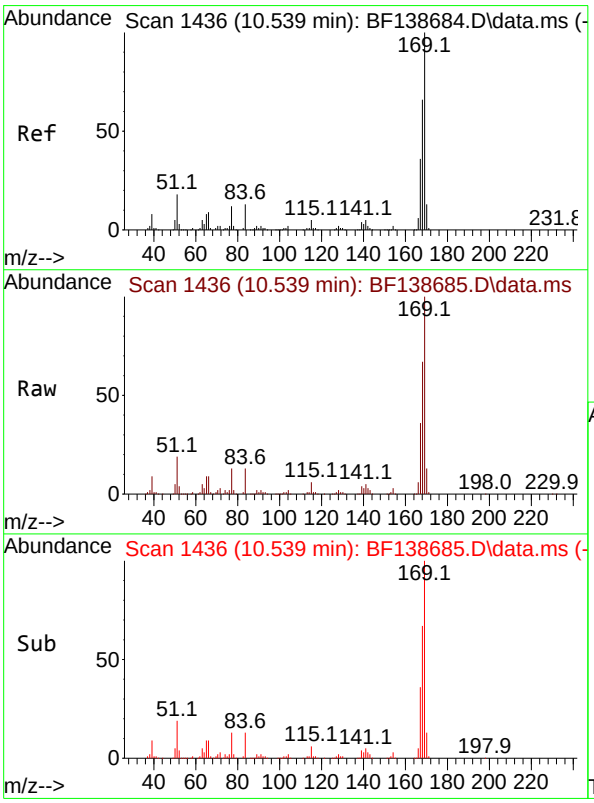
#65
4,6-Dinitro-2-methylphenol
Concen: 50.244 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 72667

Ion	Ratio	Lower	Upper
198	100		
51	54.4	39.9	79.9
105	44.7	26.1	66.1

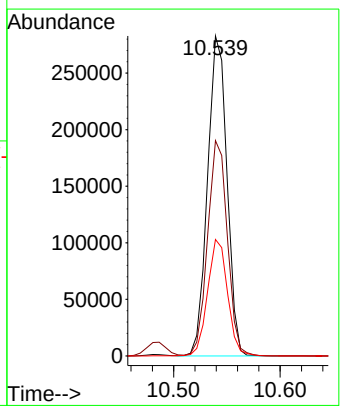


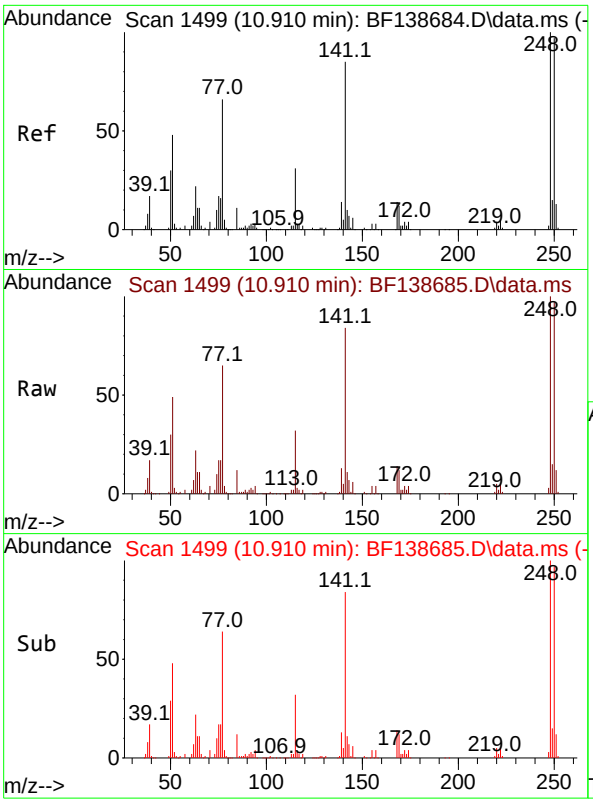


#66
n-Nitrosodiphenylamine
Concen: 48.503 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:169 Resp: 359408

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.4	29.0	43.6



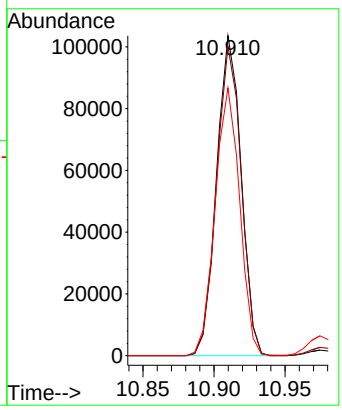


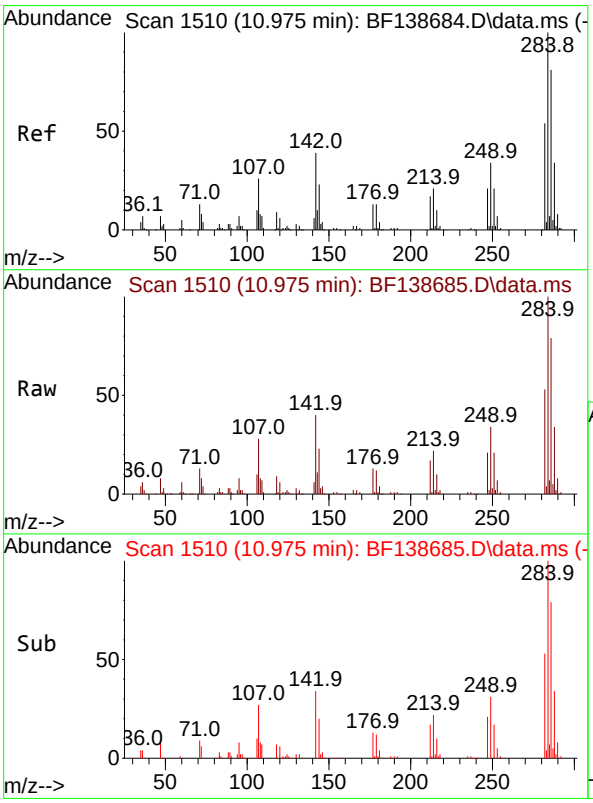
#67
4-Bromophenyl-phenylether
Concen: 48.653 ng
RT: 10.910 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 124874

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	83.7	68.0	102.0

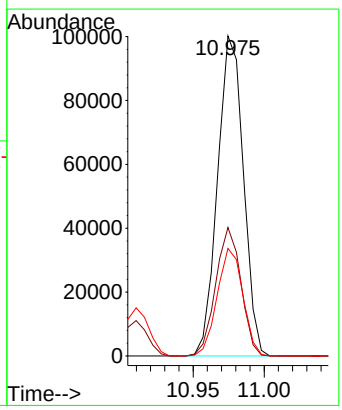


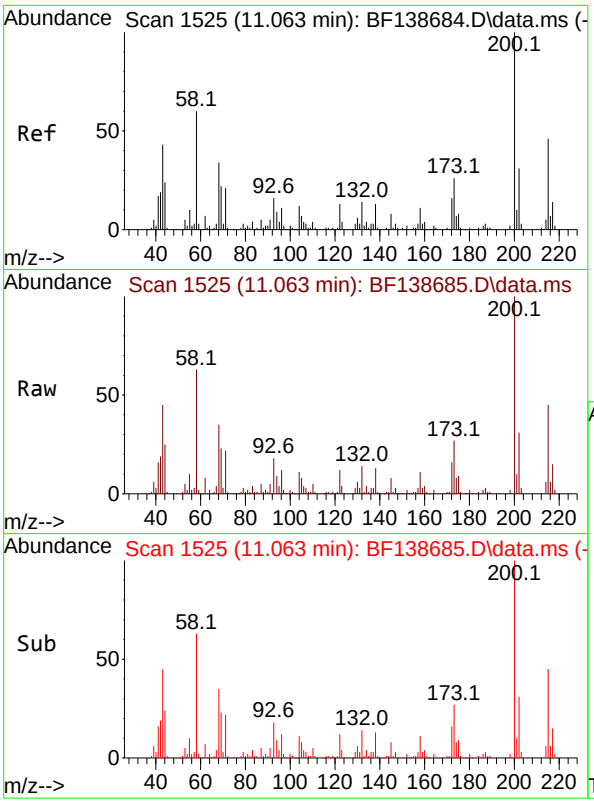


#68
Hexachlorobenzene
Concen: 47.827 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:284 Resp: 126744

Ion	Ratio	Lower	Upper
284	100		
142	40.2	31.3	46.9
249	33.6	27.2	40.8



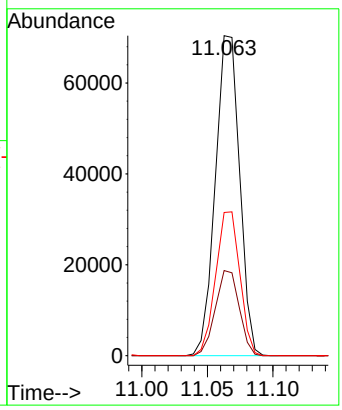


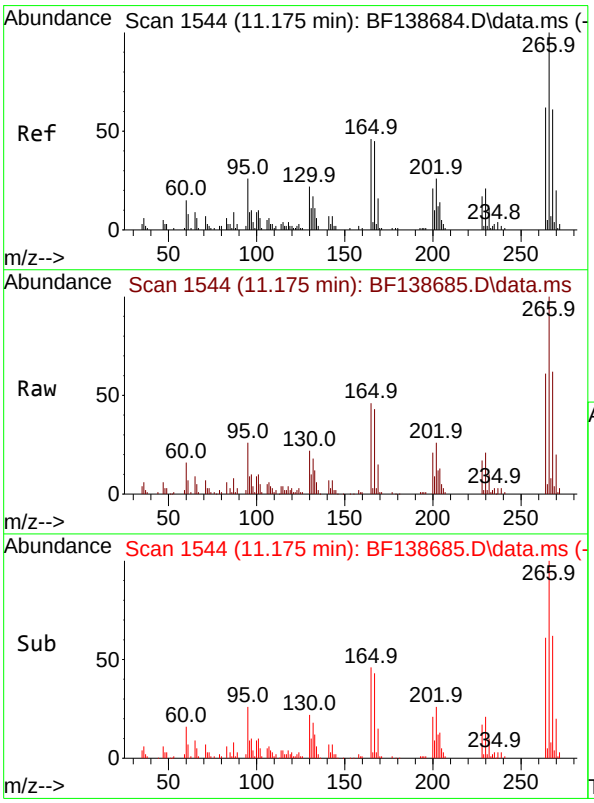
#69
Atrazine
Concen: 47.380 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 90580

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.0	46.0
215	44.8	26.1	66.1

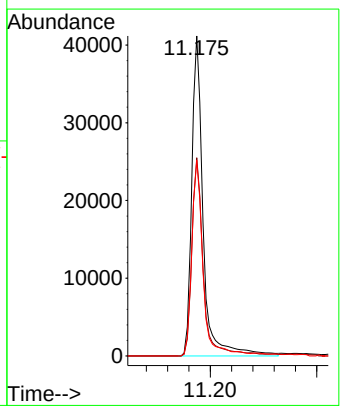


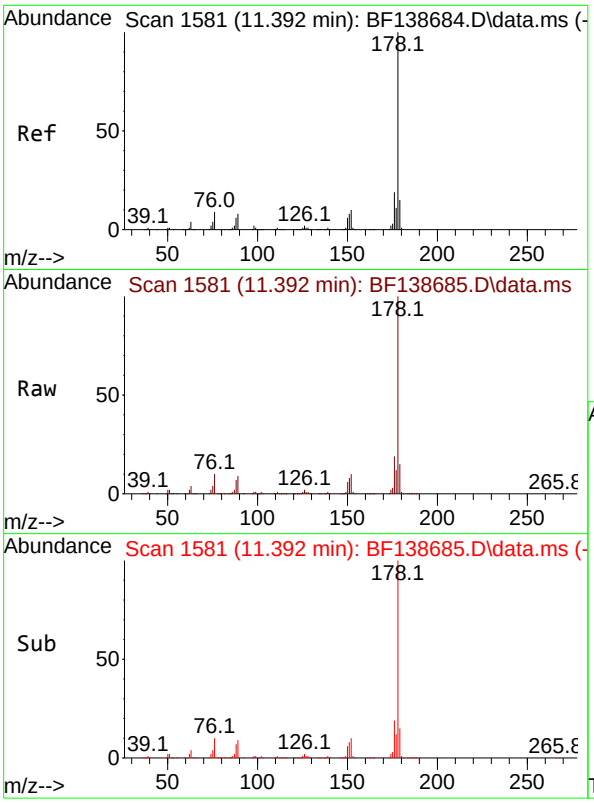


#70
Pentachlorophenol
Concen: 51.390 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:266 Resp: 61385

Ion	Ratio	Lower	Upper
266	100		
268	61.9	49.2	73.8
264	61.2	49.8	74.6



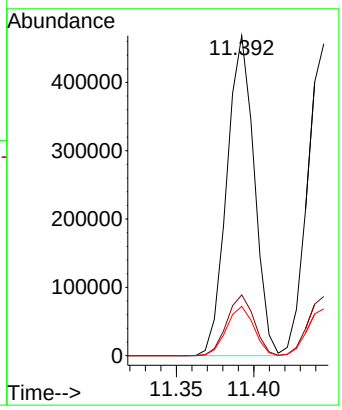


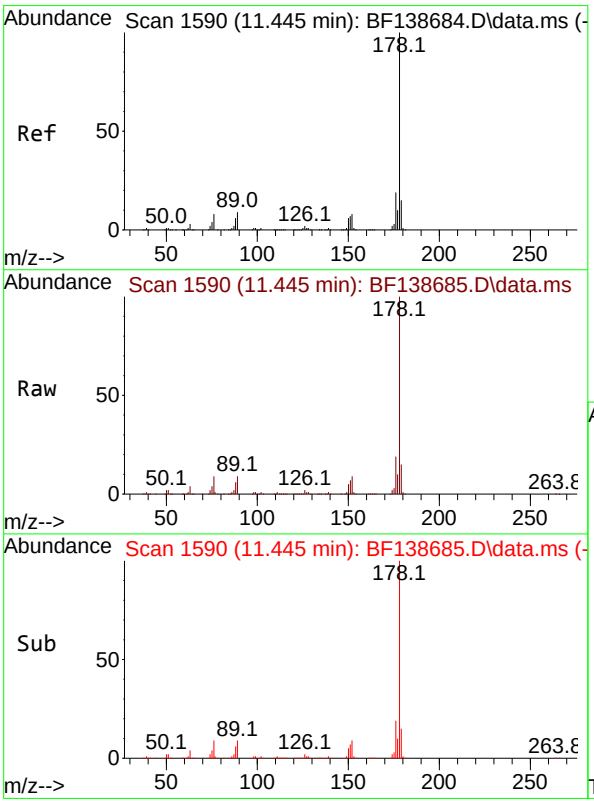
#71
Phenanthrene
Concen: 47.109 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 575040

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.4	12.2	18.2

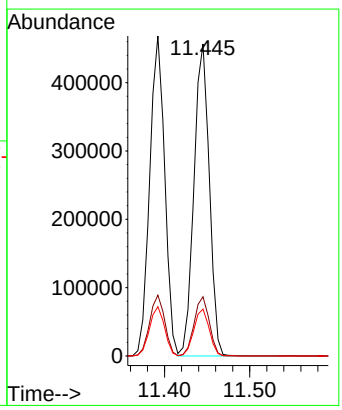


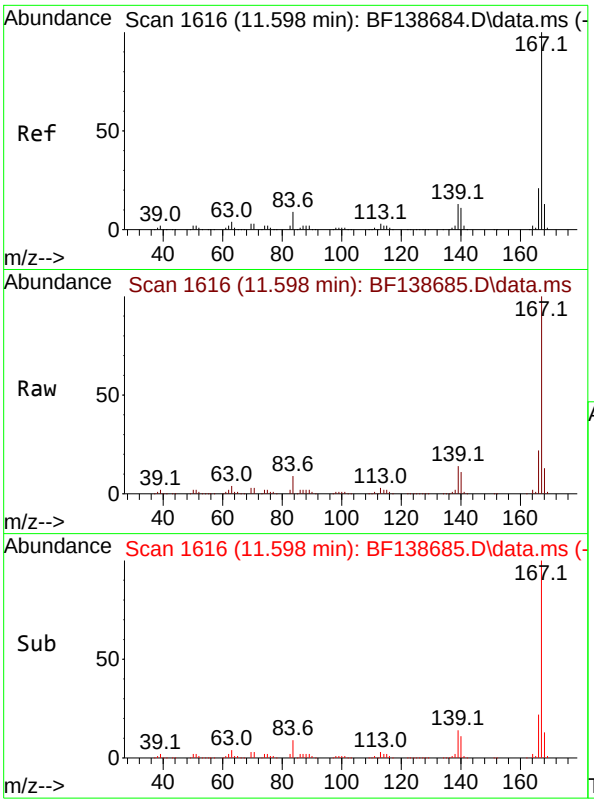


#72
Anthracene
Concen: 47.539 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:178 Resp: 571666

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.0	12.4	18.6



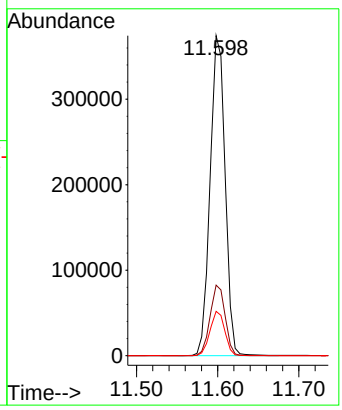


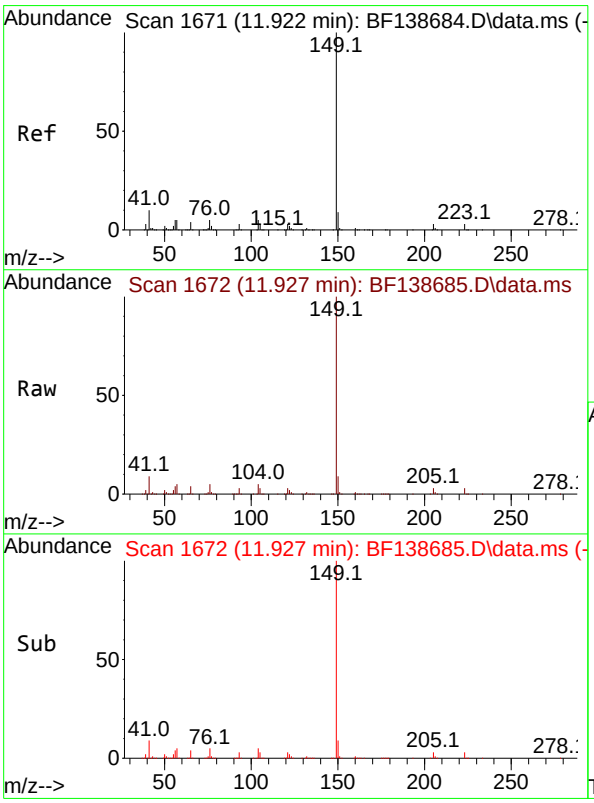
#73
Carbazole
Concen: 46.275 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 480092

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	13.9	10.6	16.0

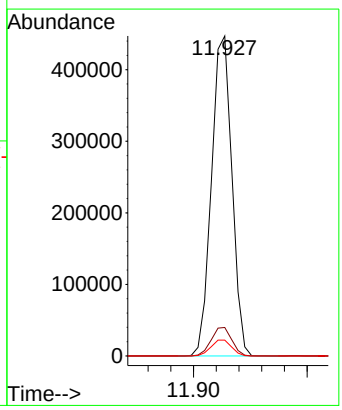


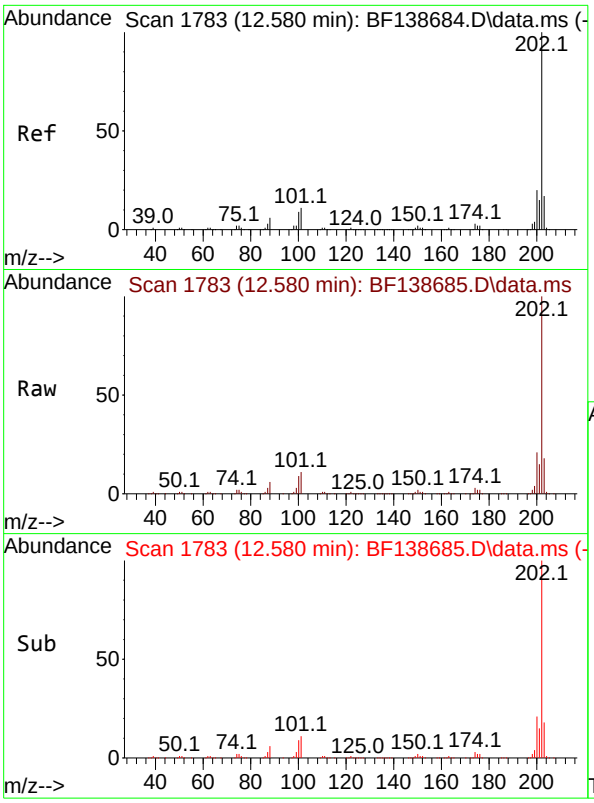


#74
Di-n-butylphthalate
Concen: 47.956 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 559303

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	5.0	4.1	6.1



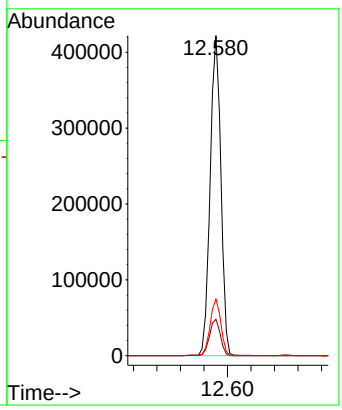


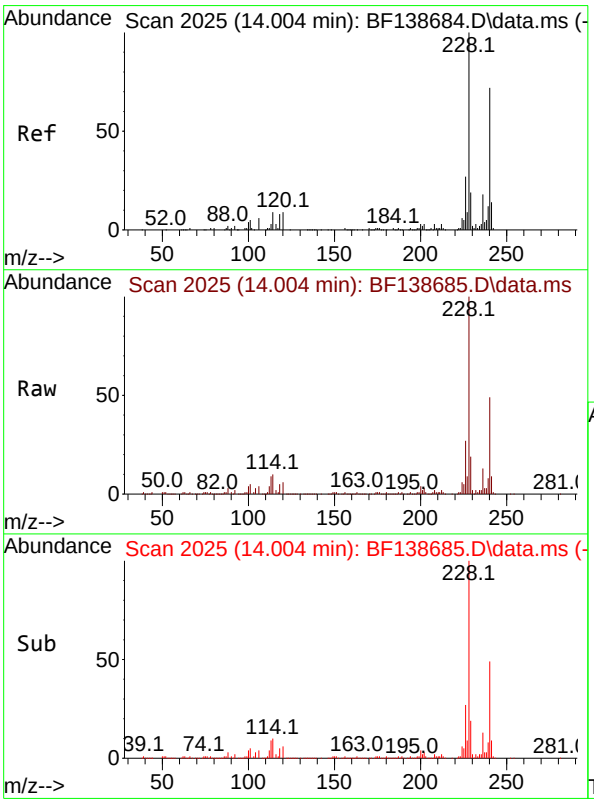
#75
Fluoranthene
Concen: 46.772 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 533004

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.2
203	17.7	0.0	37.3

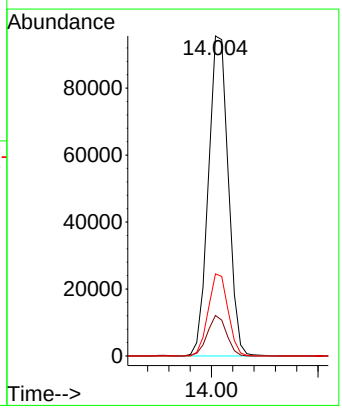


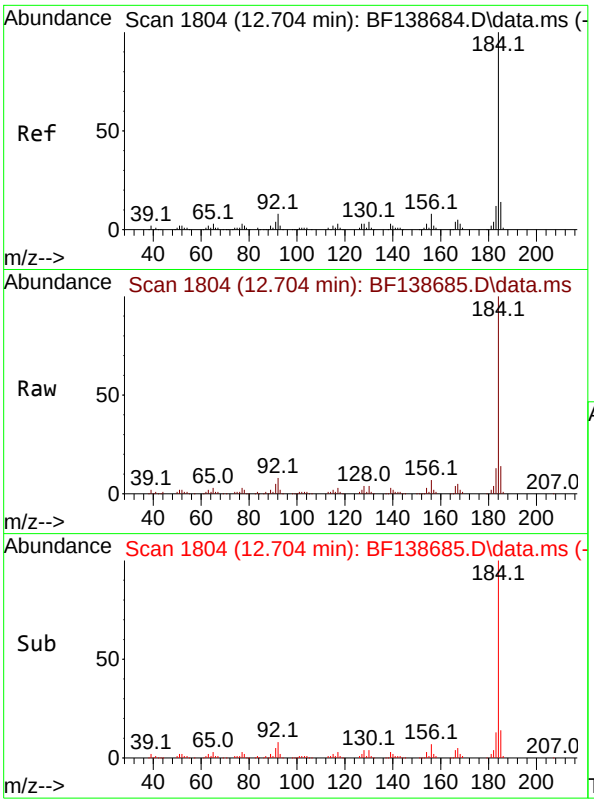


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:240 Resp: 124208

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.2	15.4
236	25.7	19.8	29.8



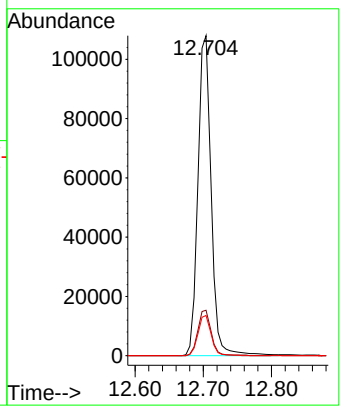


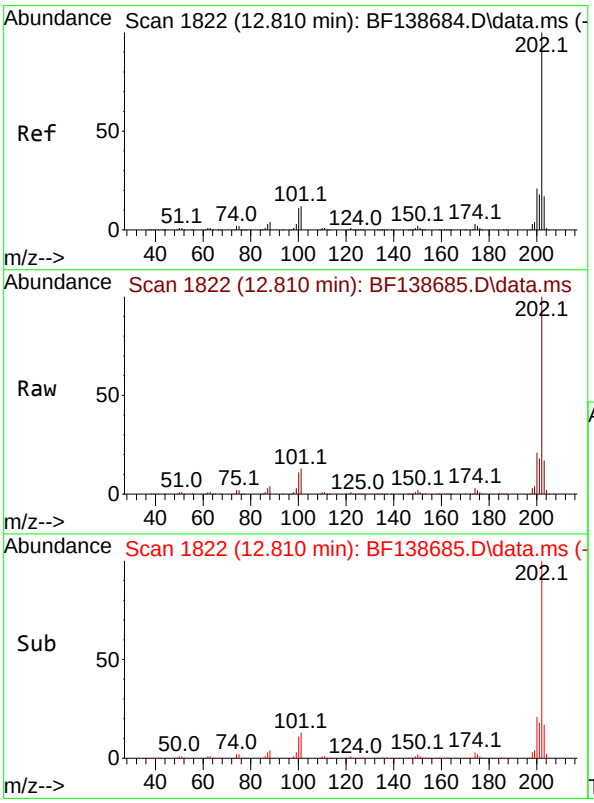
#77
Benzidine
Concen: 49.129 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 145955

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.1	16.7
183	12.6	9.6	14.4

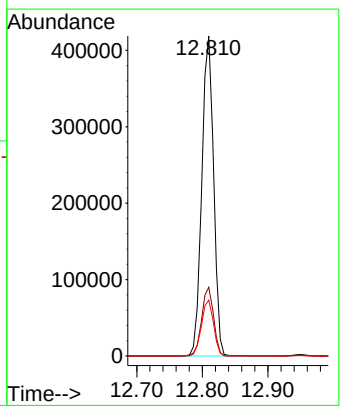


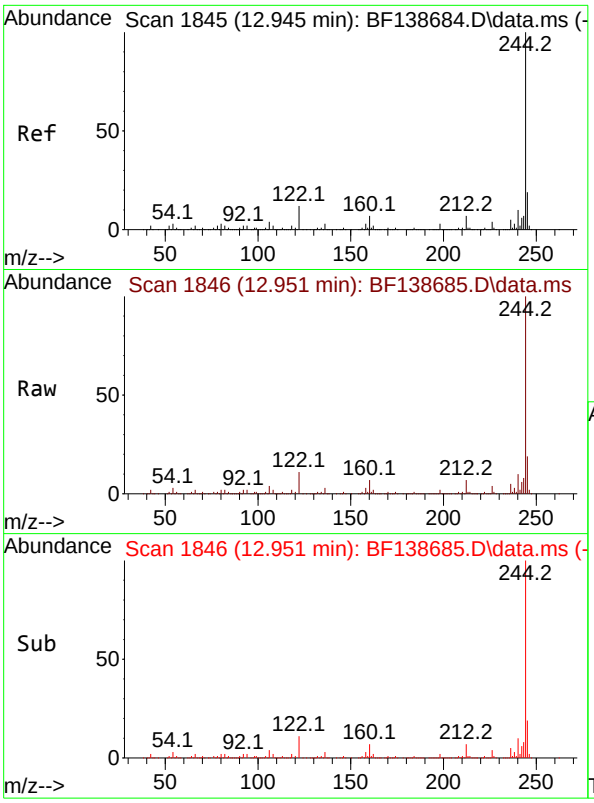


#78
Pyrene
Concen: 44.974 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:202 Resp: 525950

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.5	13.8	20.6



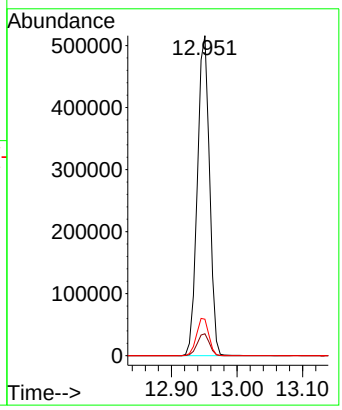


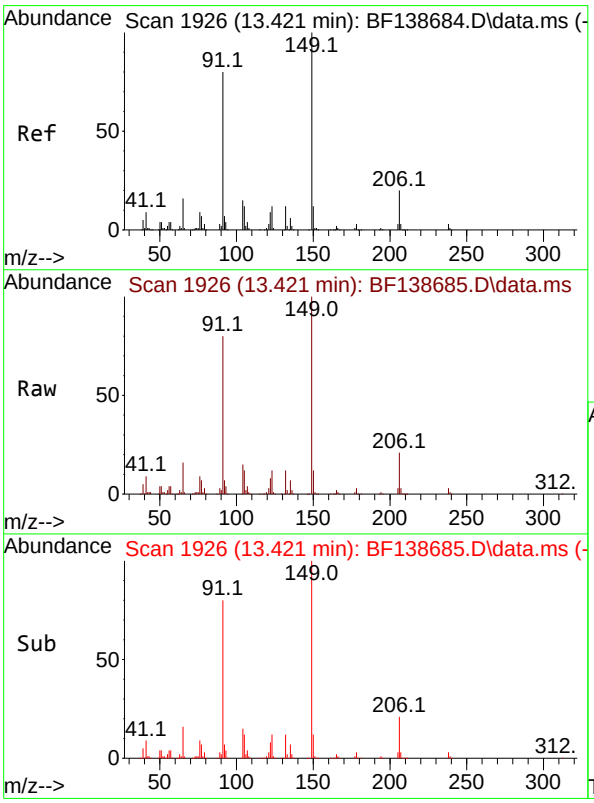
#79
Terphenyl-d14
Concen: 89.751 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 665833

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.4	9.6	14.4

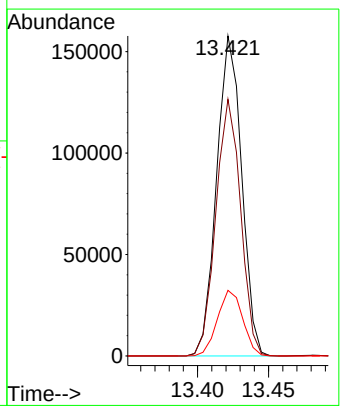


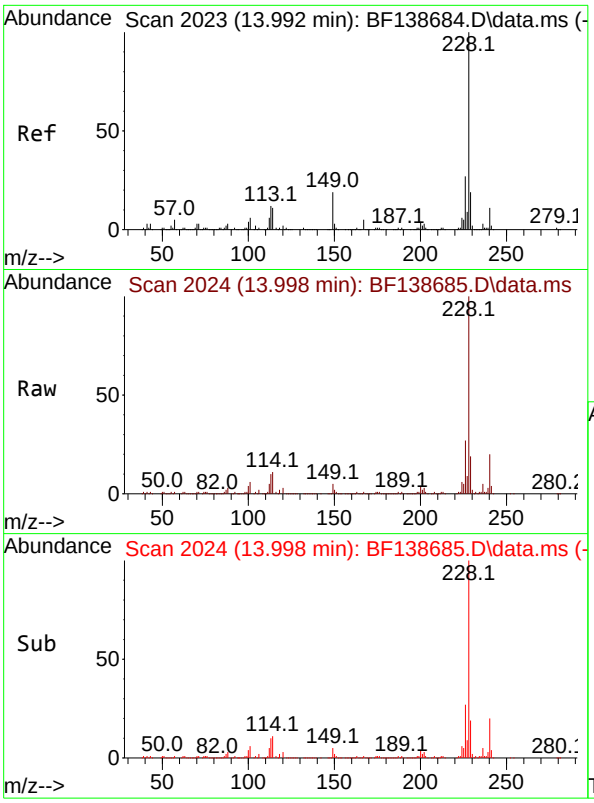


#80
Butylbenzylphthalate
Concen: 51.575 ng
RT: 13.421 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 193143

Ion	Ratio	Lower	Upper
149	100		
91	80.2	63.7	95.5
206	20.5	16.2	24.2



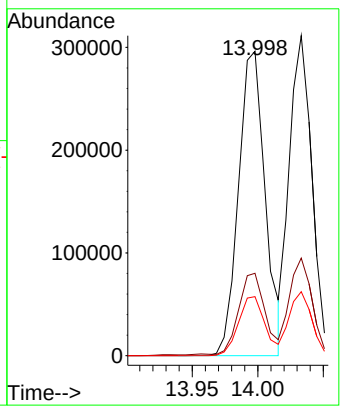


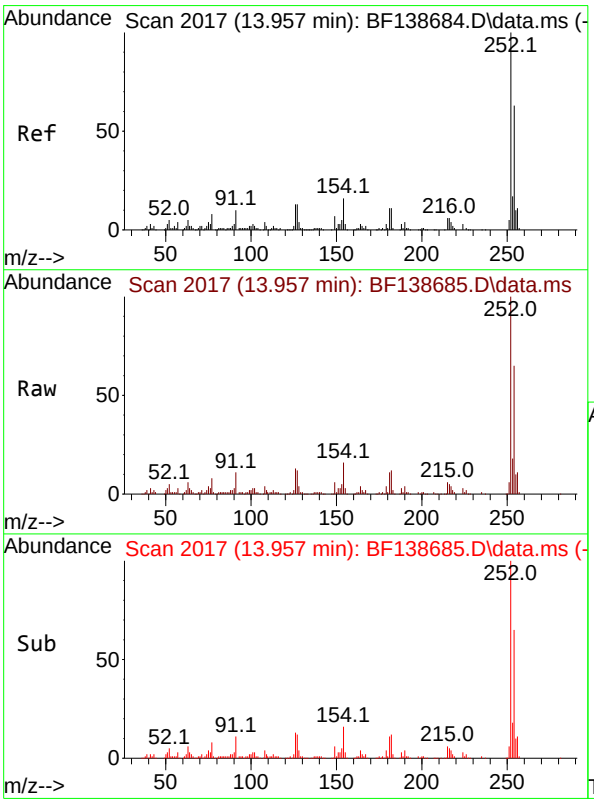
#81
Benzo(a)anthracene
Concen: 49.040 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 419449

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.4	15.4	23.0

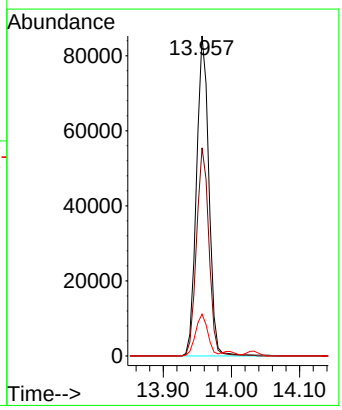


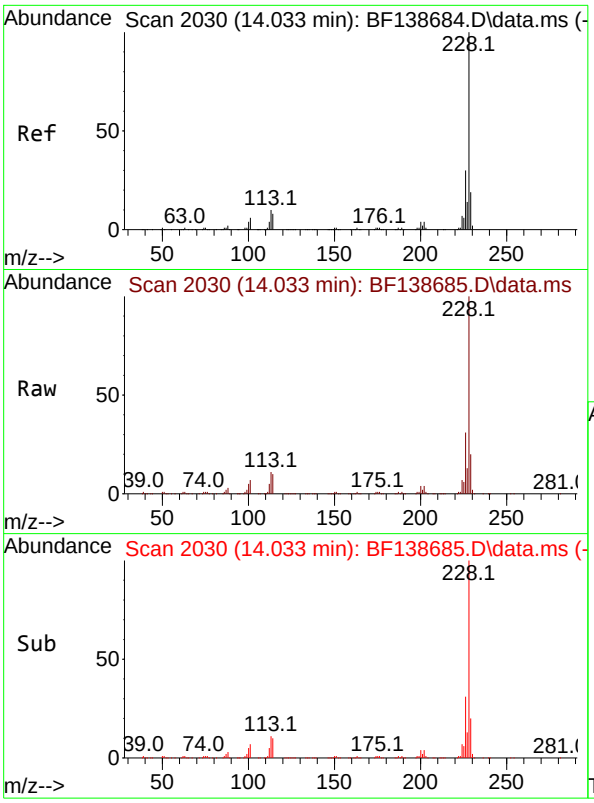


#82
3,3'-Dichlorobenzidine
Concen: 49.088 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:252 Resp: 107444

Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.8	76.2
126	13.1	10.2	15.2



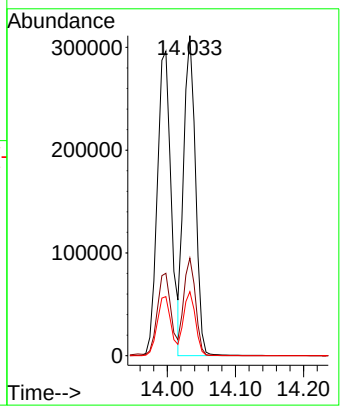


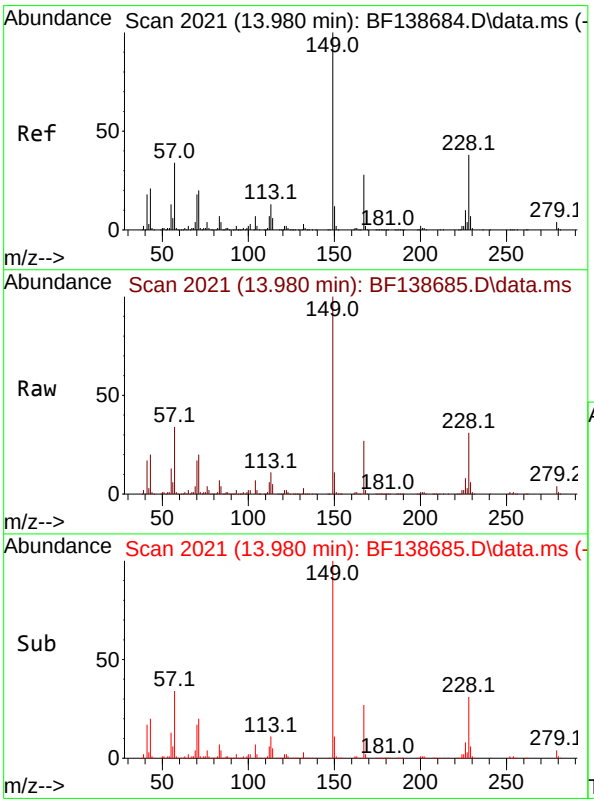
#83
Chrysene
Concen: 48.391 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 373417

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	20.0	15.0	22.6

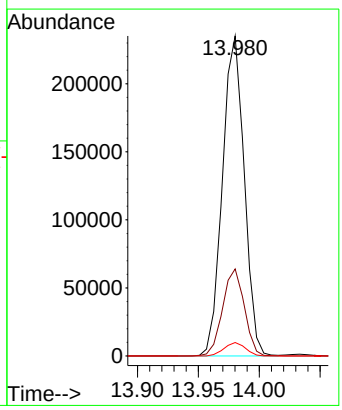


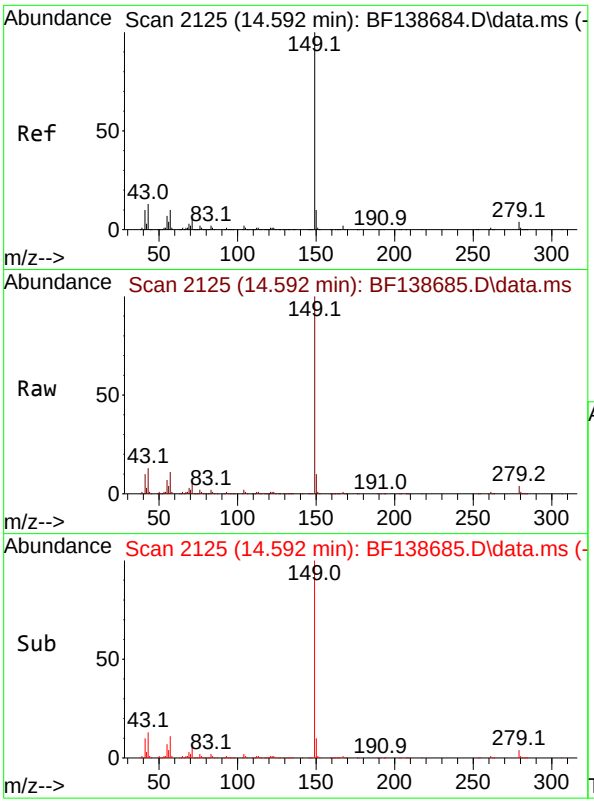


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.519 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 293490

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.2	33.4
279	4.2	3.4	5.0



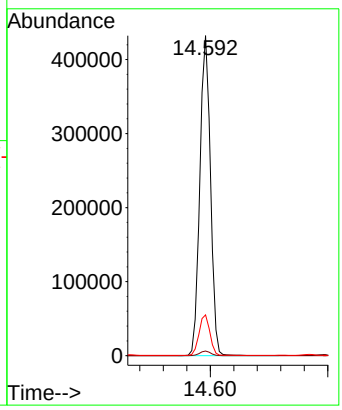


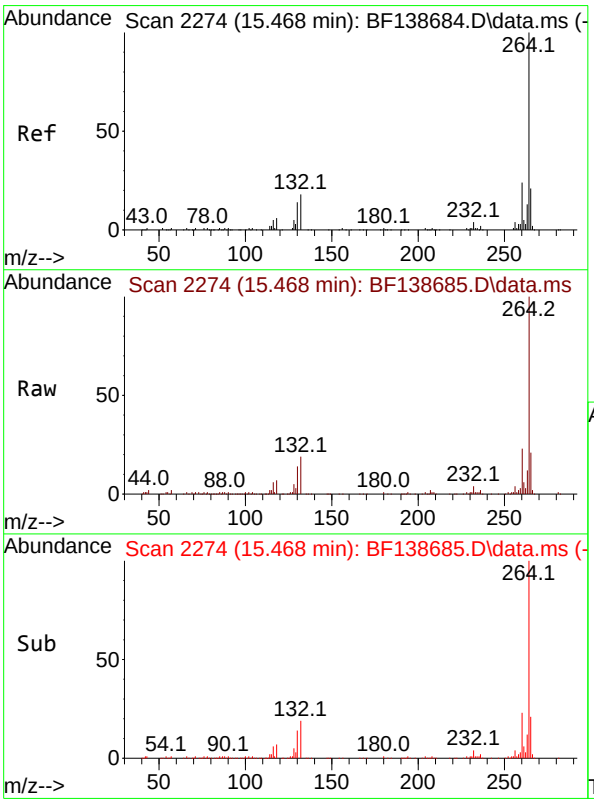
#85
Di-n-octyl phthalate
Concen: 53.306 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 540838

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	13.0	10.4	15.6

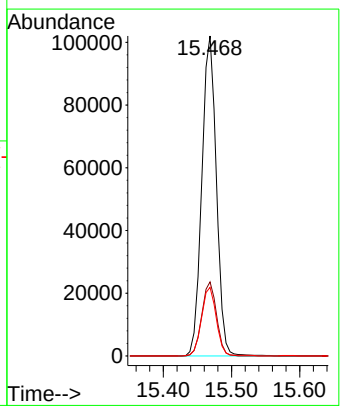


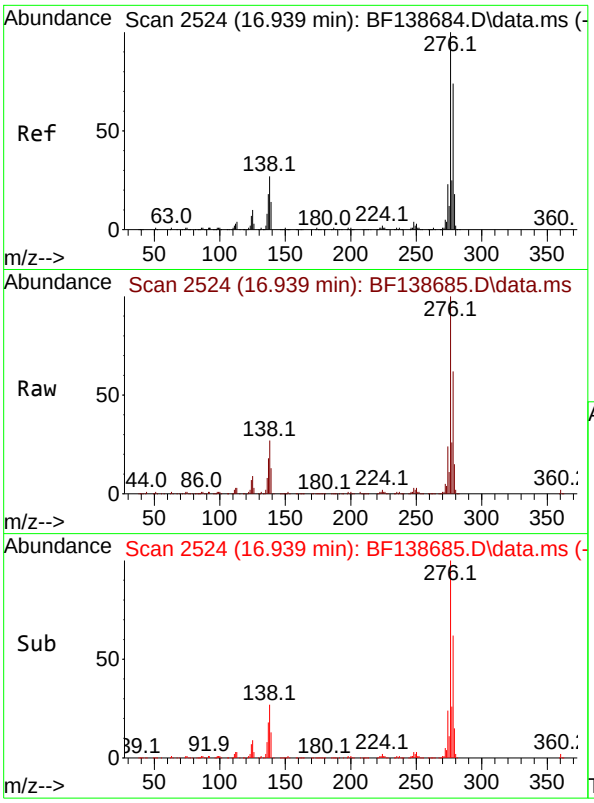


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:264 Resp: 151751

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.5	17.0	25.6



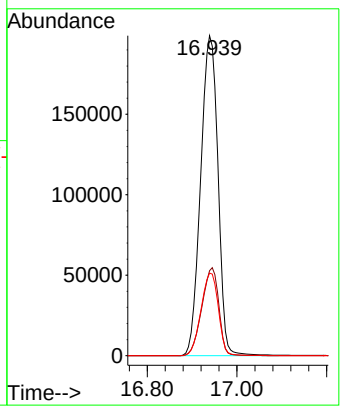


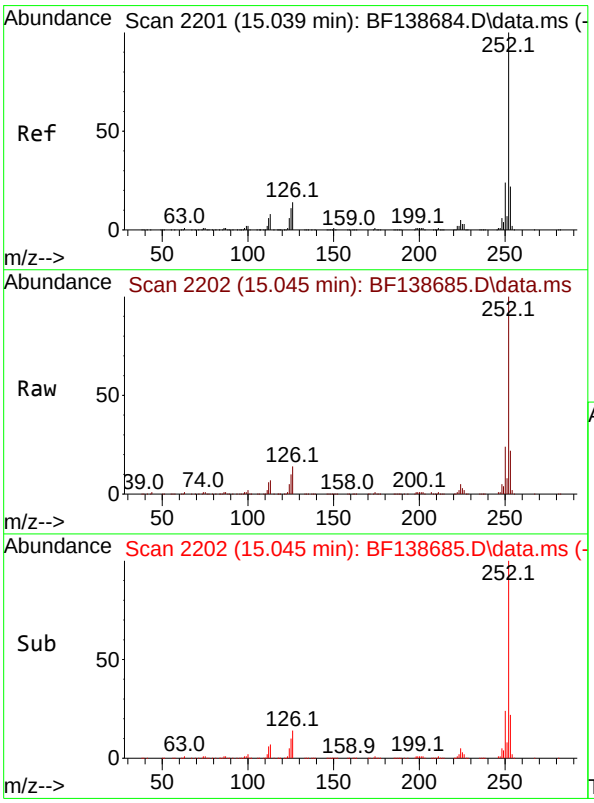
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.039 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 533298

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.8
277	25.8	20.6	30.8

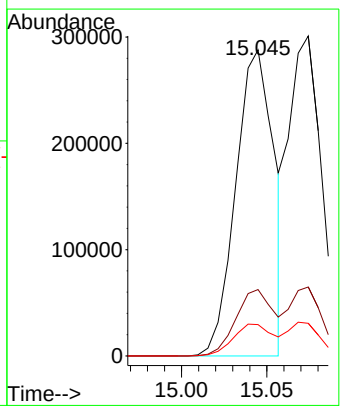


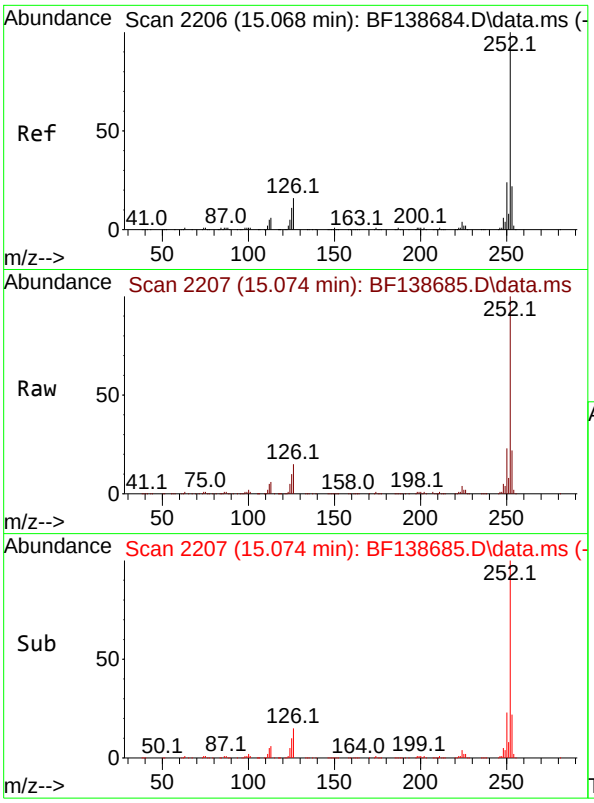


#88
Benzo(b)fluoranthene
Concen: 47.613 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:252 Resp: 447896

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.3	8.9	13.3



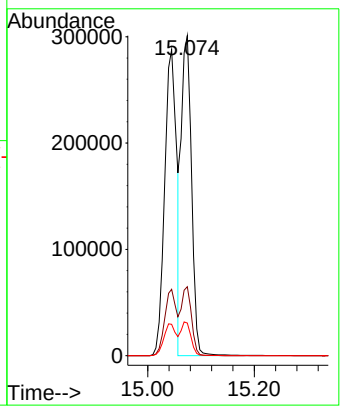


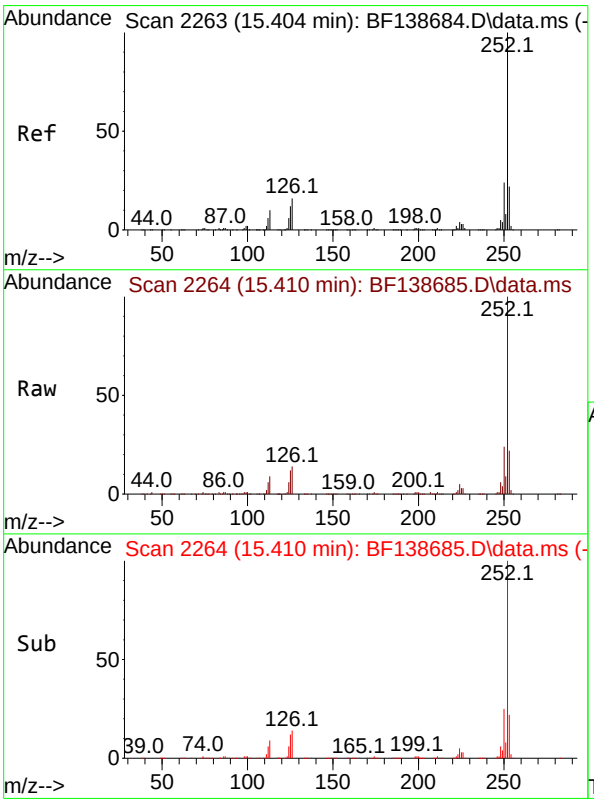
#89
Benzo(k)fluoranthene
Concen: 49.358 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 402008

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.2	8.6	13.0

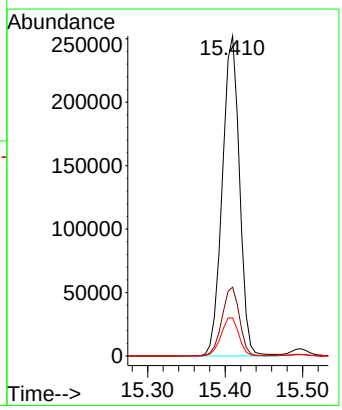


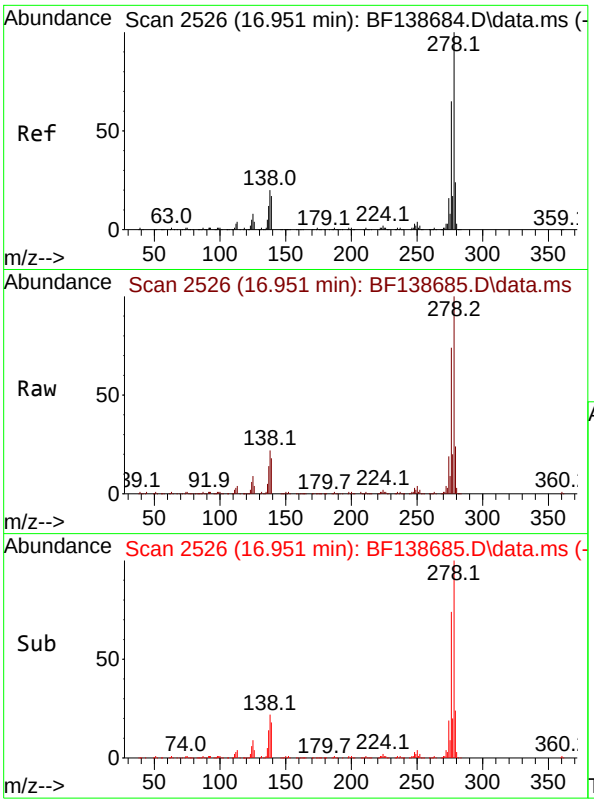


#90
Benzo(a)pyrene
Concen: 49.199 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:252 Resp: 389298

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	11.9	9.5	14.3



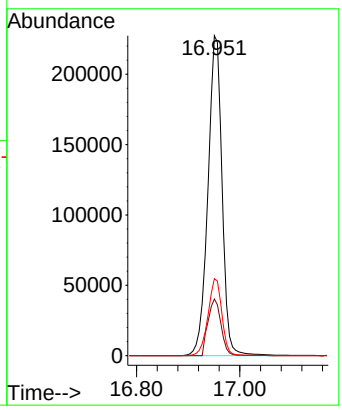


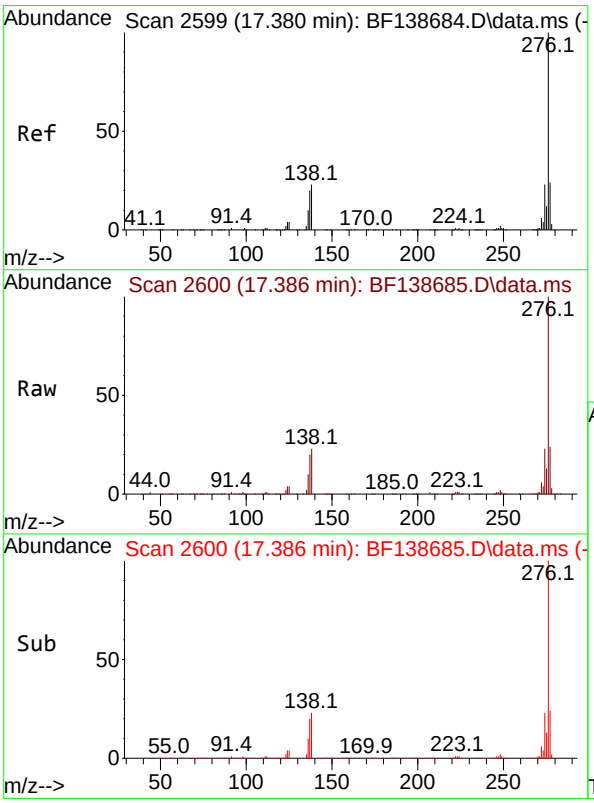
#91
Dibenzo(a,h)anthracene
Concen: 48.460 ng
RT: 16.951 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 432604

Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.0	21.0
279	24.1	19.0	28.4

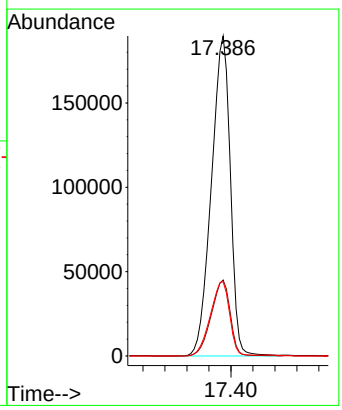




#92
Benzo(g,h,i)perylene
Concen: 48.997 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:276 Resp: 453886

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	23.2	18.5	27.7



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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138686.D
Acq On : 30 Jul 2024 15:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 30 17:46:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

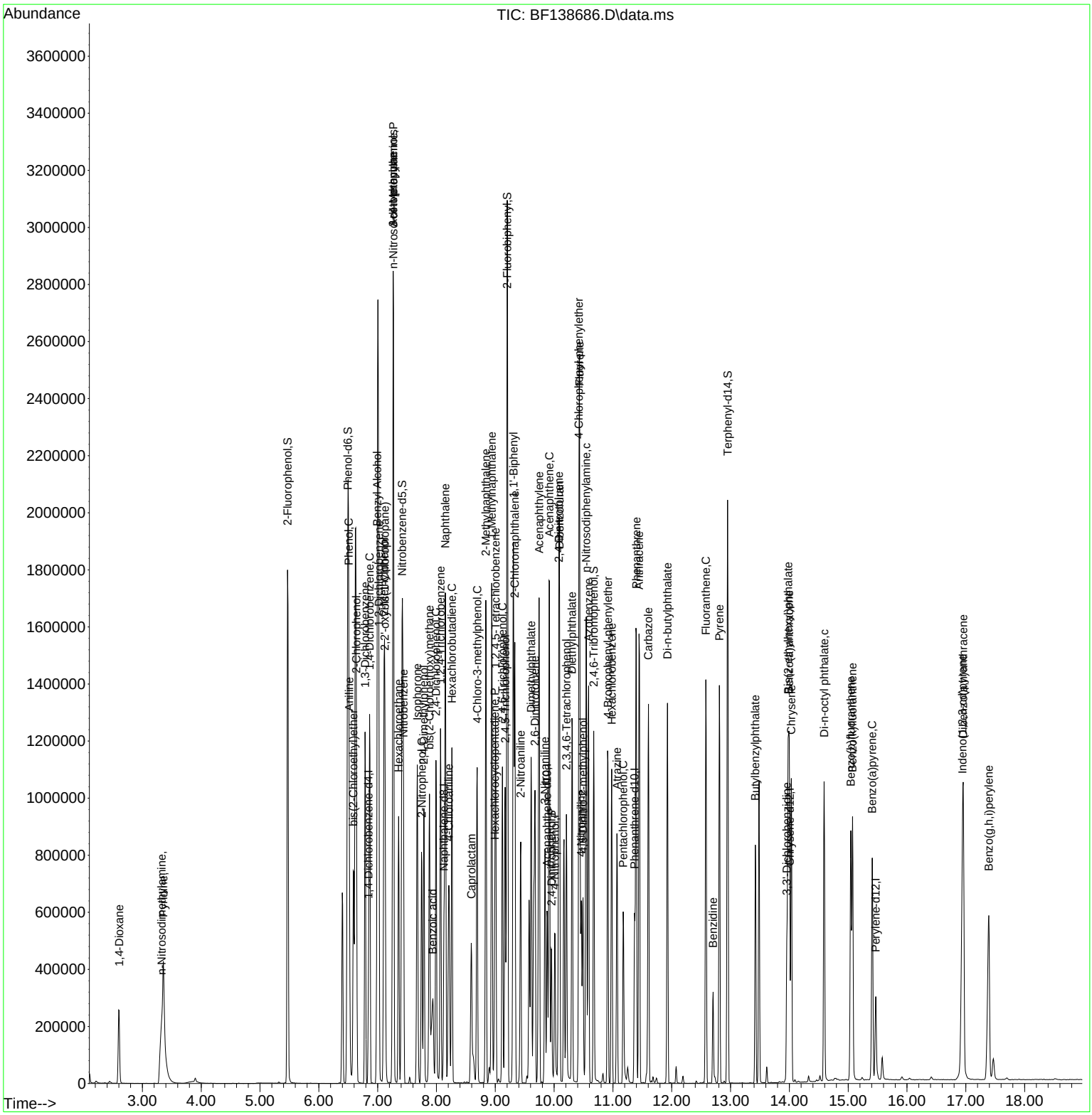
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.310	154	814566	57.355	ng	100
47) 2-Chloronaphthalene	9.333	162	605996	57.372	ng	99
48) 2-Nitroaniline	9.433	65	214695	59.957	ng	100
49) Acenaphthylene	9.745	152	863615	57.648	ng	99
50) Dimethylphthalate	9.610	163	695202	59.957	ng	99
51) 2,6-Dinitrotoluene	9.675	165	163000	62.290	ng	97
52) Acenaphthene	9.922	154	581492	57.743	ng	100
53) 3-Nitroaniline	9.845	138	165034	61.007	ng	98
54) 2,4-Dinitrophenol	9.957	184	82451	68.448	ng	96
55) Dibenzofuran	10.092	168	809534	56.948	ng	99
56) 4-Nitrophenol	10.016	139	107052	65.807	ng	97
57) 2,4-Dinitrotoluene	10.080	165	201610	60.388	ng	93
58) Fluorene	10.433	166	646844	57.140	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	162987	63.494	ng	97
60) Diethylphthalate	10.304	149	661415	60.161	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	321470	57.740	ng	97
62) 4-Nitroaniline	10.463	138	159081	61.881	ng	99
63) Azobenzene	10.586	77	722929	59.288	ng	99
65) 4,6-Dinitro-2-methylph...	10.492	198	115013	62.887	ng	98
66) n-Nitrosodiphenylamine	10.545	169	550299	58.728	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	185589	57.182	ng	98
68) Hexachlorobenzene	10.980	284	197152	58.832	ng	96
69) Atrazine	11.069	200	137932	57.055	ng	99
70) Pentachlorophenol	11.174	266	101863	67.437	ng	98
71) Phenanthrene	11.398	178	867741	56.216	ng	99
72) Anthracene	11.445	178	869464	57.177	ng	99
73) Carbazole	11.604	167	742002	56.558	ng	99
74) Di-n-butylphthalate	11.927	149	891999	60.481	ng	100
75) Fluoranthene	12.580	202	797022	55.309	ng	99
77) Benzidine	12.704	184	165511	51.170	ng	98
78) Pyrene	12.810	202	782403	61.448	ng	99
80) Butylbenzylphthalate	13.421	149	251612	61.709	ng	99
81) Benzo(a)anthracene	13.998	228	548125	58.859	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	129254	54.238	ng	99
83) Chrysene	14.033	228	498766	59.365	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	343468	57.526	ng	100
85) Di-n-octyl phthalate	14.592	149	637055	57.670	ng	100
87) Indeno(1,2,3-cd)pyrene	16.945	276	636857	58.833	ng	100
88) Benzo(b)fluoranthene	15.045	252	514218	54.916	ng	99
89) Benzo(k)fluoranthene	15.074	252	506146	62.431	ng	99
90) Benzo(a)pyrene	15.410	252	469205	59.572	ng	100
91) Dibenzo(a,h)anthracene	16.956	278	519552	58.470	ng	99
92) Benzo(g,h,i)perylene	17.392	276	542952	58.883	ng	99

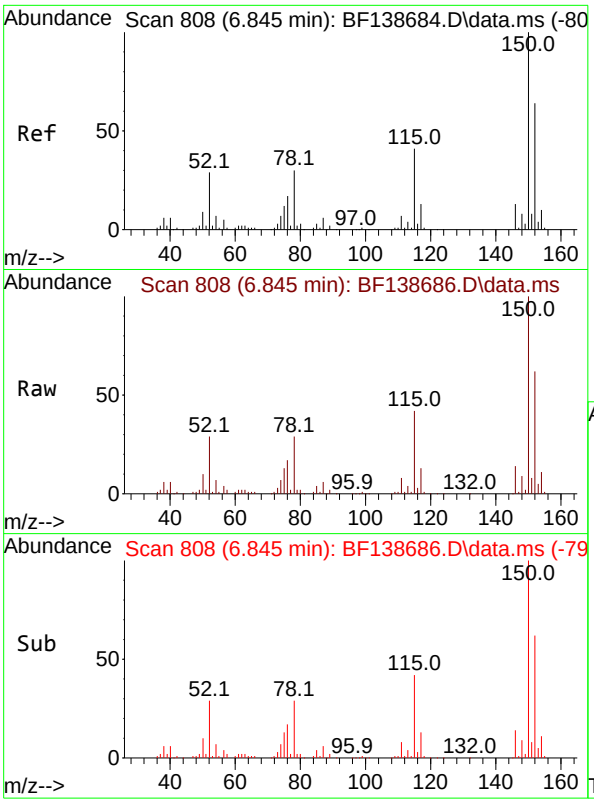
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138686.D
Acq On : 30 Jul 2024 15:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 30 17:46:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



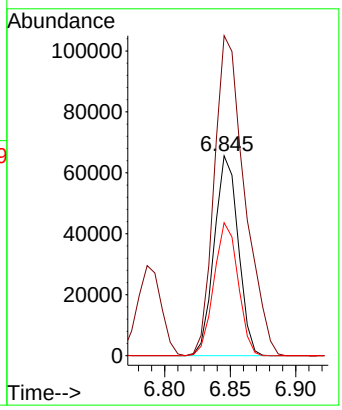


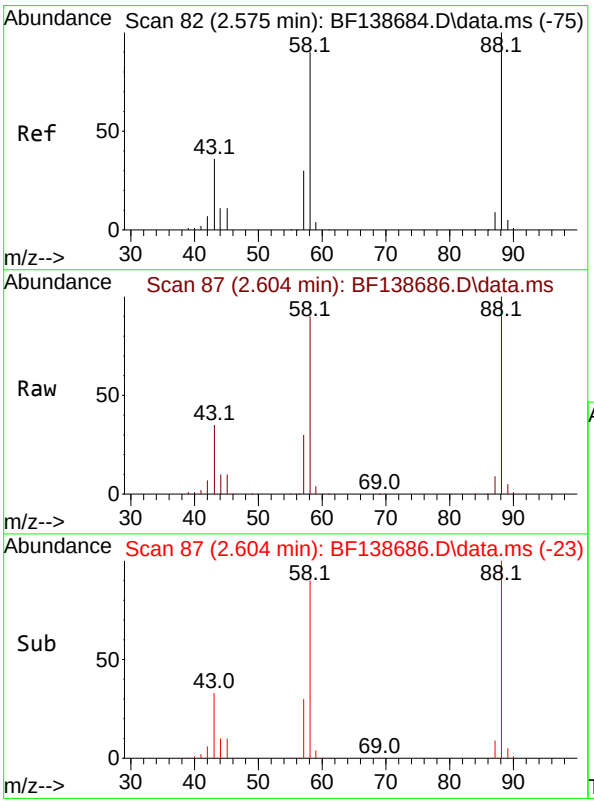
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 83492

Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.0	189.0
115	66.6	51.7	77.5

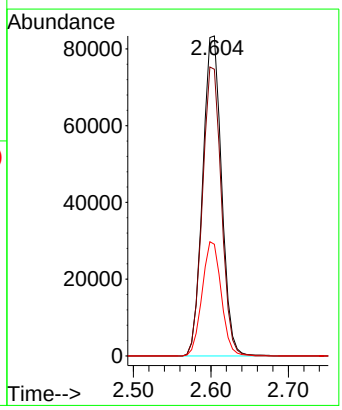


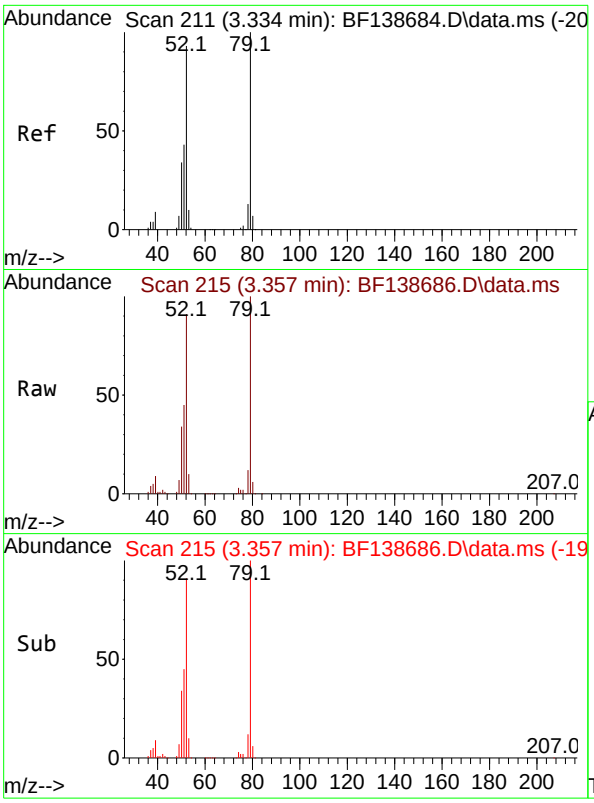


#2
1,4-Dioxane
Concen: 59.504 ng
RT: 2.604 min Scan# 87
Delta R.T. 0.029 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 88 Resp: 140904

Ion	Ratio	Lower	Upper
88	100		
58	90.5	71.6	107.4
43	36.2	28.7	43.1



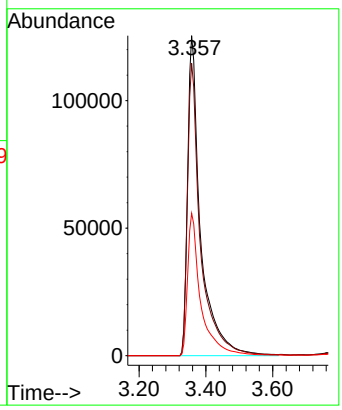


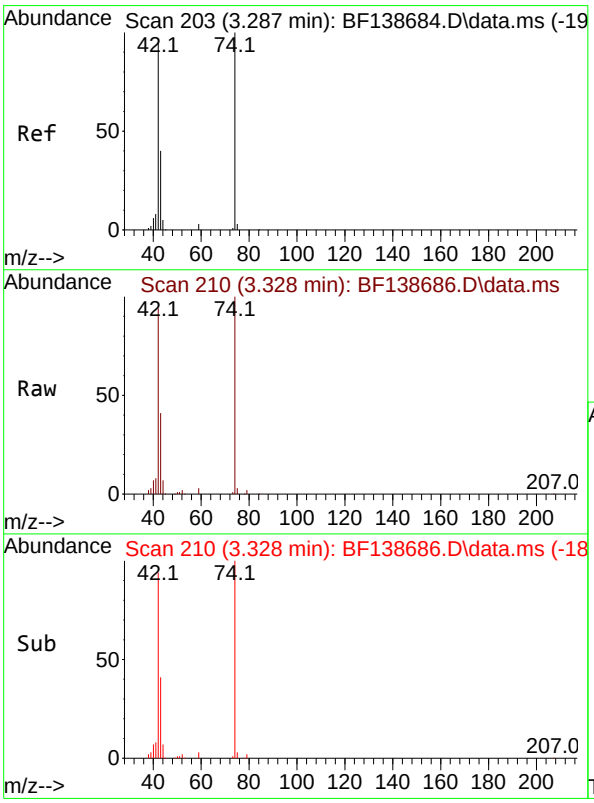
#3
Pyridine
Concen: 59.310 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 340220

Ion	Ratio	Lower	Upper
79	100		
52	91.3	74.7	112.1
51	44.5	34.6	51.8

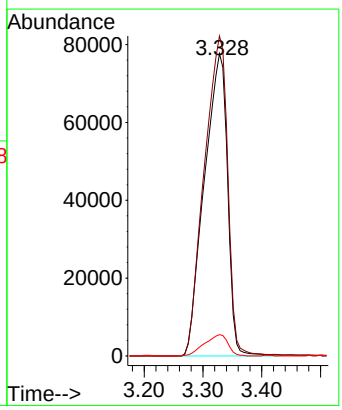


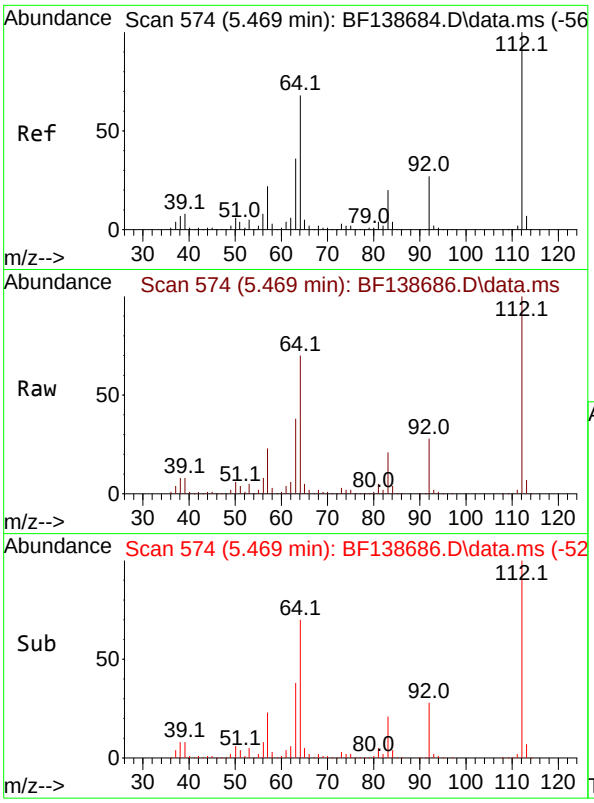


#4
n-Nitrosodimethylamine
Concen: 62.209 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.041 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 42 Resp: 212531

Ion	Ratio	Lower	Upper
42	100		
74	105.8	84.2	126.4
44	7.0	4.9	7.3



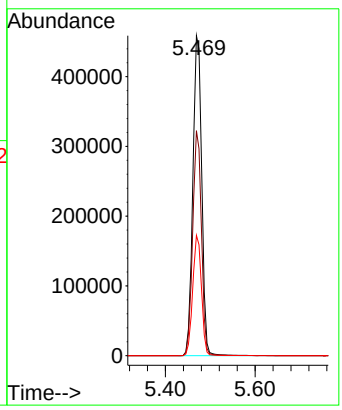


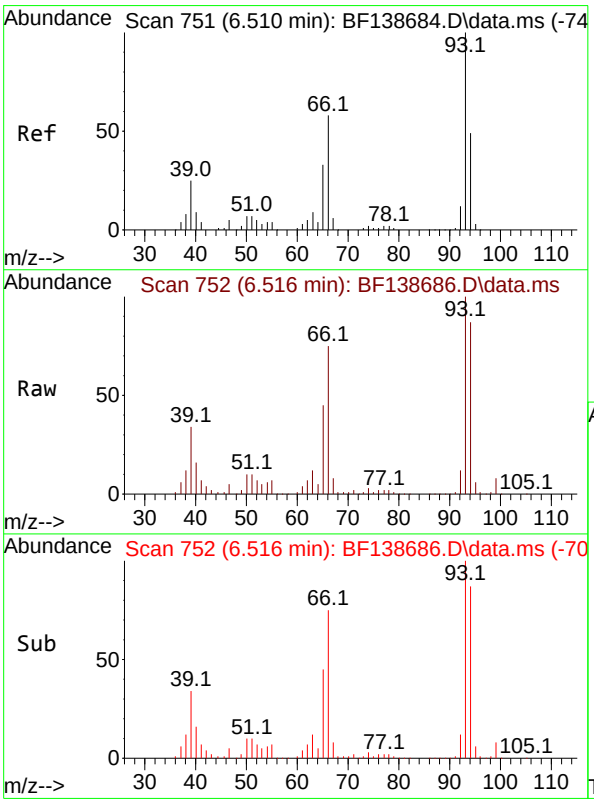
#5
2-Fluorophenol
Concen: 116.311 ng
RT: 5.469 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 629095

Ion	Ratio	Lower	Upper
112	100		
64	70.3	54.2	81.4
63	37.6	28.7	43.1

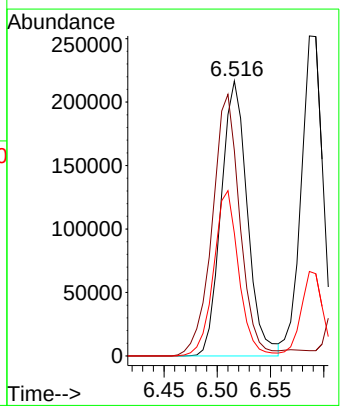


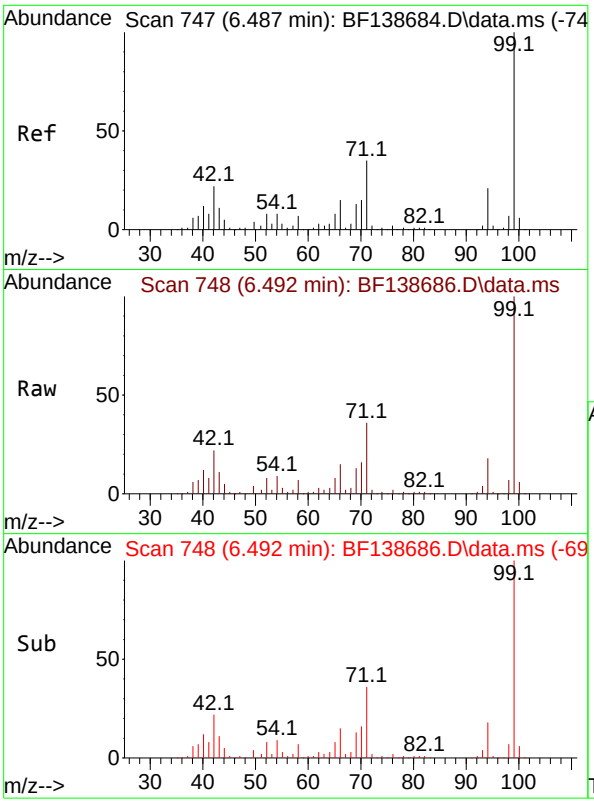


#6
Aniline
Concen: 57.223 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 93 Resp: 370584

Ion	Ratio	Lower	Upper
93	100		
66	74.7	46.9	70.3#
65	44.6	26.5	39.7#



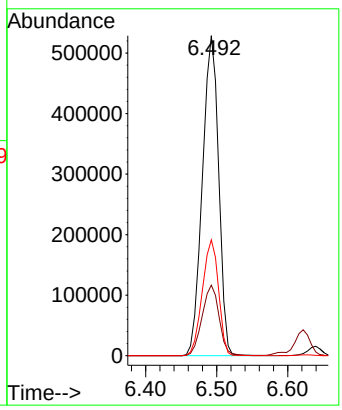


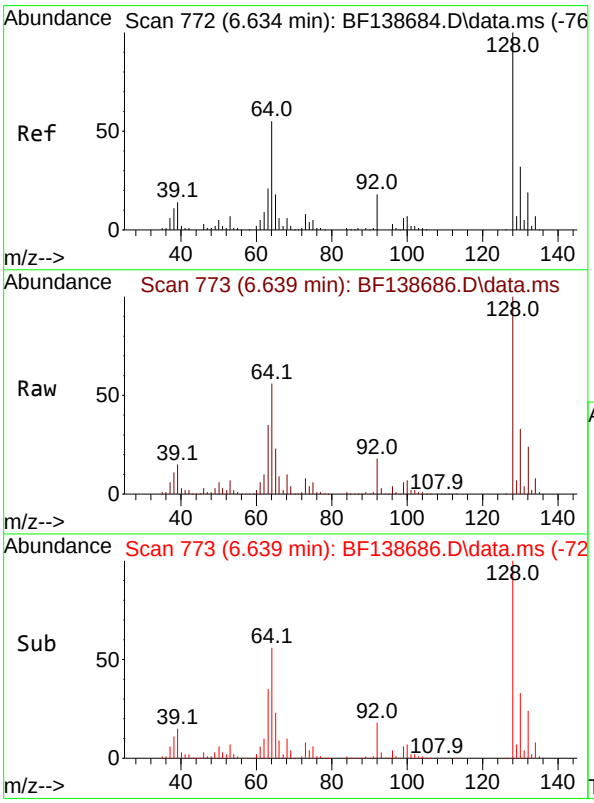
#7
Phenol-d6
Concen: 116.193 ng
RT: 6.492 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 843765

Ion	Ratio	Lower	Upper
99	100		
42	22.0	17.4	26.0
71	36.2	28.1	42.1

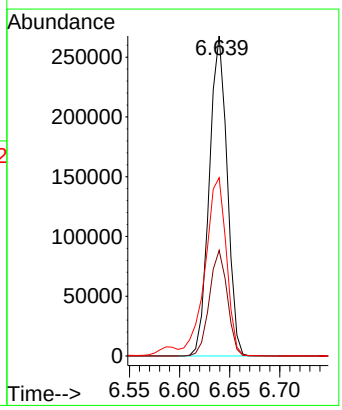


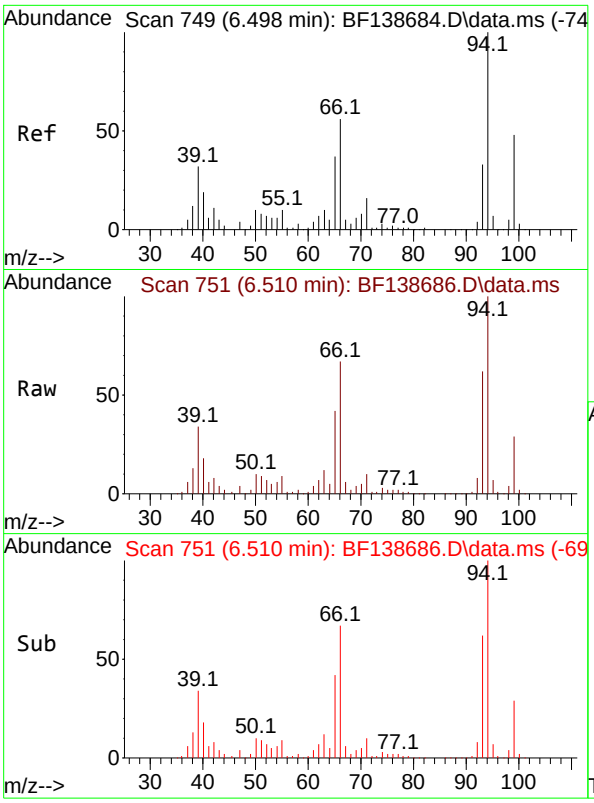


#8
2-Chlorophenol
Concen: 58.323 ng
RT: 6.639 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:128 Resp: 331893

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.0	52.0
64	55.7	36.3	76.3



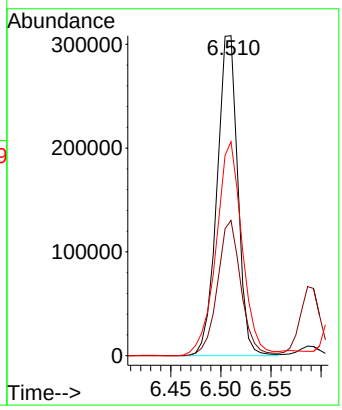


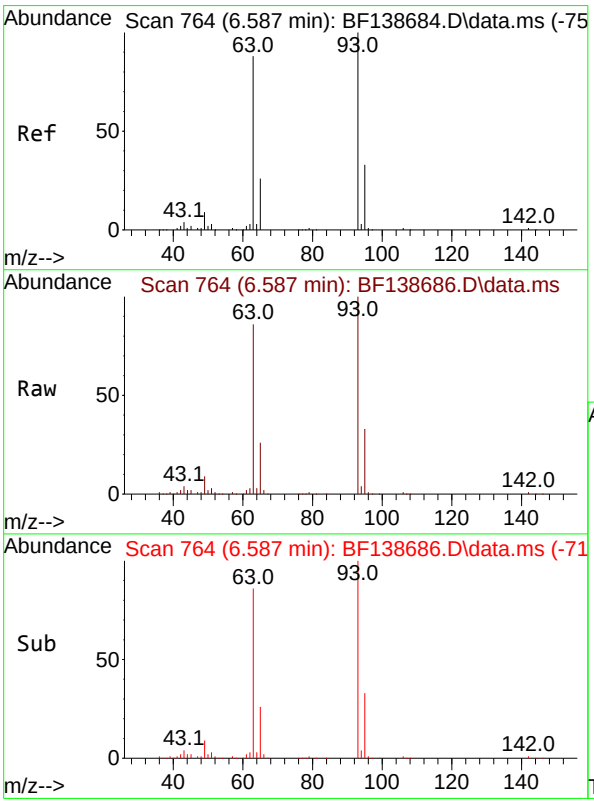
#10
Phenol
Concen: 58.012 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 94 Resp: 443551

Ion	Ratio	Lower	Upper
94	100		
65	42.2	16.9	56.9
66	66.8	36.5	76.5

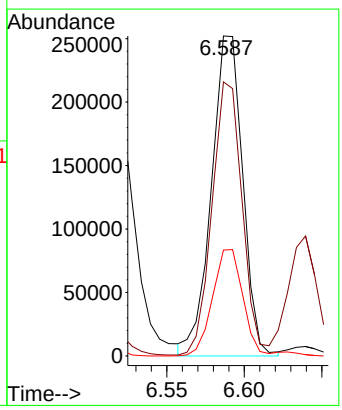


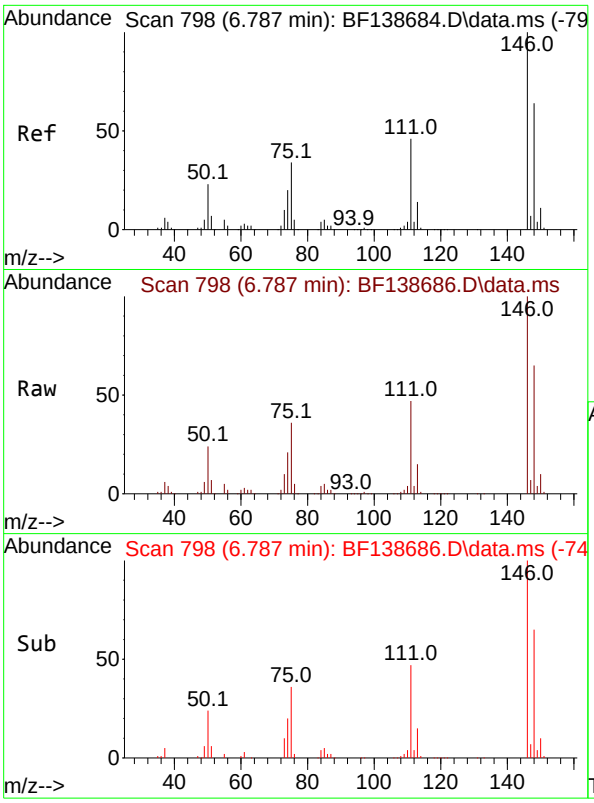


#11
bis(2-Chloroethyl)ether
Concen: 60.274 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 93 Resp: 354634

Ion	Ratio	Lower	Upper
93	100		
63	85.6	65.3	105.3
95	33.1	12.4	52.4



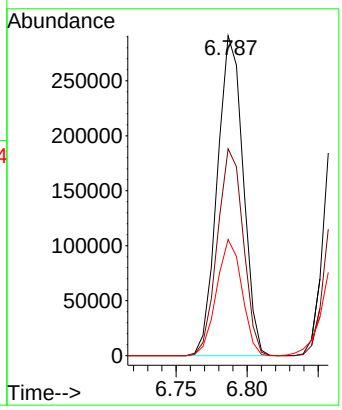


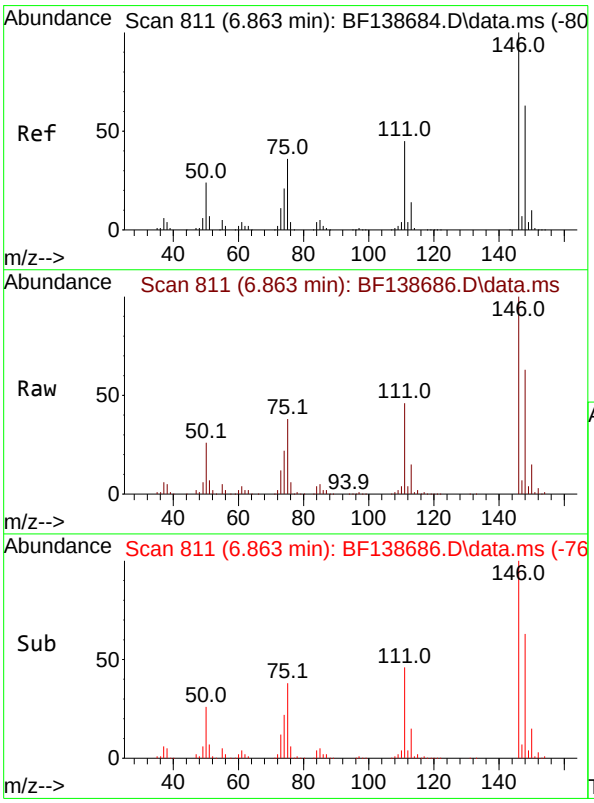
#12
1,3-Dichlorobenzene
Concen: 57.714 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 367637

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
75	36.3	27.4	41.2

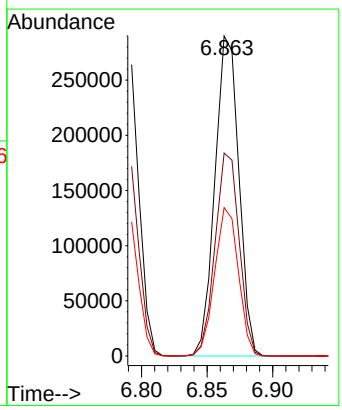


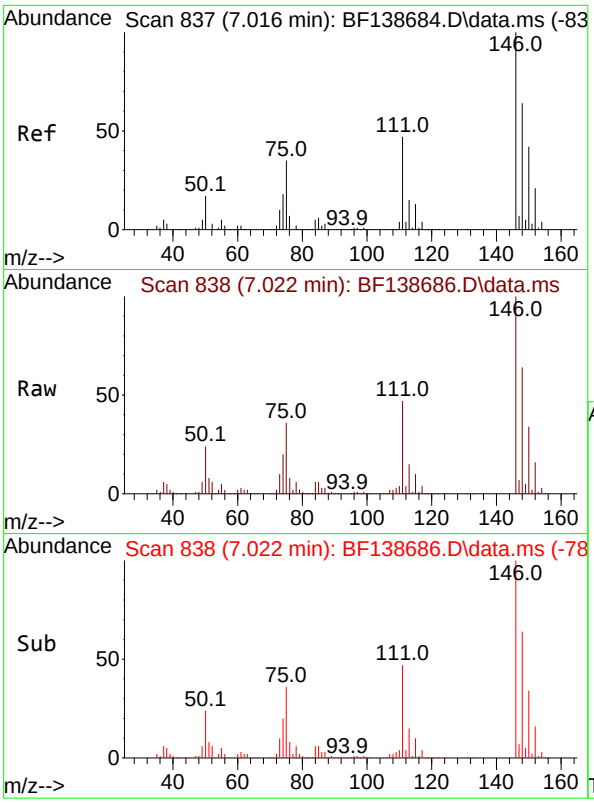


#13
1,4-Dichlorobenzene
Concen: 57.263 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:146 Resp: 368108

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	46.4	35.9	53.9



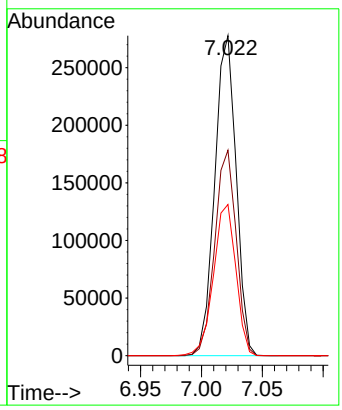


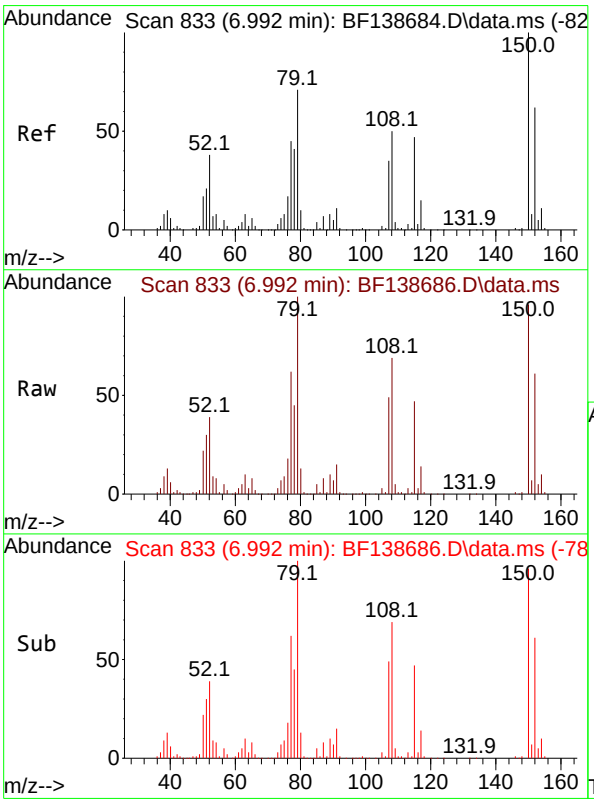
#14
1,2-Dichlorobenzene
Concen: 56.726 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 340797

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.8	76.2
111	47.2	37.4	56.2

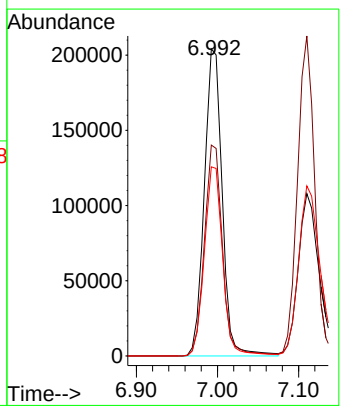


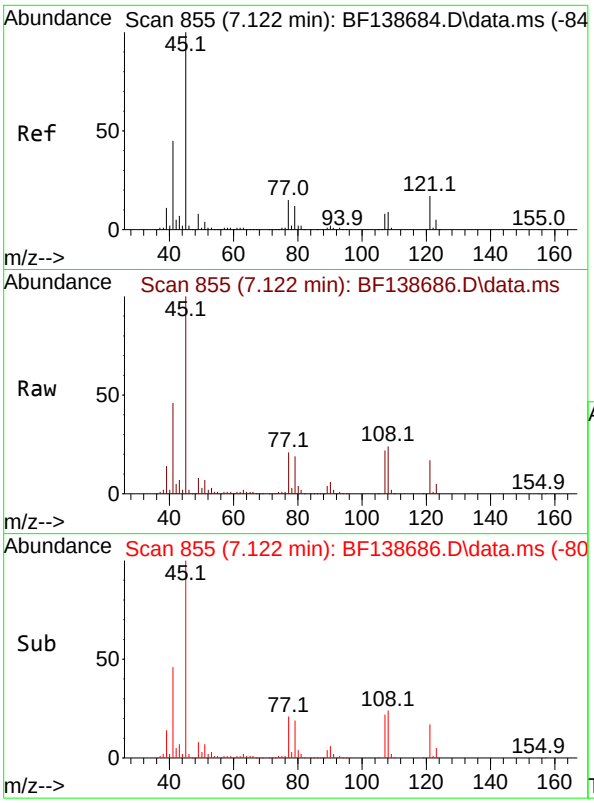


#15
Benzyl Alcohol
Concen: 59.644 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 79 Resp: 312171

Ion	Ratio	Lower	Upper
79	100		
108	68.7	56.6	85.0
77	61.6	50.3	75.5



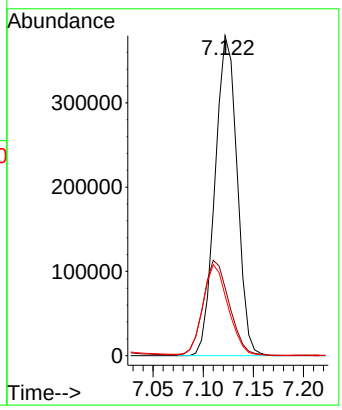


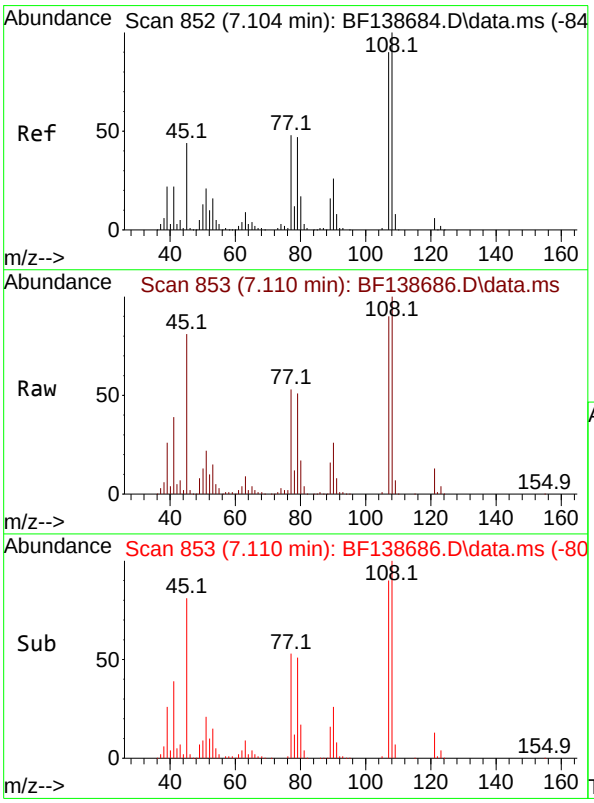
#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.327 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 45 Resp: 580475

Ion	Ratio	Lower	Upper
45	100		
77	21.2	0.0	34.9
79	18.8	0.0	32.2

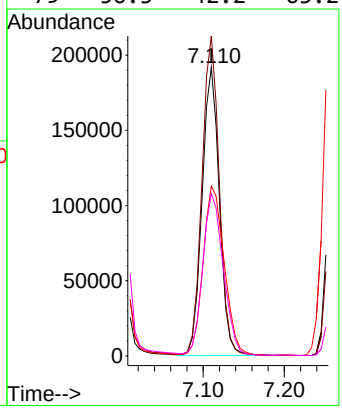


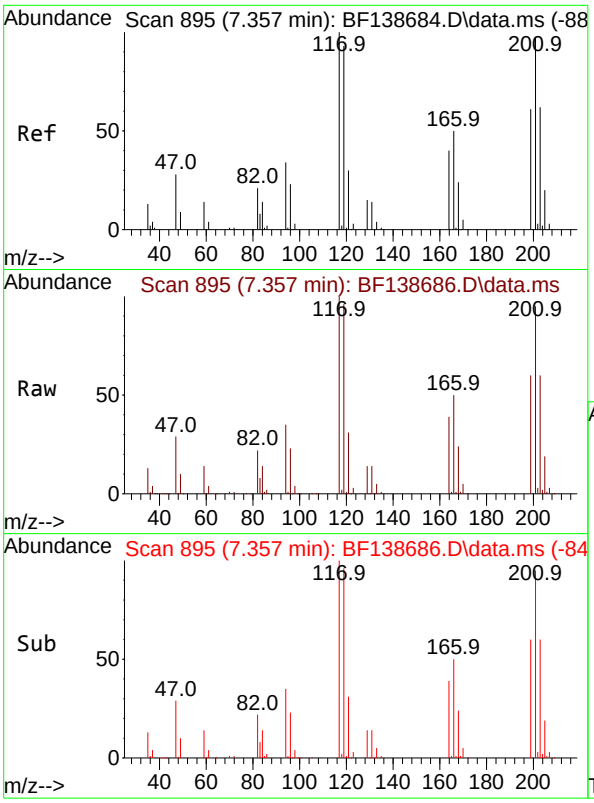


#17
2-Methylphenol
Concen: 60.223 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:107 Resp: 282986

Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.2	133.8
77	58.9	43.0	64.4
79	56.3	42.2	63.2



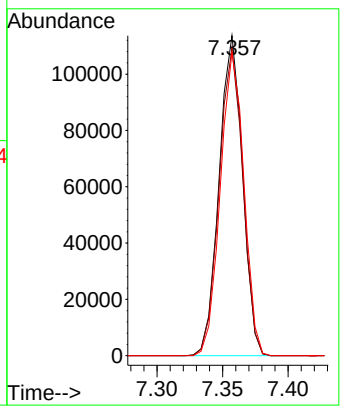


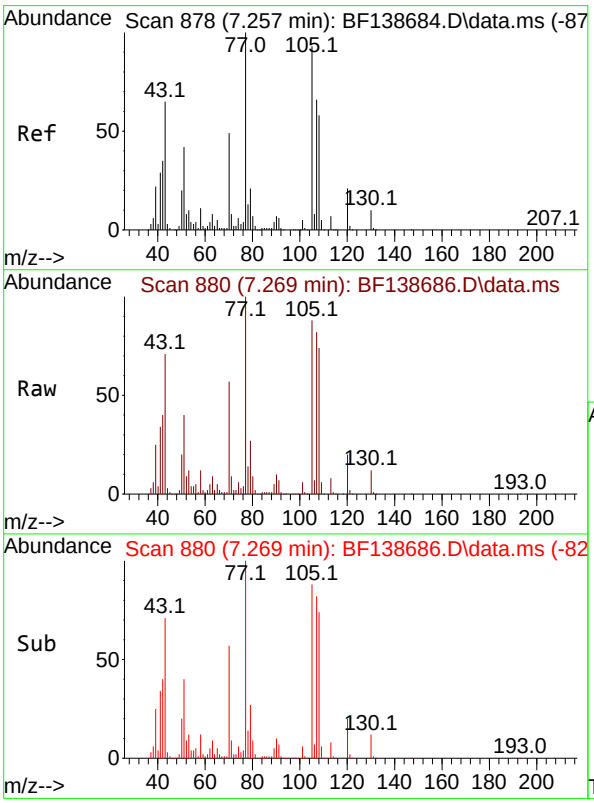
#18
Hexachloroethane
Concen: 58.427 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:117 Resp: 141381

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.6	111.8
201	94.8	77.2	115.8

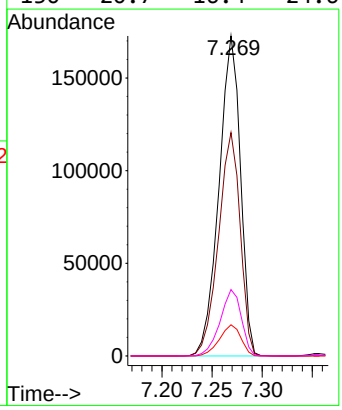


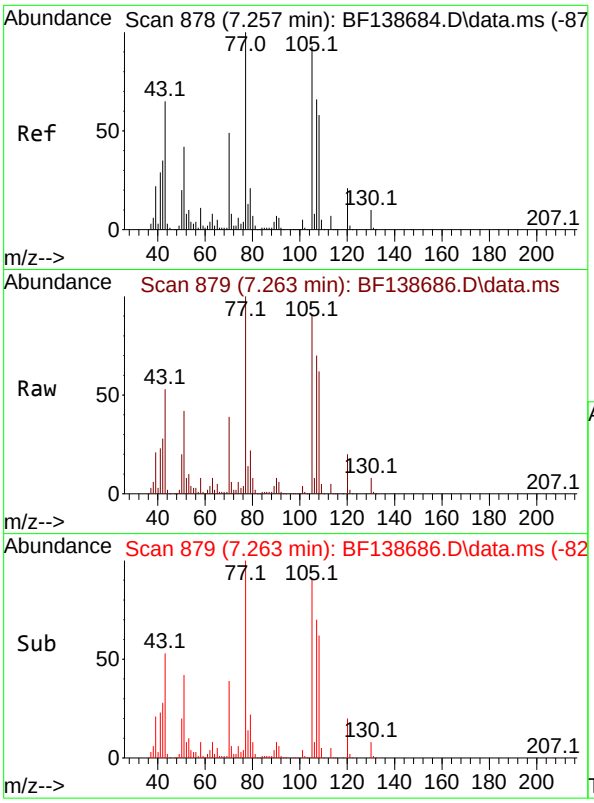


#19
n-Nitroso-di-n-propylamine
Concen: 58.537 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 70 Resp: 256740

Ion	Ratio	Lower	Upper
70	100		
42	69.8	57.4	86.0
101	9.7	7.5	11.3
130	20.7	16.4	24.6



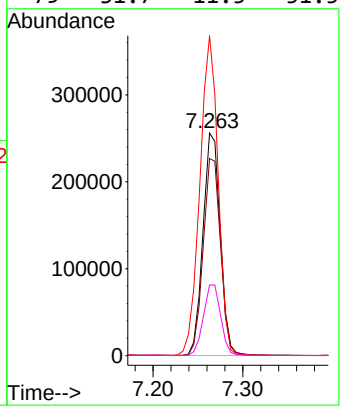


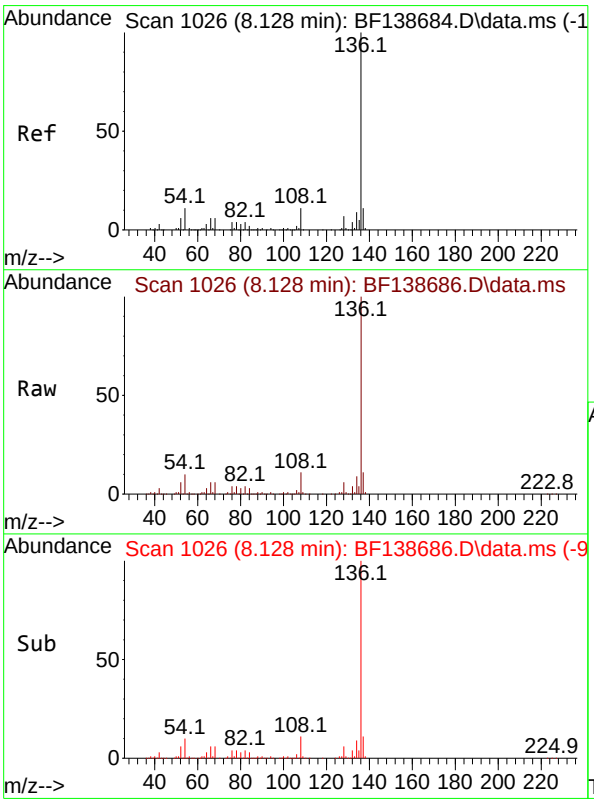
#20
3+4-Methylphenols
Concen: 56.705 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 341873

Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.2	108.2
77	143.7	132.1	172.1
79	31.7	11.5	51.5

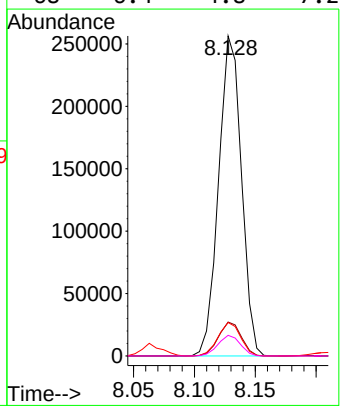


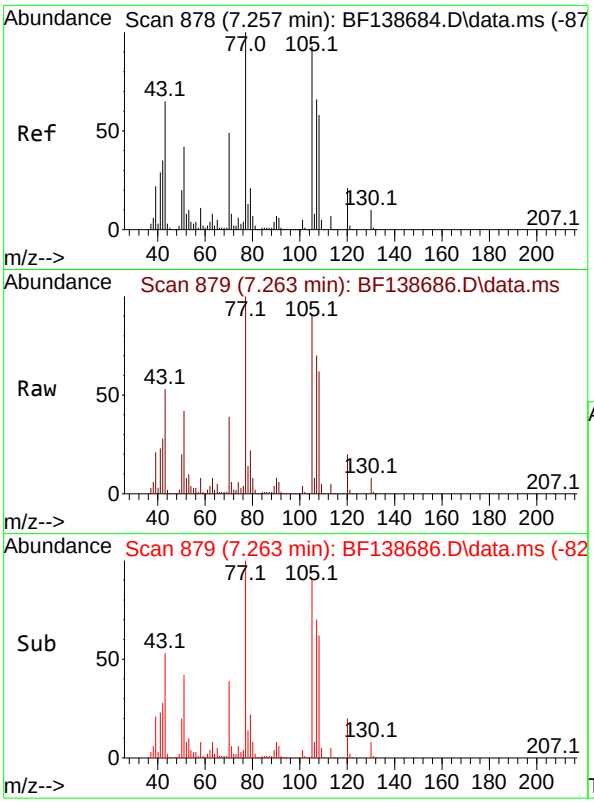


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:136 Resp: 334760

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	10.5	8.6	12.8
68	6.4	4.8	7.2



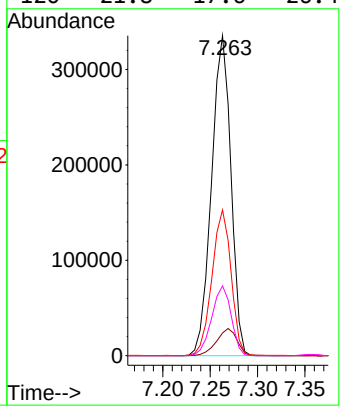


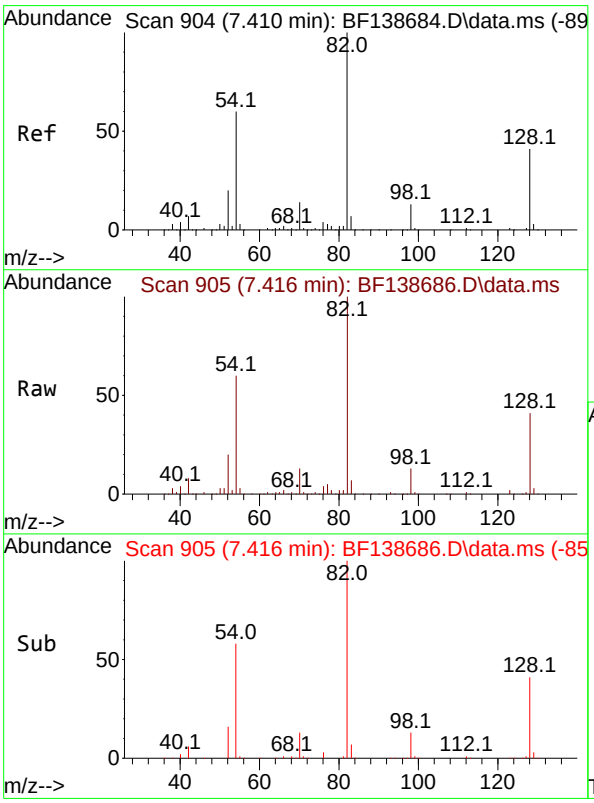
#22
Acetophenone
Concen: 58.203 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:105 Resp: 477062

Ion	Ratio	Lower	Upper
105	100		
71	7.1	7.2	10.8#
51	45.6	35.9	53.9
120	21.8	17.6	26.4

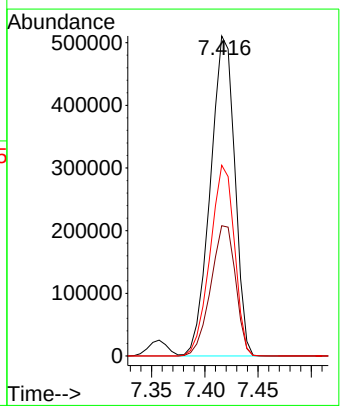


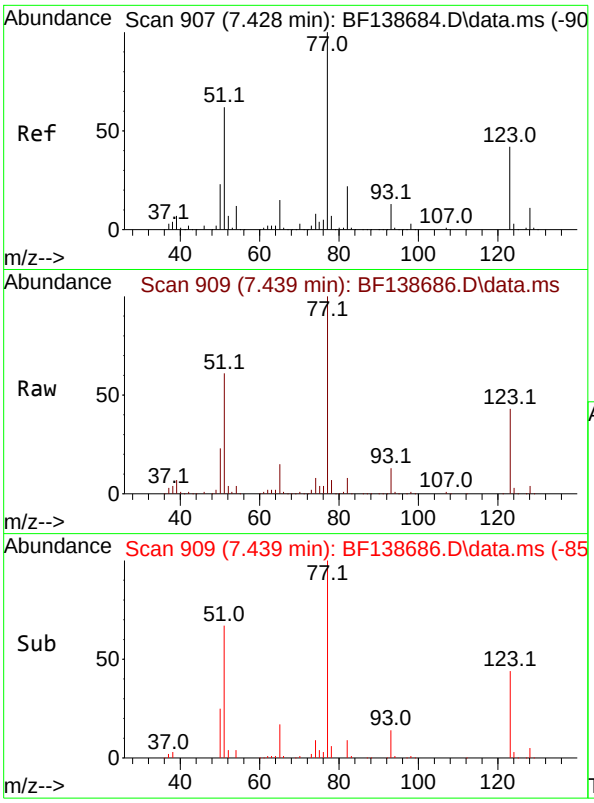


#23
Nitrobenzene-d5
Concen: 118.860 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 82 Resp: 813835

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.8	49.2
54	59.6	48.3	72.5



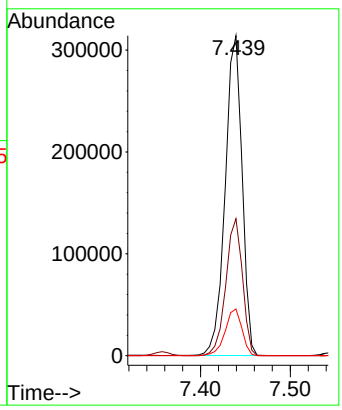


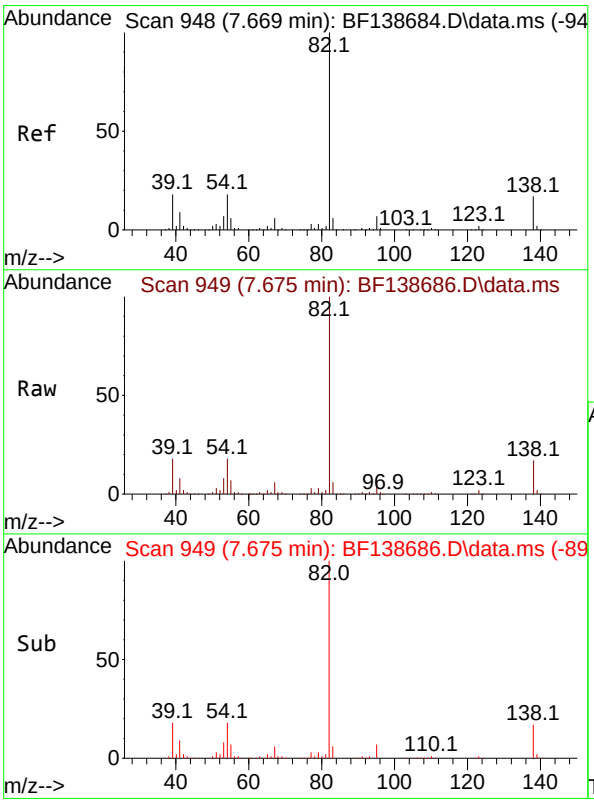
#24
Nitrobenzene
Concen: 58.938 ng
RT: 7.439 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 410640

Ion	Ratio	Lower	Upper
77	100		
123	42.8	33.3	49.9
65	14.6	11.9	17.9

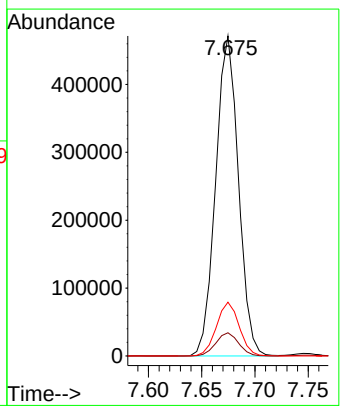


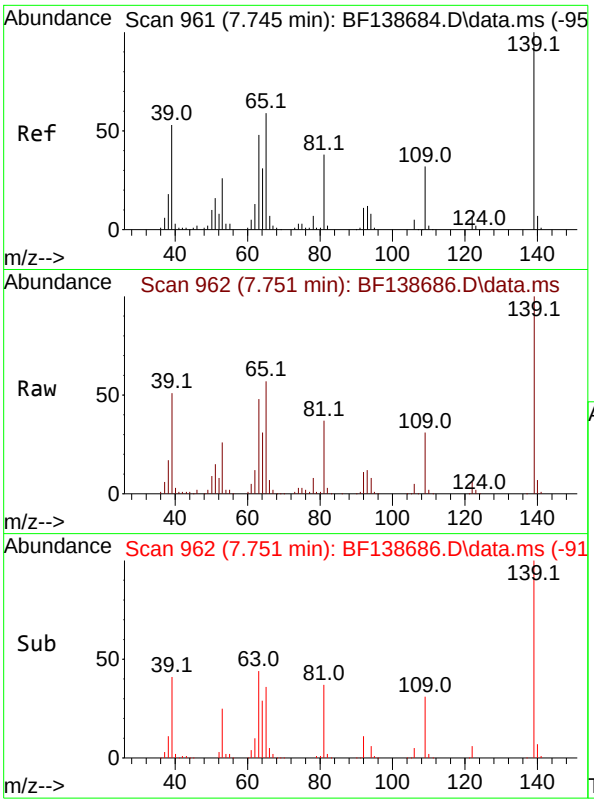


#25
Isophorone
Concen: 59.885 ng
RT: 7.675 min Scan# 949
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 82 Resp: 700155

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	16.8	13.7	20.5



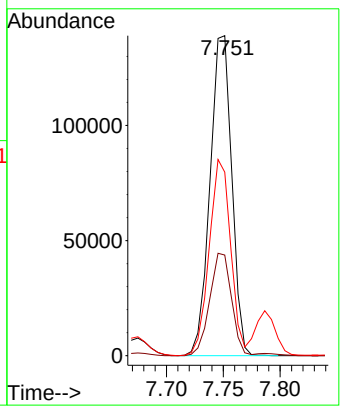


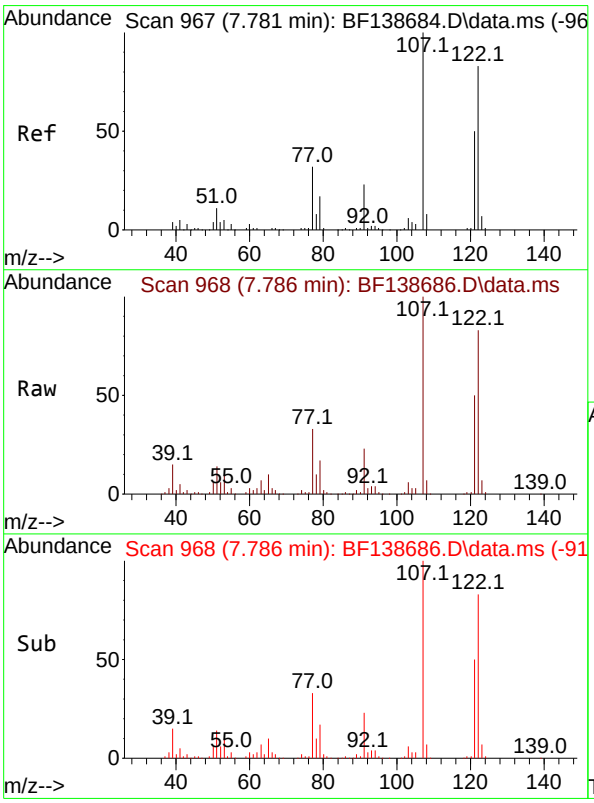
#26
2-Nitrophenol
Concen: 61.782 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:139 Resp: 185196

Ion	Ratio	Lower	Upper
139	100		
109	31.4	25.9	38.9
65	57.4	47.0	70.6

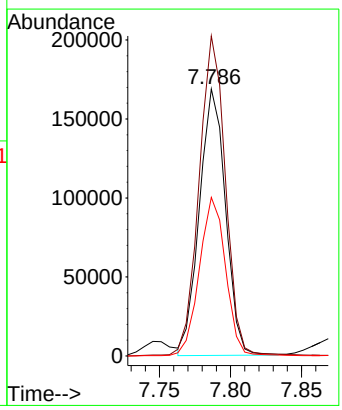


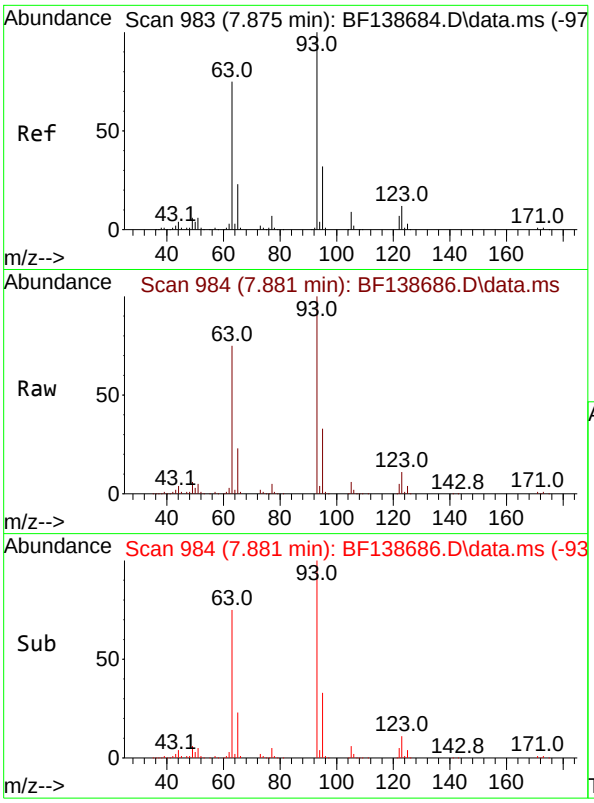


#27
2,4-Dimethylphenol
Concen: 60.254 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:122 Resp: 216101

Ion	Ratio	Lower	Upper
122	100		
107	119.8	95.0	142.6
121	59.4	47.3	70.9



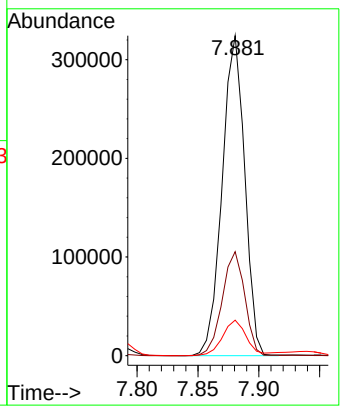


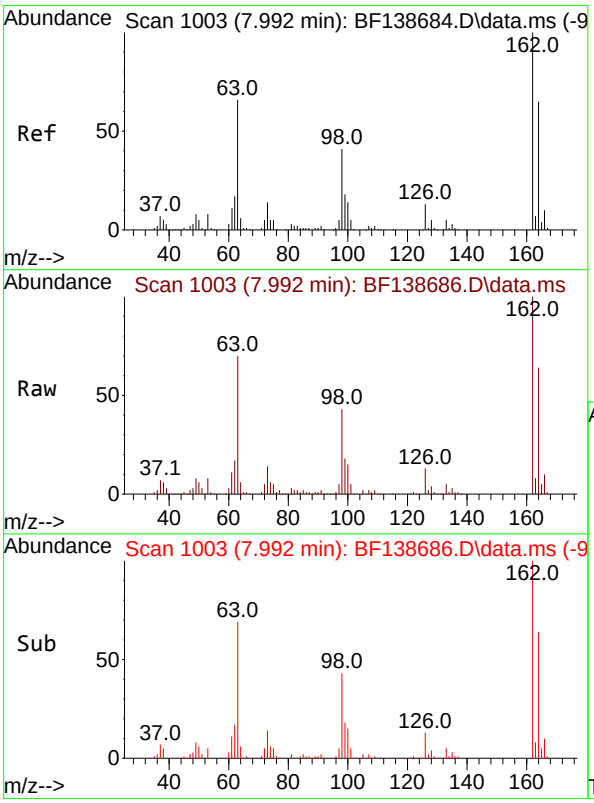
#28
bis(2-Chloroethoxy)methane
Concen: 58.667 ng
RT: 7.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 417700

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.1	9.4	14.0

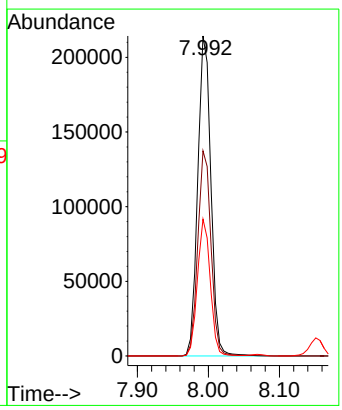


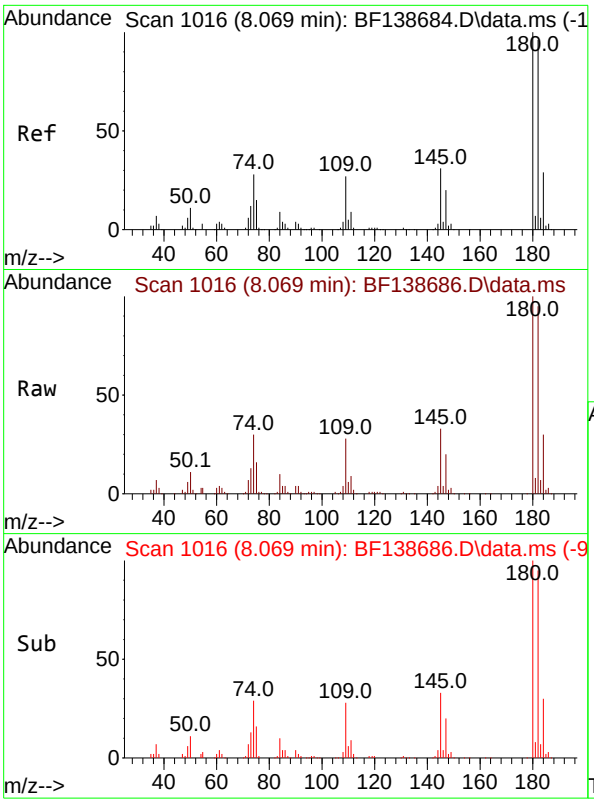


#29
2,4-Dichlorophenol
Concen: 60.060 ng
RT: 7.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:162 Resp: 276792

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.7	84.7
98	42.8	20.8	60.8



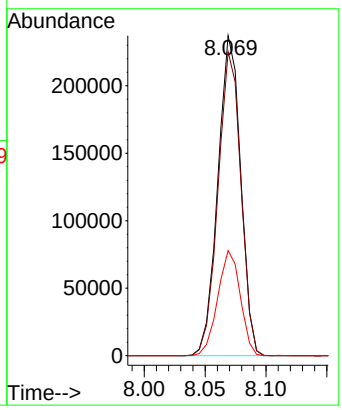


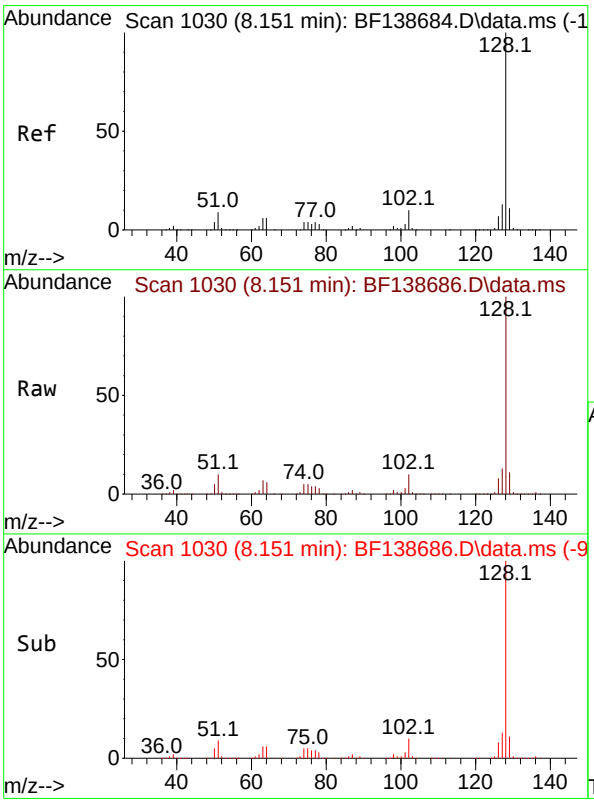
#30
1,2,4-Trichlorobenzene
Concen: 58.085 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:180 Resp: 308922

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
145	32.9	25.0	37.4

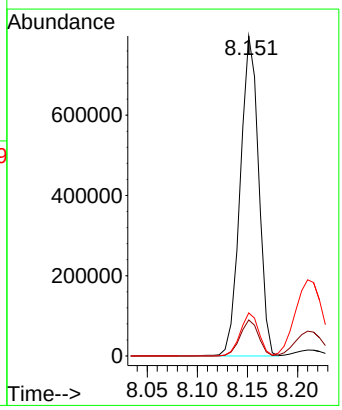


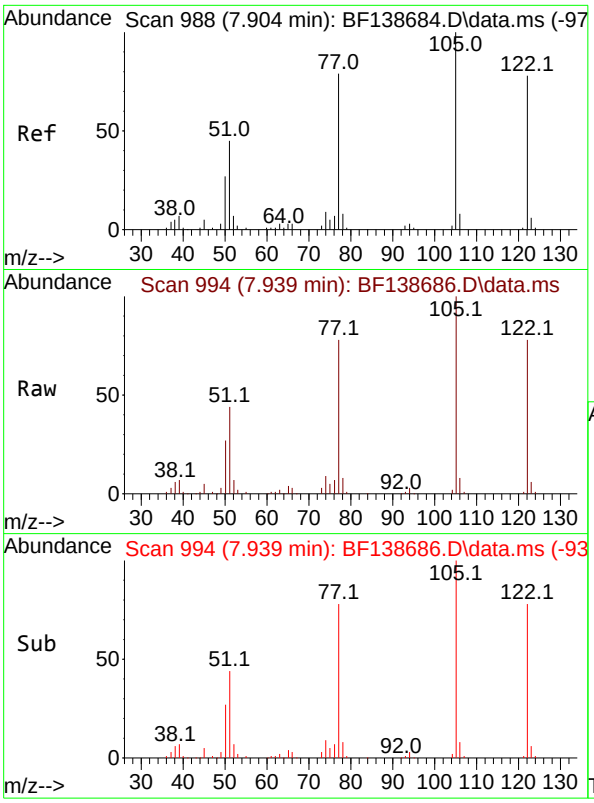


#31
Naphthalene
Concen: 57.817 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:128 Resp: 1018783

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.5	10.6	16.0



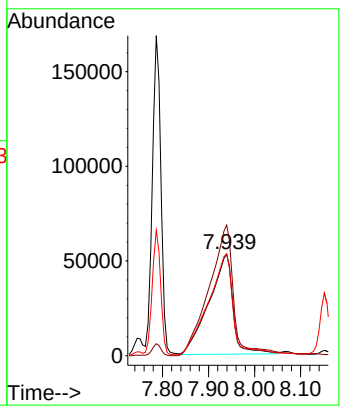


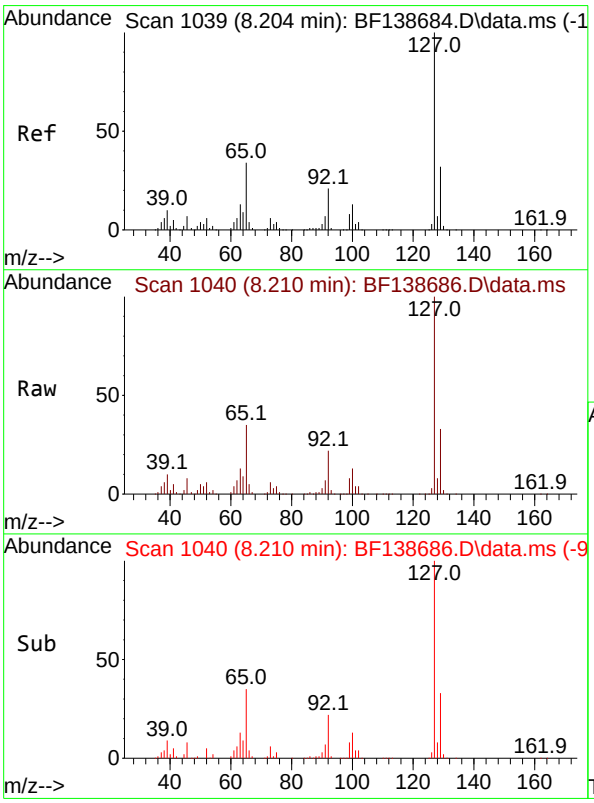
#32
Benzoic acid
Concen: 67.875 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 191273

Ion	Ratio	Lower	Upper
122	100		
105	128.7	106.7	146.7
77	100.2	81.1	121.1

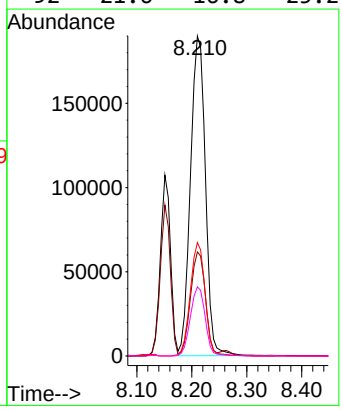


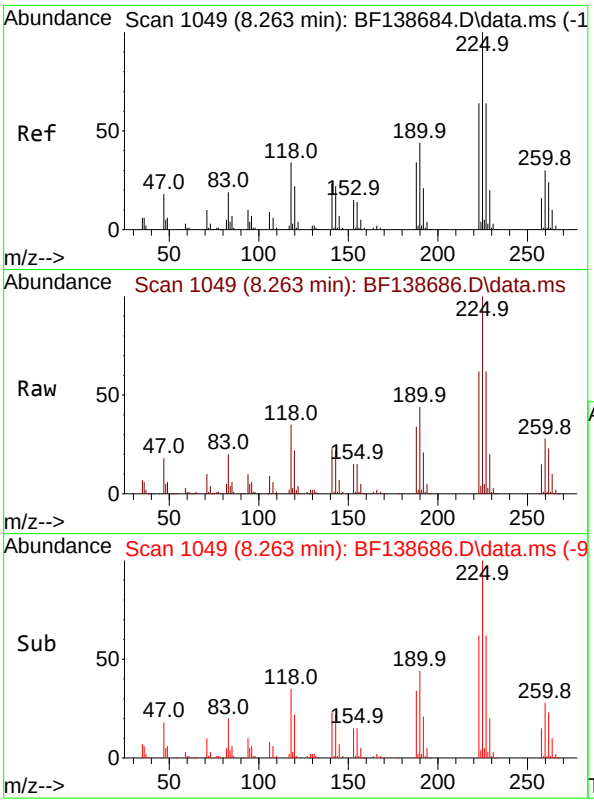


#33
4-Chloroaniline
Concen: 60.700 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:127 Resp: 359031

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.9	38.9
65	35.4	27.6	41.4
92	21.6	16.8	25.2



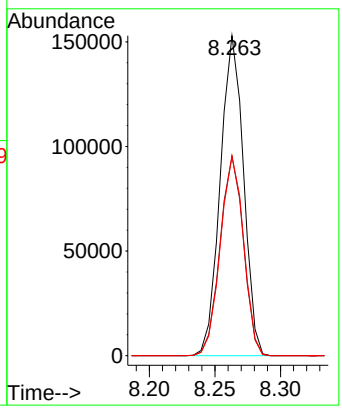


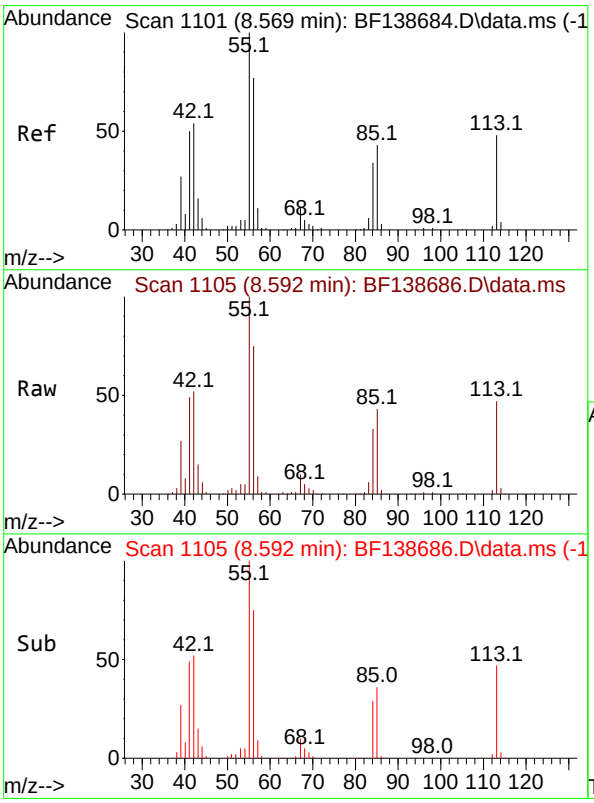
#34
Hexachlorobutadiene
Concen: 58.445 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:225 Resp: 188273

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

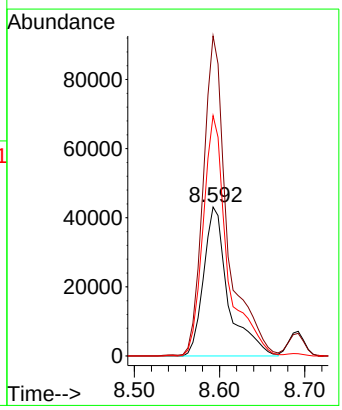


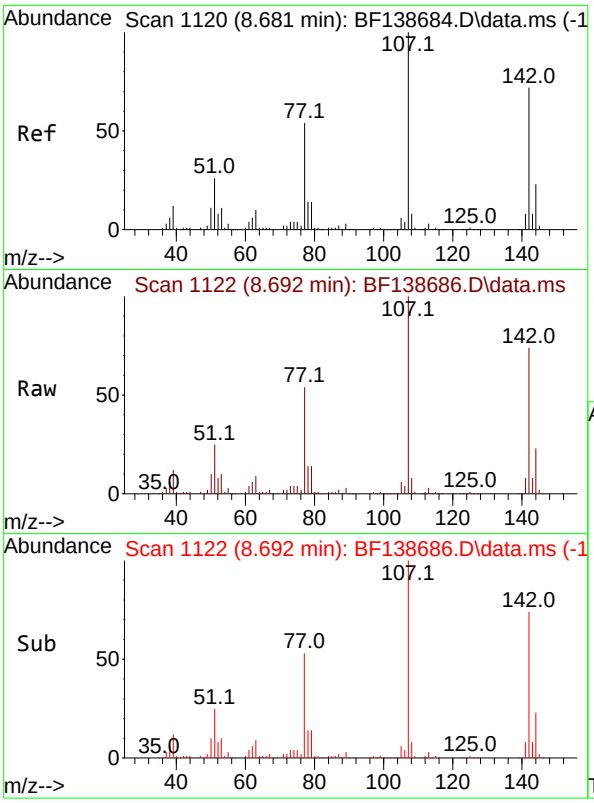


#35
Caprolactam
Concen: 63.184 ng
RT: 8.592 min Scan# 1105
Delta R.T. 0.023 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:113 Resp: 86887

Ion	Ratio	Lower	Upper
113	100		
55	214.9	186.7	226.7
56	161.4	138.9	178.9



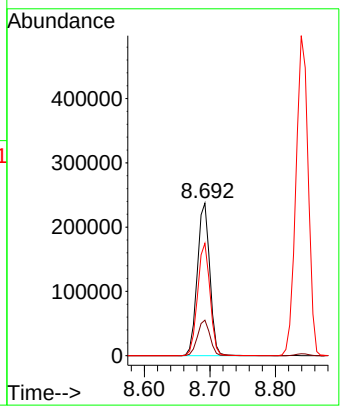


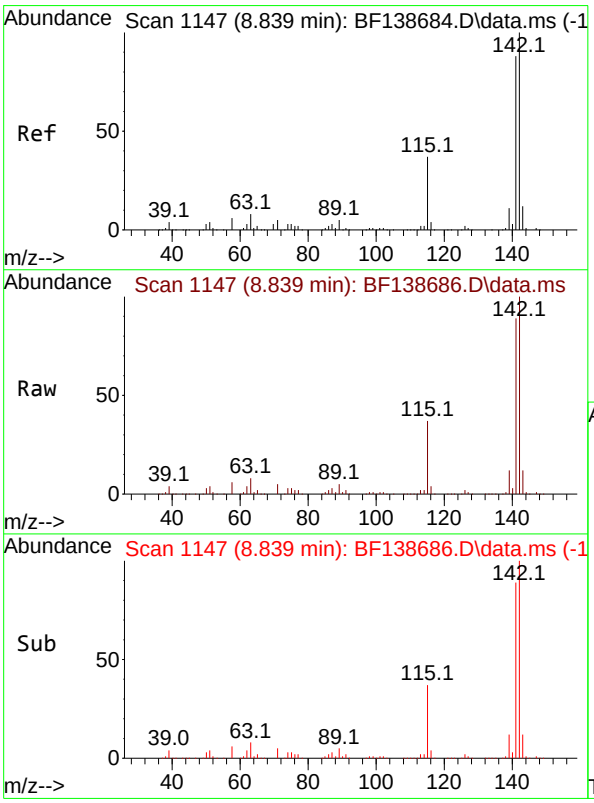
#36
4-Chloro-3-methylphenol
Concen: 59.904 ng
RT: 8.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 315510

Ion	Ratio	Lower	Upper
107	100		
144	23.3	18.2	27.2
142	73.7	57.4	86.2

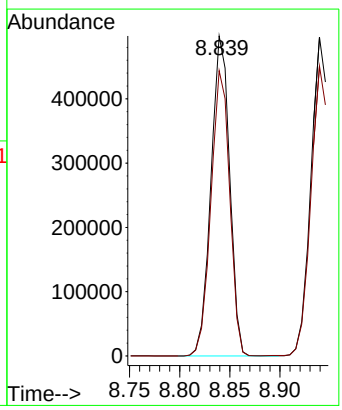


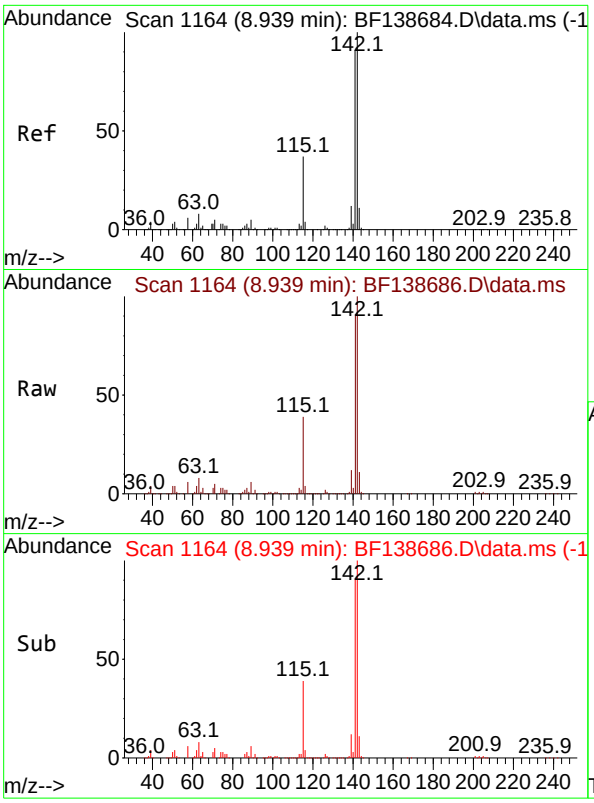


#37
2-Methylnaphthalene
Concen: 57.790 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:142 Resp: 643115

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2



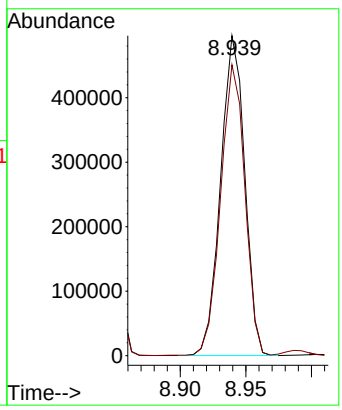


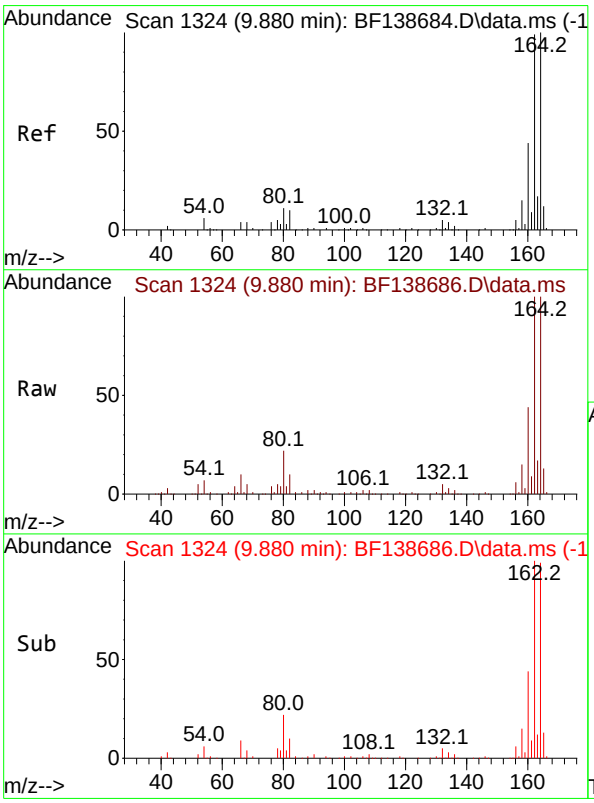
#38
1-Methylnaphthalene
Concen: 58.134 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 633938

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.1	109.7

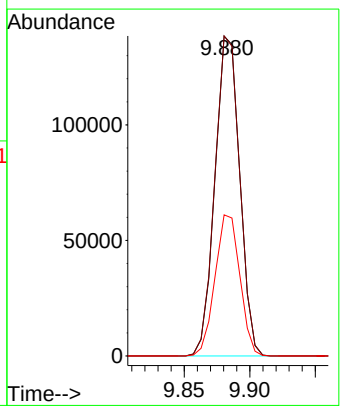


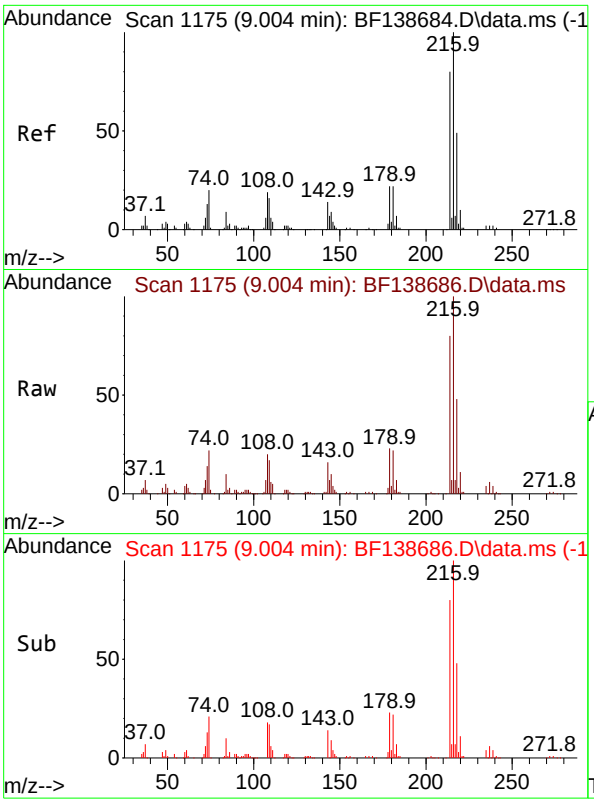


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:164 Resp: 181338

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.1	35.1	52.7



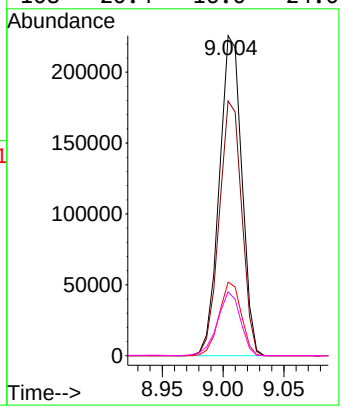


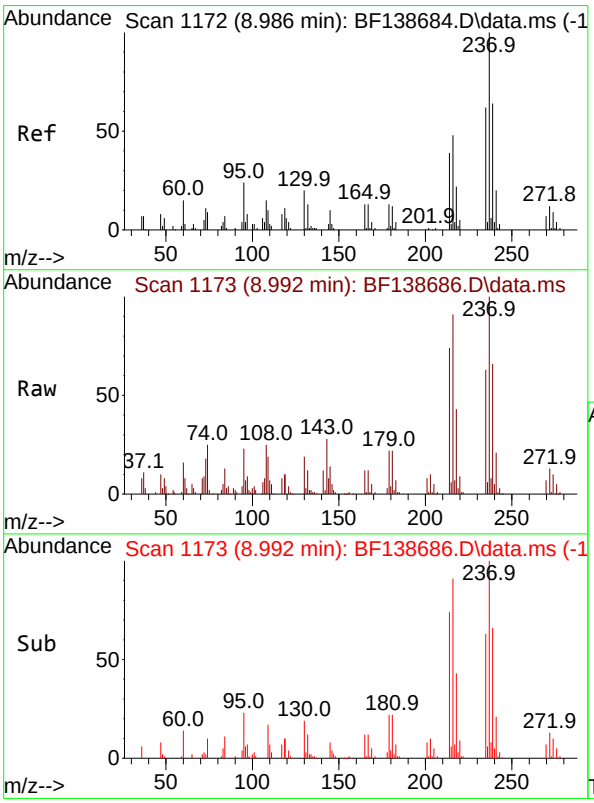
#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.629 ng
RT: 9.004 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:216 Resp: 290297

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.9	95.9
179	22.7	17.8	26.6
108	20.4	16.0	24.0

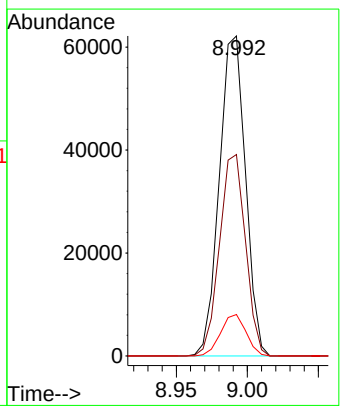


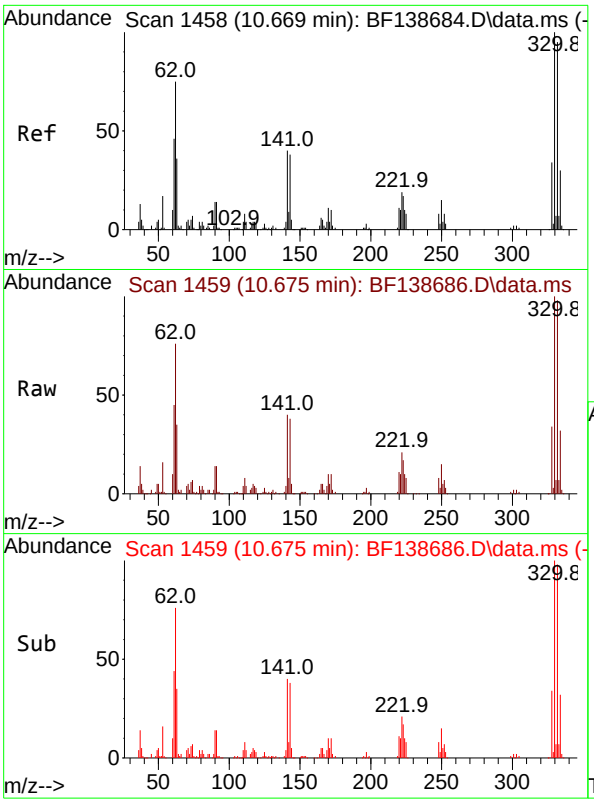


#41
Hexachlorocyclopentadiene
Concen: 61.472 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:237 Resp: 79605

Ion	Ratio	Lower	Upper
237	100		
235	63.0	41.8	81.8
272	13.0	0.0	32.2



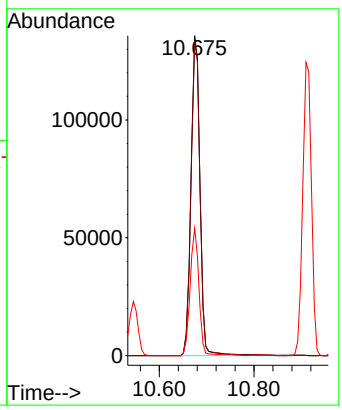


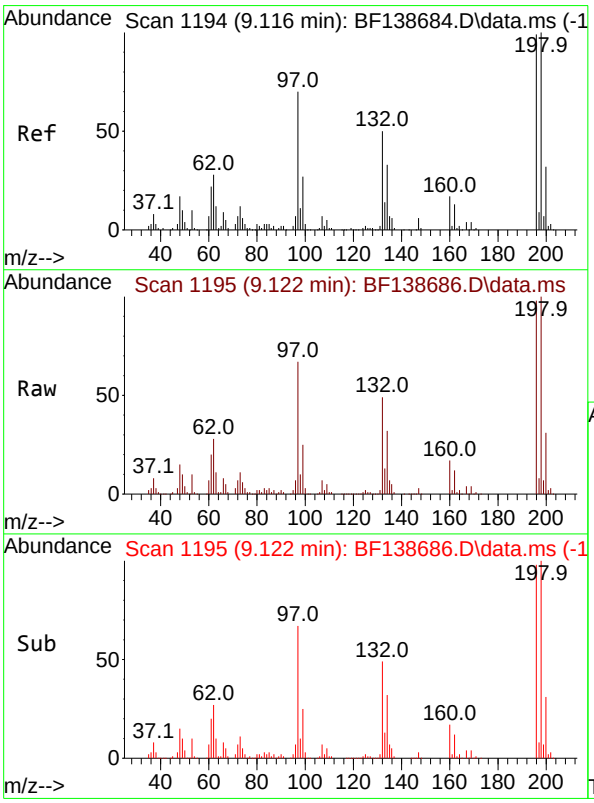
#42
2,4,6-Tribromophenol
Concen: 121.541 ng
RT: 10.675 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:330 Resp: 180537

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.4	114.6
141	38.5	31.1	46.7

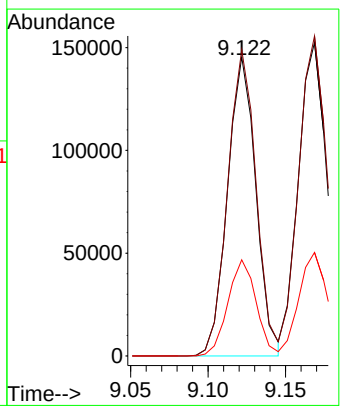


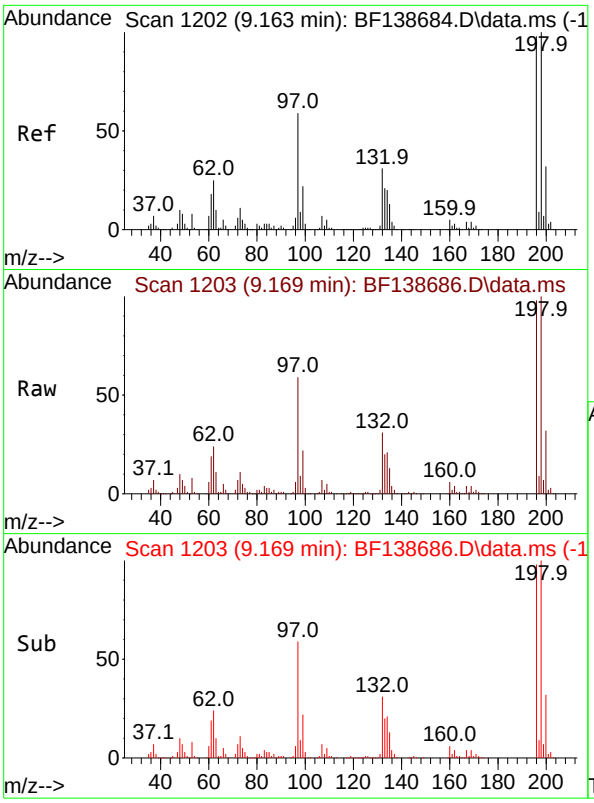


#43
2,4,6-Trichlorophenol
Concen: 60.432 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:196 Resp: 185606

Ion	Ratio	Lower	Upper
196	100		
198	102.4	80.5	120.7
200	32.1	25.9	38.9



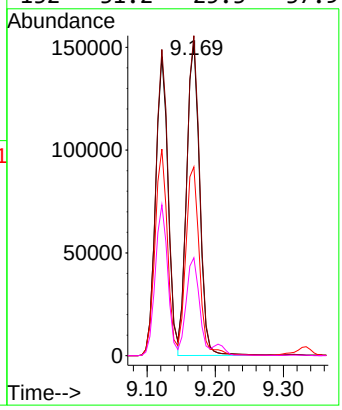


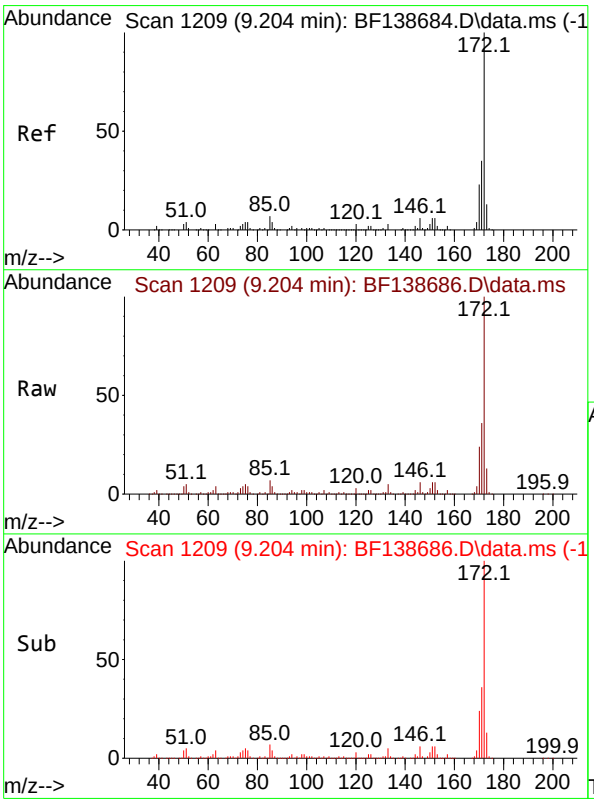
#44
2,4,5-Trichlorophenol
Concen: 59.615 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 200163

Ion	Ratio	Lower	Upper
196	100		
198	102.1	81.2	121.8
97	60.2	47.8	71.6
132	31.2	25.3	37.9

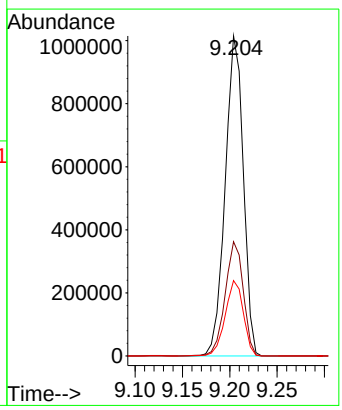


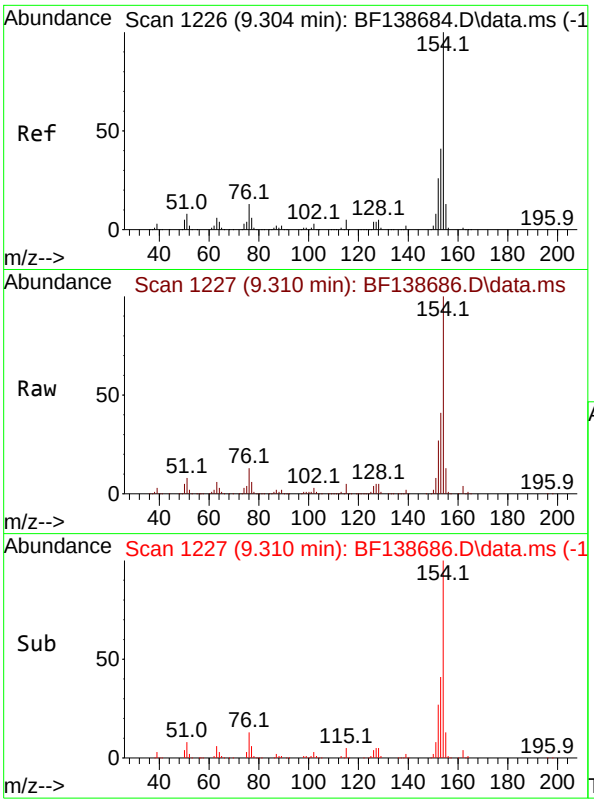


#45
2-Fluorobiphenyl
Concen: 111.967 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:172 Resp: 1351342

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.6	18.8	28.2



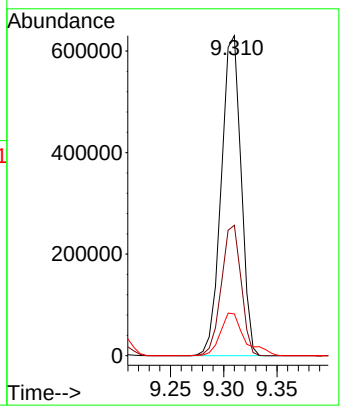


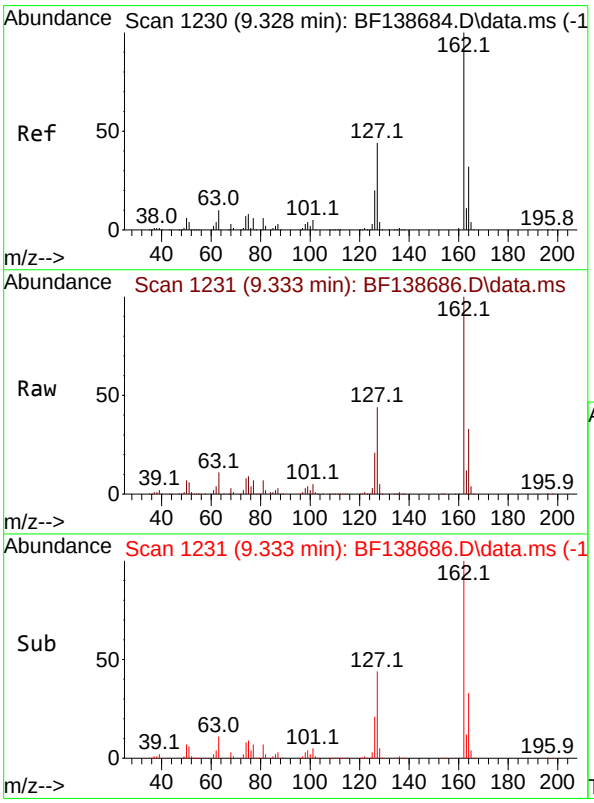
#46
1,1'-Biphenyl
Concen: 57.355 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 814566

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	13.1	0.0	32.8

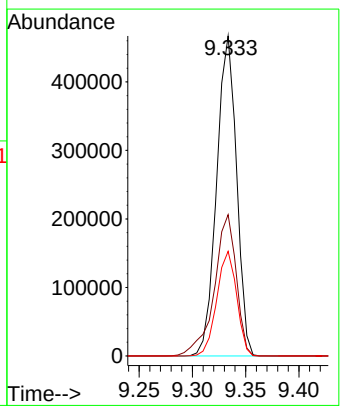


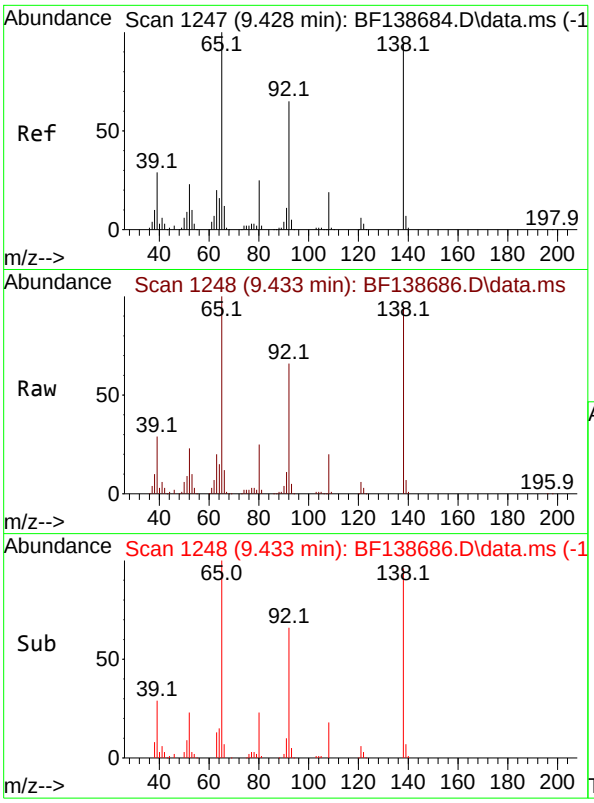


#47
2-Chloronaphthalene
Concen: 57.372 ng
RT: 9.333 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:162 Resp: 605996

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.4	53.2
164	32.7	25.6	38.4



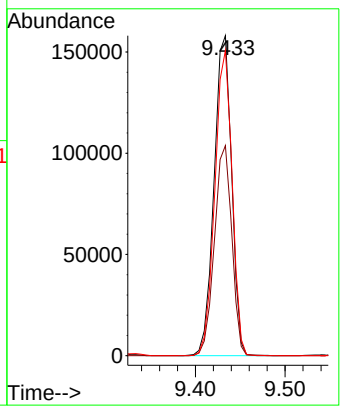


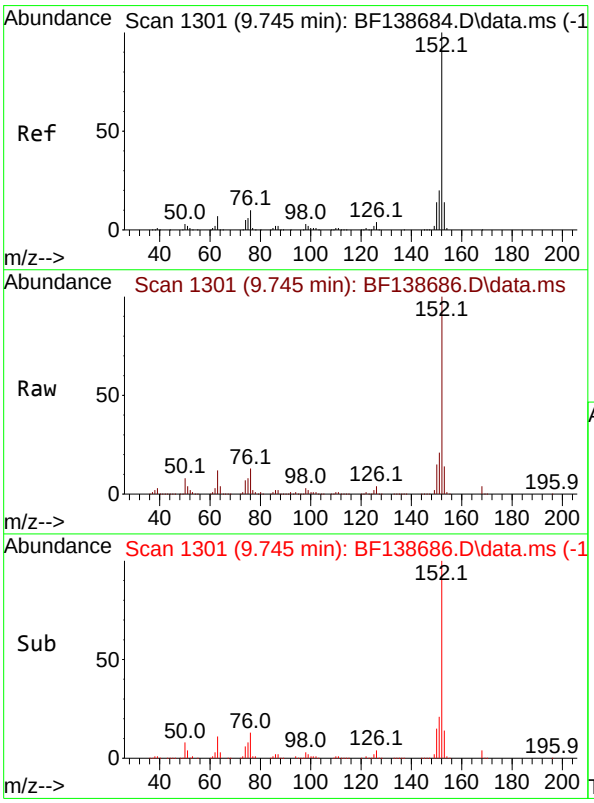
#48
2-Nitroaniline
Concen: 59.957 ng
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 65 Resp: 214695

Ion	Ratio	Lower	Upper
65	100		
92	65.7	52.0	78.0
138	95.4	76.2	114.4

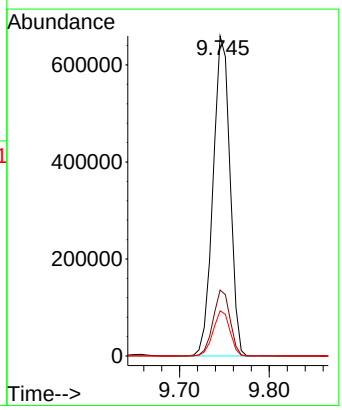


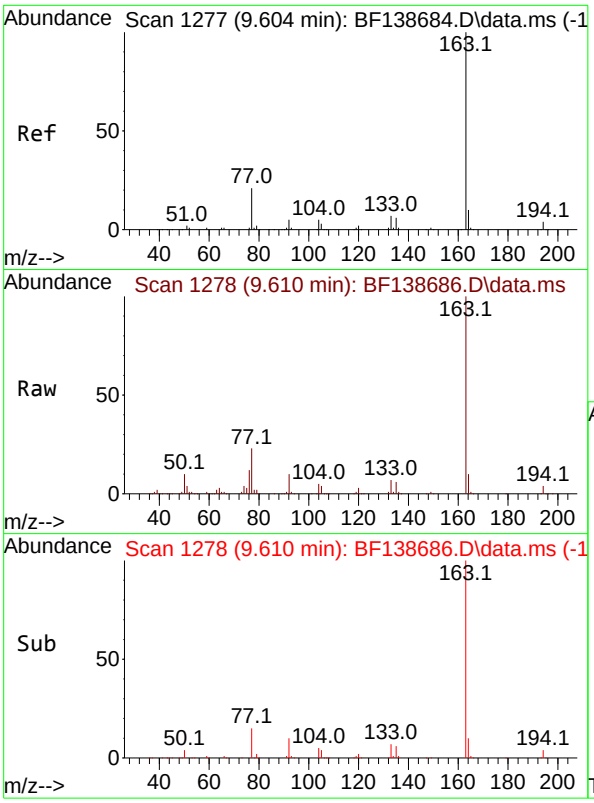


#49
Acenaphthylene
Concen: 57.648 ng
RT: 9.745 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:152 Resp: 863615

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	14.1	11.0	16.4



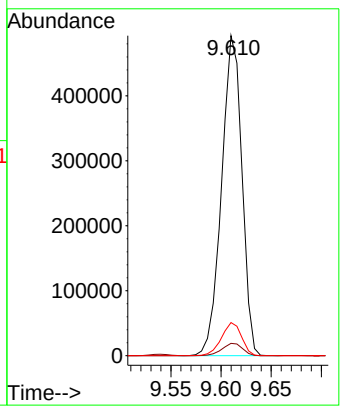


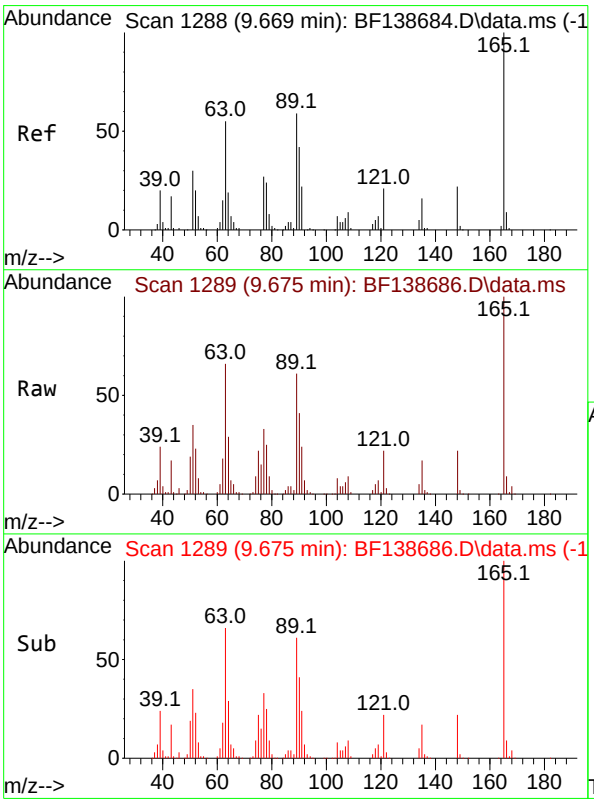
#50
Dimethylphthalate
Concen: 59.957 ng
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:163 Resp: 695202

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	7.8	11.8

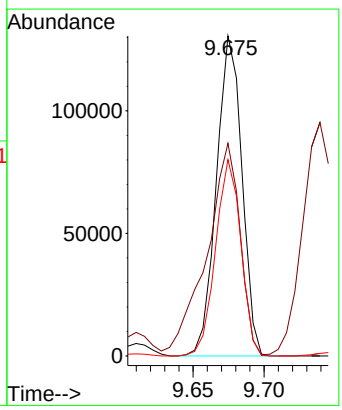


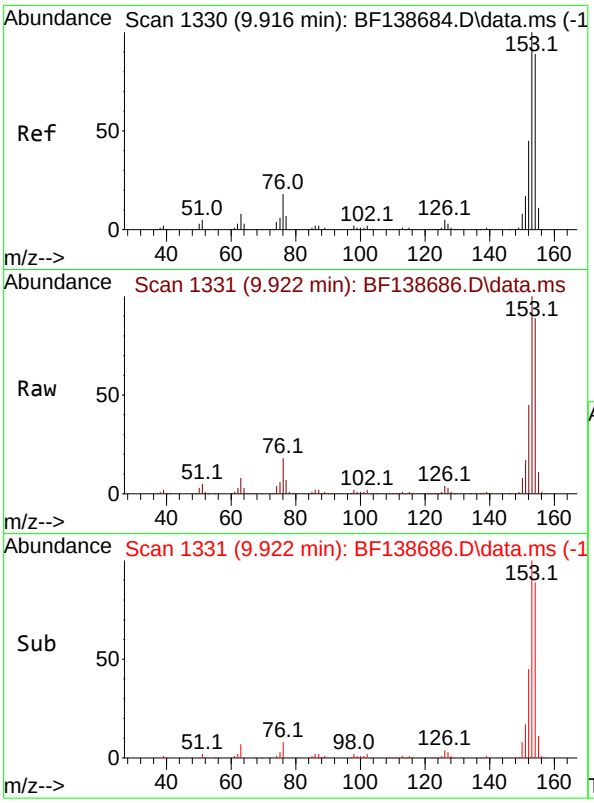


#51
2,6-Dinitrotoluene
Concen: 62.290 ng
RT: 9.675 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:165 Resp: 163000

Ion	Ratio	Lower	Upper
165	100		
63	66.5	52.0	78.0
89	61.3	47.0	70.6



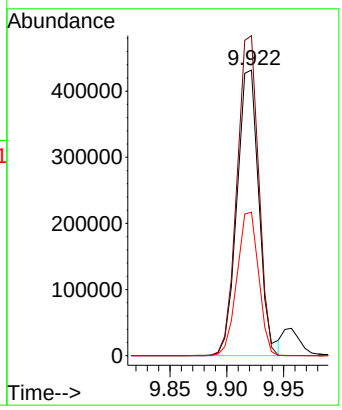


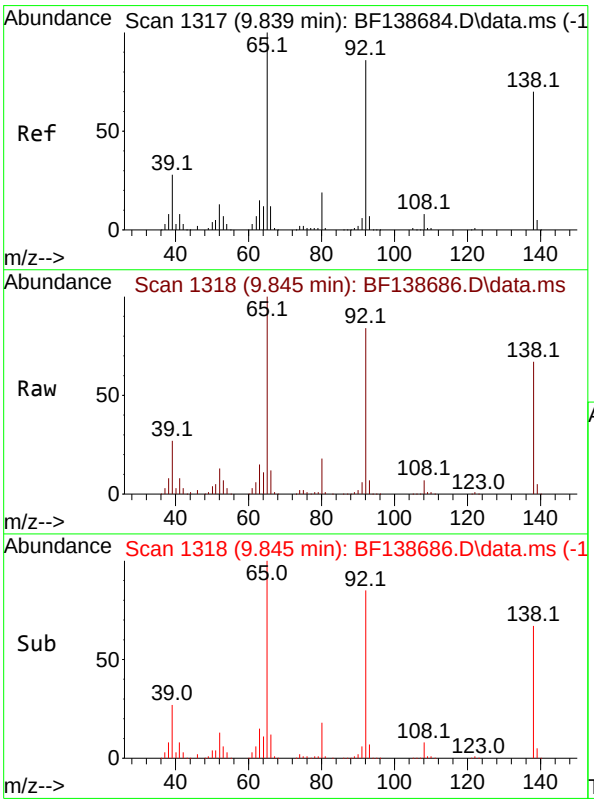
#52
Acenaphthene
Concen: 57.743 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 581492

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.9	134.9
152	50.3	40.6	60.8

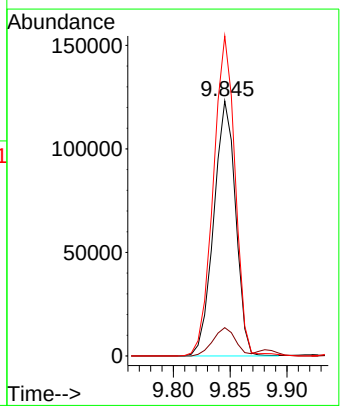


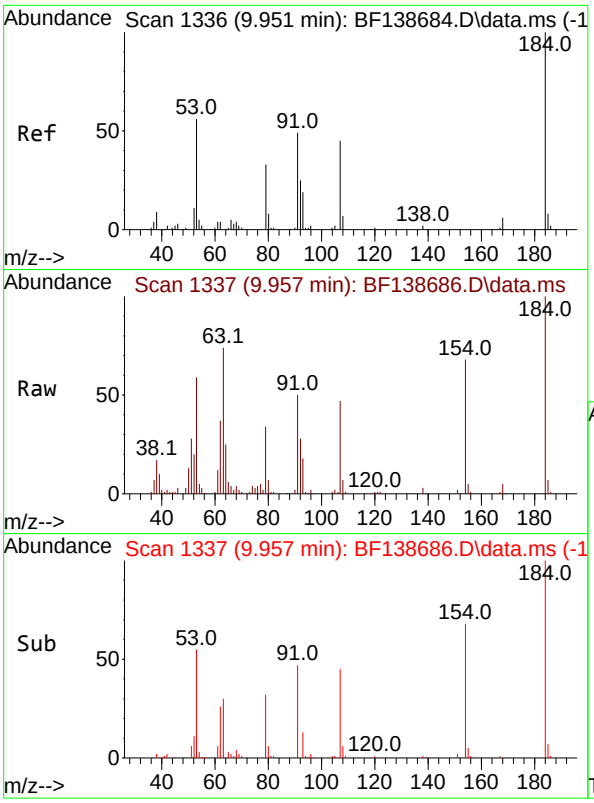


#53
3-Nitroaniline
Concen: 61.007 ng
RT: 9.845 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:138 Resp: 165034

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.1	13.7
92	125.5	98.7	148.1



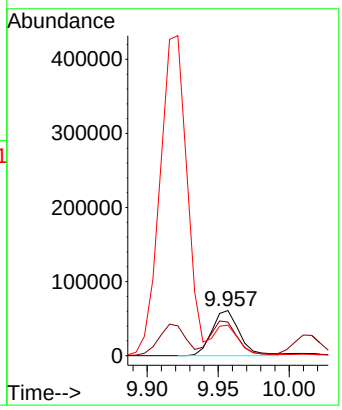


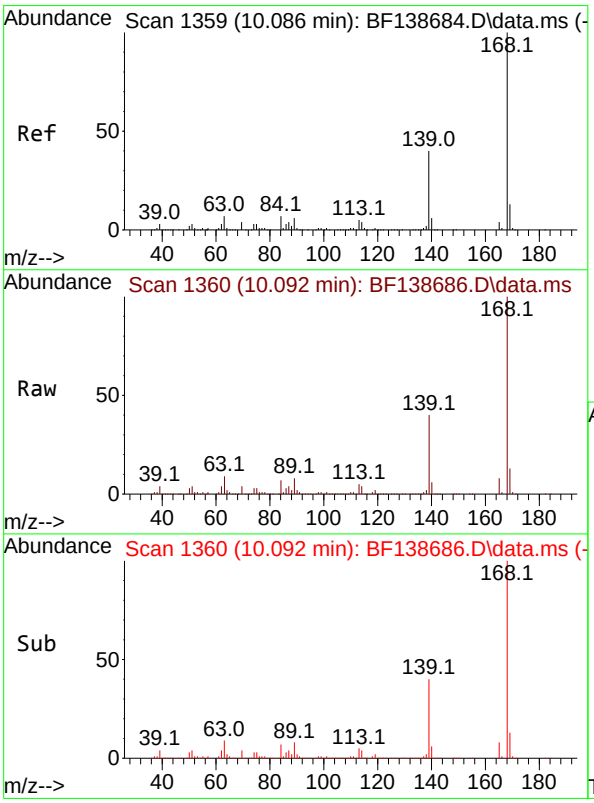
#54
2,4-Dinitrophenol
Concen: 68.448 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 82451

Ion	Ratio	Lower	Upper
184	100		
63	74.4	57.5	86.3
154	68.0	51.7	77.5

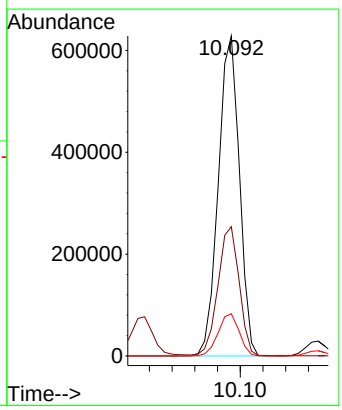


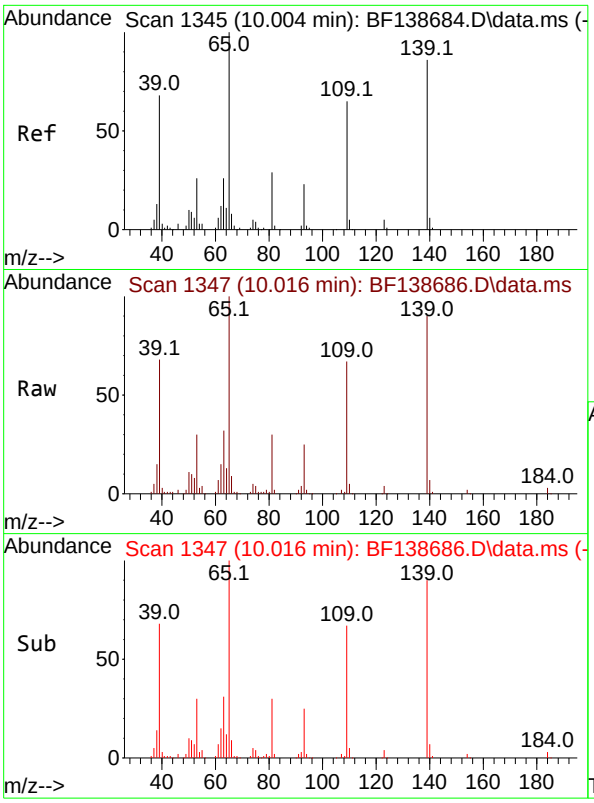


#55
Dibenzofuran
Concen: 56.948 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:168 Resp: 809534

Ion	Ratio	Lower	Upper
168	100		
139	40.4	32.6	49.0
169	13.2	10.7	16.1



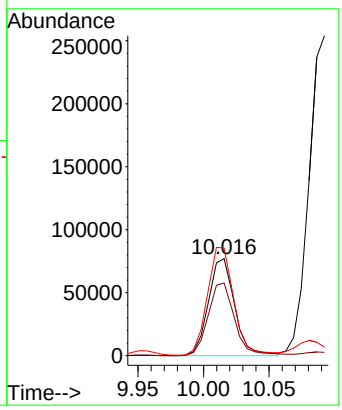


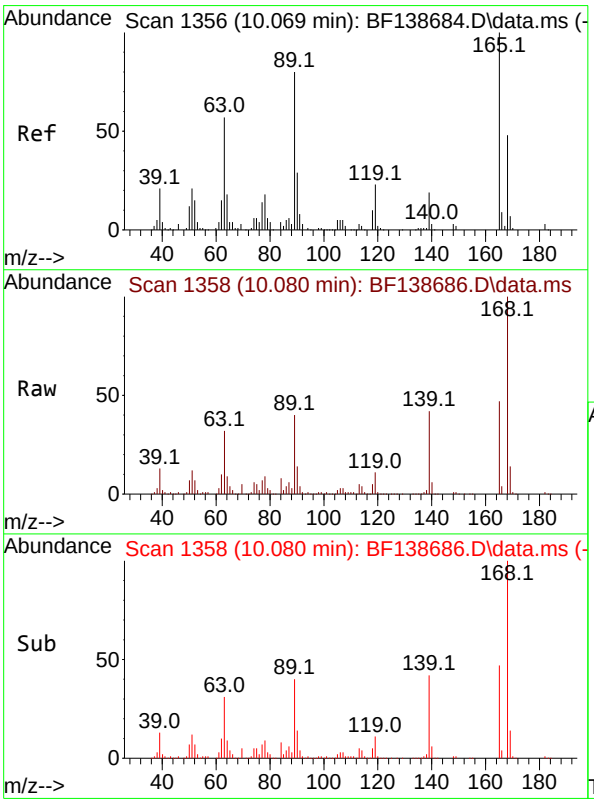
#56
4-Nitrophenol
Concen: 65.807 ng
RT: 10.016 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:139 Resp: 107052

Ion	Ratio	Lower	Upper
139	100		
109	74.9	55.5	95.5
65	111.0	96.7	136.7

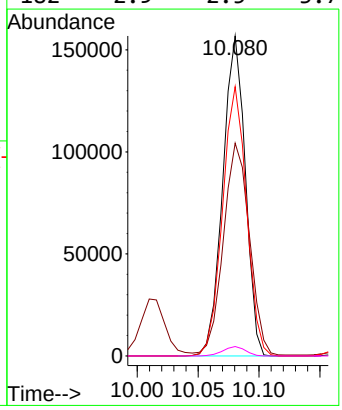


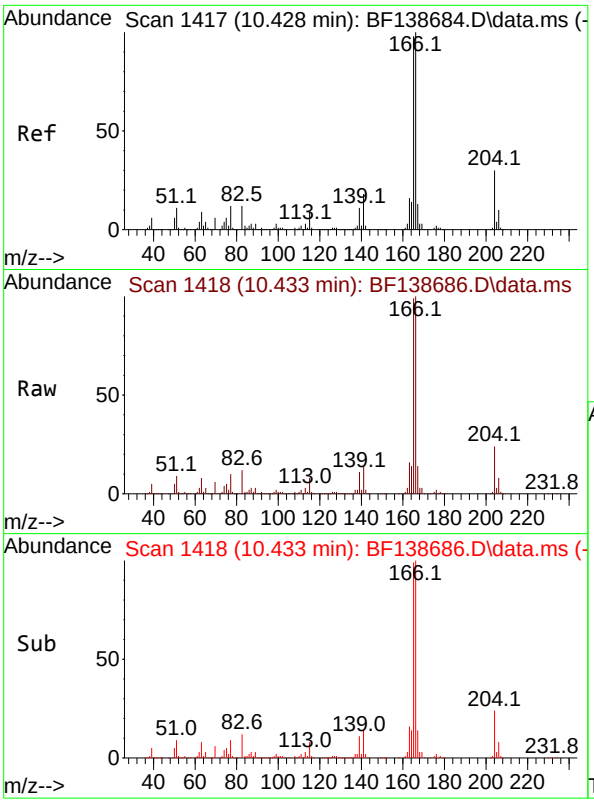


#57
2,4-Dinitrotoluene
Concen: 60.388 ng
RT: 10.080 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:165 Resp: 201610

Ion	Ratio	Lower	Upper
165	100		
63	66.5	46.3	69.5
89	84.2	64.2	96.4
182	2.9	2.5	3.7



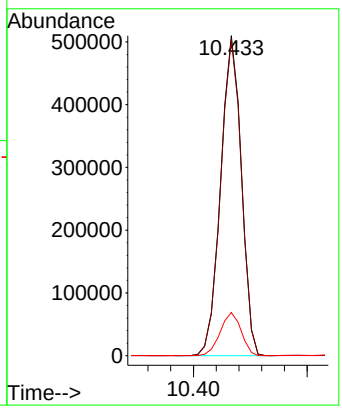


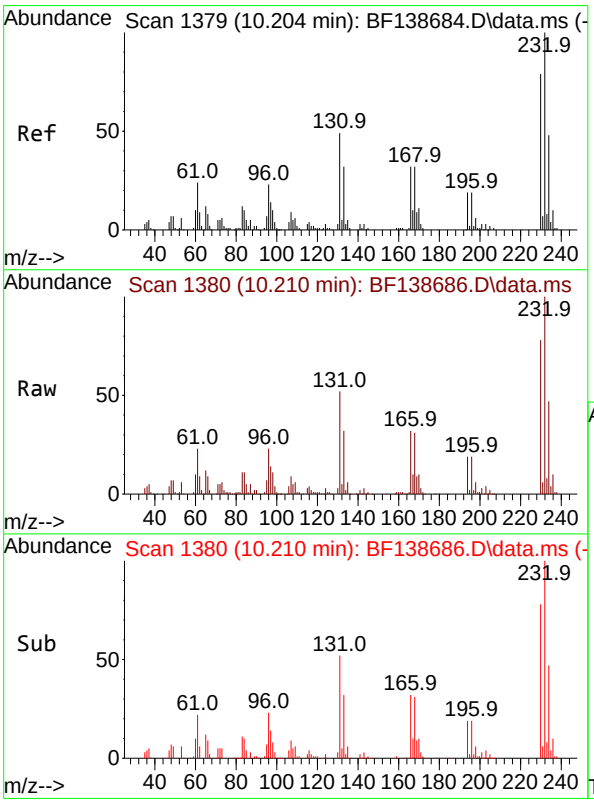
#58
Fluorene
Concen: 57.140 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:166 Resp: 646844

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.4	117.6
167	13.5	10.6	16.0

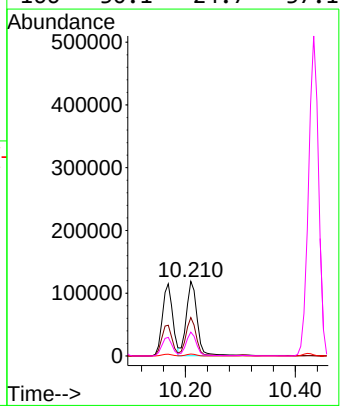


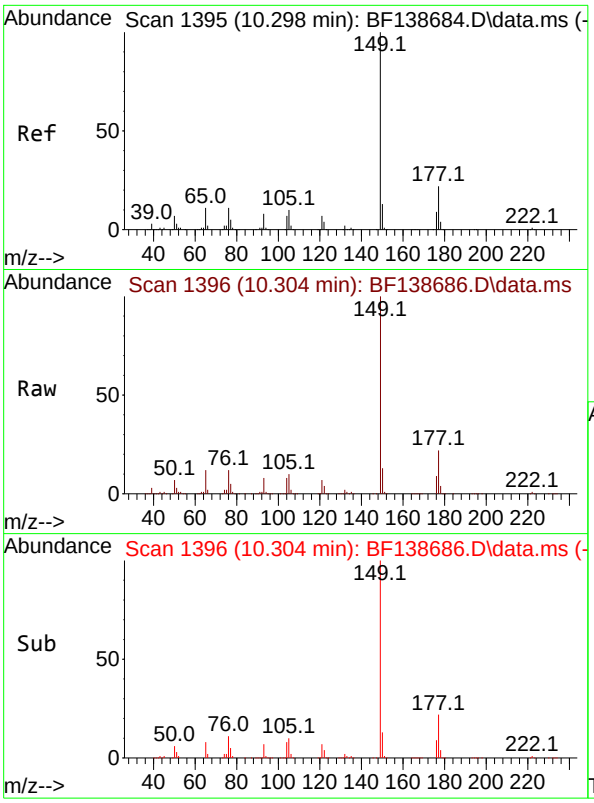


#59
2,3,4,6-Tetrachlorophenol
Concen: 63.494 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:232 Resp: 162987

Ion	Ratio	Lower	Upper
232	100		
131	48.9	37.0	55.4
130	2.4	2.0	3.0
166	30.1	24.7	37.1



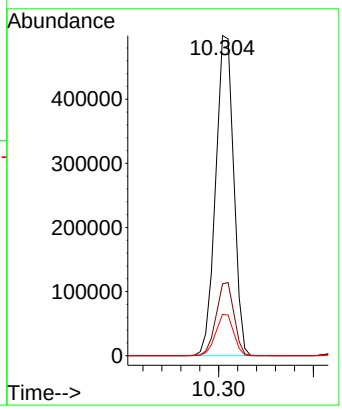


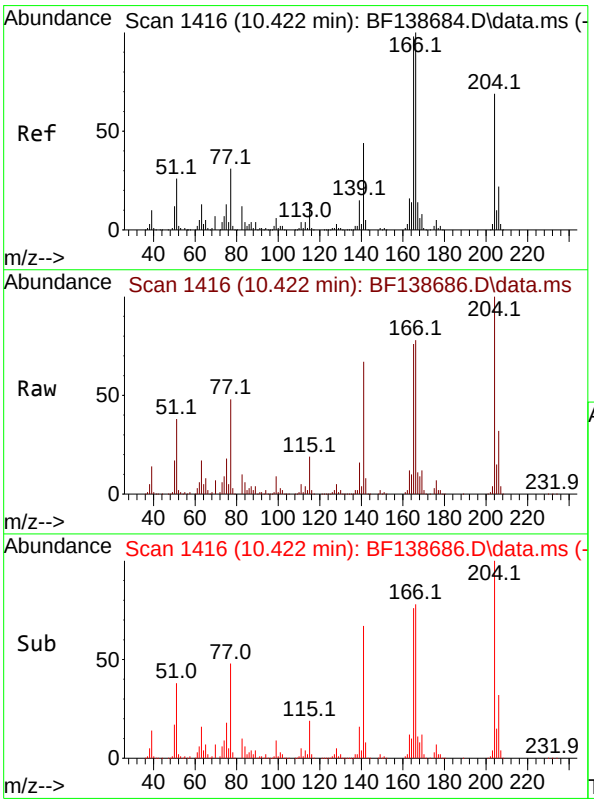
#60
Diethylphthalate
Concen: 60.161 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 661415

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.8	26.8
150	12.9	10.1	15.1

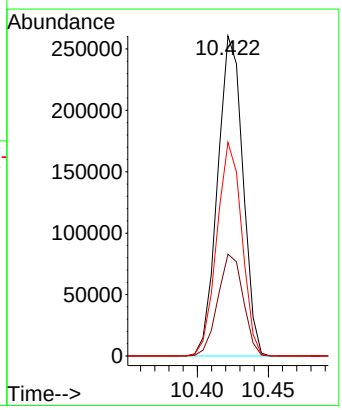


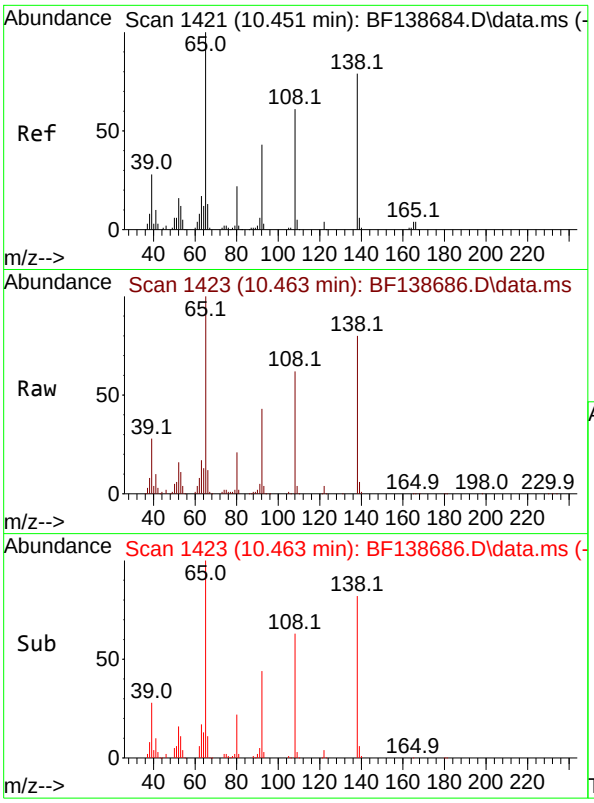


#61
4-Chlorophenyl-phenylether
Concen: 57.740 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:204 Resp: 321470

Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.1	39.1
141	66.8	51.4	77.0



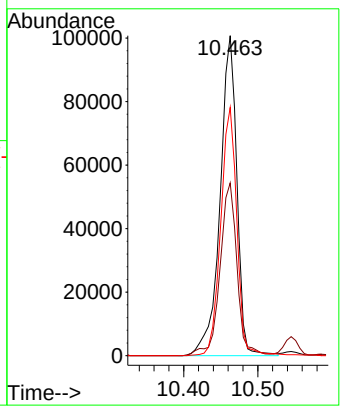


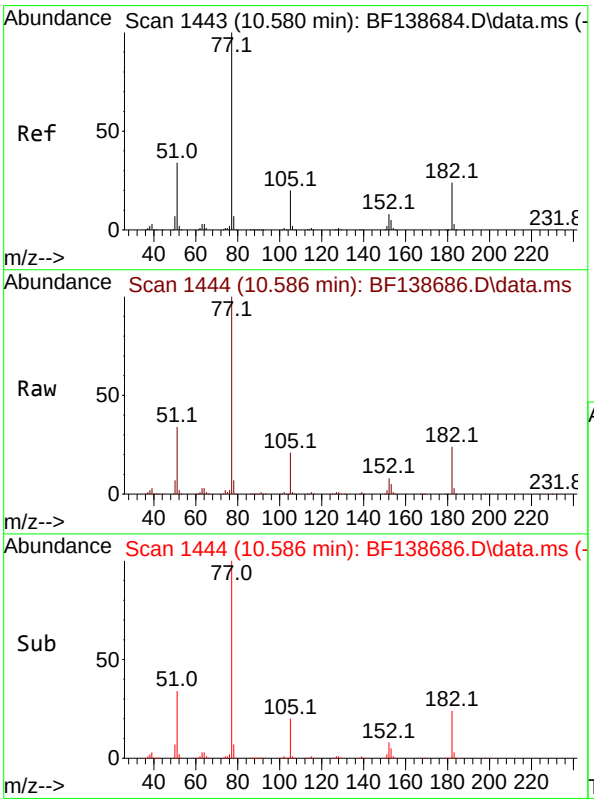
#62
4-Nitroaniline
Concen: 61.881 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 159081

Ion	Ratio	Lower	Upper
138	100		
92	54.0	34.2	74.2
108	77.6	56.2	96.2

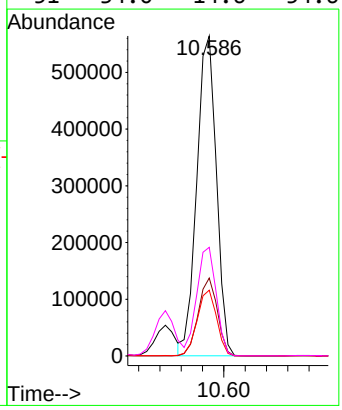


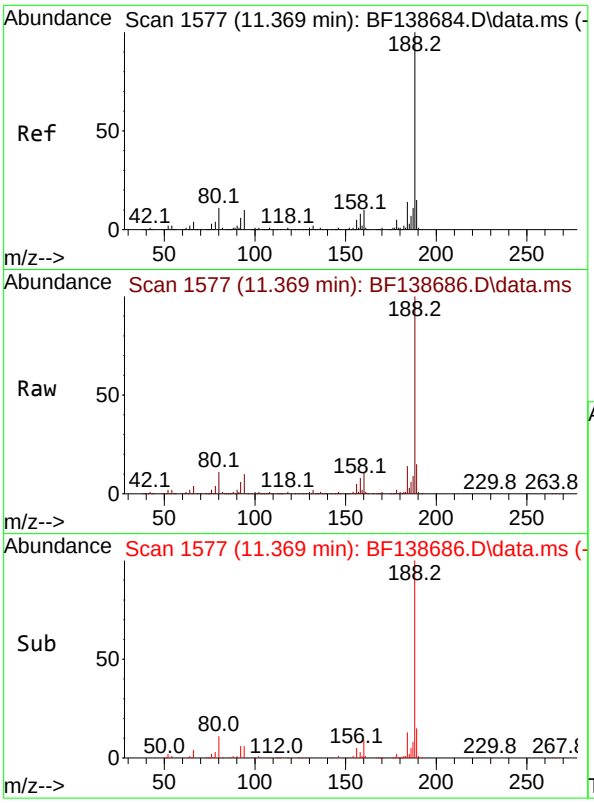


#63
Azobenzene
Concen: 59.288 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 77 Resp: 722929

Ion	Ratio	Lower	Upper
77	100		
182	24.3	3.4	43.4
105	20.5	0.2	40.2
51	34.0	14.6	54.6



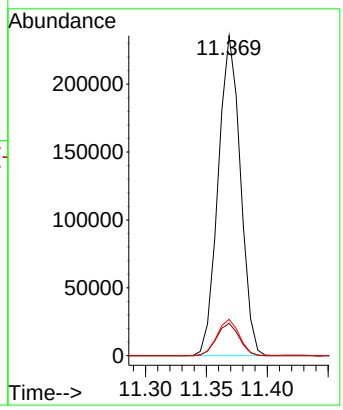


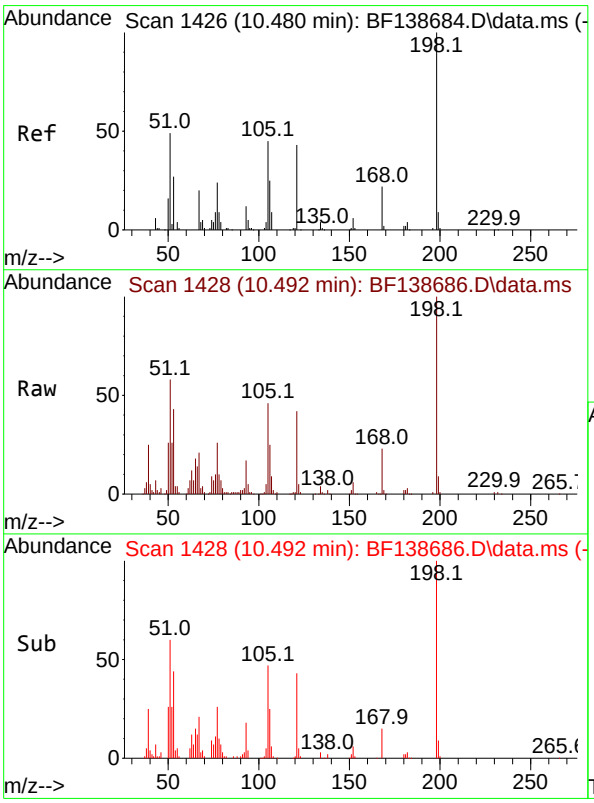
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:188 Resp: 299773

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.6	11.4
80	11.3	8.6	12.8

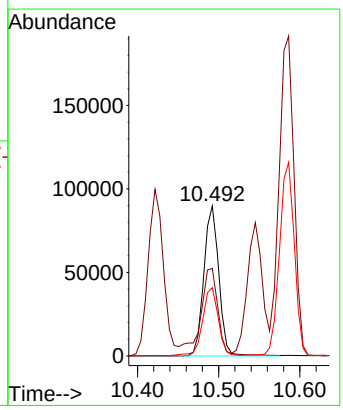


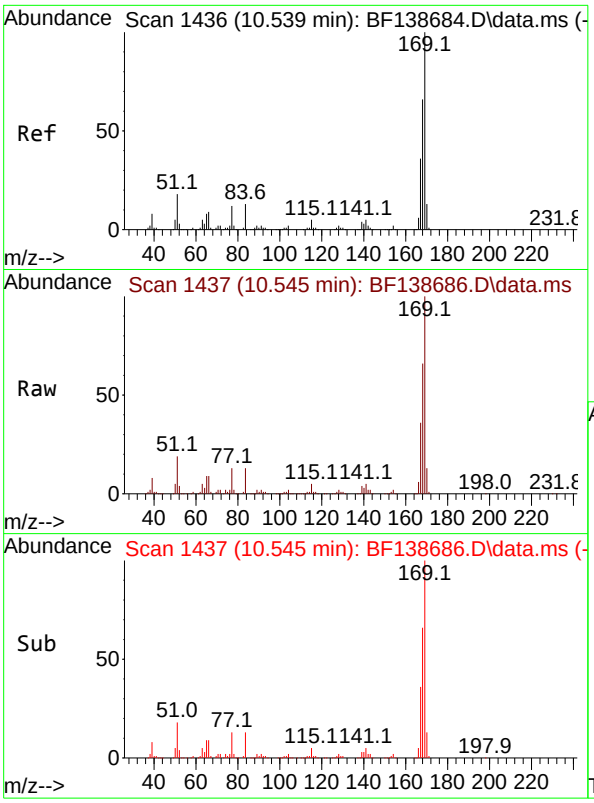


#65
4,6-Dinitro-2-methylphenol
Concen: 62.887 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:198 Resp: 115013

Ion	Ratio	Lower	Upper
198	100		
51	58.4	39.9	79.9
105	45.6	26.1	66.1



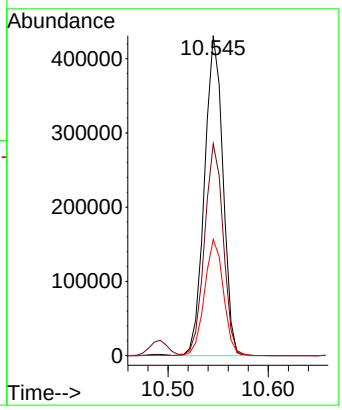


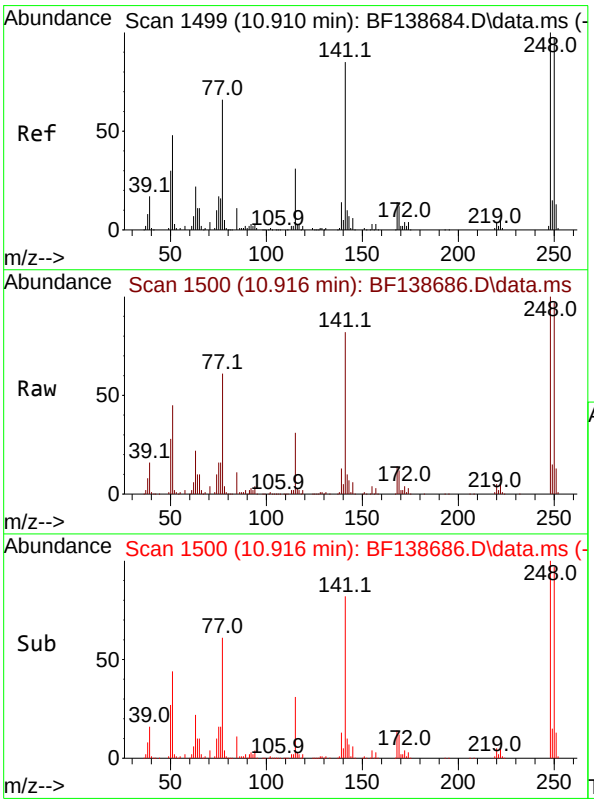
#66
n-Nitrosodiphenylamine
Concen: 58.728 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:169 Resp: 550299

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	36.3	29.0	43.6

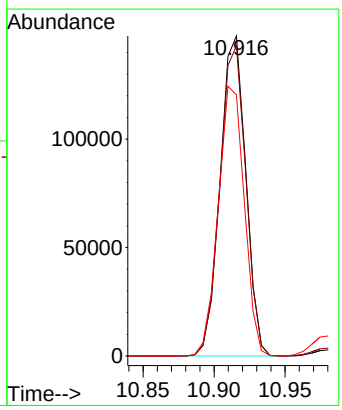


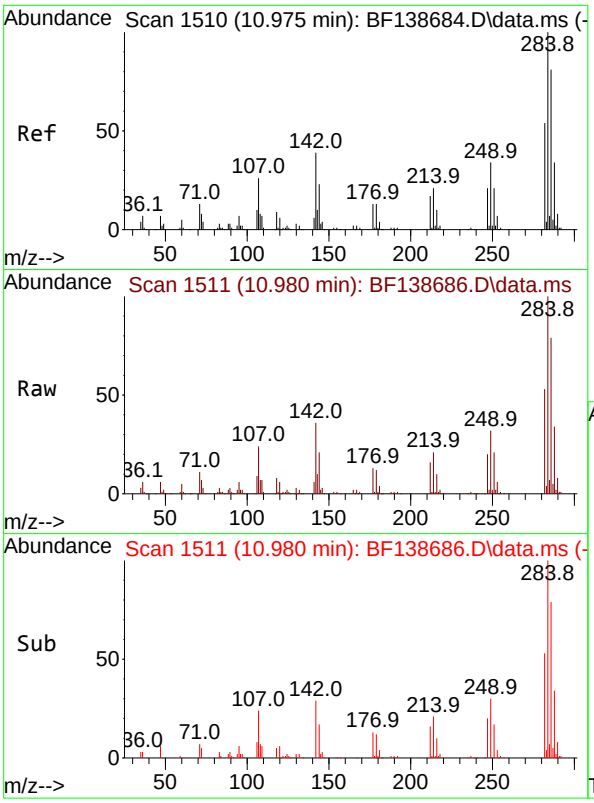


#67
4-Bromophenyl-phenylether
Concen: 57.182 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:248 Resp: 185589

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	81.6	68.0	102.0



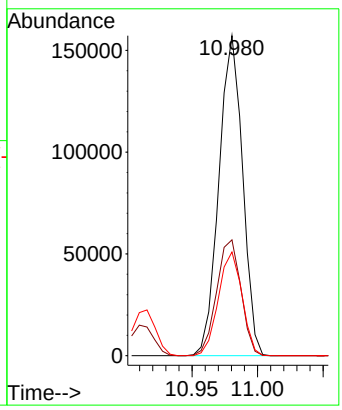


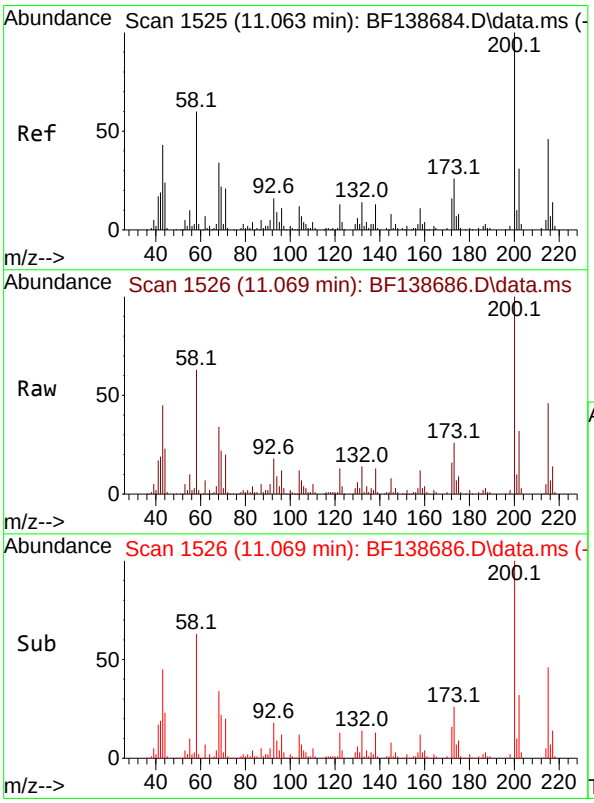
#68
Hexachlorobenzene
Concen: 58.832 ng
RT: 10.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:284 Resp: 197152

Ion	Ratio	Lower	Upper
284	100		
142	36.2	31.3	46.9
249	32.4	27.2	40.8

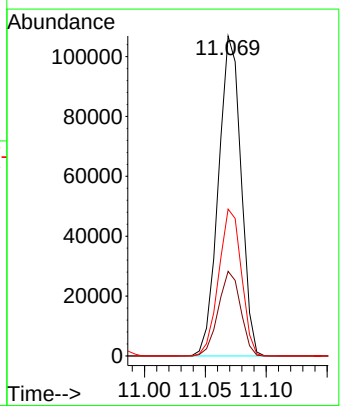


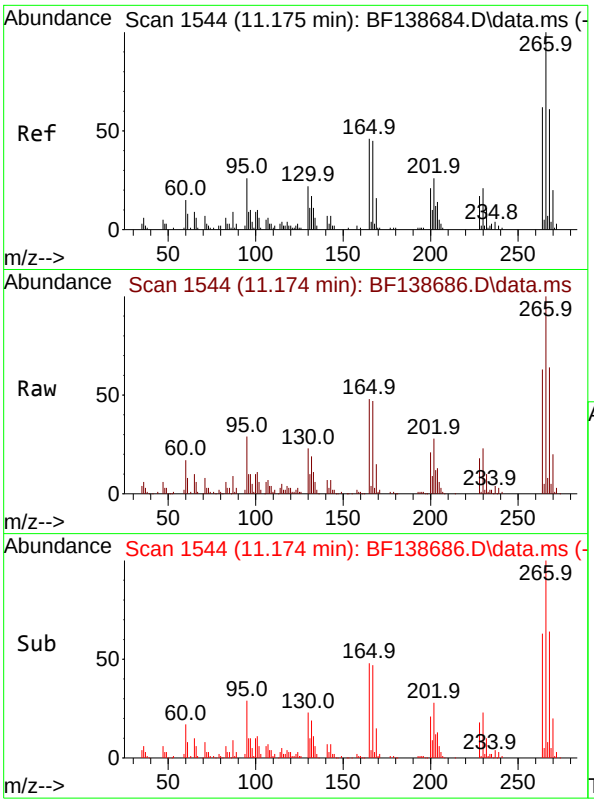


#69
Atrazine
Concen: 57.055 ng
RT: 11.069 min Scan# 1526
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:200 Resp: 137932

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.0	46.0
215	45.9	26.1	66.1



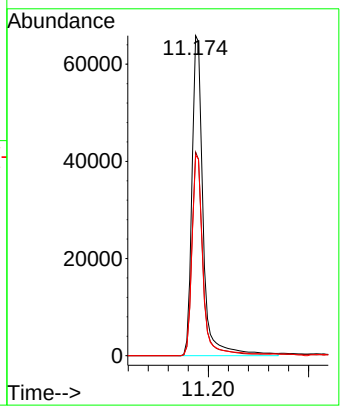


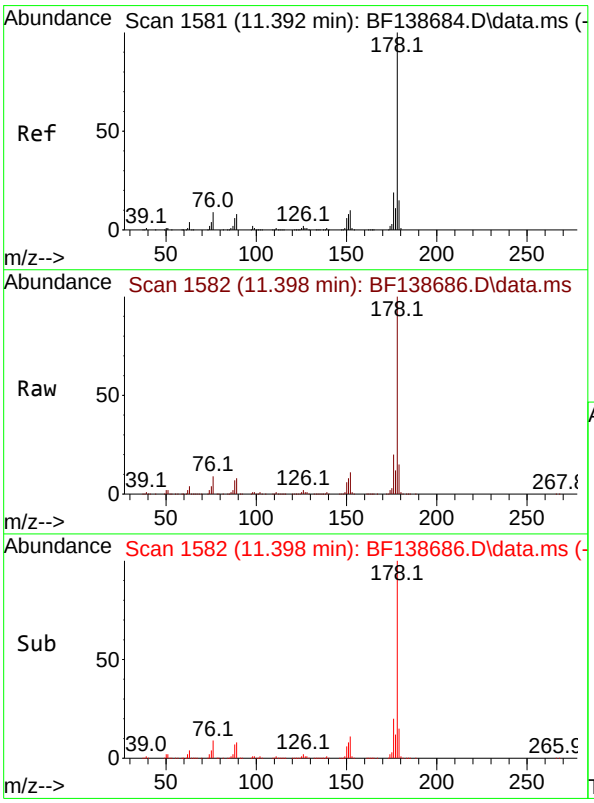
#70
Pentachlorophenol
Concen: 67.437 ng
RT: 11.174 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 101863

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.2	73.8
264	62.6	49.8	74.6

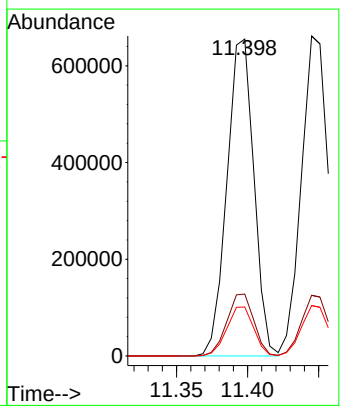


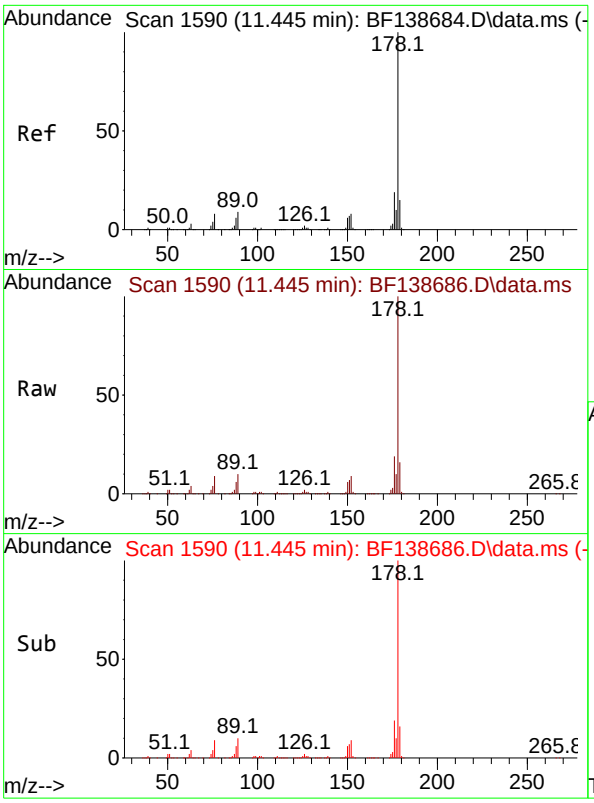


#71
Phenanthrene
Concen: 56.216 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:178 Resp: 867741

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.4	12.2	18.2



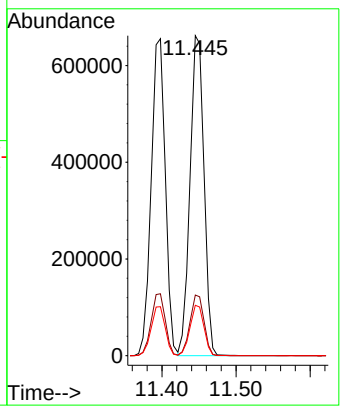


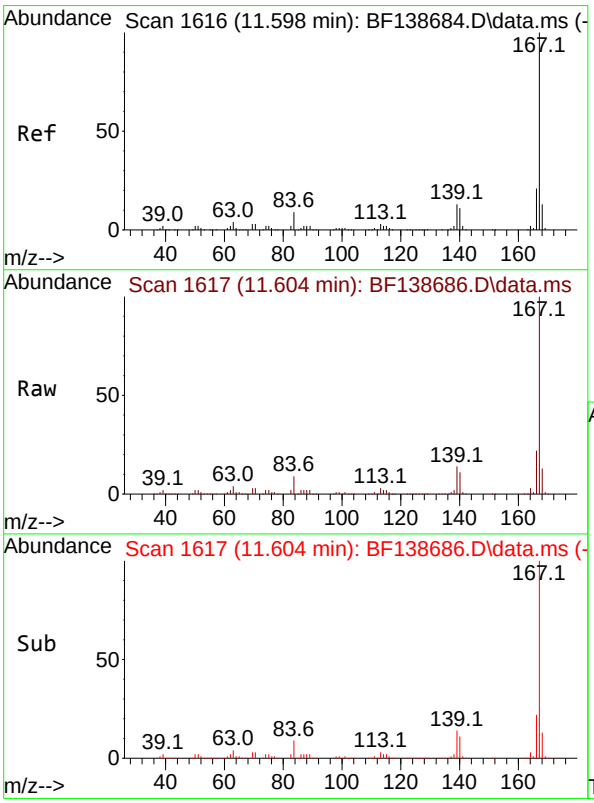
#72
Anthracene
Concen: 57.177 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 869464

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.8	12.4	18.6

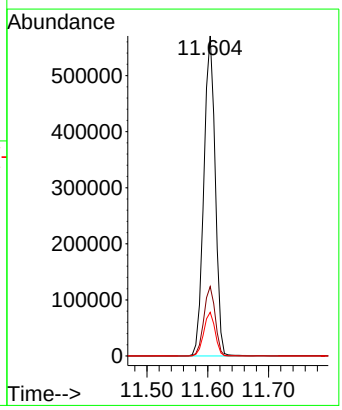


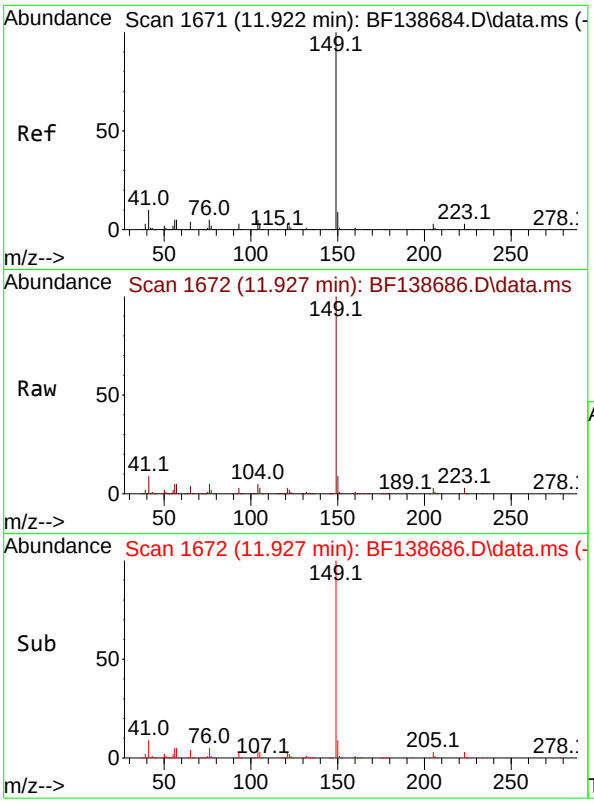


#73
Carbazole
Concen: 56.558 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:167 Resp: 742002

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	13.7	10.6	16.0



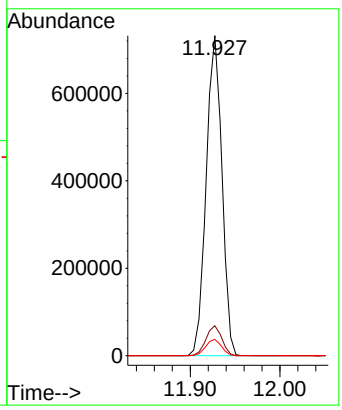


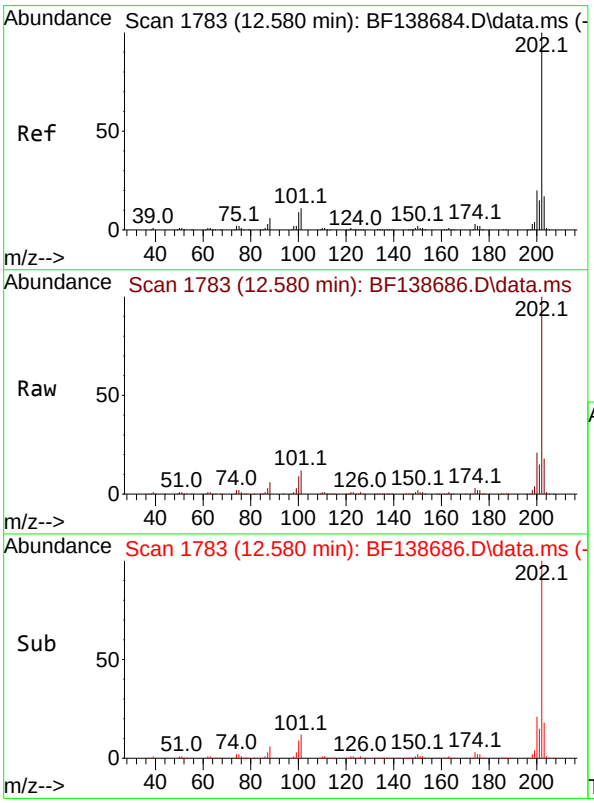
#74
Di-n-butylphthalate
Concen: 60.481 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 891999

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.1	4.1	6.1

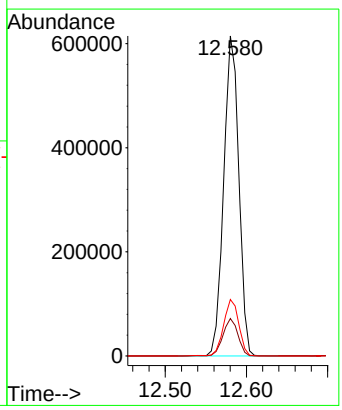


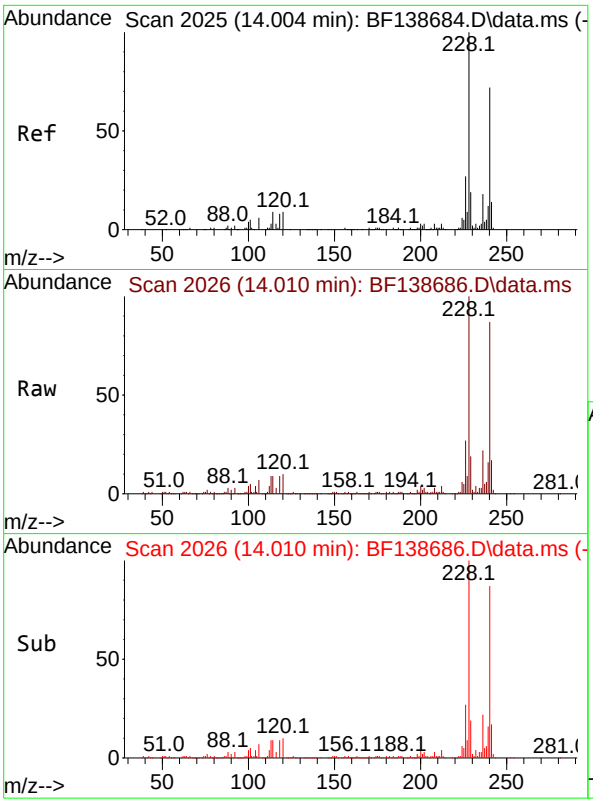


#75
Fluoranthene
Concen: 55.309 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:202 Resp: 797022

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.2
203	17.7	0.0	37.3



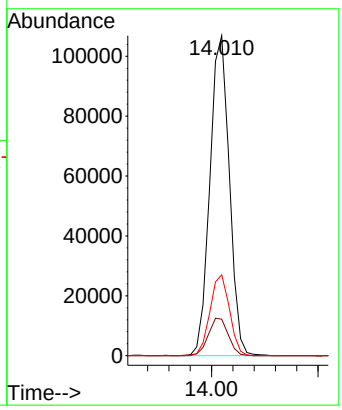


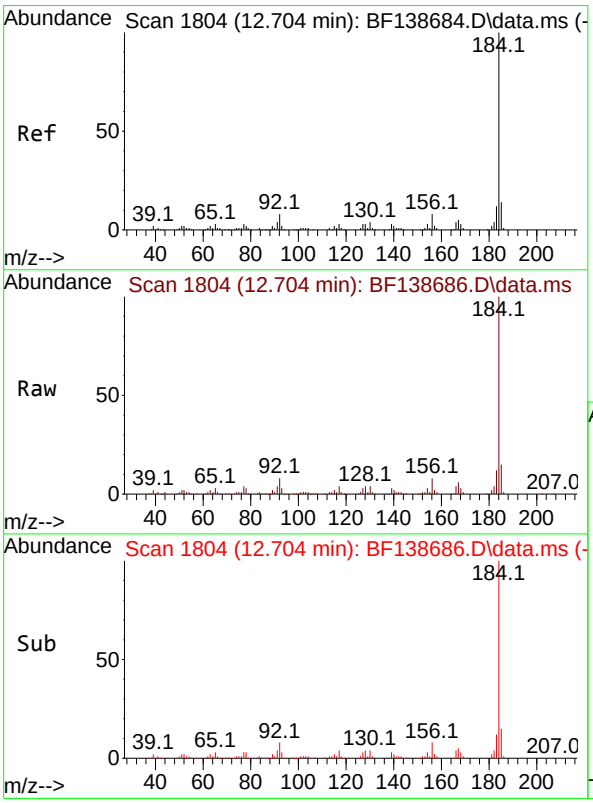
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 135234

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

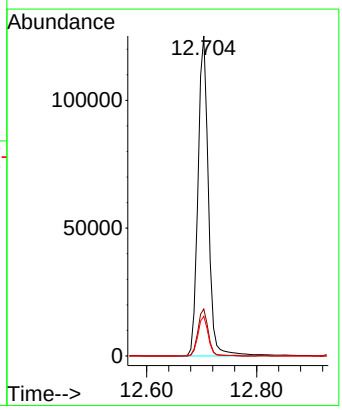


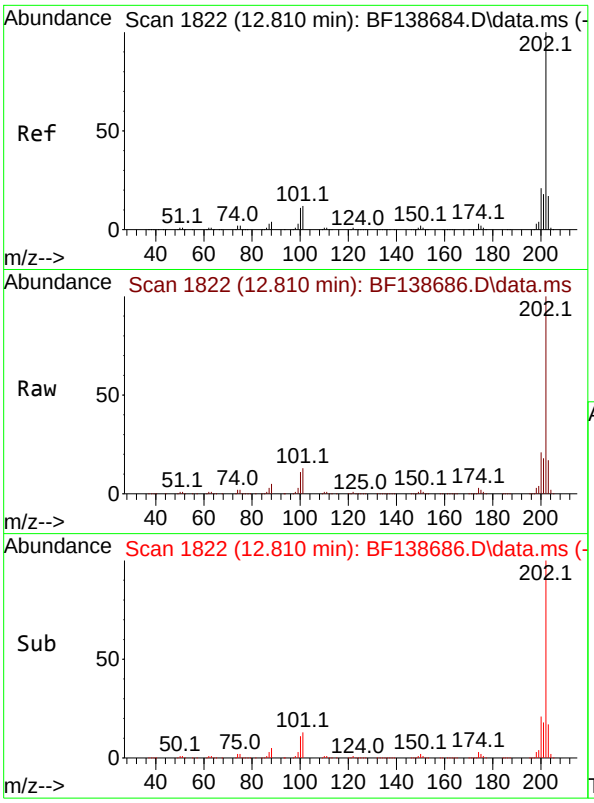


#77
Benzidine
Concen: 51.170 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:184 Resp: 165511

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.1	16.7
183	12.4	9.6	14.4



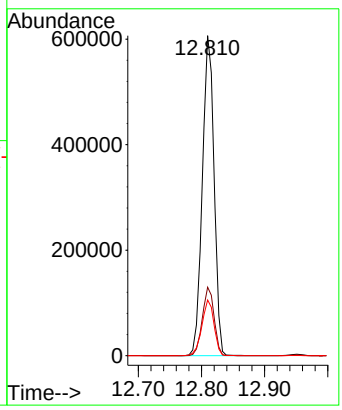


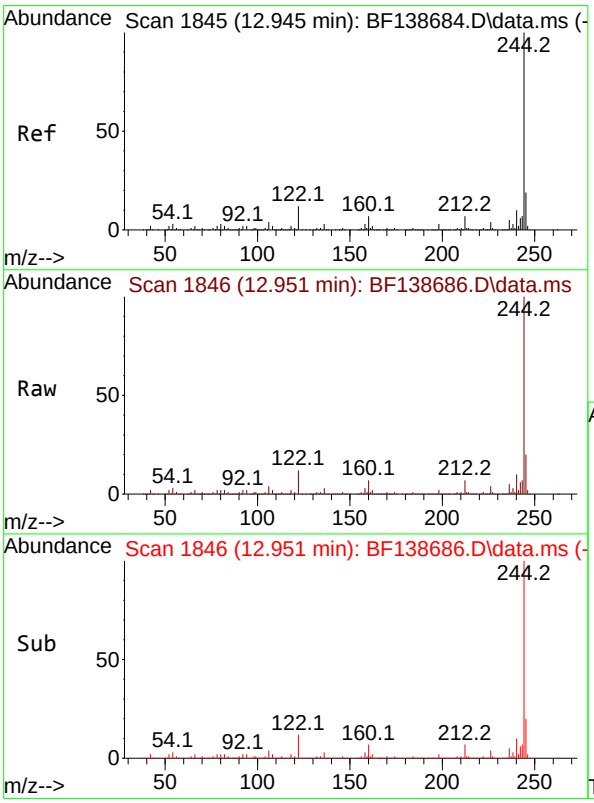
#78
Pyrene
Concen: 61.448 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 782403

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.4	13.8	20.6

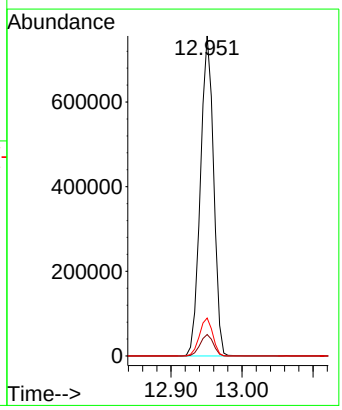


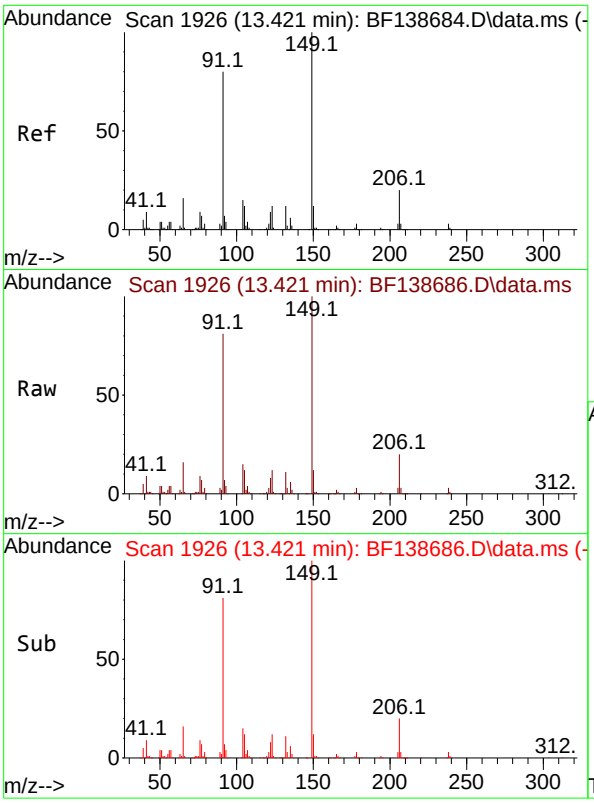


#79
Terphenyl-d14
Concen: 121.541 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:244 Resp: 981714

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	11.9	9.6	14.4



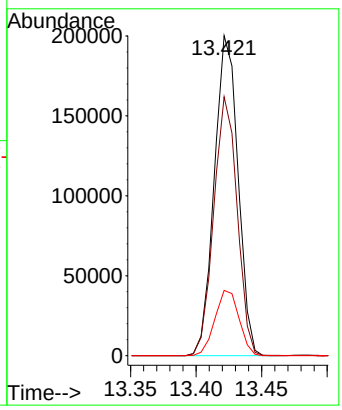


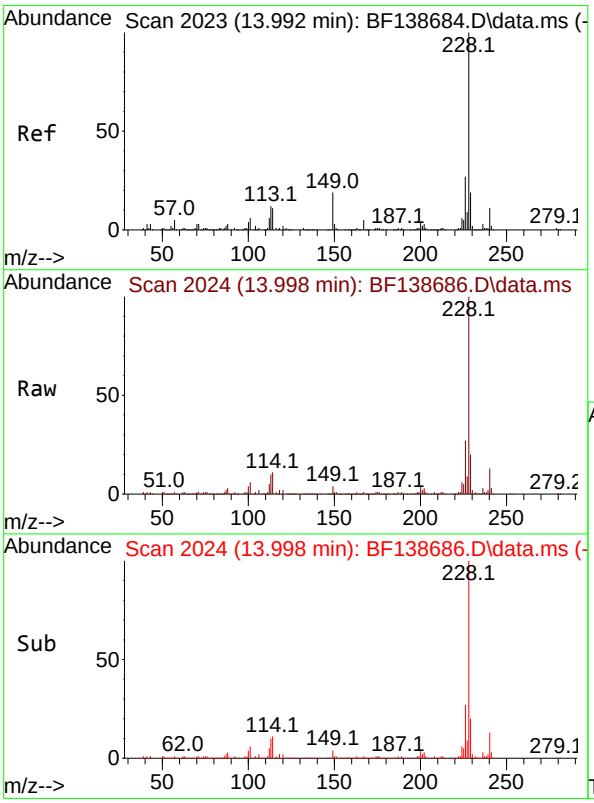
#80
Butylbenzylphthalate
Concen: 61.709 ng
RT: 13.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 251612

Ion	Ratio	Lower	Upper
149	100		
91	80.9	63.7	95.5
206	20.4	16.2	24.2

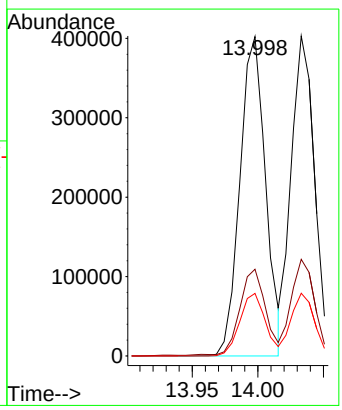


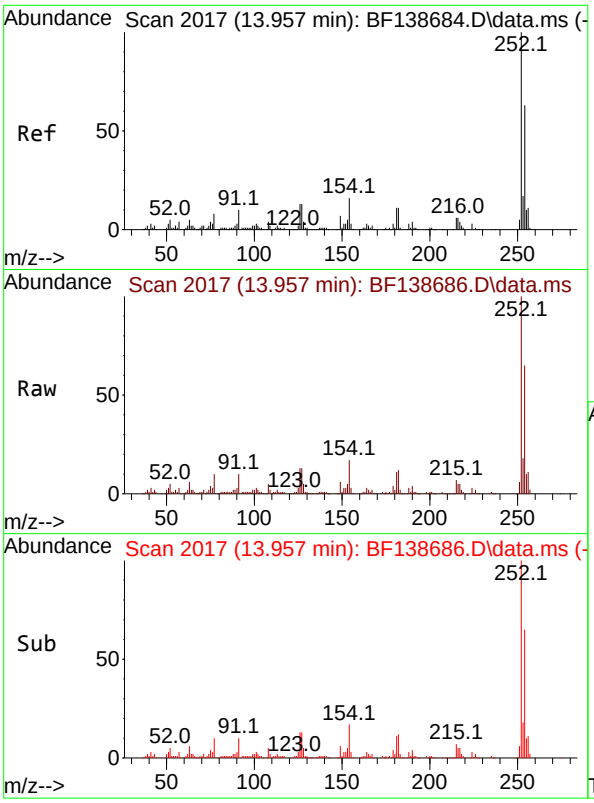


#81
Benzo(a)anthracene
Concen: 58.859 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:228 Resp: 548125

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.6	15.4	23.0



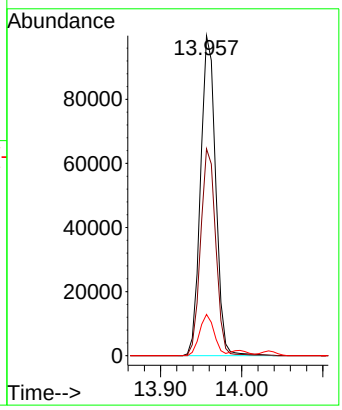


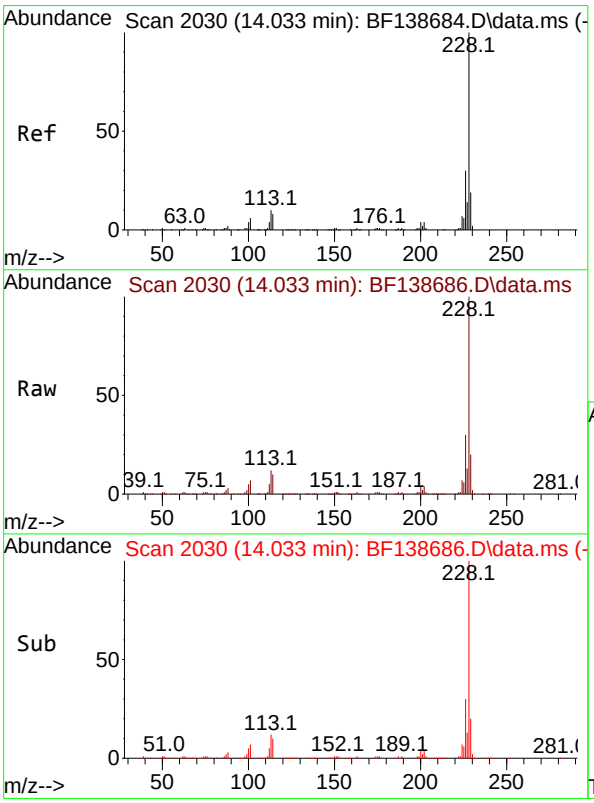
#82
3,3'-Dichlorobenzidine
Concen: 54.238 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 129254

Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.8	76.2
126	12.9	10.2	15.2

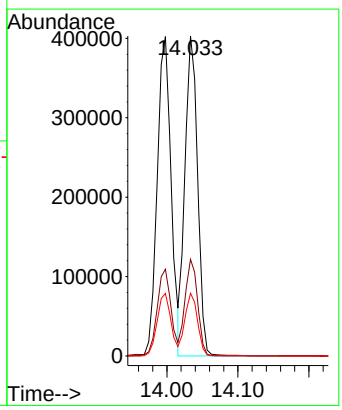


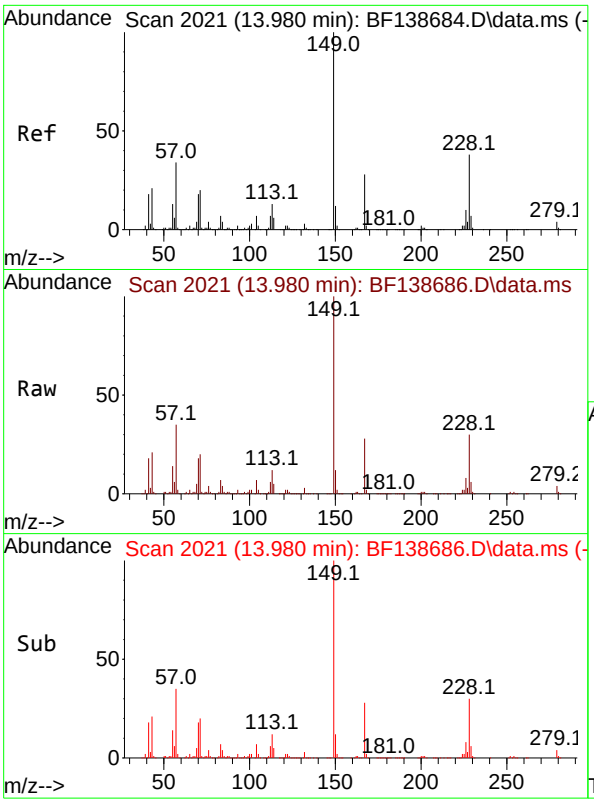


#83
Chrysene
Concen: 59.365 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:228 Resp: 498766

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	19.6	15.0	22.6



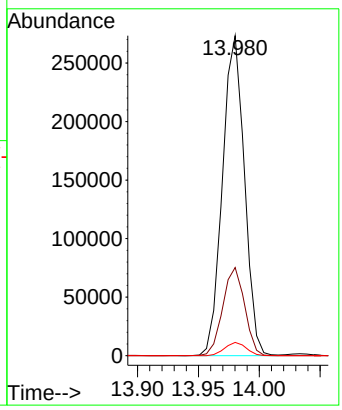


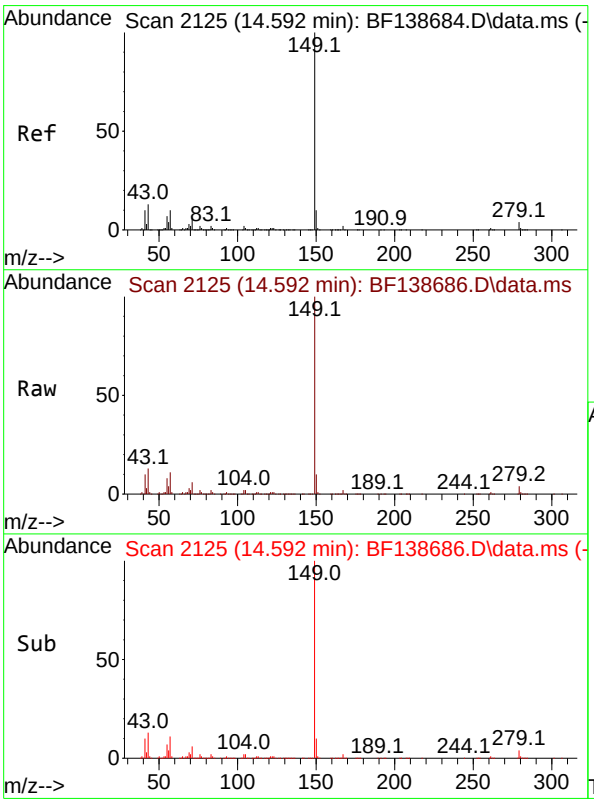
#84
Bis(2-ethylhexyl)phthalate
Concen: 57.526 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 343468

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	4.2	3.4	5.0

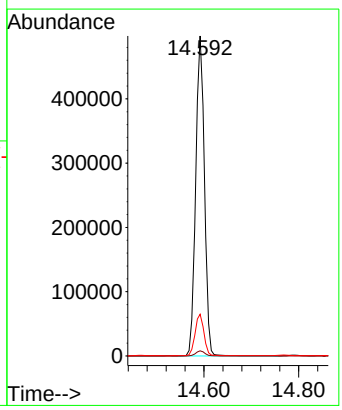


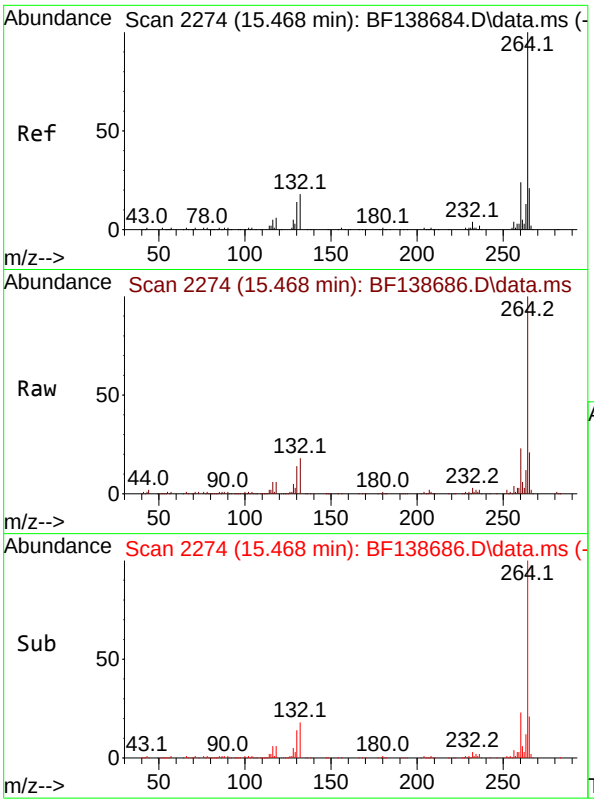


#85
Di-n-octyl phthalate
Concen: 57.670 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:149 Resp: 637055

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.1	10.4	15.6



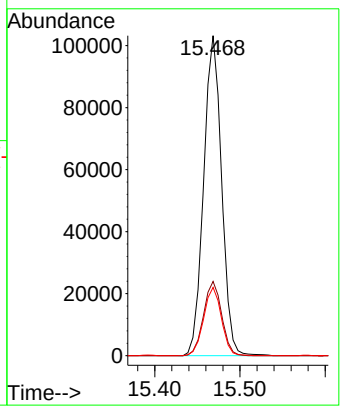


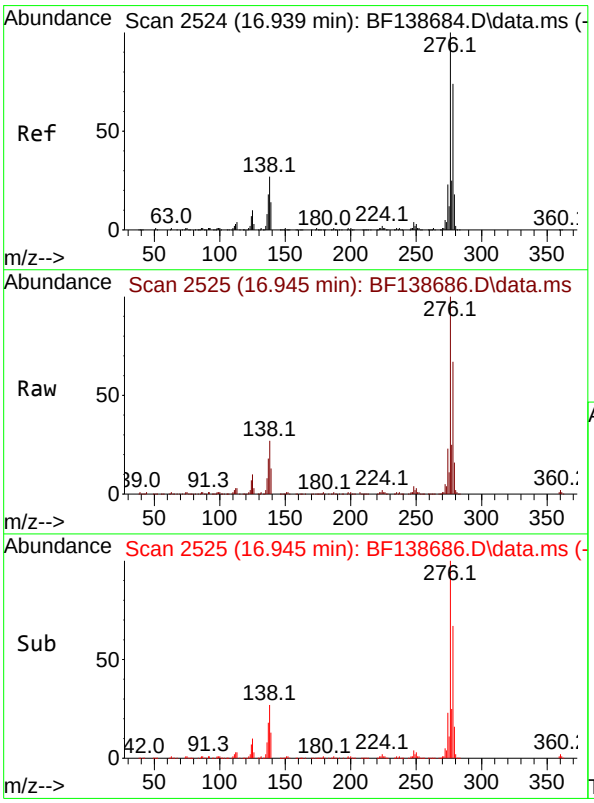
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 151051

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.3	17.0	25.6

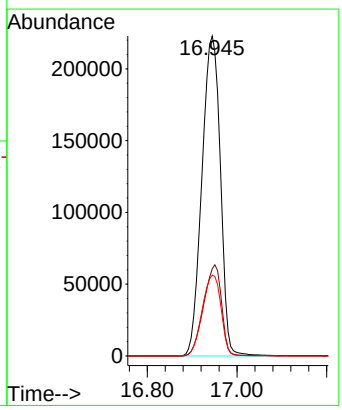


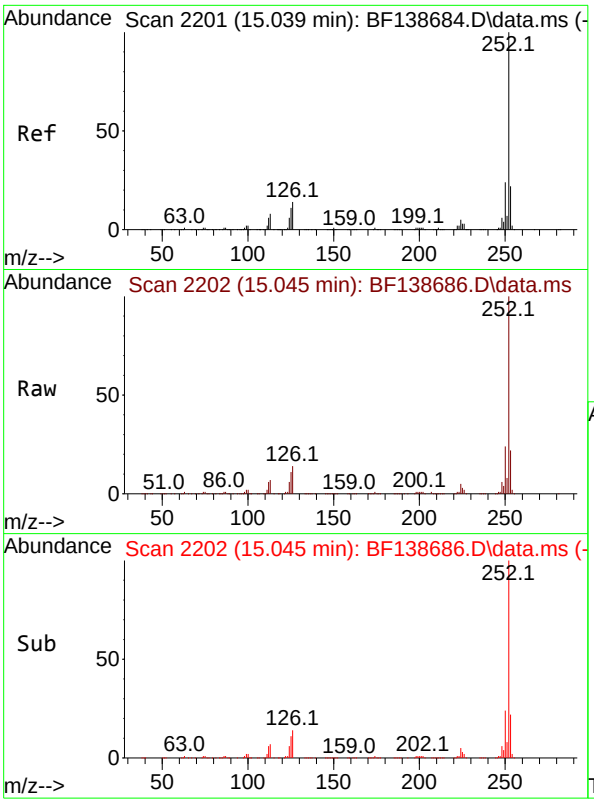


#87
Indeno(1,2,3-cd)pyrene
Concen: 58.833 ng
RT: 16.945 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:276 Resp: 636857

Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.8	32.8
277	25.8	20.6	30.8



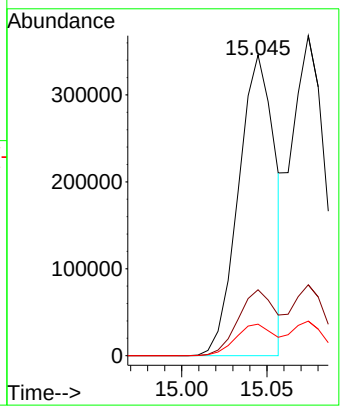


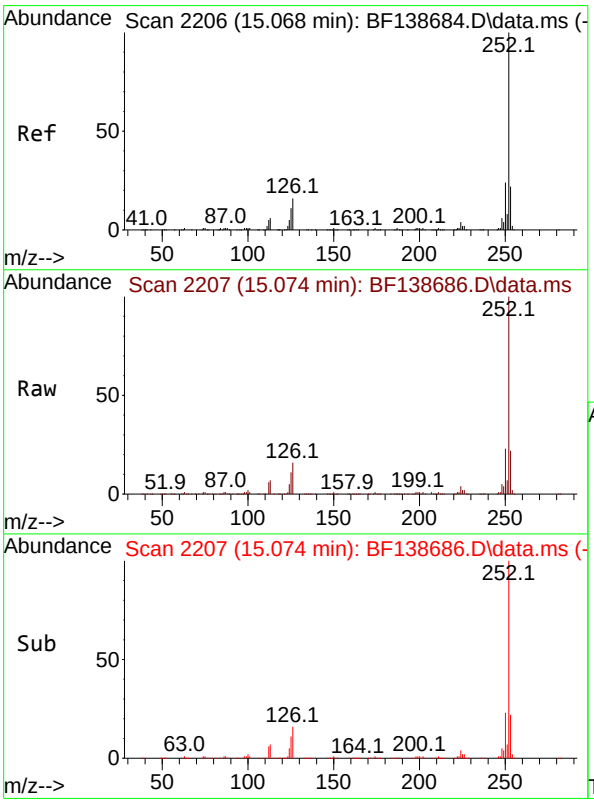
#88
Benzo(b)fluoranthene
Concen: 54.916 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 514218

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.5	8.9	13.3

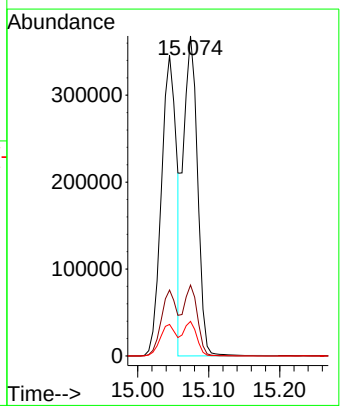


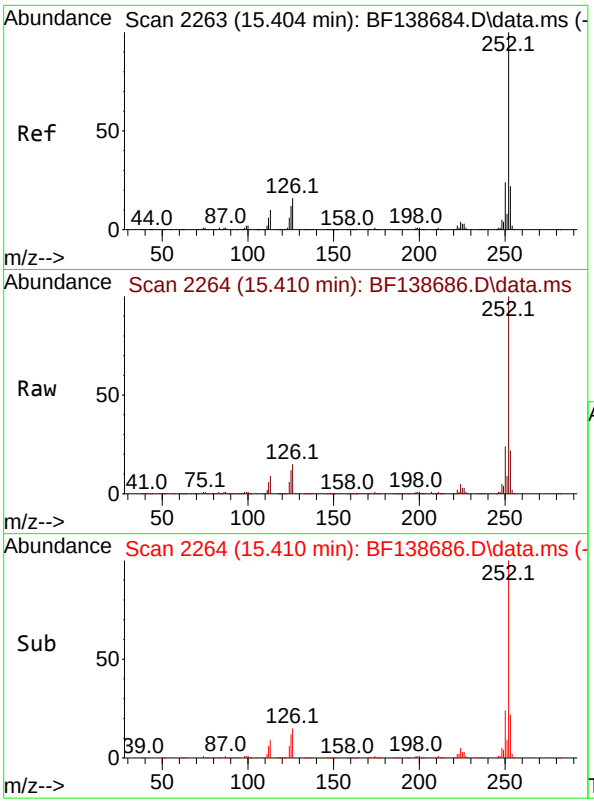


#89
Benzo(k)fluoranthene
Concen: 62.431 ng
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:252 Resp: 506146

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	10.8	8.6	13.0



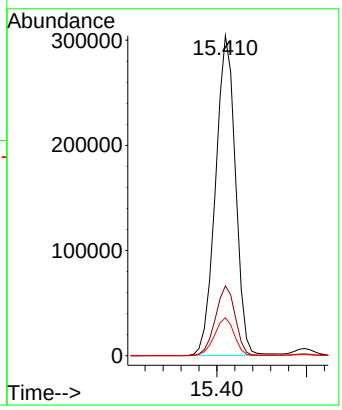


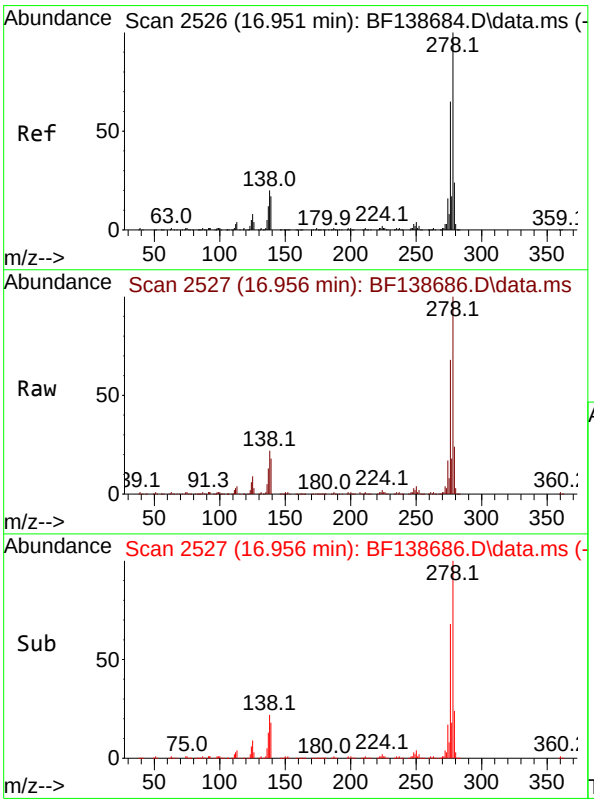
#90
Benzo(a)pyrene
Concen: 59.572 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 469205

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.9	9.5	14.3

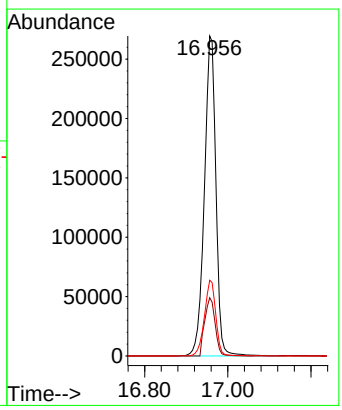


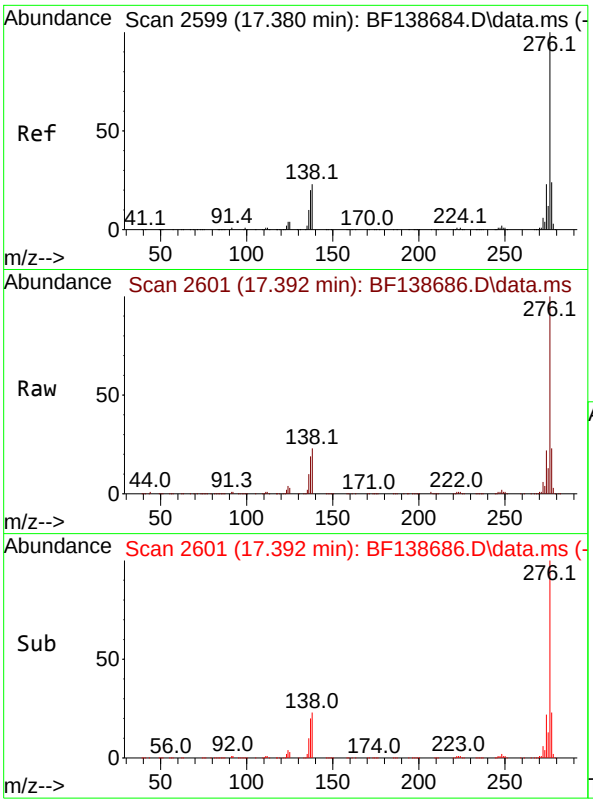


#91
Dibenzo(a,h)anthracene
Concen: 58.470 ng
RT: 16.956 min Scan# 2527
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:278 Resp: 519552

Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.0	21.0
279	23.7	19.0	28.4



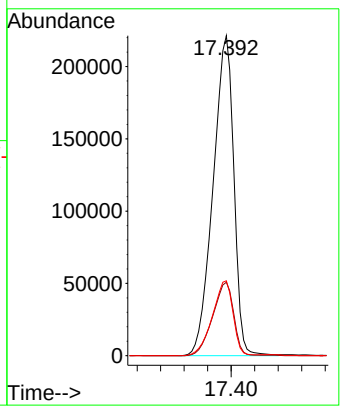


#92
Benzo(g,h,i)perylene
Concen: 58.883 ng
RT: 17.392 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 542952

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	23.4	18.5	27.7



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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138687.D
Acq On : 30 Jul 2024 16:29
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 30 17:47:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

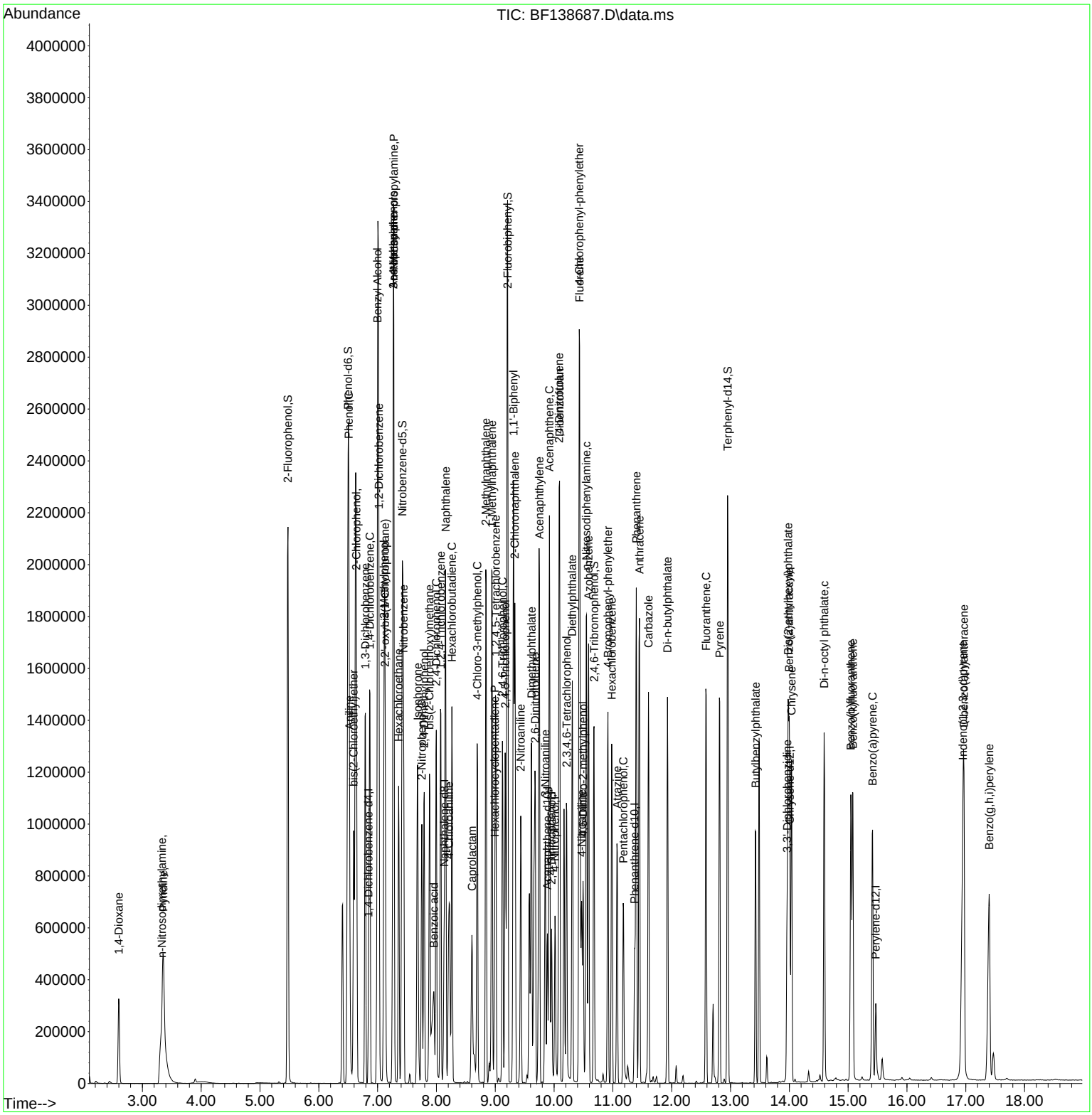
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.310	154	983564	73.651	ng		100
47) 2-Chloronaphthalene	9.334	162	742852	74.793	ng		100
48) 2-Nitroaniline	9.434	65	266220	79.066	ng		98
49) Acenaphthylene	9.751	152	1013441	71.944	ng		99
50) Dimethylphthalate	9.616	163	843645	77.379	ng		99
51) 2,6-Dinitrotoluene	9.681	165	189138	76.868	ng		97
52) Acenaphthene	9.922	154	693130	73.198	ng		100
53) 3-Nitroaniline	9.851	138	194796	76.581	ng		100
54) 2,4-Dinitrophenol	9.957	184	100793	88.986	ng		94
55) Dibenzofuran	10.092	168	963359	72.071	ng		100
56) 4-Nitrophenol	10.016	139	127589	83.411	ng		98
57) 2,4-Dinitrotoluene	10.086	165	237463	75.642	ng	#	88
58) Fluorene	10.433	166	768404	72.188	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	192425	79.721	ng		97
60) Diethylphthalate	10.310	149	788464	76.270	ng		99
61) 4-Chlorophenyl-phenyle...	10.428	204	376130	71.847	ng		99
62) 4-Nitroaniline	10.469	138	181845	75.227	ng		98
63) Azobenzene	10.586	77	857699	74.806	ng		99
65) 4,6-Dinitro-2-methylph...	10.492	198	137397	83.368	ng		97
66) n-Nitrosodiphenylamine	10.551	169	641930	76.022	ng		99
67) 4-Bromophenyl-phenylether	10.916	248	226137	77.318	ng		99
68) Hexachlorobenzene	10.980	284	233005	77.158	ng		99
69) Atrazine	11.075	200	152765	70.122	ng		99
70) Pentachlorophenol	11.180	266	120403	88.455	ng		98
71) Phenanthrene	11.398	178	1020185	73.341	ng		99
72) Anthracene	11.451	178	1005219	73.356	ng		100
73) Carbazole	11.604	167	836447	70.750	ng		99
74) Di-n-butylphthalate	11.927	149	1016790	76.505	ng		100
75) Fluoranthene	12.586	202	893988	68.843	ng		99
78) Pyrene	12.816	202	882216	73.618	ng		99
80) Butylbenzylphthalate	13.427	149	304470	79.340	ng		99
81) Benzo(a)anthracene	13.998	228	659091	75.198	ng		99
82) 3,3'-Dichlorobenzidine	13.963	252	159678	71.192	ng		99
83) Chrysene	14.039	228	617804	78.129	ng		98
84) Bis(2-ethylhexyl)phtha...	13.980	149	440693	78.423	ng		100
85) Di-n-octyl phthalate	14.592	149	817161	78.597	ng		99
87) Indeno(1,2,3-cd)pyrene	16.951	276	827423	76.833	ng		99
88) Benzo(b)fluoranthene	15.045	252	721224	77.422	ng		99
89) Benzo(k)fluoranthene	15.080	252	596517	73.959	ng		99
90) Benzo(a)pyrene	15.416	252	609452	77.779	ng		99
91) Dibenzo(a,h)anthracene	16.968	278	664634	75.184	ng		100
92) Benzo(g,h,i)perylene	17.398	276	702583	76.589	ng		99

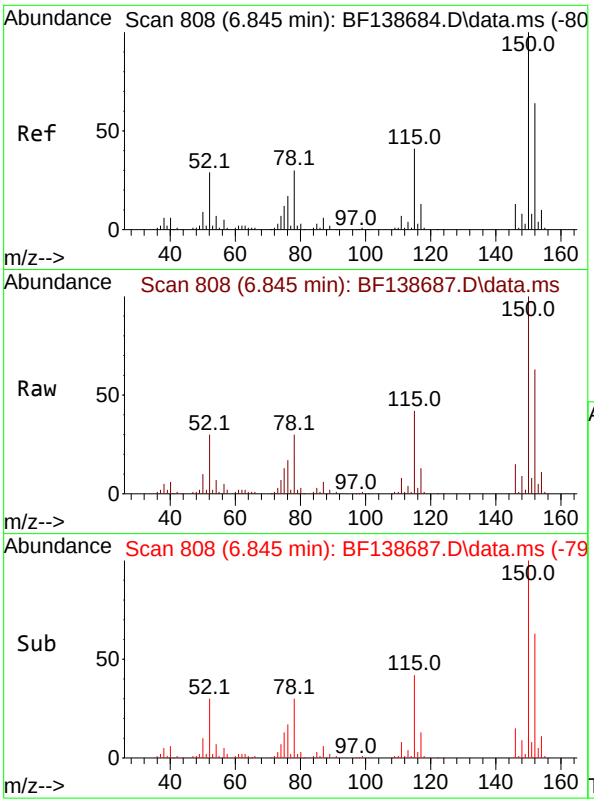
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138687.D
Acq On : 30 Jul 2024 16:29
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 30 17:47:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



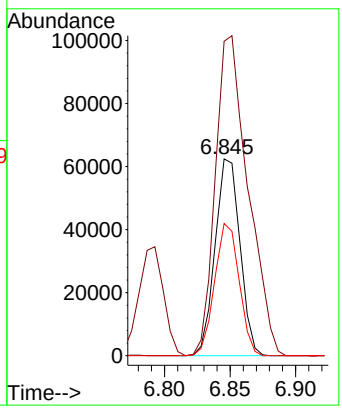


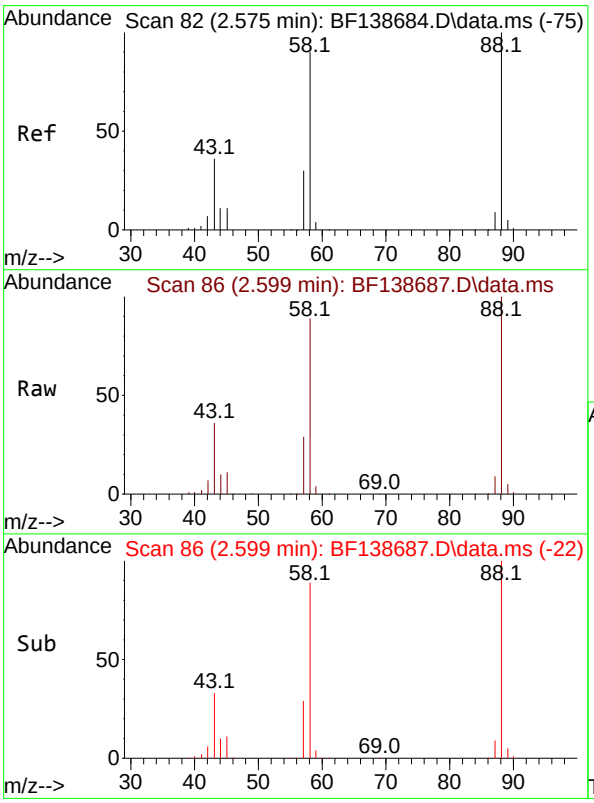
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 82334

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.0	189.0
115	67.1	51.7	77.5

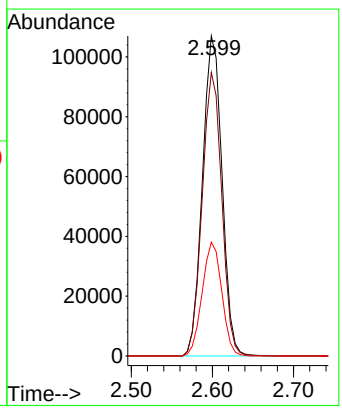


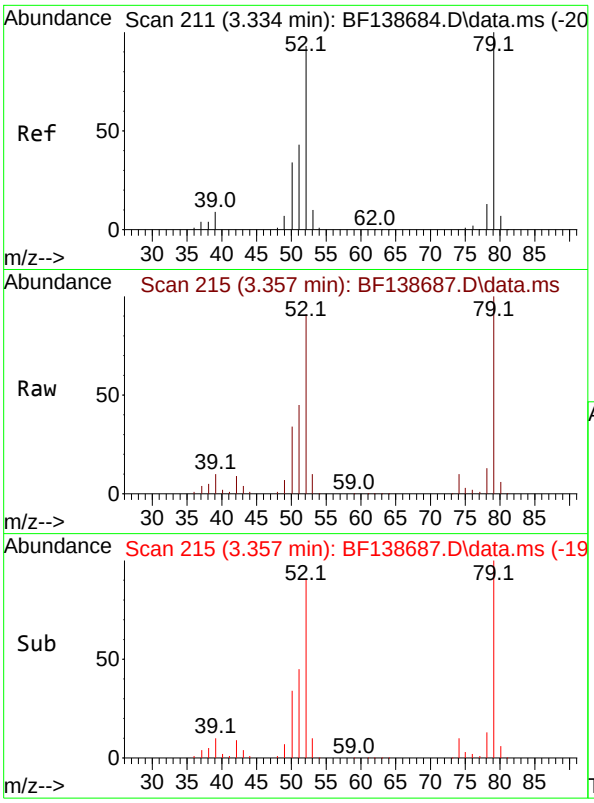


#2
1,4-Dioxane
Concen: 76.661 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.024 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 88 Resp: 179012

Ion	Ratio	Lower	Upper
88	100		
58	88.5	71.6	107.4
43	35.7	28.7	43.1



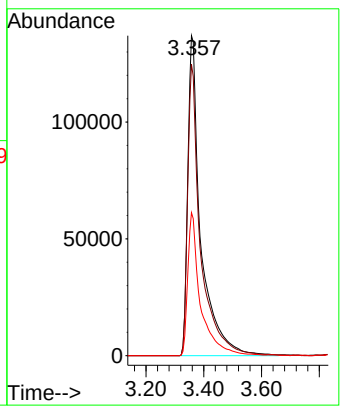


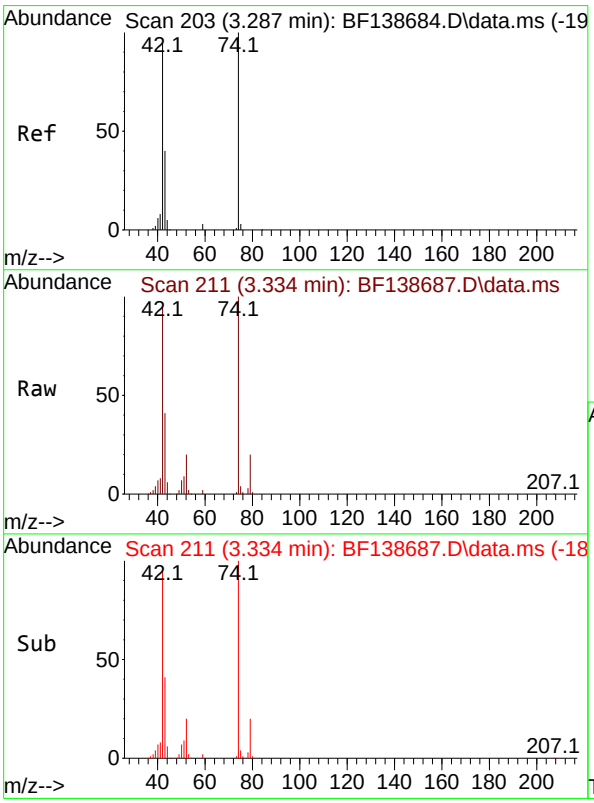
#3
Pyridine
Concen: 76.132 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 430656

Ion	Ratio	Lower	Upper
79	100		
52	91.0	74.7	112.1
51	44.7	34.6	51.8

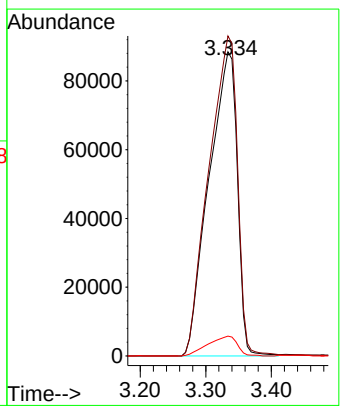


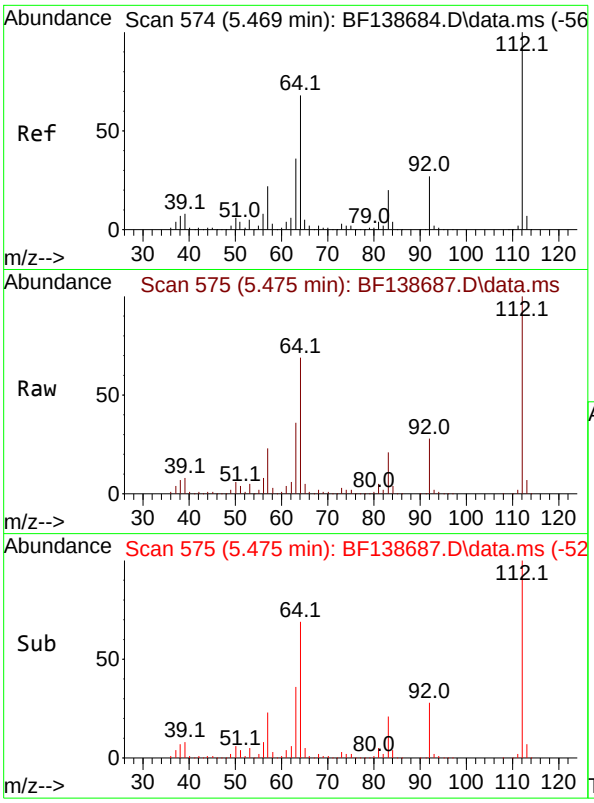


#4
n-Nitrosodimethylamine
Concen: 78.541 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 42 Resp: 264606

Ion	Ratio	Lower	Upper
42	100		
74	105.2	84.2	126.4
44	6.5	4.9	7.3



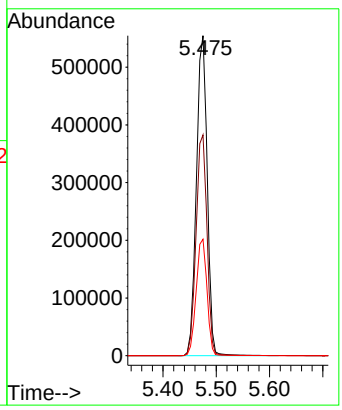


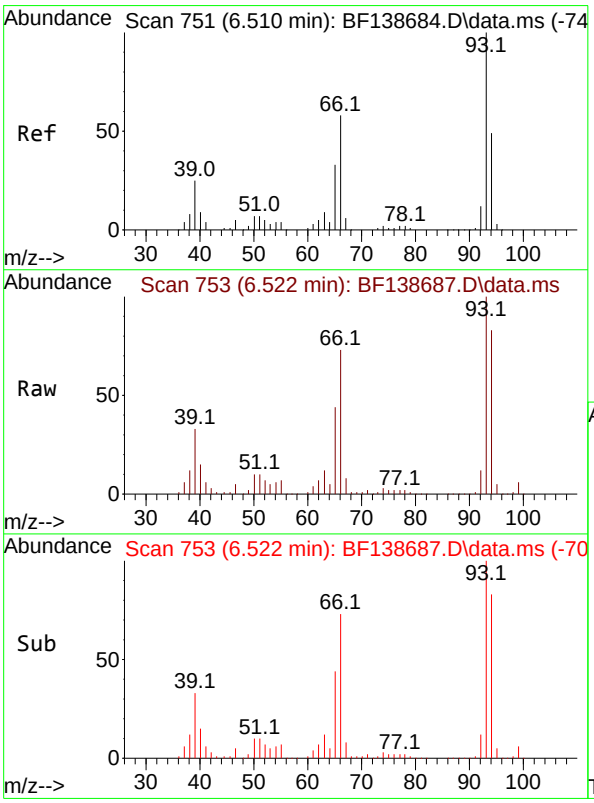
#5
2-Fluorophenol
Concen: 146.149 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 779516

Ion	Ratio	Lower	Upper
112	100		
64	69.0	54.2	81.4
63	36.4	28.7	43.1

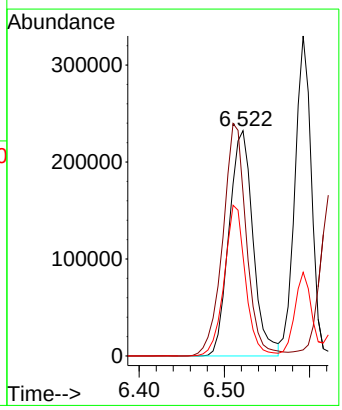


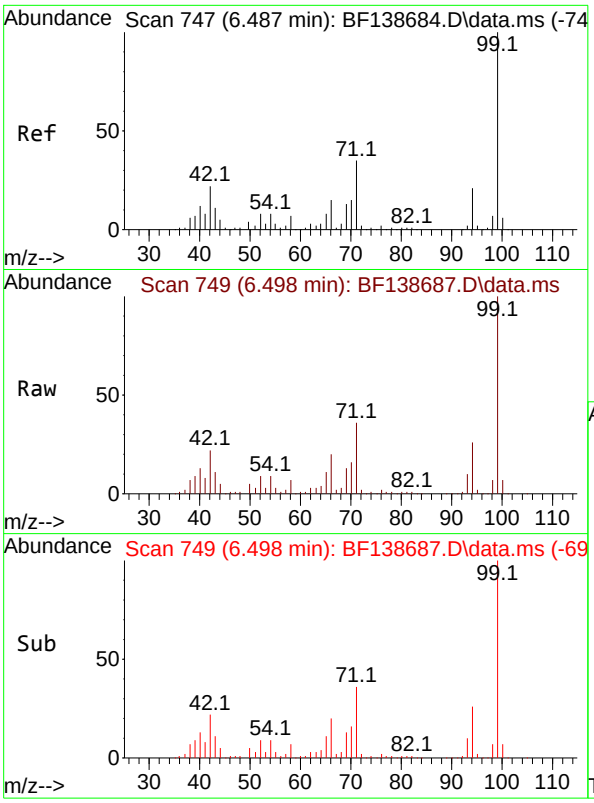


#6
Aniline
Concen: 70.918 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 93 Resp: 452908

Ion	Ratio	Lower	Upper
93	100		
66	72.6	46.9	70.3#
65	44.4	26.5	39.7#



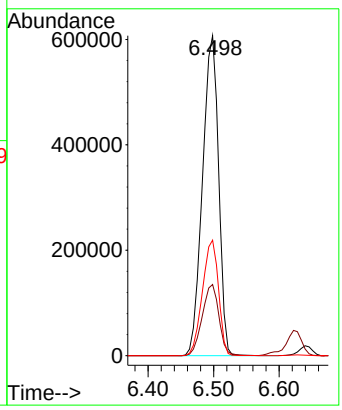


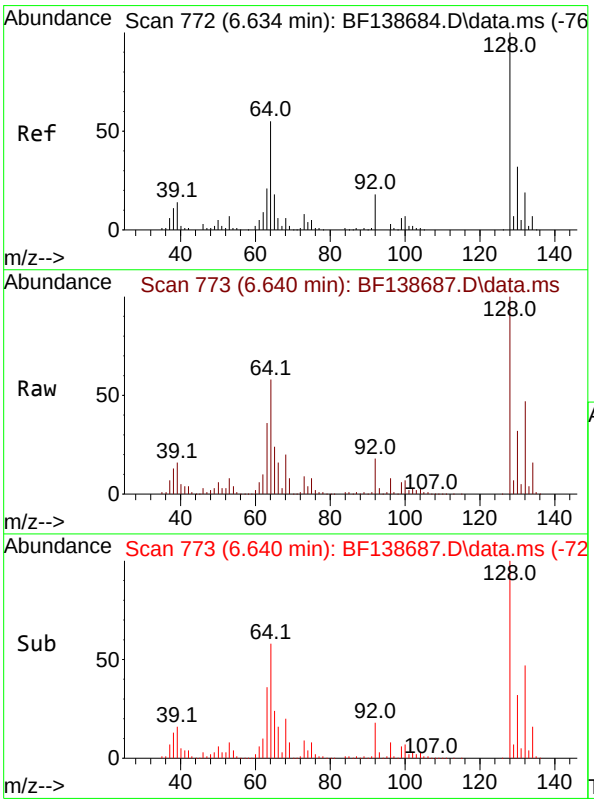
#7
Phenol-d6
Concen: 144.849 ng
RT: 6.498 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1037275

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.4	26.0
71	36.1	28.1	42.1

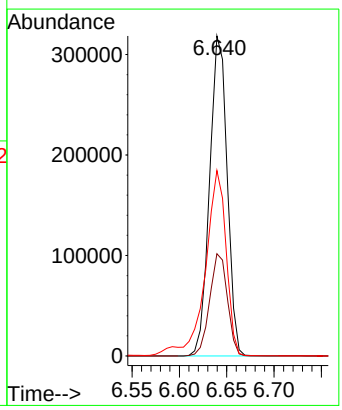


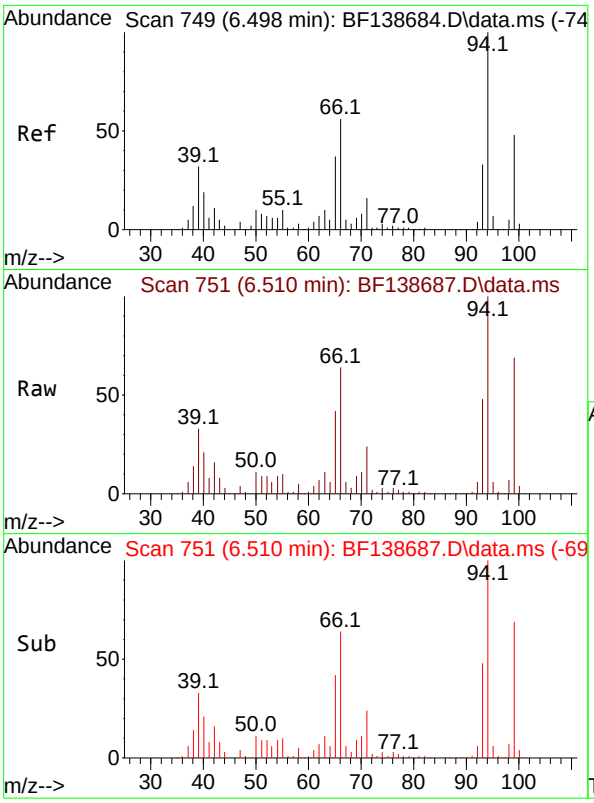


#8
2-Chlorophenol
Concen: 73.470 ng
RT: 6.640 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:128 Resp: 412290

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	57.9	36.3	76.3



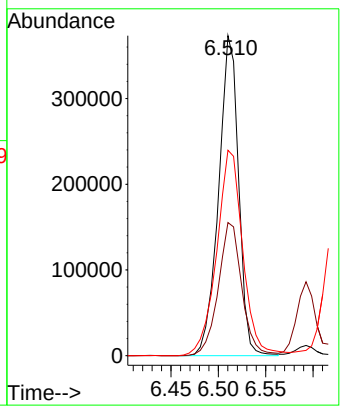


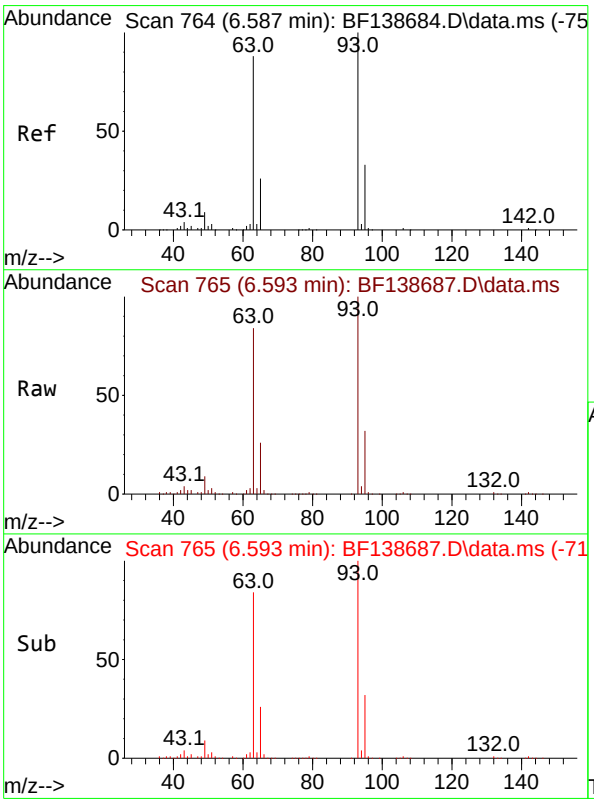
#10
Phenol
Concen: 72.698 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 548122

Ion	Ratio	Lower	Upper
94	100		
65	41.6	16.9	56.9
66	64.2	36.5	76.5

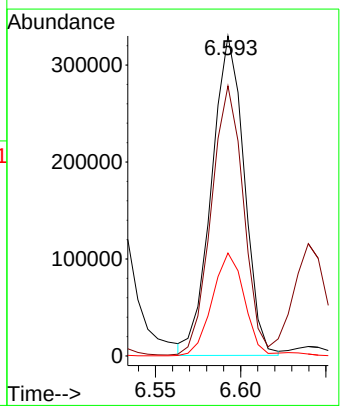


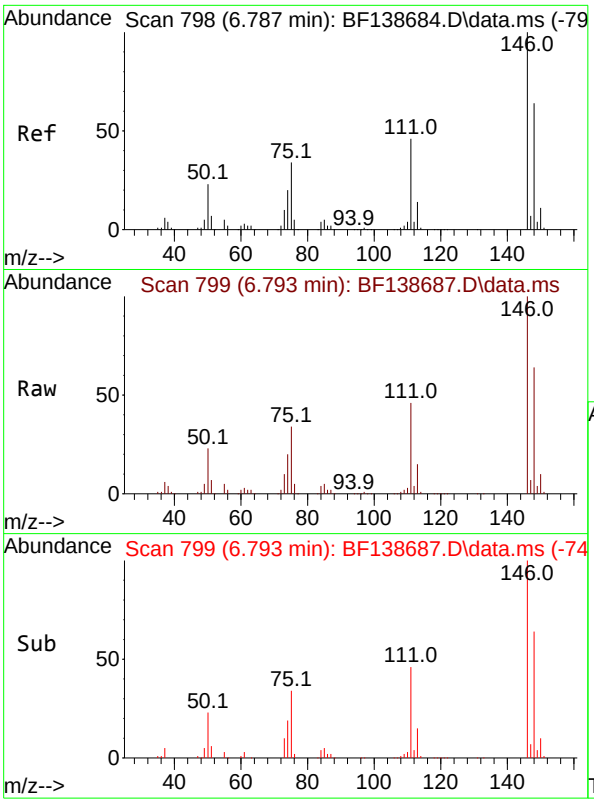


#11
bis(2-Chloroethyl)ether
Concen: 75.750 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 93 Resp: 439507

Ion	Ratio	Lower	Upper
93	100		
63	84.4	65.3	105.3
95	32.1	12.4	52.4



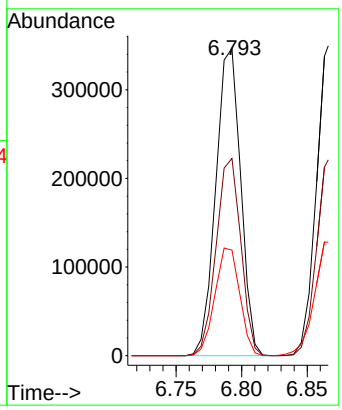


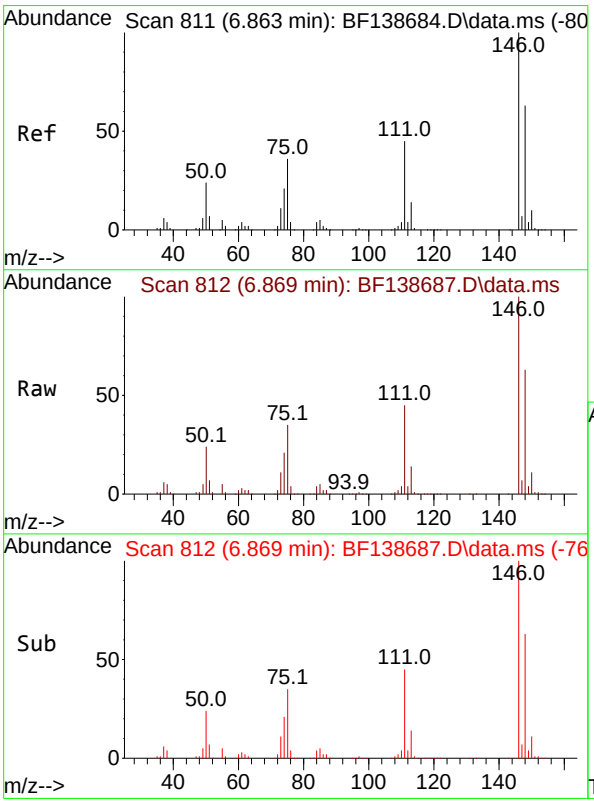
#12
1,3-Dichlorobenzene
Concen: 72.845 ng
RT: 6.793 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 457584

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	34.4	27.4	41.2

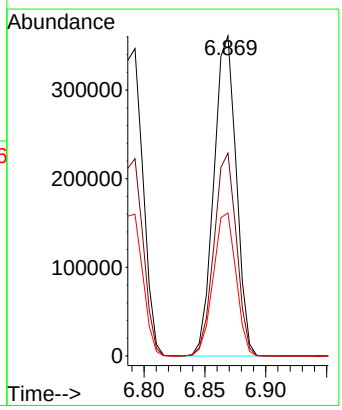


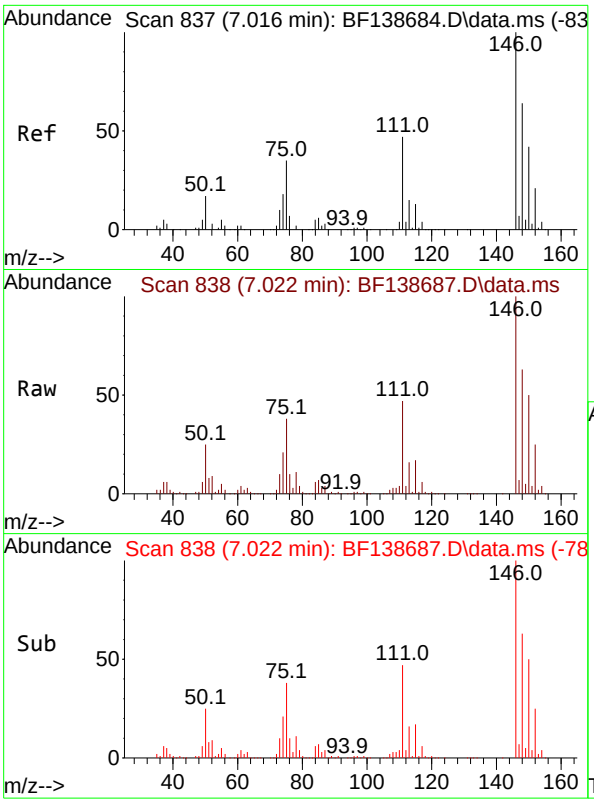


#13
1,4-Dichlorobenzene
Concen: 73.107 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:146 Resp: 463447

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	44.7	35.9	53.9



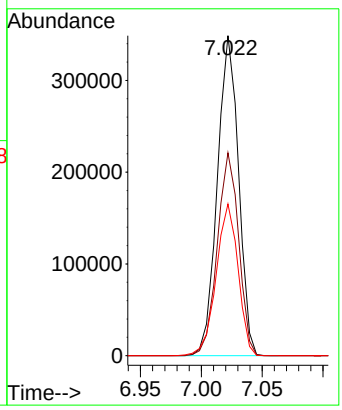


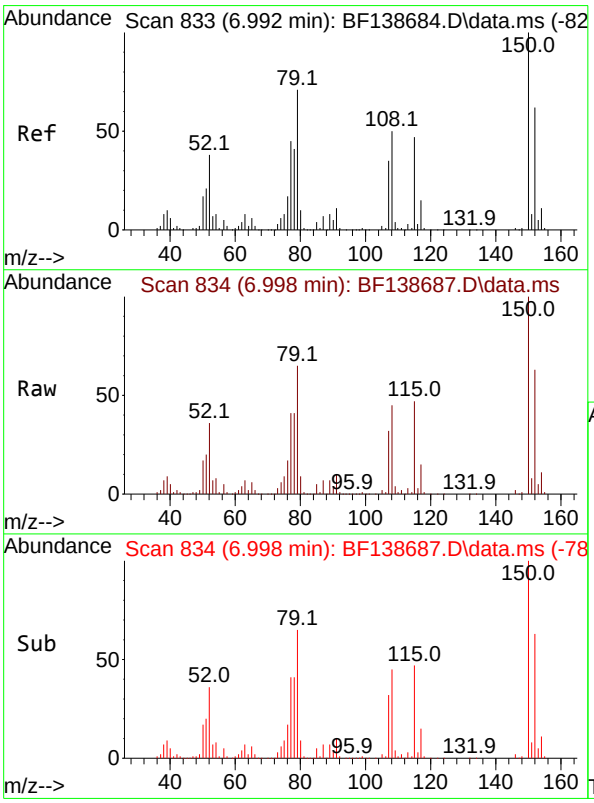
#14
1,2-Dichlorobenzene
Concen: 71.351 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 422717

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	47.4	37.4	56.2

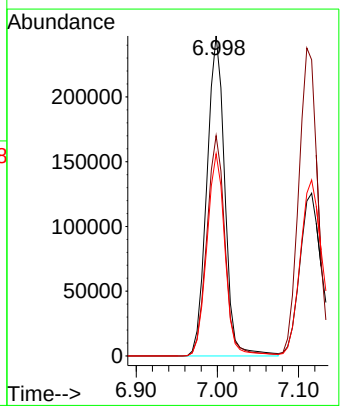


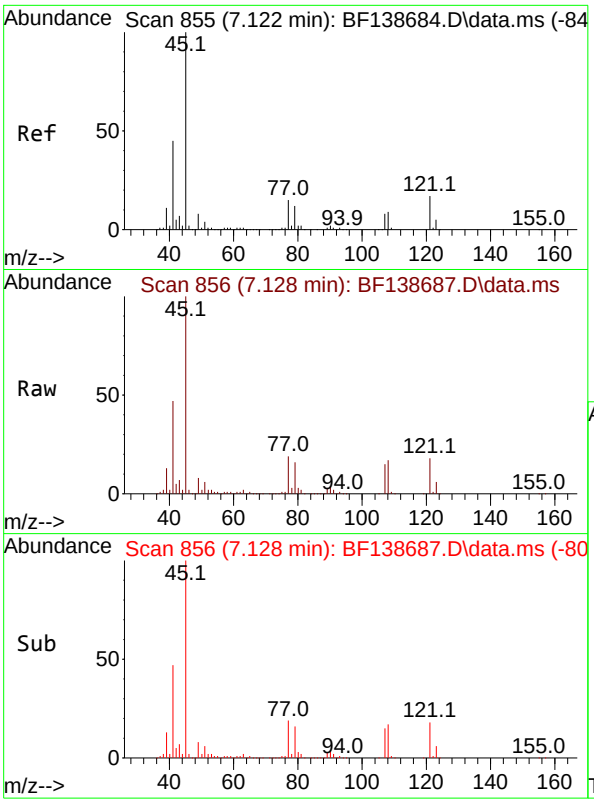


#15
Benzyl Alcohol
Concen: 73.451 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 79 Resp: 379102

Ion	Ratio	Lower	Upper
79	100		
108	68.9	56.6	85.0
77	63.2	50.3	75.5



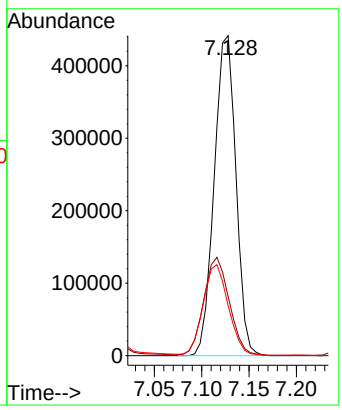


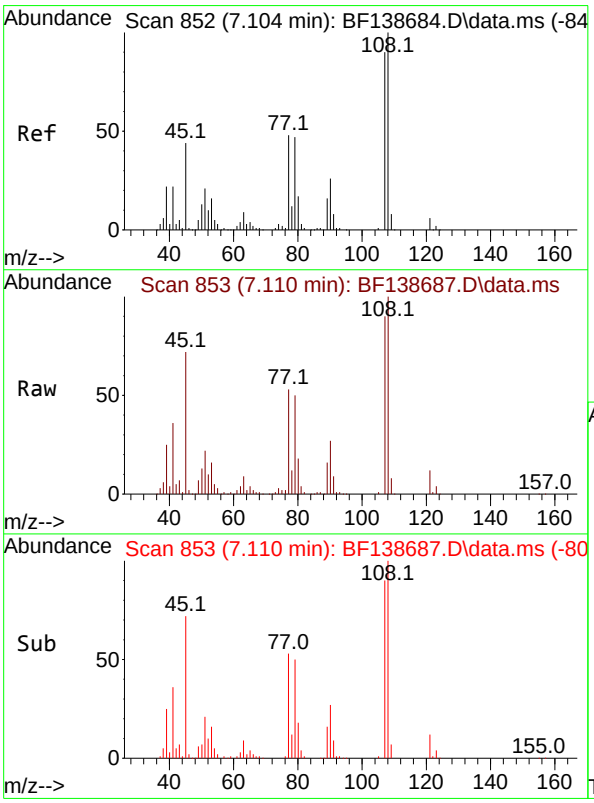
#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.510 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 704056

Ion	Ratio	Lower	Upper
45	100		
77	18.5	0.0	34.9
79	15.7	0.0	32.2

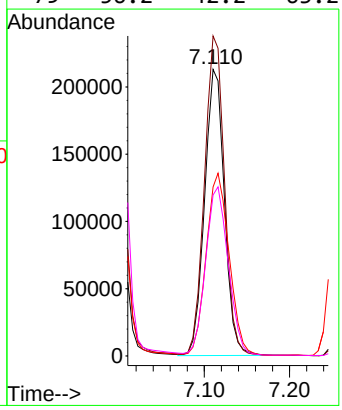


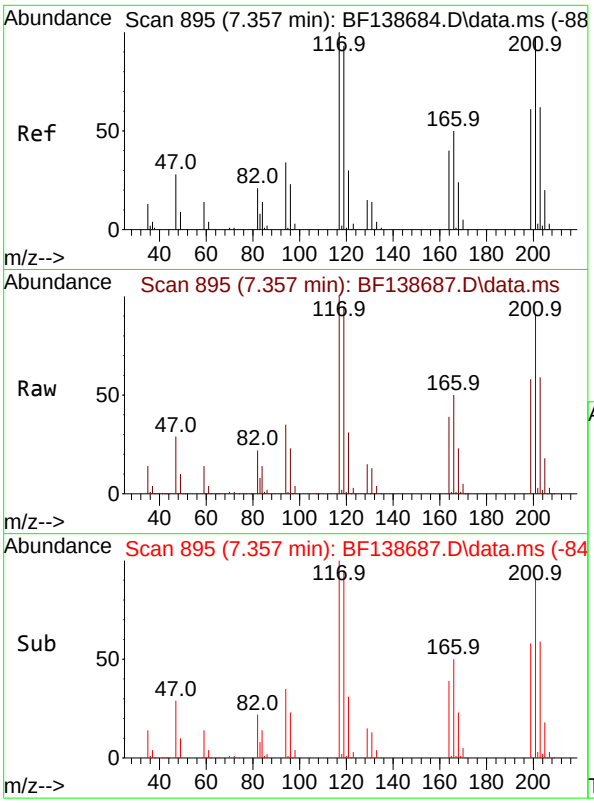


#17
2-Methylphenol
Concen: 74.274 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:107 Resp: 344171

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.2	133.8
77	59.0	43.0	64.4
79	56.2	42.2	63.2



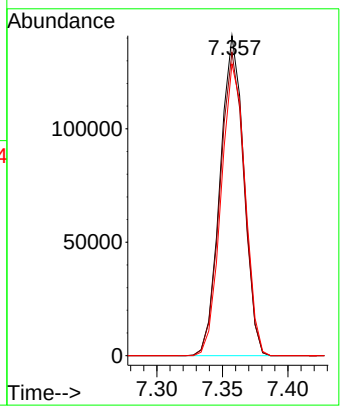


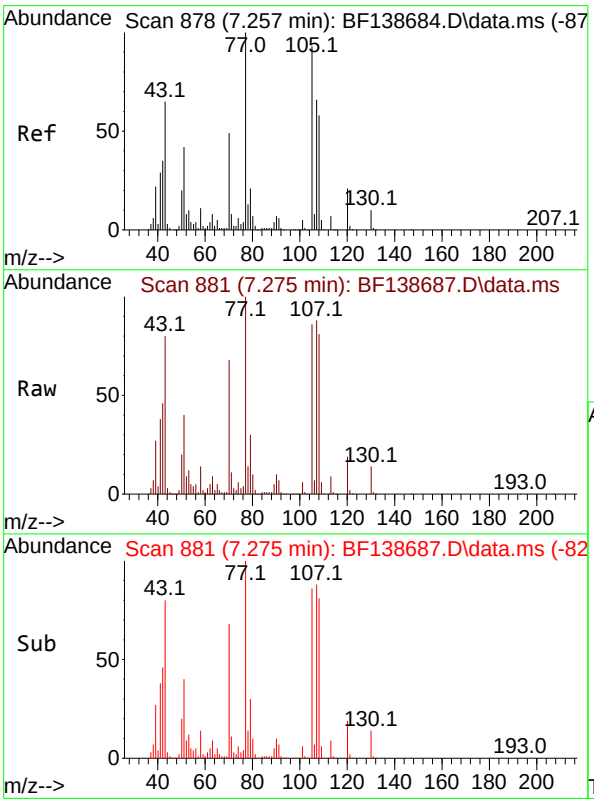
#18
Hexachloroethane
Concen: 74.559 ng
RT: 7.357 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 177915

Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.6	111.8
201	91.2	77.2	115.8

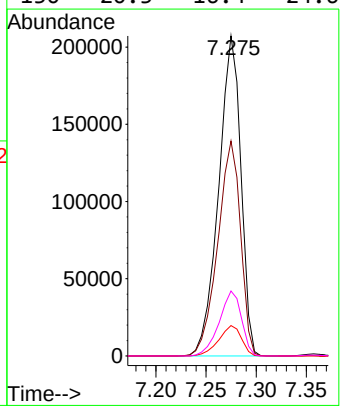


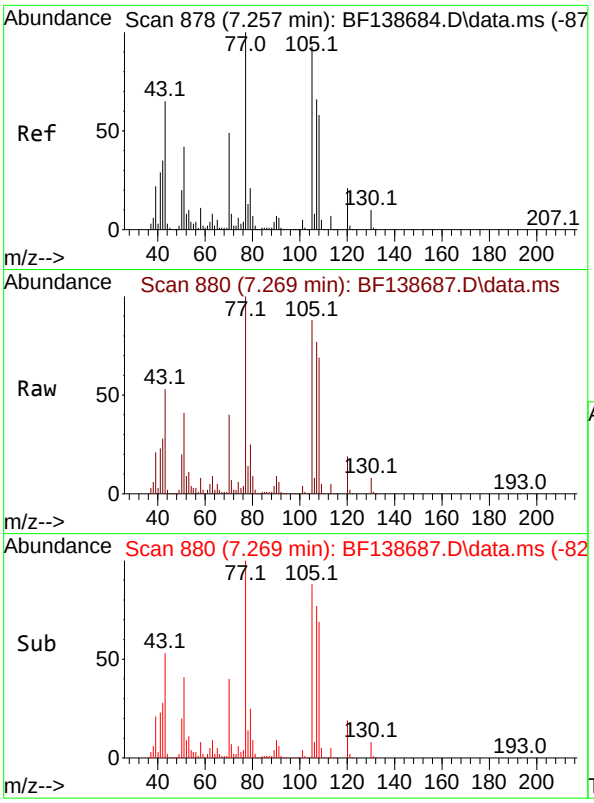


#19
n-Nitroso-di-n-propylamine
Concen: 73.850 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 70 Resp: 319414

Ion	Ratio	Lower	Upper
70	100		
42	67.1	57.4	86.0
101	9.5	7.5	11.3
130	20.3	16.4	24.6



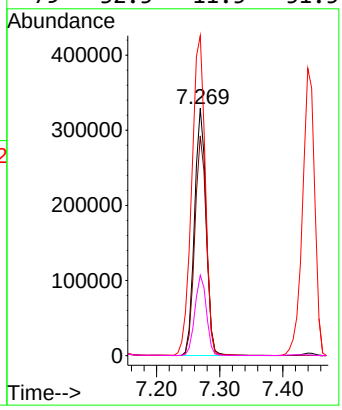


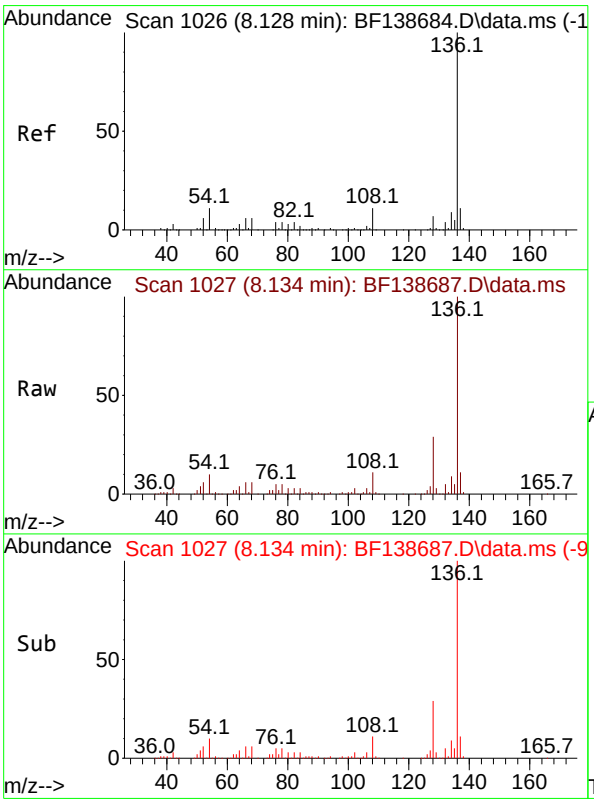
#20
3+4-Methylphenols
Concen: 70.728 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 420506

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.2	108.2
77	129.4	132.1	172.1#
79	32.5	11.5	51.5

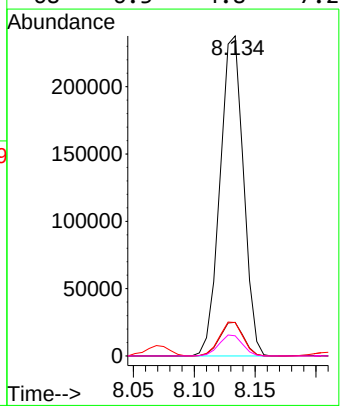


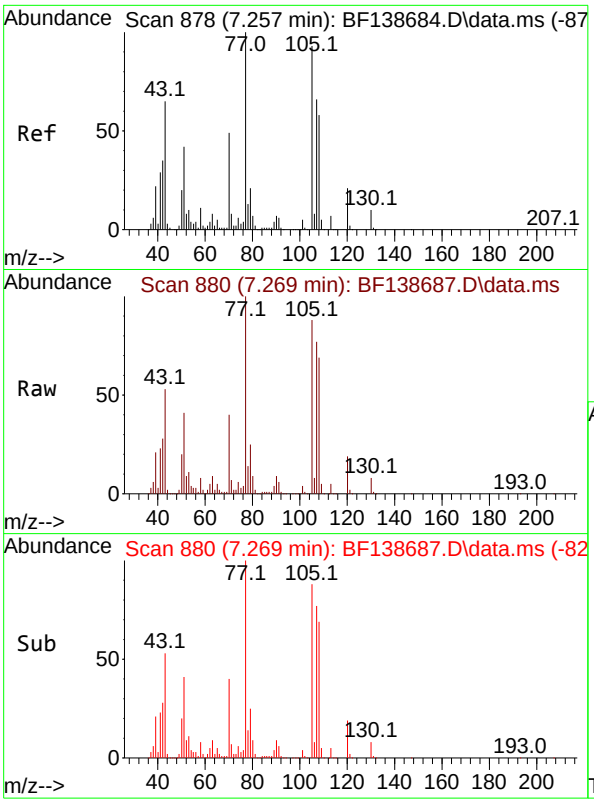


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:136 Resp: 318281

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.4	8.6	12.8
68	6.3	4.8	7.2



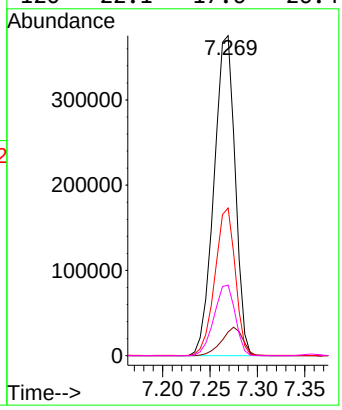


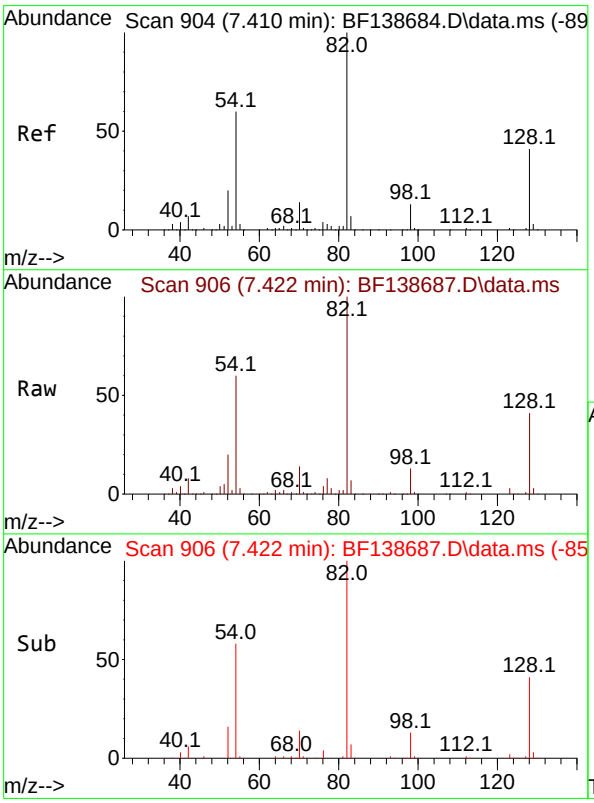
#22
Acetophenone
Concen: 74.849 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 583306

Ion	Ratio	Lower	Upper
105	100		
71	7.4	7.2	10.8
51	46.1	35.9	53.9
120	22.1	17.6	26.4

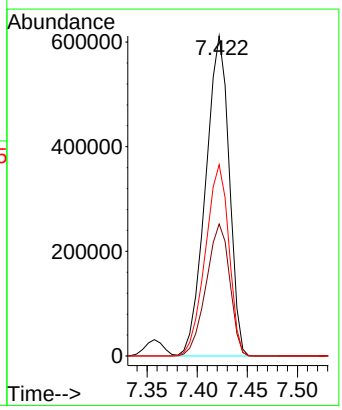


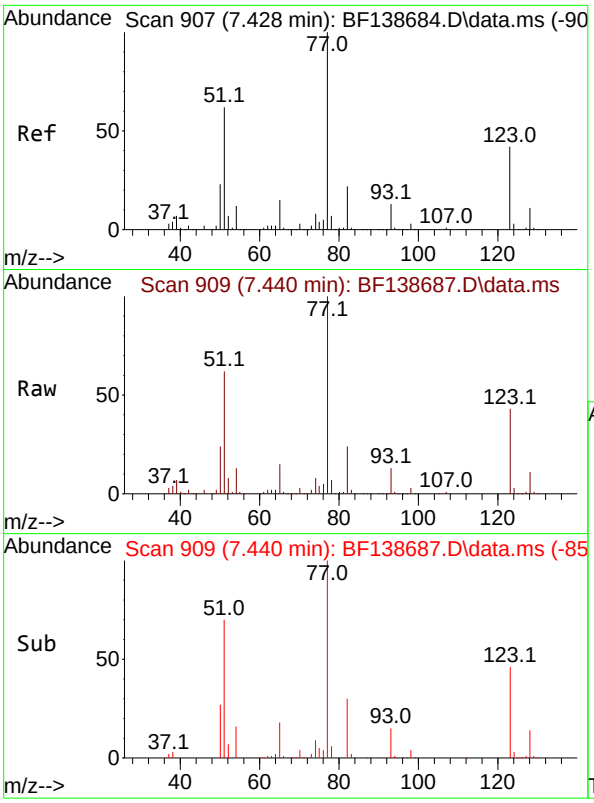


#23
Nitrobenzene-d5
Concen: 153.499 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 82 Resp: 999276

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.8	49.2
54	59.8	48.3	72.5



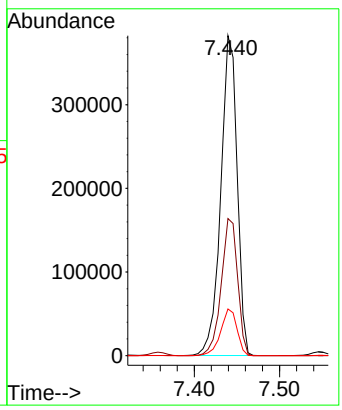


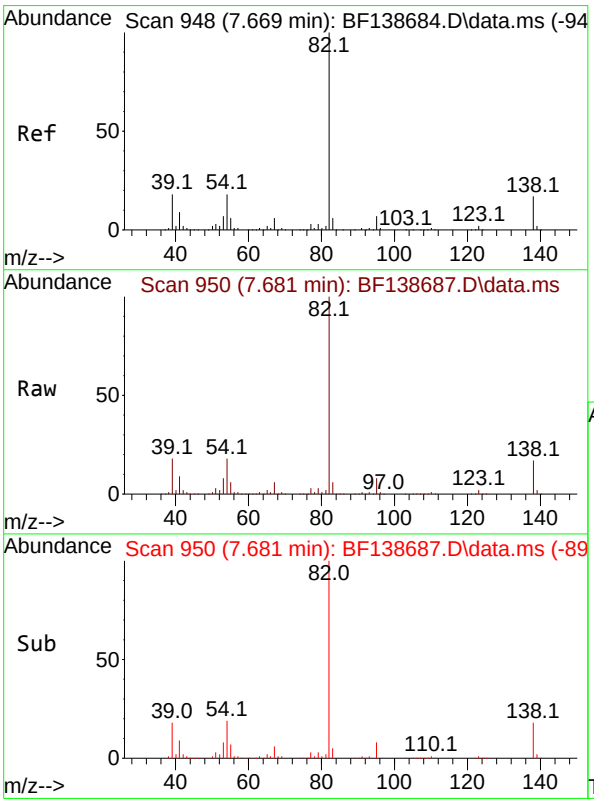
#24
Nitrobenzene
Concen: 77.019 ng
RT: 7.440 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 510201

Ion	Ratio	Lower	Upper
77	100		
123	42.8	33.3	49.9
65	14.6	11.9	17.9

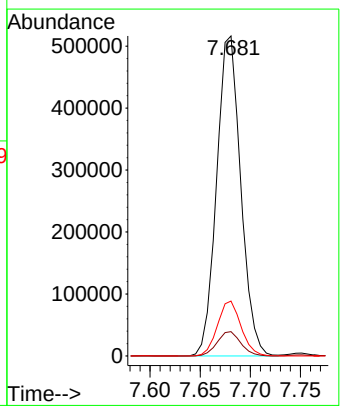


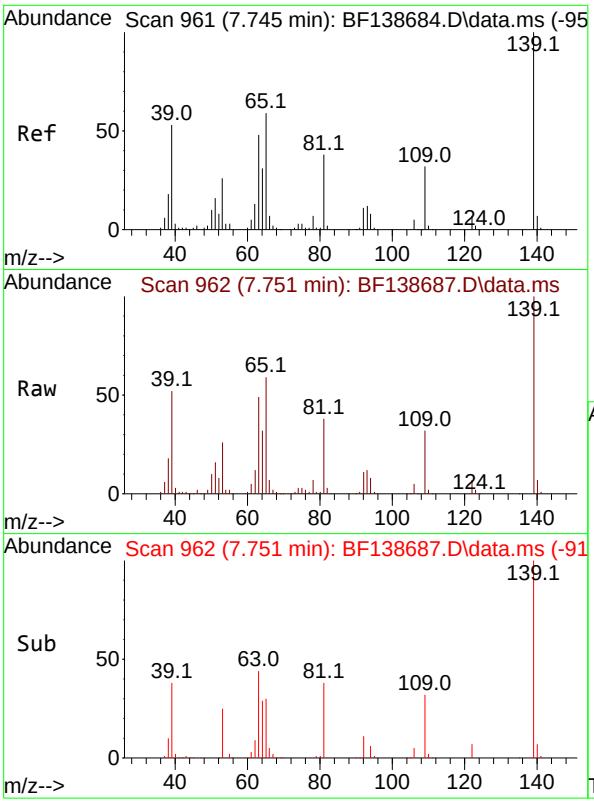


#25
Isophorone
Concen: 77.580 ng
RT: 7.681 min Scan# 950
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 82 Resp: 862380

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.7	8.5
138	17.2	13.7	20.5



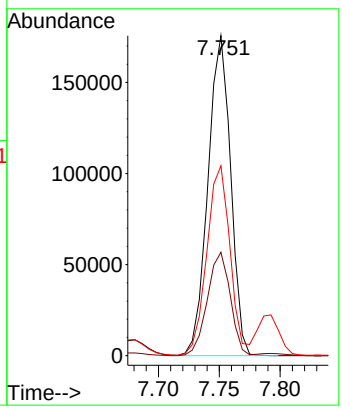


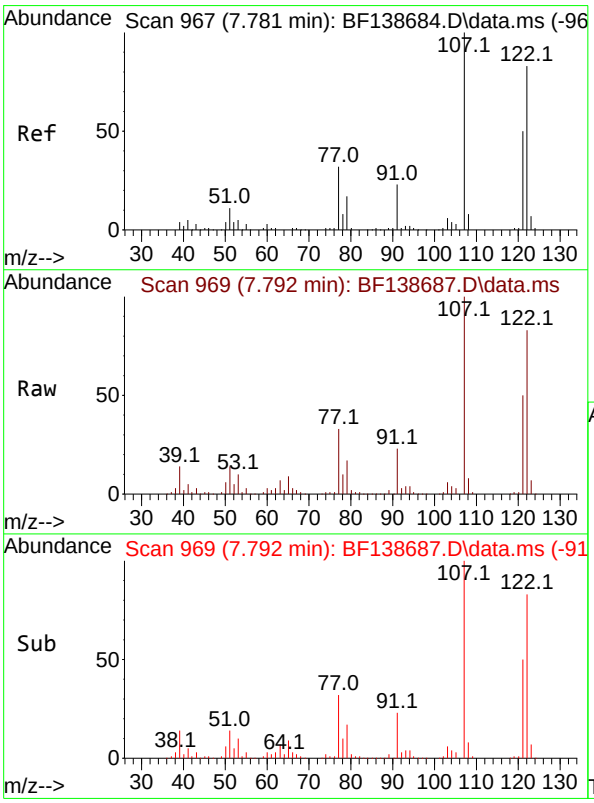
#26
2-Nitrophenol
Concen: 79.835 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 227531

Ion	Ratio	Lower	Upper
139	100		
109	32.3	25.9	38.9
65	59.3	47.0	70.6

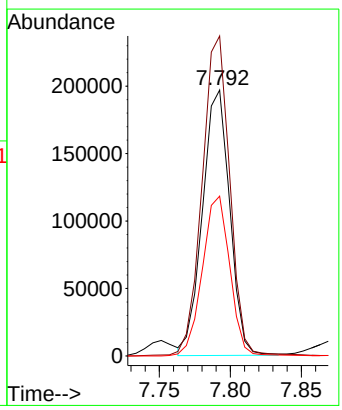


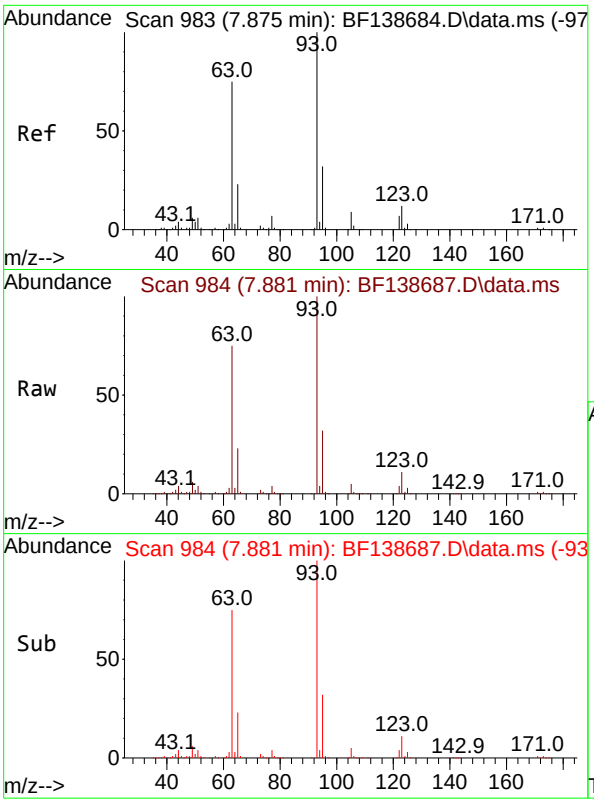


#27
2,4-Dimethylphenol
Concen: 77.265 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:122 Resp: 263469

Ion	Ratio	Lower	Upper
122	100		
107	120.4	95.0	142.6
121	60.1	47.3	70.9



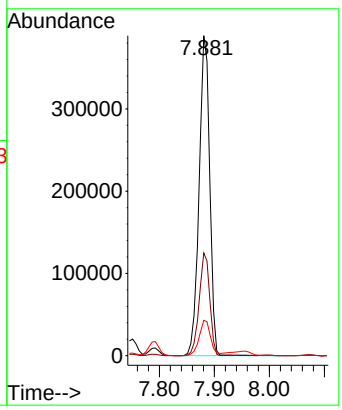


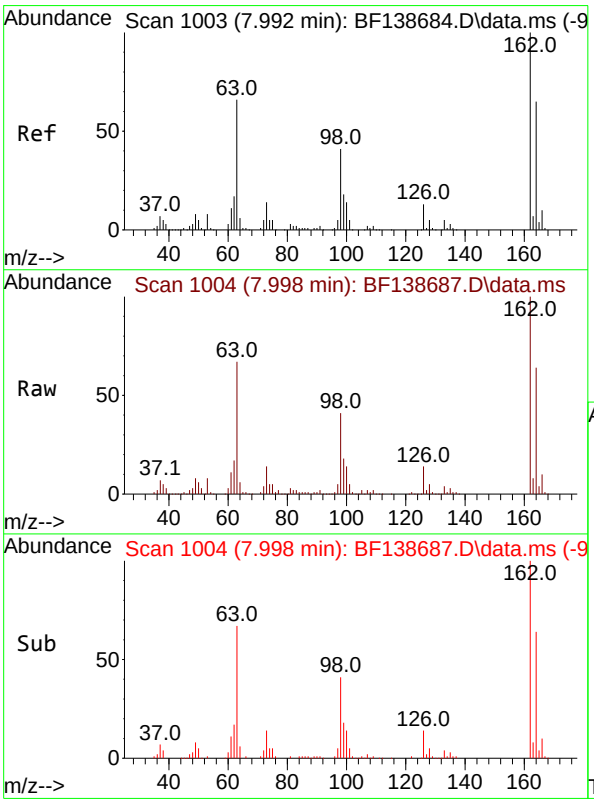
#28
bis(2-Chloroethoxy)methane
Concen: 77.190 ng
RT: 7.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 522528

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	11.1	9.4	14.0

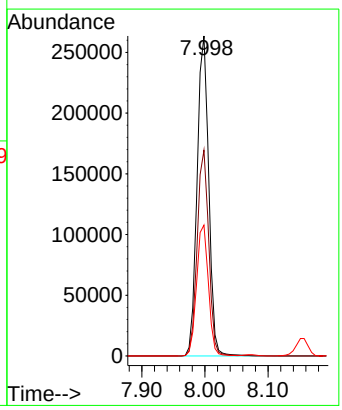


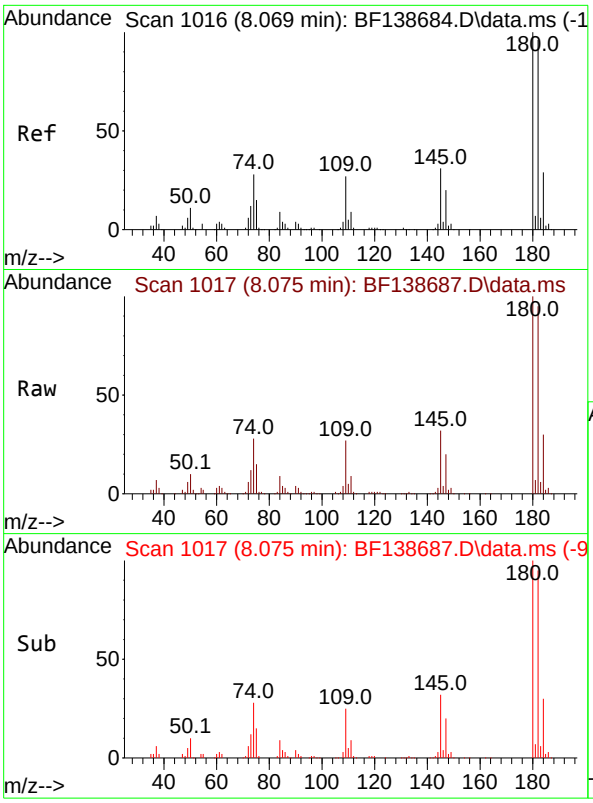


#29
2,4-Dichlorophenol
Concen: 76.805 ng
RT: 7.998 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:162 Resp: 336540

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.7	84.7
98	40.9	20.8	60.8



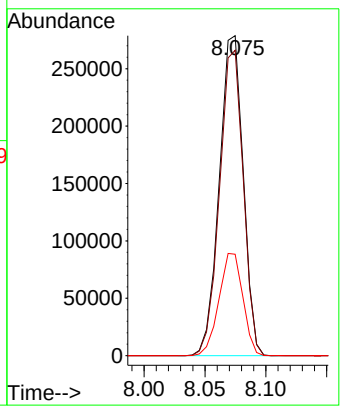


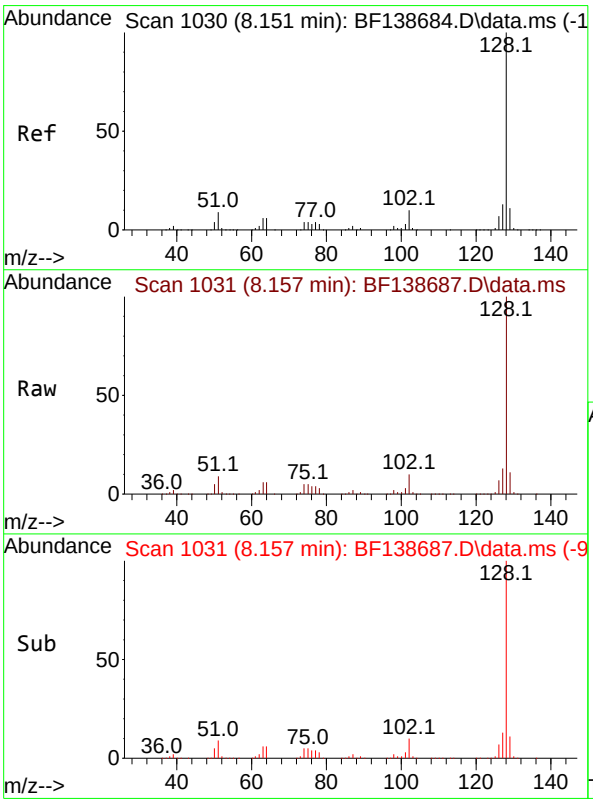
#30
1,2,4-Trichlorobenzene
Concen: 75.405 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 381296

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	31.7	25.0	37.4

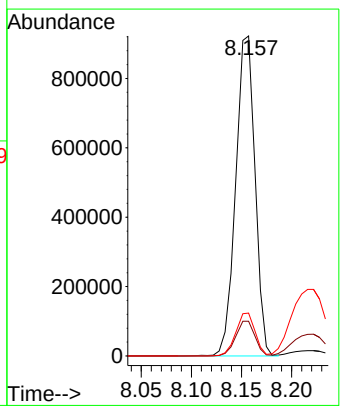


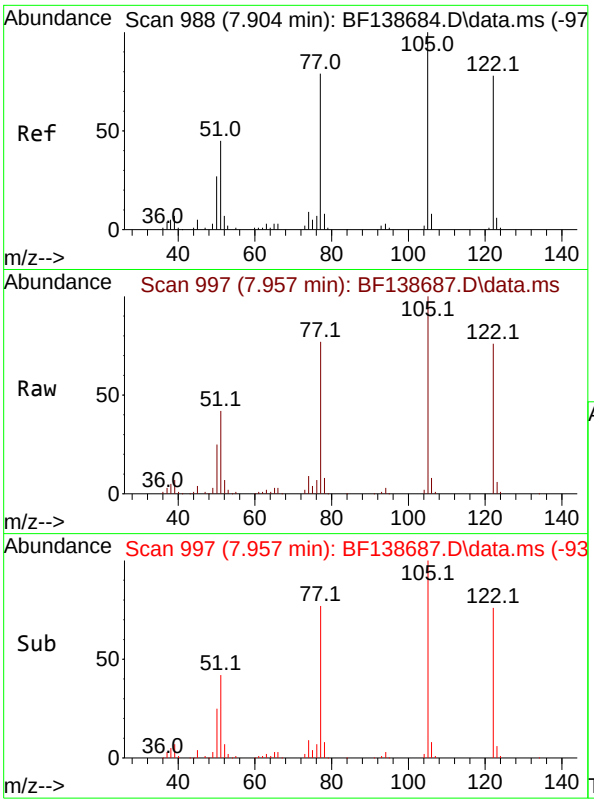


#31
Naphthalene
Concen: 74.139 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:128 Resp: 1242069

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.6	16.0



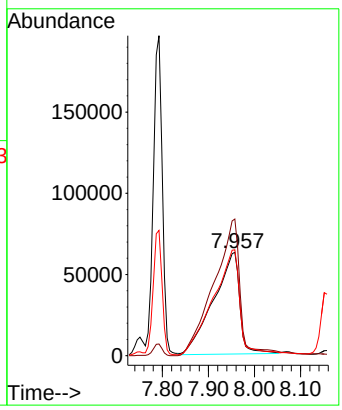


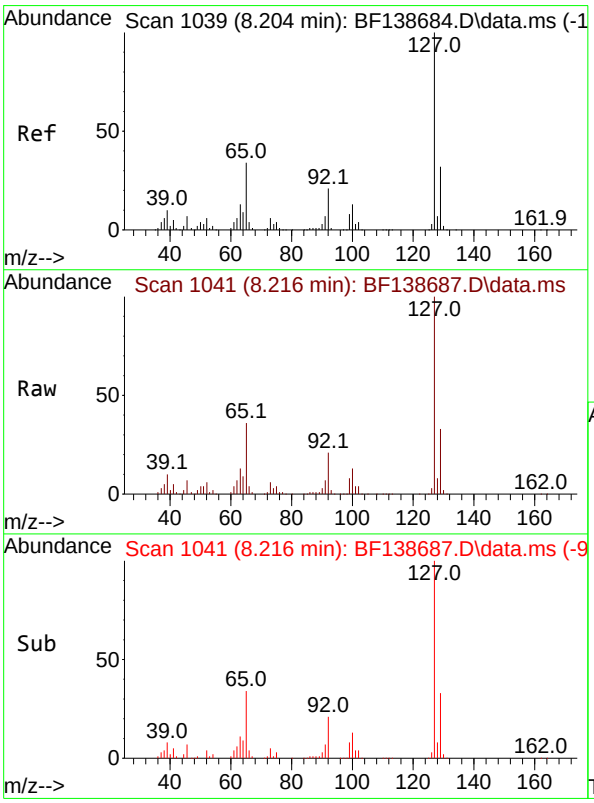
#32
Benzoic acid
Concen: 92.209 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.053 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 247058

Ion	Ratio	Lower	Upper
122	100		
105	132.3	106.7	146.7
77	102.5	81.1	121.1

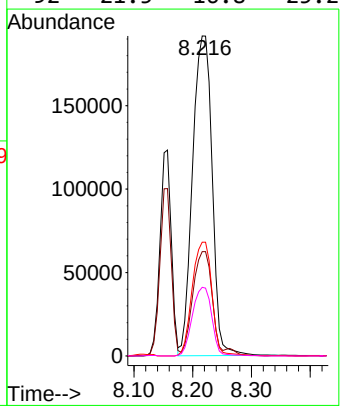


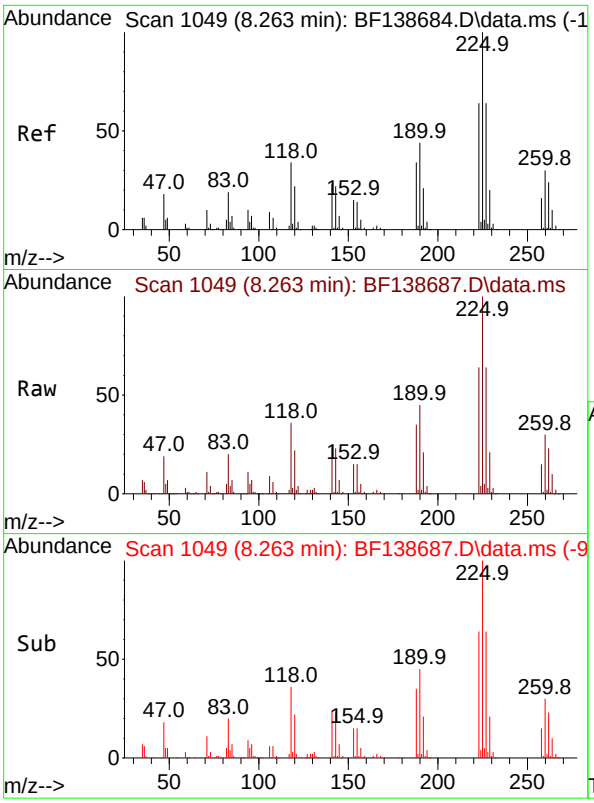


#33
4-Chloroaniline
Concen: 78.849 ng
RT: 8.216 min Scan# 1041
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:127 Resp: 443424

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	35.6	27.6	41.4
92	21.5	16.8	25.2



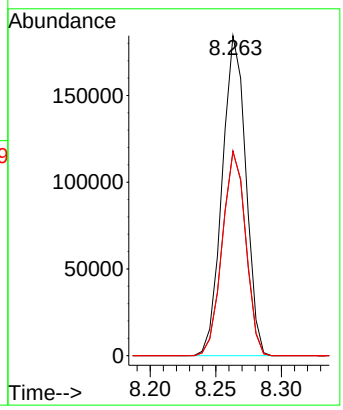


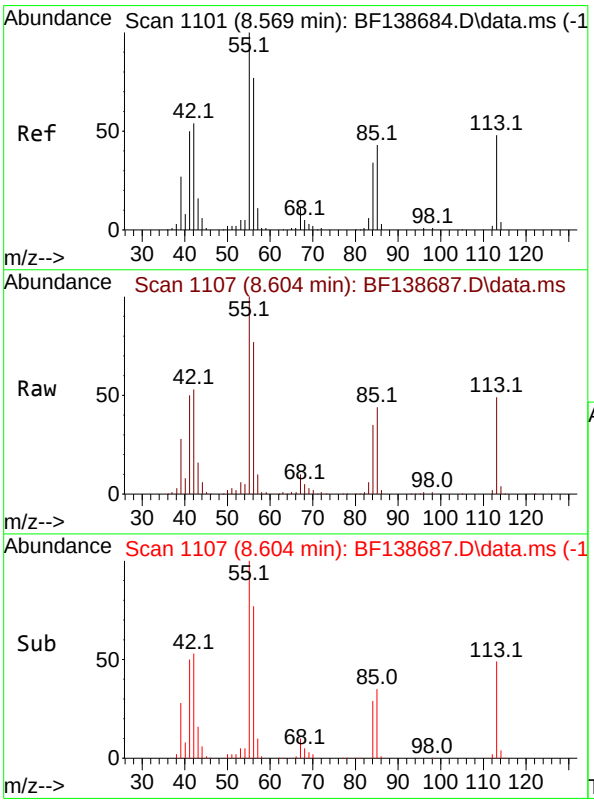
#34
Hexachlorobutadiene
Concen: 75.351 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 230783

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.2	76.8
227	63.7	51.1	76.7

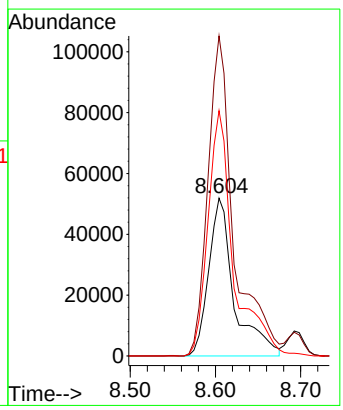


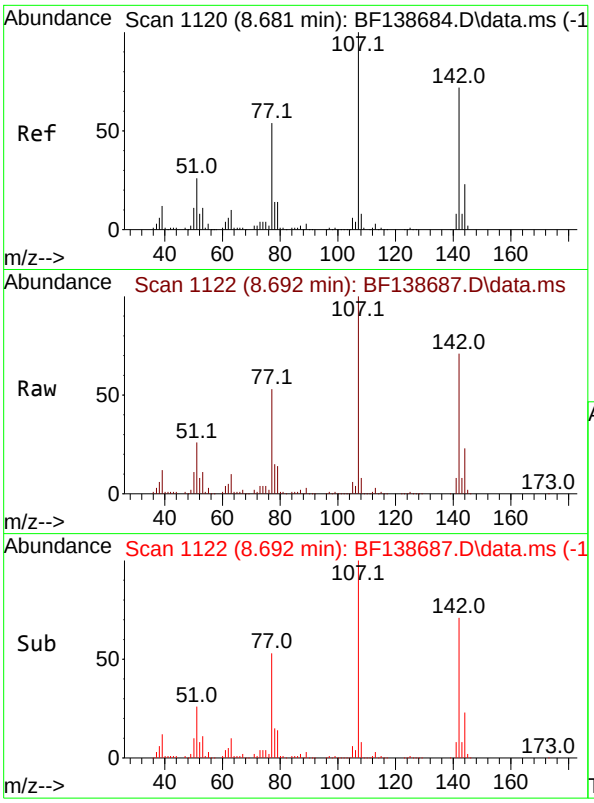


#35
Caprolactam
Concen: 82.539 ng
RT: 8.604 min Scan# 1107
Delta R.T. 0.035 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:113 Resp: 107916

Ion	Ratio	Lower	Upper
113	100		
55	202.9	186.7	226.7
56	155.5	138.9	178.9



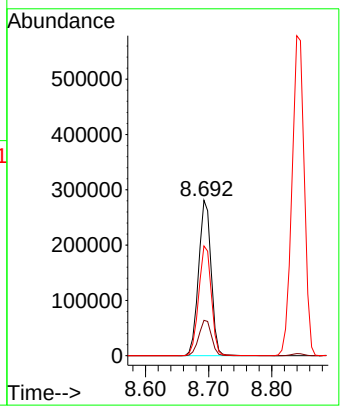


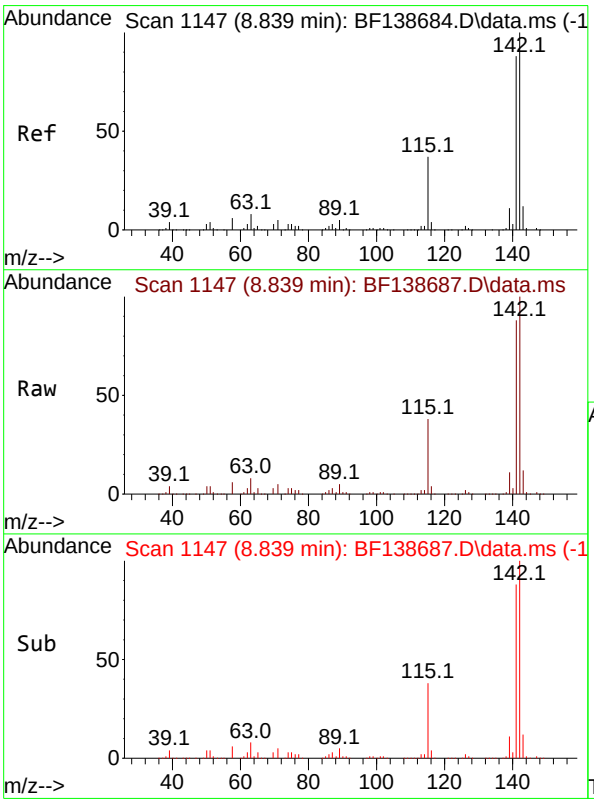
#36
4-Chloro-3-methylphenol
Concen: 77.158 ng
RT: 8.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 386382

Ion	Ratio	Lower	Upper
107	100		
144	22.8	18.2	27.2
142	70.7	57.4	86.2

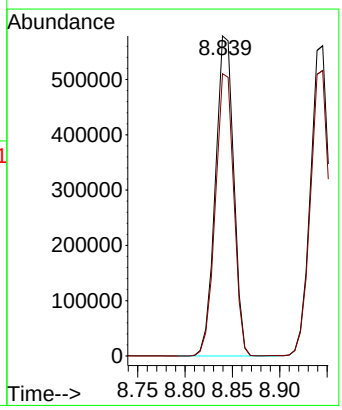


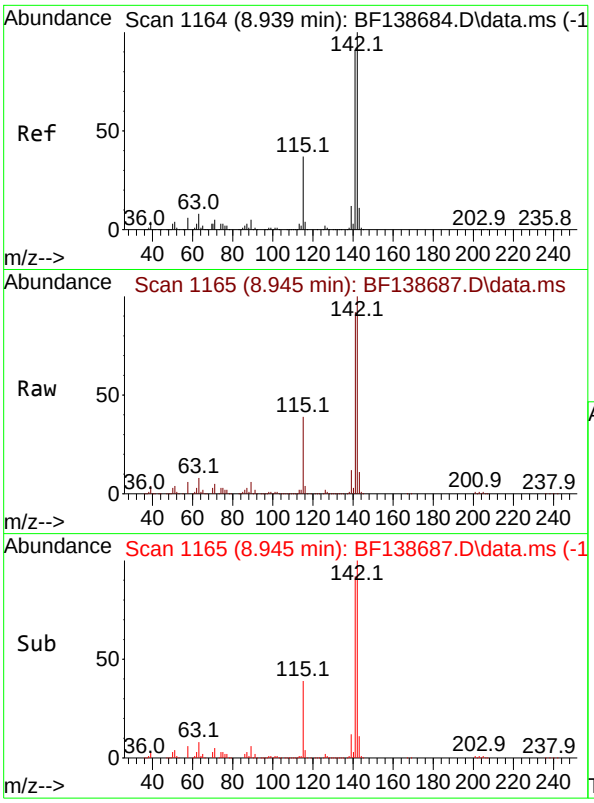


#37
2-Methylnaphthalene
Concen: 73.988 ng
RT: 8.839 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:142 Resp: 782843

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2



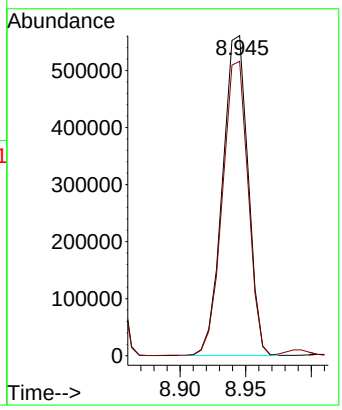


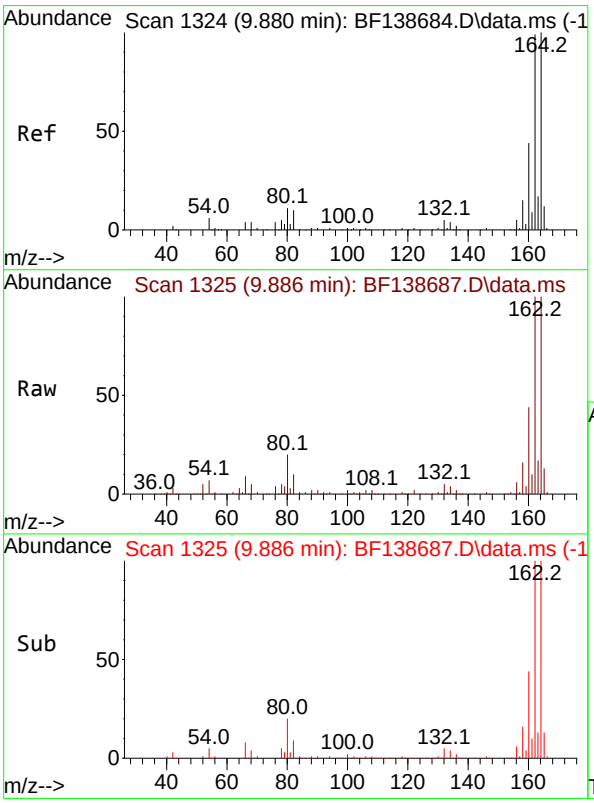
#38
1-Methylnaphthalene
Concen: 73.328 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 760272

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7

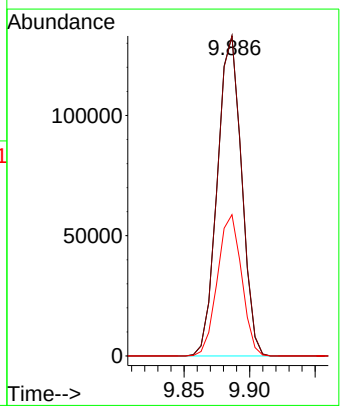


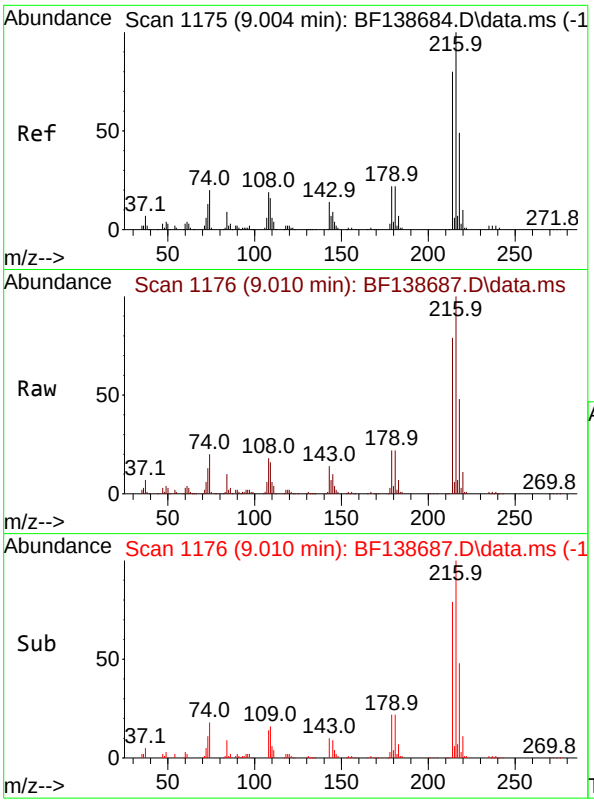


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:164 Resp: 170513

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.2	35.1	52.7



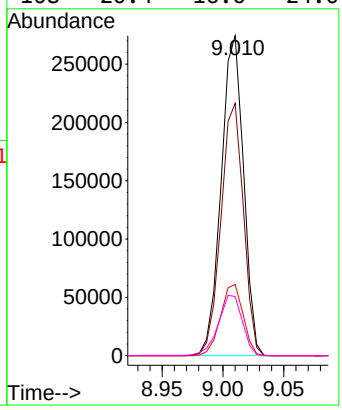


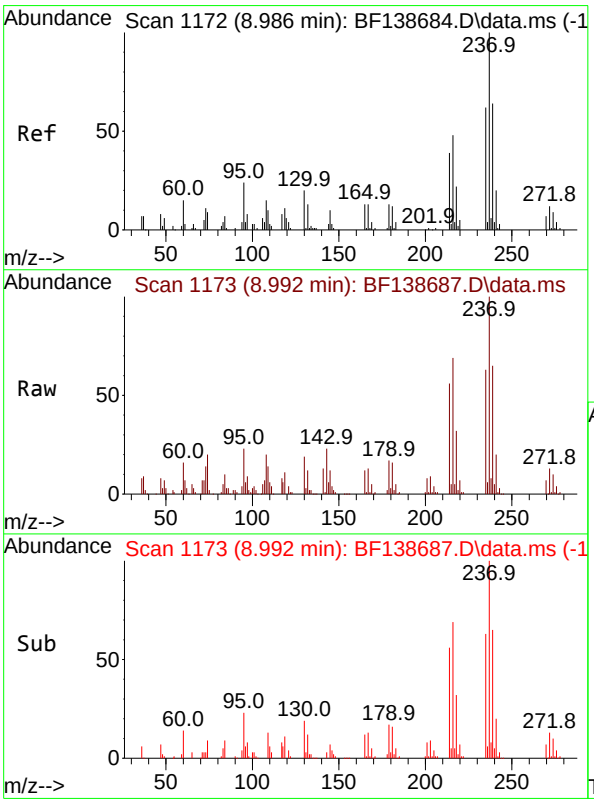
#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.196 ng
RT: 9.010 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 351438

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.9	95.9
179	22.5	17.8	26.6
108	20.4	16.0	24.0

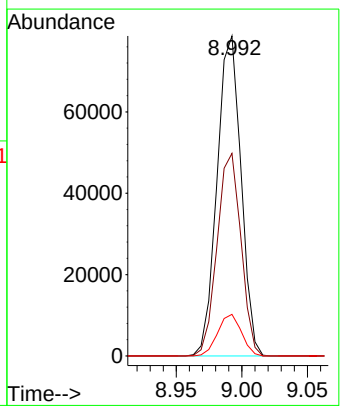


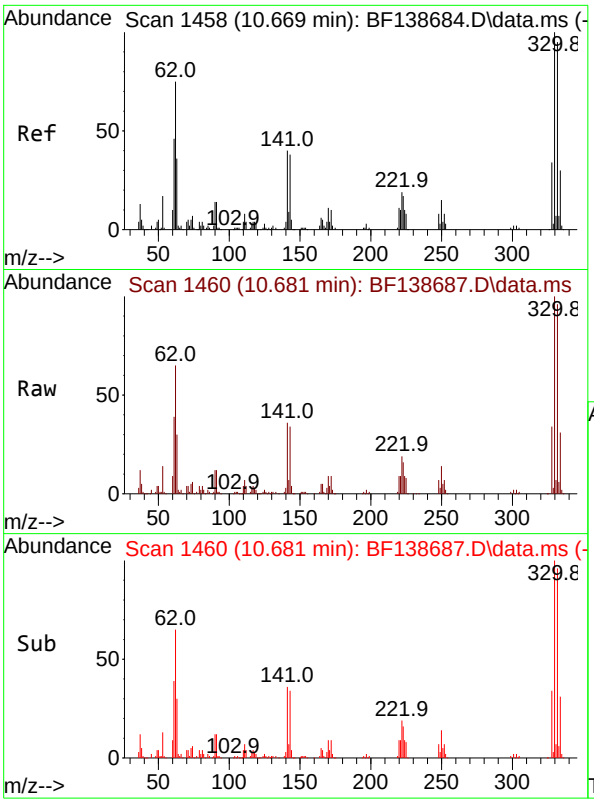


#41
Hexachlorocyclopentadiene
Concen: 79.729 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:237 Resp: 99926

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.8	81.8
272	13.0	0.0	32.2



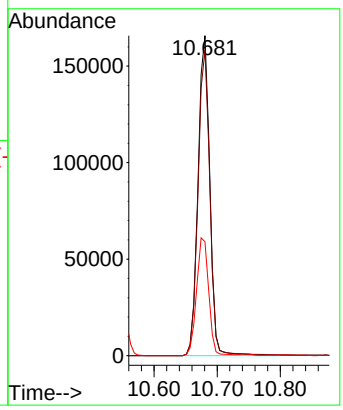


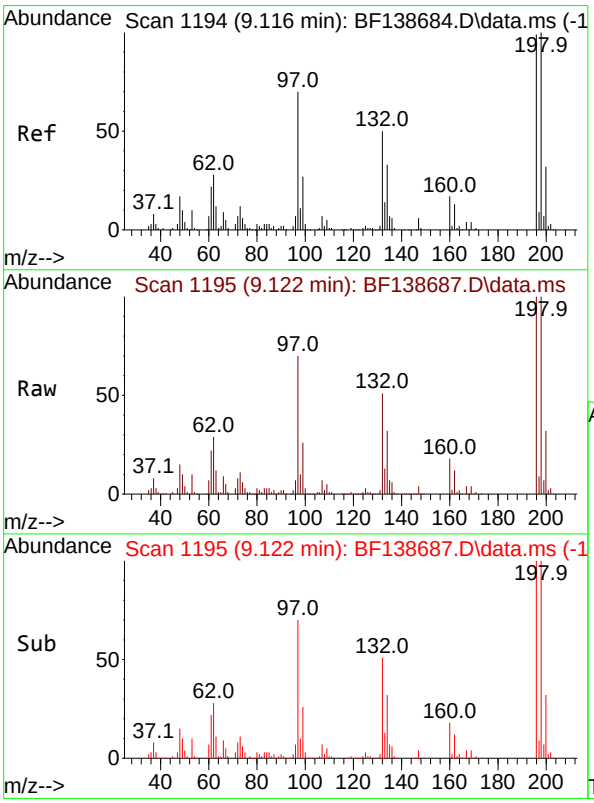
#42
2,4,6-Tribromophenol
Concen: 154.157 ng
RT: 10.681 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 215316

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.4	114.6
141	37.9	31.1	46.7

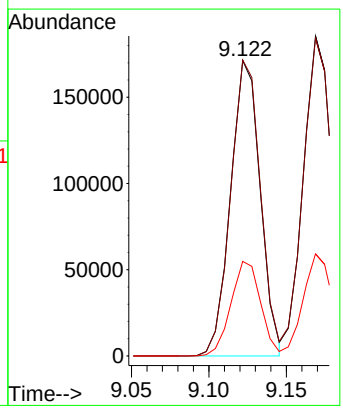


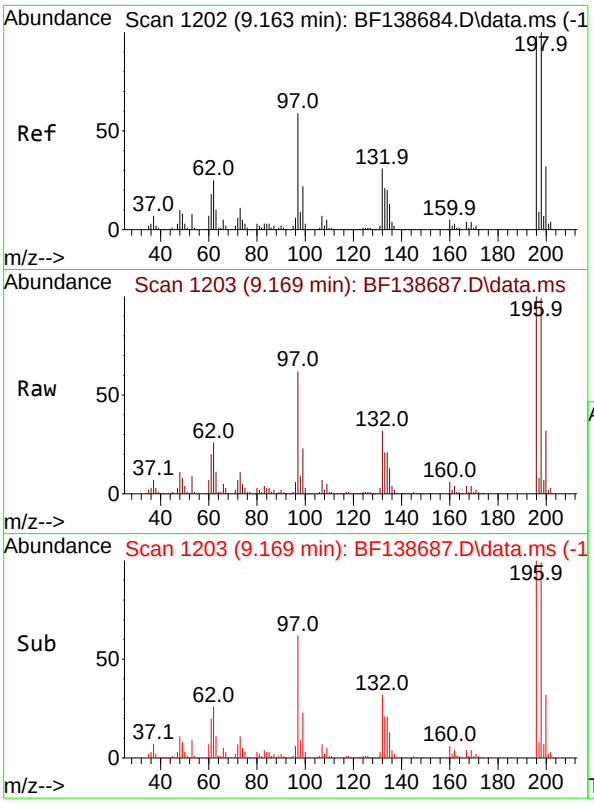


#43
2,4,6-Trichlorophenol
Concen: 78.913 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:196 Resp: 227901

Ion	Ratio	Lower	Upper
196	100		
198	100.2	80.5	120.7
200	32.0	25.9	38.9



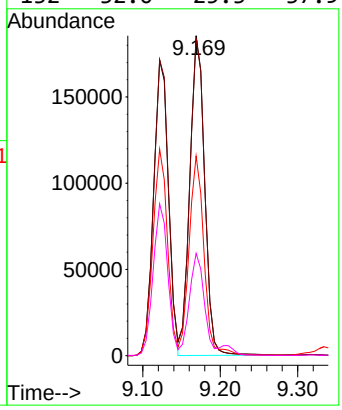


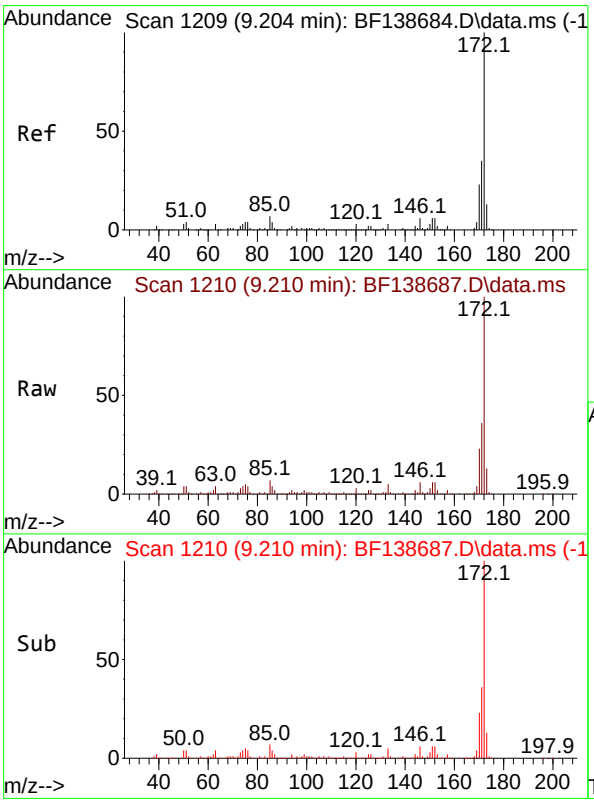
#44
2,4,5-Trichlorophenol
Concen: 77.822 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 245697

Ion	Ratio	Lower	Upper
196	100		
198	99.3	81.2	121.8
97	62.4	47.8	71.6
132	32.0	25.3	37.9

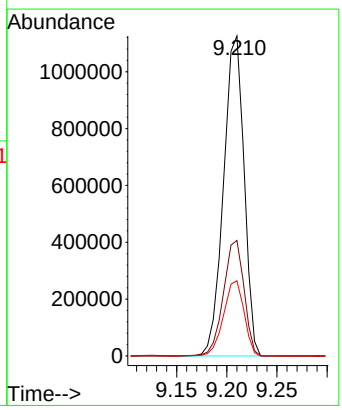


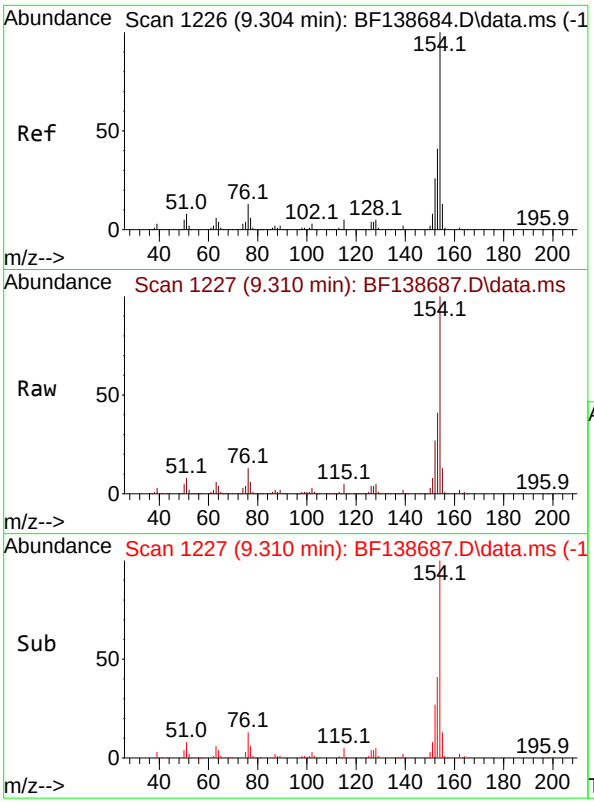


#45
2-Fluorobiphenyl
Concen: 140.843 ng
RT: 9.210 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:172 Resp: 1598378

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



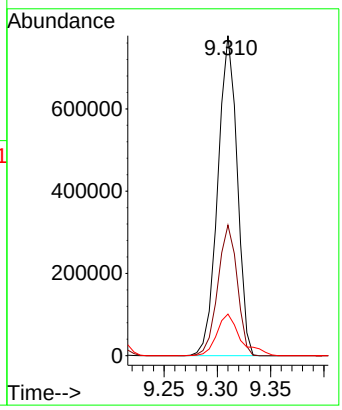


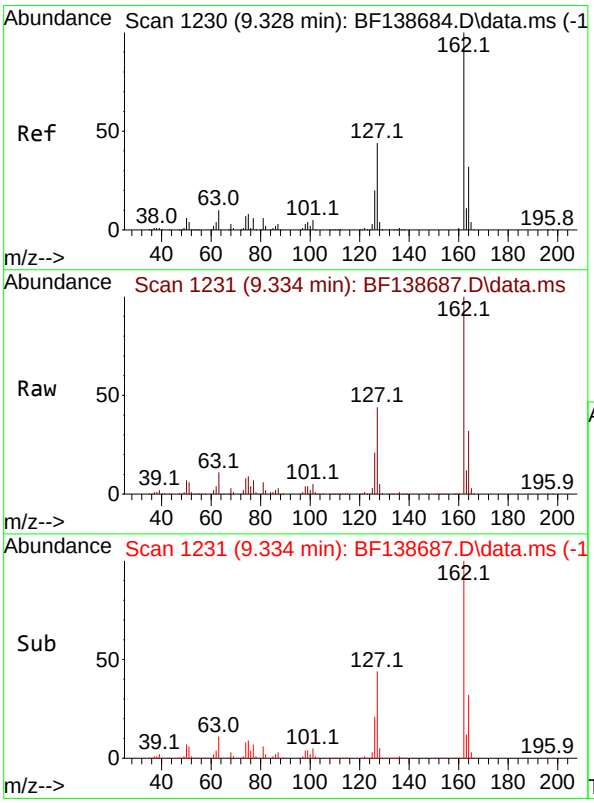
#46
1,1'-Biphenyl
Concen: 73.651 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 983564

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	13.0	0.0	32.8

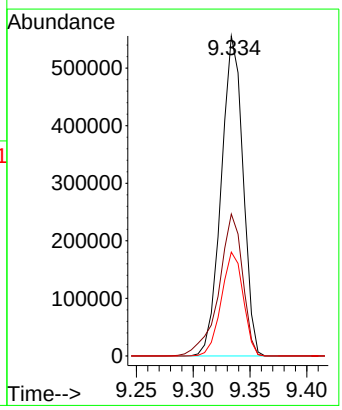


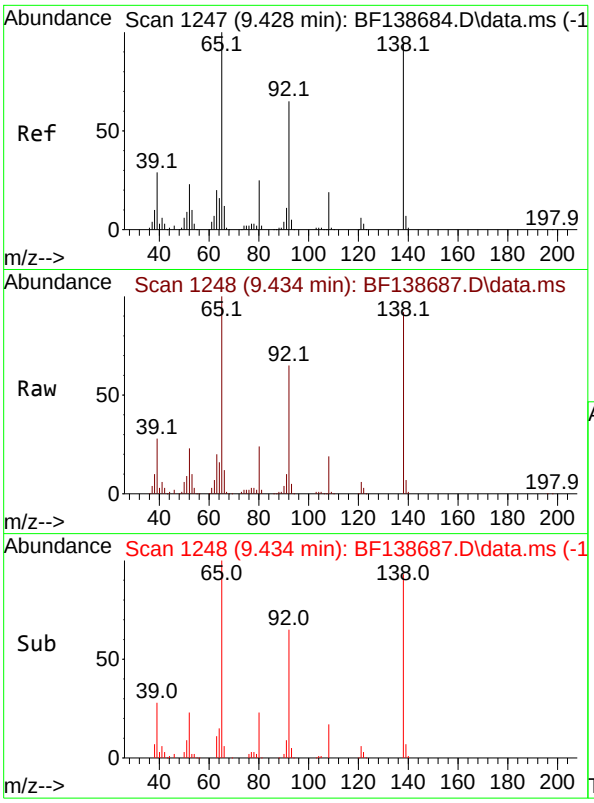


#47
2-Chloronaphthalene
Concen: 74.793 ng
RT: 9.334 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:162 Resp: 742852

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.4	53.2
164	32.4	25.6	38.4



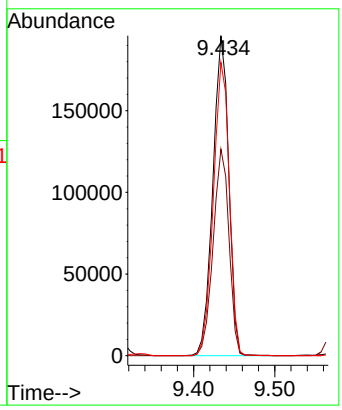


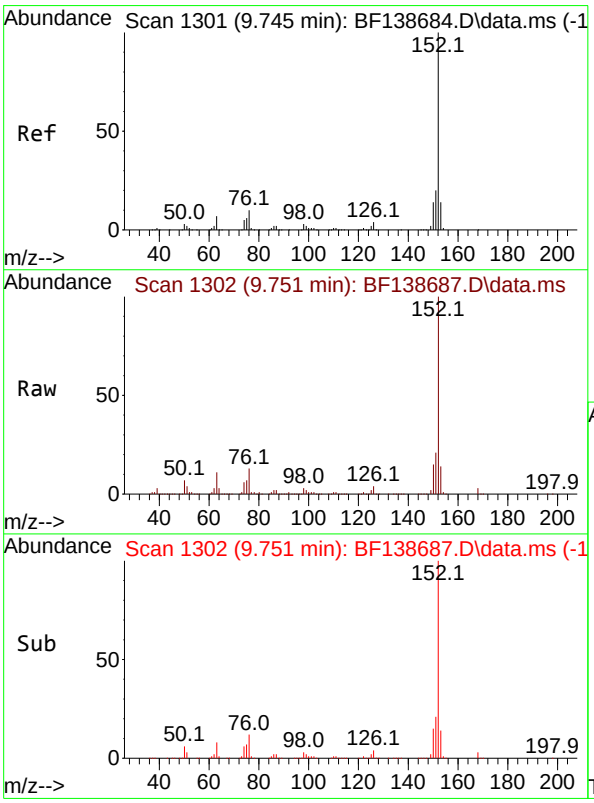
#48
2-Nitroaniline
Concen: 79.066 ng
RT: 9.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 266220

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.0	78.0
138	91.7	76.2	114.4

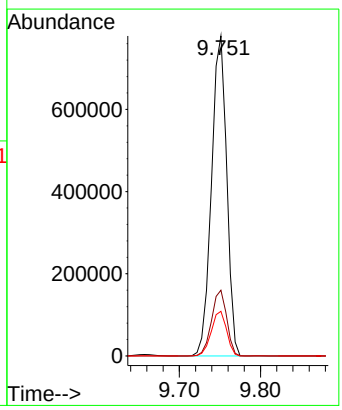


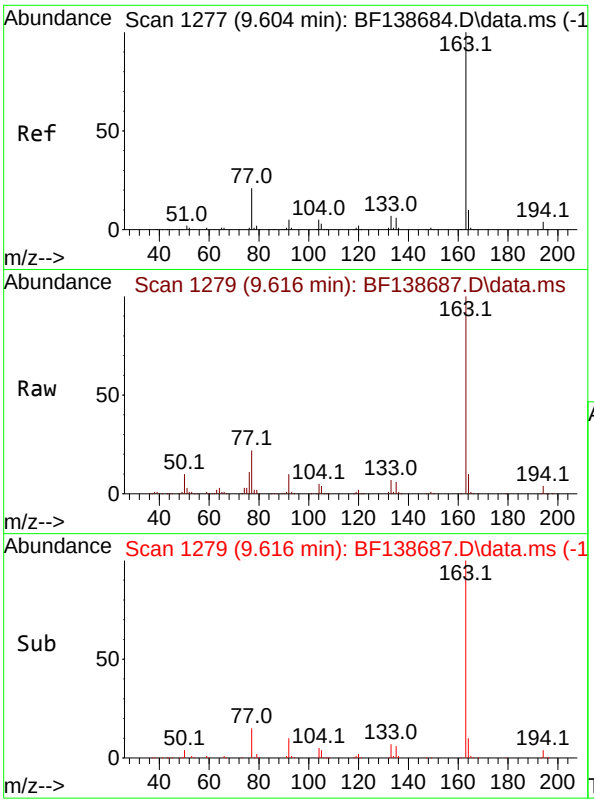


#49
Acenaphthylene
Concen: 71.944 ng
RT: 9.751 min Scan# 1302
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:152 Resp: 1013441

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	14.0	11.0	16.4



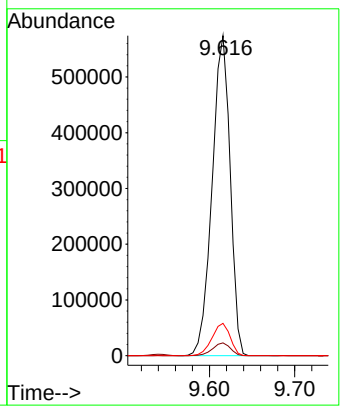


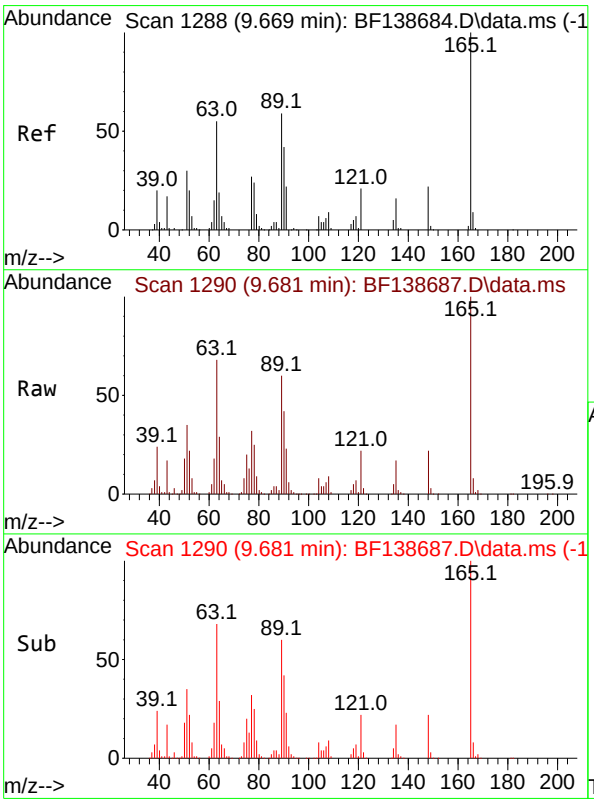
#50
Dimethylphthalate
Concen: 77.379 ng
RT: 9.616 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 843645

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.1	7.8	11.8

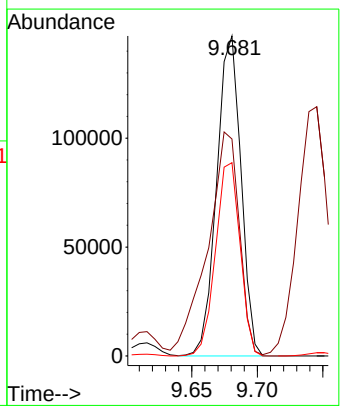


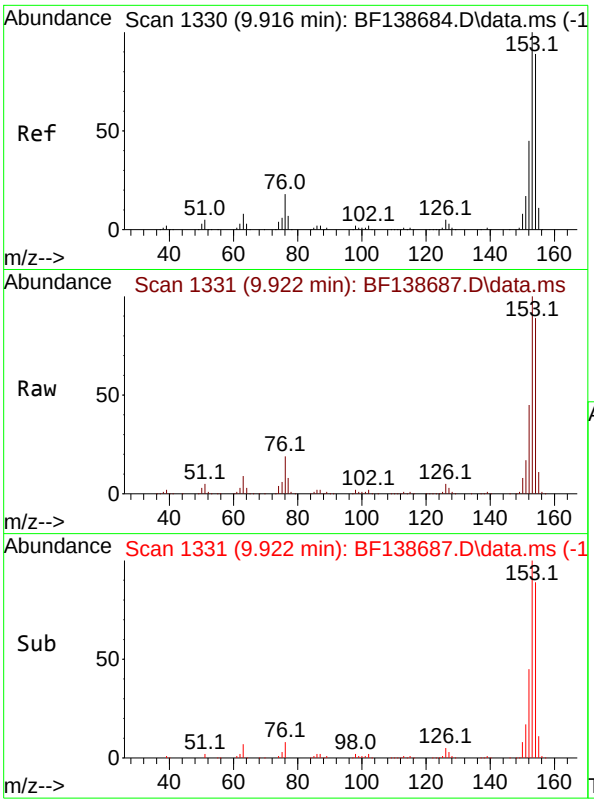


#51
2,6-Dinitrotoluene
Concen: 76.868 ng
RT: 9.681 min Scan# 1290
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:165 Resp: 189138

Ion	Ratio	Lower	Upper
165	100		
63	67.8	52.0	78.0
89	60.4	47.0	70.6



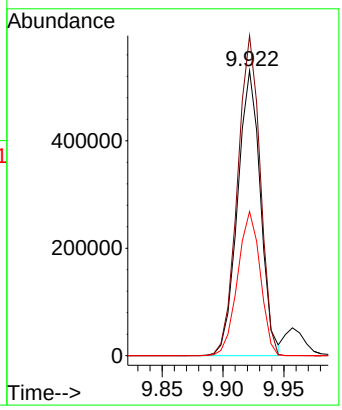


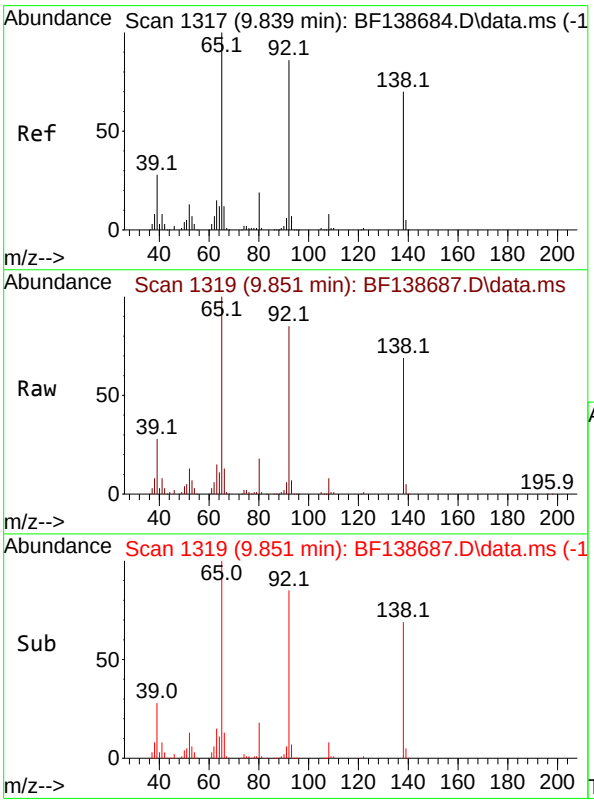
#52
Acenaphthene
Concen: 73.198 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 693130

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.9	134.9
152	50.6	40.6	60.8

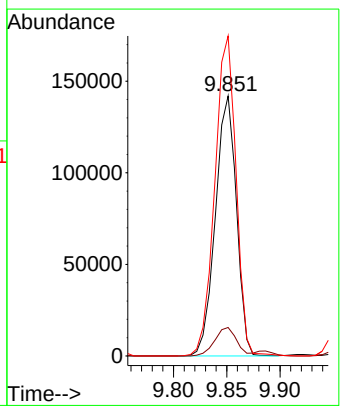


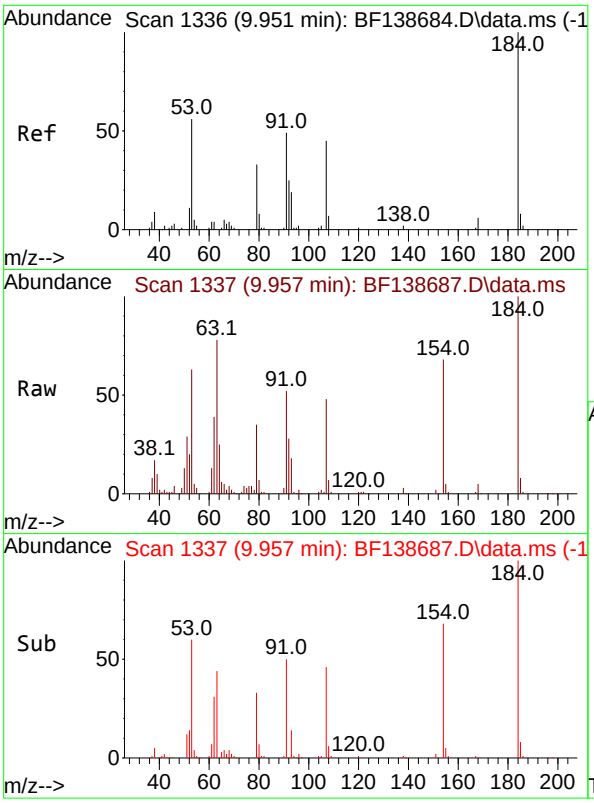


#53
3-Nitroaniline
Concen: 76.581 ng
RT: 9.851 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:138 Resp: 194796

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.1	13.7
92	123.1	98.7	148.1



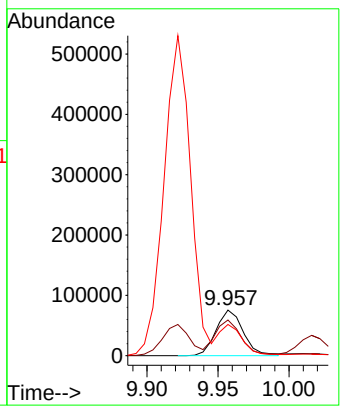


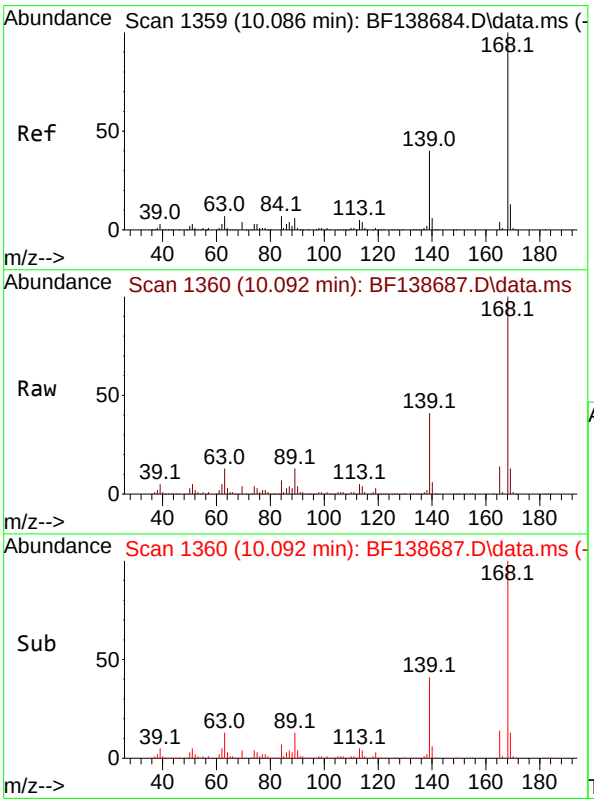
#54
2,4-Dinitrophenol
Concen: 88.986 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 100793

Ion	Ratio	Lower	Upper
184	100		
63	78.3	57.5	86.3
154	68.5	51.7	77.5

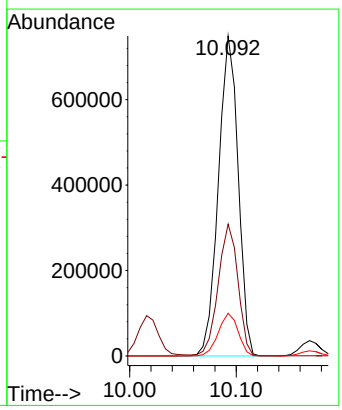


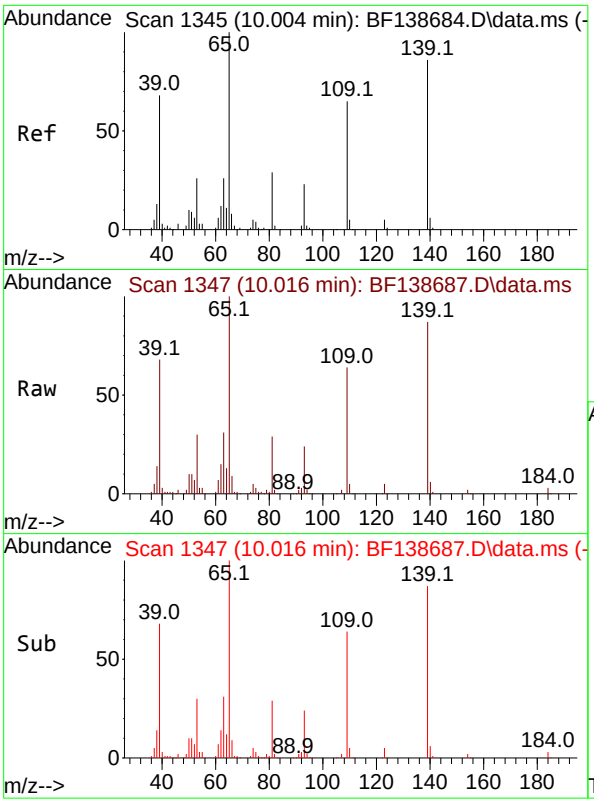


#55
Dibenzofuran
Concen: 72.071 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:168 Resp: 963359

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.6	49.0
169	13.4	10.7	16.1



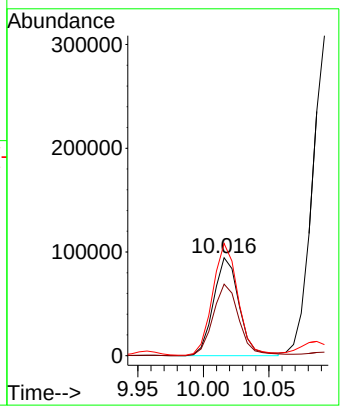


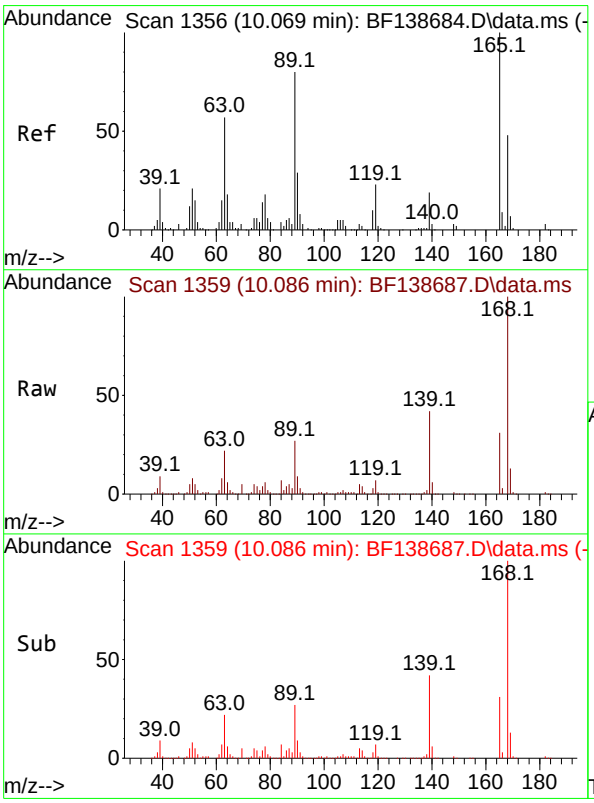
#56
4-Nitrophenol
Concen: 83.411 ng
RT: 10.016 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 127589

Ion	Ratio	Lower	Upper
139	100		
109	73.1	55.5	95.5
65	114.7	96.7	136.7

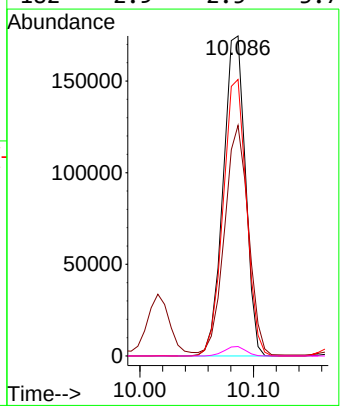


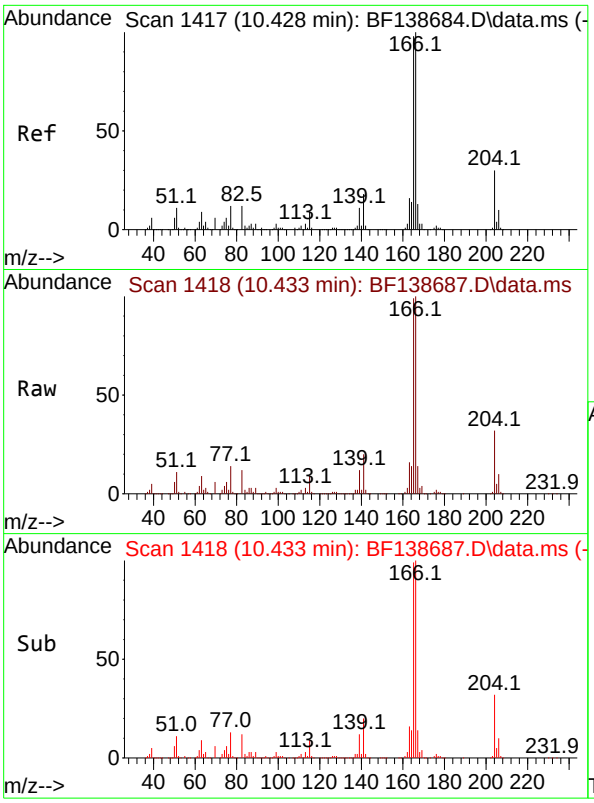


#57
2,4-Dinitrotoluene
Concen: 75.642 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:165 Resp: 237463

Ion	Ratio	Lower	Upper
165	100		
63	72.1	46.3	69.5#
89	86.4	64.2	96.4
182	2.9	2.5	3.7



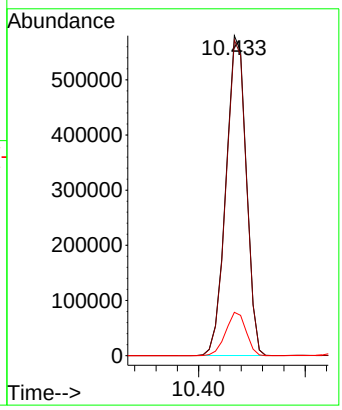


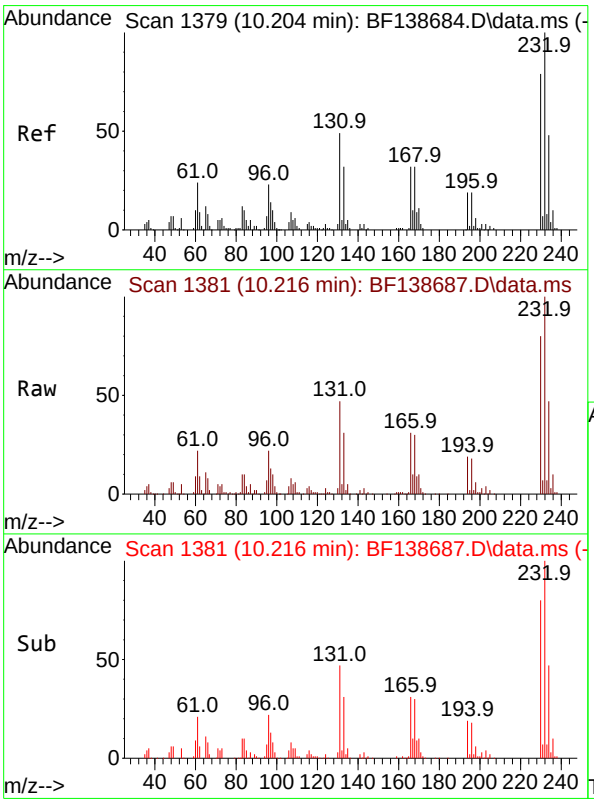
#58
Fluorene
Concen: 72.188 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 768404

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.4	117.6
167	13.6	10.6	16.0

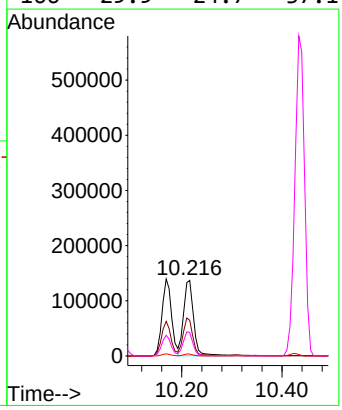


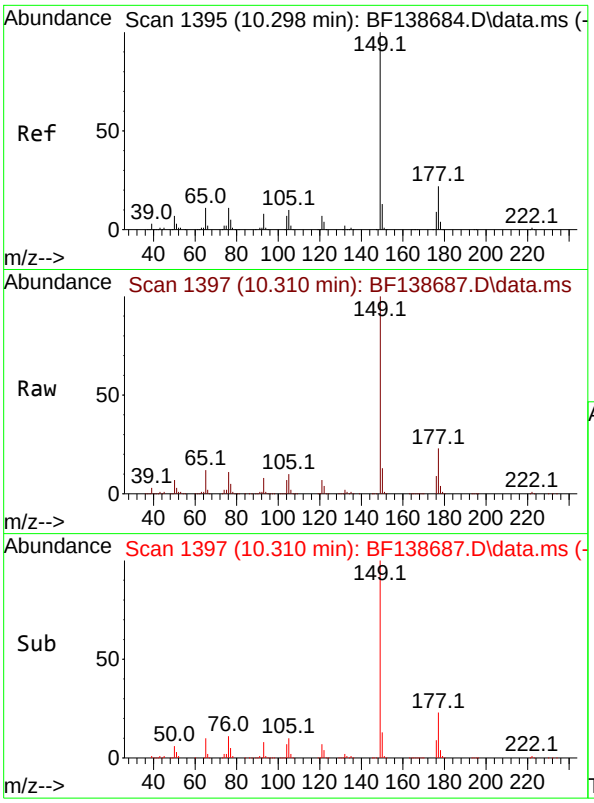


#59
2,3,4,6-Tetrachlorophenol
Concen: 79.721 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:232 Resp: 192425

Ion	Ratio	Lower	Upper
232	100		
131	48.4	37.0	55.4
130	2.5	2.0	3.0
166	29.9	24.7	37.1



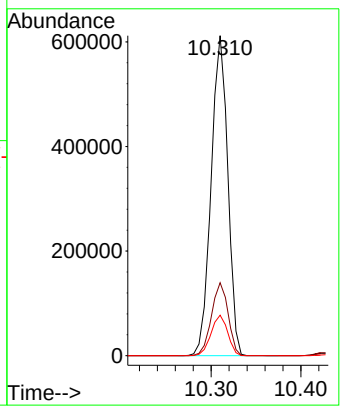


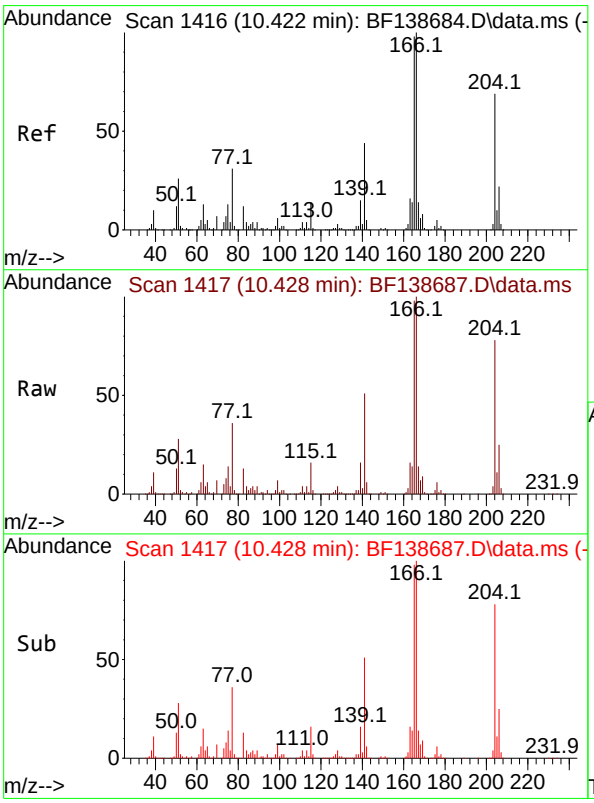
#60
Diethylphthalate
Concen: 76.270 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 788464

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.7	10.1	15.1

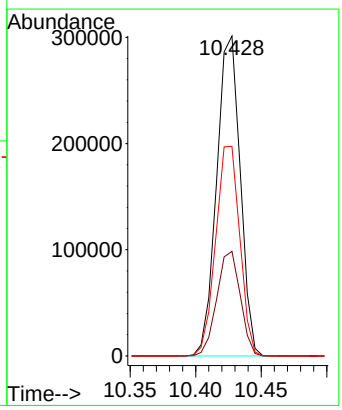


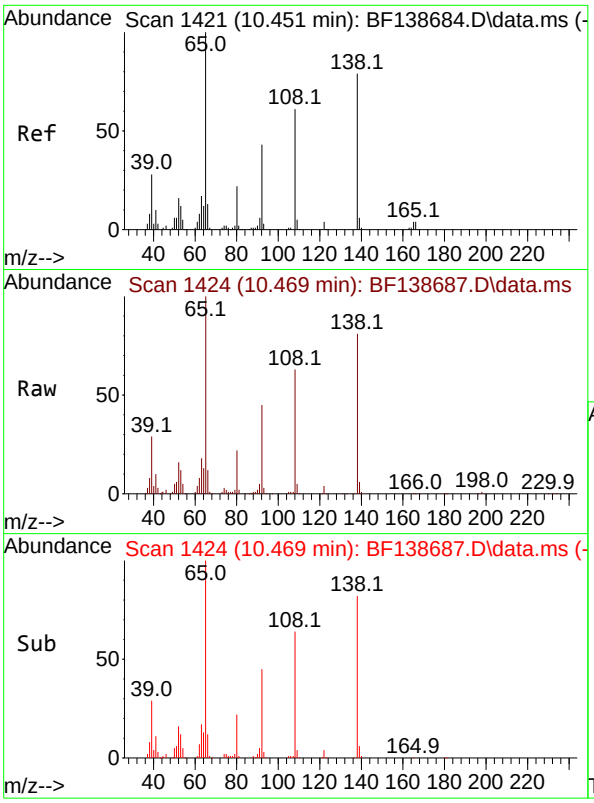


#61
4-Chlorophenyl-phenylether
Concen: 71.847 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:204 Resp: 376130

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.1	39.1
141	65.5	51.4	77.0



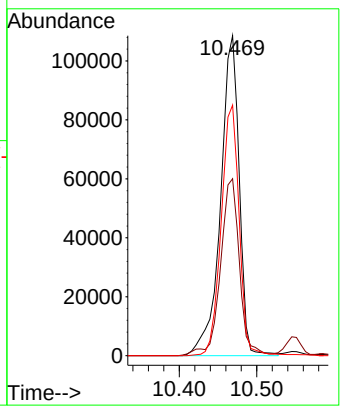


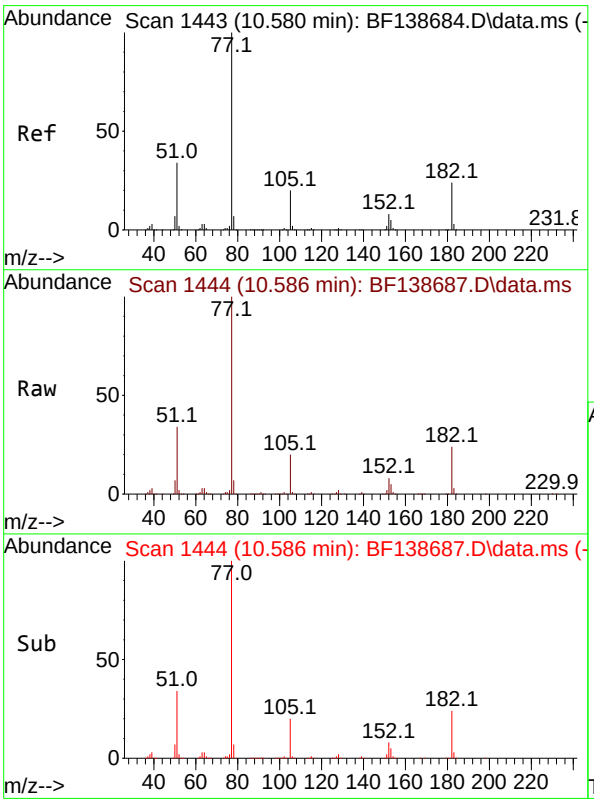
#62
4-Nitroaniline
Concen: 75.227 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 181845

Ion	Ratio	Lower	Upper
138	100		
92	55.3	34.2	74.2
108	78.3	56.2	96.2

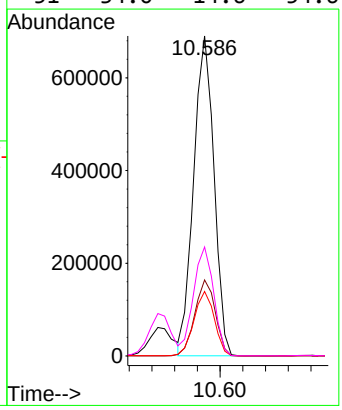


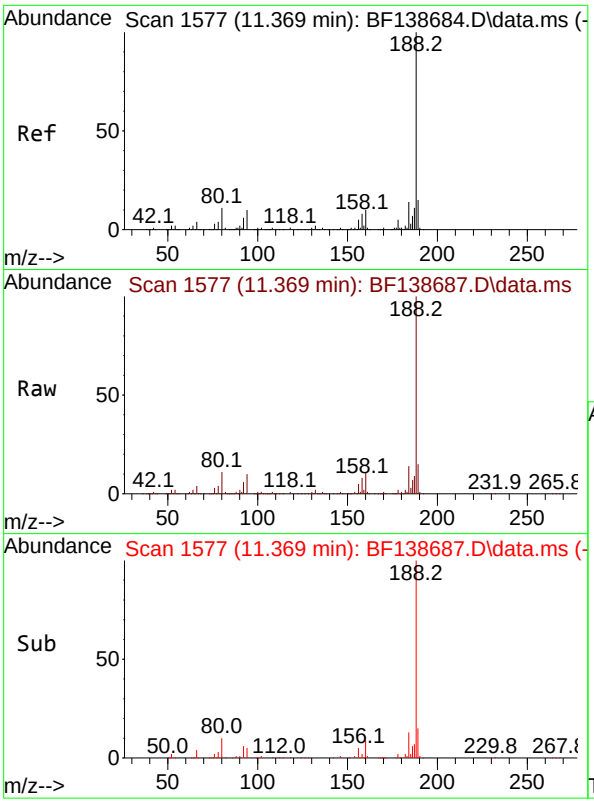


#63
Azobenzene
Concen: 74.806 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 77 Resp: 857699

Ion	Ratio	Lower	Upper
77	100		
182	23.8	3.4	43.4
105	20.1	0.2	40.2
51	34.0	14.6	54.6



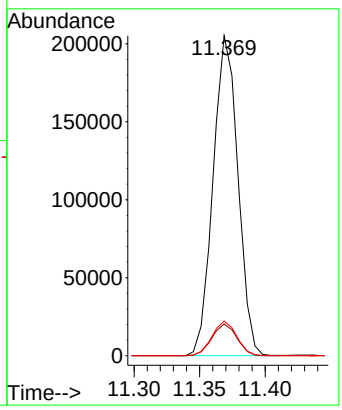


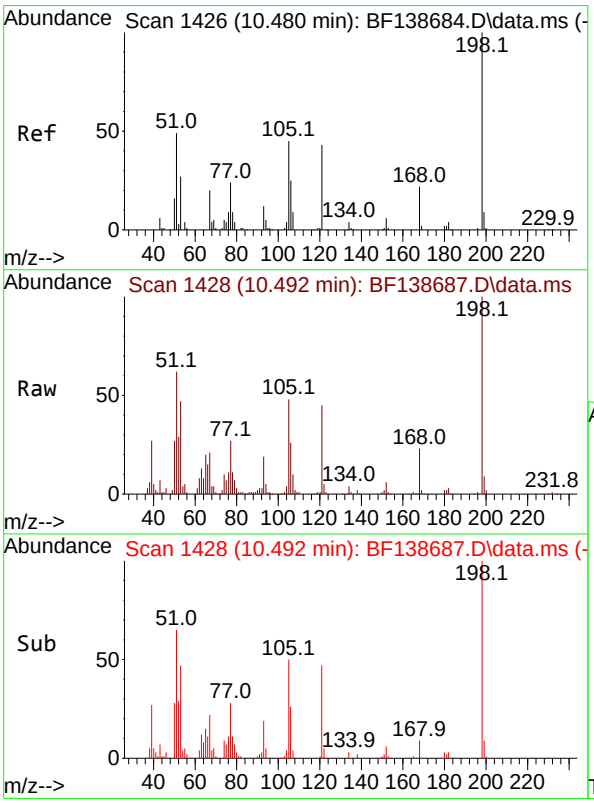
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 270140

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.6	11.4
80	10.8	8.6	12.8

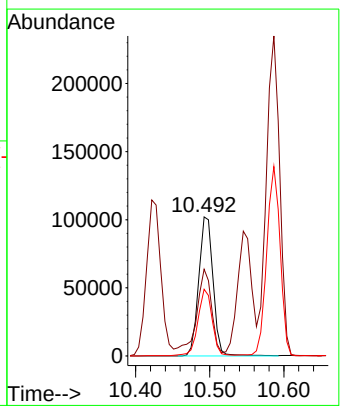


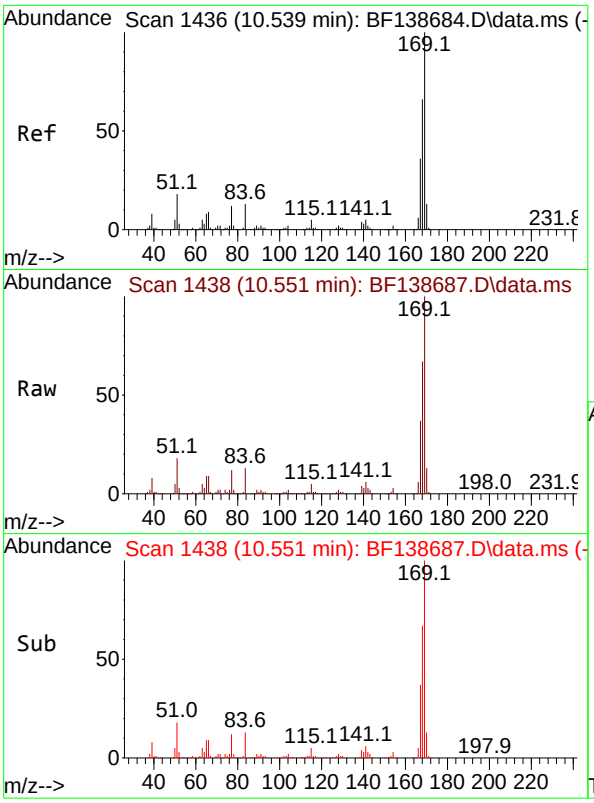


#65
4,6-Dinitro-2-methylphenol
Concen: 83.368 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:198 Resp: 137397

Ion	Ratio	Lower	Upper
198	100		
51	62.4	39.9	79.9
105	48.0	26.1	66.1



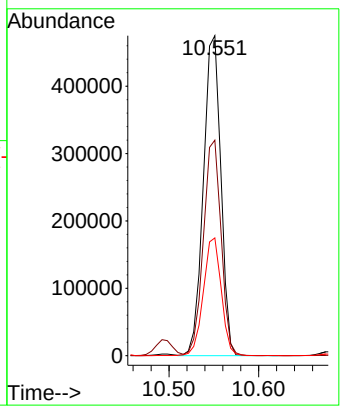


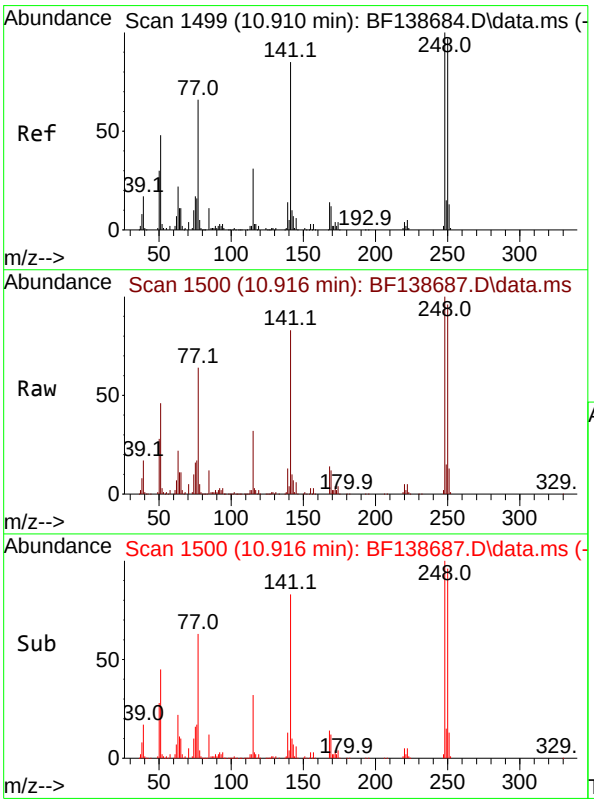
#66
n-Nitrosodiphenylamine
Concen: 76.022 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 641930

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.8	29.0	43.6

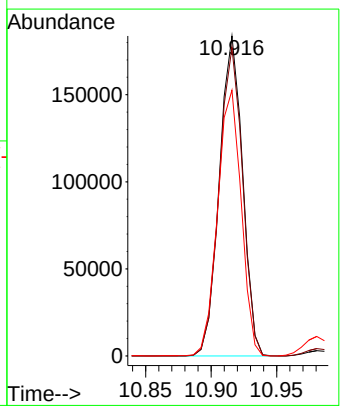


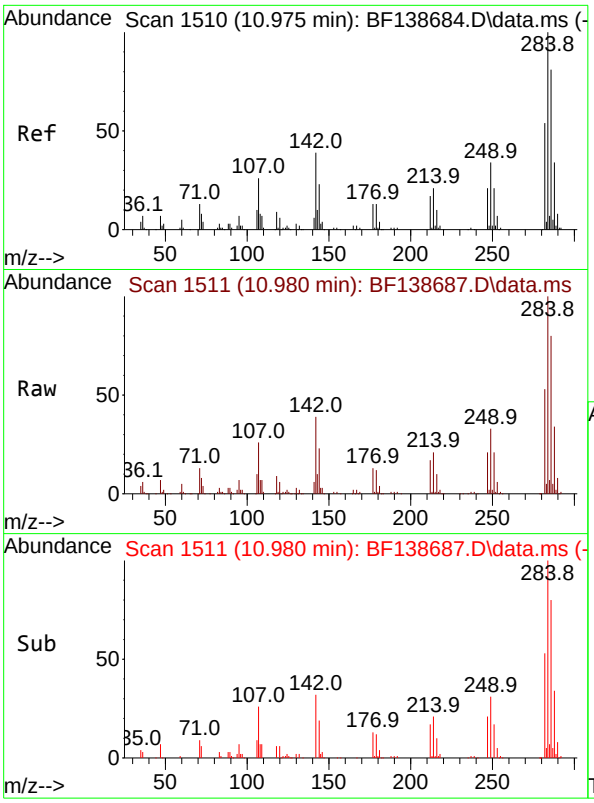


#67
4-Bromophenyl-phenylether
Concen: 77.318 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:248 Resp: 226137

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.7	116.5
141	83.0	68.0	102.0



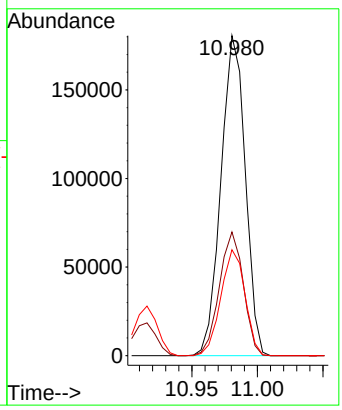


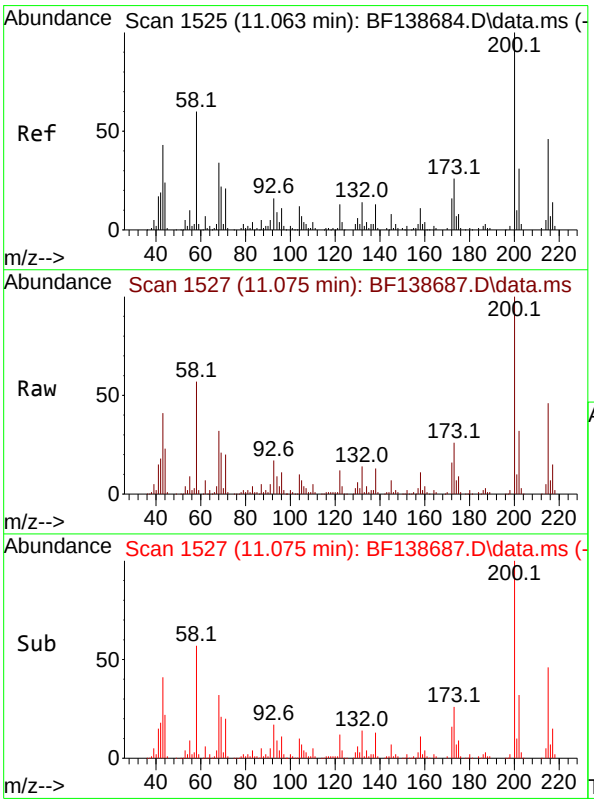
#68
Hexachlorobenzene
Concen: 77.158 ng
RT: 10.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 233005

Ion	Ratio	Lower	Upper
284	100		
142	38.7	31.3	46.9
249	33.1	27.2	40.8

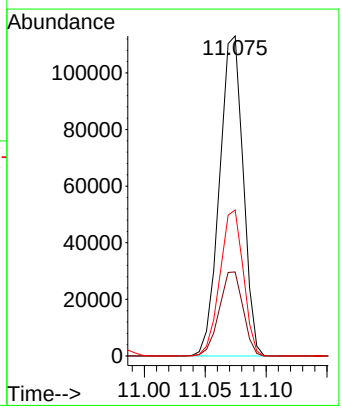


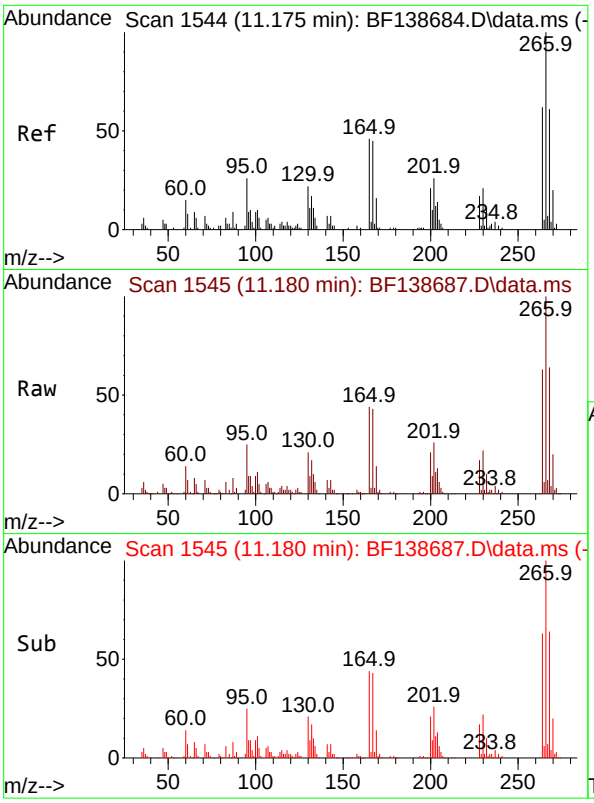


#69
Atrazine
Concen: 70.122 ng
RT: 11.075 min Scan# 1527
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:200 Resp: 152765

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.0	46.0
215	45.6	26.1	66.1



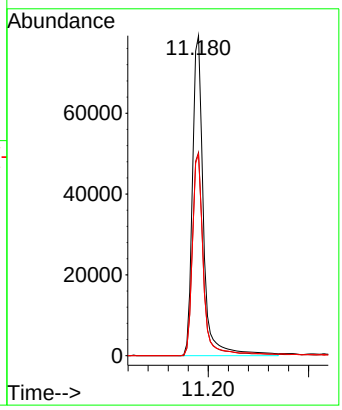


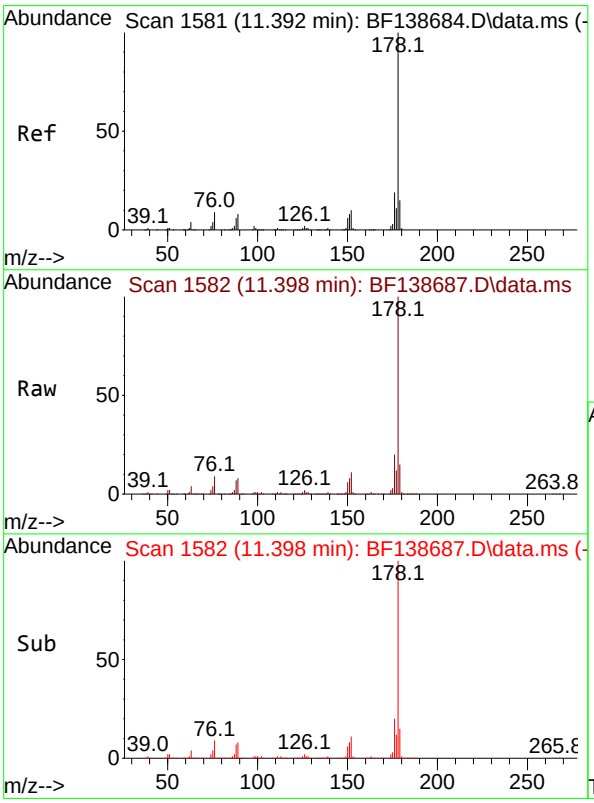
#70
Pentachlorophenol
Concen: 88.455 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 120403

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.2	73.8
264	63.0	49.8	74.6

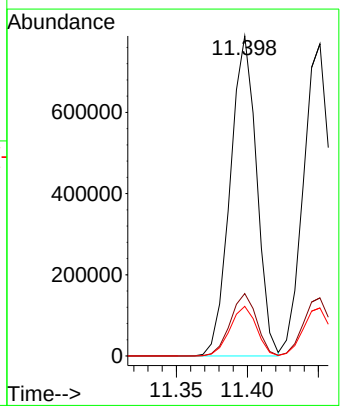


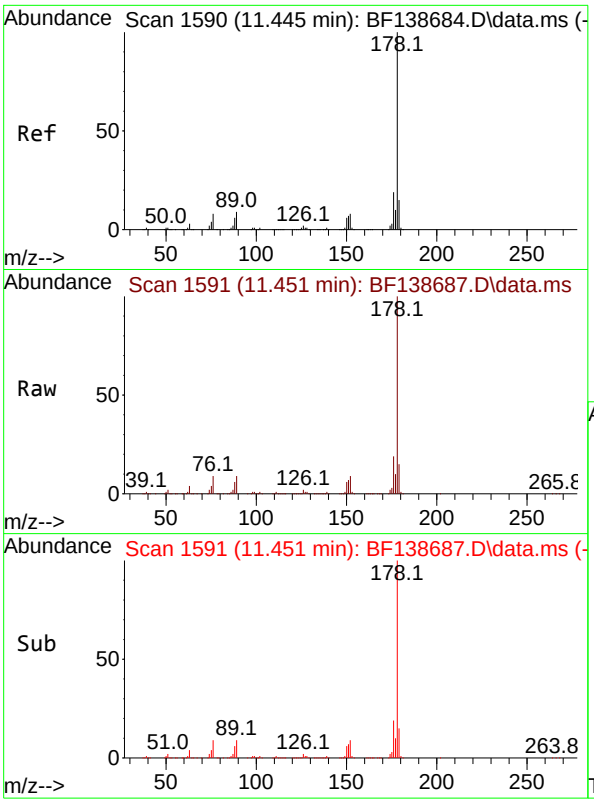


#71
Phenanthrene
Concen: 73.341 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:178 Resp: 1020185

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.5	12.2	18.2



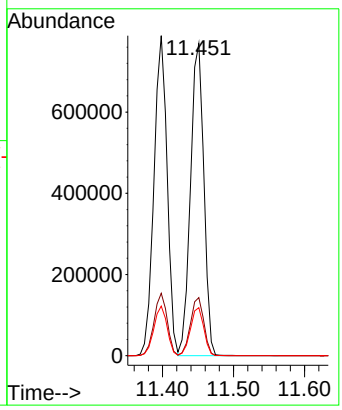


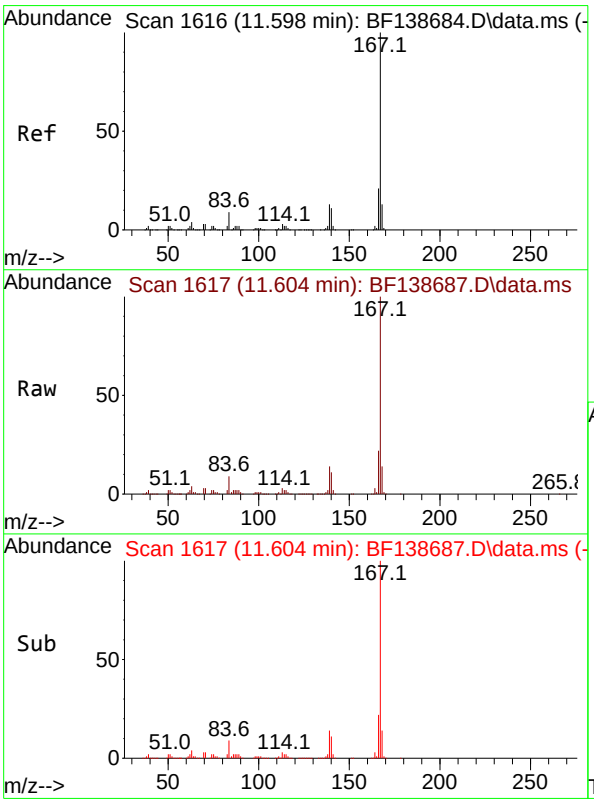
#72
Anthracene
Concen: 73.356 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1005219

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.4	18.6

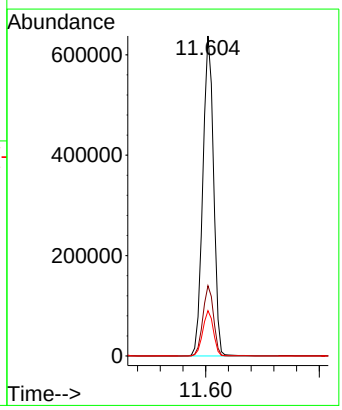


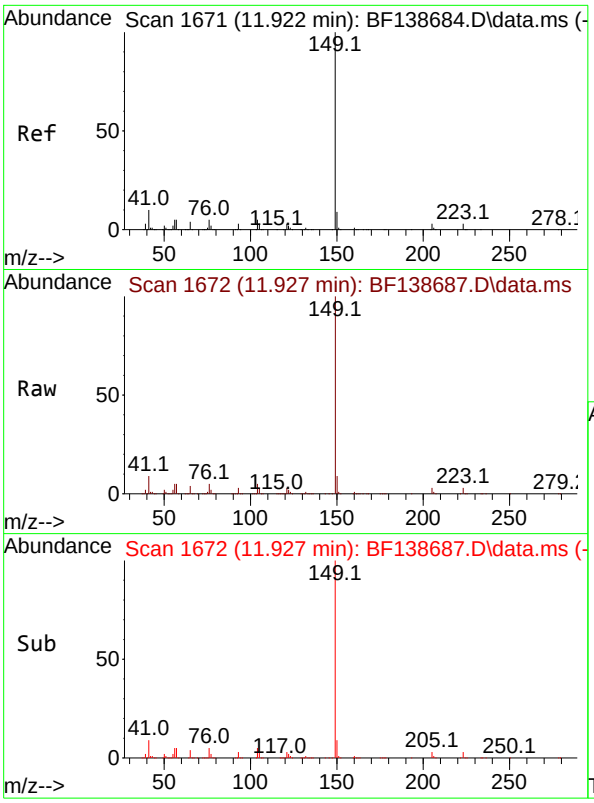


#73
Carbazole
Concen: 70.750 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:167 Resp: 836447

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	14.1	10.6	16.0



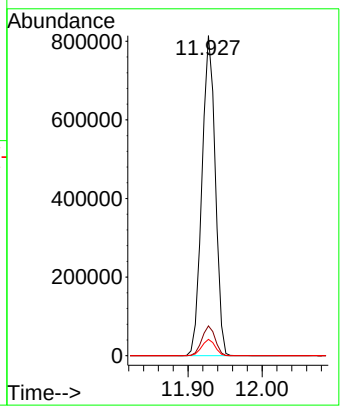


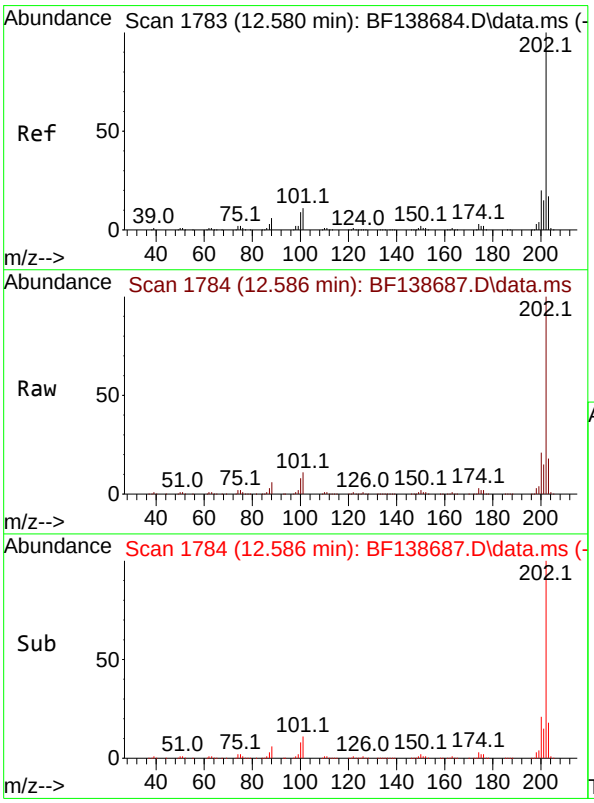
#74
Di-n-butylphthalate
Concen: 76.505 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1016790

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.1	4.1	6.1

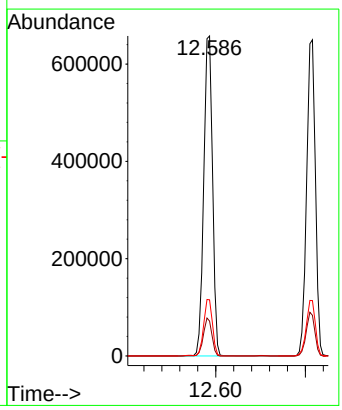


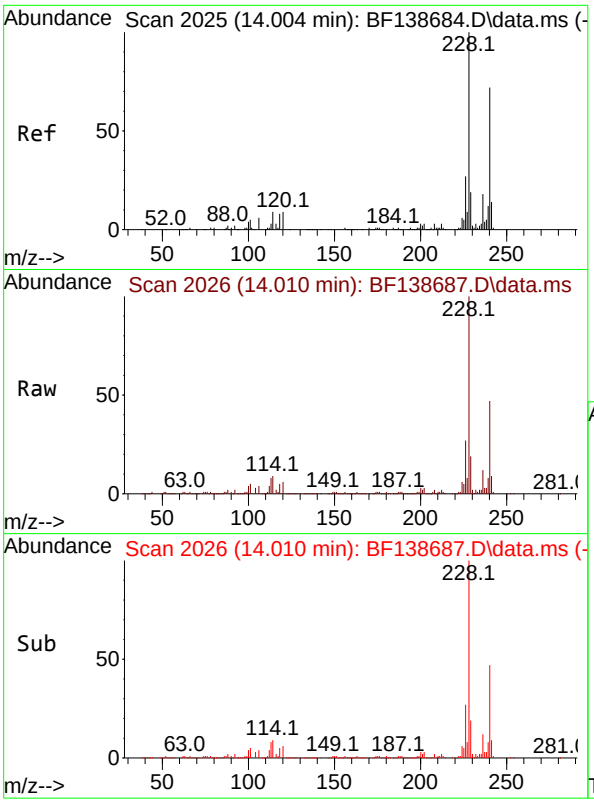


#75
Fluoranthene
Concen: 68.843 ng
RT: 12.586 min Scan# 1784
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:202 Resp: 893988

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.2
203	17.6	0.0	37.3



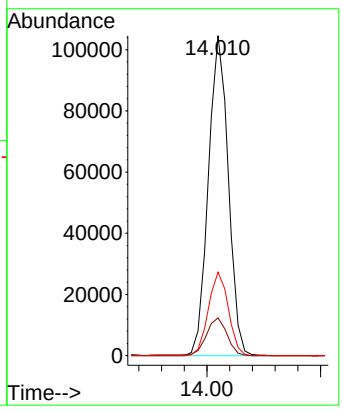


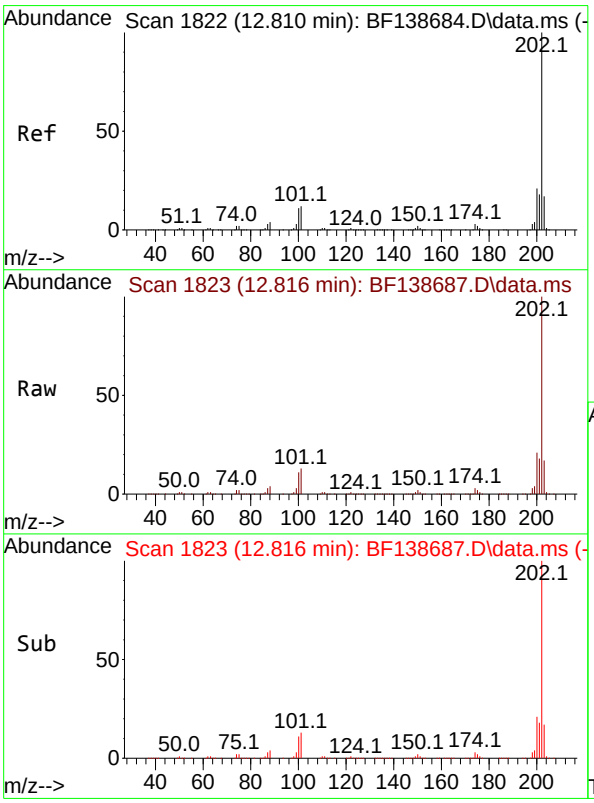
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 127279

Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.2	15.4
236	26.1	19.8	29.8

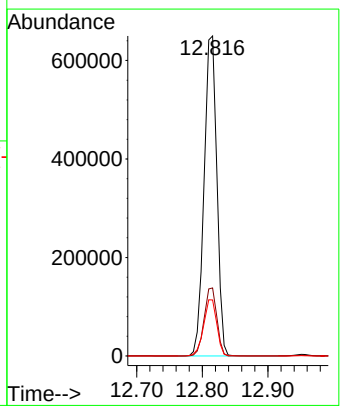


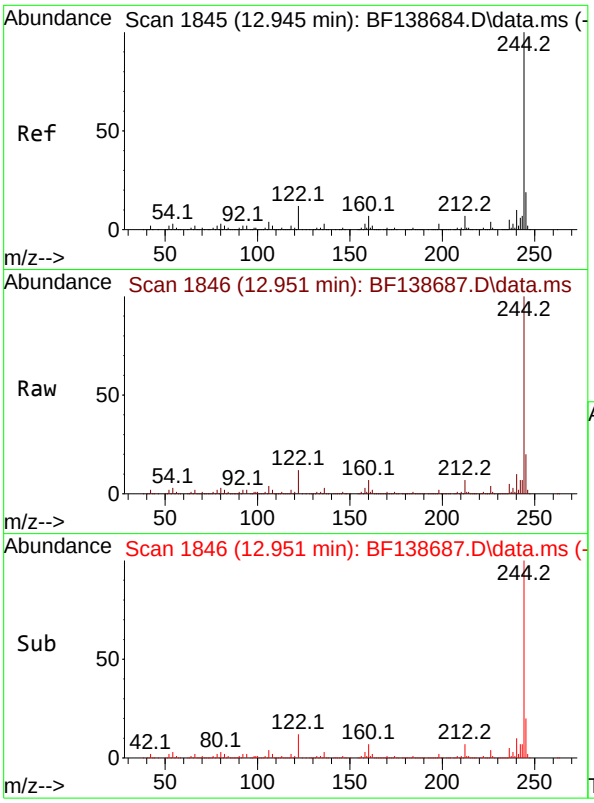


#78
Pyrene
Concen: 73.618 ng
RT: 12.816 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:202 Resp: 882216

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.5	13.8	20.6



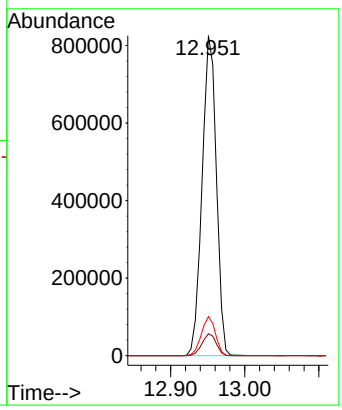


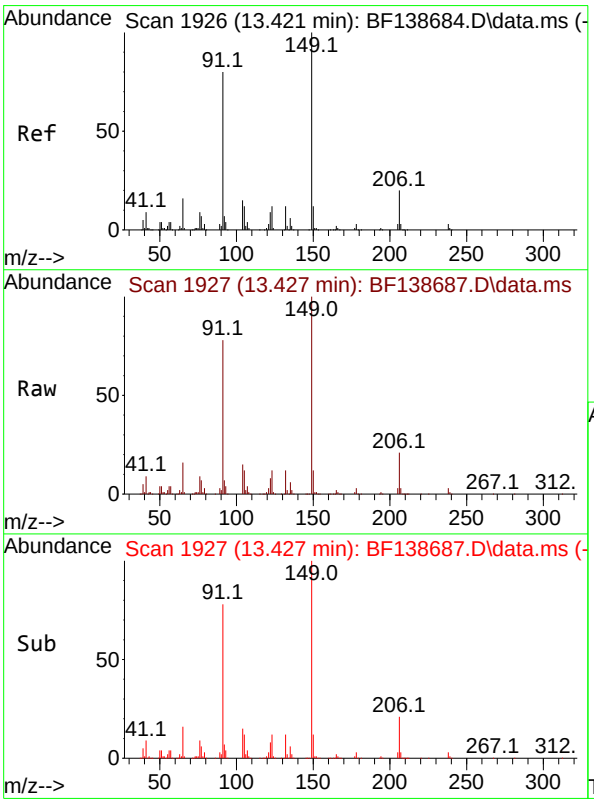
#79
Terphenyl-d14
Concen: 145.087 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1102959

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	12.2	9.6	14.4

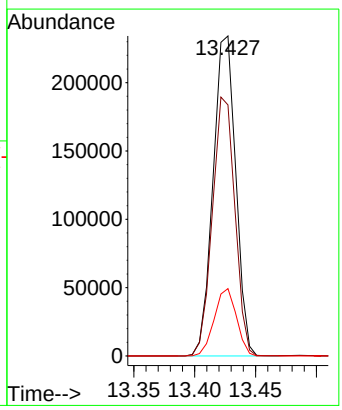


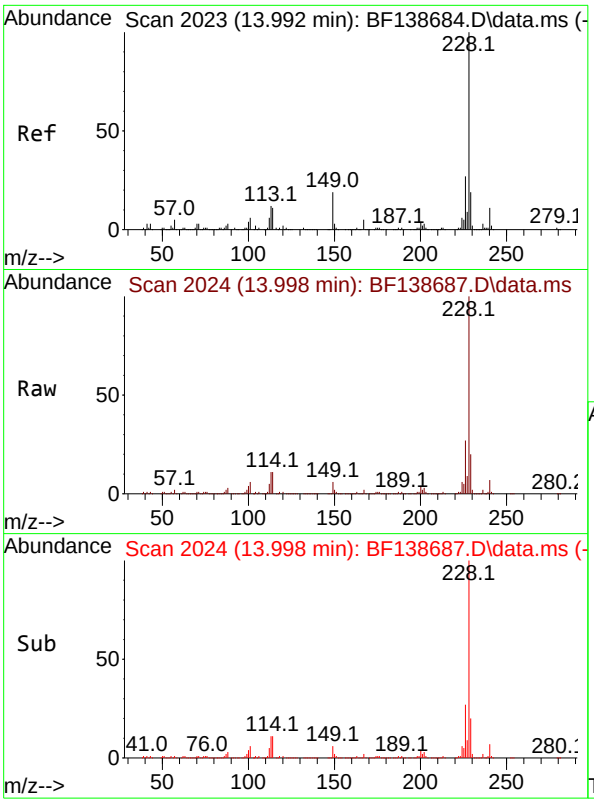


#80
Butylbenzylphthalate
Concen: 79.340 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:149 Resp: 304470

Ion	Ratio	Lower	Upper
149	100		
91	78.4	63.7	95.5
206	21.1	16.2	24.2



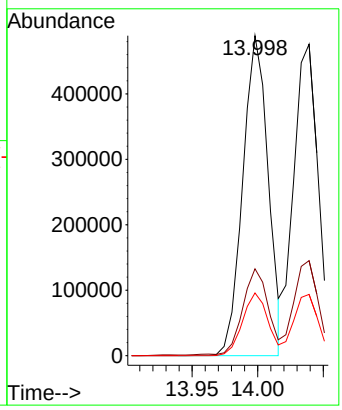


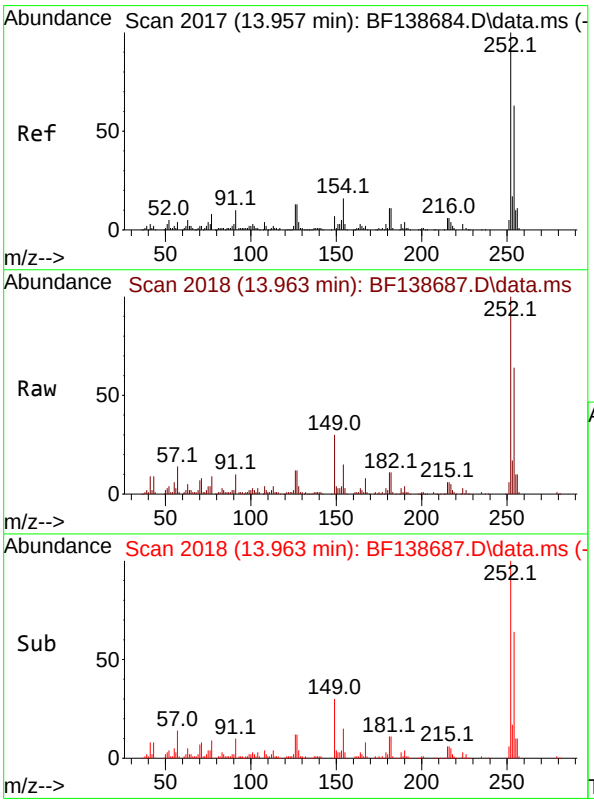
#81
Benzo(a)anthracene
Concen: 75.198 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 659091

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.6	15.4	23.0

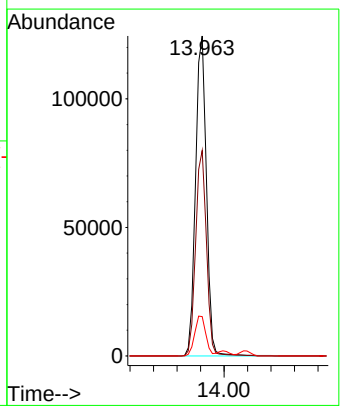


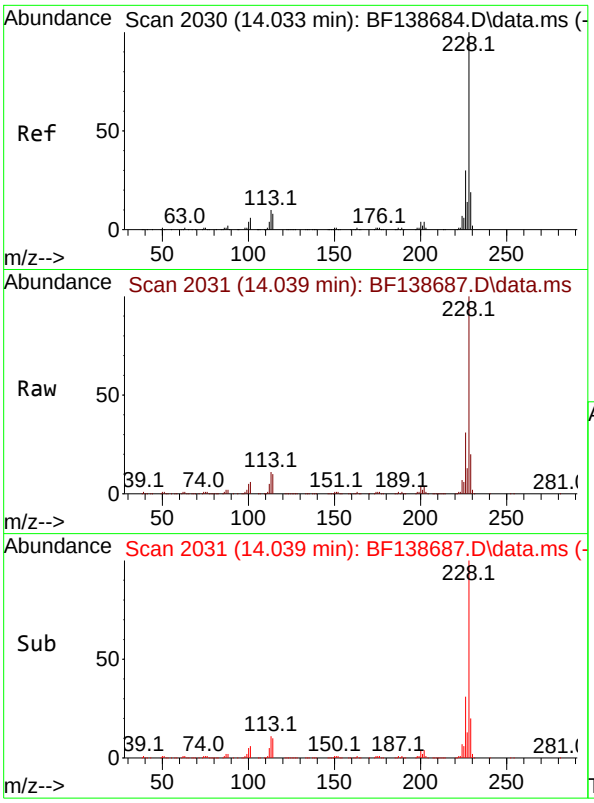


#82
3,3'-Dichlorobenzidine
Concen: 71.192 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 159678

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.8	76.2
126	12.3	10.2	15.2



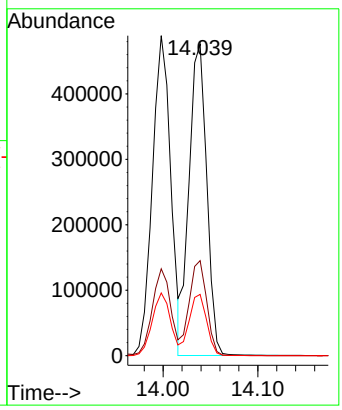


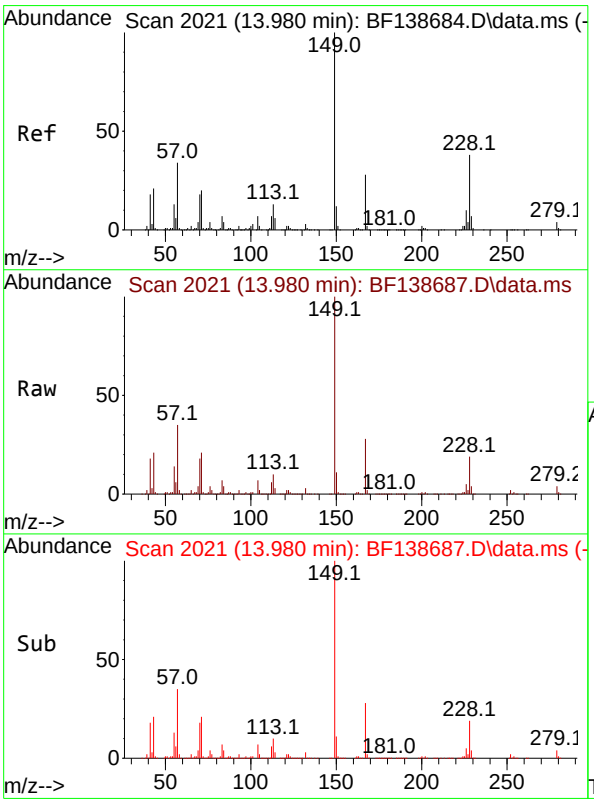
#83
Chrysene
Concen: 78.129 ng
RT: 14.039 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 617804

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	19.7	15.0	22.6

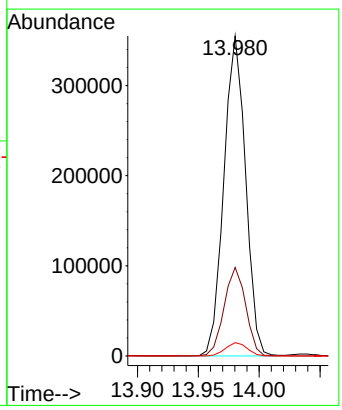


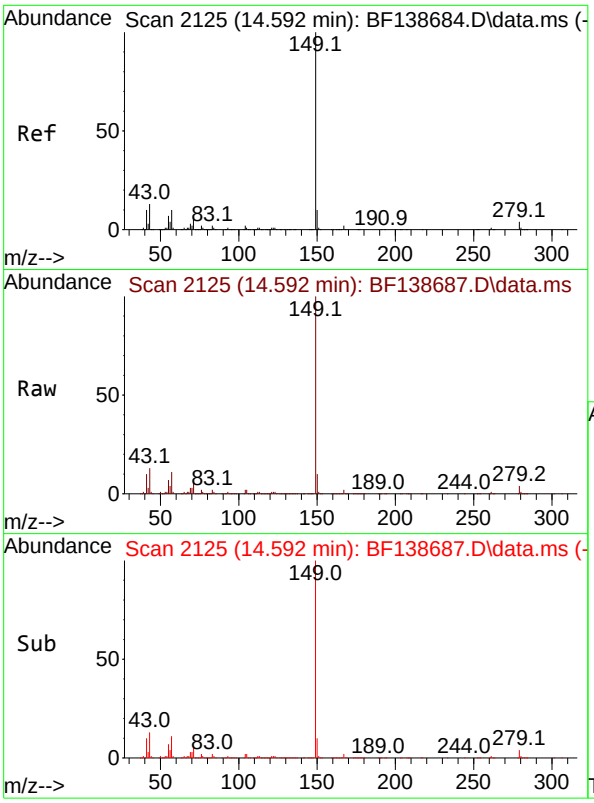


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.423 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:149 Resp: 440693

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.1	3.4	5.0



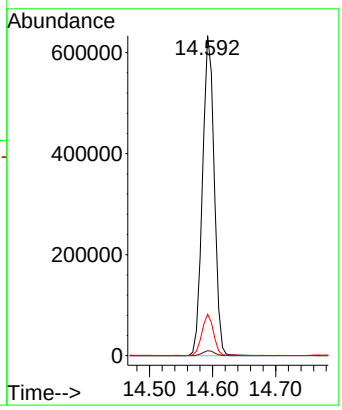


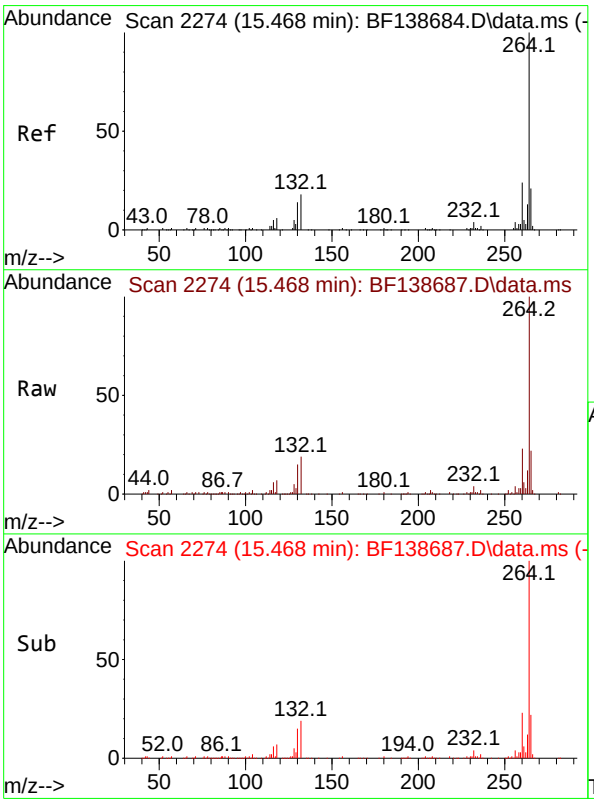
#85
Di-n-octyl phthalate
Concen: 78.597 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 817161

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

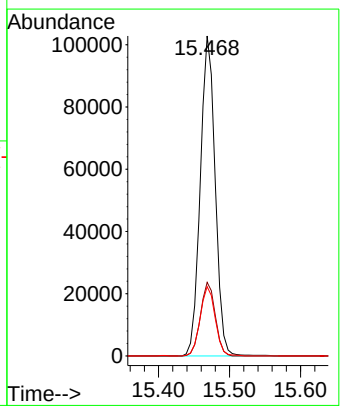


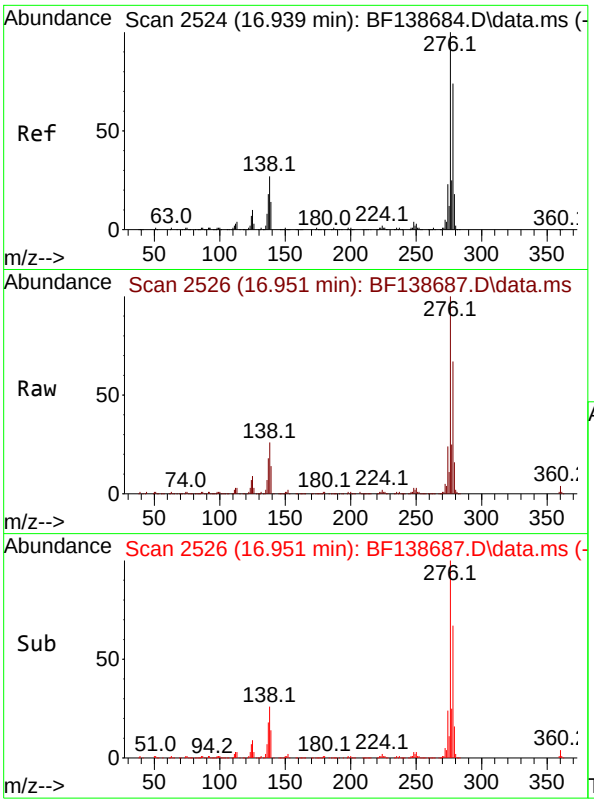


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:264 Resp: 150274

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.7	17.0	25.6



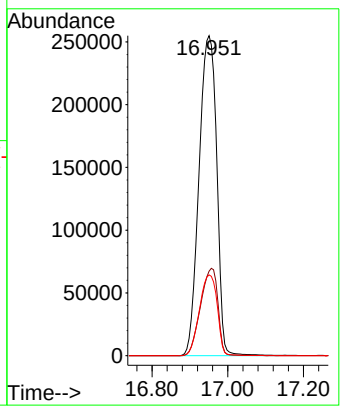


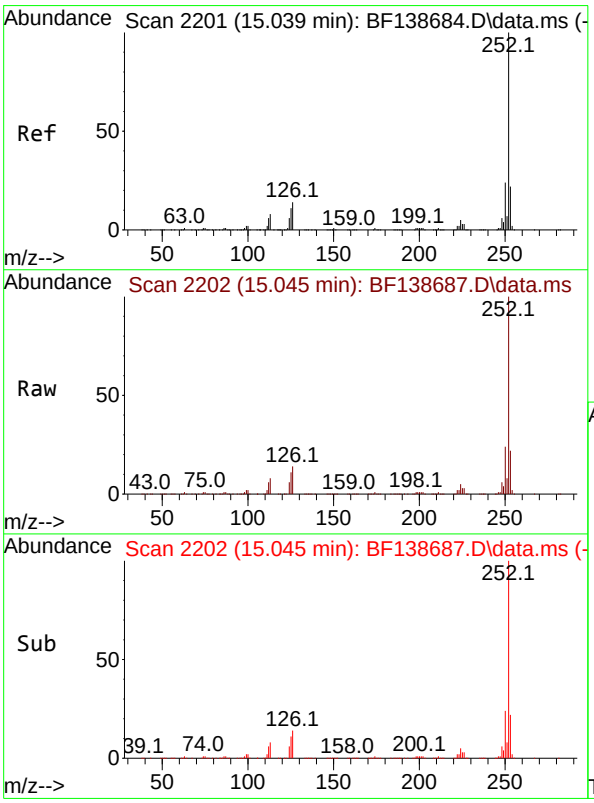
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.833 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 827423

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.8
277	25.3	20.6	30.8

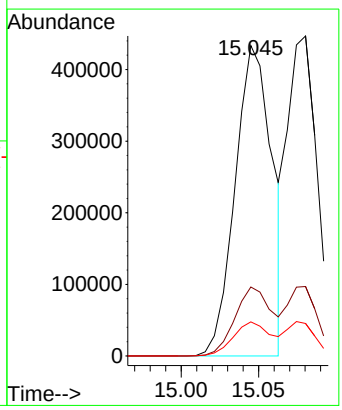


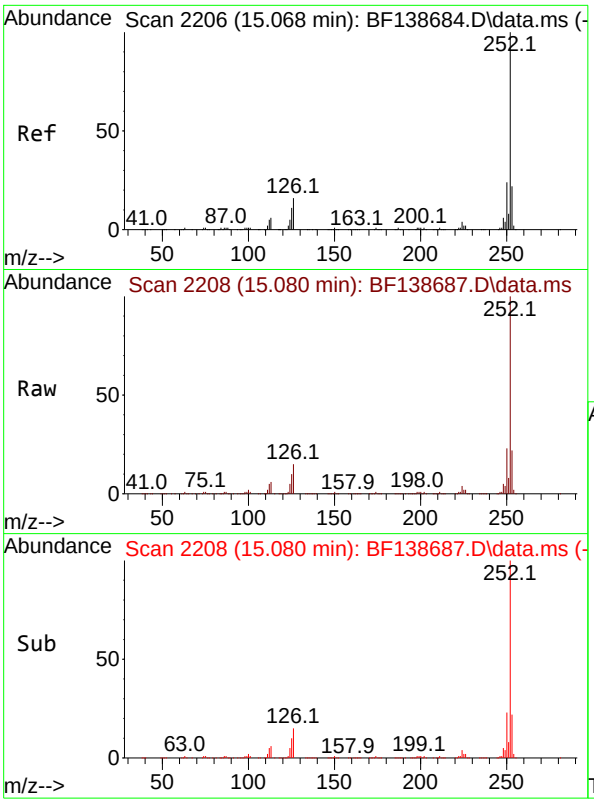


#88
Benzo(b)fluoranthene
Concen: 77.422 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 721224

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.0	8.9	13.3



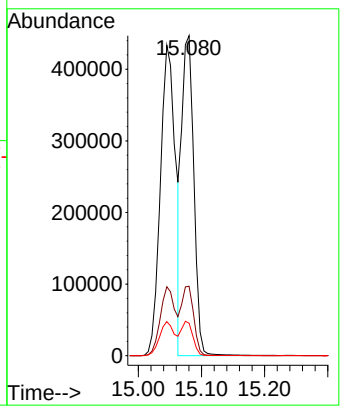


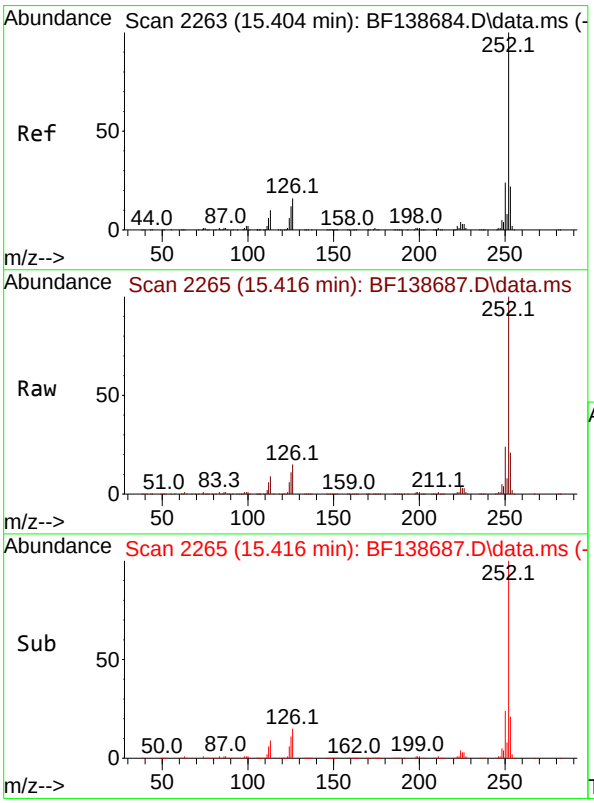
#89
Benzo(k)fluoranthene
Concen: 73.959 ng
RT: 15.080 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 596517

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.1	8.6	13.0

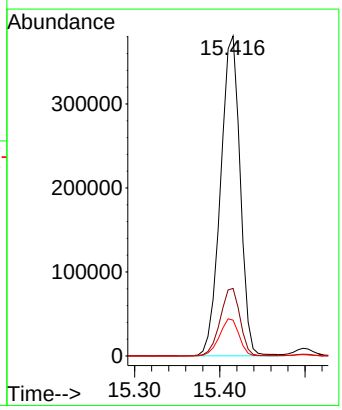


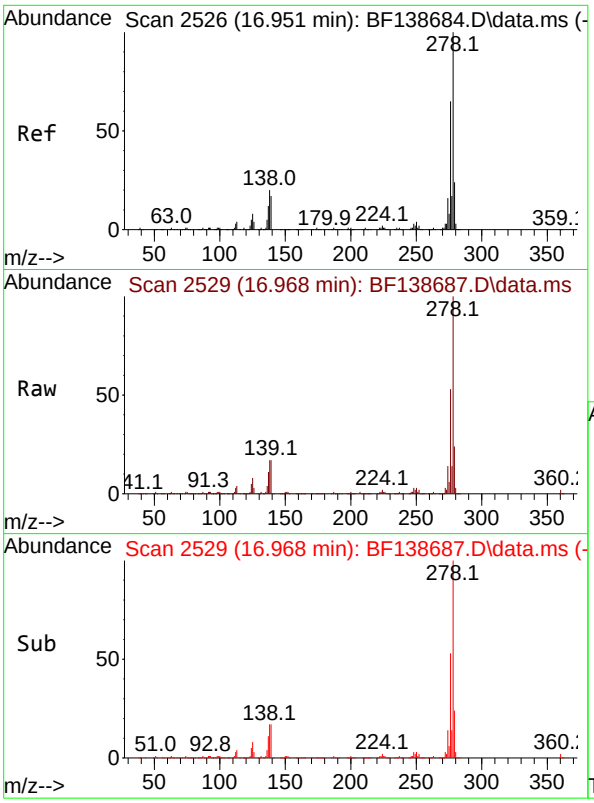


#90
Benzo(a)pyrene
Concen: 77.779 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 609452

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.3	25.9
125	11.2	9.5	14.3



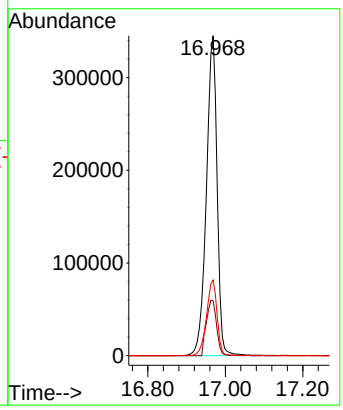


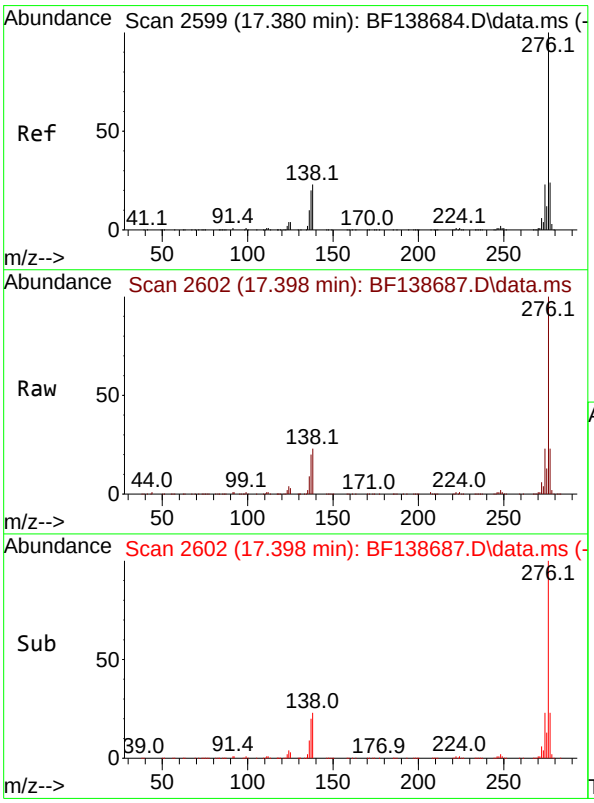
#91
Dibenzo(a,h)anthracene
Concen: 75.184 ng
RT: 16.968 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 664634

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.0	21.0
279	23.7	19.0	28.4

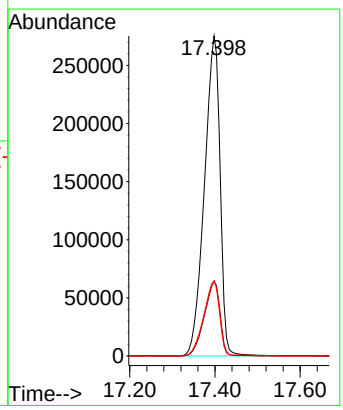




#92
Benzo(g,h,i)perylene
Concen: 76.589 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:276 Resp: 702583

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	23.5	18.5	27.7



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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

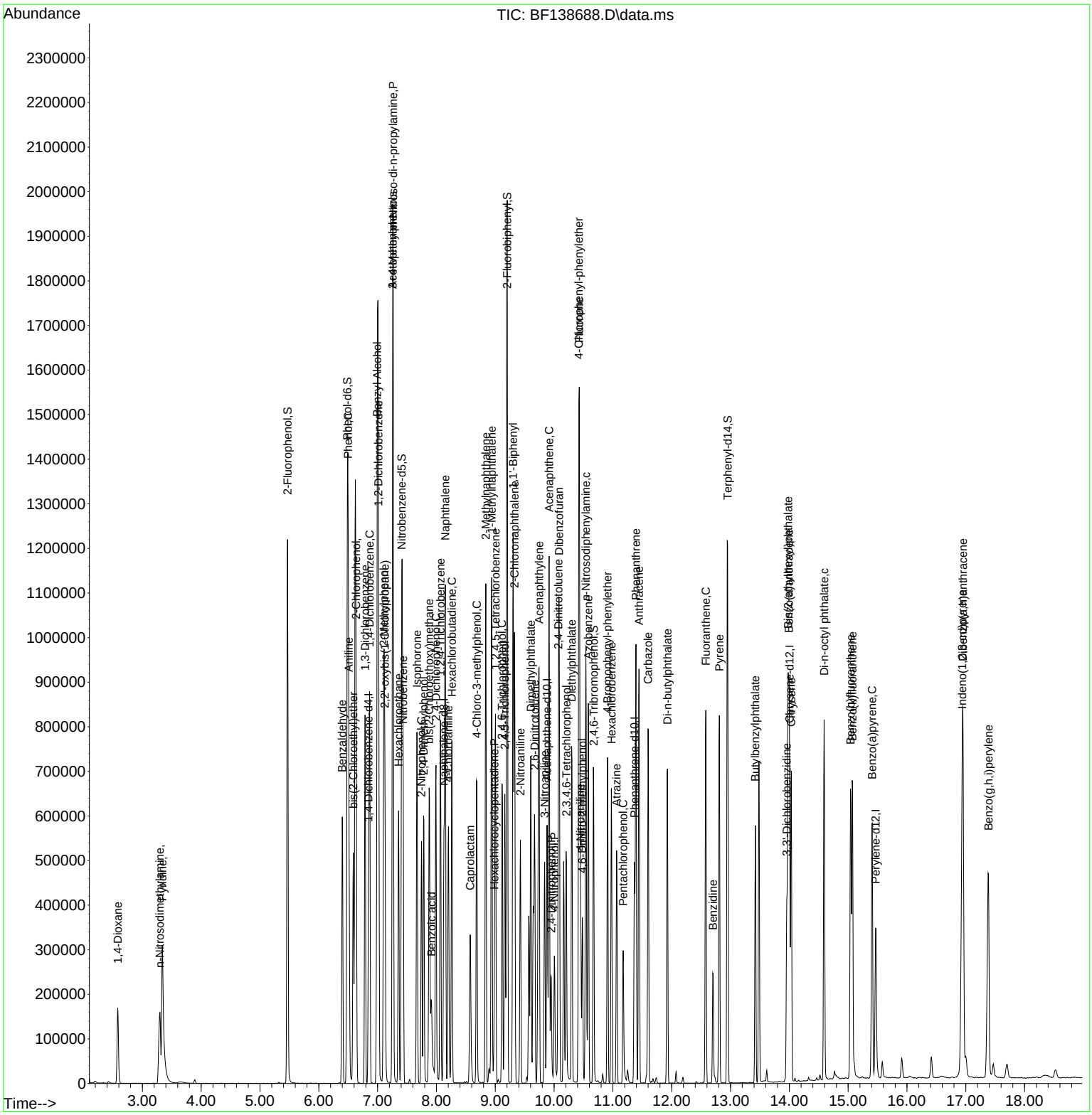
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	124581	41.011	ng	99
46) 1,1'-Biphenyl	9.304	154	515966	40.156	ng	99
47) 2-Chloronaphthalene	9.328	162	381923	39.966	ng	99
48) 2-Nitroaniline	9.428	65	127985	39.505	ng	99
49) Acenaphthylene	9.745	152	535427	39.504	ng	99
50) Dimethylphthalate	9.604	163	403438	38.458	ng	99
51) 2,6-Dinitrotoluene	9.669	165	94451	39.895	ng	98
52) Acenaphthene	9.916	154	359484	39.456	ng	100
53) 3-Nitroaniline	9.839	138	93752	38.306	ng	99
54) 2,4-Dinitrophenol	9.951	184	42619	39.106	ng	97
55) Dibenzofuran	10.086	168	501545	38.997	ng	100
56) 4-Nitrophenol	10.004	139	57893	39.336	ng	98
57) 2,4-Dinitrotoluene	10.075	165	116813	38.673	ng	97
58) Fluorene	10.428	166	395954	38.661	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	89831	38.680	ng	97
60) Diethylphthalate	10.298	149	382418	38.447	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	196905	39.091	ng	99
62) 4-Nitroaniline	10.451	138	89602	38.525	ng	99
63) Azobenzene	10.580	77	426075	38.622	ng	99
65) 4,6-Dinitro-2-methylph...	10.480	198	63542	41.323	ng	97
66) n-Nitrosodiphenylamine	10.539	169	319562	40.561	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	110219	40.390	ng	99
68) Hexachlorobenzene	10.975	284	113117	40.147	ng	99
69) Atrazine	11.063	200	80604	39.654	ng	98
70) Pentachlorophenol	11.175	266	51801	40.788	ng	96
71) Phenanthrene	11.392	178	506626	39.036	ng	100
72) Anthracene	11.445	178	496297	38.817	ng	99
73) Carbazole	11.598	167	425187	38.546	ng	100
74) Di-n-butylphthalate	11.927	149	496140	40.010	ng	100
75) Fluoranthene	12.580	202	463445	38.250	ng	100
77) Benzidine	12.704	184	132396	41.166	ng	98
78) Pyrene	12.810	202	467254	36.907	ng	100
80) Butylbenzylphthalate	13.421	149	171996	42.425	ng	99
81) Benzo(a)anthracene	13.992	228	379585	40.994	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	104638	44.160	ng	100
83) Chrysene	14.033	228	328373	39.308	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	266678	44.921	ng	99
85) Di-n-octyl phthalate	14.592	149	485296	44.183	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	483878	39.463	ng	99
88) Benzo(b)fluoranthene	15.039	252	404868	38.172	ng	99
89) Benzo(k)fluoranthene	15.074	252	352910	38.430	ng	99
90) Benzo(a)pyrene	15.410	252	356148	39.920	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	393430	39.089	ng	99
92) Benzo(g,h,i)perylene	17.386	276	412115	39.457	ng	98

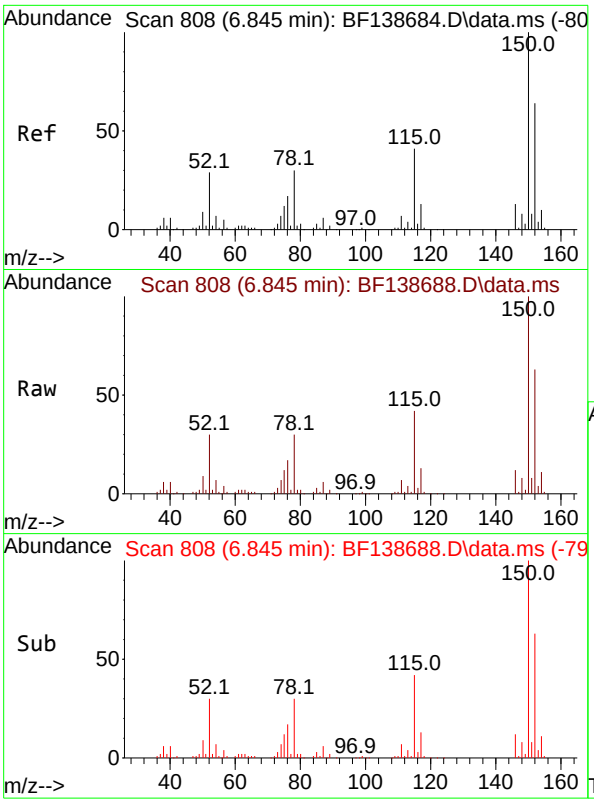
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



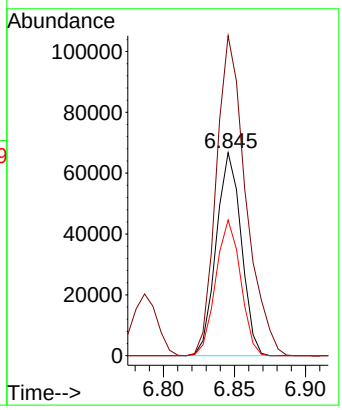


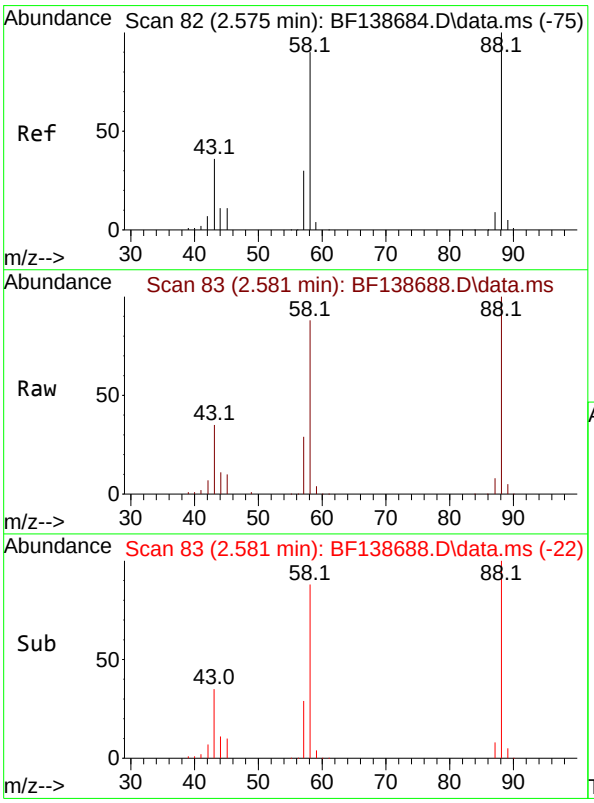
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

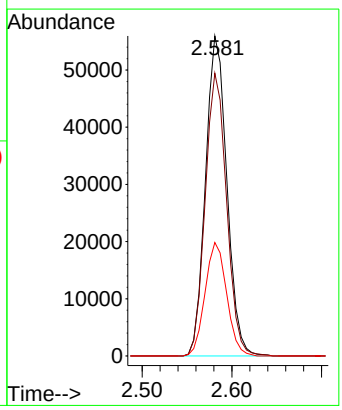


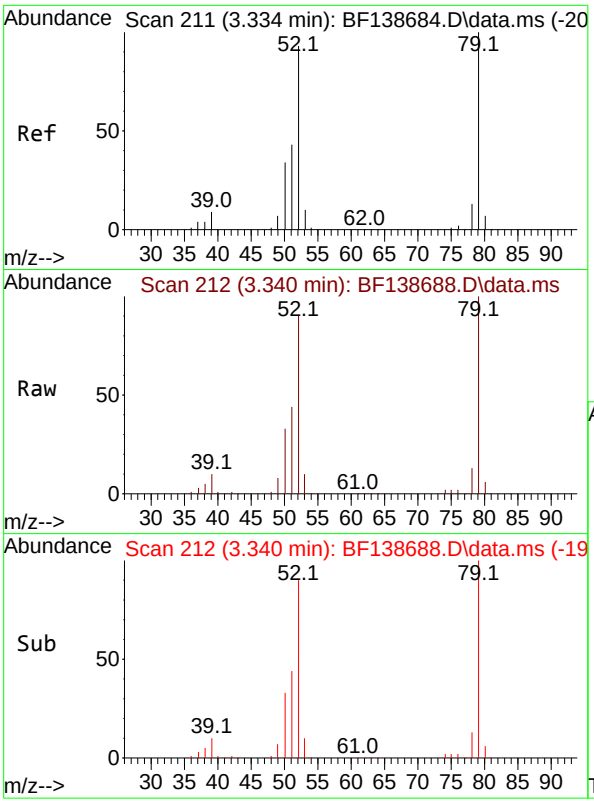


#2
1,4-Dioxane
Concen: 39.808 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



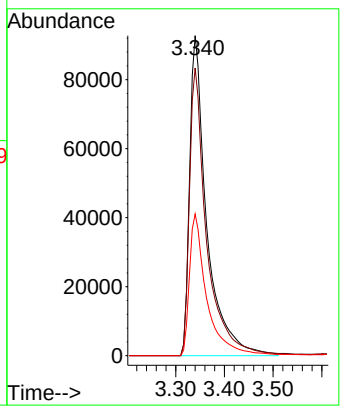


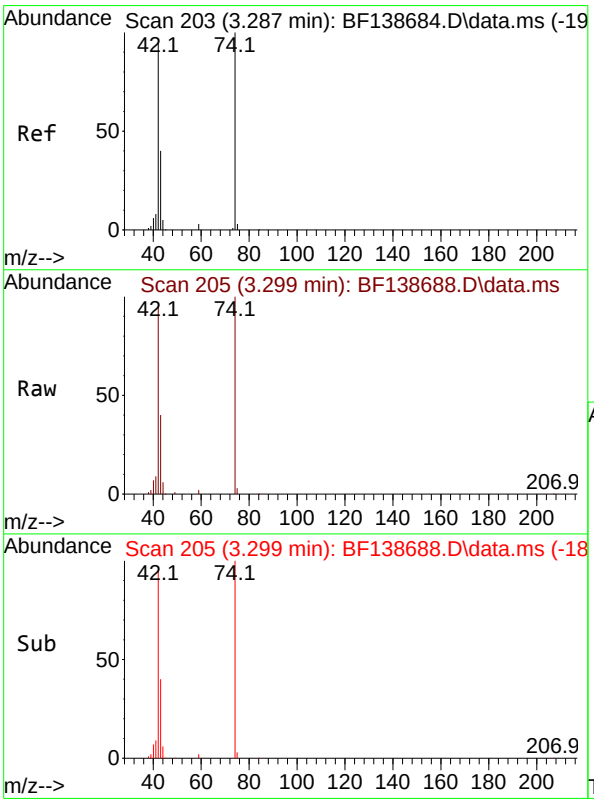
#3
Pyridine
Concen: 40.463 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

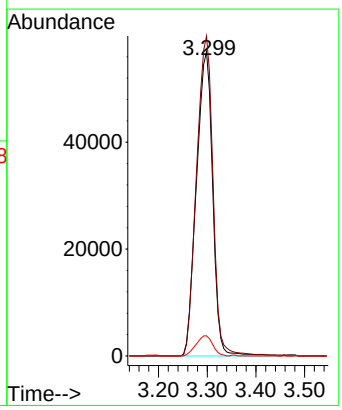


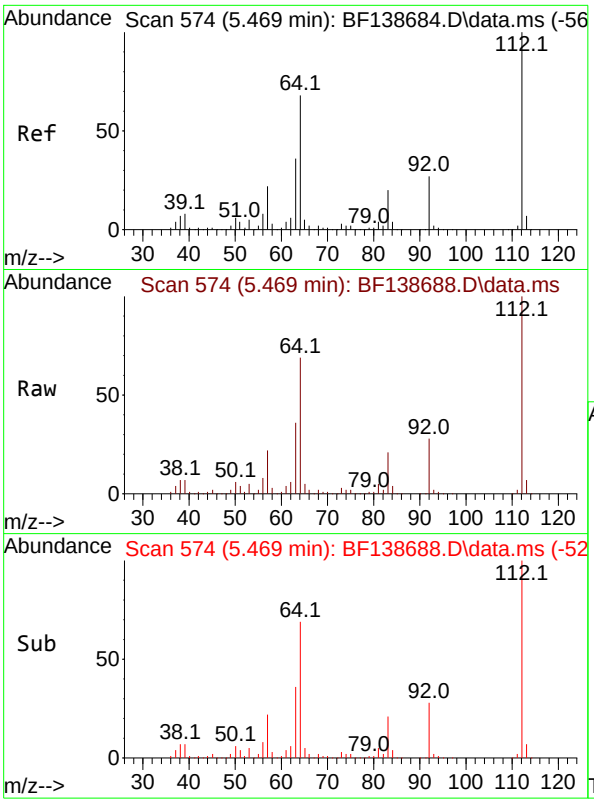


#4
n-Nitrosodimethylamine
Concen: 39.391 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



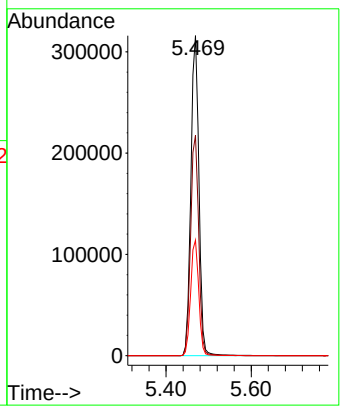


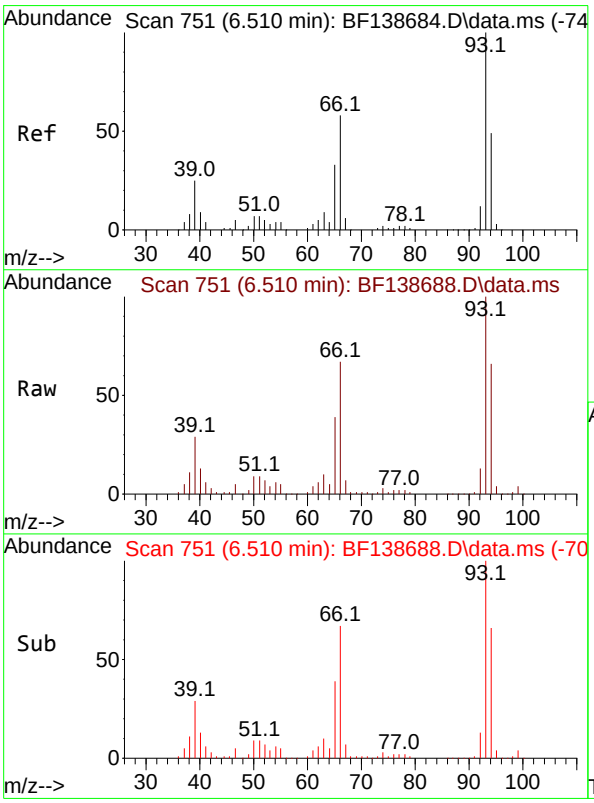
#5
2-Fluorophenol
Concen: 78.171 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

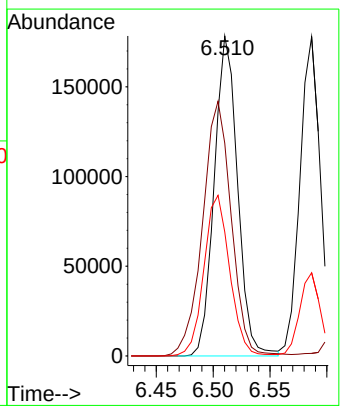


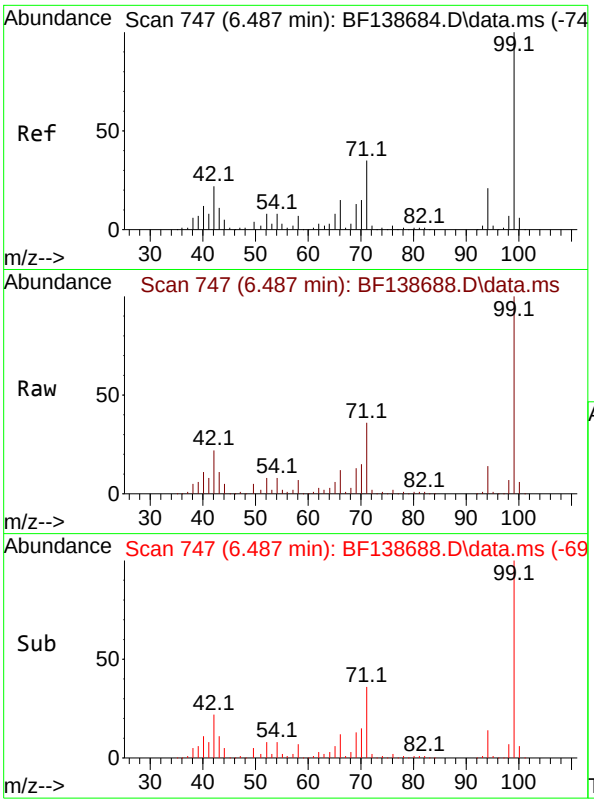


#6
Aniline
Concen: 40.197 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



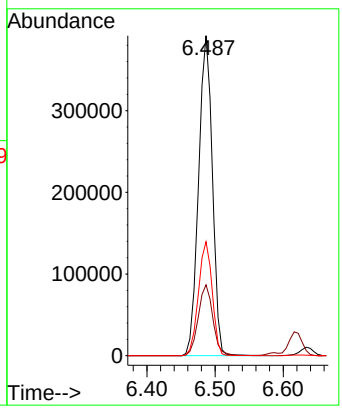


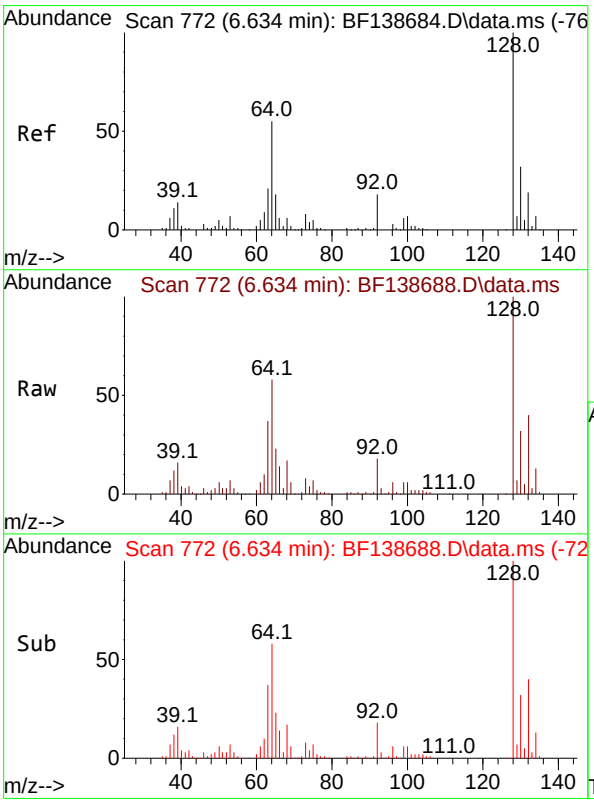
#7
Phenol-d6
Concen: 77.578 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

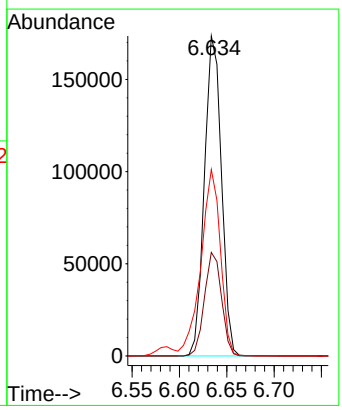


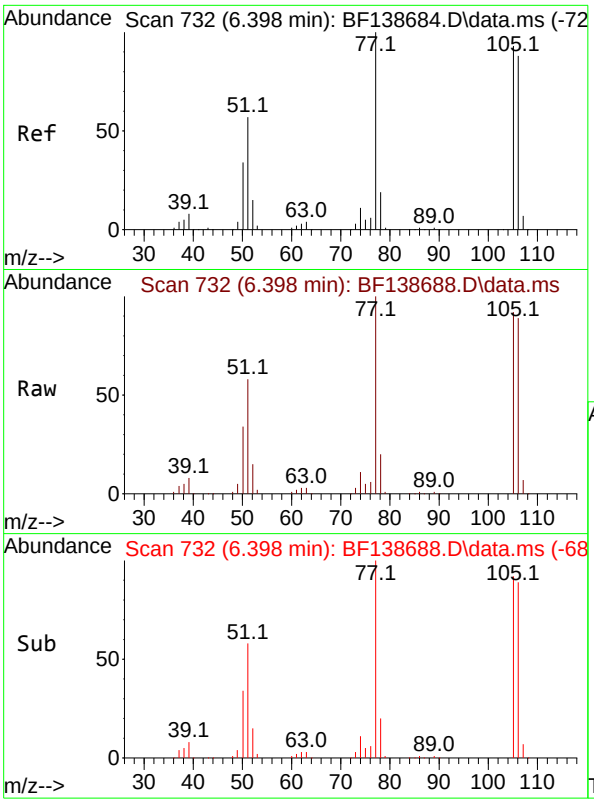


#8
2-Chlorophenol
Concen: 38.895 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



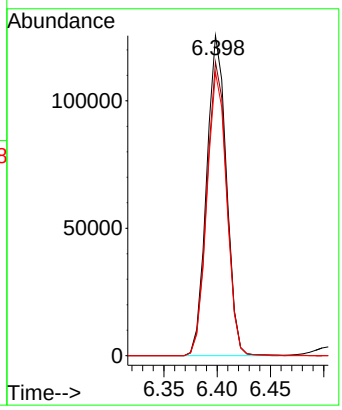


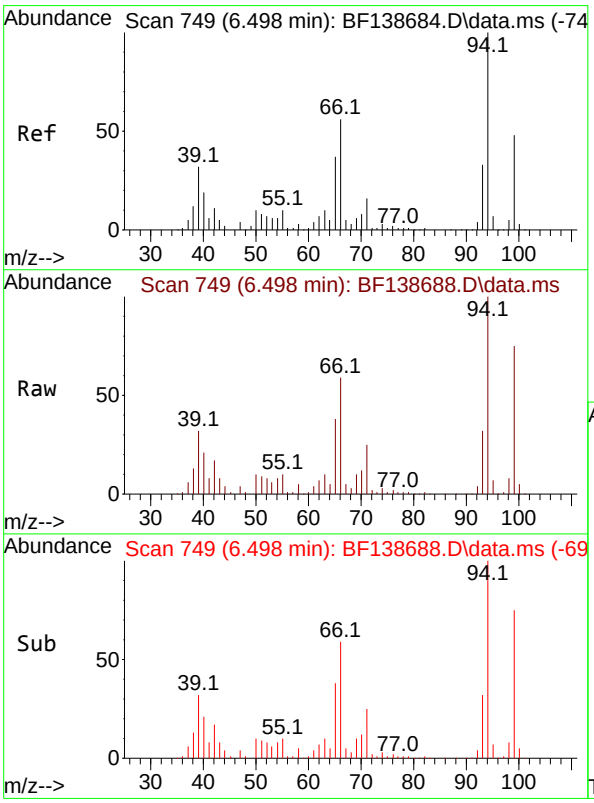
#9
Benzaldehyde
Concen: 37.898 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

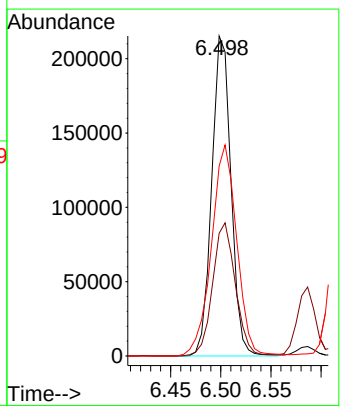


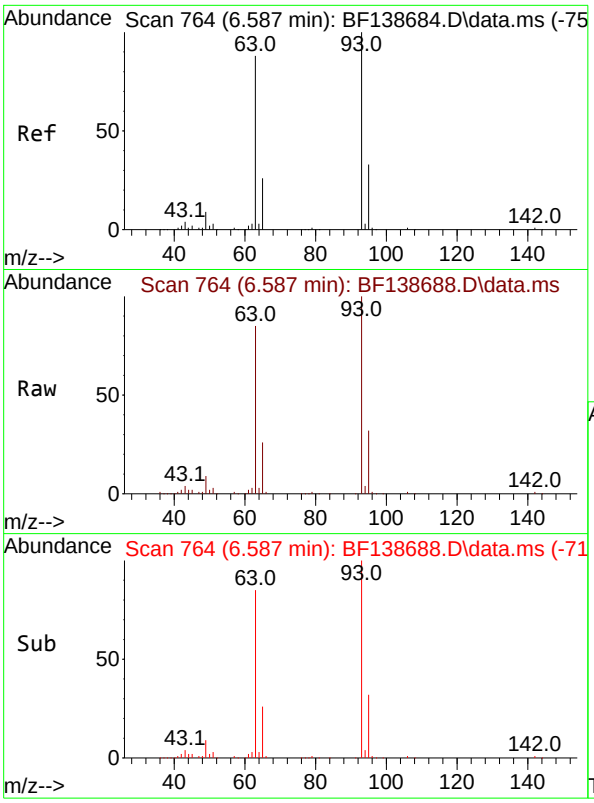


#10
Phenol
Concen: 38.277 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



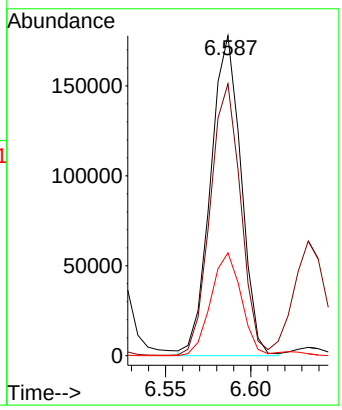


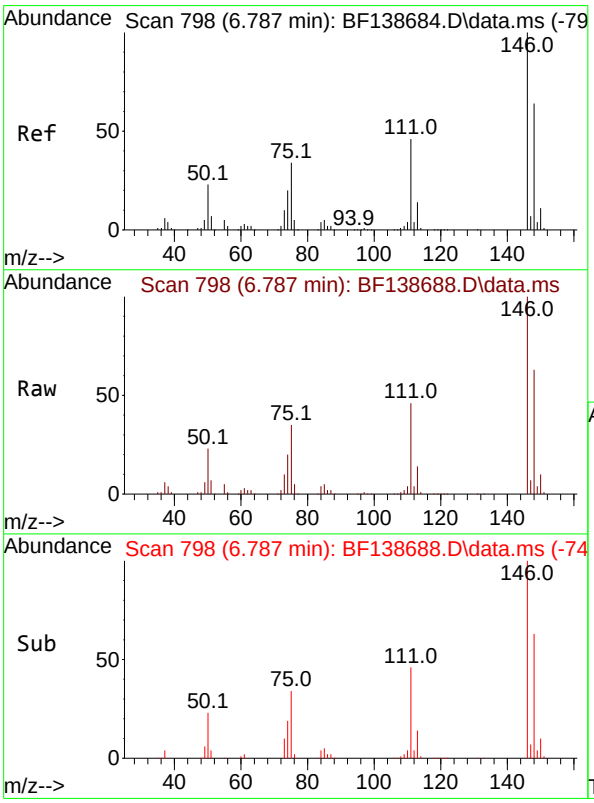
#11
bis(2-Chloroethyl)ether
Concen: 38.433 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

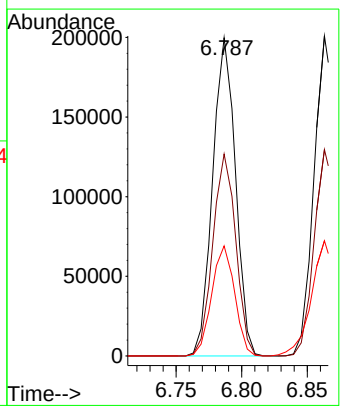


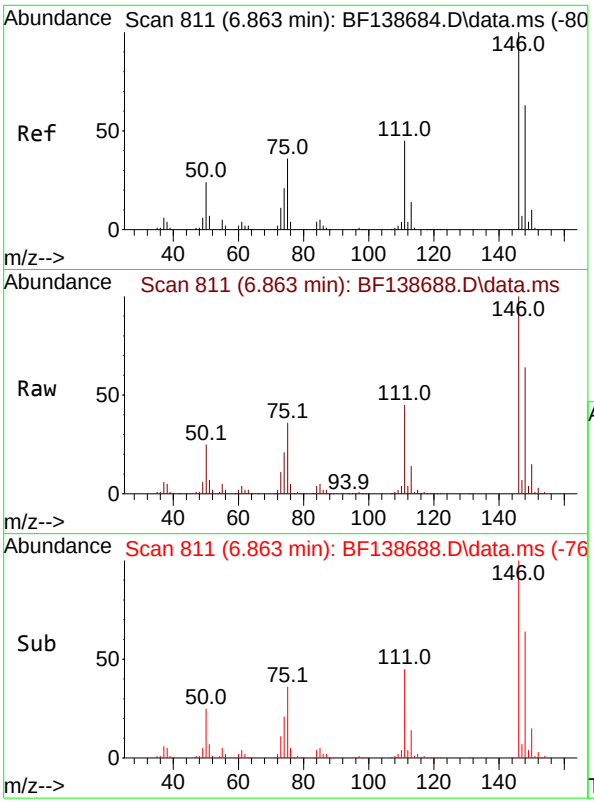


#12
1,3-Dichlorobenzene
Concen: 38.692 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



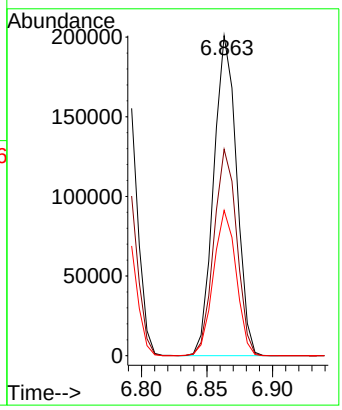


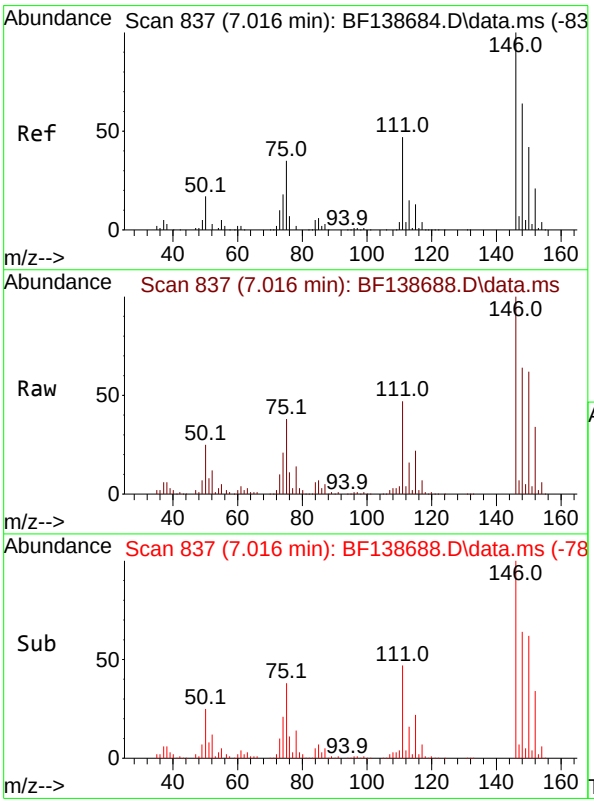
#13
1,4-Dichlorobenzene
Concen: 38.668 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

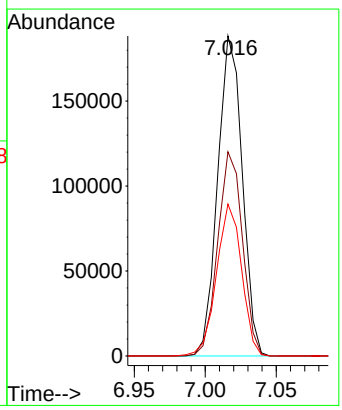


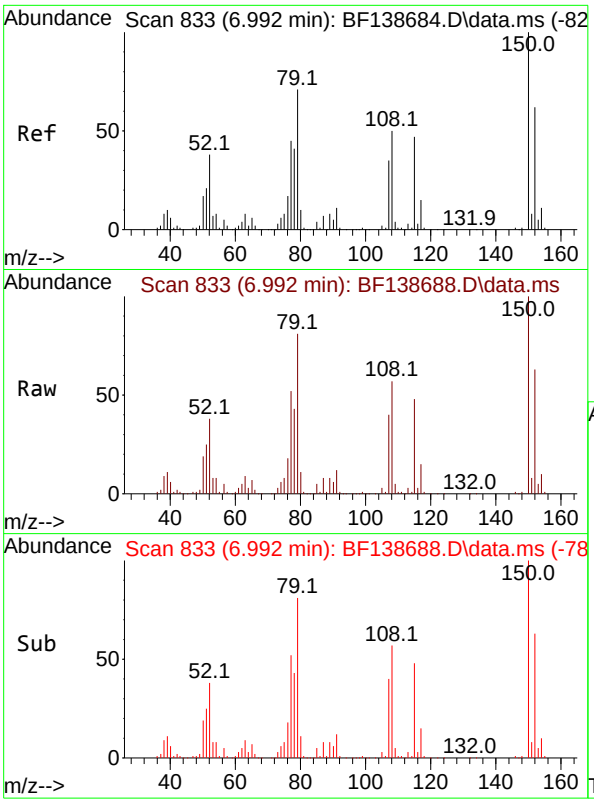


#14
1,2-Dichlorobenzene
Concen: 38.492 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



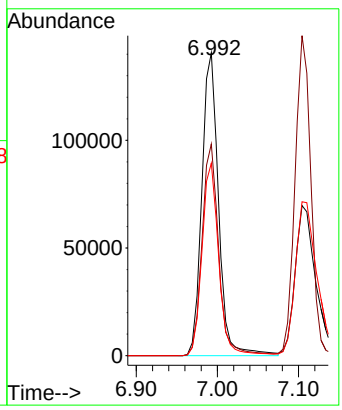


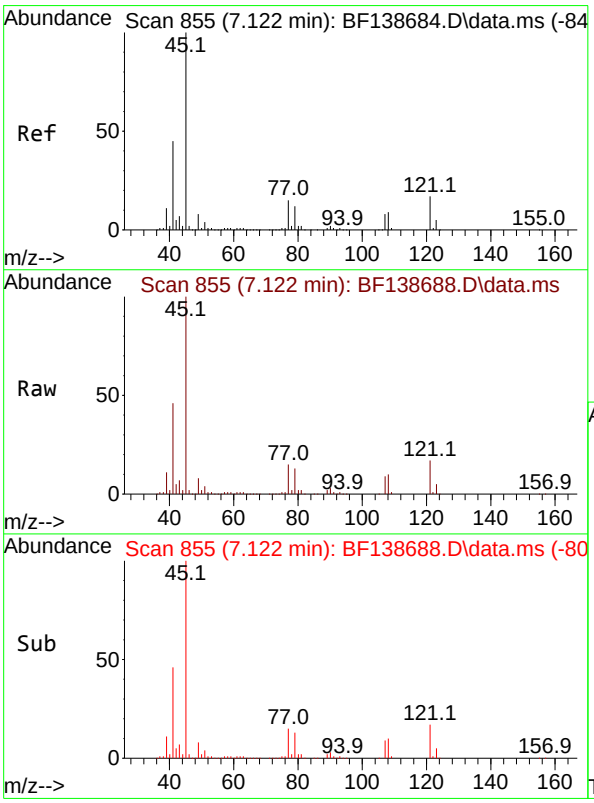
#15
Benzyl Alcohol
Concen: 39.118 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

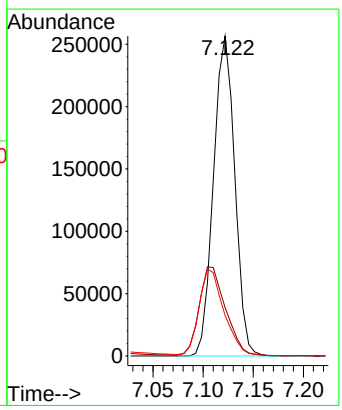


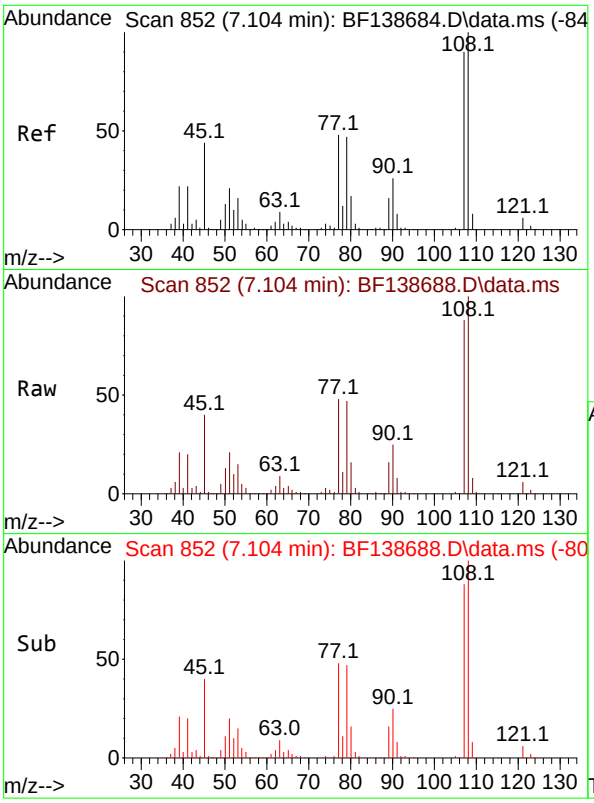


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.127 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



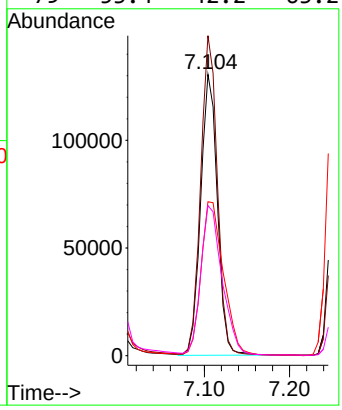


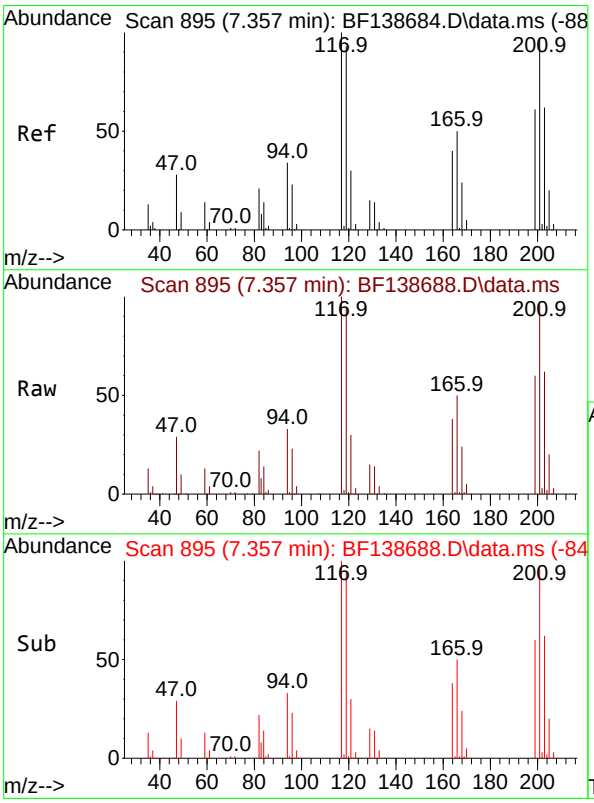
#17
2-Methylphenol
Concen: 38.649 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

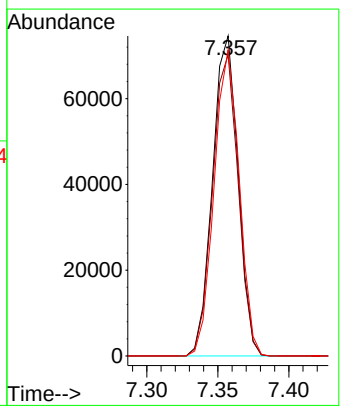


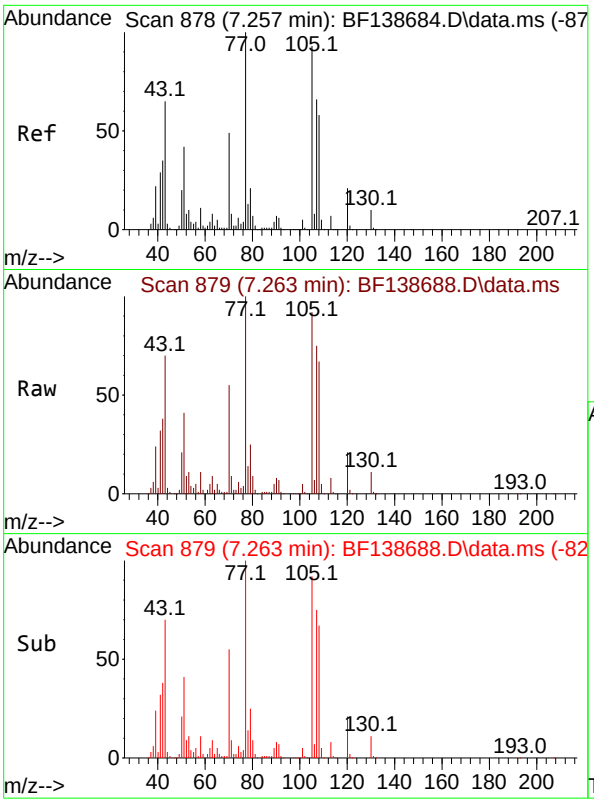


#18
Hexachloroethane
Concen: 39.384 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



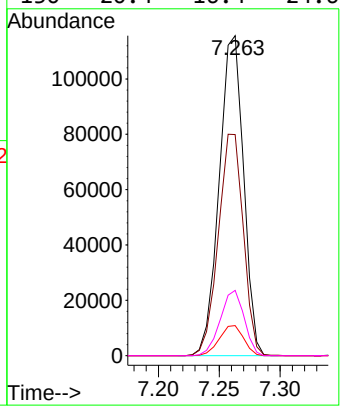


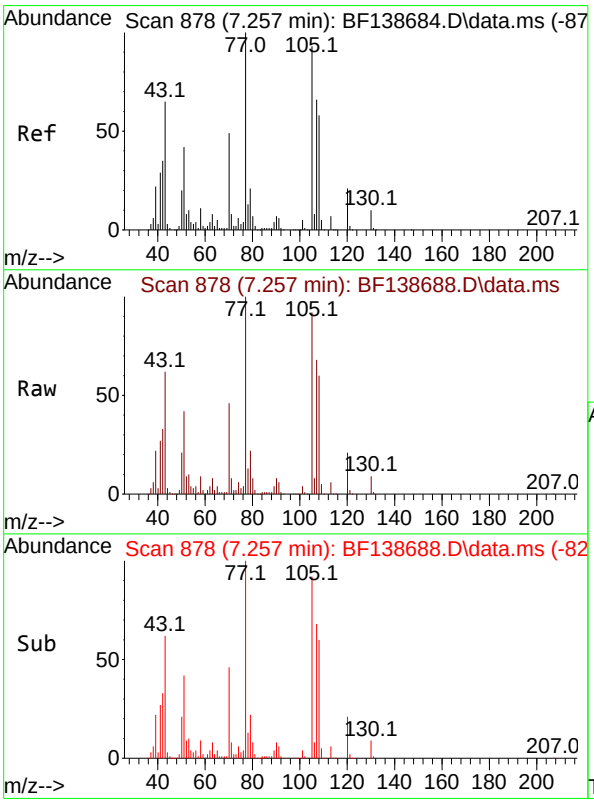
#19
n-Nitroso-di-n-propylamine
Concen: 37.442 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

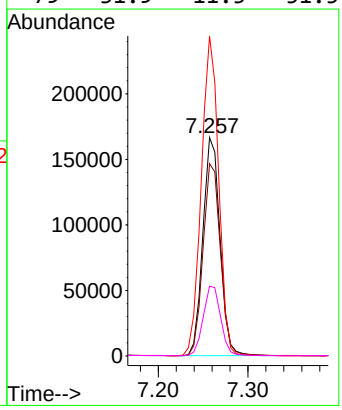


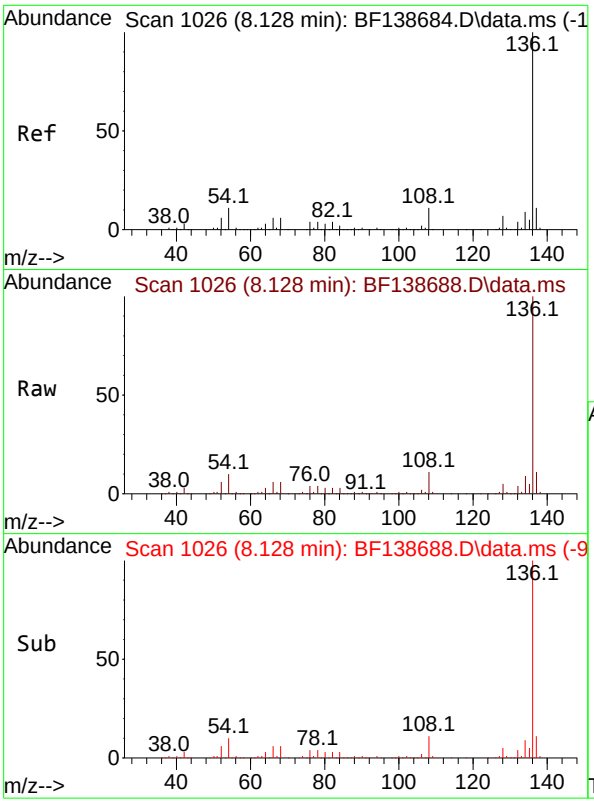


#20
3+4-Methylphenols
Concen: 37.436 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



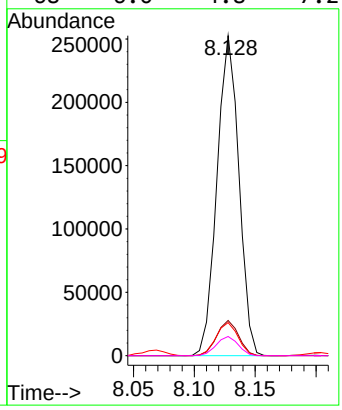


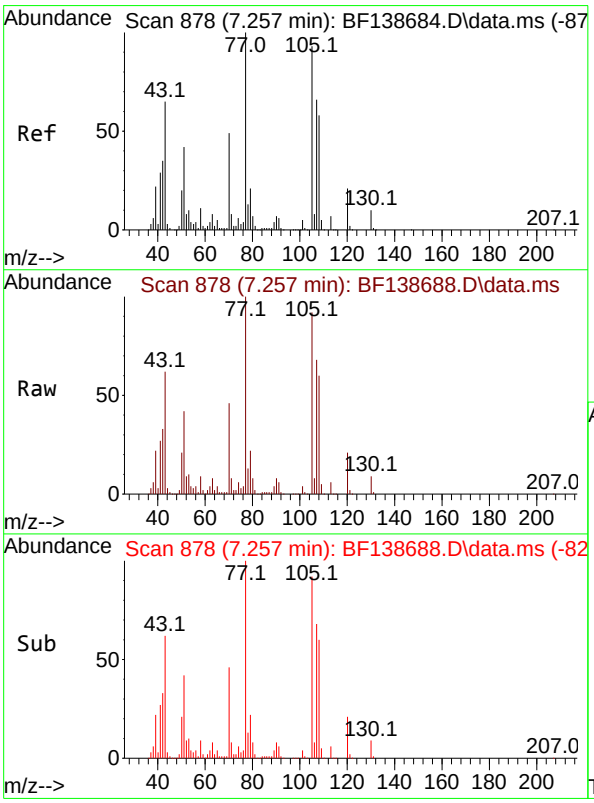
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

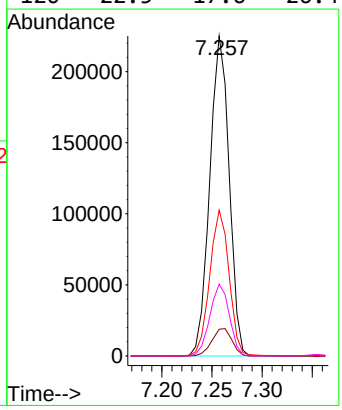


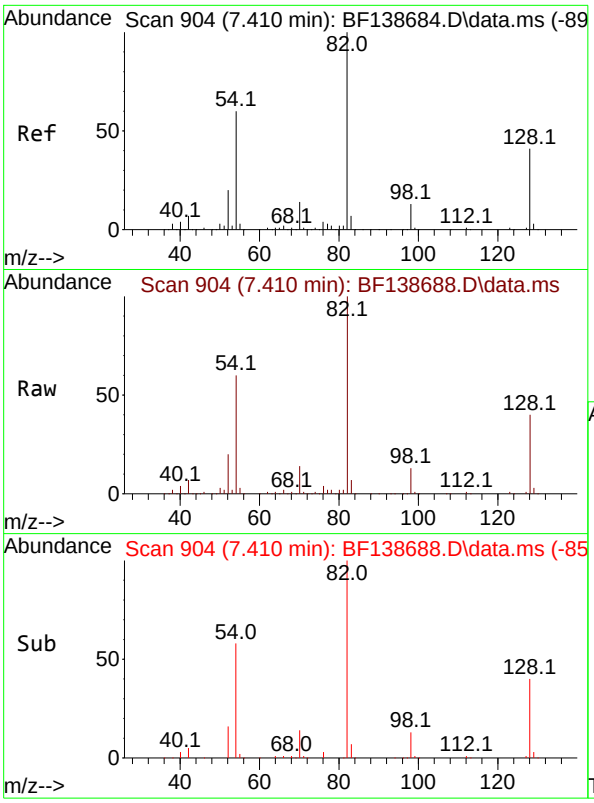


#22
Acetophenone
Concen: 39.095 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



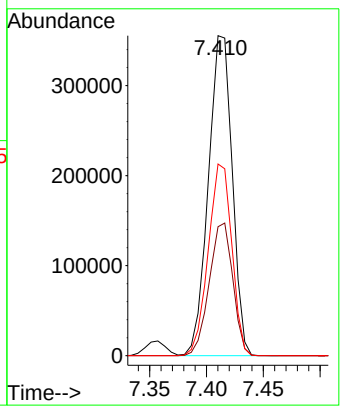


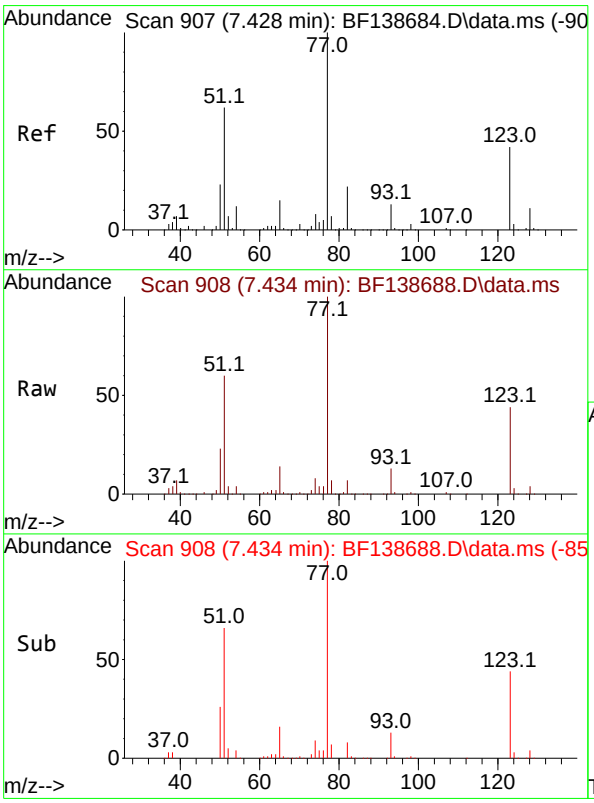
#23
Nitrobenzene-d5
Concen: 80.424 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

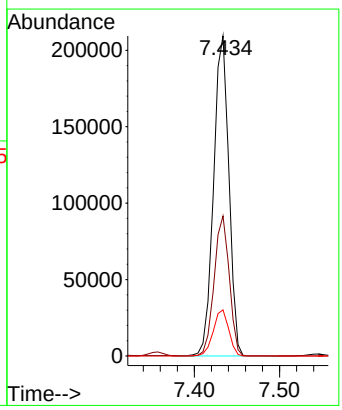


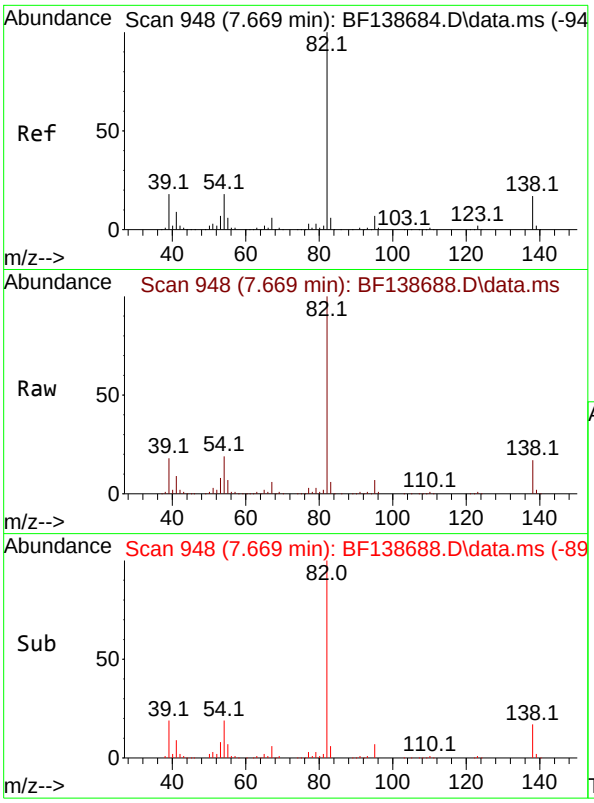


#24
Nitrobenzene
Concen: 39.882 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



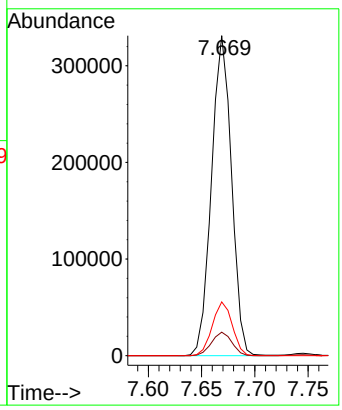


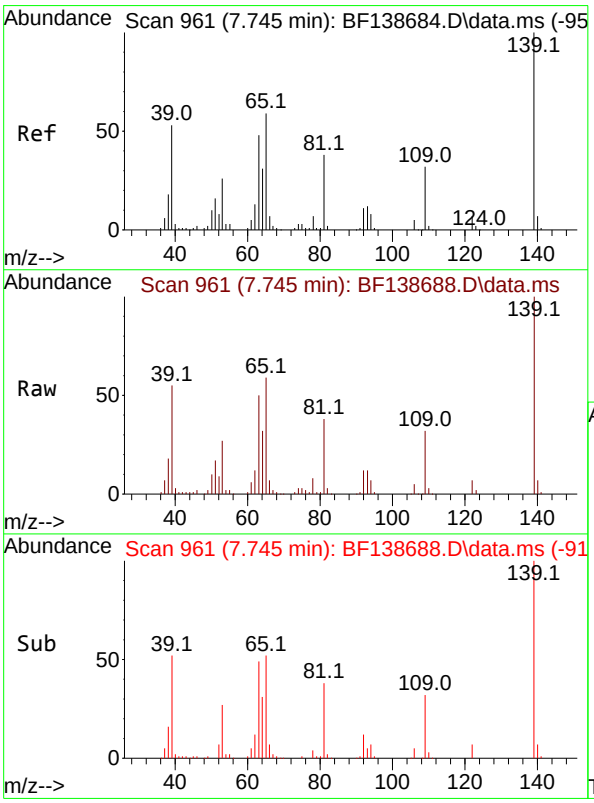
#25
Isophorone
Concen: 39.275 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

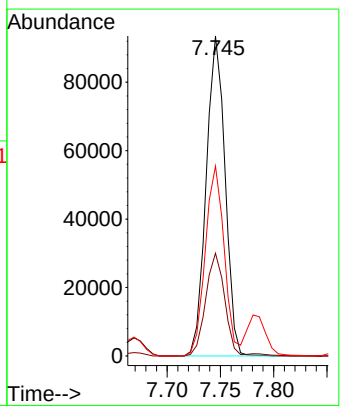


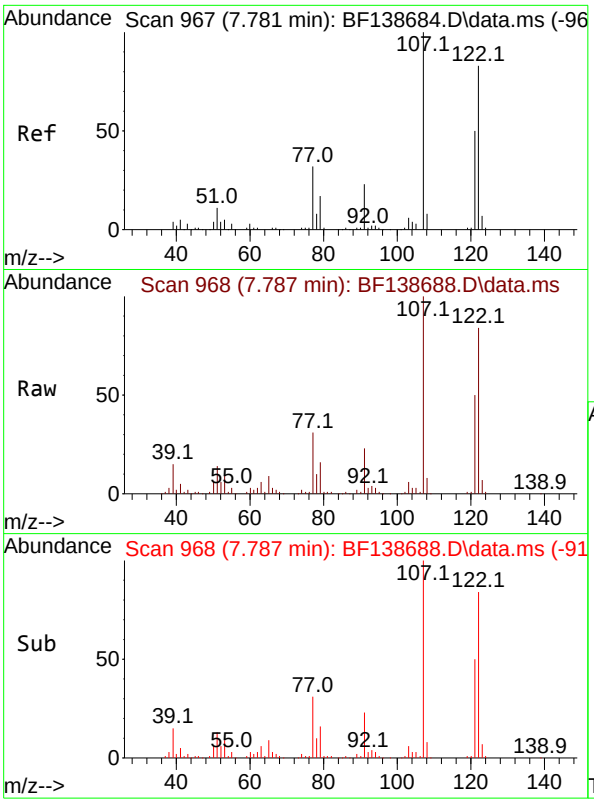


#26
2-Nitrophenol
Concen: 40.668 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



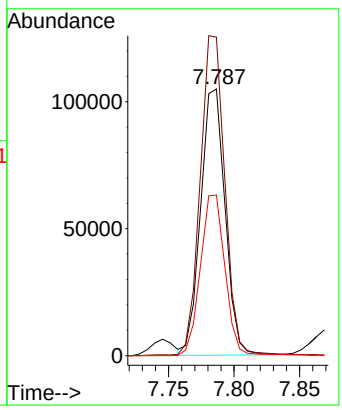


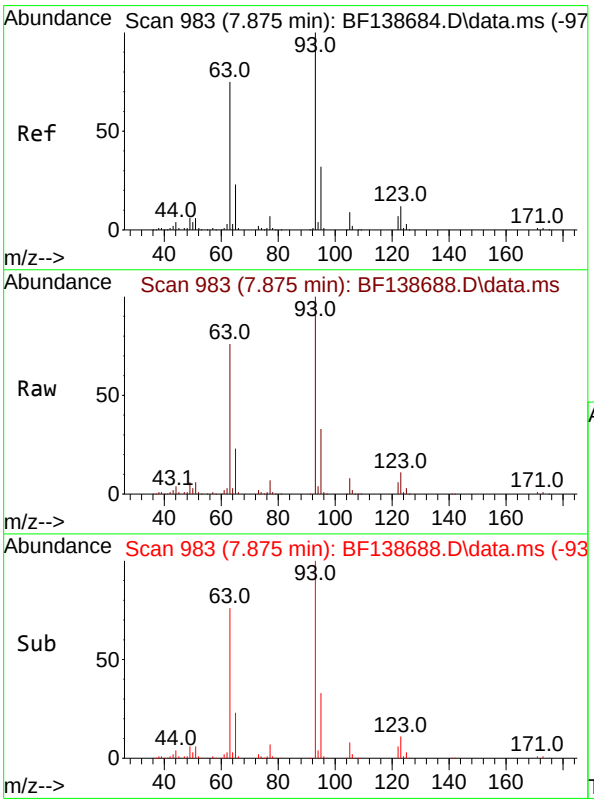
#27
2,4-Dimethylphenol
Concen: 40.231 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

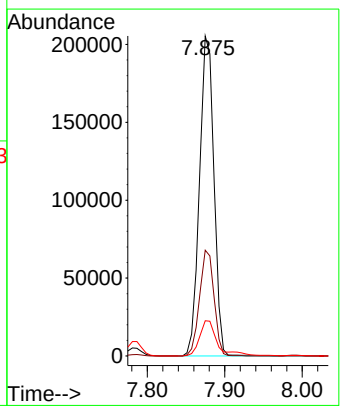


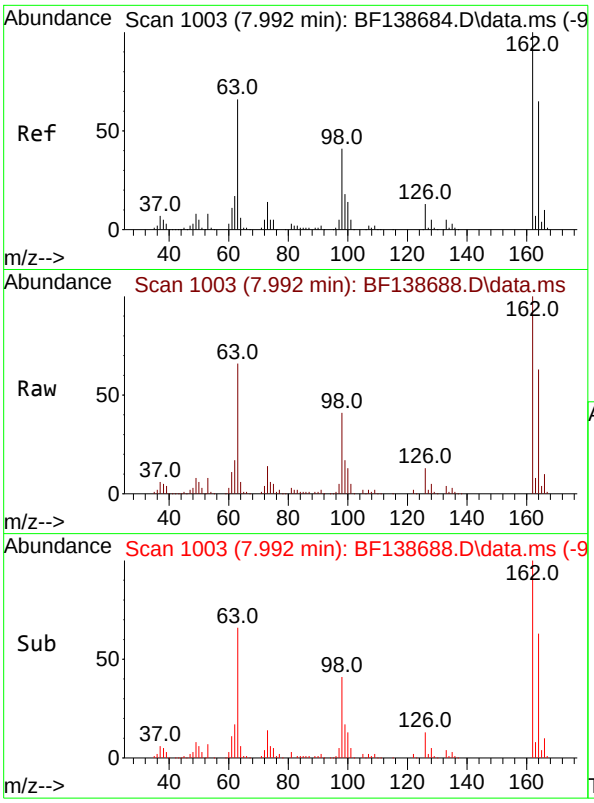


#28
bis(2-Chloroethoxy)methane
Concen: 39.557 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



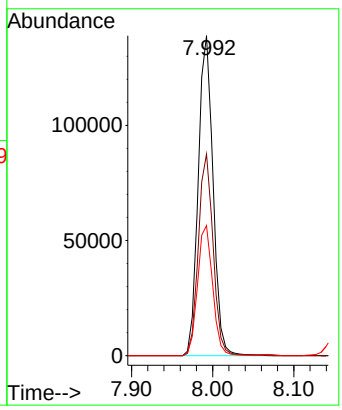


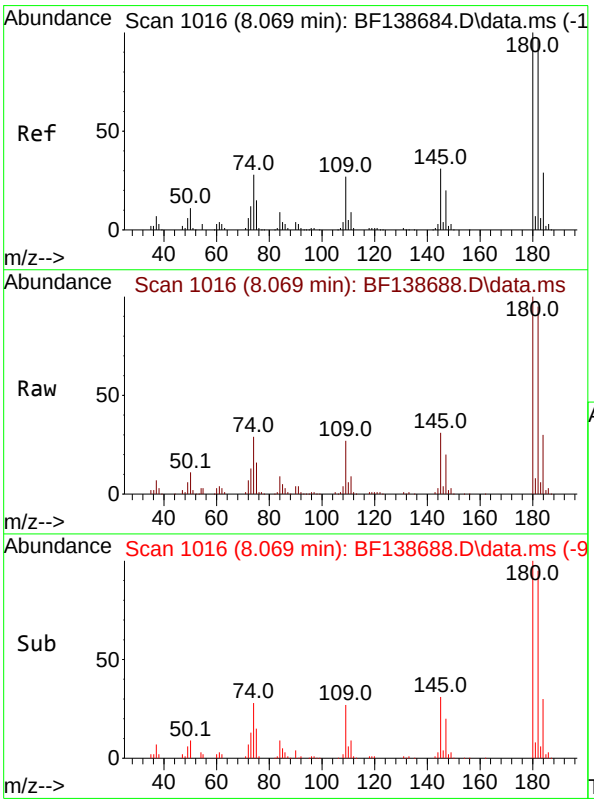
#29
2,4-Dichlorophenol
Concen: 40.567 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

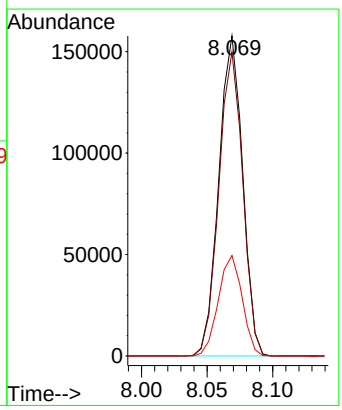


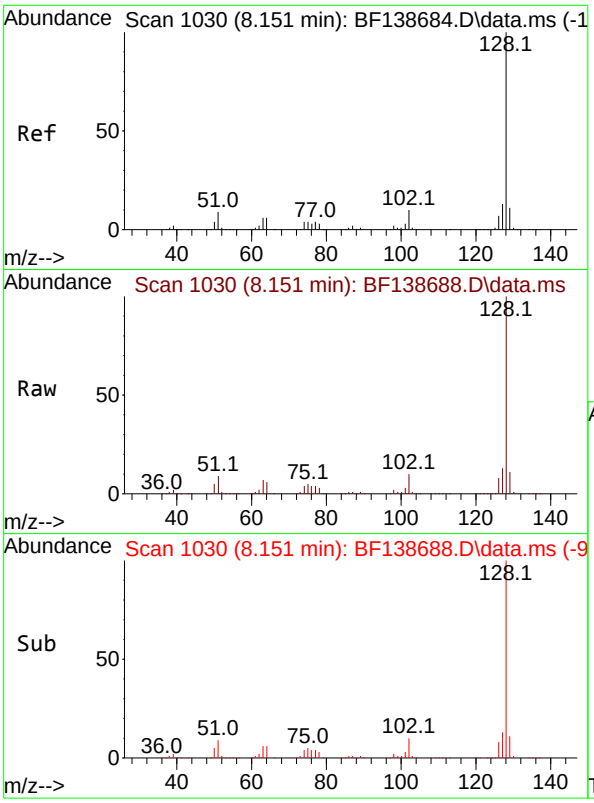


#30
1,2,4-Trichlorobenzene
Concen: 39.651 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



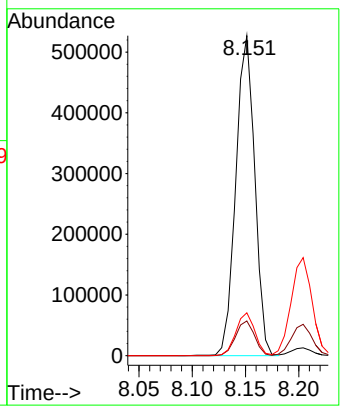


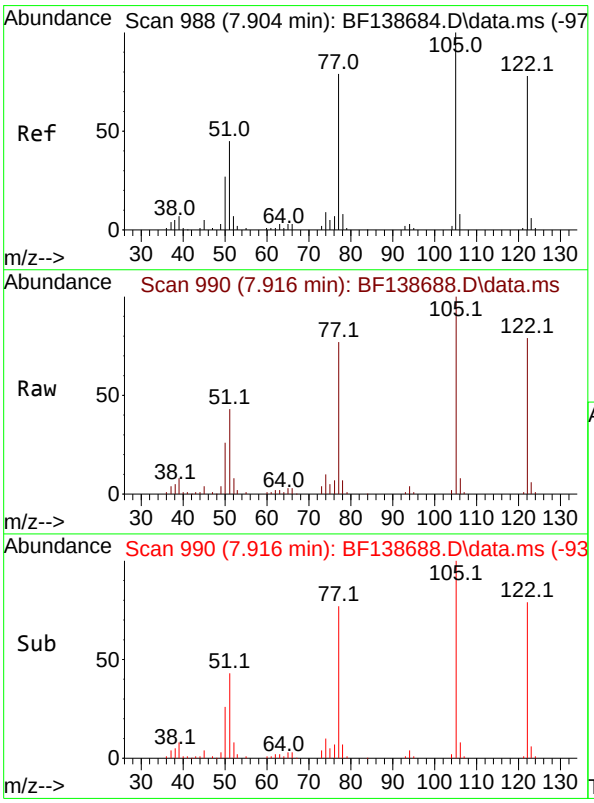
#31
Naphthalene
Concen: 39.232 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

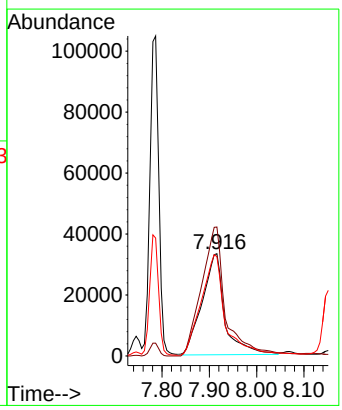


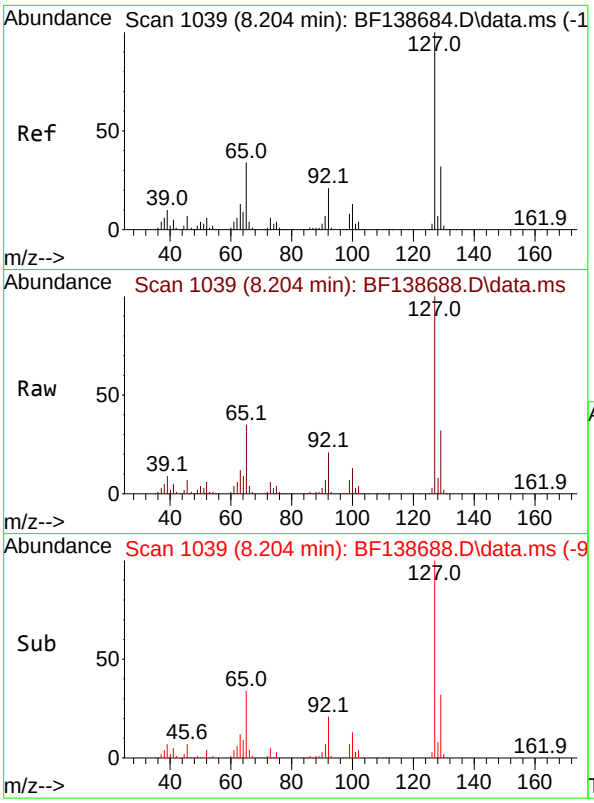


#32
Benzoic acid
Concen: 41.481 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



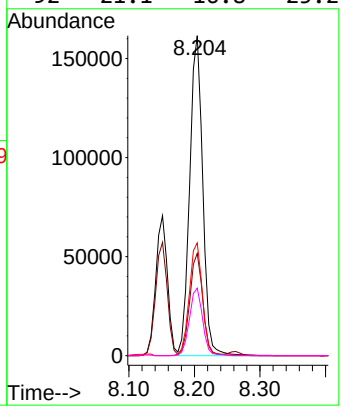


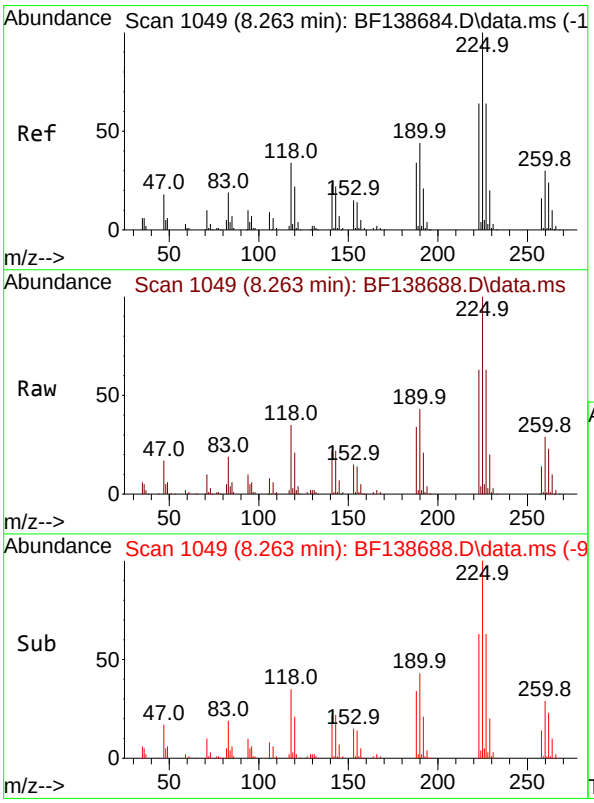
#33
4-Chloroaniline
Concen: 40.067 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

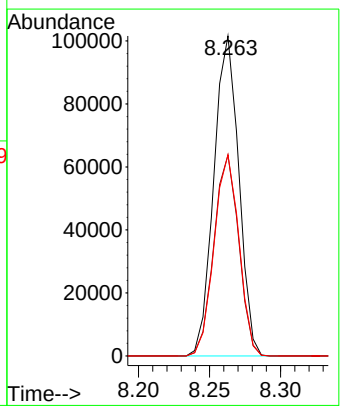


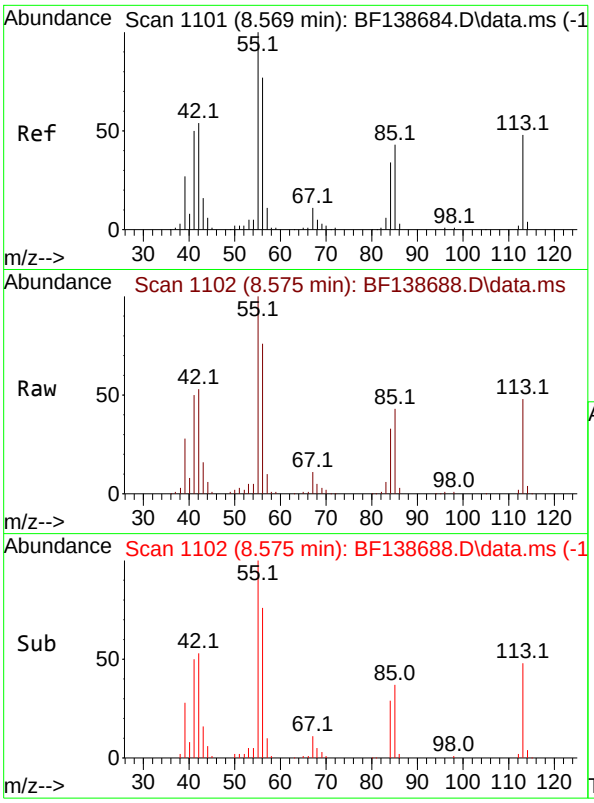


#34
Hexachlorobutadiene
Concen: 40.772 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



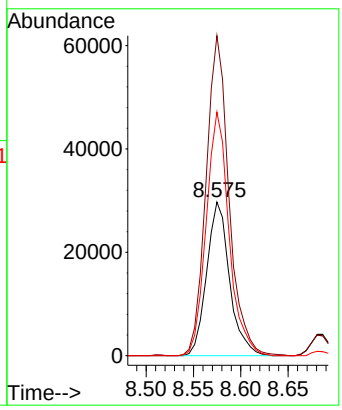


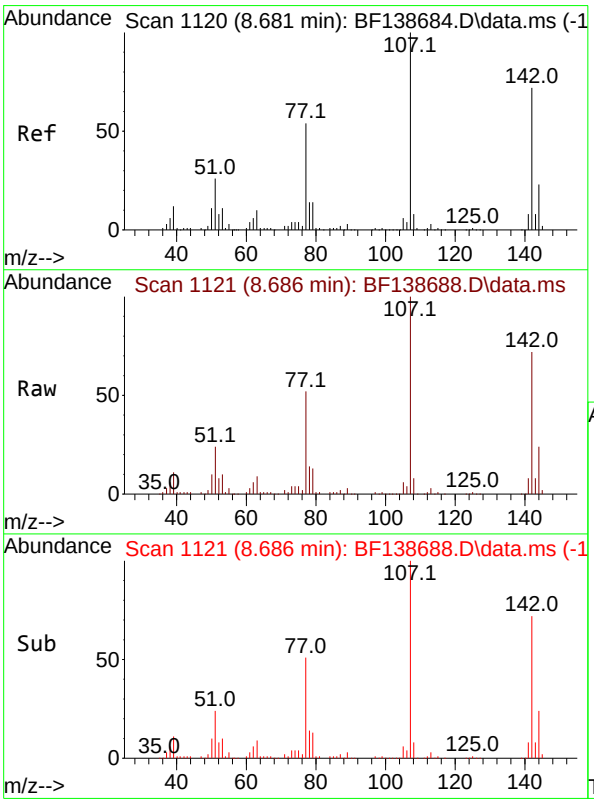
#35
Caprolactam
Concen: 38.365 ng
RT: 8.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

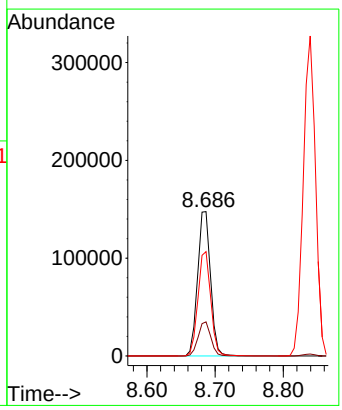


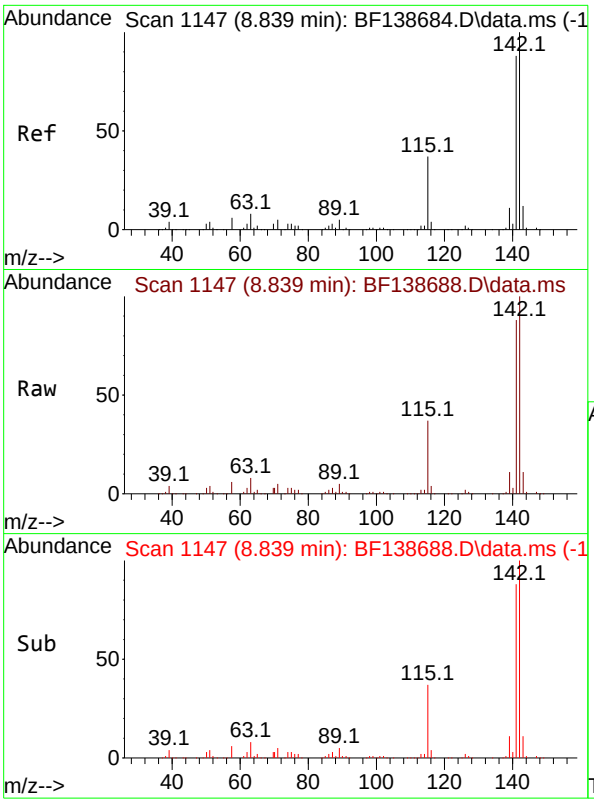


#36
4-Chloro-3-methylphenol
Concen: 39.164 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



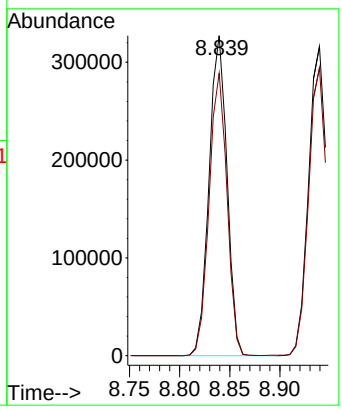


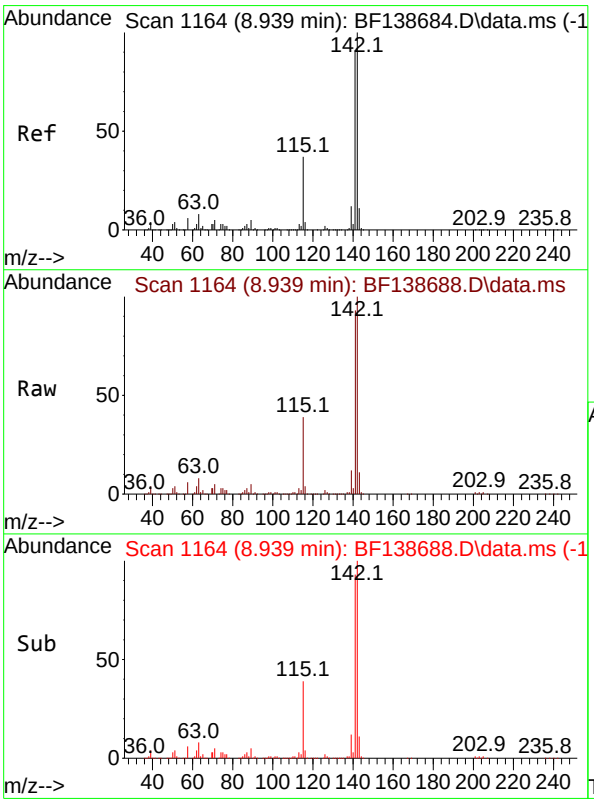
#37
2-Methylnaphthalene
Concen: 38.836 ng
RT: 8.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:142 Resp: 408106

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

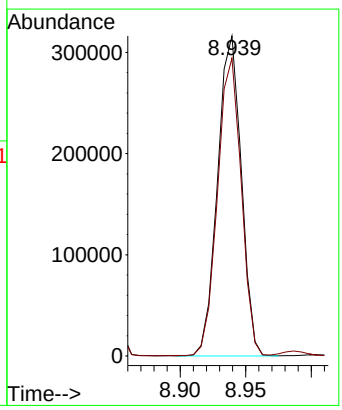


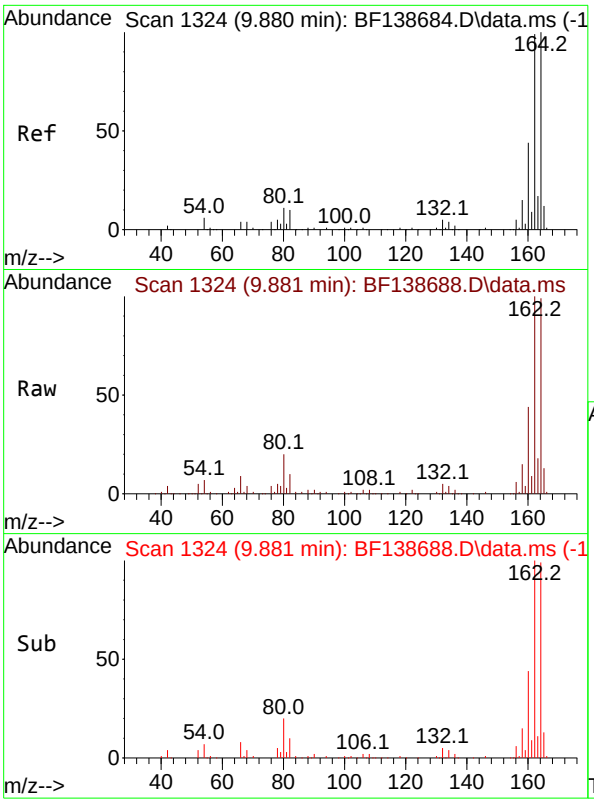


#38
1-Methylnaphthalene
Concen: 38.666 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:142 Resp: 398155

Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.1	109.7



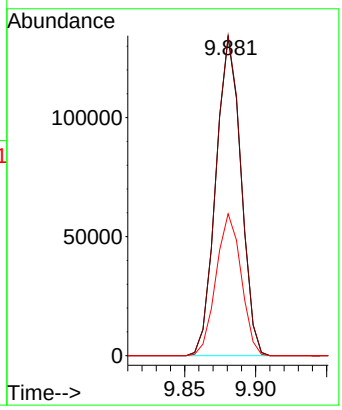


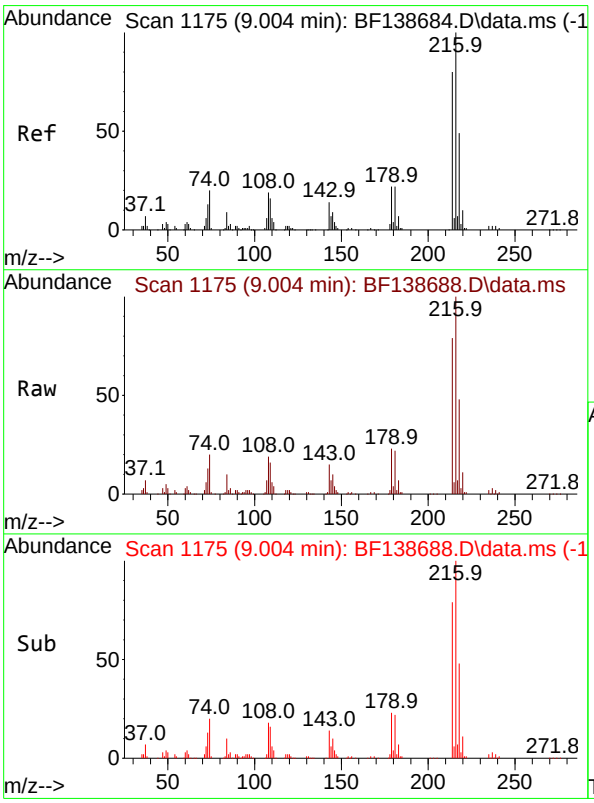
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

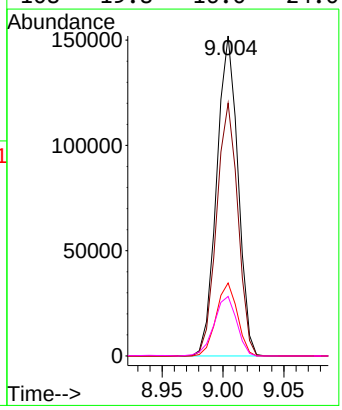


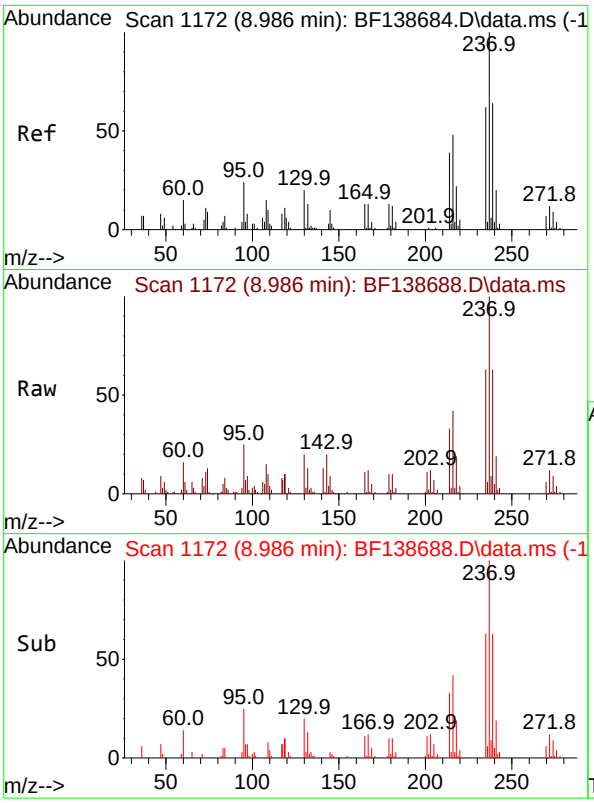


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.554 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



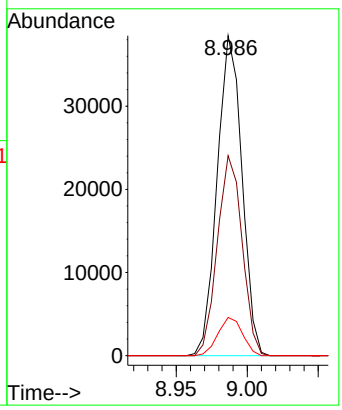


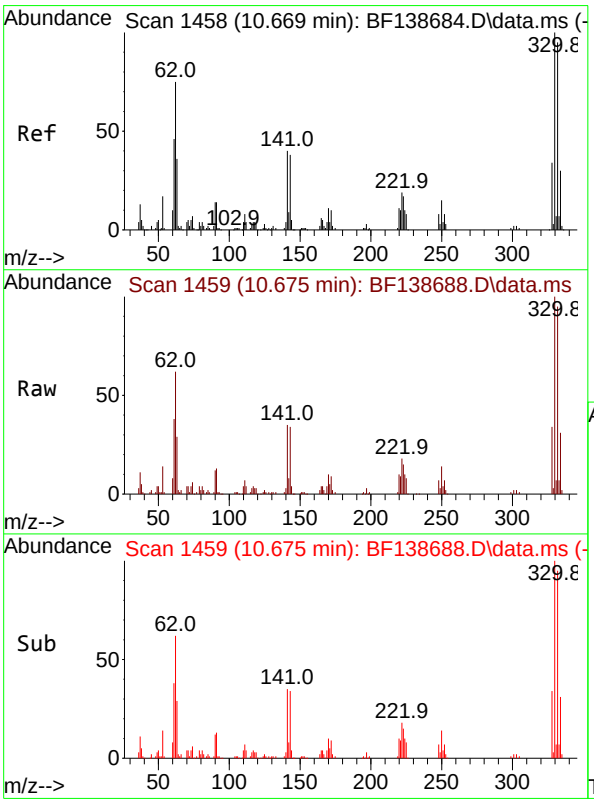
#41
Hexachlorocyclopentadiene
Concen: 42.278 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

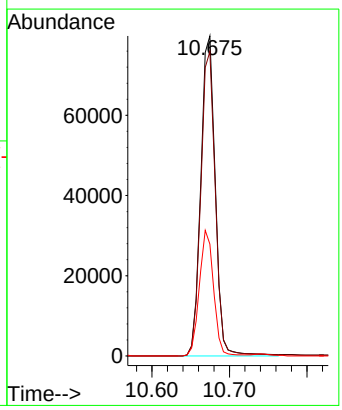


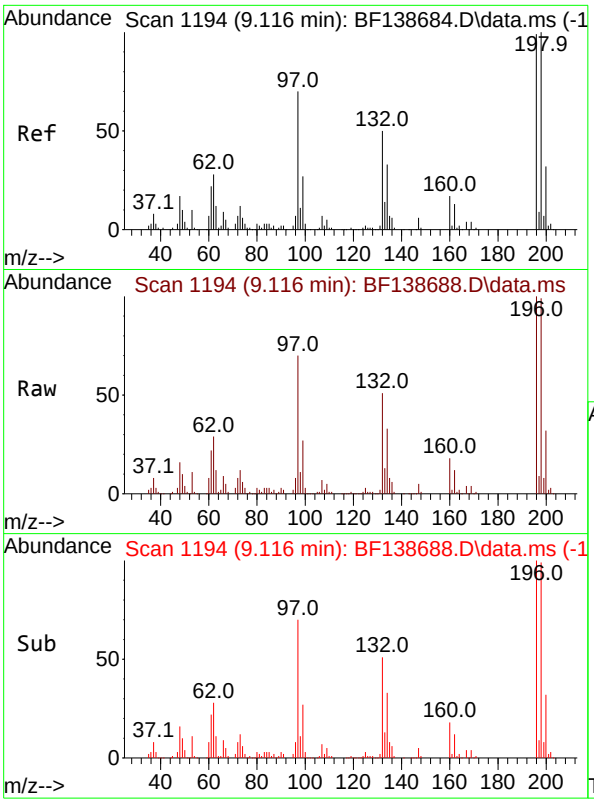


#42
2,4,6-Tribromophenol
Concen: 77.401 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



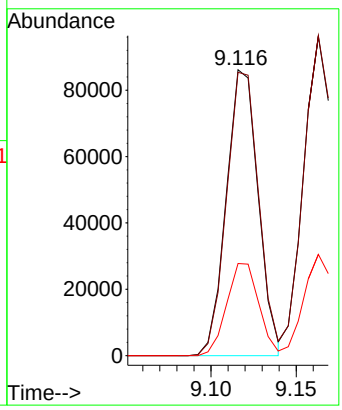


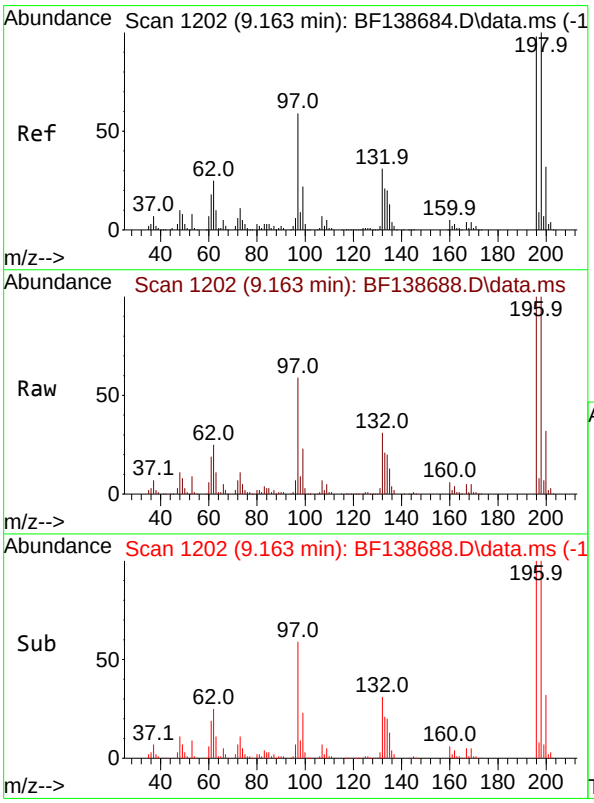
#43
2,4,6-Trichlorophenol
Concen: 40.384 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

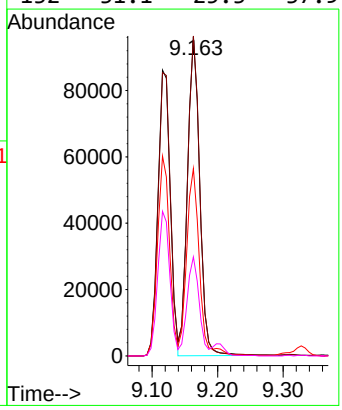


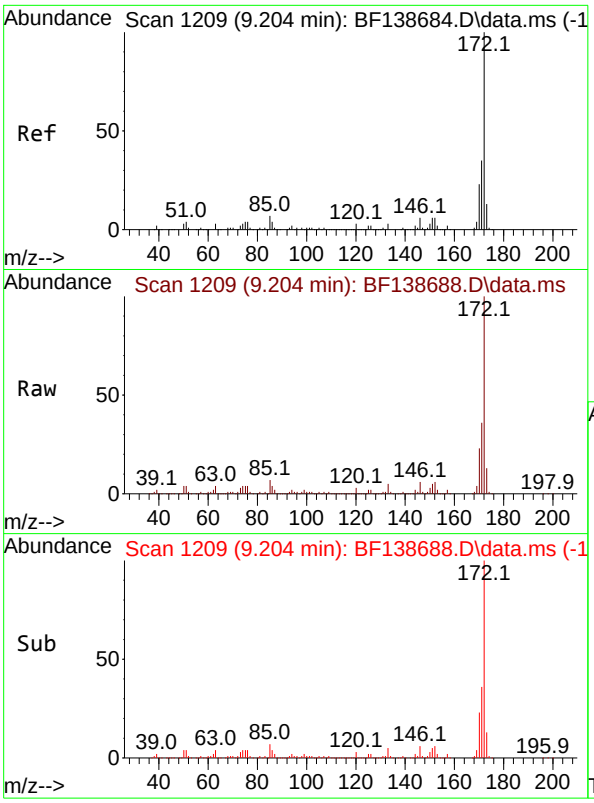


#44
2,4,5-Trichlorophenol
Concen: 41.011 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



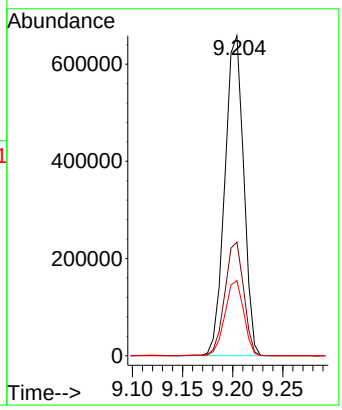


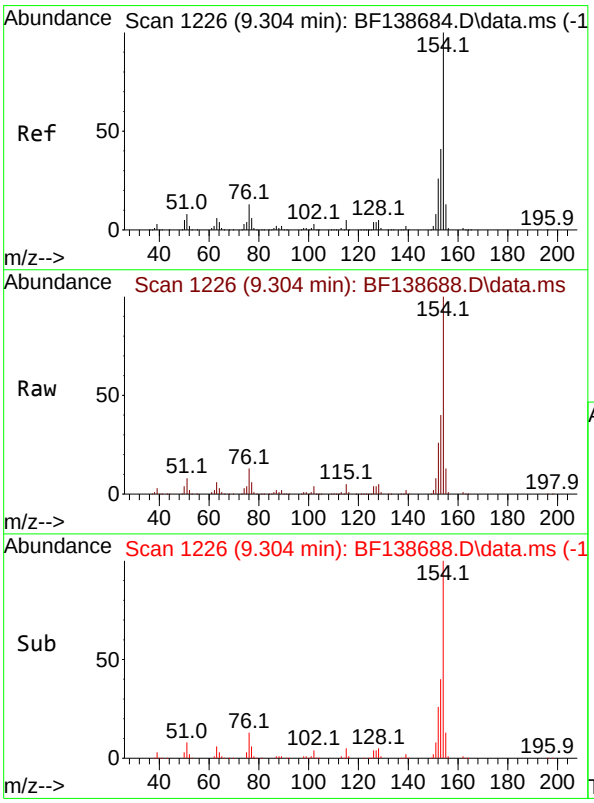
#45
2-Fluorobiphenyl
Concen: 78.500 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

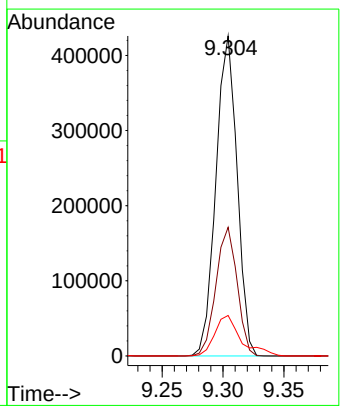


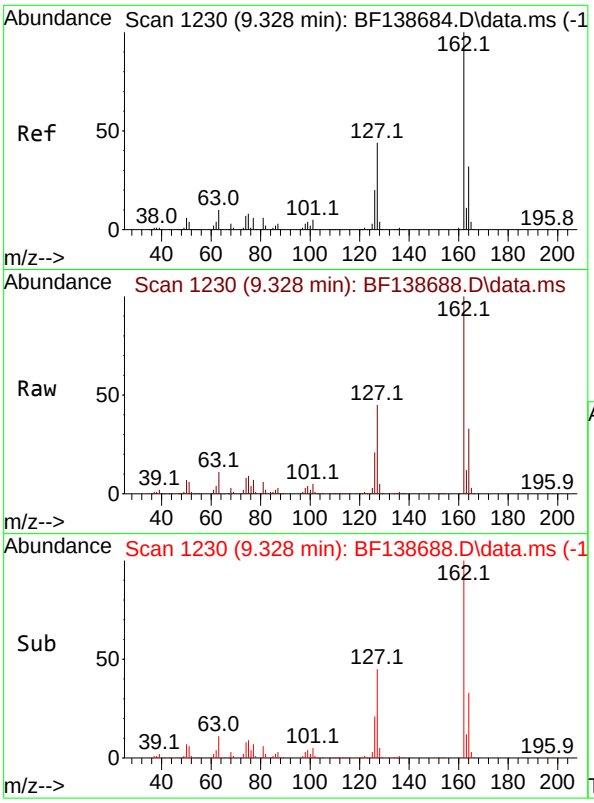


#46
1,1'-Biphenyl
Concen: 40.156 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



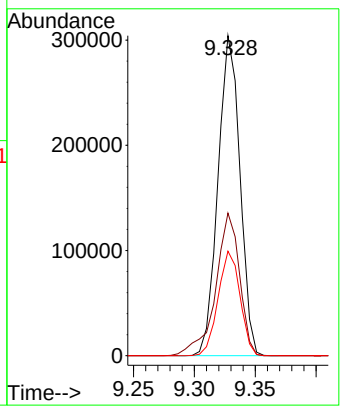


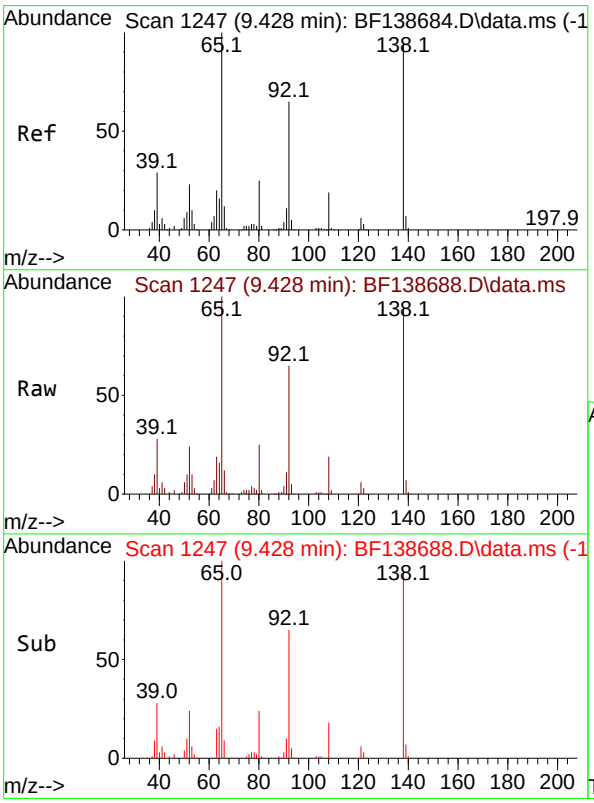
#47
2-Chloronaphthalene
Concen: 39.966 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

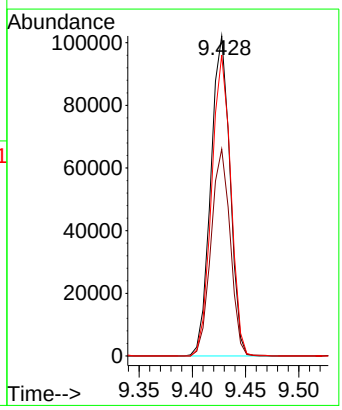


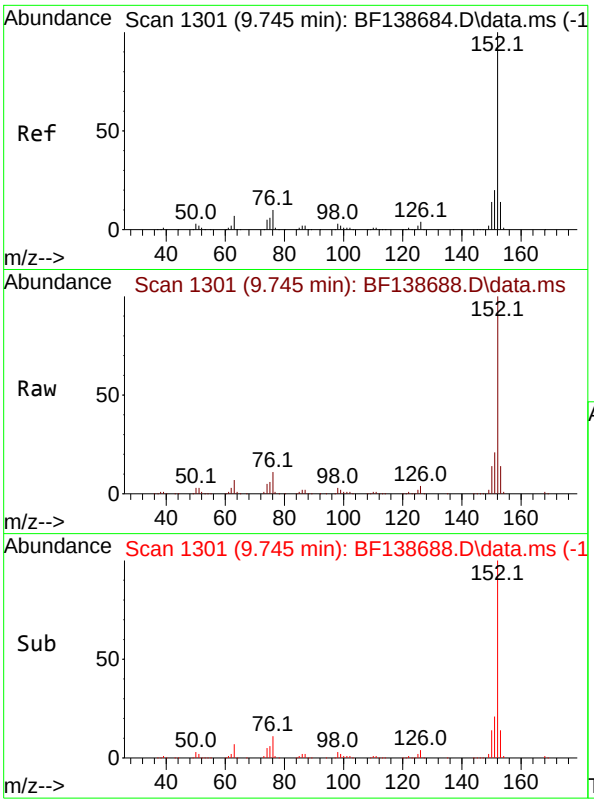


#48
2-Nitroaniline
Concen: 39.505 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



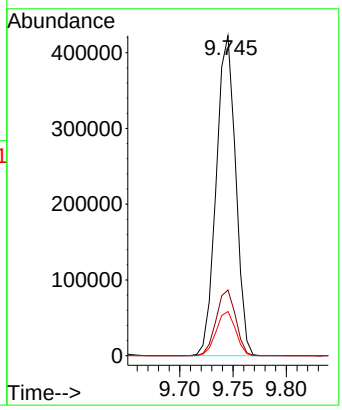


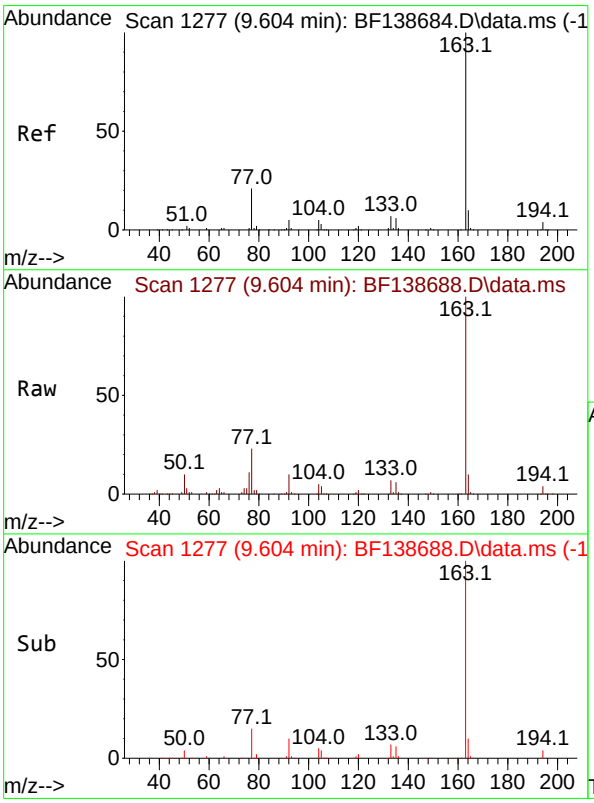
#49
Acenaphthylene
Concen: 39.504 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

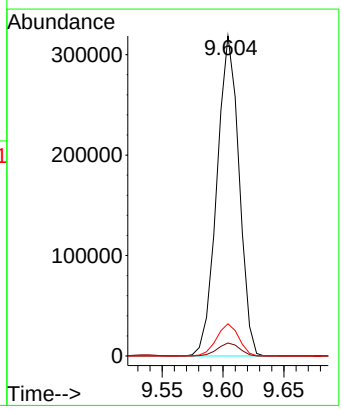


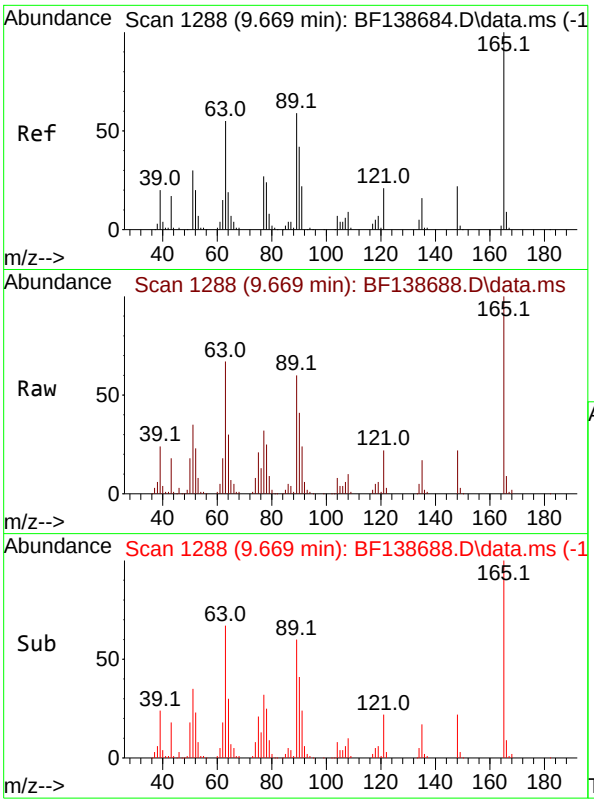


#50
Dimethylphthalate
Concen: 38.458 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



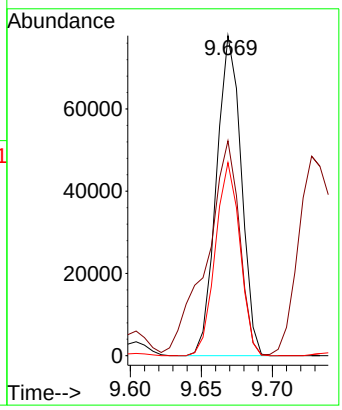


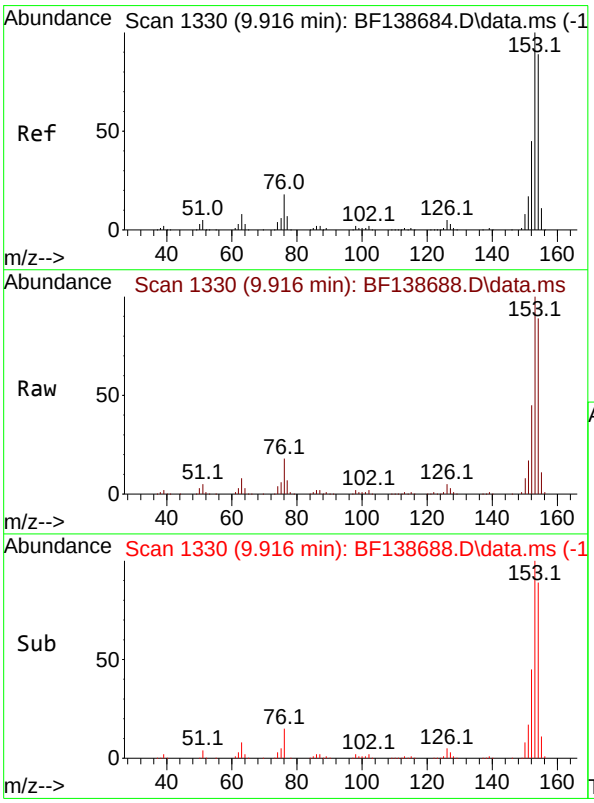
#51
2,6-Dinitrotoluene
Concen: 39.895 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

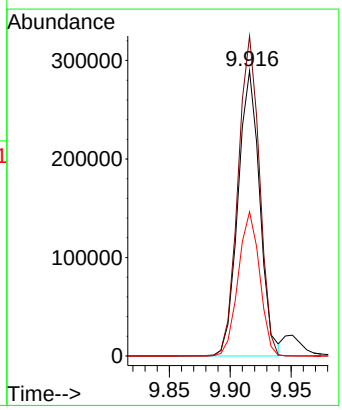


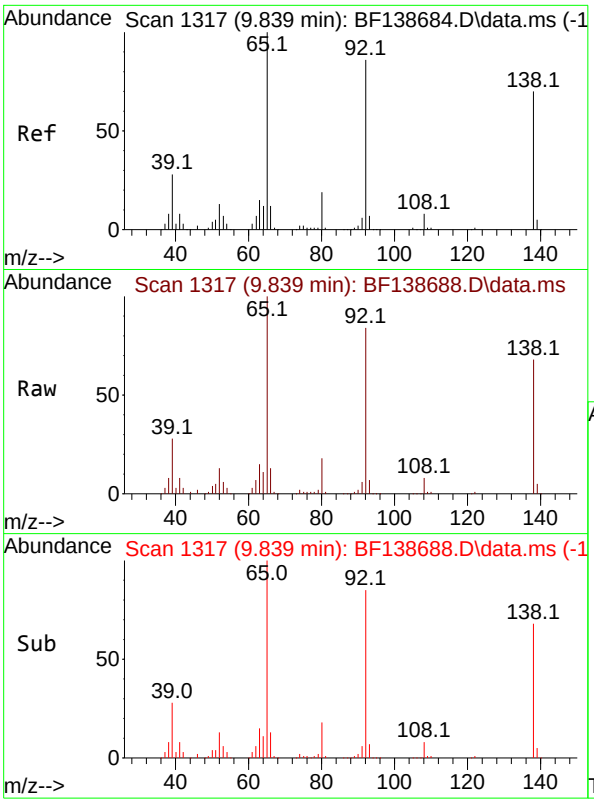


#52
Acenaphthene
Concen: 39.456 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



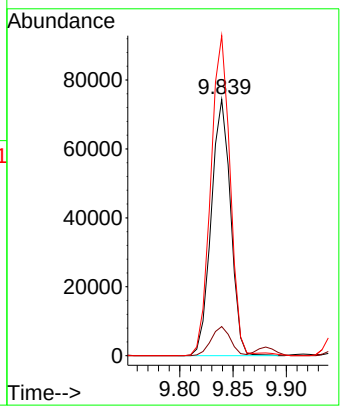


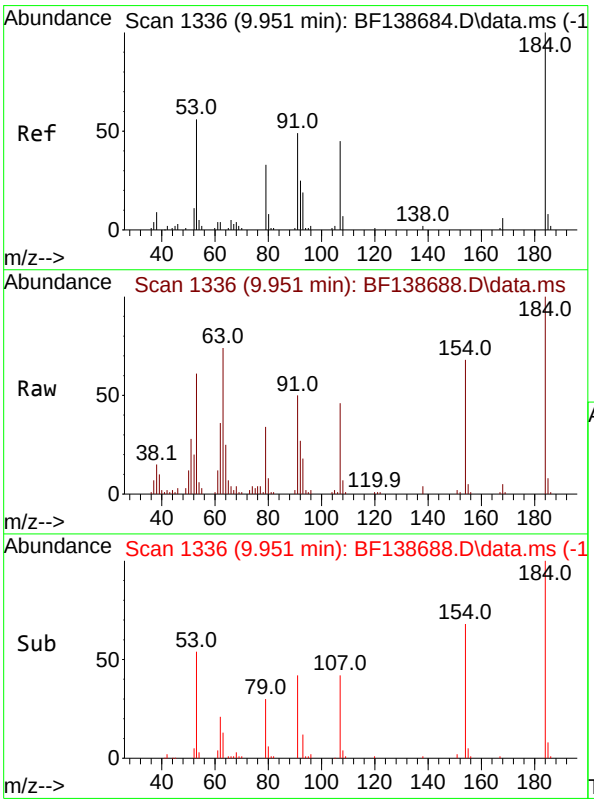
#53
3-Nitroaniline
Concen: 38.306 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

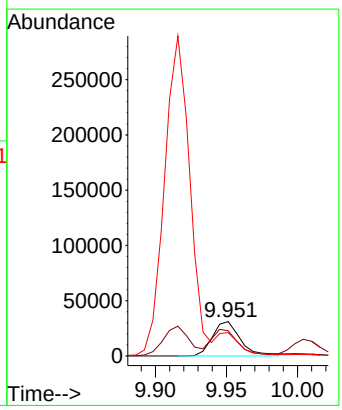


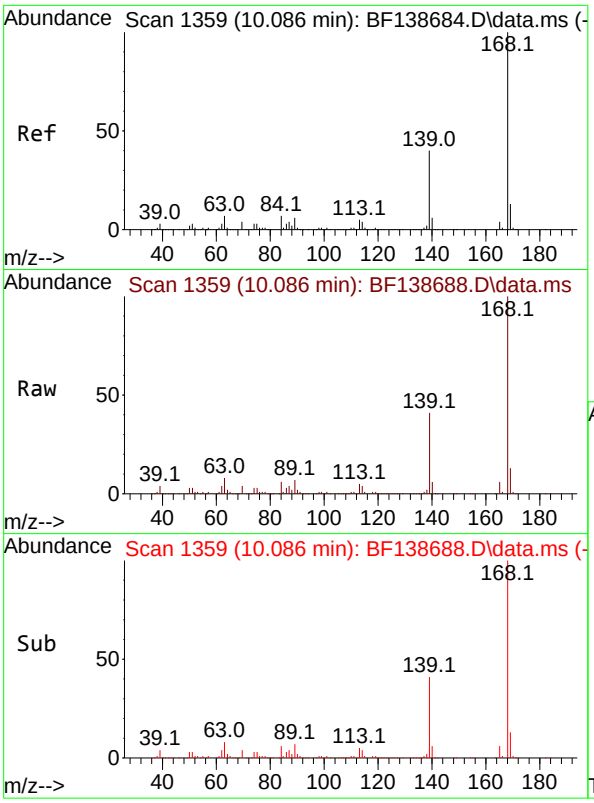


#54
2,4-Dinitrophenol
Concen: 39.106 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



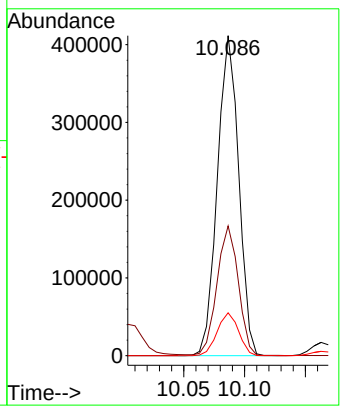


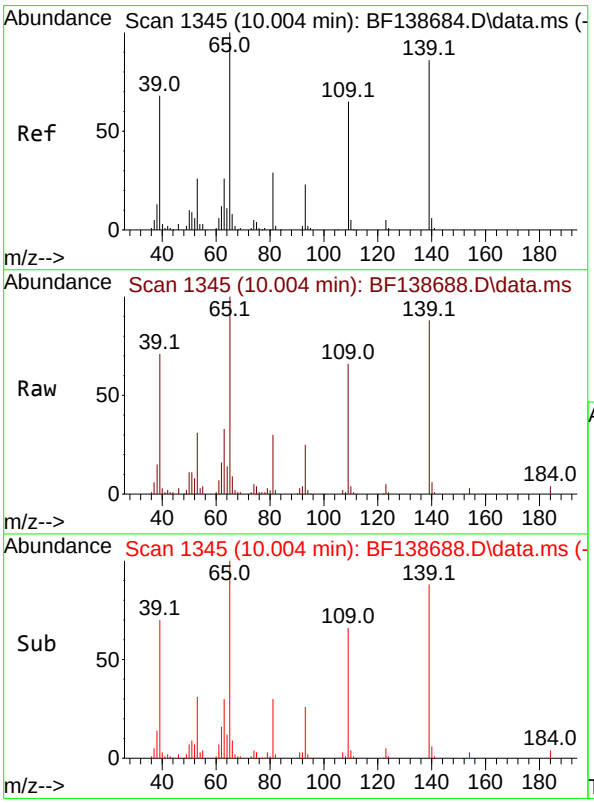
#55
Dibenzofuran
Concen: 38.997 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

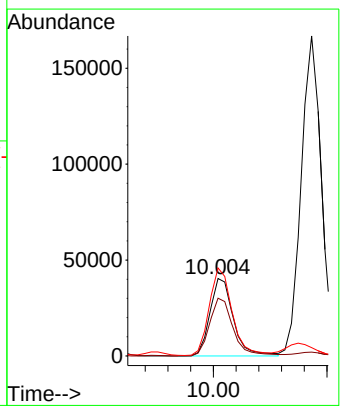


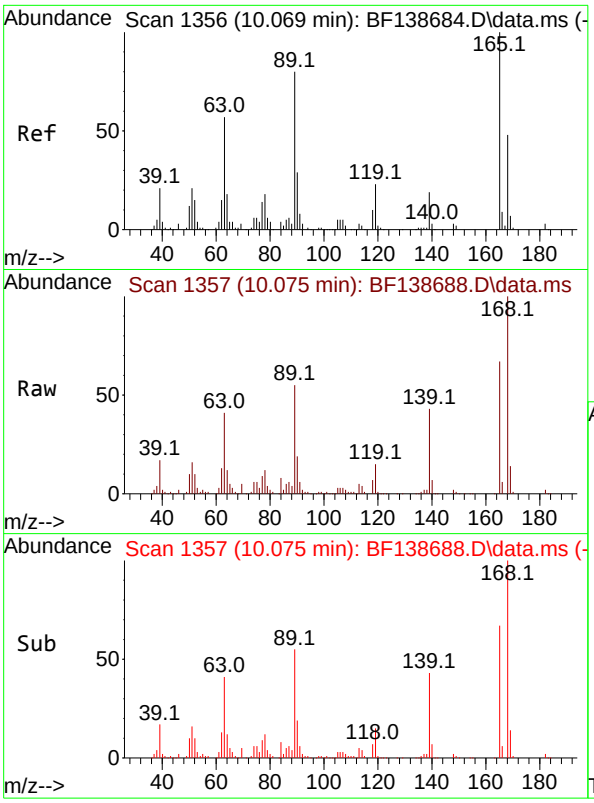


#56
4-Nitrophenol
Concen: 39.336 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



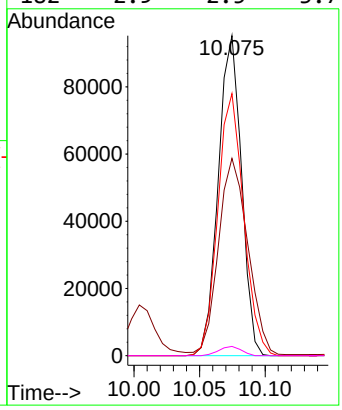


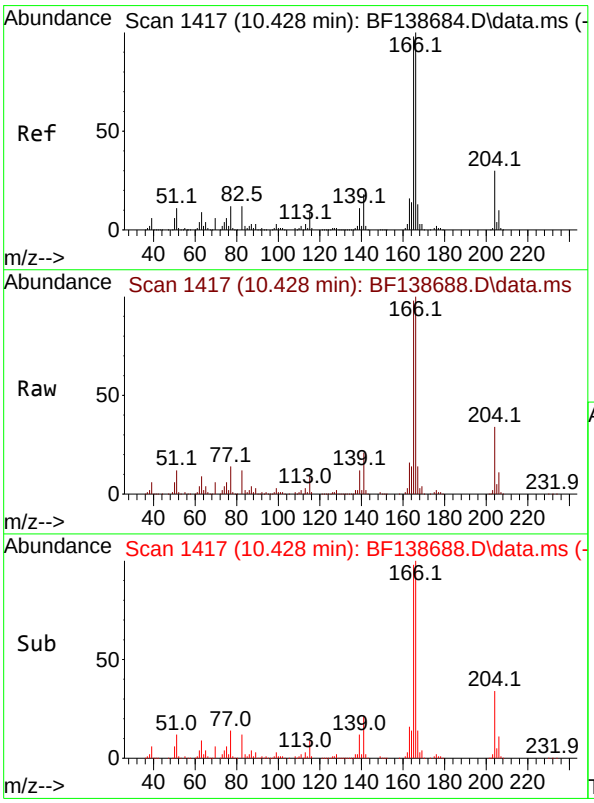
#57
2,4-Dinitrotoluene
Concen: 38.673 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

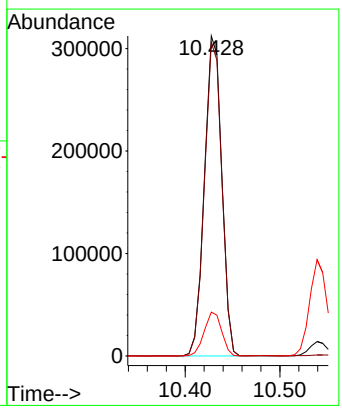


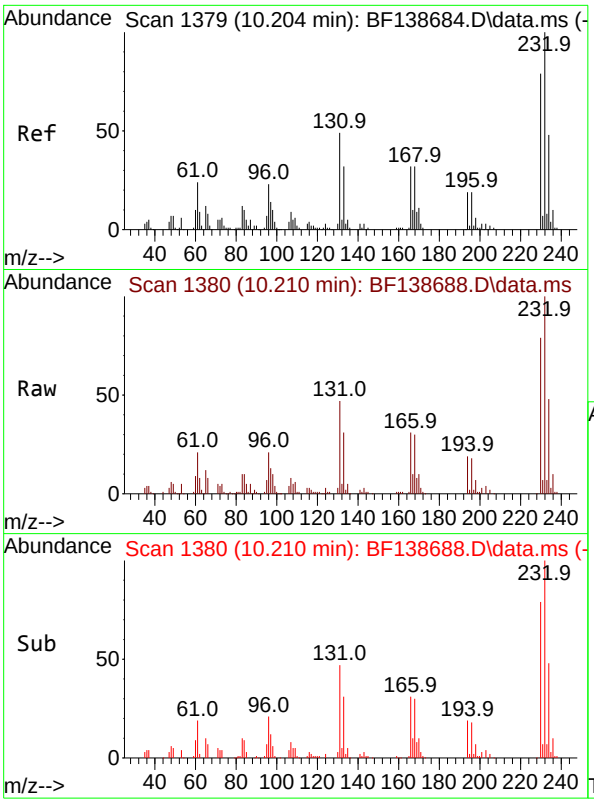


#58
Fluorene
Concen: 38.661 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



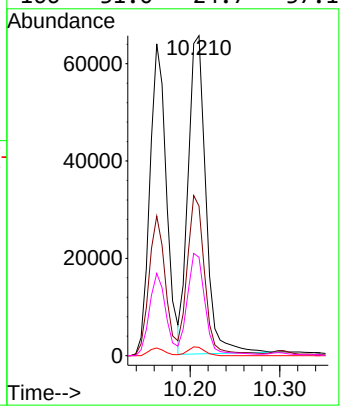


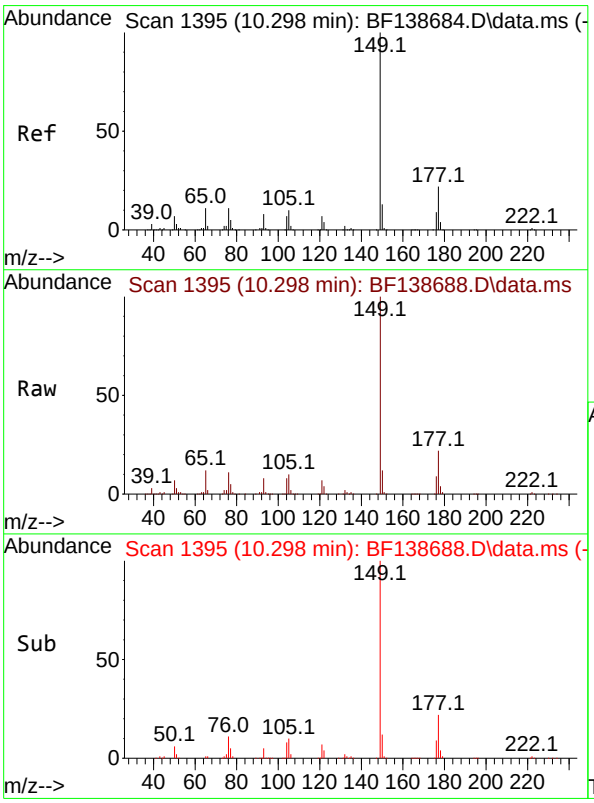
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.680 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

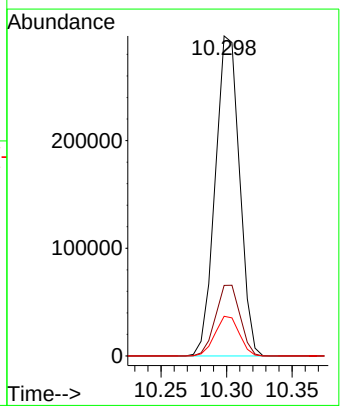


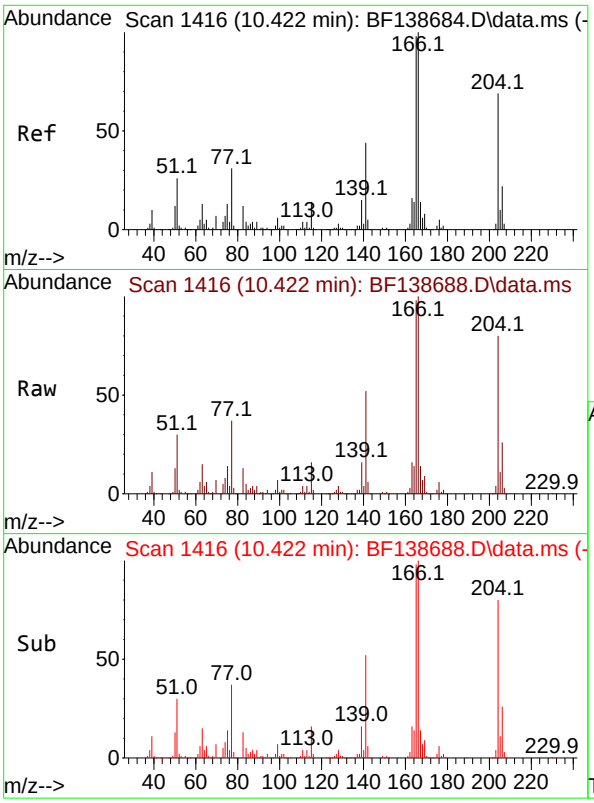


#60
Diethylphthalate
Concen: 38.447 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



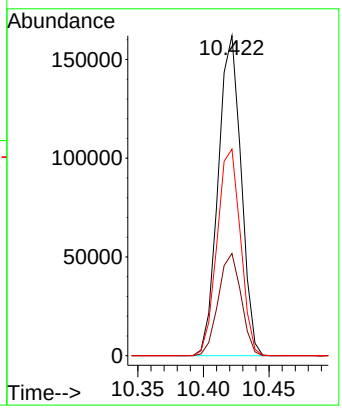


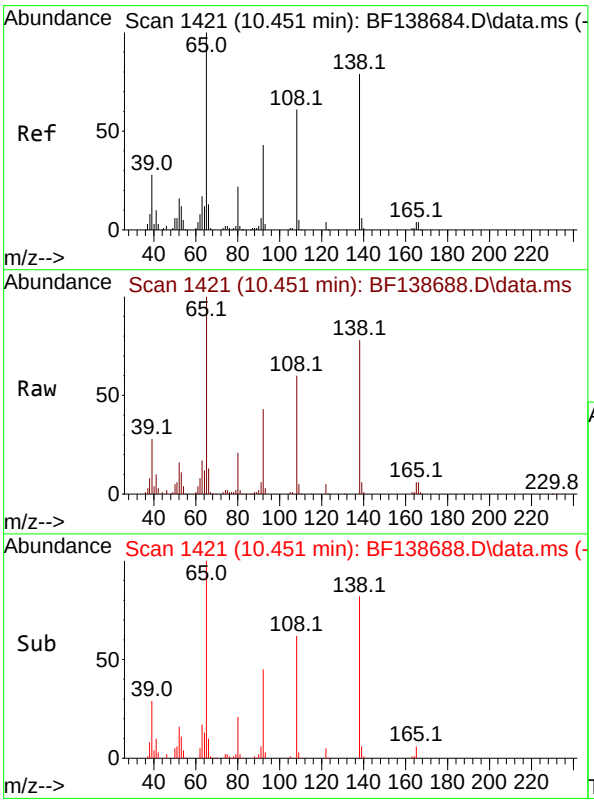
#61
4-Chlorophenyl-phenylether
Concen: 39.091 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

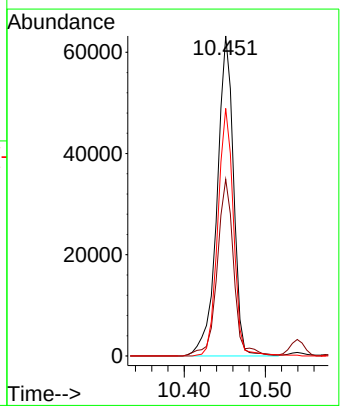


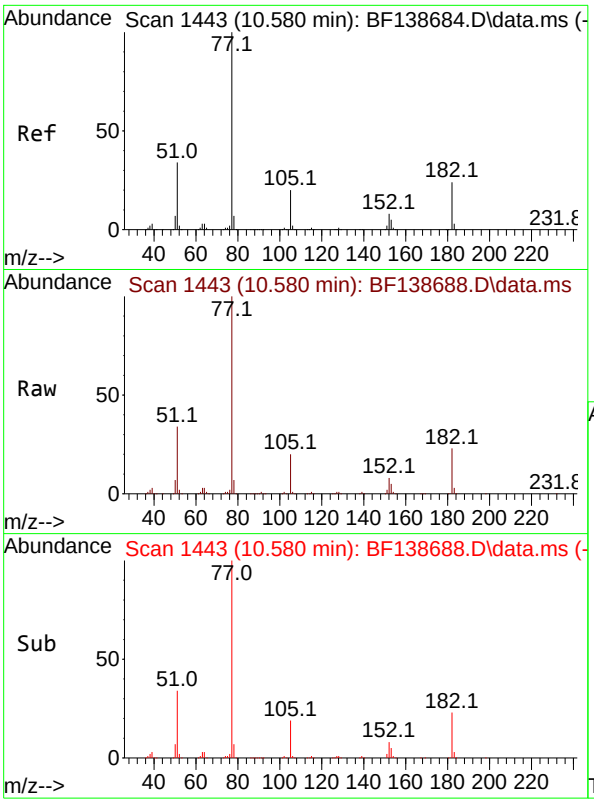


#62
4-Nitroaniline
Concen: 38.525 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



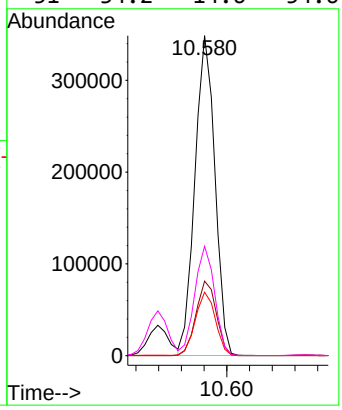


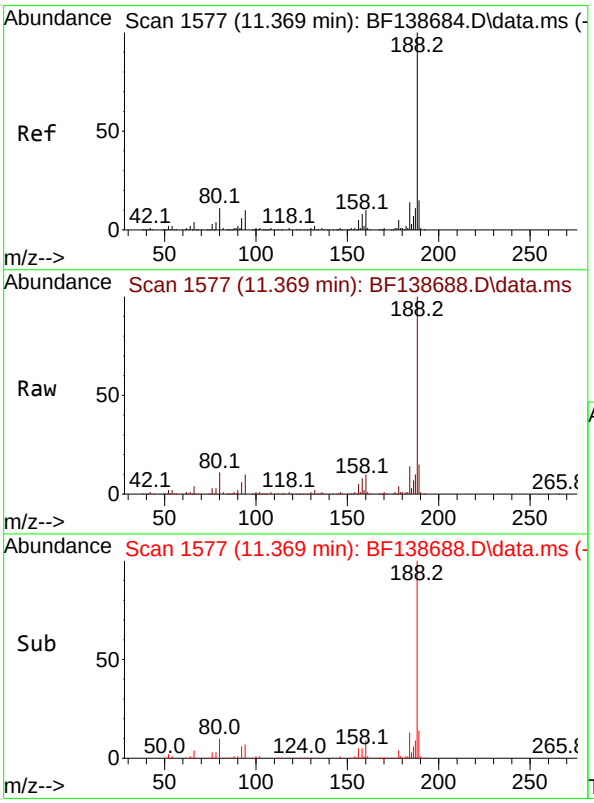
#63
Azobenzene
Concen: 38.622 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

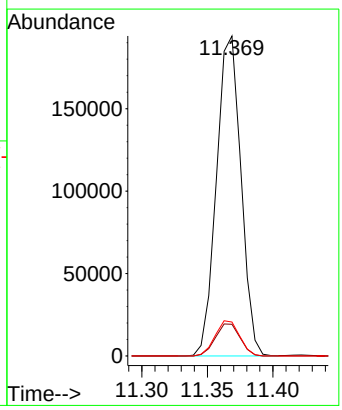


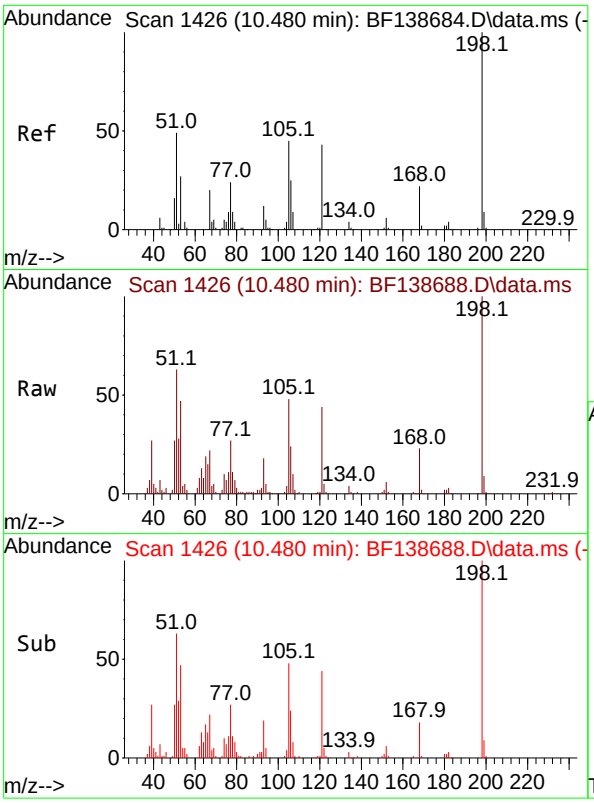


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



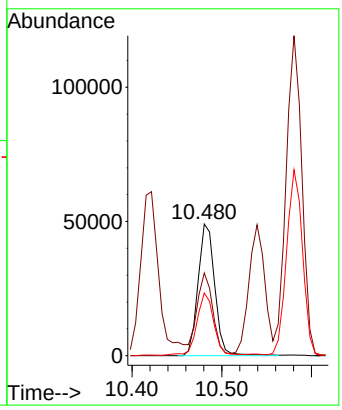


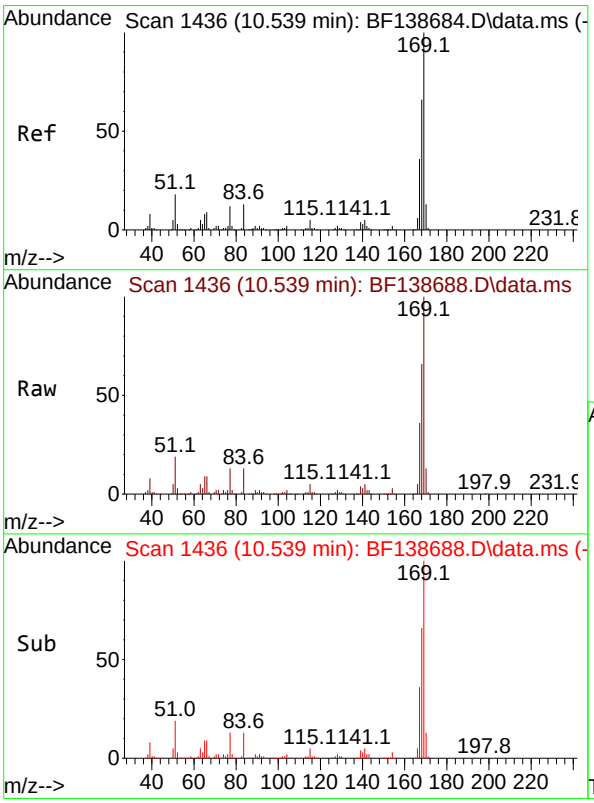
#65
4,6-Dinitro-2-methylphenol
Concen: 41.323 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

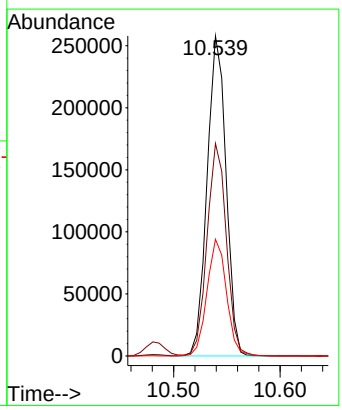


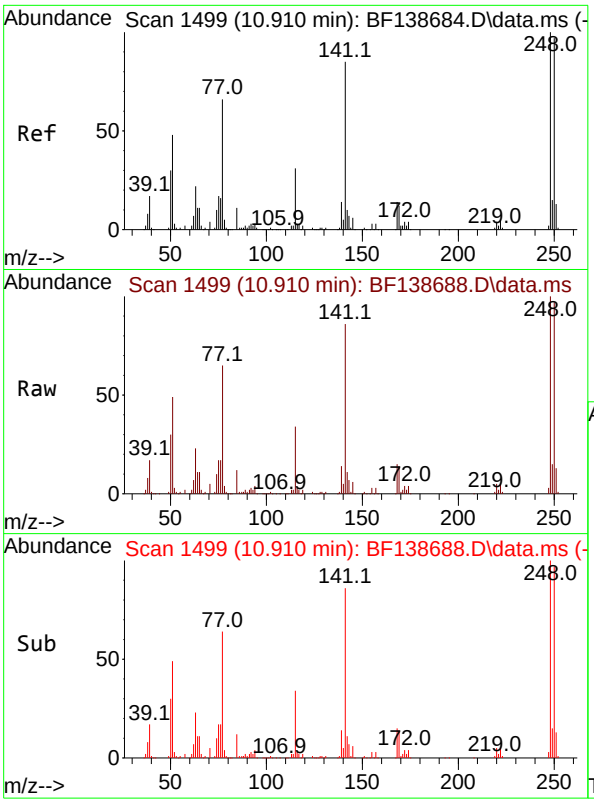


#66
n-Nitrosodiphenylamine
Concen: 40.561 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



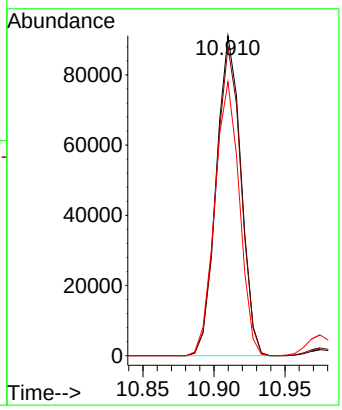


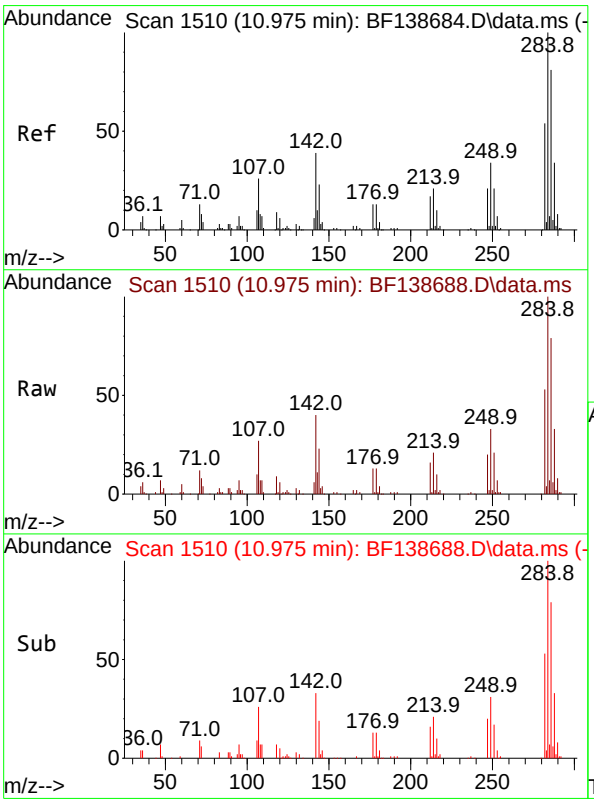
#67
4-Bromophenyl-phenylether
Concen: 40.390 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

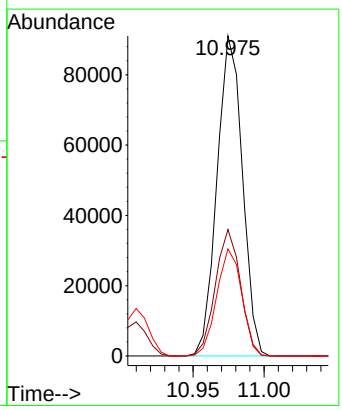


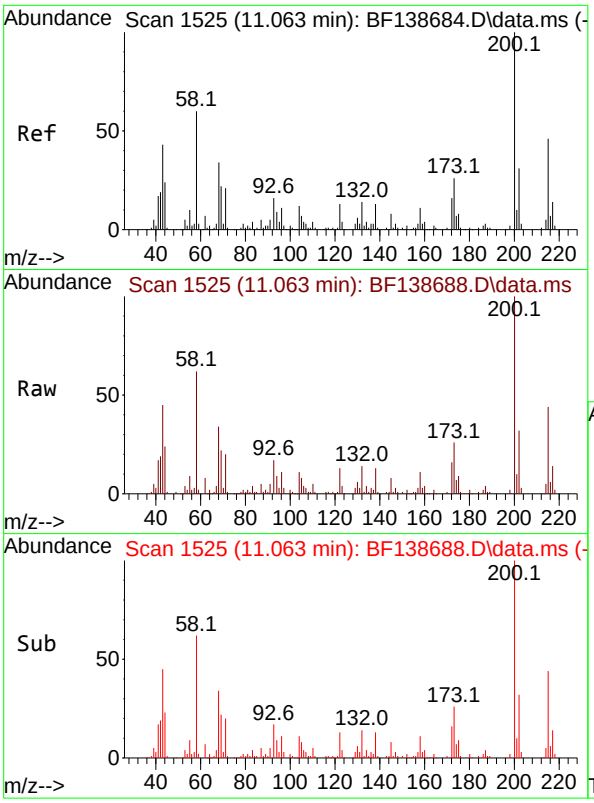


#68
Hexachlorobenzene
Concen: 40.147 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



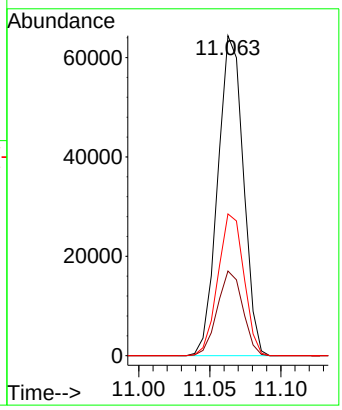


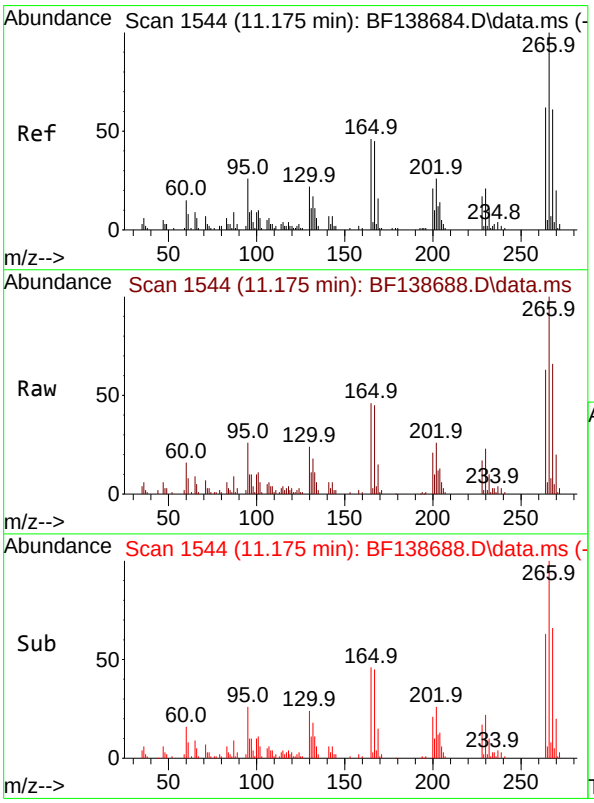
#69
Atrazine
Concen: 39.654 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

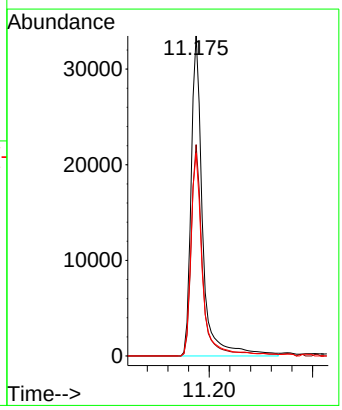


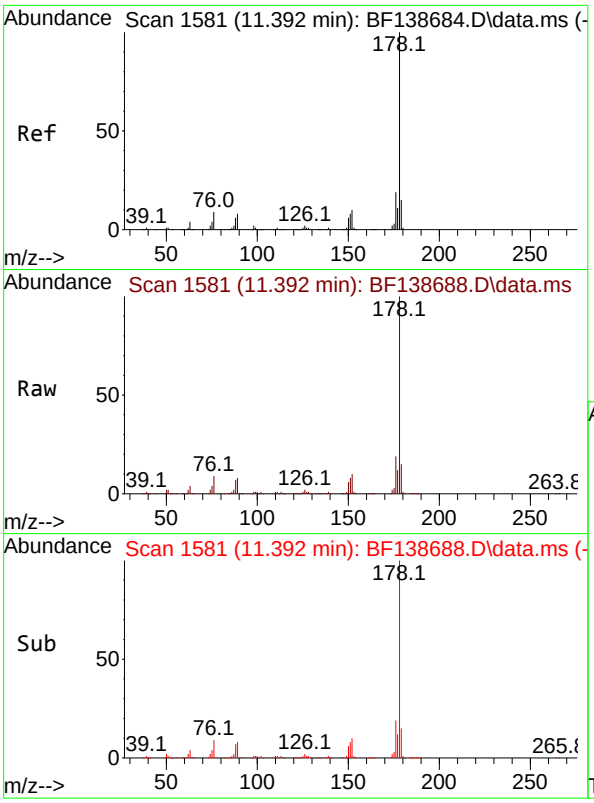


#70
Pentachlorophenol
Concen: 40.788 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



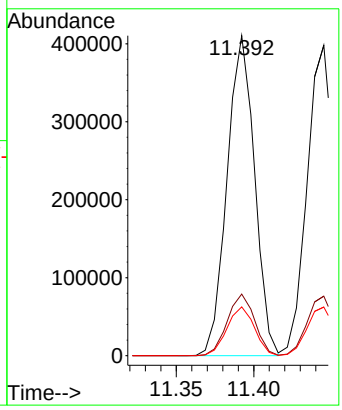


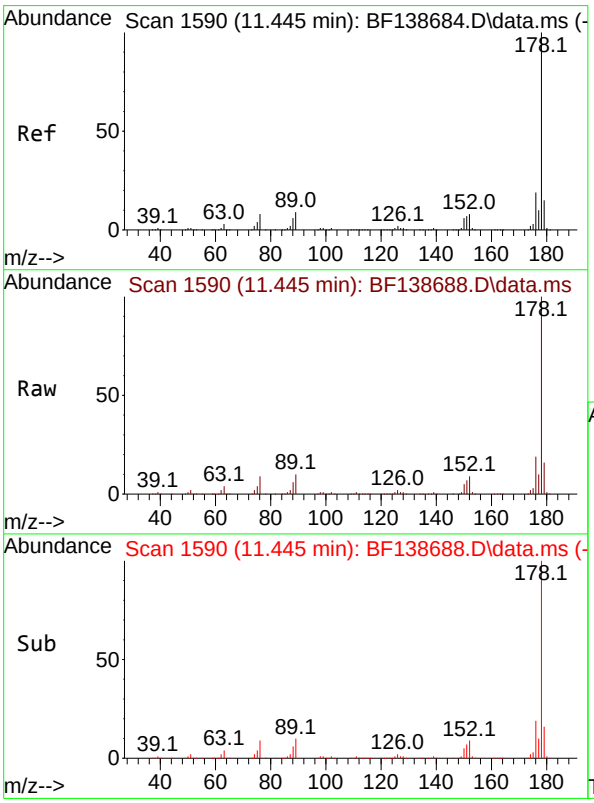
#71
Phenanthrene
Concen: 39.036 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

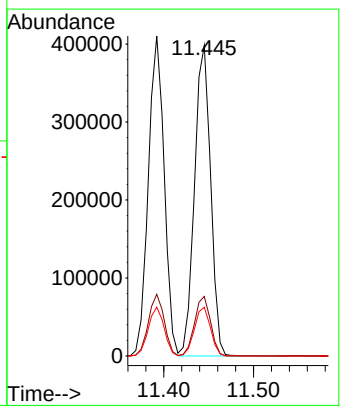


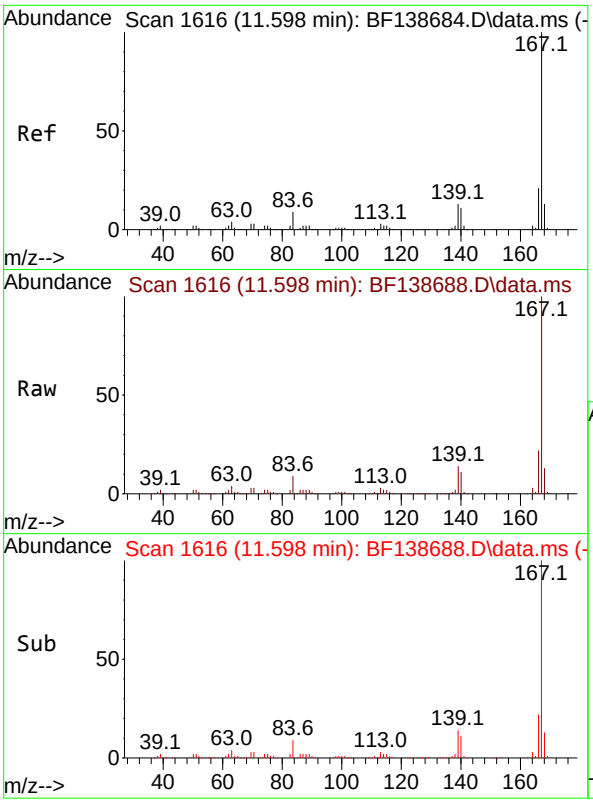


#72
Anthracene
Concen: 38.817 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



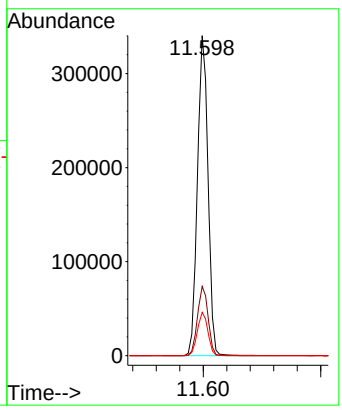


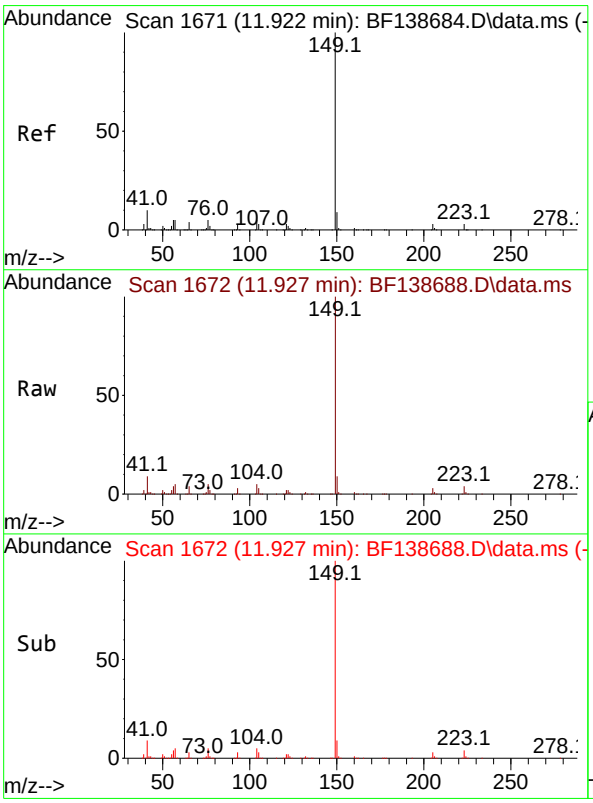
#73
Carbazole
Concen: 38.546 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

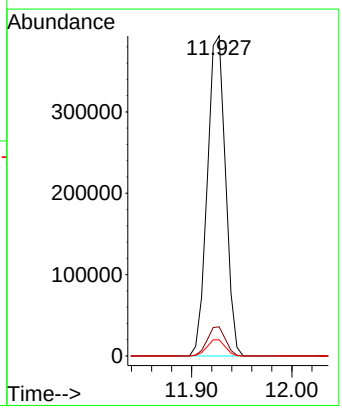


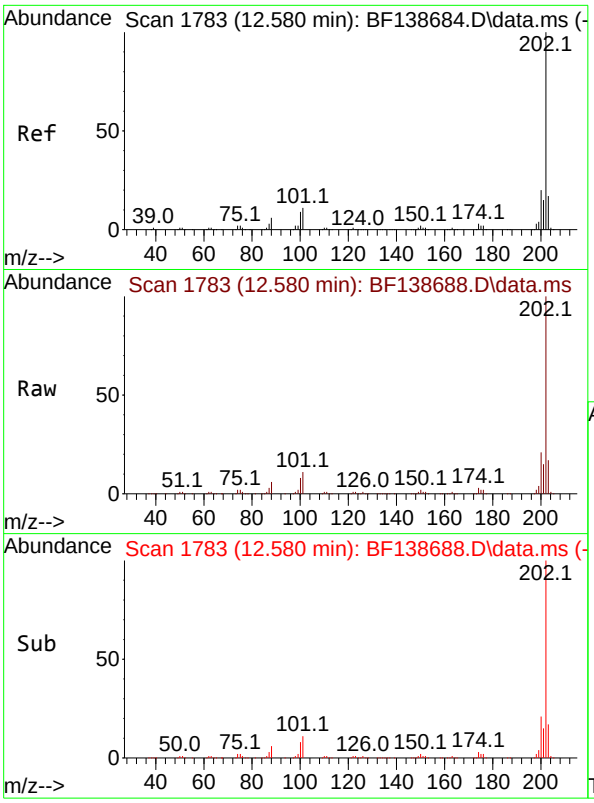


#74
Di-n-butylphthalate
Concen: 40.010 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



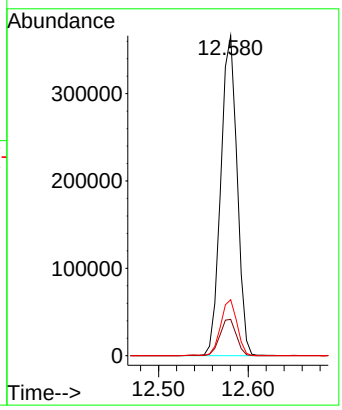


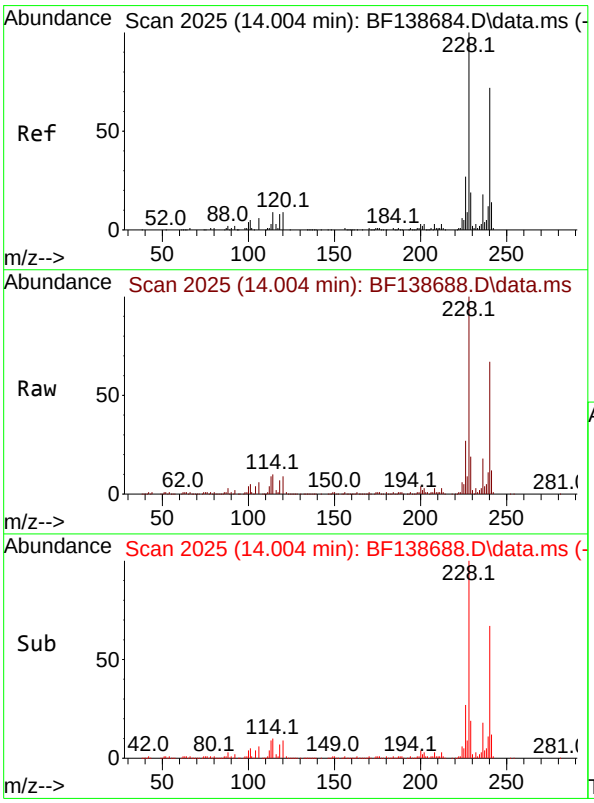
#75
Fluoranthene
Concen: 38.250 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

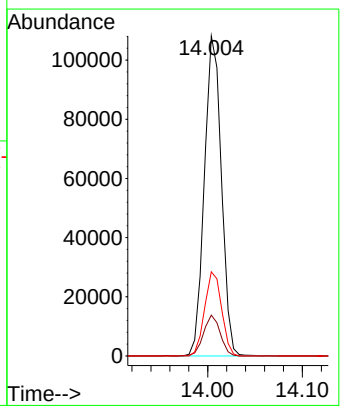


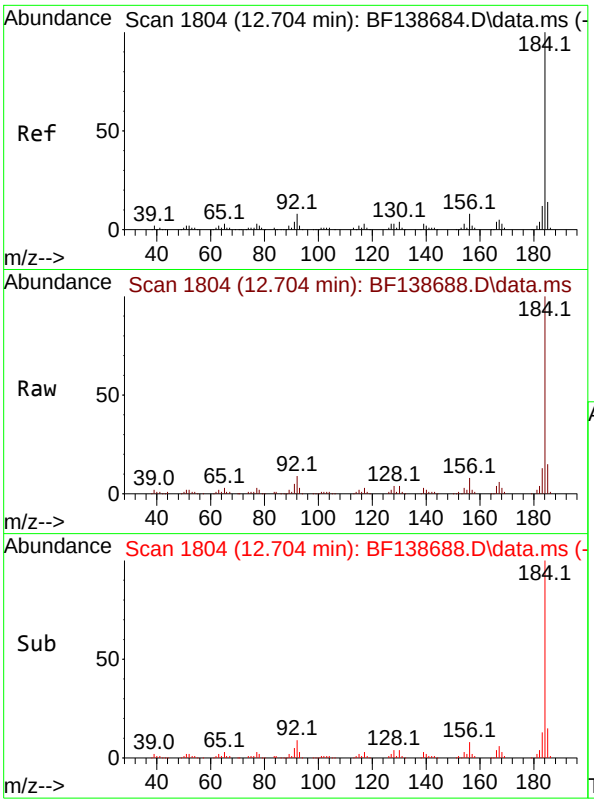


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



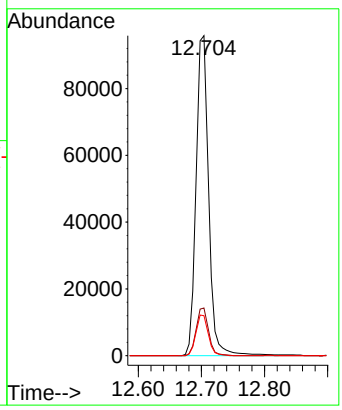


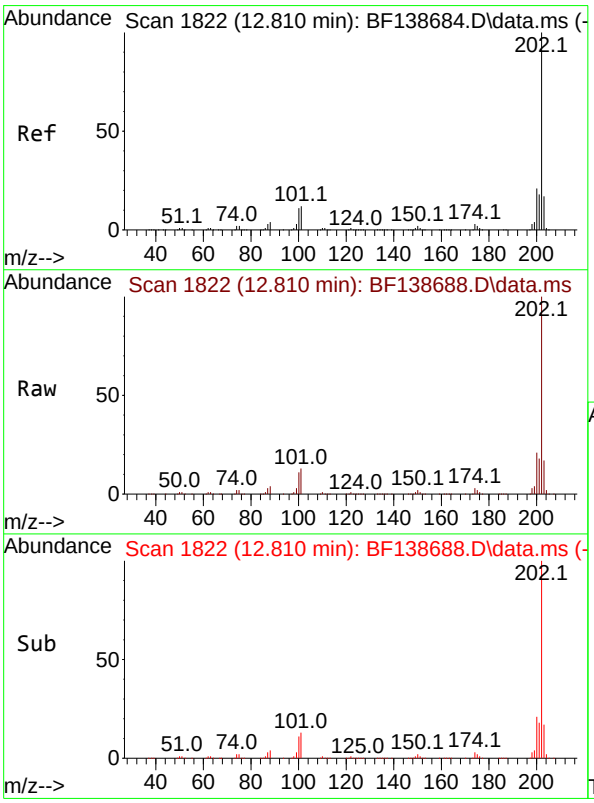
#77
Benzidine
Concen: 41.166 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

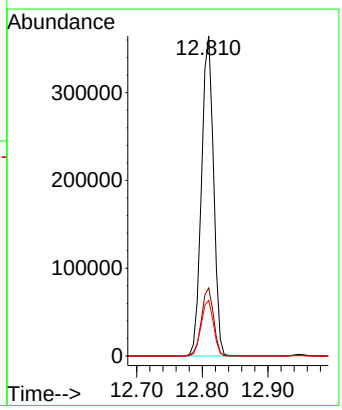


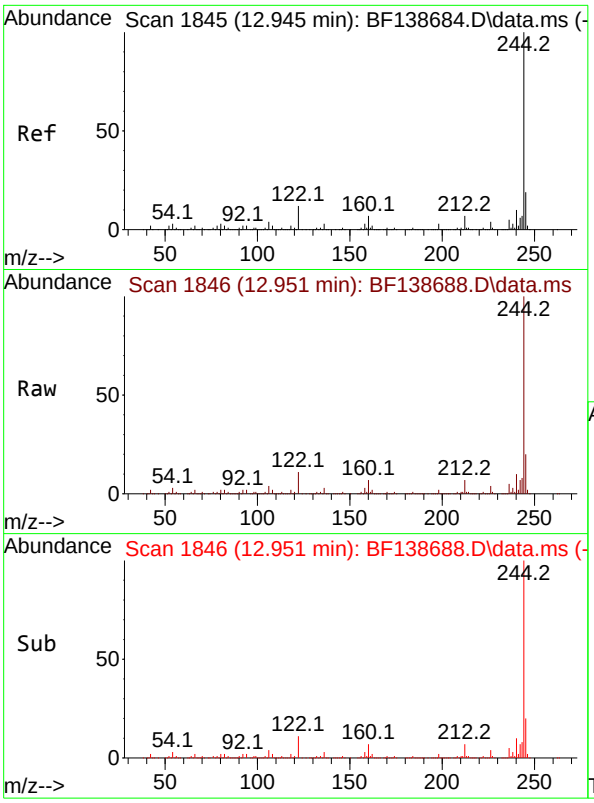


#78
Pyrene
Concen: 36.907 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



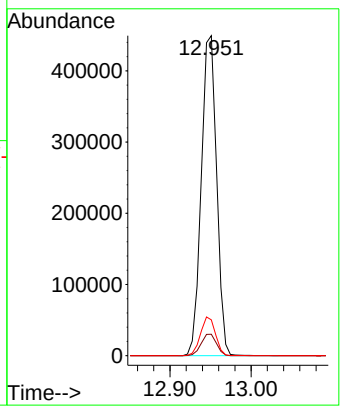


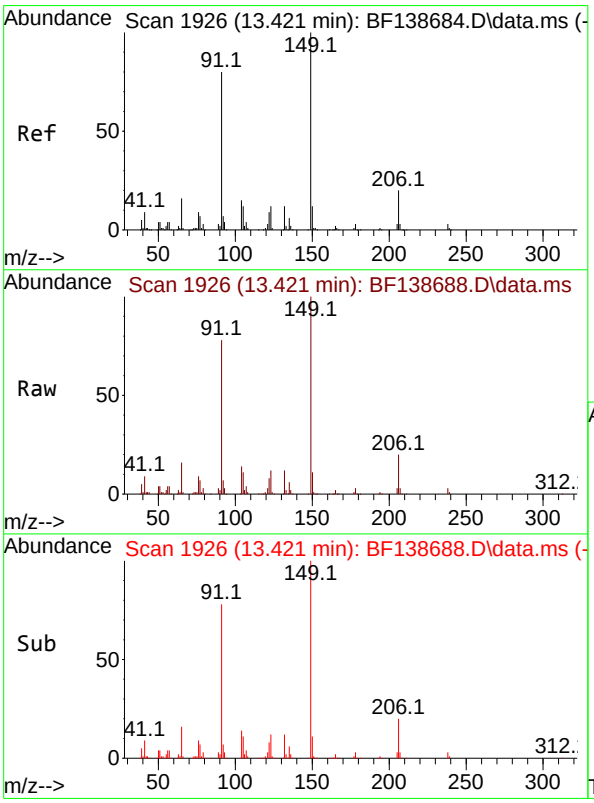
#79
Terphenyl-d14
Concen: 73.396 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

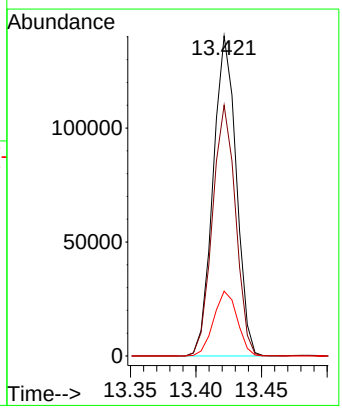


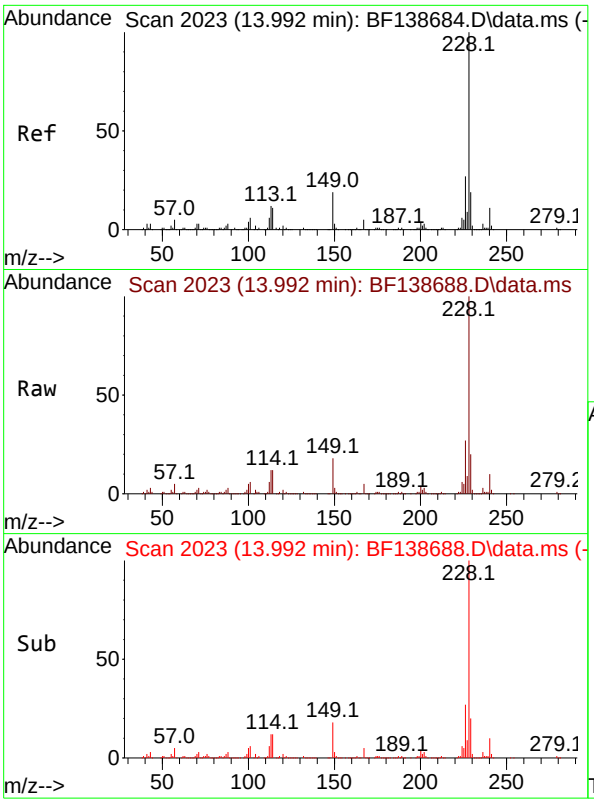


#80
Butylbenzylphthalate
Concen: 42.425 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



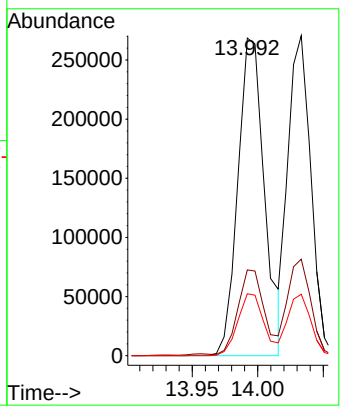


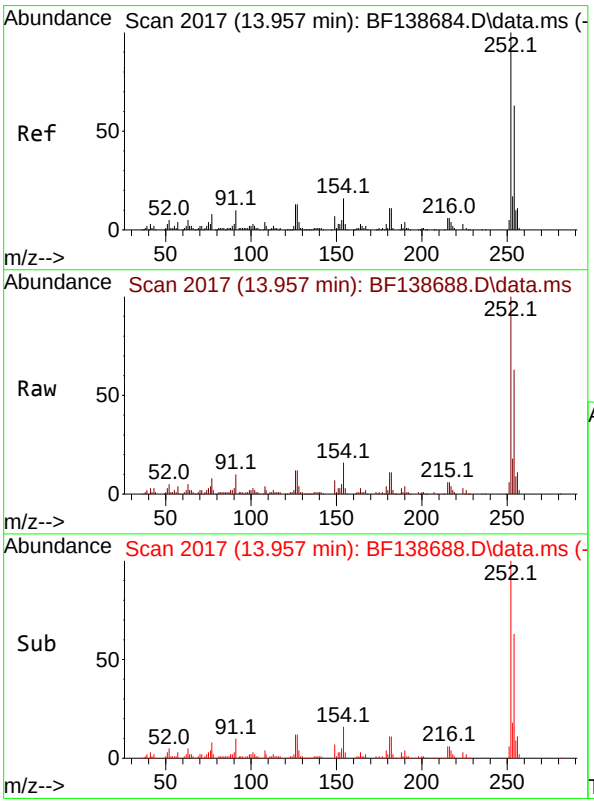
#81
Benzo(a)anthracene
Concen: 40.994 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

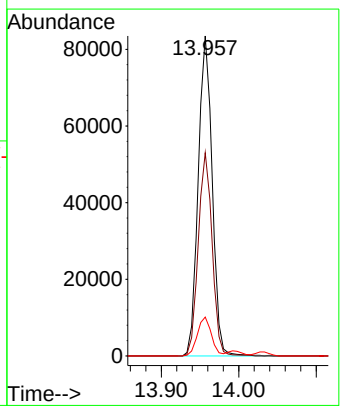


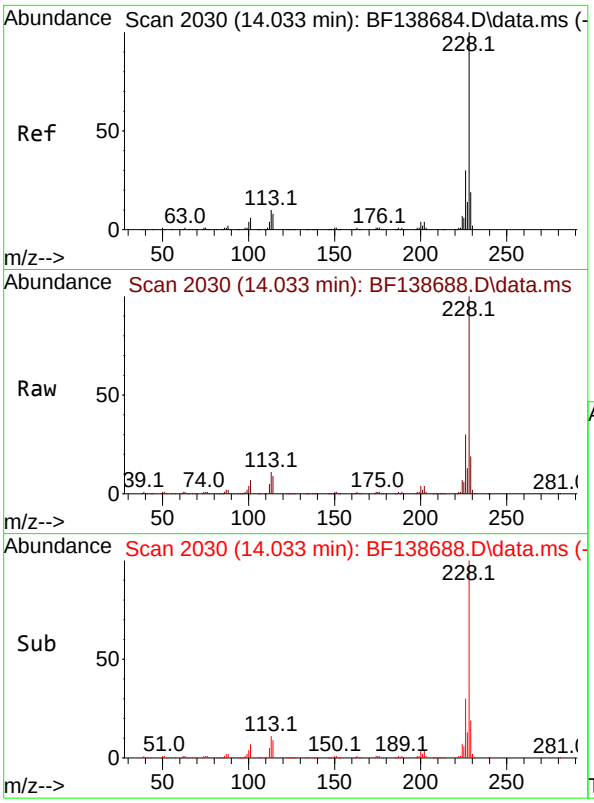


#82
3,3'-Dichlorobenzidine
Concen: 44.160 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



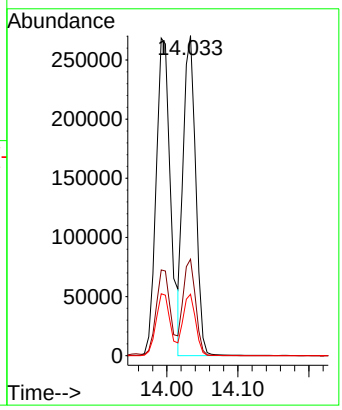


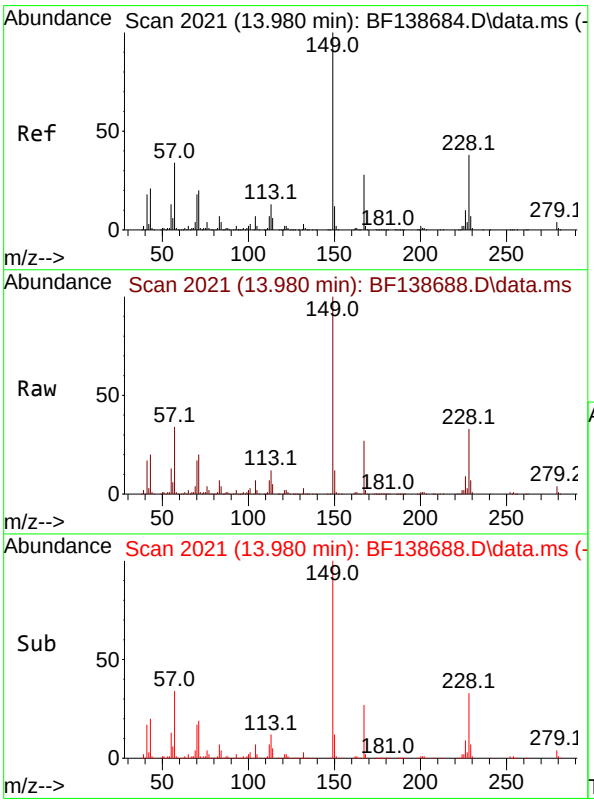
#83
Chrysene
Concen: 39.308 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

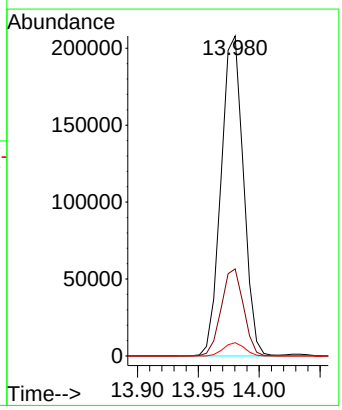


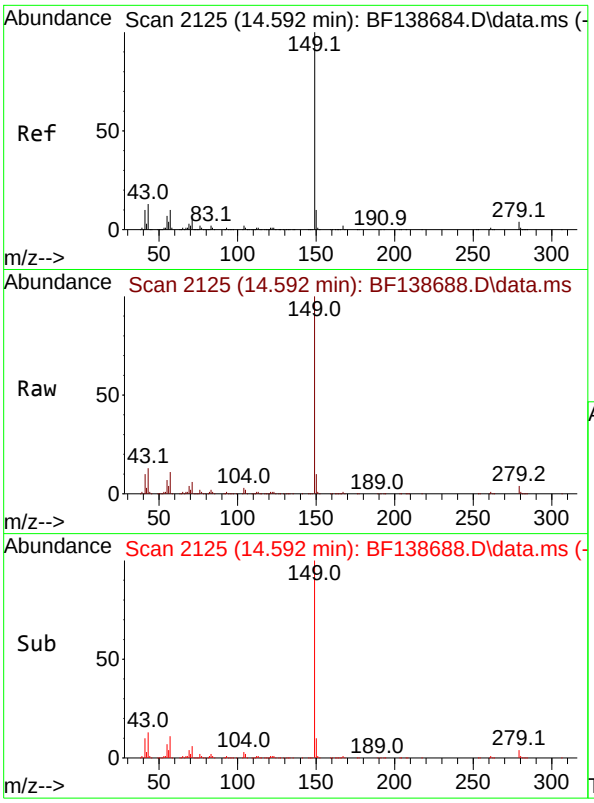


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.921 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



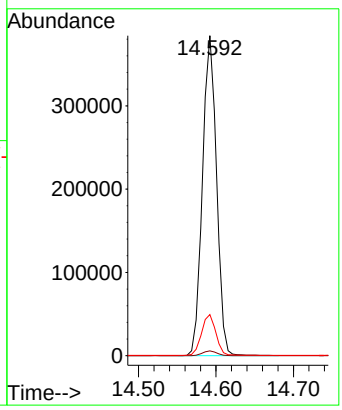


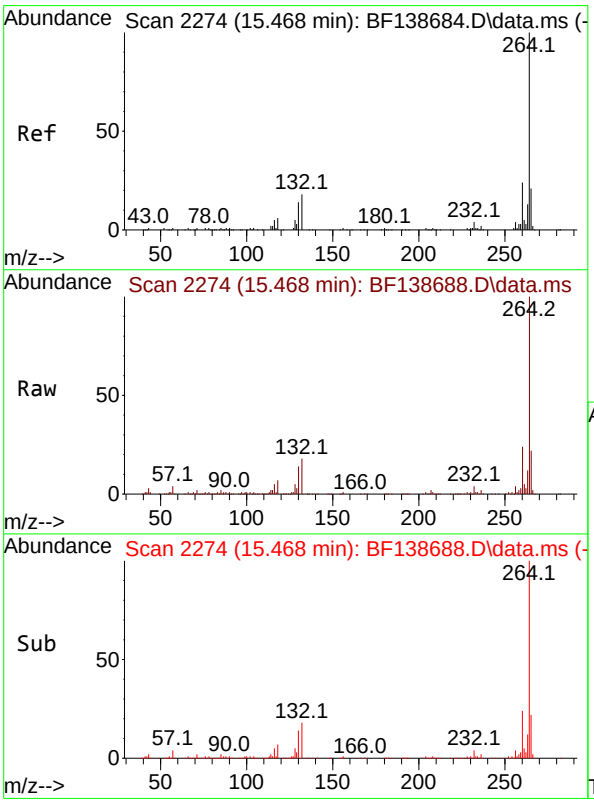
#85
Di-n-octyl phthalate
Concen: 44.183 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

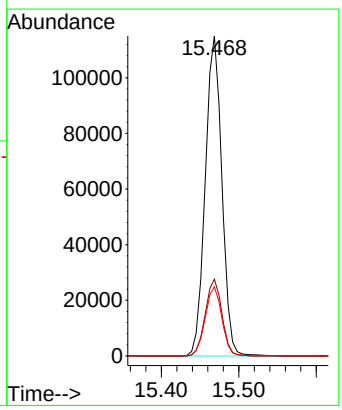


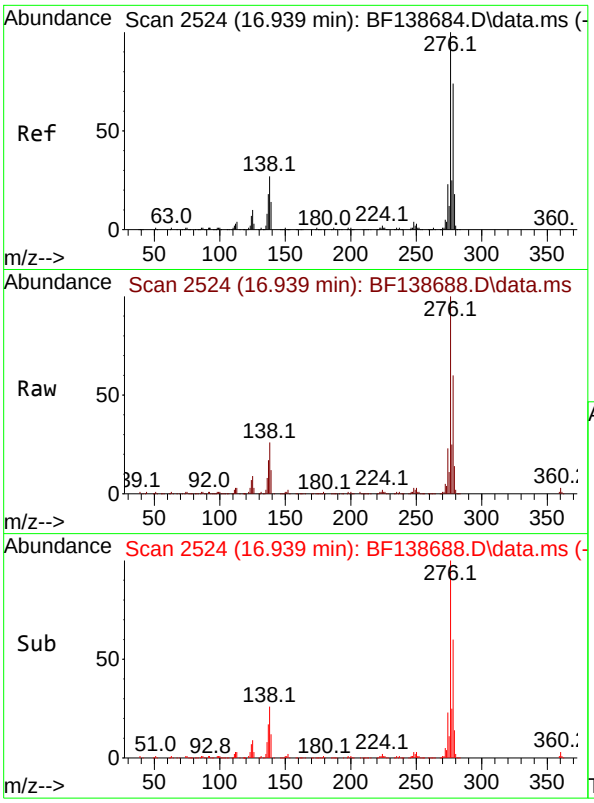


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



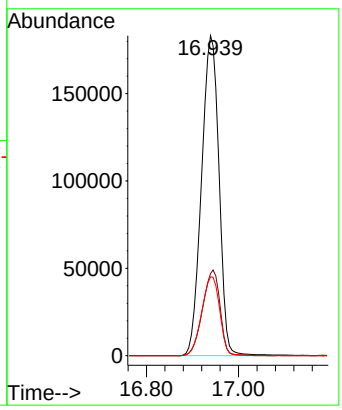


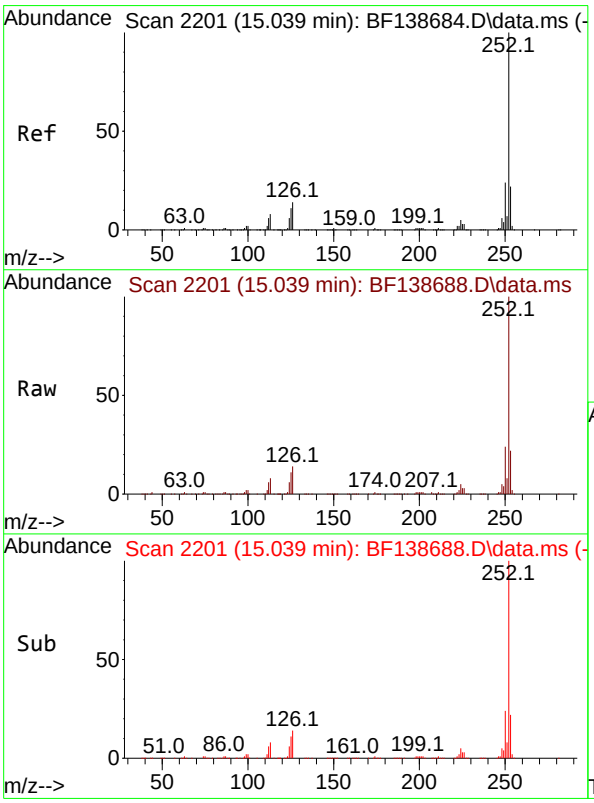
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.463 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

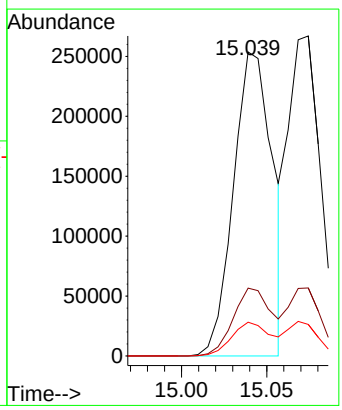


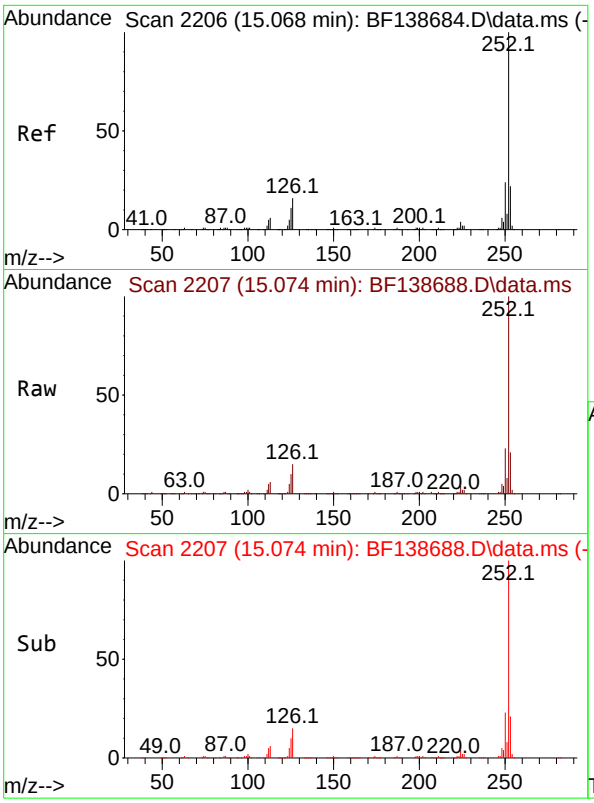


#88
Benzo(b)fluoranthene
Concen: 38.172 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



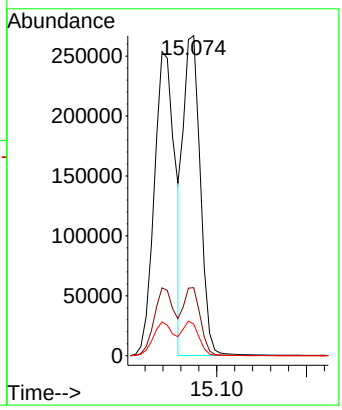


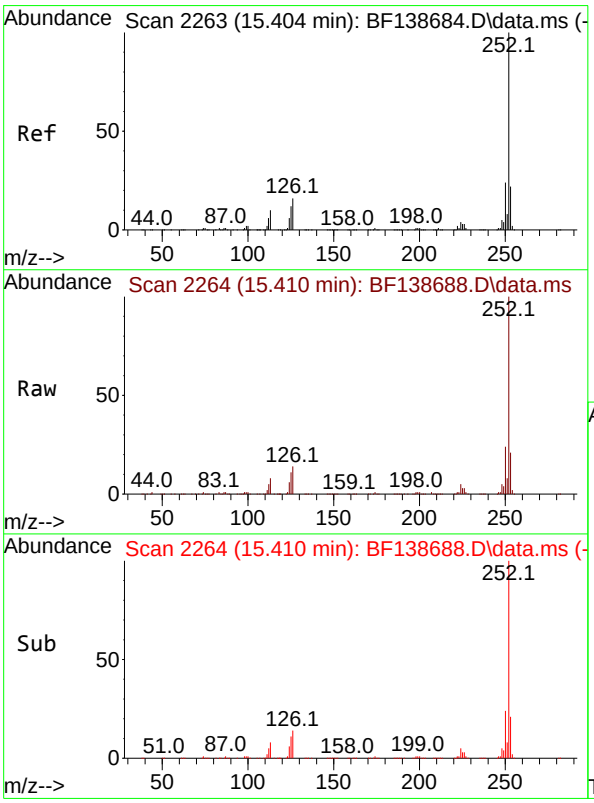
#89
Benzo(k)fluoranthene
Concen: 38.430 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

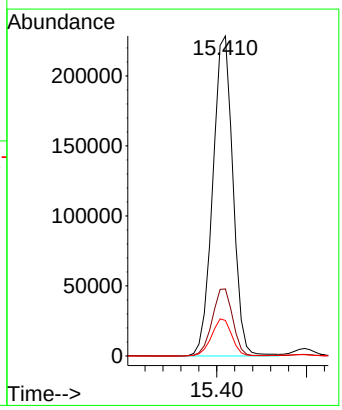


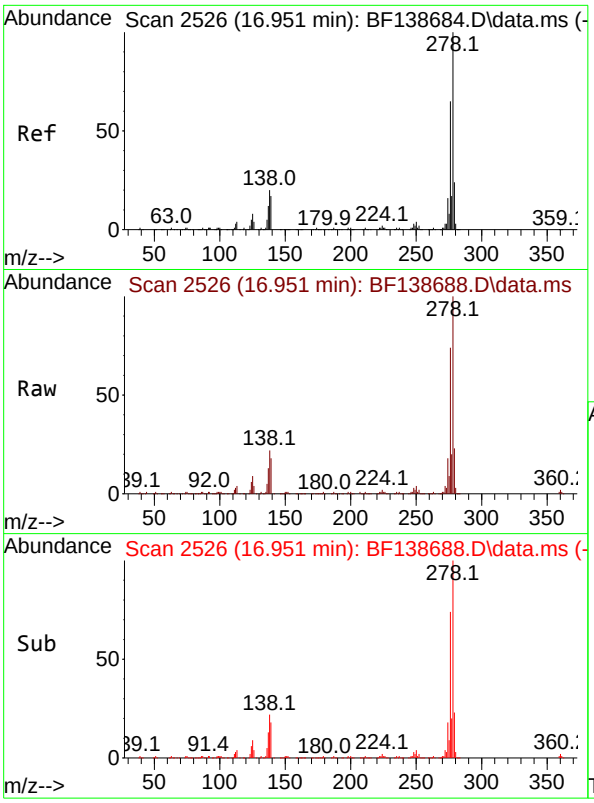


#90
Benzo(a)pyrene
Concen: 39.920 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



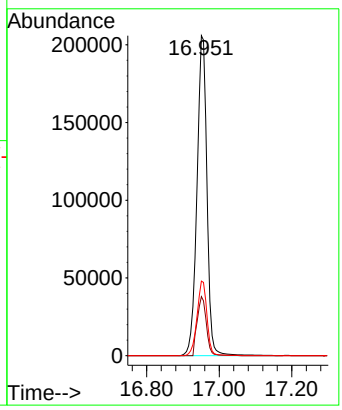


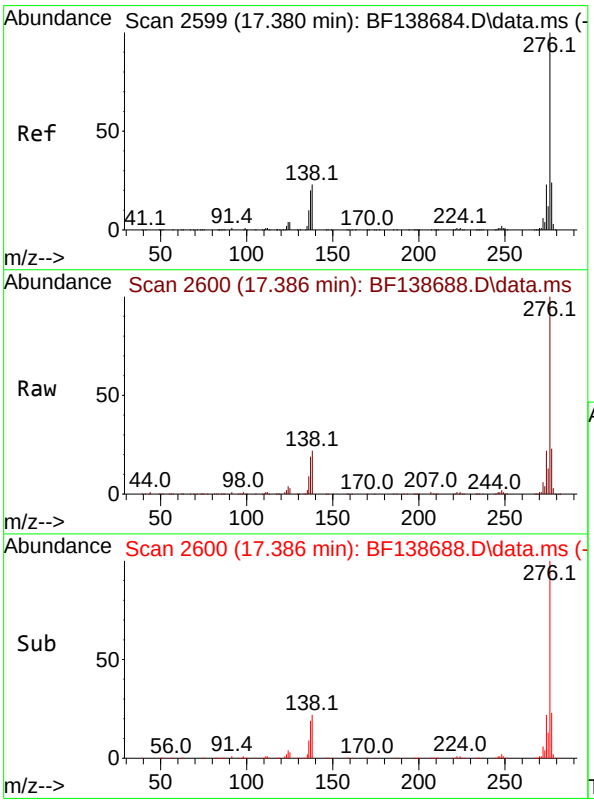
#91
Dibenzo(a,h)anthracene
Concen: 39.089 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

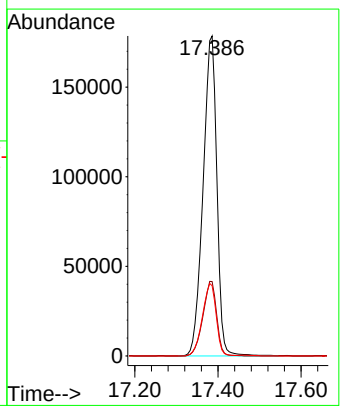




#92
Benzo(g,h,i)perylene
Concen: 39.457 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



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

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.505	1.2	112	0.00
49		Acenaphthylene	40.000	39.504	1.2	111	0.00
50		Dimethylphthalate	40.000	38.458	3.9	112	0.00
51		2,6-Dinitrotoluene	40.000	39.895	0.3	112	0.00
52	C	Acenaphthene	40.000	39.456	1.4	113	0.00
53		3-Nitroaniline	40.000	38.306	4.2	111	0.00
54	P	2,4-Dinitrophenol	40.000	39.106	2.2	114	0.00
55		Dibenzofuran	40.000	38.997	2.5	113	0.00
56	P	4-Nitrophenol	40.000	39.336	1.7	113	0.00
57		2,4-Dinitrotoluene	40.000	38.673	3.3	110	0.00
58		Fluorene	40.000	38.661	3.3	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.680	3.3	112	0.00
60		Diethylphthalate	40.000	38.447	3.9	113	0.00
61		4-Chlorophenyl-phenylether	40.000	39.091	2.3	114	0.00
62		4-Nitroaniline	40.000	38.525	3.7	112	0.00
63		Azobenzene	40.000	38.622	3.4	112	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.323	-3.3	112	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.561	-1.4	111	0.00
67		4-Bromophenyl-phenylether	40.000	40.390	-1.0	112	0.00
68		Hexachlorobenzene	40.000	40.147	-0.4	113	0.00
69		Atrazine	40.000	39.654	0.9	109	0.00
70	C	Pentachlorophenol	40.000	40.788	-2.0	111	0.00
71		Phenanthrene	40.000	39.036	2.4	109	0.00
72		Anthracene	40.000	38.817	3.0	109	0.00
73		Carbazole	40.000	38.546	3.6	107	0.00
74		Di-n-butylphthalate	40.000	40.010	-0.0	110	0.00
75	C	Fluoranthene	40.000	38.250	4.4	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	41.166	-2.9	98	0.00
78		Pyrene	40.000	36.907	7.7	106	0.00
79	S	Terphenyl-d14	80.000	73.396	8.3	106	0.00
80		Butylbenzylphthalate	40.000	42.425	-6.1	109	0.00
81		Benzo(a)anthracene	40.000	40.994	-2.5	108	0.00
82		3,3'-Dichlorobenzidine	40.000	44.160	-10.4	116	0.00
83		Chrysene	40.000	39.308	1.7	107	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.921	-12.3	112	0.00
85	c	Di-n-octyl phthalate	40.000	44.183	-10.5	111	0.00
86	I	Perylene-d12	20.000	20.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.463	1.3	114	0.00
88		Benzo(b)fluoranthene	40.000	38.172	4.6	109	0.00
89		Benzo(k)fluoranthene	40.000	38.430	3.9	116	0.00
90	C	Benzo(a)pyrene	40.000	39.920	0.2	115	0.00
91		Dibenzo(a,h)anthracene	40.000	39.089	2.3	115	0.00
92		Benzo(g,h,i)perylene	40.000	39.457	1.4	113	0.00

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.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/07/2024 11:00

Lab File ID: BF138834.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
Pyridine	1.374	1.257		-8.5	
2-Fluorophenol	1.296	1.272		-1.9	
Benzaldehyde	1.043	0.918		-12.0	
Phenol-d6	1.740	1.684		-3.2	
2-Methylphenol	1.126	1.110		-1.4	
3+4-Methylphenols	1.444	1.468		1.7	
Nitrobenzene-d5	0.409	0.418		2.2	
Hexachloroethane	0.580	0.594		2.4	
Nitrobenzene	0.416	0.412		-1.0	
Naphthalene	1.053	1.058		0.5	
Hexachlorobutadiene	0.192	0.203		5.7	20.0
2-Methylnaphthalene	0.665	0.683		2.7	
2,4,6-Trichlorophenol	0.339	0.343		1.2	20.0
2-Fluorobiphenyl	1.331	1.404		5.5	
2,4,5-Trichlorophenol	0.370	0.377		1.9	
Acenaphthylene	1.652	1.655		0.2	
Acenaphthene	1.111	1.115		0.4	20.0
Dibenzofuran	1.568	1.609		2.6	
2,4-Dinitrotoluene	0.368	0.397		7.9	
Fluorene	1.249	1.312		5.0	
2,4,6-Tribromophenol	0.164	0.177		7.9	
Hexachlorobenzene	0.224	0.234		4.5	
Pentachlorophenol	0.101	0.127		25.7	20.0
Phenanthrene	1.030	1.044		1.4	
Anthracene	1.015	1.049		3.3	
Carbazole	0.875	0.887		1.4	
Di-n-butylphthalate	0.984	1.093		11.1	
Fluoranthene	0.961	0.977		1.7	20.0
Pyrene	1.883	2.155		14.4	
Terphenyl-d14	1.195	1.339		12.1	
Benzo(a)anthracene	1.377	1.344		-2.4	
Chrysene	1.243	1.252		0.7	
Bis(2-ethylhexyl)phthalate	0.883	0.798		-9.6	
Benzo(b)fluoranthene	1.240	1.150		-7.3	
Benzo(k)fluoranthene	1.073	1.165		8.6	
Benzo(a)pyrene	1.043	1.056		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.414		-1.3	
Dibenzo(a,h)anthracene	1.177	1.165		-1.0	
Benzo(g,h,i)perylene	1.221	1.171		-4.1	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/07/2024 11:00

Lab File ID: BF138834.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
1,4-Dioxane	0.567	0.514		-9.3	20.0
1-Methylnaphthalene	0.652	0.670		2.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.840	152	53283	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	211206	20.000	ng		0.00
39) Acenaphthene-d10	9.881	164	116265	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	196393	20.000	ng		0.00
76) Chrysene-d12	14.004	240	90664	20.000	ng	#	0.00
86) Perylene-d12	15.463	264	98369	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	271192	78.567	ng		0.00
7) Phenol-d6	6.487	99	358863	77.436	ng		0.00
23) Nitrobenzene-d5	7.410	82	353320	81.789	ng		0.00
42) 2,4,6-Tribromophenol	10.669	330	82303	86.419	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	652974	84.384	ng		0.00
79) Terphenyl-d14	12.945	244	485722	89.697	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	54728	36.215	ng		98
3) Pyridine	3.352	79	133982	36.599	ng		96
4) n-Nitrosodimethylamine	3.316	42	87986	40.355	ng		90
6) Aniline	6.510	93	160393	38.808	ng	#	71
8) 2-Chlorophenol	6.634	128	146600	40.368	ng		98
9) Benzaldehyde	6.398	77	97780	35.197	ng		99
10) Phenol	6.504	94	189069	38.748	ng		81
11) bis(2-Chloroethyl)ether	6.581	93	138480	36.880	ng		99
12) 1,3-Dichlorobenzene	6.781	146	162912	40.075	ng		99
13) 1,4-Dichlorobenzene	6.857	146	163152	39.769	ng		98
14) 1,2-Dichlorobenzene	7.016	146	155794	40.634	ng		100
15) Benzyl Alcohol	6.992	79	138988	41.611	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	223108	34.526	ng		66
17) 2-Methylphenol	7.104	107	118323	39.457	ng		95
18) Hexachloroethane	7.351	117	63333	41.012	ng		99
19) n-Nitroso-di-n-propyla...	7.263	70	111841	39.957	ng		97
20) 3+4-Methylphenols	7.263	107	156464	40.665	ng	#	85
22) Acetophenone	7.257	105	215713	41.713	ng		99
24) Nitrobenzene	7.434	77	174039	39.592	ng		98
25) Isophorone	7.669	82	288890	39.164	ng		99
26) 2-Nitrophenol	7.745	139	76416	40.406	ng		96
27) 2,4-Dimethylphenol	7.787	122	90849	40.149	ng		98
28) bis(2-Chloroethoxy)met...	7.875	93	173671	38.662	ng		99
29) 2,4-Dichlorophenol	7.992	162	120062	41.292	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	138252	41.202	ng		100
31) Naphthalene	8.145	128	447056	40.213	ng		99
32) Benzoic acid	7.934	122	61171	34.391	ng		96
33) 4-Chloroaniline	8.204	127	151162	40.507	ng		99
34) Hexachlorobutadiene	8.257	225	85814	42.223	ng		98
35) Caprolactam	8.581	113	35289	40.674	ng		96
36) 4-Chloro-3-methylphenol	8.686	107	139253	41.906	ng		99
37) 2-Methylnaphthalene	8.834	142	288482	41.088	ng		100
38) 1-Methylnaphthalene	8.934	142	282811	41.106	ng		100
40) 1,2,4,5-Tetrachloroben...	9.004	216	133281	41.267	ng		98
41) Hexachlorocyclopentadiene	8.981	237	21969	30.427	ng		100
43) 2,4,6-Trichlorophenol	9.122	196	79839	40.544	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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

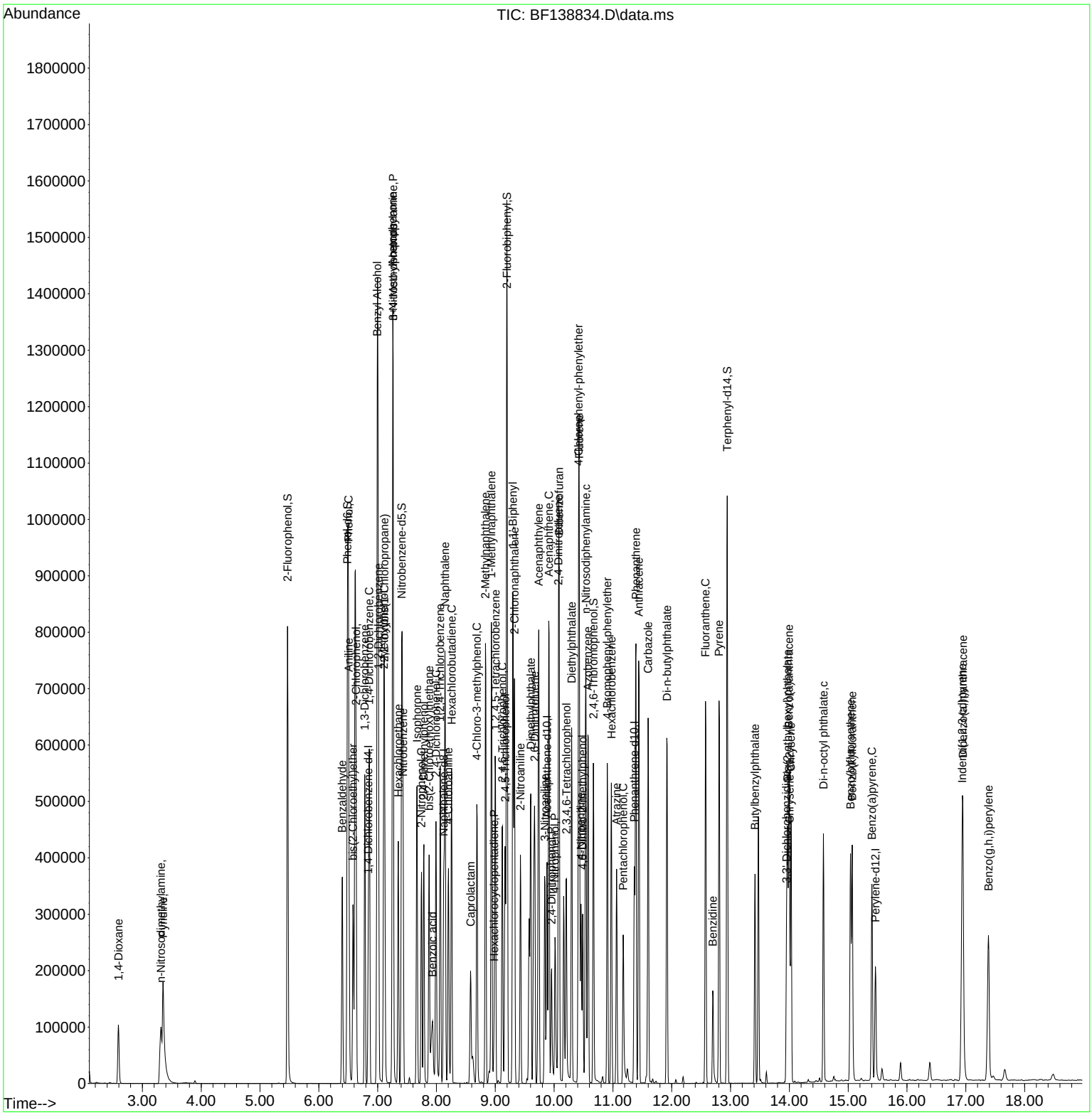
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	87559	40.673	ng		98
46) 1,1'-Biphenyl	9.298	154	370626	40.703	ng		99
47) 2-Chloronaphthalene	9.328	162	273493	40.385	ng		99
48) 2-Nitroaniline	9.428	65	93816	40.863	ng		99
49) Acenaphthylene	9.739	152	384800	40.062	ng		99
50) Dimethylphthalate	9.604	163	308827	41.542	ng		100
51) 2,6-Dinitrotoluene	9.669	165	70309	41.907	ng		91
52) Acenaphthene	9.910	154	259205	40.146	ng		99
53) 3-Nitroaniline	9.845	138	70962	40.914	ng		100
54) 2,4-Dinitrophenol	9.957	184	37607	48.693	ng		91
55) Dibenzofuran	10.086	168	374050	41.040	ng		100
56) 4-Nitrophenol	10.016	139	49386	47.350	ng		93
57) 2,4-Dinitrotoluene	10.075	165	92280	43.111	ng	#	88
58) Fluorene	10.428	166	305046	42.029	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	66253	40.256	ng		95
60) Diethylphthalate	10.298	149	306088	43.424	ng		100
61) 4-Chlorophenyl-phenyle...	10.416	204	149196	41.796	ng		96
62) 4-Nitroaniline	10.457	138	69745	42.315	ng		91
63) Azobenzene	10.575	77	315548	40.362	ng		98
65) 4,6-Dinitro-2-methylph...	10.486	198	50159	41.863	ng		95
66) n-Nitrosodiphenylamine	10.539	169	248120	40.418	ng		99
67) 4-Bromophenyl-phenylether	10.904	248	86712	40.780	ng		97
68) Hexachlorobenzene	10.975	284	92031	41.919	ng		97
69) Atrazine	11.063	200	59075	37.299	ng		99
70) Pentachlorophenol	11.175	266	49870	50.395	ng		97
71) Phenanthrene	11.392	178	410078	40.551	ng		99
72) Anthracene	11.439	178	412183	41.374	ng		100
73) Carbazole	11.598	167	348504	40.547	ng		98
74) Di-n-butylphthalate	11.922	149	429382	44.439	ng		100
75) Fluoranthene	12.574	202	383912	40.665	ng		99
77) Benzidine	12.698	184	95687	44.125	ng		99
78) Pyrene	12.804	202	390753	45.775	ng		99
80) Butylbenzylphthalate	13.416	149	111817	40.905	ng		94
81) Benzo(a)anthracene	13.992	228	243765	39.044	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	67251	42.093	ng		98
83) Chrysene	14.027	228	227091	40.317	ng		99
84) Bis(2-ethylhexyl)phtha...	13.969	149	144689	36.147	ng		99
85) Di-n-octyl phthalate	14.580	149	267993	36.186	ng		98
87) Indeno(1,2,3-cd)pyrene	16.939	276	278145	39.456	ng		96
88) Benzo(b)fluoranthene	15.039	252	226312	37.113	ng		98
89) Benzo(k)fluoranthene	15.068	252	229269	43.425	ng		98
90) Benzo(a)pyrene	15.404	252	207673	40.488	ng		98
91) Dibenzo(a,h)anthracene	16.951	278	229198	39.608	ng		96
92) Benzo(g,h,i)perylene	17.386	276	230392	38.367	ng		97

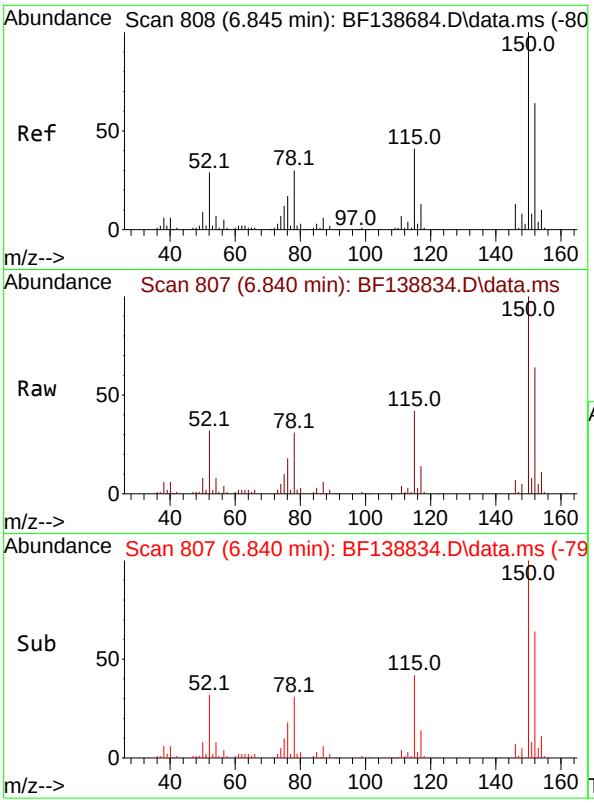
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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



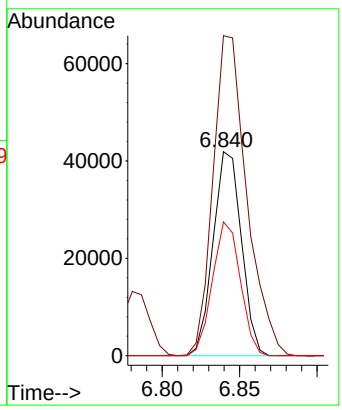


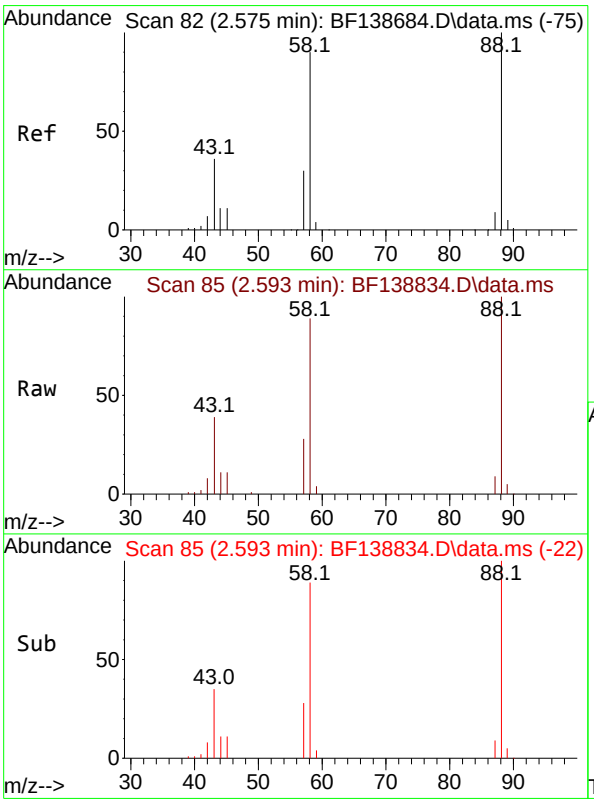
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 53283

Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.0	189.0
115	65.5	51.7	77.5

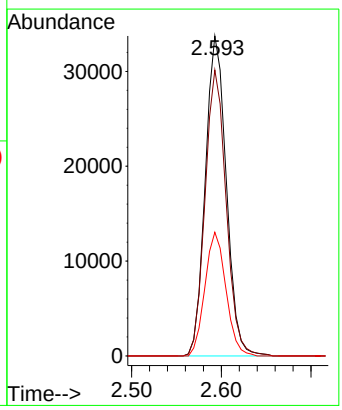


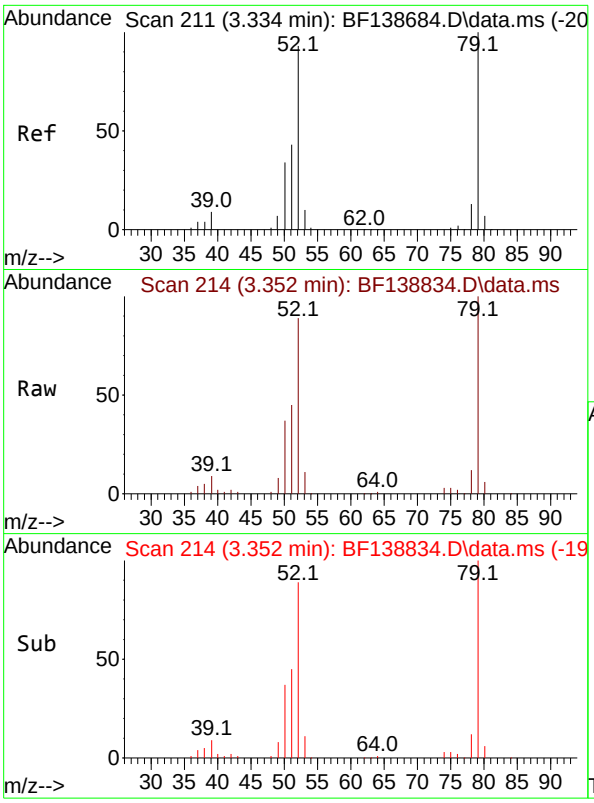


#2
1,4-Dioxane
Concen: 36.215 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 88 Resp: 54728

Ion	Ratio	Lower	Upper
88	100		
58	90.0	71.6	107.4
43	38.7	28.7	43.1



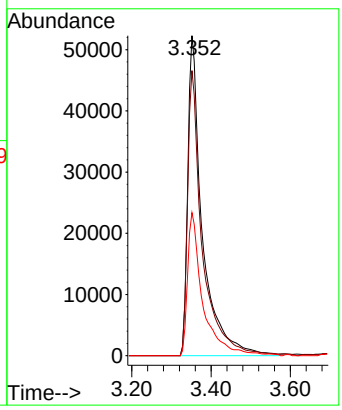


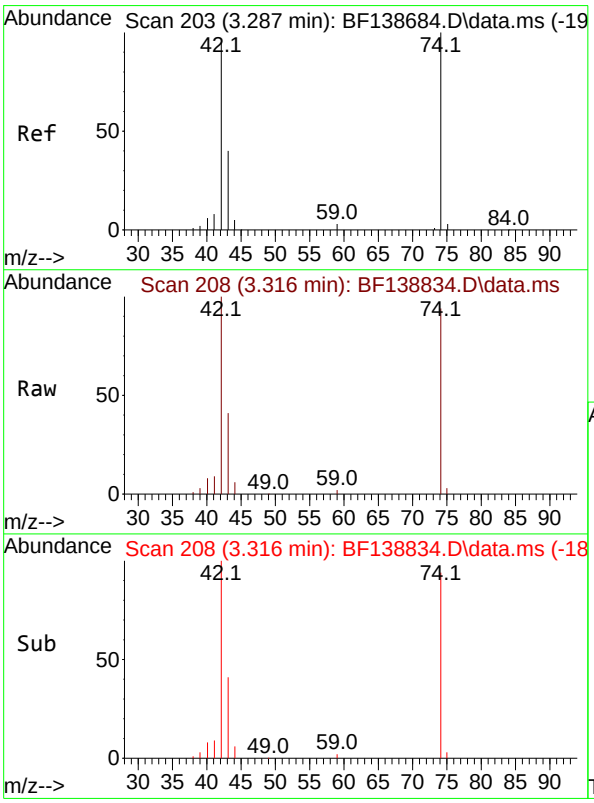
#3
Pyridine
Concen: 36.599 ng
RT: 3.352 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 133982

Ion	Ratio	Lower	Upper
79	100		
52	89.1	74.7	112.1
51	44.7	34.6	51.8

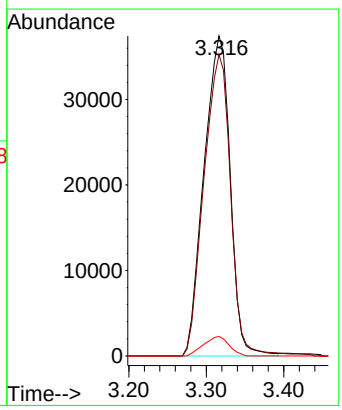


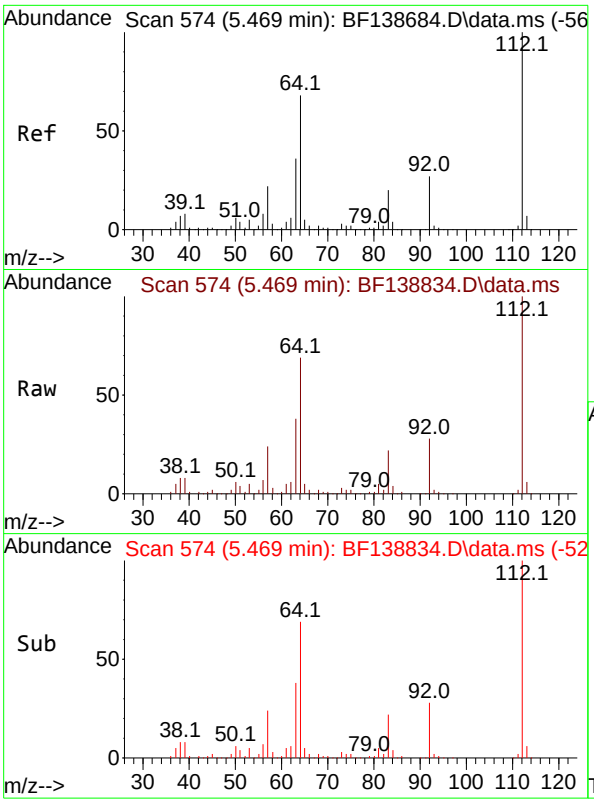


#4
n-Nitrosodimethylamine
Concen: 40.355 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.029 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 42 Resp: 87986

Ion	Ratio	Lower	Upper
42	100		
74	94.1	84.2	126.4
44	6.1	4.9	7.3



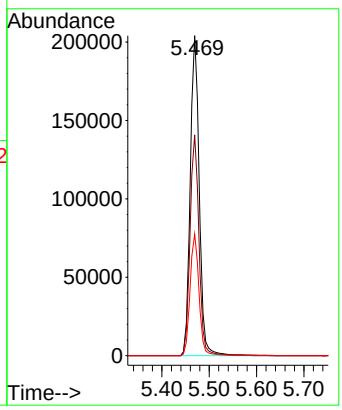


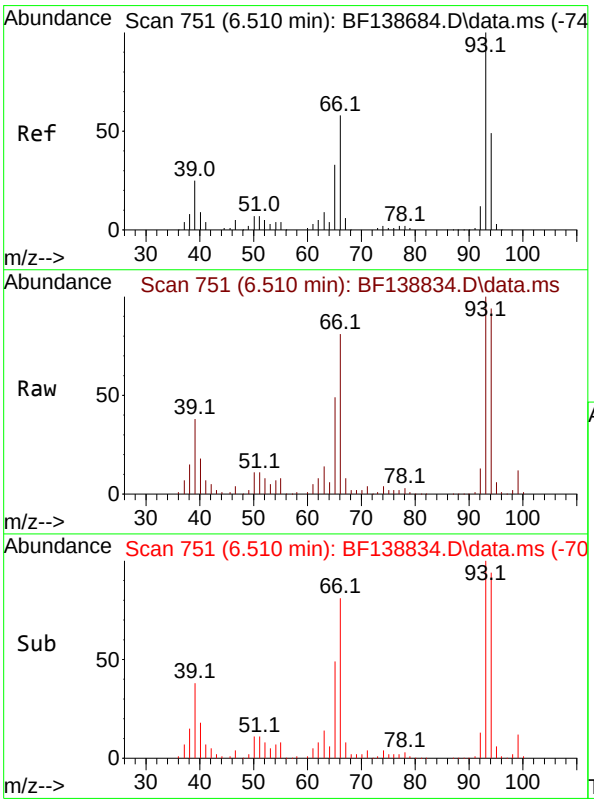
#5
2-Fluorophenol
Concen: 78.567 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 271192

Ion	Ratio	Lower	Upper
112	100		
64	69.0	54.2	81.4
63	38.1	28.7	43.1

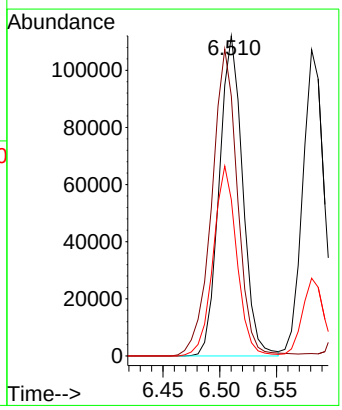


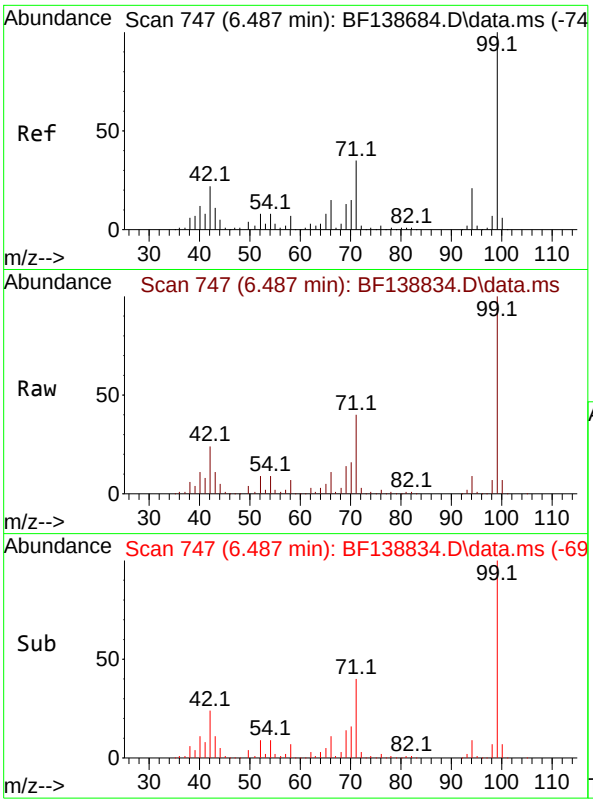


#6
Aniline
Concen: 38.808 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 93 Resp: 160393

Ion	Ratio	Lower	Upper
93	100		
66	81.2	46.9	70.3#
65	48.8	26.5	39.7#



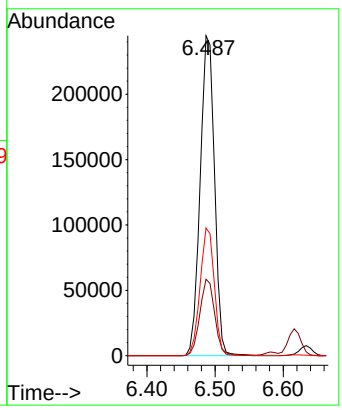


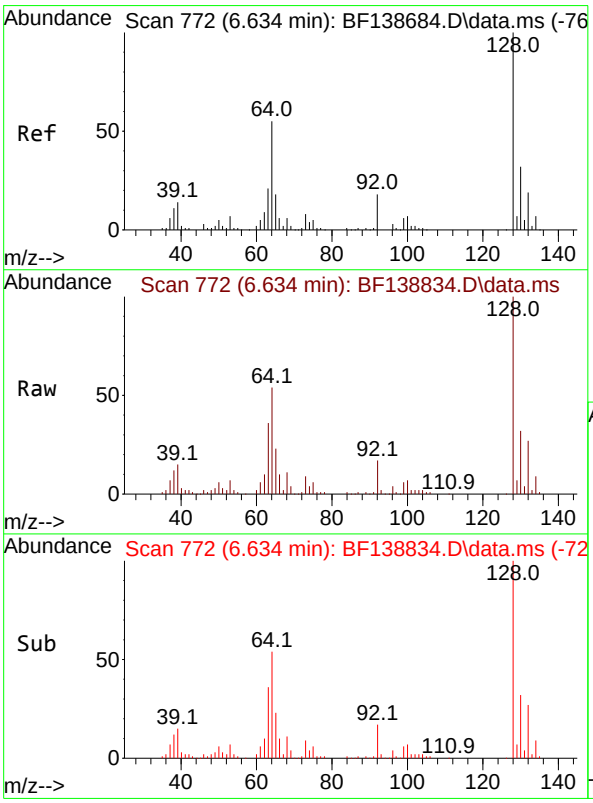
#7
Phenol-d6
Concen: 77.436 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 358863

Ion	Ratio	Lower	Upper
99	100		
42	23.9	17.4	26.0
71	39.9	28.1	42.1

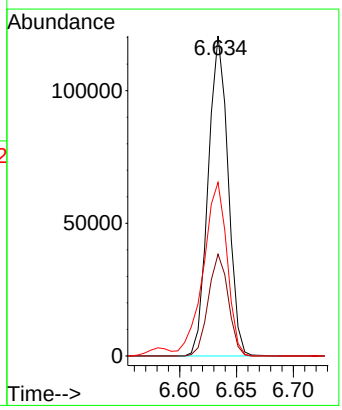


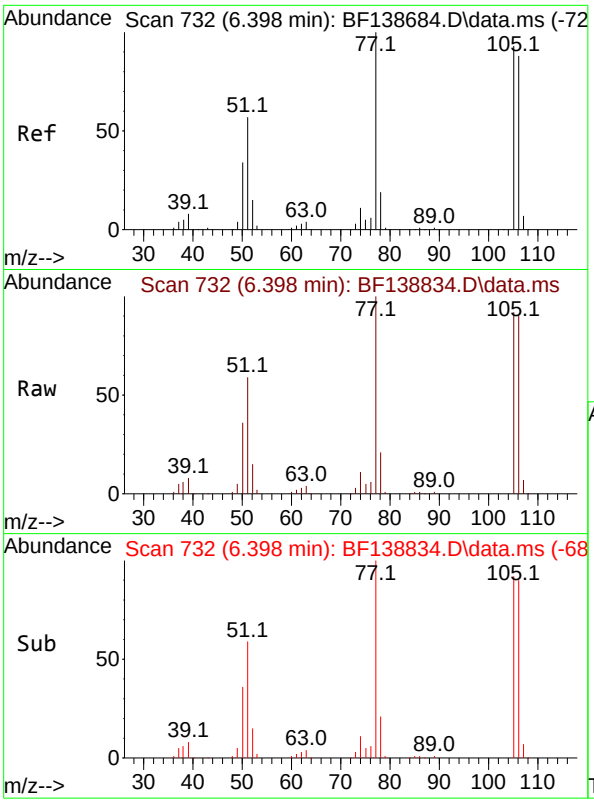


#8
2-Chlorophenol
Concen: 40.368 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:128 Resp: 146600

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.0	52.0
64	54.2	36.3	76.3



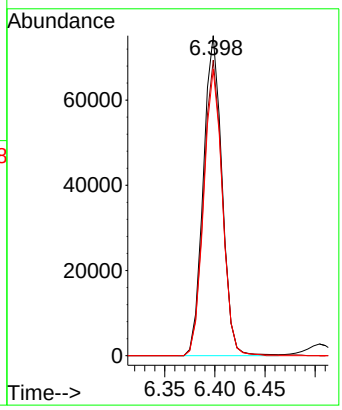


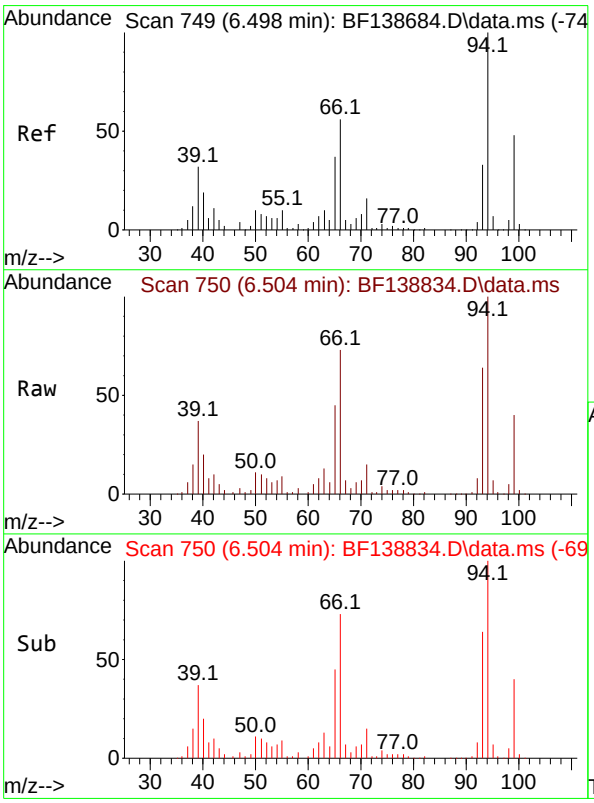
#9
Benzaldehyde
Concen: 35.197 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 97780

Ion	Ratio	Lower	Upper
77	100		
105	92.4	72.9	112.9
106	89.5	68.4	108.4

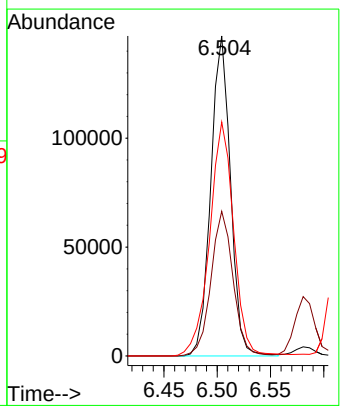


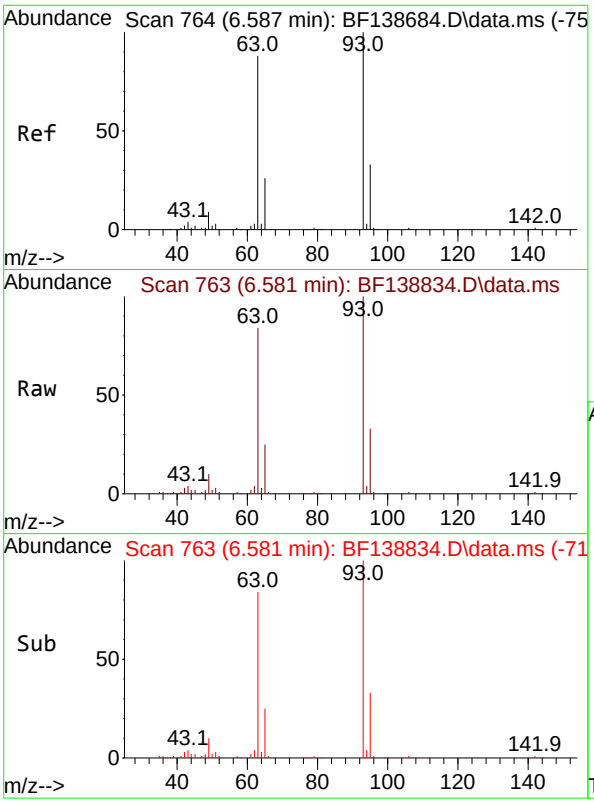


#10
Phenol
Concen: 38.748 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 94 Resp: 189069

Ion	Ratio	Lower	Upper
94	100		
65	45.2	16.9	56.9
66	73.1	36.5	76.5



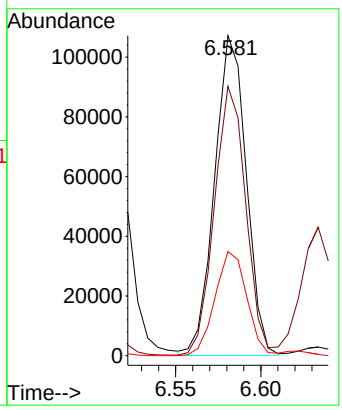


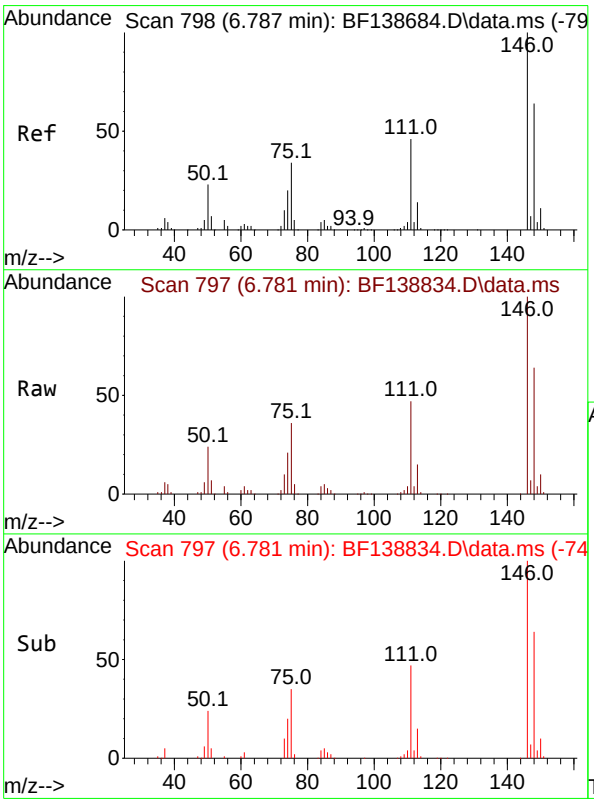
#11
bis(2-Chloroethyl)ether
Concen: 36.880 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 138480

Ion	Ratio	Lower	Upper
93	100		
63	84.2	65.3	105.3
95	32.5	12.4	52.4

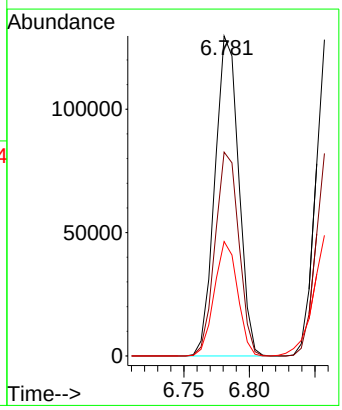


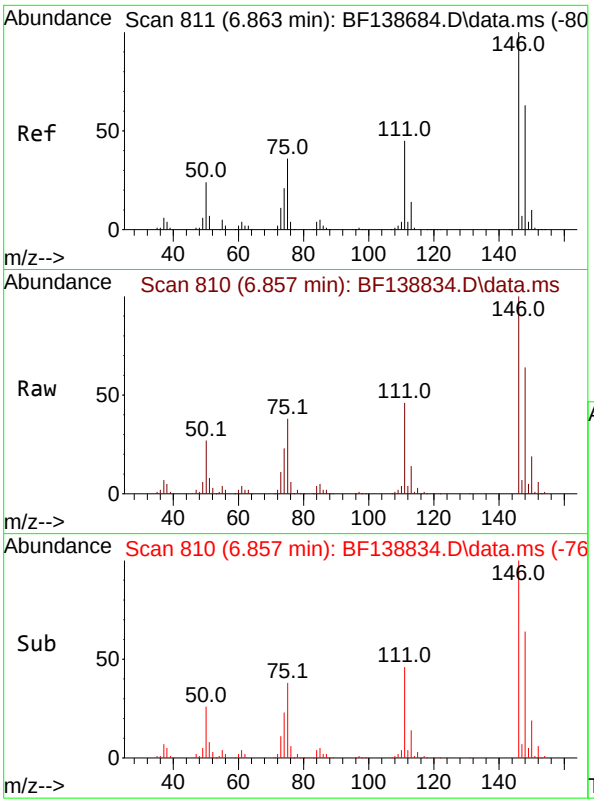


#12
1,3-Dichlorobenzene
Concen: 40.075 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:146 Resp: 162912

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
75	35.8	27.4	41.2



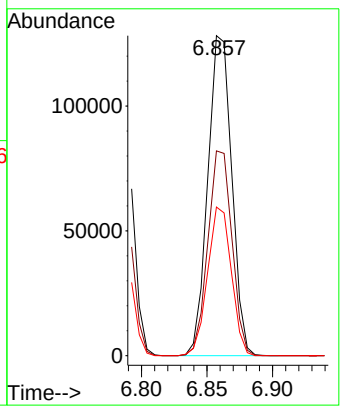


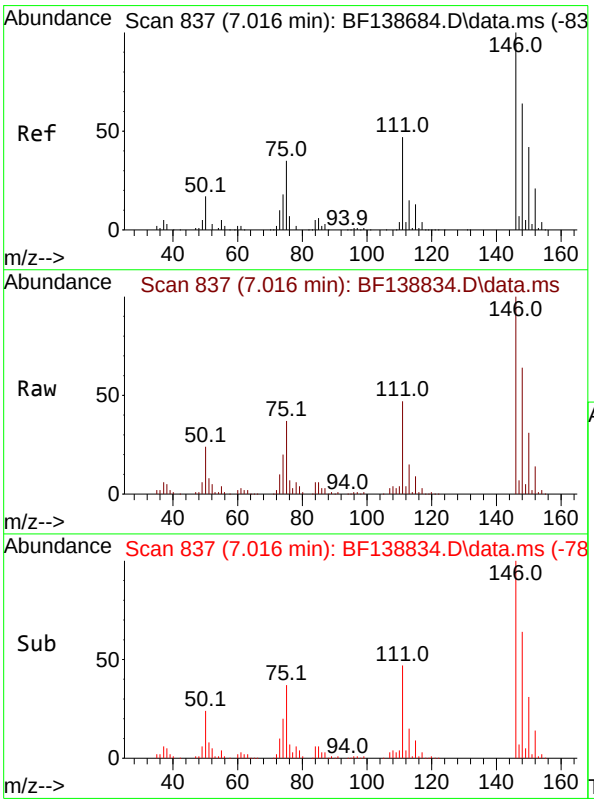
#13
1,4-Dichlorobenzene
Concen: 39.769 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 163152

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.2	75.2
111	46.5	35.9	53.9

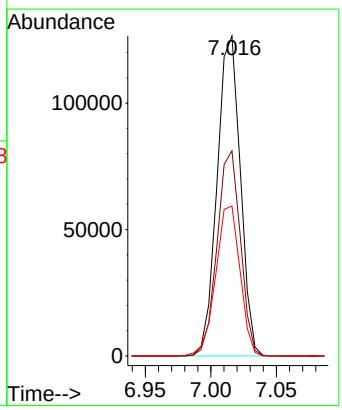


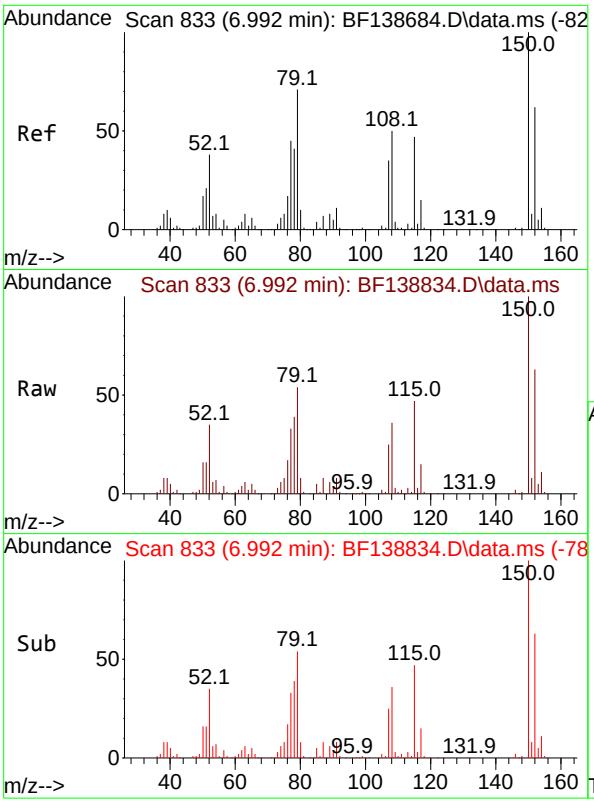


#14
1,2-Dichlorobenzene
Concen: 40.634 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:146 Resp: 155794

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	46.8	37.4	56.2



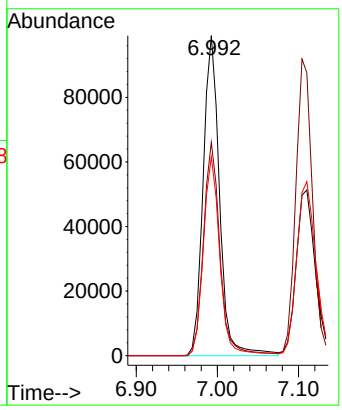


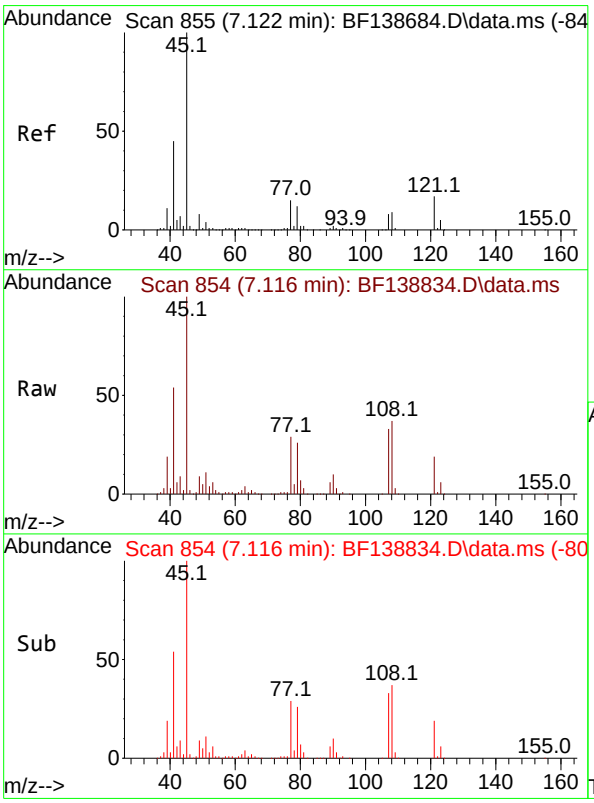
#15
Benzyl Alcohol
Concen: 41.611 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 138988

Ion	Ratio	Lower	Upper
79	100		
108	66.7	56.6	85.0
77	62.1	50.3	75.5

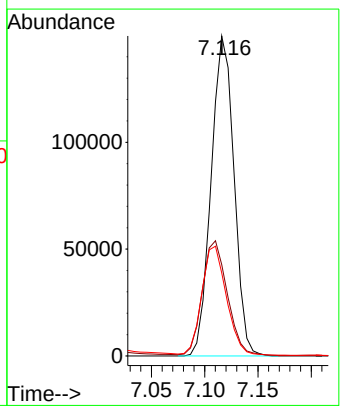


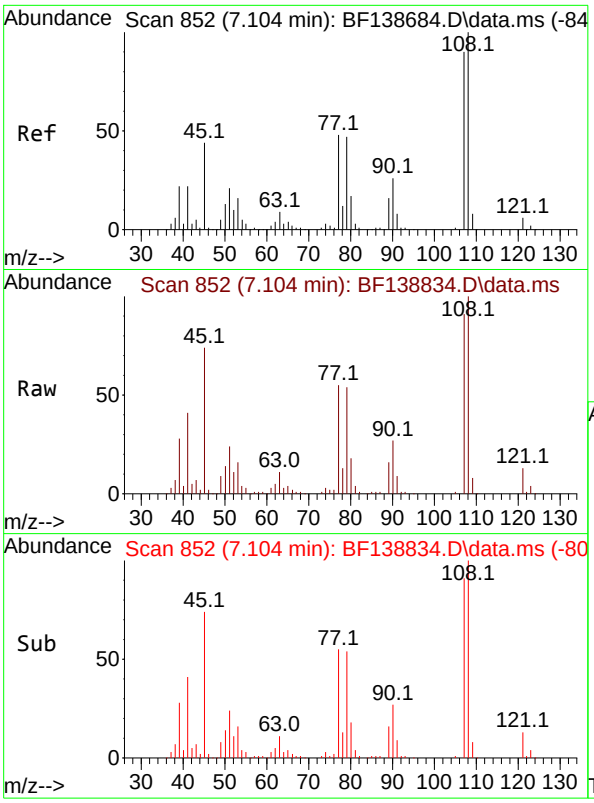


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.526 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 45 Resp: 223108

Ion	Ratio	Lower	Upper
45	100		
77	28.5	0.0	34.9
79	25.9	0.0	32.2



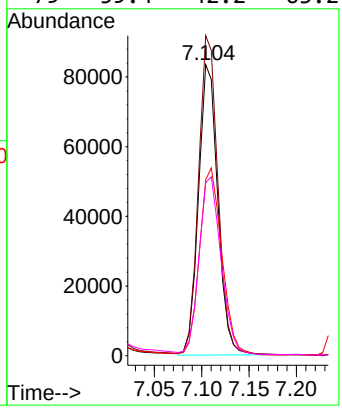


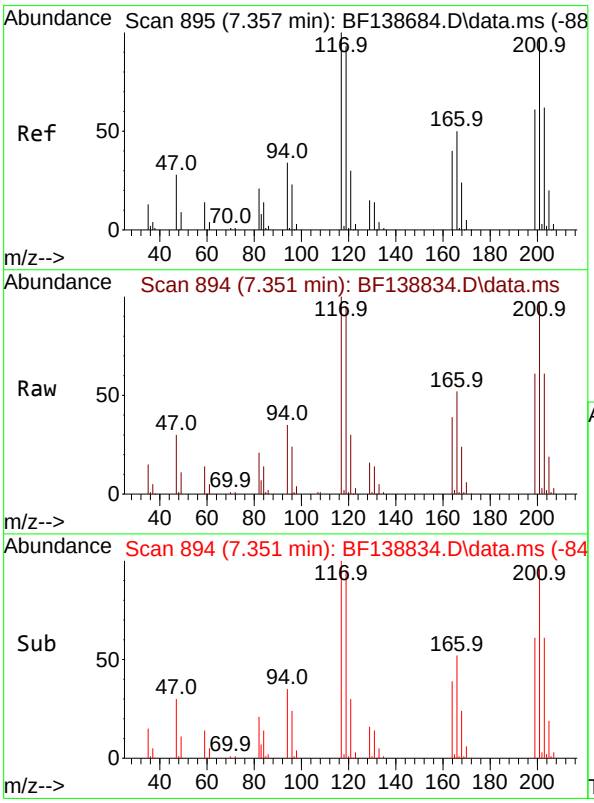
#17
2-Methylphenol
Concen: 39.457 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 118323

Ion	Ratio	Lower	Upper
107	100		
108	109.9	89.2	133.8
77	60.5	43.0	64.4
79	59.4	42.2	63.2

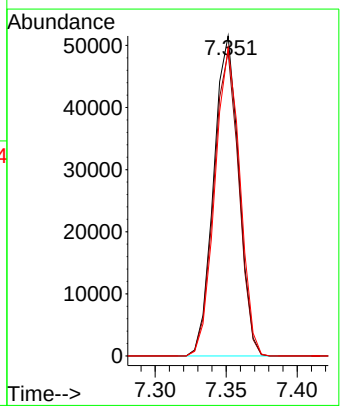


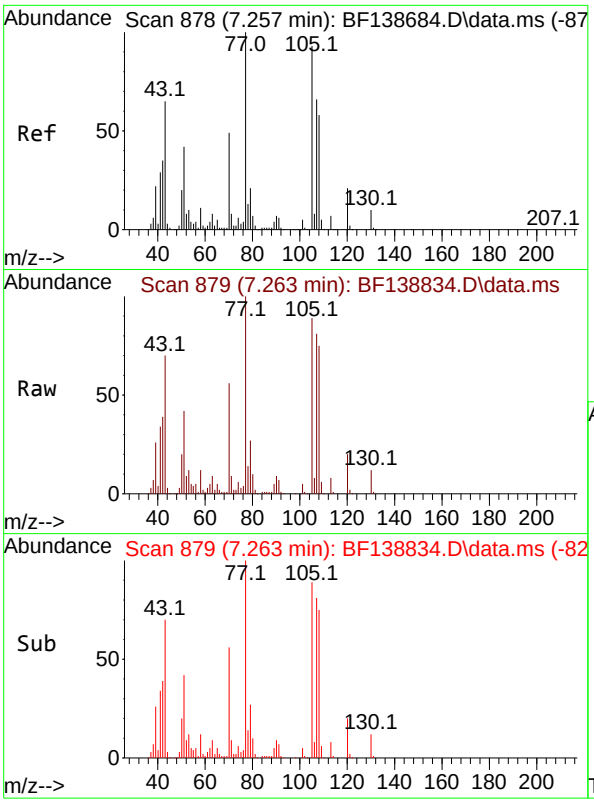


#18
Hexachloroethane
Concen: 41.012 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:117 Resp: 63333

Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.6	111.8
201	96.3	77.2	115.8



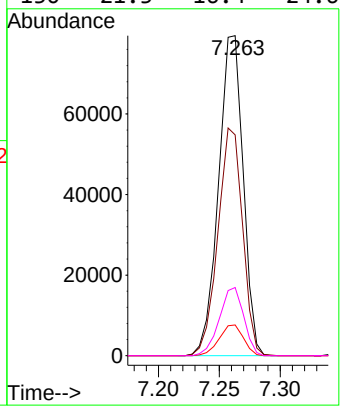


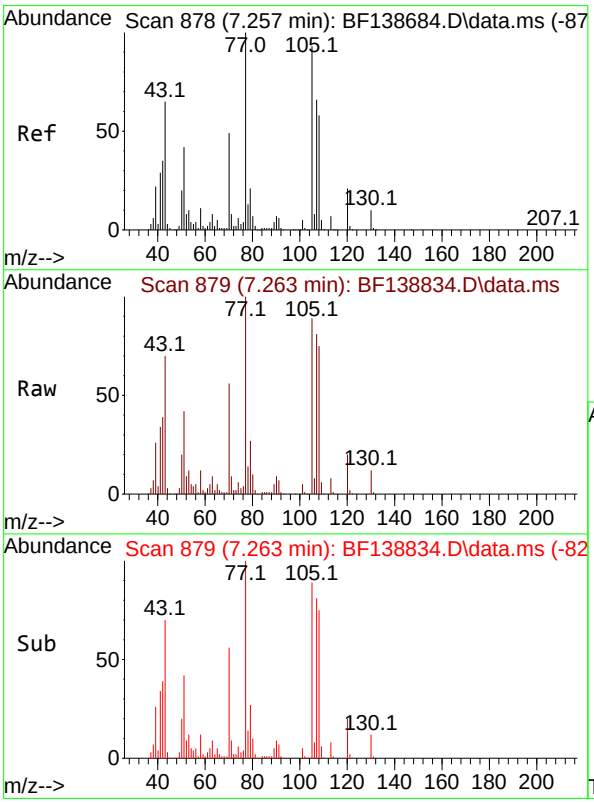
#19
n-Nitroso-di-n-propylamine
Concen: 39.957 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 111841

Ion	Ratio	Lower	Upper
70	100		
42	69.0	57.4	86.0
101	9.6	7.5	11.3
130	21.3	16.4	24.6

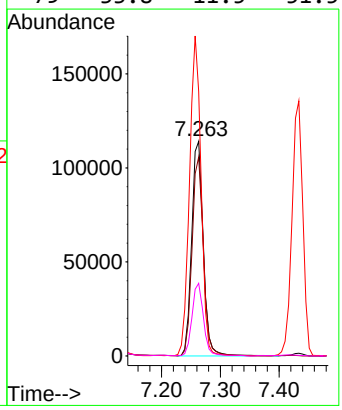


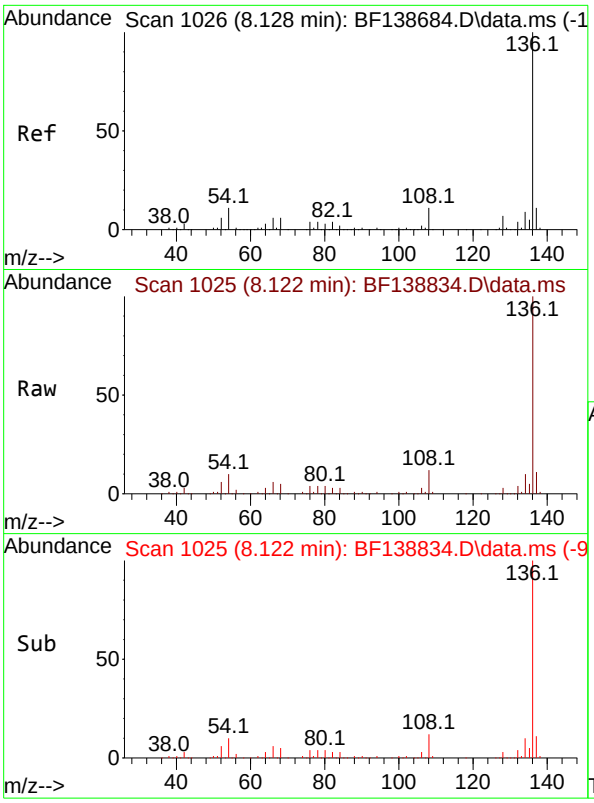


#20
3+4-Methylphenols
Concen: 40.665 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:107 Resp: 156464

Ion	Ratio	Lower	Upper
107	100		
108	92.7	68.2	108.2
77	123.3	132.1	172.1#
79	33.8	11.5	51.5



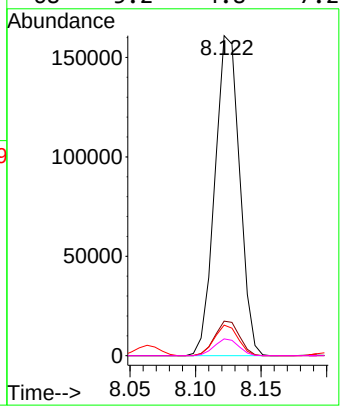


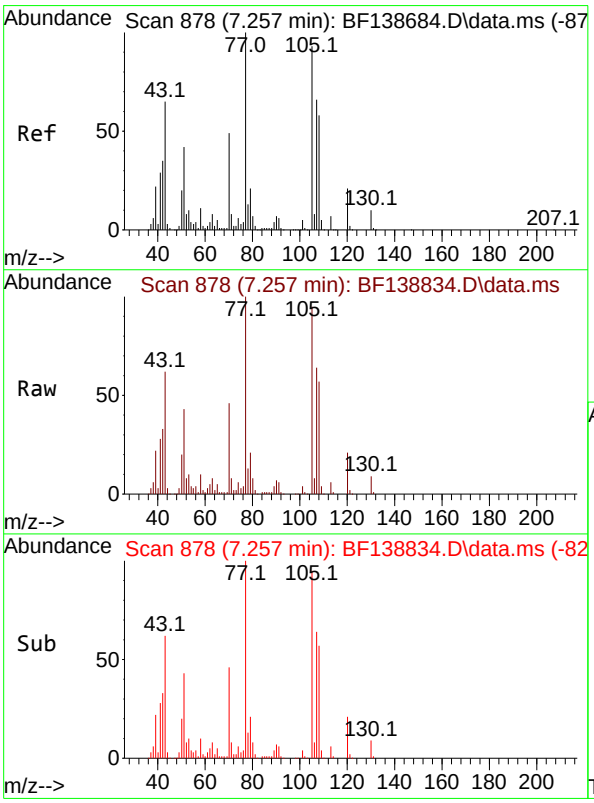
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 211206

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.5	8.6	12.8
68	5.2	4.8	7.2

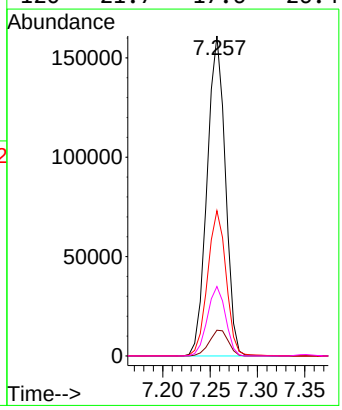


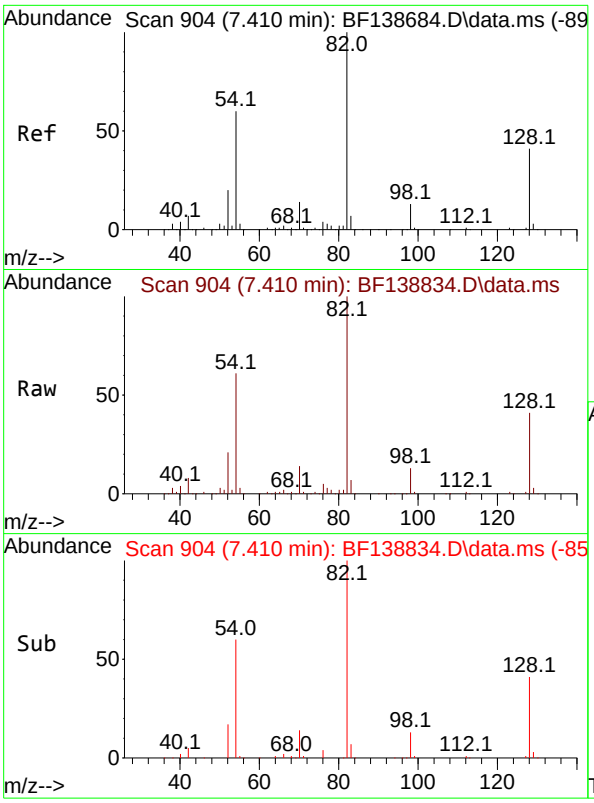


#22
Acetophenone
Concen: 41.713 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:105 Resp: 215713

Ion	Ratio	Lower	Upper
105	100		
71	8.0	7.2	10.8
51	45.4	35.9	53.9
120	21.7	17.6	26.4



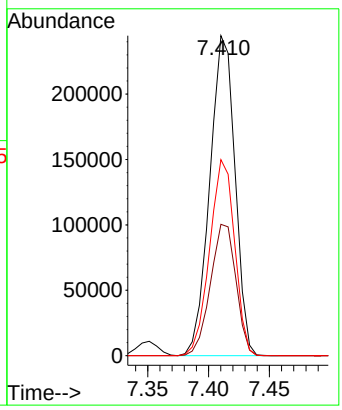


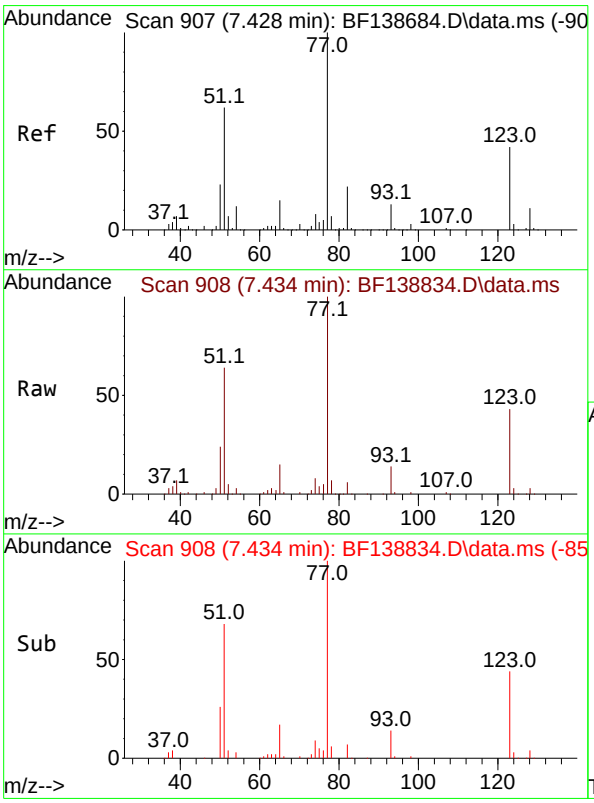
#23
Nitrobenzene-d5
Concen: 81.789 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 353320

Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.8	49.2
54	61.3	48.3	72.5

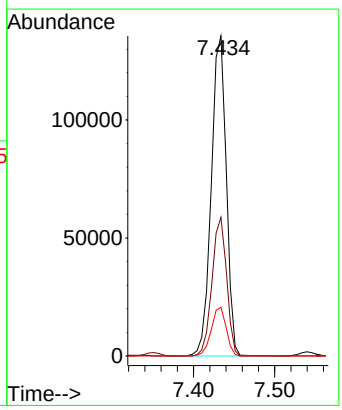


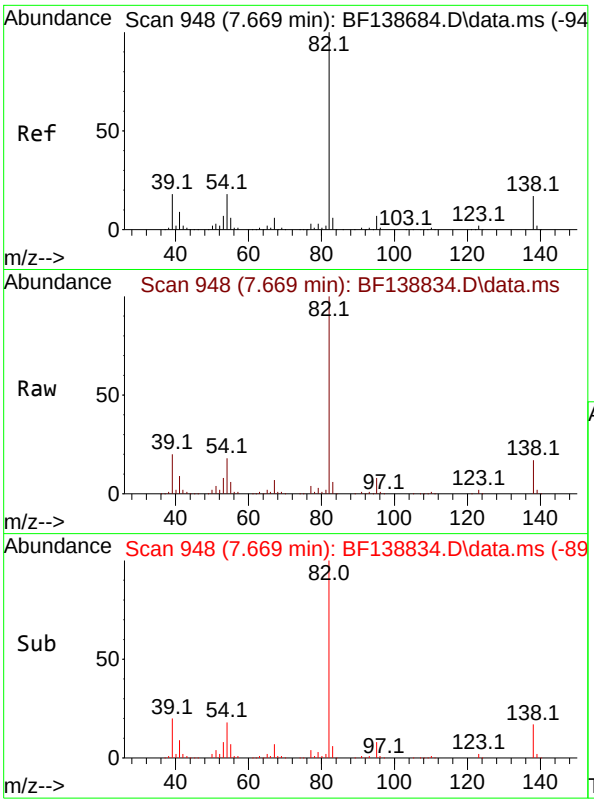


#24
Nitrobenzene
Concen: 39.592 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 77 Resp: 174039

Ion	Ratio	Lower	Upper
77	100		
123	43.3	33.3	49.9
65	15.2	11.9	17.9



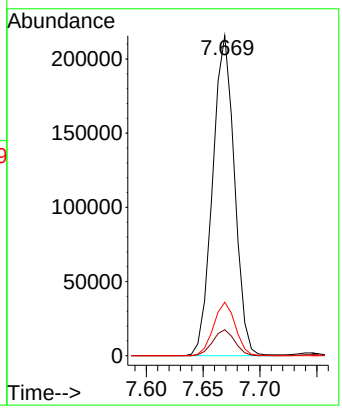


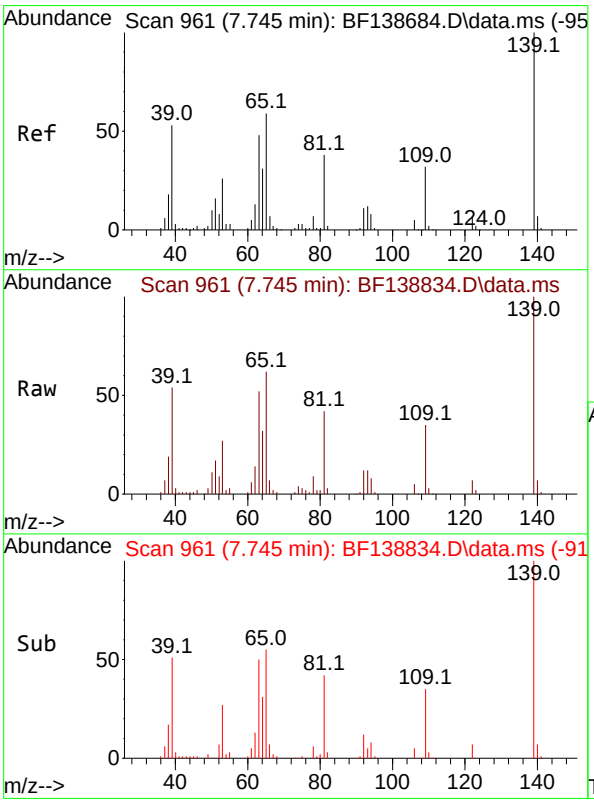
#25
Isophorone
Concen: 39.164 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 288890

Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.7	8.5
138	16.7	13.7	20.5

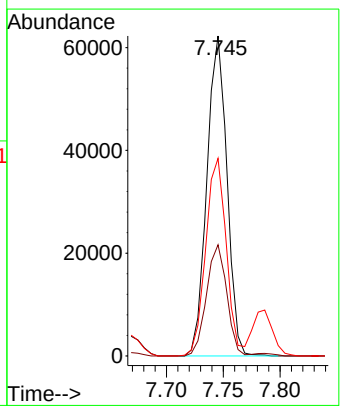


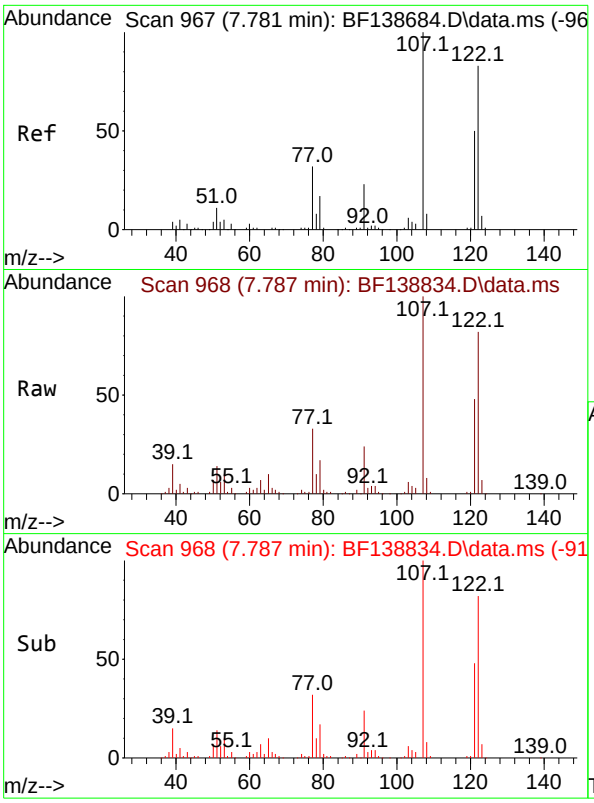


#26
2-Nitrophenol
Concen: 40.406 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:139 Resp: 76416

Ion	Ratio	Lower	Upper
139	100		
109	34.8	25.9	38.9
65	61.8	47.0	70.6



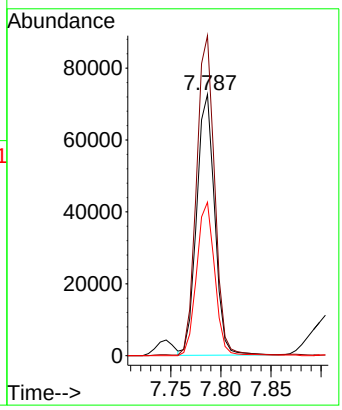


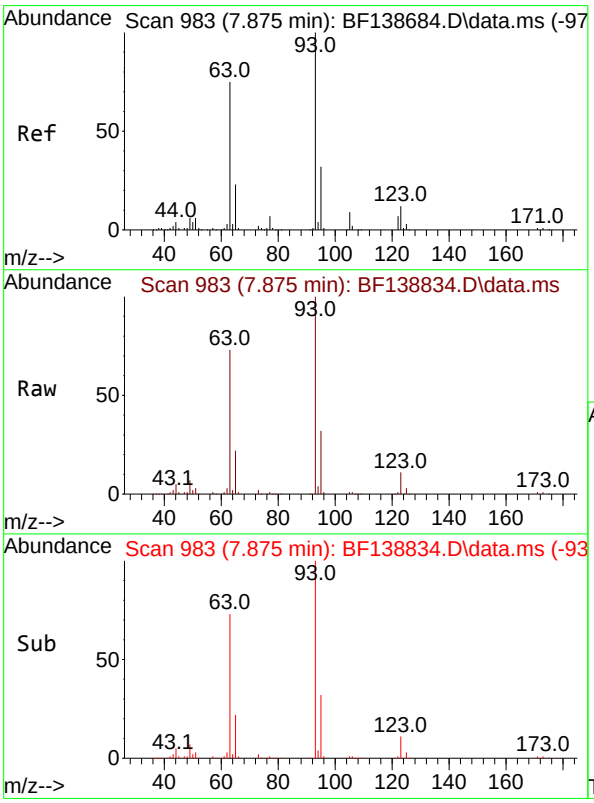
#27
2,4-Dimethylphenol
Concen: 40.149 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 90849

Ion	Ratio	Lower	Upper
122	100		
107	122.5	95.0	142.6
121	58.7	47.3	70.9

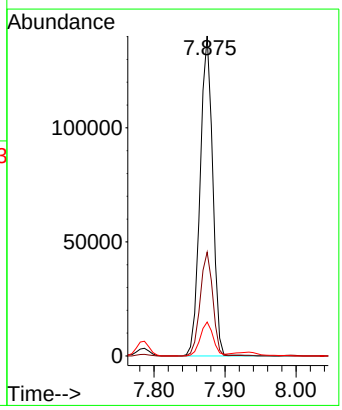


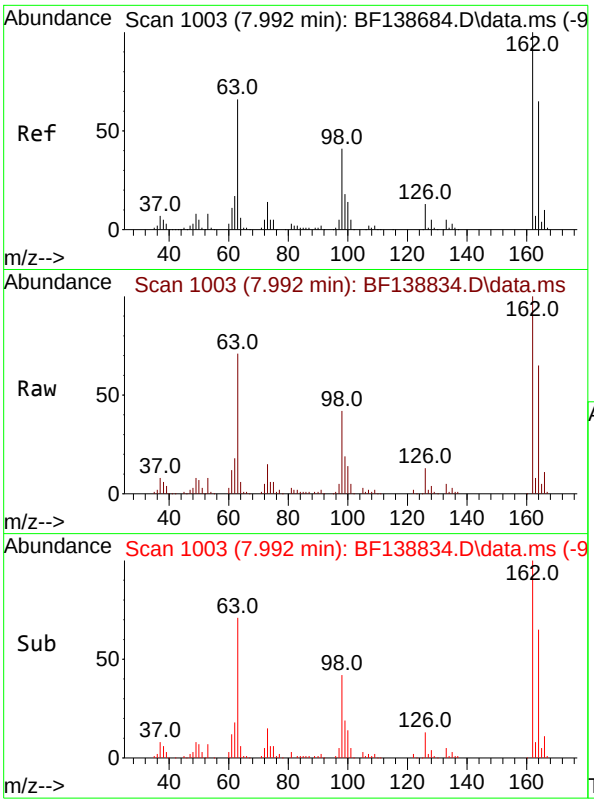


#28
bis(2-Chloroethoxy)methane
Concen: 38.662 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 93 Resp: 173671

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	10.6	9.4	14.0



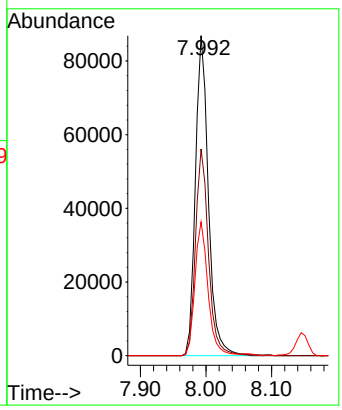


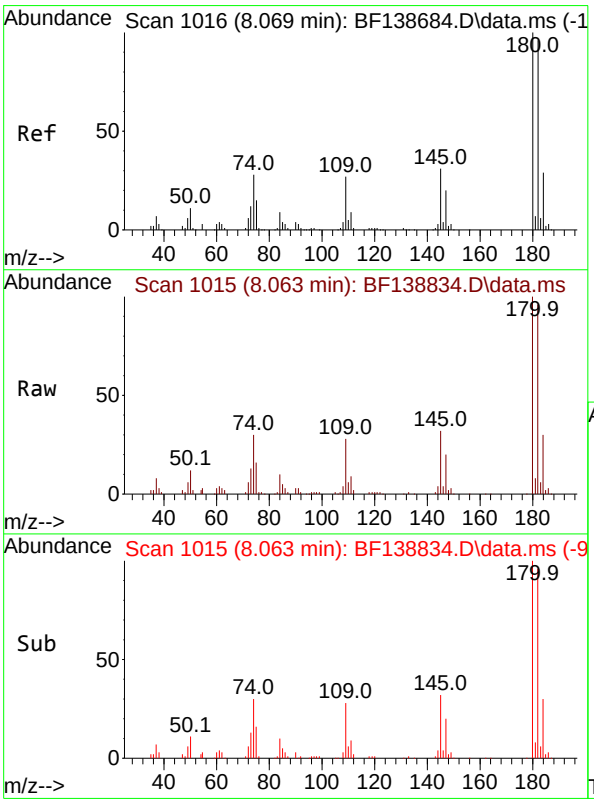
#29
2,4-Dichlorophenol
Concen: 41.292 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 120062

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.7	84.7
98	41.8	20.8	60.8

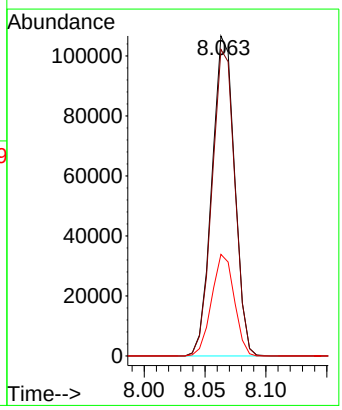


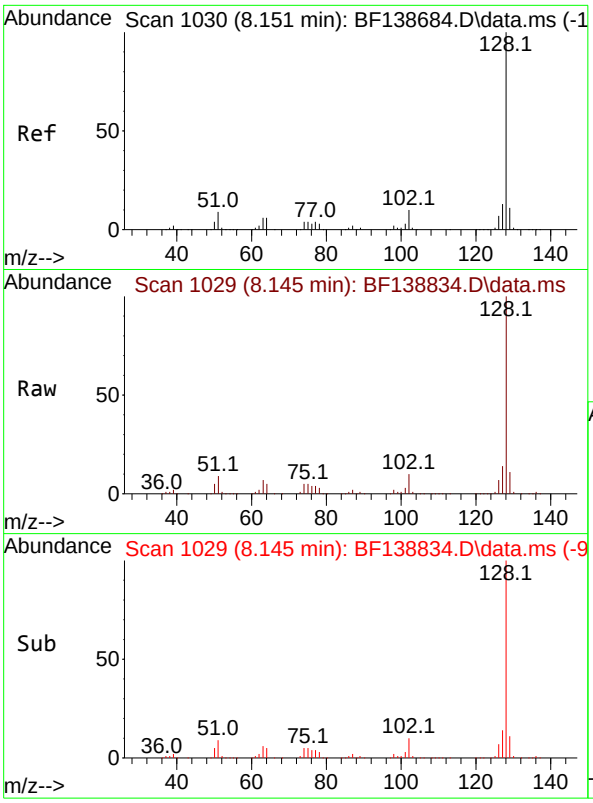


#30
1,2,4-Trichlorobenzene
Concen: 41.202 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:180 Resp: 138252

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.9	115.3
145	31.8	25.0	37.4



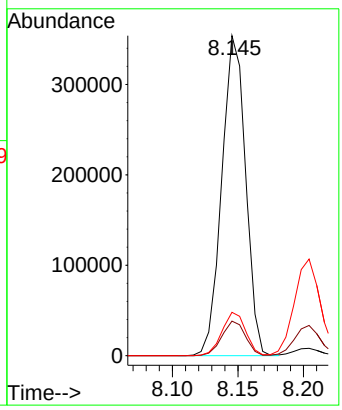


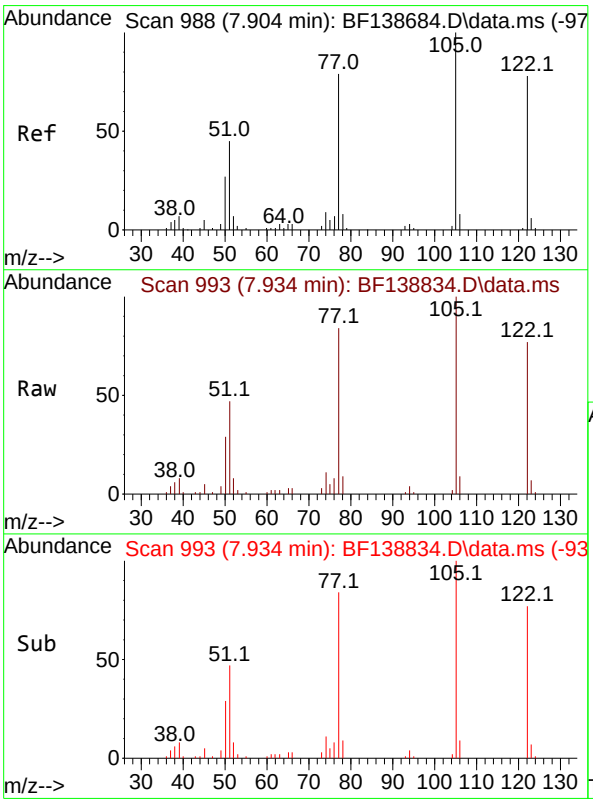
#31
Naphthalene
Concen: 40.213 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 447056

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.6	10.6	16.0

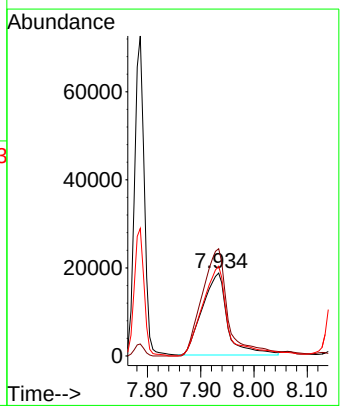


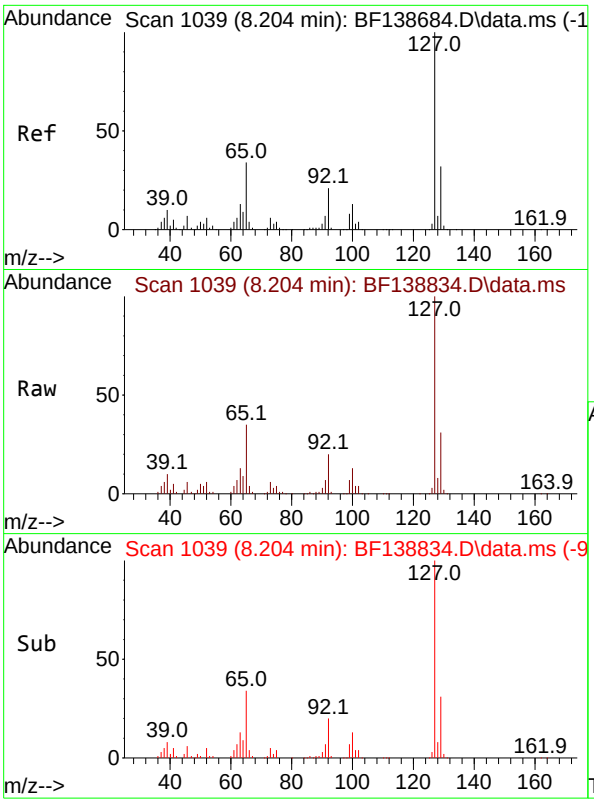


#32
Benzoic acid
Concen: 34.391 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.030 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:122 Resp: 61171

Ion	Ratio	Lower	Upper
122	100		
105	129.5	106.7	146.7
77	108.2	81.1	121.1



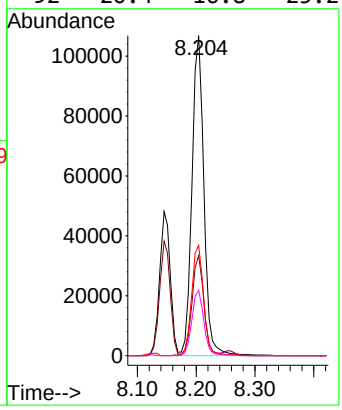


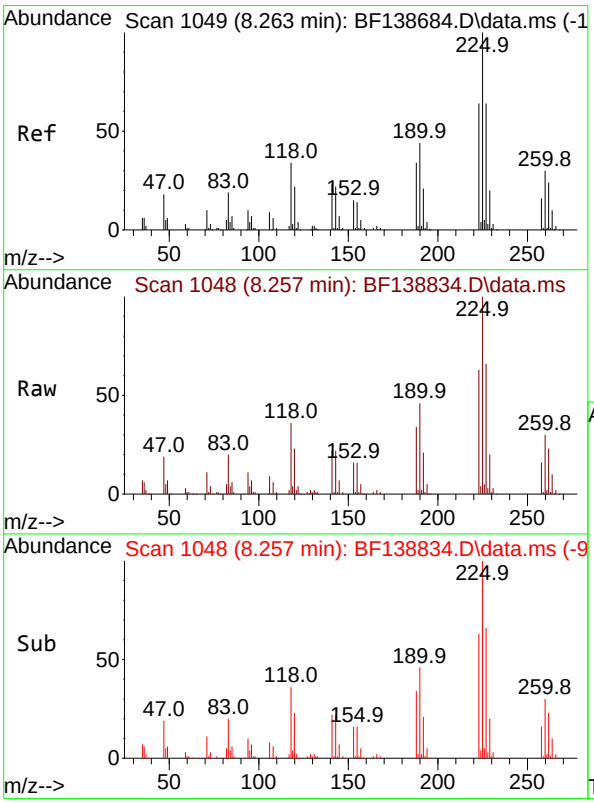
#33
4-Chloroaniline
Concen: 40.507 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 151162

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.9	38.9
65	34.5	27.6	41.4
92	20.4	16.8	25.2

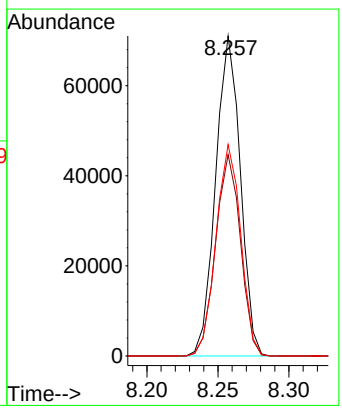


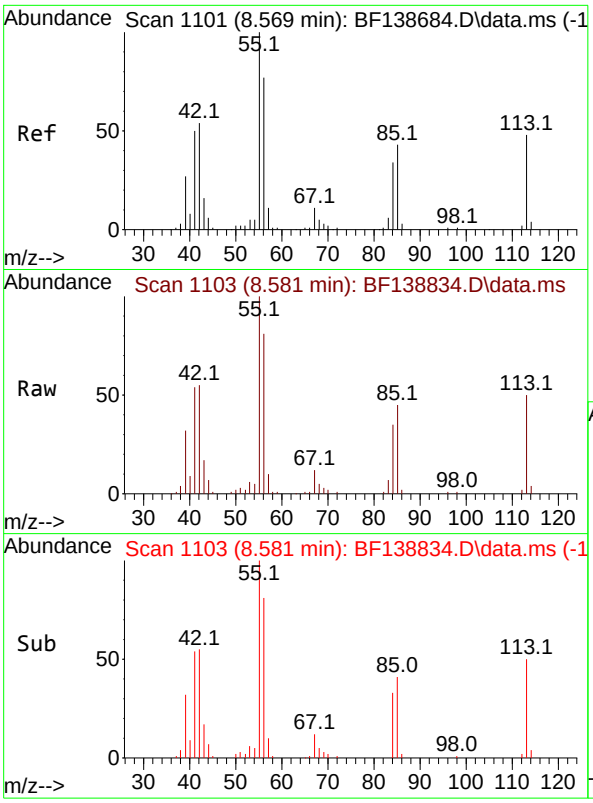


#34
Hexachlorobutadiene
Concen: 42.223 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:225 Resp: 85814

Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.2	76.8
227	66.0	51.1	76.7



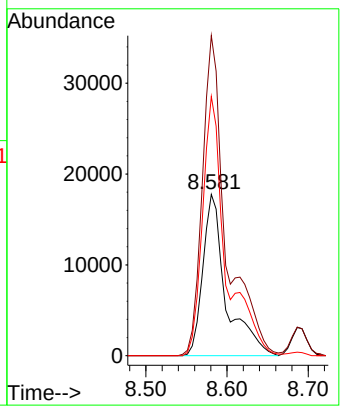


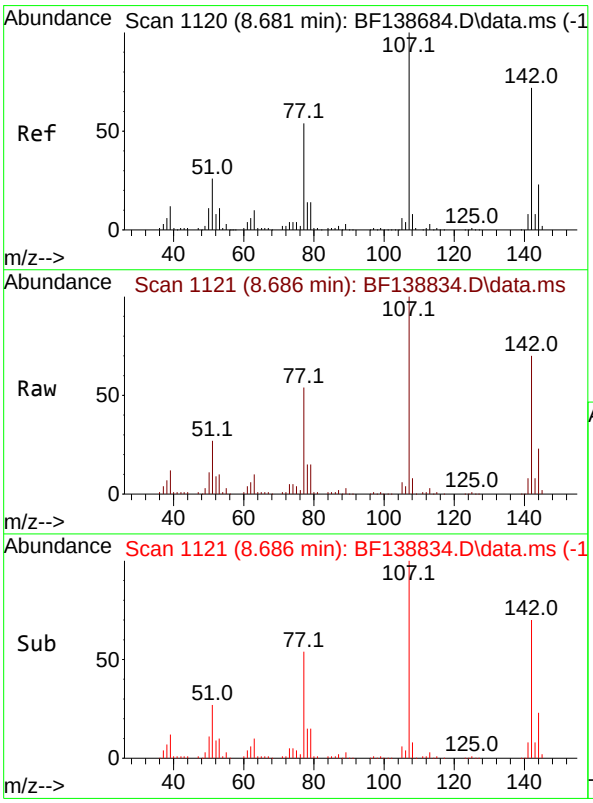
#35
Caprolactam
Concen: 40.674 ng
RT: 8.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 35289

Ion	Ratio	Lower	Upper
113	100		
55	198.3	186.7	226.7
56	160.7	138.9	178.9

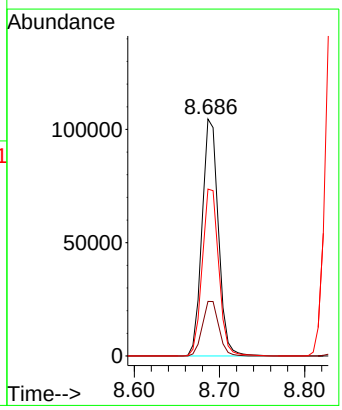


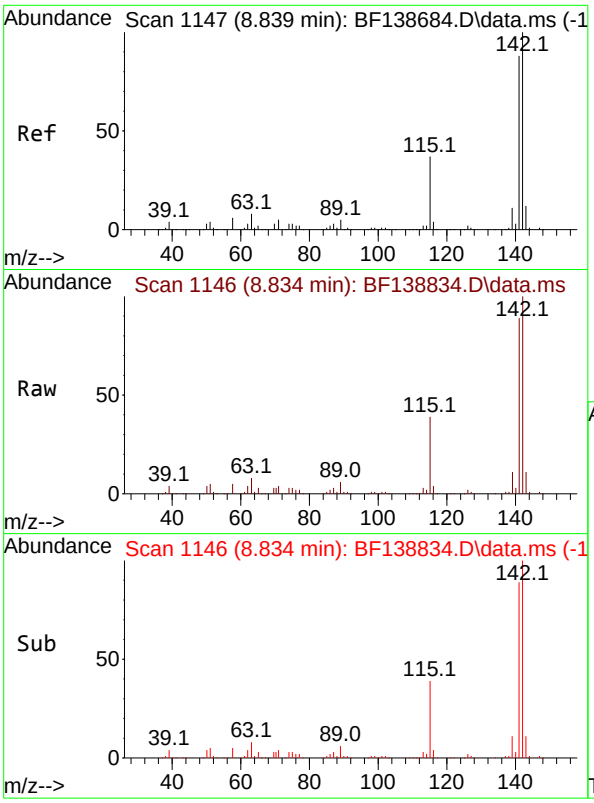


#36
4-Chloro-3-methylphenol
Concen: 41.906 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:107 Resp: 139253

Ion	Ratio	Lower	Upper
107	100		
144	23.0	18.2	27.2
142	70.4	57.4	86.2



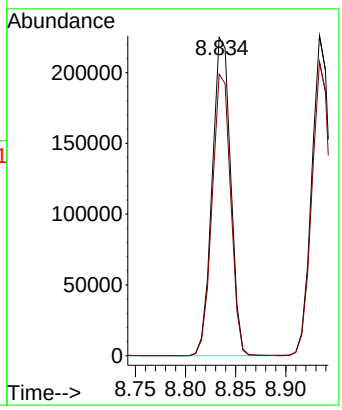


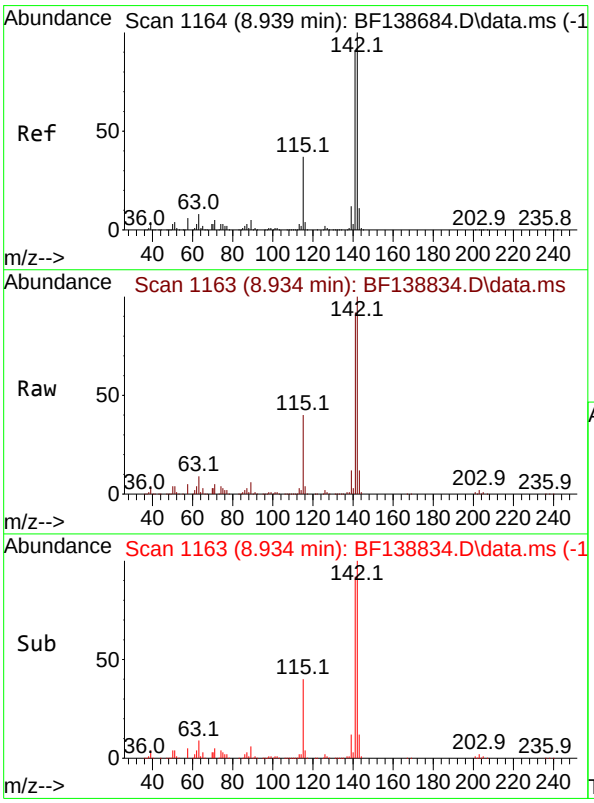
#37
2-Methylnaphthalene
Concen: 41.088 ng
RT: 8.834 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 288482

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

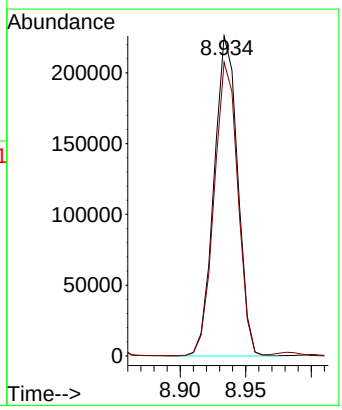


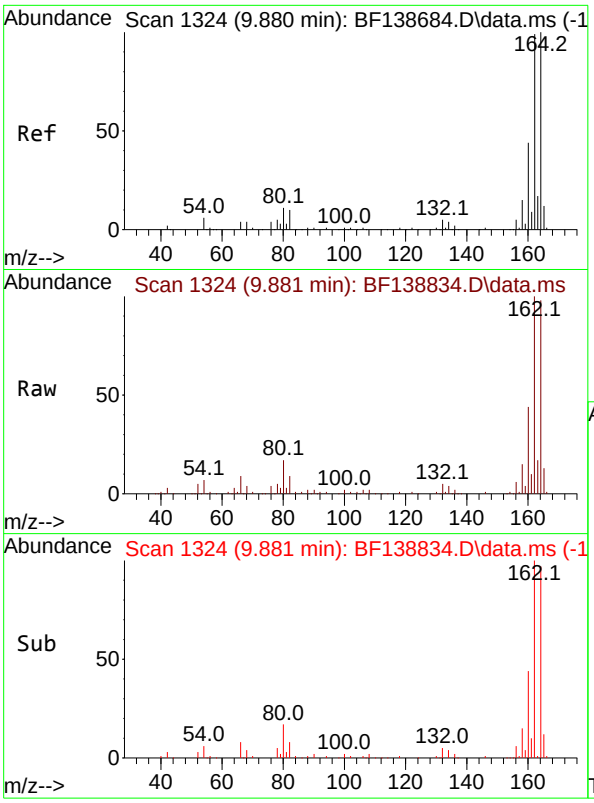


#38
1-Methylnaphthalene
Concen: 41.106 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:142 Resp: 282811

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.1	109.7



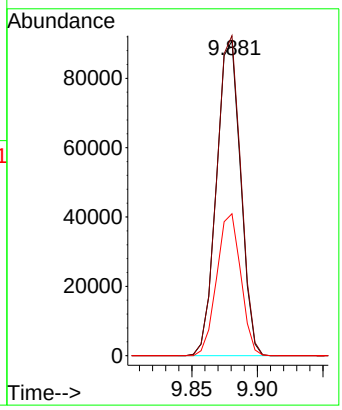


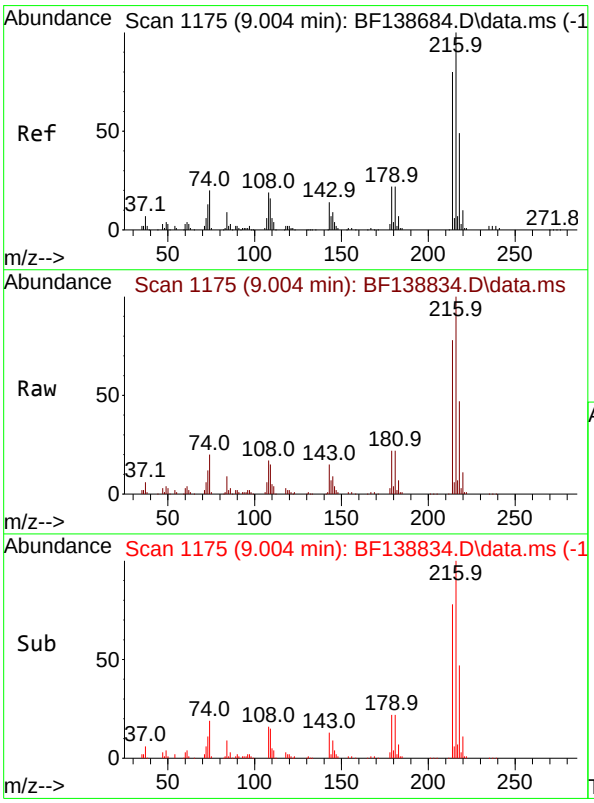
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 116265

Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.4	119.0
160	45.1	35.1	52.7

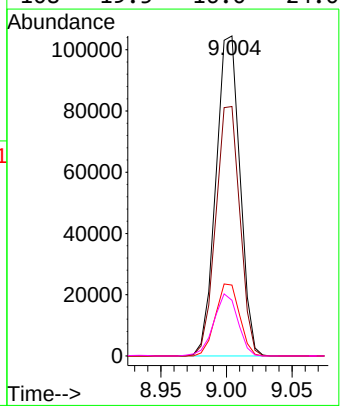


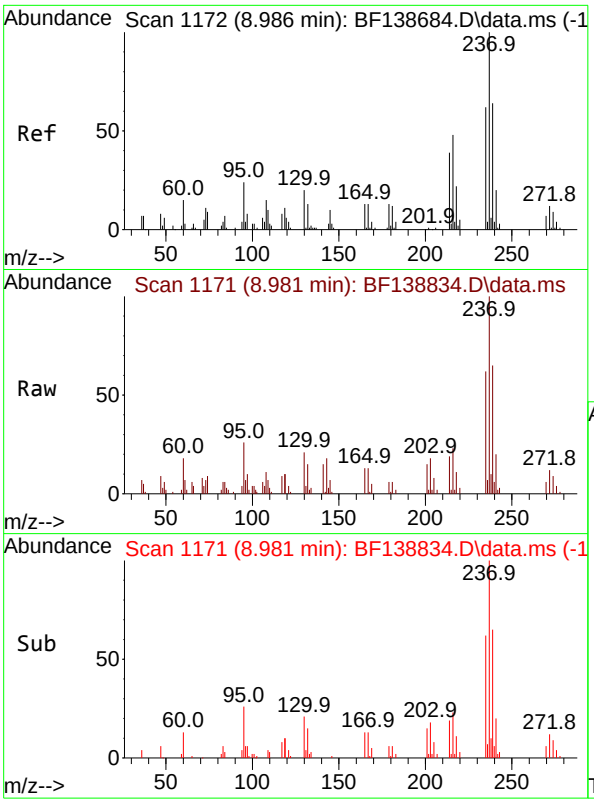


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.267 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:216 Resp: 133281

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.9	95.9
179	22.5	17.8	26.6
108	19.5	16.0	24.0



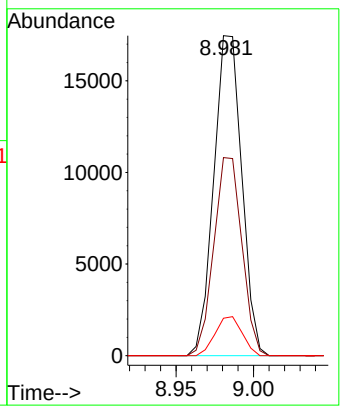


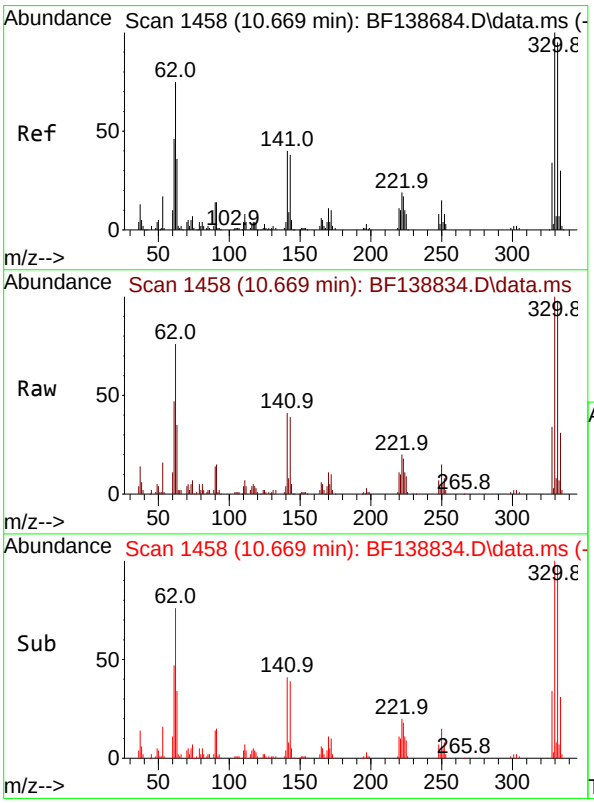
#41
Hexachlorocyclopentadiene
Concen: 30.427 ng
RT: 8.981 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 21969

Ion	Ratio	Lower	Upper
237	100		
235	61.9	41.8	81.8
272	11.7	0.0	32.2

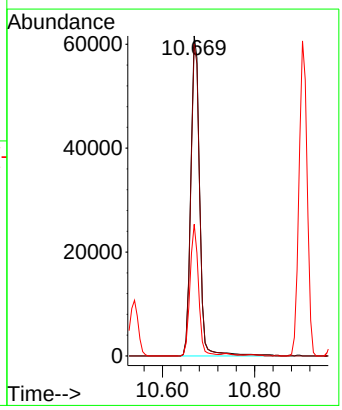


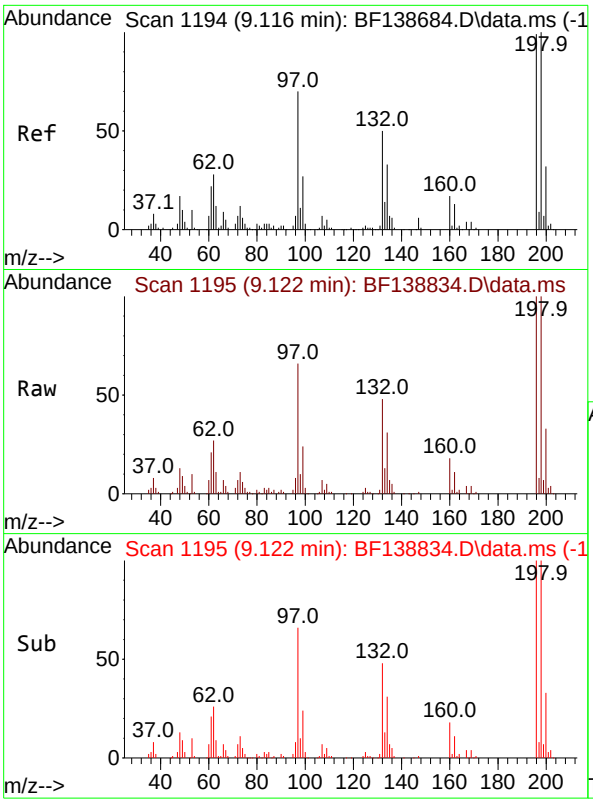


#42
2,4,6-Tribromophenol
Concen: 86.419 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:330 Resp: 82303

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.4	114.6
141	39.4	31.1	46.7



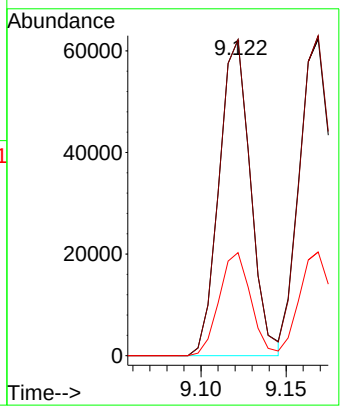


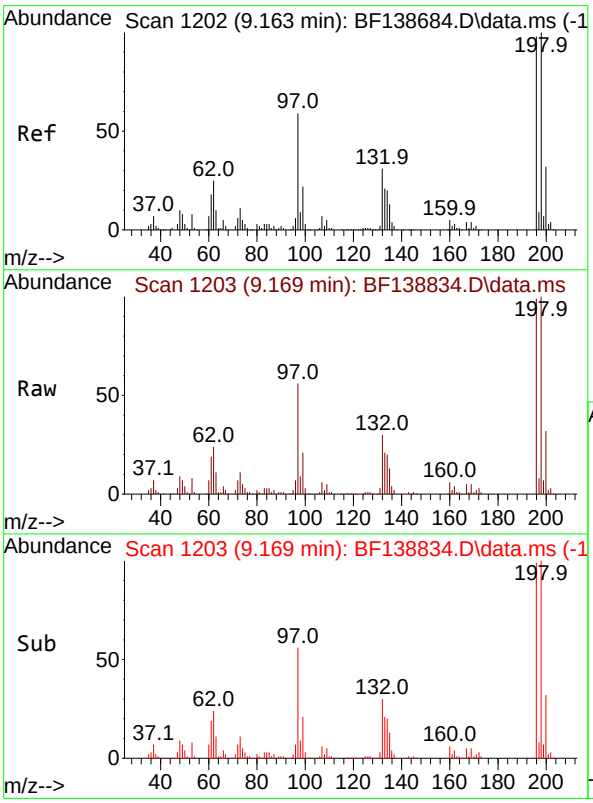
#43
2,4,6-Trichlorophenol
Concen: 40.544 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 79839

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.5	120.7
200	32.6	25.9	38.9

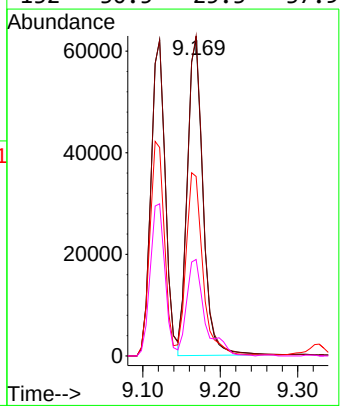


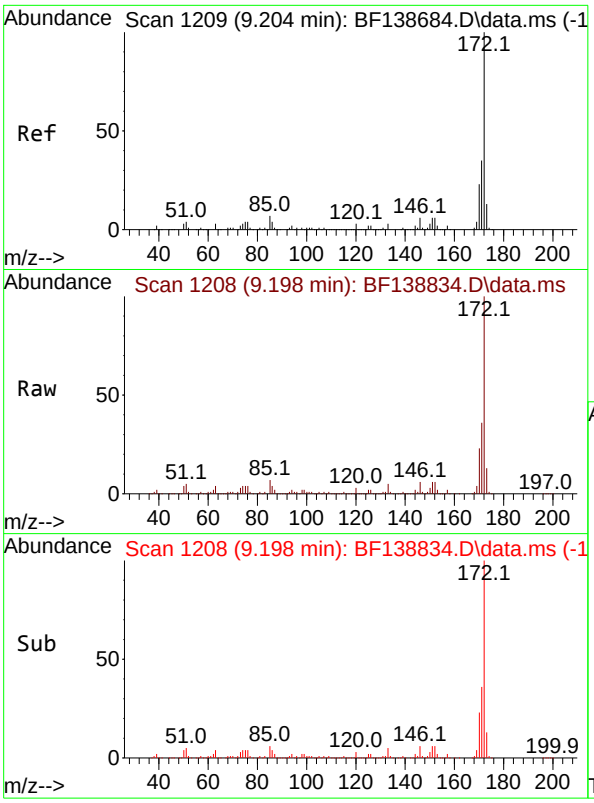


#44
2,4,5-Trichlorophenol
Concen: 40.673 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:196 Resp: 87559

Ion	Ratio	Lower	Upper
196	100		
198	101.0	81.2	121.8
97	56.7	47.8	71.6
132	30.5	25.3	37.9



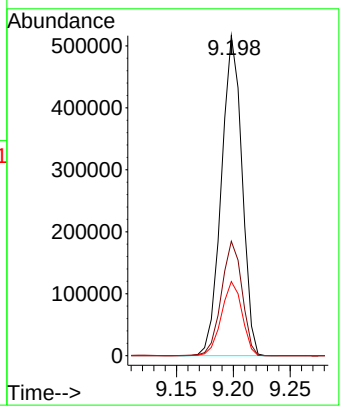


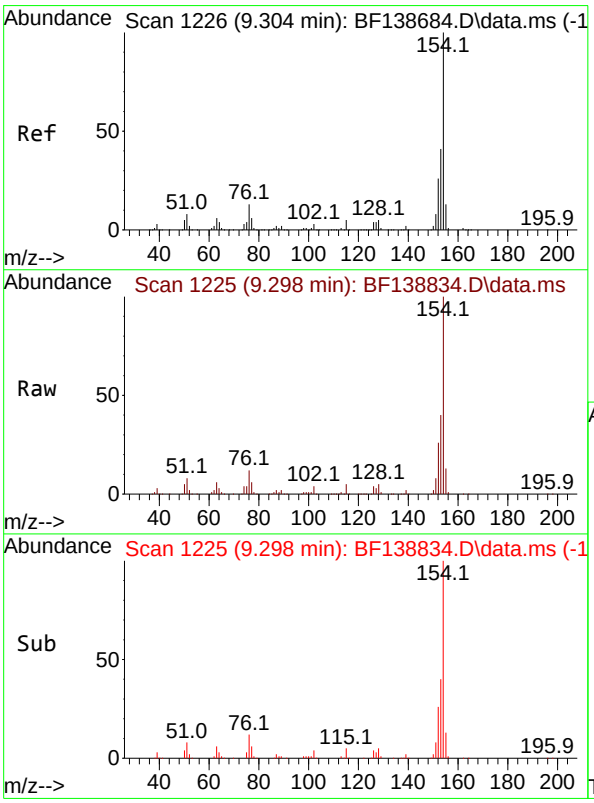
#45
2-Fluorobiphenyl
Concen: 84.384 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 652974

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	23.2	18.8	28.2

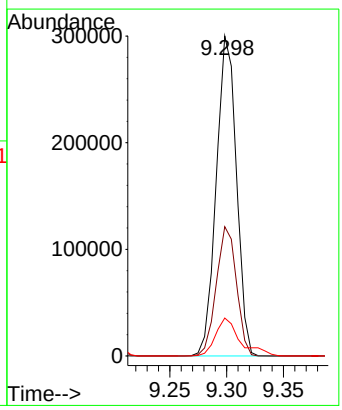


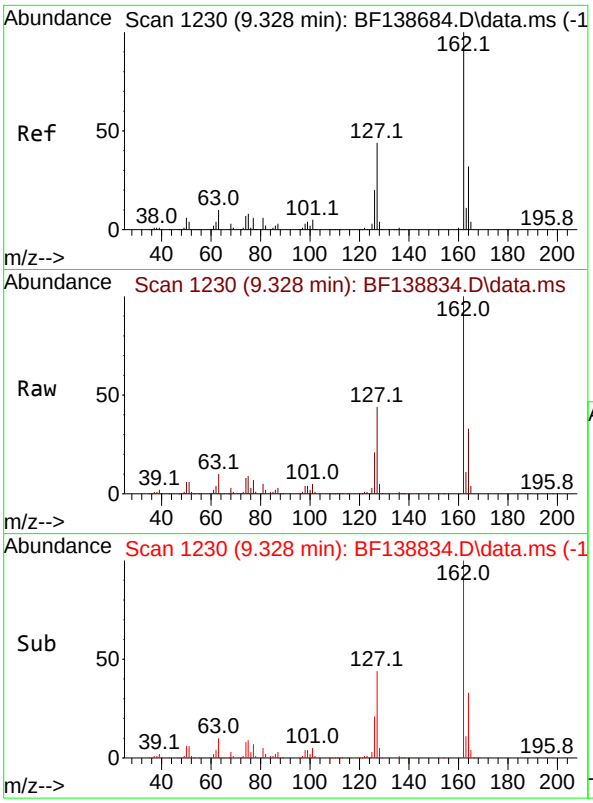


#46
1,1'-Biphenyl
Concen: 40.703 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:154 Resp: 370626

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.8	60.8
76	11.9	0.0	32.8



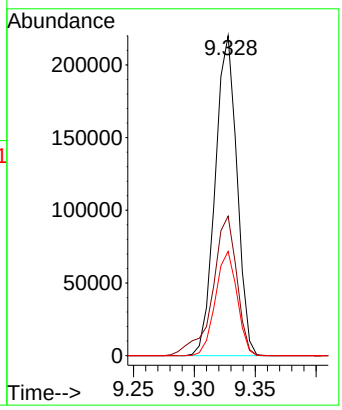


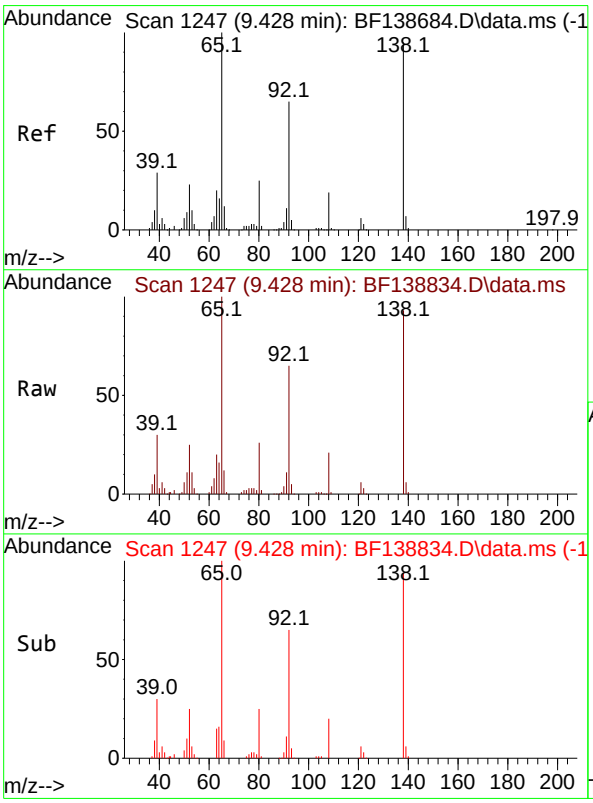
#47
2-Chloronaphthalene
Concen: 40.385 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 273493

Ion	Ratio	Lower	Upper
162	100		
127	43.6	35.4	53.2
164	32.6	25.6	38.4

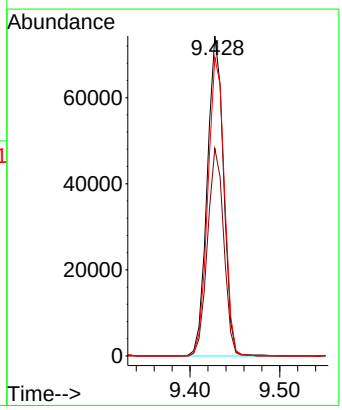


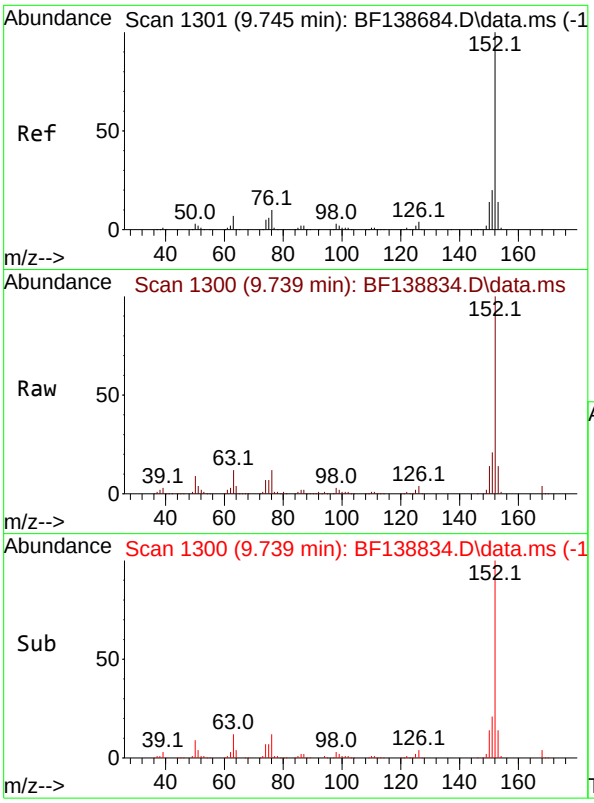


#48
2-Nitroaniline
Concen: 40.863 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 65 Resp: 93816

Ion	Ratio	Lower	Upper
65	100		
92	64.9	52.0	78.0
138	93.4	76.2	114.4



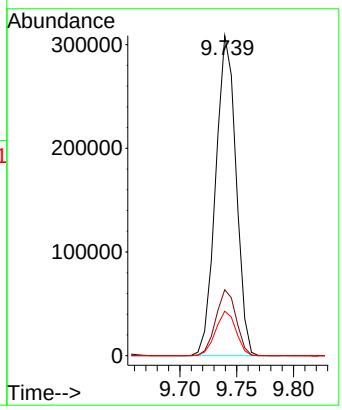


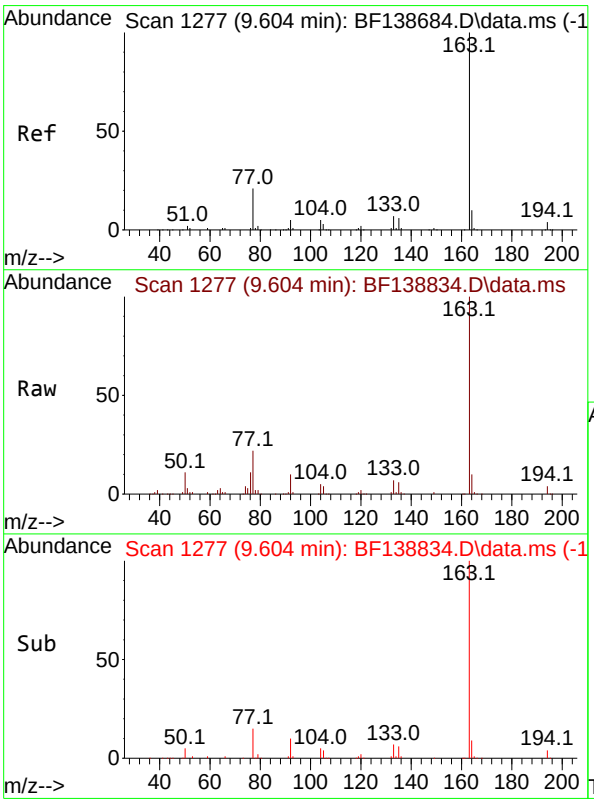
#49
Acenaphthylene
Concen: 40.062 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 384800

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	13.9	11.0	16.4

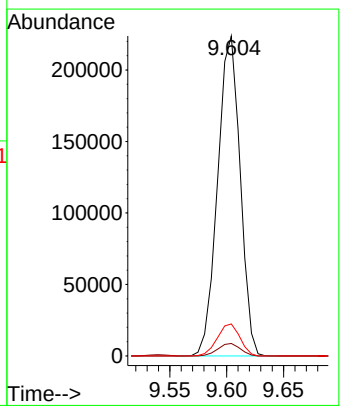


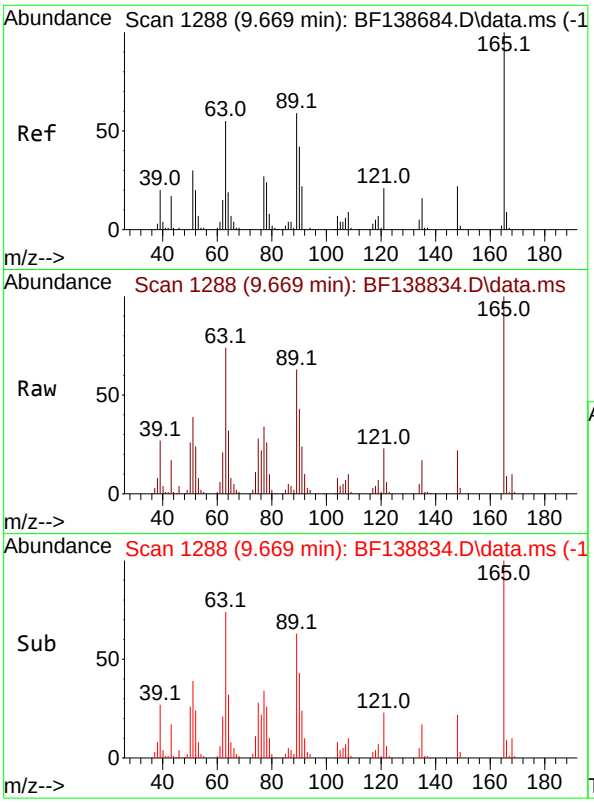


#50
Dimethylphthalate
Concen: 41.542 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:163 Resp: 308827

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.0	7.8	11.8



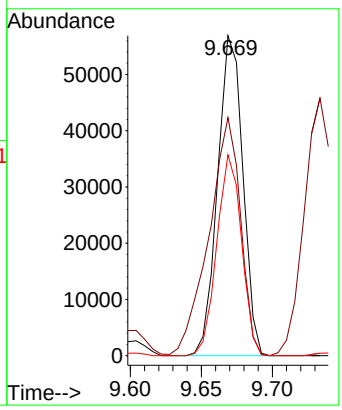


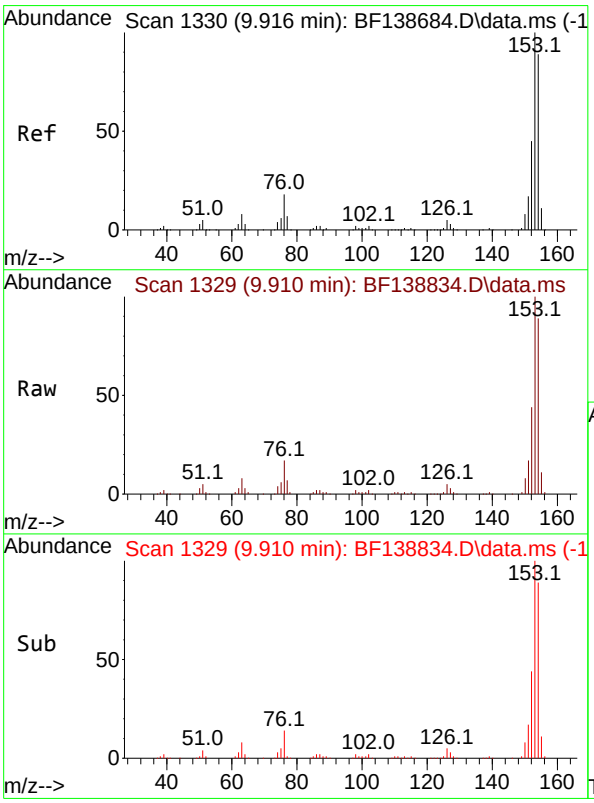
#51
2,6-Dinitrotoluene
Concen: 41.907 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 70309

Ion	Ratio	Lower	Upper
165	100		
63	74.4	52.0	78.0
89	62.7	47.0	70.6

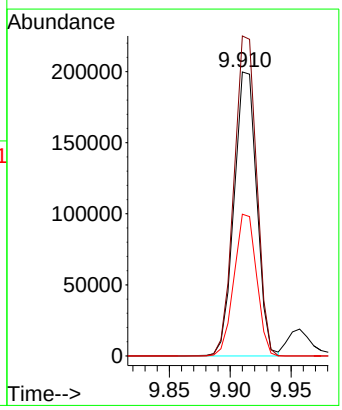


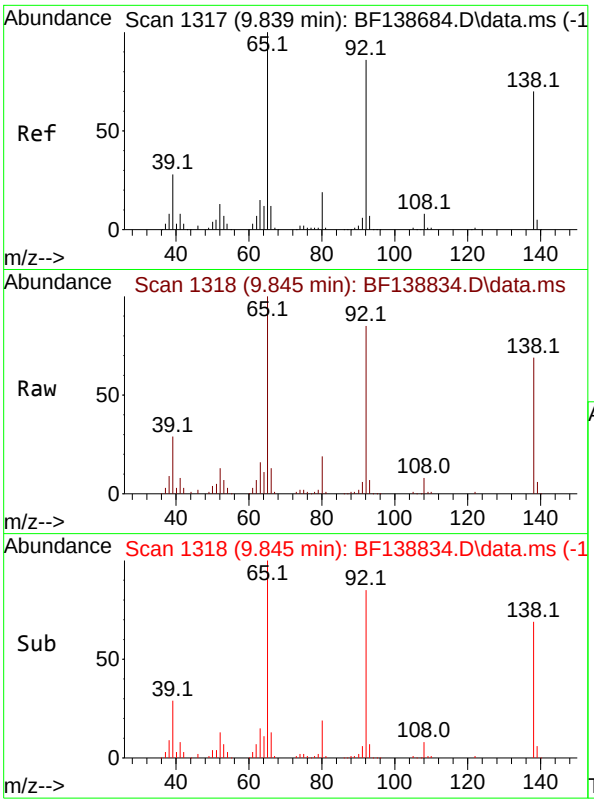


#52
Acenaphthene
Concen: 40.146 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:154 Resp: 259205

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.9	134.9
152	49.9	40.6	60.8



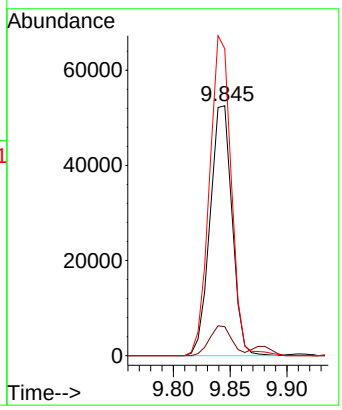


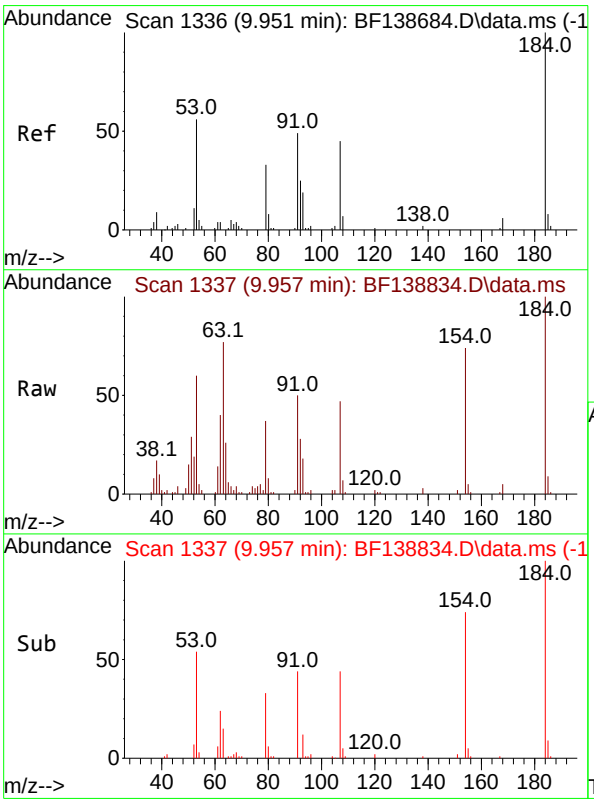
#53
3-Nitroaniline
Concen: 40.914 ng
RT: 9.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 70962

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.1	13.7
92	122.9	98.7	148.1

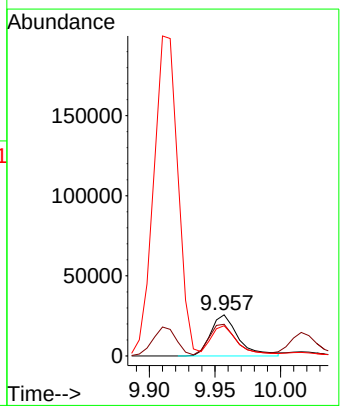


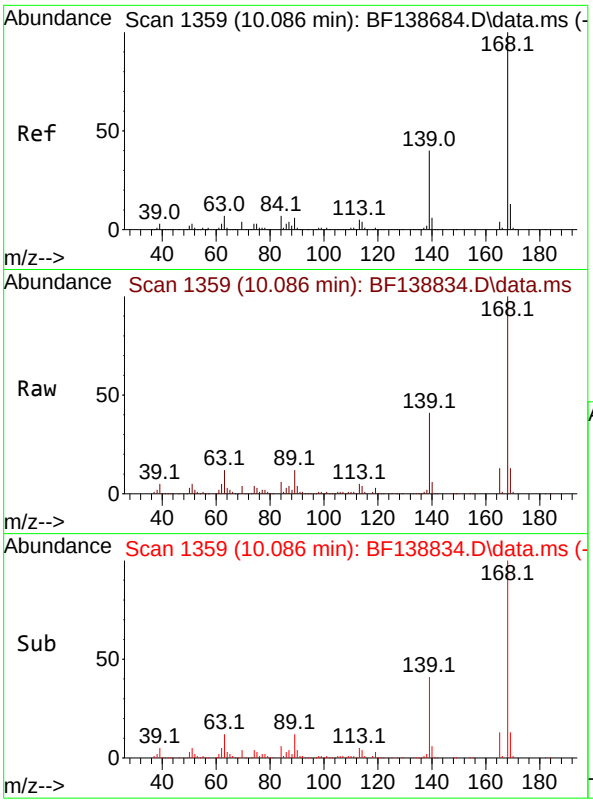


#54
2,4-Dinitrophenol
Concen: 48.693 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:184 Resp: 37607

Ion	Ratio	Lower	Upper
184	100		
63	77.1	57.5	86.3
154	73.6	51.7	77.5



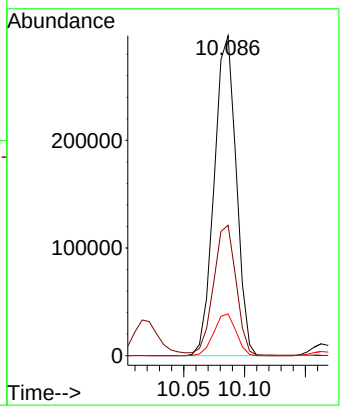


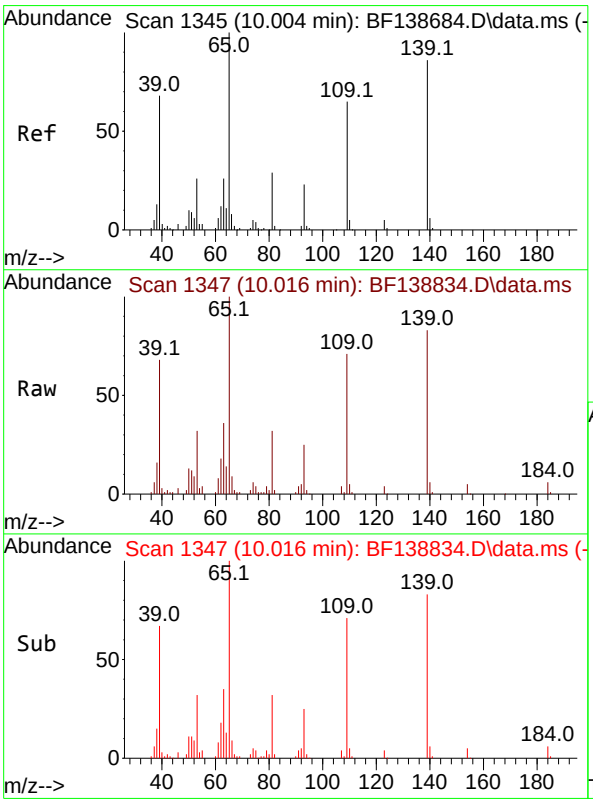
#55
Dibenzofuran
Concen: 41.040 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 374050

Ion	Ratio	Lower	Upper
168	100		
139	40.7	32.6	49.0
169	13.0	10.7	16.1

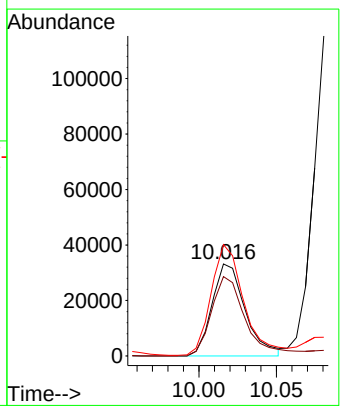


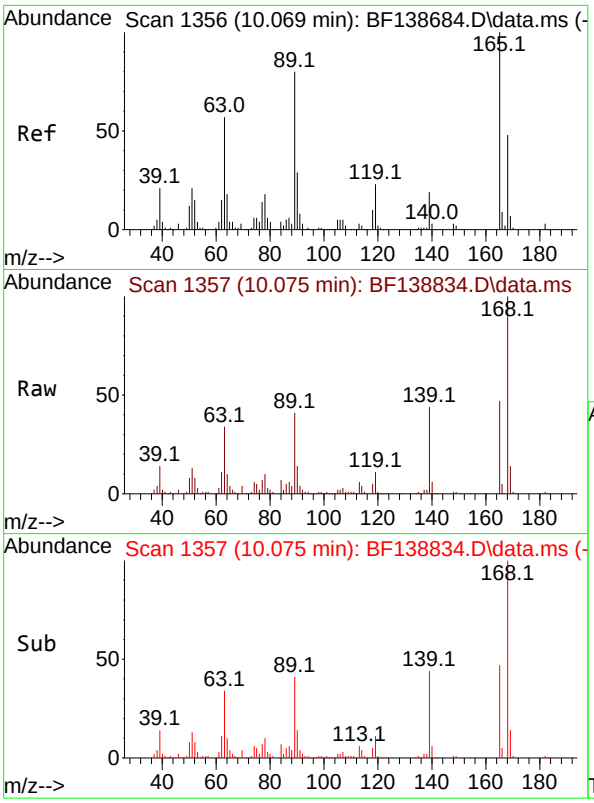


#56
4-Nitrophenol
Concen: 47.350 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:139 Resp: 49386

Ion	Ratio	Lower	Upper
139	100		
109	86.3	55.5	95.5
65	121.0	96.7	136.7



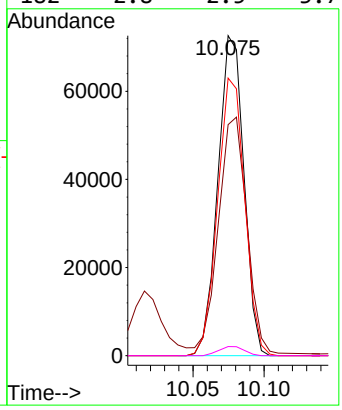


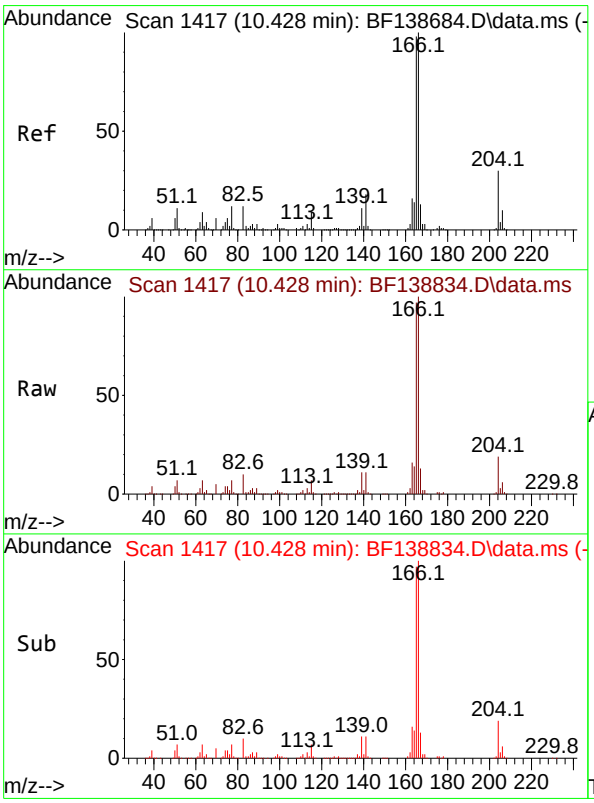
#57
2,4-Dinitrotoluene
Concen: 43.111 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 92280

Ion	Ratio	Lower	Upper
165	100		
63	72.2	46.3	69.5#
89	86.8	64.2	96.4
182	2.8	2.5	3.7

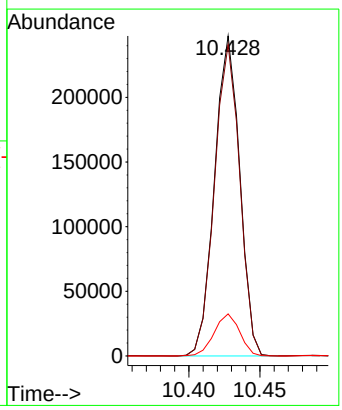


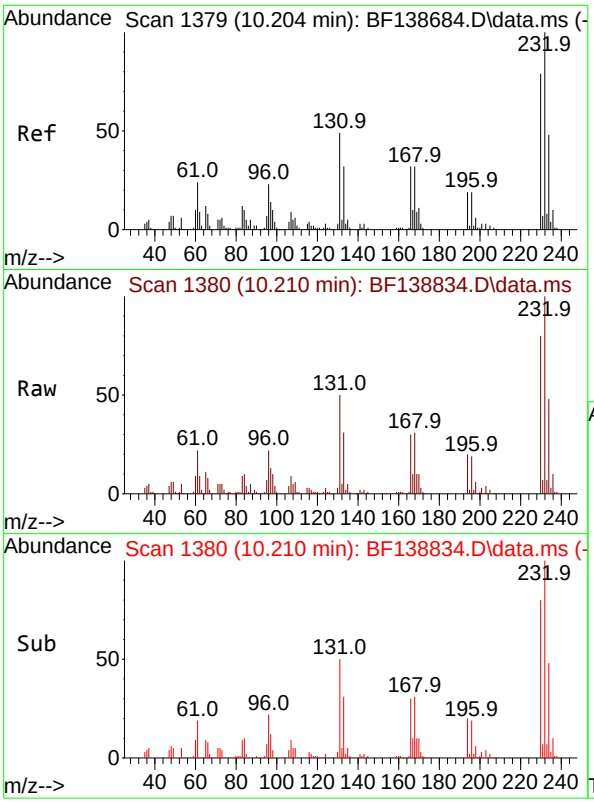


#58
Fluorene
Concen: 42.029 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:166 Resp: 305046

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.4	117.6
167	13.1	10.6	16.0



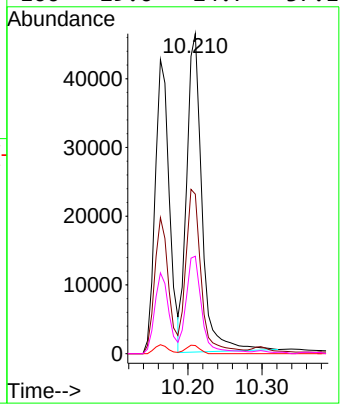


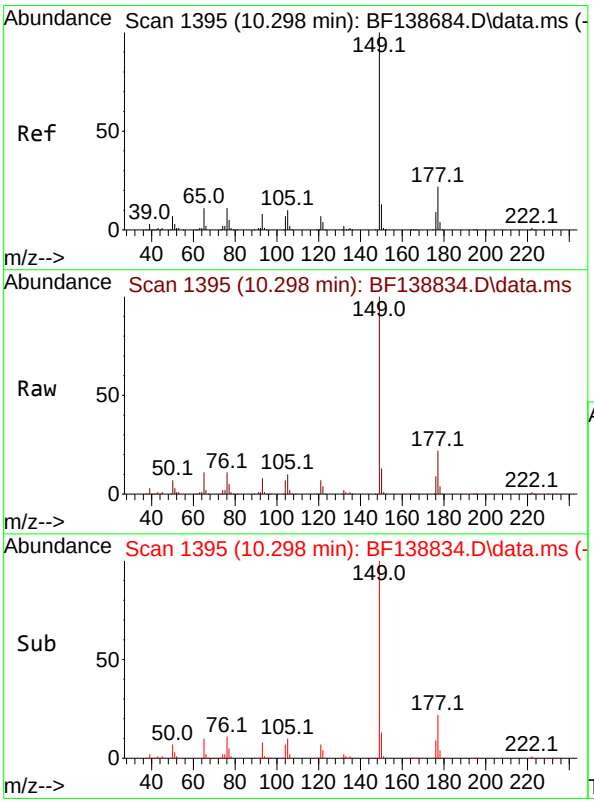
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.256 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 66253

Ion	Ratio	Lower	Upper
232	100		
131	51.4	37.0	55.4
130	2.4	2.0	3.0
166	29.6	24.7	37.1

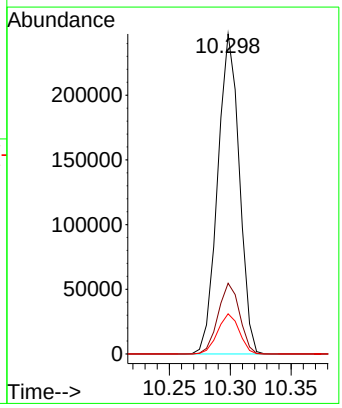


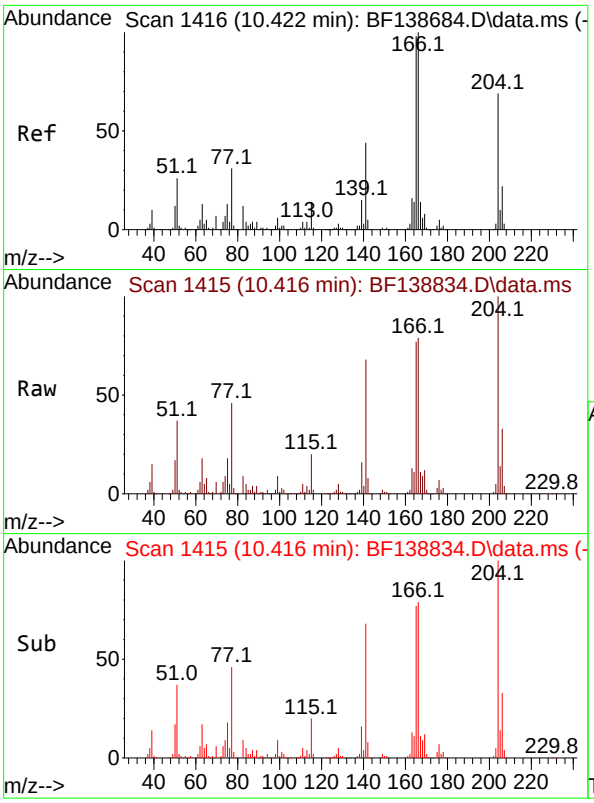


#60
Diethylphthalate
Concen: 43.424 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:149 Resp: 306088

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.8	26.8
150	12.6	10.1	15.1



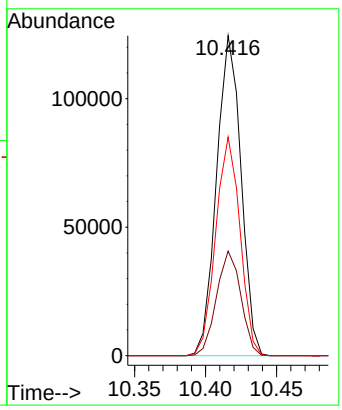


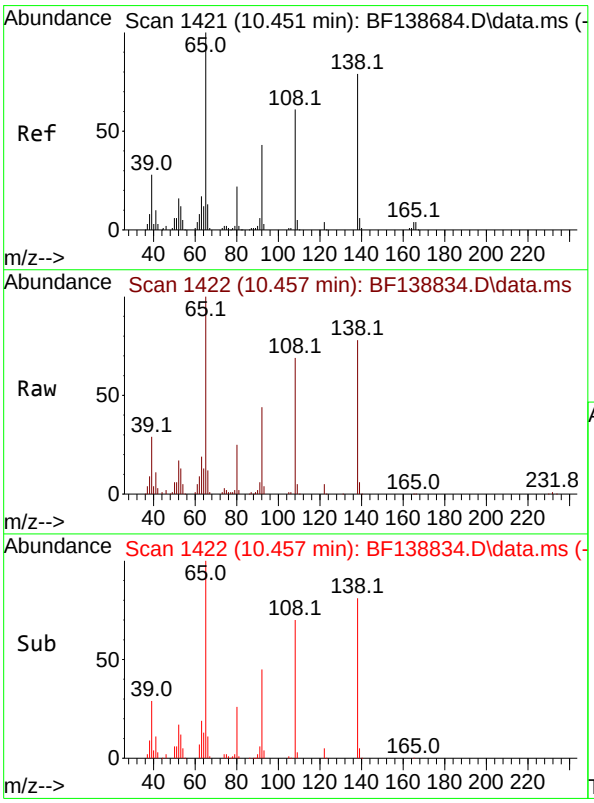
#61
4-Chlorophenyl-phenylether
Concen: 41.796 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 149196

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.1	39.1
141	68.3	51.4	77.0

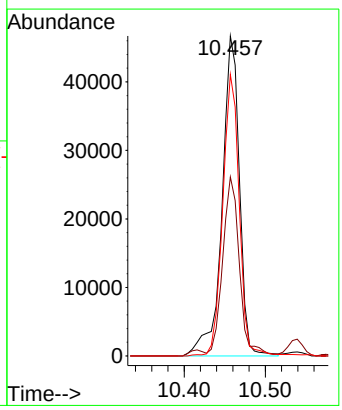


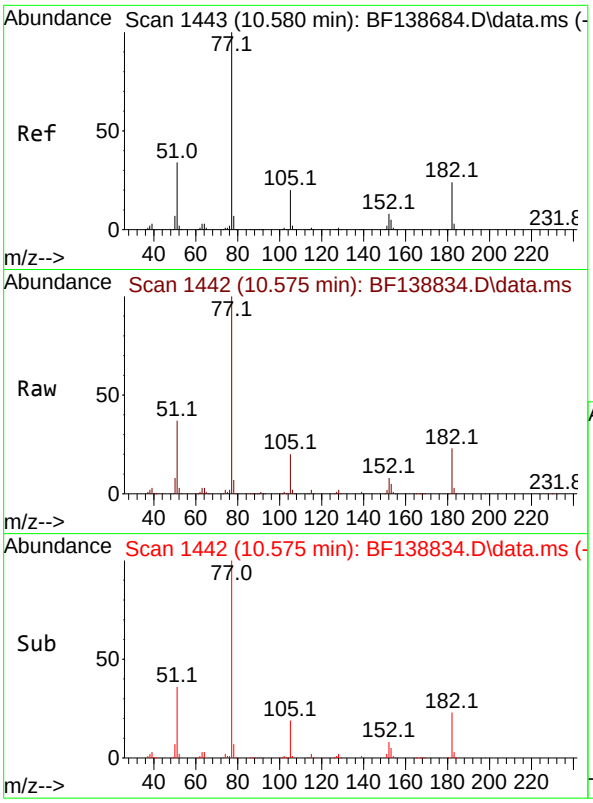


#62
4-Nitroaniline
Concen: 42.315 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:138 Resp: 69745

Ion	Ratio	Lower	Upper
138	100		
92	55.9	34.2	74.2
108	88.0	56.2	96.2



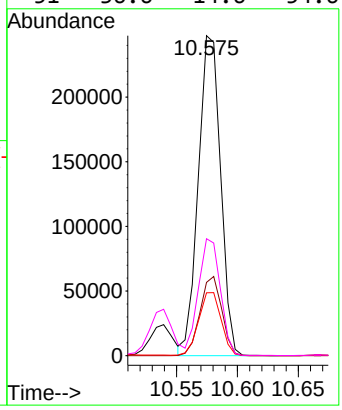


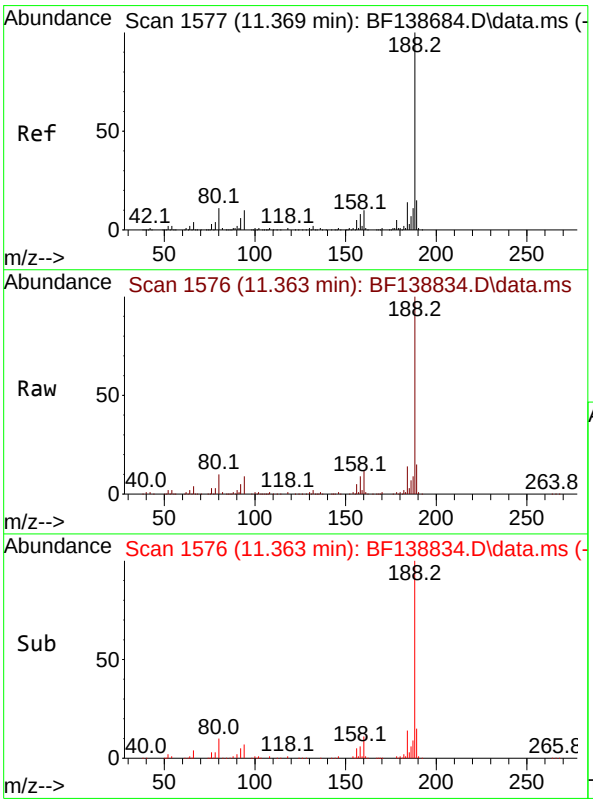
#63
Azobenzene
Concen: 40.362 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 315548

Ion	Ratio	Lower	Upper
77	100		
182	22.9	3.4	43.4
105	19.6	0.2	40.2
51	36.6	14.6	54.6

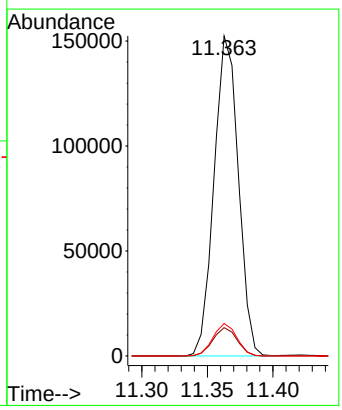


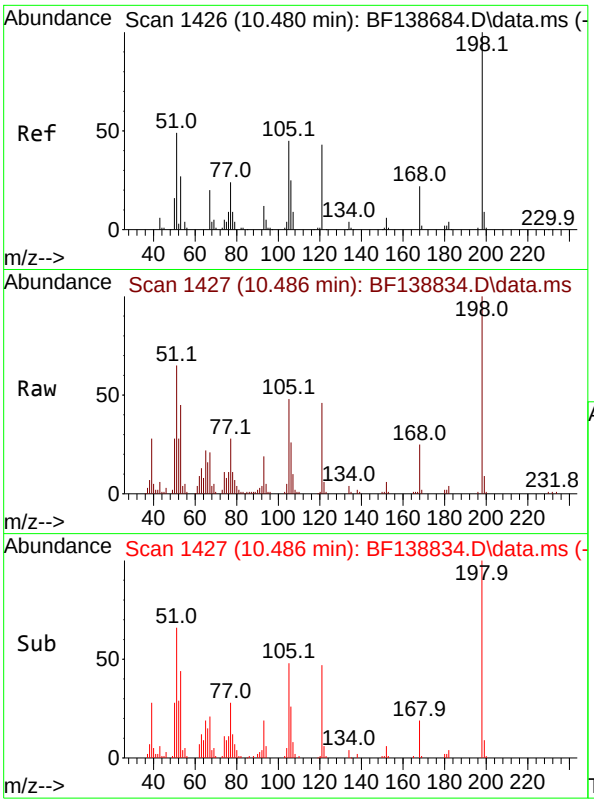


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:188 Resp: 196393

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.6	11.4
80	10.1	8.6	12.8



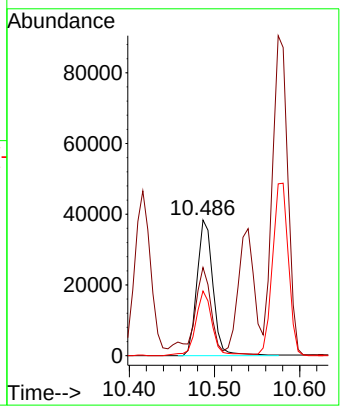


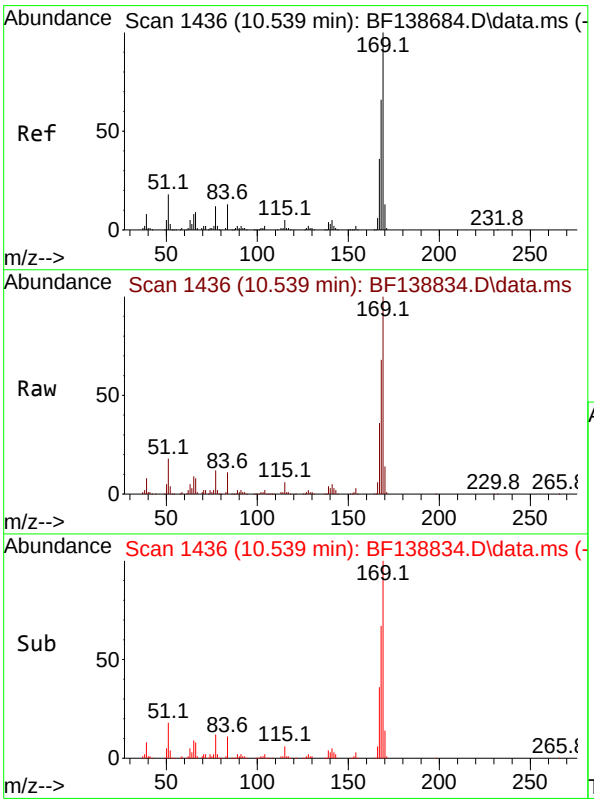
#65
4,6-Dinitro-2-methylphenol
Concen: 41.863 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 50159

Ion	Ratio	Lower	Upper
198	100		
51	64.9	39.9	79.9
105	47.6	26.1	66.1

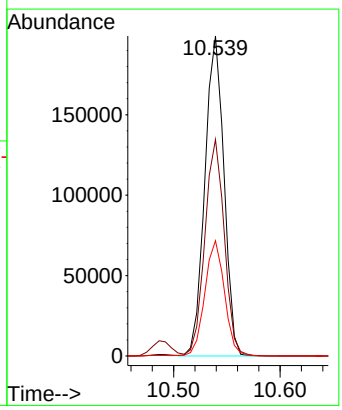


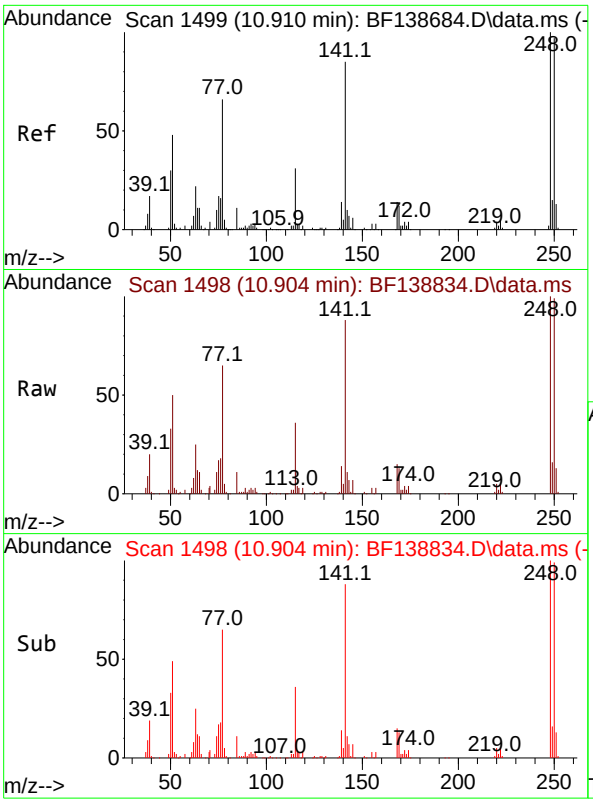


#66
n-Nitrosodiphenylamine
Concen: 40.418 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:169 Resp: 248120

Ion	Ratio	Lower	Upper
169	100		
168	67.7	53.0	79.6
167	36.0	29.0	43.6



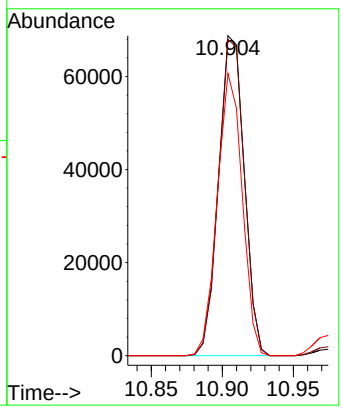


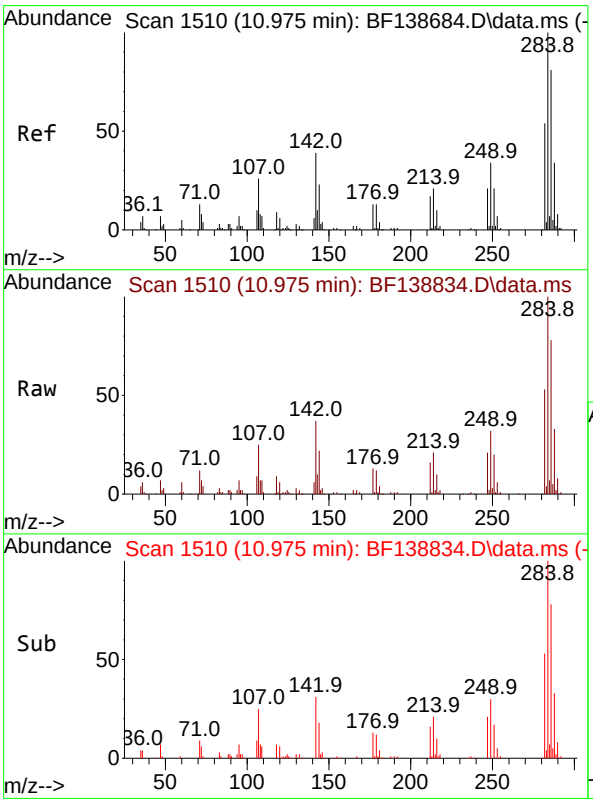
#67
4-Bromophenyl-phenylether
Concen: 40.780 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 86712

Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.7	116.5
141	88.2	68.0	102.0

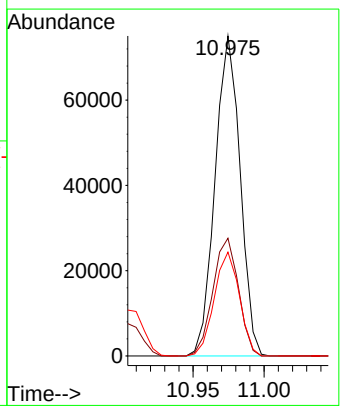


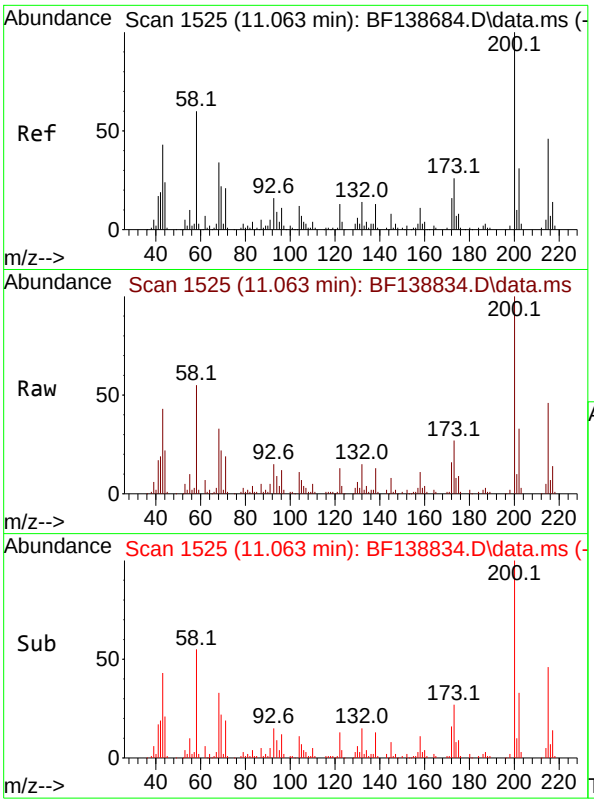


#68
Hexachlorobenzene
Concen: 41.919 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:284 Resp: 92031

Ion	Ratio	Lower	Upper
284	100		
142	36.8	31.3	46.9
249	32.5	27.2	40.8



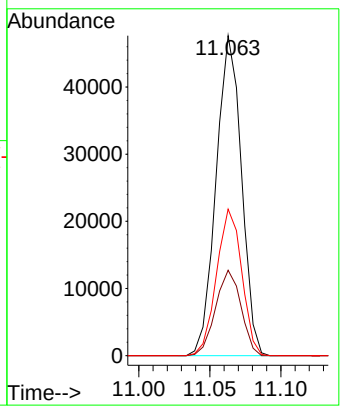


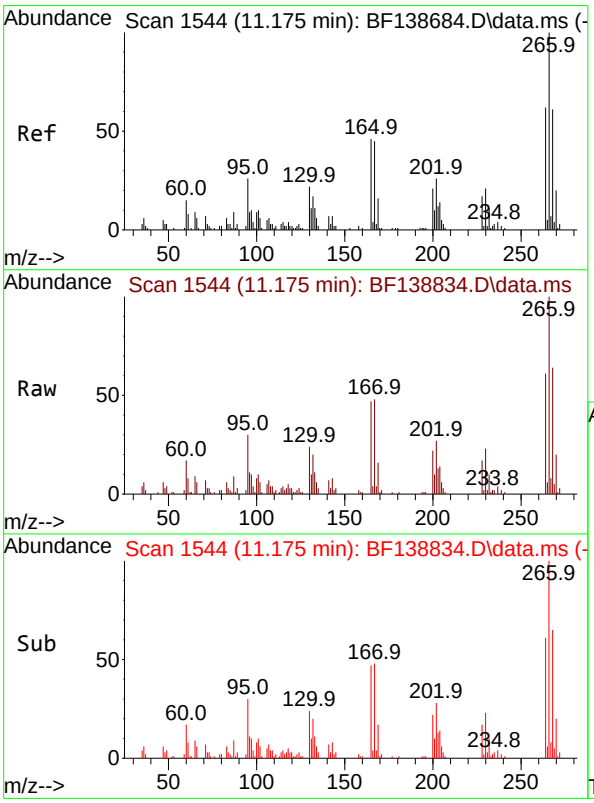
#69
Atrazine
Concen: 37.299 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 59075

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.0	46.0
215	45.8	26.1	66.1

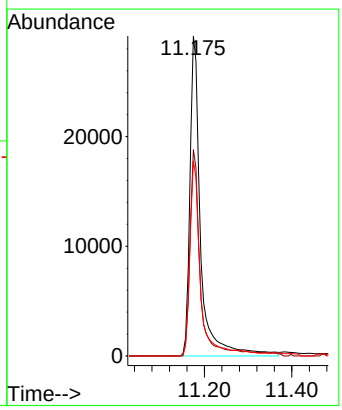


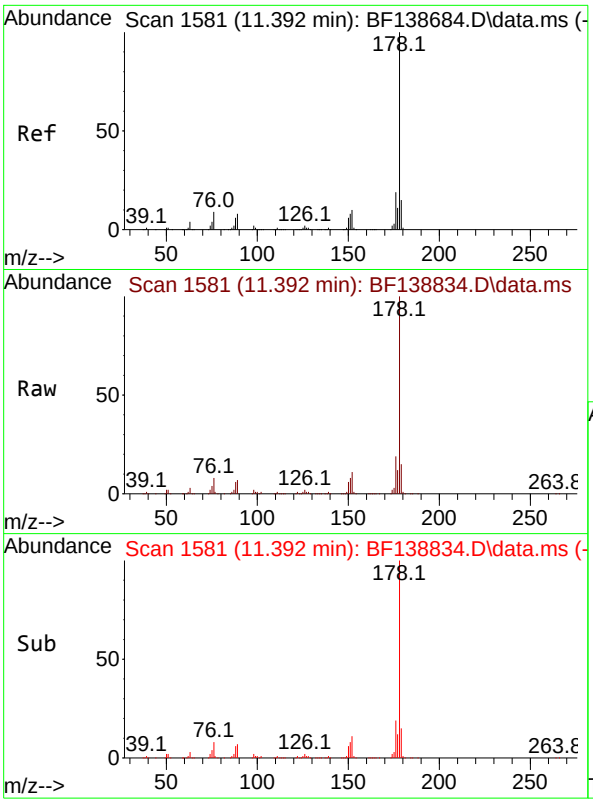


#70
Pentachlorophenol
Concen: 50.395 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:266 Resp: 49870

Ion	Ratio	Lower	Upper
266	100		
268	64.5	49.2	73.8
264	61.0	49.8	74.6



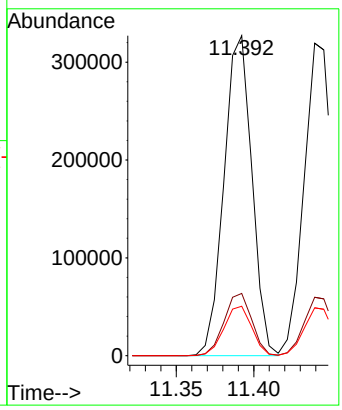


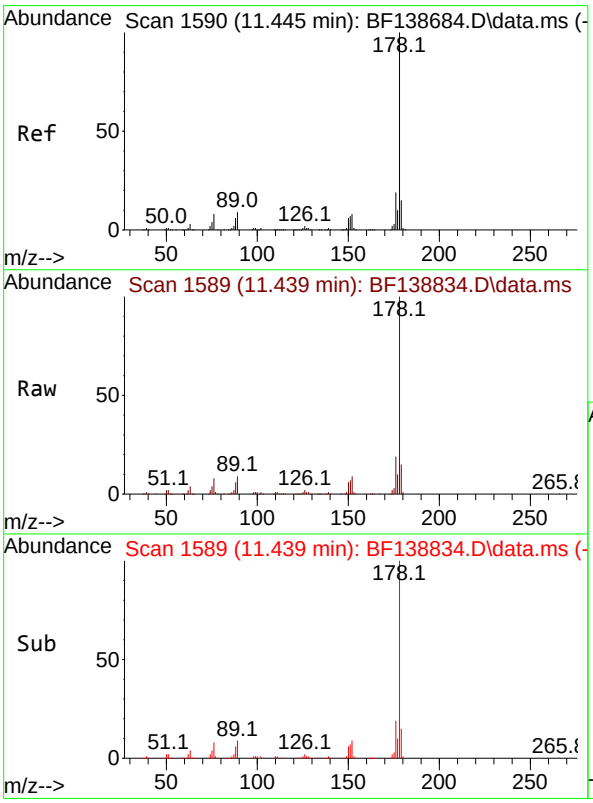
#71
Phenanthrene
Concen: 40.551 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 410078

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.2	18.2

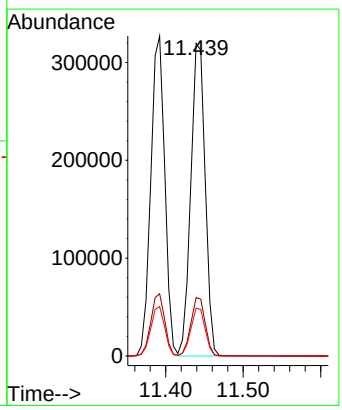


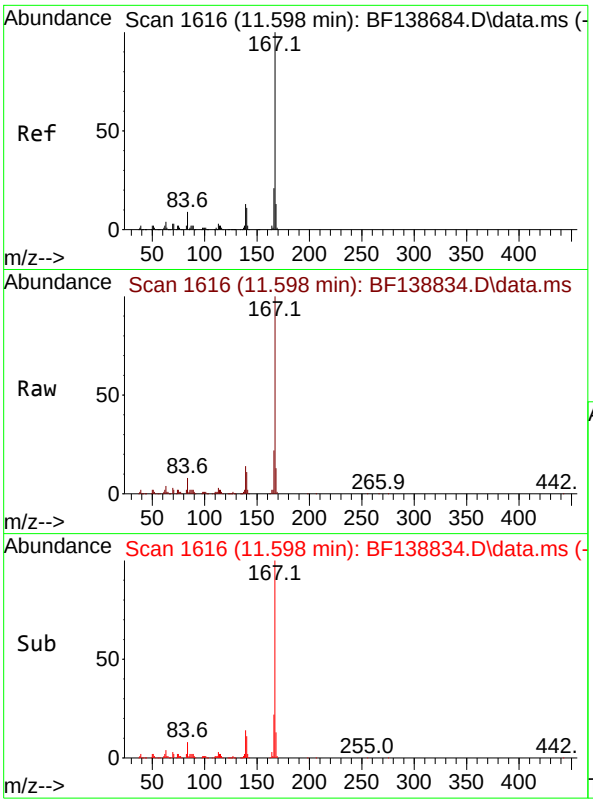


#72
Anthracene
Concen: 41.374 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:178 Resp: 412183

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.3	12.4	18.6



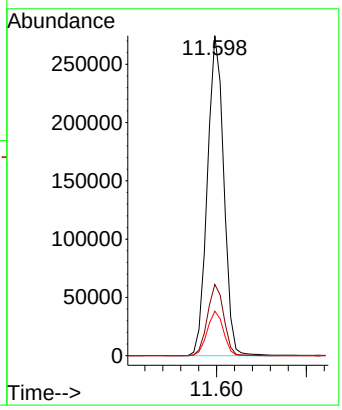


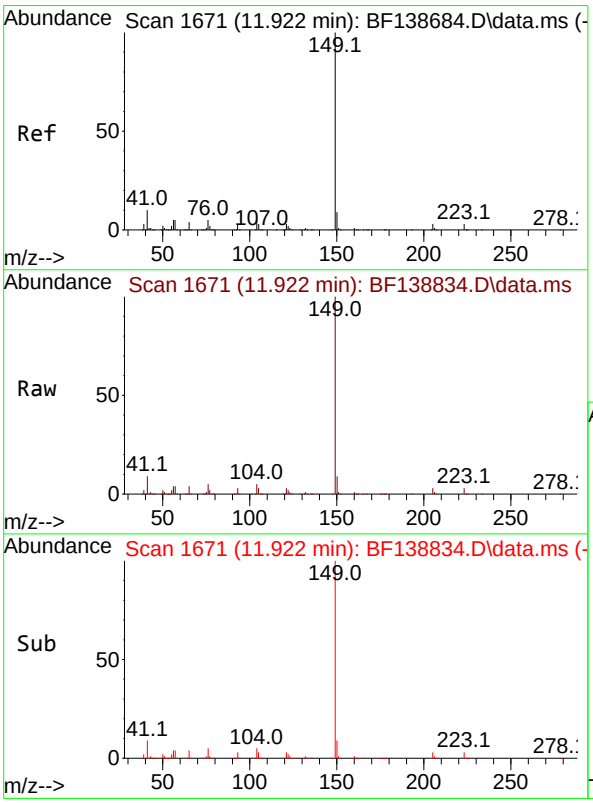
#73
Carbazole
Concen: 40.547 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 348504

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.2	25.8
139	13.9	10.6	16.0

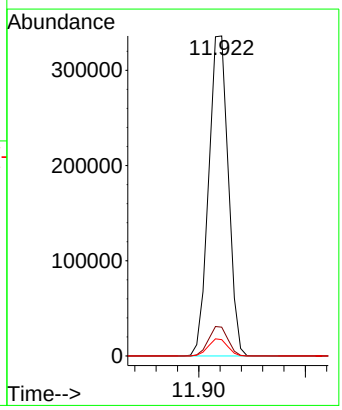


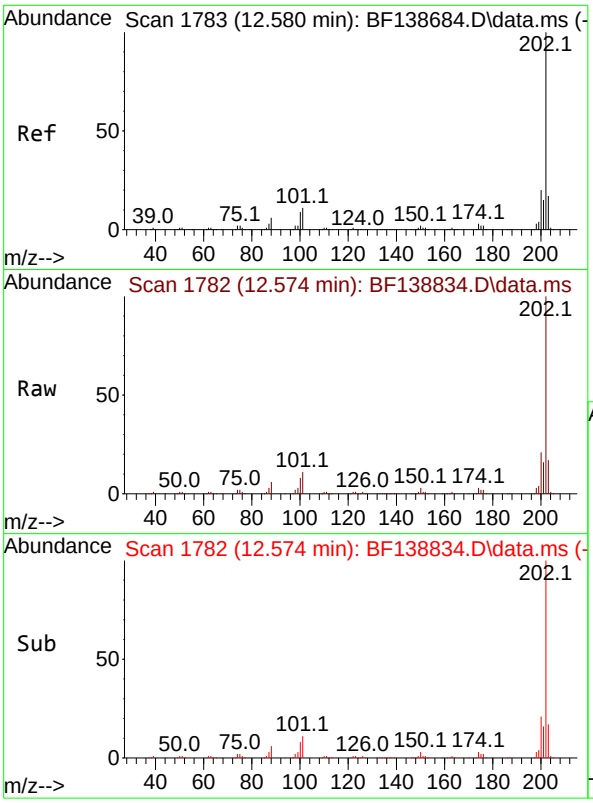


#74
Di-n-butylphthalate
Concen: 44.439 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:149 Resp: 429382

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.1	4.1	6.1



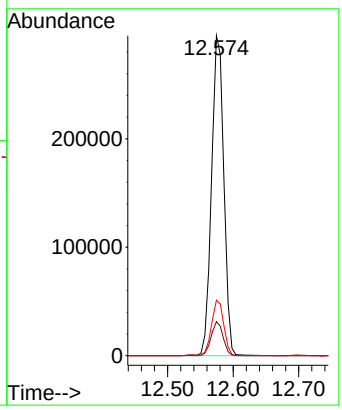


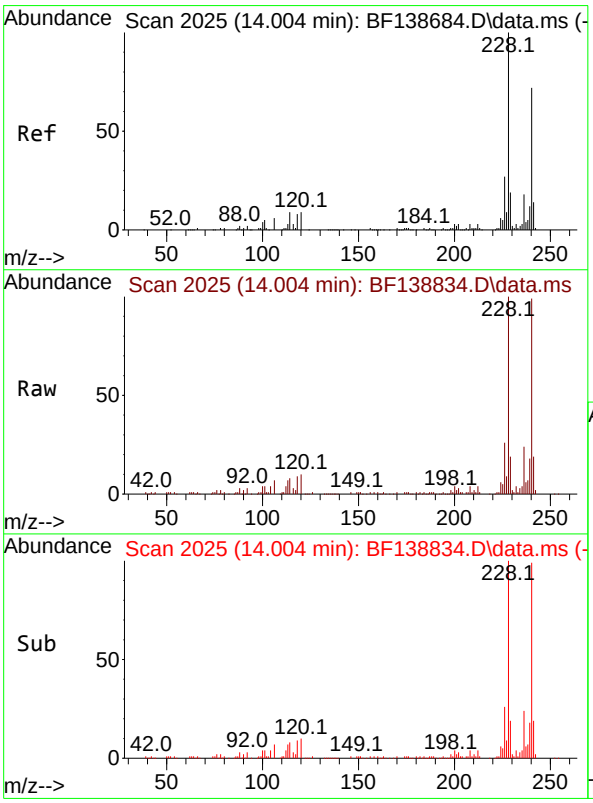
#75
Fluoranthene
Concen: 40.665 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 383912

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.2
203	17.4	0.0	37.3

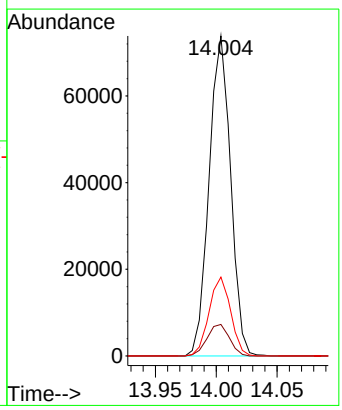


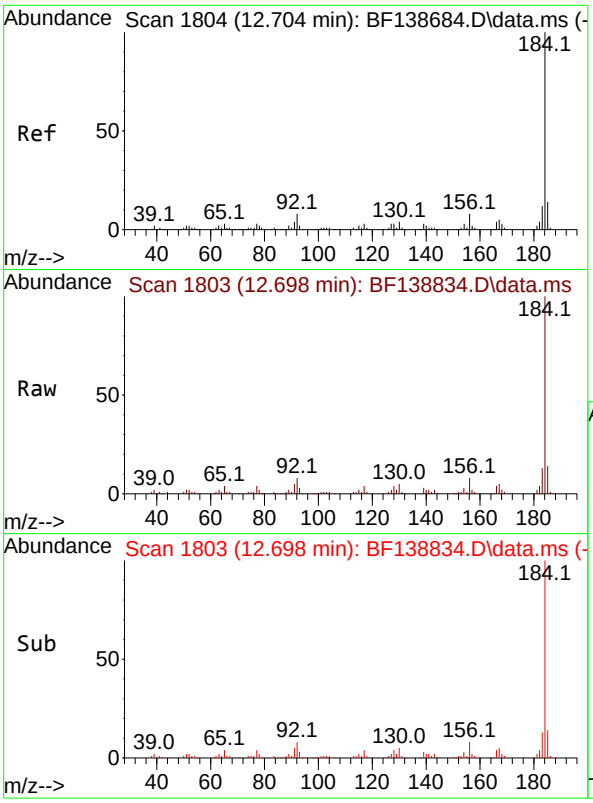


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:240 Resp: 90664

Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.2	15.4#
236	24.7	19.8	29.8



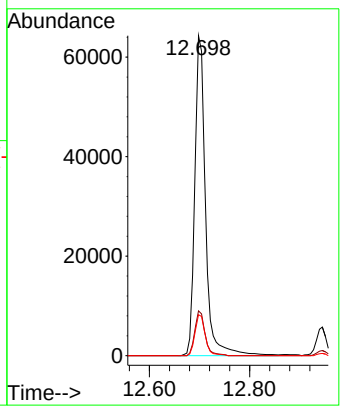


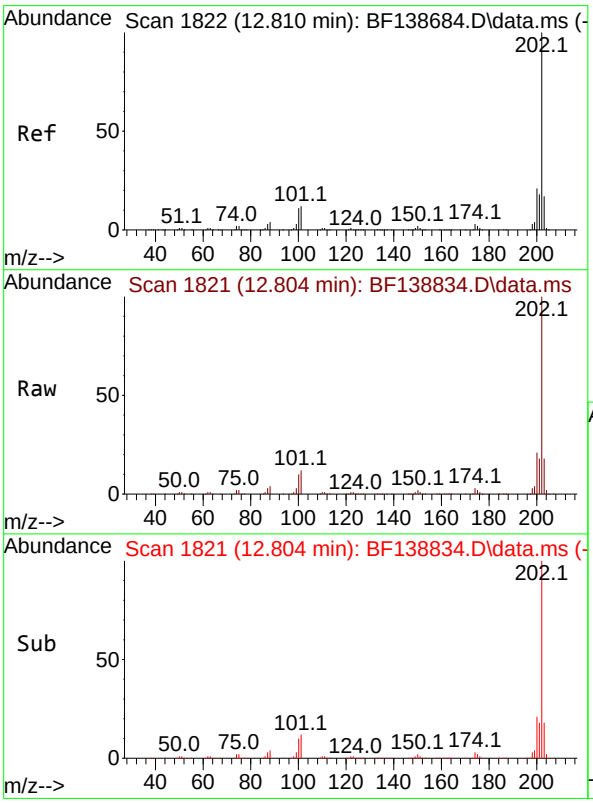
#77
Benzidine
Concen: 44.125 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 95687

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.1	16.7
183	12.8	9.6	14.4

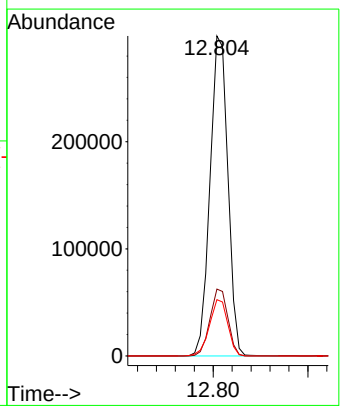


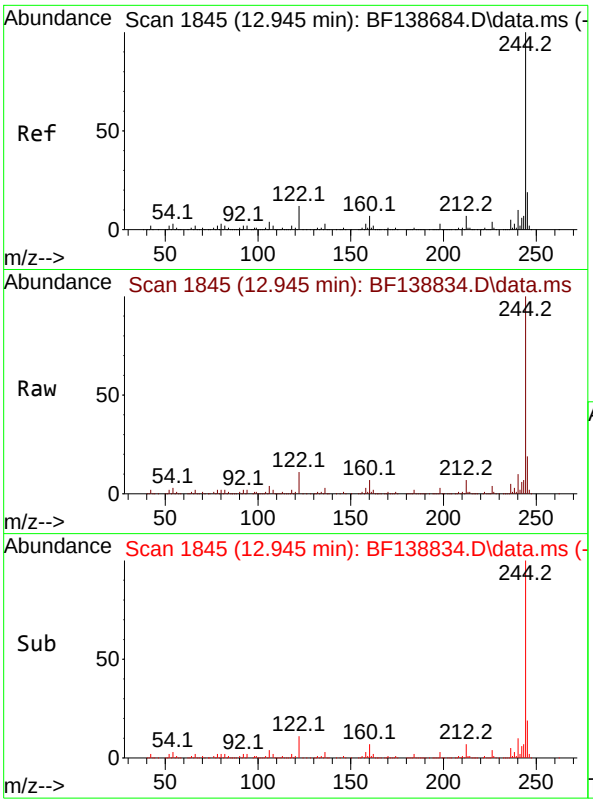


#78
Pyrene
Concen: 45.775 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:202 Resp: 390753

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.6	13.8	20.6



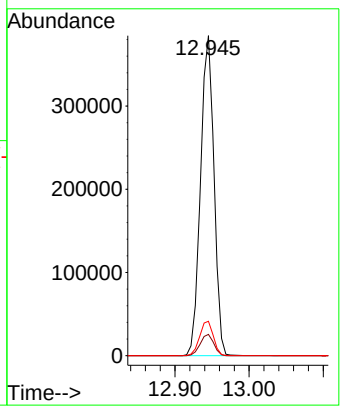


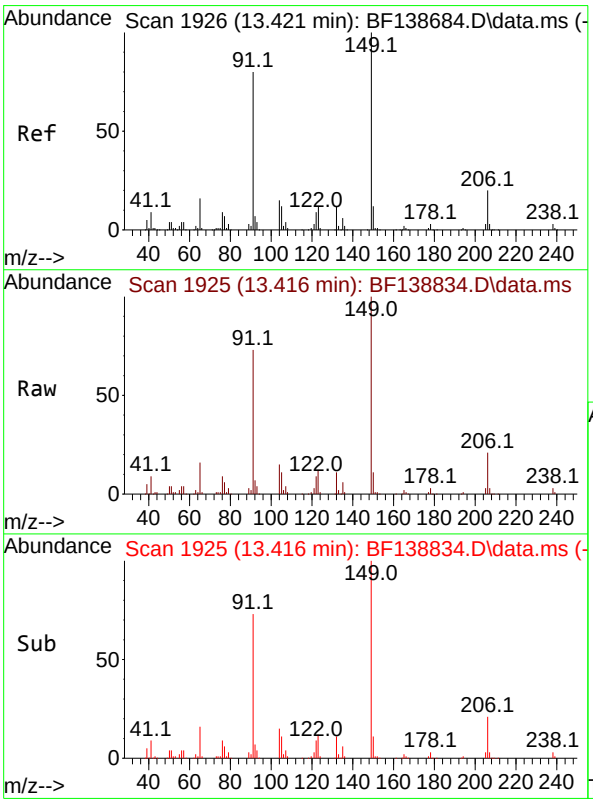
#79
Terphenyl-d14
Concen: 89.697 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 485722

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.8	9.6	14.4

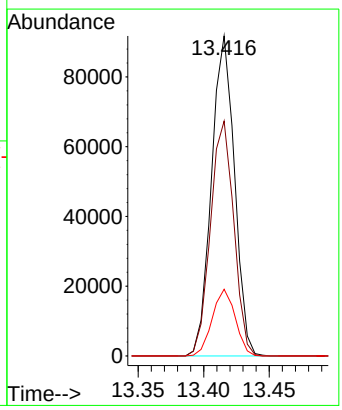


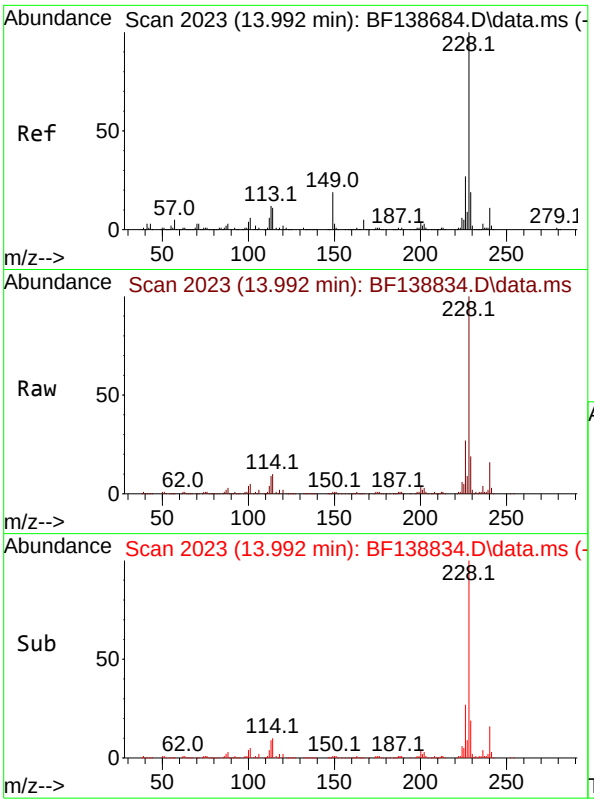


#80
Butylbenzylphthalate
Concen: 40.905 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:149 Resp: 111817

Ion	Ratio	Lower	Upper
149	100		
91	73.4	63.7	95.5
206	20.9	16.2	24.2



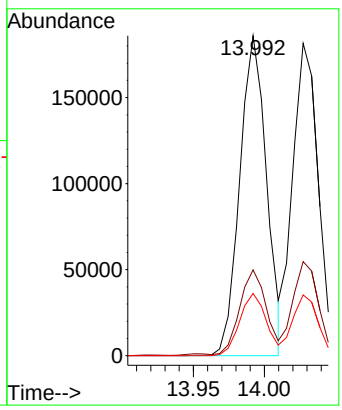


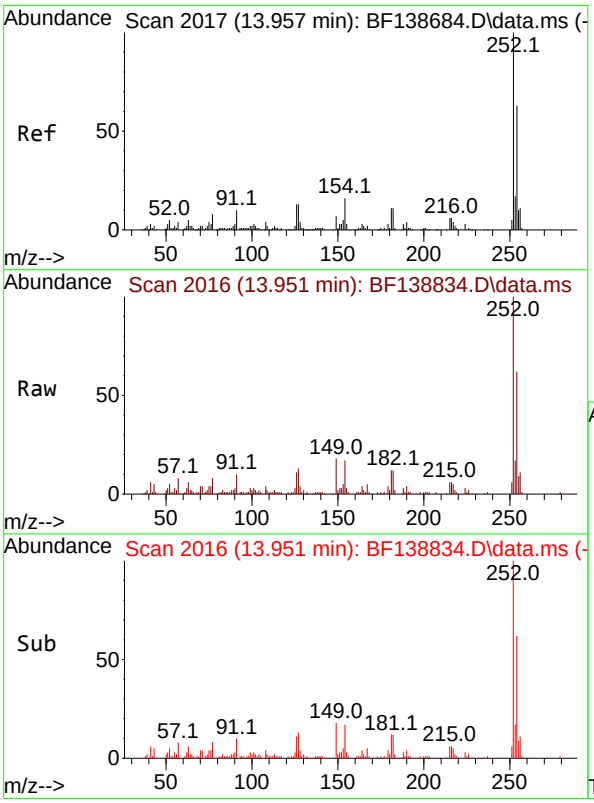
#81
Benzo(a)anthracene
Concen: 39.044 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 243765

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.1	33.1
229	19.4	15.4	23.0

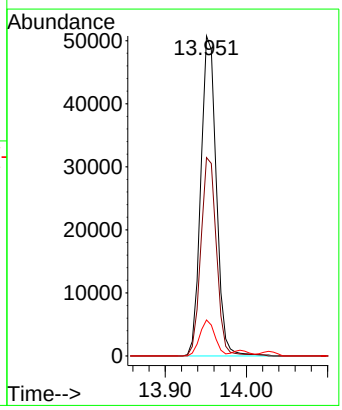


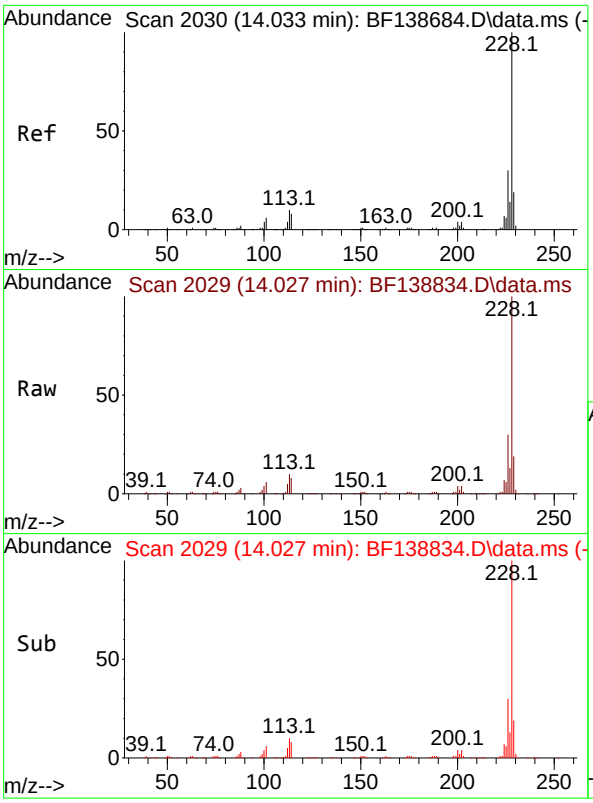


#82
3,3'-Dichlorobenzidine
Concen: 42.093 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:252 Resp: 67251

Ion	Ratio	Lower	Upper
252	100		
254	62.0	50.8	76.2
126	11.3	10.2	15.2



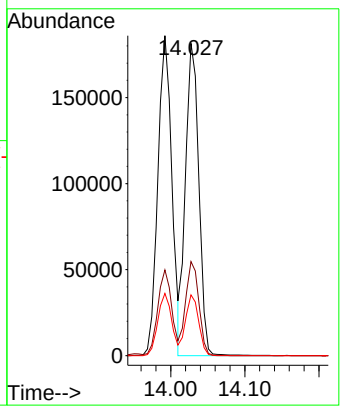


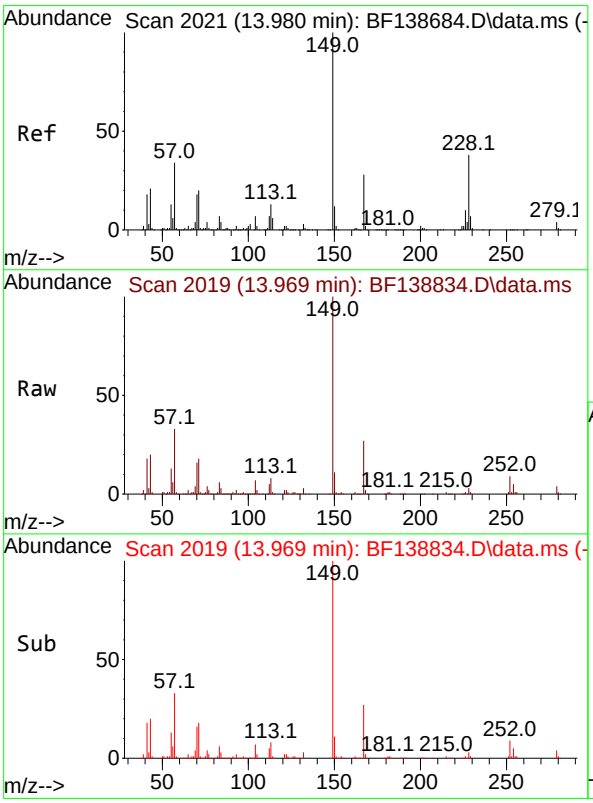
#83
Chrysene
Concen: 40.317 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 227091

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	19.5	15.0	22.6

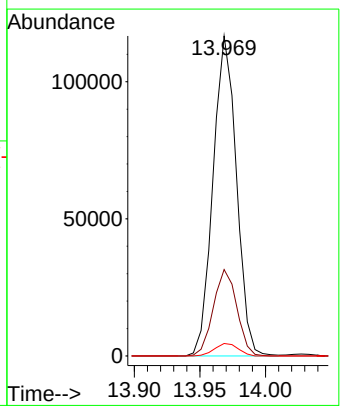


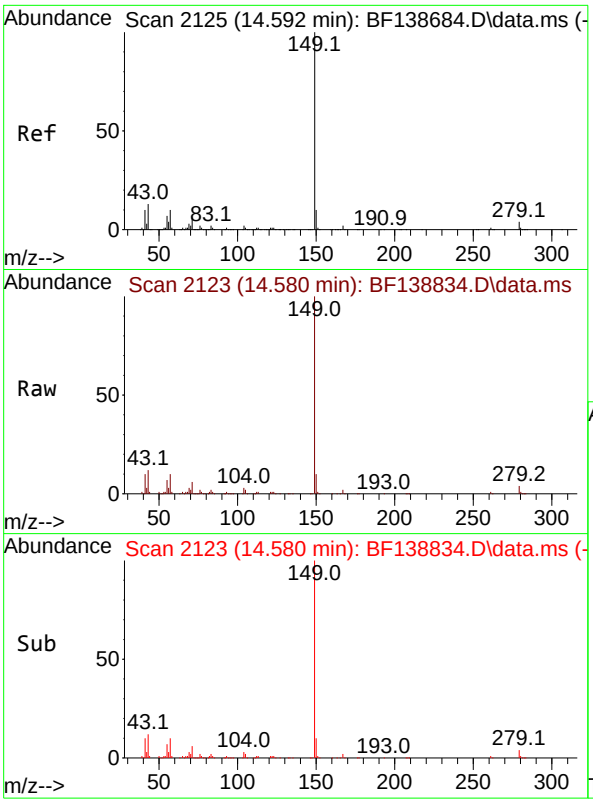


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.147 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:149 Resp: 144689

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.4
279	3.9	3.4	5.0



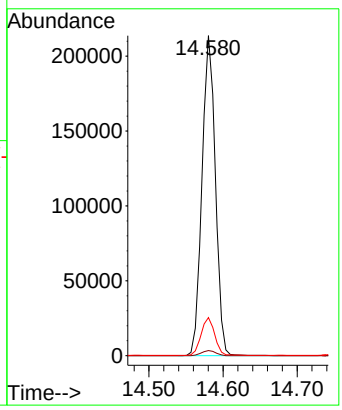


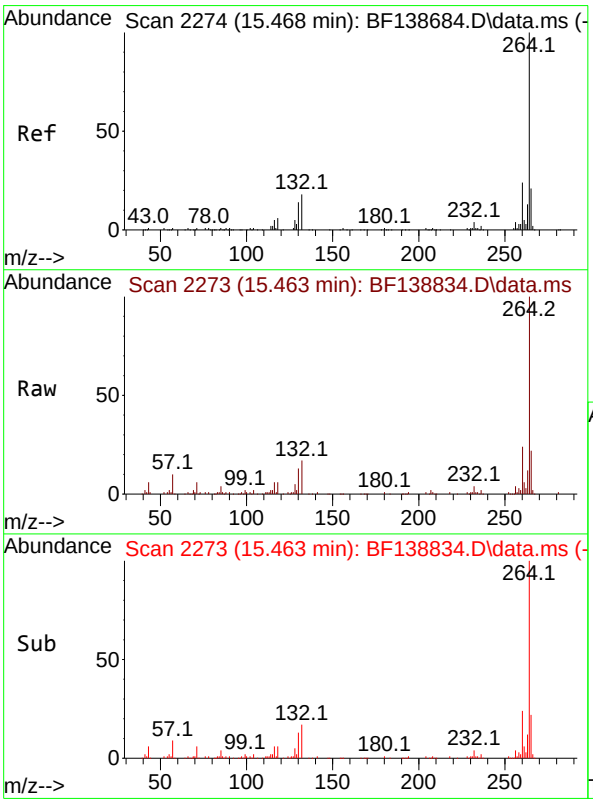
#85
Di-n-octyl phthalate
Concen: 36.186 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 267993

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	12.0	10.4	15.6

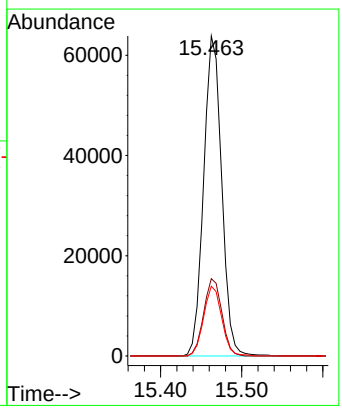


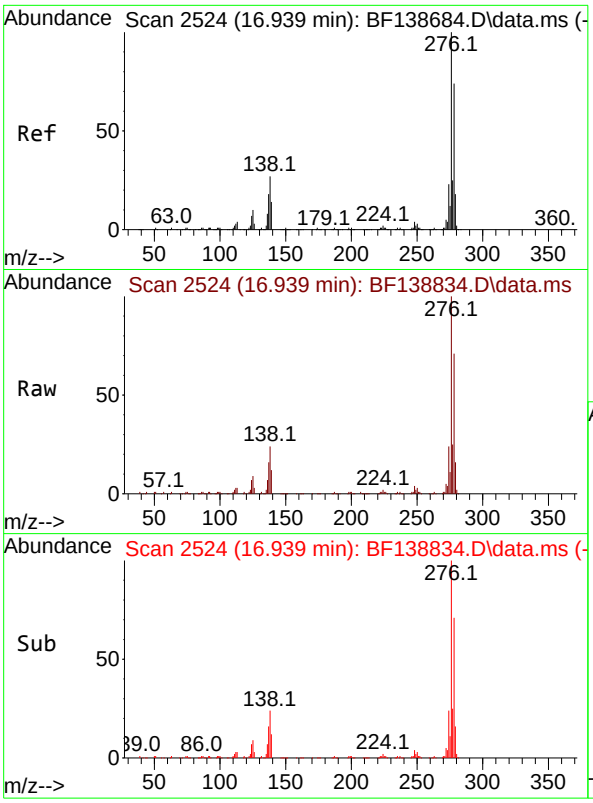


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:264 Resp: 98369

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.8	17.0	25.6



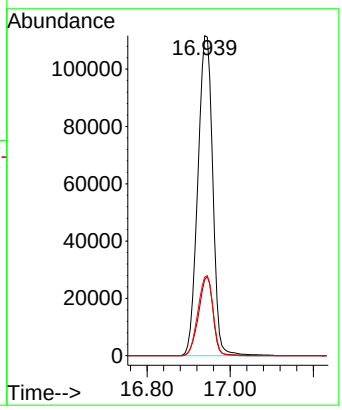


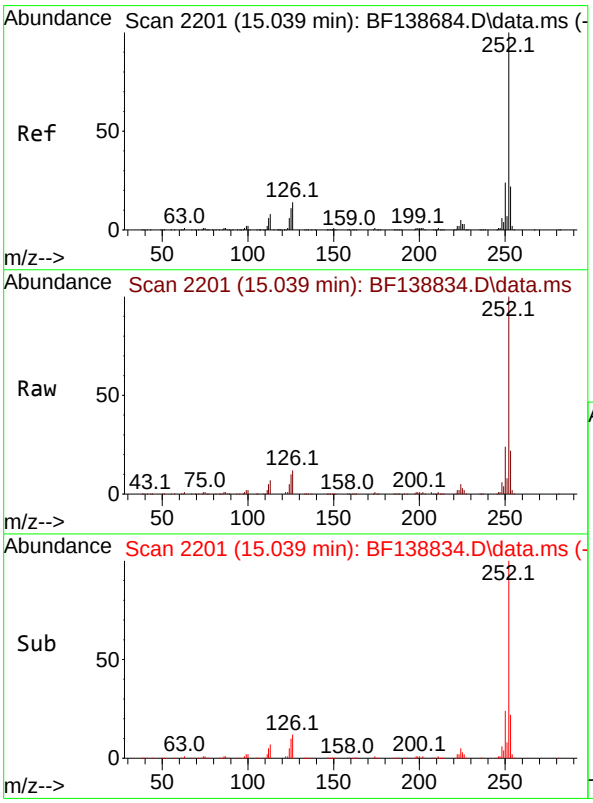
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.456 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 278145

Ion	Ratio	Lower	Upper
276	100		
138	23.9	21.8	32.8
277	25.2	20.6	30.8

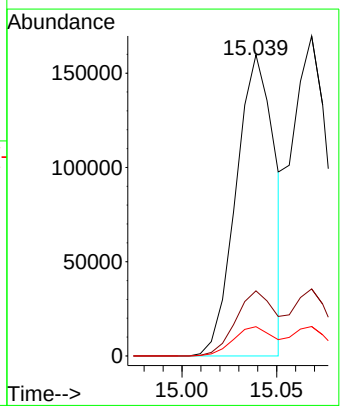


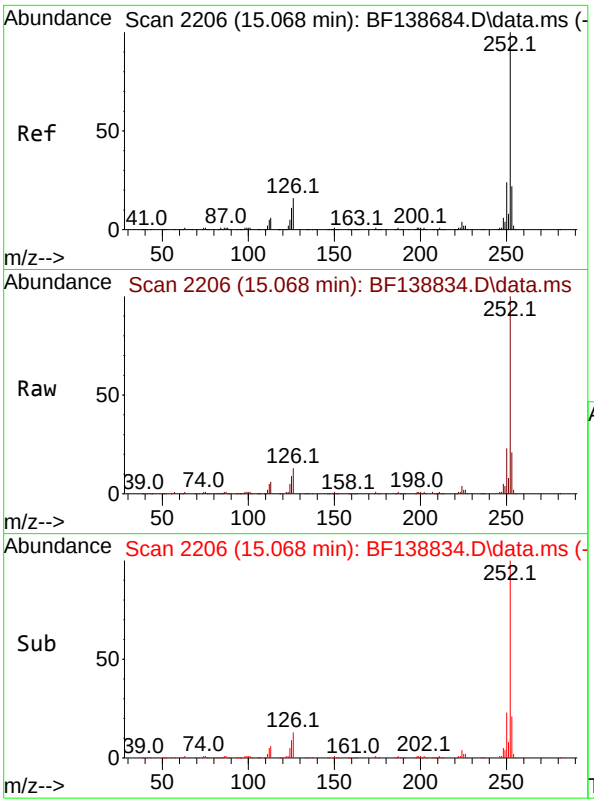


#88
Benzo(b)fluoranthene
Concen: 37.113 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:252 Resp: 226312

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	9.7	8.9	13.3



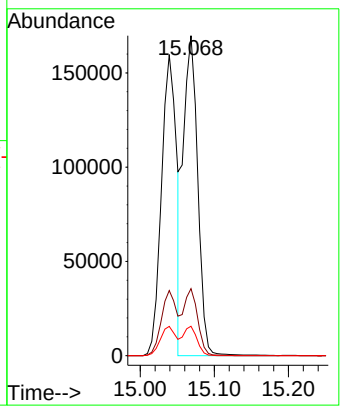


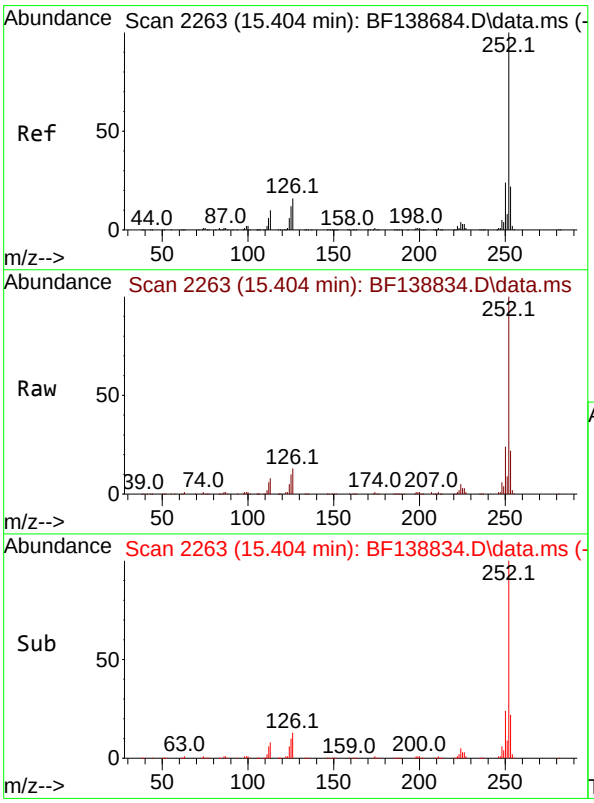
#89
Benzo(k)fluoranthene
Concen: 43.425 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 229269

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.0
125	9.2	8.6	13.0

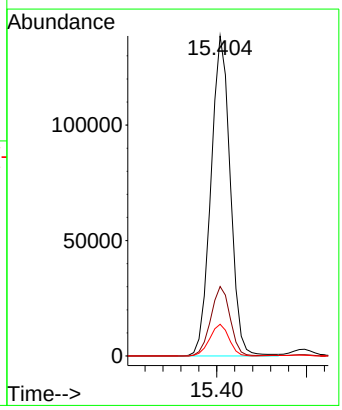


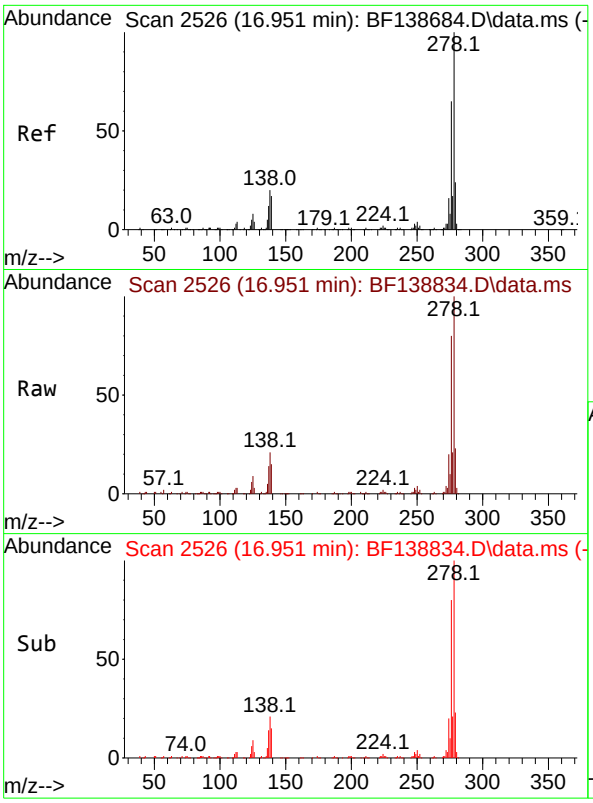


#90
Benzo(a)pyrene
Concen: 40.488 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:252 Resp: 207673

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	9.9	9.5	14.3



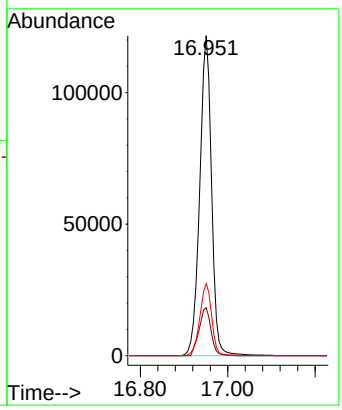


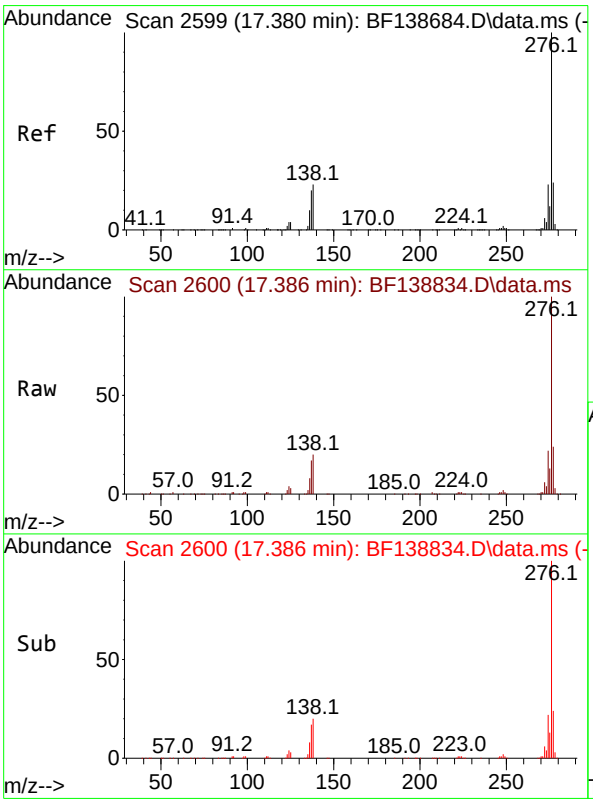
#91
Dibenzo(a,h)anthracene
Concen: 39.608 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 229198

Ion	Ratio	Lower	Upper
278	100		
139	15.0	14.0	21.0
279	22.5	19.0	28.4

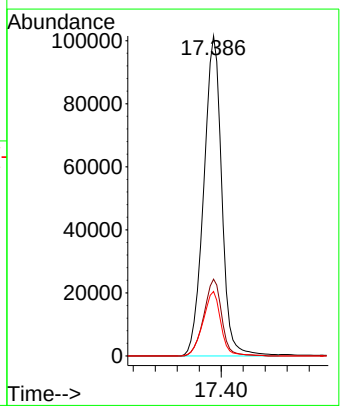




#92
Benzo(g,h,i)perylene
Concen: 38.367 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:276 Resp: 230392

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	20.2	18.5	27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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	73	0.00
2		1,4-Dioxane	0.567	0.514	9.3	66	0.02
3		Pyridine	1.374	1.257	8.5	67	0.02
4		n-Nitrosodimethylamine	0.818	0.826	-1.0	74	0.03
5	S	2-Fluorophenol	1.296	1.272	1.9	73	0.00
6		Aniline	1.551	1.505	3.0	72	0.00
7	S	Phenol-d6	1.740	1.684	3.2	74	0.00
8		2-Chlorophenol	1.363	1.376	-1.0	76	0.00
9		Benzaldehyde	1.043	0.918	12.0	75	0.00
10	C	Phenol	1.832	1.774	3.2	73	0.00
11		bis(2-Chloroethyl)ether	1.409	1.299	7.8	70	0.00
12		1,3-Dichlorobenzene	1.526	1.529	-0.2	76	0.00
13	C	1,4-Dichlorobenzene	1.540	1.531	0.6	75	0.00
14		1,2-Dichlorobenzene	1.439	1.462	-1.6	76	0.00
15		Benzyl Alcohol	1.254	1.304	-4.0	79	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.094	13.7	65	0.00
17		2-Methylphenol	1.126	1.110	1.4	74	0.00
18		Hexachloroethane	0.580	0.594	-2.4	77	0.00
19	P	n-Nitroso-di-n-propylamine	1.051	1.049	0.2	78	0.00
20		3+4-Methylphenols	1.444	1.468	-1.7	79	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	75	0.00
22		Acetophenone	0.490	0.511	-4.3	80	0.00
23	S	Nitrobenzene-d5	0.409	0.418	-2.2	77	0.00
24		Nitrobenzene	0.416	0.412	1.0	74	0.00
25		Isophorone	0.699	0.684	2.1	75	0.00
26	C	2-Nitrophenol	0.179	0.181	-1.1	74	0.00
27		2,4-Dimethylphenol	0.214	0.215	-0.5	76	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.411	3.3	74	0.00
29	C	2,4-Dichlorophenol	0.275	0.284	-3.3	77	0.00
30		1,2,4-Trichlorobenzene	0.318	0.327	-2.8	78	0.00
31		Naphthalene	1.053	1.058	-0.5	76	0.00
32		Benzoic acid	0.168	0.145	13.7	66	0.03
33		4-Chloroaniline	0.353	0.358	-1.4	78	0.00
34	C	Hexachlorobutadiene	0.192	0.203	-5.7	80	0.00
35		Caprolactam	0.082	0.084	-2.4	80	0.01
36	C	4-Chloro-3-methylphenol	0.315	0.330	-4.8	81	0.00
37		2-Methylnaphthalene	0.665	0.683	-2.7	79	0.00
38		1-Methylnaphthalene	0.652	0.670	-2.8	79	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40		1,2,4,5-Tetrachlorobenzene	0.556	0.573	-3.1	82	0.00
41	P	Hexachlorocyclopentadiene	0.120	0.094	21.7	59	0.00
42	S	2,4,6-Tribromophenol	0.164	0.177	-7.9	88	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.343	-1.2	81	0.00
44		2,4,5-Trichlorophenol	0.370	0.377	-1.9	81	0.00
45	S	2-Fluorobiphenyl	1.331	1.404	-5.5	85	0.00
46		1,1'-Biphenyl	1.566	1.594	-1.8	82	0.00
47		2-Chloronaphthalene	1.165	1.176	-0.9	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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	0.403	-2.0	82	0.00
49		Acenaphthylene	1.652	1.655	-0.2	80	0.00
50		Dimethylphthalate	1.279	1.328	-3.8	85	0.00
51		2,6-Dinitrotoluene	0.289	0.302	-4.5	83	0.00
52	C	Acenaphthene	1.111	1.115	-0.4	82	0.00
53		3-Nitroaniline	0.298	0.305	-2.3	84	0.00
54	P	2,4-Dinitrophenol	0.133	0.162	-21.8	101	0.00
55		Dibenzofuran	1.568	1.609	-2.6	84	0.00
56	P	4-Nitrophenol	0.179	0.212	-18.4	96	0.01
57		2,4-Dinitrotoluene	0.368	0.397	-7.9	87	0.00
58		Fluorene	1.249	1.312	-5.0	86	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.285	-0.7	82	0.00
60		Diethylphthalate	1.213	1.316	-8.5	90	0.00
61		4-Chlorophenyl-phenylether	0.614	0.642	-4.6	86	0.00
62		4-Nitroaniline	0.284	0.300	-5.6	87	0.00
63		Azobenzene	1.345	1.357	-0.9	83	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	0.122	0.128	-4.9	88	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.632	-1.1	86	0.00
67		4-Bromophenyl-phenylether	0.217	0.221	-1.8	88	0.00
68		Hexachlorobenzene	0.224	0.234	-4.5	92	0.00
69		Atrazine	0.161	0.150	6.8	80	0.00
70	C	Pentachlorophenol	0.101	0.127	-25.7#	107	0.00
71		Phenanthrene	1.030	1.044	-1.4	88	0.00
72		Anthracene	1.015	1.049	-3.3	90	0.00
73		Carbazole	0.875	0.887	-1.4	88	0.00
74		Di-n-butylphthalate	0.984	1.093	-11.1	95	0.00
75	C	Fluoranthene	0.961	0.977	-1.7	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	72	0.00
77		Benzidine	0.478	0.528	-10.5	71	0.00
78		Pyrene	1.883	2.155	-14.4	89	0.00
79	S	Terphenyl-d14	1.195	1.339	-12.1	87	0.00
80		Butylbenzylphthalate	0.603	0.617	-2.3	71	0.00
81		Benzo(a)anthracene	1.377	1.344	2.4	69	0.00
82		3,3'-Dichlorobenzidine	0.352	0.371	-5.4	74	0.00
83		Chrysene	1.243	1.252	-0.7	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.798	9.6	61	-0.01
85	c	Di-n-octyl phthalate	1.634	1.478	9.5	61	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	65	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.414	1.3	66	0.00
88		Benzo(b)fluoranthene	1.240	1.150	7.3	61	0.00
89		Benzo(k)fluoranthene	1.073	1.165	-8.6	76	0.00
90	C	Benzo(a)pyrene	1.043	1.056	-1.2	67	0.00
91		Dibenzo(a,h)anthracene	1.177	1.165	1.0	67	0.00
92		Benzo(g,h,i)perylene	1.221	1.171	4.1	63	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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 = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_F
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Quant Time: Aug 07 11:26:05 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	73	0.00
2		1,4-Dioxane	40.000	36.215	9.5	66	0.02
3		Pyridine	40.000	36.599	8.5	67	0.02
4		n-Nitrosodimethylamine	40.000	40.355	-0.9	74	0.03
5	S	2-Fluorophenol	80.000	78.567	1.8	73	0.00
6		Aniline	40.000	38.808	3.0	72	0.00
7	S	Phenol-d6	80.000	77.436	3.2	74	0.00
8		2-Chlorophenol	40.000	40.368	-0.9	76	0.00
9		Benzaldehyde	40.000	35.197	12.0	75	0.00
10	C	Phenol	40.000	38.748	3.1	73	0.00
11		bis(2-Chloroethyl)ether	40.000	36.880	7.8	70	0.00
12		1,3-Dichlorobenzene	40.000	40.075	-0.2	76	0.00
13	C	1,4-Dichlorobenzene	40.000	39.769	0.6	75	0.00
14		1,2-Dichlorobenzene	40.000	40.634	-1.6	76	0.00
15		Benzyl Alcohol	40.000	41.611	-4.0	79	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	34.526	13.7	65	0.00
17		2-Methylphenol	40.000	39.457	1.4	74	0.00
18		Hexachloroethane	40.000	41.012	-2.5	77	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.957	0.1	78	0.00
20		3+4-Methylphenols	40.000	40.665	-1.7	79	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	75	0.00
22		Acetophenone	40.000	41.713	-4.3	80	0.00
23	S	Nitrobenzene-d5	80.000	81.789	-2.2	77	0.00
24		Nitrobenzene	40.000	39.592	1.0	74	0.00
25		Isophorone	40.000	39.164	2.1	75	0.00
26	C	2-Nitrophenol	40.000	40.406	-1.0	74	0.00
27		2,4-Dimethylphenol	40.000	40.149	-0.4	76	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.662	3.3	74	0.00
29	C	2,4-Dichlorophenol	40.000	41.292	-3.2	77	0.00
30		1,2,4-Trichlorobenzene	40.000	41.202	-3.0	78	0.00
31		Naphthalene	40.000	40.213	-0.5	76	0.00
32		Benzoic acid	40.000	34.391	14.0	66	0.03
33		4-Chloroaniline	40.000	40.507	-1.3	78	0.00
34	C	Hexachlorobutadiene	40.000	42.223	-5.6	80	0.00
35		Caprolactam	40.000	40.674	-1.7	80	0.01
36	C	4-Chloro-3-methylphenol	40.000	41.906	-4.8	81	0.00
37		2-Methylnaphthalene	40.000	41.088	-2.7	79	0.00
38		1-Methylnaphthalene	40.000	41.106	-2.8	79	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.267	-3.2	82	0.00
41	P	Hexachlorocyclopentadiene	40.000	30.427	23.9	59	0.00
42	S	2,4,6-Tribromophenol	80.000	86.419	-8.0	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.544	-1.4	81	0.00
44		2,4,5-Trichlorophenol	40.000	40.673	-1.7	81	0.00
45	S	2-Fluorobiphenyl	80.000	84.384	-5.5	85	0.00
46		1,1'-Biphenyl	40.000	40.703	-1.8	82	0.00
47		2-Chloronaphthalene	40.000	40.385	-1.0	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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	40.863	-2.2	82	0.00
49		Acenaphthylene	40.000	40.062	-0.2	80	0.00
50		Dimethylphthalate	40.000	41.542	-3.9	85	0.00
51		2,6-Dinitrotoluene	40.000	41.907	-4.8	83	0.00
52	C	Acenaphthene	40.000	40.146	-0.4	82	0.00
53		3-Nitroaniline	40.000	40.914	-2.3	84	0.00
54	P	2,4-Dinitrophenol	40.000	48.693	-21.7	101	0.00
55		Dibenzofuran	40.000	41.040	-2.6	84	0.00
56	P	4-Nitrophenol	40.000	47.350	-18.4	96	0.01
57		2,4-Dinitrotoluene	40.000	43.111	-7.8	87	0.00
58		Fluorene	40.000	42.029	-5.1	86	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.256	-0.6	82	0.00
60		Diethylphthalate	40.000	43.424	-8.6	90	0.00
61		4-Chlorophenyl-phenylether	40.000	41.796	-4.5	86	0.00
62		4-Nitroaniline	40.000	42.315	-5.8	87	0.00
63		Azobenzene	40.000	40.362	-0.9	83	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.863	-4.7	88	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.418	-1.0	86	0.00
67		4-Bromophenyl-phenylether	40.000	40.780	-2.0	88	0.00
68		Hexachlorobenzene	40.000	41.919	-4.8	92	0.00
69		Atrazine	40.000	37.299	6.8	80	0.00
70	C	Pentachlorophenol	40.000	50.395	-26.0#	107	0.00
71		Phenanthrene	40.000	40.551	-1.4	88	0.00
72		Anthracene	40.000	41.374	-3.4	90	0.00
73		Carbazole	40.000	40.547	-1.4	88	0.00
74		Di-n-butylphthalate	40.000	44.439	-11.1	95	0.00
75	C	Fluoranthene	40.000	40.665	-1.7	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	72	0.00
77		Benzidine	40.000	44.125	-10.3	71	0.00
78		Pyrene	40.000	45.775	-14.4	89	0.00
79	S	Terphenyl-d14	80.000	89.697	-12.1	87	0.00
80		Butylbenzylphthalate	40.000	40.905	-2.3	71	0.00
81		Benzo(a)anthracene	40.000	39.044	2.4	69	0.00
82		3,3'-Dichlorobenzidine	40.000	42.093	-5.2	74	0.00
83		Chrysene	40.000	40.317	-0.8	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.147	9.6	61	-0.01
85	c	Di-n-octyl phthalate	40.000	36.186	9.5	61	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	65	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.456	1.4	66	0.00
88		Benzo(b)fluoranthene	40.000	37.113	7.2	61	0.00
89		Benzo(k)fluoranthene	40.000	43.425	-8.6	76	0.00
90	C	Benzo(a)pyrene	40.000	40.488	-1.2	67	0.00
91		Dibenzo(a,h)anthracene	40.000	39.608	1.0	67	0.00
92		Benzo(g,h,i)perylene	40.000	38.367	4.1	63	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 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 = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/09/2024 09:48

Lab File ID: BF138879.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
Pyridine	1.374	1.192		-13.2	
2-Fluorophenol	1.296	1.253		-3.3	
Benzaldehyde	1.043	0.831		-20.3	
Phenol-d6	1.740	1.688		-3.0	
2-Methylphenol	1.126	1.087		-3.5	
3+4-Methylphenols	1.444	1.469		1.7	
Nitrobenzene-d5	0.409	0.415		1.5	
Hexachloroethane	0.580	0.586		1.0	
Nitrobenzene	0.416	0.419		0.7	
Naphthalene	1.053	1.044		-0.9	
Hexachlorobutadiene	0.192	0.201		4.7	20.0
2-Methylnaphthalene	0.665	0.685		3.0	
2,4,6-Trichlorophenol	0.339	0.331		-2.4	20.0
2-Fluorobiphenyl	1.331	1.366		2.6	
2,4,5-Trichlorophenol	0.370	0.367		-0.8	
Acenaphthylene	1.652	1.623		-1.8	
Acenaphthene	1.111	1.081		-2.7	20.0
Dibenzofuran	1.568	1.578		0.6	
2,4-Dinitrotoluene	0.368	0.397		7.9	
Fluorene	1.249	1.298		3.9	
2,4,6-Tribromophenol	0.164	0.175		6.7	
Hexachlorobenzene	0.224	0.225		0.4	
Pentachlorophenol	0.101	0.114		12.9	20.0
Phenanthrene	1.030	1.033		0.3	
Anthracene	1.015	1.020		0.5	
Carbazole	0.875	0.907		3.7	
Di-n-butylphthalate	0.984	1.177		19.6	
Fluoranthene	0.961	1.015		5.6	20.0
Pyrene	1.883	2.164		14.9	
Terphenyl-d14	1.195	1.398		17.0	
Benzo(a)anthracene	1.377	1.353		-1.7	
Chrysene	1.243	1.242		-0.1	
Bis(2-ethylhexyl)phthalate	0.883	0.836		-5.3	
Benzo(b)fluoranthene	1.240	1.263		1.9	
Benzo(k)fluoranthene	1.073	1.156		7.7	
Benzo(a)pyrene	1.043	1.059		1.5	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.357		-5.3	
Dibenzo(a,h)anthracene	1.177	1.120		-4.8	
Benzo(g,h,i)perylene	1.221	1.111		-9.0	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/09/2024 09:48

Lab File ID: BF138879.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
1,4-Dioxane	0.567	0.467		-17.6	20.0
1-Methylnaphthalene	0.652	0.663		1.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:52:44 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 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	65310	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	265298	20.000	ng		0.00
39) Acenaphthene-d10	9.880	164	151080	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	254940	20.000	ng		0.00
76) Chrysene-d12	14.004	240	120643	20.000	ng	#	0.00
86) Perylene-d12	15.462	264	111360	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	327221	77.341	ng		0.00
7) Phenol-d6	6.492	99	441036	77.642	ng		0.00
23) Nitrobenzene-d5	7.416	82	440205	81.125	ng		0.00
42) 2,4,6-Tribromophenol	10.674	330	105999	85.652	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	825374	82.084	ng		0.00
79) Terphenyl-d14	12.945	244	674631	93.624	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.599	88	61050	32.959	ng		96
3) Pyridine	3.357	79	155693	34.698	ng		97
4) n-Nitrosodimethylamine	3.334	42	110982	41.529	ng		85
6) Aniline	6.510	93	195305	38.553	ng	#	42
8) 2-Chlorophenol	6.634	128	177941	39.975	ng		99
9) Benzaldehyde	6.398	77	108515	31.868	ng		100
10) Phenol	6.510	94	230807	38.591	ng		78
11) bis(2-Chloroethyl)ether	6.587	93	172259	37.428	ng		98
12) 1,3-Dichlorobenzene	6.787	146	195964	39.328	ng		99
13) 1,4-Dichlorobenzene	6.863	146	198050	39.385	ng		99
14) 1,2-Dichlorobenzene	7.016	146	191541	40.758	ng		100
15) Benzyl Alcohol	6.992	79	174054	42.513	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	278655	35.181	ng		54
17) 2-Methylphenol	7.110	107	142043	38.644	ng	#	89
18) Hexachloroethane	7.351	117	76517	40.424	ng		98
19) n-Nitroso-di-n-propyla...	7.263	70	141939	41.371	ng		98
20) 3+4-Methylphenols	7.263	107	191899	40.691	ng	#	90
22) Acetophenone	7.257	105	265553	40.881	ng	#	98
24) Nitrobenzene	7.434	77	222112	40.226	ng		99
25) Isophorone	7.669	82	365563	39.454	ng		98
26) 2-Nitrophenol	7.745	139	97900	41.211	ng		95
27) 2,4-Dimethylphenol	7.786	122	111210	39.127	ng		97
28) bis(2-Chloroethoxy)met...	7.875	93	218905	38.796	ng		99
29) 2,4-Dichlorophenol	7.992	162	150623	41.240	ng		100
30) 1,2,4-Trichlorobenzene	8.063	180	168914	40.076	ng		99
31) Naphthalene	8.145	128	553926	39.667	ng		100
32) Benzoic acid	7.945	122	79011	35.363	ng		93
33) 4-Chloroaniline	8.204	127	173813	37.080	ng		98
34) Hexachlorobutadiene	8.257	225	106581	41.748	ng		99
35) Caprolactam	8.598	113	45794m	42.020	ng		
36) 4-Chloro-3-methylphenol	8.692	107	175226	41.980	ng		99
37) 2-Methylnaphthalene	8.833	142	363449	41.211	ng		99
38) 1-Methylnaphthalene	8.933	142	351793	40.707	ng		98
40) 1,2,4,5-Tetrachloroben...	9.004	216	168508	40.151	ng		99
41) Hexachlorocyclopentadiene	8.980	237	51121	48.979	ng		99
43) 2,4,6-Trichlorophenol	9.122	196	99909	39.044	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:52:44 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 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	110978	39.672	ng		100
46) 1,1'-Biphenyl	9.304	154	461730	39.023	ng		99
47) 2-Chloronaphthalene	9.328	162	343772	39.064	ng		99
48) 2-Nitroaniline	9.433	65	120246	40.306	ng		99
49) Acenaphthylene	9.739	152	490451	39.295	ng		100
50) Dimethylphthalate	9.604	163	397073	41.104	ng		100
51) 2,6-Dinitrotoluene	9.675	165	89744	41.164	ng		91
52) Acenaphthene	9.916	154	326651	38.933	ng		100
53) 3-Nitroaniline	9.845	138	89775	39.833	ng		97
54) 2,4-Dinitrophenol	9.957	184	45402	45.240	ng	#	83
55) Dibenzofuran	10.086	168	476936	40.270	ng		99
56) 4-Nitrophenol	10.022	139	57826	42.666	ng		91
57) 2,4-Dinitrotoluene	10.080	165	120107	43.181	ng	#	83
58) Fluorene	10.427	166	392206	41.585	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	87762m	41.037	ng		
60) Diethylphthalate	10.298	149	402355	43.927	ng		99
61) 4-Chlorophenyl-phenyle...	10.416	204	193596	41.737	ng		97
62) 4-Nitroaniline	10.463	138	88058	41.114	ng		89
63) Azobenzene	10.580	77	412159	40.571	ng		98
65) 4,6-Dinitro-2-methylph...	10.492	198	64538	41.494	ng		94
66) n-Nitrosodiphenylamine	10.539	169	321358	40.327	ng		100
67) 4-Bromophenyl-phenylether	10.904	248	111018	40.221	ng		96
68) Hexachlorobenzene	10.974	284	114946	40.333	ng		99
69) Atrazine	11.063	200	79675	38.753	ng		96
70) Pentachlorophenol	11.174	266	58263	45.355	ng		98
71) Phenanthrene	11.392	178	526719	40.124	ng		100
72) Anthracene	11.445	178	519957	40.206	ng		100
73) Carbazole	11.598	167	462567	41.459	ng		99
74) Di-n-butylphthalate	11.916	149	599976	47.835	ng		99
75) Fluoranthene	12.574	202	517334	42.213	ng		99
77) Benzidine	12.698	184	114954	39.838	ng		99
78) Pyrene	12.804	202	522241	45.976	ng		99
80) Butylbenzylphthalate	13.415	149	169955	46.724	ng		97
81) Benzo(a)anthracene	13.992	228	326447	39.294	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	83780	39.408	ng		98
83) Chrysene	14.027	228	299773	39.995	ng		99
84) Bis(2-ethylhexyl)phtha...	13.968	149	201833	37.893	ng		99
85) Di-n-octyl phthalate	14.580	149	337677	34.265	ng		100
87) Indeno(1,2,3-cd)pyrene	16.939	276	302261	37.875	ng		96
88) Benzo(b)fluoranthene	15.039	252	281311	40.751	ng		98
89) Benzo(k)fluoranthene	15.068	252	257413	43.068	ng		98
90) Benzo(a)pyrene	15.404	252	235833	40.615	ng		98
91) Dibenzo(a,h)anthracene	16.951	278	249401	38.071	ng		97
92) Benzo(g,h,i)perylene	17.380	276	247476	36.405	ng		96

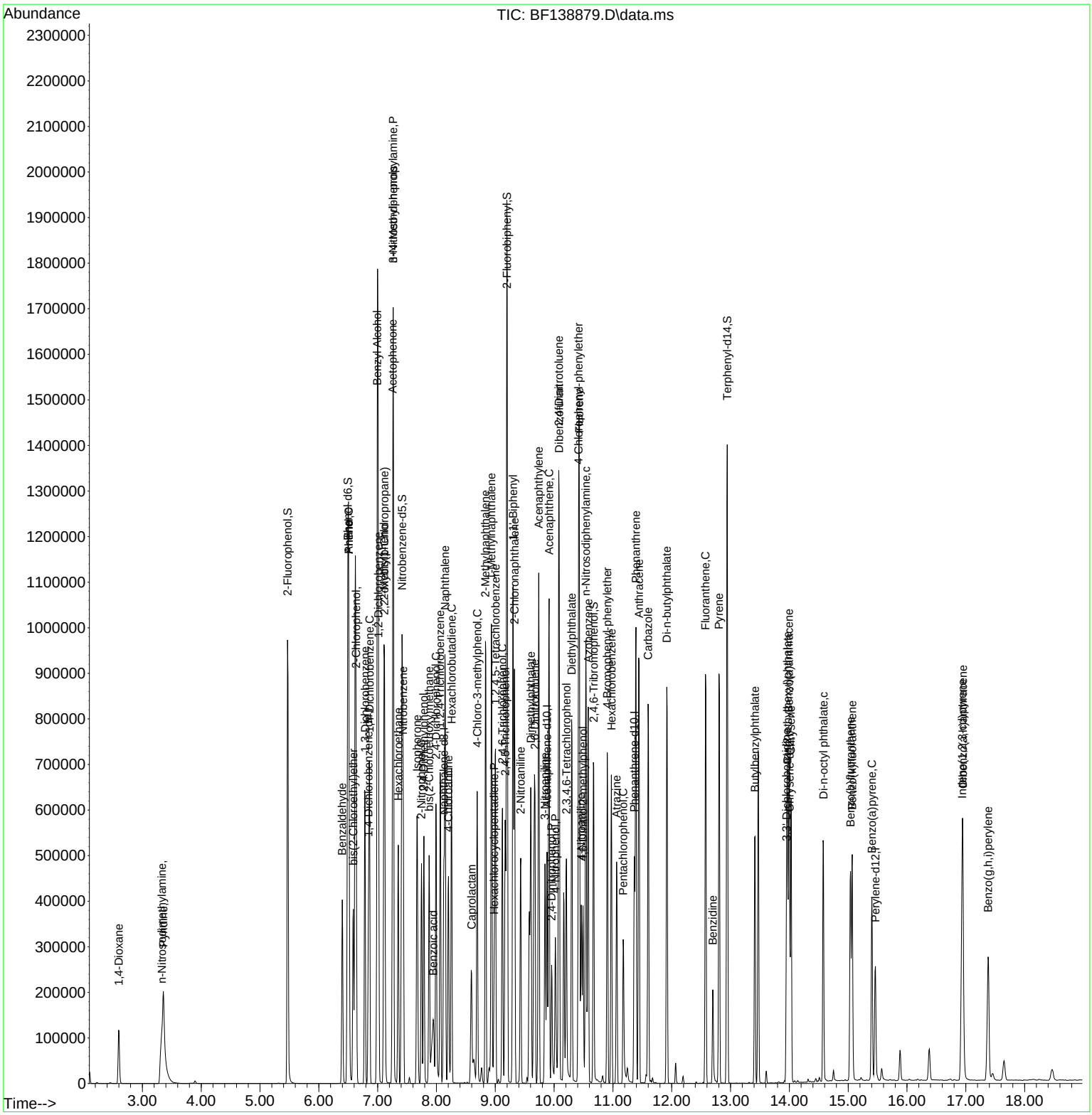
(#) = qualifier out of range (m) = manual integration (+) = signals summed

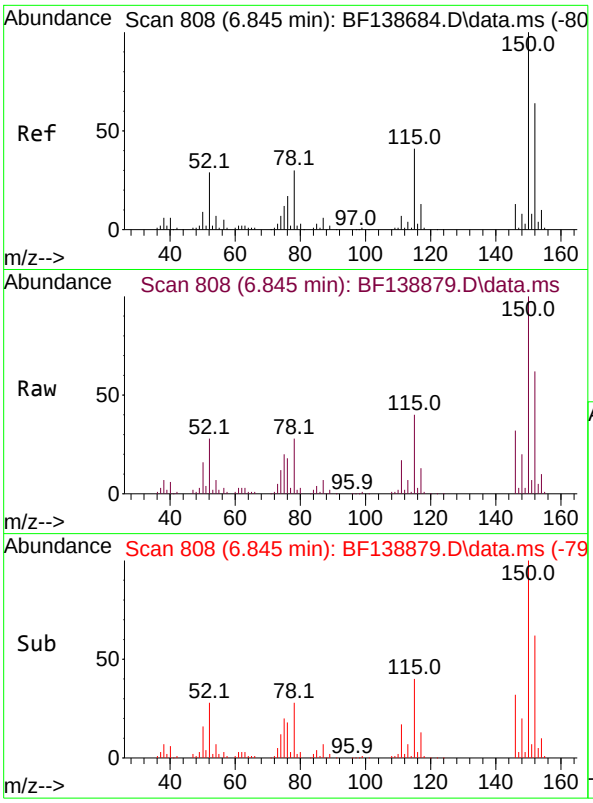
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 10:52:44 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 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

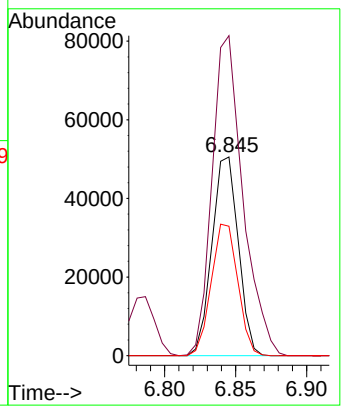




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:152 Resp: 6531(

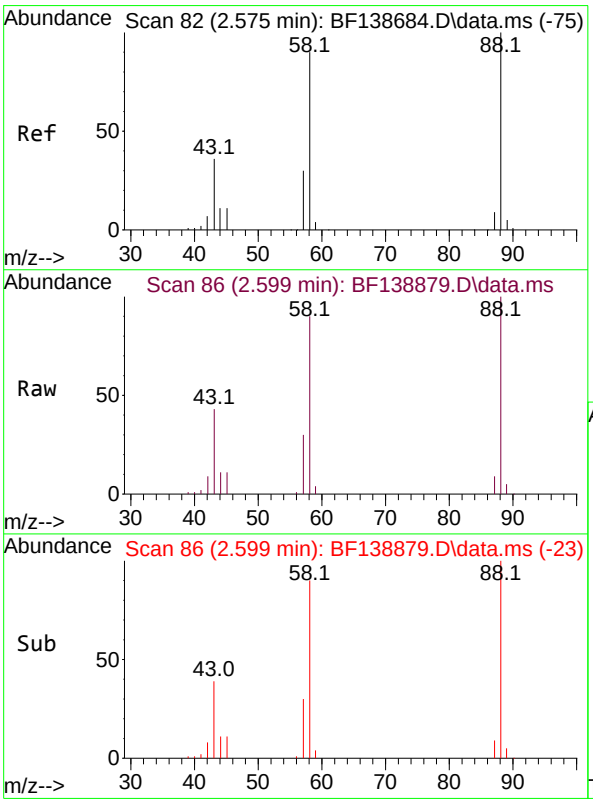
Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.0	189.0
115	65.2	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

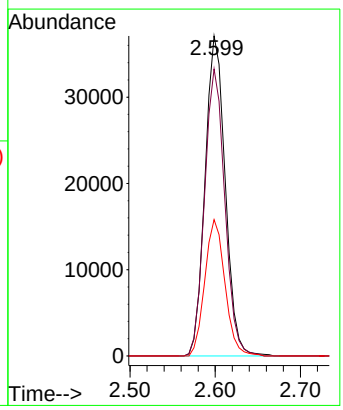
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

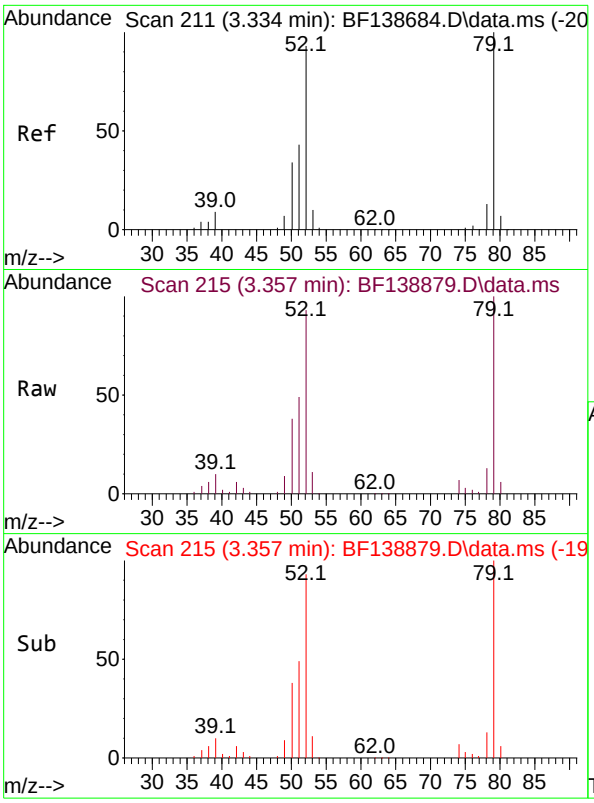


#2
1,4-Dioxane
Concen: 32.959 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.023 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 88 Resp: 61050

Ion	Ratio	Lower	Upper
88	100		
58	89.9	71.6	107.4
43	42.6	28.7	43.1





#3
Pyridine
Concen: 34.698 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

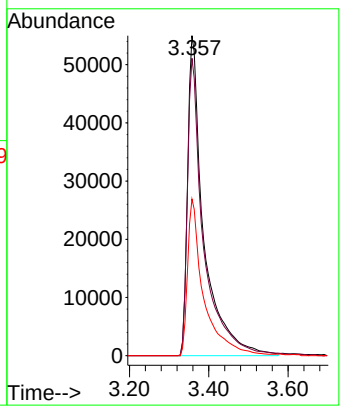
Tgt Ion: 79 Resp: 15569

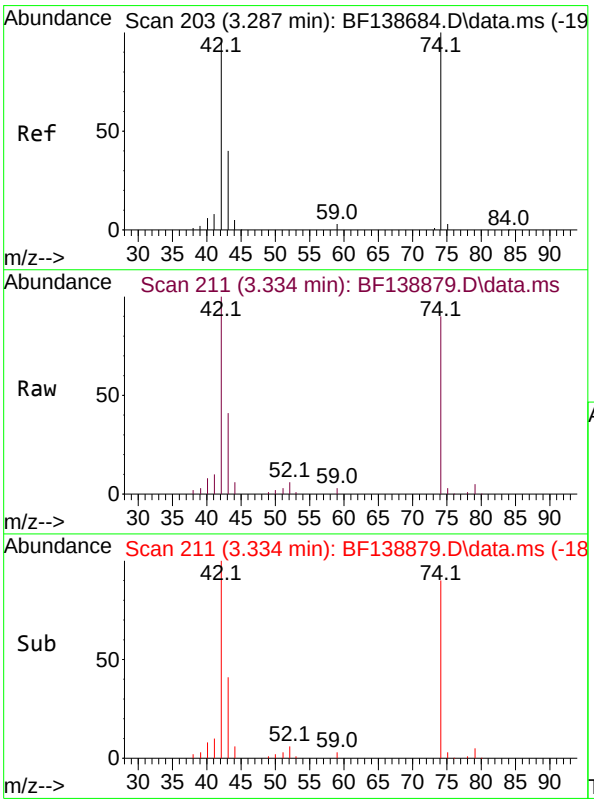
Ion	Ratio	Lower	Upper
79	100		
52	93.0	74.7	112.1
51	48.9	34.6	51.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

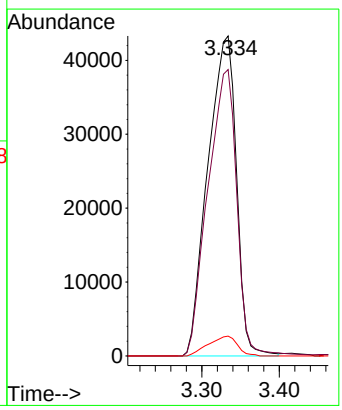


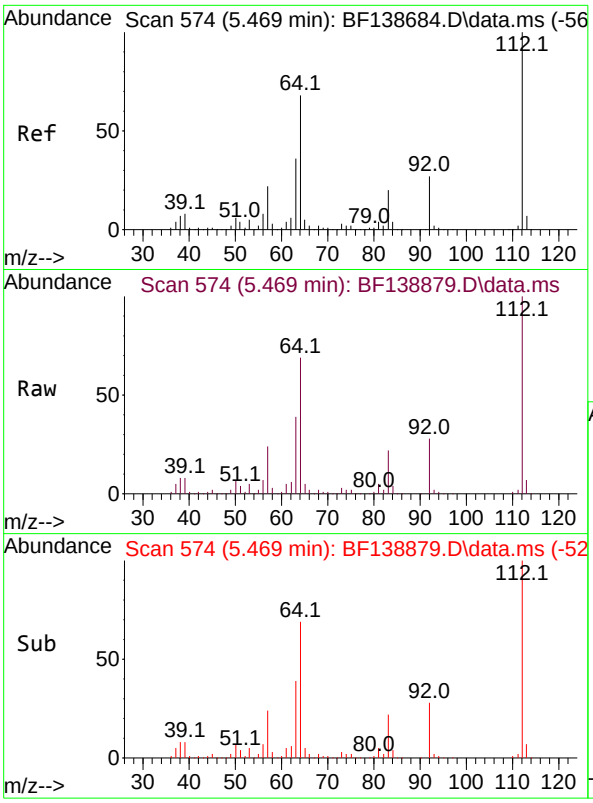


#4
n-Nitrosodimethylamine
Concen: 41.529 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 42 Resp: 110982

Ion	Ratio	Lower	Upper
42	100		
74	89.5	84.2	126.4
44	6.2	4.9	7.3

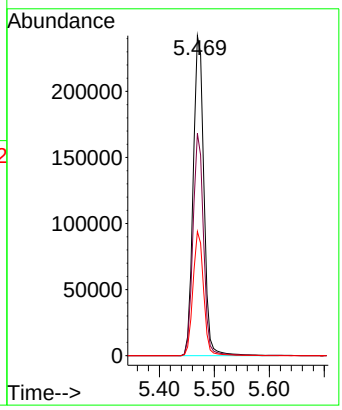




#5
2-Fluorophenol
Concen: 77.341 ng
RT: 5.469 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:112 Resp: 32722

Ion	Ratio	Lower	Upper
112	100		
64	69.5	54.2	81.4
63	38.8	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
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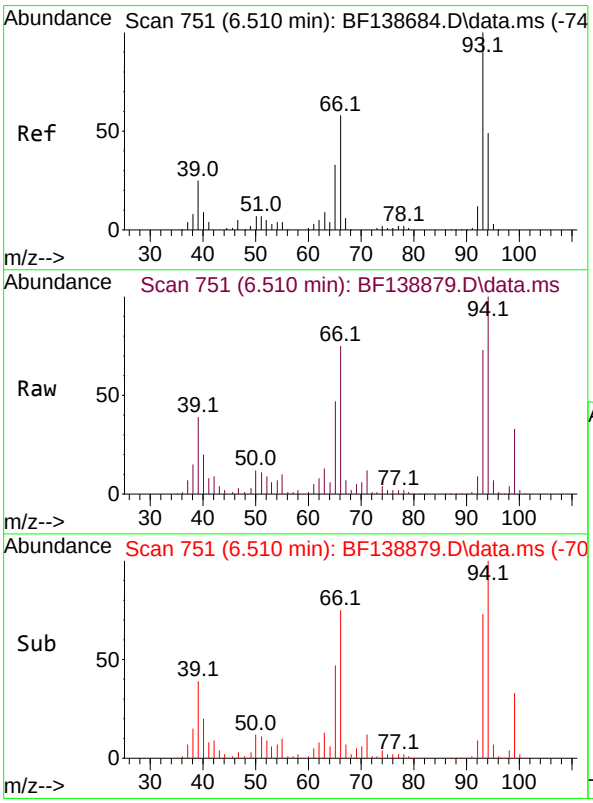
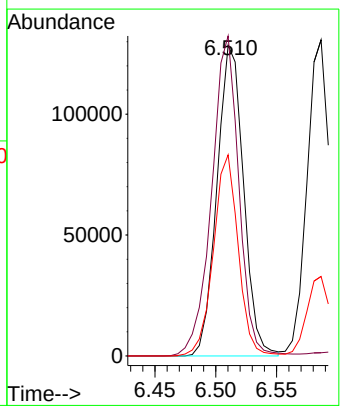
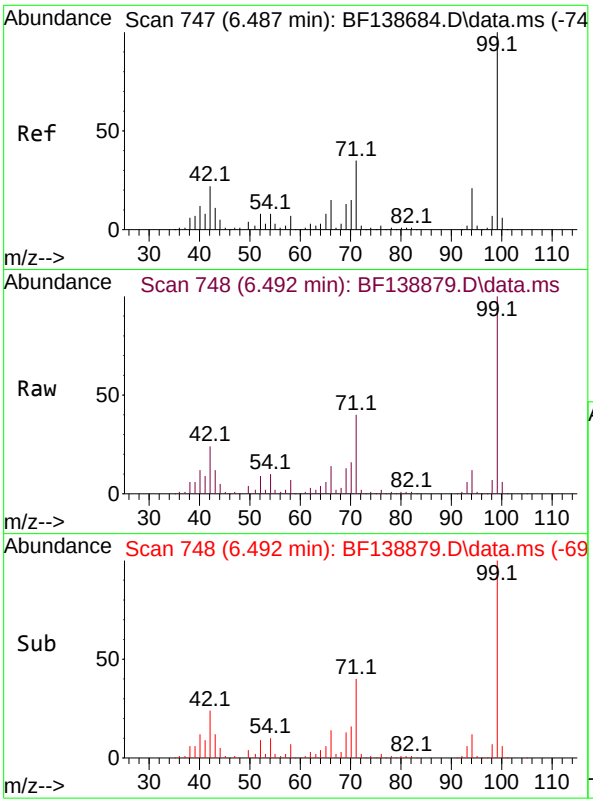


#6
Aniline
Concen: 38.553 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 93 Resp: 195305

Ion	Ratio	Lower	Upper
93	100		
66	103.0	46.9	70.3#
65	64.7	26.5	39.7#

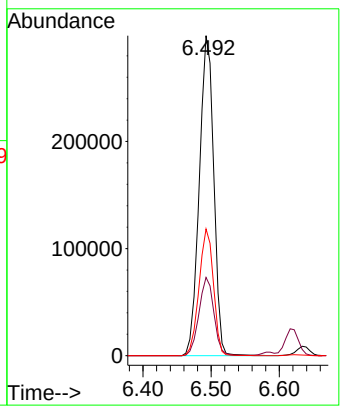




#7
Phenol-d6
Concen: 77.642 ng
RT: 6.492 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 99 Resp: 44103

Ion	Ratio	Lower	Upper
99	100		
42	24.5	17.4	26.0
71	39.6	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
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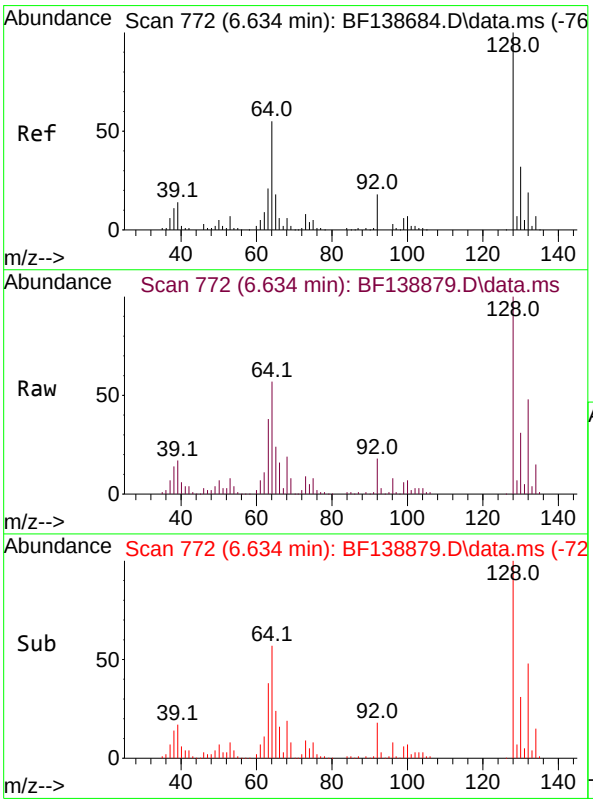
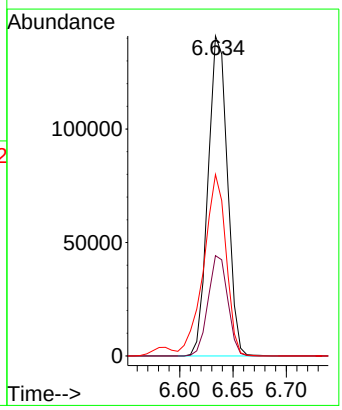
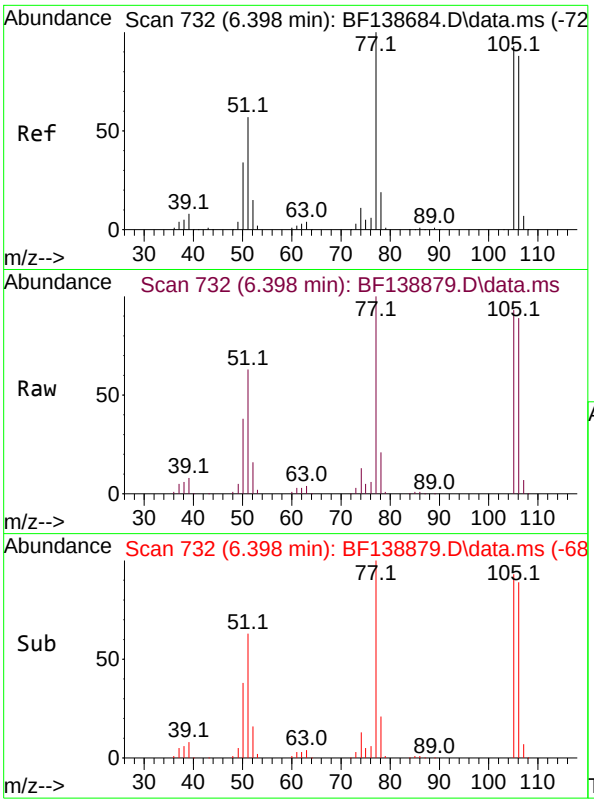


#8
2-Chlorophenol
Concen: 39.975 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:128 Resp: 177941

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.0	52.0
64	56.7	36.3	76.3

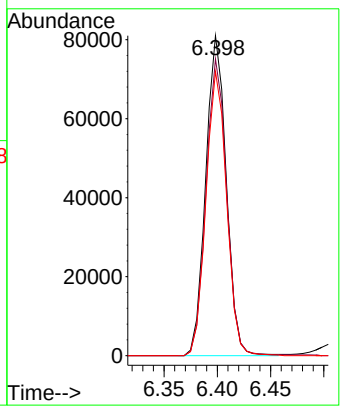




#9
Benzaldehyde
Concen: 31.868 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 77 Resp: 10851

Ion	Ratio	Lower	Upper
77	100		
105	92.7	72.9	112.9
106	88.8	68.4	108.4



Instrument :
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ClientSampleId :
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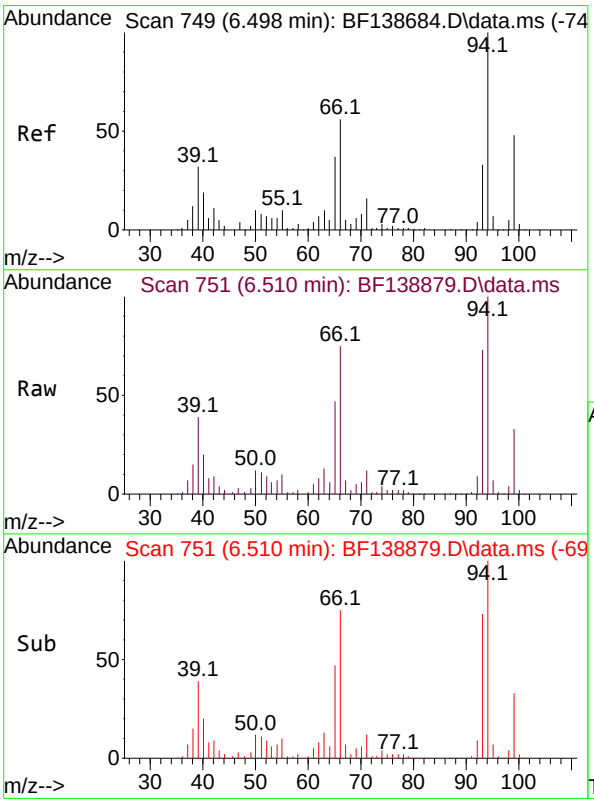
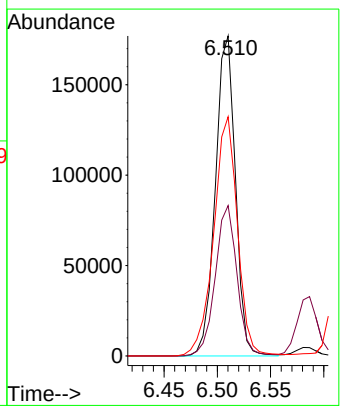
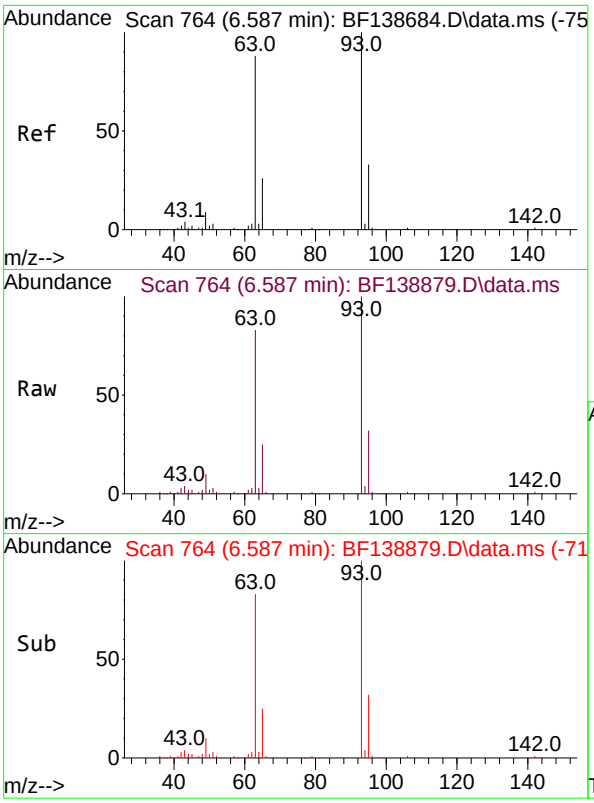


#10
Phenol
Concen: 38.591 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 94 Resp: 230807

Ion	Ratio	Lower	Upper
94	100		
65	47.0	16.9	56.9
66	74.8	36.5	76.5

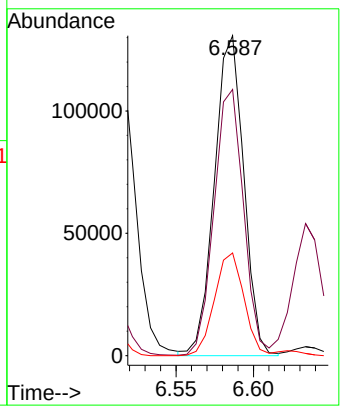




#11
bis(2-Chloroethyl)ether
Concen: 37.428 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 93 Resp: 17225

Ion	Ratio	Lower	Upper
93	100		
63	83.2	65.3	105.3
95	32.1	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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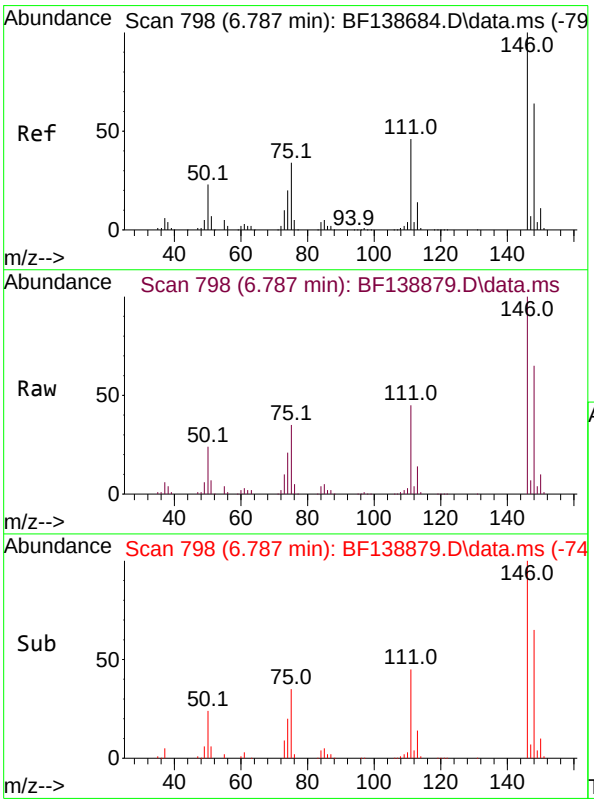
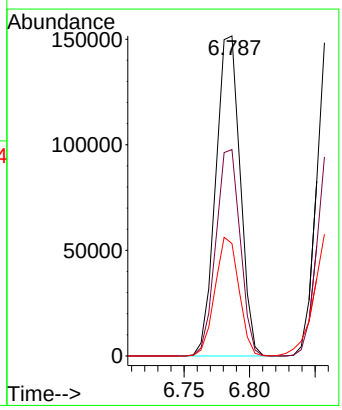
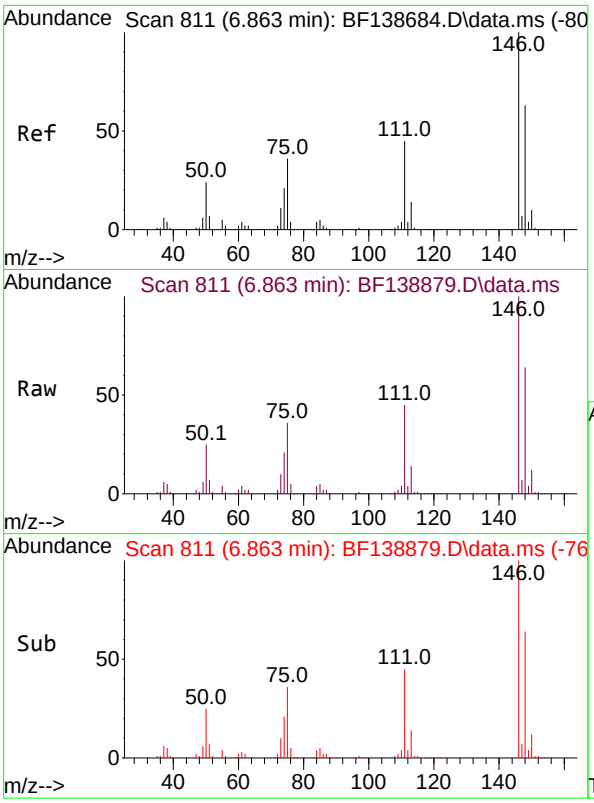


#12
1,3-Dichlorobenzene
Concen: 39.328 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:146 Resp: 195964

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
75	35.2	27.4	41.2

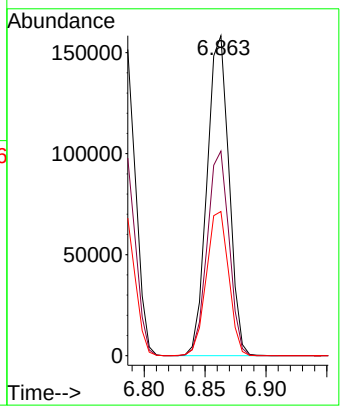




#13
1,4-Dichlorobenzene
Concen: 39.385 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:146 Resp: 19805

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.2	75.2
111	45.1	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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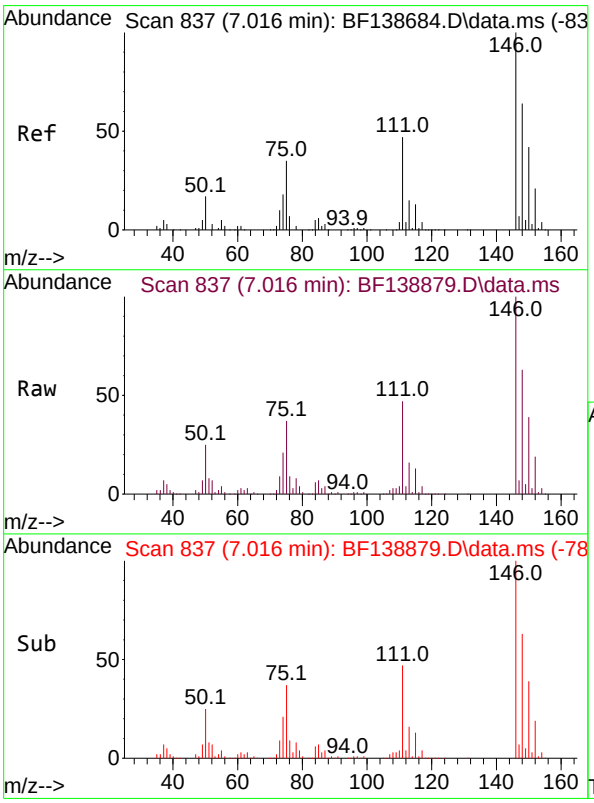
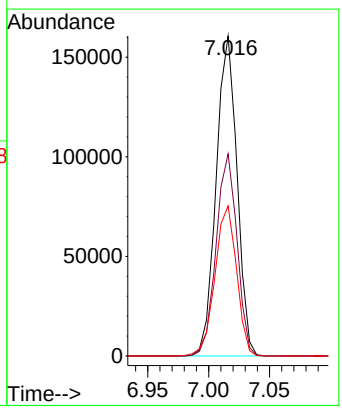
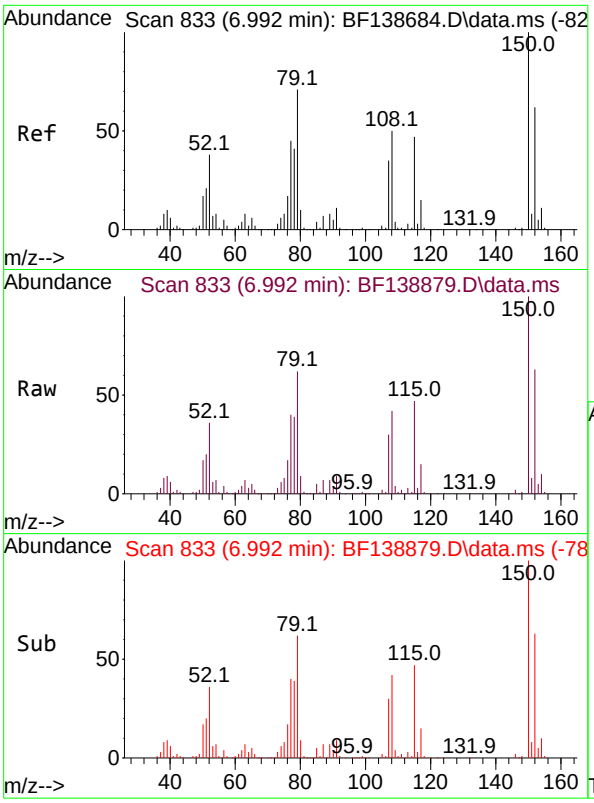


#14
1,2-Dichlorobenzene
Concen: 40.758 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:146 Resp: 191541

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.8	76.2
111	46.9	37.4	56.2

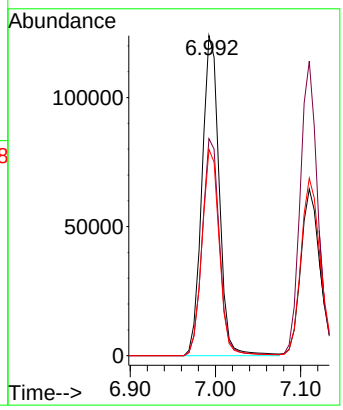




#15
Benzyl Alcohol
Concen: 42.513 ng
RT: 6.992 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 79 Resp: 17405

Ion	Ratio	Lower	Upper
79	100		
108	67.8	56.6	85.0
77	64.5	50.3	75.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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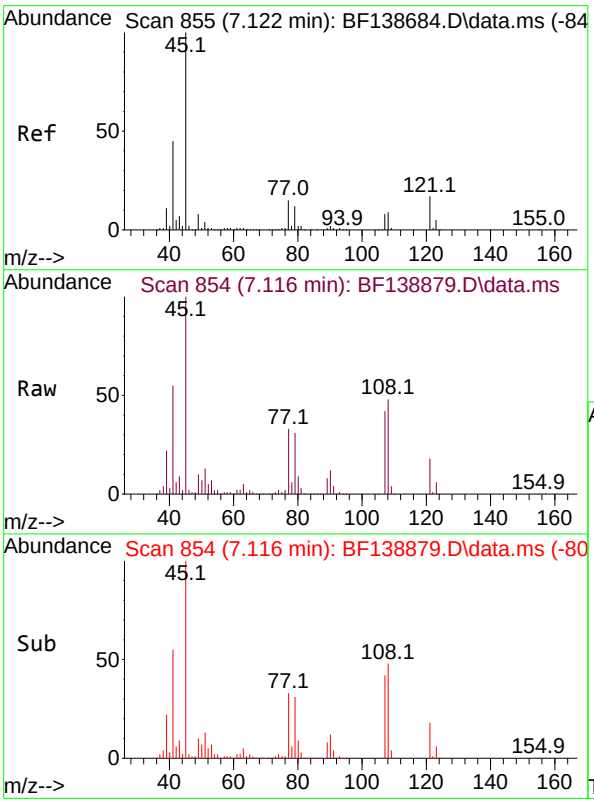
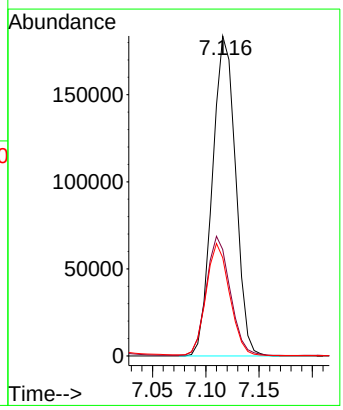
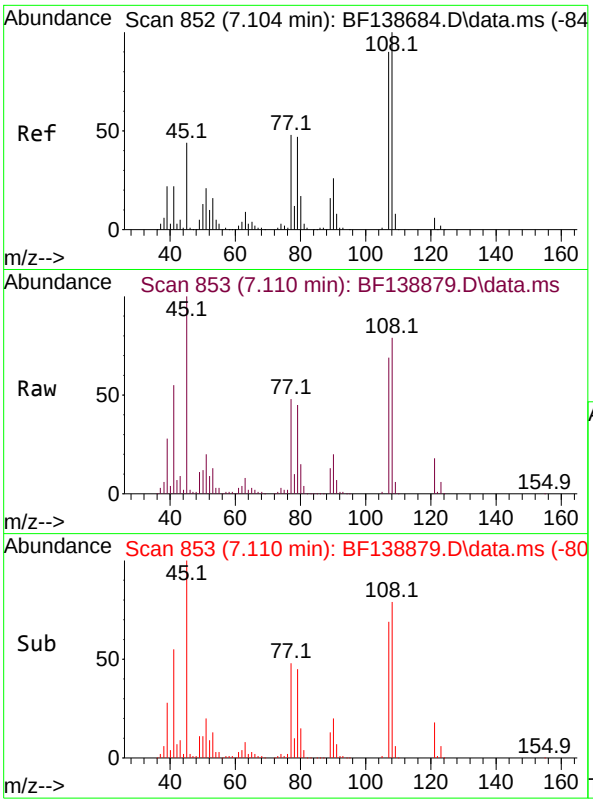


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.181 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 45 Resp: 278655

Ion	Ratio	Lower	Upper
45	100		
77	33.2	0.0	34.9
79	30.7	0.0	32.2

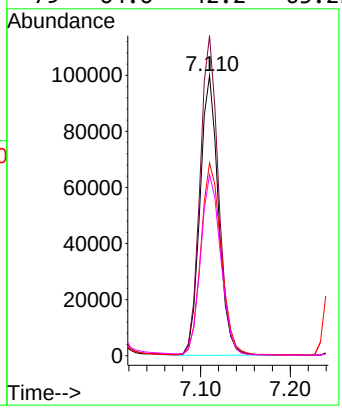




#17
2-Methylphenol
Concen: 38.644 ng
RT: 7.110 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:107 Resp: 14204

Ion	Ratio	Lower	Upper
107	100		
108	114.2	89.2	133.8
77	68.8	43.0	64.4#
79	64.6	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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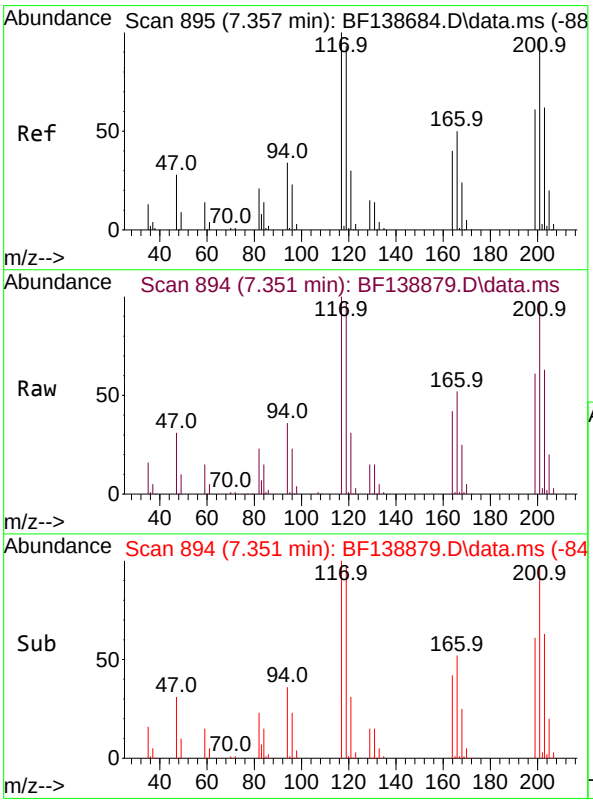
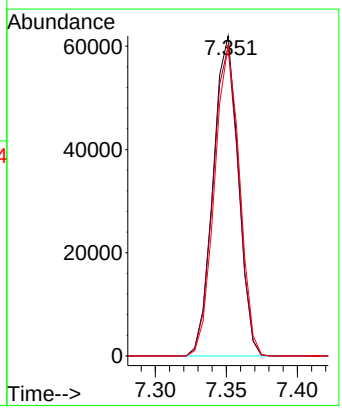
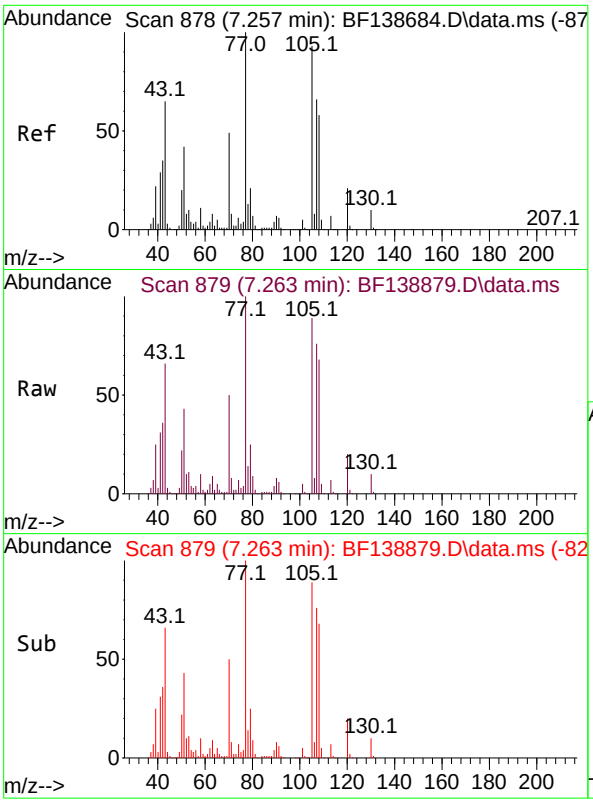


#18
Hexachloroethane
Concen: 40.424 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:117 Resp: 76517

Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.6	111.8
201	97.2	77.2	115.8

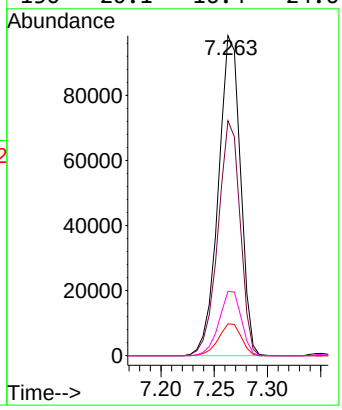




#19
n-Nitroso-di-n-propylamine
Concen: 41.371 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 70 Resp: 14193

Ion	Ratio	Lower	Upper
70	100		
42	73.4	57.4	86.0
101	9.9	7.5	11.3
130	20.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
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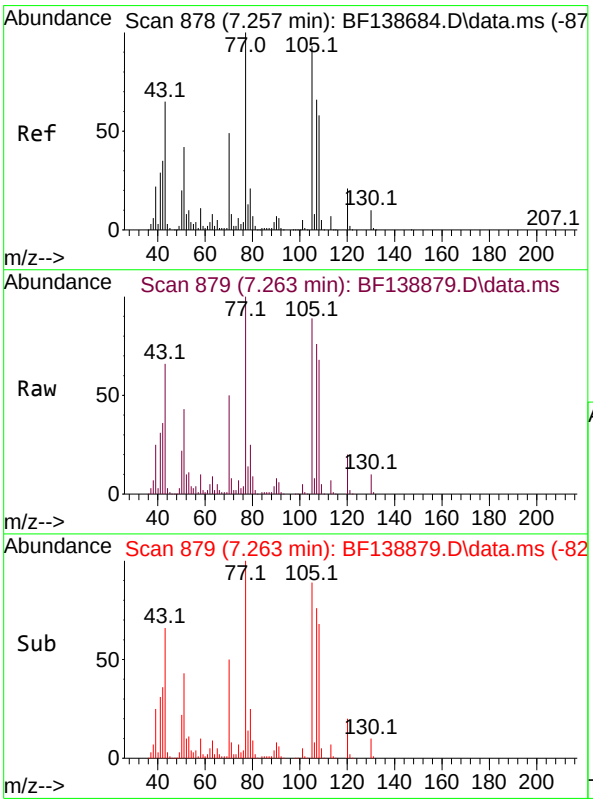
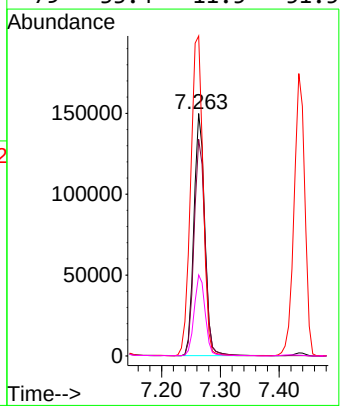
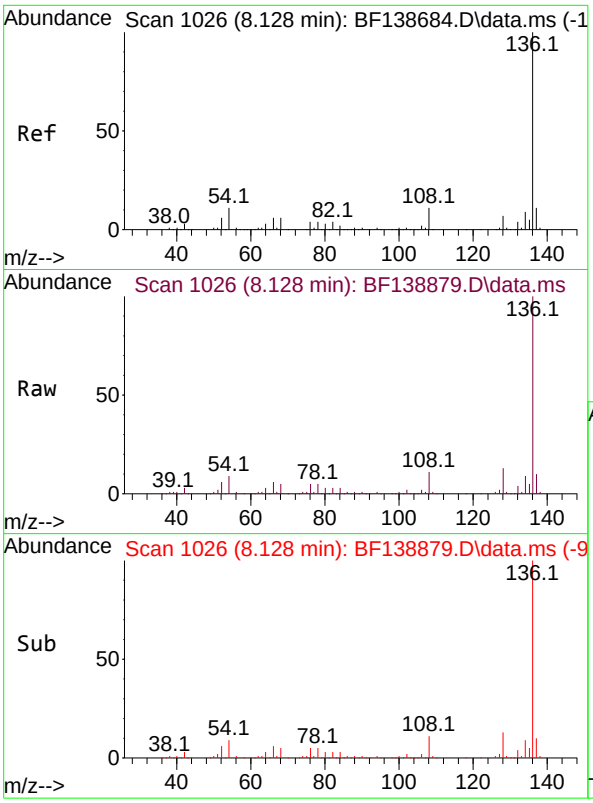


#20
3+4-Methylphenols
Concen: 40.691 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:107 Resp: 191899

Ion	Ratio	Lower	Upper
107	100		
108	89.3	68.2	108.2
77	132.0	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: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 26529

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.2	8.6	12.8
68	5.1	4.8	7.2

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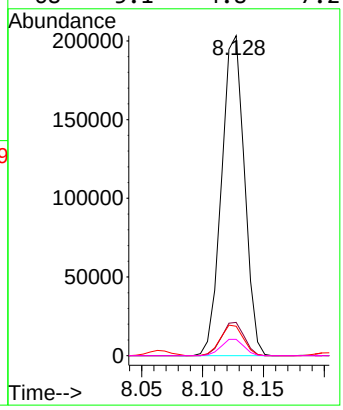
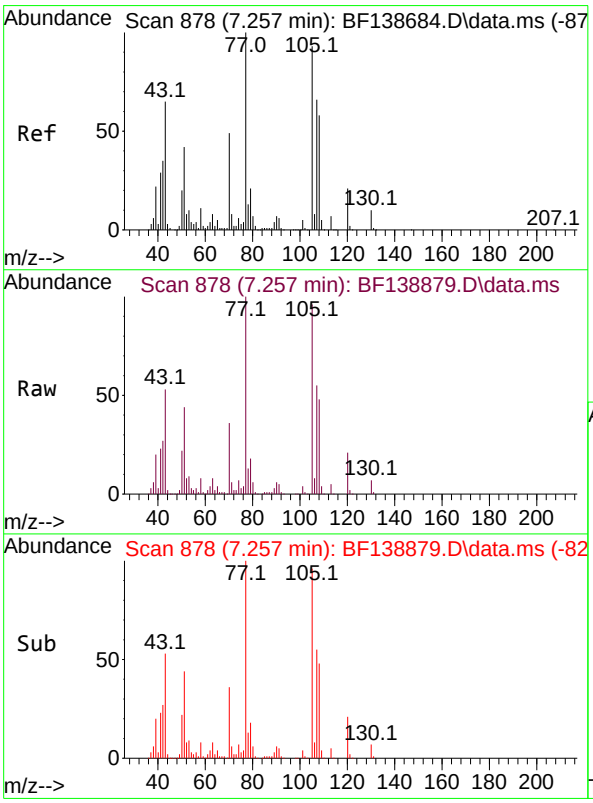
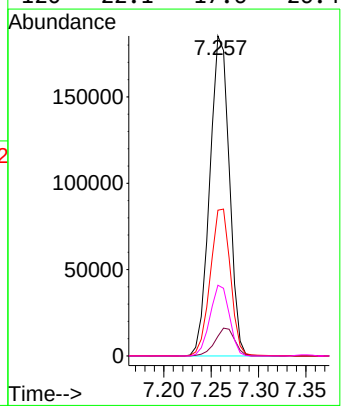


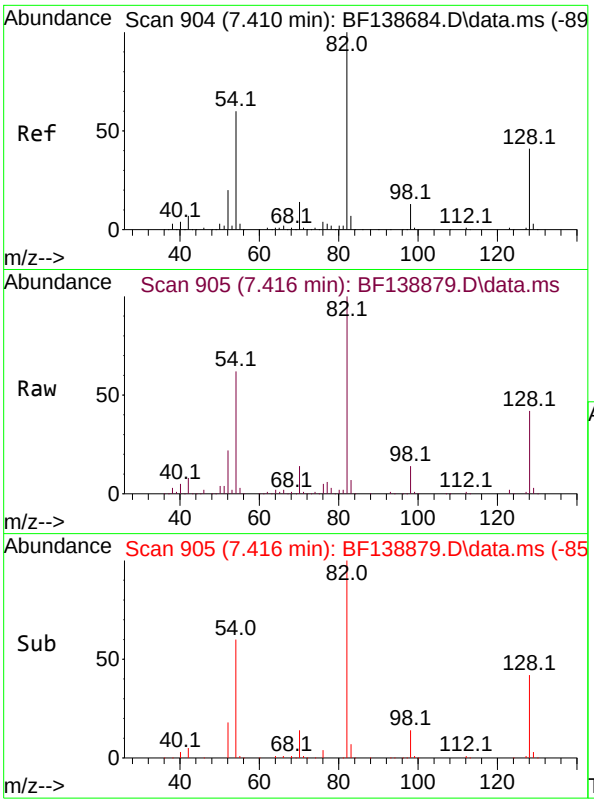


#22
Acetophenone
Concen: 40.881 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:105 Resp: 265553

Ion	Ratio	Lower	Upper
105	100		
71	6.2	7.2	10.8#
51	45.5	35.9	53.9
120	22.1	17.6	26.4





#23
Nitrobenzene-d5
Concen: 81.125 ng
RT: 7.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 82 Resp: 44020

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.8	49.2
54	61.9	48.3	72.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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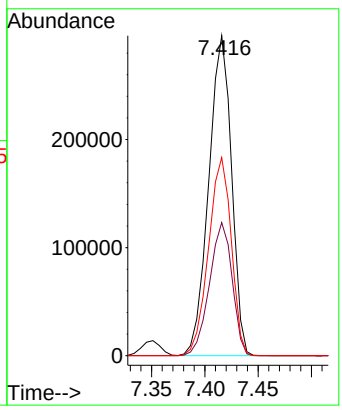
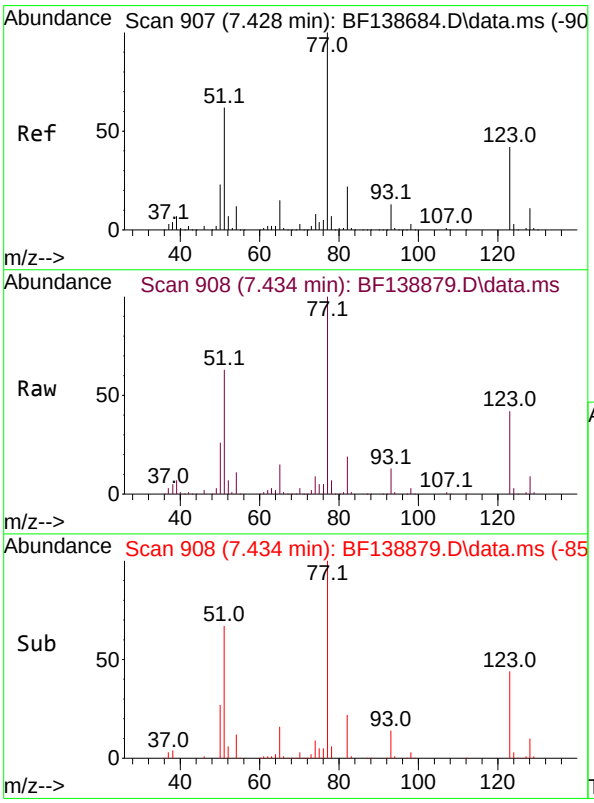
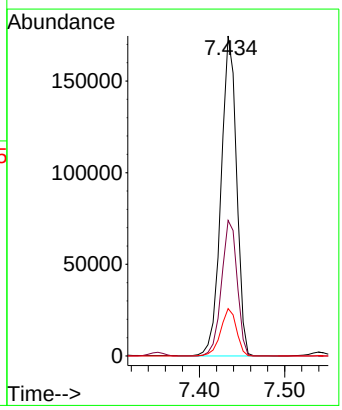


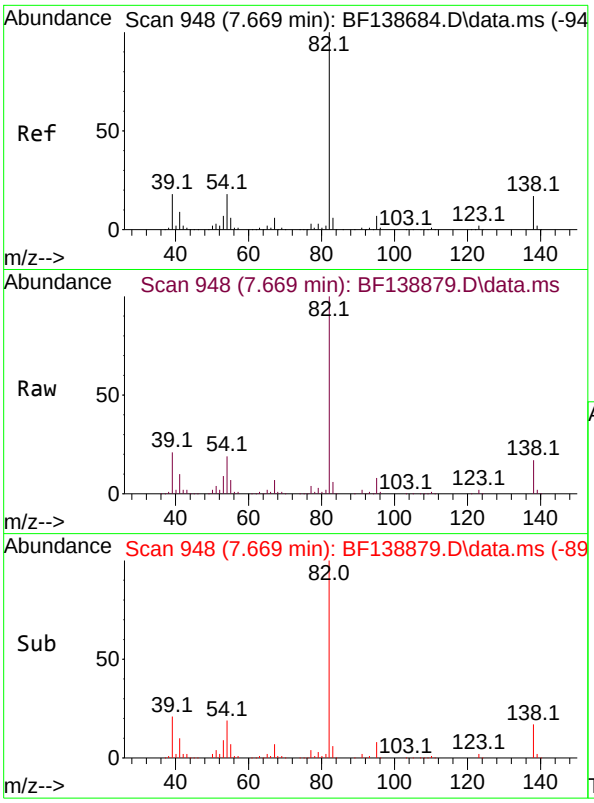


#24
Nitrobenzene
Concen: 40.226 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 77 Resp: 222112

Ion	Ratio	Lower	Upper
77	100		
123	42.3	33.3	49.9
65	14.8	11.9	17.9

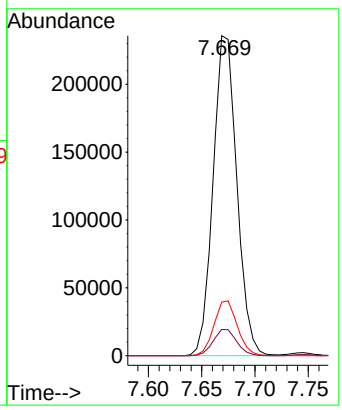




#25
Isophorone
Concen: 39.454 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 82 Resp: 36556

Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.7	8.5
138	16.8	13.7	20.5



Instrument :
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ClientSampleId :
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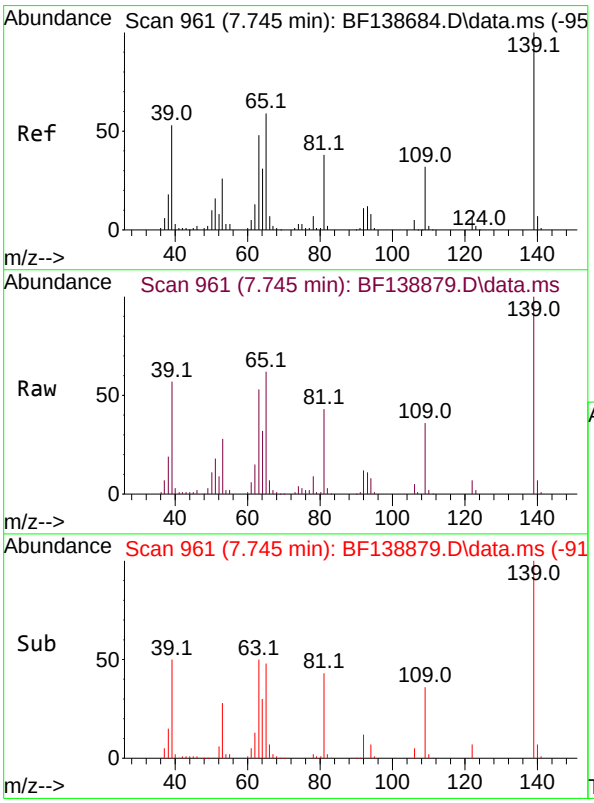
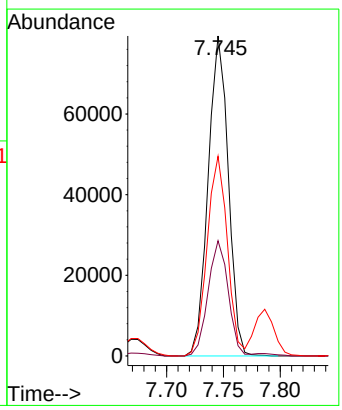
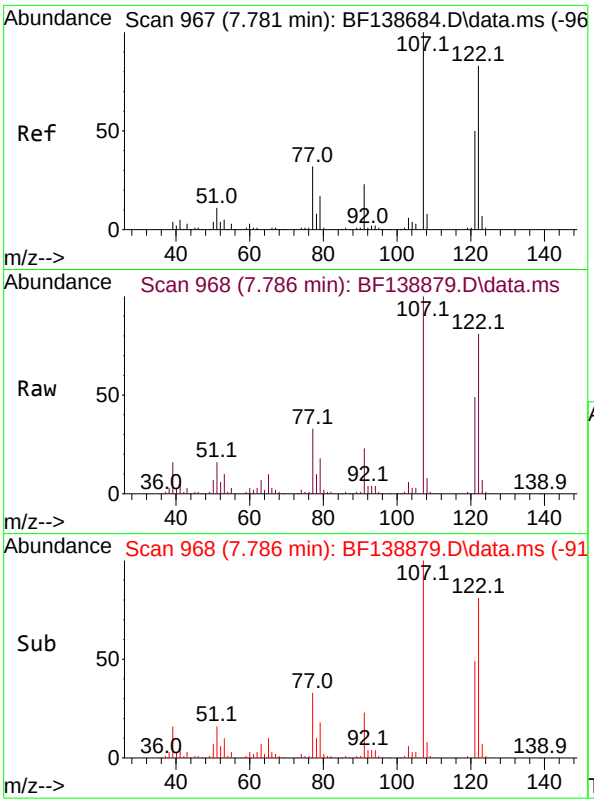


#26
2-Nitrophenol
Concen: 41.211 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:139 Resp: 97900

Ion	Ratio	Lower	Upper
139	100		
109	36.0	25.9	38.9
65	62.4	47.0	70.6

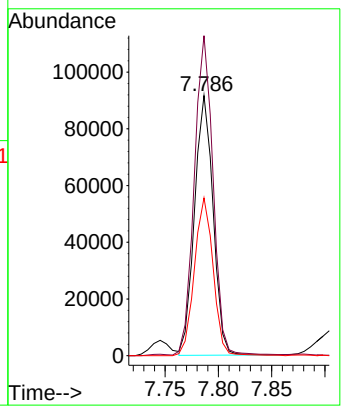




#27
2,4-Dimethylphenol
Concen: 39.127 ng
RT: 7.786 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:122 Resp: 11121

Ion	Ratio	Lower	Upper
122	100		
107	123.0	95.0	142.6
121	60.6	47.3	70.9



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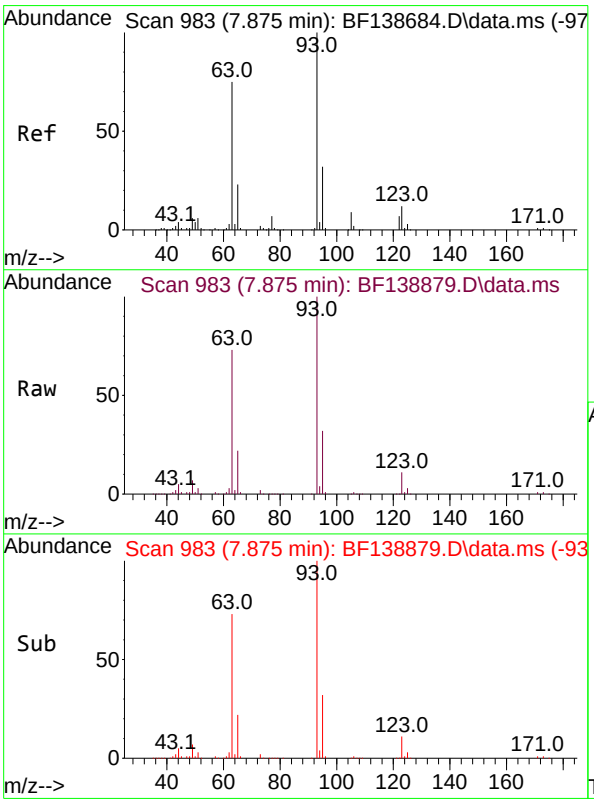
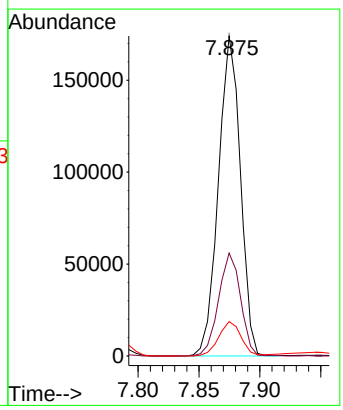
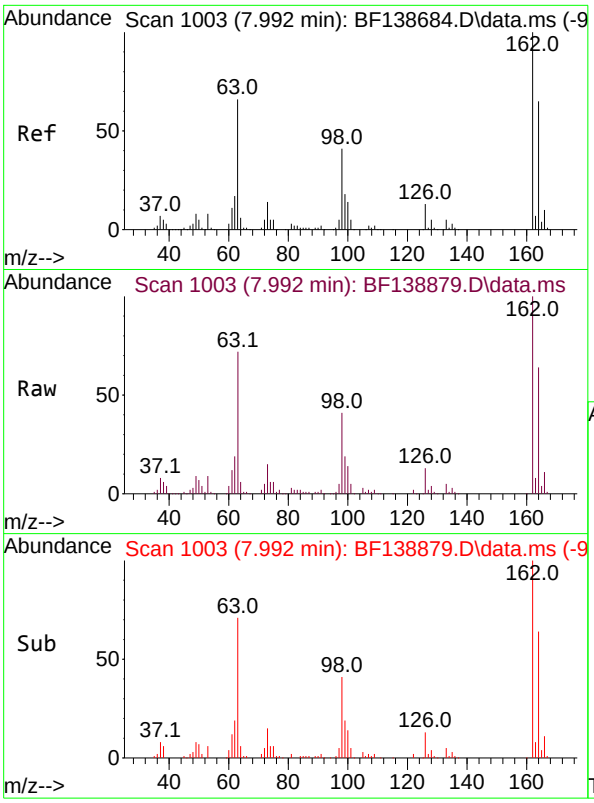


#28
bis(2-Chloroethoxy)methane
Concen: 38.796 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 93 Resp: 218905

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.8	9.4	14.0

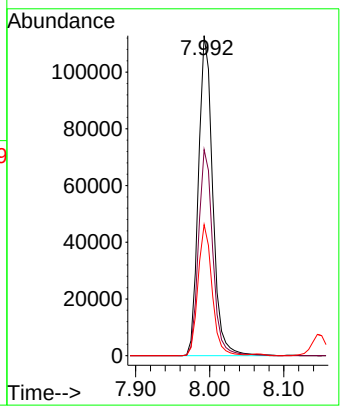




#29
2,4-Dichlorophenol
Concen: 41.240 ng
RT: 7.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:162 Resp: 15062

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.7	84.7
98	41.0	20.8	60.8



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ClientSampleId :
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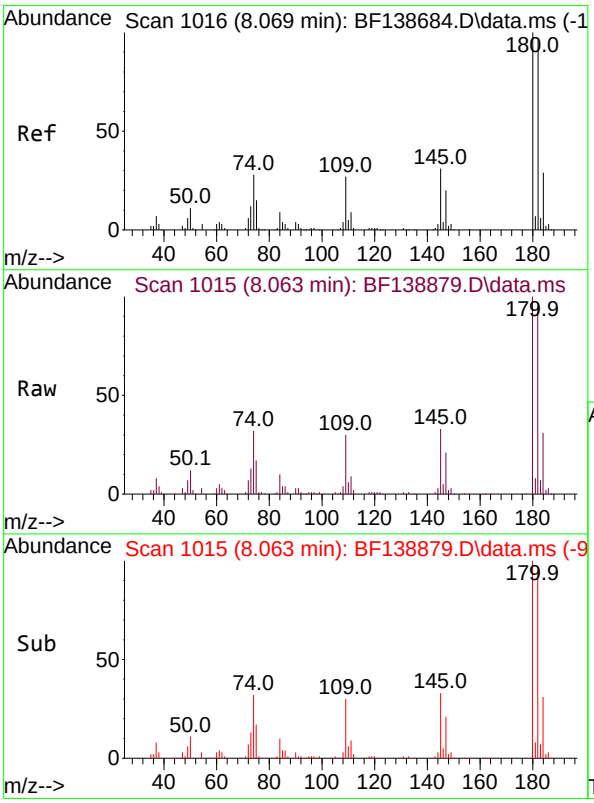
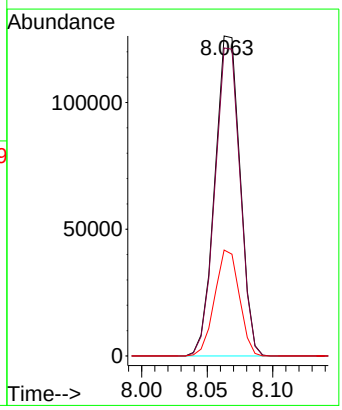
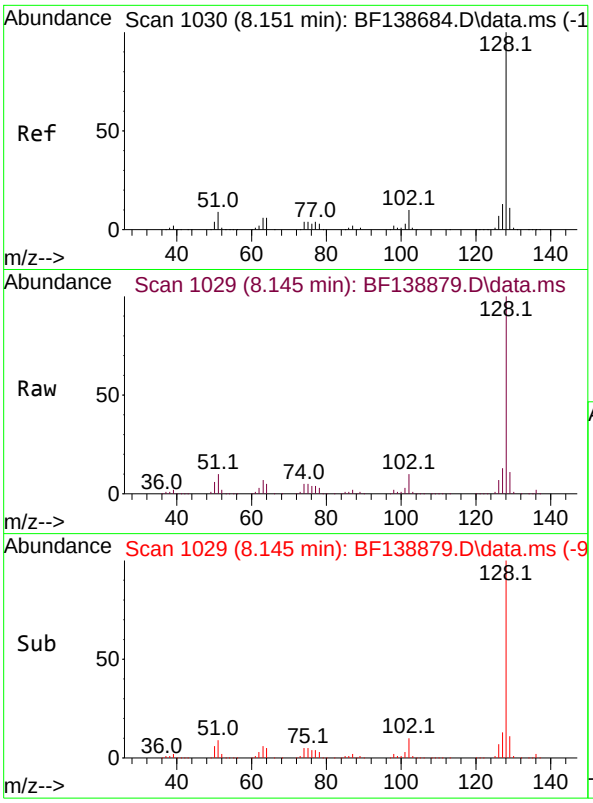


#30
1,2,4-Trichlorobenzene
Concen: 40.076 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:180 Resp: 168914

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.9	115.3
145	33.1	25.0	37.4

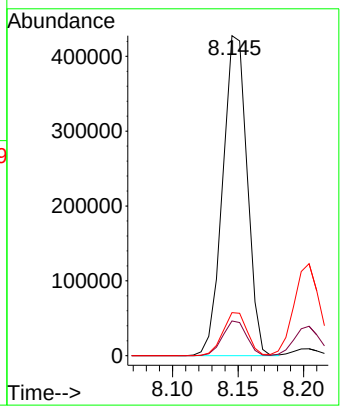




#31
Naphthalene
Concen: 39.667 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:128 Resp: 55392

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.6	16.0



Instrument :
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ClientSampleId :
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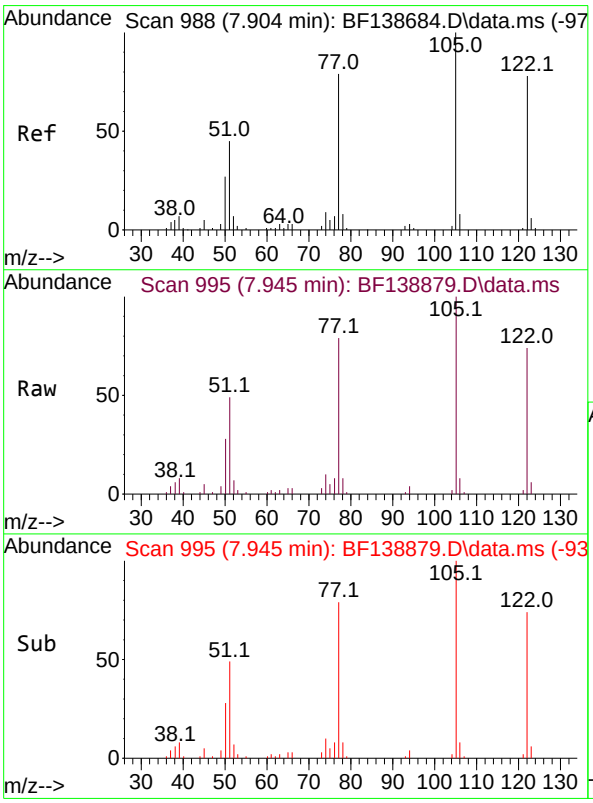
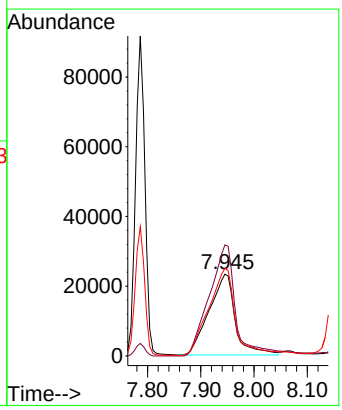
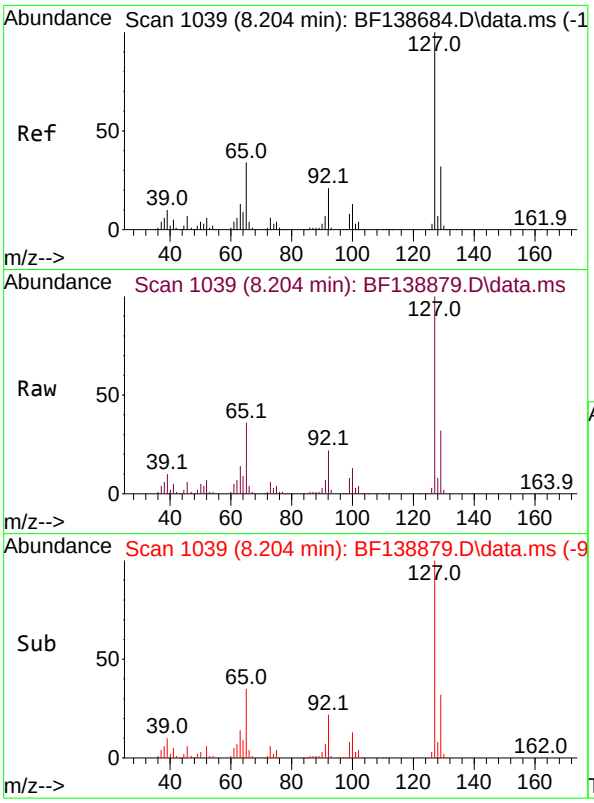


#32
Benzoic acid
Concen: 35.363 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.041 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:122 Resp: 79011

Ion	Ratio	Lower	Upper
122	100		
105	135.9	106.7	146.7
77	107.2	81.1	121.1

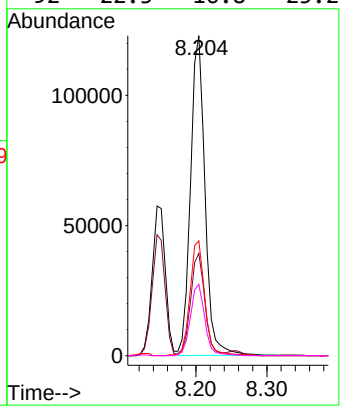




#33
4-Chloroaniline
Concen: 37.080 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:127 Resp: 17381

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	35.9	27.6	41.4
92	22.3	16.8	25.2



Instrument :
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ClientSampleId :
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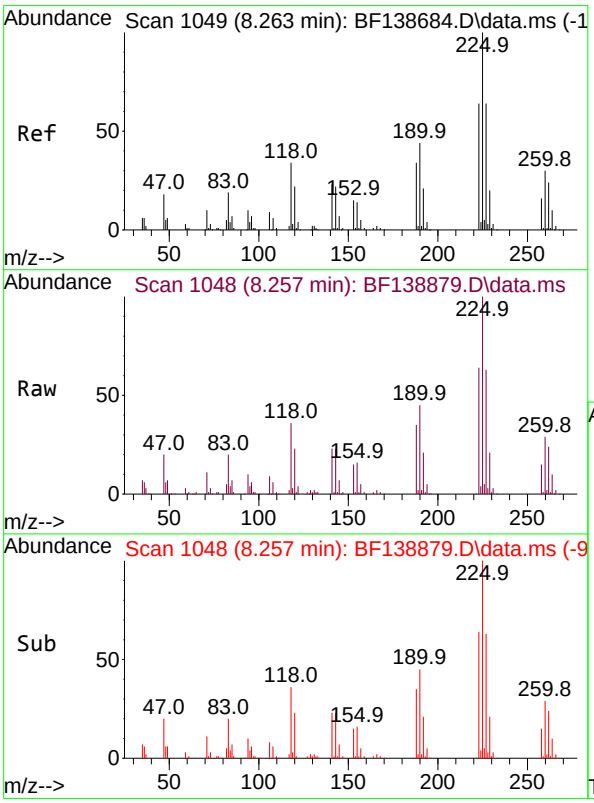
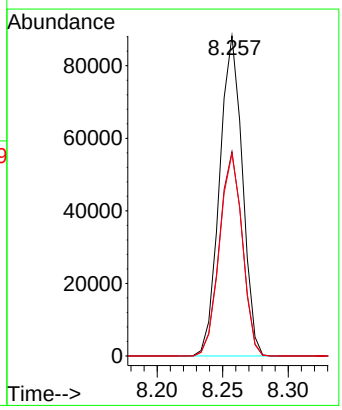
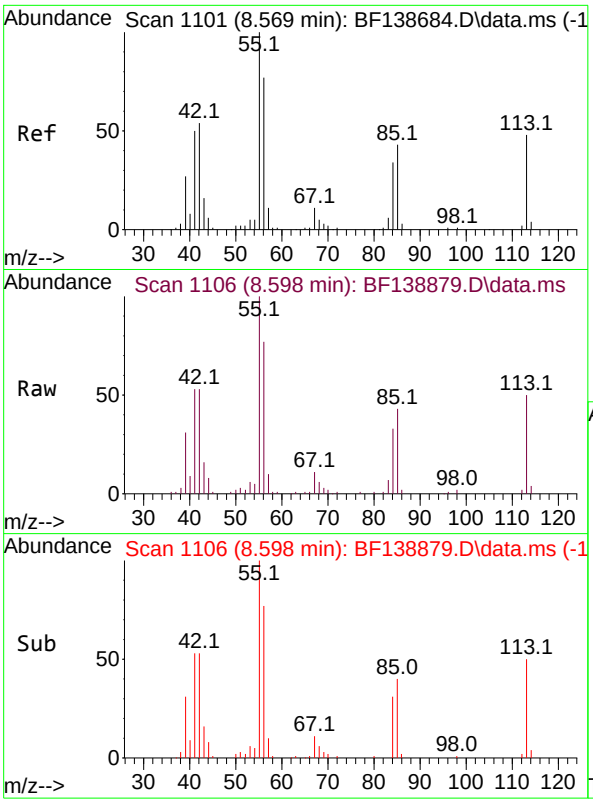


#34
Hexachlorobutadiene
Concen: 41.748 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:225 Resp: 106581

Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.2	76.8
227	63.2	51.1	76.7

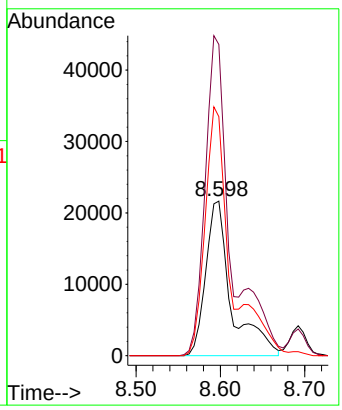




#35
Caprolactam
Concen: 42.020 ng m
RT: 8.598 min Scan# 1
Delta R.T. 0.029 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:113 Resp: 4579

Ion	Ratio	Lower	Upper
113	100		
55	201.3	186.7	226.7
56	154.6	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
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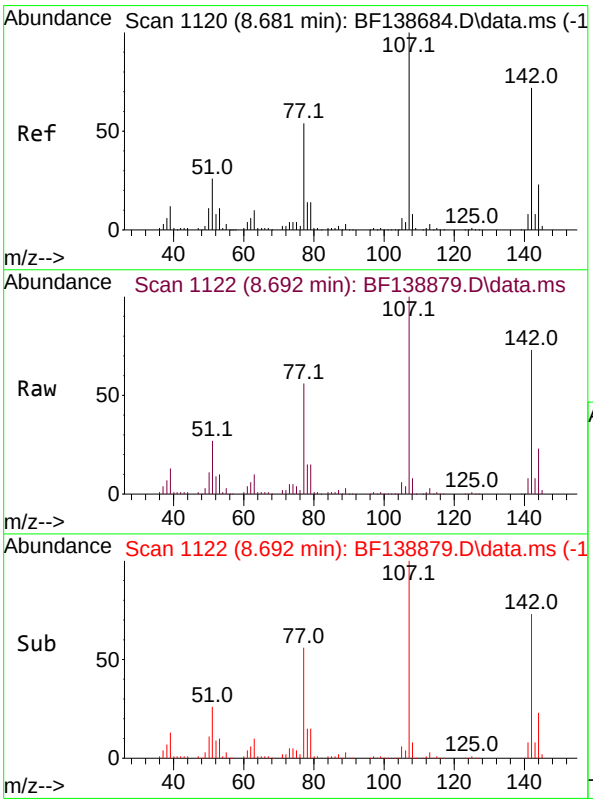
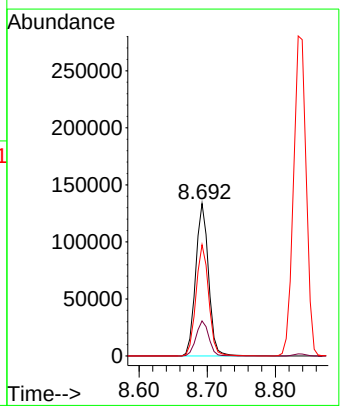
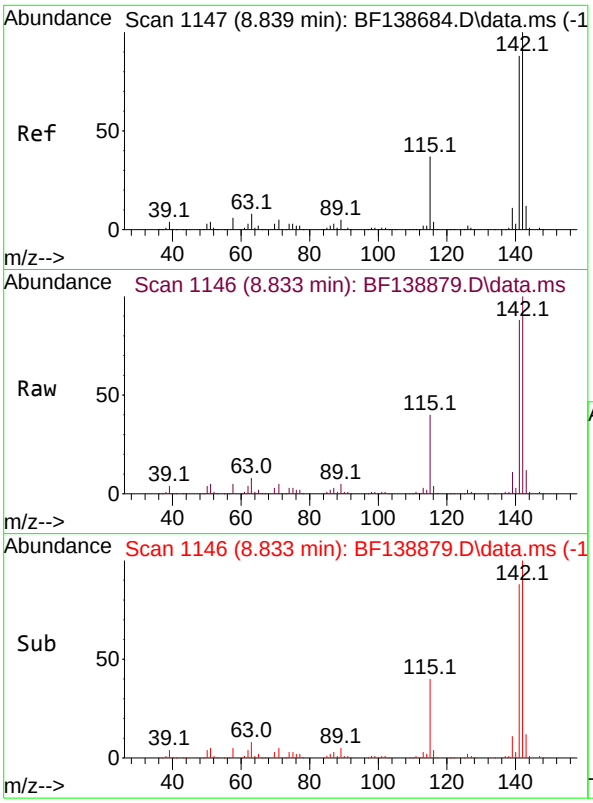


#36
4-Chloro-3-methylphenol
Concen: 41.980 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:107 Resp: 175226

Ion	Ratio	Lower	Upper
107	100		
144	23.0	18.2	27.2
142	72.9	57.4	86.2





#37
2-Methylnaphthalene
Concen: 41.211 ng
RT: 8.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:142 Resp: 36344

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2

Instrument :
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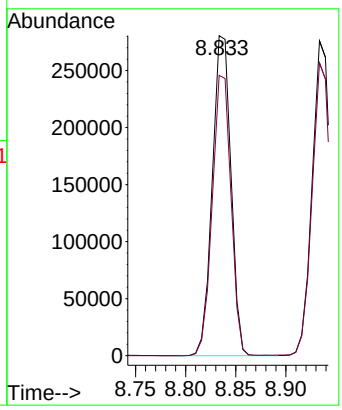
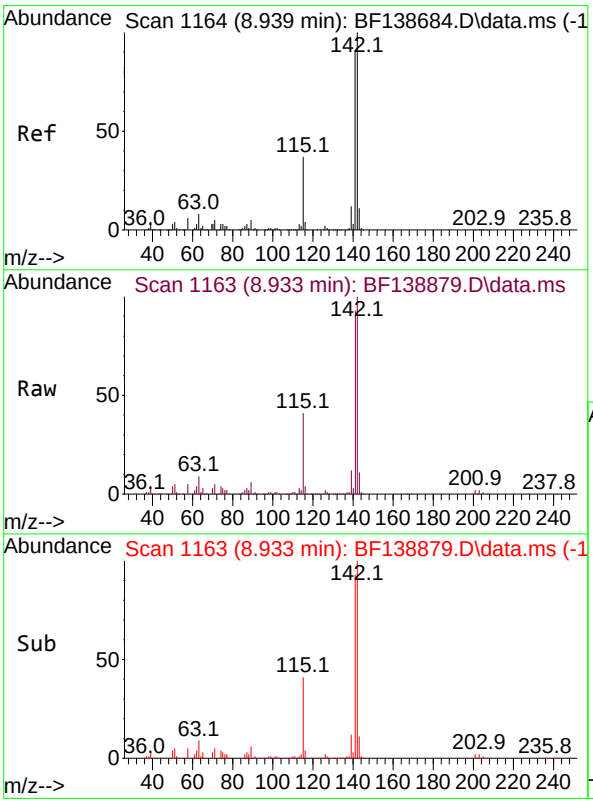
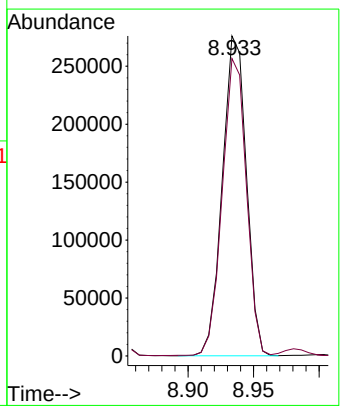


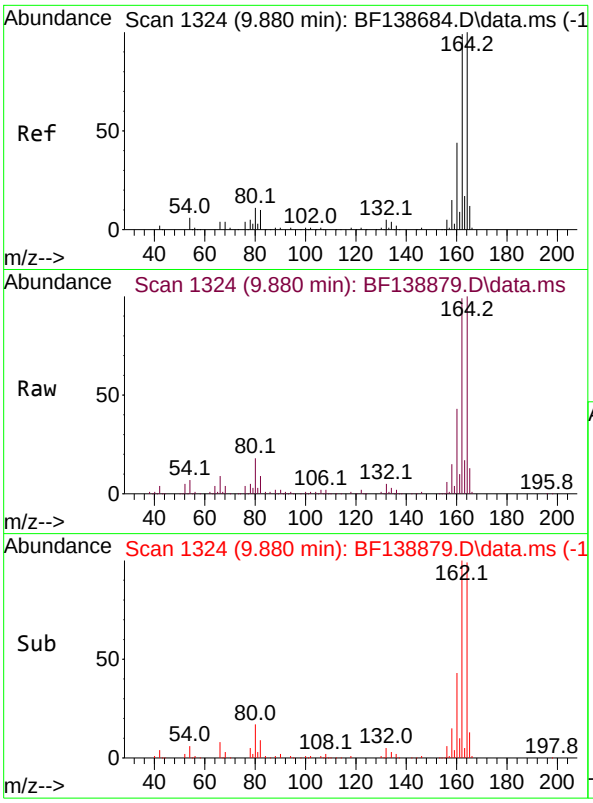


#38
1-Methylnaphthalene
Concen: 40.707 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:142 Resp: 351793

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.1	109.7

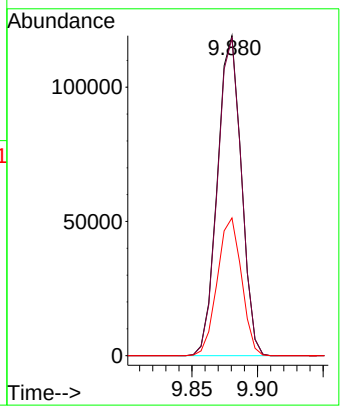




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:164 Resp: 15108

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	43.1	35.1	52.7



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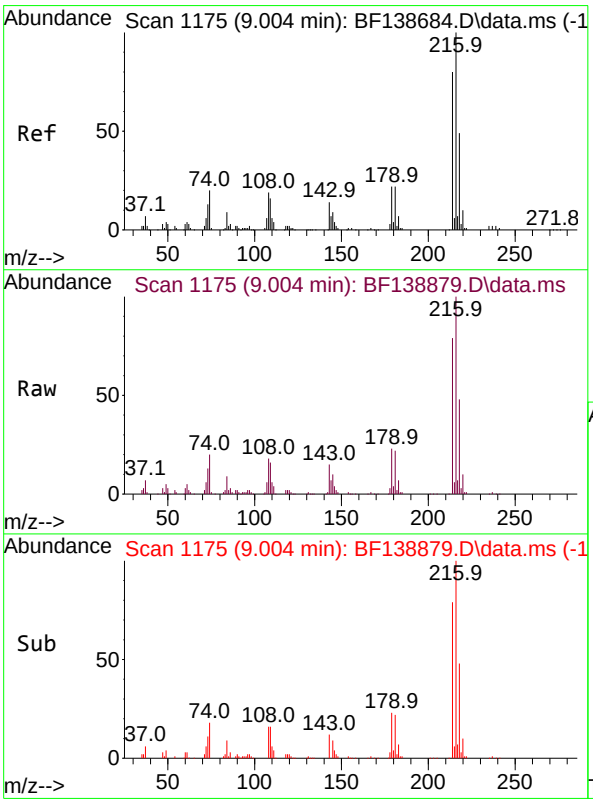
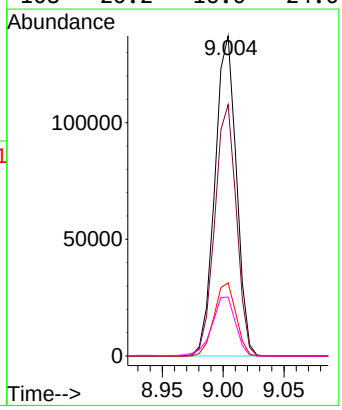
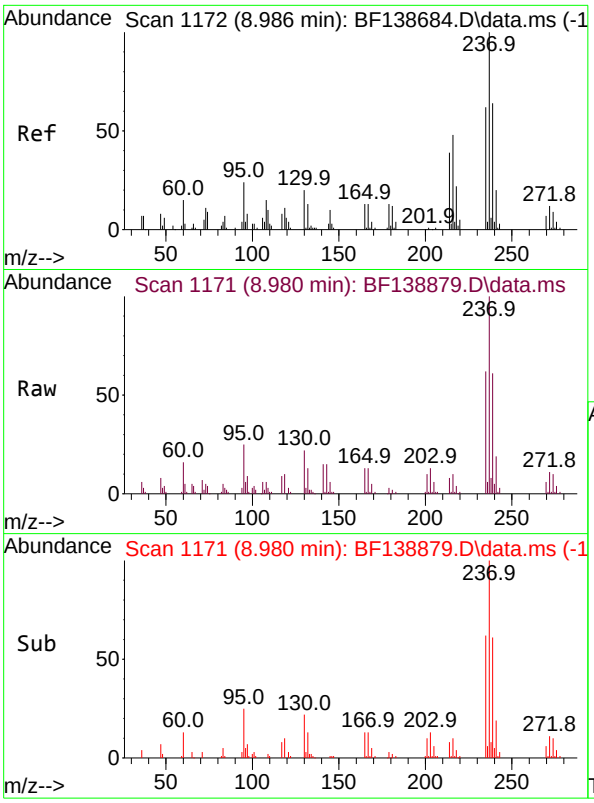


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.151 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:216 Resp: 168508

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.9	95.9
179	23.2	17.8	26.6
108	20.2	16.0	24.0

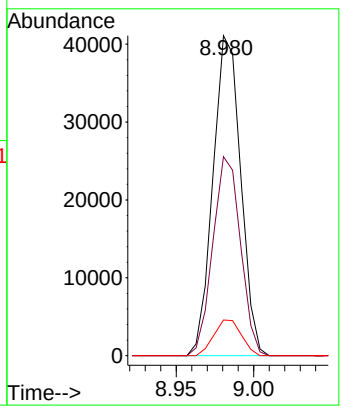




#41
Hexachlorocyclopentadiene
Concen: 48.979 ng
RT: 8.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:237 Resp: 5112

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.8	81.8
272	11.1	0.0	32.2



Instrument :
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ClientSampleId :
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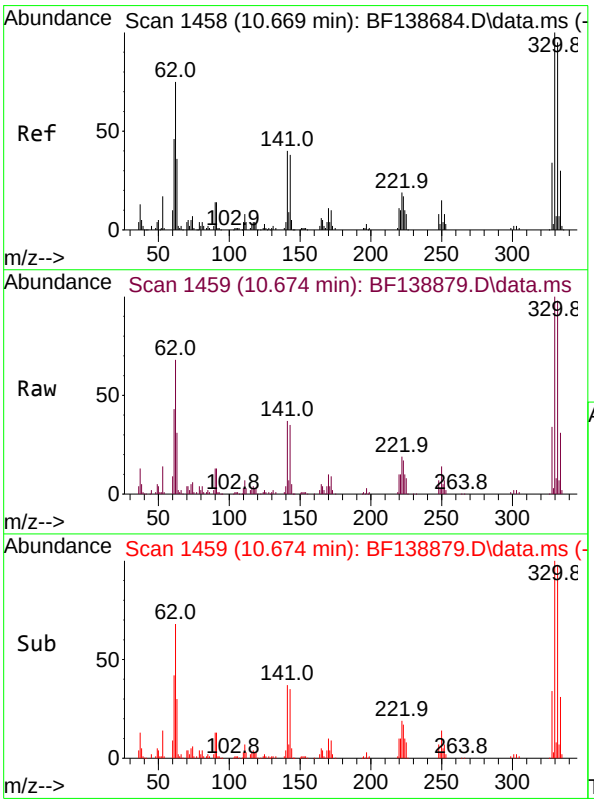
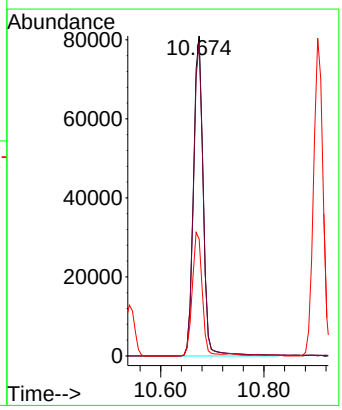
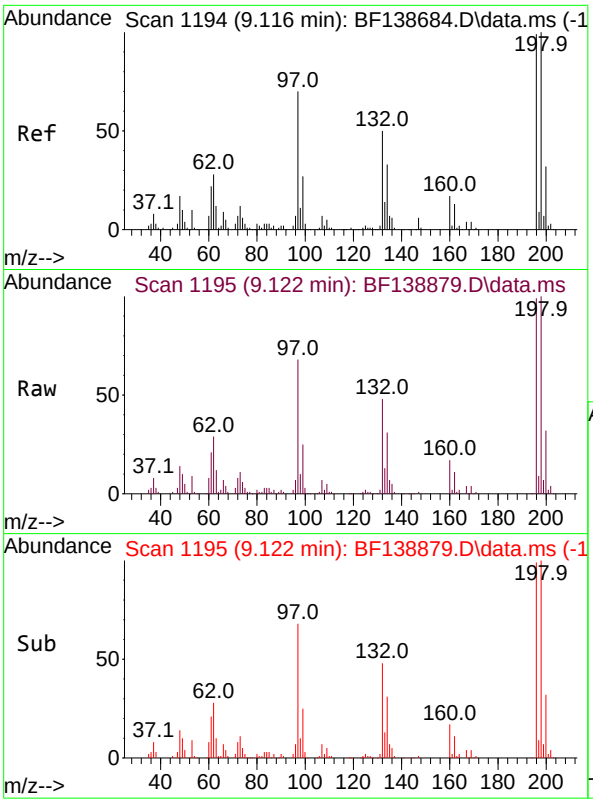


#42
2,4,6-Tribromophenol
Concen: 85.652 ng
RT: 10.674 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:330 Resp: 105999

Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.4	114.6
141	39.3	31.1	46.7

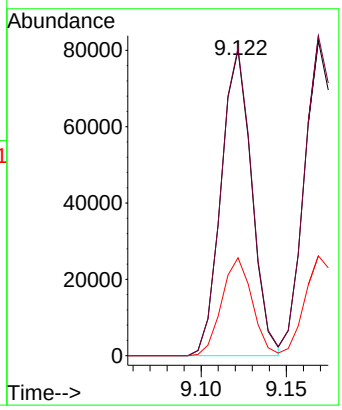




#43
2,4,6-Trichlorophenol
Concen: 39.044 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:196 Resp: 9990

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.5	120.7
200	32.1	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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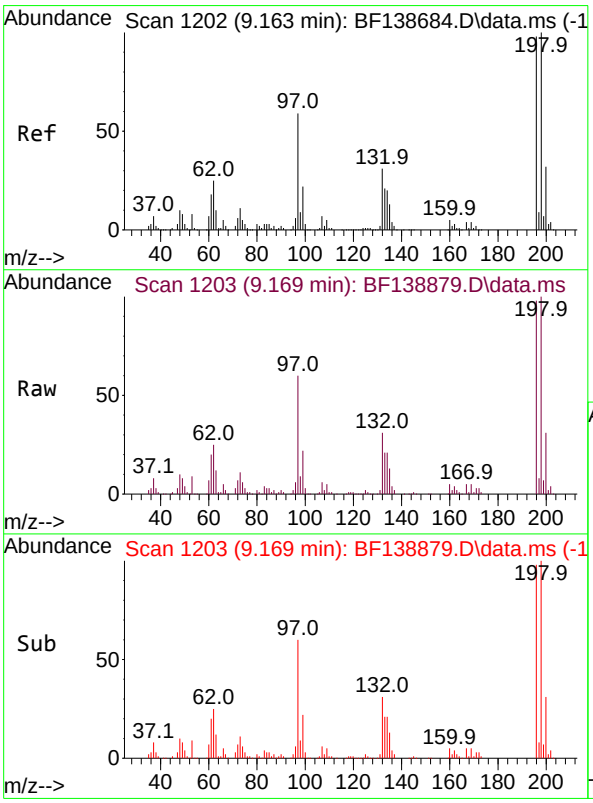
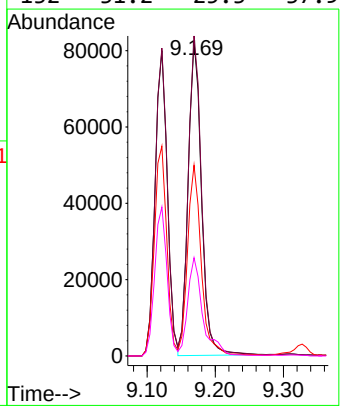
Supervised By :mohammad ahmed 08/12/2024

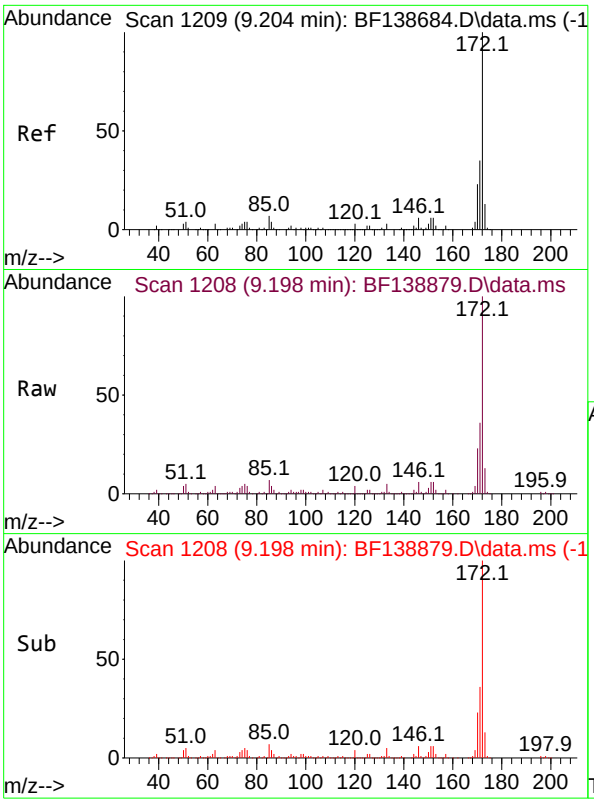


#44
2,4,5-Trichlorophenol
Concen: 39.672 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:196 Resp: 110978

Ion	Ratio	Lower	Upper
196	100		
198	101.5	81.2	121.8
97	60.5	47.8	71.6
132	31.2	25.3	37.9

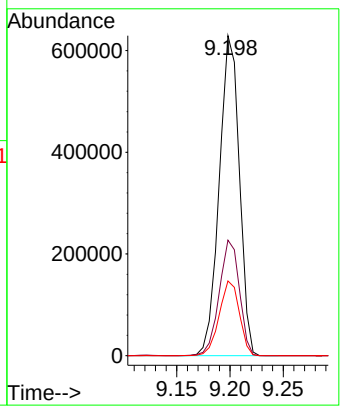




#45
2-Fluorobiphenyl
Concen: 82.084 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:172 Resp: 82537

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	23.4	18.8	28.2



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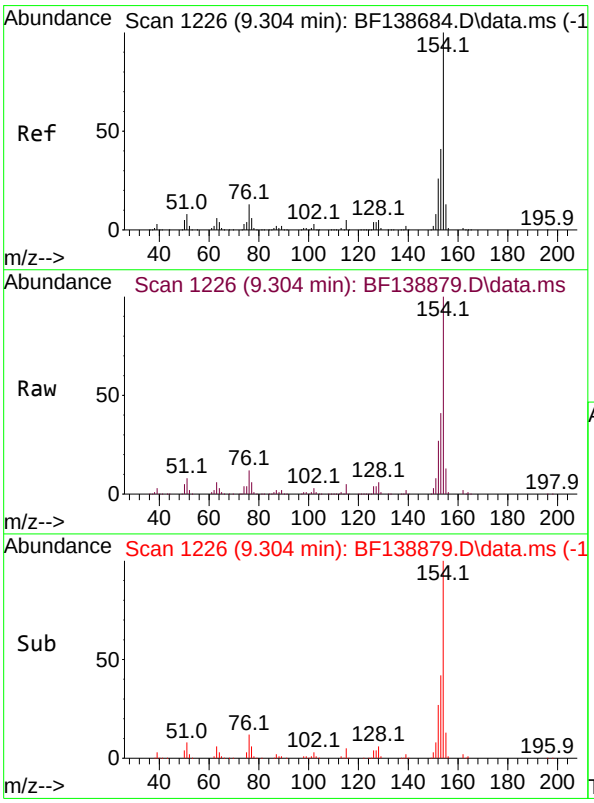
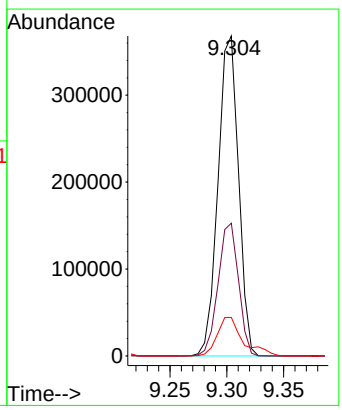
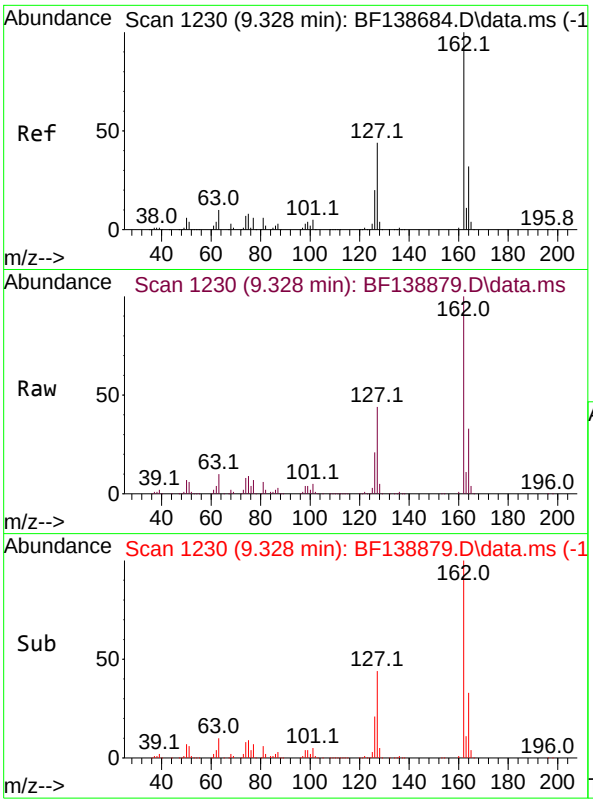


#46
1,1'-Biphenyl
Concen: 39.023 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:154 Resp: 461730

Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.8	60.8
76	12.0	0.0	32.8

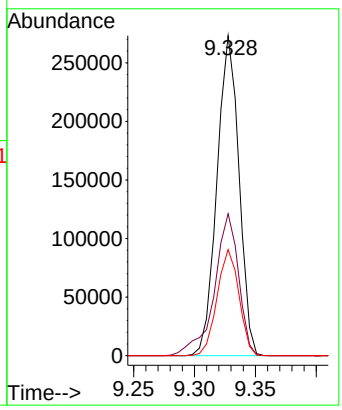




#47
2-Chloronaphthalene
Concen: 39.064 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:162 Resp: 34377

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.4	53.2
164	33.1	25.6	38.4



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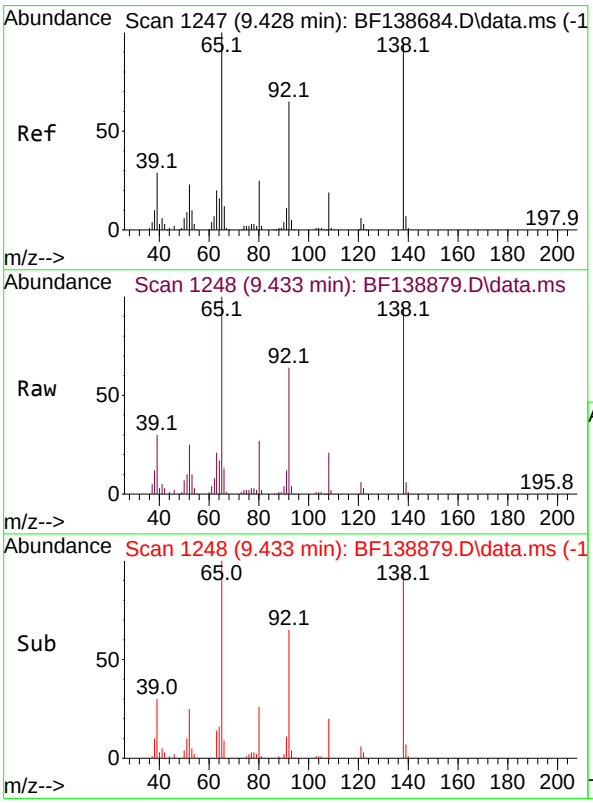
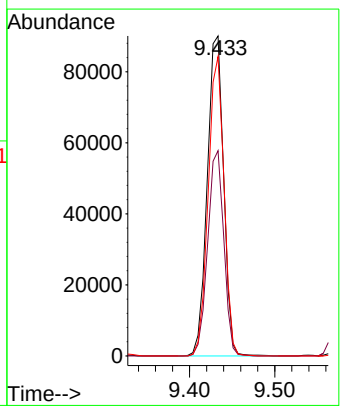
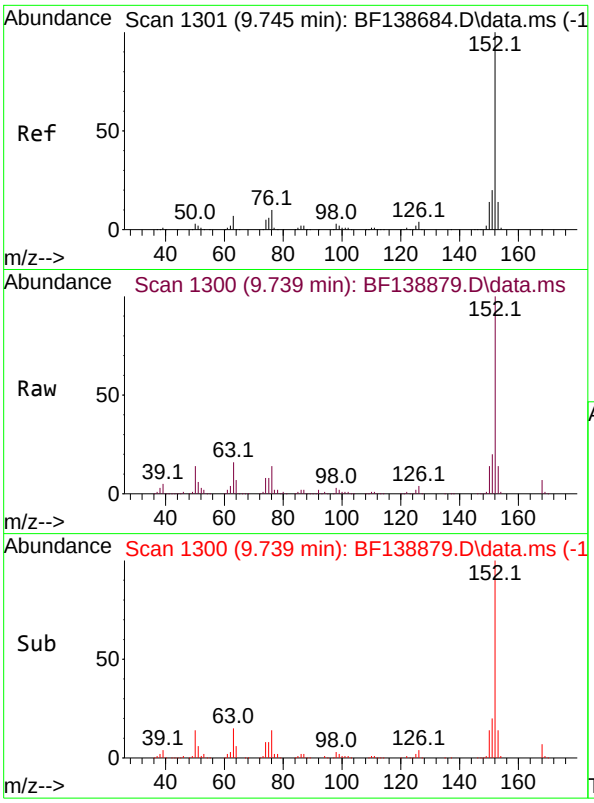


#48
2-Nitroaniline
Concen: 40.306 ng
RT: 9.433 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 65 Resp: 120246

Ion	Ratio	Lower	Upper
65	100		
92	64.2	52.0	78.0
138	93.6	76.2	114.4

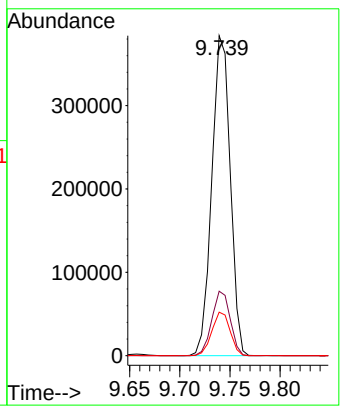




#49
Acenaphthylene
Concen: 39.295 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:152 Resp: 49045

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.6	11.0	16.4



Instrument :
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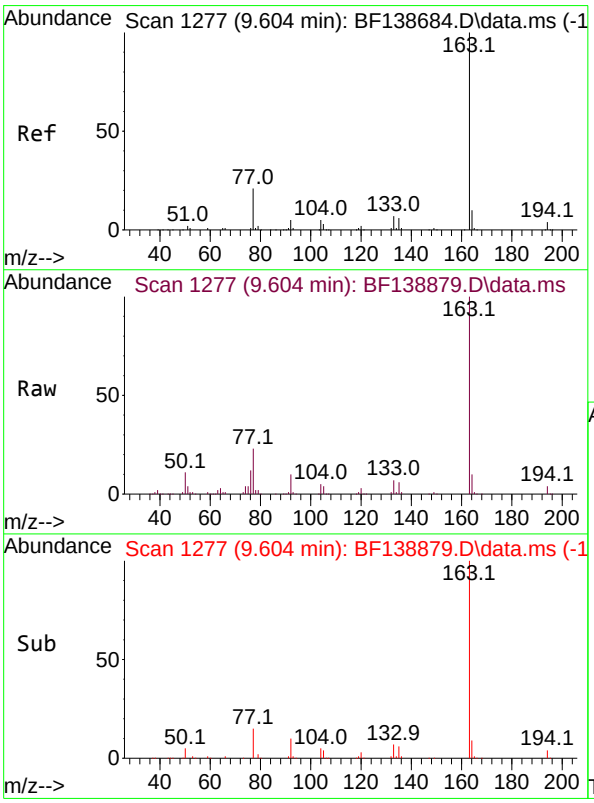
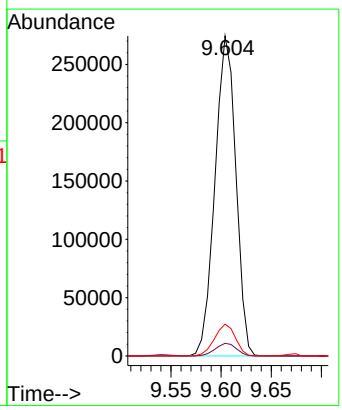
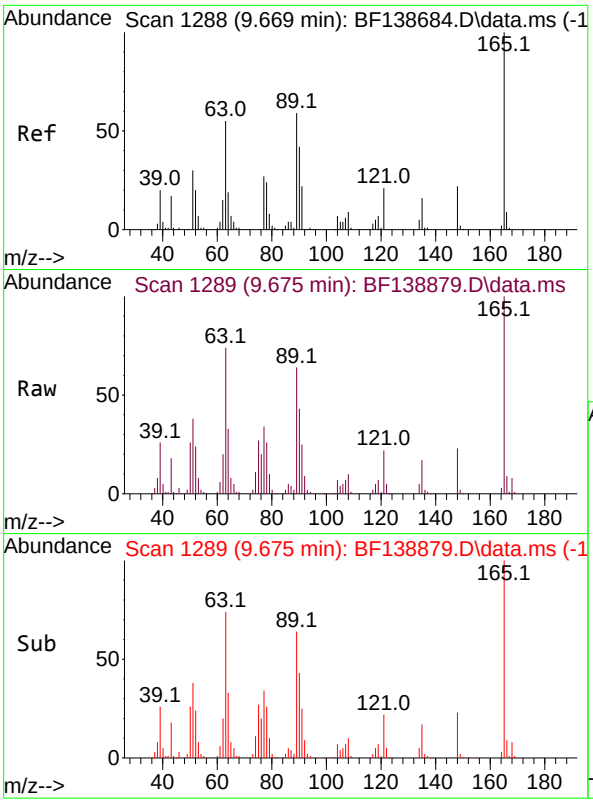


#50
Dimethylphthalate
Concen: 41.104 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:163 Resp: 397073

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.9	7.8	11.8

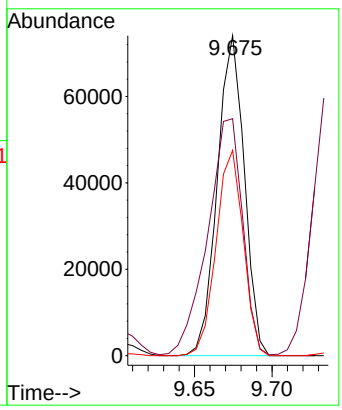




#51
2,6-Dinitrotoluene
Concen: 41.164 ng
RT: 9.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:165 Resp: 8974

Ion	Ratio	Lower	Upper
165	100		
63	74.1	52.0	78.0
89	64.2	47.0	70.6



Instrument :
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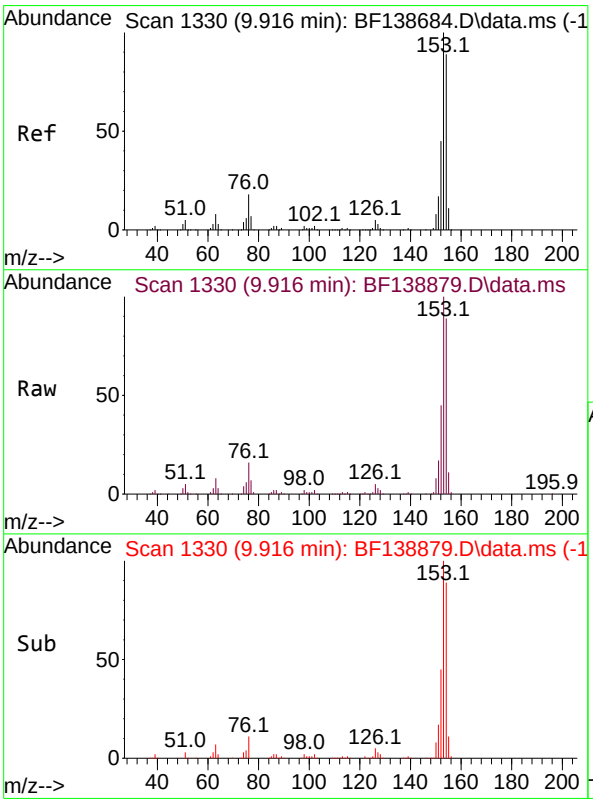
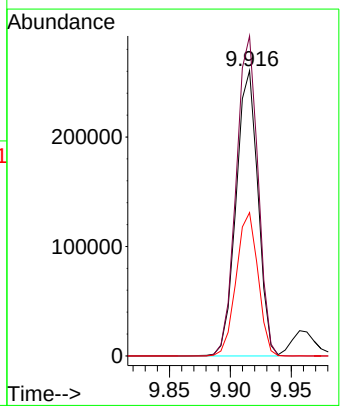
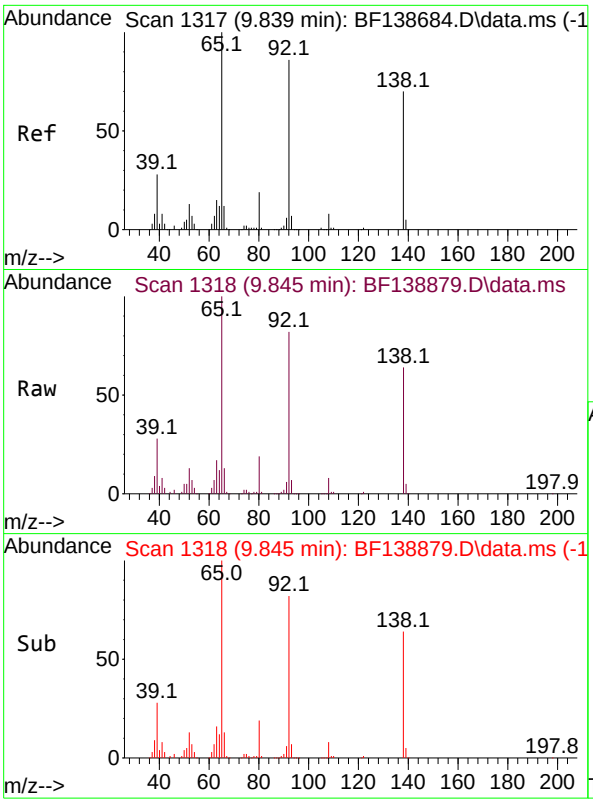


#52
Acenaphthene
Concen: 38.933 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:154 Resp: 326651

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.9	134.9
152	50.3	40.6	60.8





#53
3-Nitroaniline
Concen: 39.833 ng
RT: 9.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:138 Resp: 8977

Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.1	13.7
92	126.9	98.7	148.1

Instrument :
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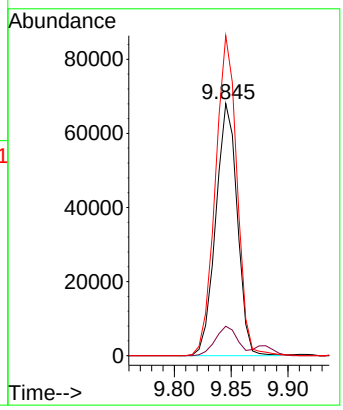
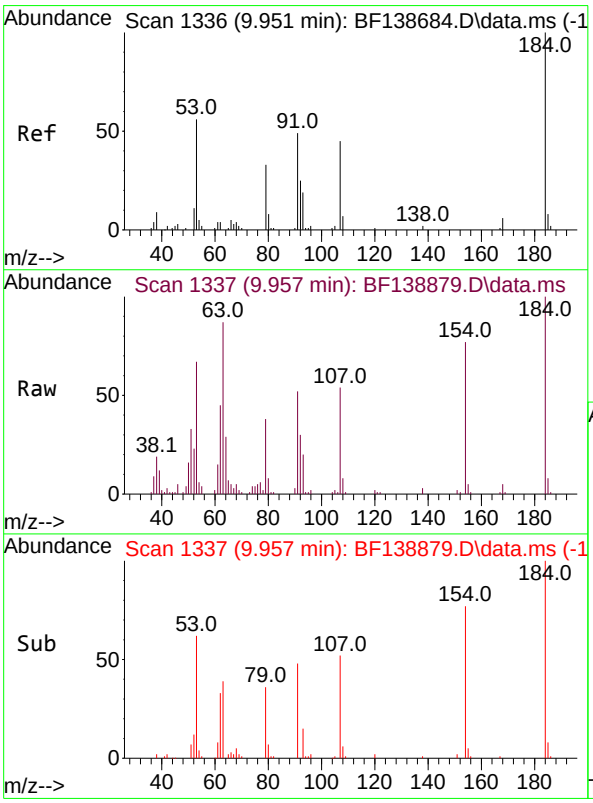
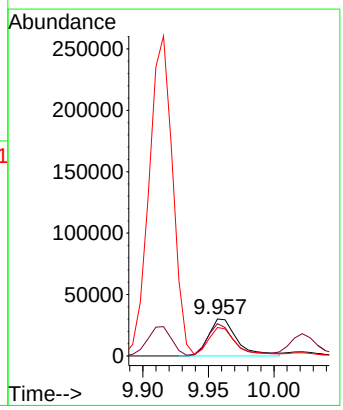


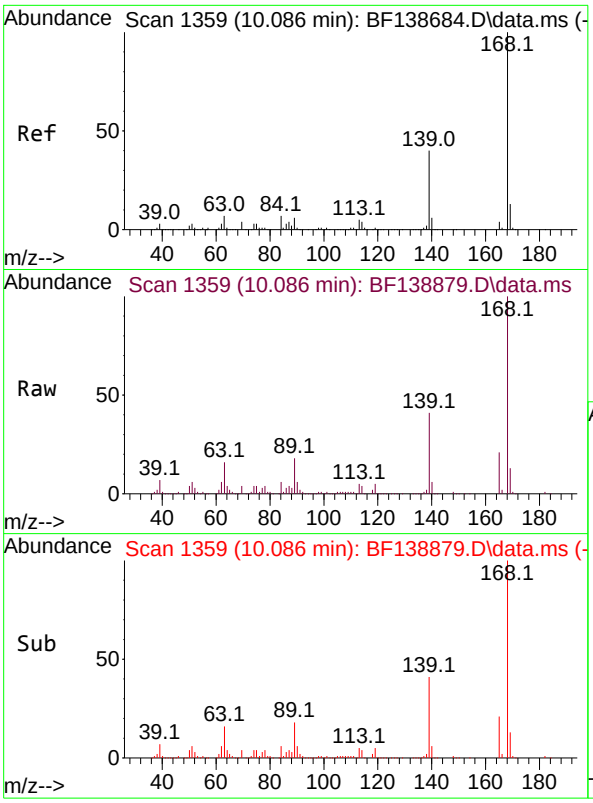


#54
2,4-Dinitrophenol
Concen: 45.240 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:184 Resp: 45402

Ion	Ratio	Lower	Upper
184	100		
63	87.4	57.5	86.3#
154	77.0	51.7	77.5

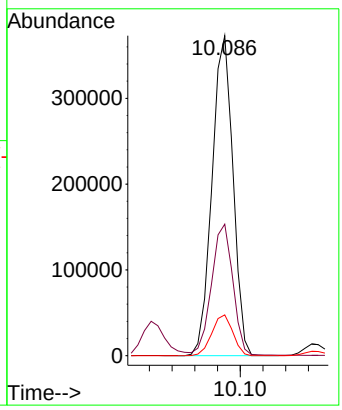




#55
Dibenzofuran
Concen: 40.270 ng
RT: 10.086 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:168 Resp: 47693

Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.6	49.0
169	12.7	10.7	16.1



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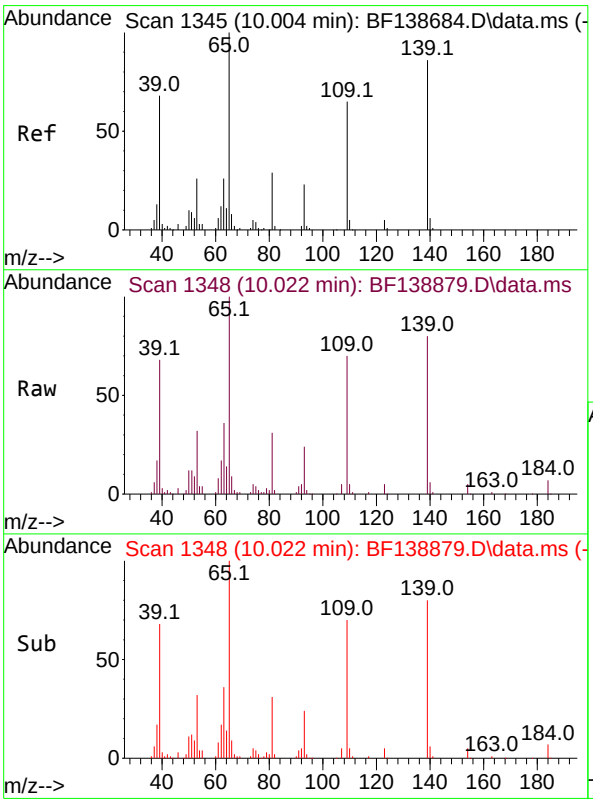
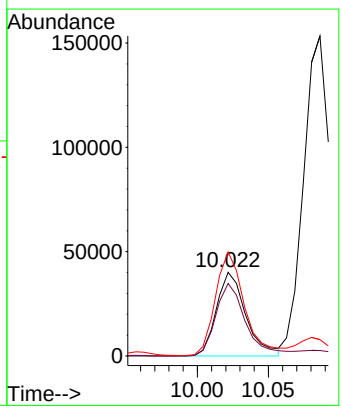
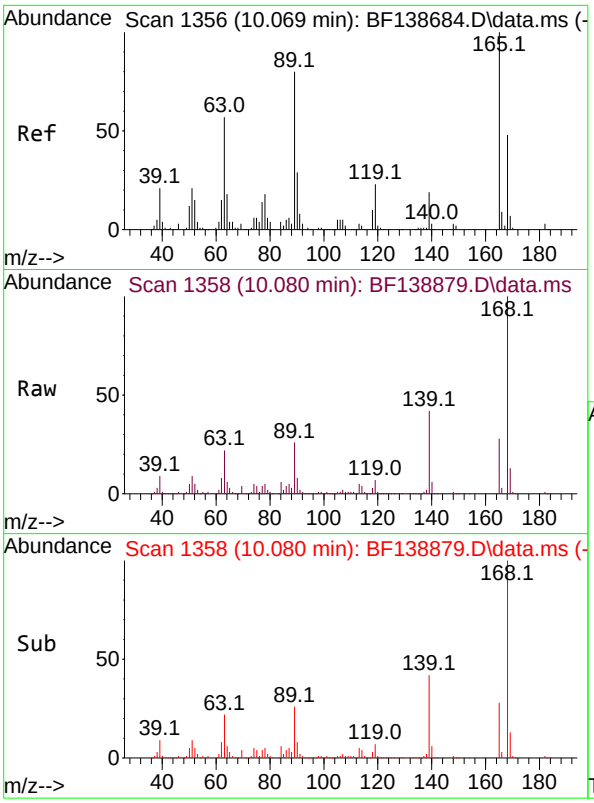


#56
4-Nitrophenol
Concen: 42.666 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:139 Resp: 57826

Ion	Ratio	Lower	Upper
139	100		
109	86.6	55.5	95.5
65	124.3	96.7	136.7

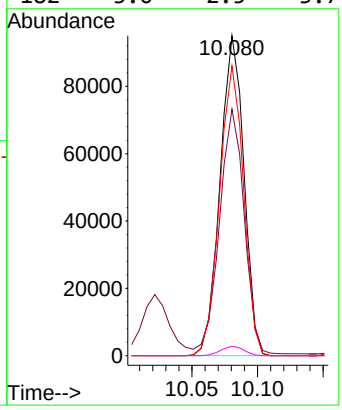




#57
2,4-Dinitrotoluene
Concen: 43.181 ng
RT: 10.080 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:165 Resp: 12010

Ion	Ratio	Lower	Upper
165	100		
63	77.0	46.3	69.5
89	90.5	64.2	96.4
182	3.0	2.5	3.7



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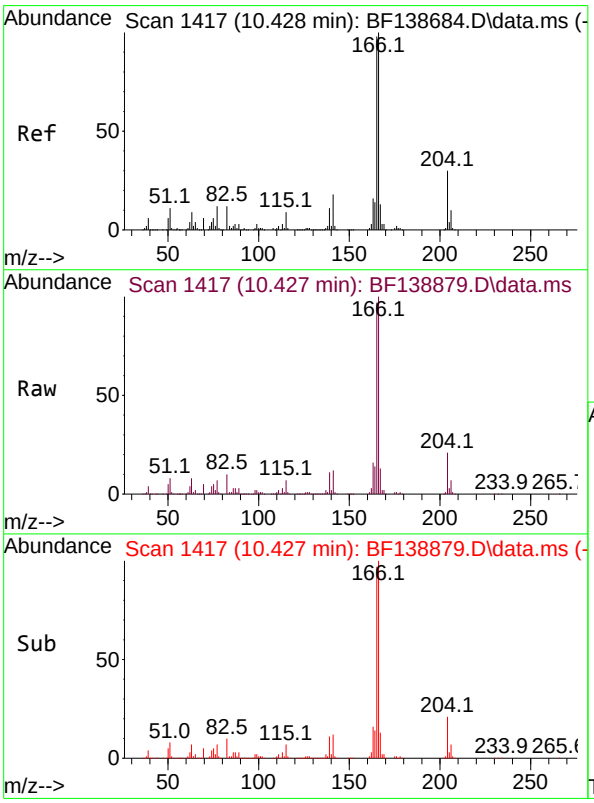
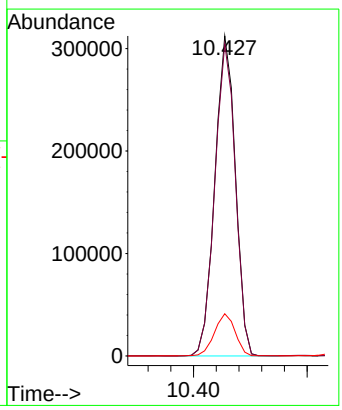
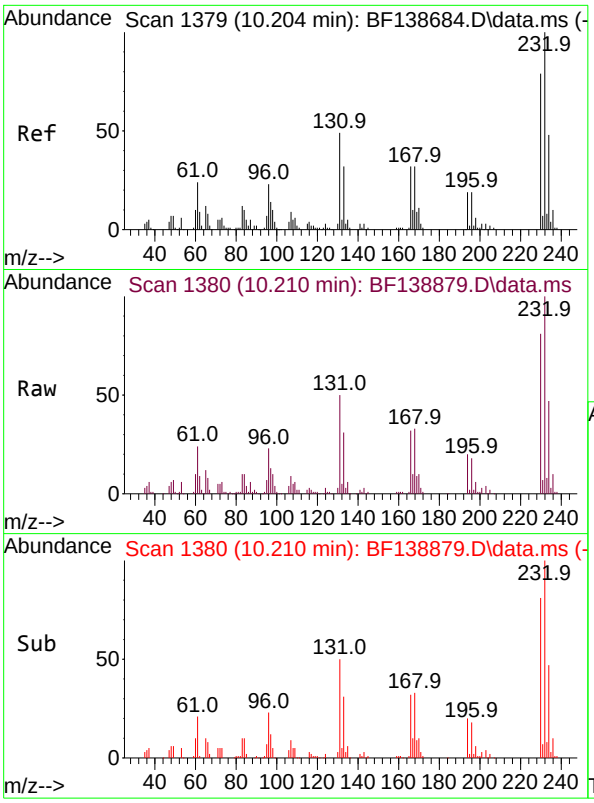


#58
Fluorene
Concen: 41.585 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:166 Resp: 392206

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.4	117.6
167	13.2	10.6	16.0

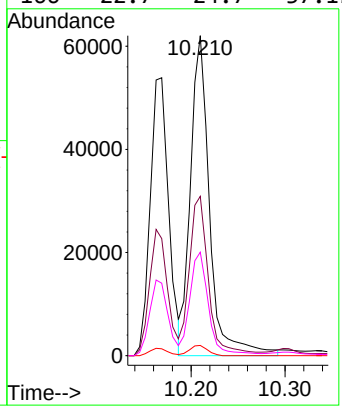




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.037 ng m
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:232 Resp: 8776

Ion	Ratio	Lower	Upper
232	100		
131	37.2	37.0	55.4
130	2.2	2.0	3.0
166	22.7	24.7	37.1#



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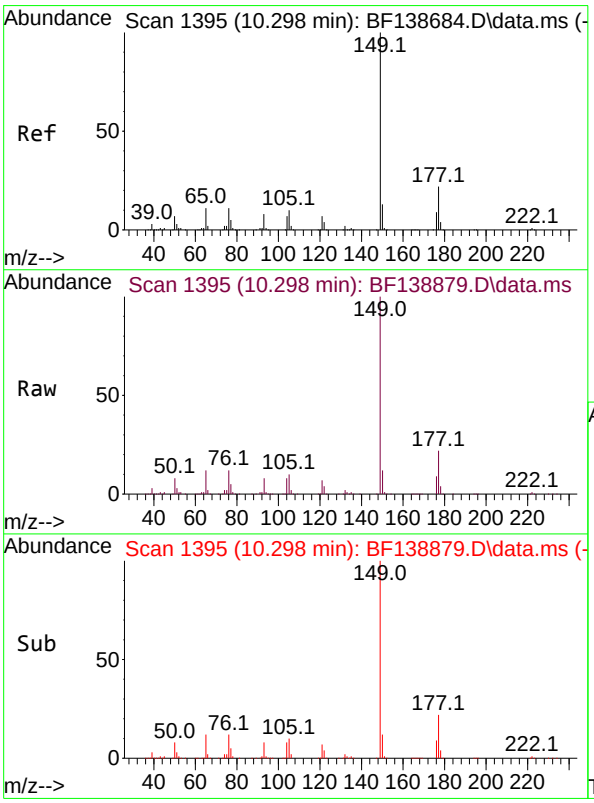
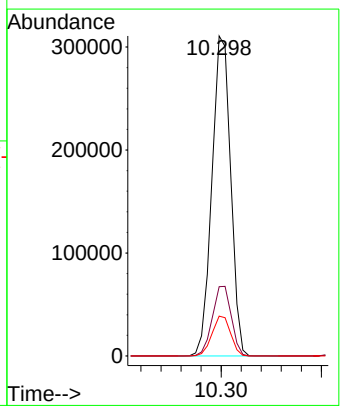
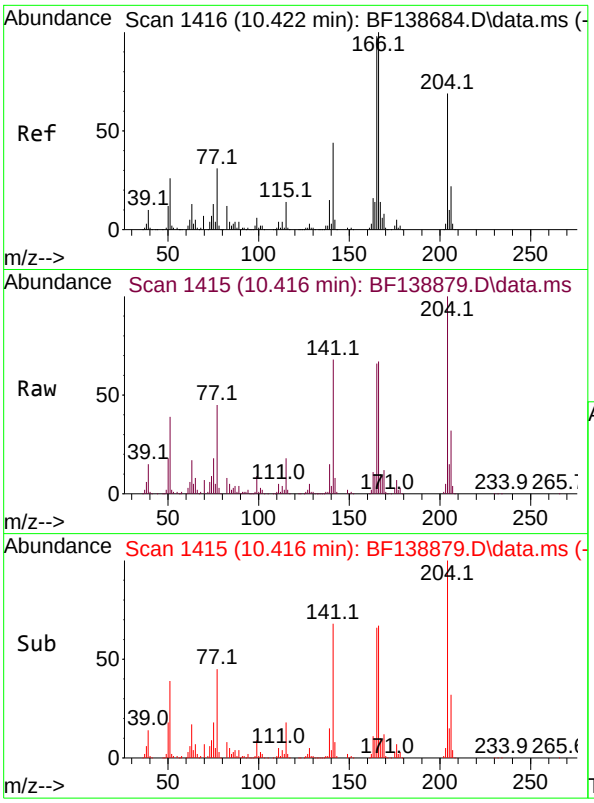


#60
Diethylphthalate
Concen: 43.927 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:149 Resp: 402355

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.8	26.8
150	12.4	10.1	15.1

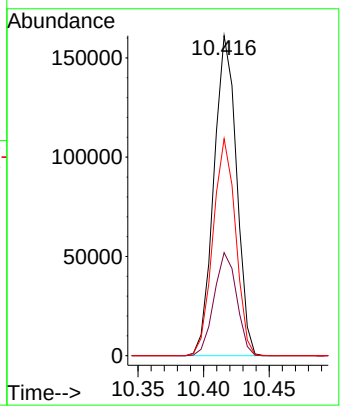




#61
4-Chlorophenyl-phenylether
Concen: 41.737 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:204 Resp: 19359

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.1	39.1
141	67.8	51.4	77.0



Instrument :
BNA_F
ClientSampleId :
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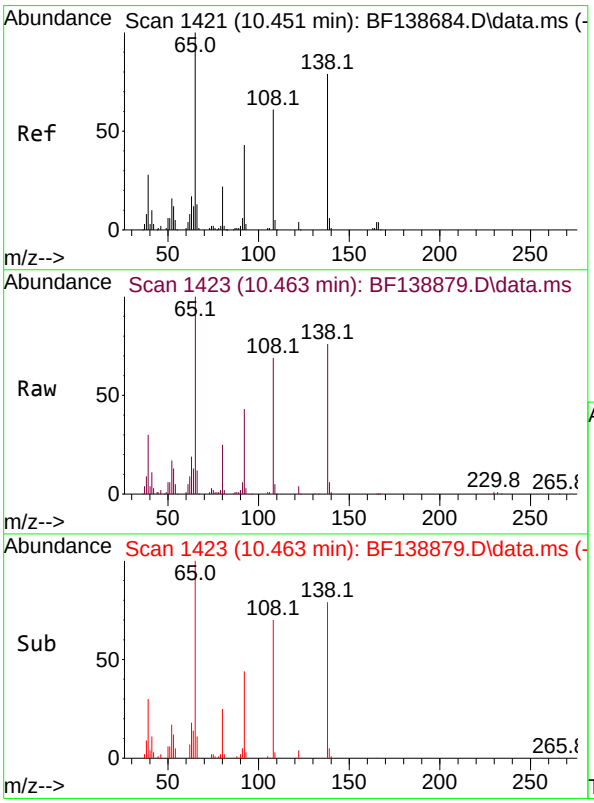
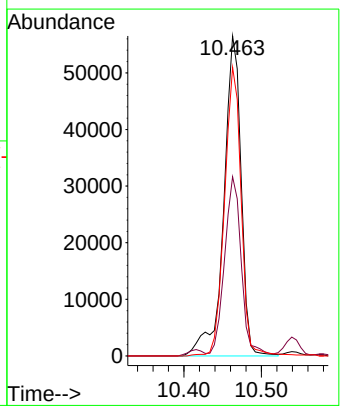
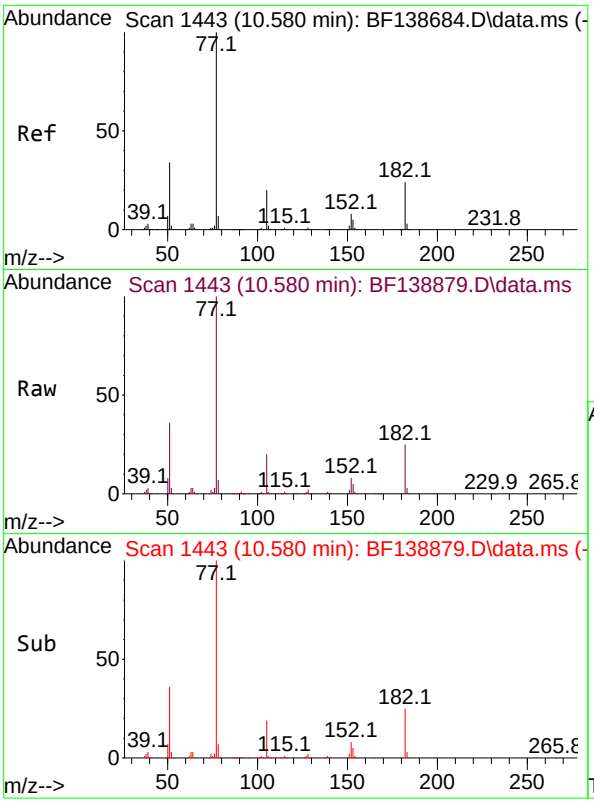


#62
4-Nitroaniline
Concen: 41.114 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:138 Resp: 88058

Ion	Ratio	Lower	Upper
138	100		
92	56.0	34.2	74.2
108	90.2	56.2	96.2

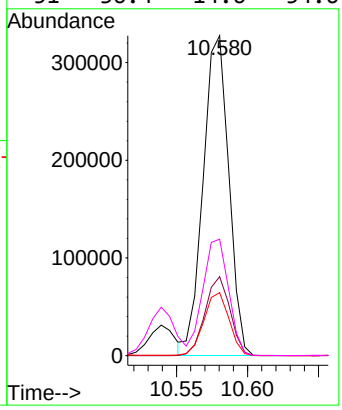




#63
Azobenzene
Concen: 40.571 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 77 Resp: 412159

Ion	Ratio	Lower	Upper
77	100		
182	24.7	3.4	43.4
105	19.7	0.2	40.2
51	36.4	14.6	54.6



Instrument :
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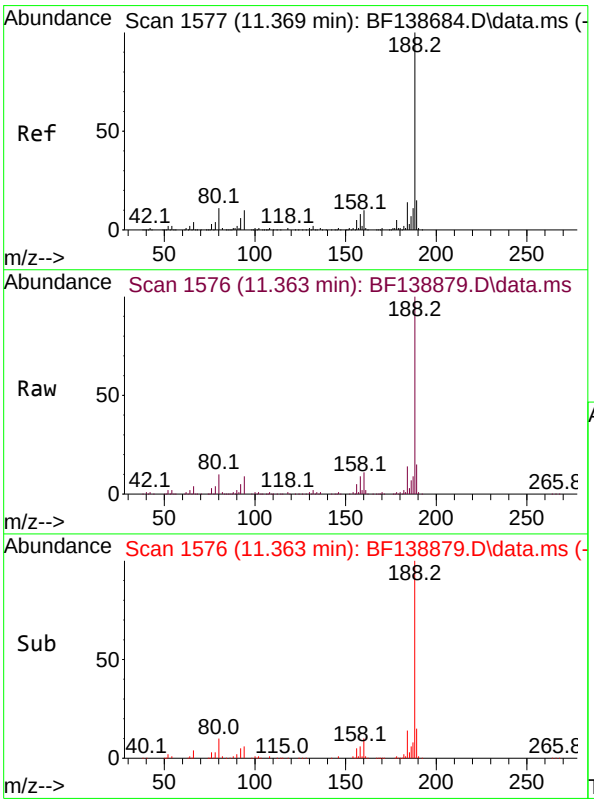
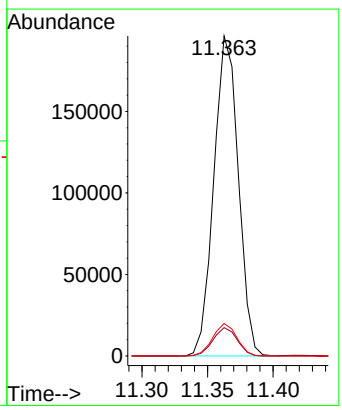
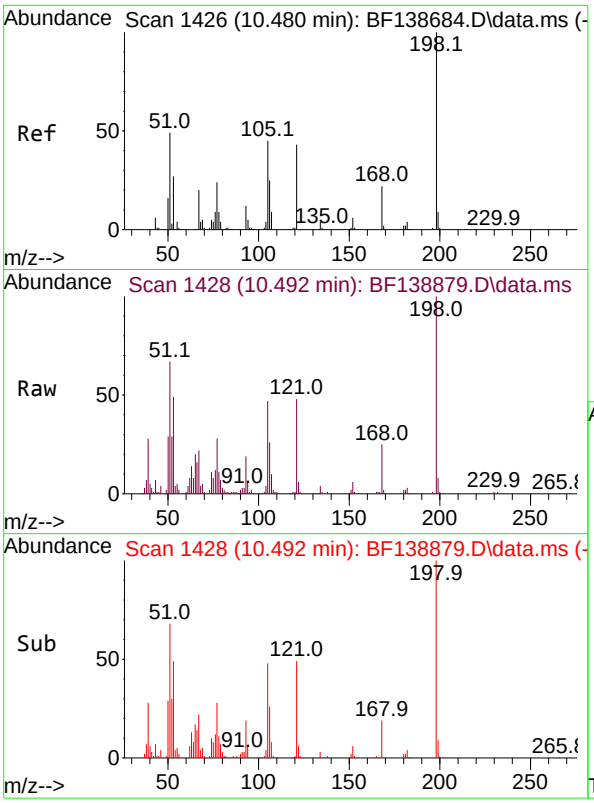


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:188 Resp: 254940

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

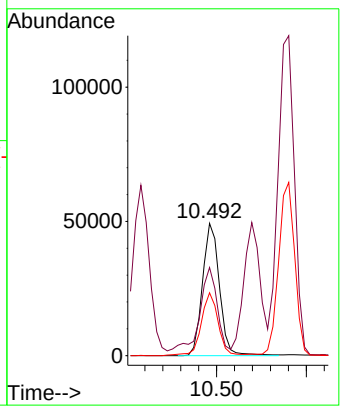




#65
4,6-Dinitro-2-methylphenol
Concen: 41.494 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:198 Resp: 6453

Ion	Ratio	Lower	Upper
198	100		
51	66.7	39.9	79.9
105	47.4	26.1	66.1



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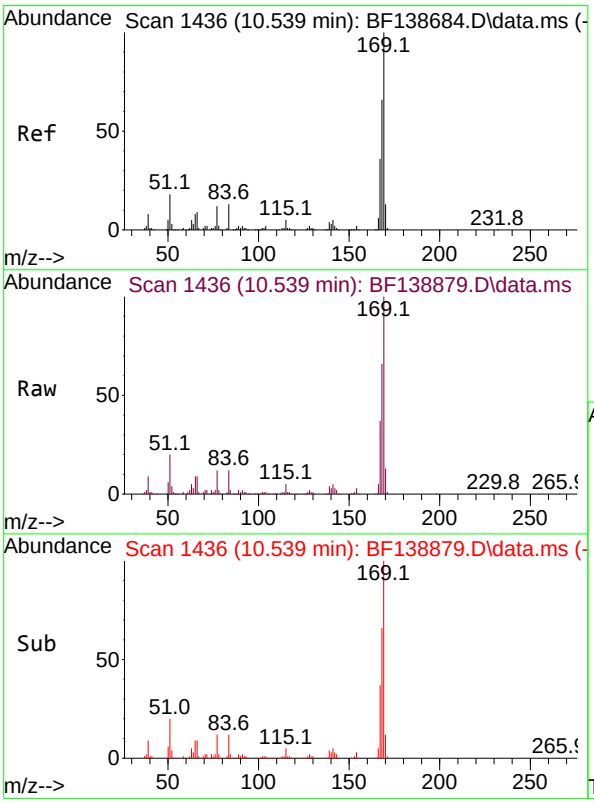
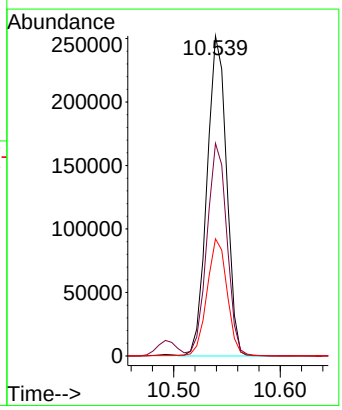
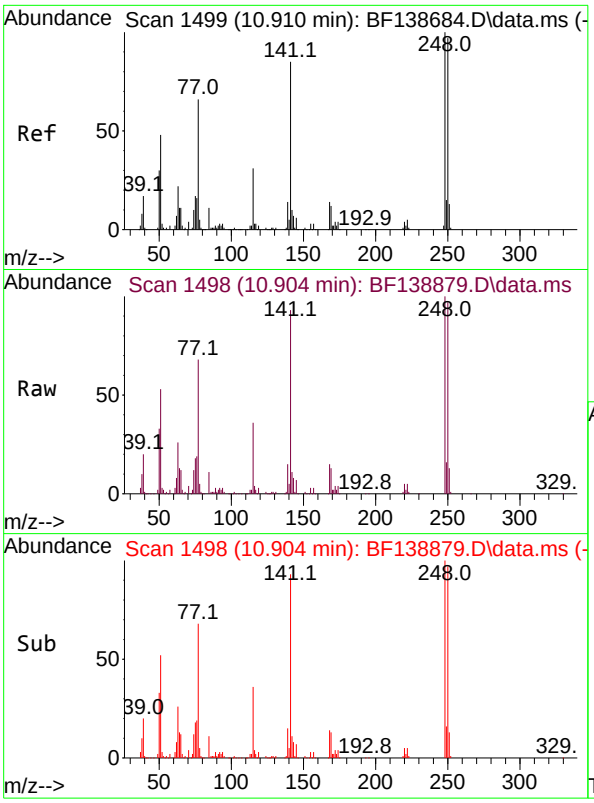


#66
n-Nitrosodiphenylamine
Concen: 40.327 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:169 Resp: 321358

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	36.6	29.0	43.6

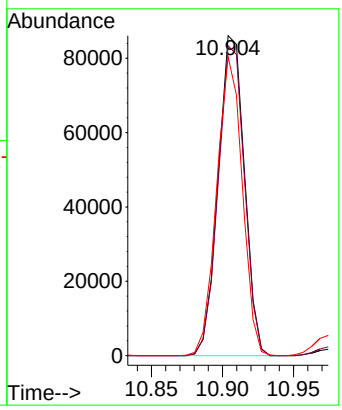




#67
4-Bromophenyl-phenylether
Concen: 40.221 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:248 Resp: 11101

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	93.4	68.0	102.0



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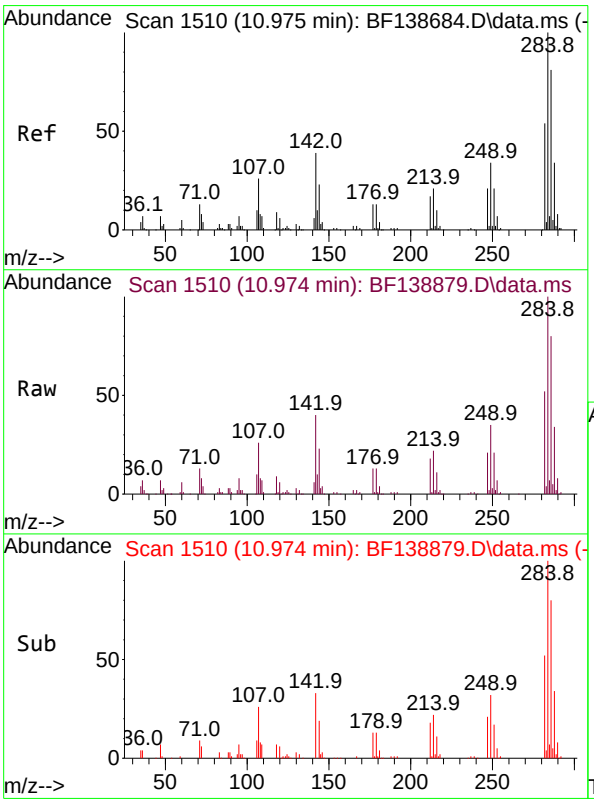
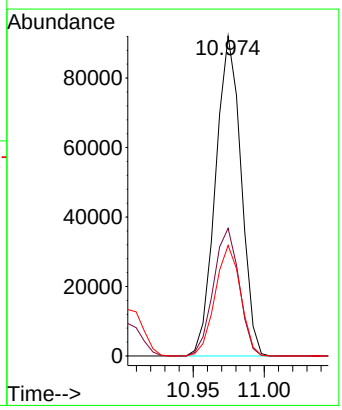
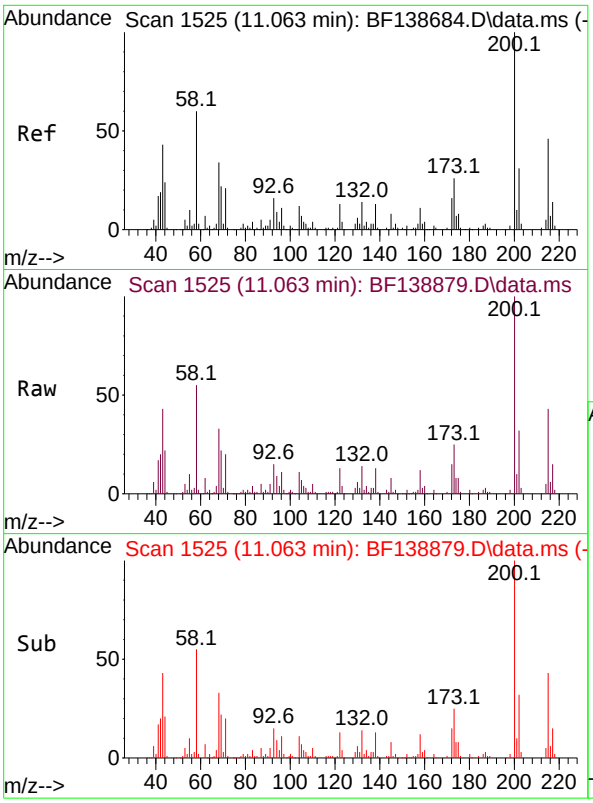


#68
Hexachlorobenzene
Concen: 40.333 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:284 Resp: 114946

Ion	Ratio	Lower	Upper
284	100		
142	39.9	31.3	46.9
249	34.5	27.2	40.8

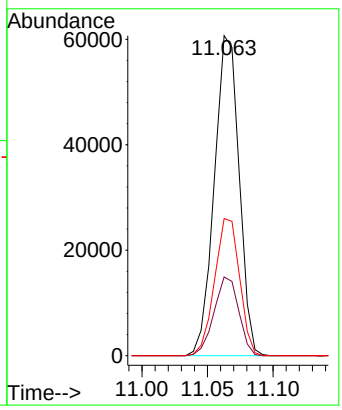




#69
Atrazine
Concen: 38.753 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:200 Resp: 7967

Ion	Ratio	Lower	Upper
200	100		
173	24.6	6.0	46.0
215	42.8	26.1	66.1



Instrument :
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ClientSampleId :
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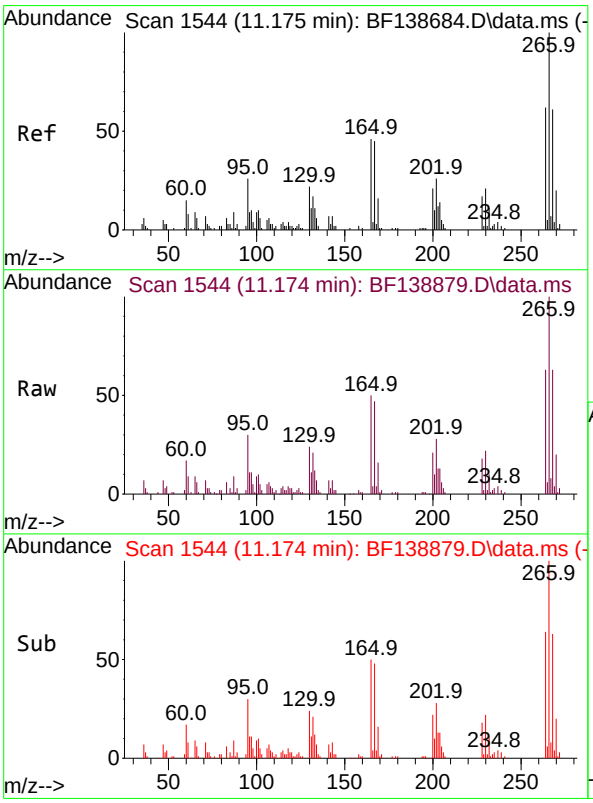
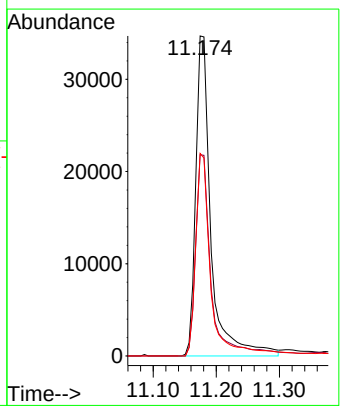
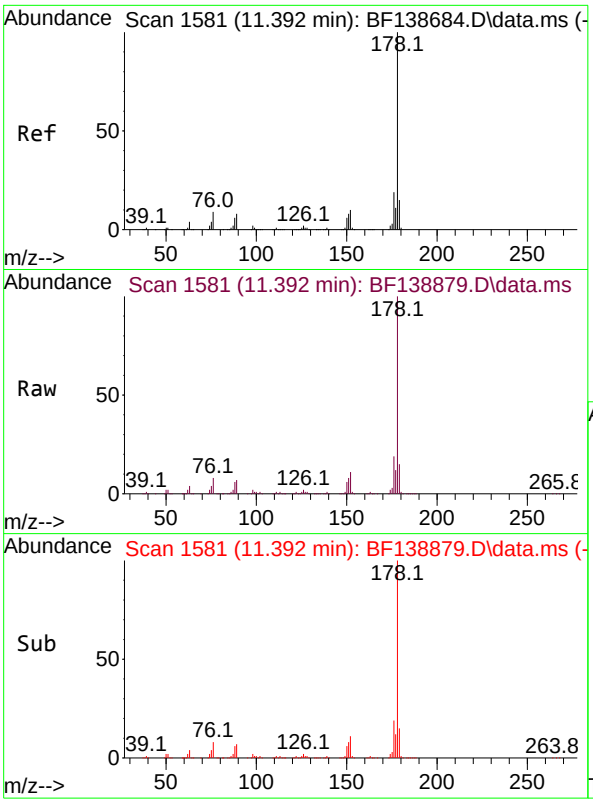


#70
Pentachlorophenol
Concen: 45.355 ng
RT: 11.174 min Scan# 1544
Delta R.T. -0.001 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:266 Resp: 58263

Ion	Ratio	Lower	Upper
266	100		
268	62.9	49.2	73.8
264	63.3	49.8	74.6

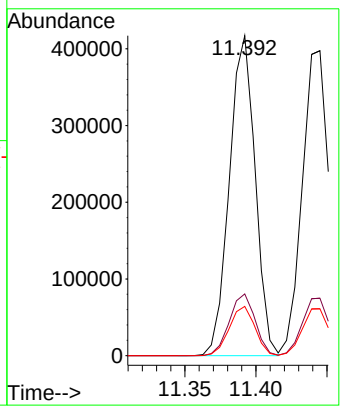




#71
Phenanthrene
Concen: 40.124 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:178 Resp: 52671

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.4	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
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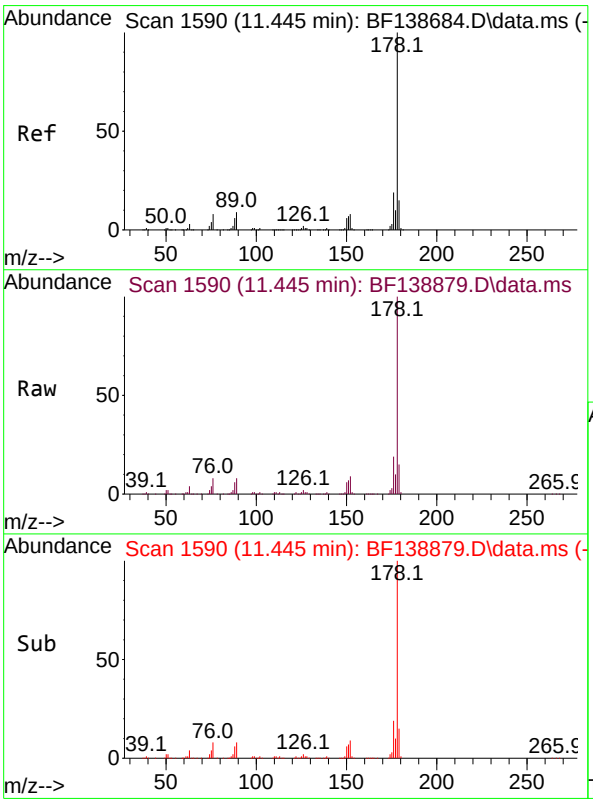
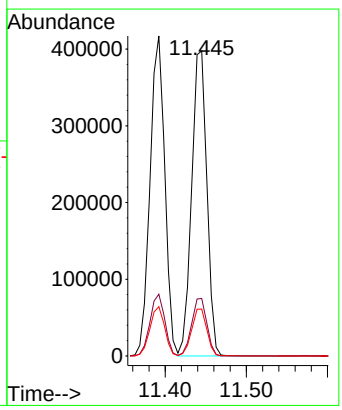
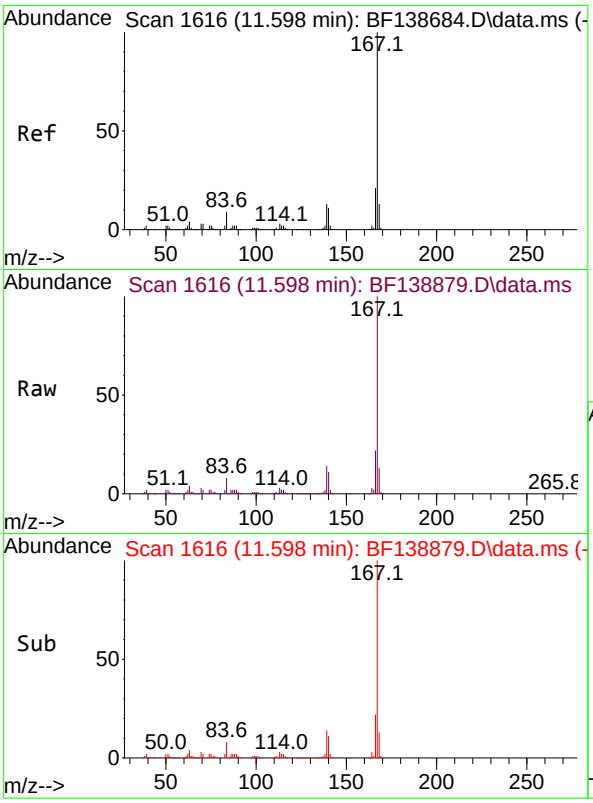


#72
Anthracene
Concen: 40.206 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:178 Resp: 519957

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.4	12.4	18.6

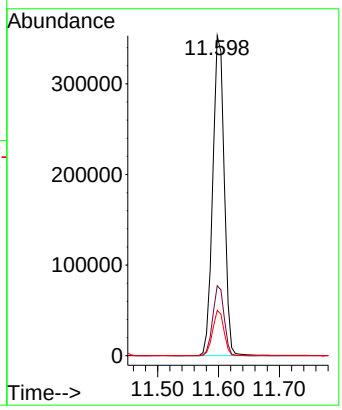




#73
Carbazole
Concen: 41.459 ng
RT: 11.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:167 Resp: 46256

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	14.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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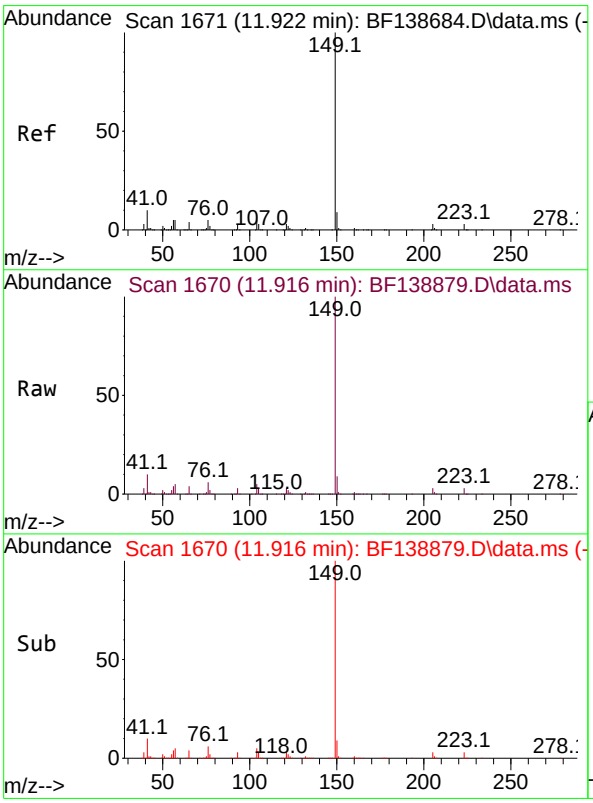
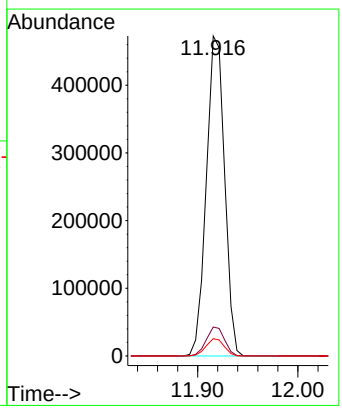
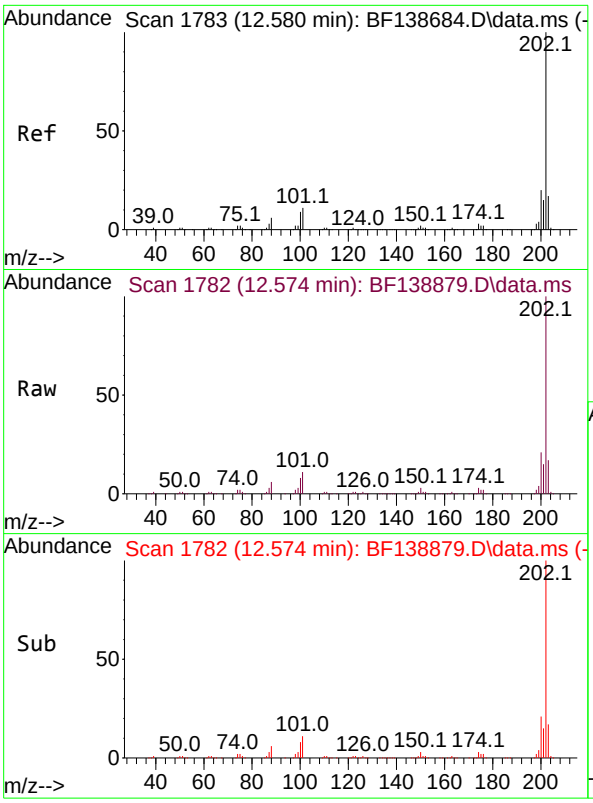


#74
Di-n-butylphthalate
Concen: 47.835 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:149 Resp: 599976

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.4	4.1	6.1

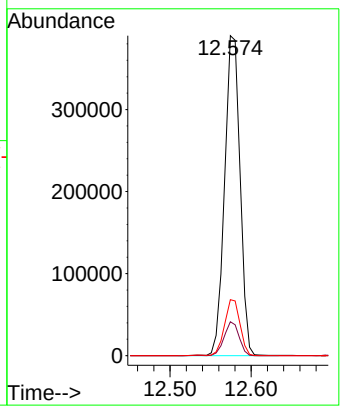




#75
Fluoranthene
Concen: 42.213 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:202 Resp: 51733

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.2
203	17.5	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
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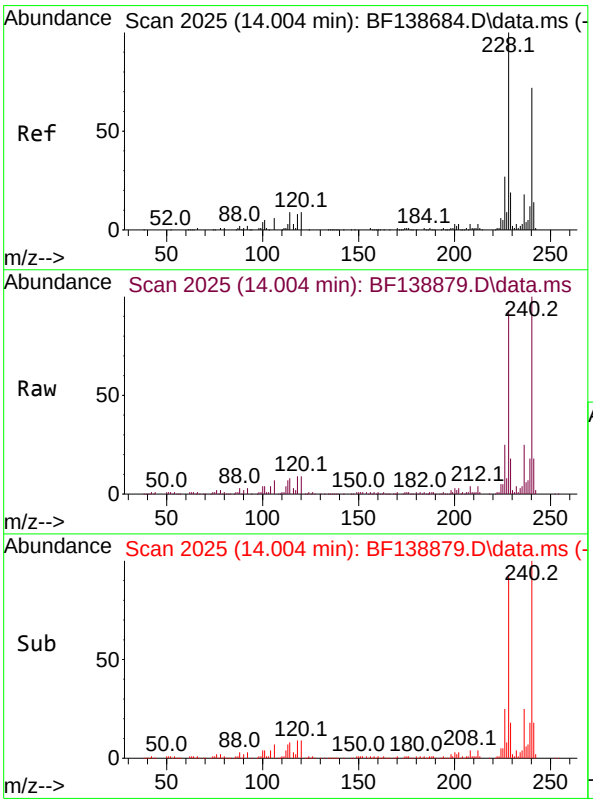
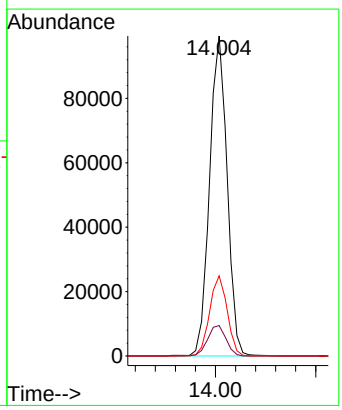
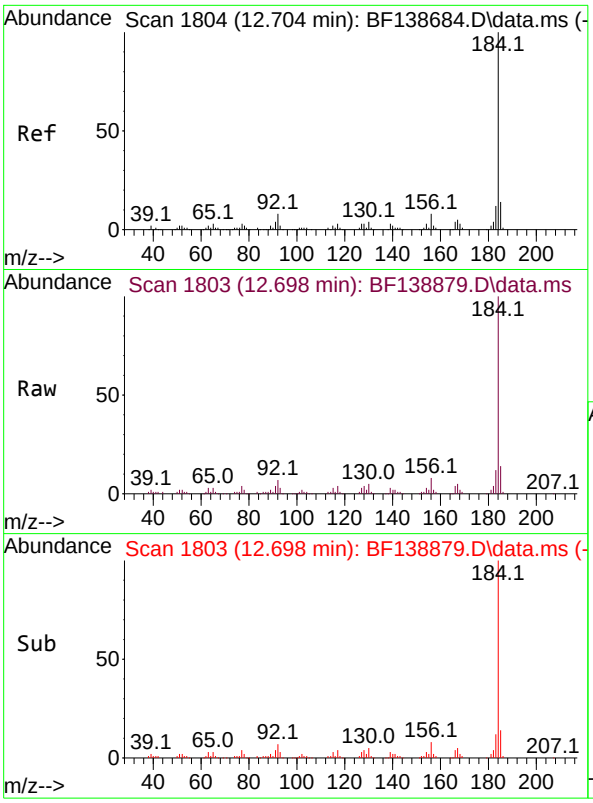


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:240 Resp: 120643

Ion	Ratio	Lower	Upper
240	100		
120	9.5	10.2	15.4#
236	25.1	19.8	29.8

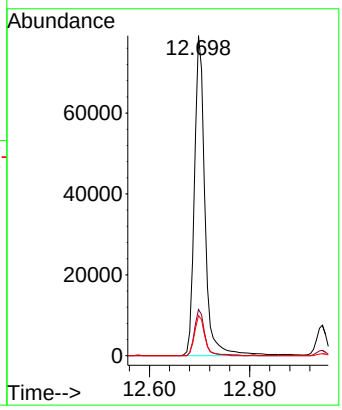




#77
Benzidine
Concen: 39.838 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:184 Resp: 11495

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.1	16.7
183	12.5	9.6	14.4



Instrument :
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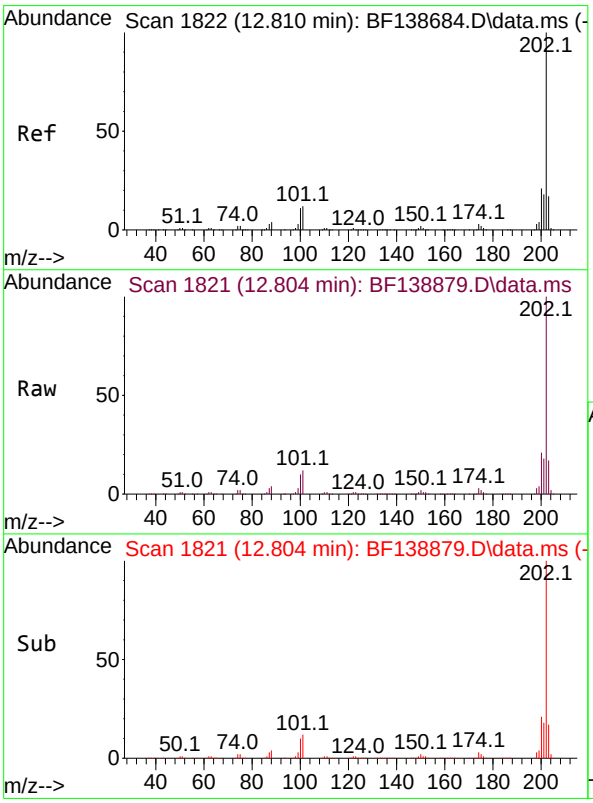
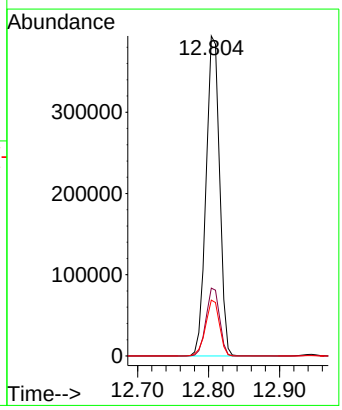
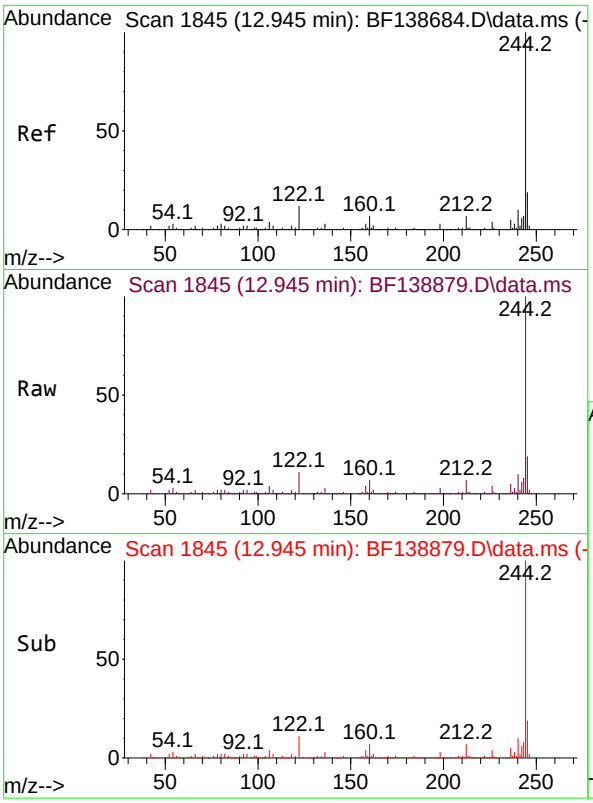


#78
Pyrene
Concen: 45.976 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:202 Resp: 522241

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.5	13.8	20.6

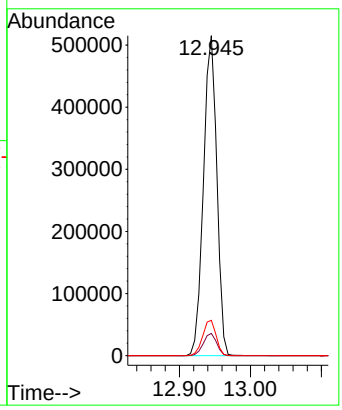




#79
Terphenyl-d14
Concen: 93.624 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:244 Resp: 67463

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.0	9.6	14.4



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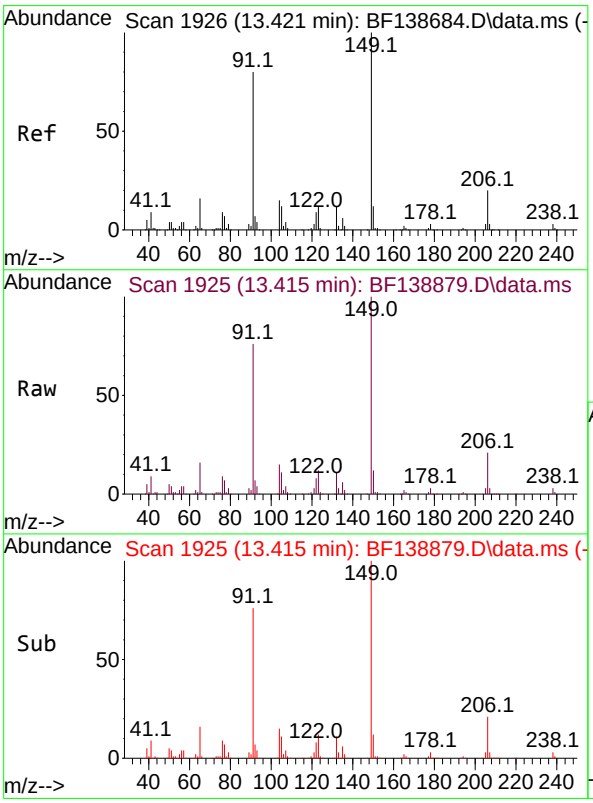
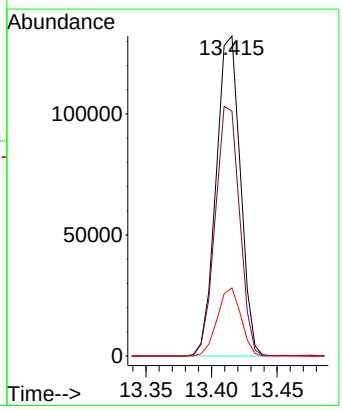
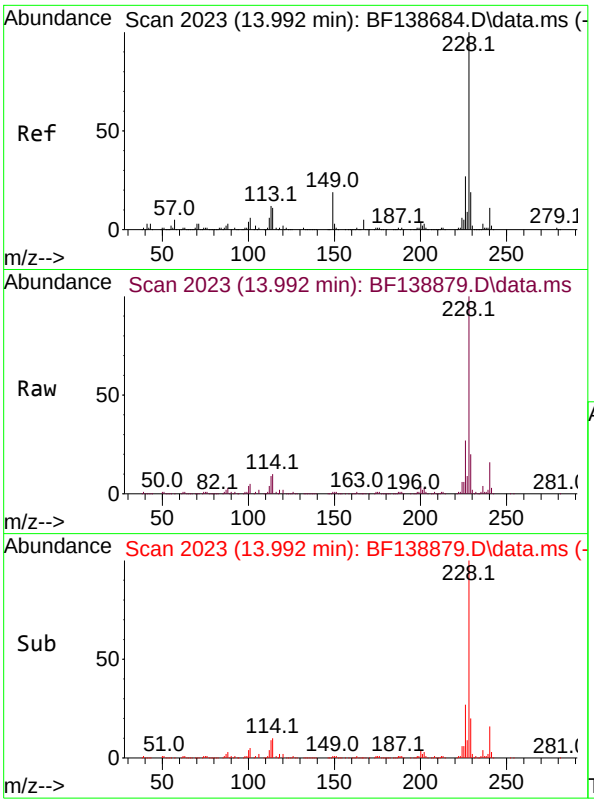


#80
Butylbenzylphthalate
Concen: 46.724 ng
RT: 13.415 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:149 Resp: 169955

Ion	Ratio	Lower	Upper
149	100		
91	76.5	63.7	95.5
206	21.3	16.2	24.2

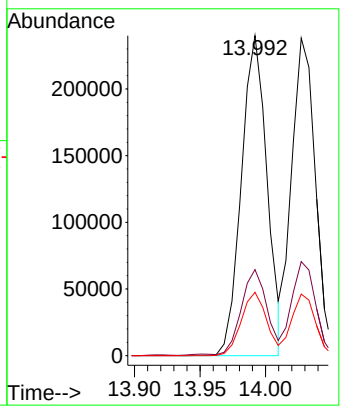




#81
Benzo(a)anthracene
Concen: 39.294 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:228 Resp: 32644

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.8	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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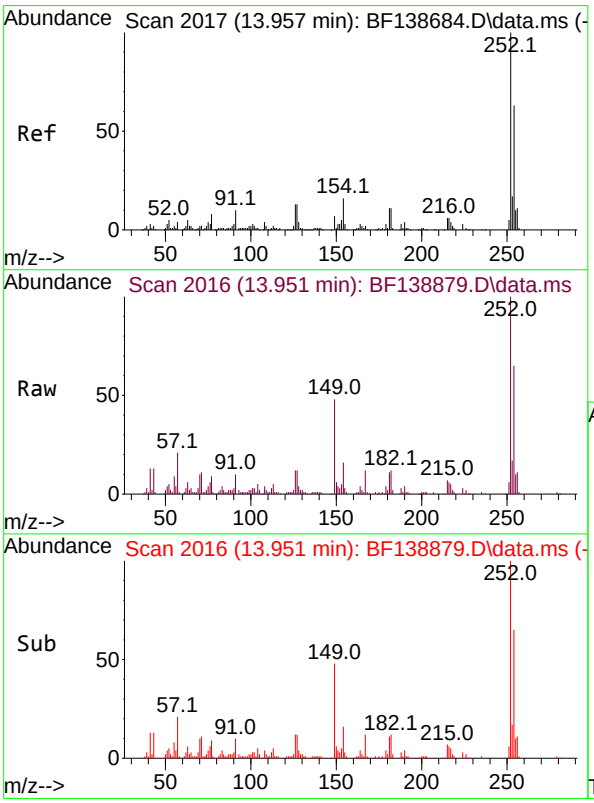
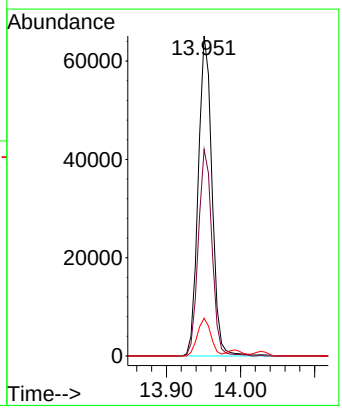
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

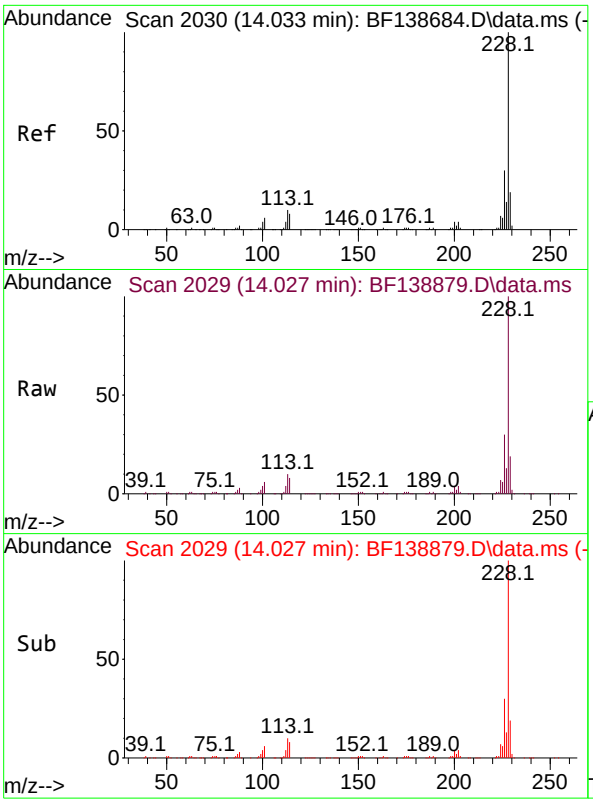


#82
3,3'-Dichlorobenzidine
Concen: 39.408 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:252 Resp: 83780

Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.8	76.2
126	11.8	10.2	15.2

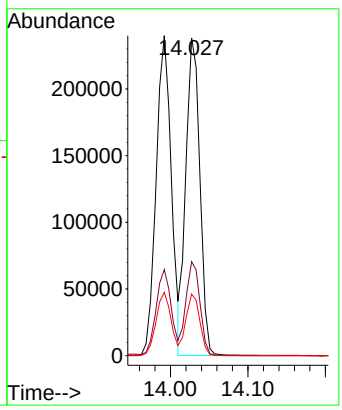




#83
Chrysene
Concen: 39.995 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:228 Resp: 29977

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	19.4	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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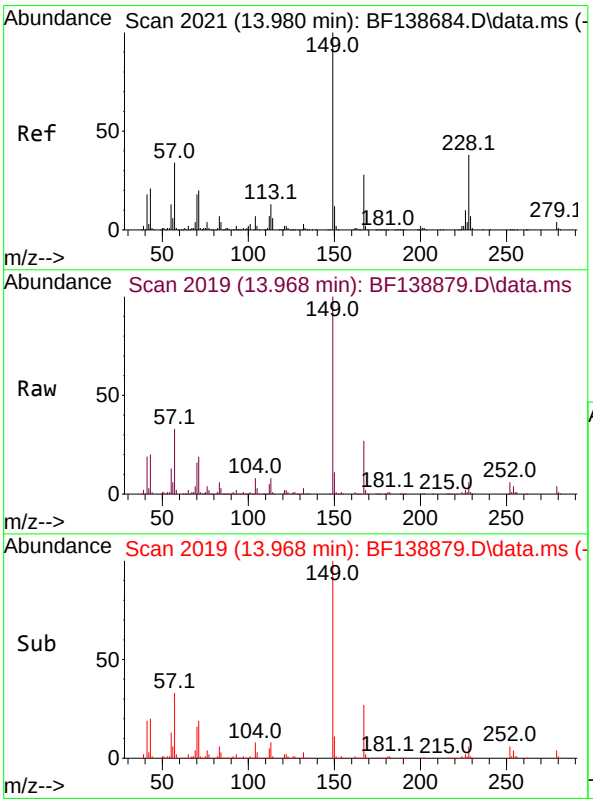
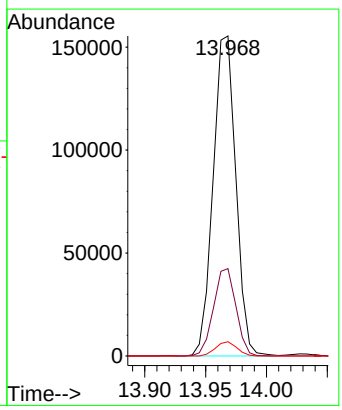
Supervised By :mohammad ahmed 08/12/2024

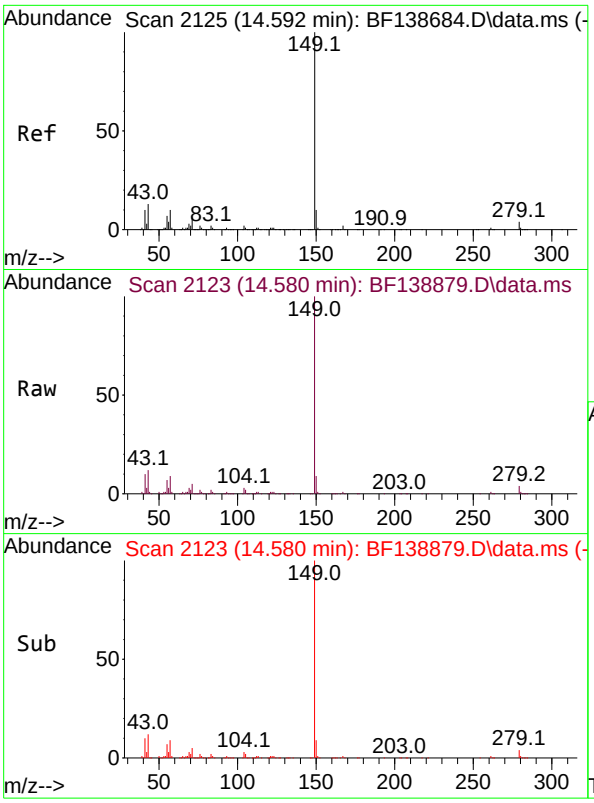


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.893 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:149 Resp: 201833

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.4
279	4.5	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 34.265 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:149 Resp: 33767

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	13.1	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/10/2024
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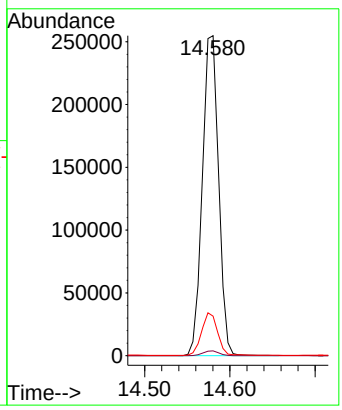
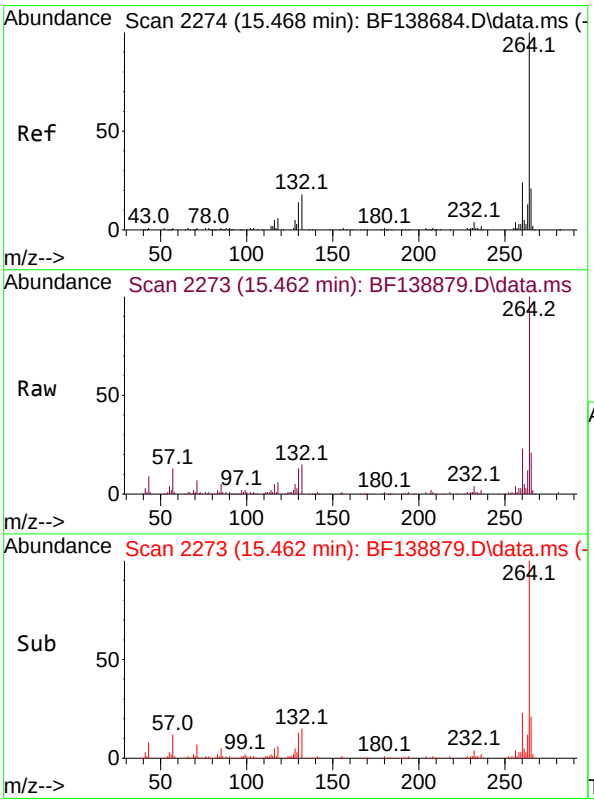
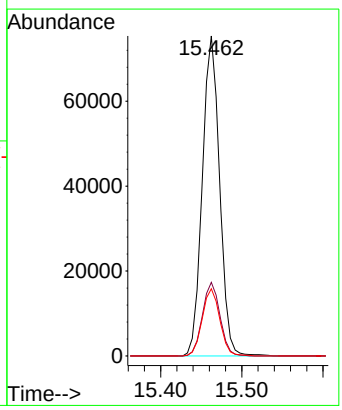


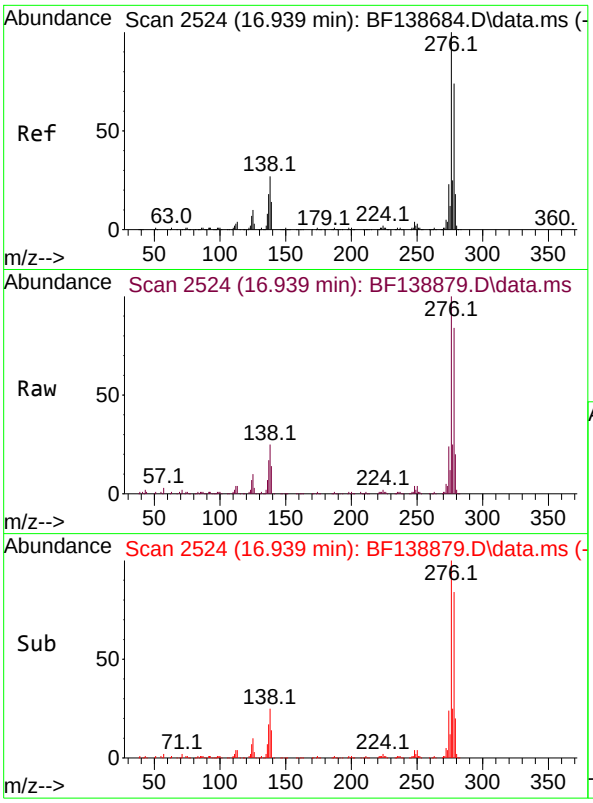


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:264 Resp: 111360

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.0	17.0	25.6

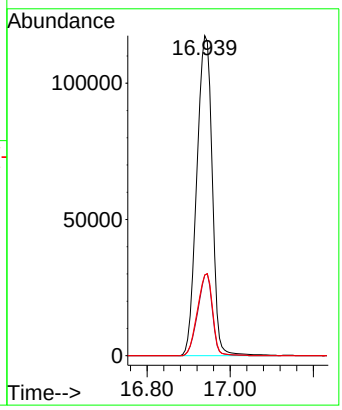




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.875 ng
RT: 16.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

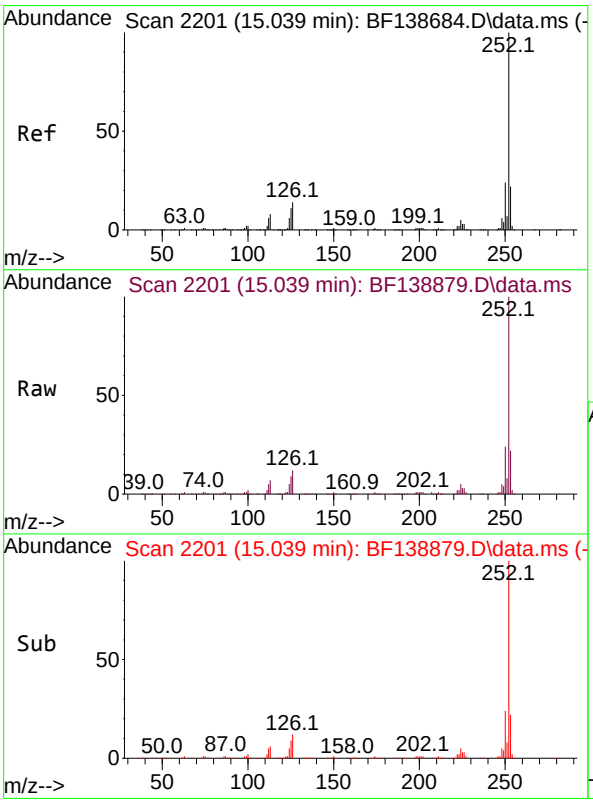
Tgt Ion:276 Resp: 30226

Ion	Ratio	Lower	Upper
276	100		
138	24.1	21.8	32.8
277	25.2	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

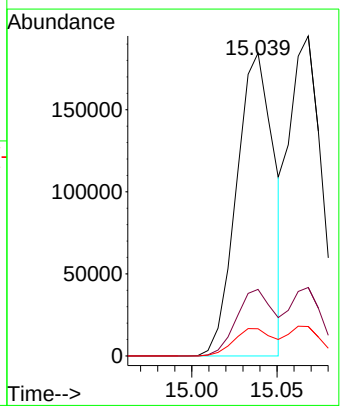
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

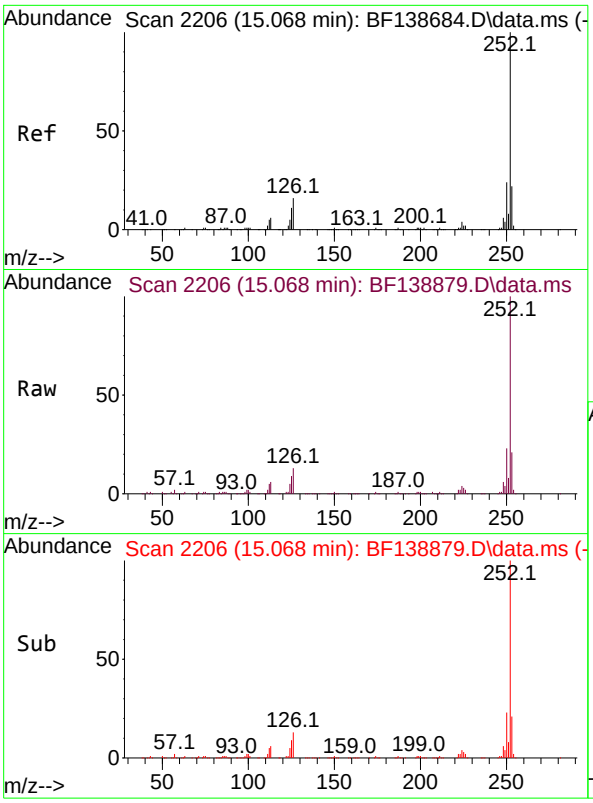


#88
Benzo(b)fluoranthene
Concen: 40.751 ng
RT: 15.039 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:252 Resp: 281311

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.0	8.9	13.3

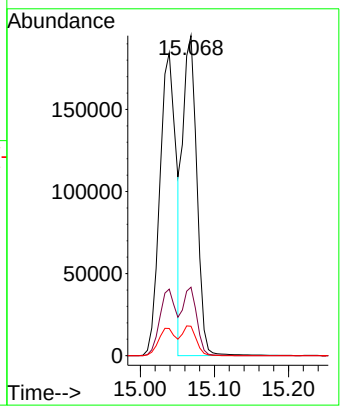




#89
Benzo(k)fluoranthene
Concen: 43.068 ng
RT: 15.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:252 Resp: 25741

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	9.2	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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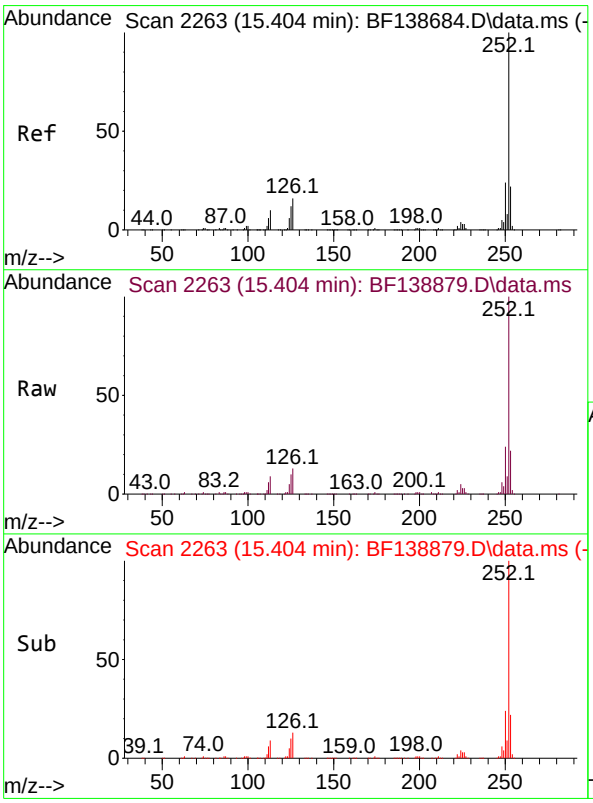
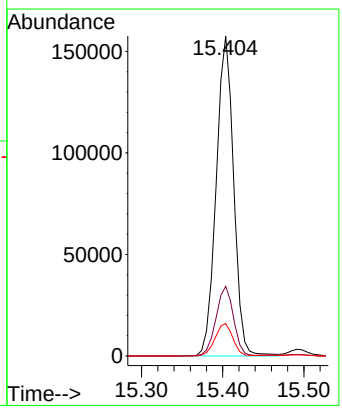
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

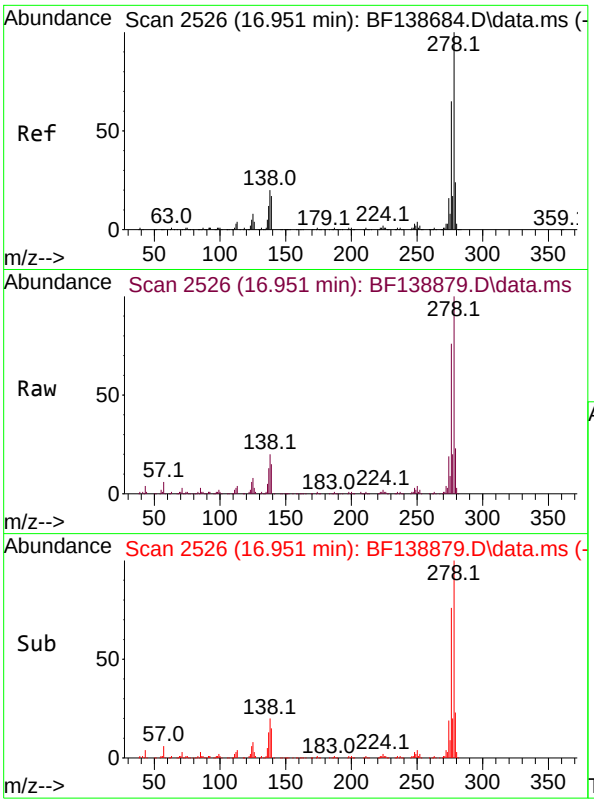


#90
Benzo(a)pyrene
Concen: 40.615 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:252 Resp: 235833

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.1	9.5	14.3

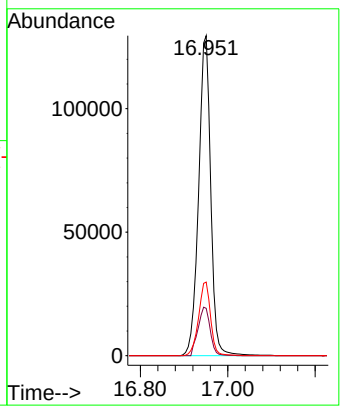




#91
Dibenzo(a,h)anthracene
Concen: 38.071 ng
RT: 16.951 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:278 Resp: 24940

Ion	Ratio	Lower	Upper
278	100		
139	14.8	14.0	21.0
279	23.0	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/10/2024
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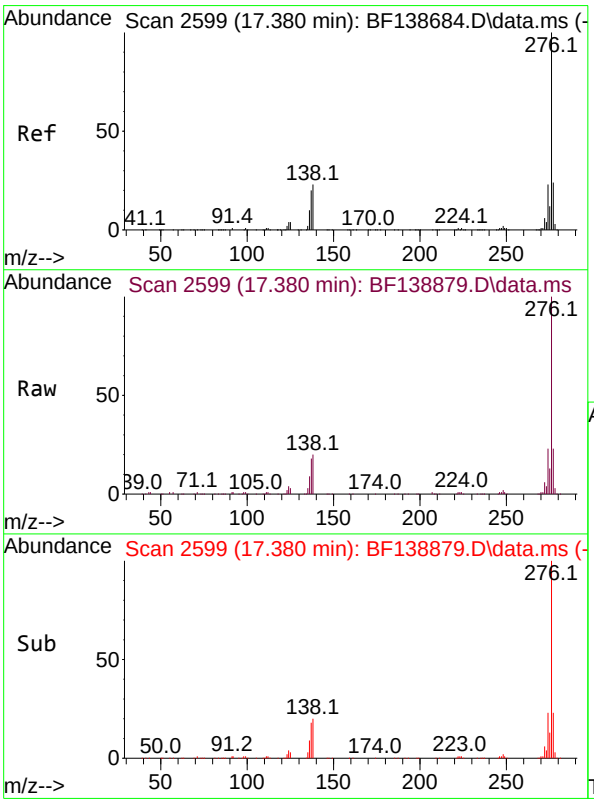
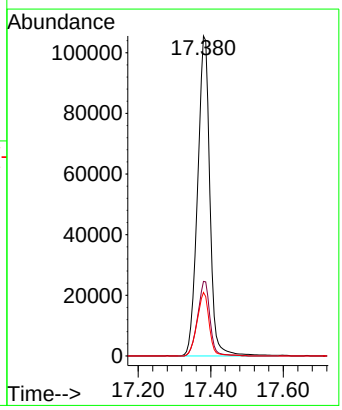


#92
Benzo(g,h,i)perylene
Concen: 36.405 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:276 Resp: 247476

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	19.8	18.5	27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 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	90	0.00
2		1,4-Dioxane	0.567	0.467	17.6	73	0.02
3		Pyridine	1.374	1.192	13.2	78	0.02
4		n-Nitrosodimethylamine	0.818	0.850	-3.9	94	0.05
5	S	2-Fluorophenol	1.296	1.253	3.3	89	0.00
6		Aniline	1.551	1.495	3.6	88	0.00
7	S	Phenol-d6	1.740	1.688	3.0	90	0.00
8		2-Chlorophenol	1.363	1.362	0.1	93	0.00
9		Benzaldehyde	1.043	0.831	20.3	83	0.00
10	C	Phenol	1.832	1.767	3.5	90	0.01
11		bis(2-Chloroethyl)ether	1.409	1.319	6.4	87	0.00
12		1,3-Dichlorobenzene	1.526	1.500	1.7	92	0.00
13	C	1,4-Dichlorobenzene	1.540	1.516	1.6	91	0.00
14		1,2-Dichlorobenzene	1.439	1.466	-1.9	94	0.00
15		Benzyl Alcohol	1.254	1.333	-6.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.133	12.1	82	0.00
17		2-Methylphenol	1.126	1.087	3.5	89	0.00
18		Hexachloroethane	0.580	0.586	-1.0	93	0.00
19	P	n-Nitroso-di-n-propylamine	1.051	1.087	-3.4	99	0.00
20		3+4-Methylphenols	1.444	1.469	-1.7	97	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.490	0.500	-2.0	98	0.00
23	S	Nitrobenzene-d5	0.409	0.415	-1.5	96	0.00
24		Nitrobenzene	0.416	0.419	-0.7	95	0.00
25		Isophorone	0.699	0.689	1.4	95	0.00
26	C	2-Nitrophenol	0.179	0.185	-3.4	95	0.00
27		2,4-Dimethylphenol	0.214	0.210	1.9	93	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.413	2.8	93	0.00
29	C	2,4-Dichlorophenol	0.275	0.284	-3.3	97	0.00
30		1,2,4-Trichlorobenzene	0.318	0.318	0.0	95	0.00
31		Naphthalene	1.053	1.044	0.9	94	0.00
32		Benzoic acid	0.168	0.149	11.3	85	0.04
33		4-Chloroaniline	0.353	0.328	7.1	89	0.00
34	C	Hexachlorobutadiene	0.192	0.201	-4.7	100	0.00
35		Caprolactam	0.082	0.086	-4.9	104	0.03
36	C	4-Chloro-3-methylphenol	0.315	0.330	-4.8	102	0.01
37		2-Methylnaphthalene	0.665	0.685	-3.0	100	0.00
38		1-Methylnaphthalene	0.652	0.663	-1.7	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.556	0.558	-0.4	104	0.00
41	P	Hexachlorocyclopentadiene	0.120	0.169	-40.8#	137	0.00
42	S	2,4,6-Tribromophenol	0.164	0.175	-6.7	113	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.331	2.4	101	0.00
44		2,4,5-Trichlorophenol	0.370	0.367	0.8	103	0.00
45	S	2-Fluorobiphenyl	1.331	1.366	-2.6	108	0.00
46		1,1'-Biphenyl	1.566	1.528	2.4	102	0.00
47		2-Chloronaphthalene	1.165	1.138	2.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 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	0.398	-0.8	105	0.00
49		Acenaphthylene	1.652	1.623	1.8	102	0.00
50		Dimethylphthalate	1.279	1.314	-2.7	110	0.00
51		2,6-Dinitrotoluene	0.289	0.297	-2.8	106	0.00
52	C	Acenaphthene	1.111	1.081	2.7	103	0.00
53		3-Nitroaniline	0.298	0.297	0.3	106	0.00
54	P	2,4-Dinitrophenol	0.133	0.150	-12.8	121	0.00
55		Dibenzofuran	1.568	1.578	-0.6	107	0.00
56	P	4-Nitrophenol	0.179	0.191	-6.7	112	0.02
57		2,4-Dinitrotoluene	0.368	0.397	-7.9	113	0.01
58		Fluorene	1.249	1.298	-3.9	111	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.290	-2.5	109	0.00
60		Diethylphthalate	1.213	1.332	-9.8	118	0.00
61		4-Chlorophenyl-phenylether	0.614	0.641	-4.4	112	0.00
62		4-Nitroaniline	0.284	0.291	-2.5	110	0.01
63		Azobenzene	1.345	1.364	-1.4	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	0.122	0.127	-4.1	114	0.01
66	c	n-Nitrosodiphenylamine	0.625	0.630	-0.8	112	0.00
67		4-Bromophenyl-phenylether	0.217	0.218	-0.5	113	0.00
68		Hexachlorobenzene	0.224	0.225	-0.4	115	0.00
69		Atrazine	0.161	0.156	3.1	108	0.00
70	C	Pentachlorophenol	0.101	0.114	-12.9	125	0.00
71		Phenanthrene	1.030	1.033	-0.3	113	0.00
72		Anthracene	1.015	1.020	-0.5	114	0.00
73		Carbazole	0.875	0.907	-3.7	117	0.00
74		Di-n-butylphthalate	0.984	1.177	-19.6	133	0.00
75	C	Fluoranthene	0.961	1.015	-5.6	118	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	96	0.00
77		Benzidine	0.478	0.476	0.4	85	0.00
78		Pyrene	1.883	2.164	-14.9	119	0.00
79	S	Terphenyl-d14	1.195	1.398	-17.0	121	0.00
80		Butylbenzylphthalate	0.603	0.704	-16.7	108	0.00
81		Benzo(a)anthracene	1.377	1.353	1.7	93	0.00
82		3,3'-Dichlorobenzidine	0.352	0.347	1.4	92	0.00
83		Chrysene	1.243	1.242	0.1	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.836	5.3	85	-0.01
85	c	Di-n-octyl phthalate	1.634	1.399	14.4	77	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	73	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.357	5.3	72	0.00
88		Benzo(b)fluoranthene	1.240	1.263	-1.9	76	0.00
89		Benzo(k)fluoranthene	1.073	1.156	-7.7	85	0.00
90	C	Benzo(a)pyrene	1.043	1.059	-1.5	76	0.00
91		Dibenzo(a,h)anthracene	1.177	1.120	4.8	73	0.00
92		Benzo(g,h,i)perylene	1.221	1.111	9.0	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 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	90	0.00
2		1,4-Dioxane	40.000	32.959	17.6	73	0.02
3		Pyridine	40.000	34.698	13.3	78	0.02
4		n-Nitrosodimethylamine	40.000	41.529	-3.8	94	0.05
5	S	2-Fluorophenol	80.000	77.341	3.3	89	0.00
6		Aniline	40.000	38.553	3.6	88	0.00
7	S	Phenol-d6	80.000	77.642	2.9	90	0.00
8		2-Chlorophenol	40.000	39.975	0.1	93	0.00
9		Benzaldehyde	40.000	31.868	20.3	83	0.00
10	C	Phenol	40.000	38.591	3.5	90	0.01
11		bis(2-Chloroethyl)ether	40.000	37.428	6.4	87	0.00
12		1,3-Dichlorobenzene	40.000	39.328	1.7	92	0.00
13	C	1,4-Dichlorobenzene	40.000	39.385	1.5	91	0.00
14		1,2-Dichlorobenzene	40.000	40.758	-1.9	94	0.00
15		Benzyl Alcohol	40.000	42.513	-6.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.181	12.0	82	0.00
17		2-Methylphenol	40.000	38.644	3.4	89	0.00
18		Hexachloroethane	40.000	40.424	-1.1	93	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.371	-3.4	99	0.00
20		3+4-Methylphenols	40.000	40.691	-1.7	97	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	40.881	-2.2	98	0.00
23	S	Nitrobenzene-d5	80.000	81.125	-1.4	96	0.00
24		Nitrobenzene	40.000	40.226	-0.6	95	0.00
25		Isophorone	40.000	39.454	1.4	95	0.00
26	C	2-Nitrophenol	40.000	41.211	-3.0	95	0.00
27		2,4-Dimethylphenol	40.000	39.127	2.2	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.796	3.0	93	0.00
29	C	2,4-Dichlorophenol	40.000	41.240	-3.1	97	0.00
30		1,2,4-Trichlorobenzene	40.000	40.076	-0.2	95	0.00
31		Naphthalene	40.000	39.667	0.8	94	0.00
32		Benzoic acid	40.000	35.363	11.6	85	0.04
33		4-Chloroaniline	40.000	37.080	7.3	89	0.00
34	C	Hexachlorobutadiene	40.000	41.748	-4.4	100	0.00
35		Caprolactam	40.000	42.020	-5.1	104	0.03
36	C	4-Chloro-3-methylphenol	40.000	41.980	-4.9	102	0.01
37		2-Methylnaphthalene	40.000	41.211	-3.0	100	0.00
38		1-Methylnaphthalene	40.000	40.707	-1.8	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.151	-0.4	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.979	-22.4	137	0.00
42	S	2,4,6-Tribromophenol	80.000	85.652	-7.1	113	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.044	2.4	101	0.00
44		2,4,5-Trichlorophenol	40.000	39.672	0.8	103	0.00
45	S	2-Fluorobiphenyl	80.000	82.084	-2.6	108	0.00
46		1,1'-Biphenyl	40.000	39.023	2.4	102	0.00
47		2-Chloronaphthalene	40.000	39.064	2.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 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	40.306	-0.8	105	0.00
49		Acenaphthylene	40.000	39.295	1.8	102	0.00
50		Dimethylphthalate	40.000	41.104	-2.8	110	0.00
51		2,6-Dinitrotoluene	40.000	41.164	-2.9	106	0.00
52	C	Acenaphthene	40.000	38.933	2.7	103	0.00
53		3-Nitroaniline	40.000	39.833	0.4	106	0.00
54	P	2,4-Dinitrophenol	40.000	45.240	-13.1	121	0.00
55		Dibenzofuran	40.000	40.270	-0.7	107	0.00
56	P	4-Nitrophenol	40.000	42.666	-6.7	112	0.02
57		2,4-Dinitrotoluene	40.000	43.181	-8.0	113	0.01
58		Fluorene	40.000	41.585	-4.0	111	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.037	-2.6	109	0.00
60		Diethylphthalate	40.000	43.927	-9.8	118	0.00
61		4-Chlorophenyl-phenylether	40.000	41.737	-4.3	112	0.00
62		4-Nitroaniline	40.000	41.114	-2.8	110	0.01
63		Azobenzene	40.000	40.571	-1.4	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.494	-3.7	114	0.01
66	c	n-Nitrosodiphenylamine	40.000	40.327	-0.8	112	0.00
67		4-Bromophenyl-phenylether	40.000	40.221	-0.6	113	0.00
68		Hexachlorobenzene	40.000	40.333	-0.8	115	0.00
69		Atrazine	40.000	38.753	3.1	108	0.00
70	C	Pentachlorophenol	40.000	45.355	-13.4	125	0.00
71		Phenanthrene	40.000	40.124	-0.3	113	0.00
72		Anthracene	40.000	40.206	-0.5	114	0.00
73		Carbazole	40.000	41.459	-3.6	117	0.00
74		Di-n-butylphthalate	40.000	47.835	-19.6	133	0.00
75	C	Fluoranthene	40.000	42.213	-5.5	118	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	96	0.00
77		Benzidine	40.000	39.838	0.4	85	0.00
78		Pyrene	40.000	45.976	-14.9	119	0.00
79	S	Terphenyl-d14	80.000	93.624	-17.0	121	0.00
80		Butylbenzylphthalate	40.000	46.724	-16.8	108	0.00
81		Benzo(a)anthracene	40.000	39.294	1.8	93	0.00
82		3,3'-Dichlorobenzidine	40.000	39.408	1.5	92	0.00
83		Chrysene	40.000	39.995	0.0	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.893	5.3	85	-0.01
85	c	Di-n-octyl phthalate	40.000	34.265	14.3	77	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	73	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.875	5.3	72	0.00
88		Benzo(b)fluoranthene	40.000	40.751	-1.9	76	0.00
89		Benzo(k)fluoranthene	40.000	43.068	-7.7	85	0.00
90	C	Benzo(a)pyrene	40.000	40.615	-1.5	76	0.00
91		Dibenzo(a,h)anthracene	40.000	38.071	4.8	73	0.00
92		Benzo(g,h,i)perylene	40.000	36.405	9.0	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 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.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/10/2024 10:41

Lab File ID: BF138901.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
Pyridine	1.374	1.245		-9.4	
2-Fluorophenol	1.296	1.267		-2.2	
Benzaldehyde	1.043	0.916		-12.2	
Phenol-d6	1.740	1.736		-0.2	
2-Methylphenol	1.126	1.130		0.4	
3+4-Methylphenols	1.444	1.532		6.1	
Nitrobenzene-d5	0.409	0.425		3.9	
Hexachloroethane	0.580	0.601		3.6	
Nitrobenzene	0.416	0.425		2.2	
Naphthalene	1.053	1.059		0.6	
Hexachlorobutadiene	0.192	0.208		8.3	20.0
2-Methylnaphthalene	0.665	0.691		3.9	
2,4,6-Trichlorophenol	0.339	0.337		-0.6	20.0
2-Fluorobiphenyl	1.331	1.376		3.4	
2,4,5-Trichlorophenol	0.370	0.377		1.9	
Acenaphthylene	1.652	1.642		-0.6	
Acenaphthene	1.111	1.104		-0.6	20.0
Dibenzofuran	1.568	1.590		1.4	
2,4-Dinitrotoluene	0.368	0.405		10.1	
Fluorene	1.249	1.309		4.8	
2,4,6-Tribromophenol	0.164	0.177		7.9	
Hexachlorobenzene	0.224	0.229		2.2	
Pentachlorophenol	0.101	0.121		19.8	20.0
Phenanthrene	1.030	1.051		2.0	
Anthracene	1.015	1.029		1.4	
Carbazole	0.875	0.883		0.9	
Di-n-butylphthalate	0.984	1.131		14.9	
Fluoranthene	0.961	0.969		0.8	20.0
Pyrene	1.883	2.088		10.9	
Terphenyl-d14	1.195	1.360		13.8	
Benzo(a)anthracene	1.377	1.402		1.8	
Chrysene	1.243	1.236		-0.6	
Bis(2-ethylhexyl)phthalate	0.883	0.871		-1.4	
Benzo(b)fluoranthene	1.240	1.227		-1.0	
Benzo(k)fluoranthene	1.073	1.114		3.8	
Benzo(a)pyrene	1.043	1.061		1.7	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.363		-4.9	
Dibenzo(a,h)anthracene	1.177	1.113		-5.4	
Benzo(g,h,i)perylene	1.221	1.134		-7.1	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/10/2024 10:41

Lab File ID: BF138901.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
1,4-Dioxane	0.567	0.483		-14.8	20.0
1-Methylnaphthalene	0.652	0.672		3.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 01:11:36 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 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	63234	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	258541	20.000	ng		0.00
39) Acenaphthene-d10	9.880	164	146261	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	247933	20.000	ng		0.00
76) Chrysene-d12	14.004	240	115525	20.000	ng		0.00
86) Perylene-d12	15.468	264	117822	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	320465	78.231	ng		0.00
7) Phenol-d6	6.492	99	439099	79.839	ng		0.00
23) Nitrobenzene-d5	7.416	82	439920	83.191	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	103699	86.555	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	804889	82.684	ng		0.00
79) Terphenyl-d14	12.945	244	628672	91.112	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.599	88	61103	34.071	ng		97
3) Pyridine	3.357	79	157484	36.250	ng		97
4) n-Nitrosodimethylamine	3.334	42	112433	43.453	ng		83
6) Aniline	6.510	93	194296	39.613	ng	#	41
8) 2-Chlorophenol	6.639	128	175639	40.753	ng		96
9) Benzaldehyde	6.398	77	115786	35.120	ng		99
10) Phenol	6.510	94	230139	39.743	ng		79
11) bis(2-Chloroethyl)ether	6.587	93	167809	37.658	ng		99
12) 1,3-Dichlorobenzene	6.787	146	192215	39.842	ng		98
13) 1,4-Dichlorobenzene	6.863	146	196478	40.356	ng		100
14) 1,2-Dichlorobenzene	7.016	146	188564	41.442	ng		98
15) Benzyl Alcohol	6.992	79	171483	43.260	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	276455	36.049	ng	#	50
17) 2-Methylphenol	7.110	107	142935	40.163	ng	#	91
18) Hexachloroethane	7.351	117	76031	41.486	ng		98
19) n-Nitroso-di-n-propyla...	7.263	70	140425	42.274	ng		99
20) 3+4-Methylphenols	7.263	107	193788	42.440	ng		93
22) Acetophenone	7.257	105	264253	41.744	ng	#	98
24) Nitrobenzene	7.434	77	219665	40.822	ng		99
25) Isophorone	7.675	82	363094	40.211	ng		99
26) 2-Nitrophenol	7.745	139	95229	41.134	ng		92
27) 2,4-Dimethylphenol	7.786	122	111520	40.261	ng		98
28) bis(2-Chloroethoxy)met...	7.875	93	215348	39.163	ng		99
29) 2,4-Dichlorophenol	7.992	162	148177	41.631	ng		99
30) 1,2,4-Trichlorobenzene	8.069	180	169785	41.335	ng		97
31) Naphthalene	8.151	128	547469	40.229	ng		100
32) Benzoic acid	7.951	122	73794	33.892	ng		88
33) 4-Chloroaniline	8.204	127	168871	36.967	ng		98
34) Hexachlorobutadiene	8.257	225	107615	43.255	ng		100
35) Caprolactam	8.598	113	45469m	42.813	ng		
36) 4-Chloro-3-methylphenol	8.692	107	174210	42.827	ng		98
37) 2-Methylnaphthalene	8.839	142	357386	41.582	ng		99
38) 1-Methylnaphthalene	8.939	142	347514	41.263	ng		99
40) 1,2,4,5-Tetrachloroben...	9.004	216	166654	41.018	ng		98
41) Hexachlorocyclopentadiene	8.986	237	47919	47.645	ng		99
43) 2,4,6-Trichlorophenol	9.122	196	98461	39.746	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 01:11:36 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 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	110160	40.677	ng		98
46) 1,1'-Biphenyl	9.304	154	456093	39.816	ng		99
47) 2-Chloronaphthalene	9.328	162	341460	40.080	ng		100
48) 2-Nitroaniline	9.433	65	119216	41.277	ng		97
49) Acenaphthylene	9.745	152	480233	39.744	ng		99
50) Dimethylphthalate	9.604	163	396316	42.377	ng		100
51) 2,6-Dinitrotoluene	9.675	165	90405	42.834	ng		90
52) Acenaphthene	9.916	154	323021	39.769	ng		100
53) 3-Nitroaniline	9.845	138	87074	39.908	ng		94
54) 2,4-Dinitrophenol	9.963	184	44762	46.071	ng		87
55) Dibenzofuran	10.086	168	465060	40.561	ng		98
56) 4-Nitrophenol	10.028	139	56447	43.021	ng		93
57) 2,4-Dinitrotoluene	10.080	165	118576	44.035	ng	#	83
58) Fluorene	10.427	166	383007	41.948	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	85030	41.069	ng		96
60) Diethylphthalate	10.304	149	392422	44.254	ng		100
61) 4-Chlorophenyl-phenyle...	10.416	204	192635	42.898	ng		95
62) 4-Nitroaniline	10.469	138	86663	41.796	ng		90
63) Azobenzene	10.580	77	398845	40.554	ng		97
65) 4,6-Dinitro-2-methylph...	10.498	198	63626	42.064	ng		98
66) n-Nitrosodiphenylamine	10.545	169	315882	40.760	ng		99
67) 4-Bromophenyl-phenylether	10.910	248	111751	41.631	ng		98
68) Hexachlorobenzene	10.975	284	113668	41.012	ng		97
69) Atrazine	11.069	200	73548	36.784	ng		98
70) Pentachlorophenol	11.180	266	60194	48.183	ng		98
71) Phenanthrene	11.392	178	521085	40.816	ng		100
72) Anthracene	11.445	178	510139	40.562	ng		100
73) Carbazole	11.604	167	437899	40.357	ng		99
74) Di-n-butylphthalate	11.922	149	560651	45.963	ng		99
75) Fluoranthene	12.580	202	480391	40.307	ng		99
77) Benzidine	12.704	184	119714	43.325	ng		99
78) Pyrene	12.810	202	482435	44.353	ng		100
80) Butylbenzylphthalate	13.416	149	154344	44.312	ng		99
81) Benzo(a)anthracene	13.998	228	323951	40.721	ng		99
82) 3,3'-Dichlorobenzidine	13.957	252	86086	42.286	ng		99
83) Chrysene	14.033	228	285552	39.786	ng		100
84) Bis(2-ethylhexyl)phtha...	13.968	149	201163	39.440	ng		98
85) Di-n-octyl phthalate	14.580	149	351563	37.255	ng		100
87) Indeno(1,2,3-cd)pyrene	16.956	276	321131	38.033	ng		96
88) Benzo(b)fluoranthene	15.045	252	289097	39.582	ng		98
89) Benzo(k)fluoranthene	15.074	252	262435	41.500	ng		98
90) Benzo(a)pyrene	15.410	252	250070	40.704	ng		99
91) Dibenzo(a,h)anthracene	16.962	278	262197	37.829	ng		98
92) Benzo(g,h,i)perylene	17.398	276	267113	37.138	ng		96

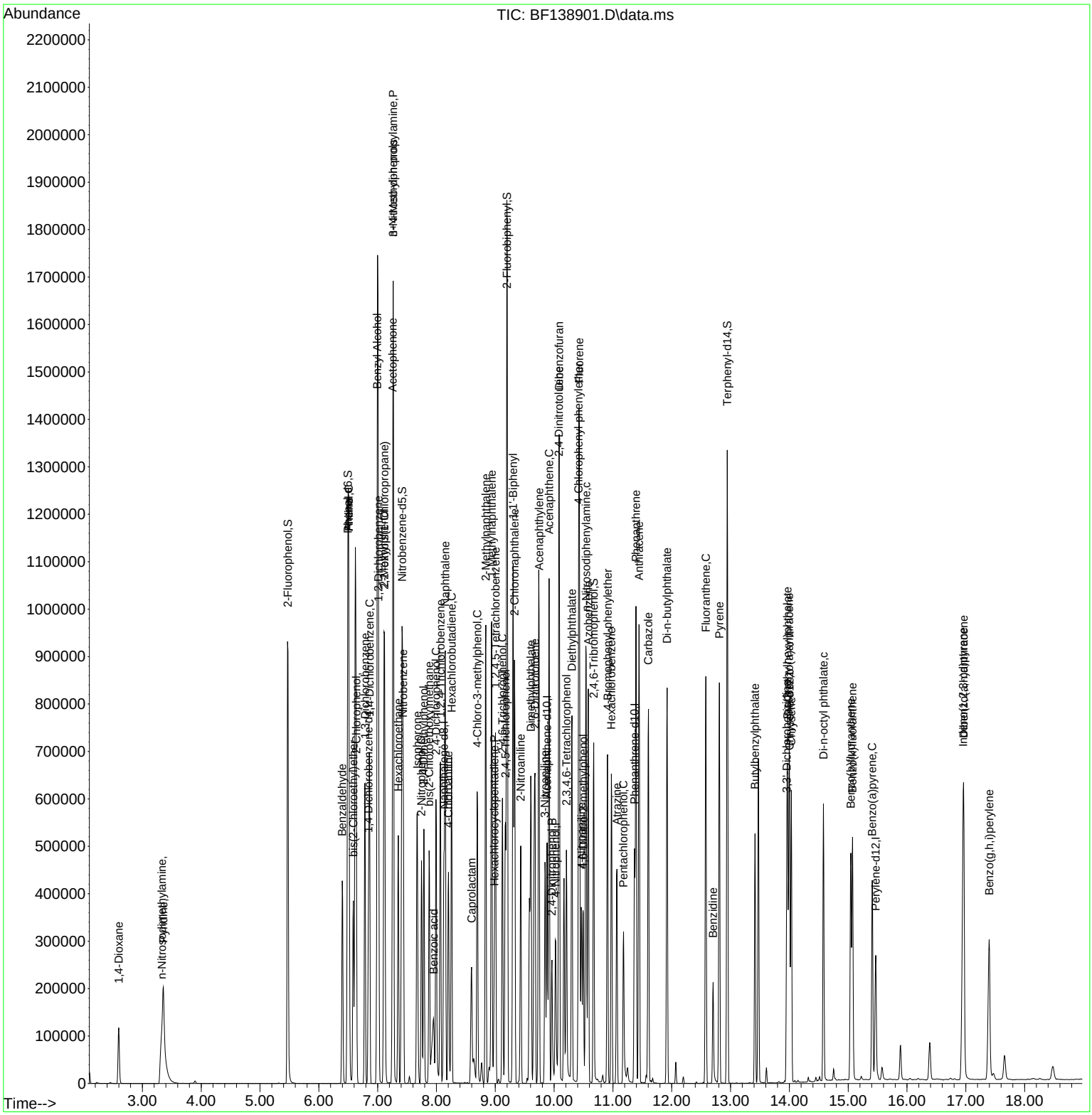
(#) = qualifier out of range (m) = manual integration (+) = signals summed

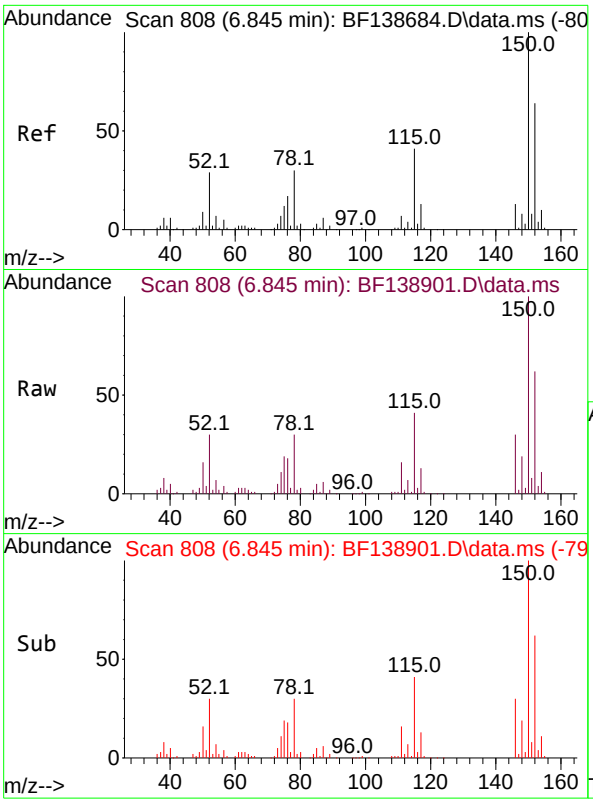
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 01:11:36 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 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

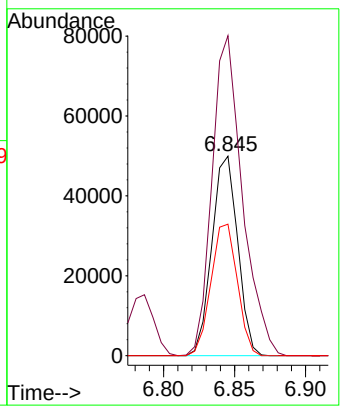




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:152 Resp: 6323

Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.0	189.0
115	65.9	51.7	77.5



Instrument :
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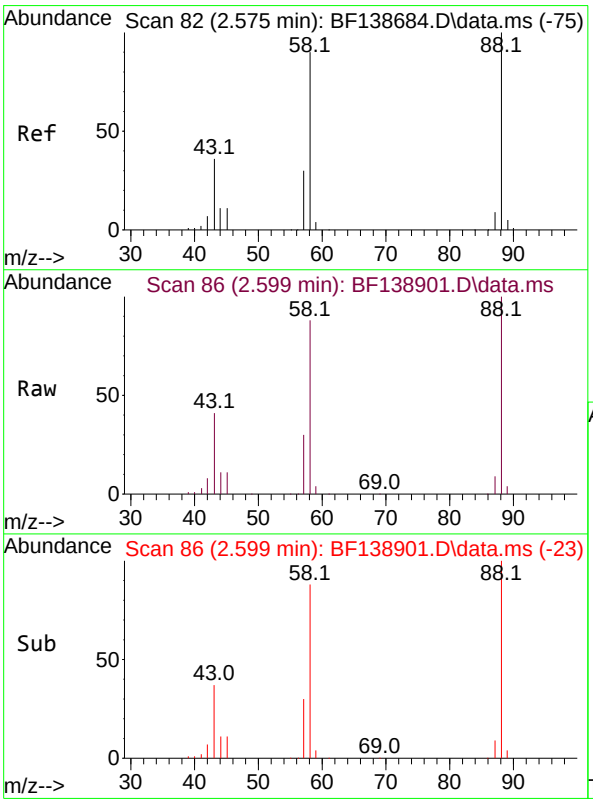
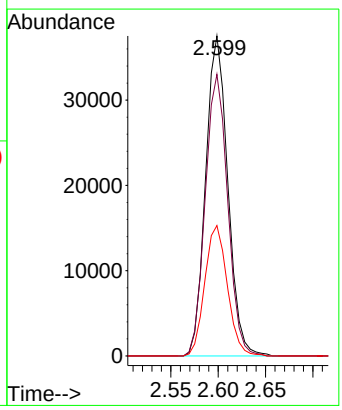
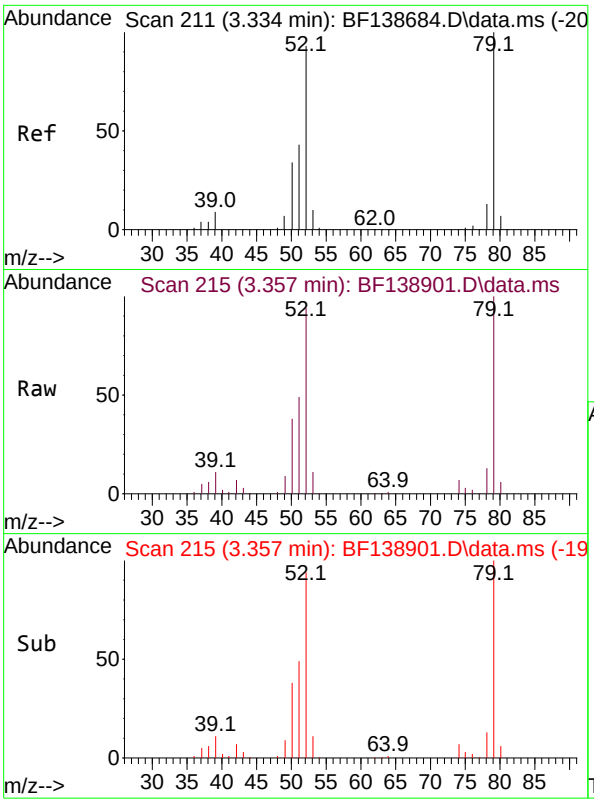


#2
1,4-Dioxane
Concen: 34.071 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.023 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 88 Resp: 61103

Ion	Ratio	Lower	Upper
88	100		
58	89.1	71.6	107.4
43	41.5	28.7	43.1

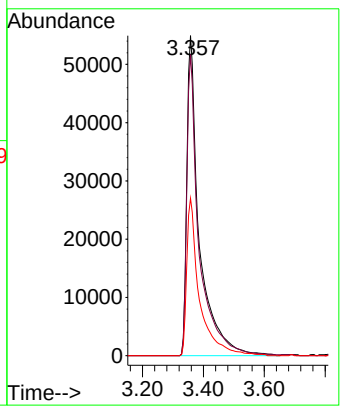




#3
Pyridine
Concen: 36.250 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 79 Resp: 15748

Ion	Ratio	Lower	Upper
79	100		
52	94.0	74.7	112.1
51	49.2	34.6	51.8



Instrument :
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ClientSampleId :
SSTDCCC040

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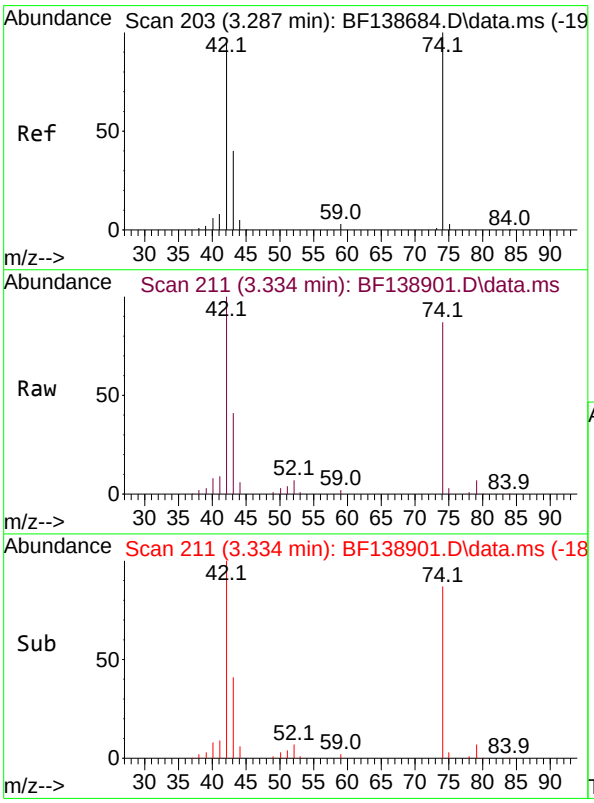
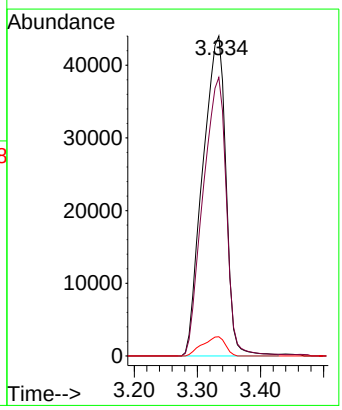
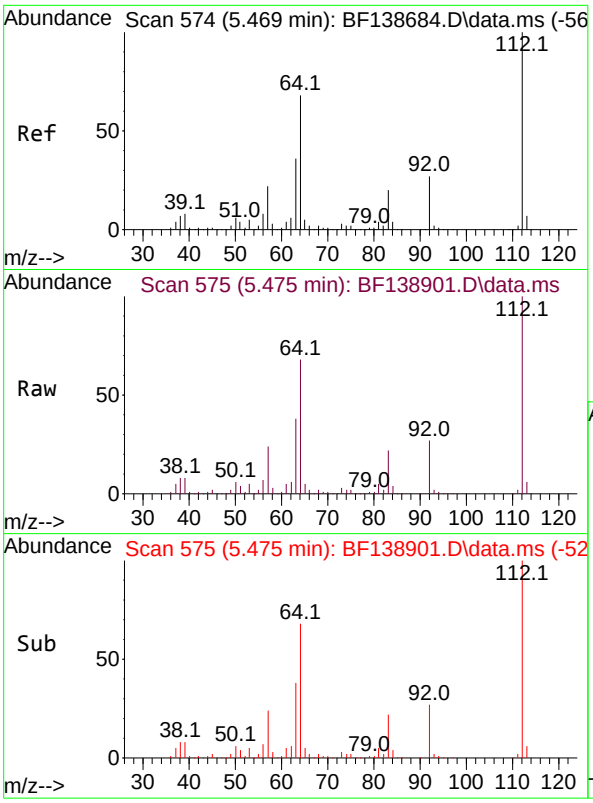


#4
n-Nitrosodimethylamine
Concen: 43.453 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 42 Resp: 112433

Ion	Ratio	Lower	Upper
42	100		
74	87.0	84.2	126.4
44	6.0	4.9	7.3

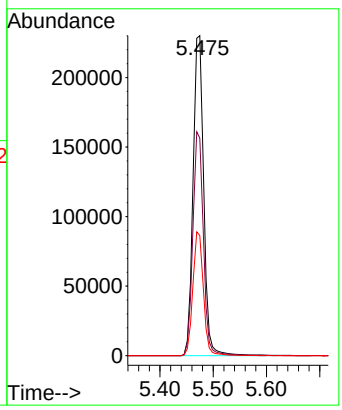




#5
2-Fluorophenol
Concen: 78.231 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:112 Resp: 32046

Ion	Ratio	Lower	Upper
112	100		
64	68.0	54.2	81.4
63	37.5	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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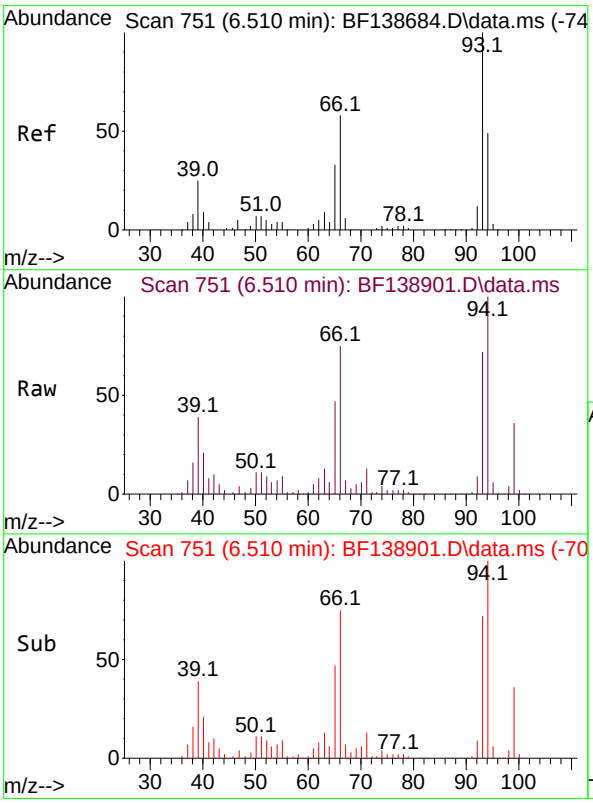
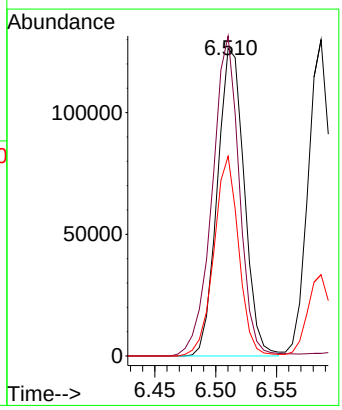
Supervised By :mohammad ahmed 08/13/2024

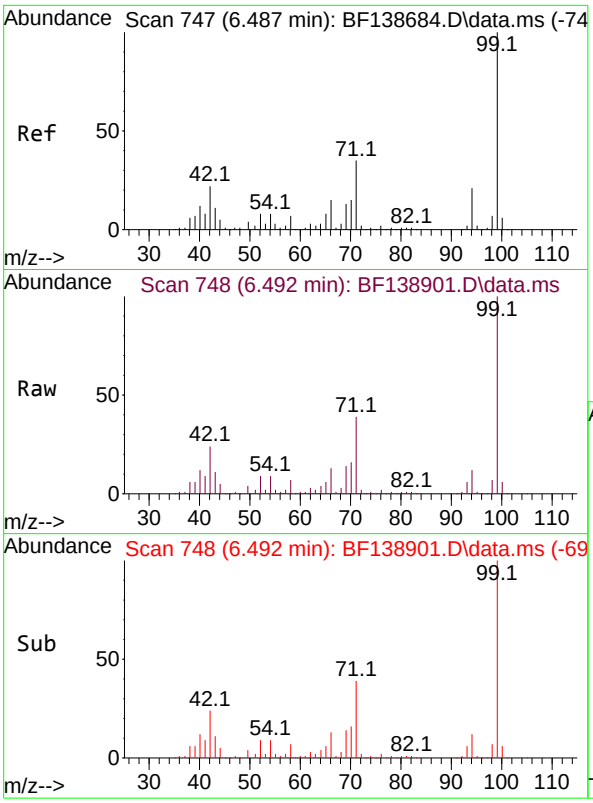


#6
Aniline
Concen: 39.613 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 93 Resp: 194296

Ion	Ratio	Lower	Upper
93	100		
66	104.0	46.9	70.3#
65	64.9	26.5	39.7#

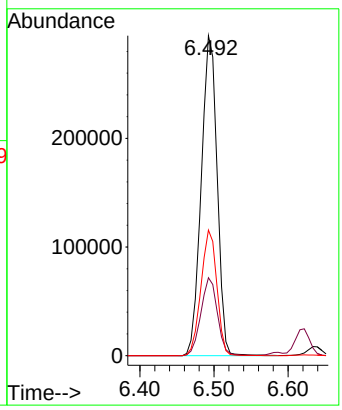




#7
Phenol-d6
Concen: 79.839 ng
RT: 6.492 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 99 Resp: 43909

Ion	Ratio	Lower	Upper
99	100		
42	24.3	17.4	26.0
71	39.3	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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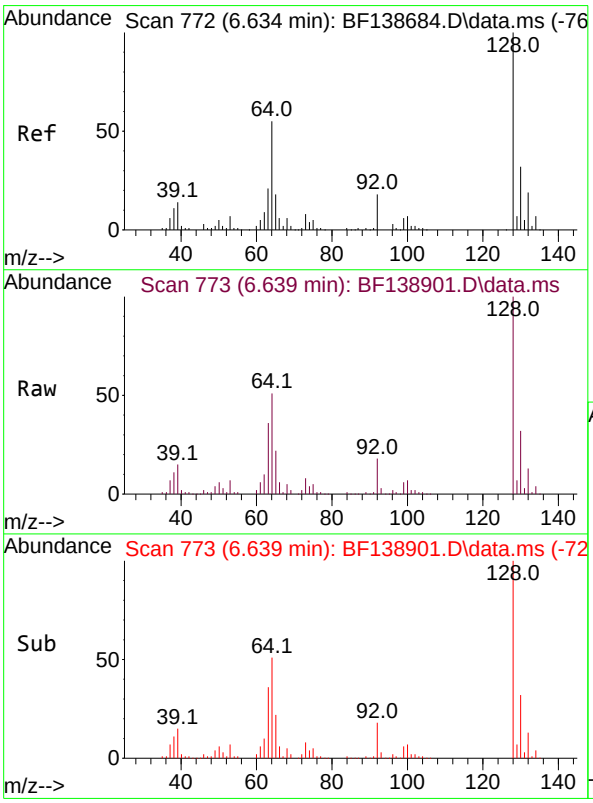
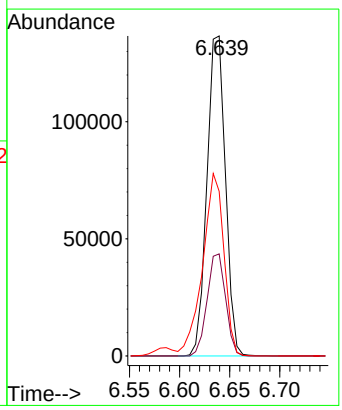
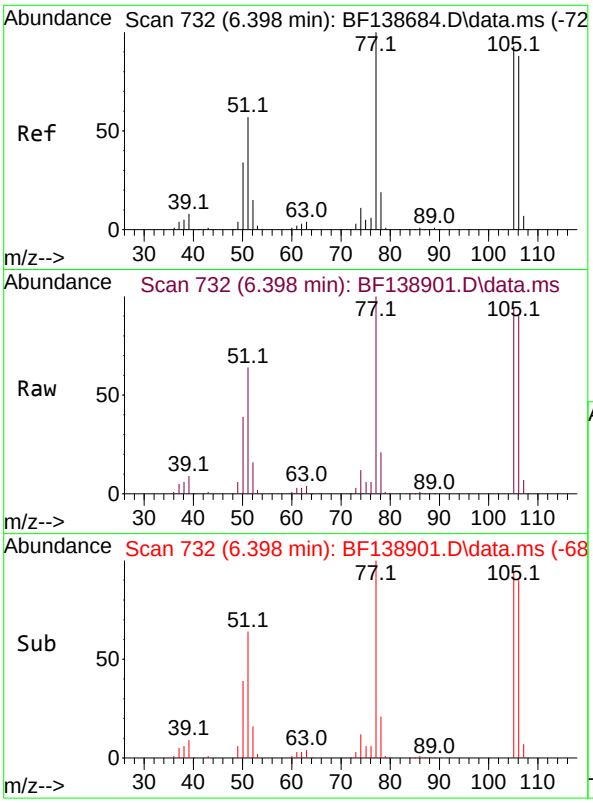


#8
2-Chlorophenol
Concen: 40.753 ng
RT: 6.639 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:128 Resp: 175639

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	51.4	36.3	76.3

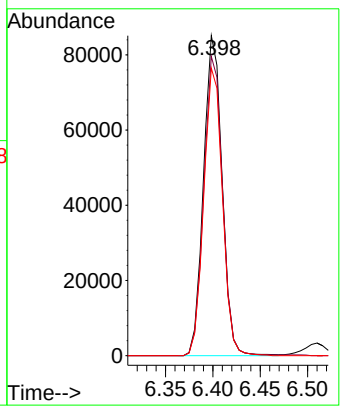




#9
Benzaldehyde
Concen: 35.120 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 77 Resp: 11578

Ion	Ratio	Lower	Upper
77	100		
105	93.5	72.9	112.9
106	89.9	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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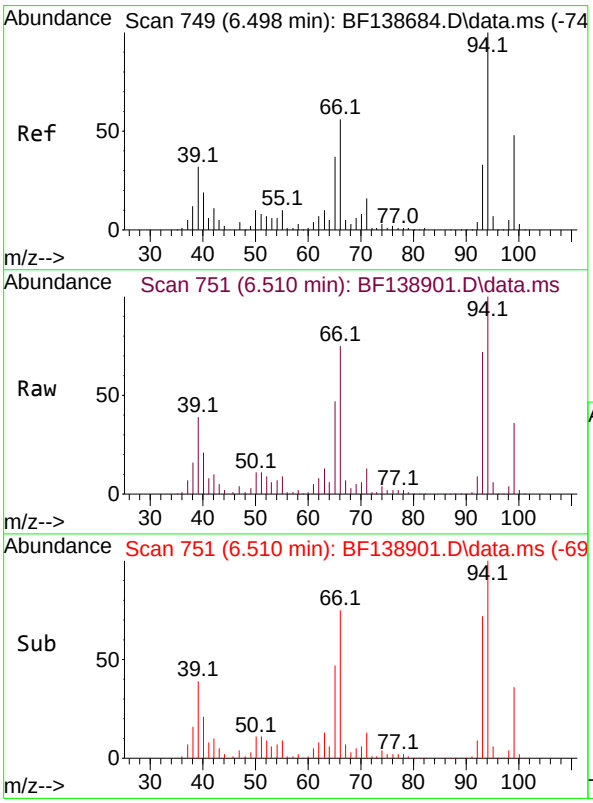
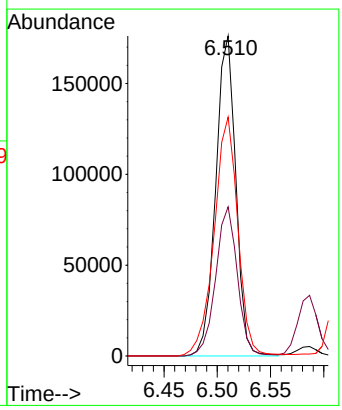
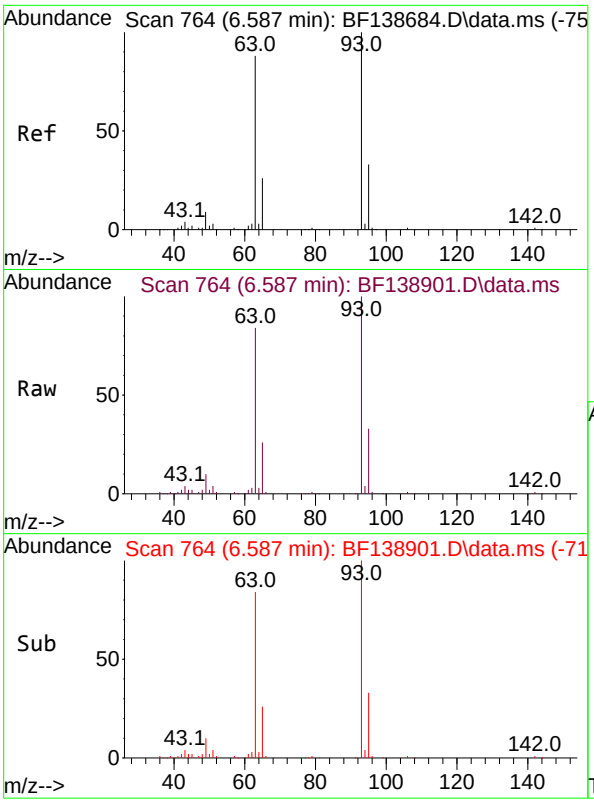


#10
Phenol
Concen: 39.743 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 94 Resp: 230139

Ion	Ratio	Lower	Upper
94	100		
65	46.6	16.9	56.9
66	74.6	36.5	76.5

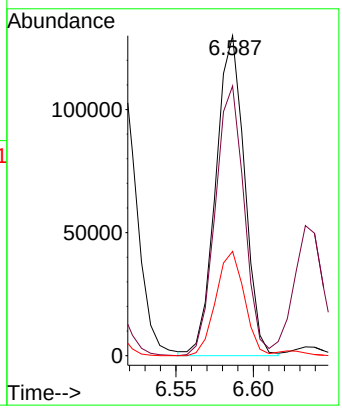




#11
bis(2-Chloroethyl)ether
Concen: 37.658 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 93 Resp: 16780

Ion	Ratio	Lower	Upper
93	100		
63	84.3	65.3	105.3
95	32.6	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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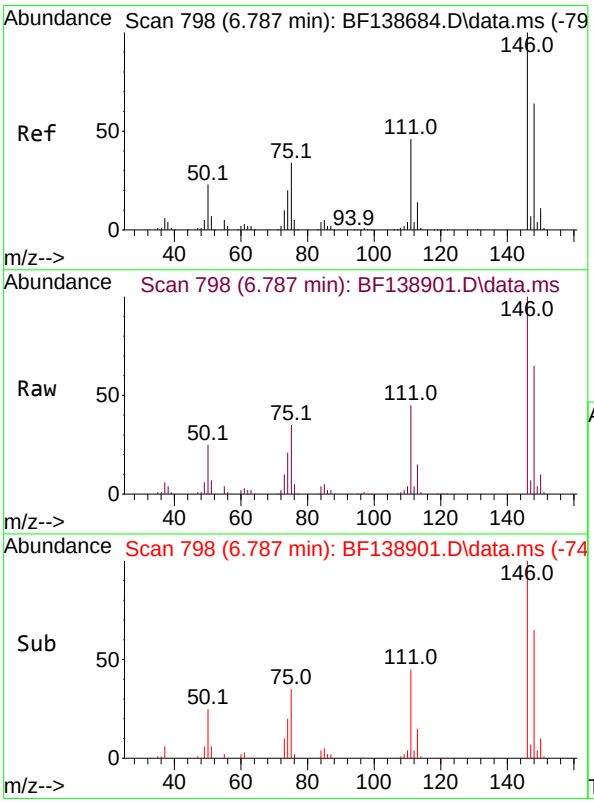
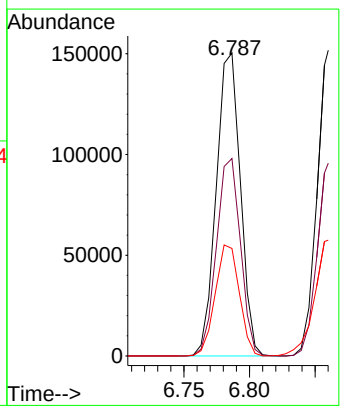
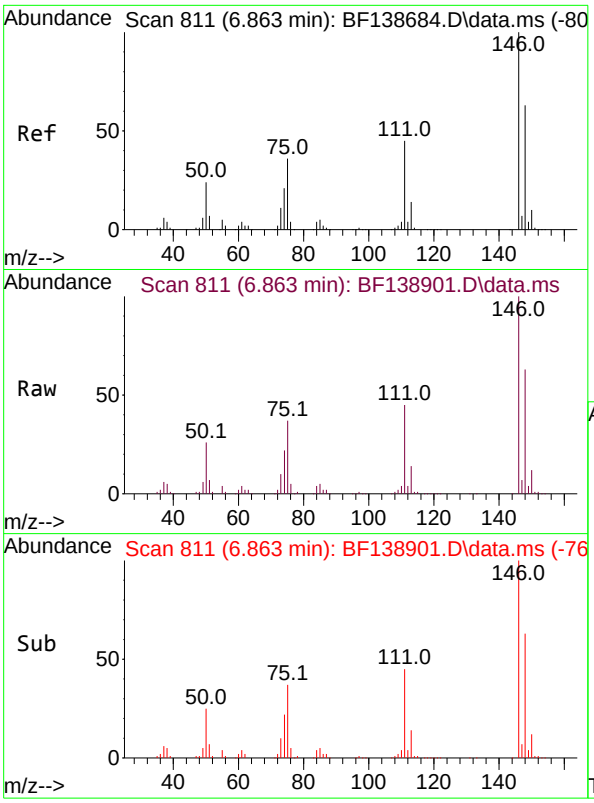


#12
1,3-Dichlorobenzene
Concen: 39.842 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:146 Resp: 192215

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.2	76.8
75	35.5	27.4	41.2

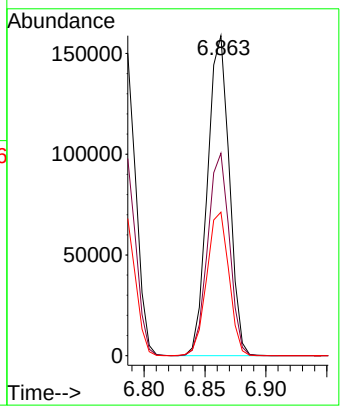




#13
1,4-Dichlorobenzene
Concen: 40.356 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:146 Resp: 19647

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.2	75.2
111	44.9	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
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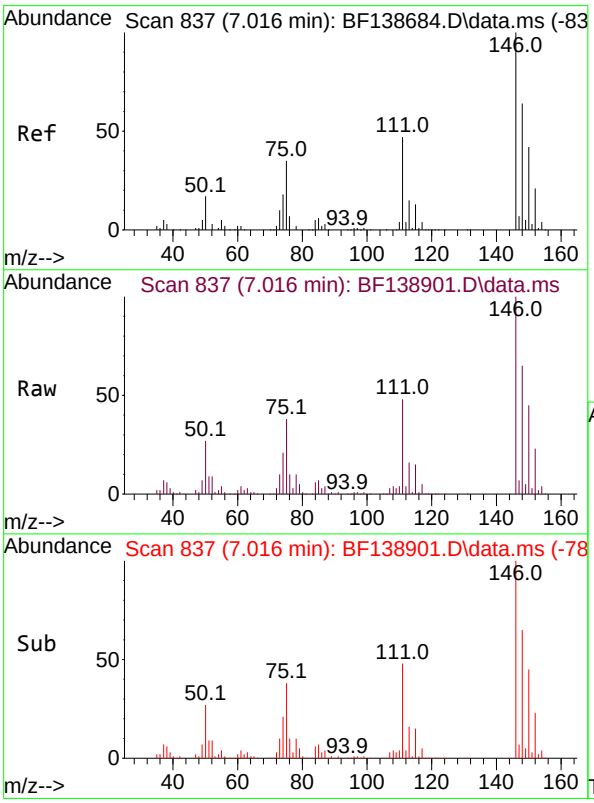
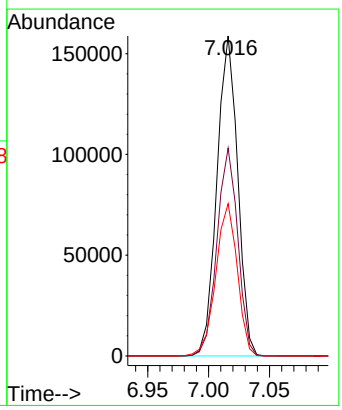
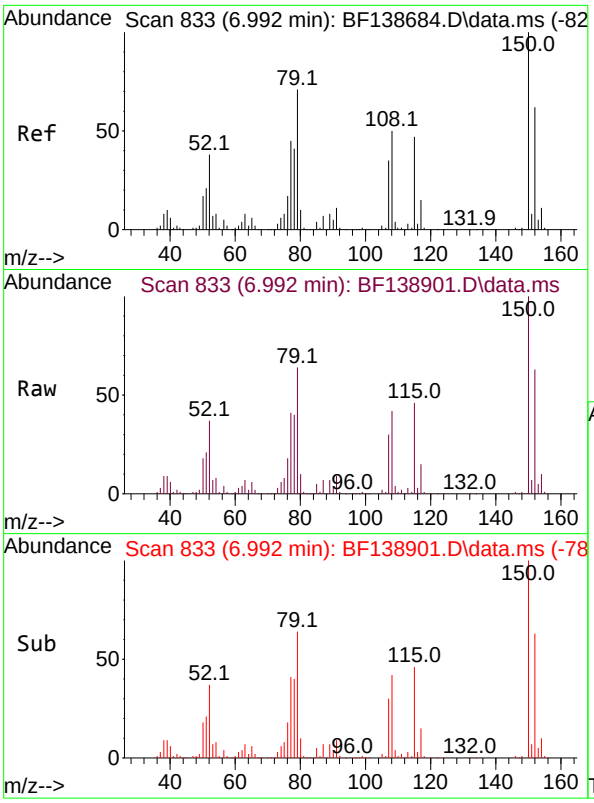


#14
1,2-Dichlorobenzene
Concen: 41.442 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:146 Resp: 188564

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.8	76.2
111	47.6	37.4	56.2





#15
Benzyl Alcohol
Concen: 43.260 ng
RT: 6.992 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 79 Resp: 17148

Ion	Ratio	Lower	Upper
79	100		
108	66.5	56.6	85.0
77	63.7	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
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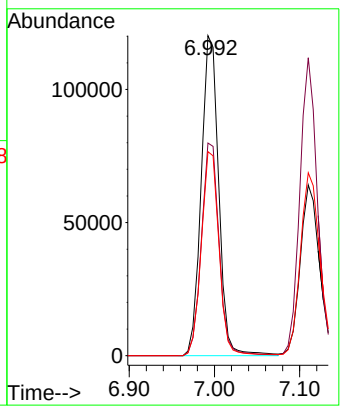
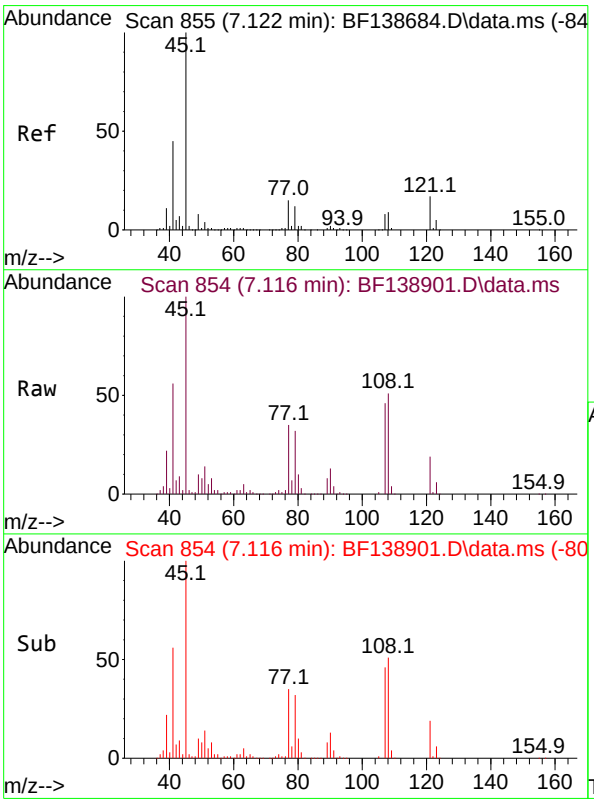
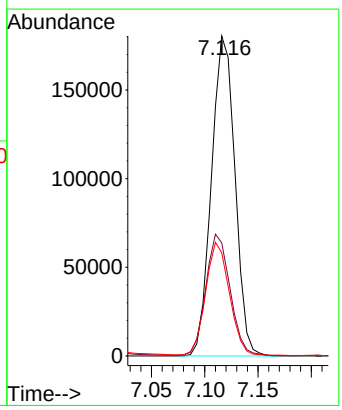


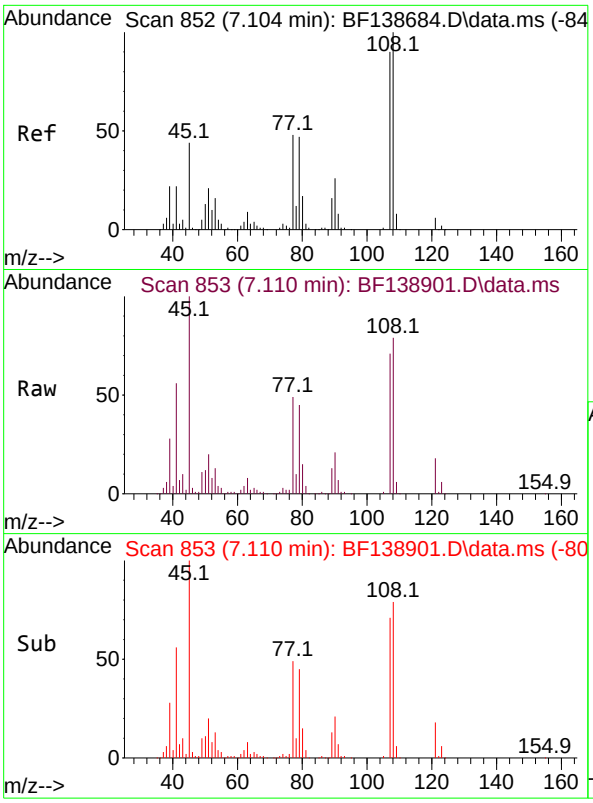


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.049 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 45 Resp: 276455

Ion	Ratio	Lower	Upper
45	100		
77	35.4	0.0	34.9#
79	32.2	0.0	32.2#

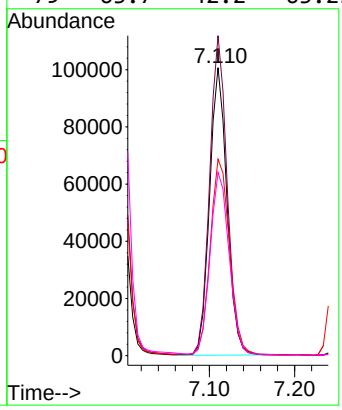




#17
2-Methylphenol
Concen: 40.163 ng
RT: 7.110 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:107 Resp: 14293

Ion	Ratio	Lower	Upper
107	100		
108	111.1	89.2	133.8
77	68.2	43.0	64.4#
79	63.7	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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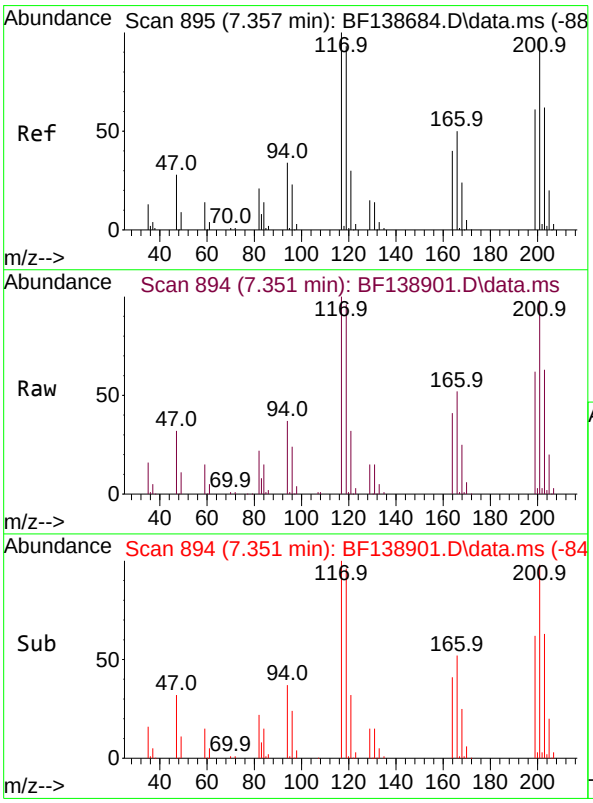
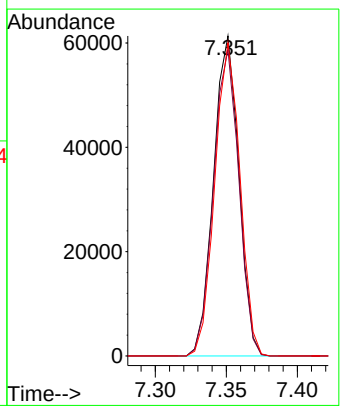
Supervised By :mohammad ahmed 08/13/2024

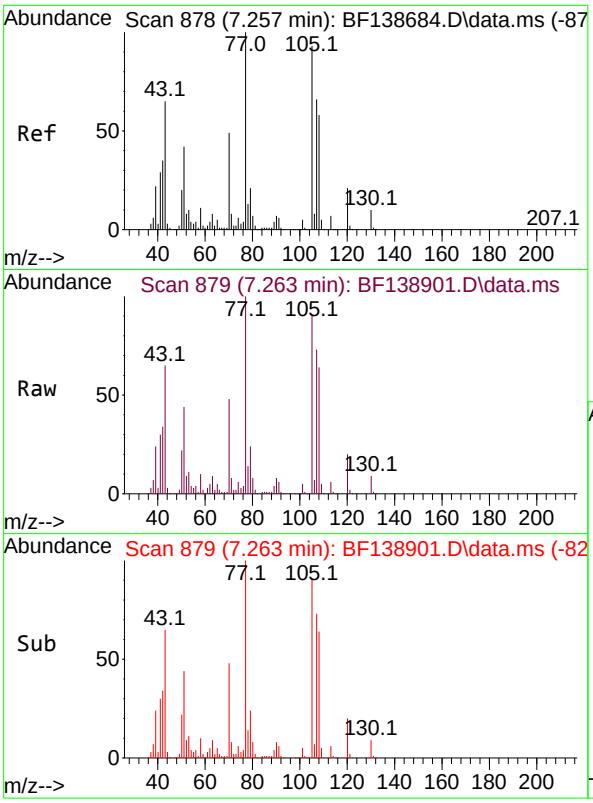


#18
Hexachloroethane
Concen: 41.486 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:117 Resp: 76031

Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.6	111.8
201	97.9	77.2	115.8

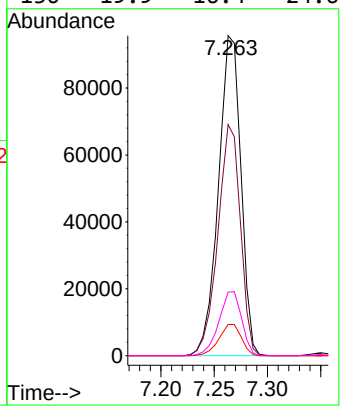




#19
n-Nitroso-di-n-propylamine
Concen: 42.274 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 70 Resp: 14042

Ion	Ratio	Lower	Upper
70	100		
42	72.2	57.4	86.0
101	9.7	7.5	11.3
130	19.9	16.4	24.6



Instrument :
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ClientSampleId :
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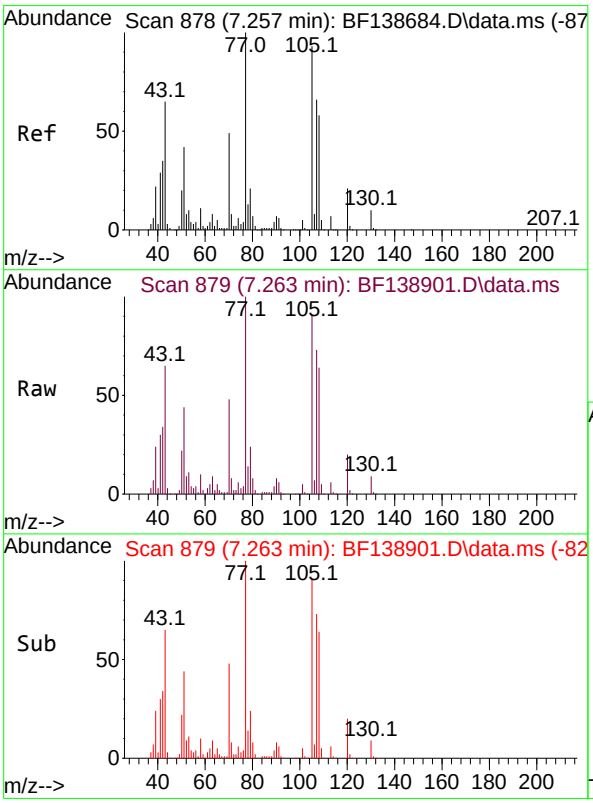
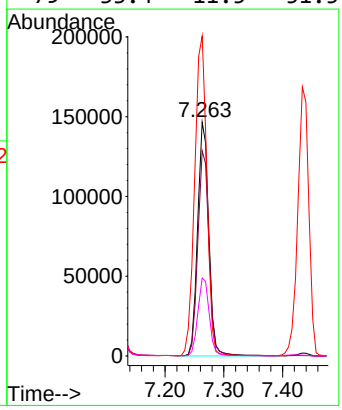
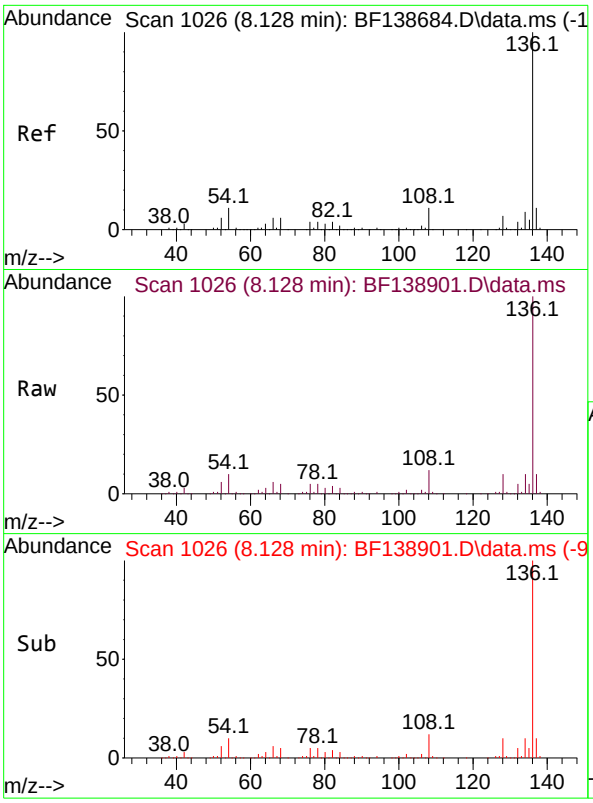


#20
3+4-Methylphenols
Concen: 42.440 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:107 Resp: 193788

Ion	Ratio	Lower	Upper
107	100		
108	87.8	68.2	108.2
77	136.9	132.1	172.1
79	33.4	11.5	51.5



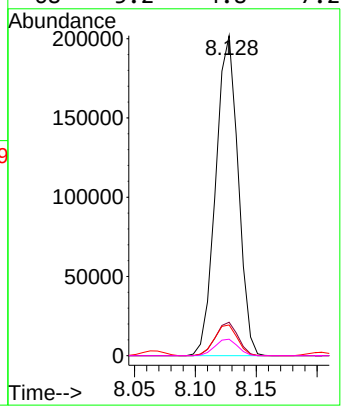


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 25854

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.6	8.6	12.8
68	5.2	4.8	7.2



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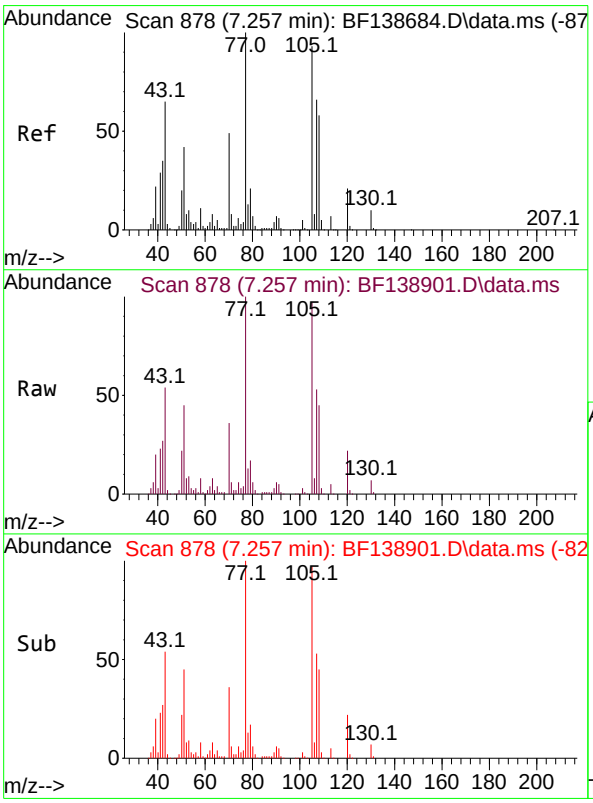
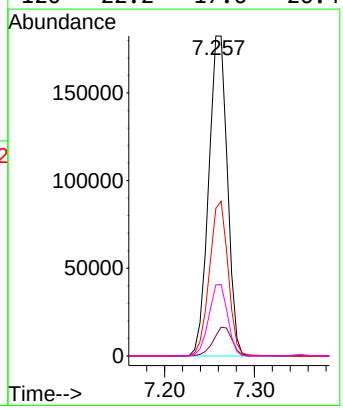
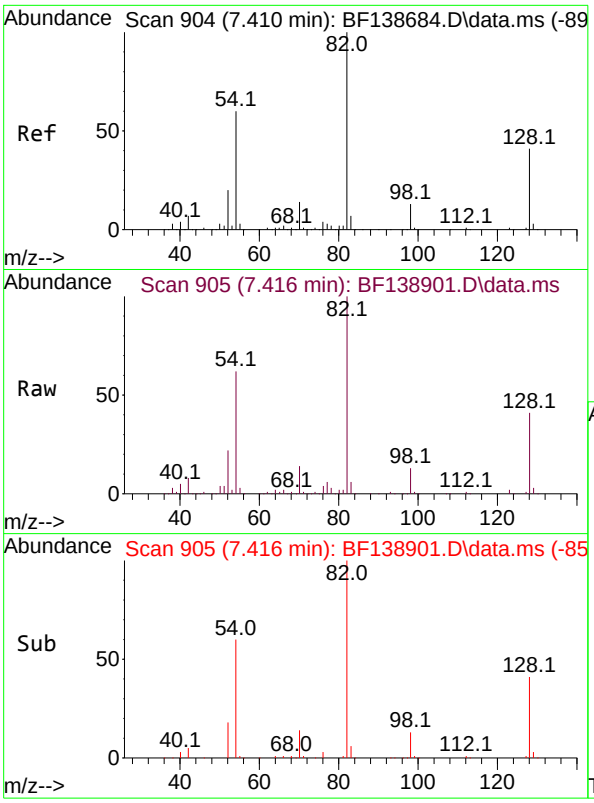


#22
Acetophenone
Concen: 41.744 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:105 Resp: 264253

Ion	Ratio	Lower	Upper
105	100		
71	6.3	7.2	10.8#
51	46.1	35.9	53.9
120	22.2	17.6	26.4

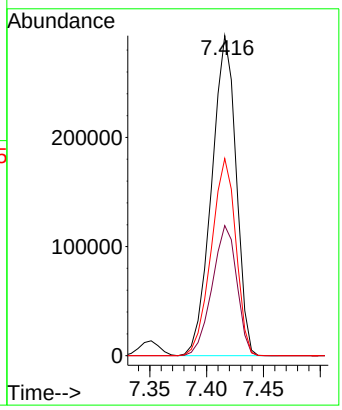




#23
Nitrobenzene-d5
Concen: 83.191 ng
RT: 7.416 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 82 Resp: 43992(

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.8	49.2
54	61.6	48.3	72.5



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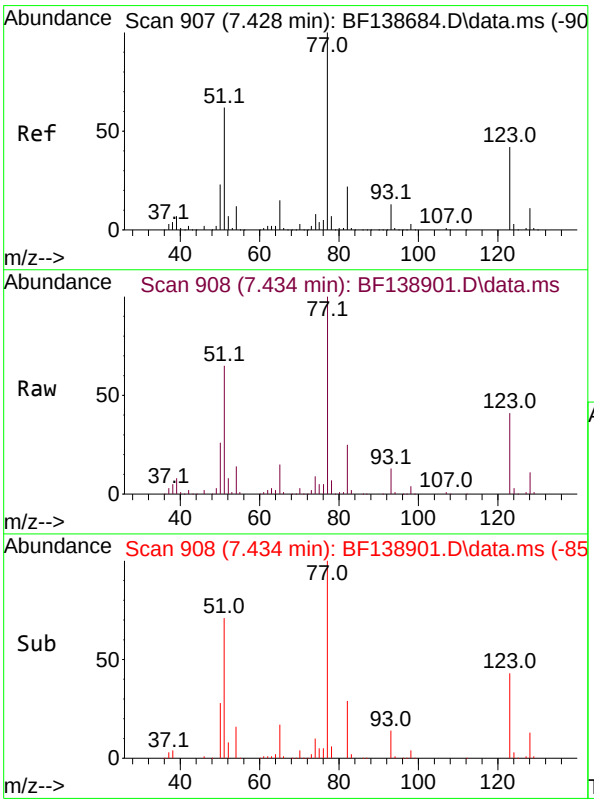
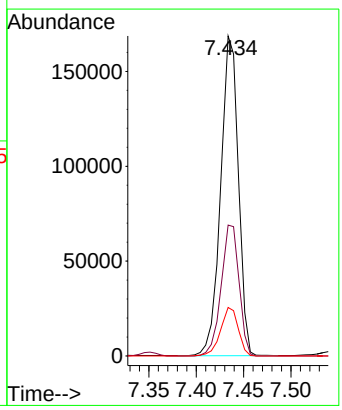
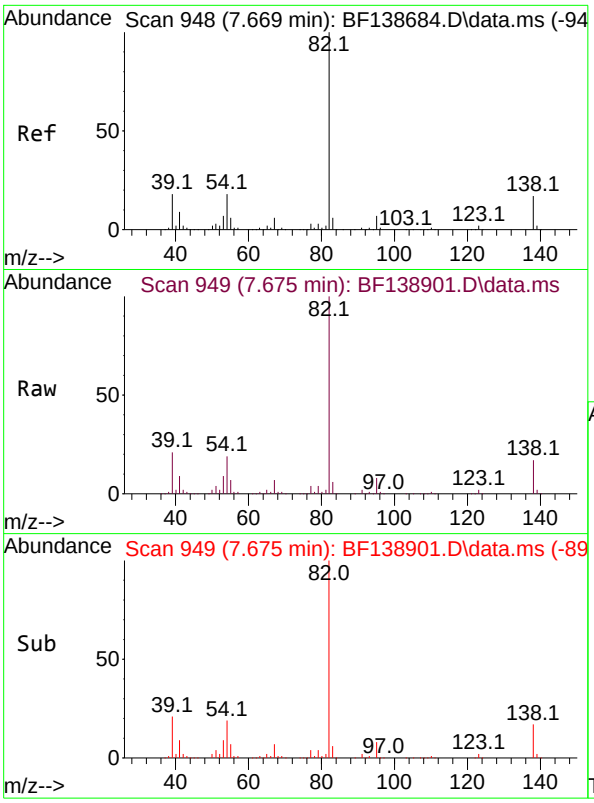


#24
Nitrobenzene
Concen: 40.822 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 77 Resp: 219665

Ion	Ratio	Lower	Upper
77	100		
123	40.9	33.3	49.9
65	15.1	11.9	17.9

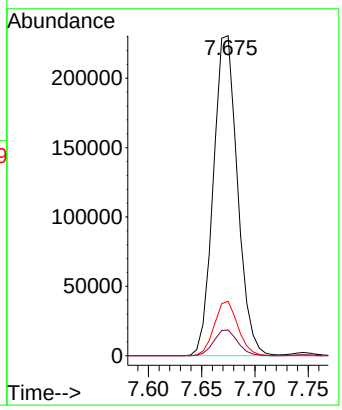




#25
Isophorone
Concen: 40.211 ng
RT: 7.675 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 82 Resp: 36309

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.7	8.5
138	17.0	13.7	20.5



Instrument :
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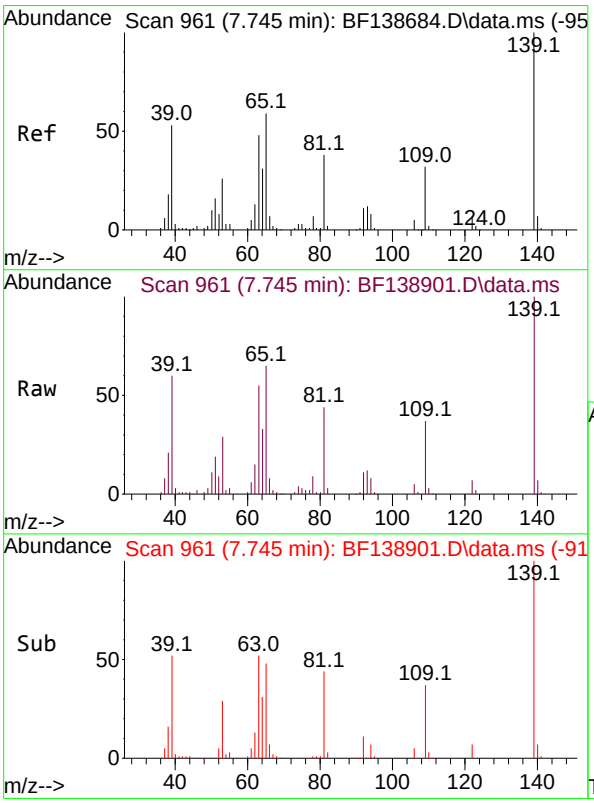
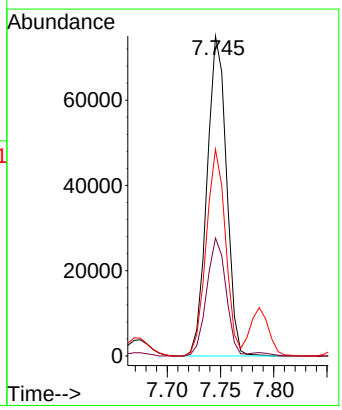
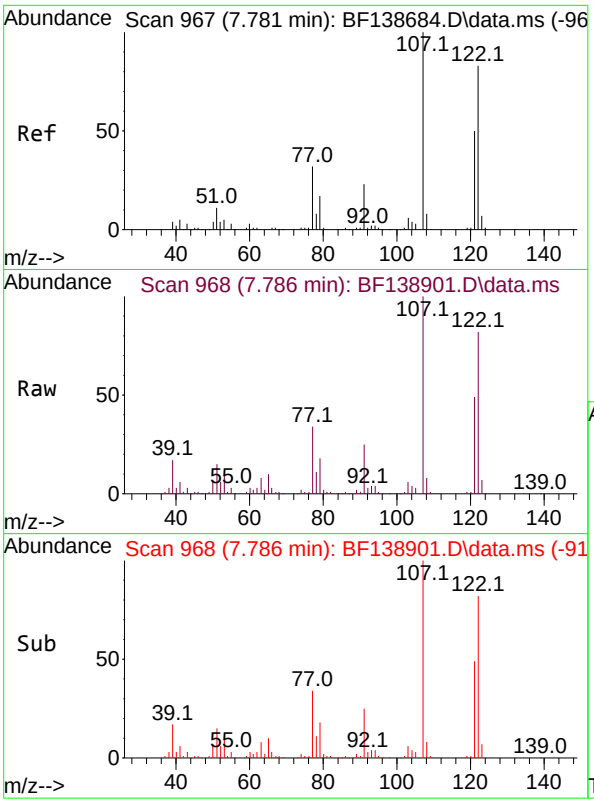


#26
2-Nitrophenol
Concen: 41.134 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:139 Resp: 95229

Ion	Ratio	Lower	Upper
139	100		
109	36.9	25.9	38.9
65	64.6	47.0	70.6

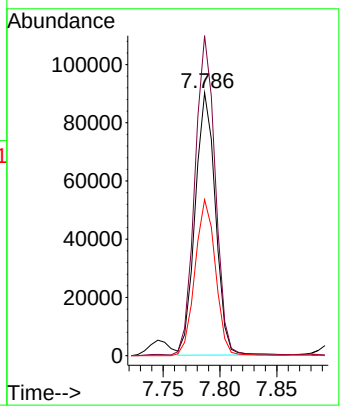




#27
2,4-Dimethylphenol
Concen: 40.261 ng
RT: 7.786 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:122 Resp: 11152(

Ion	Ratio	Lower	Upper
122	100		
107	121.6	95.0	142.6
121	59.3	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
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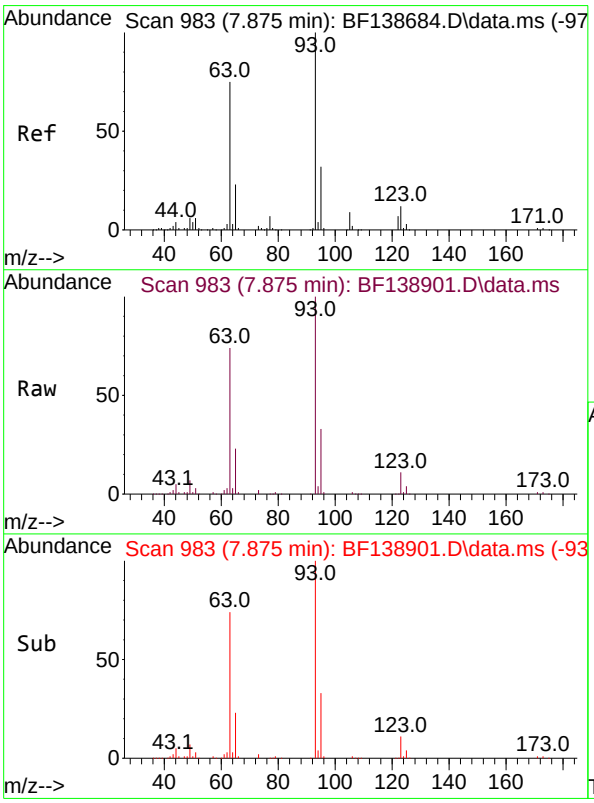
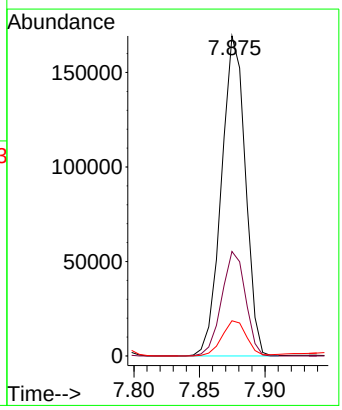
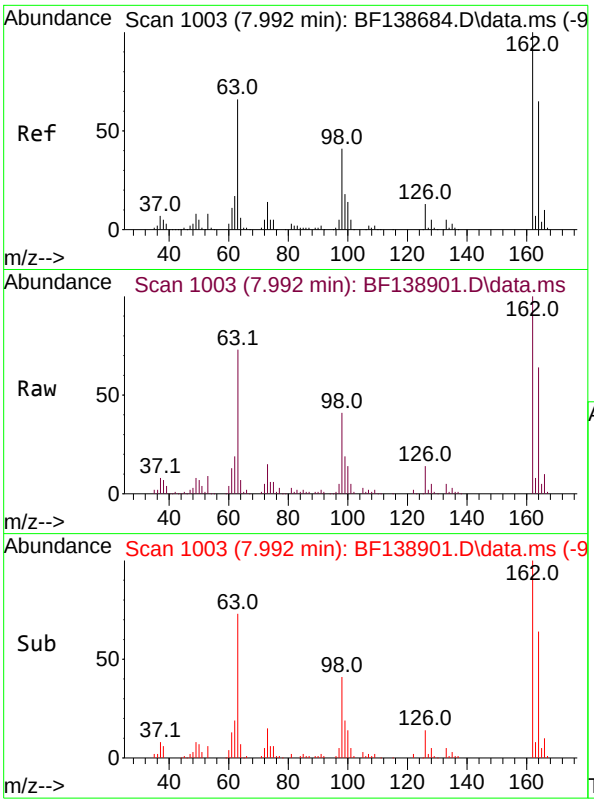


#28
bis(2-Chloroethoxy)methane
Concen: 39.163 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 93 Resp: 215348

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	11.0	9.4	14.0

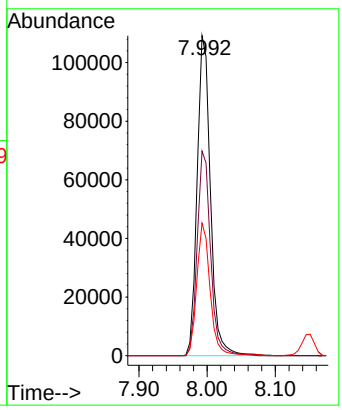




#29
2,4-Dichlorophenol
Concen: 41.631 ng
RT: 7.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:162 Resp: 14817

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.7	84.7
98	41.5	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
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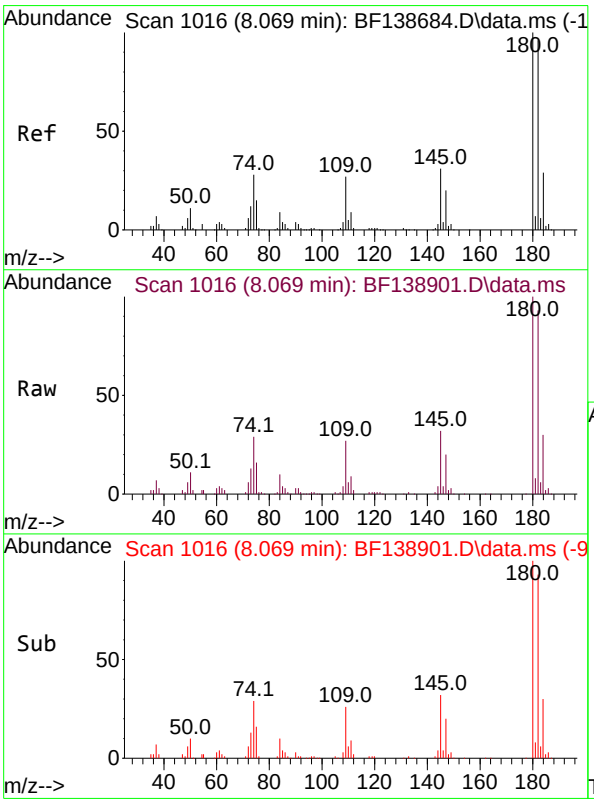
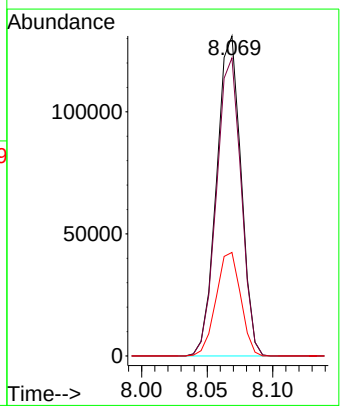
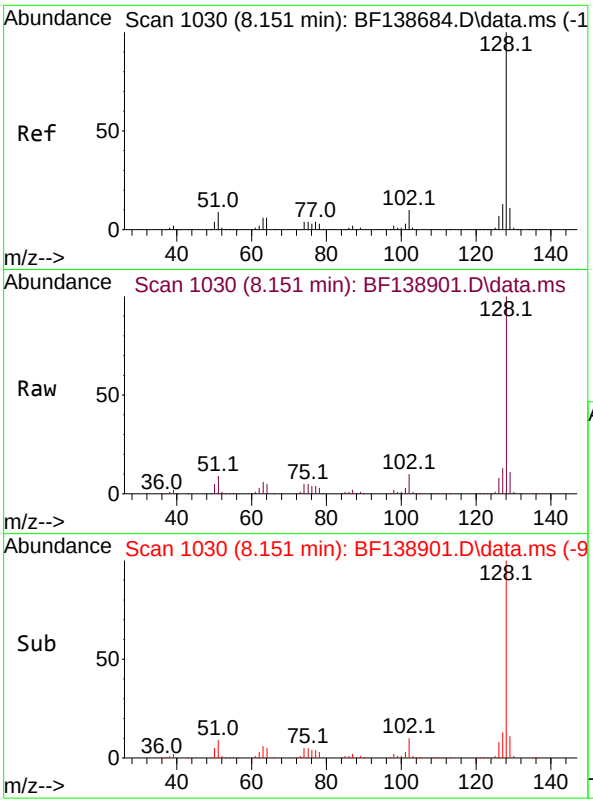


#30
1,2,4-Trichlorobenzene
Concen: 41.335 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:180 Resp: 169785

Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.9	115.3
145	32.4	25.0	37.4

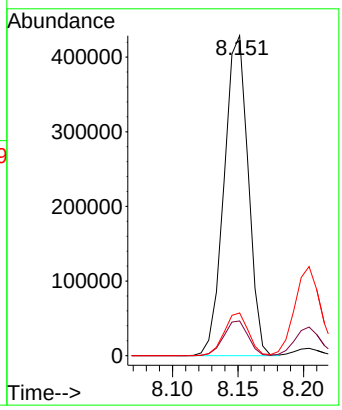




#31
Naphthalene
Concen: 40.229 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:128 Resp: 54746

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.3	10.6	16.0



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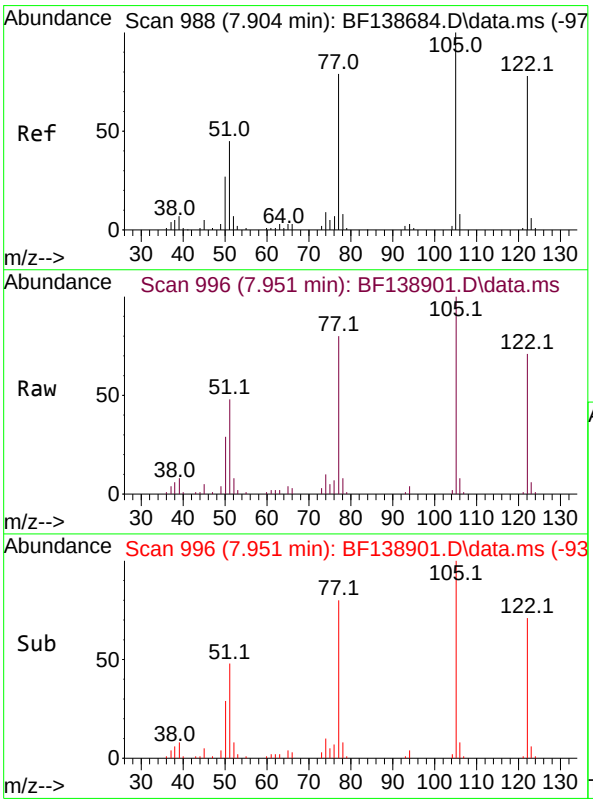
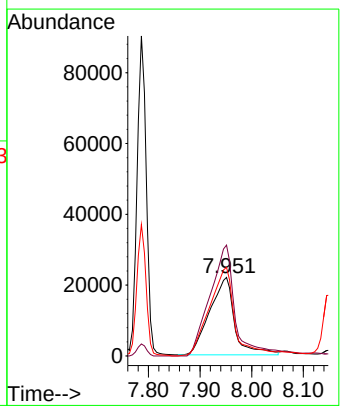
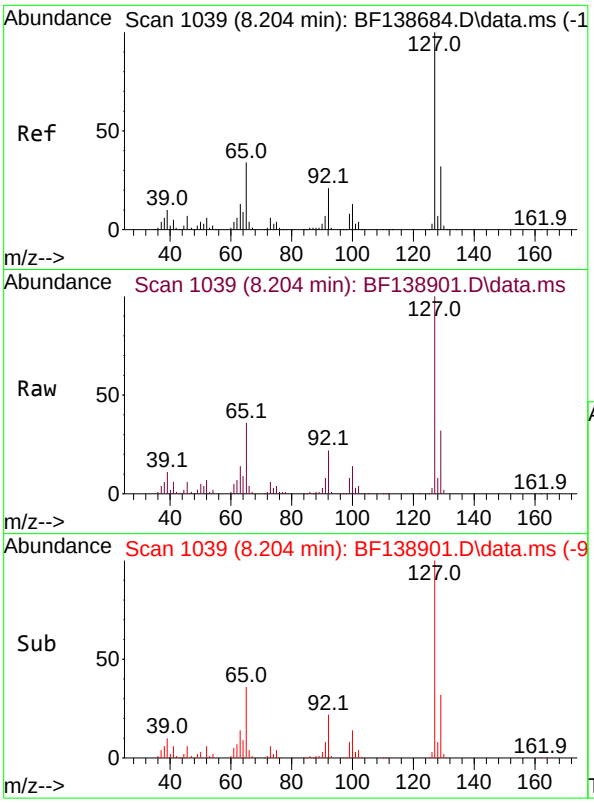


#32
Benzoic acid
Concen: 33.892 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.047 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:122 Resp: 73794

Ion	Ratio	Lower	Upper
122	100		
105	141.4	106.7	146.7
77	113.0	81.1	121.1

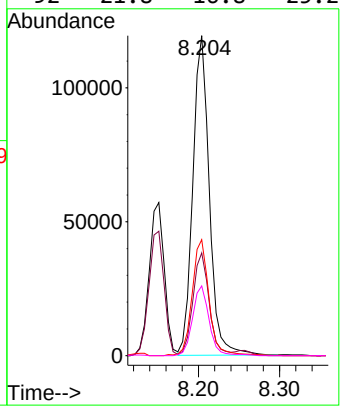




#33
4-Chloroaniline
Concen: 36.967 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:127 Resp: 16887

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	36.2	27.6	41.4
92	21.8	16.8	25.2



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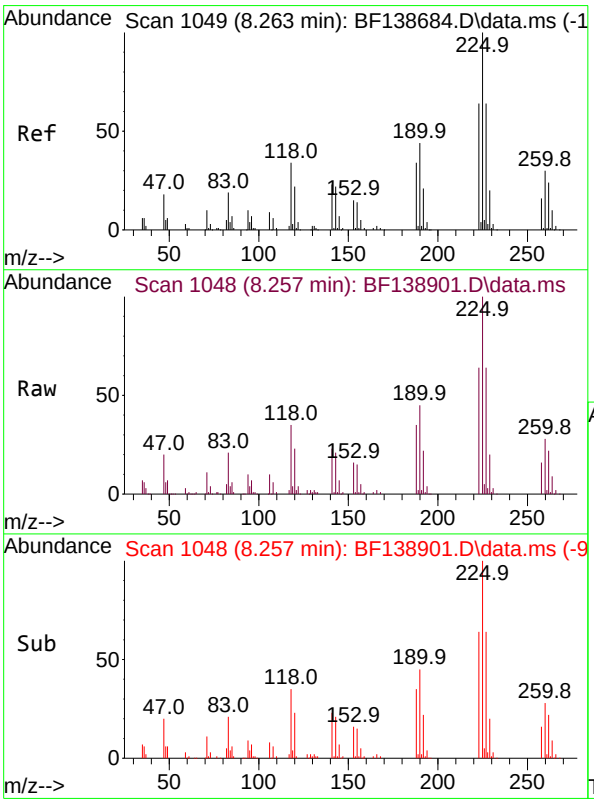
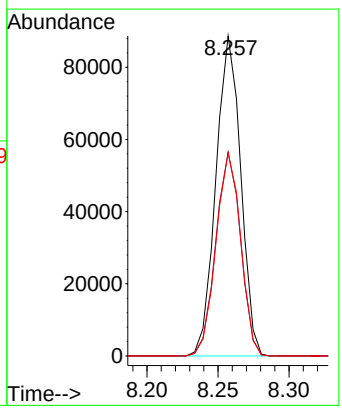
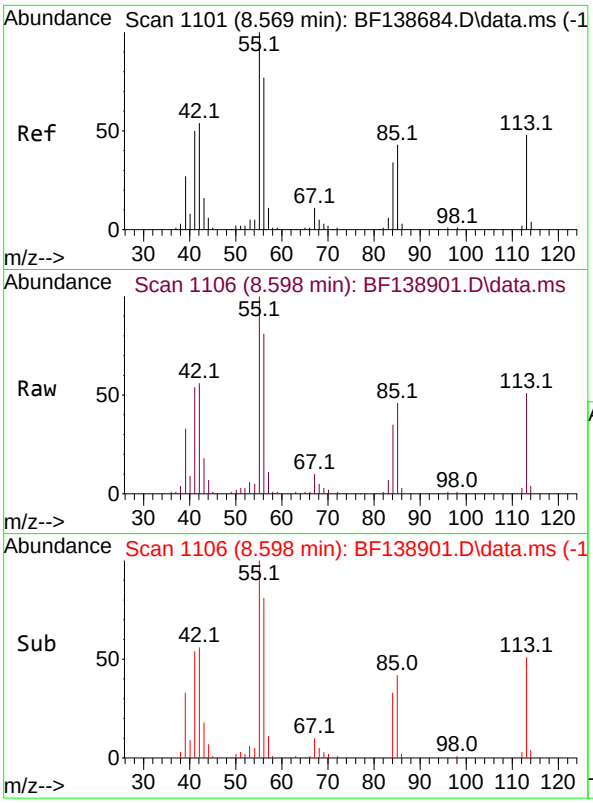


#34
Hexachlorobutadiene
Concen: 43.255 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:225 Resp: 107615

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.2	76.8
227	63.5	51.1	76.7

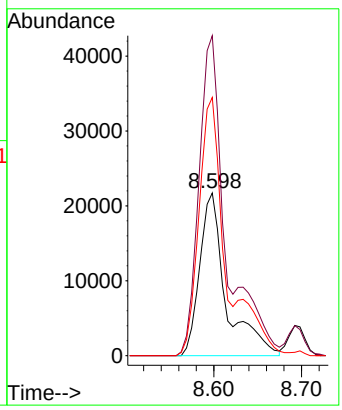




#35
Caprolactam
Concen: 42.813 ng m
RT: 8.598 min Scan# 1
Delta R.T. 0.029 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:113 Resp: 4546

Ion	Ratio	Lower	Upper
113	100		
55	196.6	186.7	226.7
56	158.6	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
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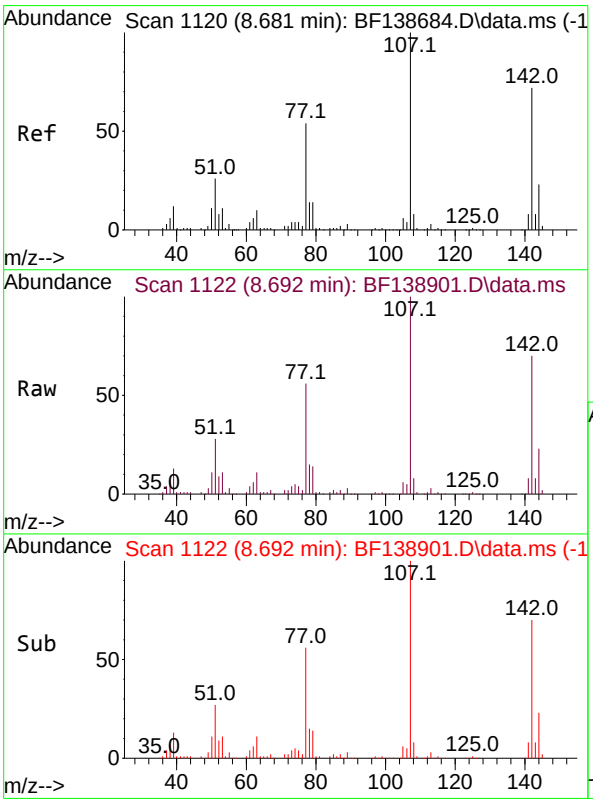
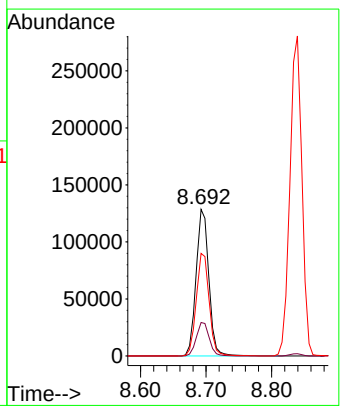
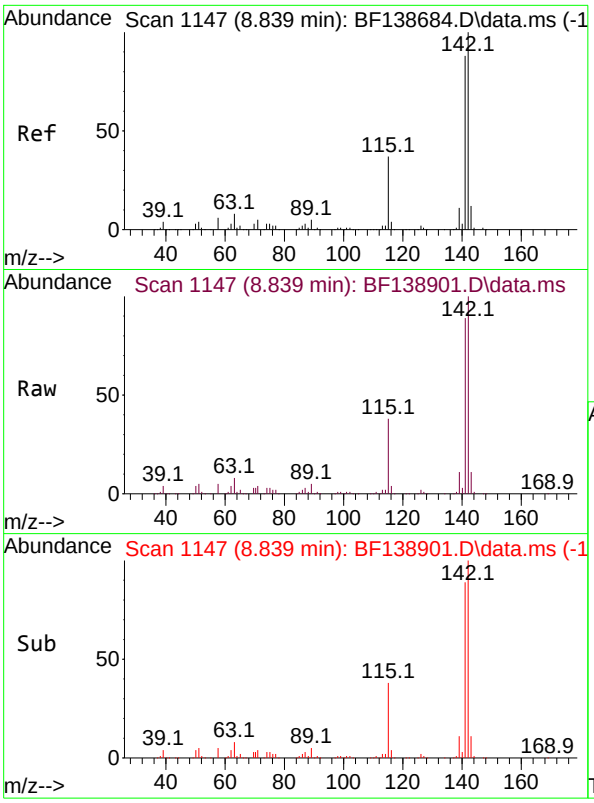


#36
4-Chloro-3-methylphenol
Concen: 42.827 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:107 Resp: 174210

Ion	Ratio	Lower	Upper
107	100		
144	22.8	18.2	27.2
142	69.9	57.4	86.2

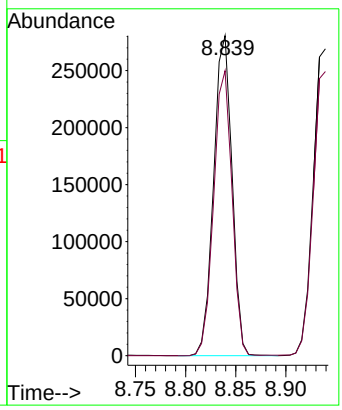




#37
2-Methylnaphthalene
Concen: 41.582 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:142 Resp: 35738

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2



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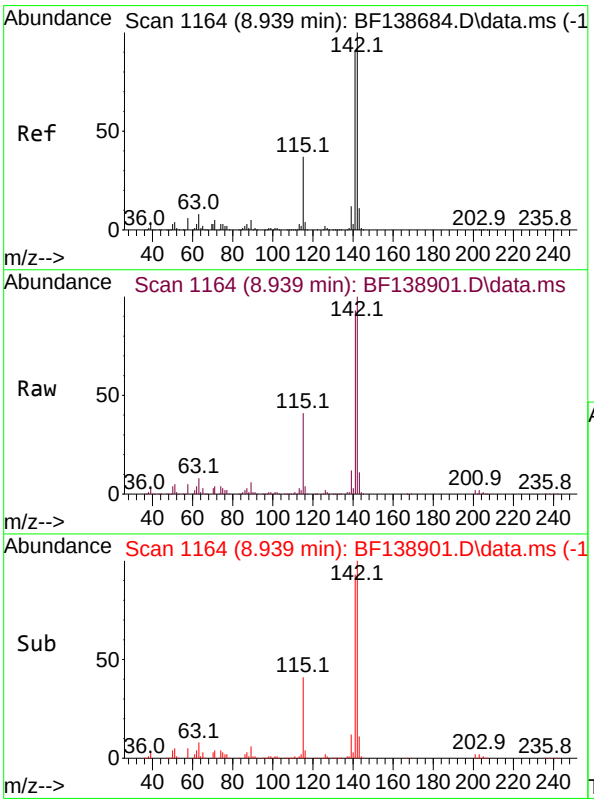
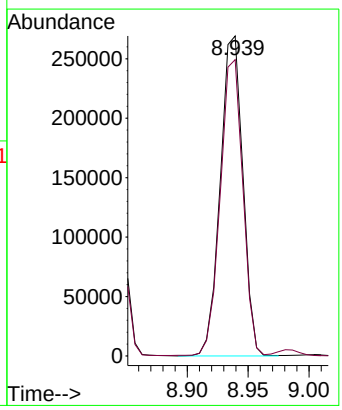
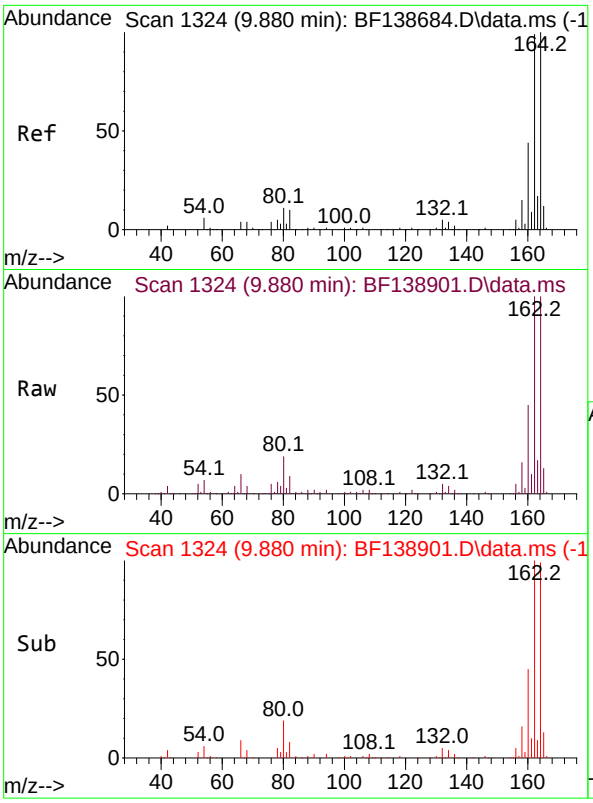


#38
1-Methylnaphthalene
Concen: 41.263 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:142 Resp: 347514

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.1	109.7

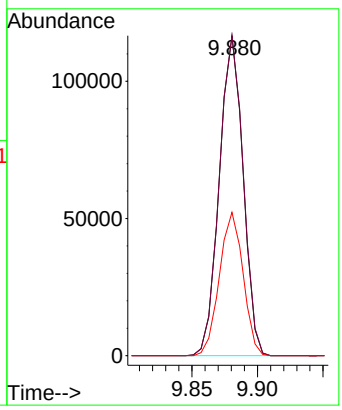




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:164 Resp: 14626

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.9	35.1	52.7



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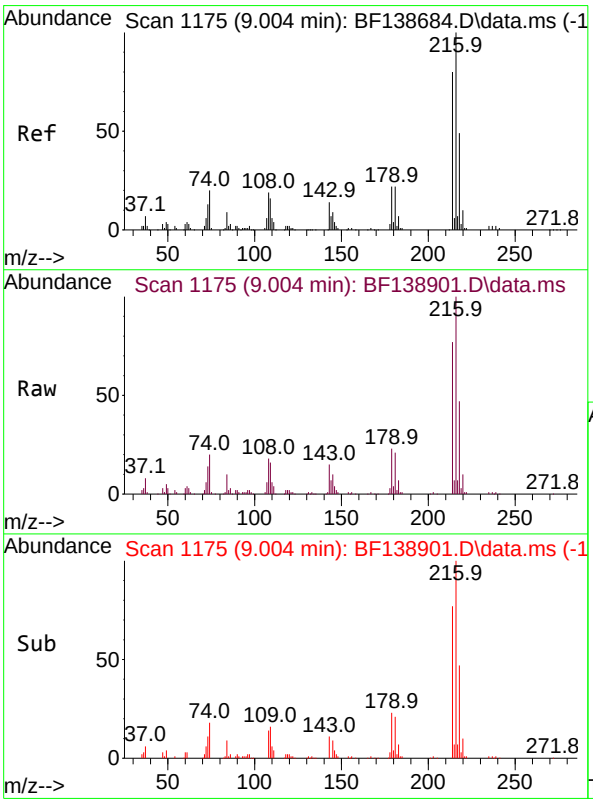
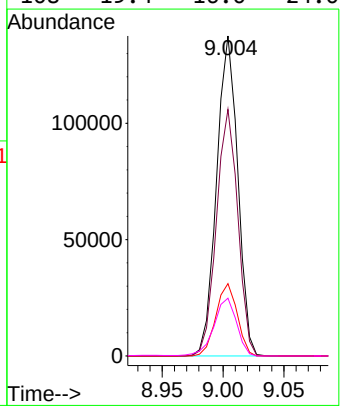
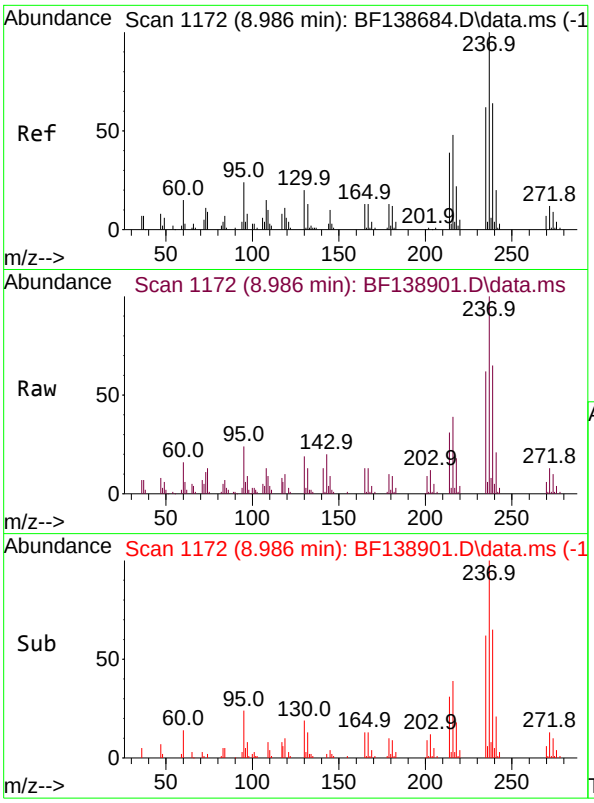


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.018 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:216 Resp: 166654

Ion	Ratio	Lower	Upper
216	100		
214	77.4	63.9	95.9
179	22.8	17.8	26.6
108	19.4	16.0	24.0

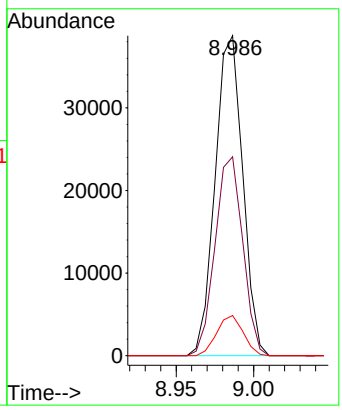




#41
Hexachlorocyclopentadiene
Concen: 47.645 ng
RT: 8.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:237 Resp: 4791

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.8	81.8
272	12.5	0.0	32.2



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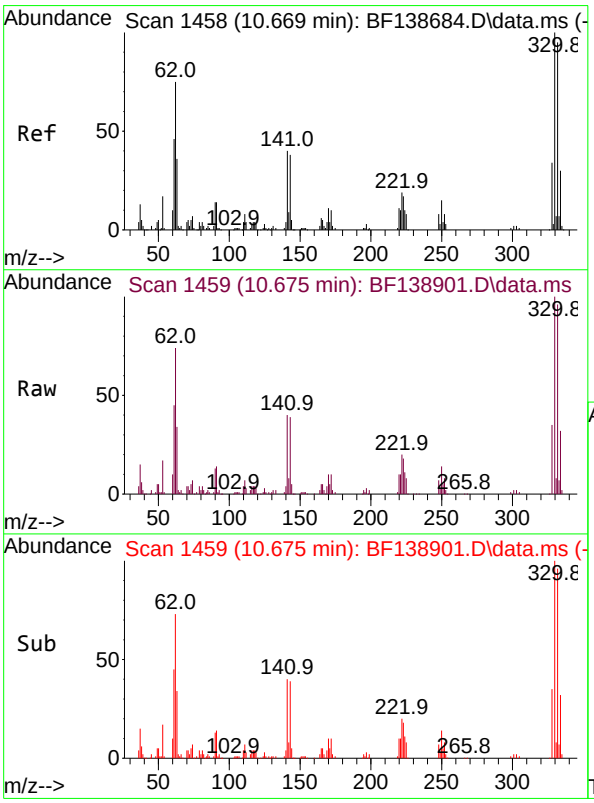
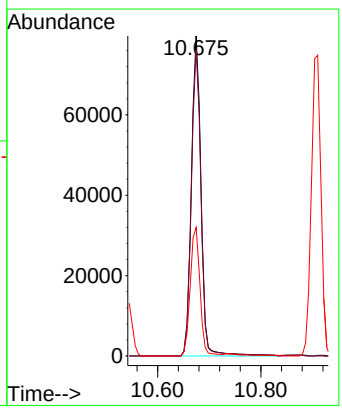
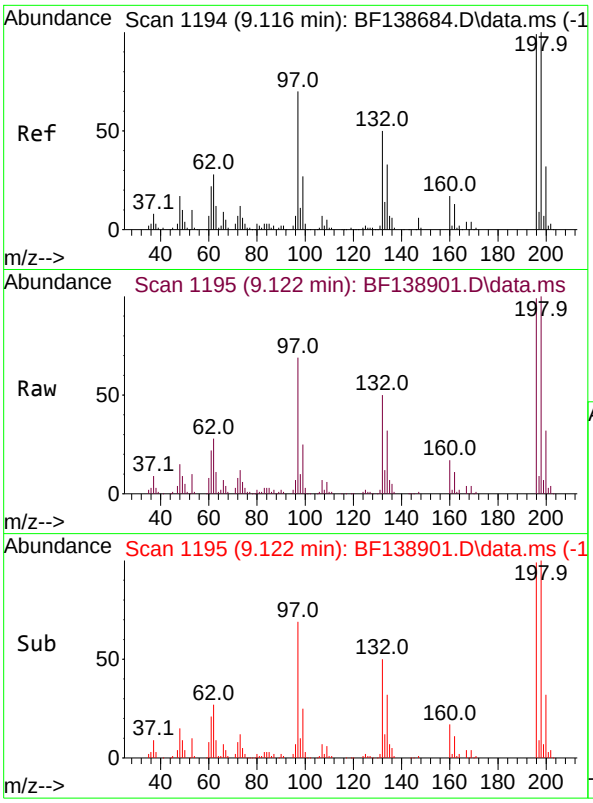


#42
2,4,6-Tribromophenol
Concen: 86.555 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:330 Resp: 103699

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.4	114.6
141	40.4	31.1	46.7

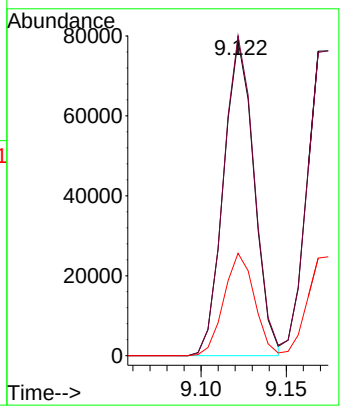




#43
2,4,6-Trichlorophenol
Concen: 39.746 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:196 Resp: 9846

Ion	Ratio	Lower	Upper
196	100		
198	101.4	80.5	120.7
200	32.4	25.9	38.9



Instrument :
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ClientSampleId :
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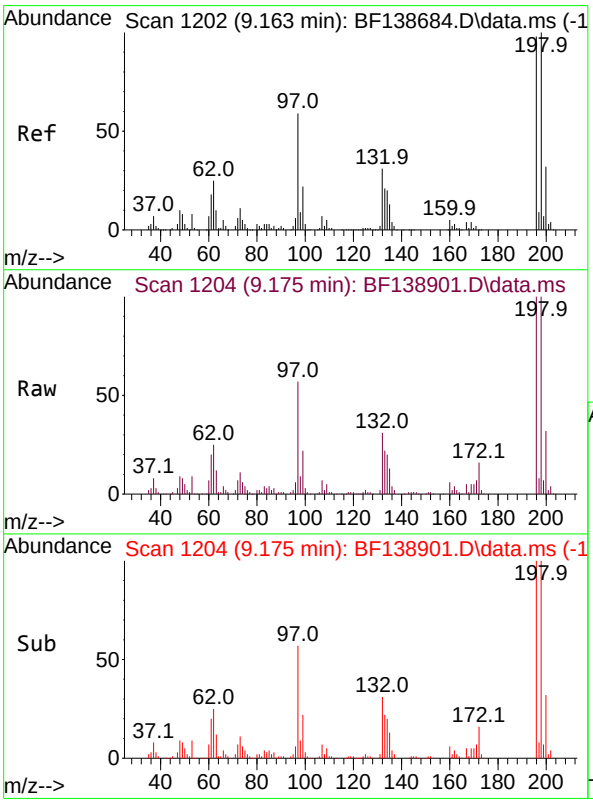
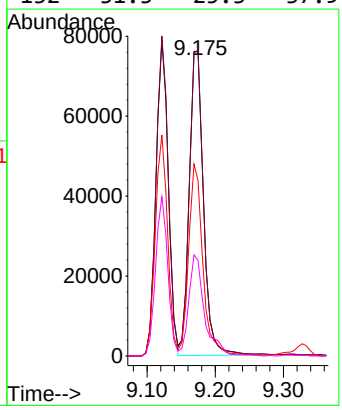
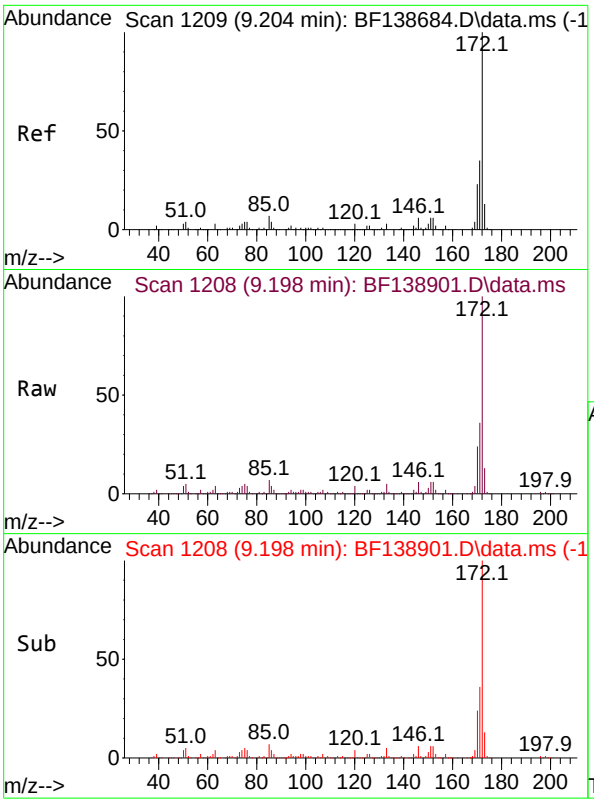


#44
2,4,5-Trichlorophenol
Concen: 40.677 ng
RT: 9.175 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:196 Resp: 110160

Ion	Ratio	Lower	Upper
196	100		
198	100.0	81.2	121.8
97	57.5	47.8	71.6
132	31.3	25.3	37.9

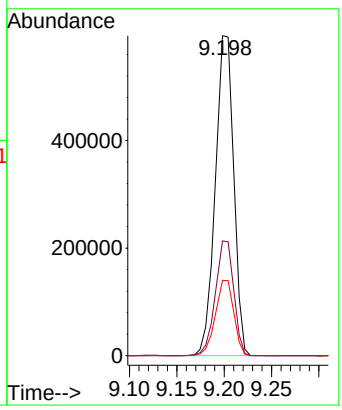




#45
2-Fluorobiphenyl
Concen: 82.684 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:172 Resp: 80488

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	23.5	18.8	28.2



Instrument :
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ClientSampleId :
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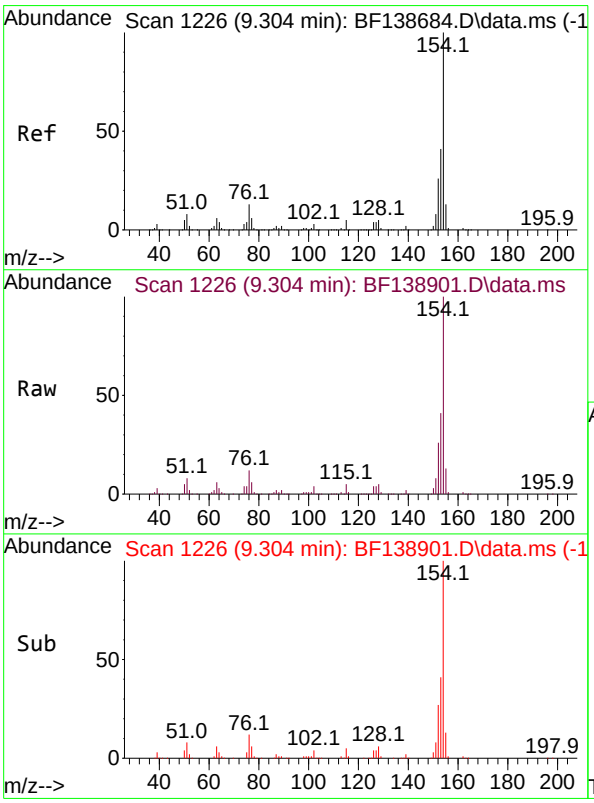
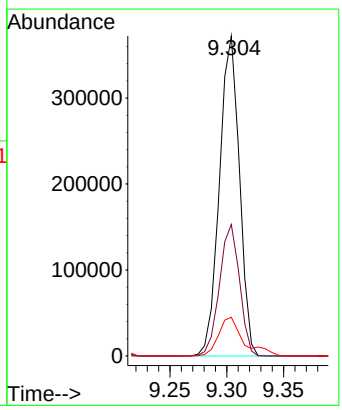
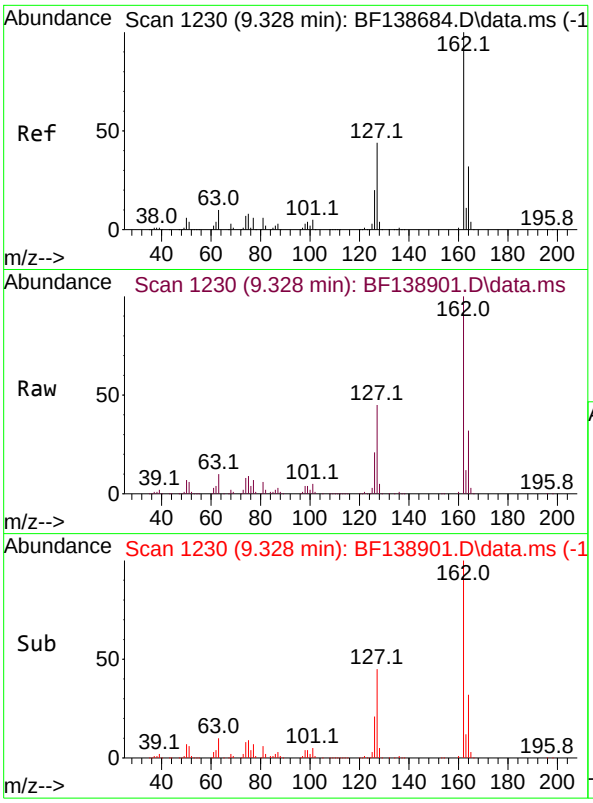


#46
1,1'-Biphenyl
Concen: 39.816 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:154 Resp: 456093

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.8	60.8
76	12.1	0.0	32.8

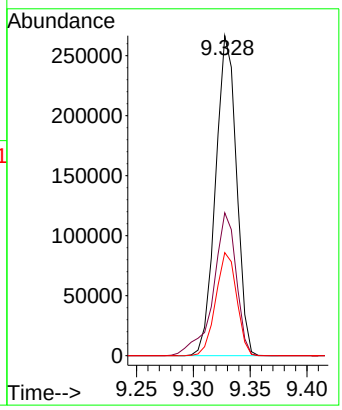




#47
2-Chloronaphthalene
Concen: 40.080 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:162 Resp: 34146

Ion	Ratio	Lower	Upper
162	100		
127	44.7	35.4	53.2
164	32.2	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
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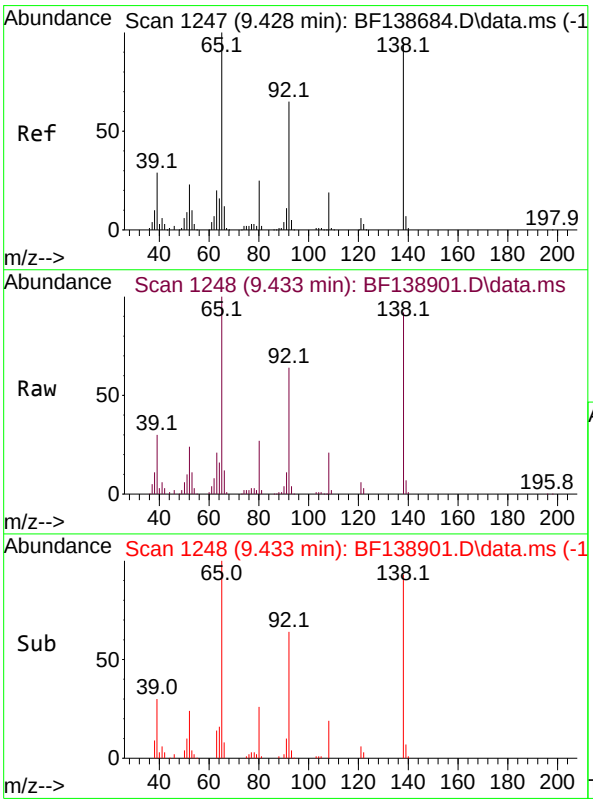
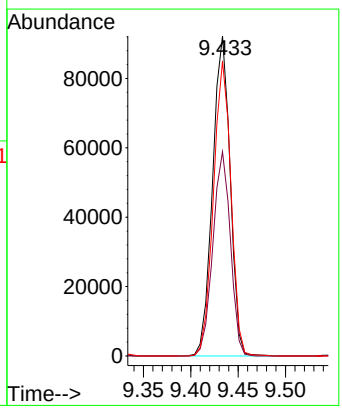
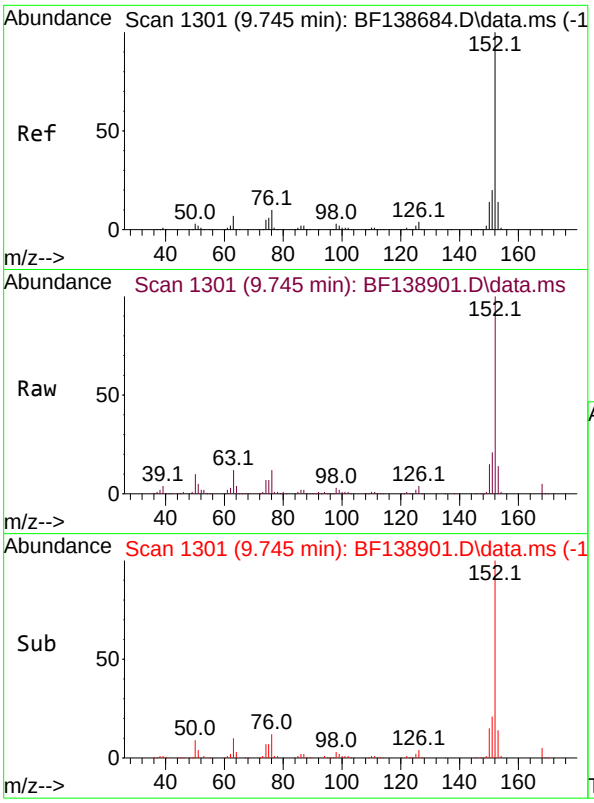


#48
2-Nitroaniline
Concen: 41.277 ng
RT: 9.433 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 65 Resp: 119216

Ion	Ratio	Lower	Upper
65	100		
92	63.8	52.0	78.0
138	92.2	76.2	114.4

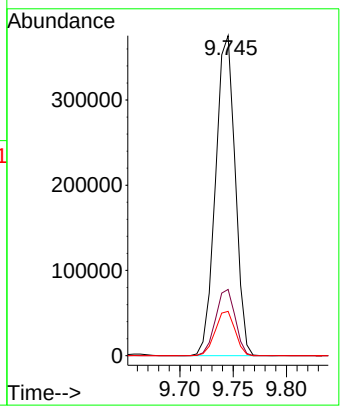




#49
Acenaphthylene
Concen: 39.744 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:152 Resp: 48023

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	13.9	11.0	16.4



Instrument :
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ClientSampleId :
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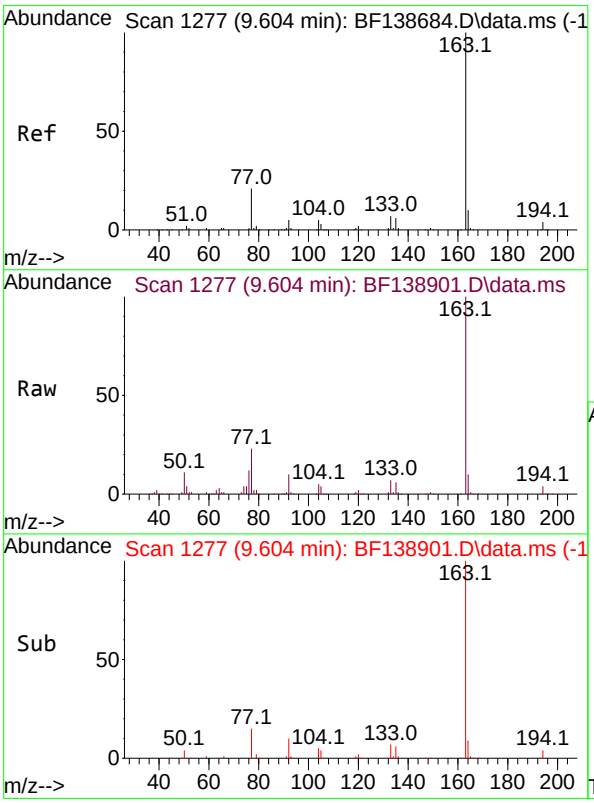
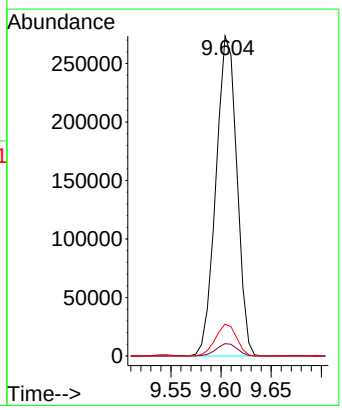
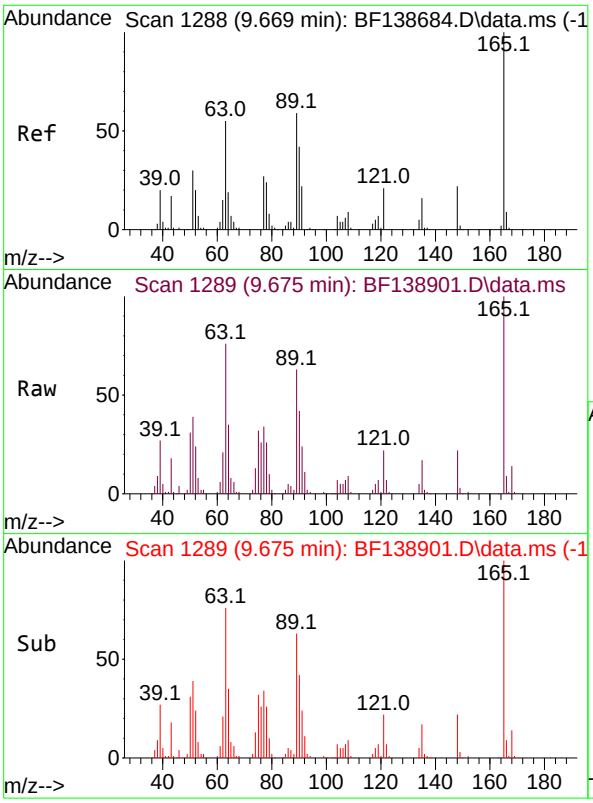


#50
Dimethylphthalate
Concen: 42.377 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:163 Resp: 396316

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.0	7.8	11.8

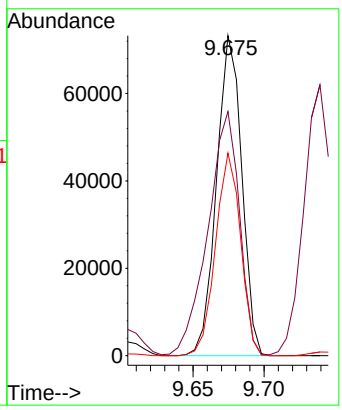




#51
2,6-Dinitrotoluene
Concen: 42.834 ng
RT: 9.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:165 Resp: 9040

Ion	Ratio	Lower	Upper
165	100		
63	76.3	52.0	78.0
89	63.3	47.0	70.6



Instrument :
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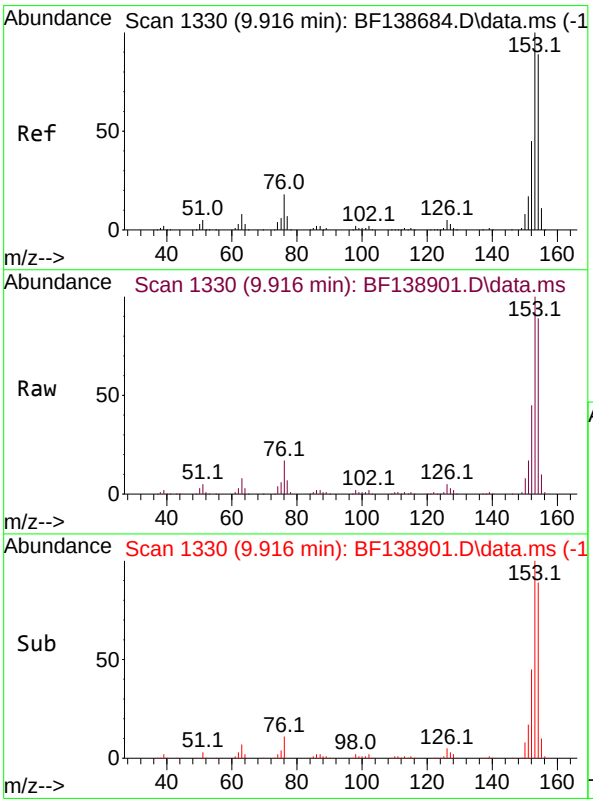
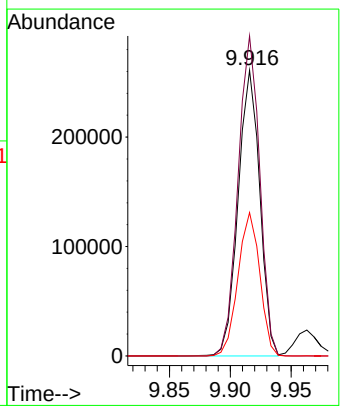
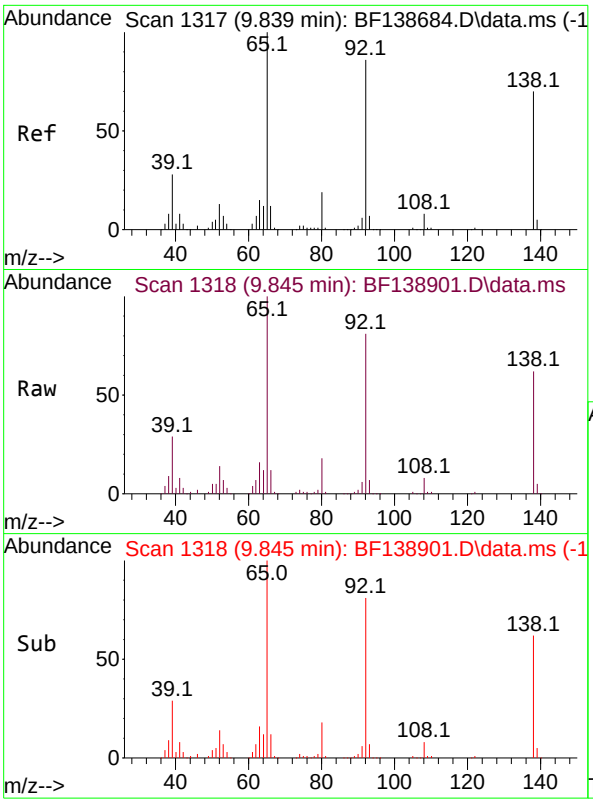


#52
Acenaphthene
Concen: 39.769 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:154 Resp: 323021

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.9	134.9
152	50.2	40.6	60.8

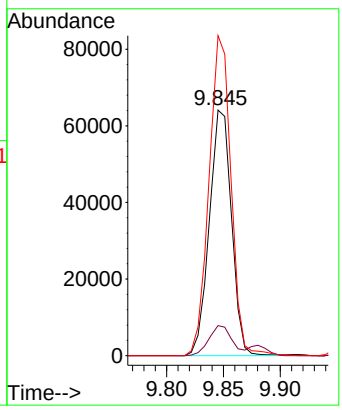




#53
3-Nitroaniline
Concen: 39.908 ng
RT: 9.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:138 Resp: 8707

Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.1	13.7
92	130.3	98.7	148.1



Instrument :
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ClientSampleId :
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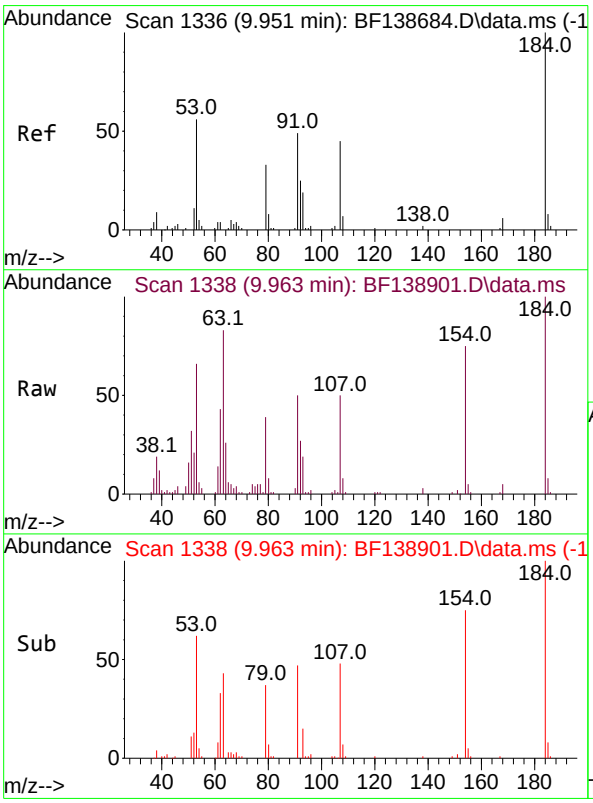
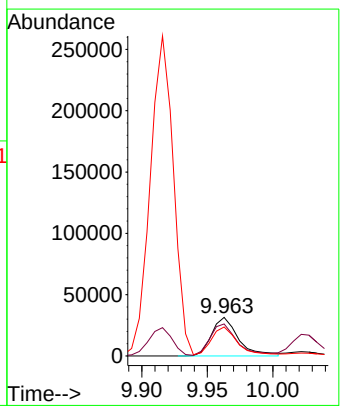
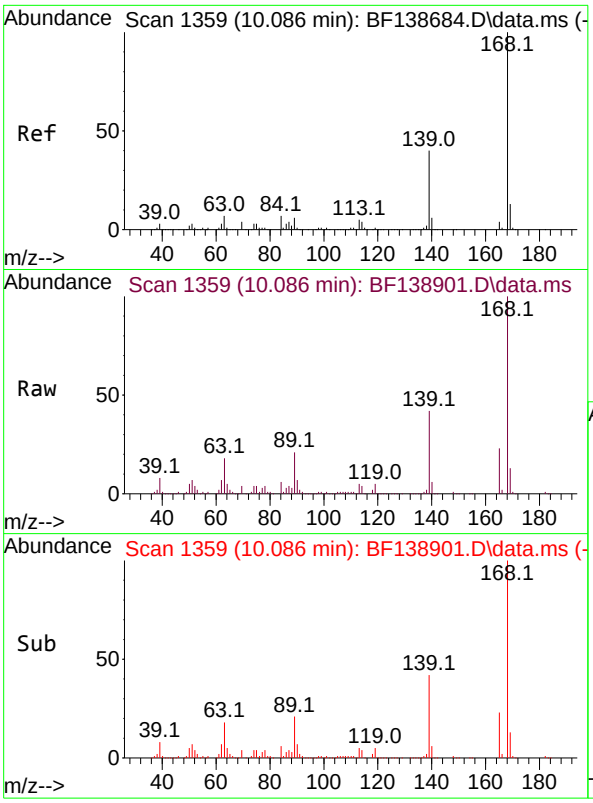


#54
2,4-Dinitrophenol
Concen: 46.071 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:184 Resp: 44762

Ion	Ratio	Lower	Upper
184	100		
63	83.0	57.5	86.3
154	75.3	51.7	77.5

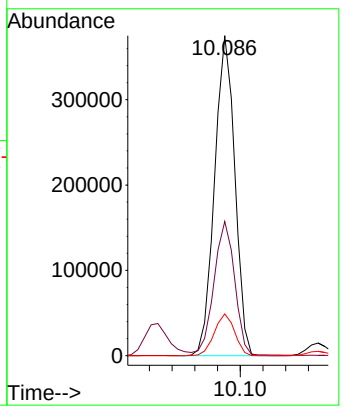




#55
Dibenzofuran
Concen: 40.561 ng
RT: 10.086 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:168 Resp: 46506

Ion	Ratio	Lower	Upper
168	100		
139	42.0	32.6	49.0
169	13.0	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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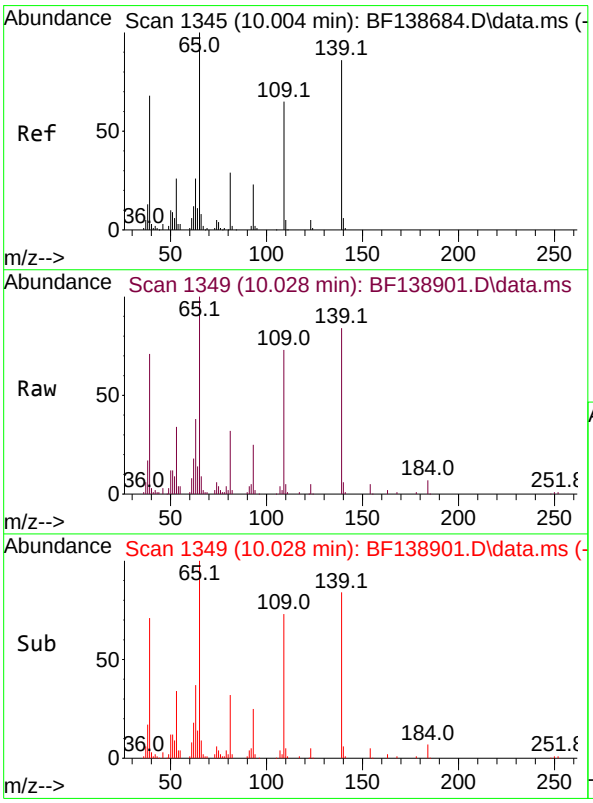
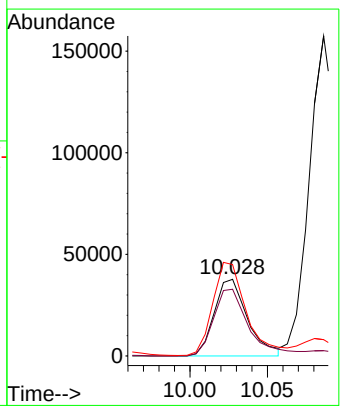
Supervised By :mohammad ahmed 08/13/2024

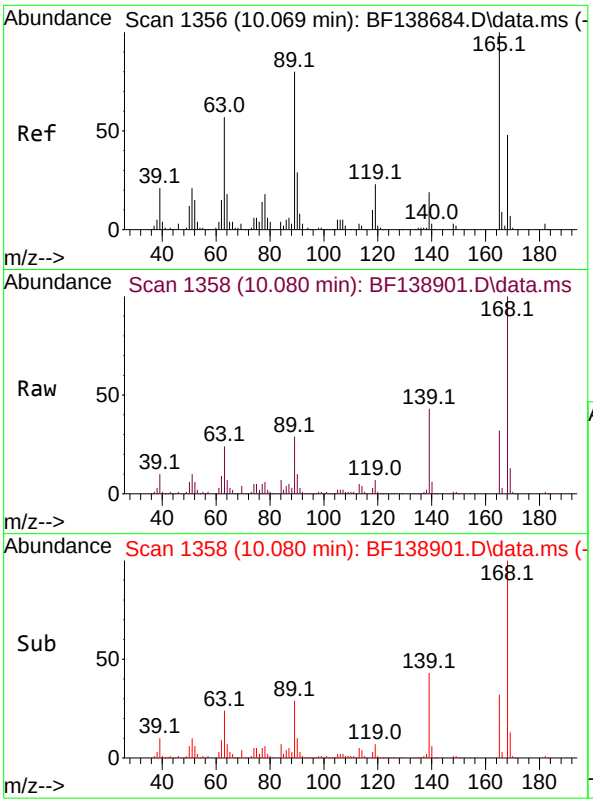


#56
4-Nitrophenol
Concen: 43.021 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.024 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:139 Resp: 56447

Ion	Ratio	Lower	Upper
139	100		
109	87.1	55.5	95.5
65	119.2	96.7	136.7

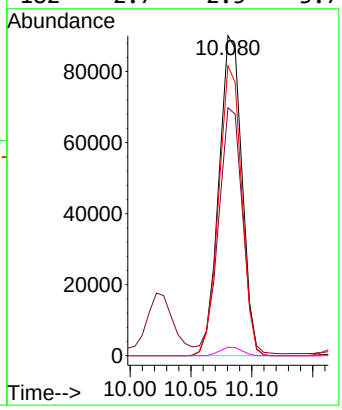




#57
2,4-Dinitrotoluene
Concen: 44.035 ng
RT: 10.080 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:165 Resp: 11857

Ion	Ratio	Lower	Upper
165	100		
63	77.5	46.3	69.5
89	90.6	64.2	96.4
182	2.7	2.5	3.7



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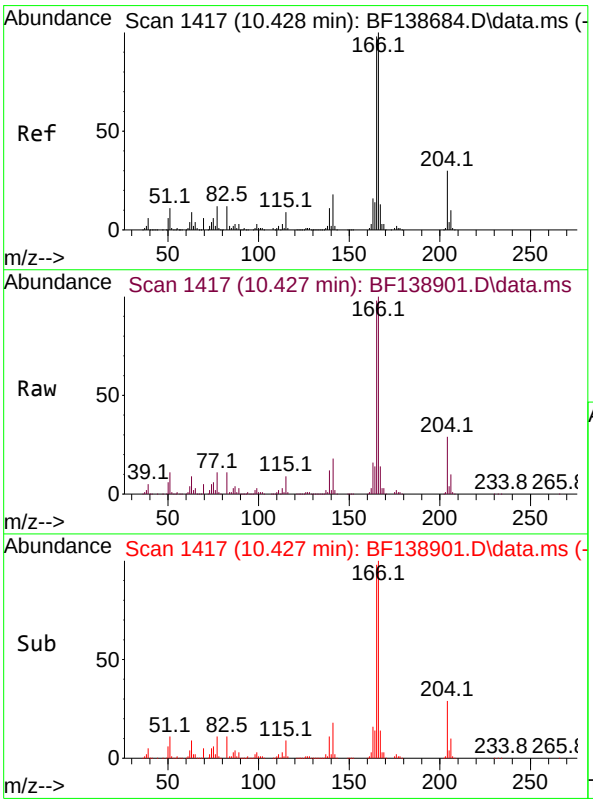
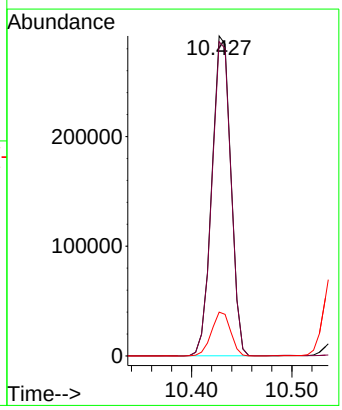
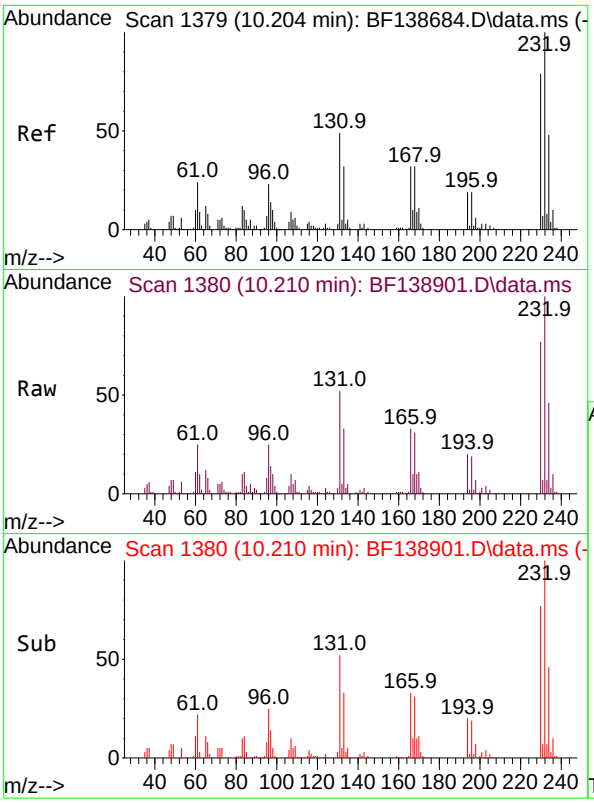


#58
Fluorene
Concen: 41.948 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:166 Resp: 383007

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.4	117.6
167	13.7	10.6	16.0

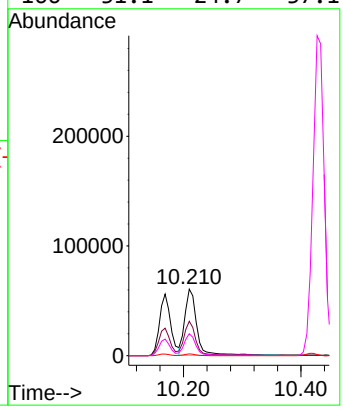




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.069 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:232 Resp: 8503

Ion	Ratio	Lower	Upper
232	100		
131	50.9	37.0	55.4
130	2.7	2.0	3.0
166	31.1	24.7	37.1



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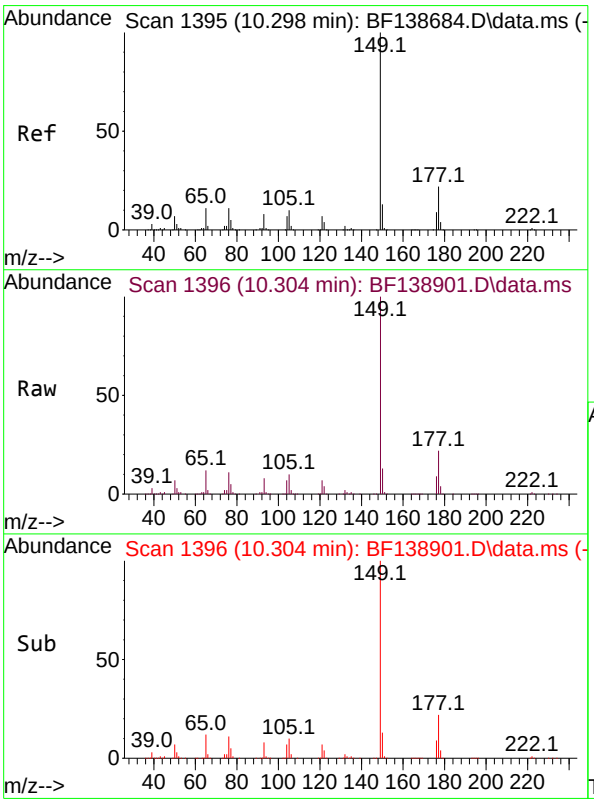
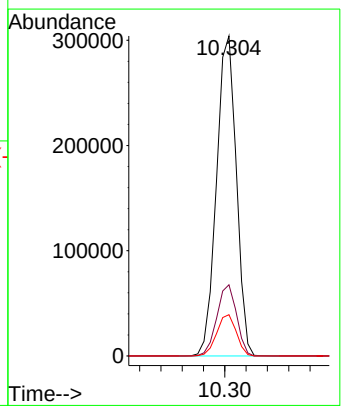
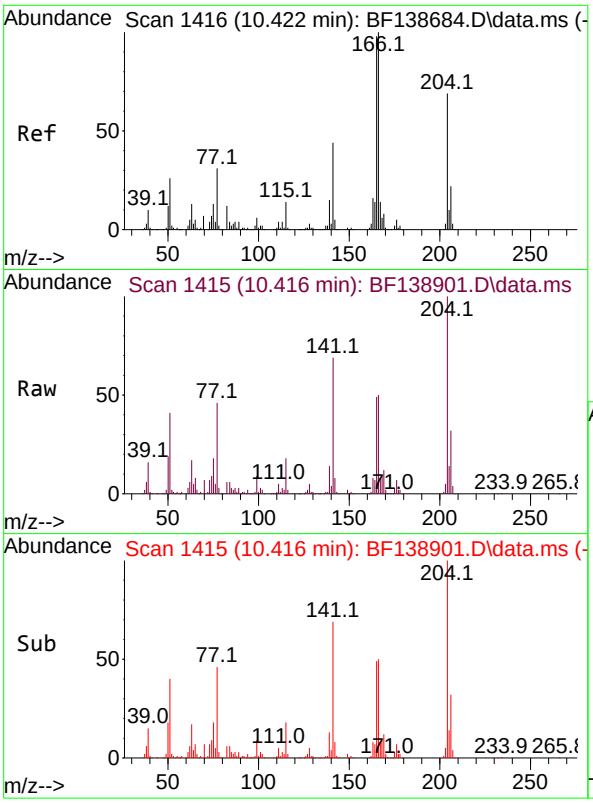


#60
Diethylphthalate
Concen: 44.254 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:149 Resp: 392422

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.9	10.1	15.1

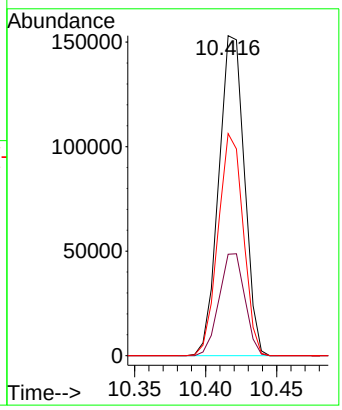




#61
4-Chlorophenyl-phenylether
Concen: 42.898 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:204 Resp: 19263

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.1	39.1
141	69.4	51.4	77.0



Instrument :
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ClientSampleId :
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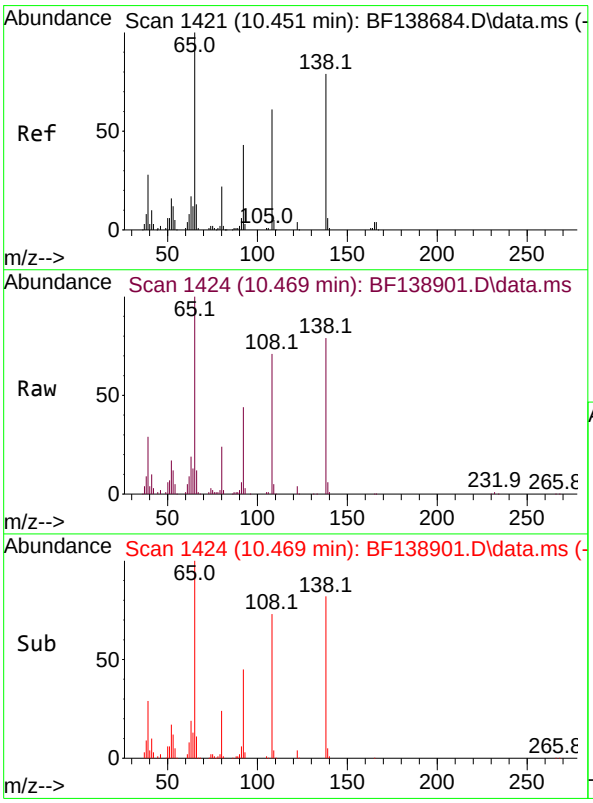
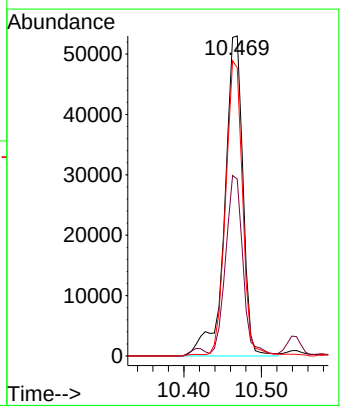
Supervised By :mohammad ahmed 08/13/2024

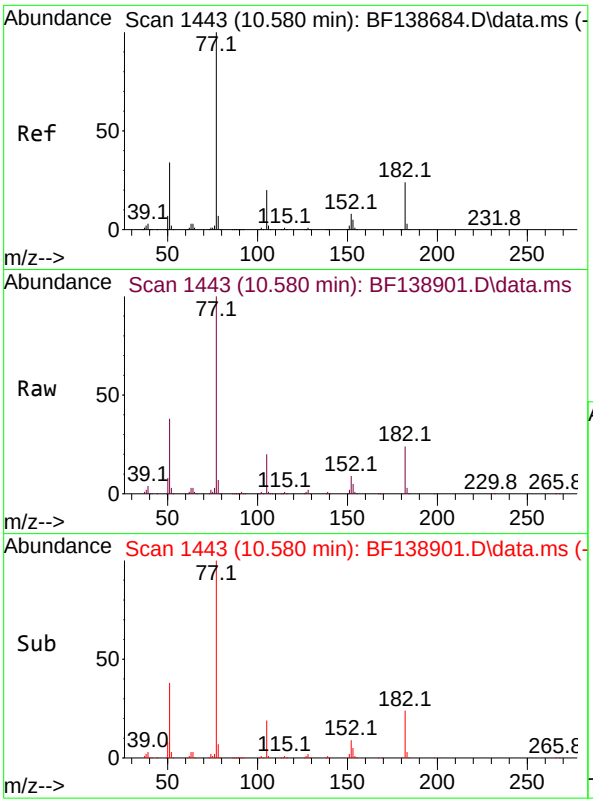


#62
4-Nitroaniline
Concen: 41.796 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.018 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:138 Resp: 86663

Ion	Ratio	Lower	Upper
138	100		
92	55.3	34.2	74.2
108	90.0	56.2	96.2

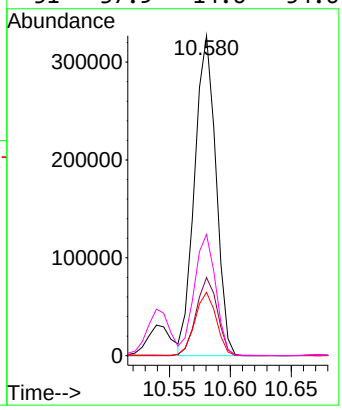




#63
Azobenzene
Concen: 40.554 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 77 Resp: 39884

Ion	Ratio	Lower	Upper
77	100		
182	24.4	3.4	43.4
105	19.8	0.2	40.2
51	37.9	14.6	54.6



Instrument :
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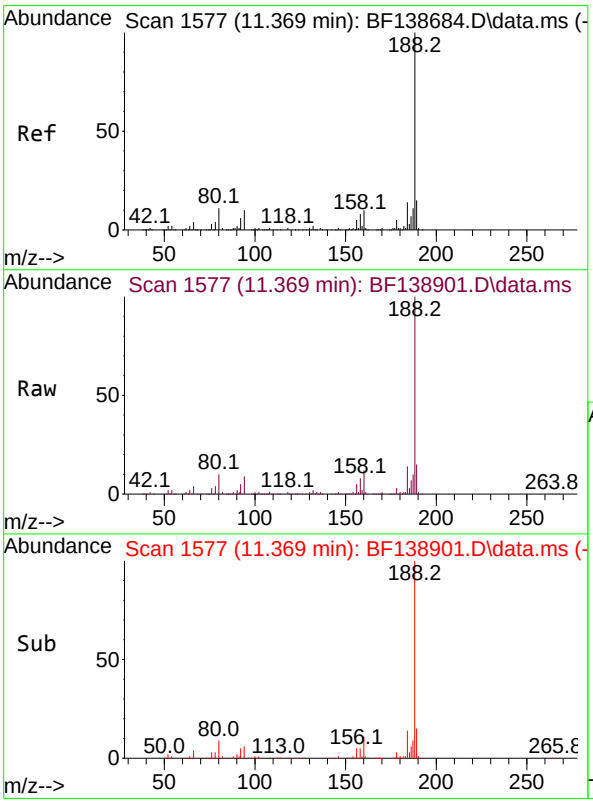
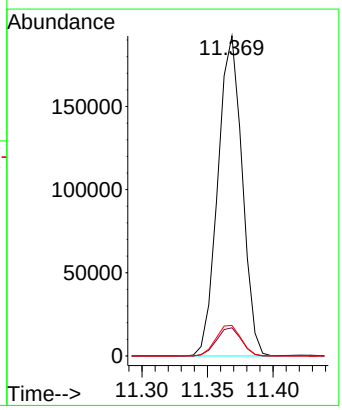
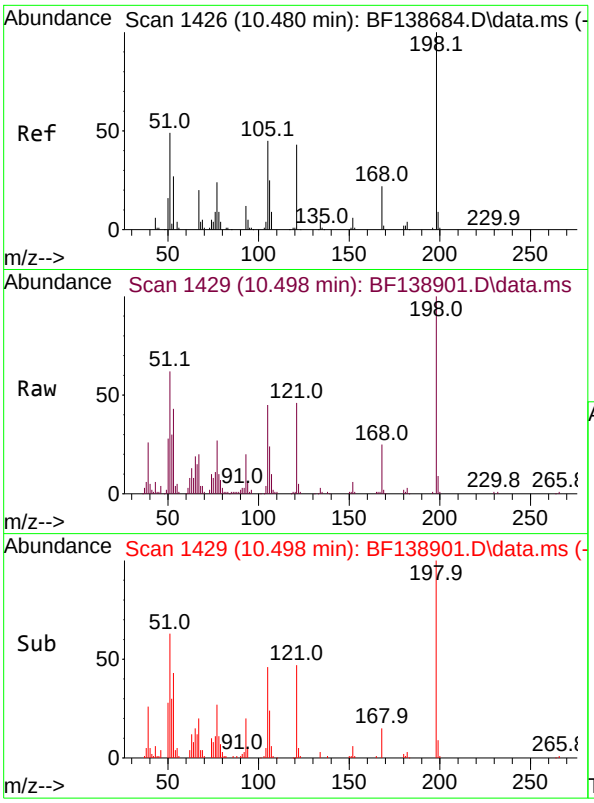


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:188 Resp: 247933

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	9.6	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 42.064 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.018 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:198 Resp: 6362

Ion	Ratio	Lower	Upper
198	100		
51	61.5	39.9	79.9
105	44.6	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
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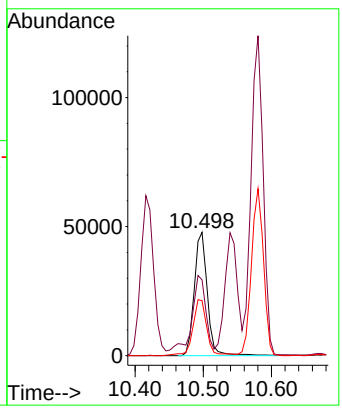
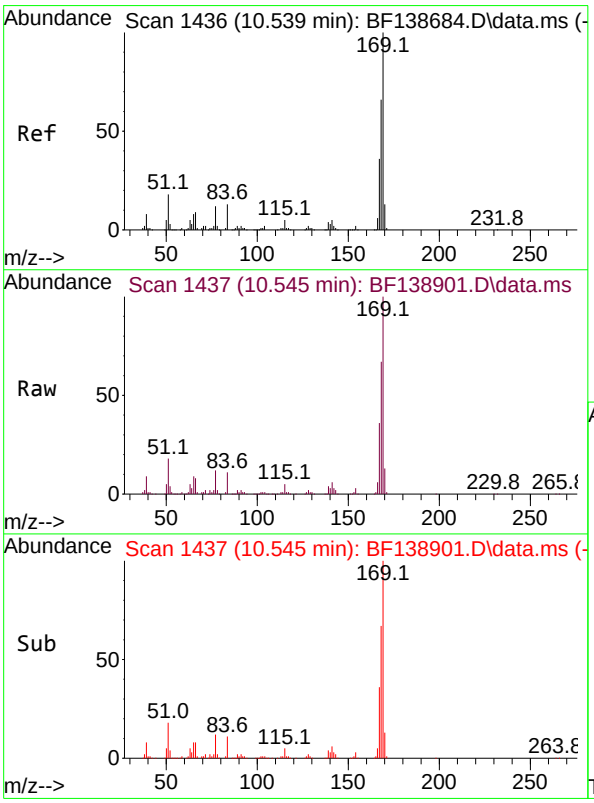
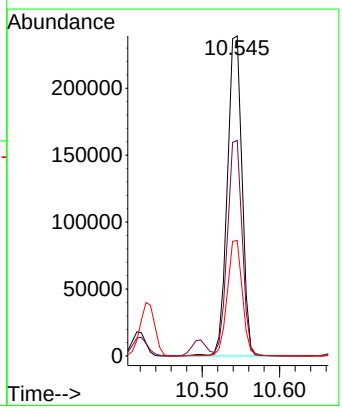


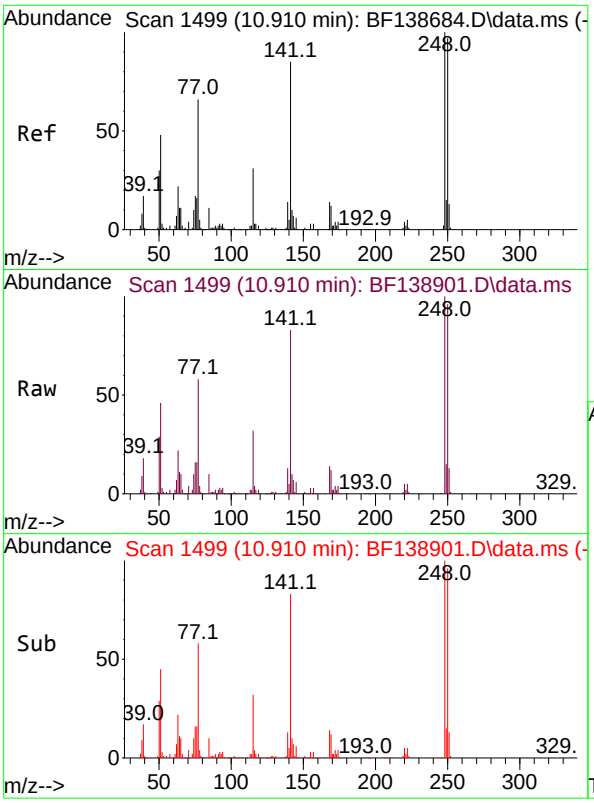


#66
n-Nitrosodiphenylamine
Concen: 40.760 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:169 Resp: 315882

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.1	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 41.631 ng
RT: 10.910 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:248 Resp: 11175

Ion	Ratio	Lower	Upper
248	100		
250	95.8	77.7	116.5
141	82.8	68.0	102.0

Instrument :
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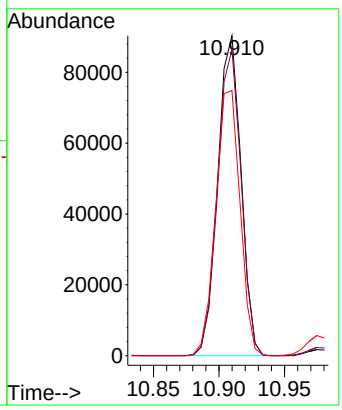
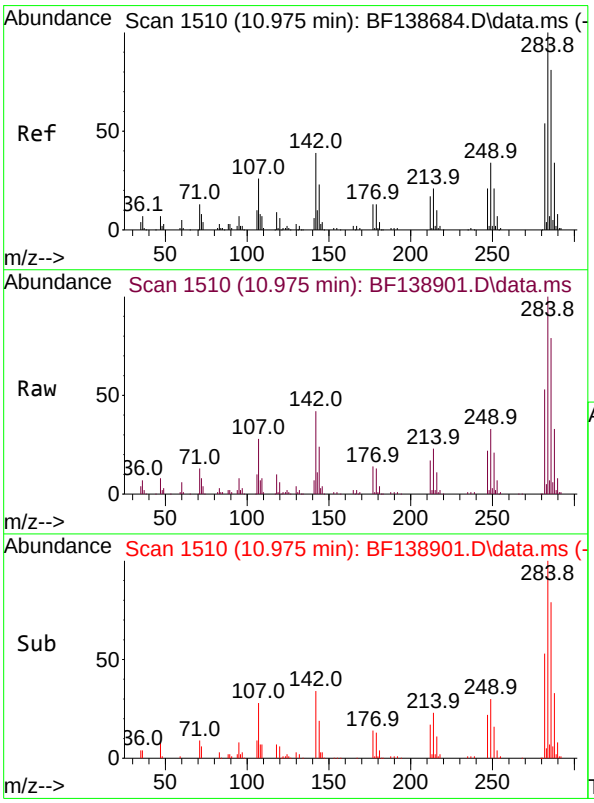
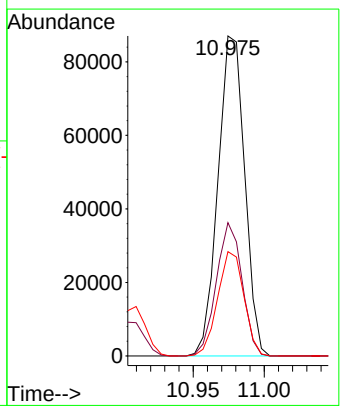


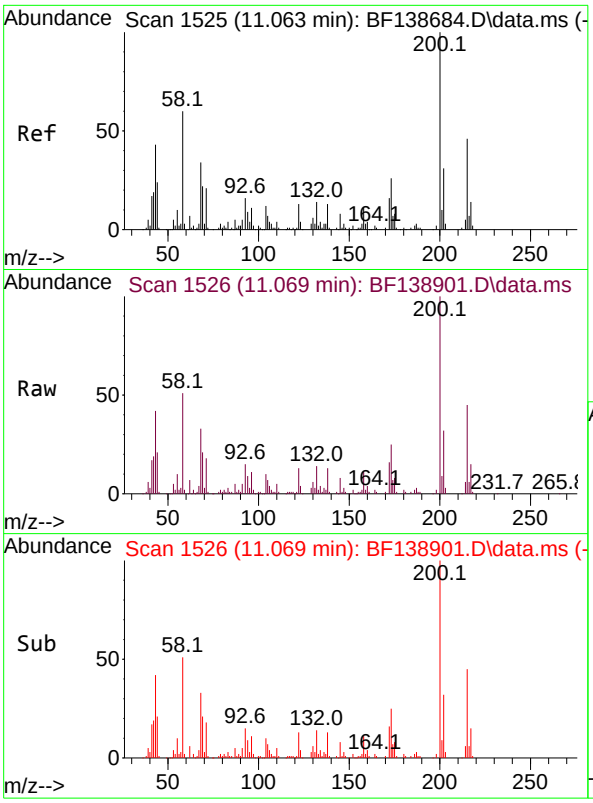


#68
Hexachlorobenzene
Concen: 41.012 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:284 Resp: 113668

Ion	Ratio	Lower	Upper
284	100		
142	41.6	31.3	46.9
249	32.6	27.2	40.8

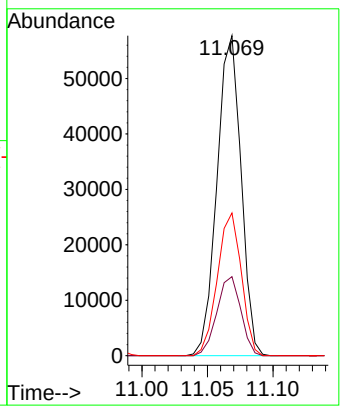




#69
Atrazine
Concen: 36.784 ng
RT: 11.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:200 Resp: 7354

Ion	Ratio	Lower	Upper
200	100		
173	24.7	6.0	46.0
215	44.6	26.1	66.1



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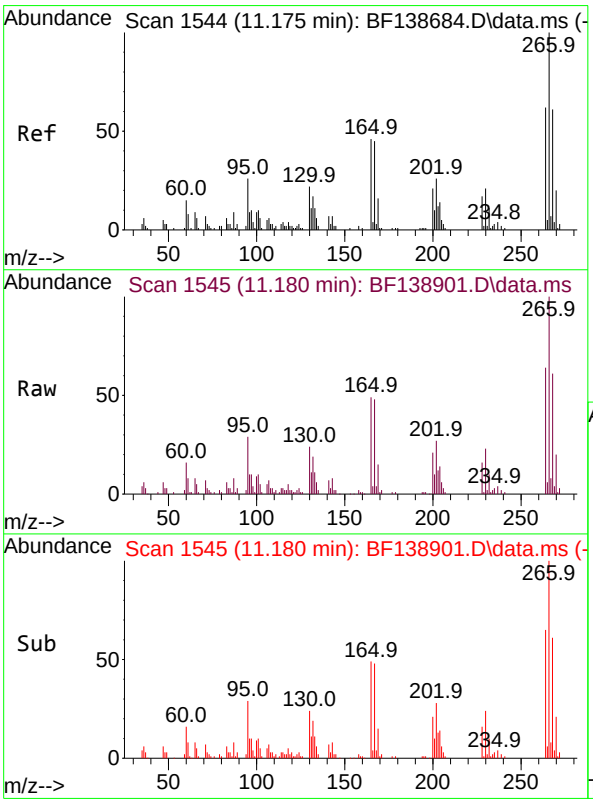
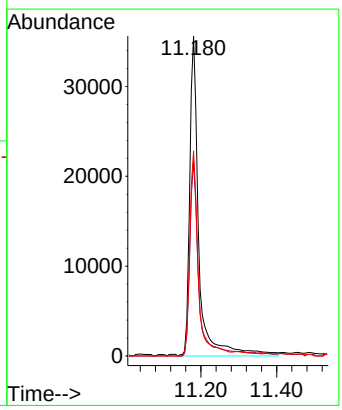
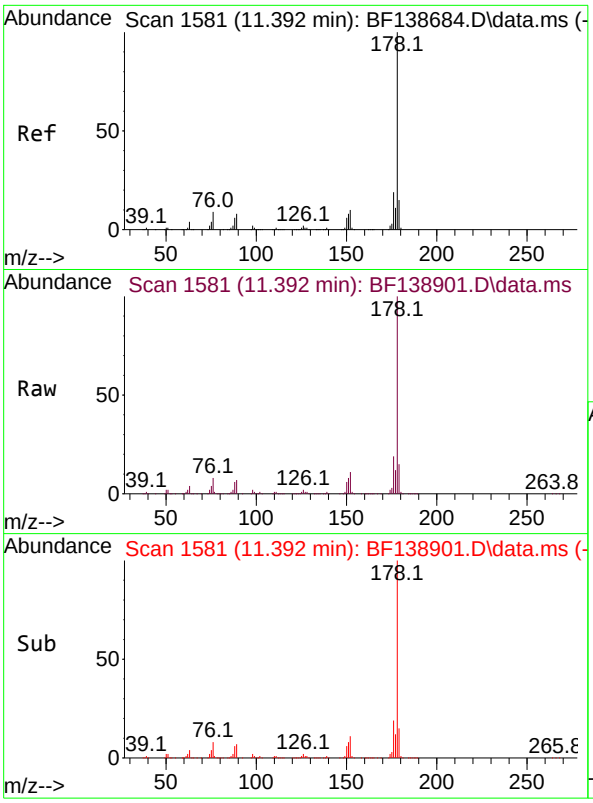


#70
Pentachlorophenol
Concen: 48.183 ng
RT: 11.180 min Scan# 1545
Delta R.T. 0.005 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:266 Resp: 60194

Ion	Ratio	Lower	Upper
266	100		
268	60.9	49.2	73.8
264	64.1	49.8	74.6

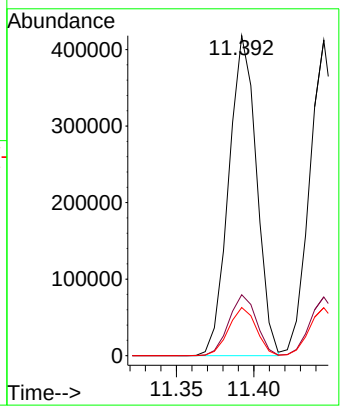




#71
Phenanthrene
Concen: 40.816 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:178 Resp: 52108

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.1	12.2	18.2



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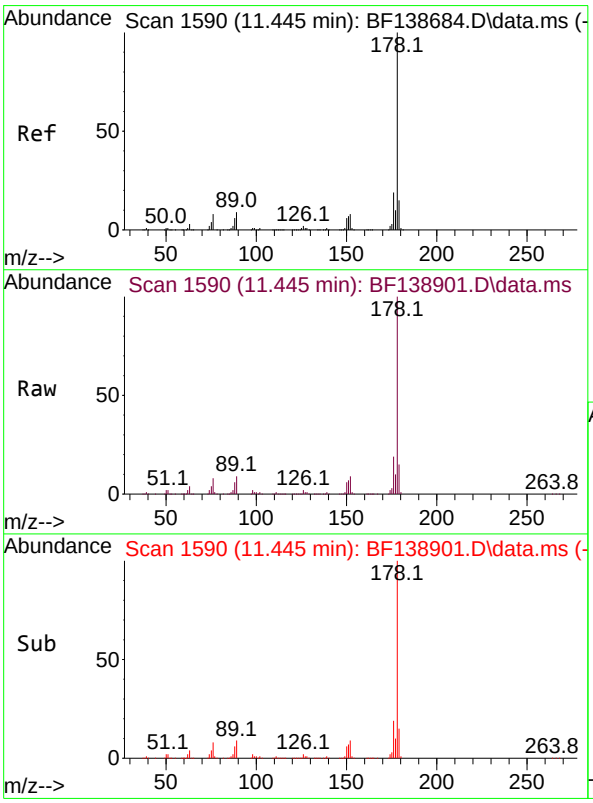
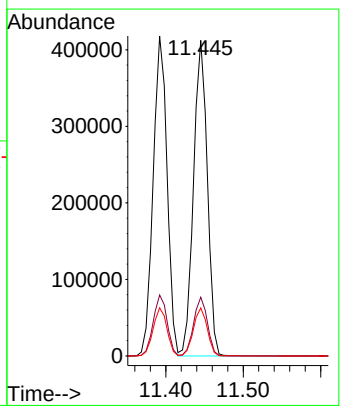
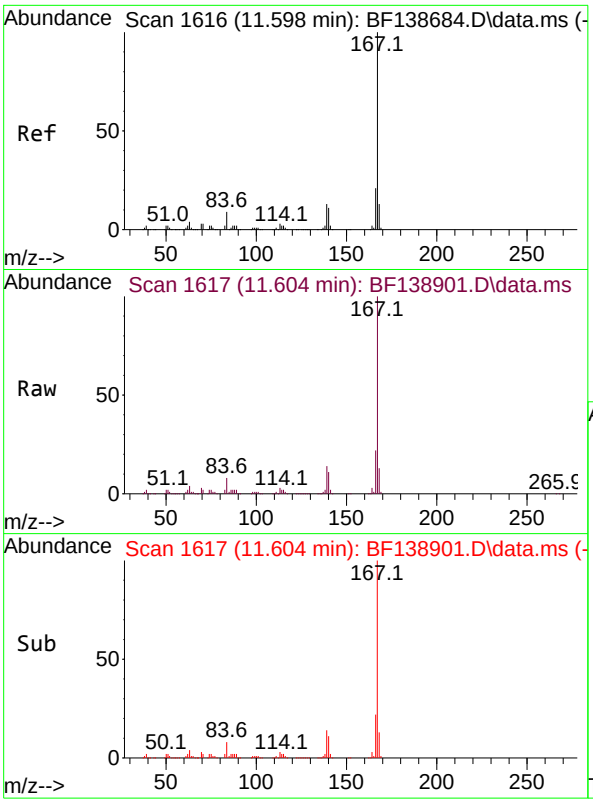


#72
Anthracene
Concen: 40.562 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:178 Resp: 510139

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.2	12.4	18.6

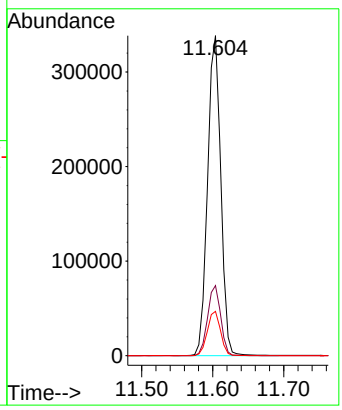




#73
Carbazole
Concen: 40.357 ng
RT: 11.604 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:167 Resp: 43789

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	13.8	10.6	16.0



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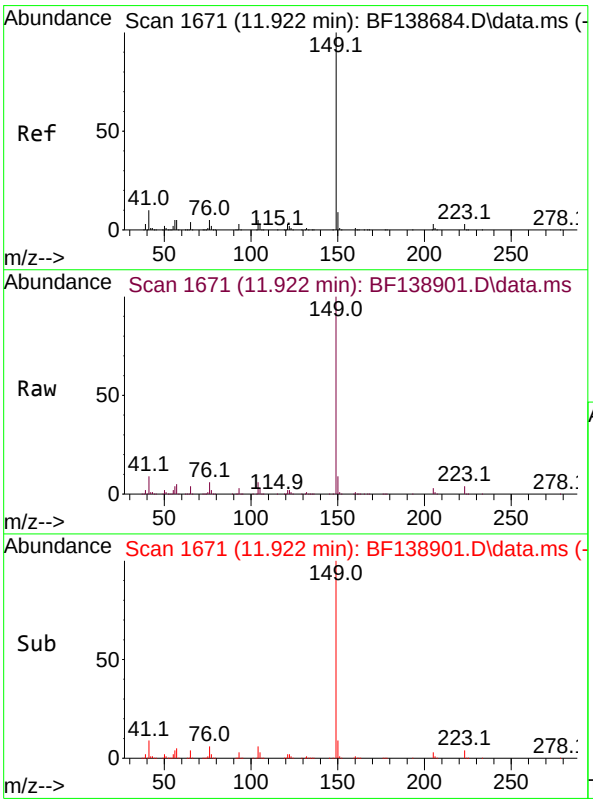
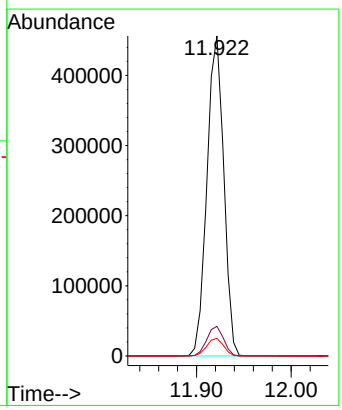
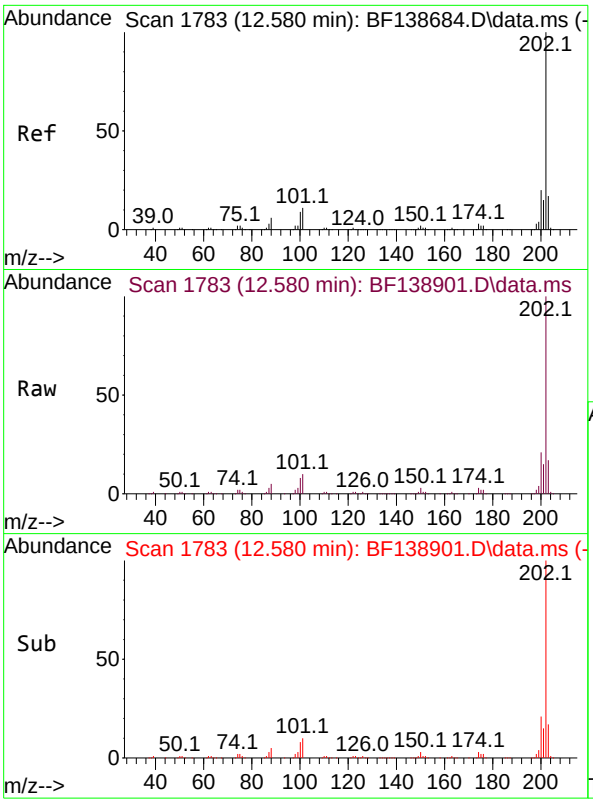


#74
Di-n-butylphthalate
Concen: 45.963 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:149 Resp: 560651

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.5	4.1	6.1

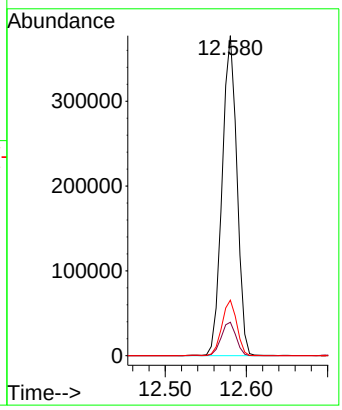




#75
Fluoranthene
Concen: 40.307 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:202 Resp: 48039

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.2
203	17.3	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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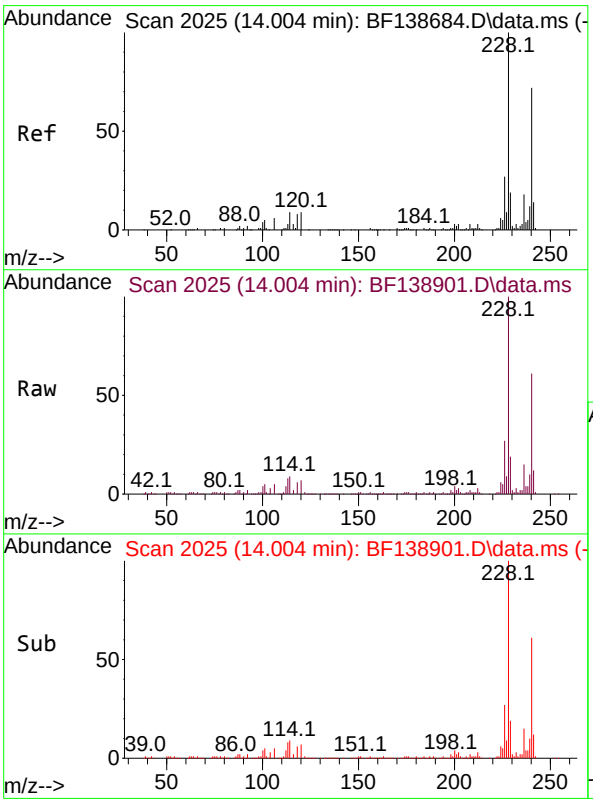
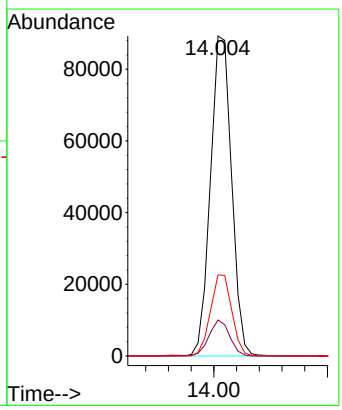
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

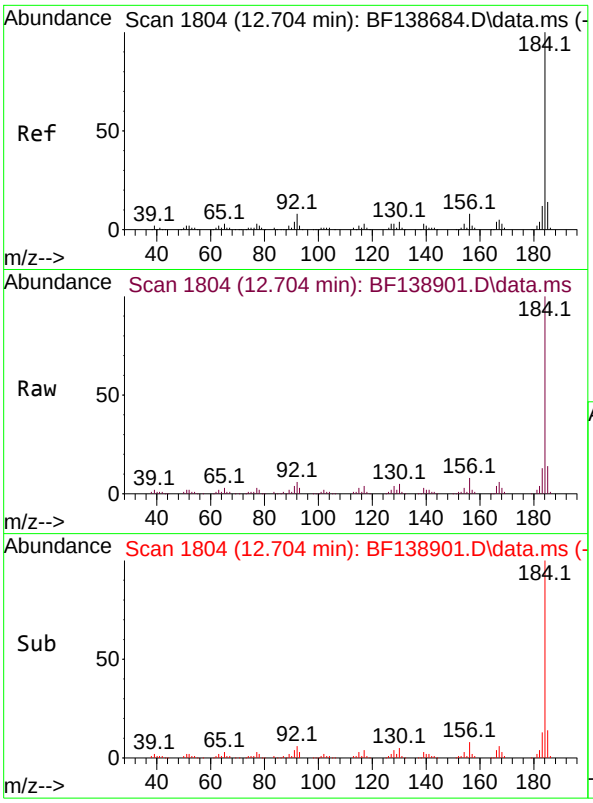


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:240 Resp: 115525

Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.2	15.4
236	25.3	19.8	29.8

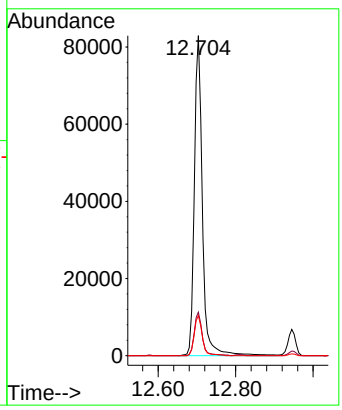




#77
Benzidine
Concen: 43.325 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:184 Resp: 11971

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.1	16.7
183	12.5	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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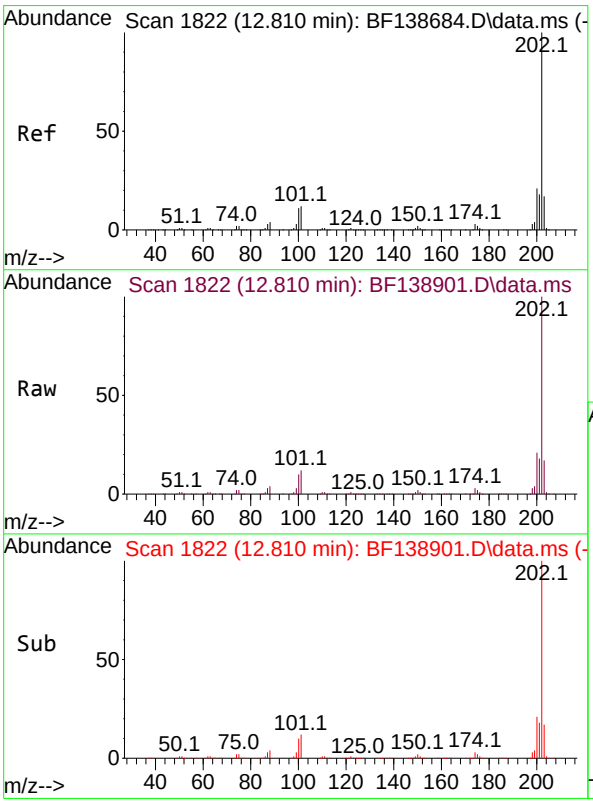
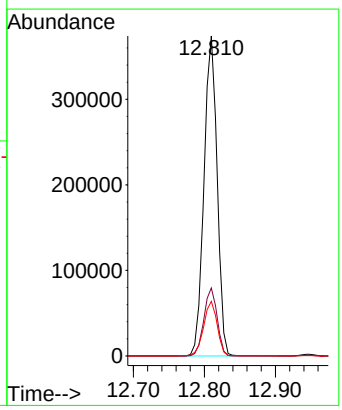
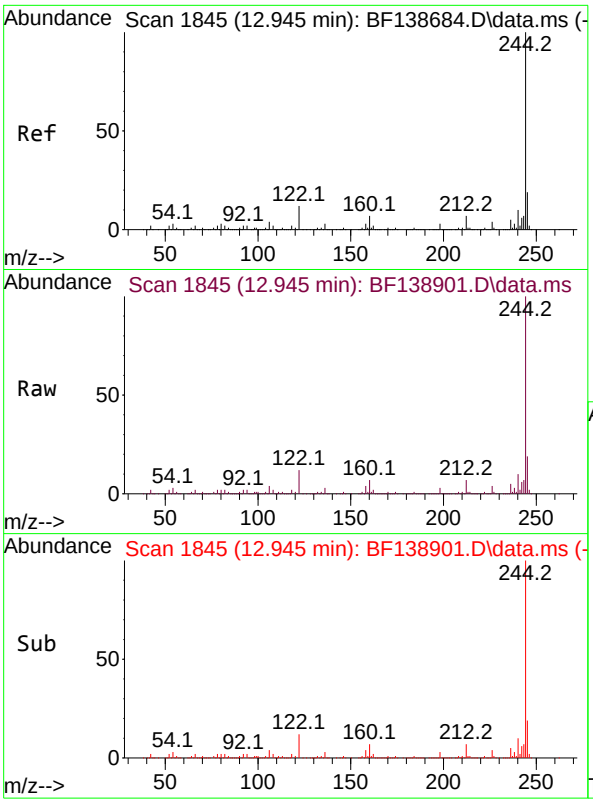


#78
Pyrene
Concen: 44.353 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:202 Resp: 482435

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.1	13.8	20.6

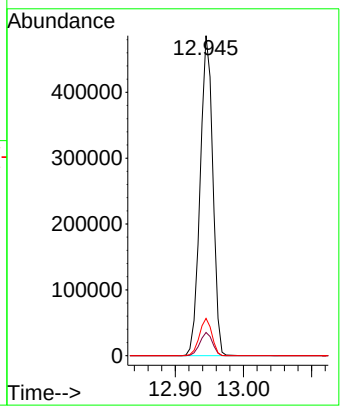




#79
Terphenyl-d14
Concen: 91.112 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:244 Resp: 62867

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	11.6	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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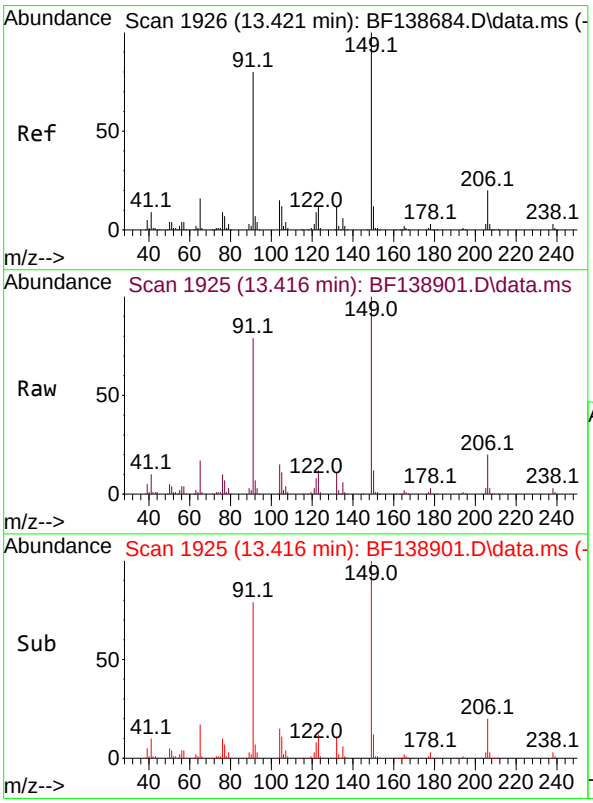
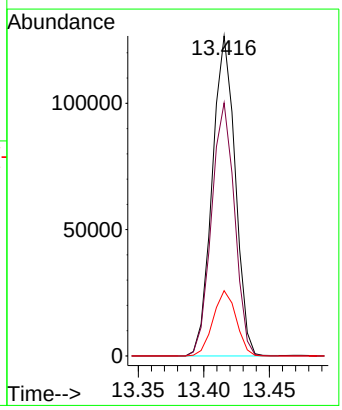
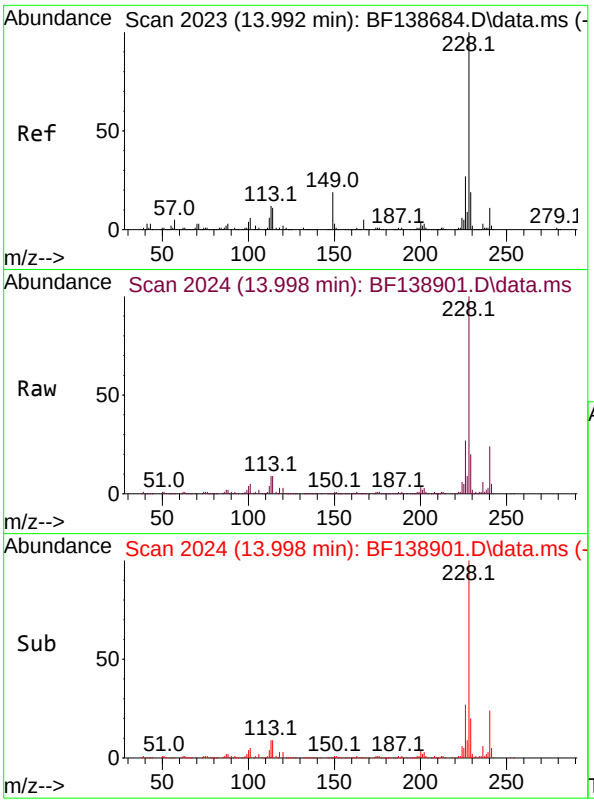


#80
Butylbenzylphthalate
Concen: 44.312 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:149 Resp: 154344

Ion	Ratio	Lower	Upper
149	100		
91	79.1	63.7	95.5
206	20.4	16.2	24.2

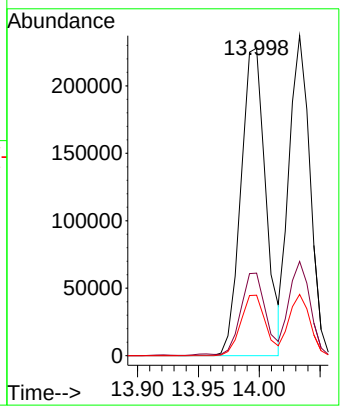




#81
Benzo(a)anthracene
Concen: 40.721 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:228 Resp: 32395

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.1	33.1
229	19.7	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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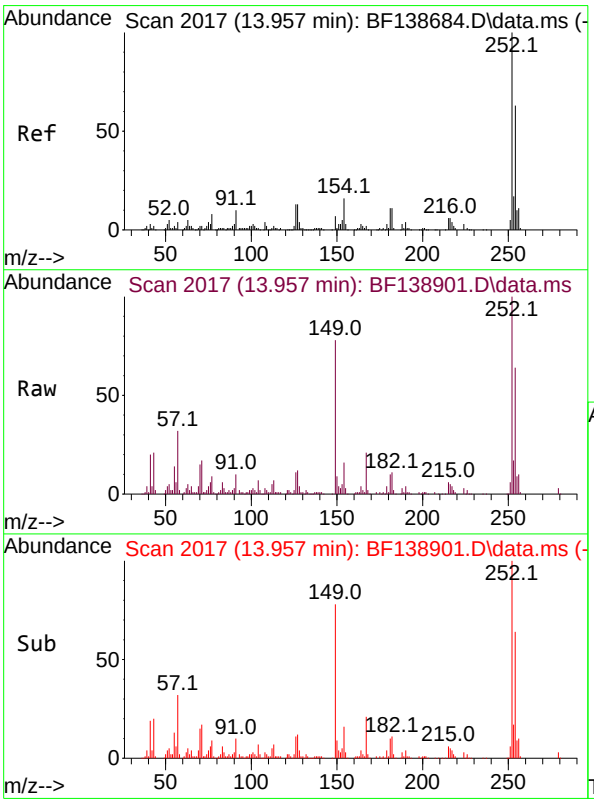
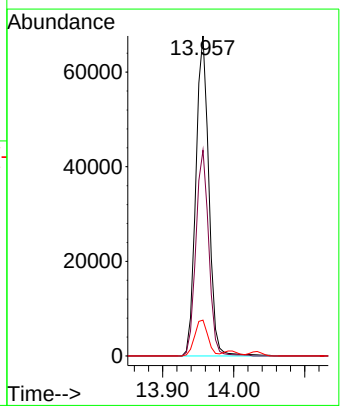
Supervised By :mohammad ahmed 08/13/2024

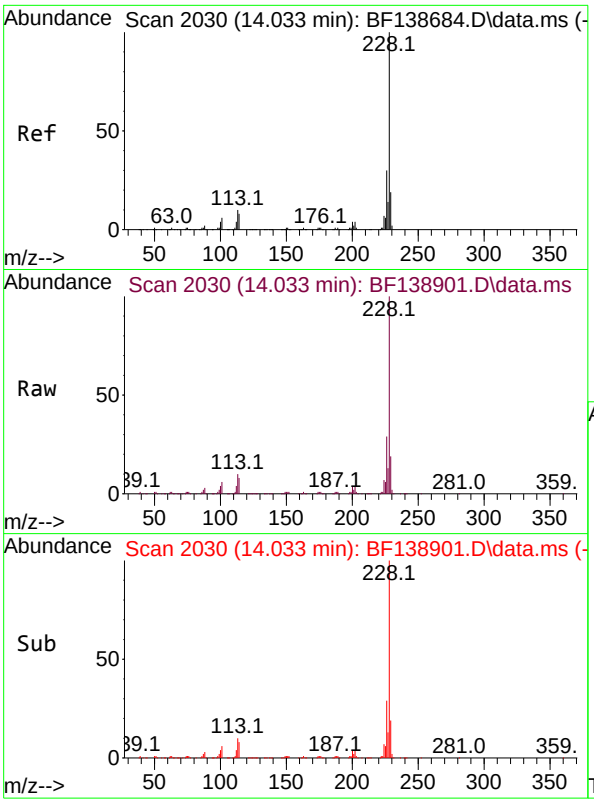


#82
3,3'-Dichlorobenzidine
Concen: 42.286 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:252 Resp: 86086

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.8	76.2
126	11.2	10.2	15.2

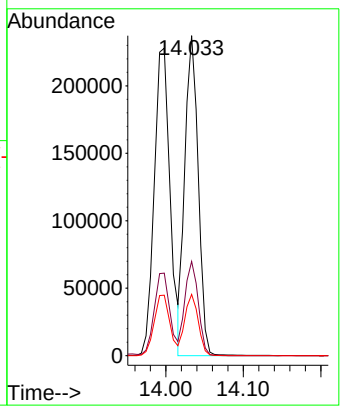




#83
Chrysene
Concen: 39.786 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:228 Resp: 28555

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

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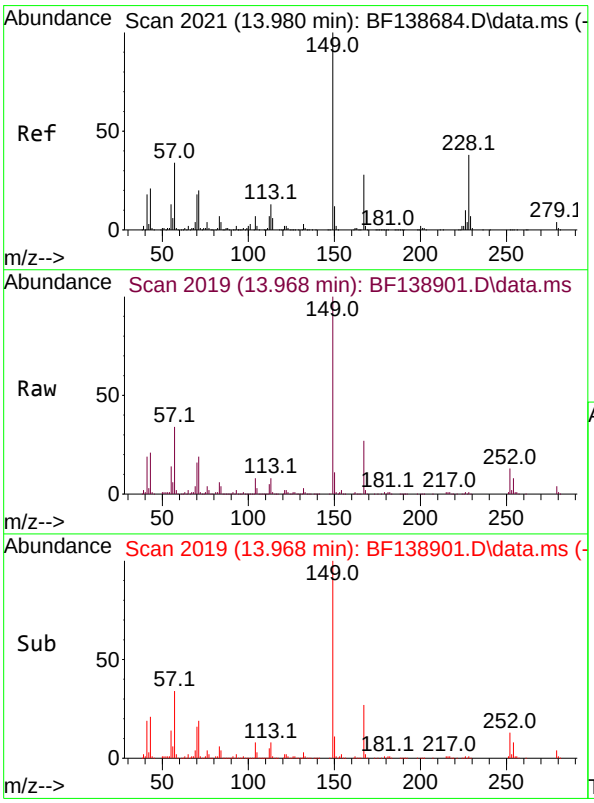
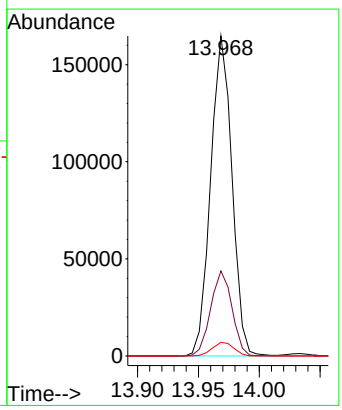
Supervised By :mohammad ahmed 08/13/2024

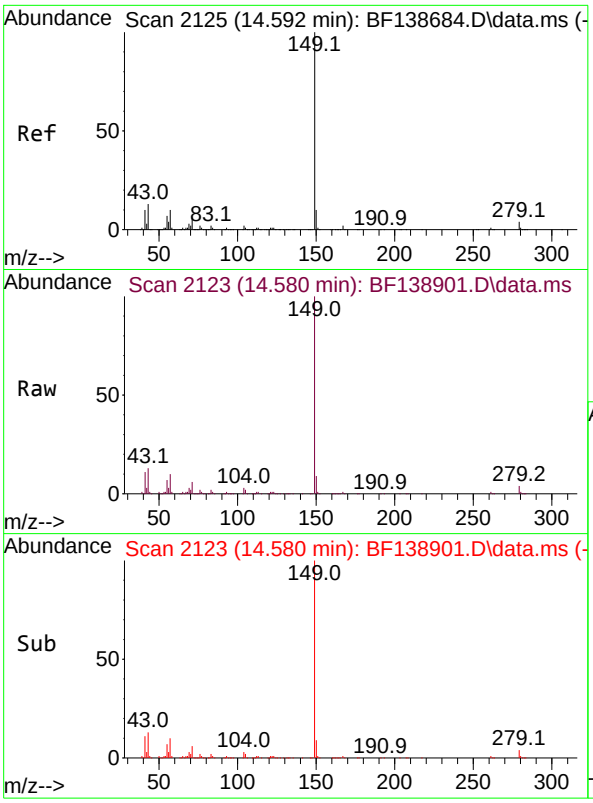


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.440 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:149 Resp: 201163

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.2	33.4
279	4.2	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 37.255 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:149 Resp: 35156

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	12.9	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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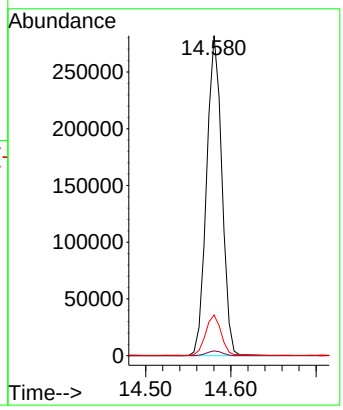
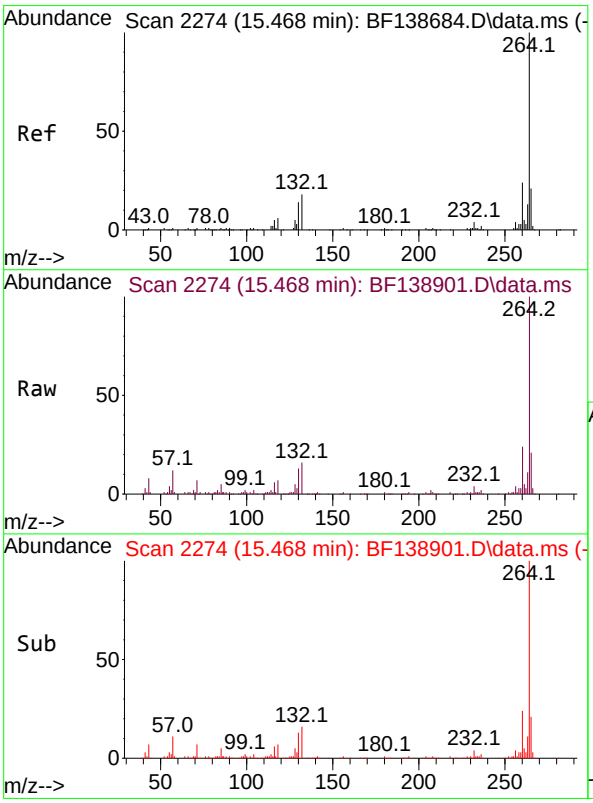
Supervised By :mohammad ahmed 08/13/2024

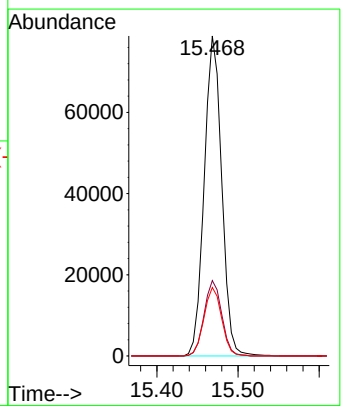


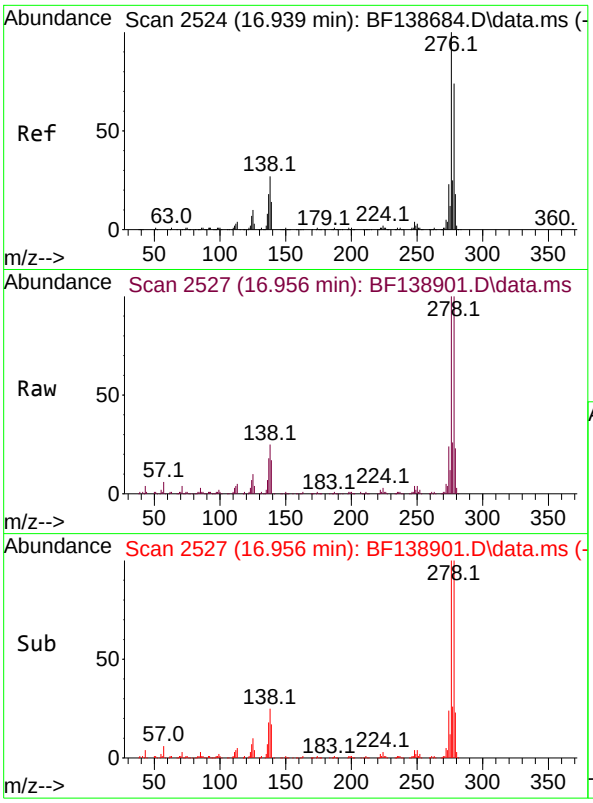


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:264 Resp: 117822

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.4	17.0	25.6

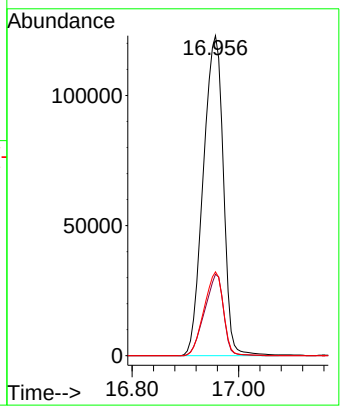




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.033 ng
RT: 16.956 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:276 Resp: 32113

Ion	Ratio	Lower	Upper
276	100		
138	24.0	21.8	32.8
277	25.2	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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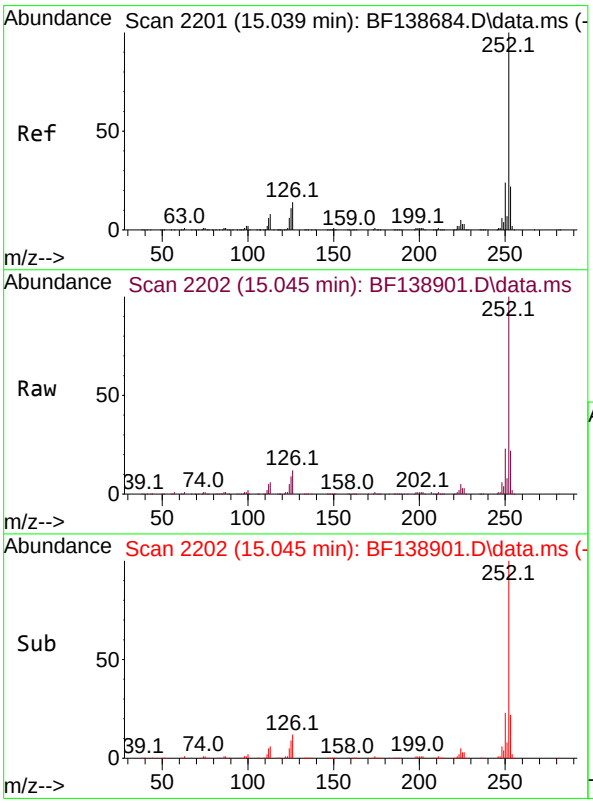
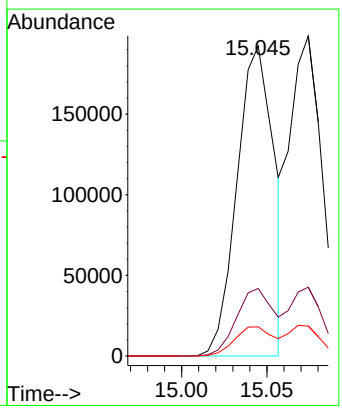
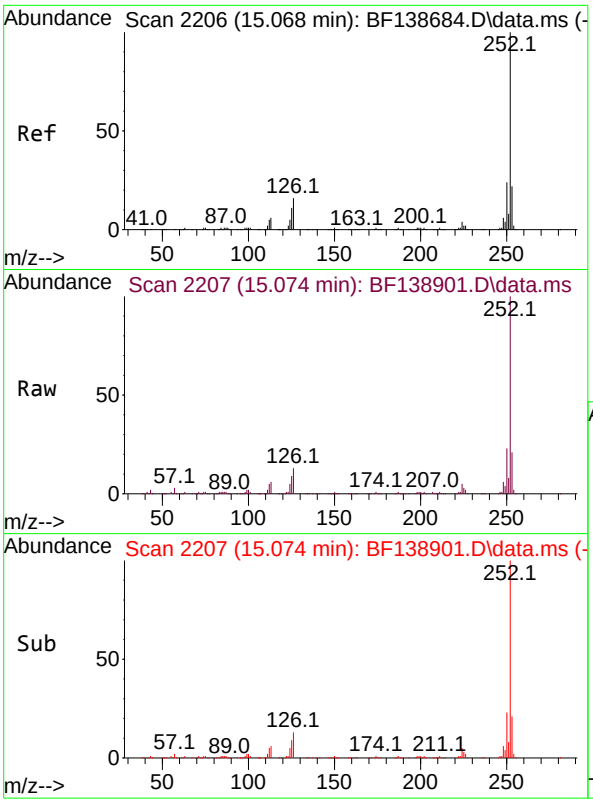


#88
Benzo(b)fluoranthene
Concen: 39.582 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:252 Resp: 289097

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.4	8.9	13.3

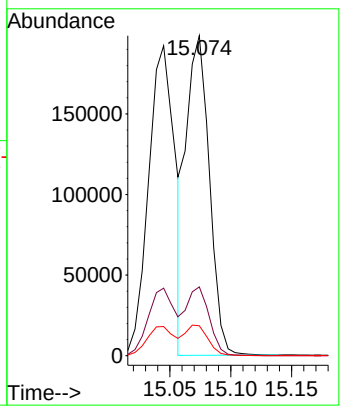




#89
Benzo(k)fluoranthene
Concen: 41.500 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:252 Resp: 26243

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	9.4	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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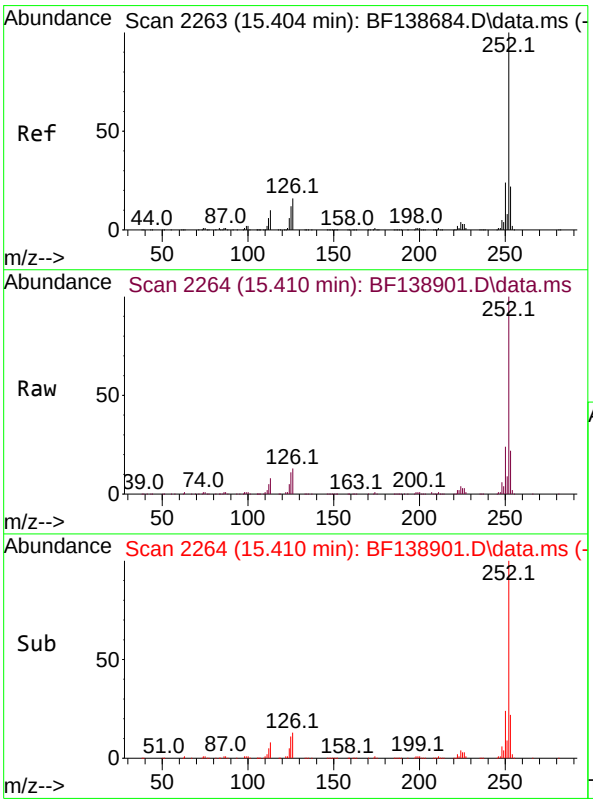
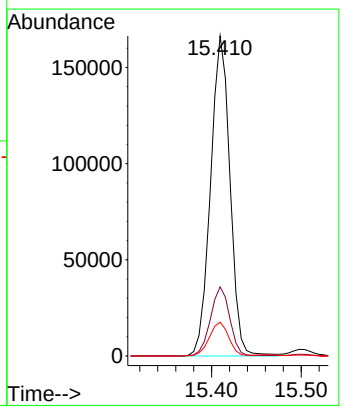
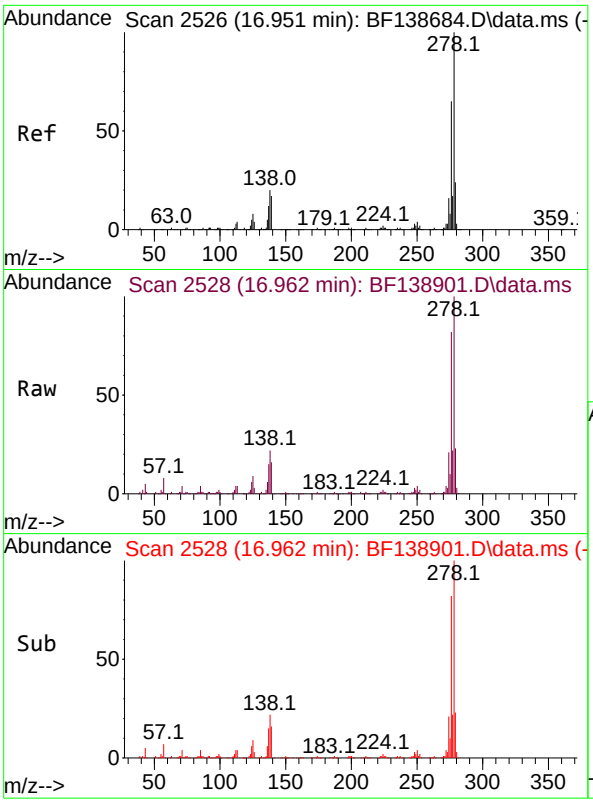


#90
Benzo(a)pyrene
Concen: 40.704 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:252 Resp: 250070

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	10.6	9.5	14.3

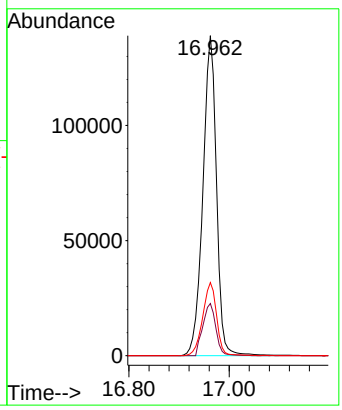




#91
Dibenzo(a,h)anthracene
Concen: 37.829 ng
RT: 16.962 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:278 Resp: 26219

Ion	Ratio	Lower	Upper
278	100		
139	16.3	14.0	21.0
279	22.8	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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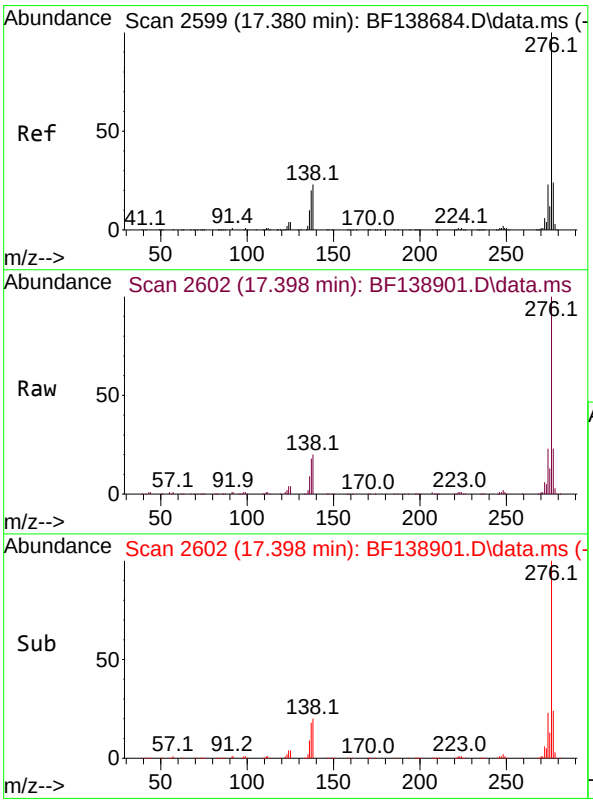
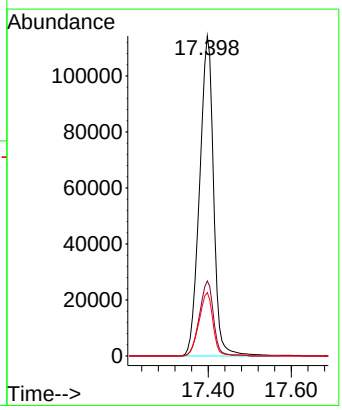
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#92
Benzo(g,h,i)perylene
Concen: 37.138 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:276 Resp: 267113

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	19.8	18.5	27.7



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Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 01:11:36 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	0.483	14.8	73	0.02
3		Pyridine	1.374	1.245	9.4	79	0.02
4		n-Nitrosodimethylamine	0.818	0.889	-8.7	95	0.05
5	S	2-Fluorophenol	1.296	1.267	2.2	87	0.00
6		Aniline	1.551	1.536	1.0	87	0.00
7	S	Phenol-d6	1.740	1.736	0.2	90	0.00
8		2-Chlorophenol	1.363	1.389	-1.9	91	0.00
9		Benzaldehyde	1.043	0.916	12.2	88	0.00
10	C	Phenol	1.832	1.820	0.7	89	0.01
11		bis(2-Chloroethyl)ether	1.409	1.327	5.8	85	0.00
12		1,3-Dichlorobenzene	1.526	1.520	0.4	90	0.00
13	C	1,4-Dichlorobenzene	1.540	1.554	-0.9	91	0.00
14		1,2-Dichlorobenzene	1.439	1.491	-3.6	92	0.00
15		Benzyl Alcohol	1.254	1.356	-8.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.186	9.9	81	0.00
17		2-Methylphenol	1.126	1.130	-0.4	89	0.00
18		Hexachloroethane	0.580	0.601	-3.6	92	0.00
19	P	n-Nitroso-di-n-propylamine	1.051	1.110	-5.6	98	0.00
20		3+4-Methylphenols	1.444	1.532	-6.1	98	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00
22		Acetophenone	0.490	0.511	-4.3	97	0.00
23	S	Nitrobenzene-d5	0.409	0.425	-3.9	96	0.00
24		Nitrobenzene	0.416	0.425	-2.2	94	0.00
25		Isophorone	0.699	0.702	-0.4	95	0.00
26	C	2-Nitrophenol	0.179	0.184	-2.8	92	0.00
27		2,4-Dimethylphenol	0.214	0.216	-0.9	93	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.416	2.1	91	0.00
29	C	2,4-Dichlorophenol	0.275	0.287	-4.4	96	0.00
30		1,2,4-Trichlorobenzene	0.318	0.328	-3.1	95	0.00
31		Naphthalene	1.053	1.059	-0.6	93	0.00
32		Benzoic acid	0.168	0.143	14.9	79	0.05
33		4-Chloroaniline	0.353	0.327	7.4	87	0.00
34	C	Hexachlorobutadiene	0.192	0.208	-8.3	101	0.00
35		Caprolactam	0.082	0.088	-7.3	104	0.03
36	C	4-Chloro-3-methylphenol	0.315	0.337	-7.0	101	0.01
37		2-Methylnaphthalene	0.665	0.691	-3.9	98	0.00
38		1-Methylnaphthalene	0.652	0.672	-3.1	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.556	0.570	-2.5	103	0.00
41	P	Hexachlorocyclopentadiene	0.120	0.164	-36.7#	128	0.00
42	S	2,4,6-Tribromophenol	0.164	0.177	-7.9	111	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.337	0.6	100	0.00
44		2,4,5-Trichlorophenol	0.370	0.377	-1.9	102	0.01
45	S	2-Fluorobiphenyl	1.331	1.376	-3.4	105	0.00
46		1,1'-Biphenyl	1.566	1.559	0.4	101	0.00
47		2-Chloronaphthalene	1.165	1.167	-0.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 01:11:36 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	0.408	-3.3	104	0.00
49		Acenaphthylene	1.652	1.642	0.6	100	0.00
50		Dimethylphthalate	1.279	1.355	-5.9	110	0.00
51		2,6-Dinitrotoluene	0.289	0.309	-6.9	107	0.00
52	C	Acenaphthene	1.111	1.104	0.6	102	0.00
53		3-Nitroaniline	0.298	0.298	0.0	103	0.00
54	P	2,4-Dinitrophenol	0.133	0.153	-15.0	120	0.01
55		Dibenzofuran	1.568	1.590	-1.4	104	0.00
56	P	4-Nitrophenol	0.179	0.193	-7.8	110	0.02
57		2,4-Dinitrotoluene	0.368	0.405	-10.1	111	0.01
58		Fluorene	1.249	1.309	-4.8	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.291	-2.8	106	0.00
60		Diethylphthalate	1.213	1.342	-10.6	116	0.00
61		4-Chlorophenyl-phenylether	0.614	0.659	-7.3	111	0.00
62		4-Nitroaniline	0.284	0.296	-4.2	108	0.02
63		Azobenzene	1.345	1.363	-1.3	104	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.122	0.128	-4.9	112	0.02
66	c	n-Nitrosodiphenylamine	0.625	0.637	-1.9	110	0.00
67		4-Bromophenyl-phenylether	0.217	0.225	-3.7	113	0.00
68		Hexachlorobenzene	0.224	0.229	-2.2	114	0.00
69		Atrazine	0.161	0.148	8.1	99	0.00
70	C	Pentachlorophenol	0.101	0.121	-19.8	130	0.00
71		Phenanthrene	1.030	1.051	-2.0	112	0.00
72		Anthracene	1.015	1.029	-1.4	112	0.00
73		Carbazole	0.875	0.883	-0.9	111	0.00
74		Di-n-butylphthalate	0.984	1.131	-14.9	124	0.00
75	C	Fluoranthene	0.961	0.969	-0.8	109	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.478	0.518	-8.4	89	0.00
78		Pyrene	1.883	2.088	-10.9	109	0.00
79	S	Terphenyl-d14	1.195	1.360	-13.8	113	0.00
80		Butylbenzylphthalate	0.603	0.668	-10.8	98	0.00
81		Benzo(a)anthracene	1.377	1.402	-1.8	92	0.00
82		3,3'-Dichlorobenzidine	0.352	0.373	-6.0	95	0.00
83		Chrysene	1.243	1.236	0.6	93	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.871	1.4	84	-0.01
85	c	Di-n-octyl phthalate	1.634	1.522	6.9	80	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	78	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.363	4.9	76	0.02
88		Benzo(b)fluoranthene	1.240	1.227	1.0	78	0.00
89		Benzo(k)fluoranthene	1.073	1.114	-3.8	86	0.00
90	C	Benzo(a)pyrene	1.043	1.061	-1.7	81	0.00
91		Dibenzo(a,h)anthracene	1.177	1.113	5.4	76	0.01
92		Benzo(g,h,i)perylene	1.221	1.134	7.1	74	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 01:11:36 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
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Quant Time: Aug 12 01:11:36 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	34.071	14.8	73	0.02
3		Pyridine	40.000	36.250	9.4	79	0.02
4		n-Nitrosodimethylamine	40.000	43.453	-8.6	95	0.05
5	S	2-Fluorophenol	80.000	78.231	2.2	87	0.00
6		Aniline	40.000	39.613	1.0	87	0.00
7	S	Phenol-d6	80.000	79.839	0.2	90	0.00
8		2-Chlorophenol	40.000	40.753	-1.9	91	0.00
9		Benzaldehyde	40.000	35.120	12.2	88	0.00
10	C	Phenol	40.000	39.743	0.6	89	0.01
11		bis(2-Chloroethyl)ether	40.000	37.658	5.9	85	0.00
12		1,3-Dichlorobenzene	40.000	39.842	0.4	90	0.00
13	C	1,4-Dichlorobenzene	40.000	40.356	-0.9	91	0.00
14		1,2-Dichlorobenzene	40.000	41.442	-3.6	92	0.00
15		Benzyl Alcohol	40.000	43.260	-8.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.049	9.9	81	0.00
17		2-Methylphenol	40.000	40.163	-0.4	89	0.00
18		Hexachloroethane	40.000	41.486	-3.7	92	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.274	-5.7	98	0.00
20		3+4-Methylphenols	40.000	42.440	-6.1	98	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	92	0.00
22		Acetophenone	40.000	41.744	-4.4	97	0.00
23	S	Nitrobenzene-d5	80.000	83.191	-4.0	96	0.00
24		Nitrobenzene	40.000	40.822	-2.1	94	0.00
25		Isophorone	40.000	40.211	-0.5	95	0.00
26	C	2-Nitrophenol	40.000	41.134	-2.8	92	0.00
27		2,4-Dimethylphenol	40.000	40.261	-0.7	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.163	2.1	91	0.00
29	C	2,4-Dichlorophenol	40.000	41.631	-4.1	96	0.00
30		1,2,4-Trichlorobenzene	40.000	41.335	-3.3	95	0.00
31		Naphthalene	40.000	40.229	-0.6	93	0.00
32		Benzoic acid	40.000	33.892	15.3	79	0.05
33		4-Chloroaniline	40.000	36.967	7.6	87	0.00
34	C	Hexachlorobutadiene	40.000	43.255	-8.1	101	0.00
35		Caprolactam	40.000	42.813	-7.0	104	0.03
36	C	4-Chloro-3-methylphenol	40.000	42.827	-7.1	101	0.01
37		2-Methylnaphthalene	40.000	41.582	-4.0	98	0.00
38		1-Methylnaphthalene	40.000	41.263	-3.2	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.018	-2.5	103	0.00
41	P	Hexachlorocyclopentadiene	40.000	47.645	-19.1	128	0.00
42	S	2,4,6-Tribromophenol	80.000	86.555	-8.2	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.746	0.6	100	0.00
44		2,4,5-Trichlorophenol	40.000	40.677	-1.7	102	0.01
45	S	2-Fluorobiphenyl	80.000	82.684	-3.4	105	0.00
46		1,1'-Biphenyl	40.000	39.816	0.5	101	0.00
47		2-Chloronaphthalene	40.000	40.080	-0.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 01:11:36 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	41.277	-3.2	104	0.00
49		Acenaphthylene	40.000	39.744	0.6	100	0.00
50		Dimethylphthalate	40.000	42.377	-5.9	110	0.00
51		2,6-Dinitrotoluene	40.000	42.834	-7.1	107	0.00
52	C	Acenaphthene	40.000	39.769	0.6	102	0.00
53		3-Nitroaniline	40.000	39.908	0.2	103	0.00
54	P	2,4-Dinitrophenol	40.000	46.071	-15.2	120	0.01
55		Dibenzofuran	40.000	40.561	-1.4	104	0.00
56	P	4-Nitrophenol	40.000	43.021	-7.6	110	0.02
57		2,4-Dinitrotoluene	40.000	44.035	-10.1	111	0.01
58		Fluorene	40.000	41.948	-4.9	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.069	-2.7	106	0.00
60		Diethylphthalate	40.000	44.254	-10.6	116	0.00
61		4-Chlorophenyl-phenylether	40.000	42.898	-7.2	111	0.00
62		4-Nitroaniline	40.000	41.796	-4.5	108	0.02
63		Azobenzene	40.000	40.554	-1.4	104	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.064	-5.2	112	0.02
66	c	n-Nitrosodiphenylamine	40.000	40.760	-1.9	110	0.00
67		4-Bromophenyl-phenylether	40.000	41.631	-4.1	113	0.00
68		Hexachlorobenzene	40.000	41.012	-2.5	114	0.00
69		Atrazine	40.000	36.784	8.0	99	0.00
70	C	Pentachlorophenol	40.000	48.183	-20.5#	130	0.00
71		Phenanthrene	40.000	40.816	-2.0	112	0.00
72		Anthracene	40.000	40.562	-1.4	112	0.00
73		Carbazole	40.000	40.357	-0.9	111	0.00
74		Di-n-butylphthalate	40.000	45.963	-14.9	124	0.00
75	C	Fluoranthene	40.000	40.307	-0.8	109	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	43.325	-8.3	89	0.00
78		Pyrene	40.000	44.353	-10.9	109	0.00
79	S	Terphenyl-d14	80.000	91.112	-13.9	113	0.00
80		Butylbenzylphthalate	40.000	44.312	-10.8	98	0.00
81		Benzo(a)anthracene	40.000	40.721	-1.8	92	0.00
82		3,3'-Dichlorobenzidine	40.000	42.286	-5.7	95	0.00
83		Chrysene	40.000	39.786	0.5	93	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.440	1.4	84	-0.01
85	c	Di-n-octyl phthalate	40.000	37.255	6.9	80	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	78	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.033	4.9	76	0.02
88		Benzo(b)fluoranthene	40.000	39.582	1.0	78	0.00
89		Benzo(k)fluoranthene	40.000	41.500	-3.8	86	0.00
90	C	Benzo(a)pyrene	40.000	40.704	-1.8	81	0.00
91		Dibenzo(a,h)anthracene	40.000	37.829	5.4	76	0.01
92		Benzo(g,h,i)perylene	40.000	37.138	7.2	74	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 01:11:36 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 = 1

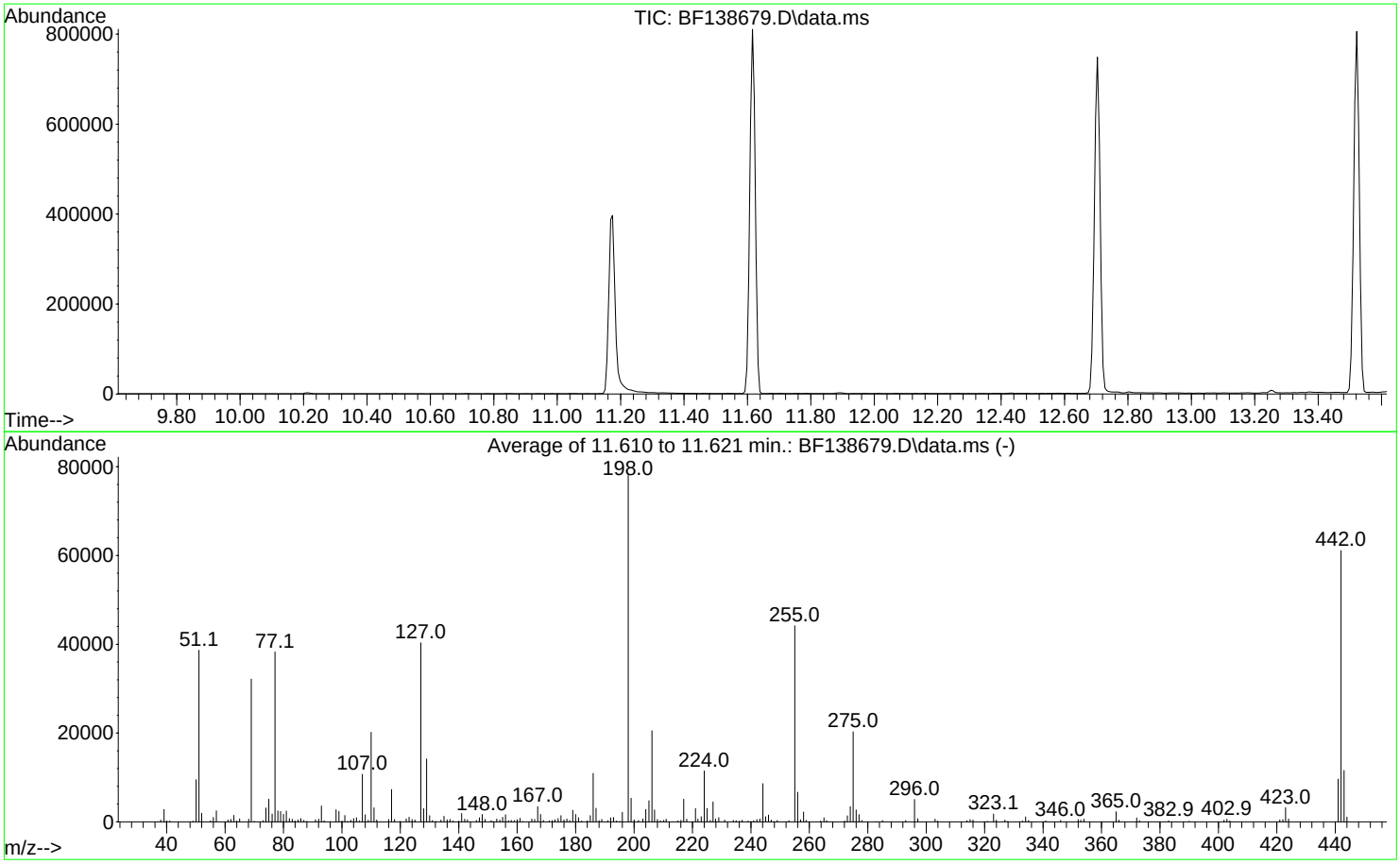
QC SAMPLE DATA

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

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
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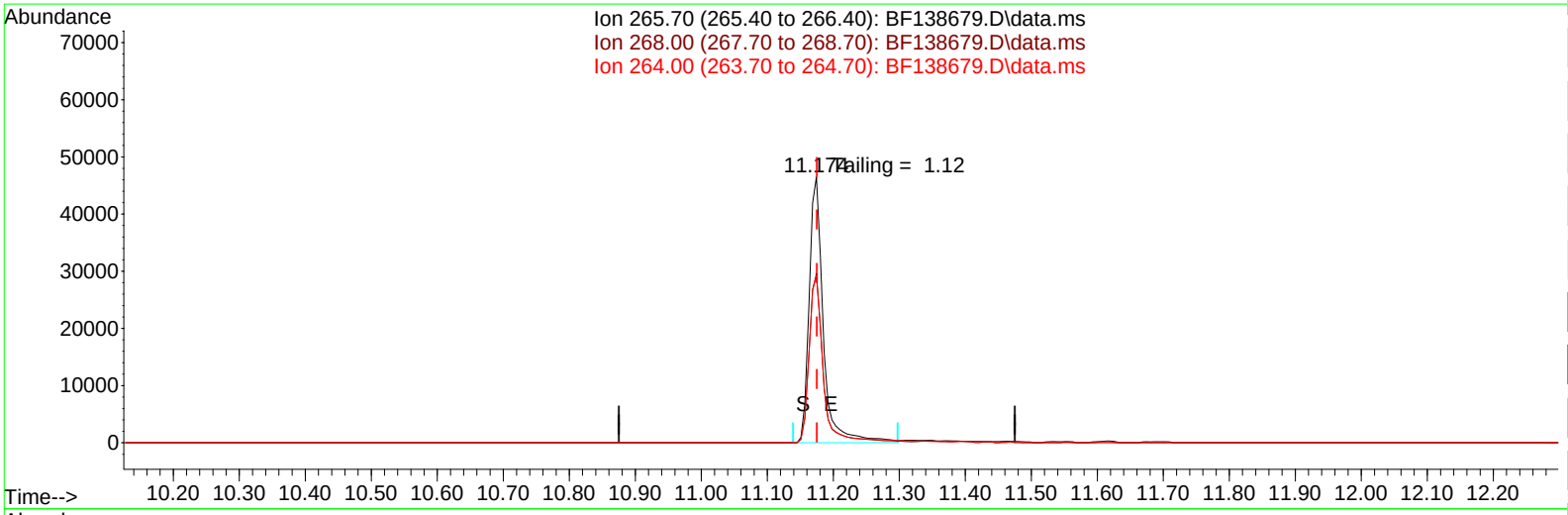
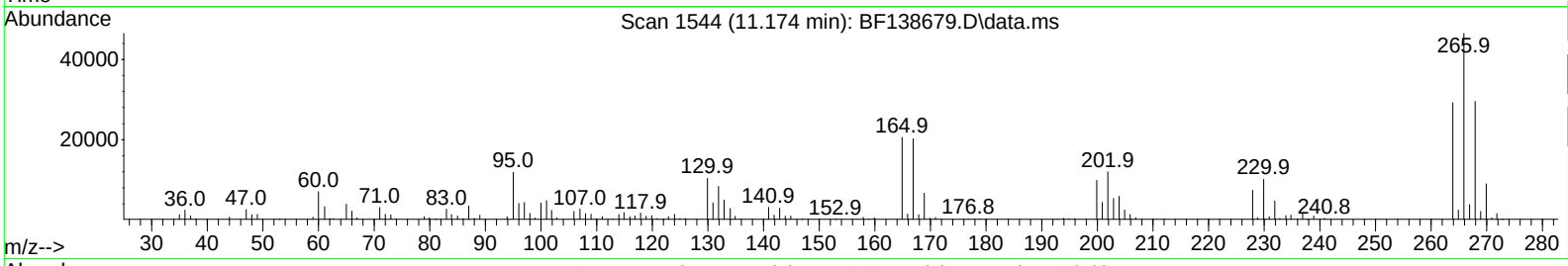
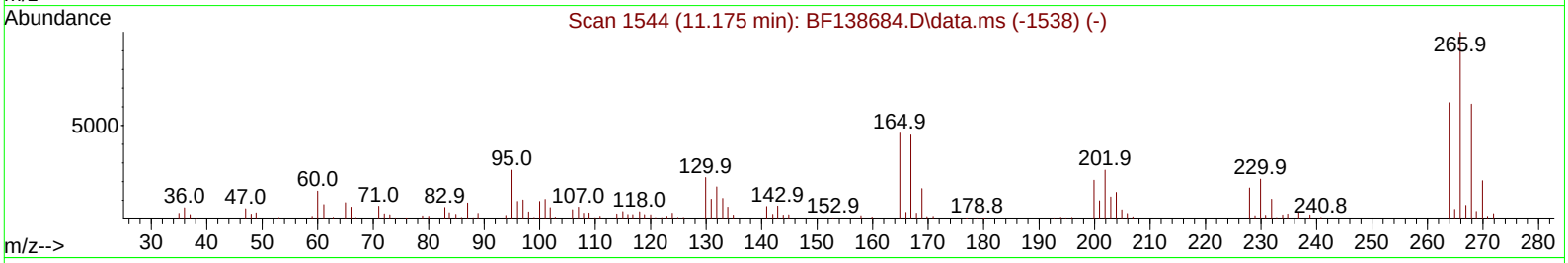






TIC: BF138679.D\data.ms

(70) Pentachlorophenol (C)

11.174min (-0.001) 37845.67 ng

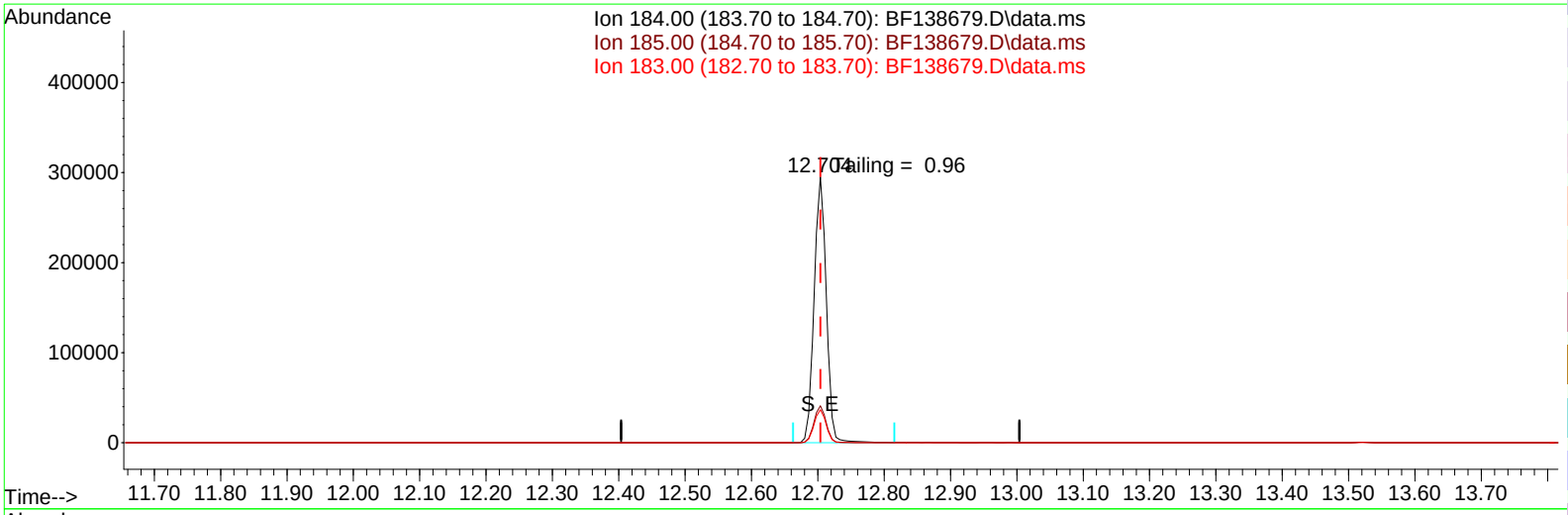
response 69604

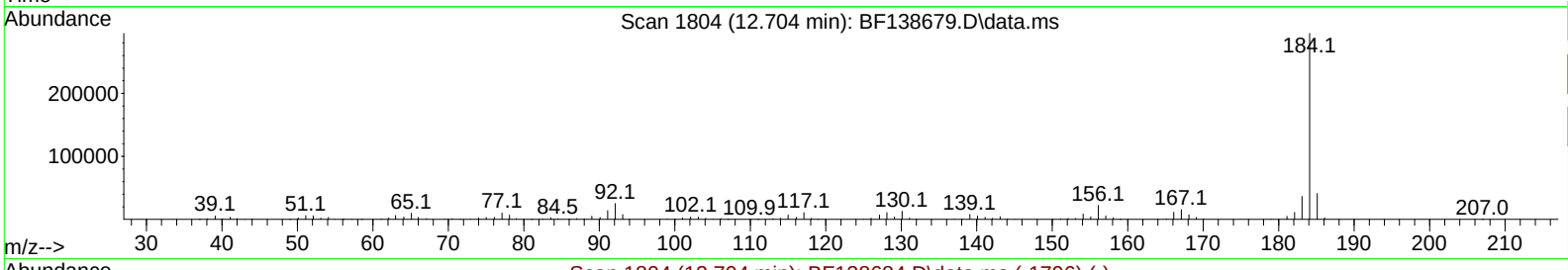
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.56
264.00	62.20	62.86
0.00	0.00	0.00

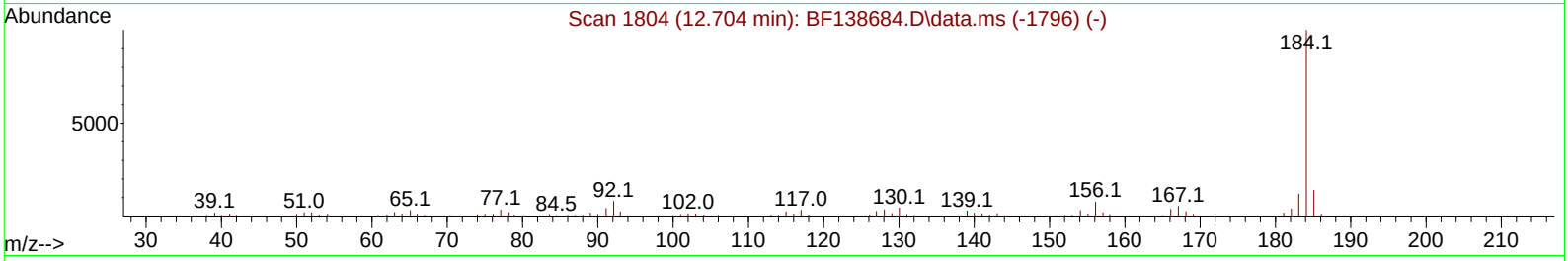
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

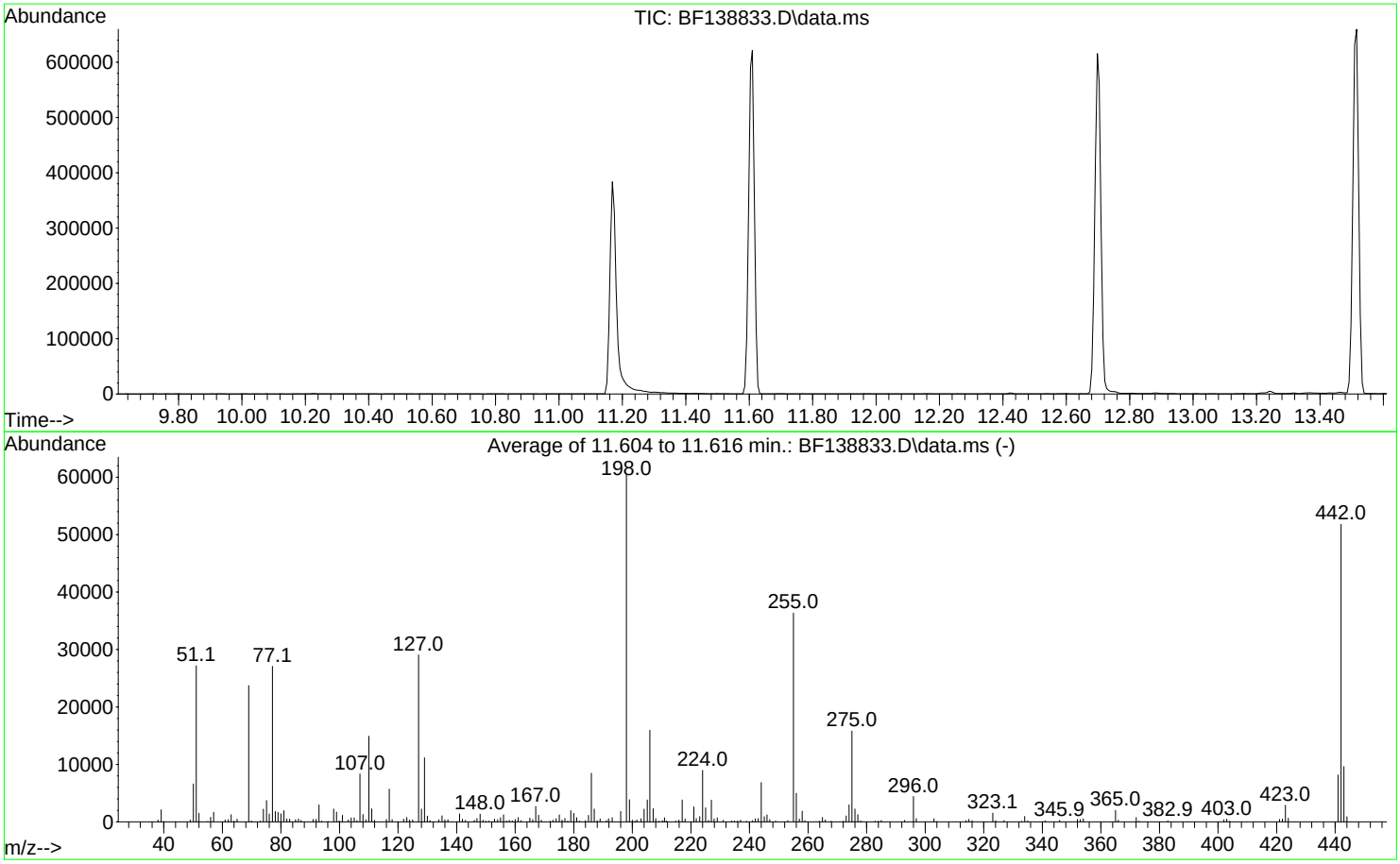
Date	Instrument Name	DFTPP Data File
7/30/2024	BNA_F	BF138679.D
Compound Name	**Response**	**Retention Time**
DDT	187682	13.521
DDD	3715	13.251
DDE	369	12.886
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4084	191766	2.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138833.D
Acq On : 07 Aug 2024 10:30
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



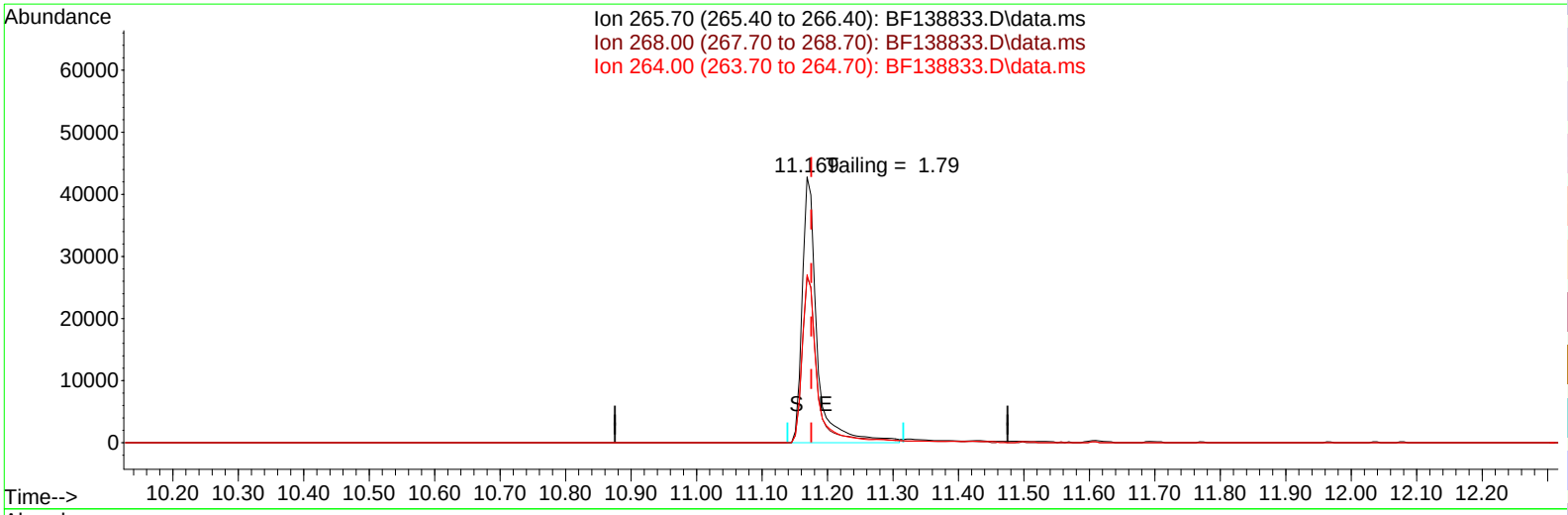
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1611

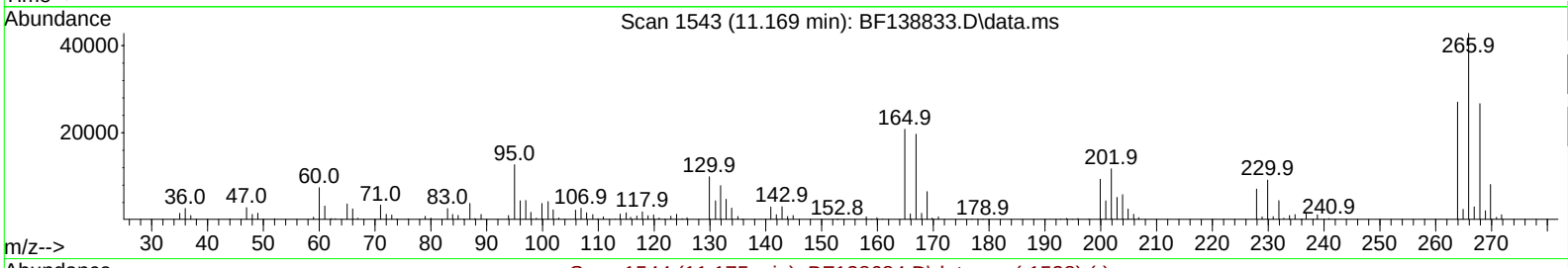
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.0	27181	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.2	23713	PASS
70	69	0.00	2	0.6	146	PASS
127	198	10	80	48.0	29053	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	60469	PASS
199	198	5	9	6.4	3864	PASS
275	198	10	60	26.2	15814	PASS
365	198	1	100	3.3	2002	PASS
441	198	0.01	100	13.5	8148	PASS
442	442	50	100	100.0	51789	PASS
443	442	15	24	18.6	9641	PASS

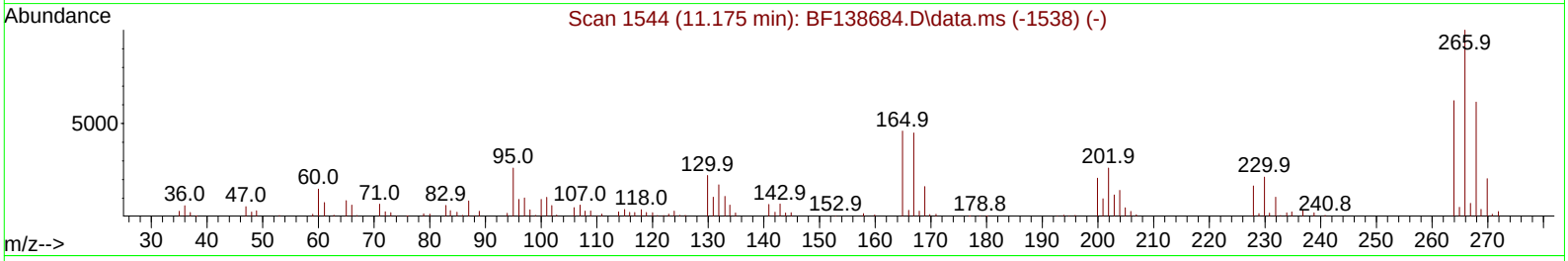
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138833.D
Acq On : 07 Aug 2024 10:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 07 11:59:40 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: BF138833.D\data.ms

(70) Pentachlorophenol (C)

11.169min (-0.006) 57532.53 ng

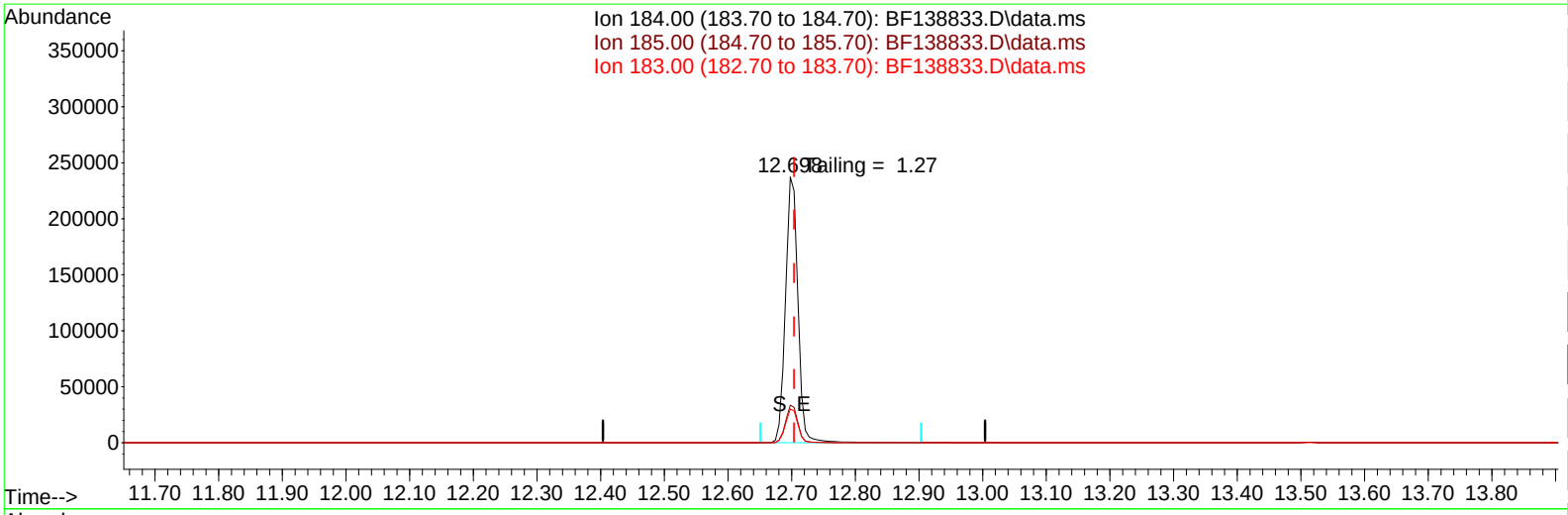
response 68125

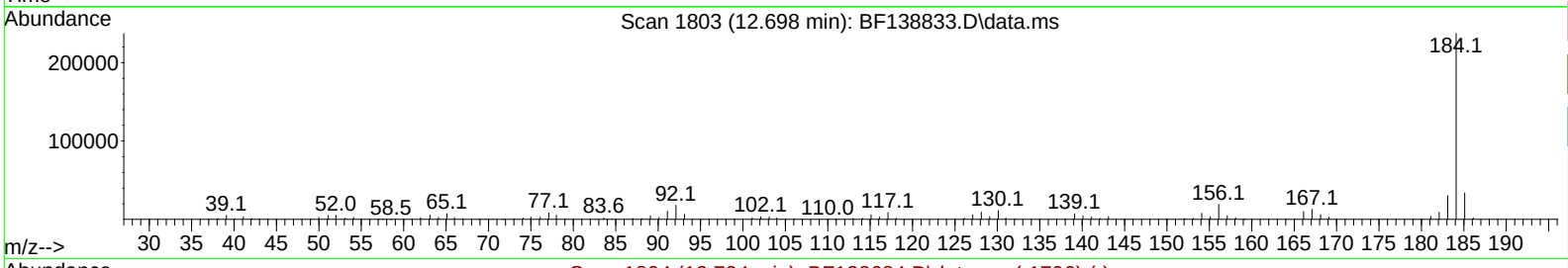
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	62.36
264.00	62.20	63.20
0.00	0.00	0.00

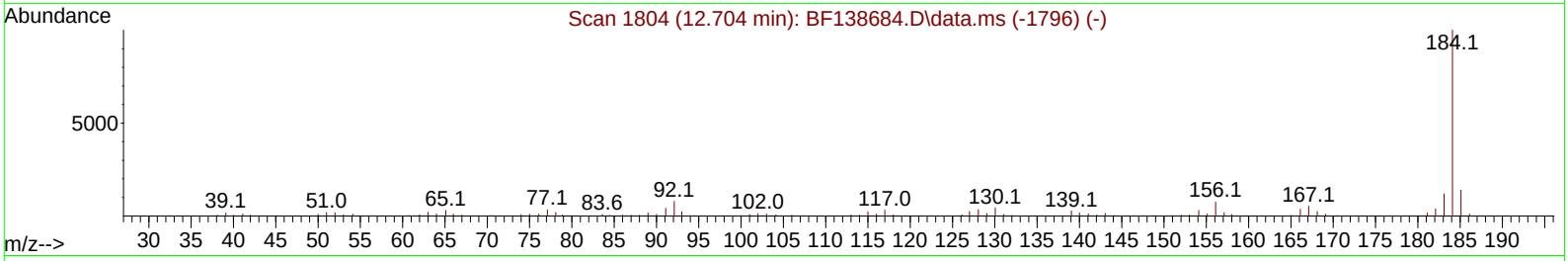
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138833.D
Acq On : 07 Aug 2024 10:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 07 11:59:40 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: BF138833.D\data.ms

(77) Benzidine

12.698min (-0.006) 0.00 ng

response 323216

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	14.17
183.00	12.00	12.73
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

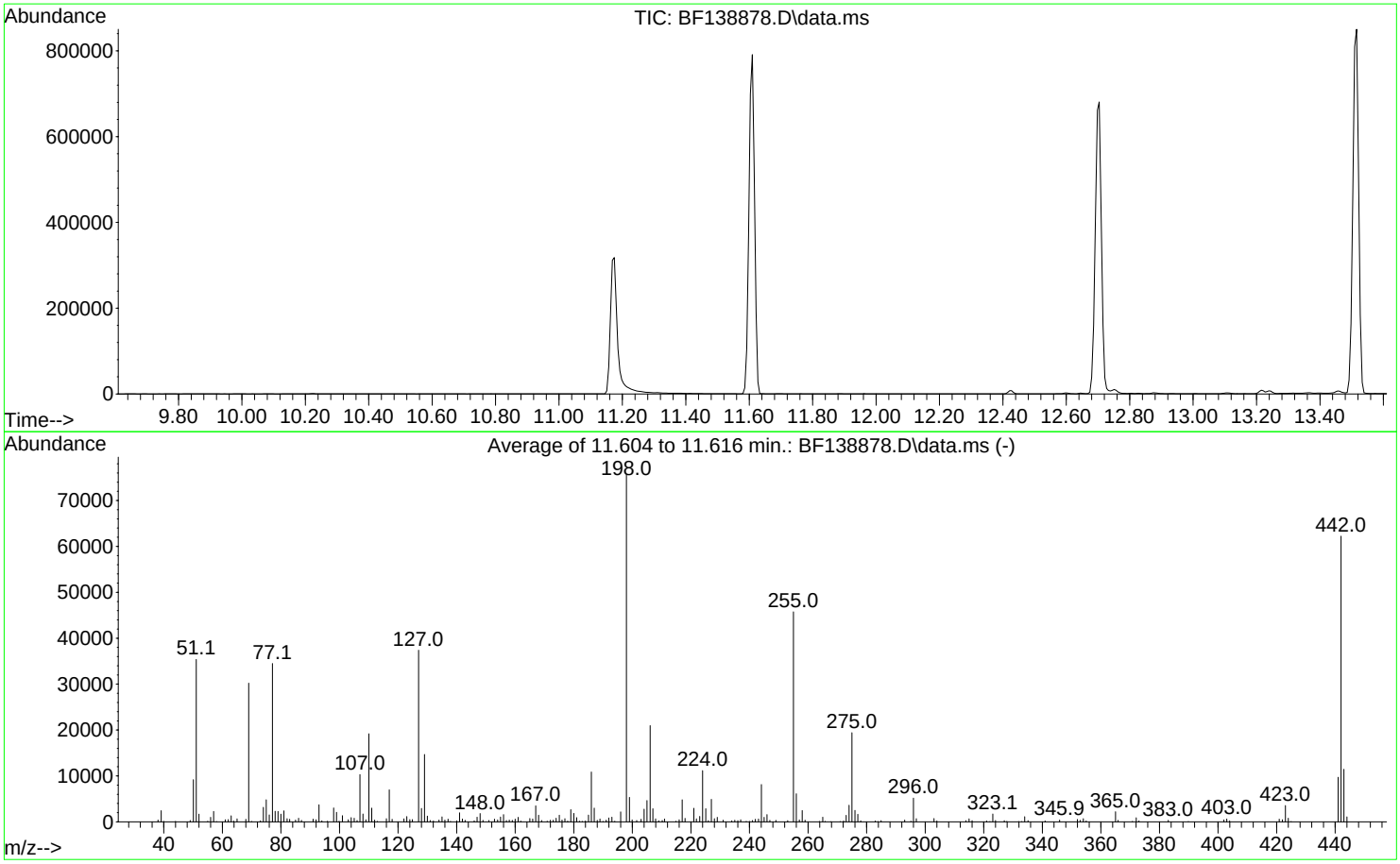
Date	Instrument Name	DFTPP Data File
8/7/2024	BNA_F	BF138833.D
Compound Name	**Response**	**Retention Time**
DDT	163406	13.516
DDD	2660	13.245
DDE	908	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3568	166974	2.14

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138878.D
Acq On : 09 Aug 2024 09:17
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 1617, 1618, 1619; 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	46.8	35389	PASS
68	69	0.00	2	1.9	576	PASS
69	198	0.00	100	39.9	30211	PASS
70	69	0.00	2	0.4	118	PASS
127	198	10	80	49.4	37373	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	75667	PASS
199	198	5	9	7.1	5335	PASS
275	198	10	60	25.7	19429	PASS
365	198	1	100	2.9	2201	PASS
441	198	0.01	100	12.8	9714	PASS
442	442	50	100	100.0	62237	PASS
443	442	15	24	18.4	11446	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

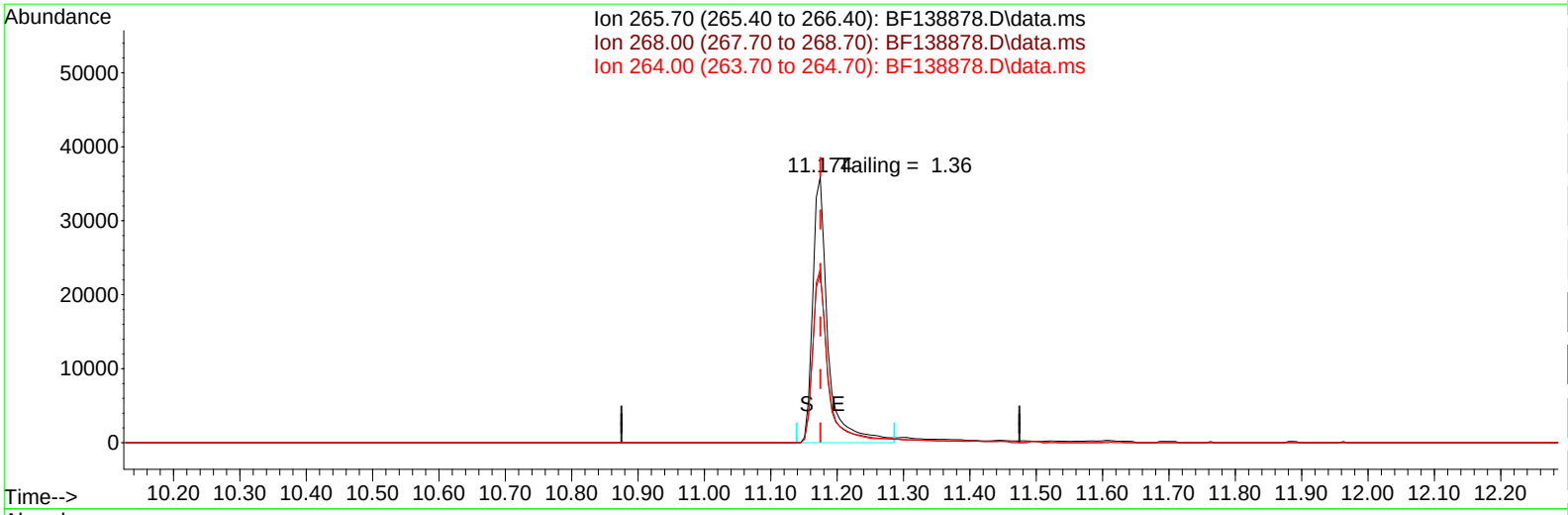
DDT Breakdown

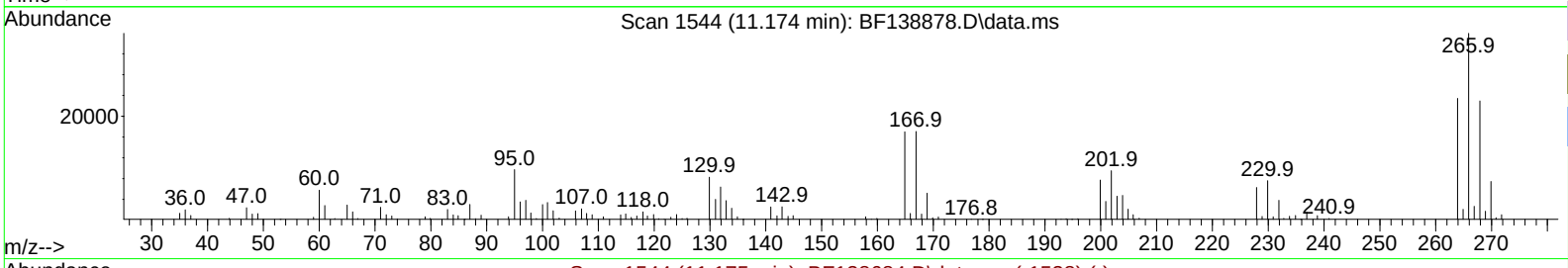
Date	Instrument Name	DFTPP Data File
8/9/2024	BNA_F	BF138878.D
Compound Name	**Response**	**Retention Time**
DDT	209857	13.515
DDD	5443	13.215
DDE	1045	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6488	216345	3.00

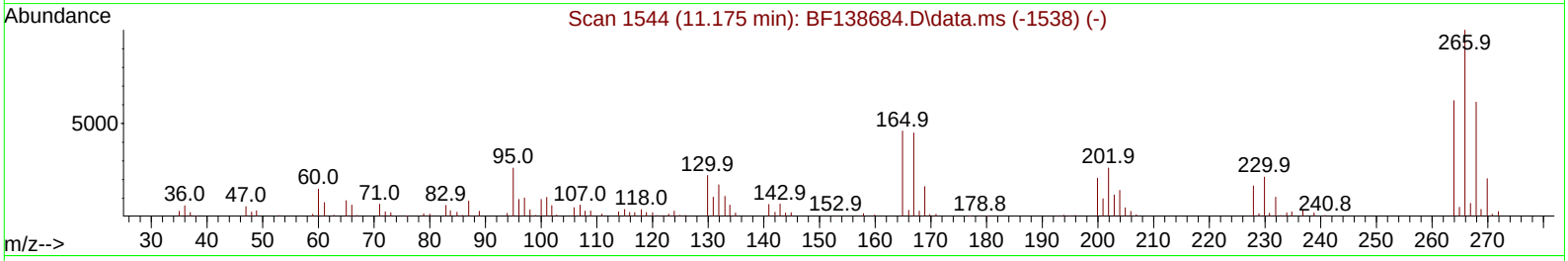
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138878.D
Acq On : 09 Aug 2024 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 09 10:51:32 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







TIC: BF138878.D\data.ms

(70) Pentachlorophenol (C)

11.174min (-0.001) 26324.57 ng

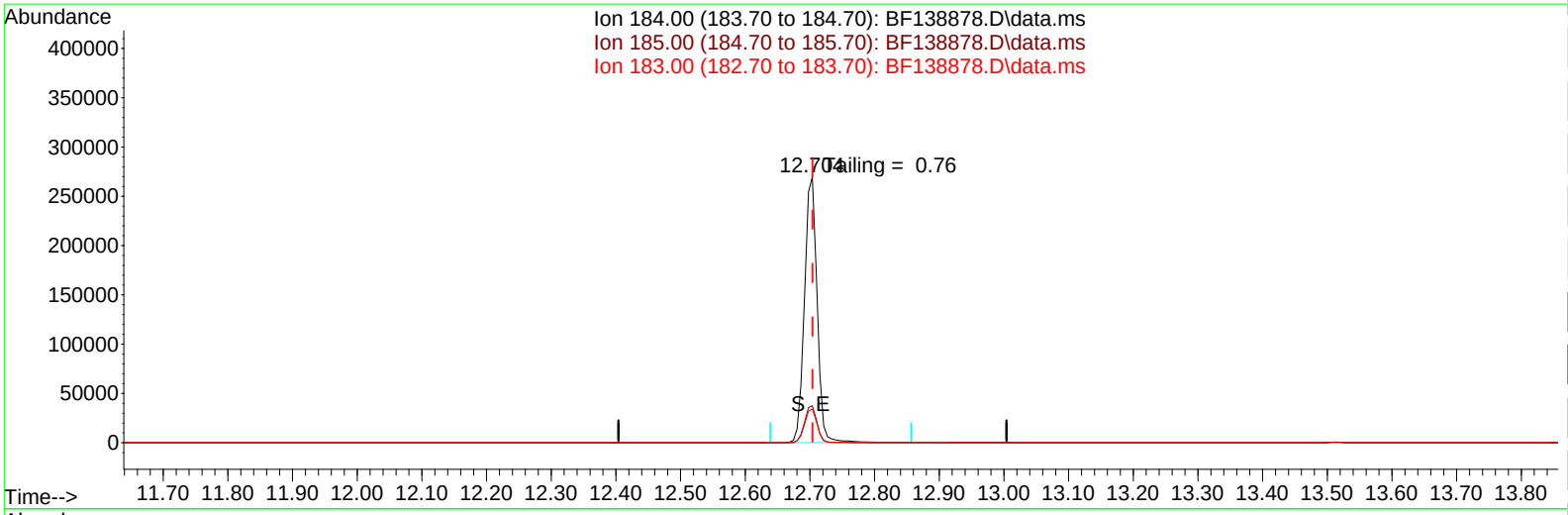
response 57700

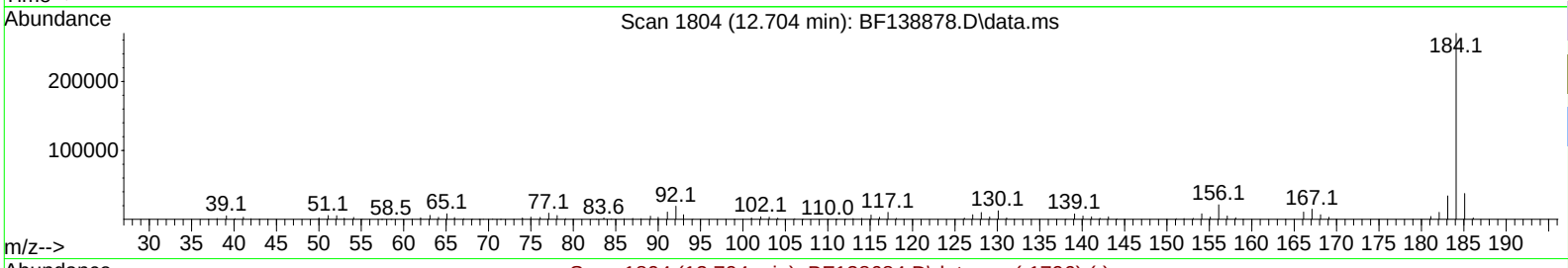
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.86
264.00	62.20	65.20
0.00	0.00	0.00

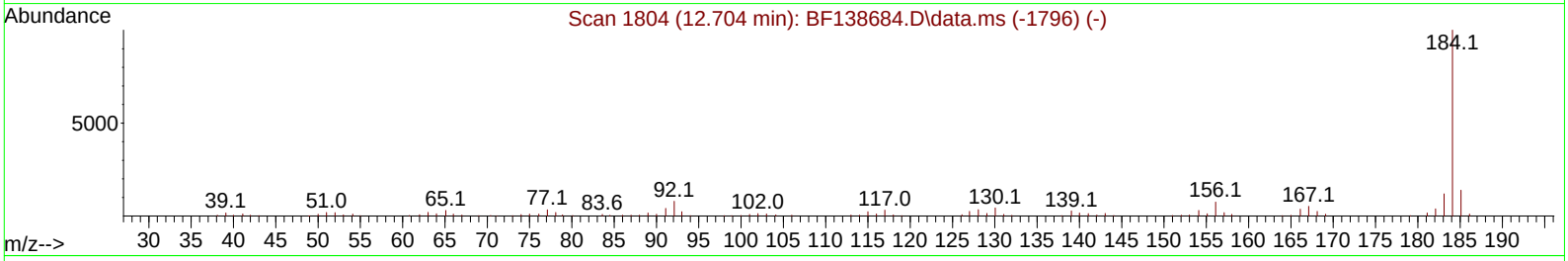
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138878.D
Acq On : 09 Aug 2024 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 09 10:51:32 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







TIC: BF138878.D\data.ms

(77) Benzidine

12.704min (-0.000) 0.00 ng

response 368946

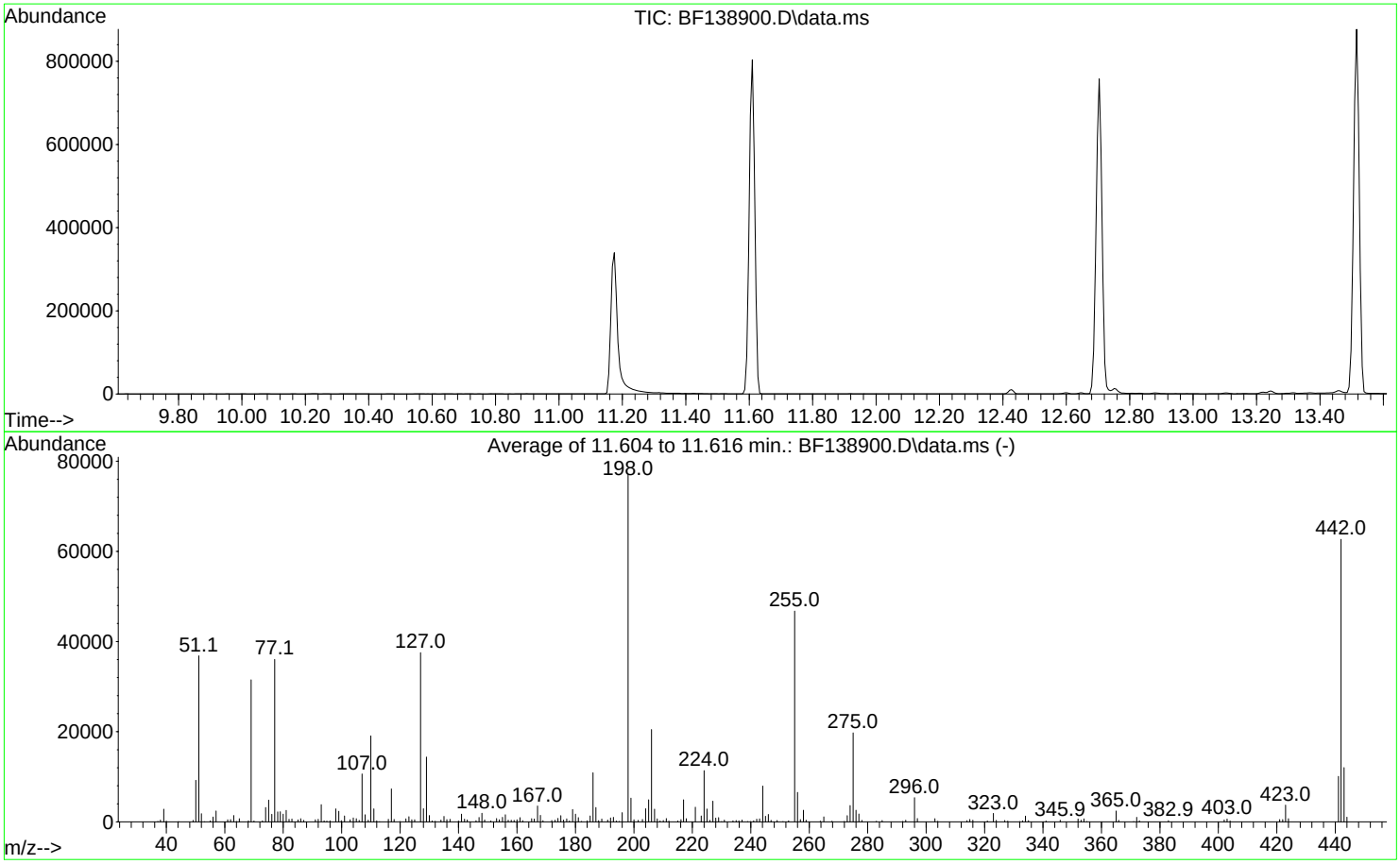
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.92
183.00	12.00	12.68
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138900.D
Acq On : 10 Aug 2024 10:12
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 1617, 1618, 1619; Background Corrected with Scan 1611

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	47.8	36840	PASS
68	69	0.00	2	0.8	242	PASS
69	198	0.00	100	40.9	31507	PASS
70	69	0.00	2	0.6	200	PASS
127	198	10	80	48.7	37536	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	77061	PASS
199	198	5	9	6.8	5274	PASS
275	198	10	60	25.6	19728	PASS
365	198	1	100	3.1	2410	PASS
441	198	0.01	100	13.1	10083	PASS
442	442	50	100	100.0	62667	PASS
443	442	15	24	19.2	12045	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

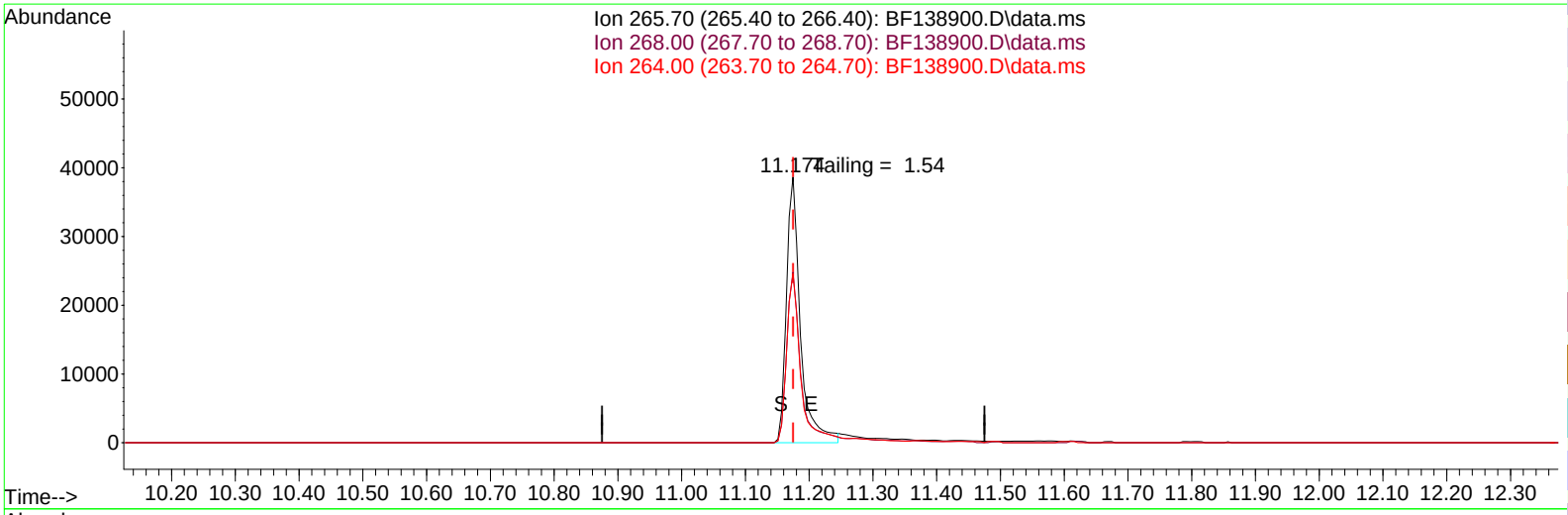
DDT Breakdown

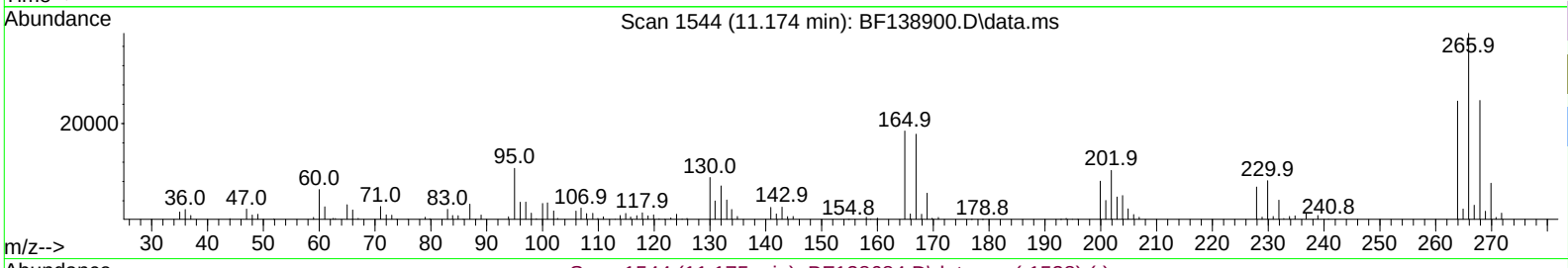
Date	Instrument Name	DFTPP Data File
8/10/2024	BNA_F	BF138900.D
Compound Name	**Response**	**Retention Time**
DDT	206441	13.515
DDD	4194	13.245
DDE	1167	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5361	211802	2.53

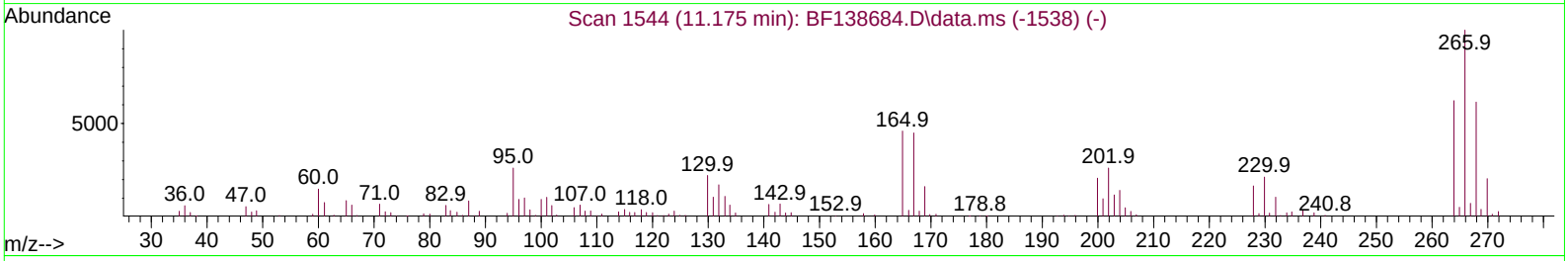
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138900.D
Acq On : 10 Aug 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 00:49:30 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: BF138900.D\data.ms

(70) Pentachlorophenol (C)

11.174min (-0.001) 42180.16 ng

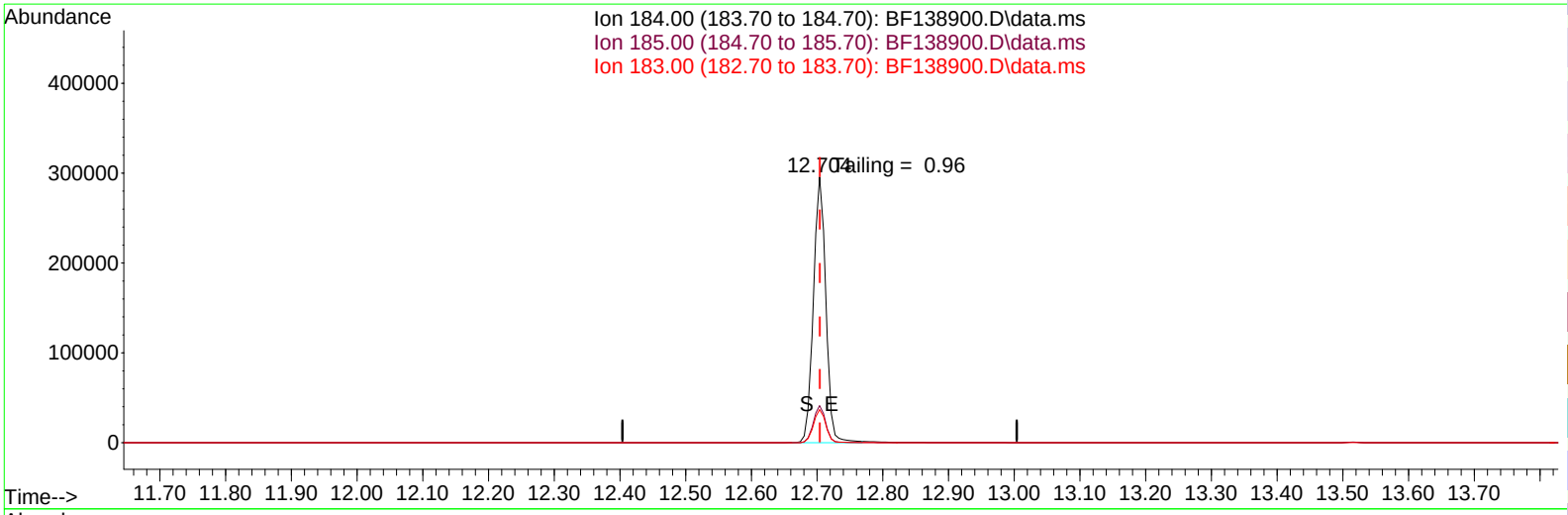
response 64186

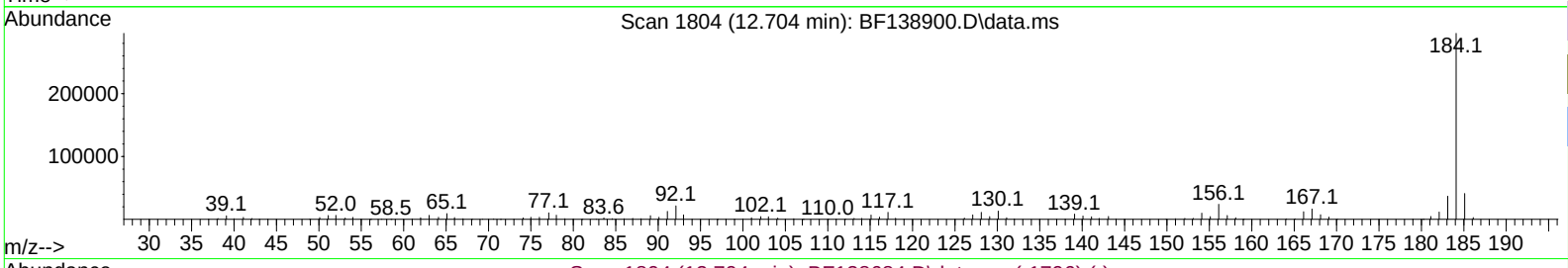
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	64.11
264.00	62.20	63.74
0.00	0.00	0.00

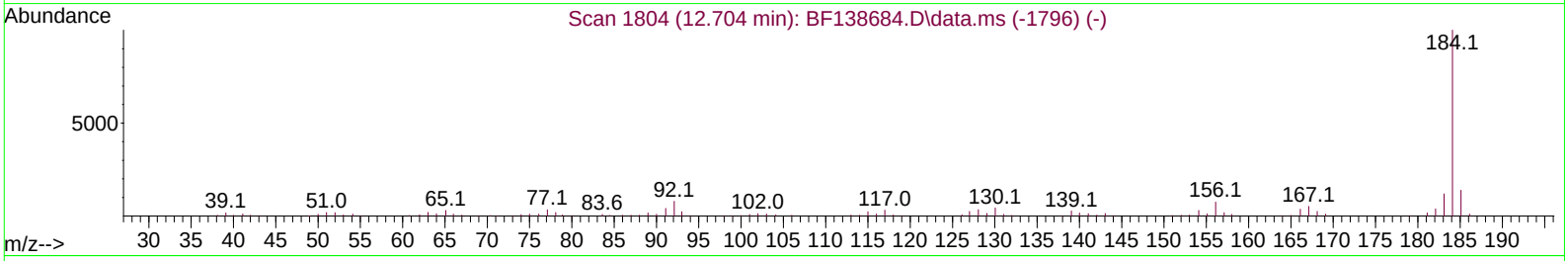
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138900.D
Acq On : 10 Aug 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 00:49:30 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: BF138900.D\data.ms

(77) Benzidine

12.704min (-0.000) 0.00 ng

response 391893

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.95
183.00	12.00	12.47
0.00	0.00	0.00

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162423BL	SDG No.:	P3429
Lab Sample ID:	PB162423BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138883.D	1	08/01/24 08:20	08/09/24 11:52	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L

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:	PB162423BL	SDG No.:	P3429
Lab Sample ID:	PB162423BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138883.D	1	08/01/24 08:20	08/09/24 11:52	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	161		15 (10) - 110 (139)	107%	SPK: 150
13127-88-3	Phenol-d6	161		15 (10) - 110 (134)	107%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		30 (49) - 130 (133)	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179	*	15 (44) - 110 (137)	120%	SPK: 150
1718-51-0	Terphenyl-d14	129		30 (48) - 130 (125)	129%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40900	6.84			
1146-65-2	Naphthalene-d8	169000	8.122			
15067-26-2	Acenaphthene-d10	101000	9.875			
1517-22-2	Phenanthrene-d10	196000	11.357			
1719-03-5	Chrysene-d12	117000	13.998			
1520-96-3	Perylene-d12	79000	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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138883.D
Acq On : 09 Aug 2024 11:52
Operator : RC/JU
Sample : PB162423BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Quant Time: Aug 09 12:30:19 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

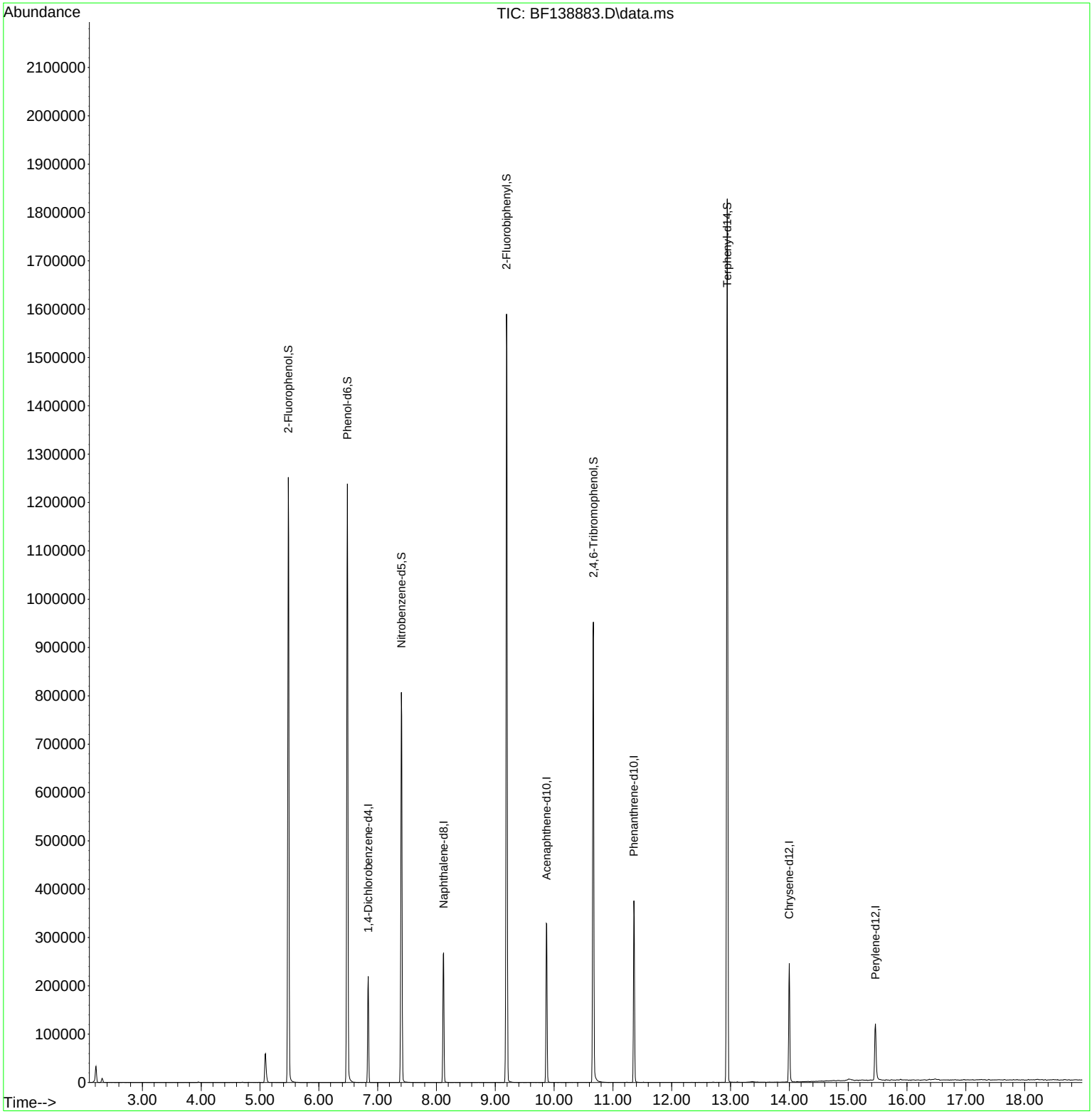
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	40879	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	169292	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	101270	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	195894	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	116610	20.000	ng	0.00
86) Perylene-d12	15.463	264	79046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	425919	160.833	ng	0.01
7) Phenol-d6	6.487	99	571773	160.814	ng	0.00
23) Nitrobenzene-d5	7.404	82	372319	107.525	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	148717	179.277	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	713549	105.866	ng	-0.01
79) Terphenyl-d14	12.945	244	896366	128.699	ng	0.00
Target Compounds						Qvalue

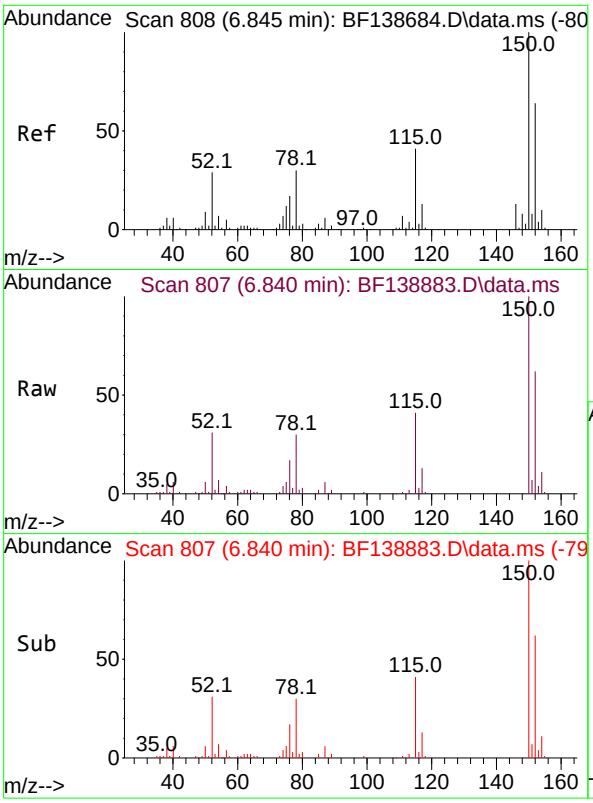
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138883.D
Acq On : 09 Aug 2024 11:52
Operator : RC/JU
Sample : PB162423BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Quant Time: Aug 09 12:30:19 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



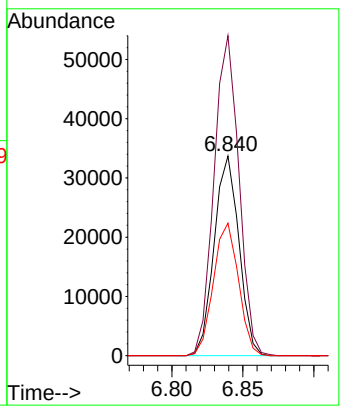


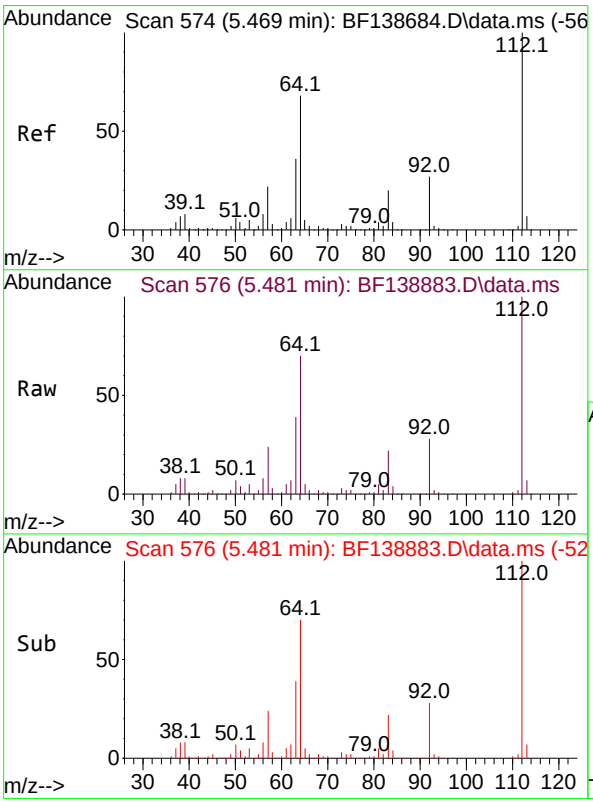
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Tgt Ion:152 Resp: 40879

Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.0	189.0
115	66.4	51.7	77.5

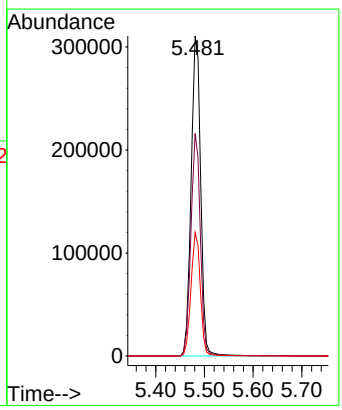


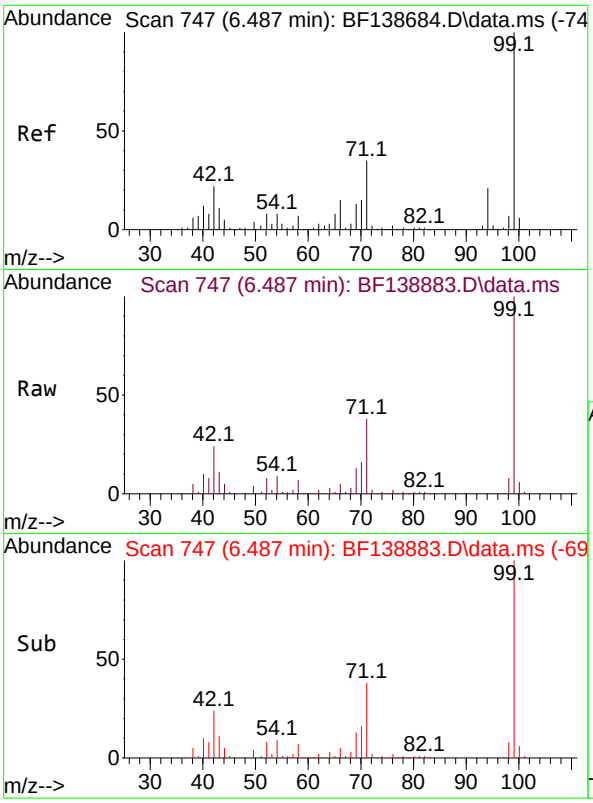


#5
2-Fluorophenol
Concen: 160.833 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Tgt Ion:112 Resp: 425919

Ion	Ratio	Lower	Upper
112	100		
64	69.5	54.2	81.4
63	38.6	28.7	43.1



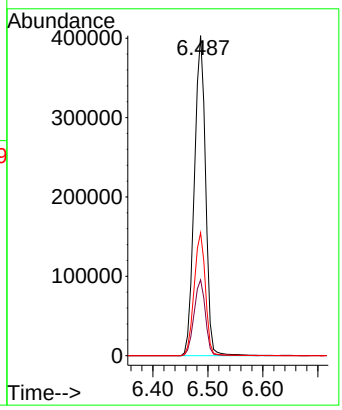


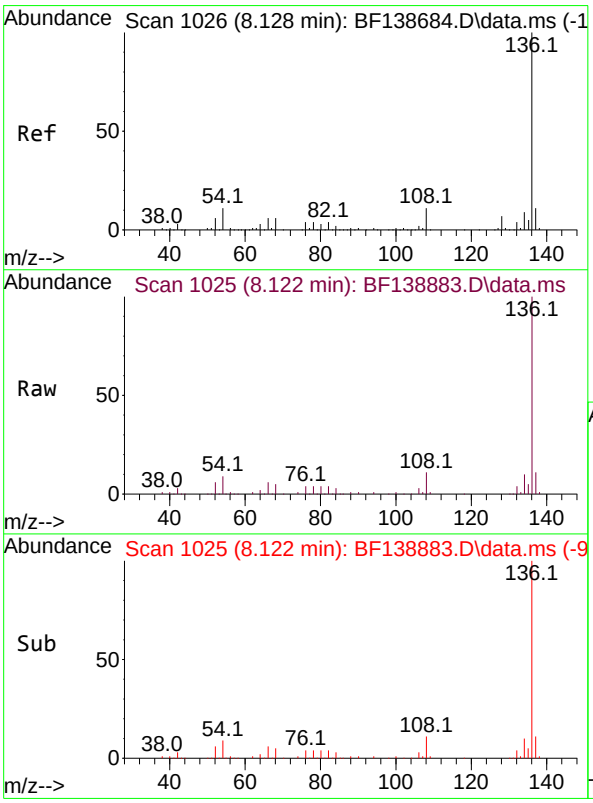
#7
Phenol-d6
Concen: 160.814 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Tgt Ion: 99 Resp: 571773

Ion	Ratio	Lower	Upper
99	100		
42	23.7	17.4	26.0
71	38.4	28.1	42.1

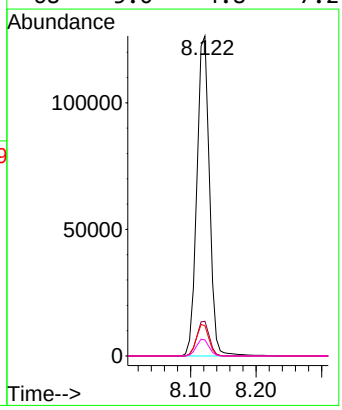


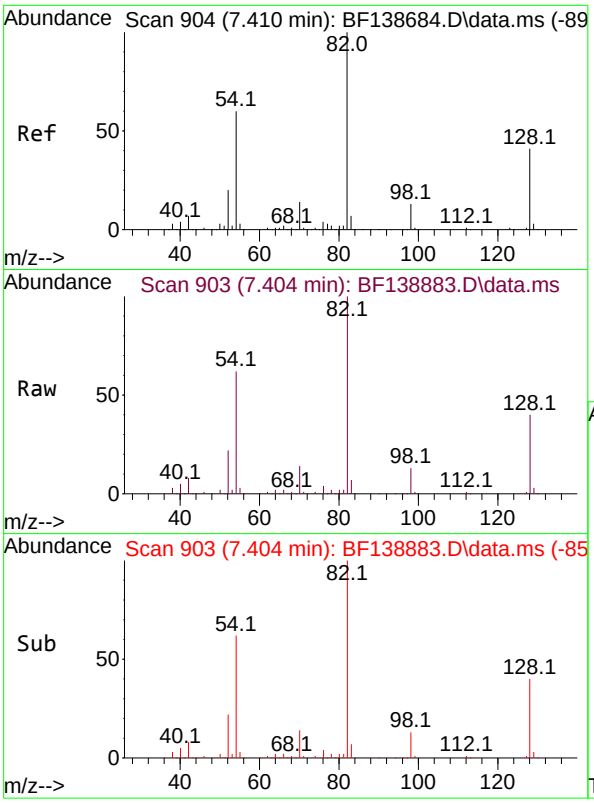


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Tgt Ion:136 Resp: 169292

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.5	8.6	12.8
68	5.0	4.8	7.2



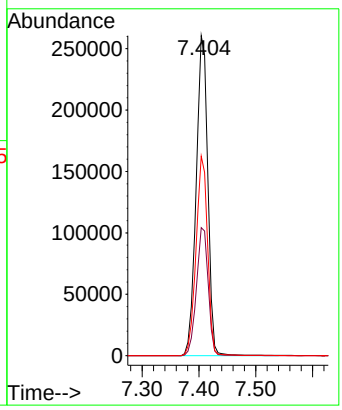


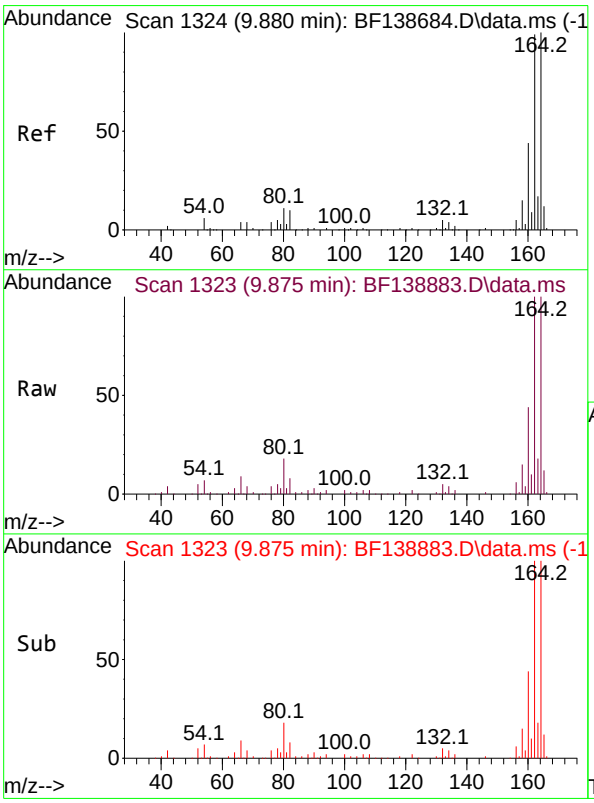
#23
Nitrobenzene-d5
Concen: 107.525 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Tgt Ion: 82 Resp: 372319

Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.8	49.2
54	62.4	48.3	72.5

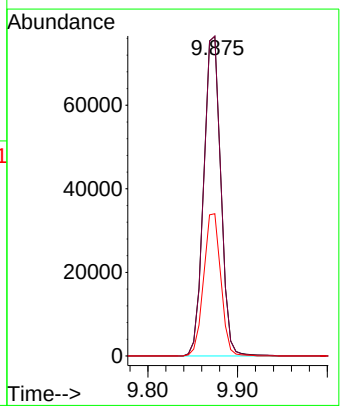


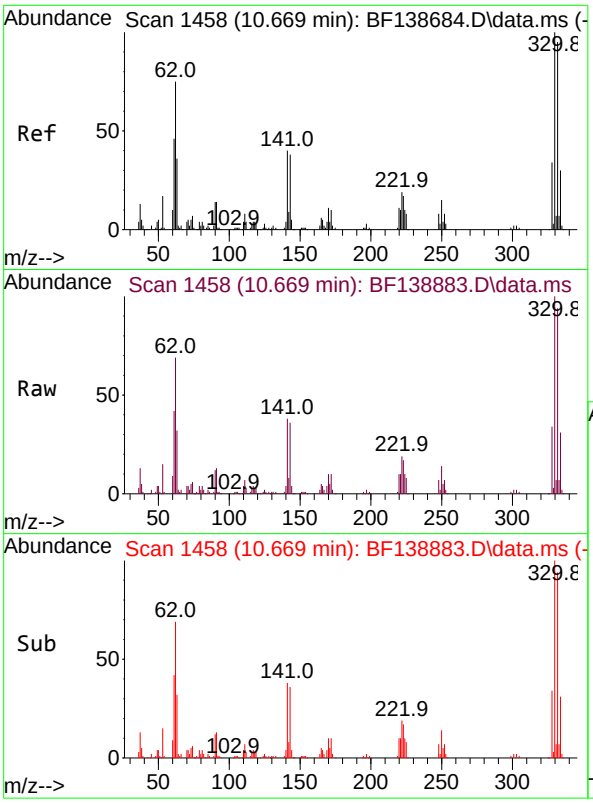


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Tgt Ion:164 Resp: 101270

Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.4	119.0
160	44.5	35.1	52.7



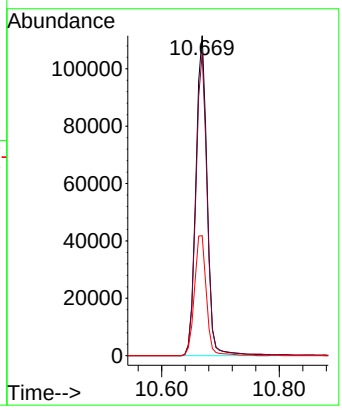


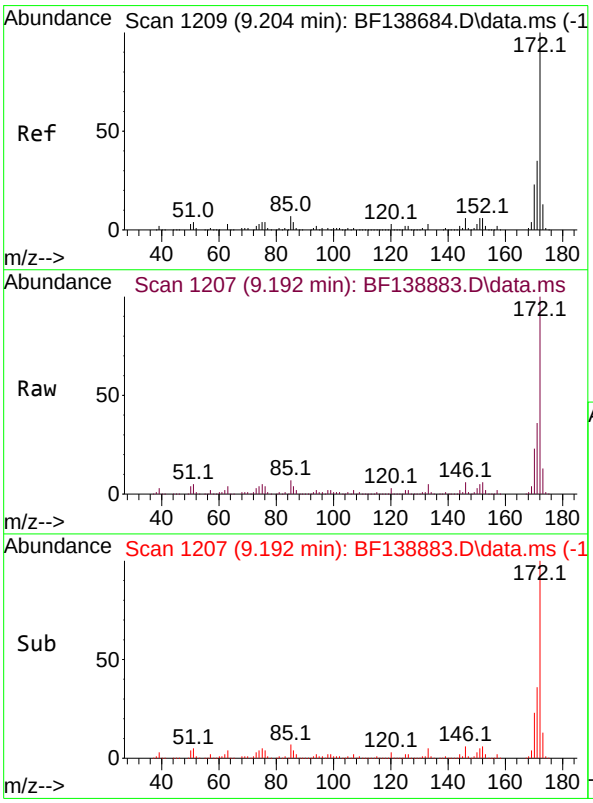
#42
2,4,6-Tribromophenol
Concen: 179.277 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Tgt Ion:330 Resp: 148717

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.4	114.6
141	39.5	31.1	46.7

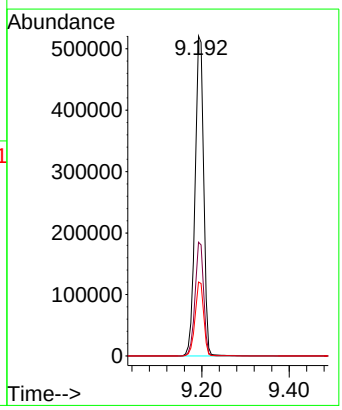


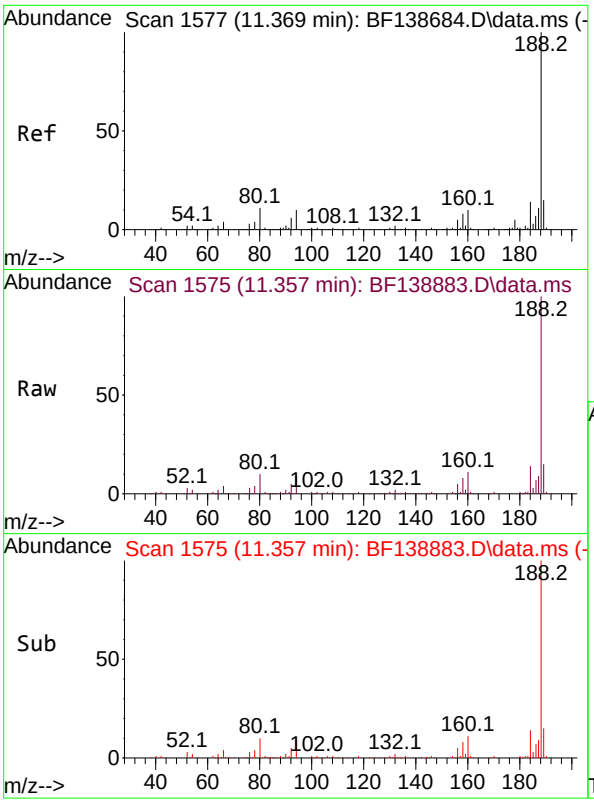


#45
2-Fluorobiphenyl
Concen: 105.866 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Tgt Ion:172 Resp: 713549

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.1	18.8	28.2



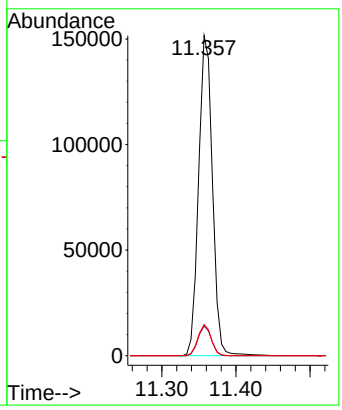


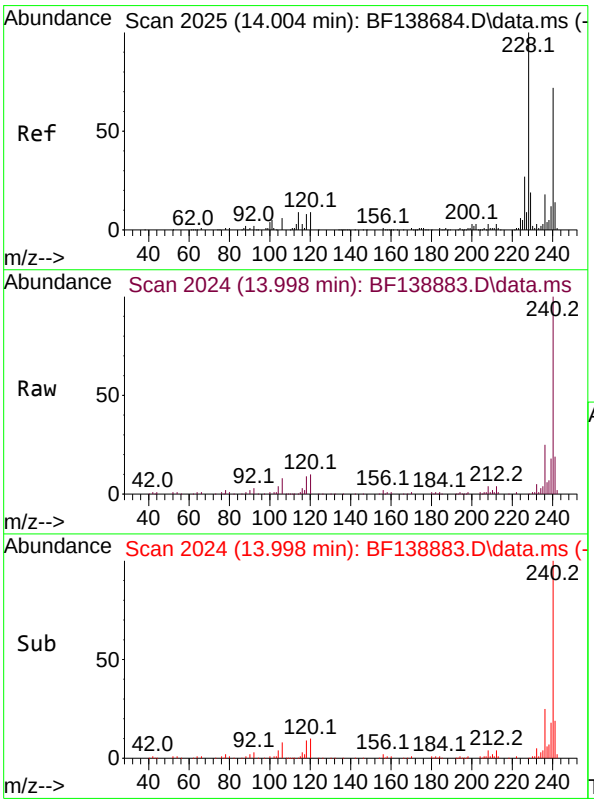
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Tgt Ion:188 Resp: 195894

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.6	11.4
80	9.8	8.6	12.8

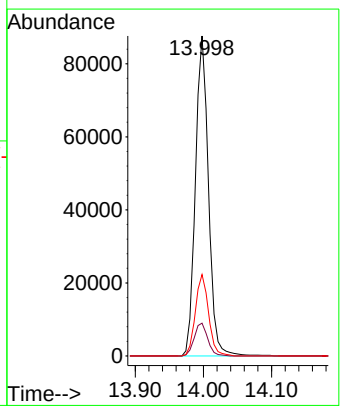


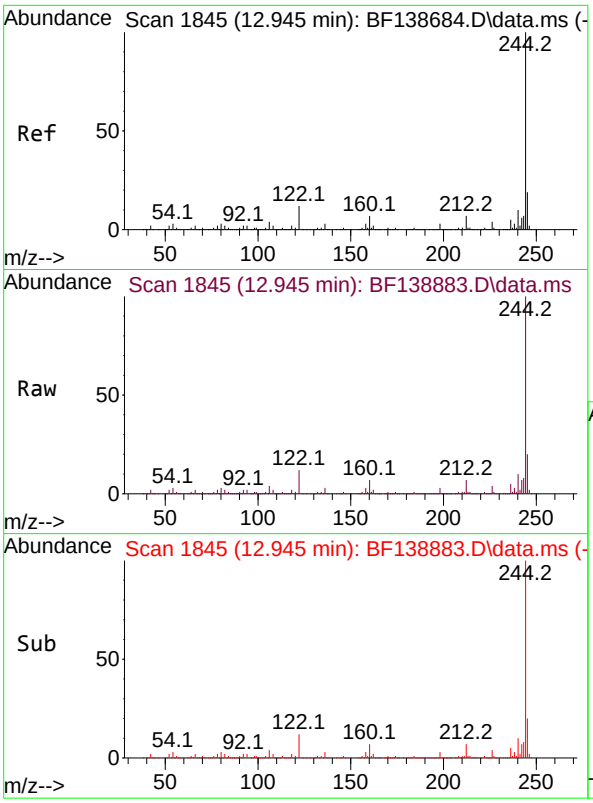


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Tgt Ion:240 Resp: 116610

Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.2	15.4
236	25.4	19.8	29.8



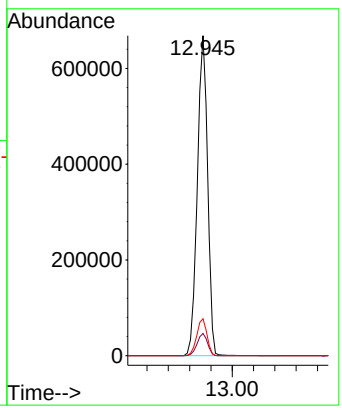


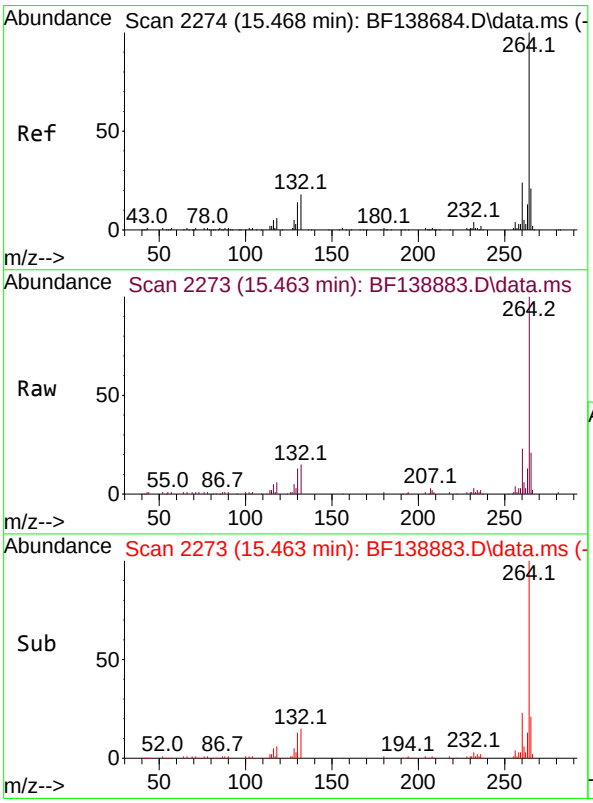
#79
Terphenyl-d14
Concen: 128.699 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Tgt Ion:244 Resp: 896366

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.5	9.6	14.4

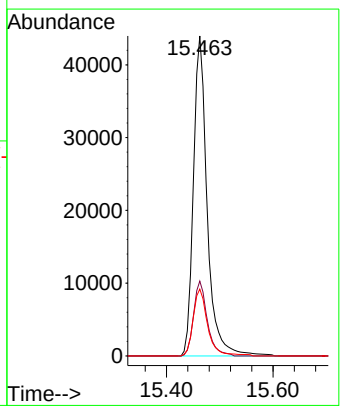




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Tgt Ion:264 Resp: 79046

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	20.9	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:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162423BS	SDG No.:	P3429
Lab Sample ID:	PB162423BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138884.D	1	08/01/24 08:20	08/09/24 12:23	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	33.5		1.60	5.00	ug/L
100-52-7	Benzaldehyde	40.0		4.00	10.0	ug/L
95-48-7	2-Methylphenol	48.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	51.0		1.20	10.0	ug/L
67-72-1	Hexachloroethane	46.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	43.2		1.30	5.00	ug/L
91-20-3	Naphthalene	44.7		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.4		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	47.5		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	45.6		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.7		1.00	5.00	ug/L
208-96-8	Acenaphthylene	48.8		1.00	5.00	ug/L
83-32-9	Acenaphthene	44.3		0.81	5.00	ug/L
132-64-9	Dibenzofuran	47.1		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.2		1.50	5.00	ug/L
86-73-7	Fluorene	47.6		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	45.2		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	79.7		1.90	10.0	ug/L
85-01-8	Phenanthrene	46.8		0.89	5.00	ug/L
120-12-7	Anthracene	48.3		1.10	5.00	ug/L
86-74-8	Carbazole	46.3		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	55.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	48.3		1.30	5.00	ug/L
129-00-0	Pyrene	50.3		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	46.8		0.94	5.00	ug/L
218-01-9	Chrysene	47.5		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.6		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	53.2		1.20	5.00	ug/L

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:	PB162423BS	SDG No.:	P3429
Lab Sample ID:	PB162423BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138884.D	1	08/01/24 08:20	08/09/24 12:23	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	52.4		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.6		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	30.1		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	44.0		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	133		15 (10) - 110 (134)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.7		30 (49) - 130 (133)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.0		30 (52) - 130 (132)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		15 (44) - 110 (137)	91%	SPK: 150
1718-51-0	Terphenyl-d14	118		30 (48) - 130 (125)	118%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54700	6.84			
1146-65-2	Naphthalene-d8	240000	8.122			
15067-26-2	Acenaphthene-d10	137000	9.881			
1517-22-2	Phenanthrene-d10	238000	11.363			
1719-03-5	Chrysene-d12	115000	14.004			
1520-96-3	Perylene-d12	99100	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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138884.D
Acq On : 09 Aug 2024 12:23
Operator : RC/JU
Sample : PB162423BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 09 12:54:42 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 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.840	152	54661	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	239610	20.000	ng		0.00
39) Acenaphthene-d10	9.881	164	137458	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	237762	20.000	ng		0.00
76) Chrysene-d12	14.004	240	114847	20.000	ng	#	0.00
86) Perylene-d12	15.463	264	99135	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	477615	134.881	ng		0.02
7) Phenol-d6	6.493	99	631214	132.770	ng		0.00
23) Nitrobenzene-d5	7.410	82	415059	84.691	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	152861	135.760	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	795512	86.954	ng		0.00
79) Terphenyl-d14	12.945	244	806212	117.532	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.716	88	46677	30.109	ng		95
3) Pyridine	3.469	79	125908	33.527	ng		94
4) n-Nitrosodimethylamine	3.434	42	114066	50.998	ng		86
6) Aniline	6.510	93	147325	34.748	ng	#	14
8) 2-Chlorophenol	6.634	128	189614	50.896	ng		97
9) Benzaldehyde	6.398	77	114103	40.037	ng		99
10) Phenol	6.510	94	241114	48.169	ng		84
11) bis(2-Chloroethyl)ether	6.581	93	176233	45.752	ng		99
12) 1,3-Dichlorobenzene	6.781	146	187684	45.005	ng		98
13) 1,4-Dichlorobenzene	6.857	146	191826	45.580	ng		98
14) 1,2-Dichlorobenzene	7.010	146	185073	47.054	ng		100
15) Benzyl Alcohol	6.992	79	180837	52.775	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	292552	44.132	ng	#	46
17) 2-Methylphenol	7.110	107	150245	48.839	ng	#	85
18) Hexachloroethane	7.345	117	72794	45.950	ng		98
19) n-Nitroso-di-n-propyla...	7.263	70	148488	51.712	ng		98
20) 3+4-Methylphenols	7.263	107	201368	51.017	ng	#	79
22) Acetophenone	7.257	105	255561	43.560	ng		97
24) Nitrobenzene	7.434	77	215643	43.241	ng		99
25) Isophorone	7.669	82	383568	45.835	ng		98
26) 2-Nitrophenol	7.745	139	99896	46.559	ng		95
27) 2,4-Dimethylphenol	7.787	122	129851	50.583	ng		97
28) bis(2-Chloroethoxy)met...	7.875	93	227649	44.671	ng		99
29) 2,4-Dichlorophenol	7.992	162	157483	47.741	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	167955	44.120	ng		98
31) Naphthalene	8.145	128	563190	44.654	ng		100
32) Benzoic acid	7.945	122	74199	36.770	ng		97
33) 4-Chloroaniline	8.198	127	97837	23.109	ng		99
34) Hexachlorobutadiene	8.257	225	102412	44.416	ng		99
35) Caprolactam	8.592	113	42993m	43.680	ng		
36) 4-Chloro-3-methylphenol	8.692	107	182831	48.498	ng		99
37) 2-Methylnaphthalene	8.834	142	378251	47.487	ng		99
38) 1-Methylnaphthalene	8.934	142	343784	44.045	ng		100
40) 1,2,4,5-Tetrachloroben...	9.004	216	160044	41.914	ng		99
41) Hexachlorocyclopentadiene	8.981	237	108617	105.078	ng		99
43) 2,4,6-Trichlorophenol	9.122	196	106239	45.633	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138884.D
Acq On : 09 Aug 2024 12:23
Operator : RC/JU
Sample : PB162423BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 09 12:54:42 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 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	113656	44.656	ng		99
46) 1,1'-Biphenyl	9.304	154	445508	41.383	ng		99
47) 2-Chloronaphthalene	9.328	162	350048	43.720	ng		99
48) 2-Nitroaniline	9.434	65	126588	46.637	ng		98
49) Acenaphthylene	9.739	152	553811	48.769	ng		100
50) Dimethylphthalate	9.604	163	428780	48.785	ng		100
51) 2,6-Dinitrotoluene	9.675	165	90633	45.692	ng		92
52) Acenaphthene	9.916	154	338264	44.313	ng		99
53) 3-Nitroaniline	9.845	138	61549	30.016	ng		98
54) 2,4-Dinitrophenol	9.963	184	85713	93.870	ng		89
55) Dibenzofuran	10.086	168	507209	47.070	ng		99
56) 4-Nitrophenol	10.028	139	98124	79.575	ng		92
57) 2,4-Dinitrotoluene	10.081	165	124396	49.154	ng	#	81
58) Fluorene	10.428	166	408201	47.570	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	98411	50.576	ng		97
60) Diethylphthalate	10.304	149	423903	50.866	ng		100
61) 4-Chlorophenyl-phenyle...	10.416	204	202449	47.970	ng		97
62) 4-Nitroaniline	10.469	138	83056	42.622	ng		87
63) Azobenzene	10.581	77	440756	47.686	ng		97
65) 4,6-Dinitro-2-methylph...	10.492	198	69032	47.590	ng		93
66) n-Nitrosodiphenylamine	10.539	169	350266	47.130	ng		99
67) 4-Bromophenyl-phenylether	10.904	248	115981	45.055	ng		95
68) Hexachlorobenzene	10.975	284	120090	45.182	ng		99
69) Atrazine	11.069	200	105046	54.784	ng		98
70) Pentachlorophenol	11.180	266	95431	79.657	ng		98
71) Phenanthrene	11.392	178	572920	46.796	ng		99
72) Anthracene	11.445	178	582679	48.311	ng		99
73) Carbazole	11.598	167	482080	46.329	ng		98
74) Di-n-butylphthalate	11.916	149	650691	55.627	ng		99
75) Fluoranthene	12.575	202	551788	48.278	ng		99
77) Benzidine	12.698	184	35832	13.044	ng		100
78) Pyrene	12.804	202	543880	50.298	ng		99
80) Butylbenzylphthalate	13.416	149	198317	57.273	ng		97
81) Benzo(a)anthracene	13.992	228	369948	46.778	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	67070	33.140	ng		99
83) Chrysene	14.027	228	339194	47.539	ng		99
84) Bis(2-ethylhexyl)phtha...	13.969	149	231124	45.582	ng		100
85) Di-n-octyl phthalate	14.574	149	361521	38.536	ng		98
87) Indeno(1,2,3-cd)pyrene	16.945	276	331590	46.674	ng		96
88) Benzo(b)fluoranthene	15.039	252	296222	48.202	ng		98
89) Benzo(k)fluoranthene	15.068	252	283055	53.198	ng		98
90) Benzo(a)pyrene	15.404	252	270607	52.350	ng		97
91) Dibenzo(a,h)anthracene	16.951	278	269583	46.226	ng		97
92) Benzo(g,h,i)perylene	17.386	276	251836	41.614	ng		96

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

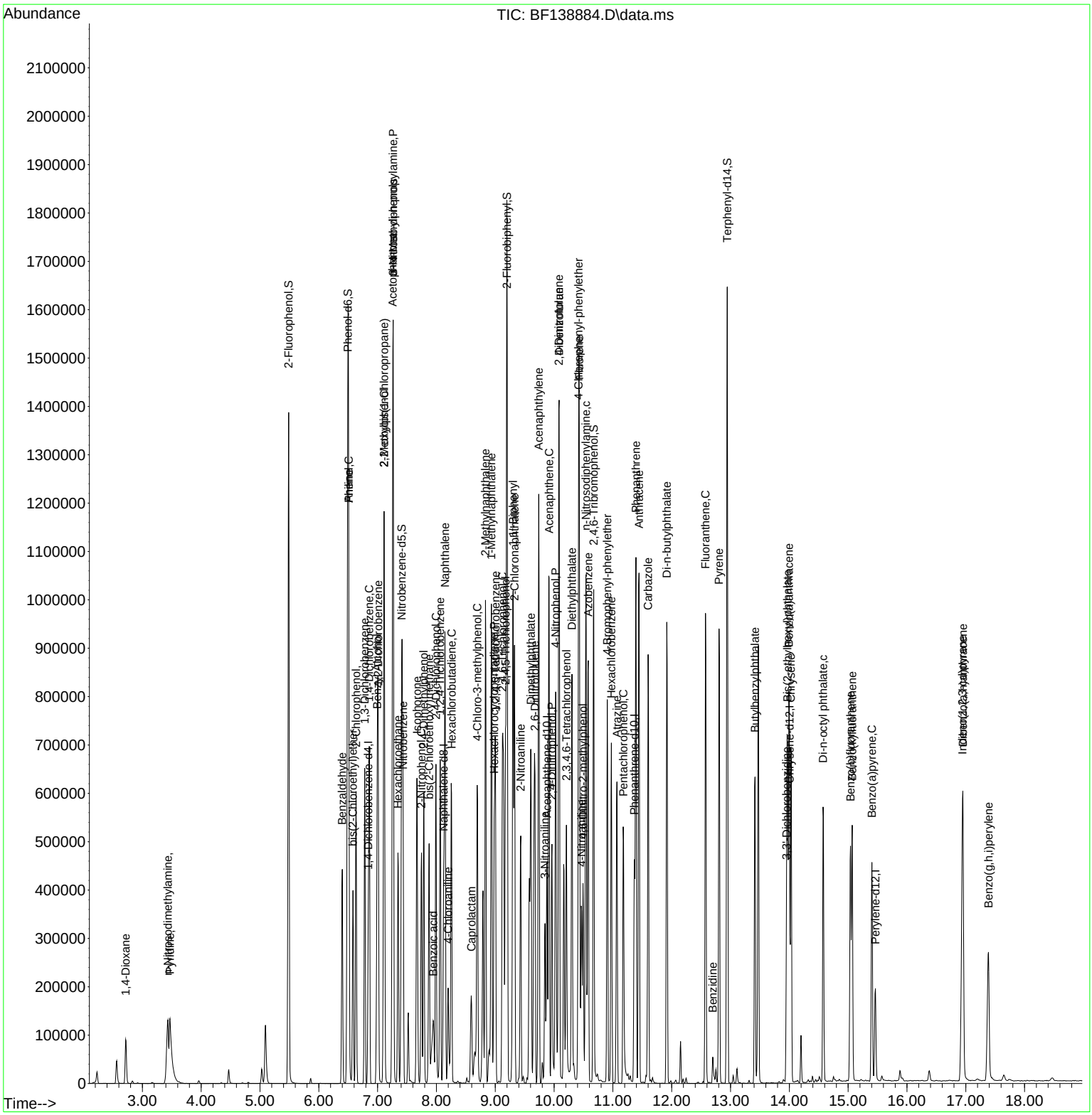
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138884.D
Acq On : 09 Aug 2024 12:23
Operator : RC/JU
Sample : PB162423BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

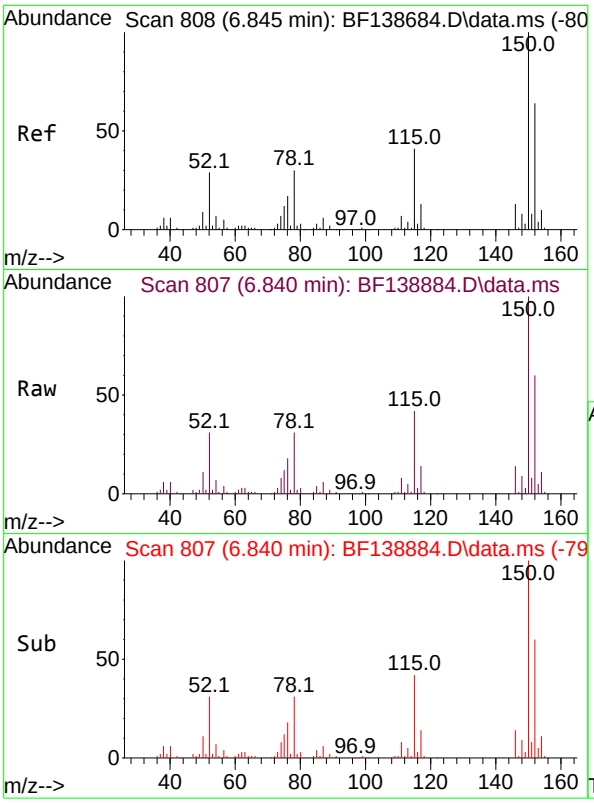
Quant Time: Aug 09 12:54:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

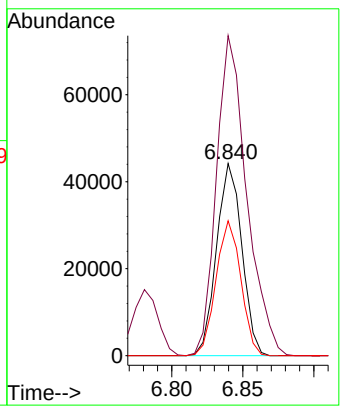




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:152 Resp: 5466

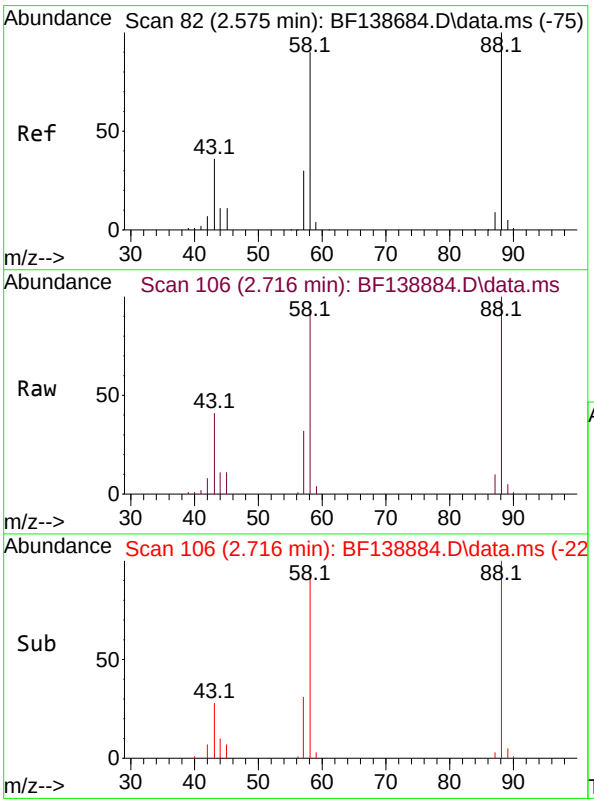
Ion	Ratio	Lower	Upper
152	100		
150	166.5	126.0	189.0
115	70.2	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

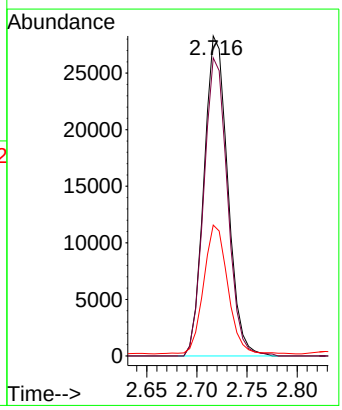
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

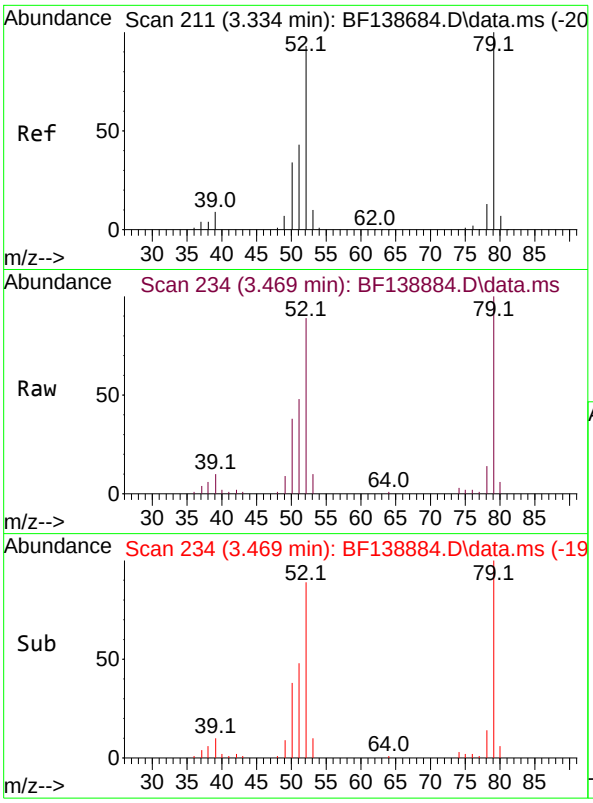


#2
1,4-Dioxane
Concen: 30.109 ng
RT: 2.716 min Scan# 106
Delta R.T. 0.141 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 88 Resp: 46677

Ion	Ratio	Lower	Upper
88	100		
58	92.6	71.6	107.4
43	41.0	28.7	43.1

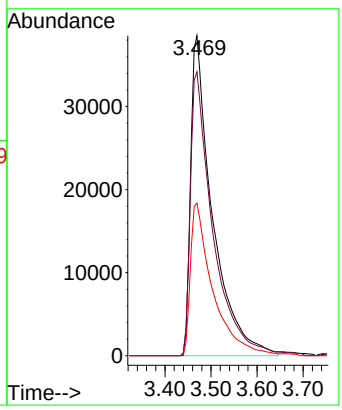




#3
Pyridine
Concen: 33.527 ng
RT: 3.469 min Scan# 2
Delta R.T. 0.135 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 79 Resp: 12590

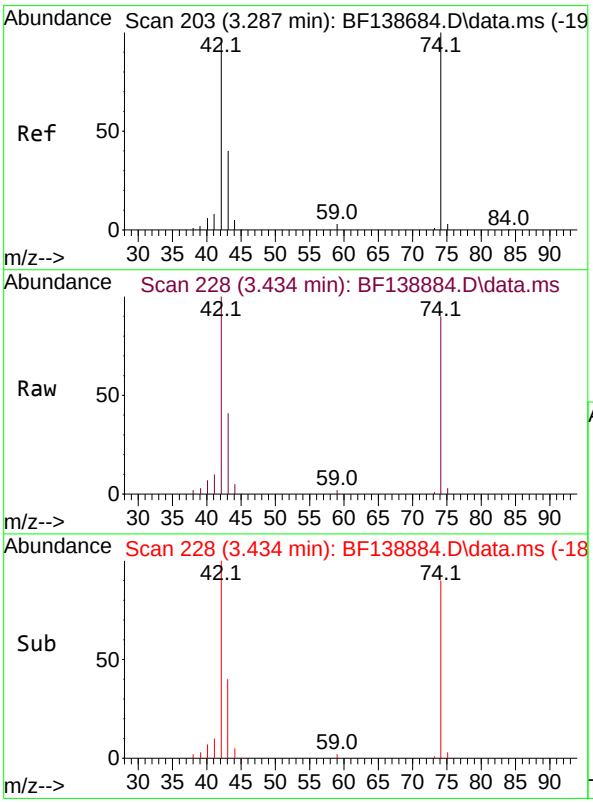
Ion	Ratio	Lower	Upper
79	100		
52	88.7	74.7	112.1
51	47.7	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

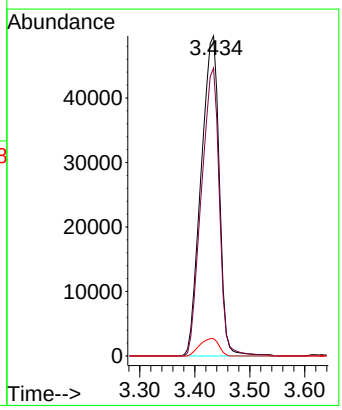
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

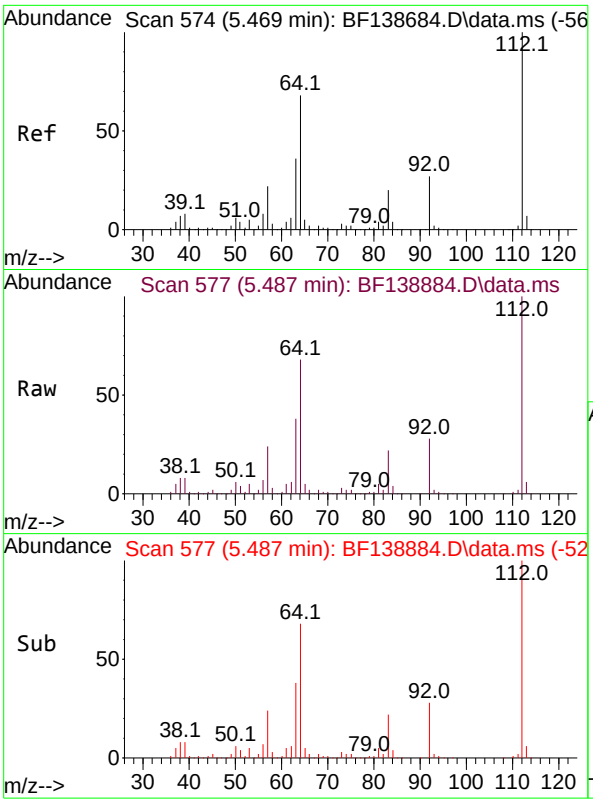


#4
n-Nitrosodimethylamine
Concen: 50.998 ng
RT: 3.434 min Scan# 228
Delta R.T. 0.147 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 42 Resp: 114066

Ion	Ratio	Lower	Upper
42	100		
74	90.0	84.2	126.4
44	5.4	4.9	7.3

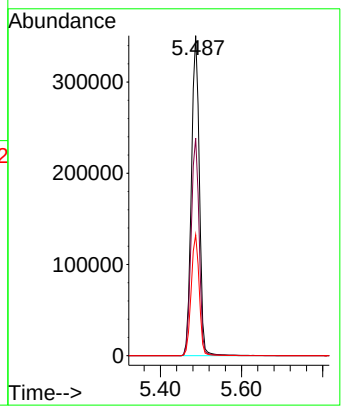




#5
2-Fluorophenol
Concen: 134.881 ng
RT: 5.487 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:112 Resp: 47761

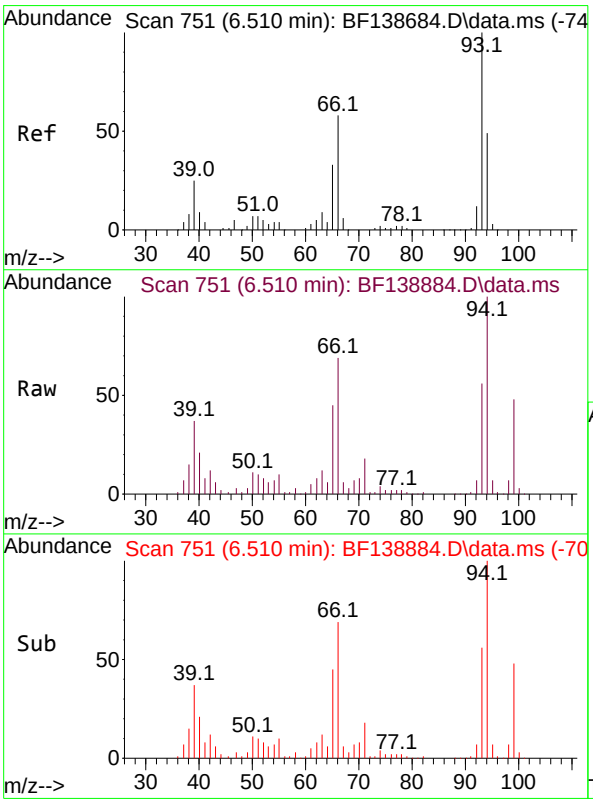
Ion	Ratio	Lower	Upper
112	100		
64	68.0	54.2	81.4
63	37.8	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

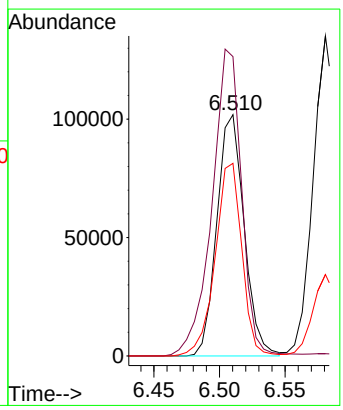
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

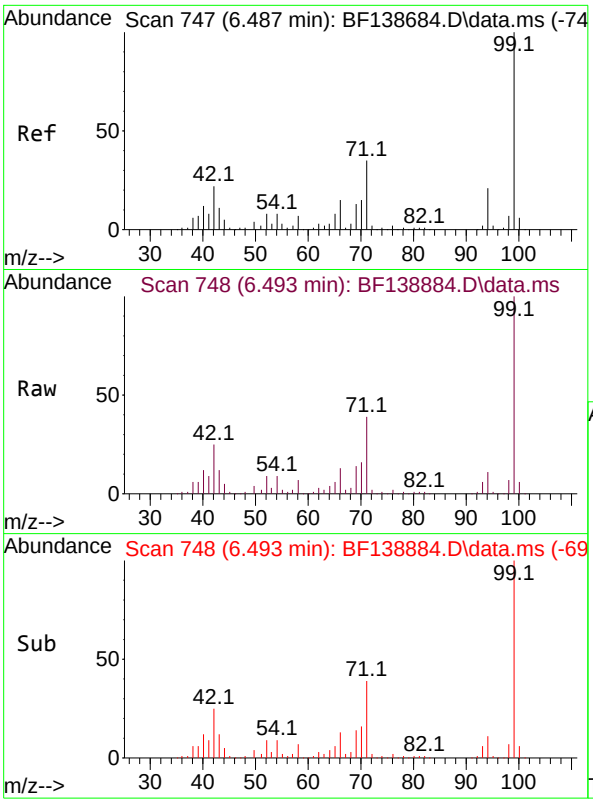


#6
Aniline
Concen: 34.748 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 93 Resp: 147325

Ion	Ratio	Lower	Upper
93	100		
66	124.0	46.9	70.3#
65	79.8	26.5	39.7#

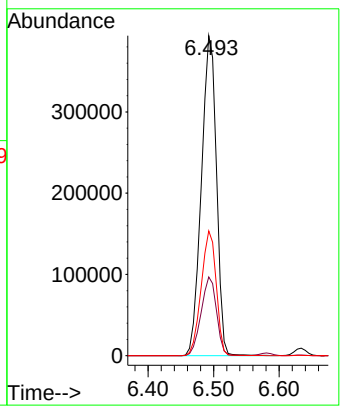




#7
Phenol-d6
Concen: 132.770 ng
RT: 6.493 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 99 Resp: 63121

Ion	Ratio	Lower	Upper
99	100		
42	24.6	17.4	26.0
71	39.0	28.1	42.1



Instrument :
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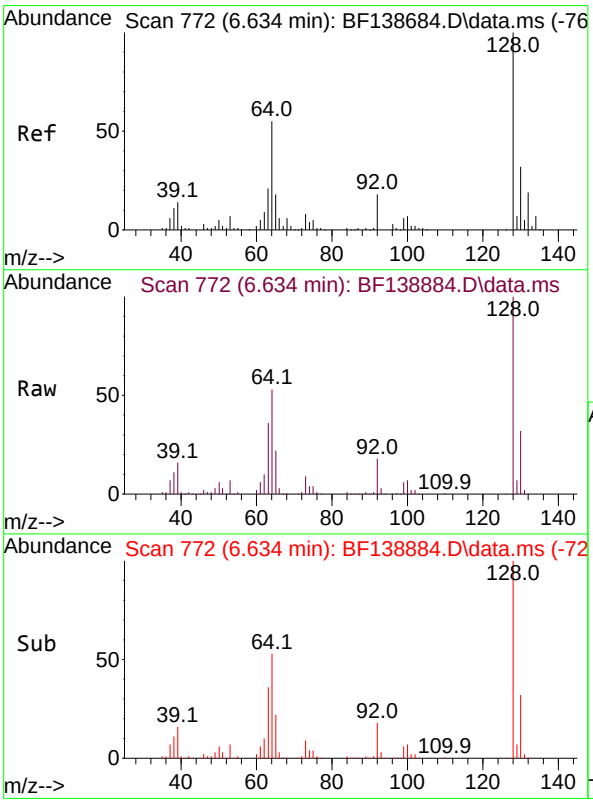
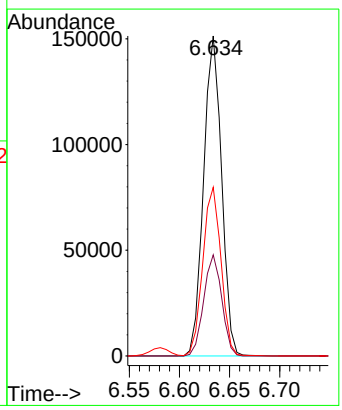
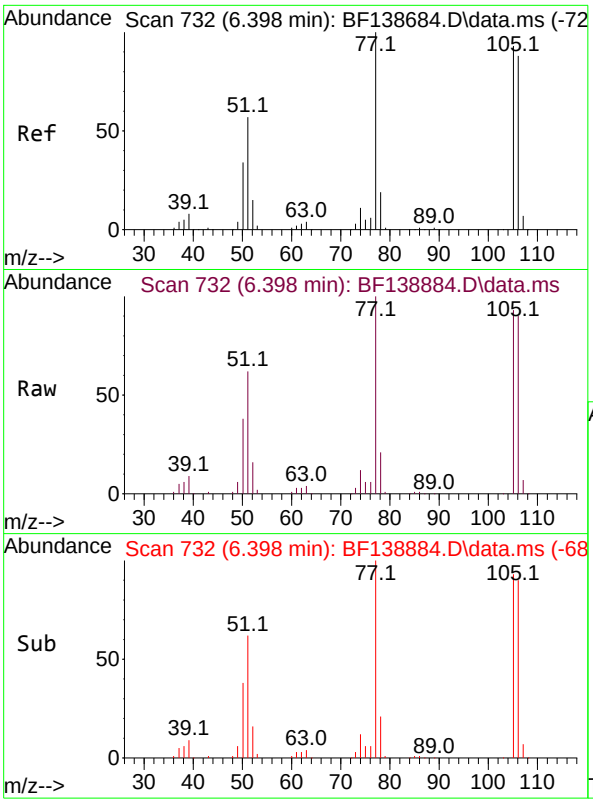


#8
2-Chlorophenol
Concen: 50.896 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:128 Resp: 189614

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.0	52.0
64	52.7	36.3	76.3

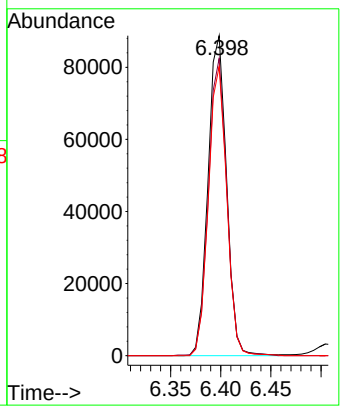




#9
Benzaldehyde
Concen: 40.037 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 77 Resp: 11410

Ion	Ratio	Lower	Upper
77	100		
105	92.9	72.9	112.9
106	90.4	68.4	108.4



Instrument :
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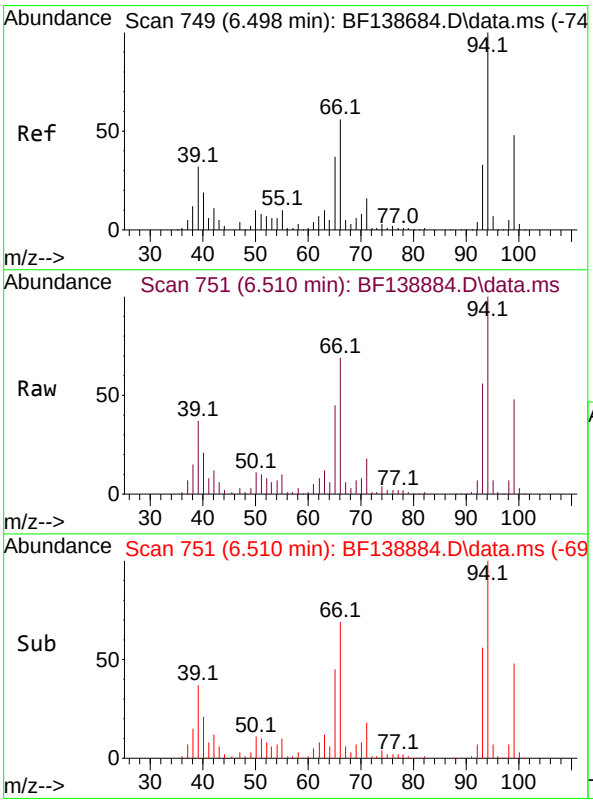
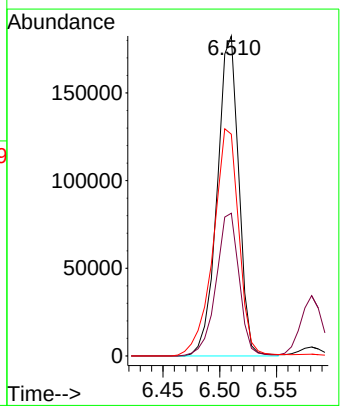
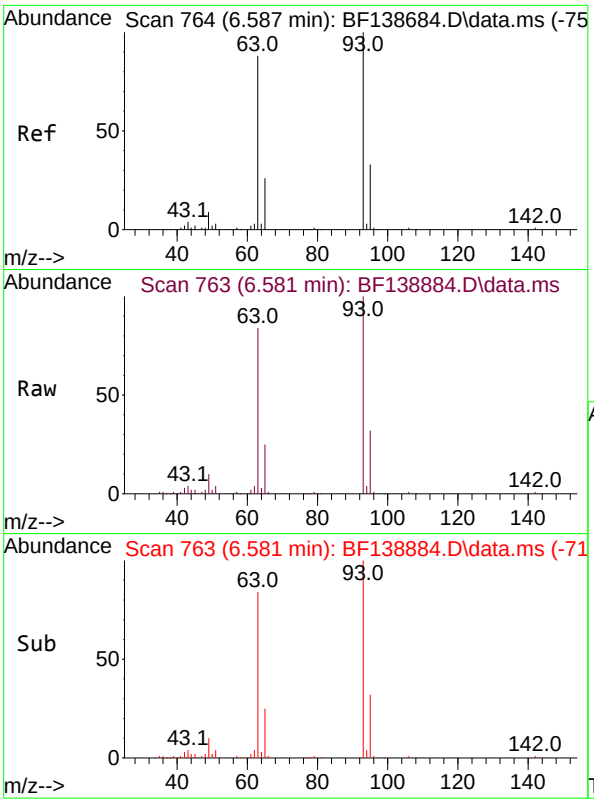


#10
Phenol
Concen: 48.169 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 94 Resp: 241114

Ion	Ratio	Lower	Upper
94	100		
65	44.6	16.9	56.9
66	69.3	36.5	76.5





#11
bis(2-Chloroethyl)ether
Concen: 45.752 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 93 Resp: 17623

Ion	Ratio	Lower	Upper
93	100		
63	84.1	65.3	105.3
95	32.4	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
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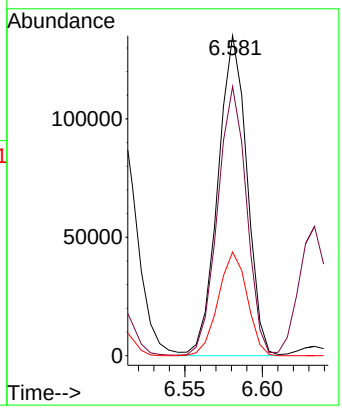
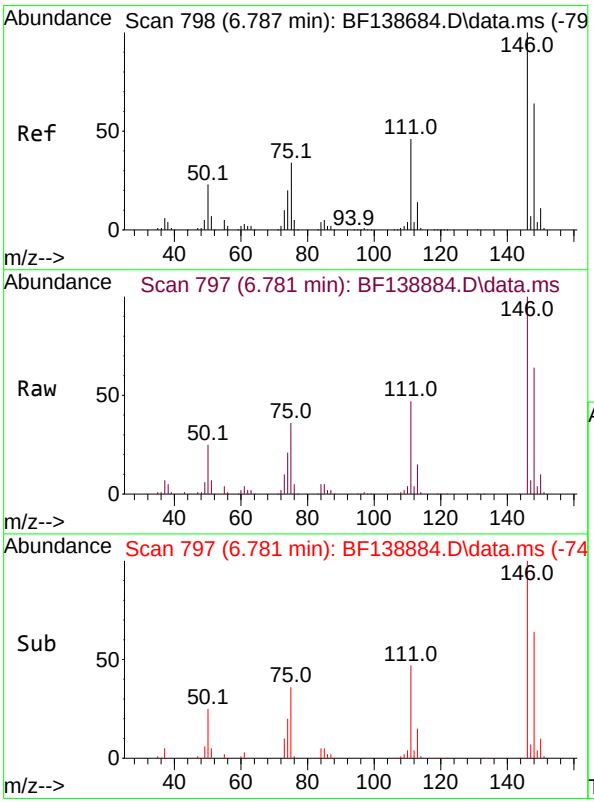
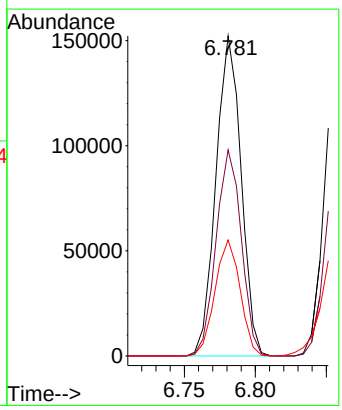


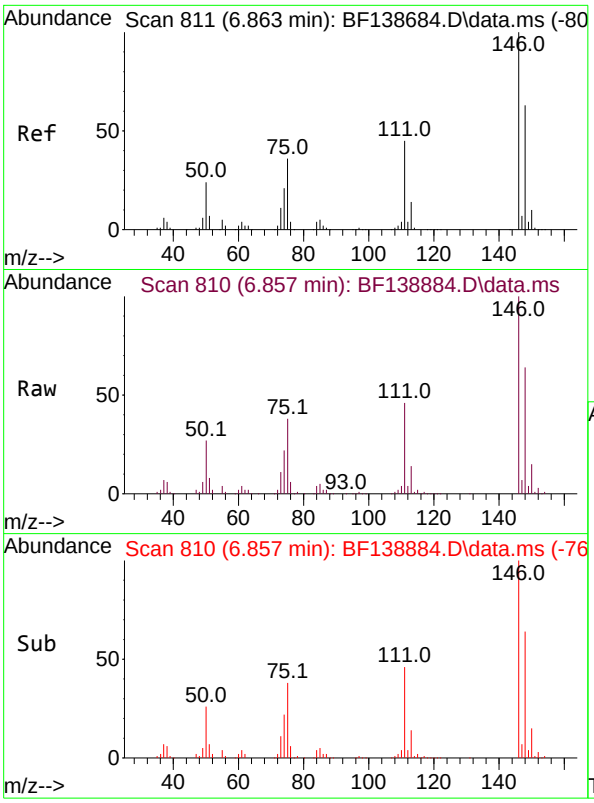


#12
1,3-Dichlorobenzene
Concen: 45.005 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:146 Resp: 187684

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	36.3	27.4	41.2

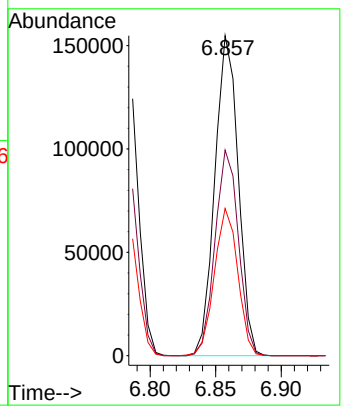




#13
1,4-Dichlorobenzene
Concen: 45.580 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:146 Resp: 19182

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.2	75.2
111	46.0	35.9	53.9



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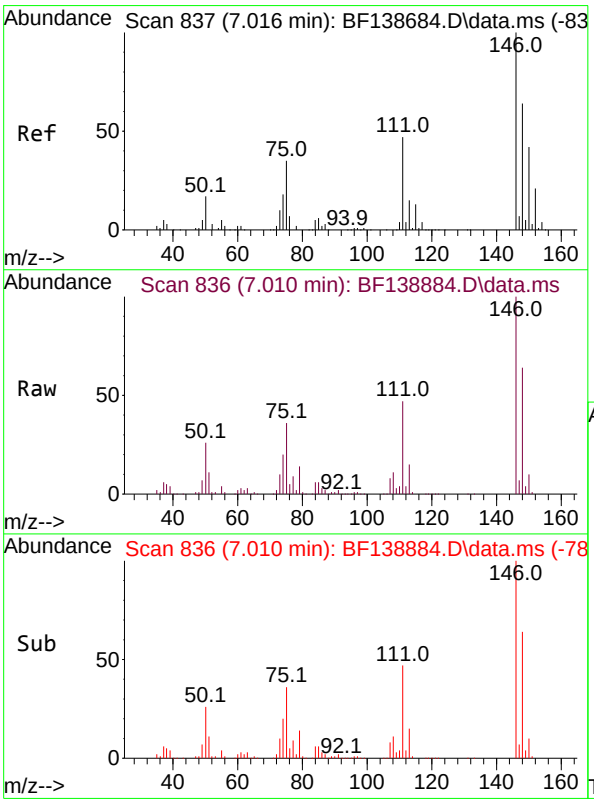
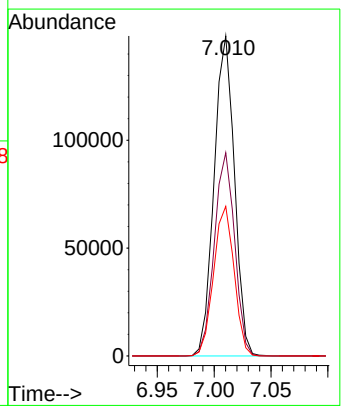
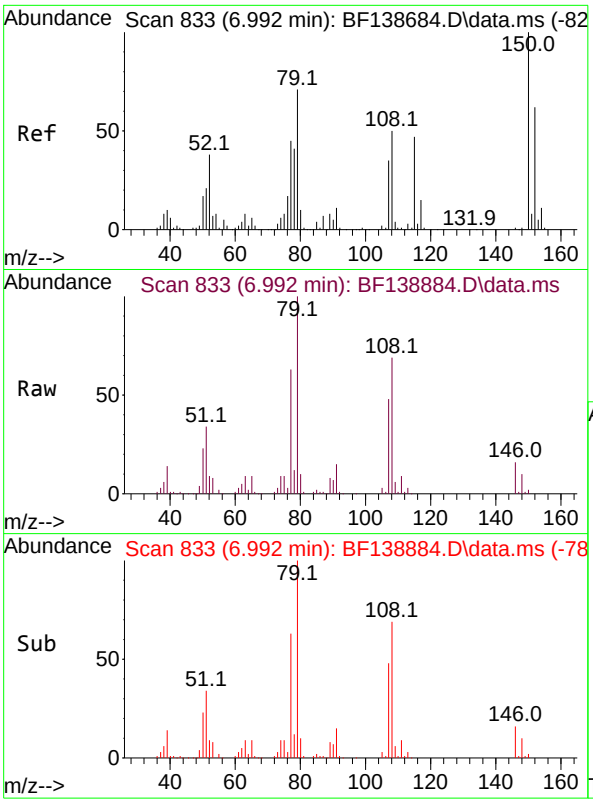


#14
1,2-Dichlorobenzene
Concen: 47.054 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:146 Resp: 185073

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	46.7	37.4	56.2





#15
Benzyl Alcohol
Concen: 52.775 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 79 Resp: 18083

Ion	Ratio	Lower	Upper
79	100		
108	69.1	56.6	85.0
77	63.3	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
PB162423BS

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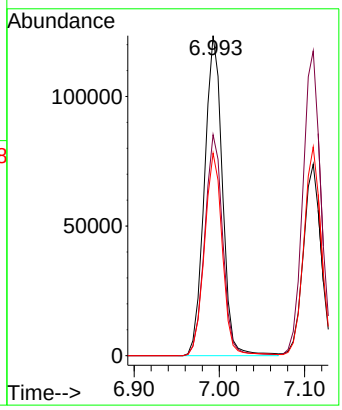
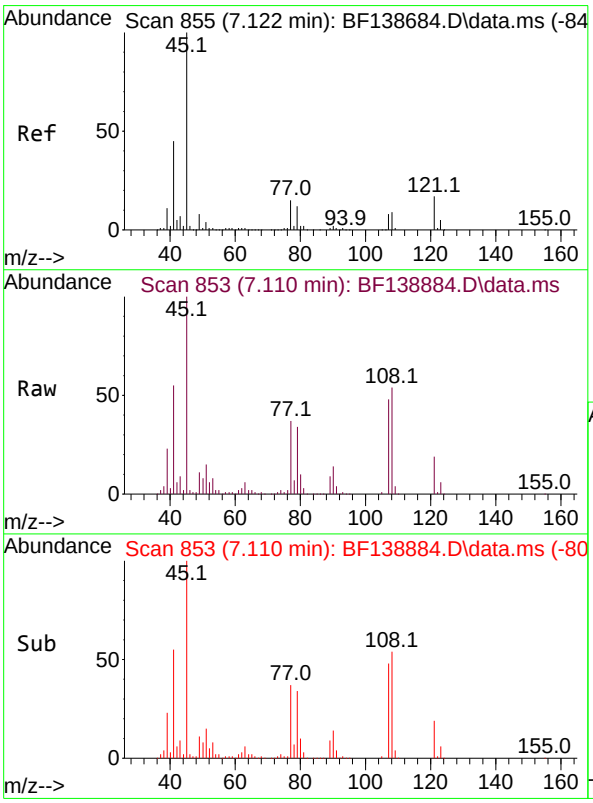
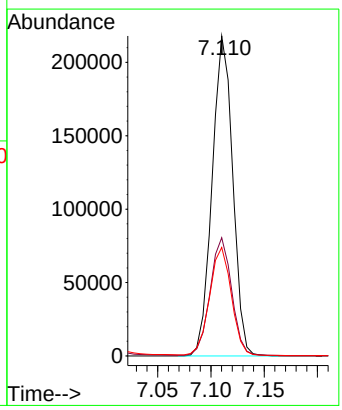


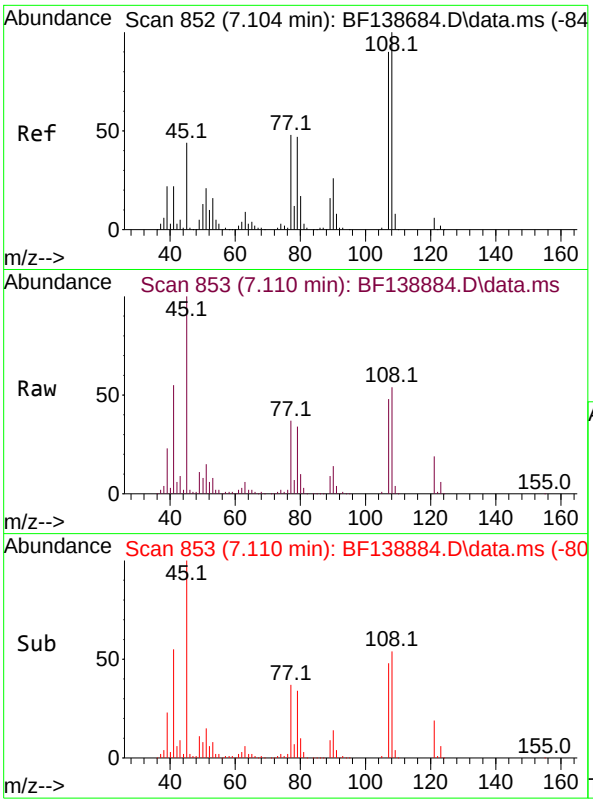


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.132 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 45 Resp: 292552

Ion	Ratio	Lower	Upper
45	100		
77	37.0	0.0	34.9#
79	33.9	0.0	32.2#

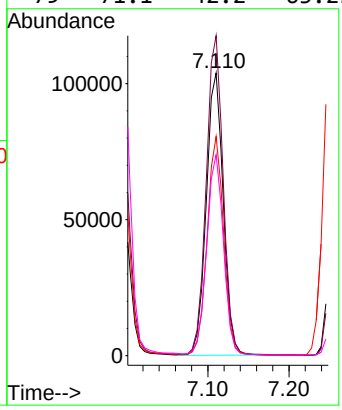




#17
2-Methylphenol
Concen: 48.839 ng
RT: 7.110 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:107 Resp: 15024

Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.2	133.8
77	77.5	43.0	64.4#
79	71.1	42.2	63.2#



Instrument :
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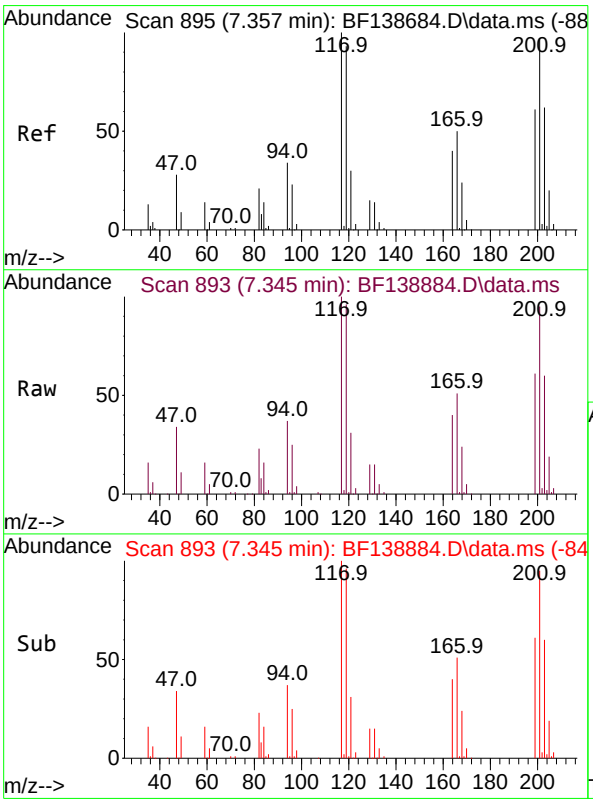
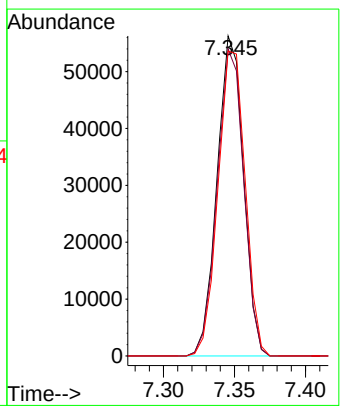
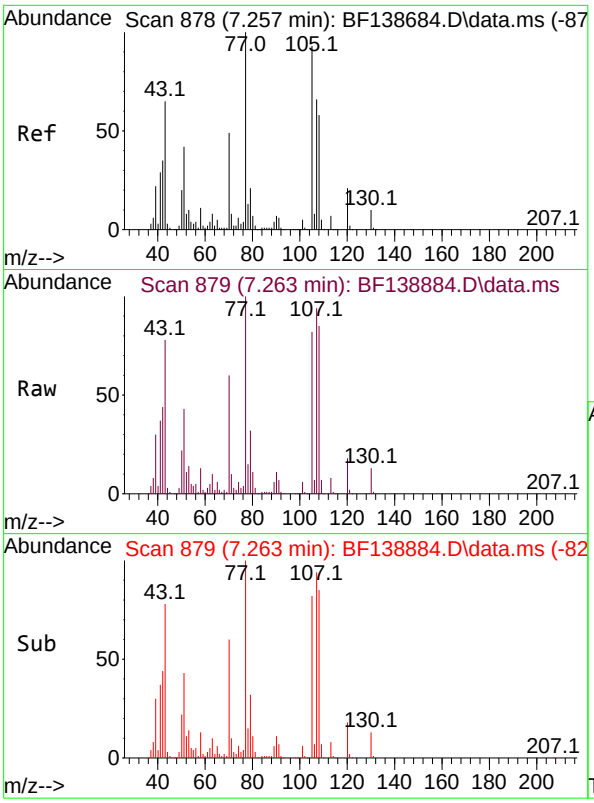


#18
Hexachloroethane
Concen: 45.950 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:117 Resp: 72794

Ion	Ratio	Lower	Upper
117	100		
119	95.9	74.6	111.8
201	95.3	77.2	115.8

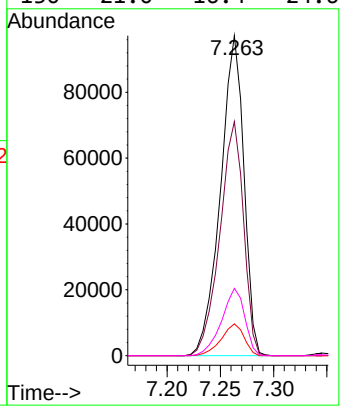




#19
n-Nitroso-di-n-propylamine
Concen: 51.712 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 70 Resp: 14848

Ion	Ratio	Lower	Upper
70	100		
42	73.2	57.4	86.0
101	10.0	7.5	11.3
130	21.0	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
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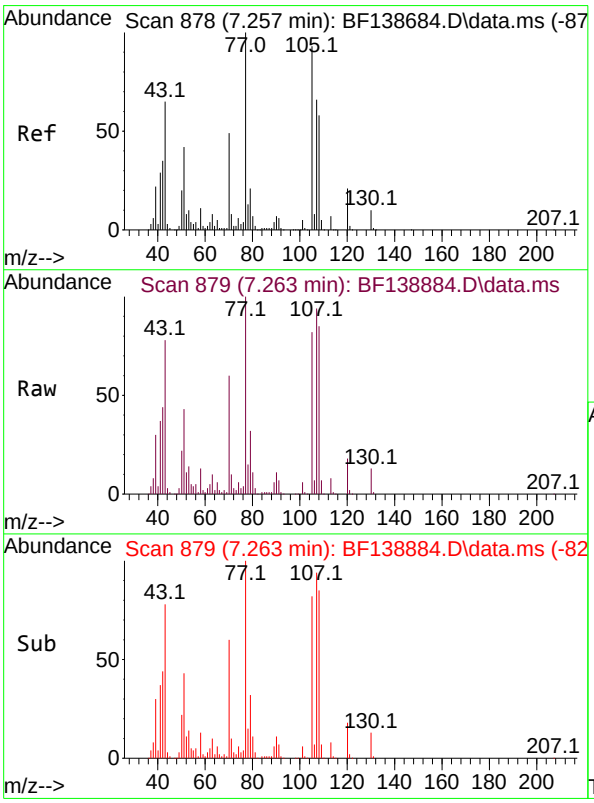
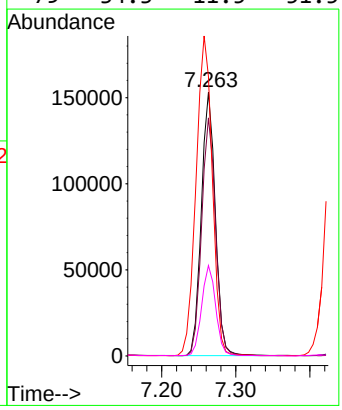
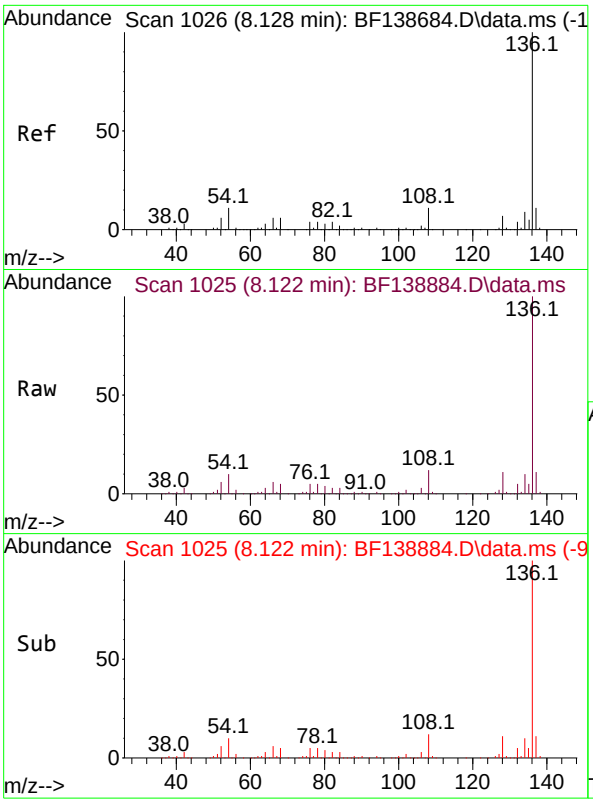


#20
3+4-Methylphenols
Concen: 51.017 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:107 Resp: 201368

Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.2	108.2
77	106.0	132.1	172.1#
79	34.3	11.5	51.5

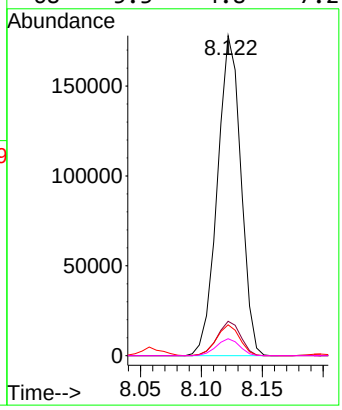




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:136 Resp: 23961

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.6	8.6	12.8
68	5.3	4.8	7.2



Instrument :
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ClientSampleId :
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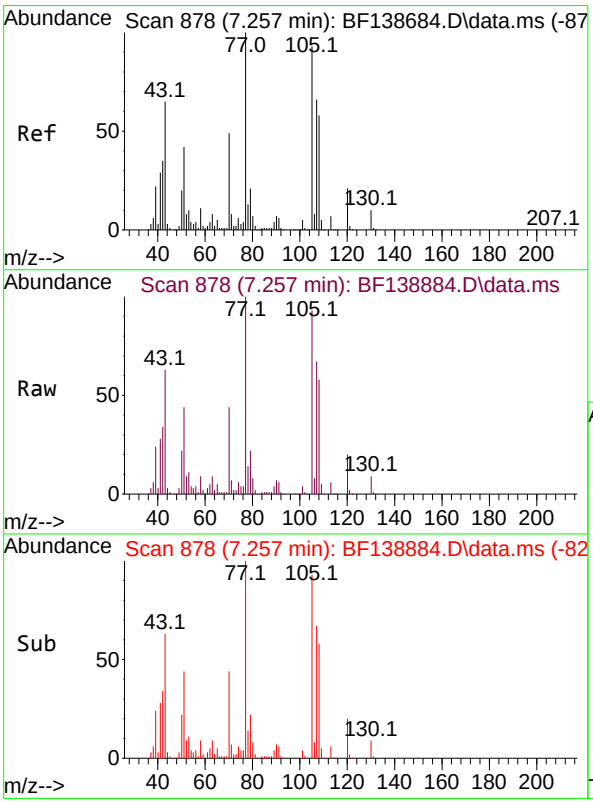
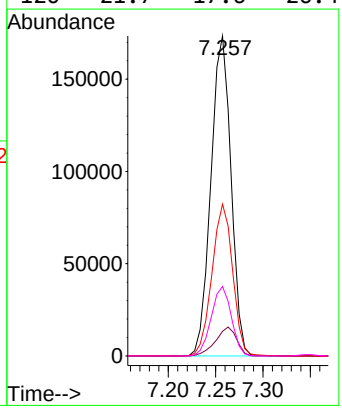
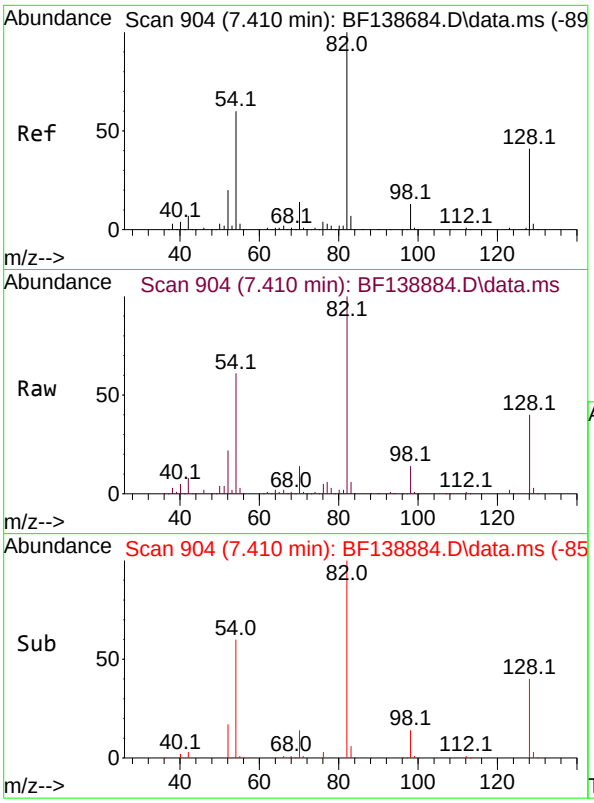


#22
Acetophenone
Concen: 43.560 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:105 Resp: 255561

Ion	Ratio	Lower	Upper
105	100		
71	7.7	7.2	10.8
51	47.4	35.9	53.9
120	21.7	17.6	26.4

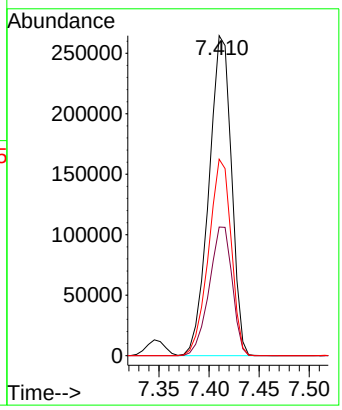




#23
Nitrobenzene-d5
Concen: 84.691 ng
RT: 7.410 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 82 Resp: 41505

Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.8	49.2
54	61.4	48.3	72.5



Instrument :
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ClientSampleId :
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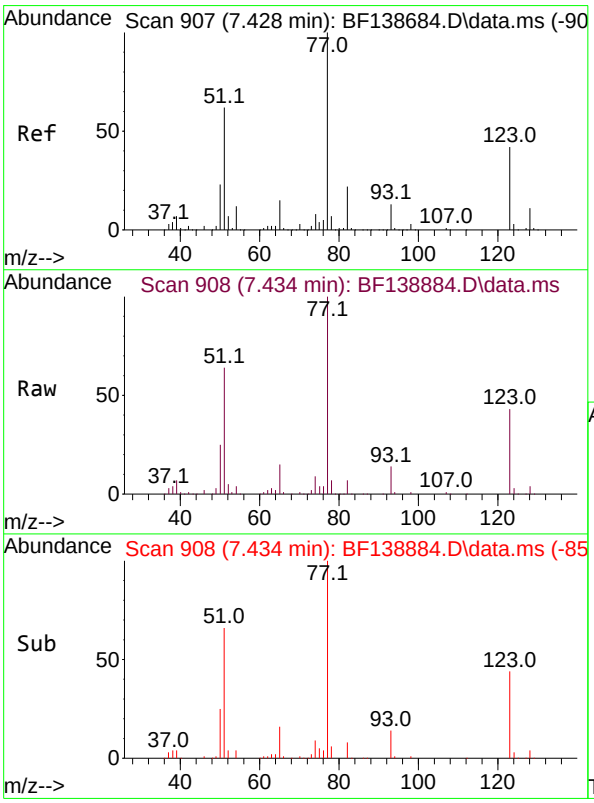
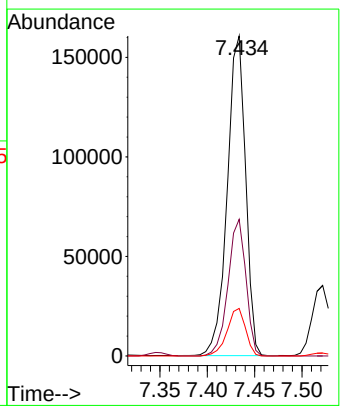
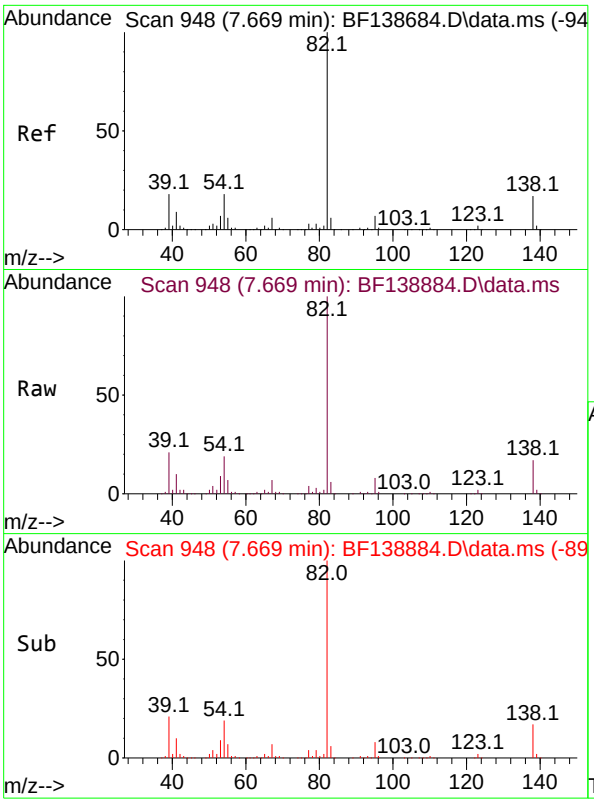


#24
Nitrobenzene
Concen: 43.241 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 77 Resp: 215643

Ion	Ratio	Lower	Upper
77	100		
123	42.7	33.3	49.9
65	14.8	11.9	17.9

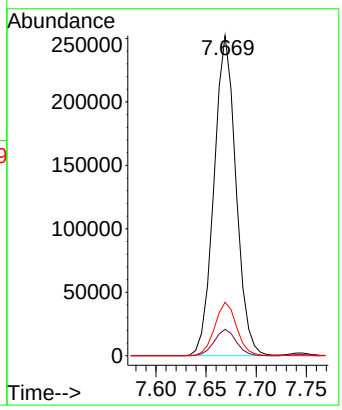




#25
Isophorone
Concen: 45.835 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 82 Resp: 38356

Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.7	8.5
138	16.7	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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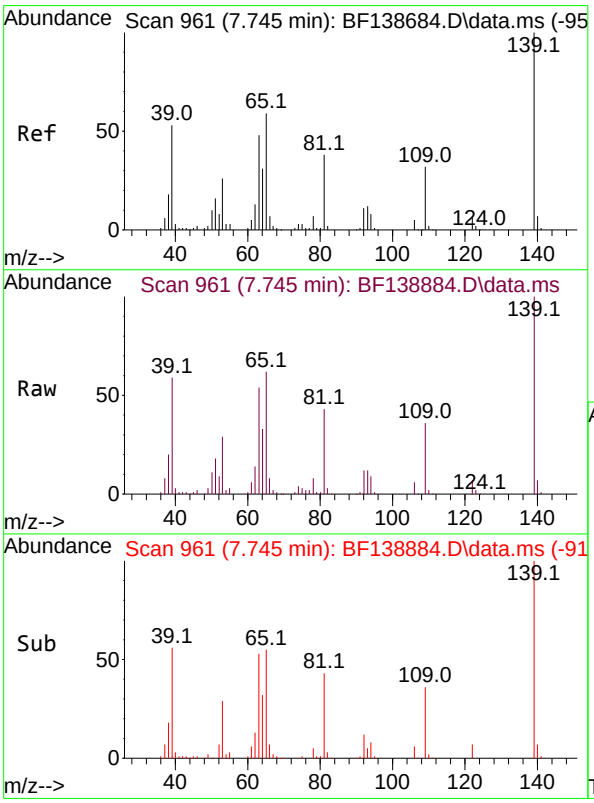
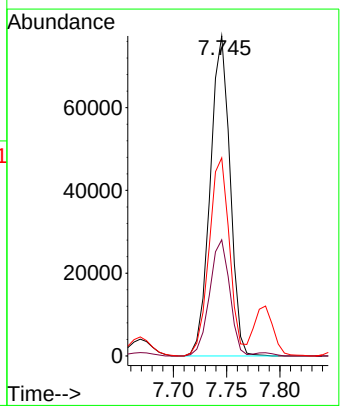
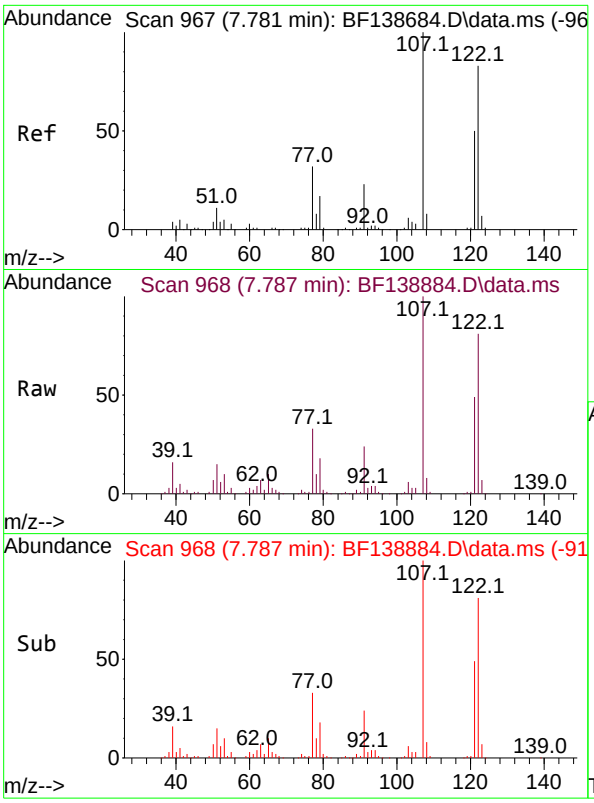


#26
2-Nitrophenol
Concen: 46.559 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:139 Resp: 99896

Ion	Ratio	Lower	Upper
139	100		
109	36.3	25.9	38.9
65	61.9	47.0	70.6

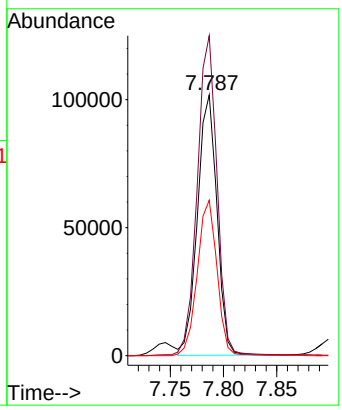




#27
2,4-Dimethylphenol
Concen: 50.583 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:122 Resp: 12985

Ion	Ratio	Lower	Upper
122	100		
107	122.7	95.0	142.6
121	59.7	47.3	70.9



Instrument :
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ClientSampleId :
PB162423BS

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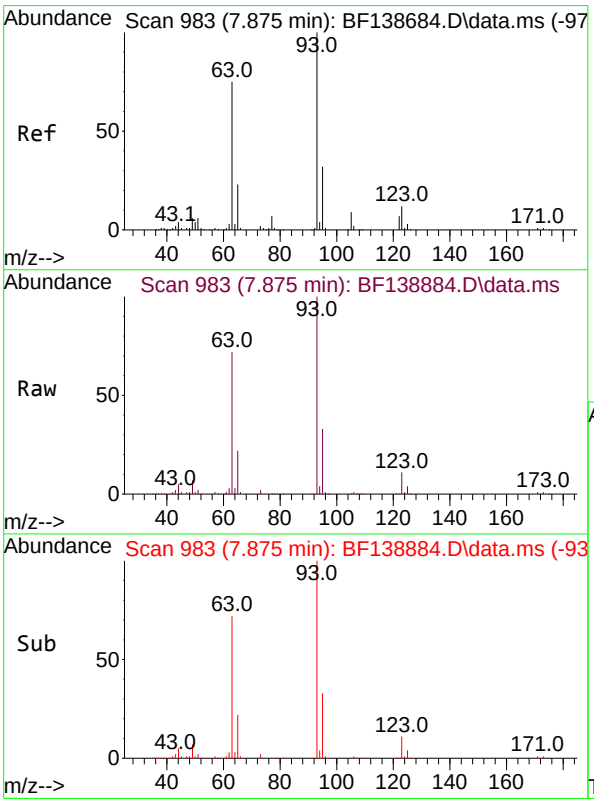
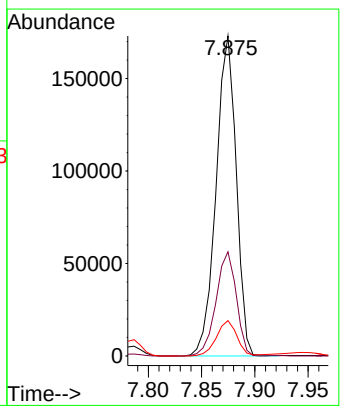
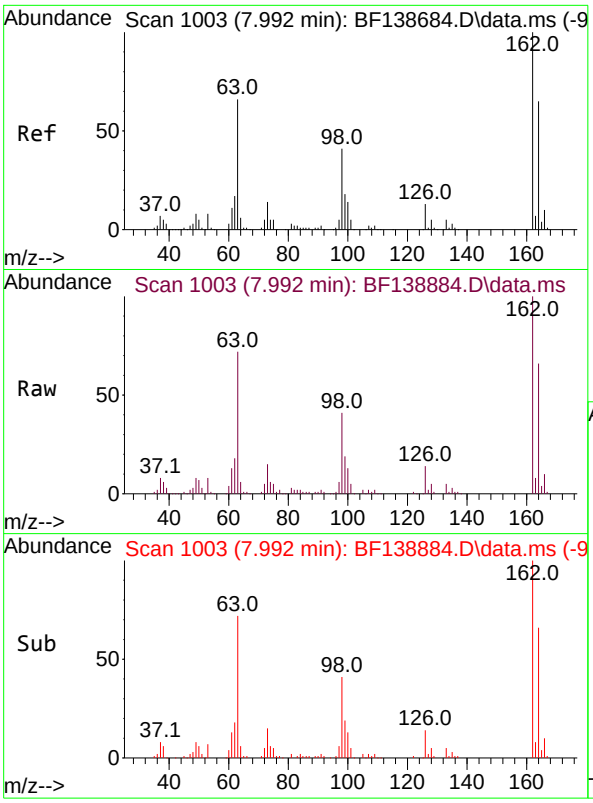


#28
bis(2-Chloroethoxy)methane
Concen: 44.671 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 93 Resp: 227649

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.0	9.4	14.0

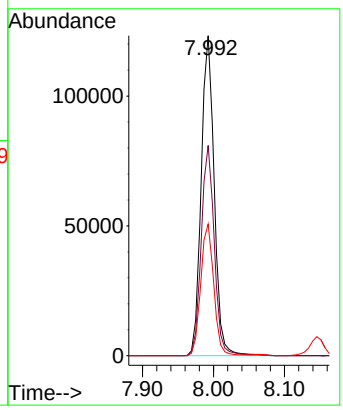




#29
2,4-Dichlorophenol
Concen: 47.741 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:162 Resp: 15748

Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.7	84.7
98	41.2	20.8	60.8



Instrument :
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ClientSampleId :
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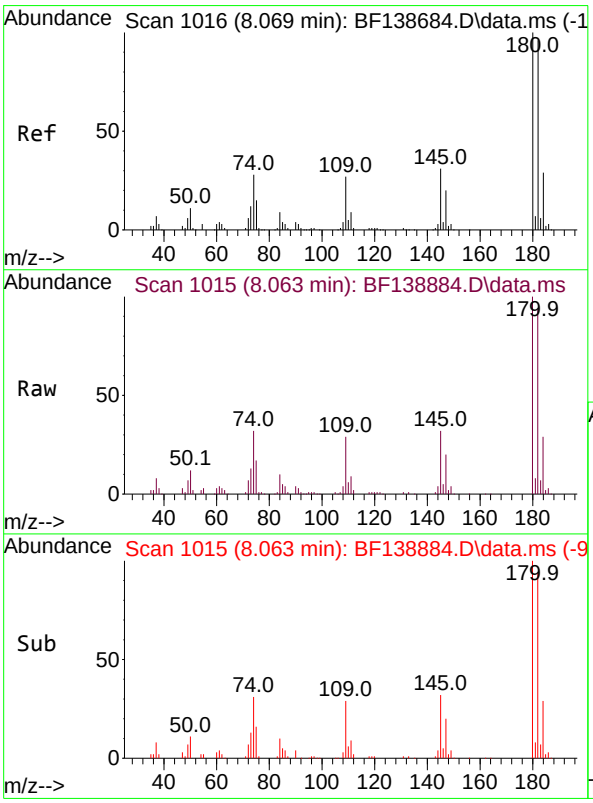
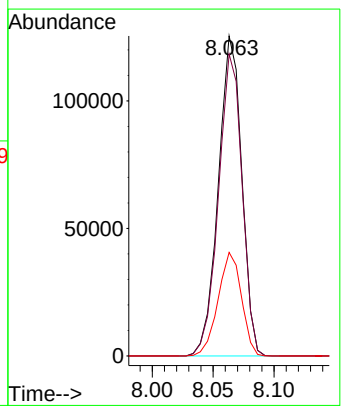
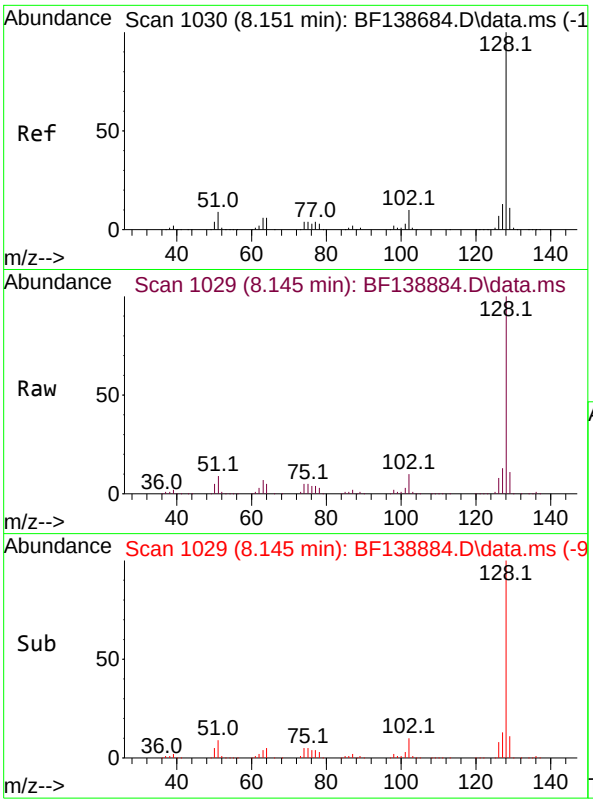


#30
1,2,4-Trichlorobenzene
Concen: 44.120 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:180 Resp: 167955

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.9	115.3
145	32.4	25.0	37.4

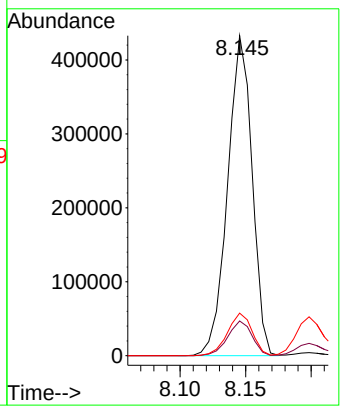




#31
Naphthalene
Concen: 44.654 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:128 Resp: 5631

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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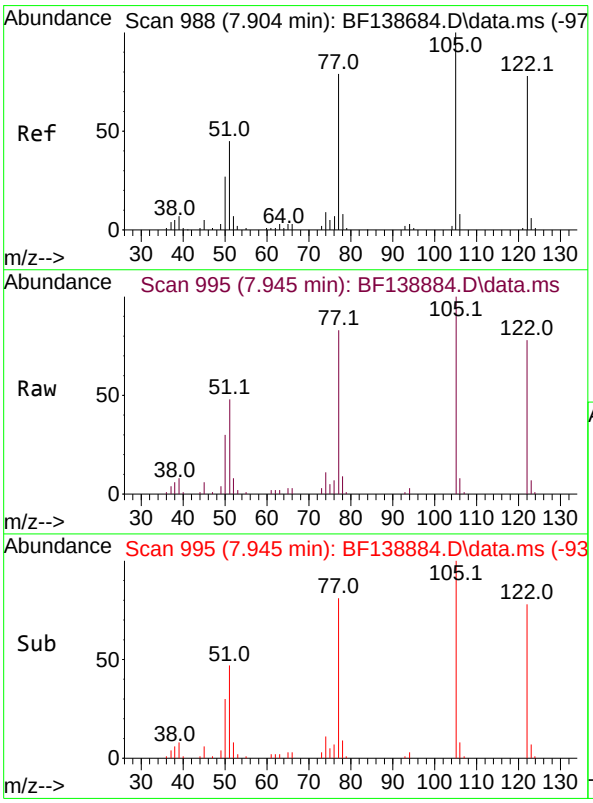
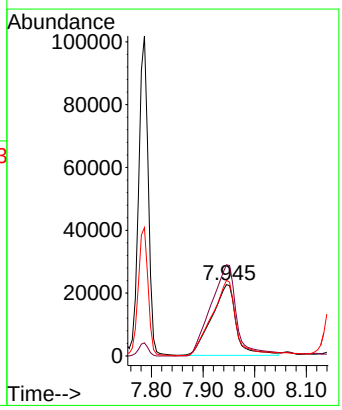
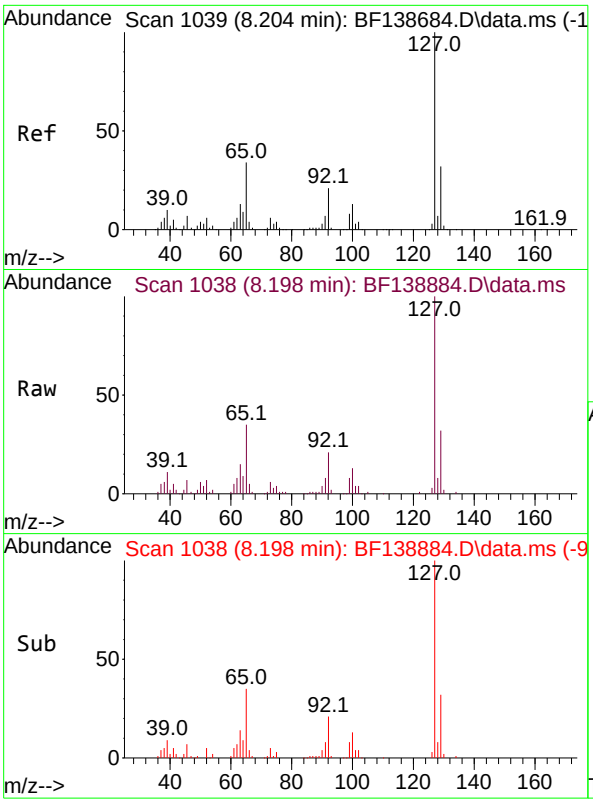


#32
Benzoic acid
Concen: 36.770 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.041 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:122 Resp: 74199

Ion	Ratio	Lower	Upper
122	100		
105	127.8	106.7	146.7
77	106.1	81.1	121.1

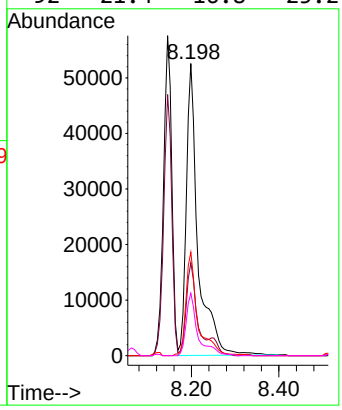




#33
4-Chloroaniline
Concen: 23.109 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:127 Resp: 9783

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	35.4	27.6	41.4
92	21.4	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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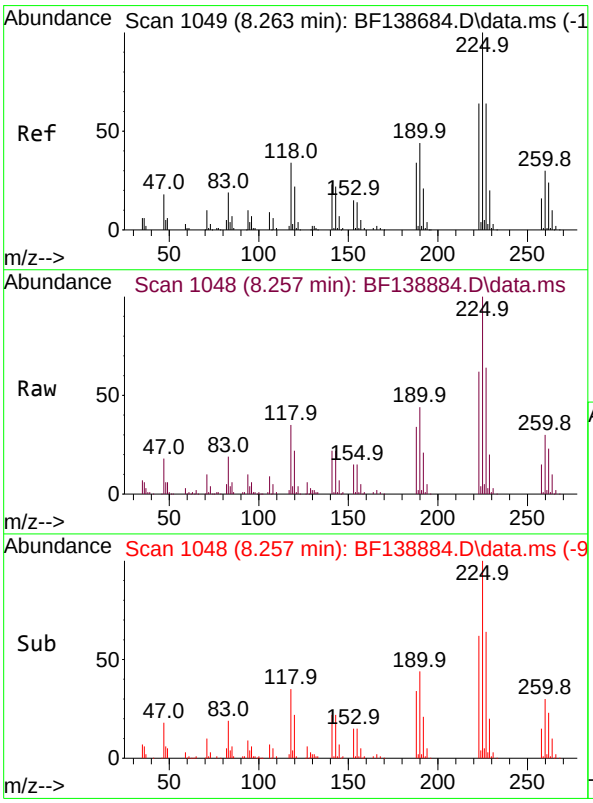
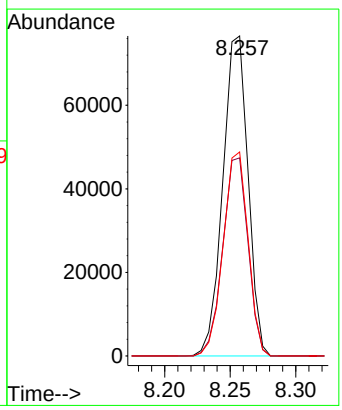
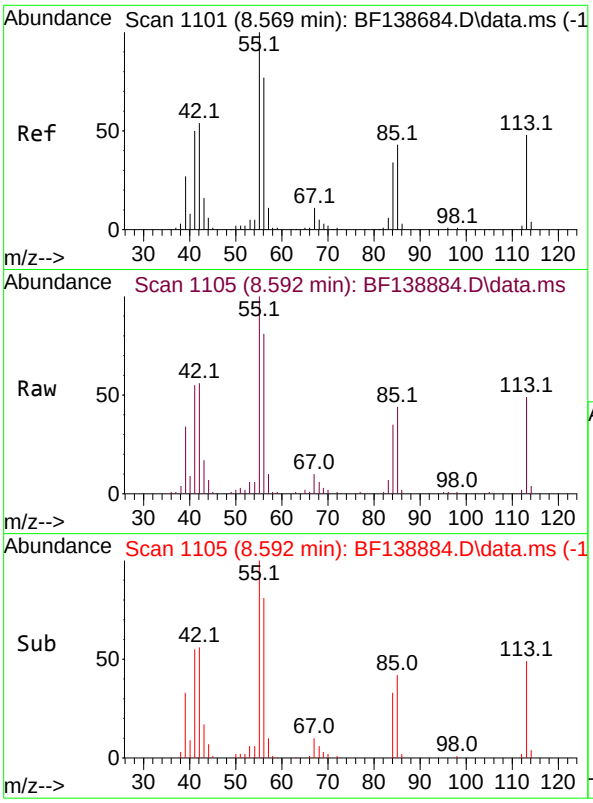


#34
Hexachlorobutadiene
Concen: 44.416 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:225 Resp: 102412

Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.2	76.8
227	63.7	51.1	76.7

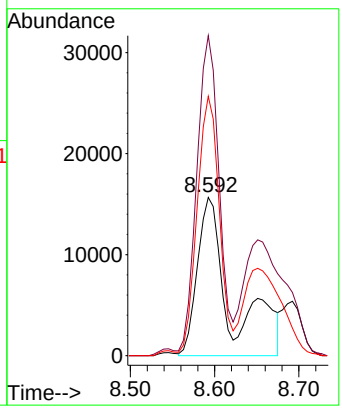




#35
Caprolactam
Concen: 43.680 ng m
RT: 8.592 min Scan# 1
Delta R.T. 0.024 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:113 Resp: 4299

Ion	Ratio	Lower	Upper
113	100		
55	202.2	186.7	226.7
56	163.9	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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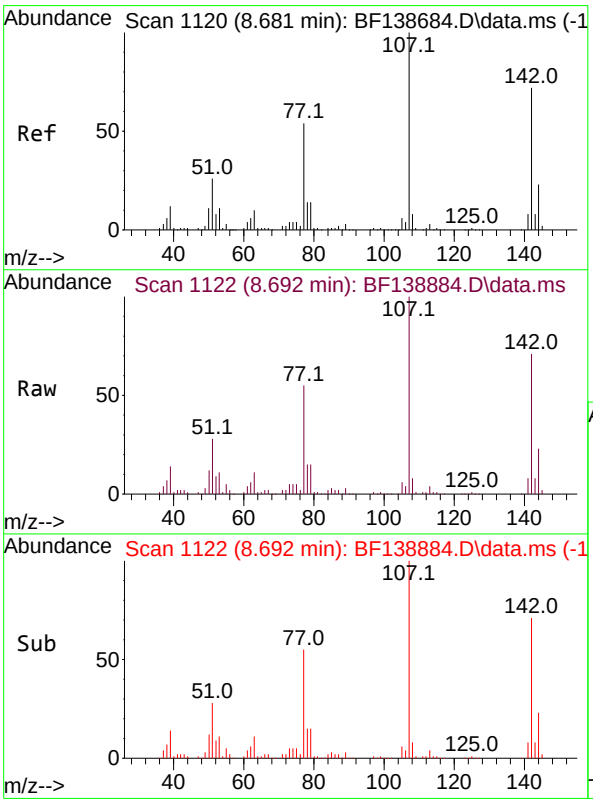
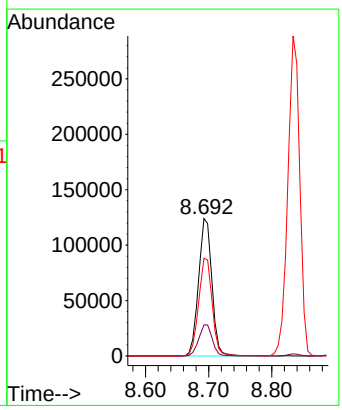
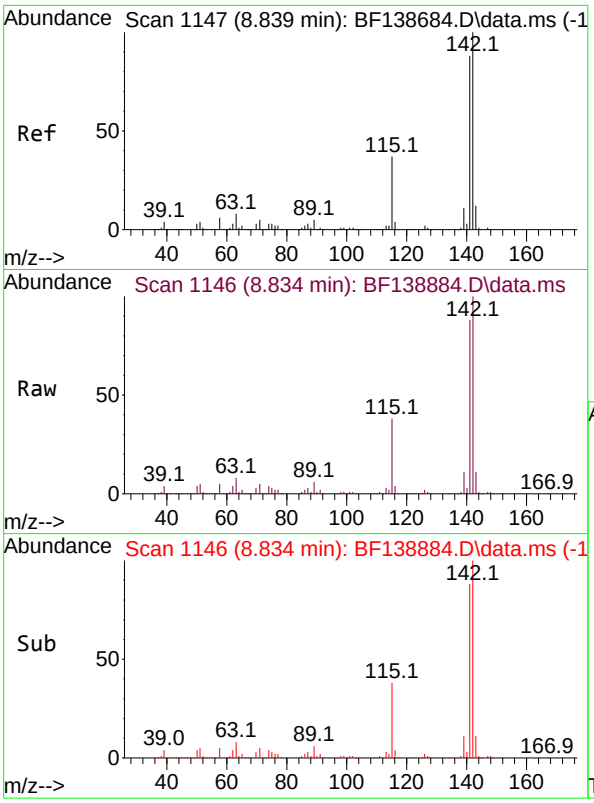


#36
4-Chloro-3-methylphenol
Concen: 48.498 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:107 Resp: 182831

Ion	Ratio	Lower	Upper
107	100		
144	22.6	18.2	27.2
142	71.1	57.4	86.2





#37
2-Methylnaphthalene
Concen: 47.487 ng
RT: 8.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:142 Resp: 37825

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
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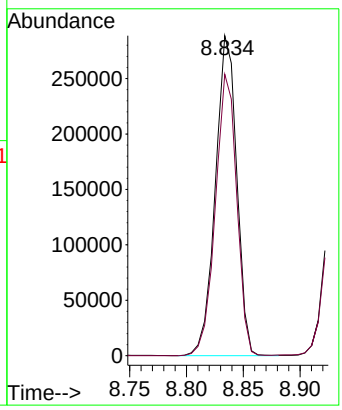
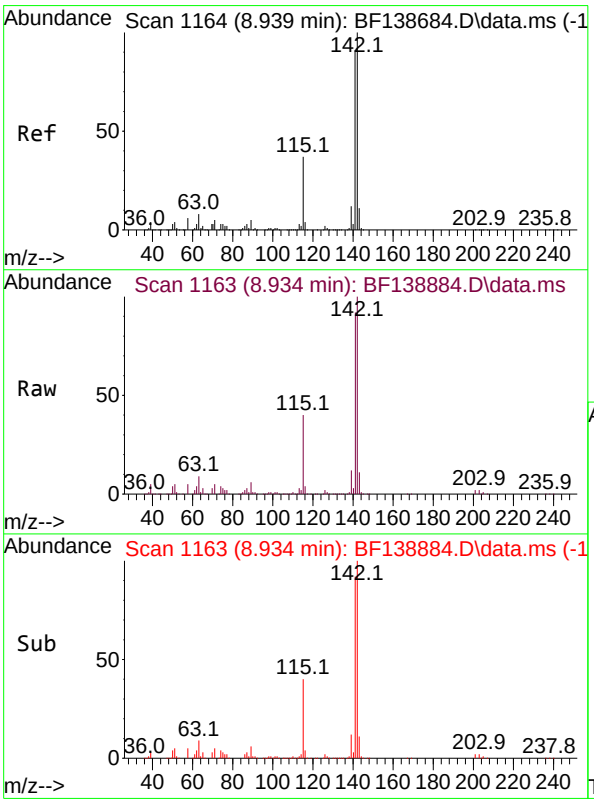
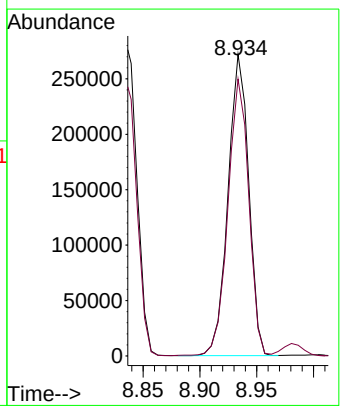


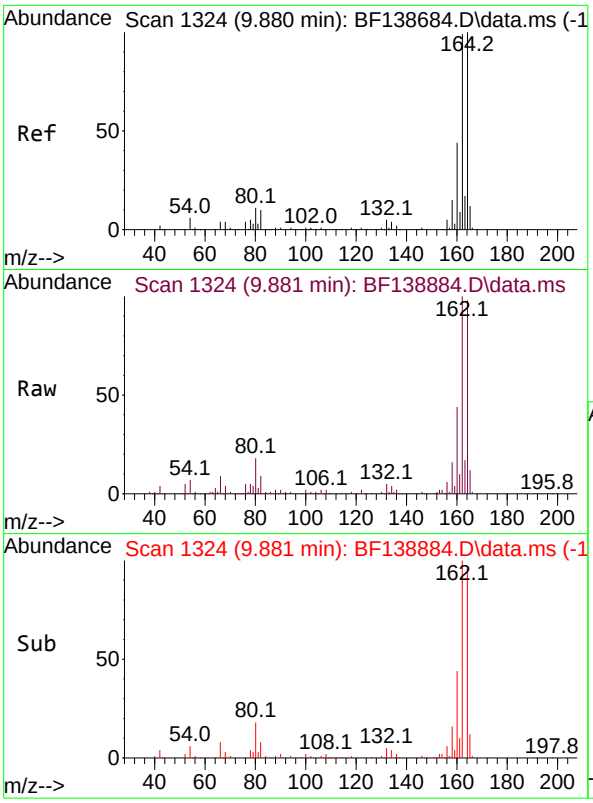


#38
1-Methylnaphthalene
Concen: 44.045 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:142 Resp: 343784

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.1	109.7

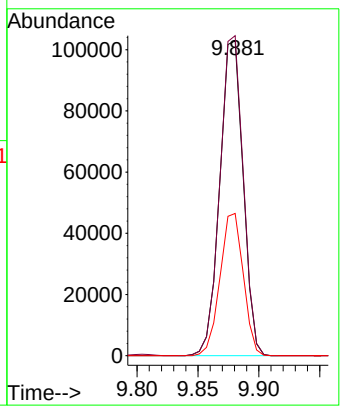




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:164 Resp: 13745

Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.4	119.0
160	45.2	35.1	52.7



Instrument :
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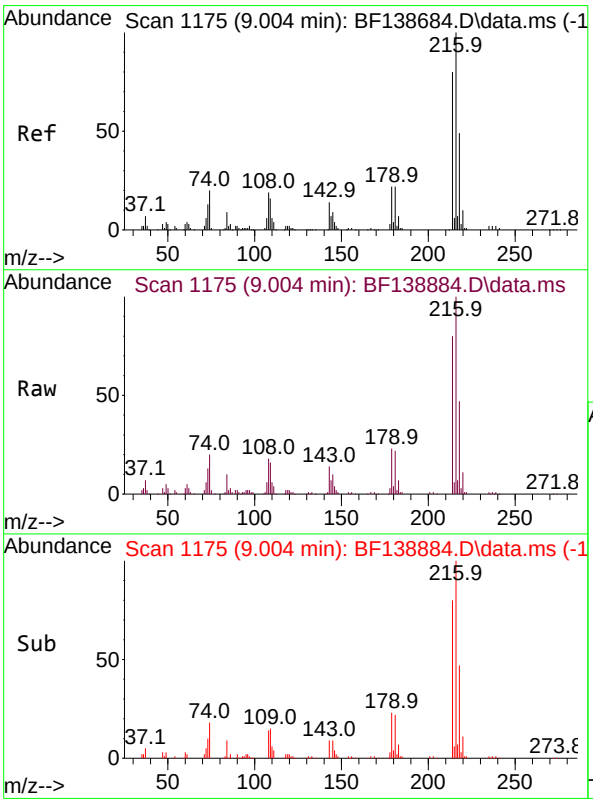
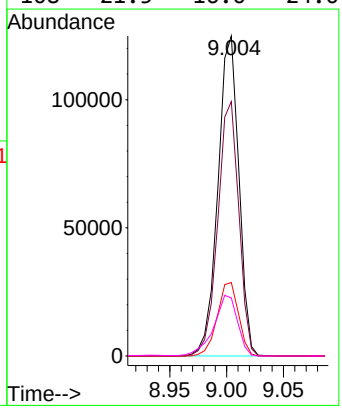
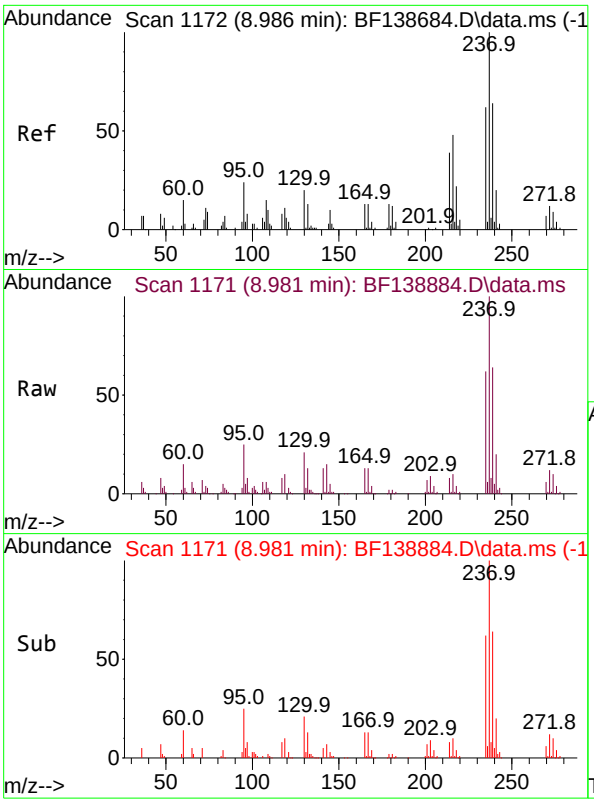


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.914 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:216 Resp: 160044

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.9	95.9
179	23.4	17.8	26.6
108	21.5	16.0	24.0

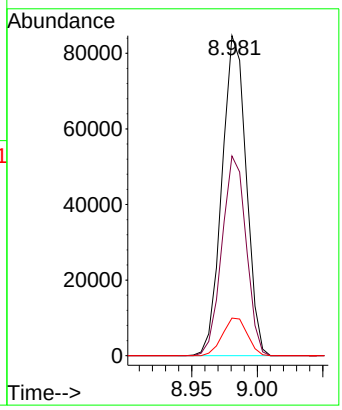




#41
Hexachlorocyclopentadiene
Concen: 105.078 ng
RT: 8.981 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:237 Resp: 10861

Ion	Ratio	Lower	Upper
237	100		
235	62.4	41.8	81.8
272	11.8	0.0	32.2



Instrument :
BNA_F
ClientSampleId :
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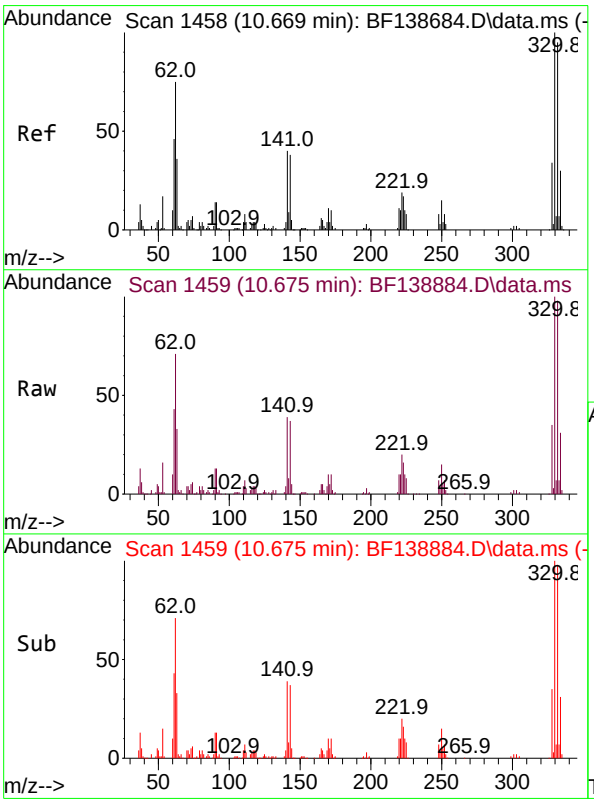
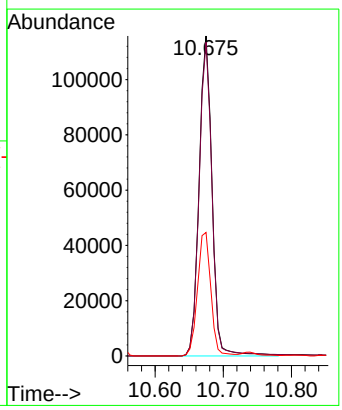
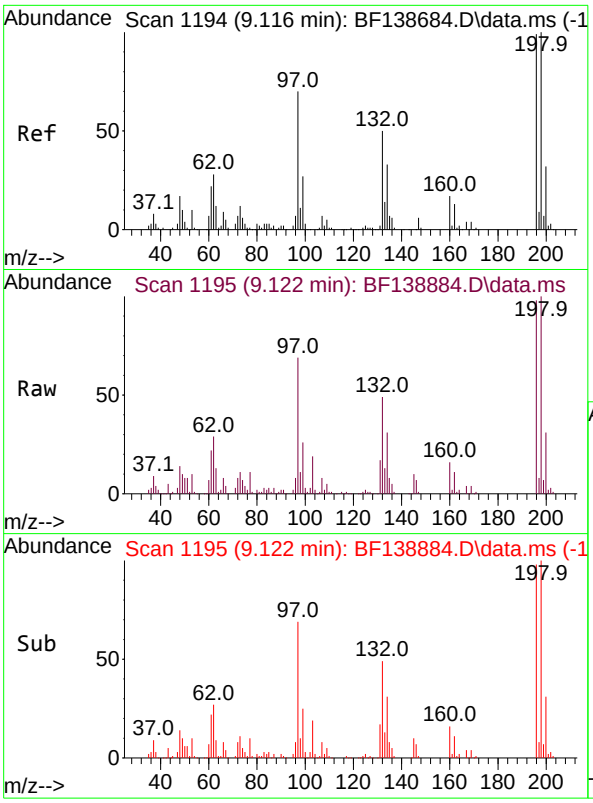


#42
2,4,6-Tribromophenol
Concen: 135.760 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:330 Resp: 152861

Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.4	114.6
141	39.8	31.1	46.7

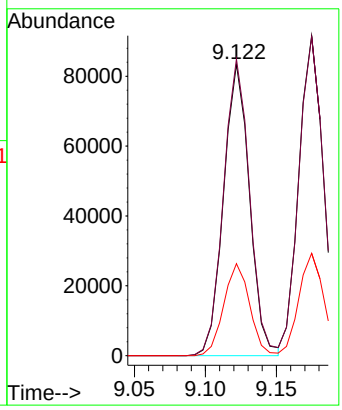




#43
2,4,6-Trichlorophenol
Concen: 45.633 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:196 Resp: 10623

Ion	Ratio	Lower	Upper
196	100		
198	101.9	80.5	120.7
200	31.6	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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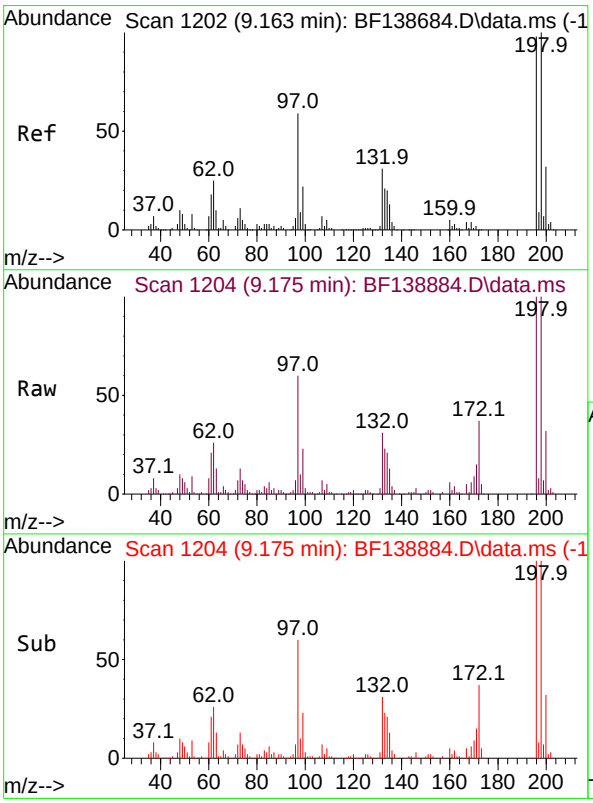
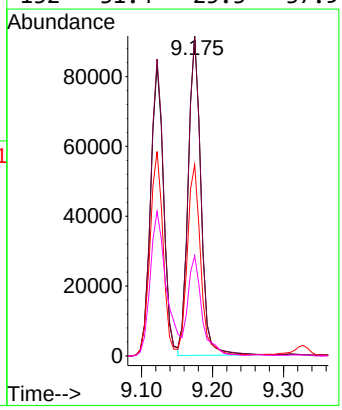
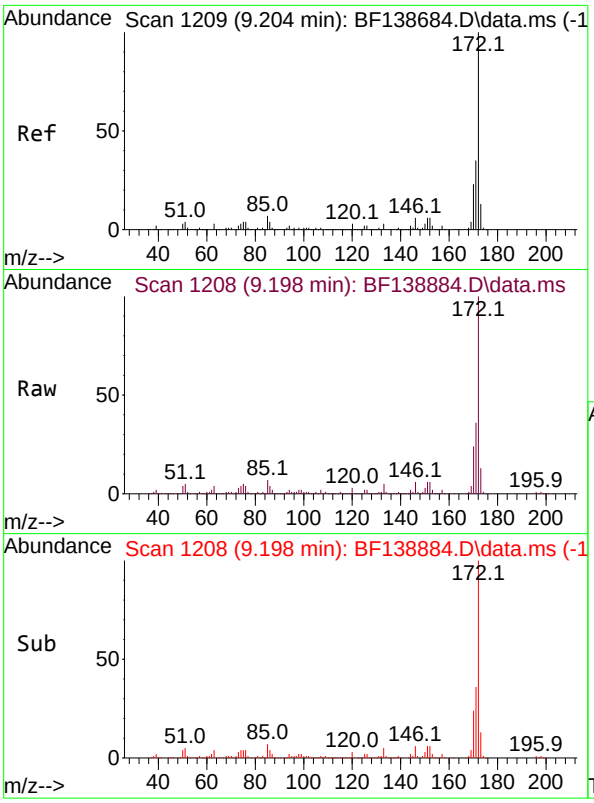


#44
2,4,5-Trichlorophenol
Concen: 44.656 ng
RT: 9.175 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:196 Resp: 113656

Ion	Ratio	Lower	Upper
196	100		
198	99.6	81.2	121.8
97	59.8	47.8	71.6
132	31.4	25.3	37.9

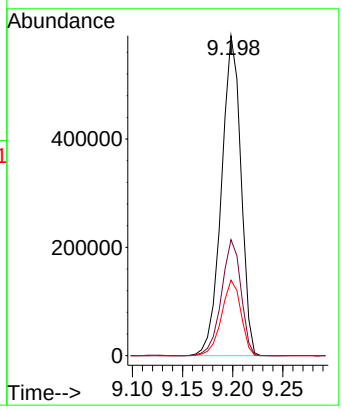




#45
2-Fluorobiphenyl
Concen: 86.954 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:172 Resp: 79551

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.3	42.5
170	23.6	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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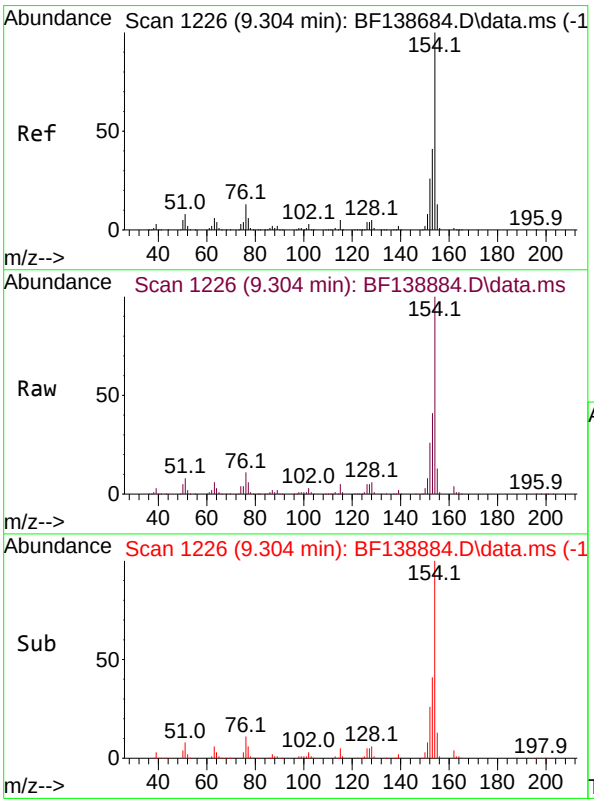
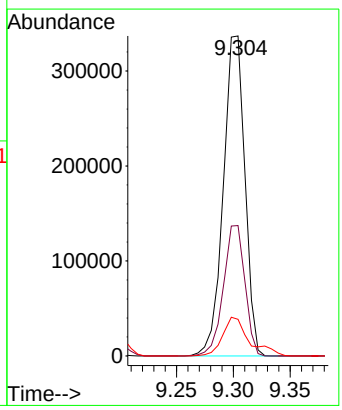
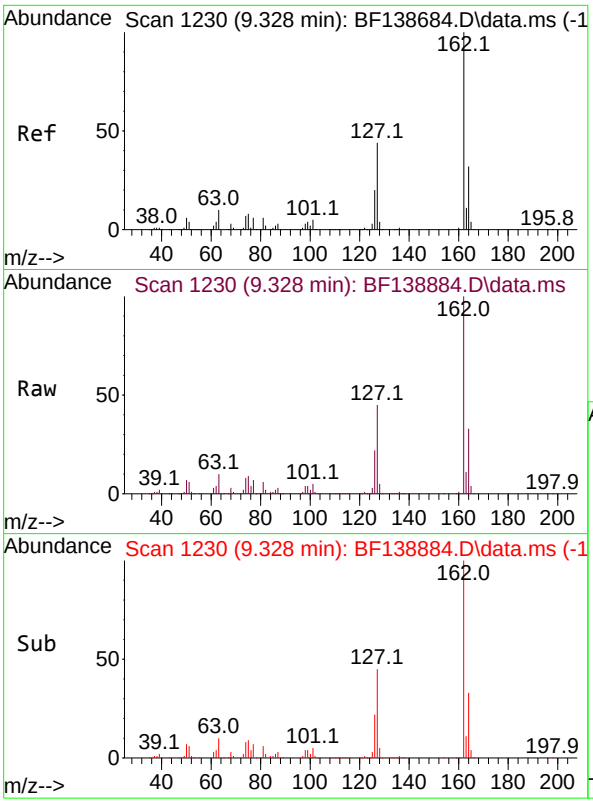


#46
1,1'-Biphenyl
Concen: 41.383 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:154 Resp: 445508

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.8	60.8
76	11.5	0.0	32.8

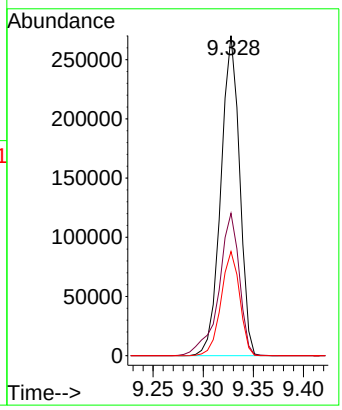




#47
2-Chloronaphthalene
Concen: 43.720 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:162 Resp: 35004

Ion	Ratio	Lower	Upper
162	100		
127	44.5	35.4	53.2
164	32.6	25.6	38.4



Instrument :
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ClientSampleId :
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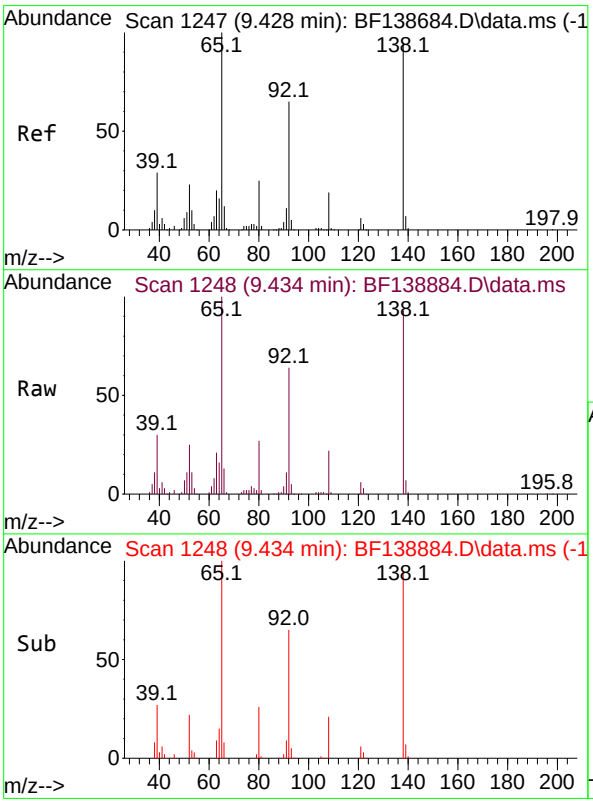
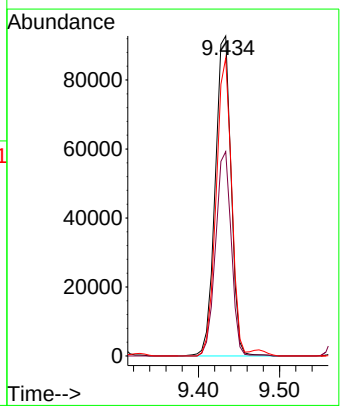
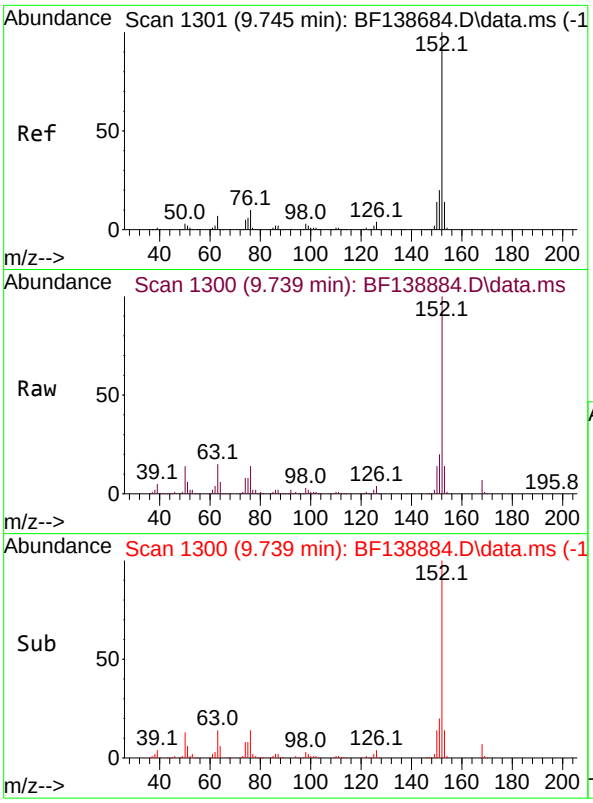


#48
2-Nitroaniline
Concen: 46.637 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 65 Resp: 126588

Ion	Ratio	Lower	Upper
65	100		
92	63.8	52.0	78.0
138	93.1	76.2	114.4

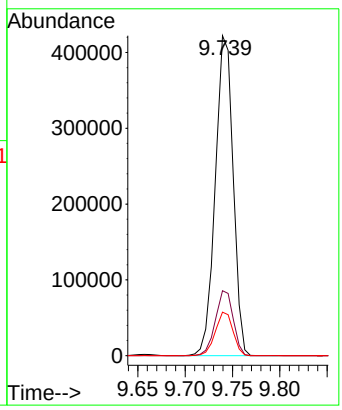




#49
Acenaphthylene
Concen: 48.769 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:152 Resp: 55381

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.6	11.0	16.4



Instrument :
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ClientSampleId :
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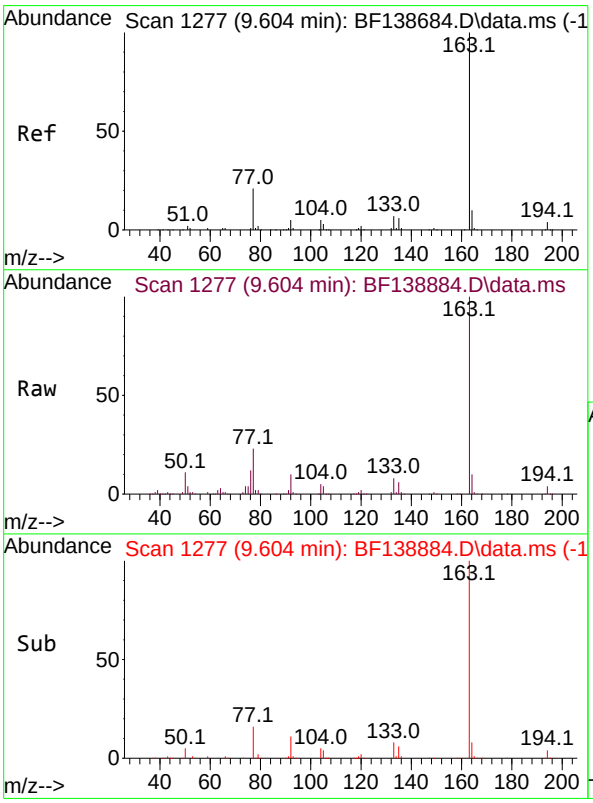
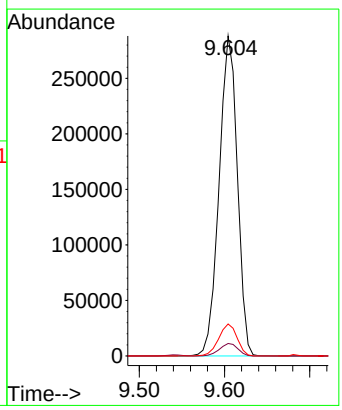
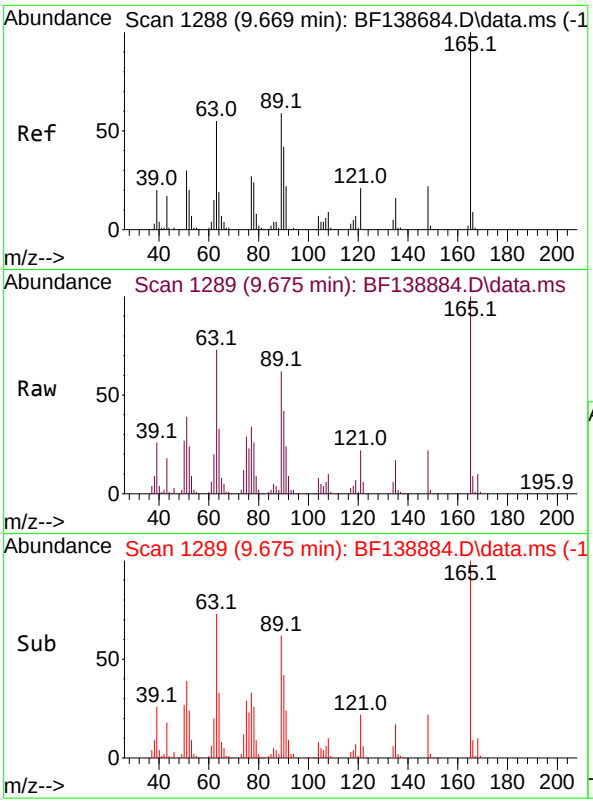


#50
Dimethylphthalate
Concen: 48.785 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:163 Resp: 428780

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.0	7.8	11.8

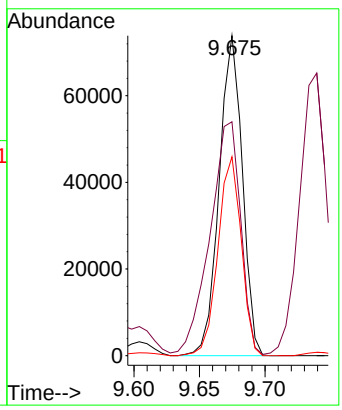




#51
2,6-Dinitrotoluene
Concen: 45.692 ng
RT: 9.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:165 Resp: 9063

Ion	Ratio	Lower	Upper
165	100		
63	73.1	52.0	78.0
89	62.2	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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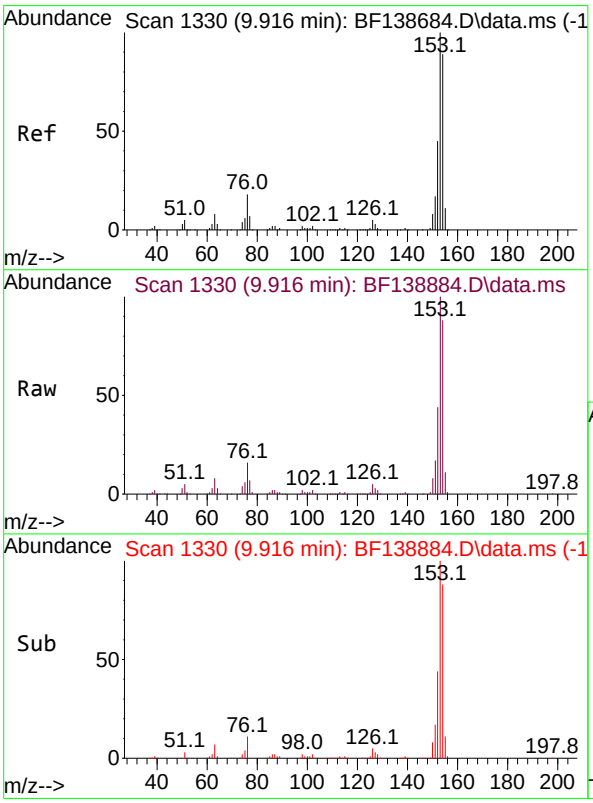
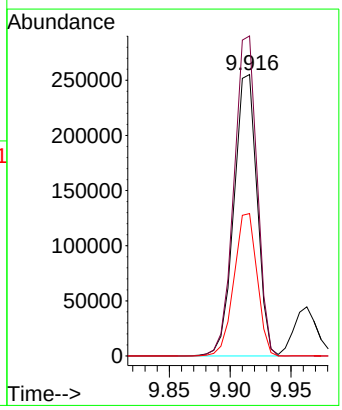
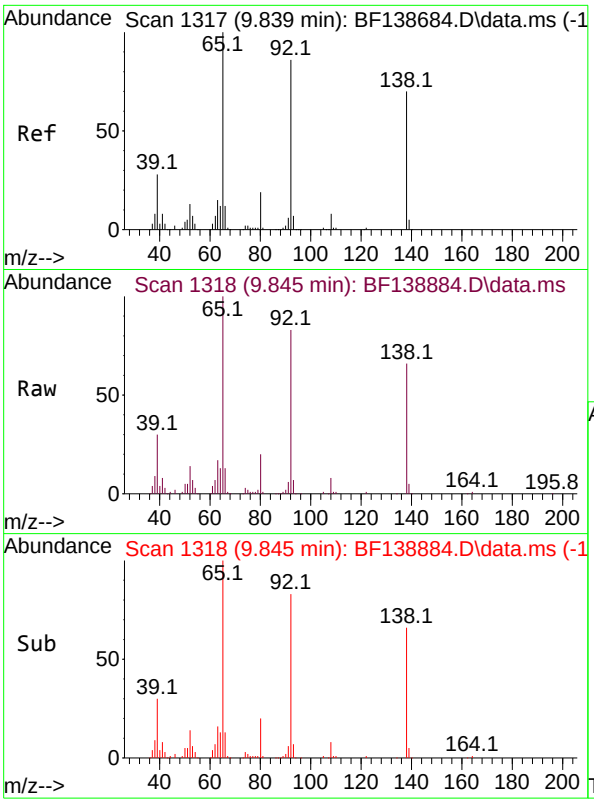


#52
Acenaphthene
Concen: 44.313 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:154 Resp: 338264

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.9	134.9
152	50.6	40.6	60.8





#53
3-Nitroaniline
Concen: 30.016 ng
RT: 9.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:138 Resp: 6154

Ion	Ratio	Lower	Upper
138	100		
108	12.1	9.1	13.7
92	125.1	98.7	148.1

Instrument :
BNA_F
ClientSampleId :
PB162423BS

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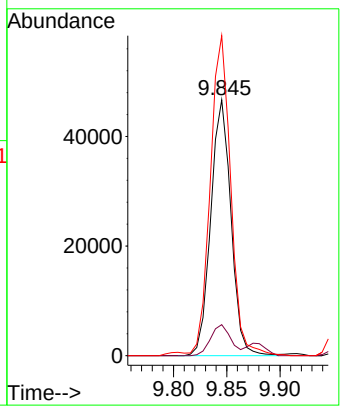
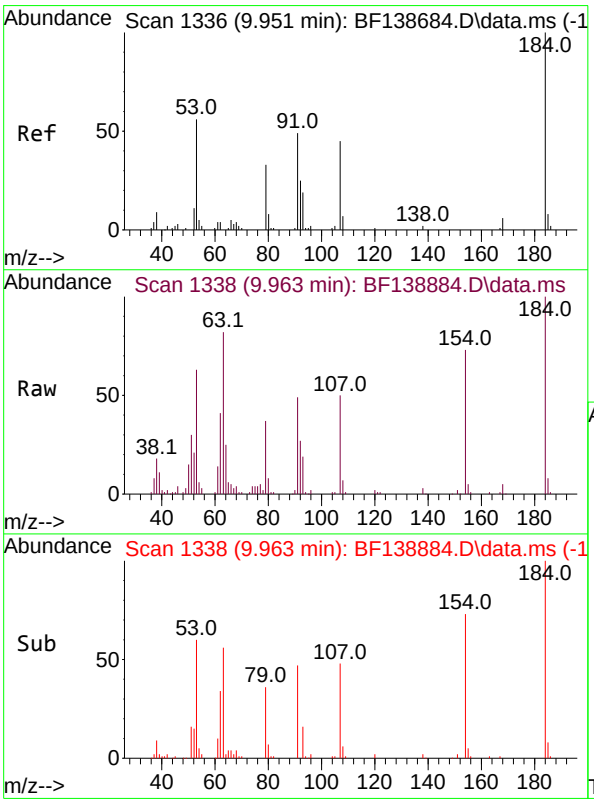
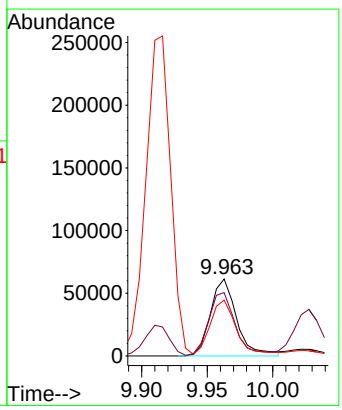


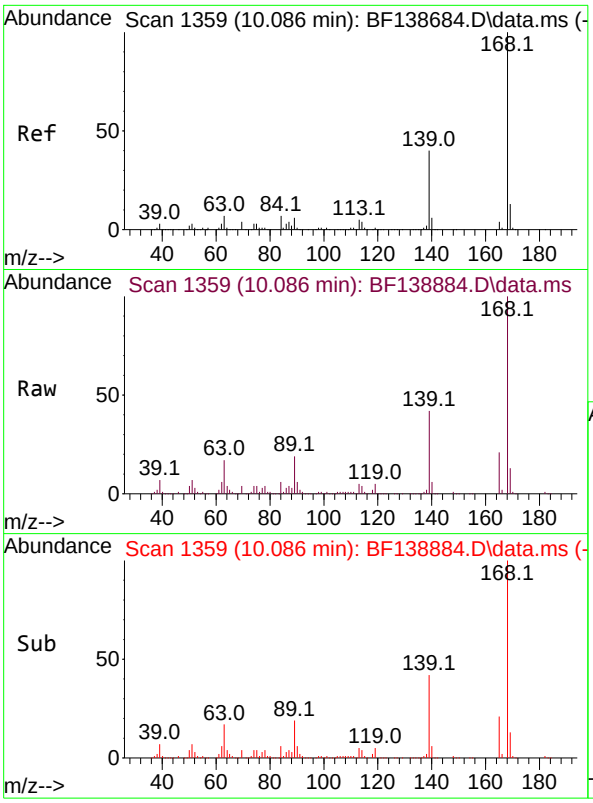


#54
2,4-Dinitrophenol
Concen: 93.870 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:184 Resp: 85713

Ion	Ratio	Lower	Upper
184	100		
63	82.3	57.5	86.3
154	72.5	51.7	77.5

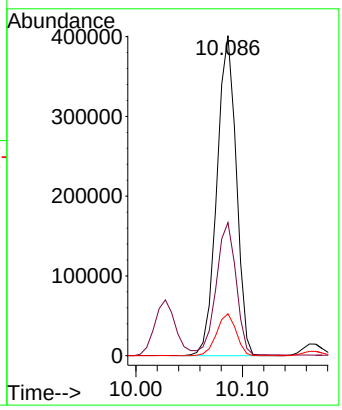




#55
Dibenzofuran
Concen: 47.070 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:168 Resp: 50720

Ion	Ratio	Lower	Upper
168	100		
139	41.6	32.6	49.0
169	13.1	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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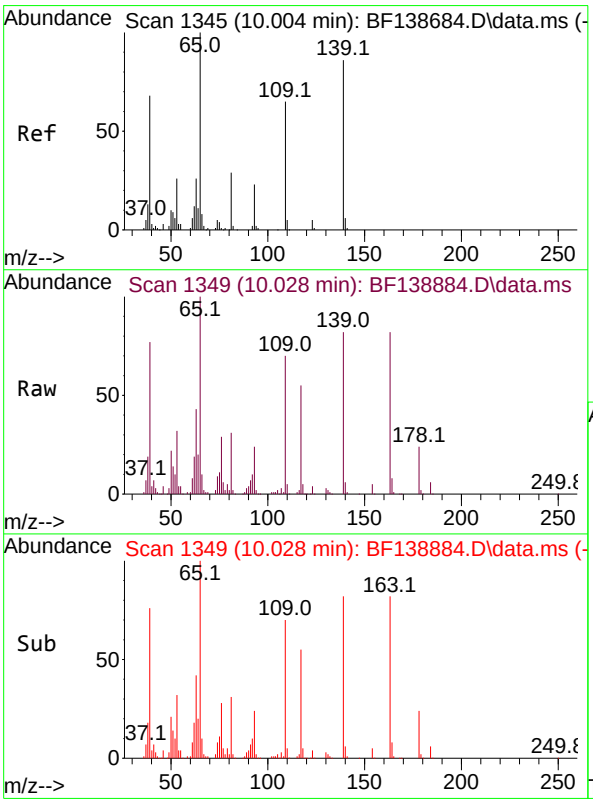
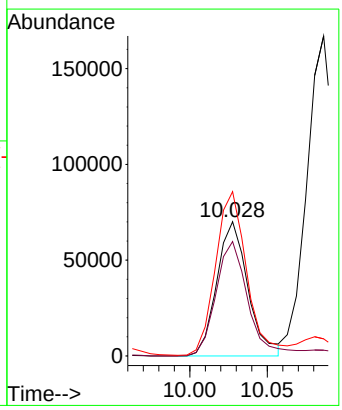
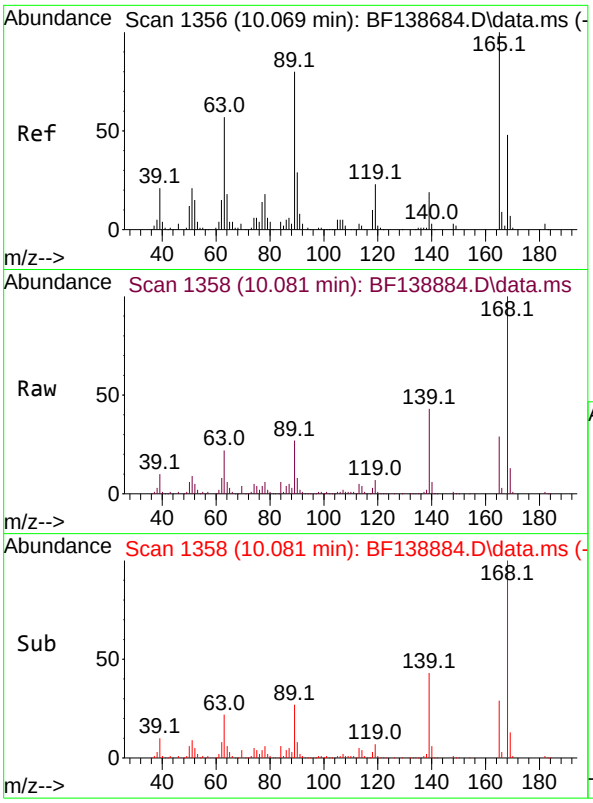


#56
4-Nitrophenol
Concen: 79.575 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.024 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:139 Resp: 98124

Ion	Ratio	Lower	Upper
139	100		
109	85.2	55.5	95.5
65	122.4	96.7	136.7

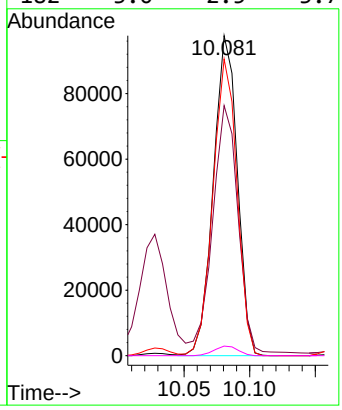




#57
2,4-Dinitrotoluene
Concen: 49.154 ng
RT: 10.081 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:165 Resp: 12439

Ion	Ratio	Lower	Upper
165	100		
63	78.2	46.3	69.5#
89	92.7	64.2	96.4
182	3.0	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
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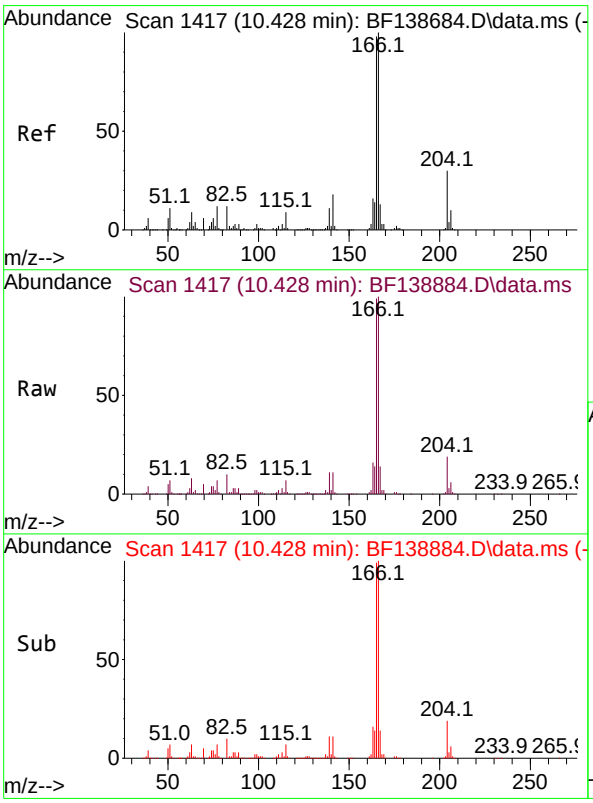
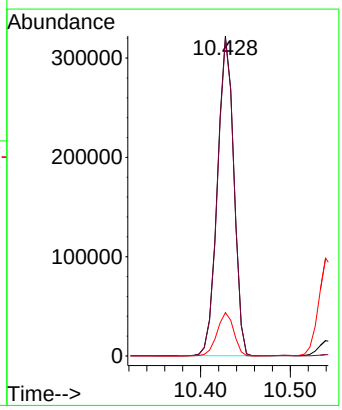
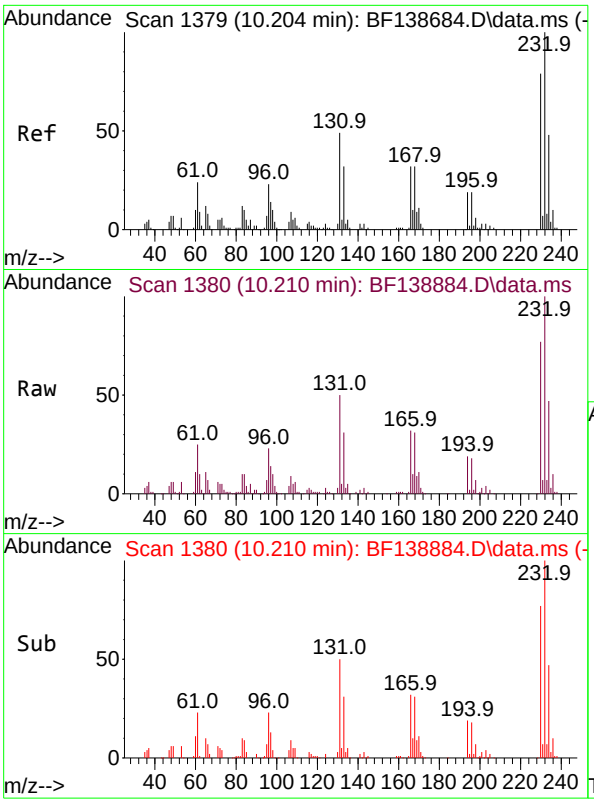


#58
Fluorene
Concen: 47.570 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:166 Resp: 408201

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.4	117.6
167	13.6	10.6	16.0

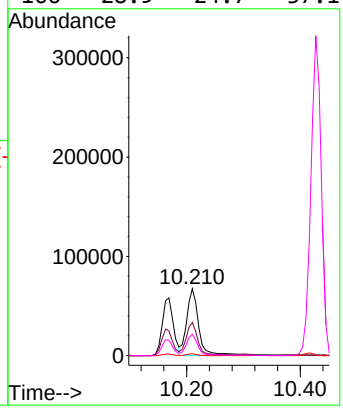




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.576 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:232 Resp: 9841

Ion	Ratio	Lower	Upper
232	100		
131	48.1	37.0	55.4
130	2.6	2.0	3.0
166	28.9	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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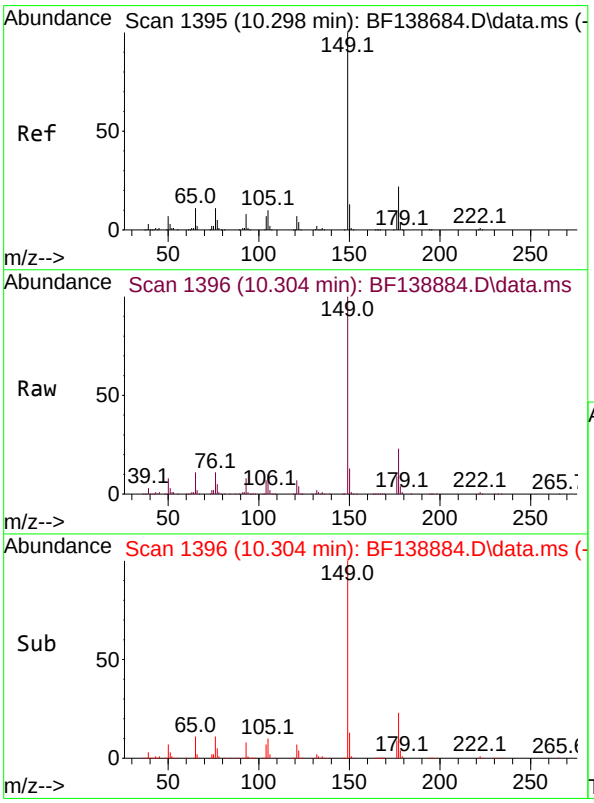
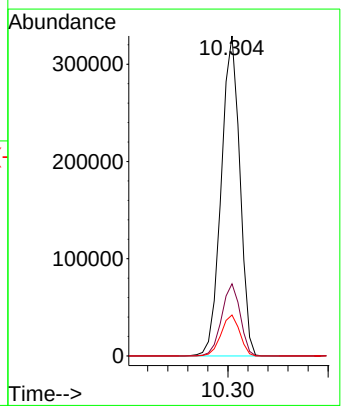
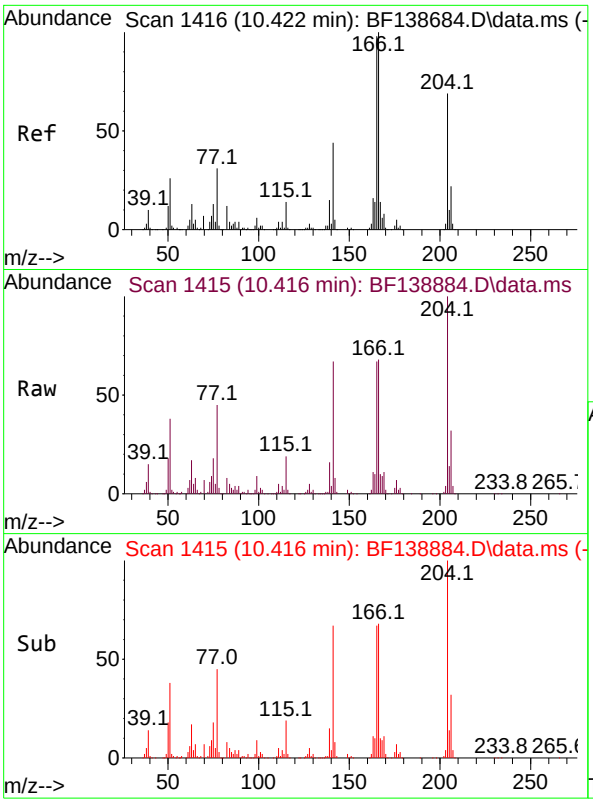


#60
Diethylphthalate
Concen: 50.866 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:149 Resp: 423903

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.8	26.8
150	12.8	10.1	15.1

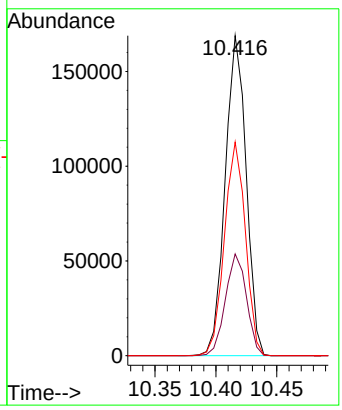




#61
4-Chlorophenyl-phenylether
Concen: 47.970 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:204 Resp: 20244

Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.1	39.1
141	66.8	51.4	77.0



Instrument :
BNA_F
ClientSampleId :
PB162423BS

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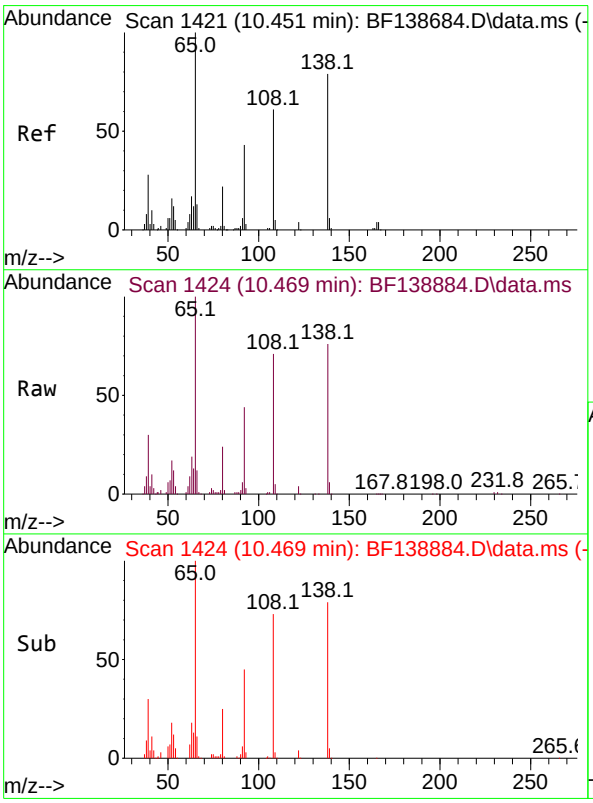
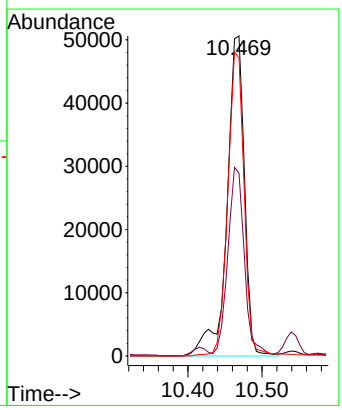
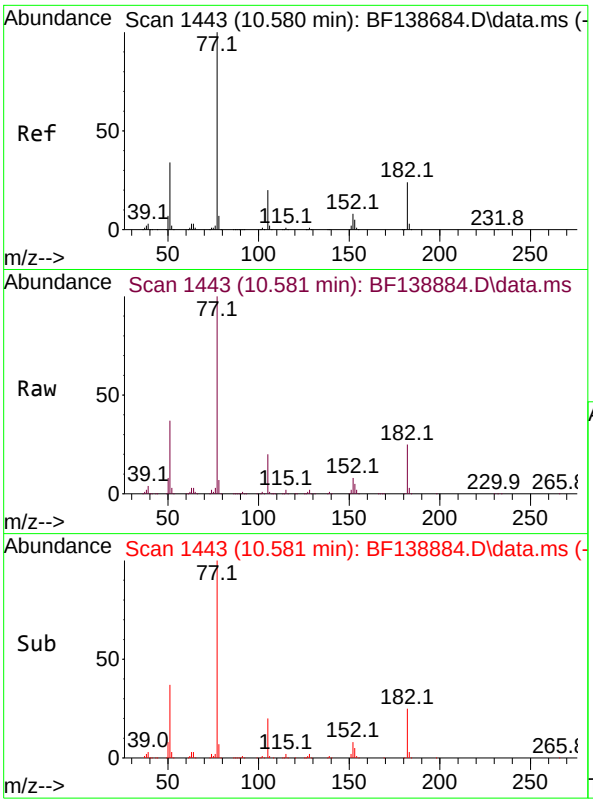


#62
4-Nitroaniline
Concen: 42.622 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.018 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:138 Resp: 83056

Ion	Ratio	Lower	Upper
138	100		
92	57.2	34.2	74.2
108	93.1	56.2	96.2

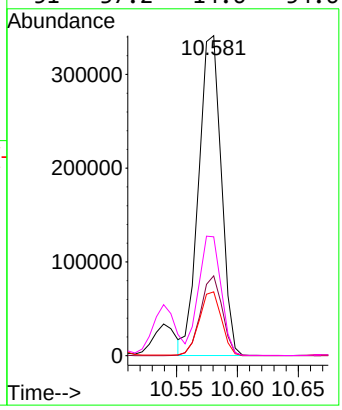




#63
Azobenzene
Concen: 47.686 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 77 Resp: 44075

Ion	Ratio	Lower	Upper
77	100		
182	24.9	3.4	43.4
105	19.9	0.2	40.2
51	37.2	14.6	54.6



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
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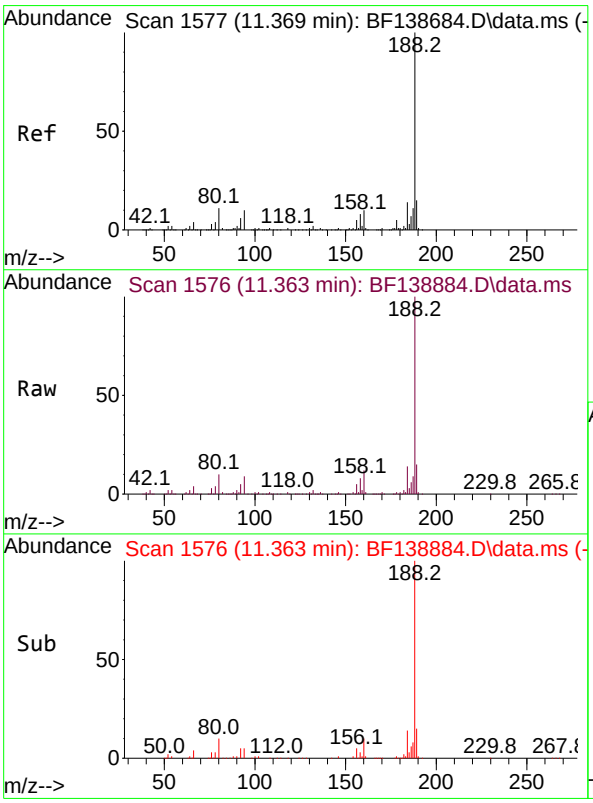
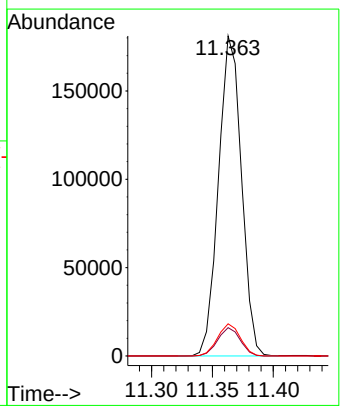
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

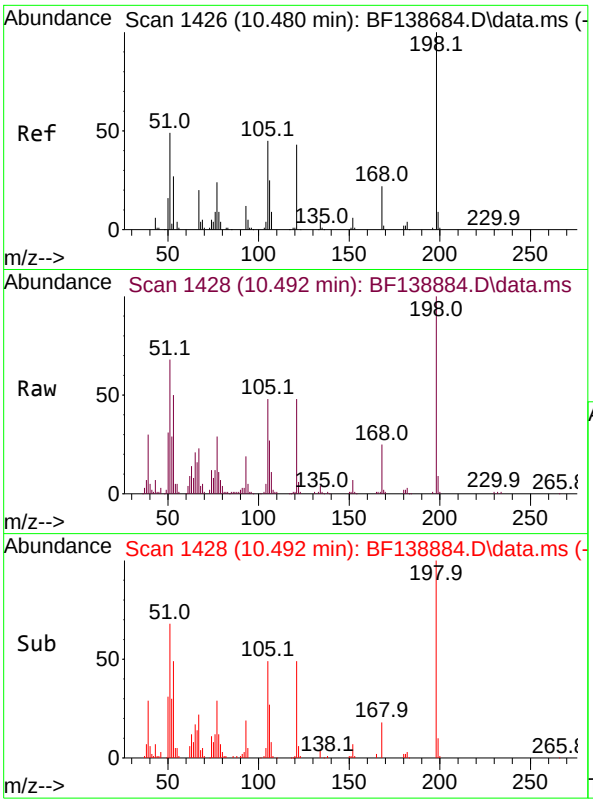


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:188 Resp: 237762

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	10.0	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 47.590 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:198 Resp: 6903

Ion	Ratio	Lower	Upper
198	100		
51	67.6	39.9	79.9
105	48.1	26.1	66.1

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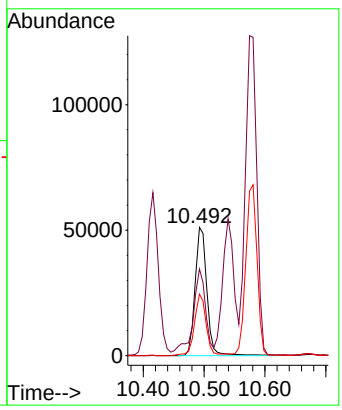
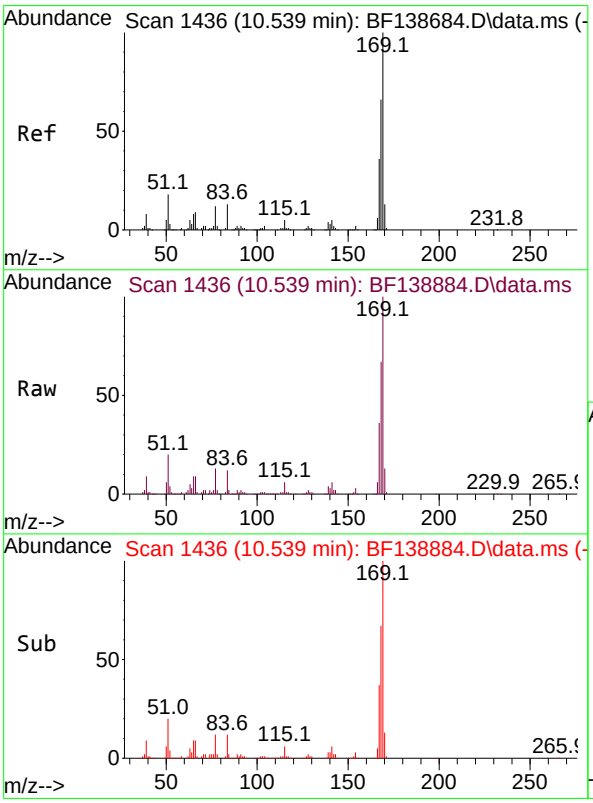
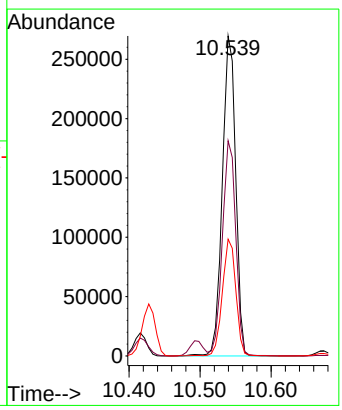


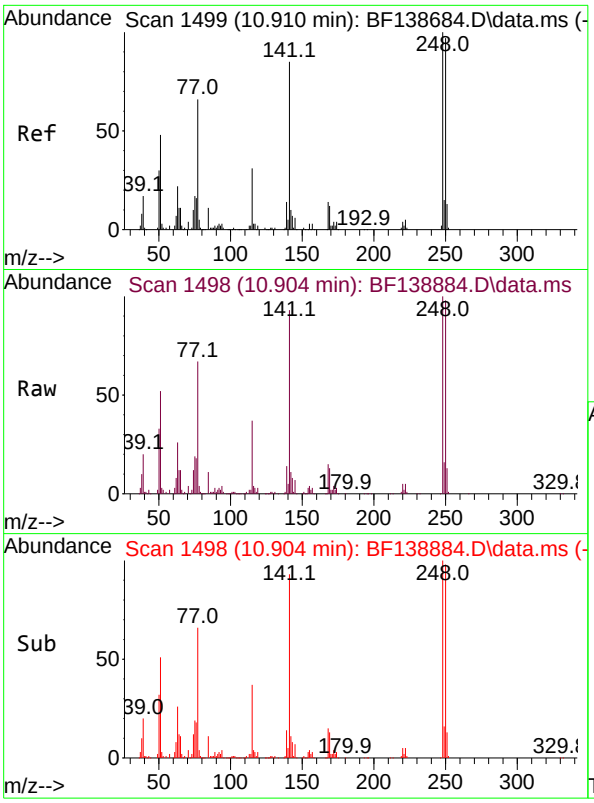


#66
n-Nitrosodiphenylamine
Concen: 47.130 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:169 Resp: 350266

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.5	29.0	43.6

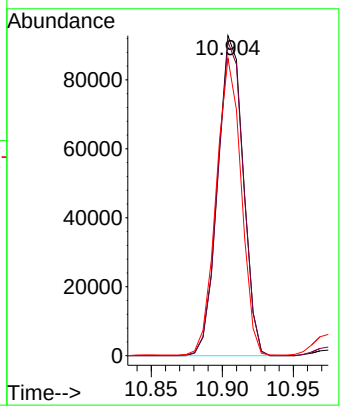




#67
4-Bromophenyl-phenylether
Concen: 45.055 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:248 Resp: 11598

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.7	116.5
141	93.0	68.0	102.0



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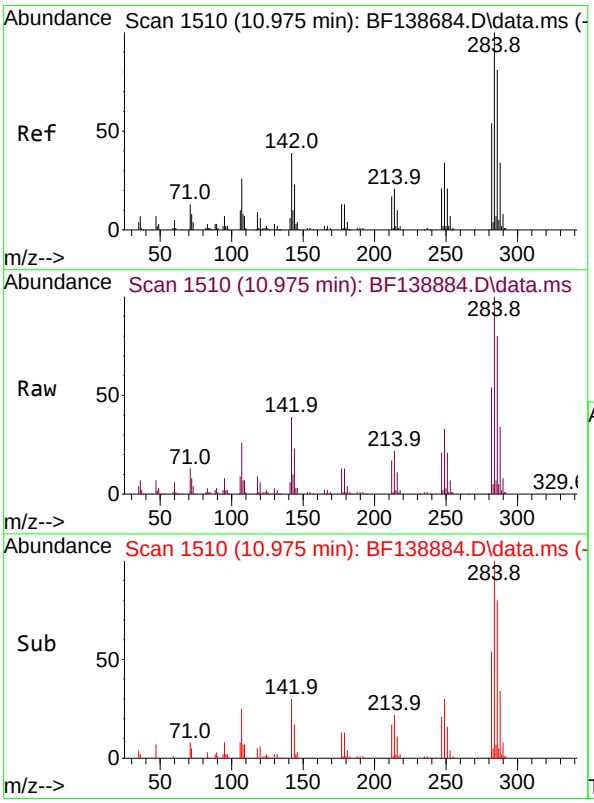
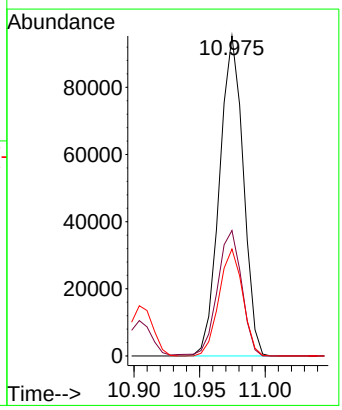
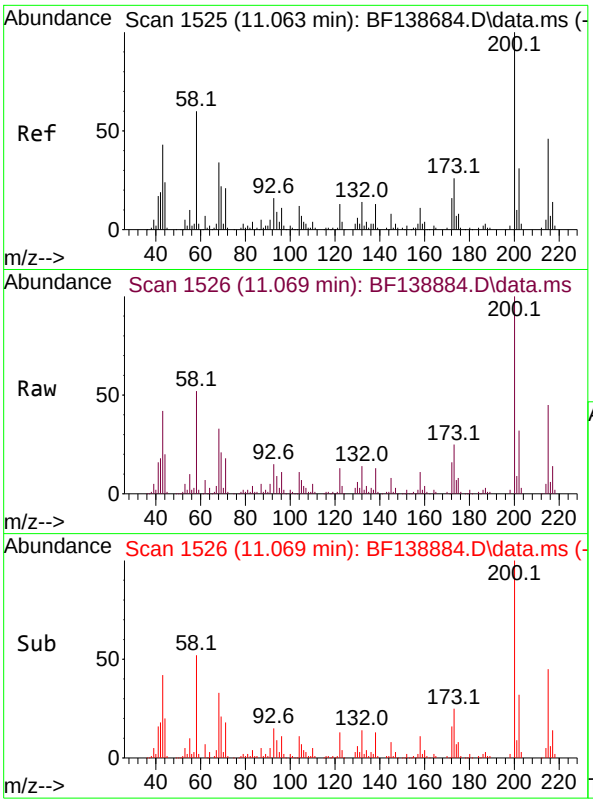


#68
Hexachlorobenzene
Concen: 45.182 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:284 Resp: 120090

Ion	Ratio	Lower	Upper
284	100		
142	39.2	31.3	46.9
249	33.4	27.2	40.8

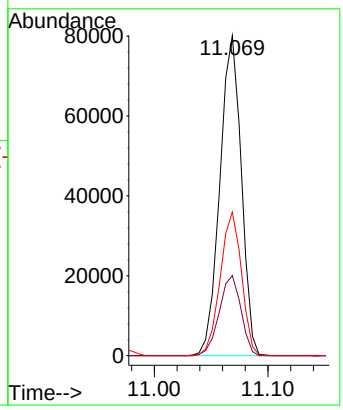




#69
Atrazine
Concen: 54.784 ng
RT: 11.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:200 Resp: 10504

Ion	Ratio	Lower	Upper
200	100		
173	25.1	6.0	46.0
215	44.9	26.1	66.1



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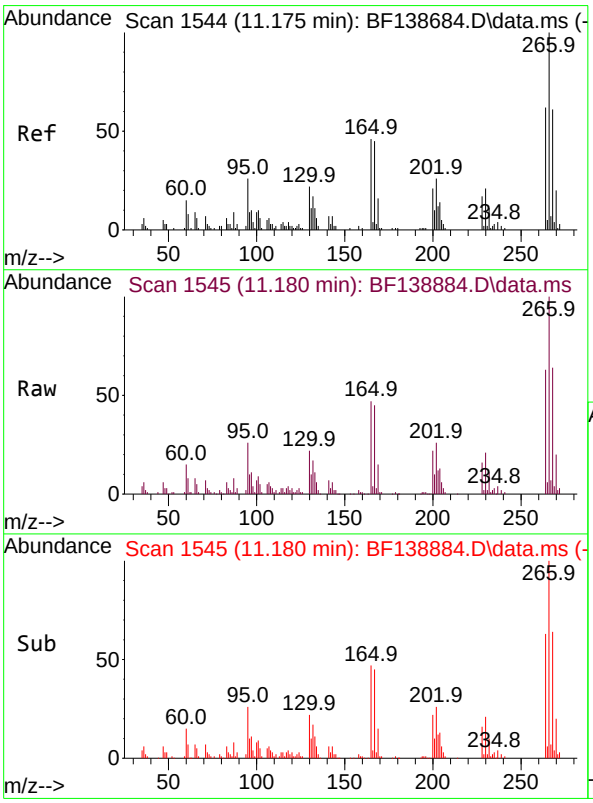
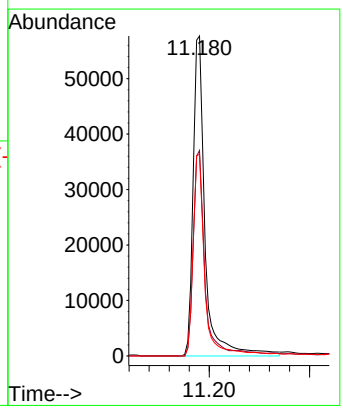
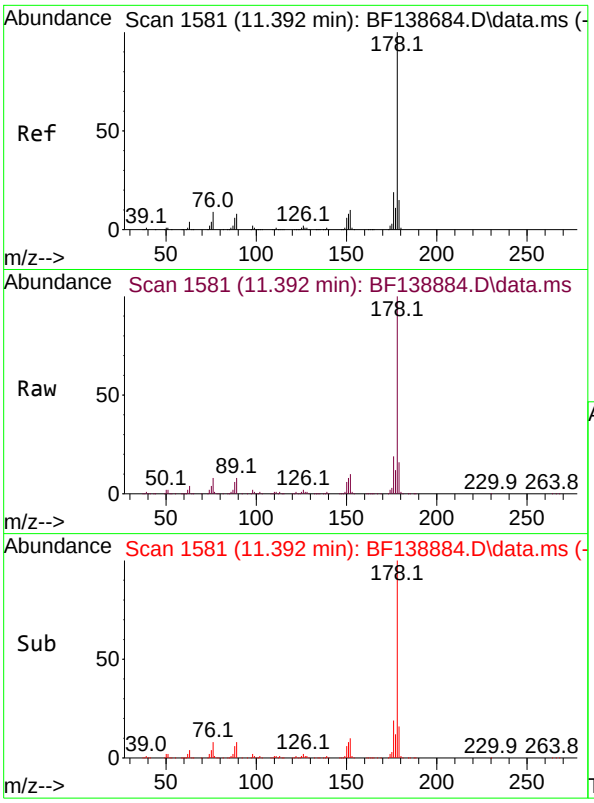


#70
Pentachlorophenol
Concen: 79.657 ng
RT: 11.180 min Scan# 1545
Delta R.T. 0.005 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:266 Resp: 95431

Ion	Ratio	Lower	Upper
266	100		
268	64.2	49.2	73.8
264	63.0	49.8	74.6

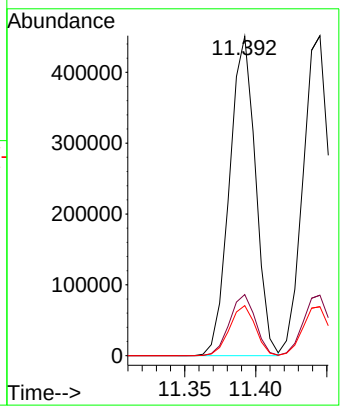




#71
Phenanthrene
Concen: 46.796 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:178 Resp: 57292

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.7	12.2	18.2



Instrument :
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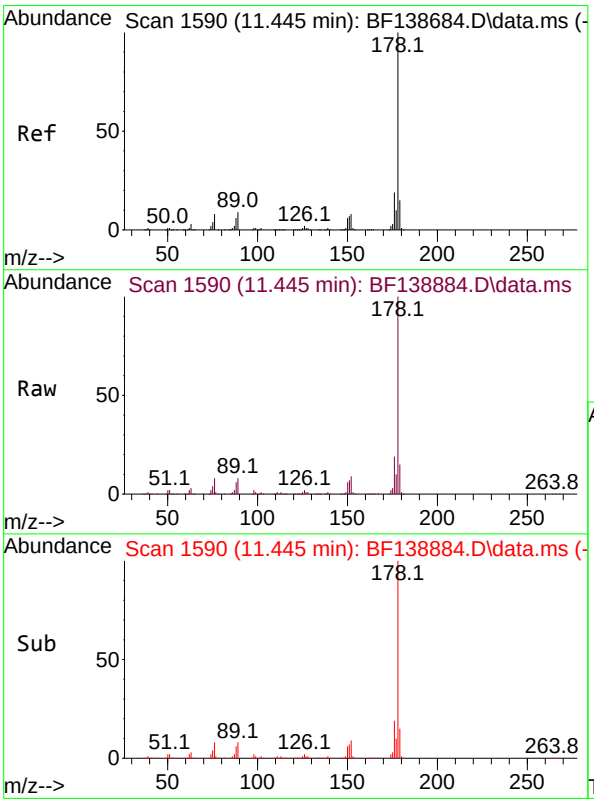
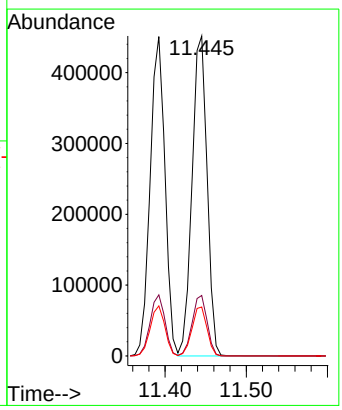
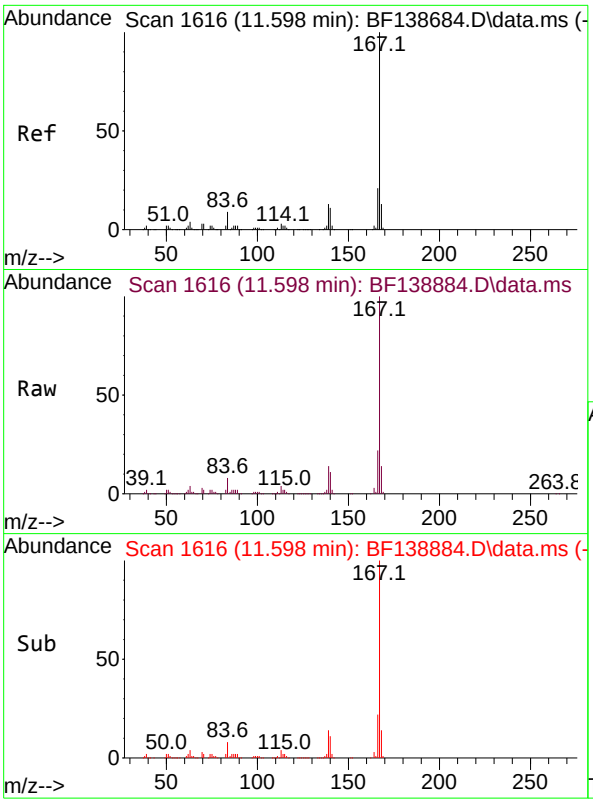


#72
Anthracene
Concen: 48.311 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:178 Resp: 582679

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.3	12.4	18.6





#73
Carbazole
Concen: 46.329 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:167 Resp: 48208

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.2	25.8
139	14.2	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
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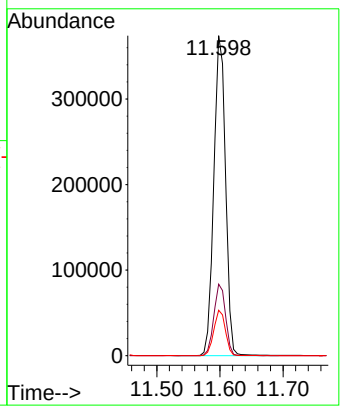
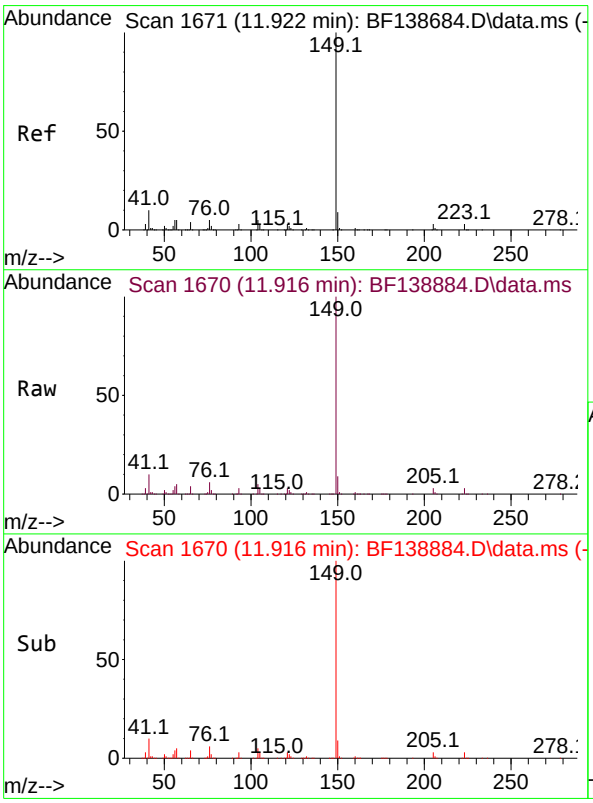
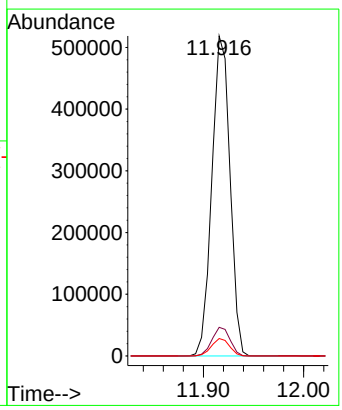


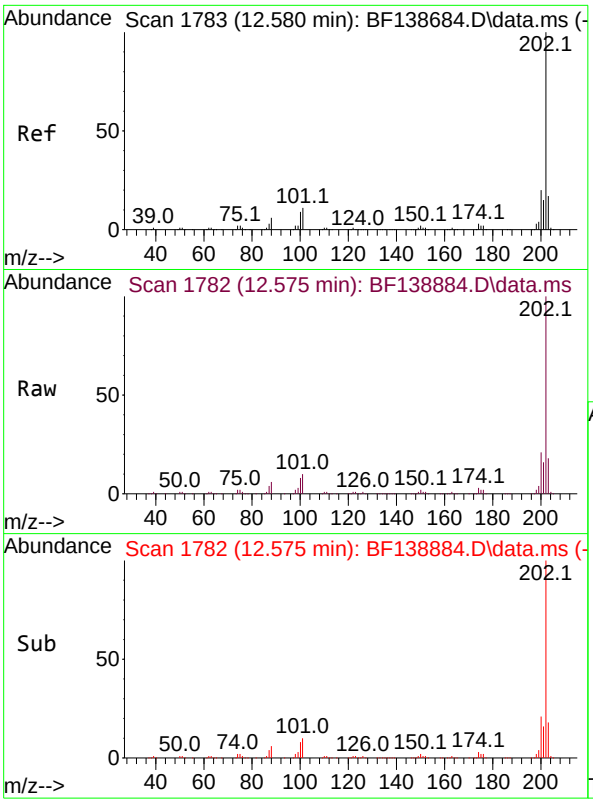


#74
Di-n-butylphthalate
Concen: 55.627 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:149 Resp: 650691

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.5	4.1	6.1

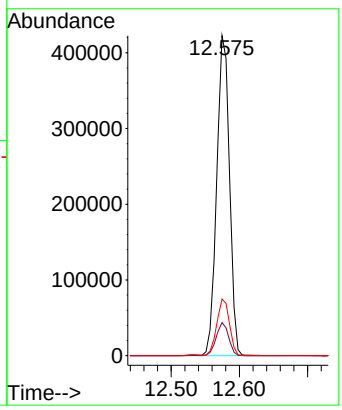




#75
Fluoranthene
Concen: 48.278 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:202 Resp: 55178

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.2
203	17.7	0.0	37.3



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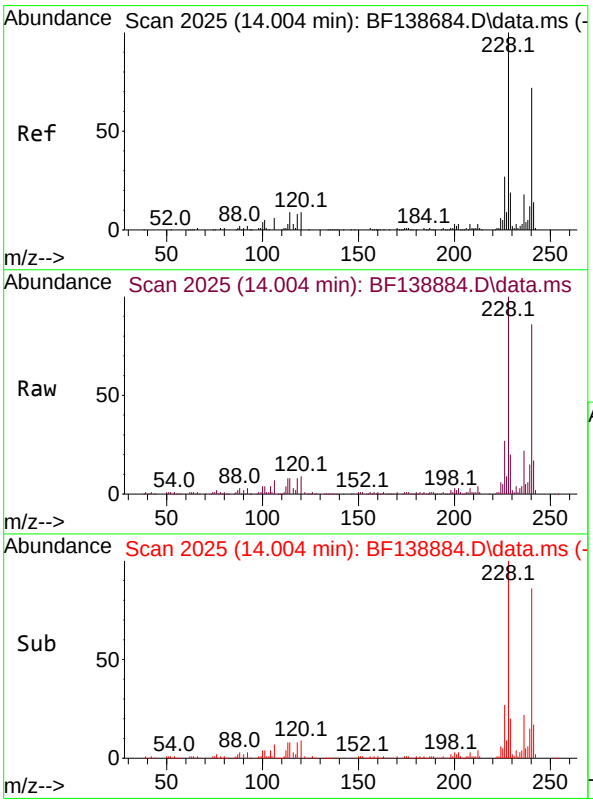
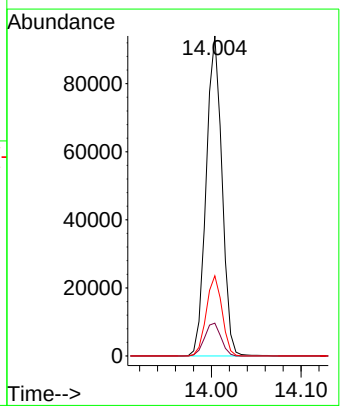
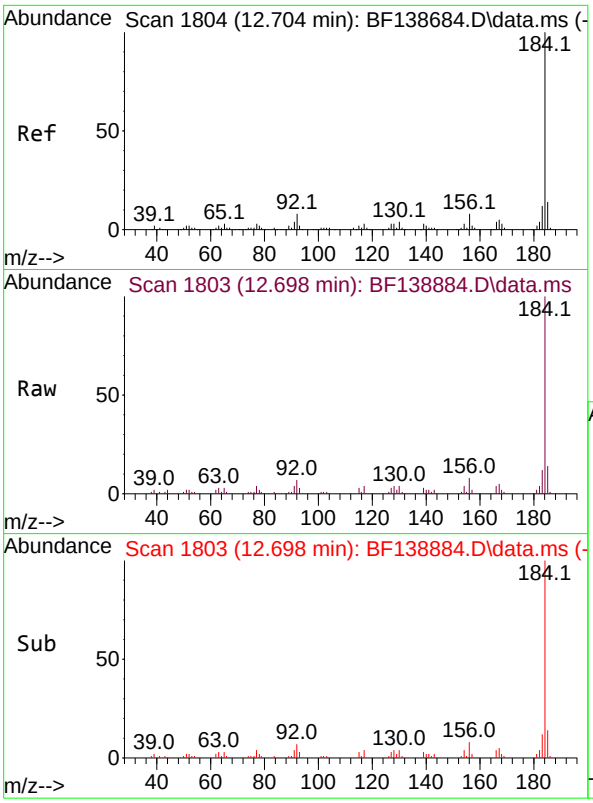


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:240 Resp: 114847

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

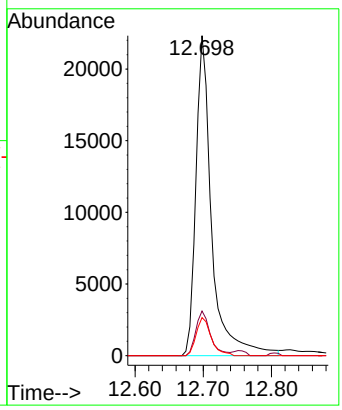




#77
Benzidine
Concen: 13.044 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:184 Resp: 3583

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



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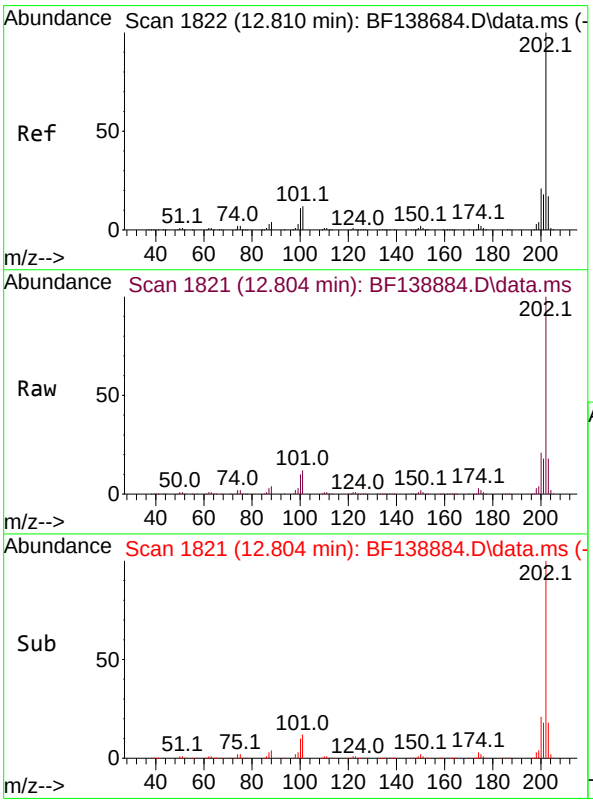
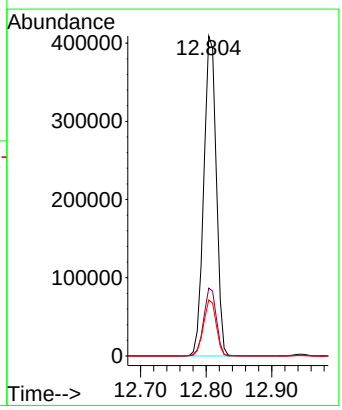
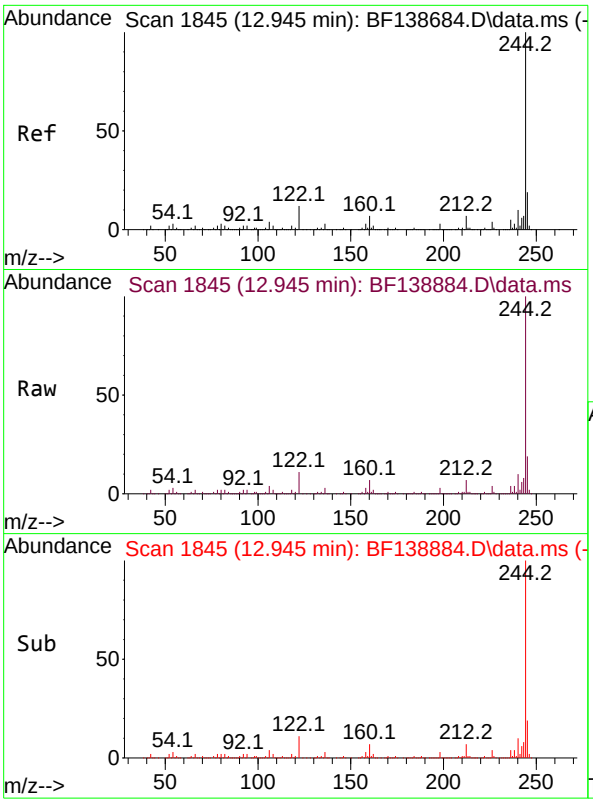


#78
Pyrene
Concen: 50.298 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:202 Resp: 543880

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.5	13.8	20.6

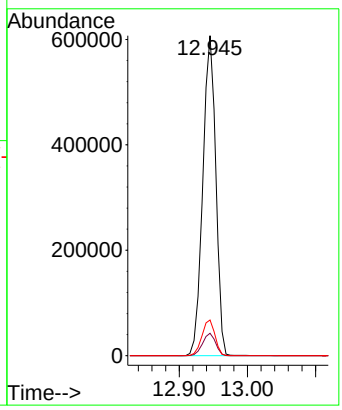




#79
Terphenyl-d14
Concen: 117.532 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:244 Resp: 80621

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.1	9.6	14.4



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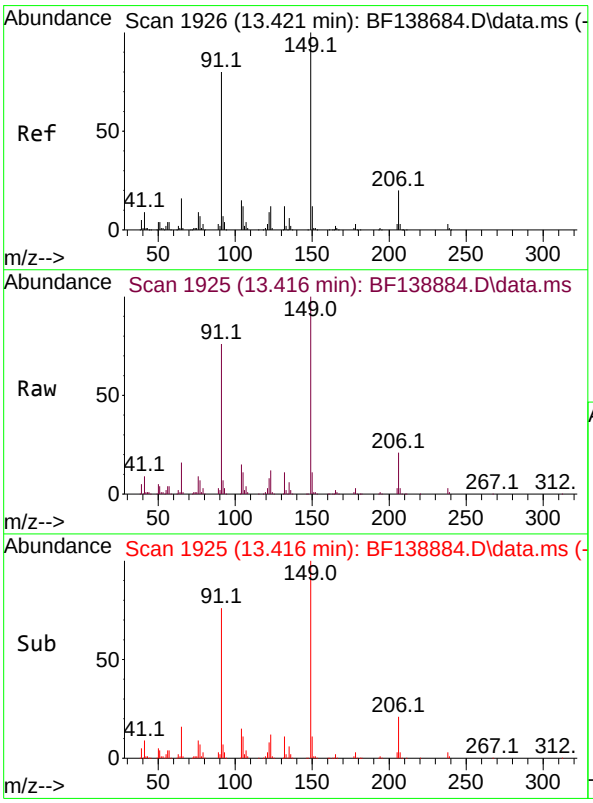
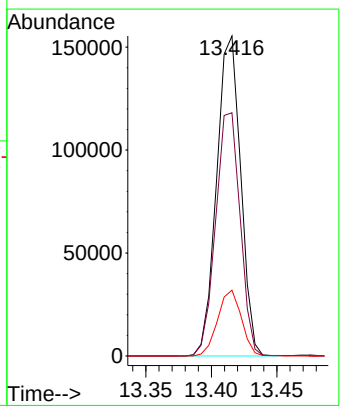
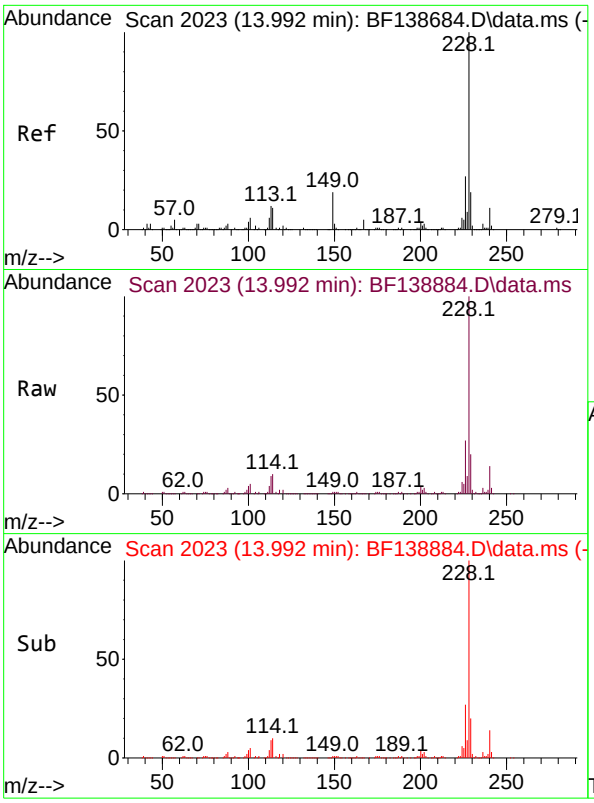


#80
Butylbenzylphthalate
Concen: 57.273 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:149 Resp: 198317

Ion	Ratio	Lower	Upper
149	100		
91	76.0	63.7	95.5
206	20.5	16.2	24.2

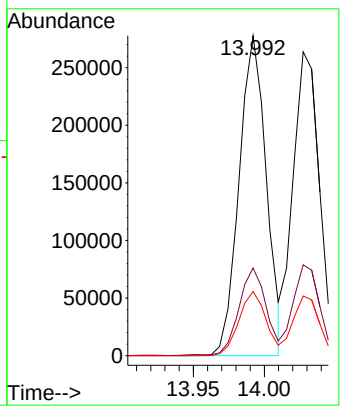




#81
Benzo(a)anthracene
Concen: 46.778 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:228 Resp: 369948

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.0	15.4	23.0



Instrument :
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ClientSampleId :
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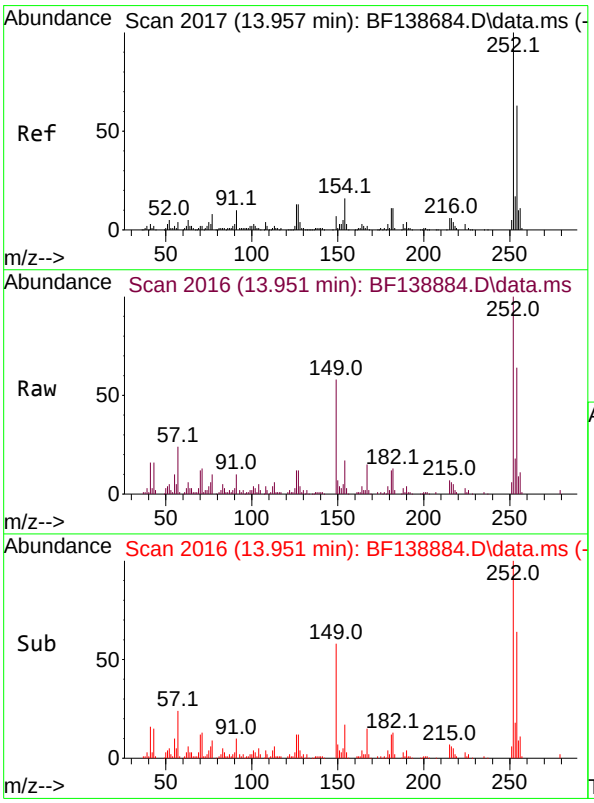
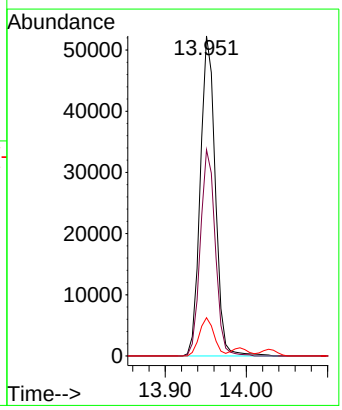
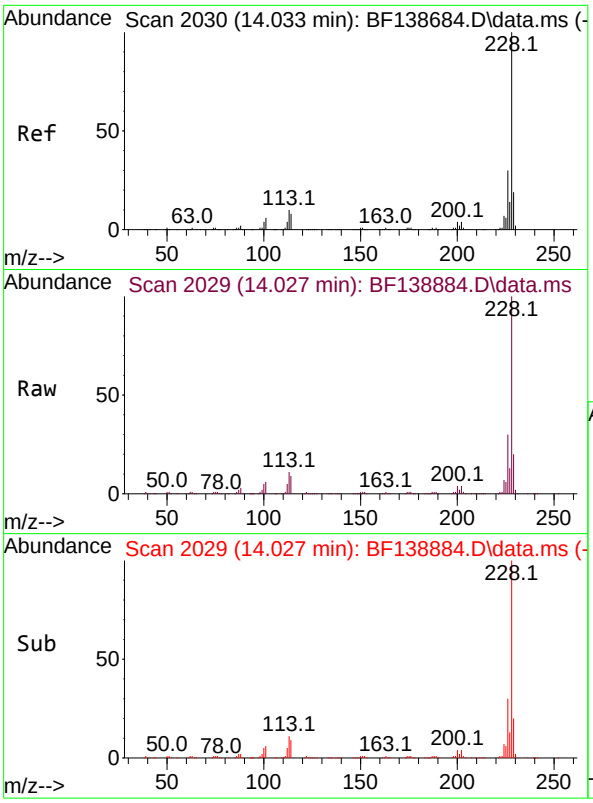


#82
3,3'-Dichlorobenzidine
Concen: 33.140 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:252 Resp: 67070

Ion	Ratio	Lower	Upper
252	100		
254	64.5	50.8	76.2
126	11.9	10.2	15.2

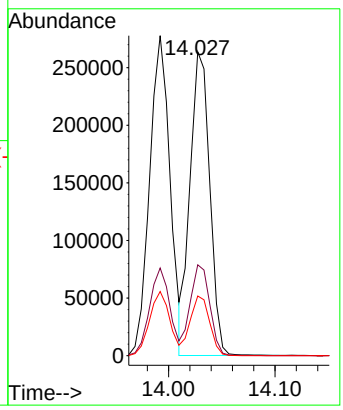




#83
Chrysene
Concen: 47.539 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:228 Resp: 33919

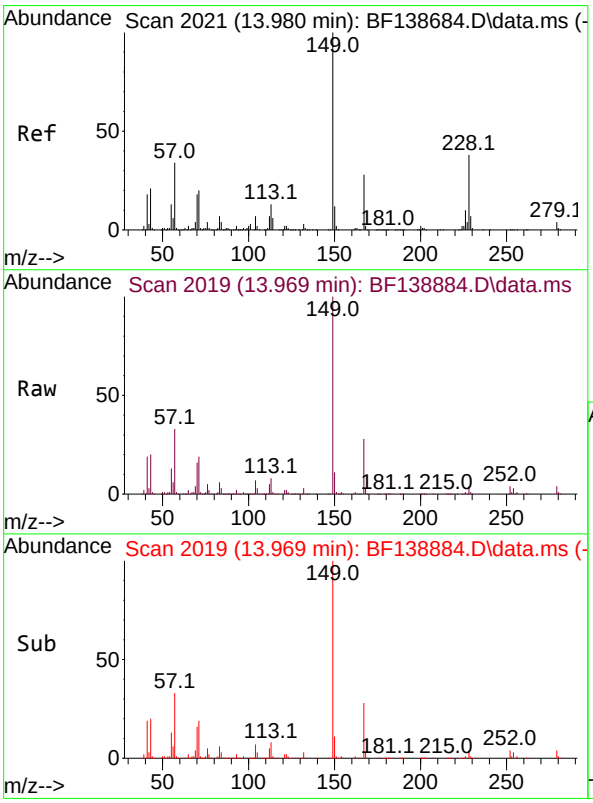
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	19.7	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

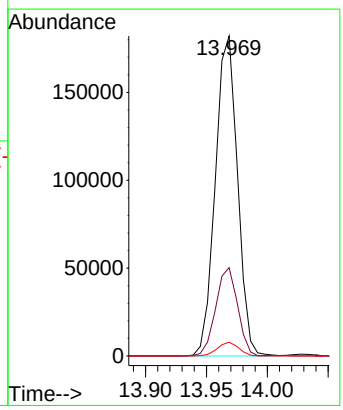
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

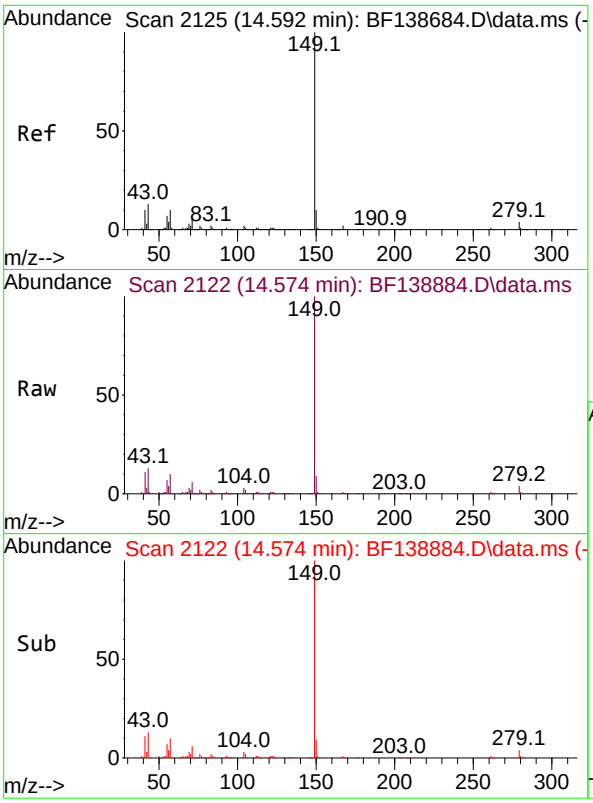


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.582 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:149 Resp: 231124

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	4.3	3.4	5.0

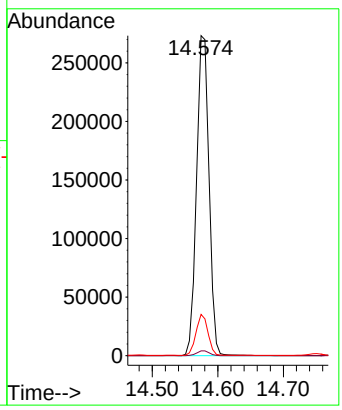




#85
Di-n-octyl phthalate
Concen: 38.536 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:149 Resp: 36152

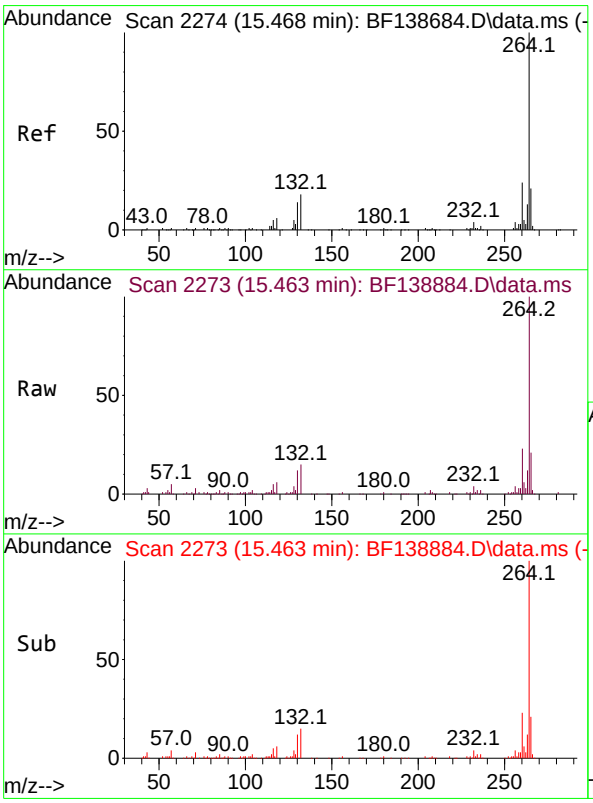
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	12.2	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

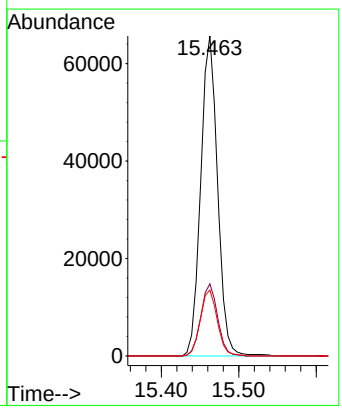
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

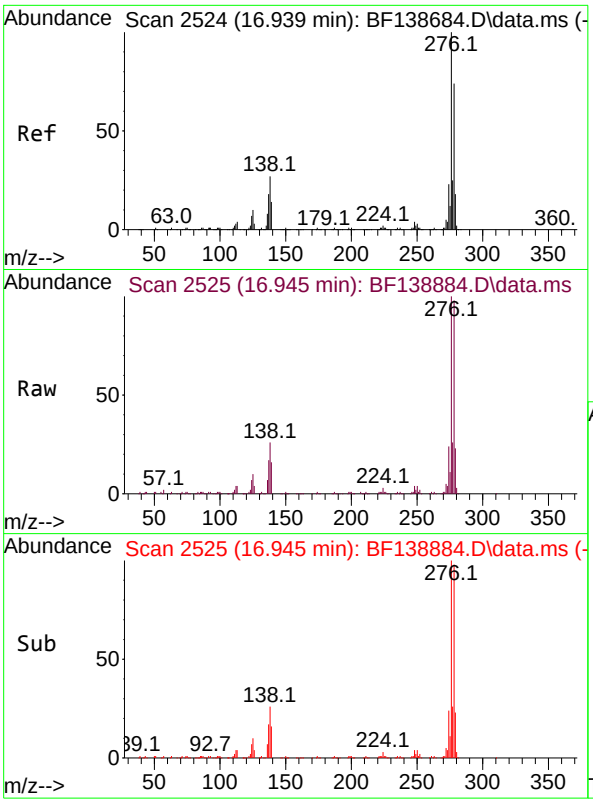


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:264 Resp: 99135

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.0	28.6
265	20.6	17.0	25.6

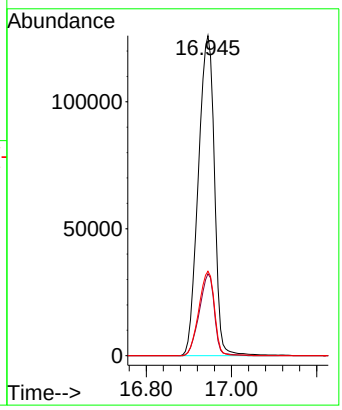




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.674 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:276 Resp: 33159

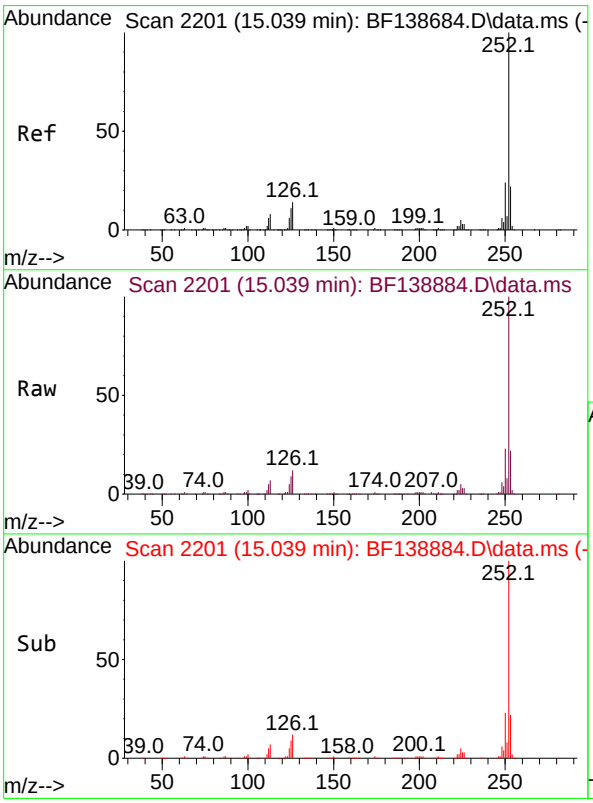
Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.8	32.8
277	25.4	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

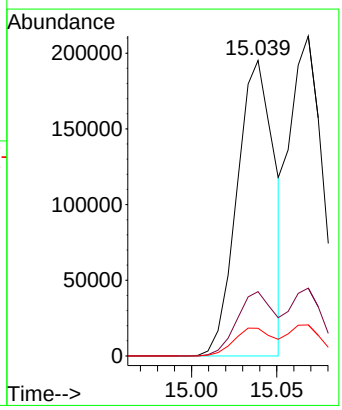
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

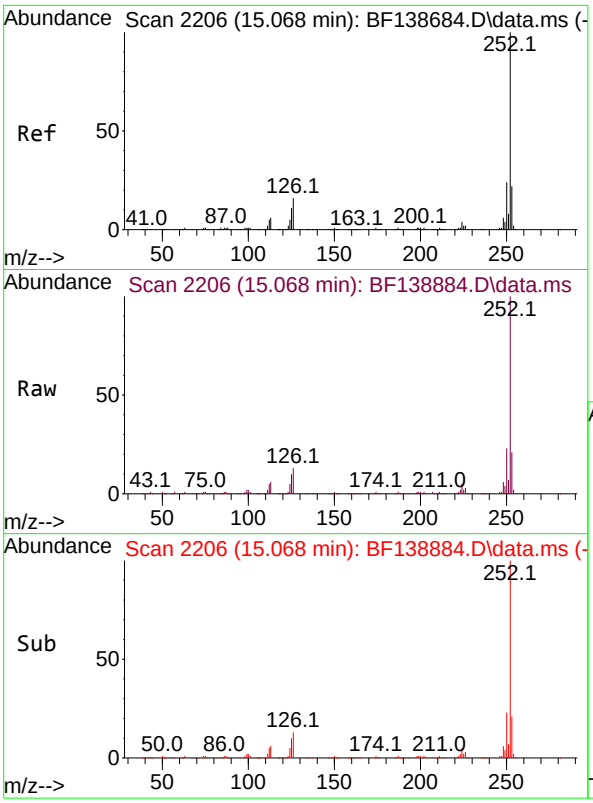


#88
Benzo(b)fluoranthene
Concen: 48.202 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:252 Resp: 296222

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.4	8.9	13.3

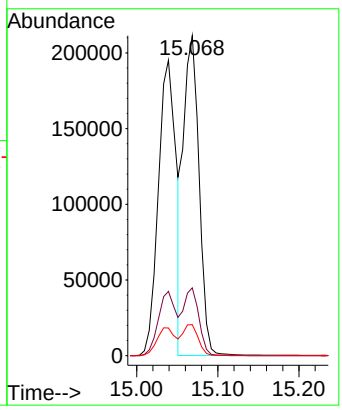




#89
Benzo(k)fluoranthene
Concen: 53.198 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:252 Resp: 28305

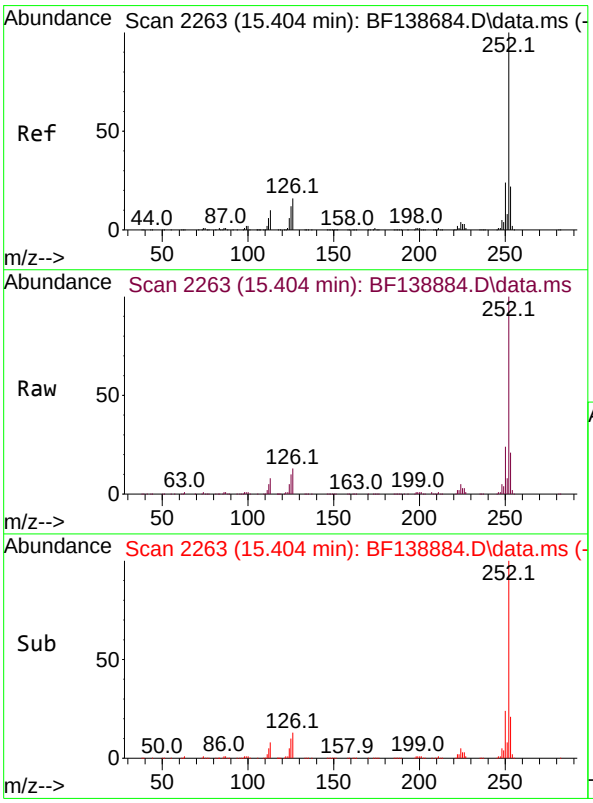
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	9.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

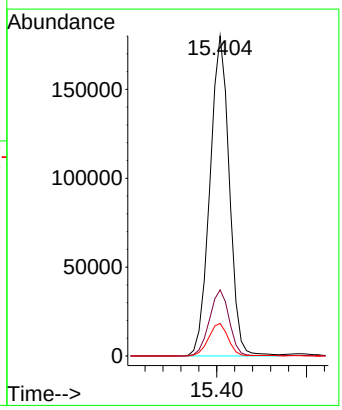
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

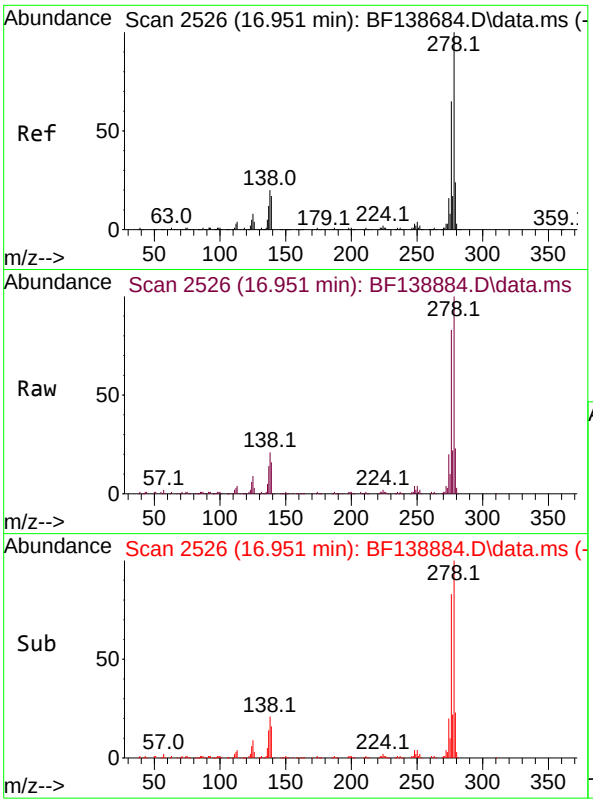


#90
Benzo(a)pyrene
Concen: 52.350 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:252 Resp: 270607

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.3	25.9
125	10.1	9.5	14.3

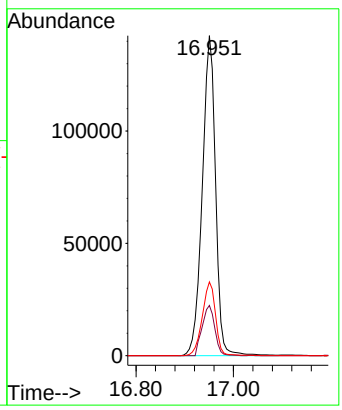




#91
Dibenzo(a,h)anthracene
Concen: 46.226 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:278 Resp: 26958

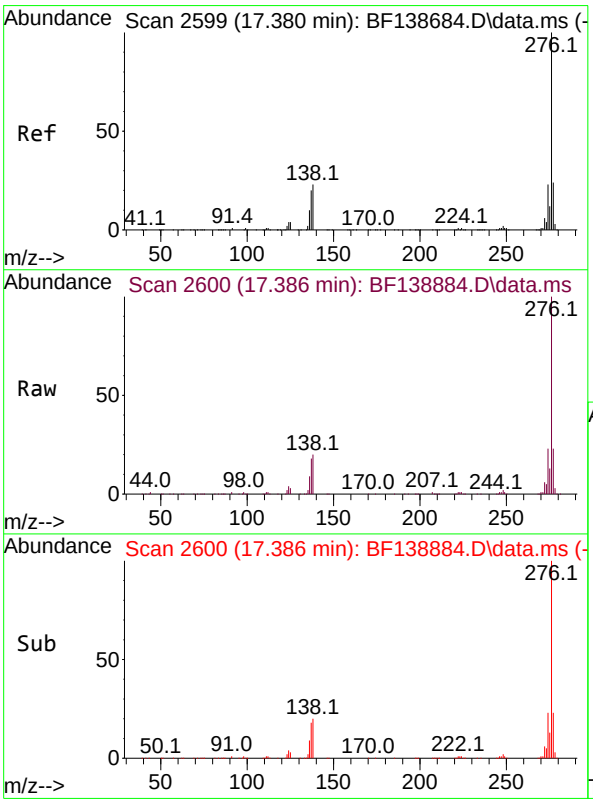
Ion	Ratio	Lower	Upper
278	100		
139	15.7	14.0	21.0
279	23.1	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

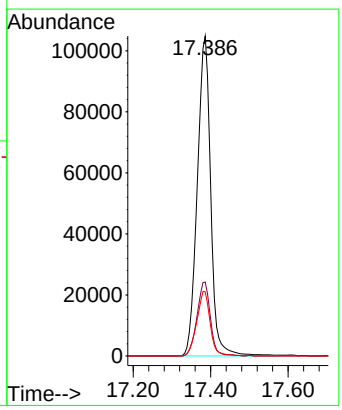
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#92
Benzo(g,h,i)perylene
Concen: 41.614 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:276 Resp: 251836

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	20.1	18.5	27.7



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:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MS	SDG No.:	P3429
Lab Sample ID:	P3415-04MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138909.D	1	08/01/24 08:20	08/10/24 14:48	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	17.1		1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
95-48-7	2-Methylphenol	40.2		1.20	5.20	ug/L
65794-96-9	3+4-Methylphenols	37.0		1.20	10.4	ug/L
67-72-1	Hexachloroethane	44.2		1.10	5.20	ug/L
98-95-3	Nitrobenzene	57.1		1.30	5.20	ug/L
91-20-3	Naphthalene	52.1		1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	46.5		1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	57.3		1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	57.9		0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	53.7		1.10	5.20	ug/L
208-96-8	Acenaphthylene	64.7		1.10	5.20	ug/L
83-32-9	Acenaphthene	59.4		0.84	5.20	ug/L
132-64-9	Dibenzofuran	63.0		0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	63.0		1.60	5.20	ug/L
86-73-7	Fluorene	63.1		1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	63.5		1.20	5.20	ug/L
87-86-5	Pentachlorophenol	88.5	E	1.90	10.4	ug/L
85-01-8	Phenanthrene	64.6		0.93	5.20	ug/L
120-12-7	Anthracene	66.9		1.10	5.20	ug/L
86-74-8	Carbazole	59.9		1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	66.9		1.50	5.20	ug/L
206-44-0	Fluoranthene	55.9		1.30	5.20	ug/L
129-00-0	Pyrene	56.2		1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	63.3		0.98	5.20	ug/L
218-01-9	Chrysene	64.1		0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	64.9		2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	57.7		1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	68.1		1.20	5.20	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MS	SDG No.:	P3429
Lab Sample ID:	P3415-04MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138909.D	1	08/01/24 08:20	08/10/24 14:48	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	66.2		1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.5		1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.4		1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	46.7		1.20	5.20	ug/L
123-91-1	1,4-Dioxane	18.2		1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	55.8		0.90	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	63.4		15 (10) - 110 (139)	42%	SPK: 150
13127-88-3	Phenol-d6	38.9		15 (10) - 110 (134)	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		30 (49) - 130 (133)	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	110		30 (52) - 130 (132)	110%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	116		30 (48) - 130 (125)	116%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	36000	6.839			
1146-65-2	Naphthalene-d8	150000	8.122			
15067-26-2	Acenaphthene-d10	82700	9.875			
1517-22-2	Phenanthrene-d10	131000	11.363			
1719-03-5	Chrysene-d12	65100	14.004			
1520-96-3	Perylene-d12	78600	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\BF081024\
Data File : BF138909.D
Acq On : 10 Aug 2024 14:48
Operator : RC/JU
Sample : P3415-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Quant Time: Aug 12 01:14:47 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	35990	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	150436	20.000	ng	#	0.00
39) Acenaphthene-d10	9.875	164	82692	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	131267	20.000	ng		0.00
76) Chrysene-d12	14.004	240	65057	20.000	ng	#	0.00
86) Perylene-d12	15.462	264	78552	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	147836	63.409	ng		0.00
7) Phenol-d6	6.481	99	121770	38.901	ng		0.00
23) Nitrobenzene-d5	7.410	82	332965	108.213	ng		0.00
42) 2,4,6-Tribromophenol	10.669	330	109396	161.504	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	606000	110.109	ng		0.00
79) Terphenyl-d14	12.939	244	452479	116.447	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	17841	17.479	ng	#	93
3) Pyridine	3.393	79	40636	16.434	ng	#	95
4) n-Nitrosodimethylamine	3.340	42	36552	24.820	ng	#	79
6) Aniline	6.504	93	104381	37.391	ng		98
8) 2-Chlorophenol	6.634	128	113874	46.423	ng		96
9) Benzaldehyde	6.398	77	7397	3.942	ng		95
10) Phenol	6.498	94	54727	16.605	ng	#	34
11) bis(2-Chloroethyl)ether	6.575	93	137253	54.117	ng		100
12) 1,3-Dichlorobenzene	6.781	146	118609	43.196	ng		99
13) 1,4-Dichlorobenzene	6.857	146	122239	44.113	ng		99
14) 1,2-Dichlorobenzene	7.010	146	117841	45.503	ng		99
15) Benzyl Alcohol	6.987	79	88176	39.083	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.110	45	229123	52.494	ng		72
17) 2-Methylphenol	7.104	107	78184	38.599	ng	#	80
18) Hexachloroethane	7.345	117	44245	42.418	ng		98
19) n-Nitroso-di-n-propyla...	7.257	70	117233	62.008	ng		99
20) 3+4-Methylphenols	7.257	107	92394	35.552	ng	#	82
22) Acetophenone	7.251	105	206267	55.999	ng		96
24) Nitrobenzene	7.428	77	171715	54.843	ng		99
25) Isophorone	7.663	82	309213	58.853	ng		98
26) 2-Nitrophenol	7.739	139	76843	57.045	ng		93
27) 2,4-Dimethylphenol	7.781	122	92710	57.523	ng		98
28) bis(2-Chloroethoxy)met...	7.869	93	178889	55.911	ng		99
29) 2,4-Dichlorophenol	7.986	162	114484	55.278	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	111647	46.714	ng		99
31) Naphthalene	8.145	128	395728	49.975	ng		100
32) Benzoic acid	7.904	122	10972	8.660	ng		94
33) 4-Chloroaniline	8.198	127	123648	46.518	ng		98
34) Hexachlorobutadiene	8.251	225	64626	44.643	ng		99
35) Caprolactam	8.581	113	4837	7.827	ng		96
36) 4-Chloro-3-methylphenol	8.681	107	123221	52.060	ng		99
37) 2-Methylnaphthalene	8.833	142	275217	55.033	ng		100
38) 1-Methylnaphthalene	8.933	142	262735	53.614	ng		99
40) 1,2,4,5-Tetrachloroben...	8.998	216	119888	52.191	ng		98
41) Hexachlorocyclopentadiene	8.980	237	63003	101.566	ng		100
43) 2,4,6-Trichlorophenol	9.116	196	77816	55.561	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138909.D
Acq On : 10 Aug 2024 14:48
Operator : RC/JU
Sample : P3415-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Quant Time: Aug 12 01:14:47 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

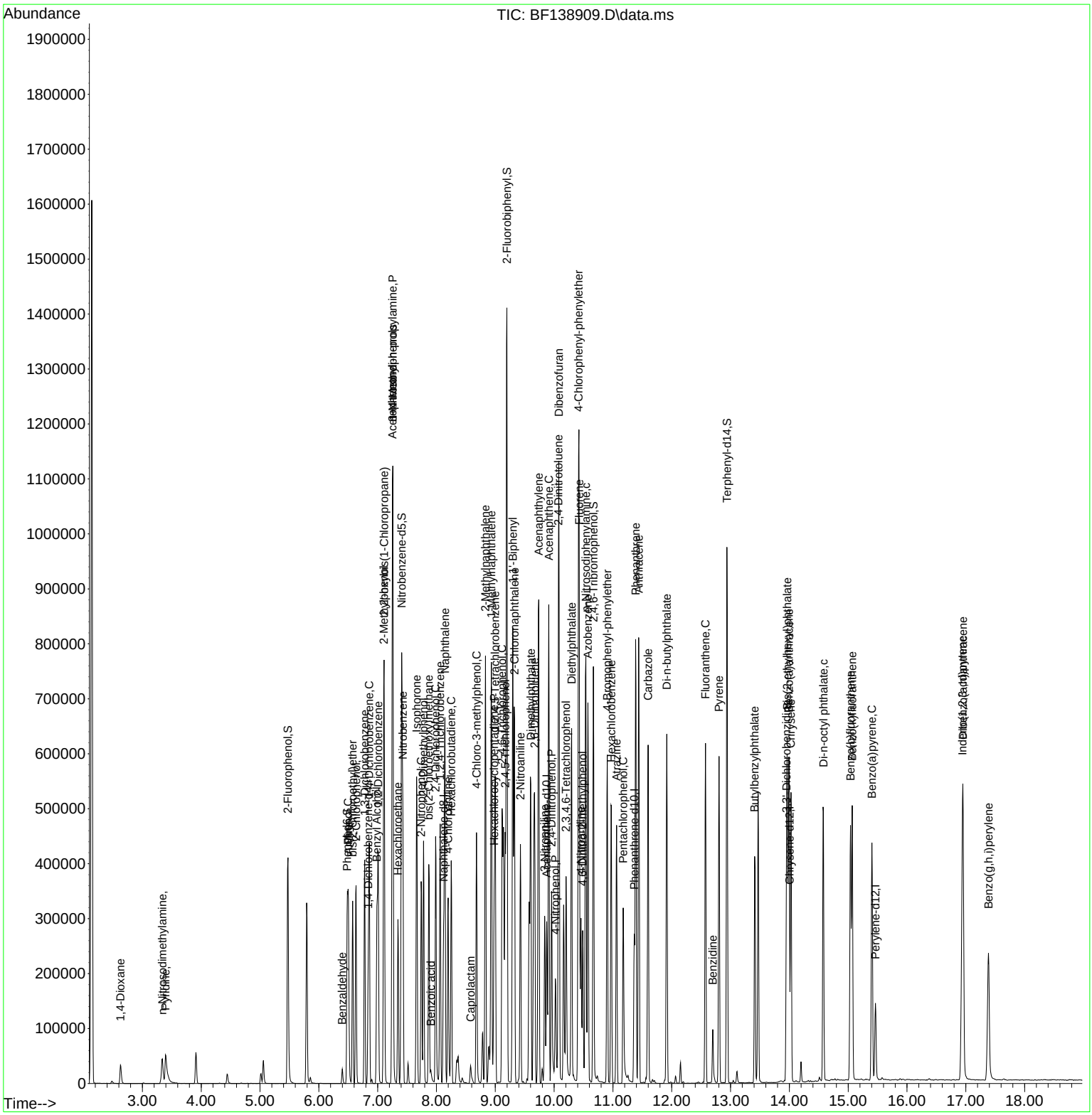
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	78968	51.576	ng		96
46) 1,1'-Biphenyl	9.298	154	342866	52.942	ng		99
47) 2-Chloronaphthalene	9.328	162	265124	55.043	ng		99
48) 2-Nitroaniline	9.428	65	101555	62.193	ng		96
49) Acenaphthylene	9.739	152	424290	62.109	ng		99
50) Dimethylphthalate	9.604	163	334319	63.229	ng		99
51) 2,6-Dinitrotoluene	9.669	165	71911	60.264	ng		91
52) Acenaphthene	9.910	154	261852	57.021	ng		99
53) 3-Nitroaniline	9.839	138	55431	44.935	ng		95
54) 2,4-Dinitrophenol	9.957	184	60363	109.890	ng		85
55) Dibenzofuran	10.080	168	391749	60.433	ng		99
56) 4-Nitrophenol	10.022	139	14922	20.116	ng	#	78
57) 2,4-Dinitrotoluene	10.075	165	92033	60.451	ng	#	82
58) Fluorene	10.427	166	312575	60.551	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	66170	56.529	ng		96
60) Diethylphthalate	10.298	149	317546	63.339	ng		100
61) 4-Chlorophenyl-phenyle...	10.416	204	157125	61.888	ng		98
62) 4-Nitroaniline	10.457	138	63363	54.051	ng		89
63) Azobenzene	10.575	77	333325	59.947	ng		97
65) 4,6-Dinitro-2-methylph...	10.486	198	47204	58.943	ng		91
66) n-Nitrosodiphenylamine	10.539	169	260717	63.541	ng		99
67) 4-Bromophenyl-phenylether	10.904	248	89002	62.624	ng		99
68) Hexachlorobenzene	10.974	284	89394	60.919	ng		97
69) Atrazine	11.063	200	73130	69.081	ng		99
70) Pentachlorophenol	11.174	266	56221	85.000	ng		97
71) Phenanthrene	11.386	178	418918	61.977	ng		99
72) Anthracene	11.439	178	427343	64.178	ng		99
73) Carbazole	11.598	167	330296	57.495	ng		98
74) Di-n-butylphthalate	11.916	149	414803	64.230	ng		99
75) Fluoranthene	12.574	202	338766	53.686	ng		98
77) Benzidine	12.698	184	53140	34.151	ng		99
78) Pyrene	12.804	202	330576	53.969	ng		100
80) Butylbenzylphthalate	13.410	149	126206	64.342	ng		99
81) Benzo(a)anthracene	13.992	228	272253	60.771	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	77558	67.651	ng		99
83) Chrysene	14.027	228	248656	61.521	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	179058	62.340	ng		97
85) Di-n-octyl phthalate	14.580	149	319070	60.041	ng		99
87) Indeno(1,2,3-cd)pyrene	16.945	276	299773	53.252	ng		97
88) Benzo(b)fluoranthene	15.039	252	269722	55.391	ng		98
89) Benzo(k)fluoranthene	15.068	252	275502	65.346	ng		99
90) Benzo(a)pyrene	15.404	252	260458	63.590	ng		98
91) Dibenzo(a,h)anthracene	16.951	278	245880	53.210	ng		99
92) Benzo(g,h,i)perylene	17.386	276	214902	44.816	ng		96

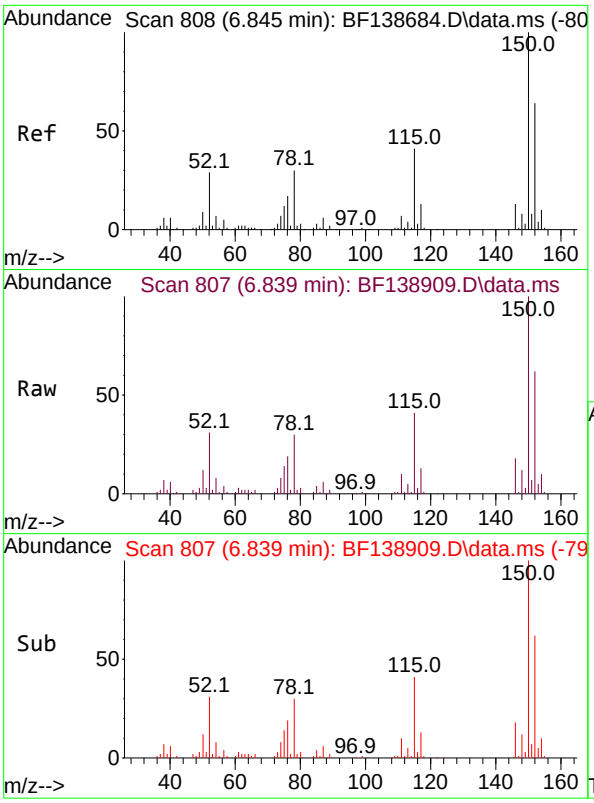
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138909.D
Acq On : 10 Aug 2024 14:48
Operator : RC/JU
Sample : P3415-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Quant Time: Aug 12 01:14:47 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



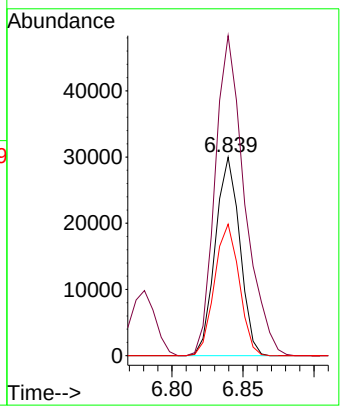


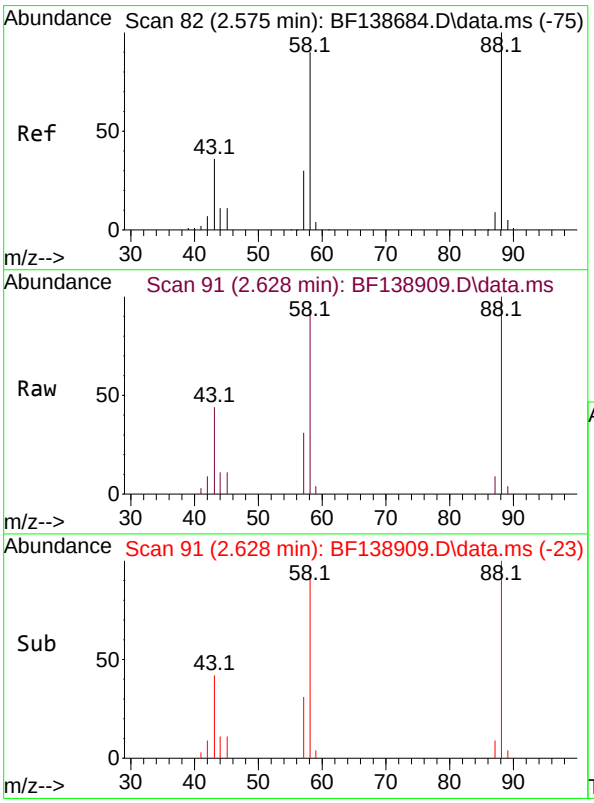
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:152 Resp: 35990

Ion	Ratio	Lower	Upper
152	100		
150	161.4	126.0	189.0
115	66.3	51.7	77.5

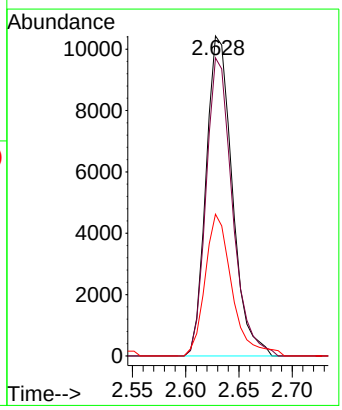


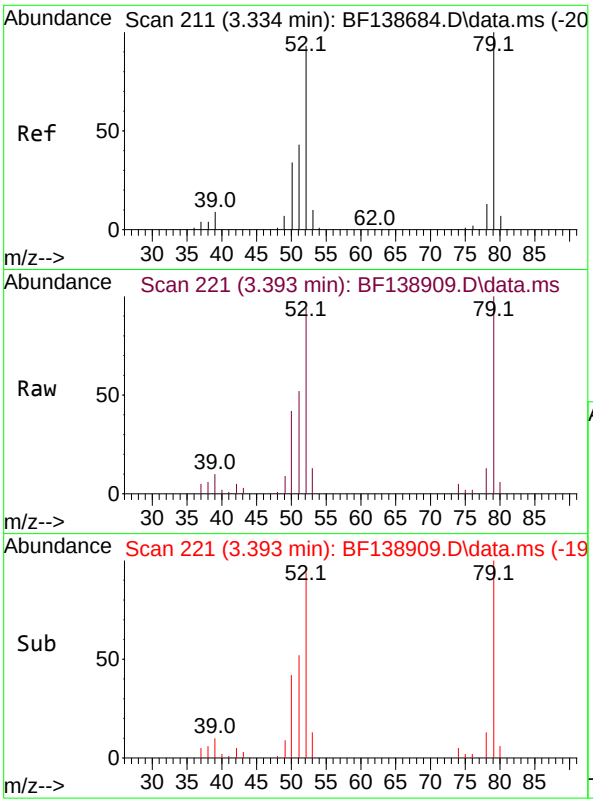


#2
1,4-Dioxane
Concen: 17.479 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.053 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 88 Resp: 17841

Ion	Ratio	Lower	Upper
88	100		
58	93.2	71.6	107.4
43	45.4	28.7	43.1#



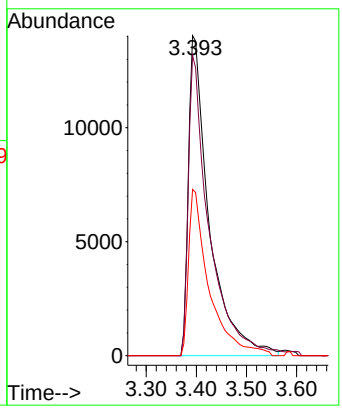


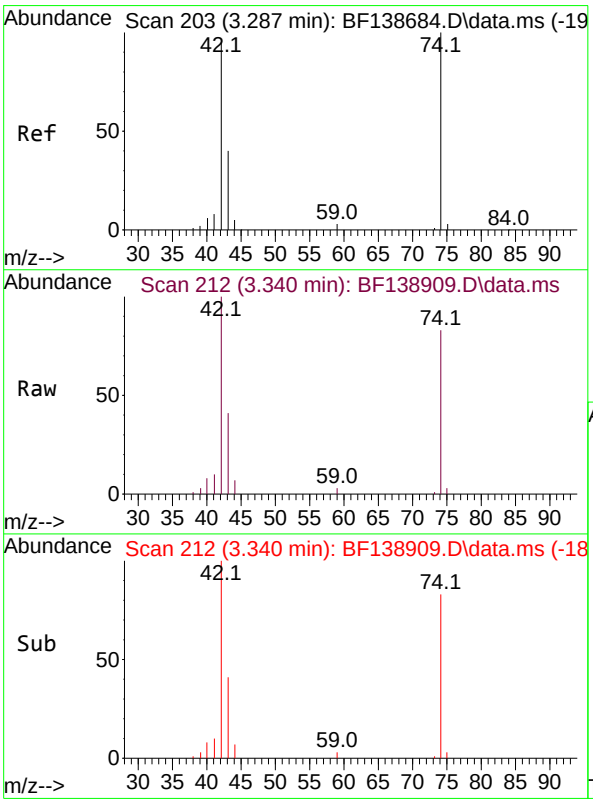
#3
Pyridine
Concen: 16.434 ng
RT: 3.393 min Scan# 2
Delta R.T. 0.059 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 79 Resp: 40636

Ion	Ratio	Lower	Upper
79	100		
52	93.7	74.7	112.1
51	52.0	34.6	51.8#

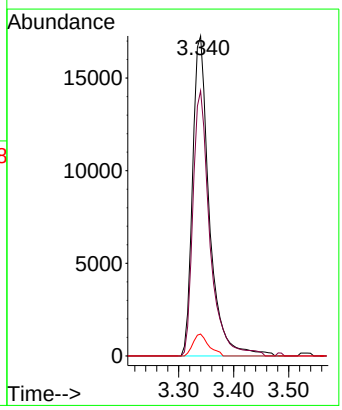


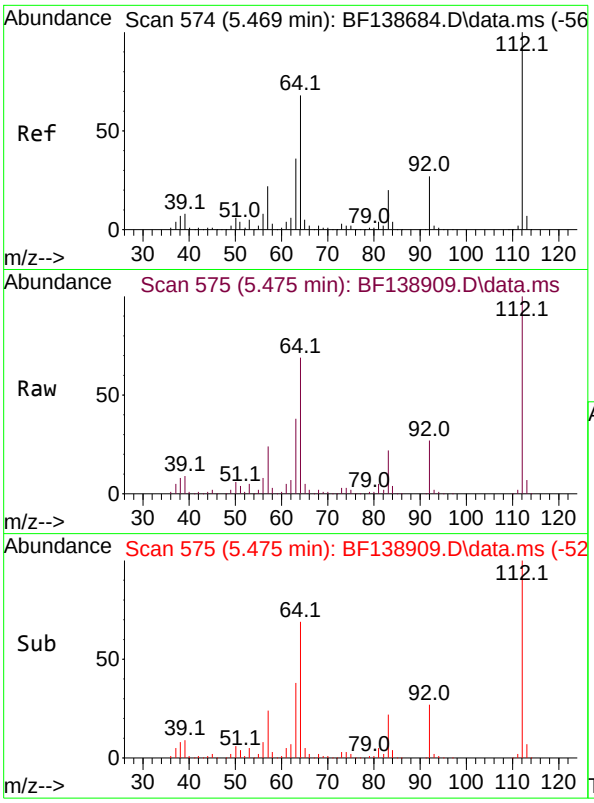


#4
n-Nitrosodimethylamine
Concen: 24.820 ng
RT: 3.340 min Scan# 212
Delta R.T. 0.053 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 42 Resp: 36552

Ion	Ratio	Lower	Upper
42	100		
74	82.9	84.2	126.4#
44	6.9	4.9	7.3



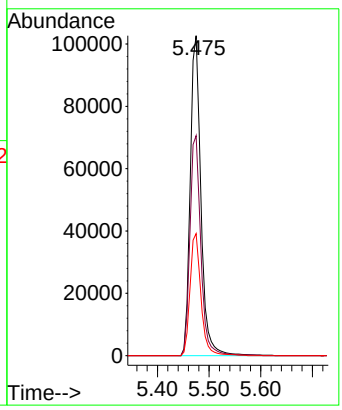


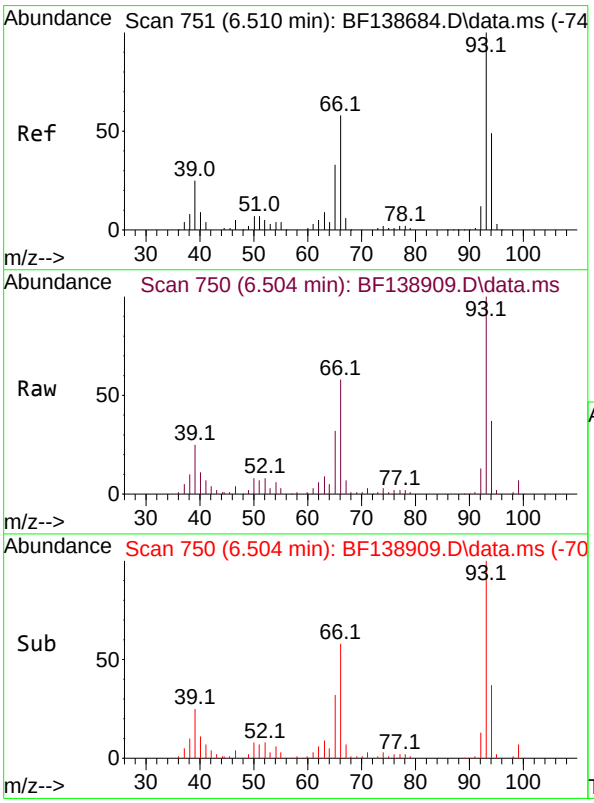
#5
2-Fluorophenol
Concen: 63.409 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:112 Resp: 147836

Ion	Ratio	Lower	Upper
112	100		
64	68.7	54.2	81.4
63	38.2	28.7	43.1

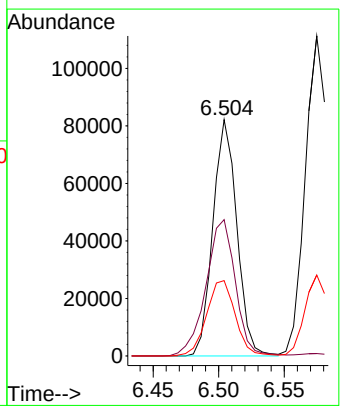


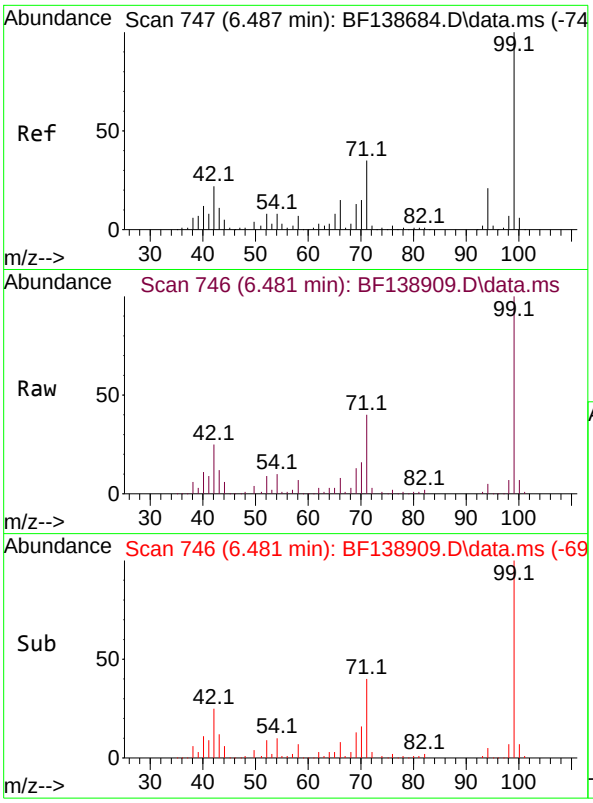


#6
Aniline
Concen: 37.391 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 93 Resp: 104381

Ion	Ratio	Lower	Upper
93	100		
66	57.7	46.9	70.3
65	31.9	26.5	39.7



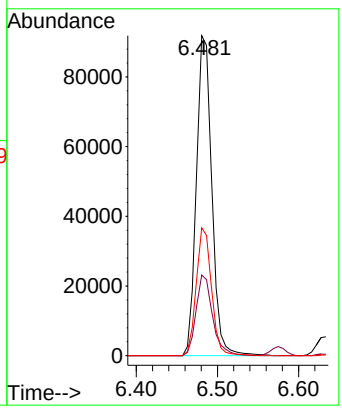


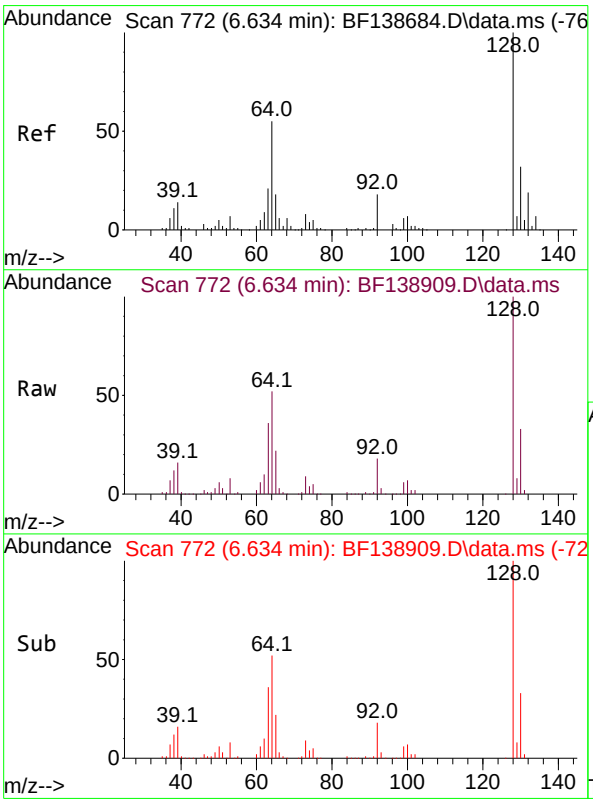
#7
Phenol-d6
Concen: 38.901 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 99 Resp: 121770

Ion	Ratio	Lower	Upper
99	100		
42	25.2	17.4	26.0
71	39.9	28.1	42.1

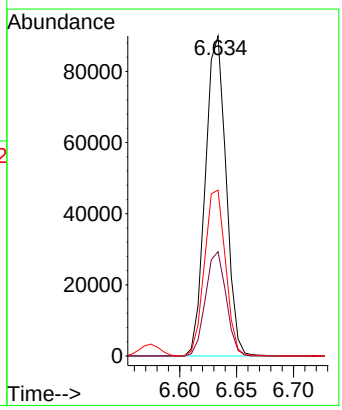


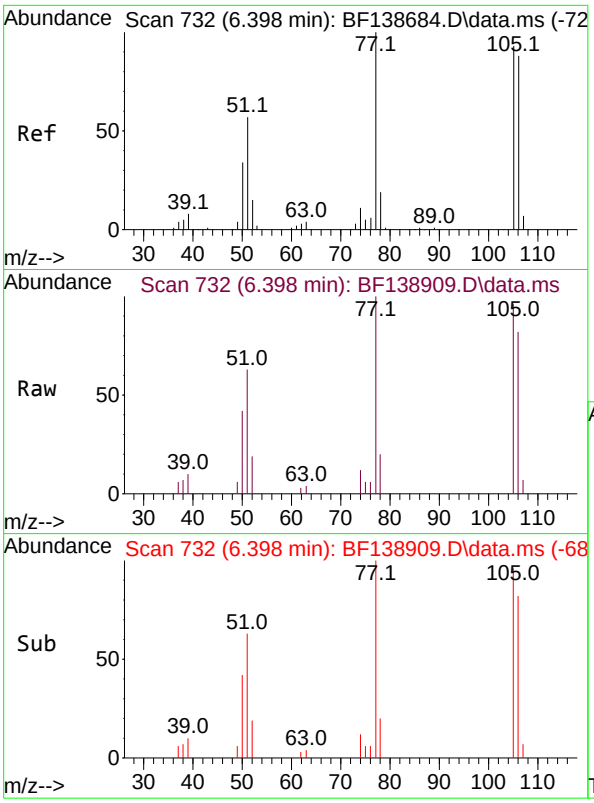


#8
2-Chlorophenol
Concen: 46.423 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:128 Resp: 113874

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.0	52.0
64	51.8	36.3	76.3



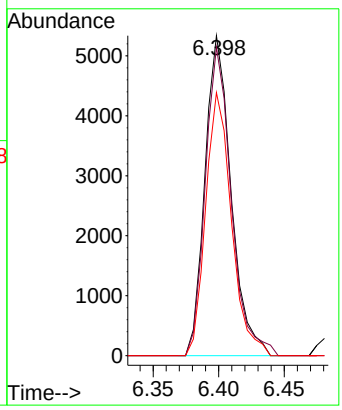


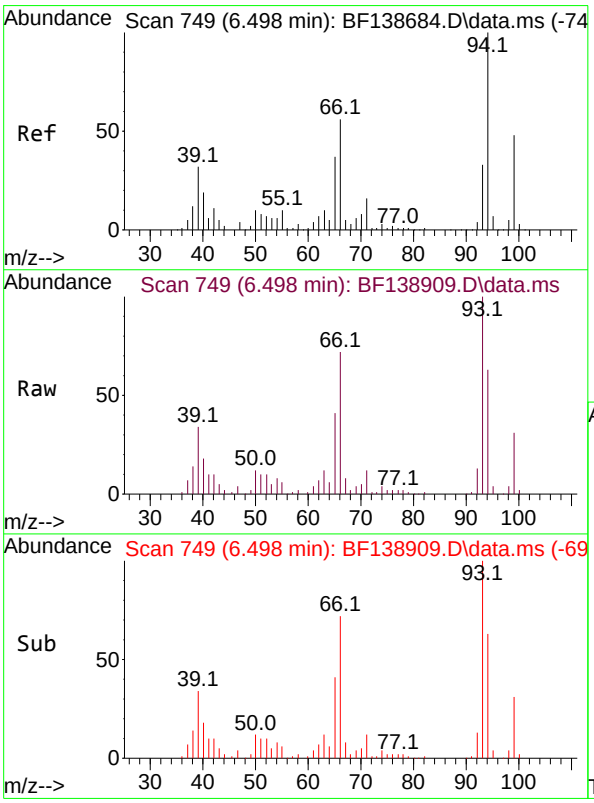
#9
Benzaldehyde
Concen: 3.942 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 77 Resp: 7397

Ion	Ratio	Lower	Upper
77	100		
105	96.4	72.9	112.9
106	82.2	68.4	108.4

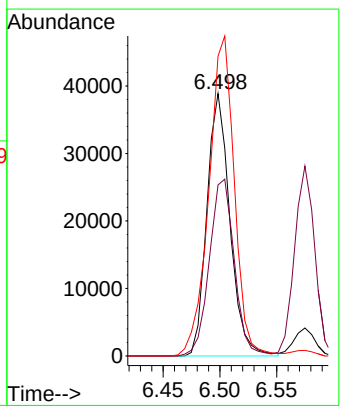


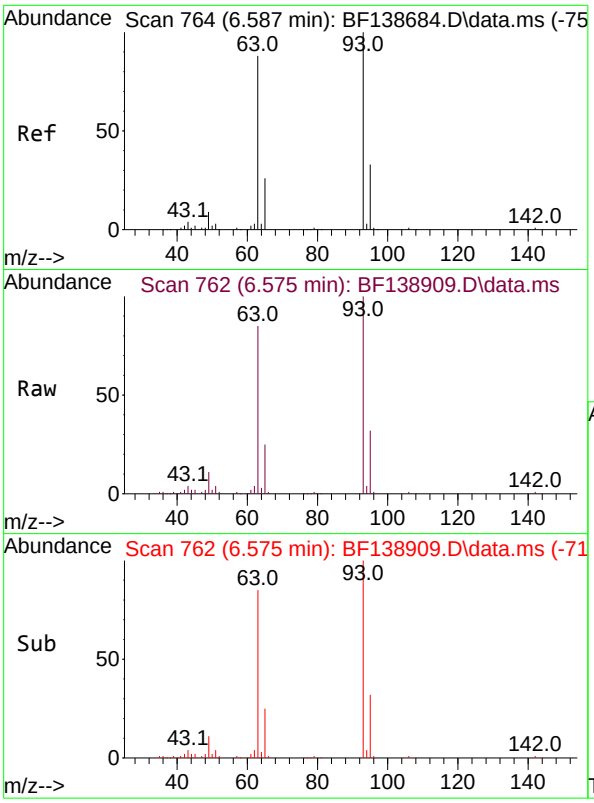


#10
Phenol
Concen: 16.605 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 94 Resp: 54727

Ion	Ratio	Lower	Upper
94	100		
65	65.2	16.9	56.9#
66	114.2	36.5	76.5#



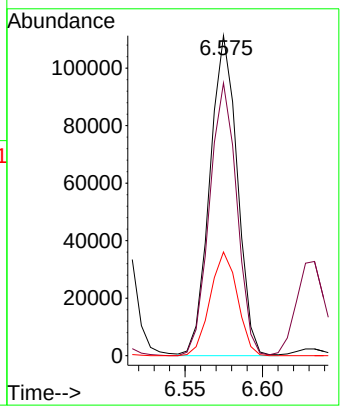


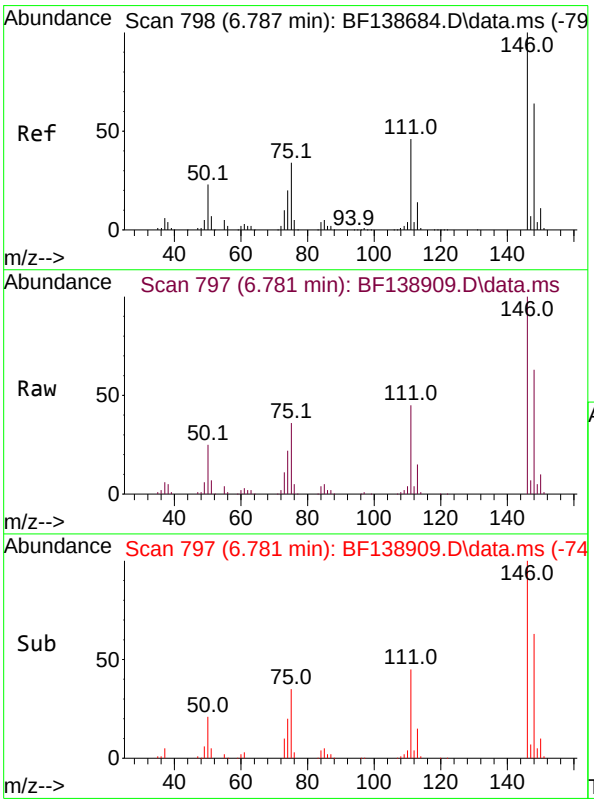
#11
bis(2-Chloroethyl)ether
Concen: 54.117 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 93 Resp: 137253

Ion	Ratio	Lower	Upper
93	100		
63	85.2	65.3	105.3
95	32.4	12.4	52.4

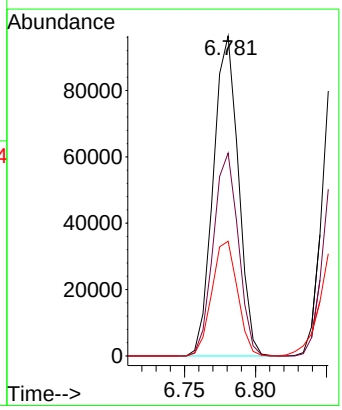


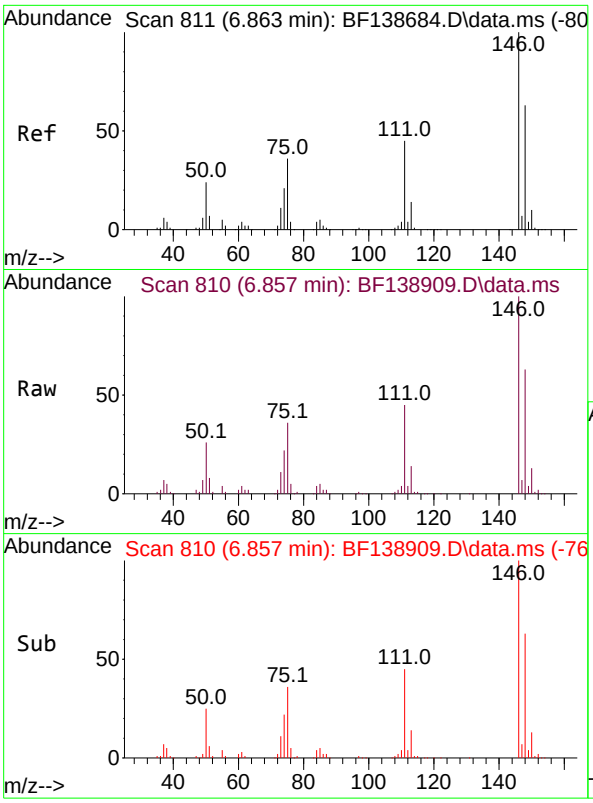


#12
1,3-Dichlorobenzene
Concen: 43.196 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:146 Resp: 118609

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.2	76.8
75	35.8	27.4	41.2



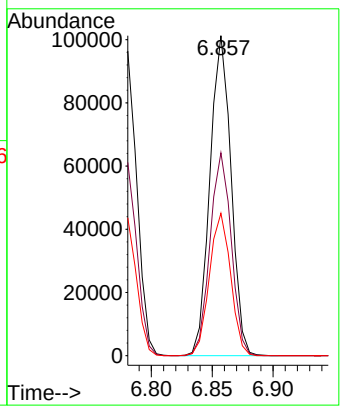


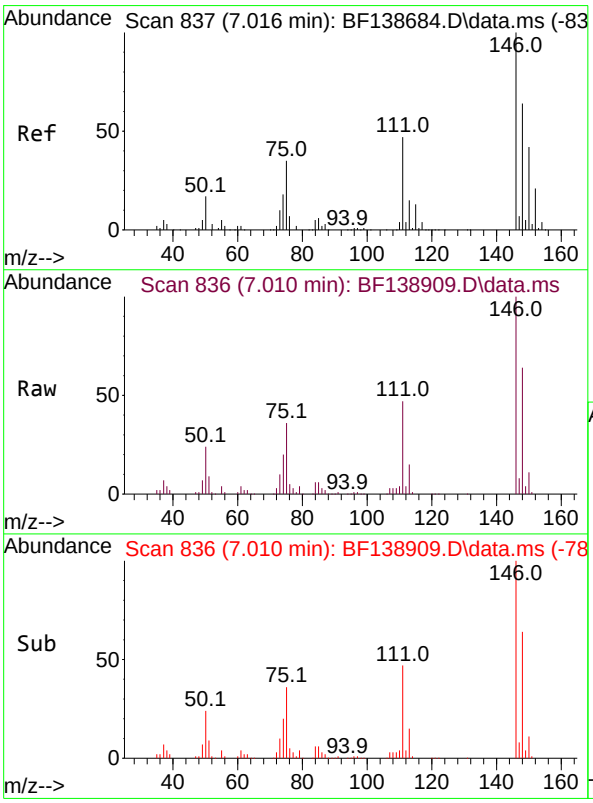
#13
1,4-Dichlorobenzene
Concen: 44.113 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:146 Resp: 122239

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	44.5	35.9	53.9

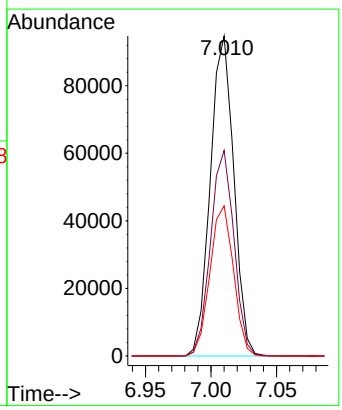


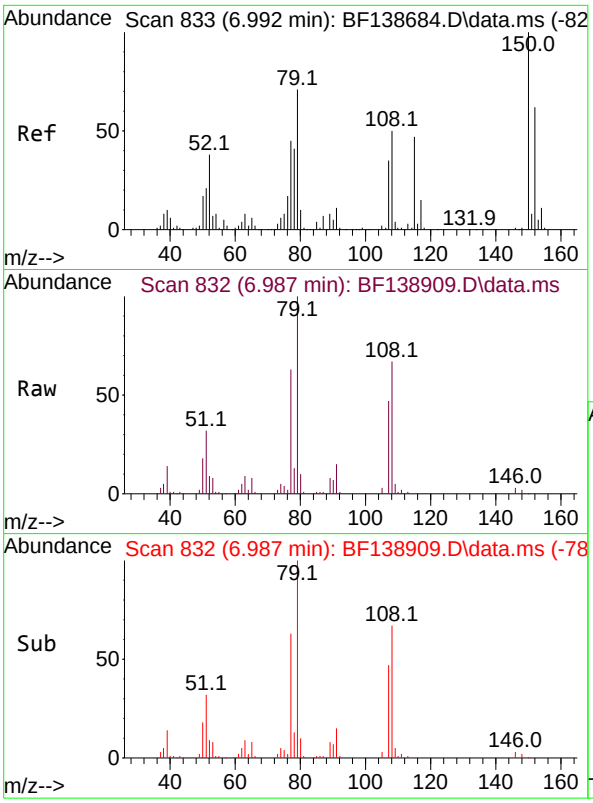


#14
1,2-Dichlorobenzene
Concen: 45.503 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:146 Resp: 117841

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.8	76.2
111	46.9	37.4	56.2



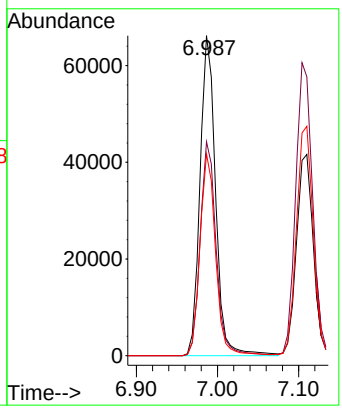


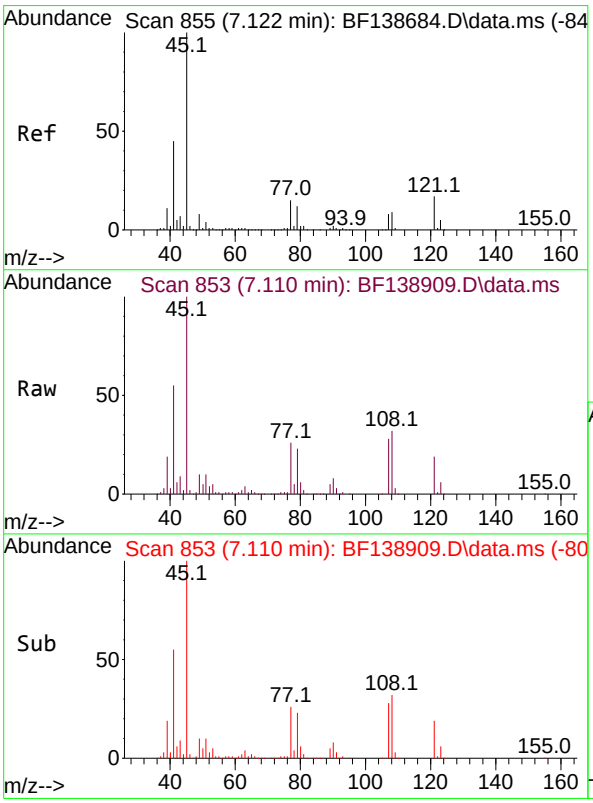
#15
Benzyl Alcohol
Concen: 39.083 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 79 Resp: 88176

Ion	Ratio	Lower	Upper
79	100		
108	66.9	56.6	85.0
77	63.1	50.3	75.5

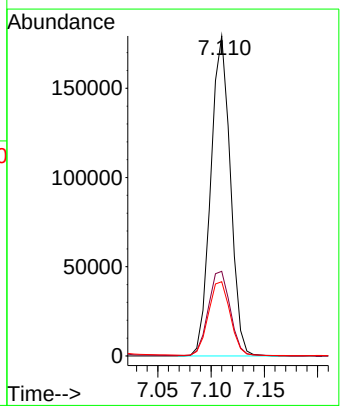


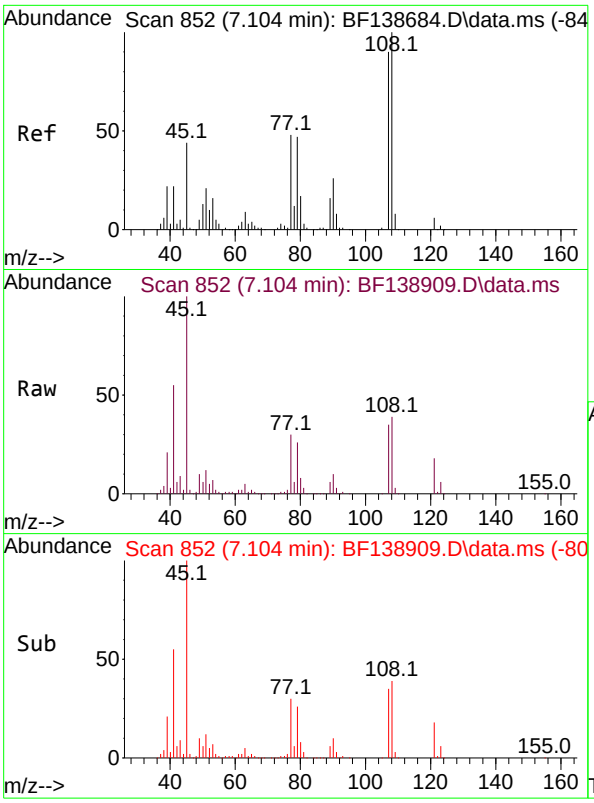


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.494 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 45 Resp: 229123

Ion	Ratio	Lower	Upper
45	100		
77	26.5	0.0	34.9
79	23.2	0.0	32.2



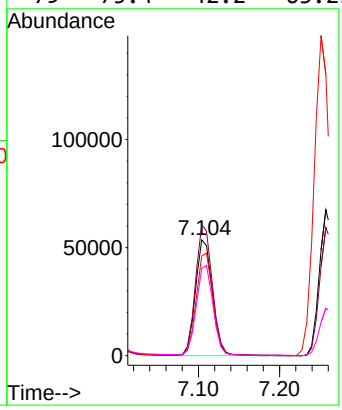


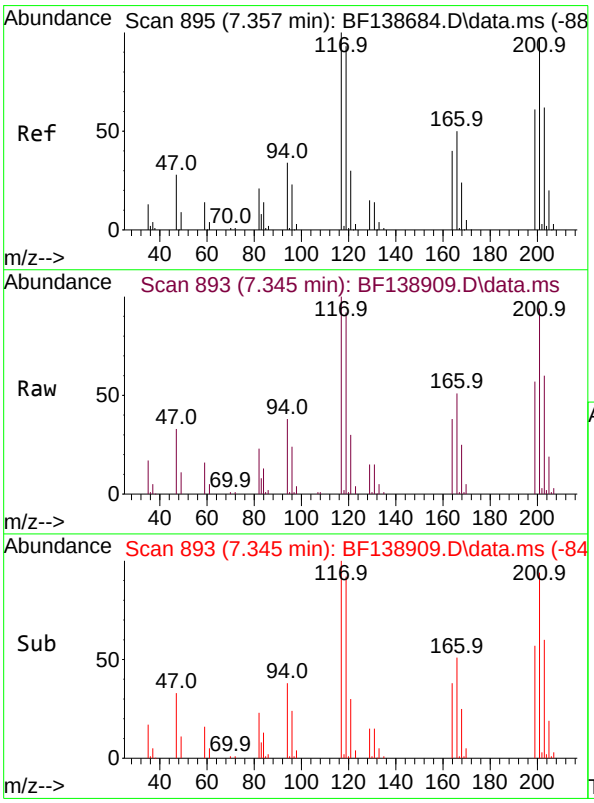
#17
2-Methylphenol
Concen: 38.599 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:107 Resp: 78184

Ion	Ratio	Lower	Upper
107	100		
108	113.1	89.2	133.8
77	86.0	43.0	64.4#
79	75.4	42.2	63.2#

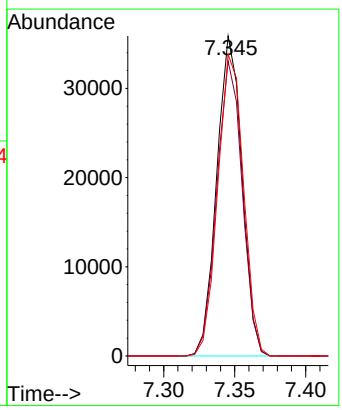


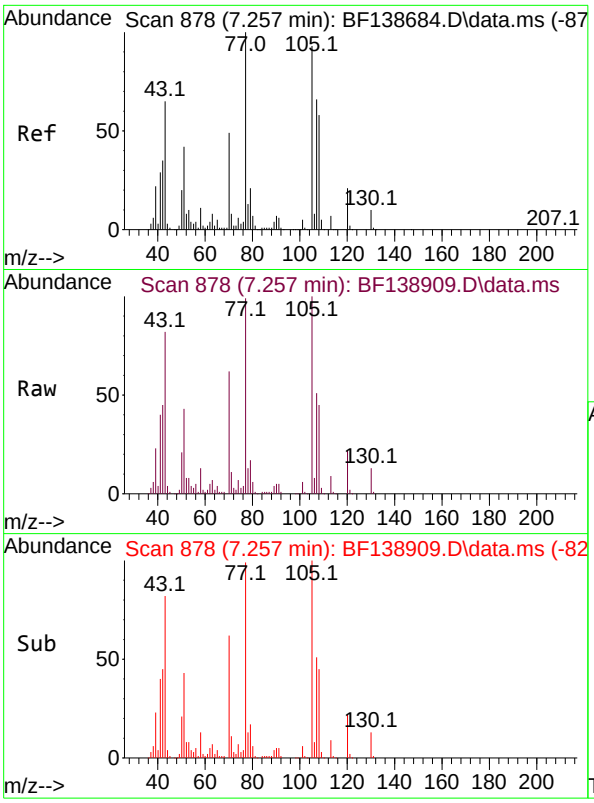


#18
Hexachloroethane
Concen: 42.418 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:117 Resp: 44245

Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.6	111.8
201	94.2	77.2	115.8



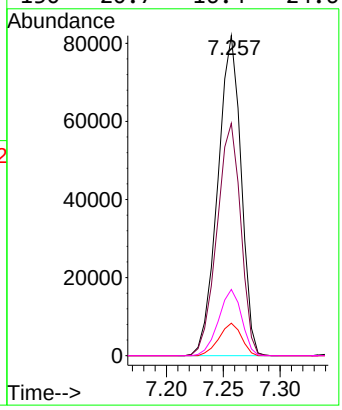


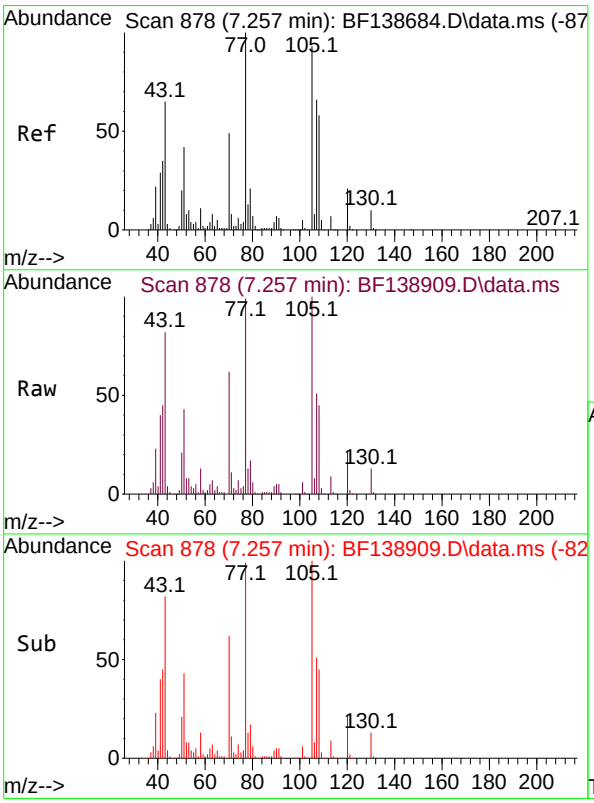
#19
n-Nitroso-di-n-propylamine
Concen: 62.008 ng
RT: 7.257 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 70 Resp: 117233

Ion	Ratio	Lower	Upper
70	100		
42	72.6	57.4	86.0
101	10.2	7.5	11.3
130	20.7	16.4	24.6

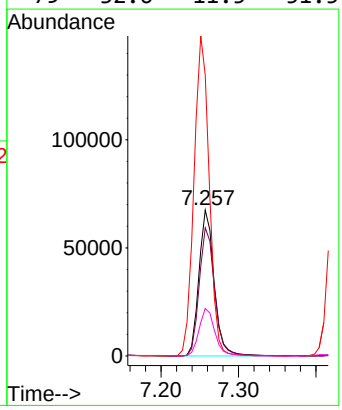


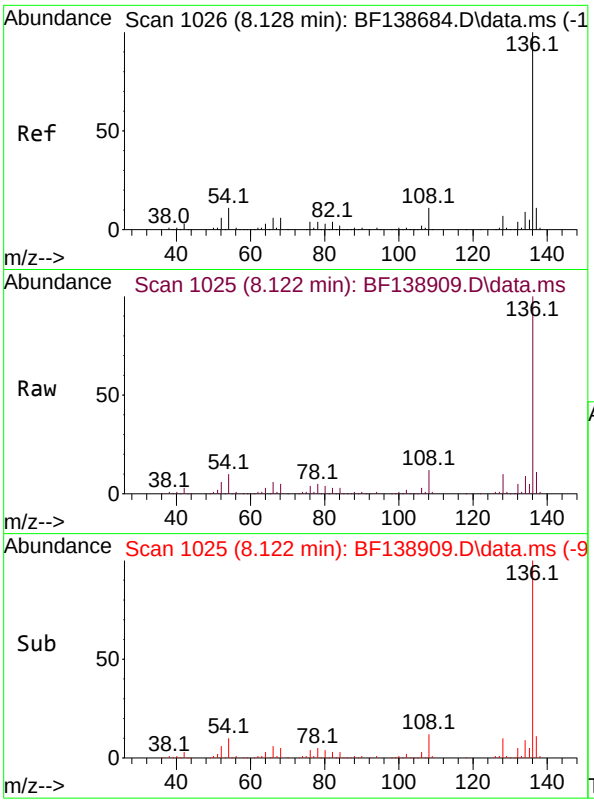


#20
3+4-Methylphenols
Concen: 35.552 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:107 Resp: 92394

Ion	Ratio	Lower	Upper
107	100		
108	87.8	68.2	108.2
77	192.5	132.1	172.1#
79	32.6	11.5	51.5



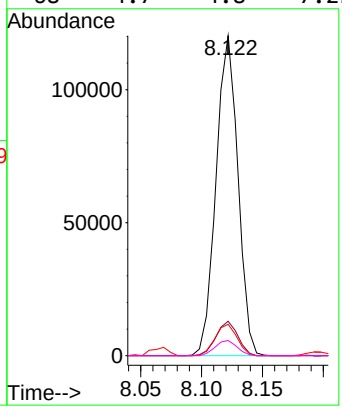


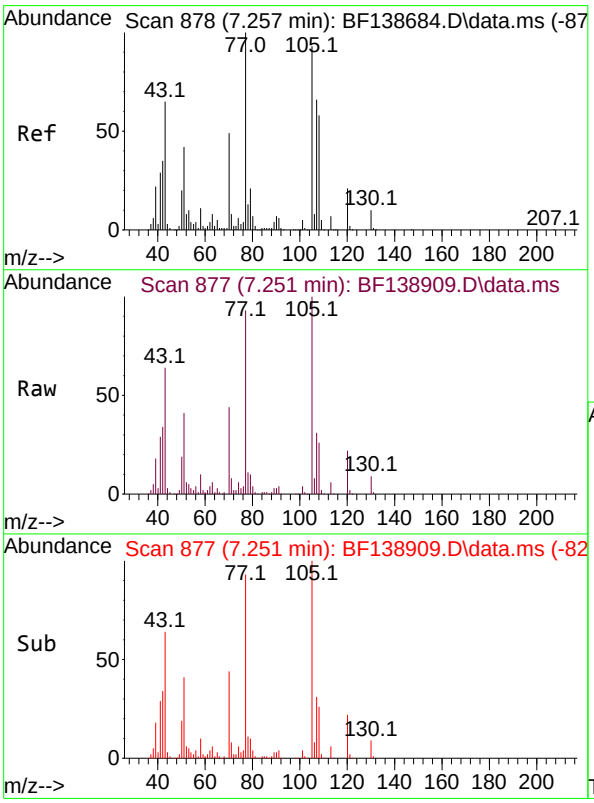
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:136 Resp: 150436

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.8	8.6	12.8
68	4.7	4.8	7.2#

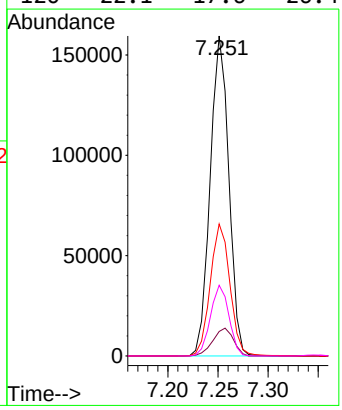


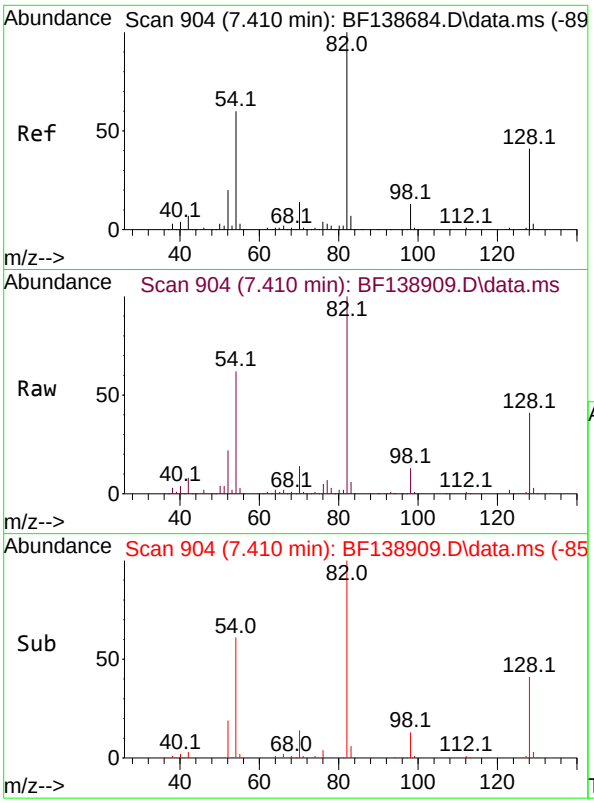


#22
Acetophenone
Concen: 55.999 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:105 Resp: 206267

Ion	Ratio	Lower	Upper
105	100		
71	7.7	7.2	10.8
51	41.3	35.9	53.9
120	22.1	17.6	26.4



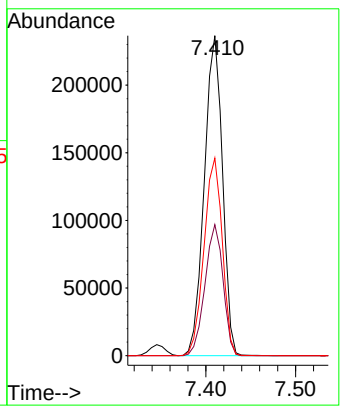


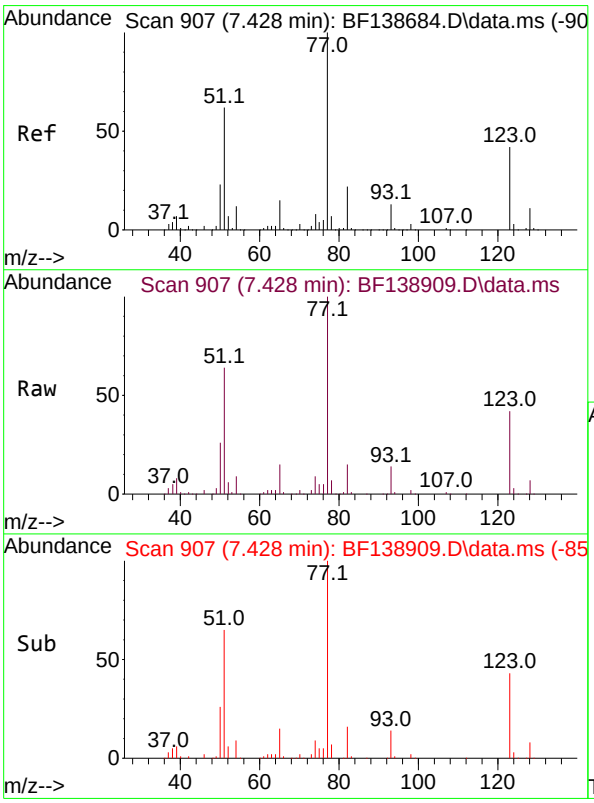
#23
Nitrobenzene-d5
Concen: 108.213 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 82 Resp: 332965

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.8	49.2
54	61.8	48.3	72.5

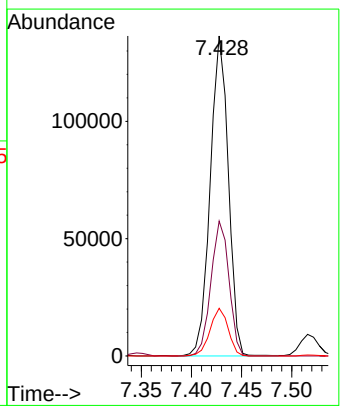


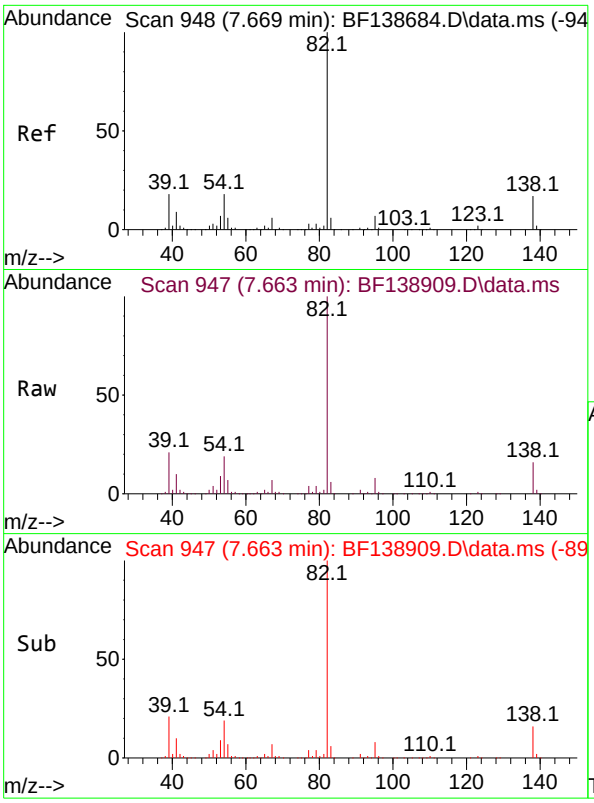


#24
Nitrobenzene
Concen: 54.843 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 77 Resp: 171715

Ion	Ratio	Lower	Upper
77	100		
123	42.1	33.3	49.9
65	14.9	11.9	17.9



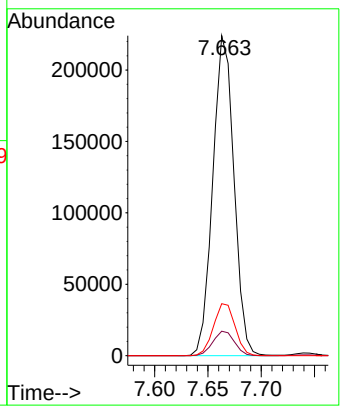


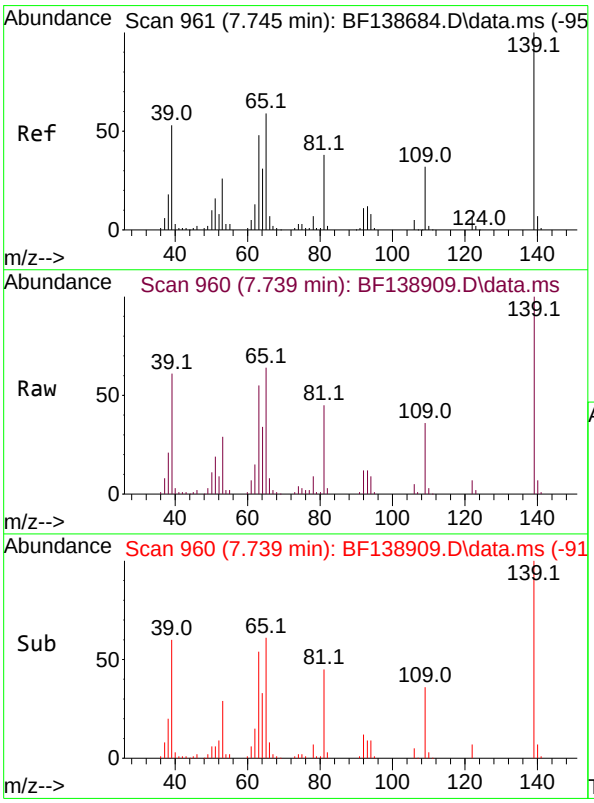
#25
Isophorone
Concen: 58.853 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 82 Resp: 309213

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.7	8.5
138	16.3	13.7	20.5

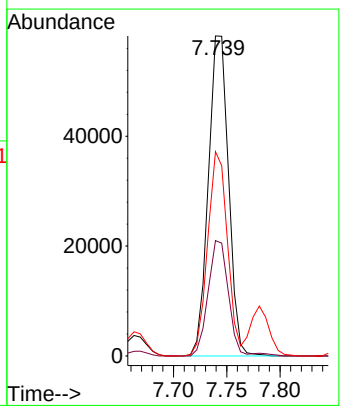


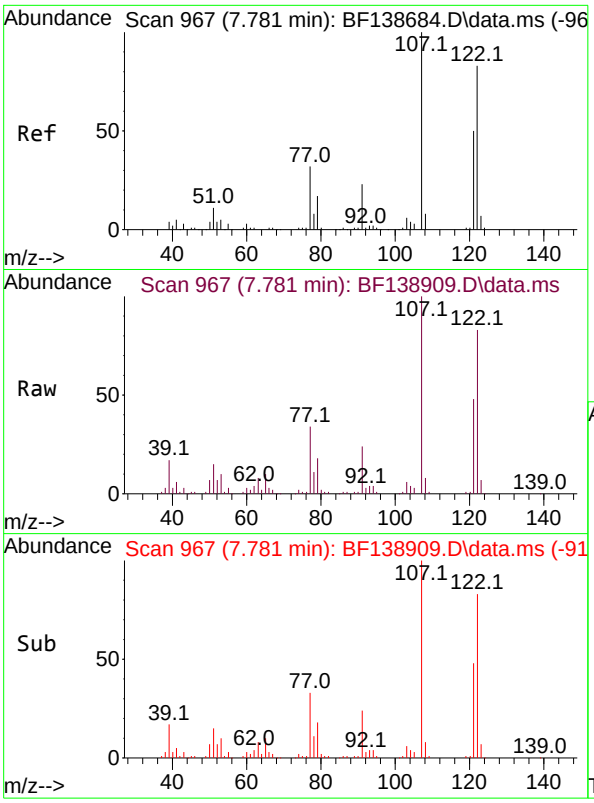


#26
2-Nitrophenol
Concen: 57.045 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:139 Resp: 76843

Ion	Ratio	Lower	Upper
139	100		
109	36.0	25.9	38.9
65	63.8	47.0	70.6



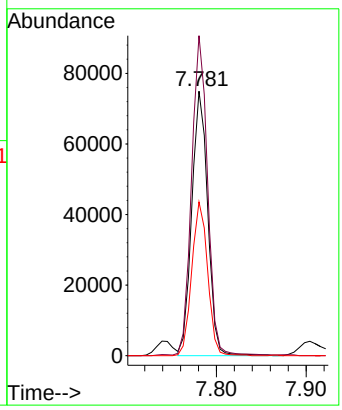


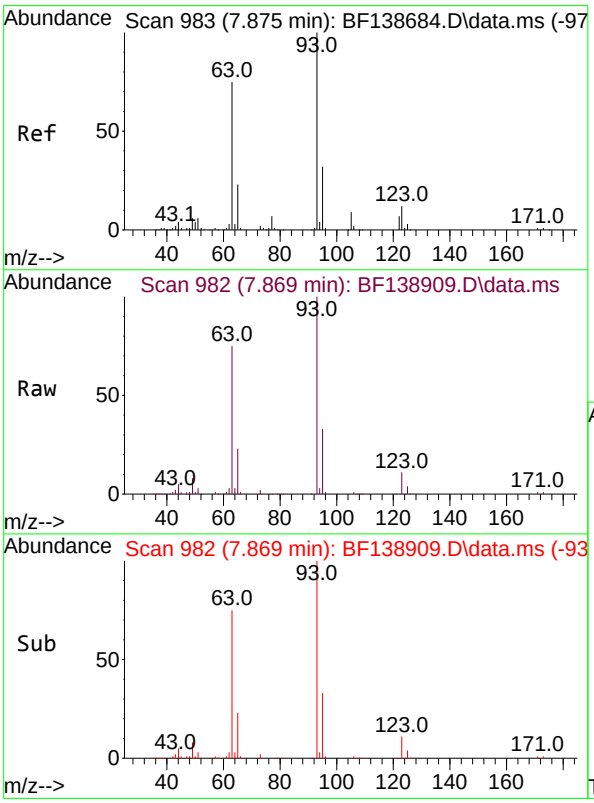
#27
2,4-Dimethylphenol
Concen: 57.523 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:122 Resp: 92710

Ion	Ratio	Lower	Upper
122	100		
107	121.0	95.0	142.6
121	58.2	47.3	70.9

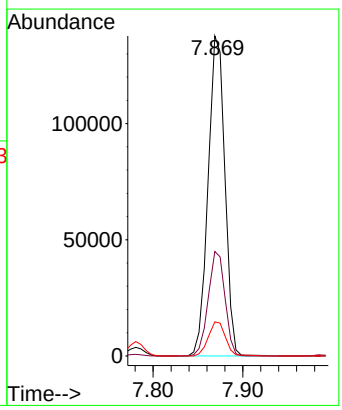


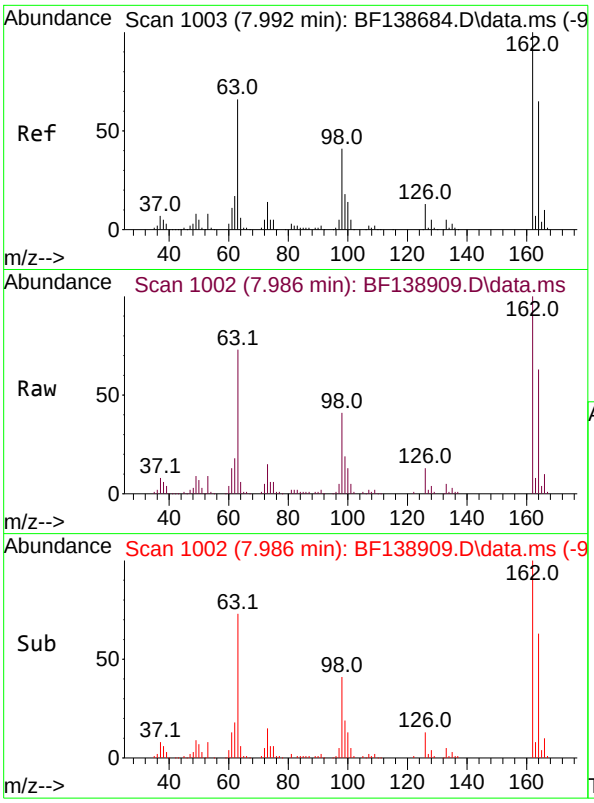


#28
bis(2-Chloroethoxy)methane
Concen: 55.911 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 93 Resp: 178889

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	10.6	9.4	14.0



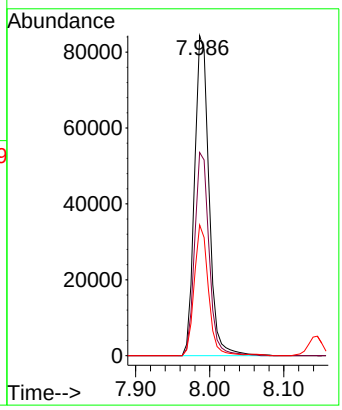


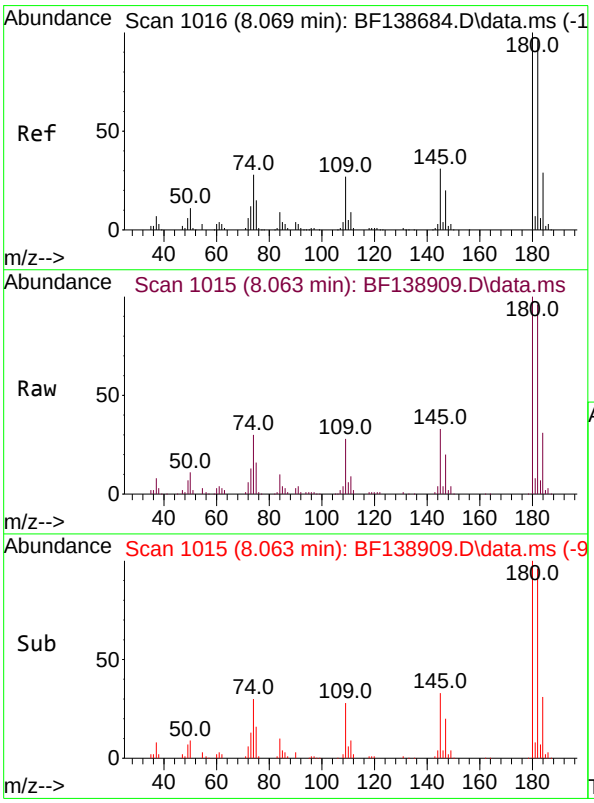
#29
2,4-Dichlorophenol
Concen: 55.278 ng
RT: 7.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:162 Resp: 114484

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.7	84.7
98	40.9	20.8	60.8

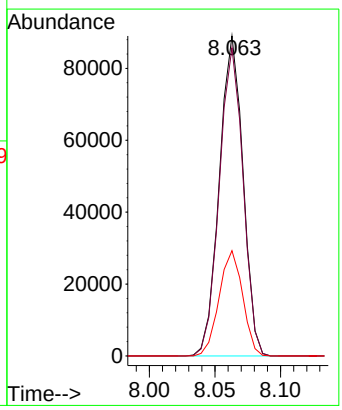


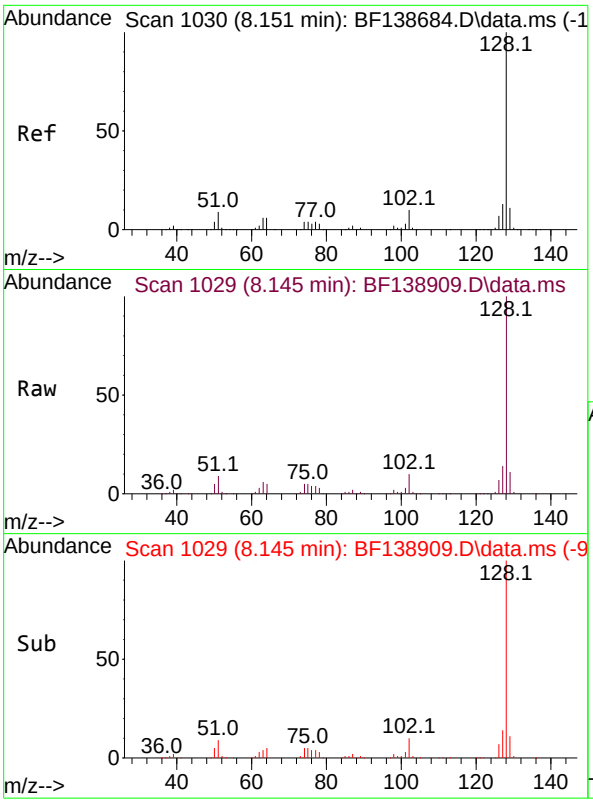


#30
1,2,4-Trichlorobenzene
Concen: 46.714 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:180 Resp: 111647

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.9	115.3
145	32.9	25.0	37.4



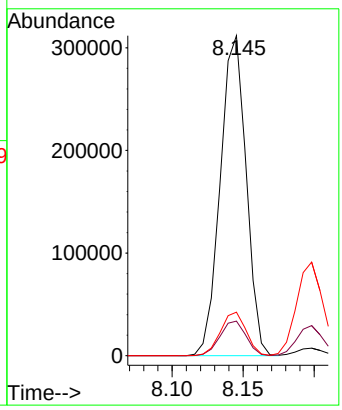


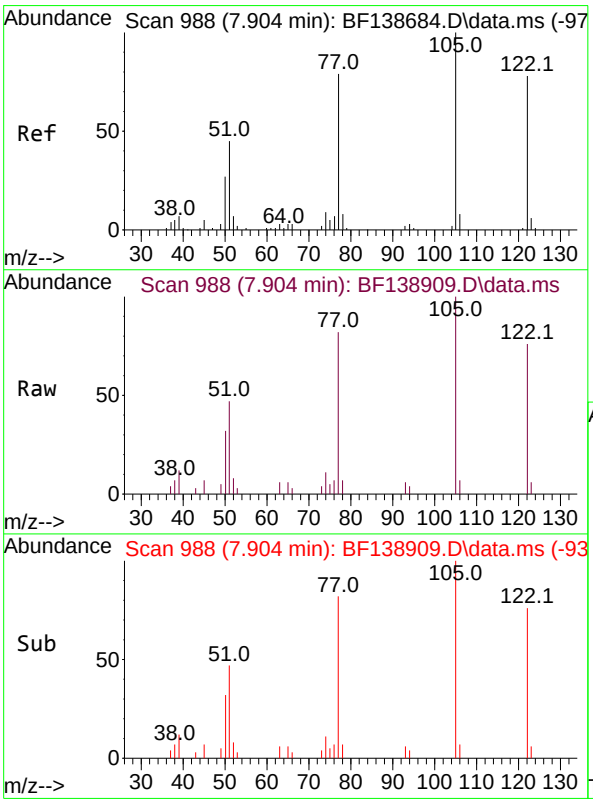
#31
Naphthalene
Concen: 49.975 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:128 Resp: 395728

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.6	10.6	16.0

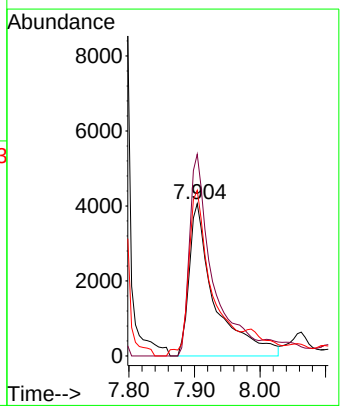


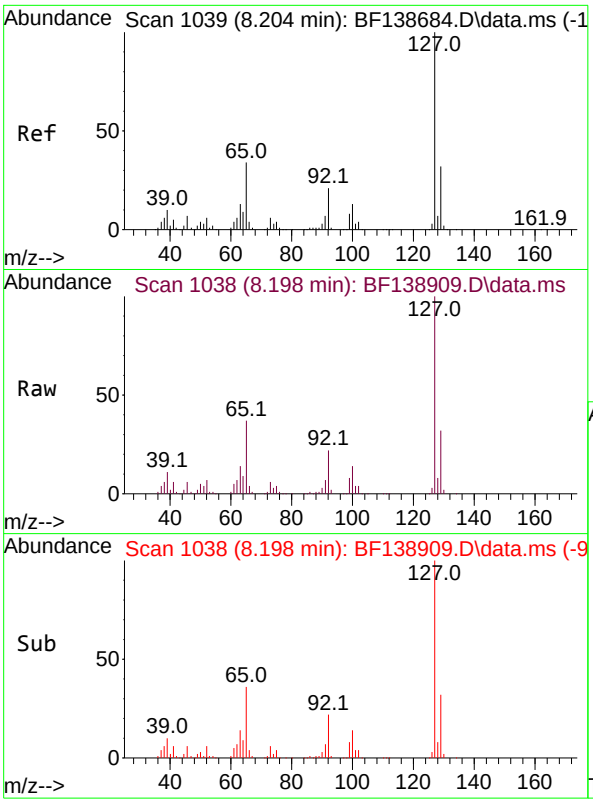


#32
Benzoic acid
Concen: 8.660 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:122 Resp: 10972

Ion	Ratio	Lower	Upper
122	100		
105	132.4	106.7	146.7
77	108.7	81.1	121.1



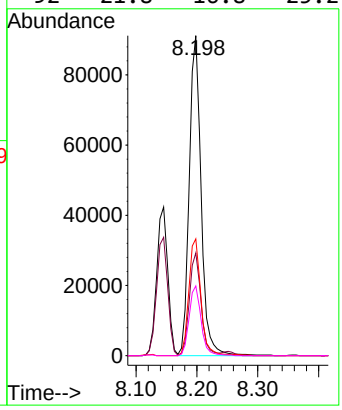


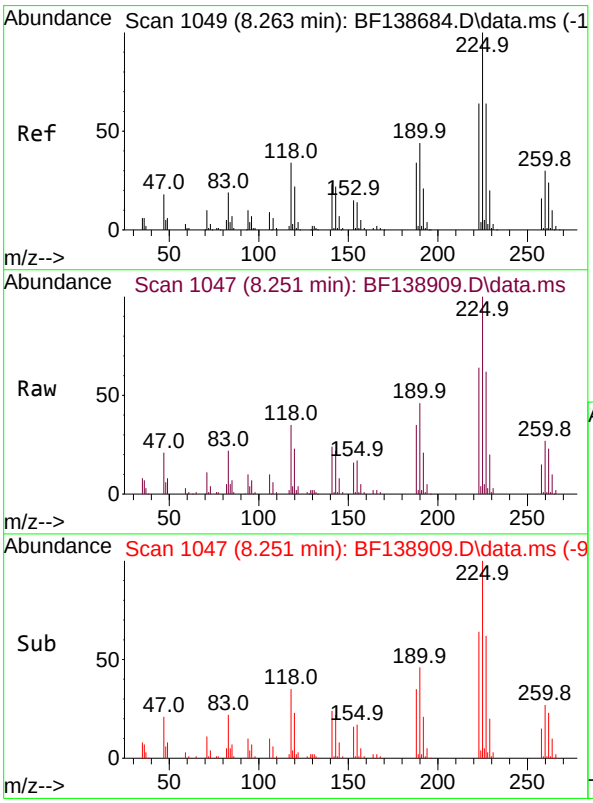
#33
4-Chloroaniline
Concen: 46.518 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:127 Resp: 123648

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	36.5	27.6	41.4
92	21.8	16.8	25.2

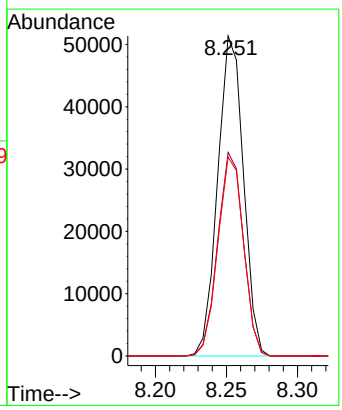


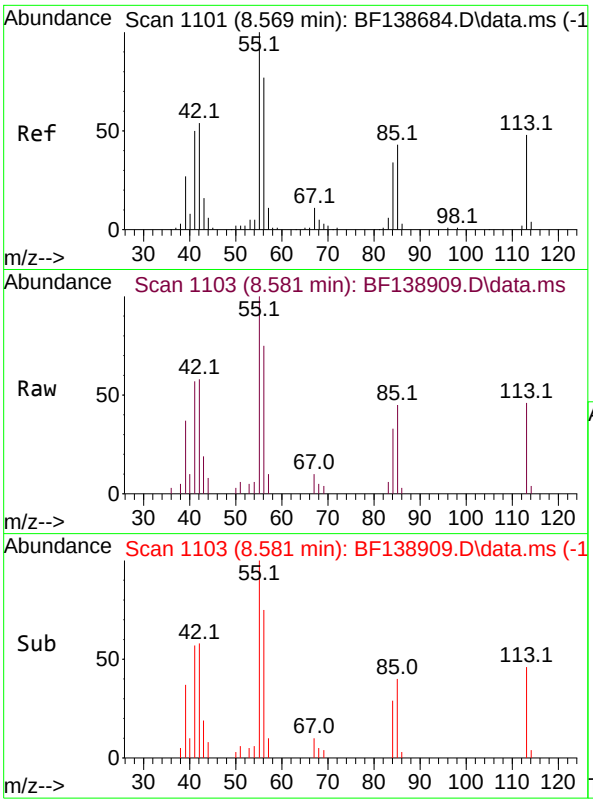


#34
Hexachlorobutadiene
Concen: 44.643 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:225 Resp: 64626

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.2	76.8
227	62.2	51.1	76.7



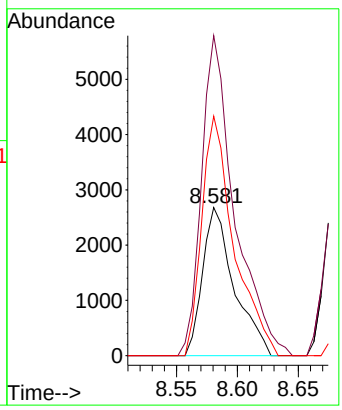


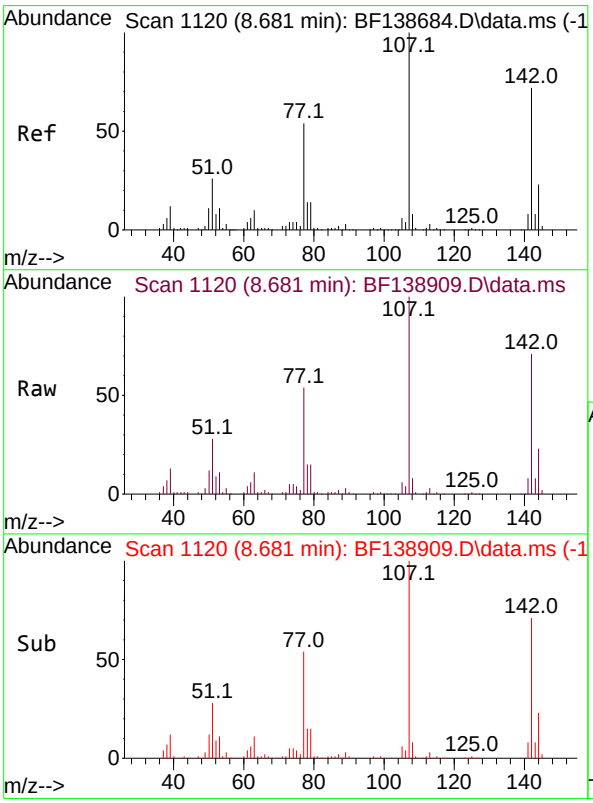
#35
Caprolactam
Concen: 7.827 ng
RT: 8.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:113 Resp: 4837

Ion	Ratio	Lower	Upper
113	100		
55	216.1	186.7	226.7
56	161.7	138.9	178.9

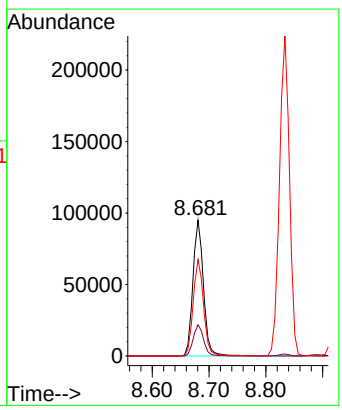


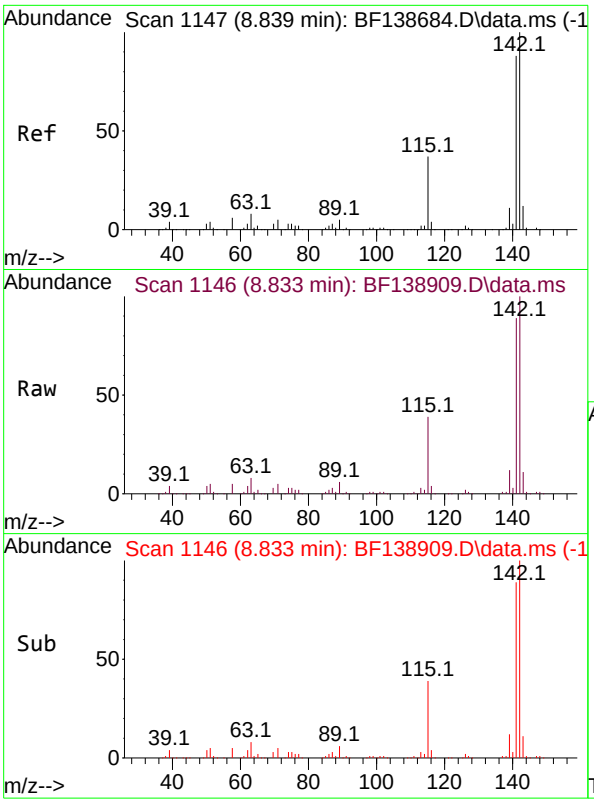


#36
4-Chloro-3-methylphenol
Concen: 52.060 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:107 Resp: 123221

Ion	Ratio	Lower	Upper
107	100		
144	23.0	18.2	27.2
142	71.0	57.4	86.2



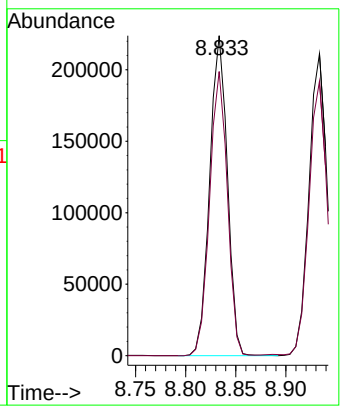


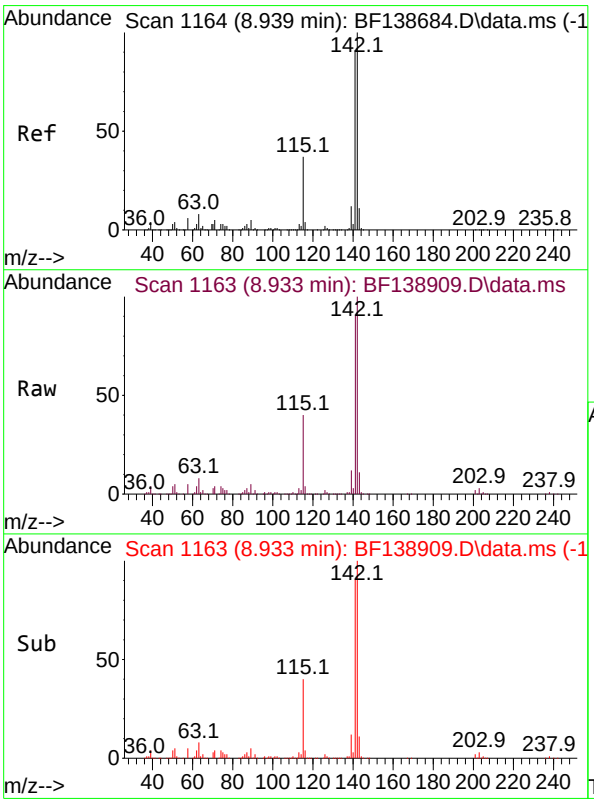
#37
2-Methylnaphthalene
Concen: 55.033 ng
RT: 8.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:142 Resp: 275217

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2

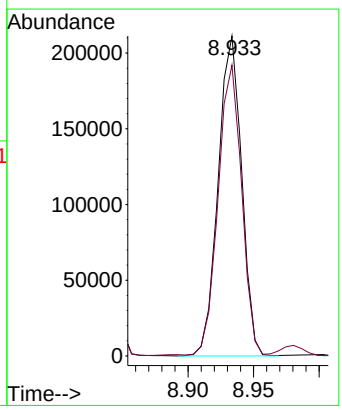


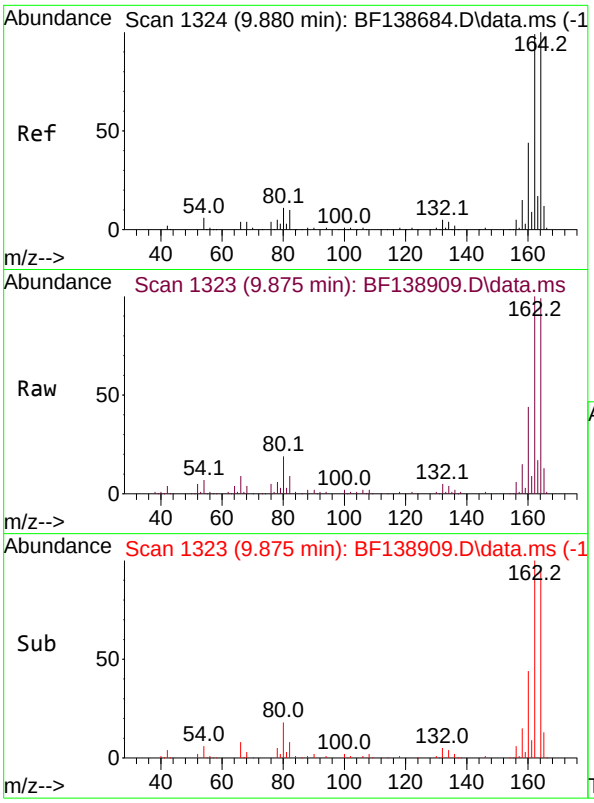


#38
1-Methylnaphthalene
Concen: 53.614 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:142 Resp: 262735

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.1	109.7



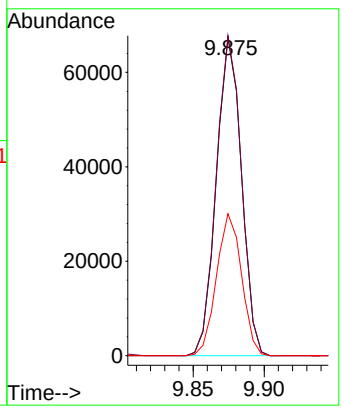


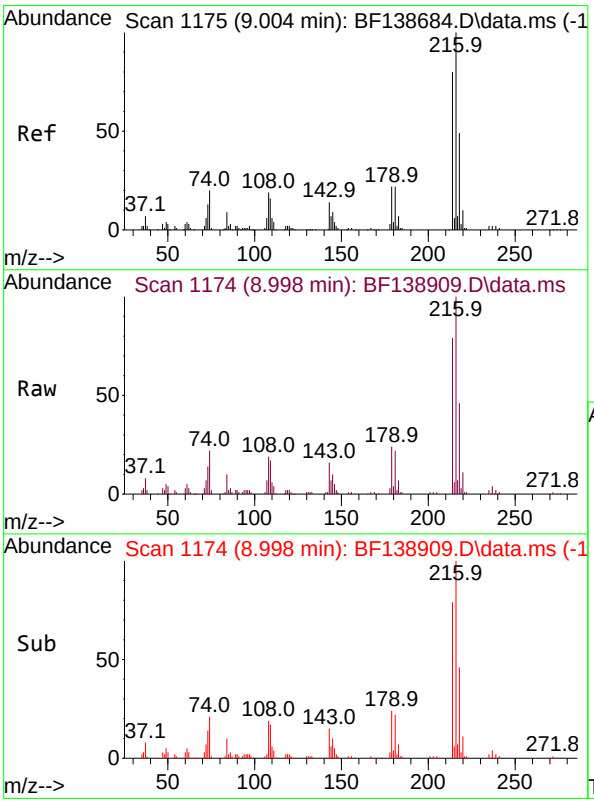
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:164 Resp: 82692

Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.4	119.0
160	44.7	35.1	52.7

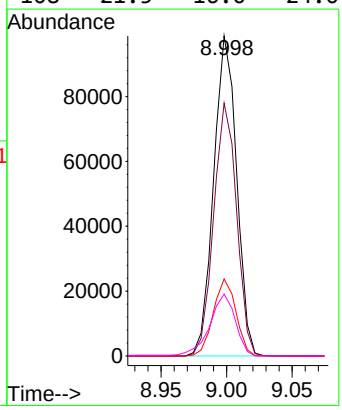


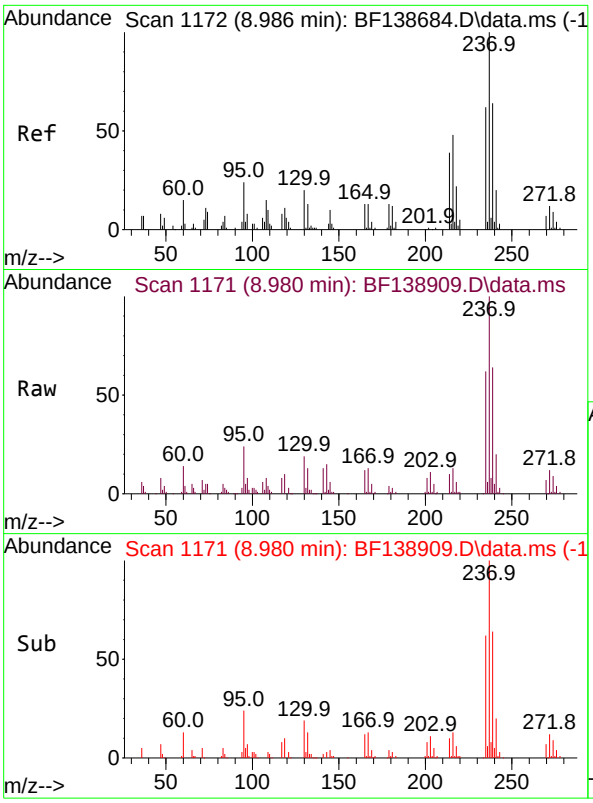


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.191 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:216 Resp: 119888

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.9	95.9
179	23.7	17.8	26.6
108	21.5	16.0	24.0



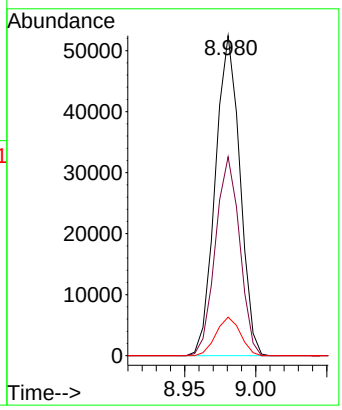


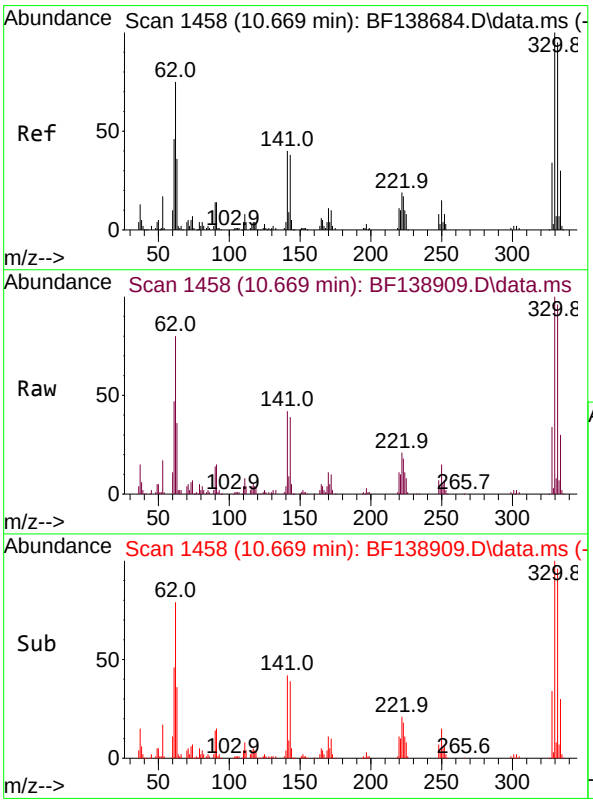
#41
Hexachlorocyclopentadiene
Concen: 101.566 ng
RT: 8.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:237 Resp: 63003

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.8	81.8
272	12.1	0.0	32.2

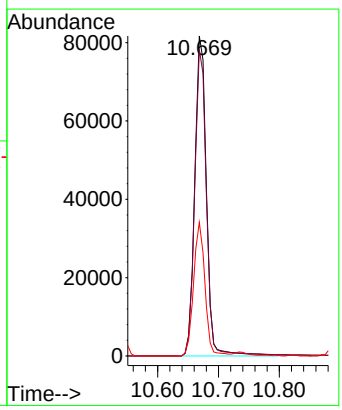


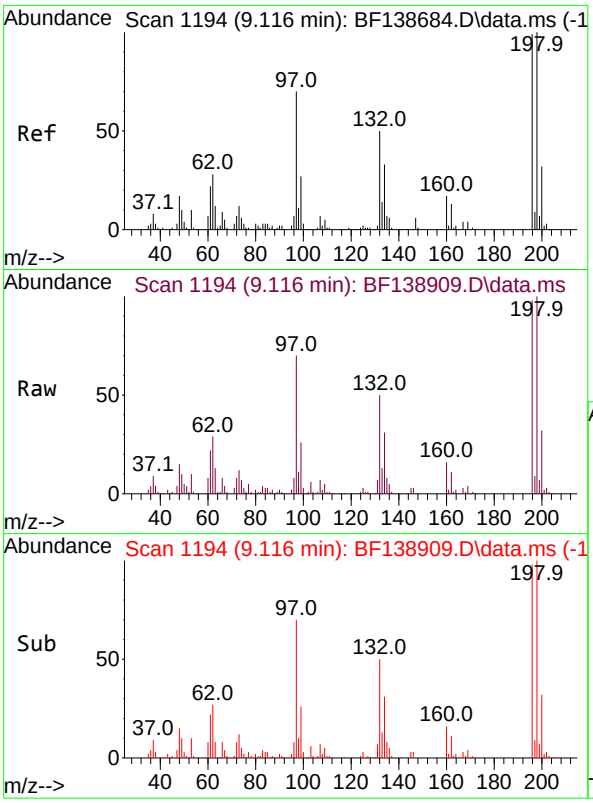


#42
2,4,6-Tribromophenol
Concen: 161.504 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:330 Resp: 109396

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.4	114.6
141	40.4	31.1	46.7



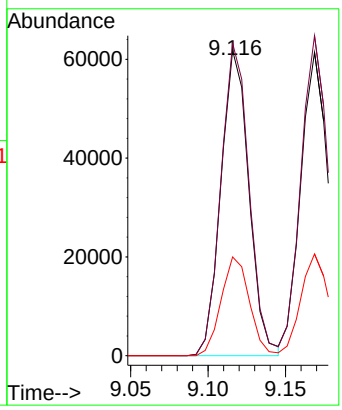


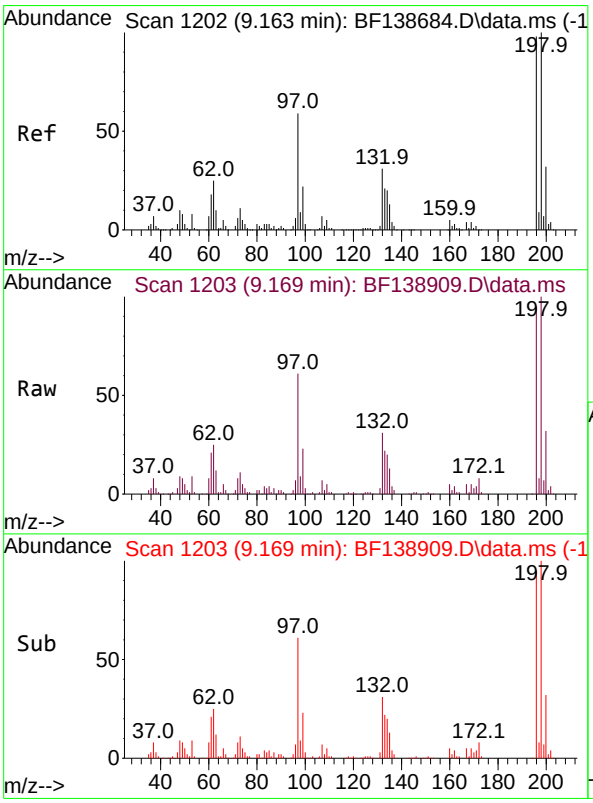
#43
2,4,6-Trichlorophenol
Concen: 55.561 ng
RT: 9.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:196 Resp: 77816

Ion	Ratio	Lower	Upper
196	100		
198	102.3	80.5	120.7
200	32.3	25.9	38.9

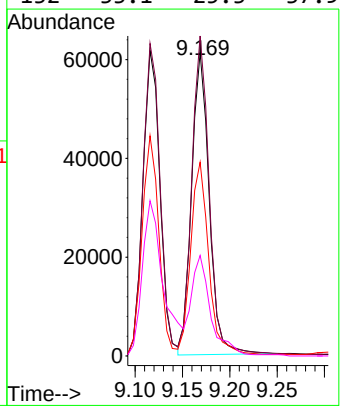


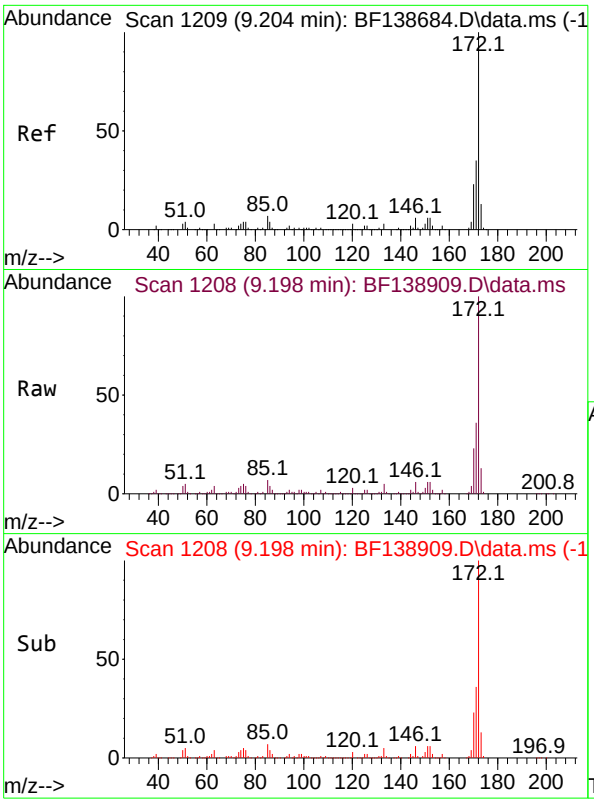


#44
2,4,5-Trichlorophenol
Concen: 51.576 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:196 Resp: 78968

Ion	Ratio	Lower	Upper
196	100		
198	105.5	81.2	121.8
97	63.9	47.8	71.6
132	33.1	25.3	37.9



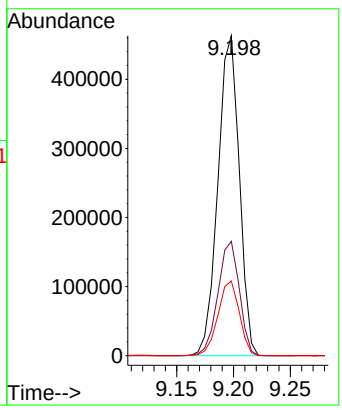


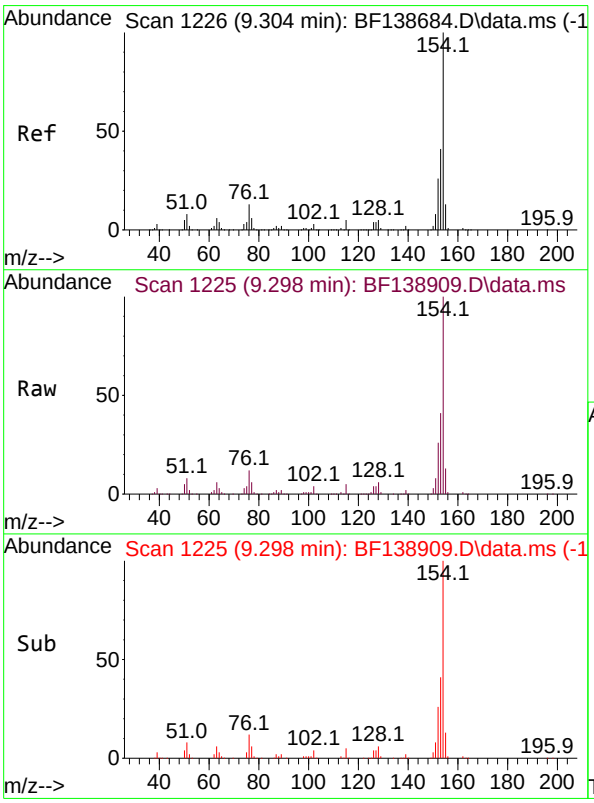
#45
2-Fluorobiphenyl
Concen: 110.109 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:172 Resp: 606000

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	23.4	18.8	28.2

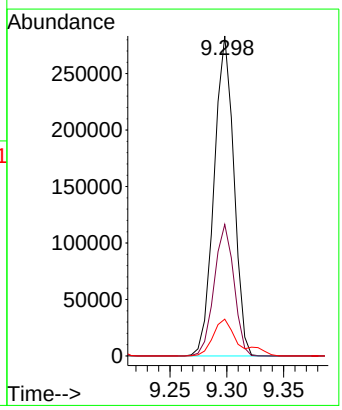


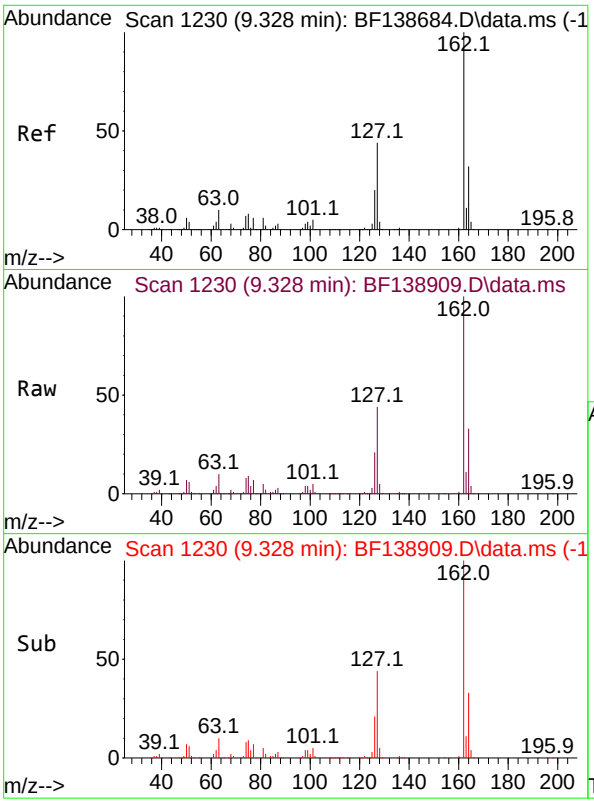


#46
1,1'-Biphenyl
Concen: 52.942 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:154 Resp: 342866

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.8	60.8
76	11.5	0.0	32.8



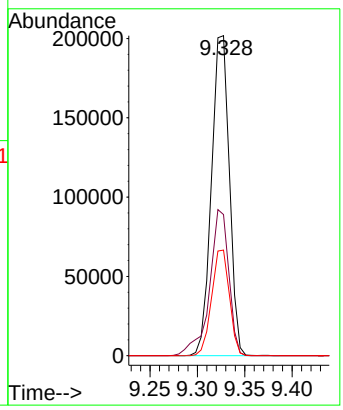


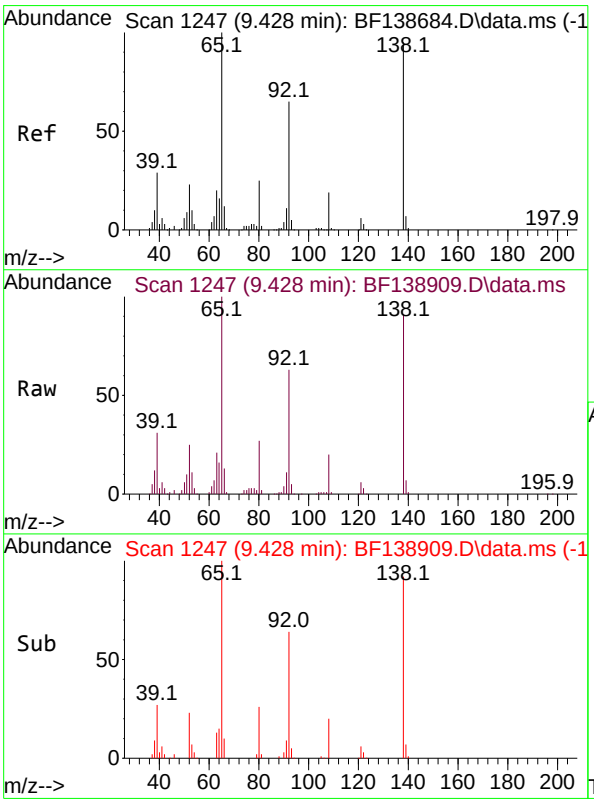
#47
2-Chloronaphthalene
Concen: 55.043 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:162 Resp: 265124

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.4	53.2
164	33.0	25.6	38.4

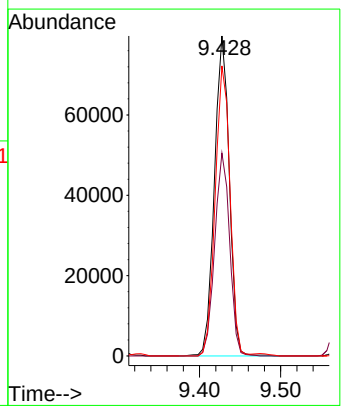


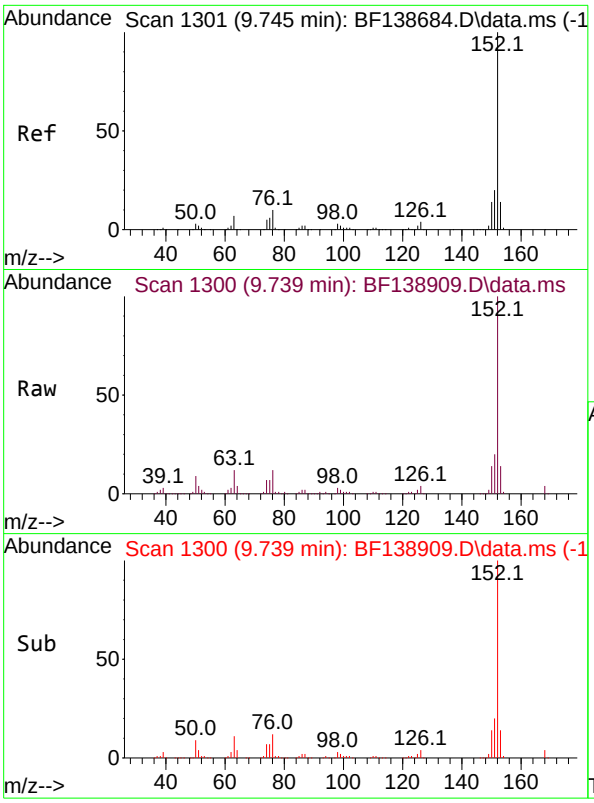


#48
2-Nitroaniline
Concen: 62.193 ng
RT: 9.428 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 65 Resp: 101555

Ion	Ratio	Lower	Upper
65	100		
92	63.4	52.0	78.0
138	90.7	76.2	114.4



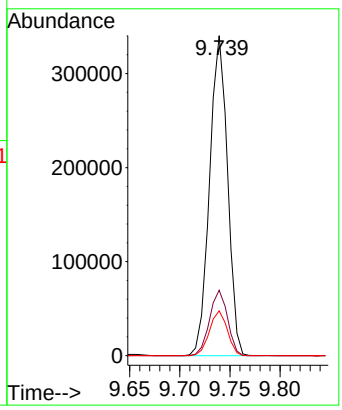


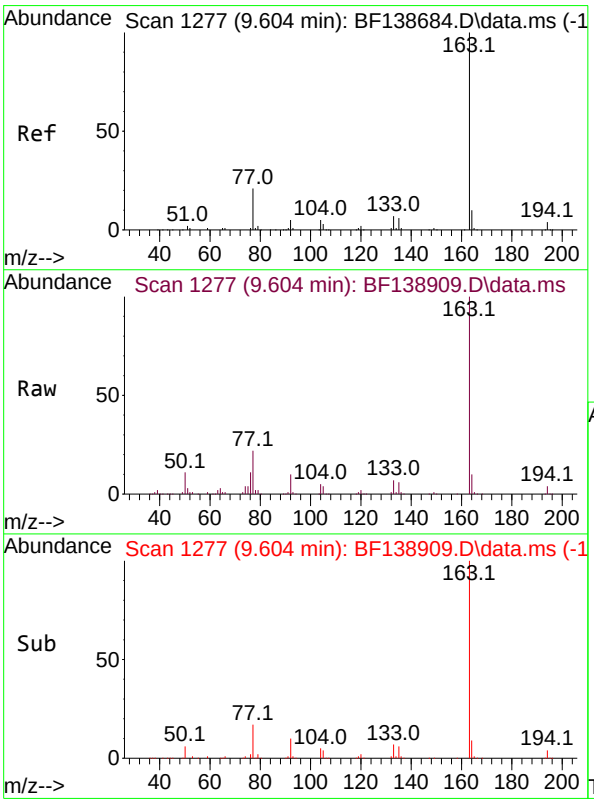
#49
Acenaphthylene
Concen: 62.109 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:152 Resp: 424290

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	14.0	11.0	16.4

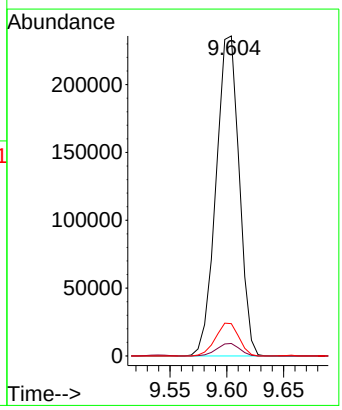


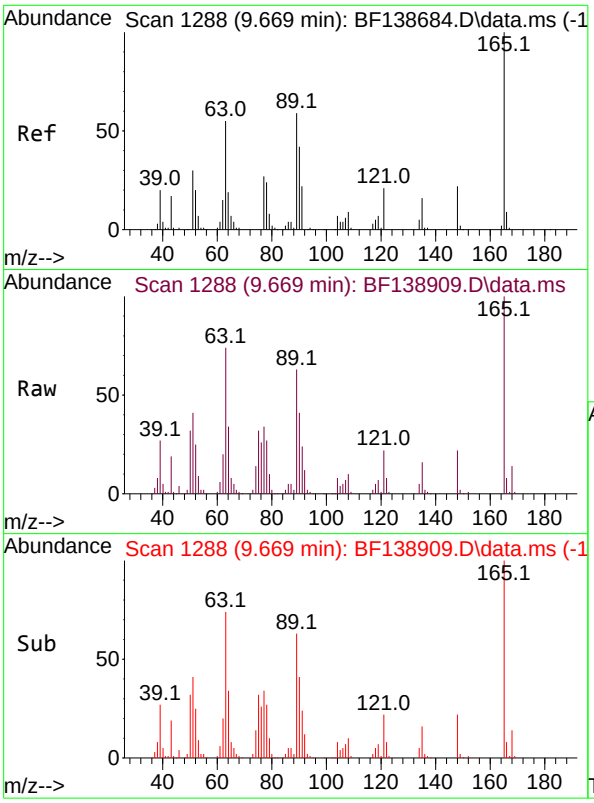


#50
Dimethylphthalate
Concen: 63.229 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:163 Resp: 334319

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.1	7.8	11.8



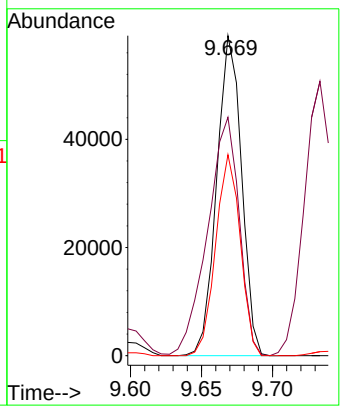


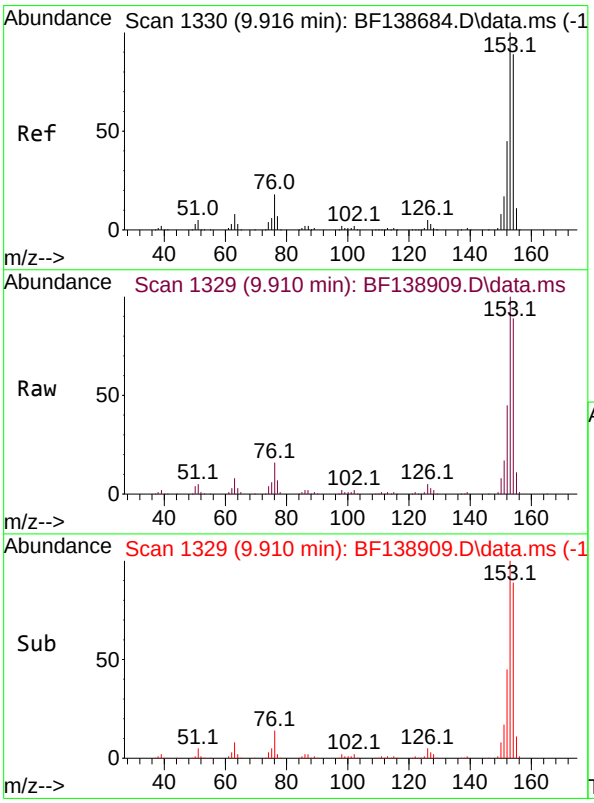
#51
2,6-Dinitrotoluene
Concen: 60.264 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:165 Resp: 71911

Ion	Ratio	Lower	Upper
165	100		
63	74.5	52.0	78.0
89	62.8	47.0	70.6

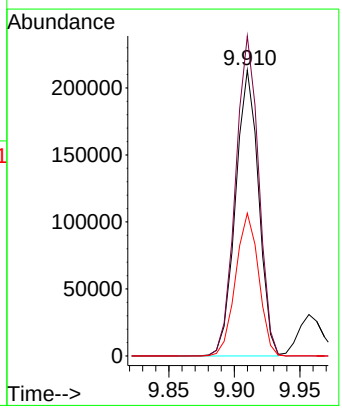


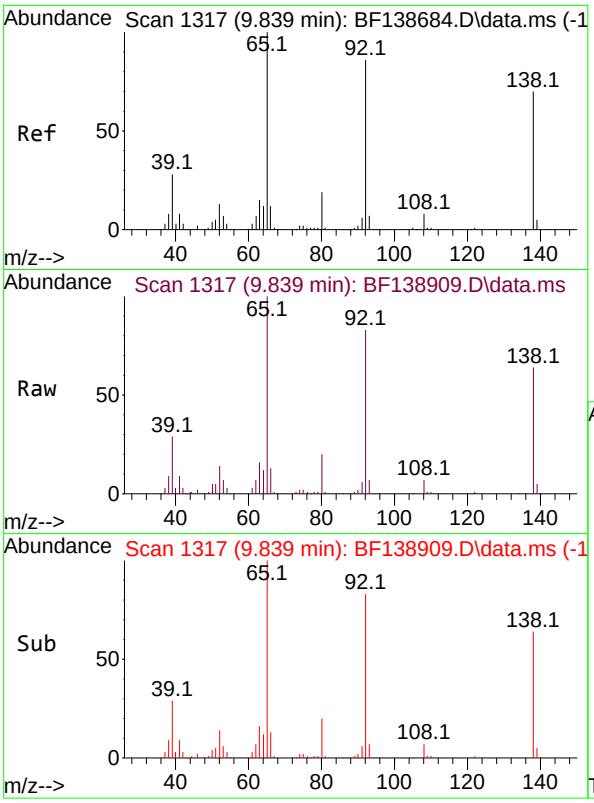


#52
Acenaphthene
Concen: 57.021 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:154 Resp: 261852

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.9	134.9
152	49.9	40.6	60.8



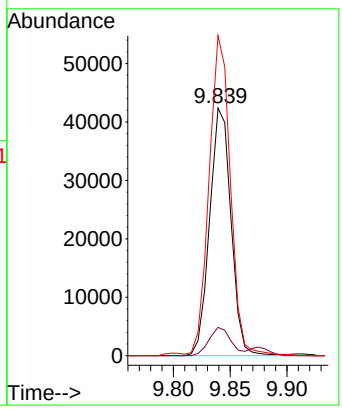


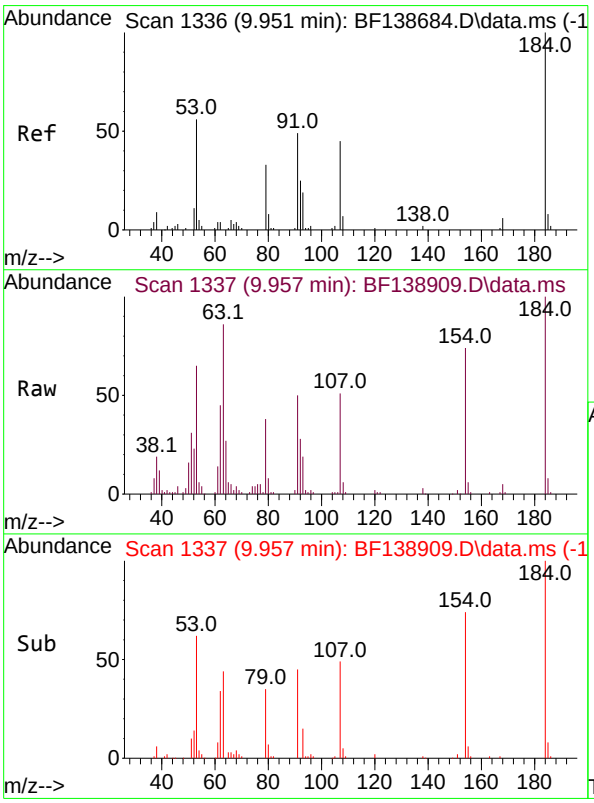
#53
3-Nitroaniline
Concen: 44.935 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:138 Resp: 55431

Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.1	13.7
92	129.3	98.7	148.1

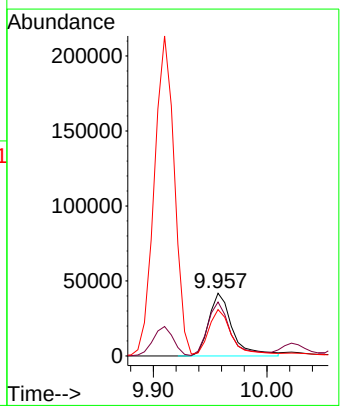


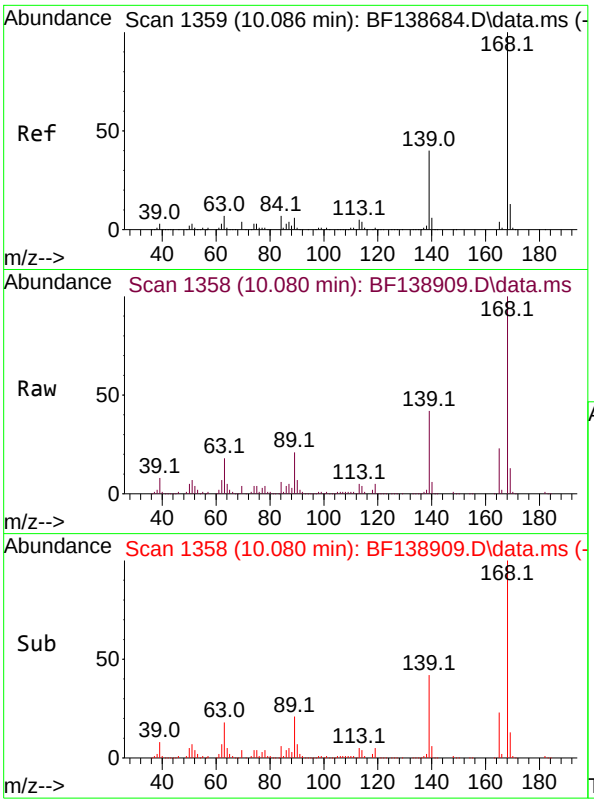


#54
2,4-Dinitrophenol
Concen: 109.890 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:184 Resp: 60363

Ion	Ratio	Lower	Upper
184	100		
63	86.1	57.5	86.3
154	74.1	51.7	77.5



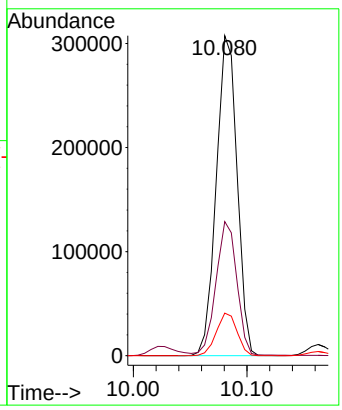


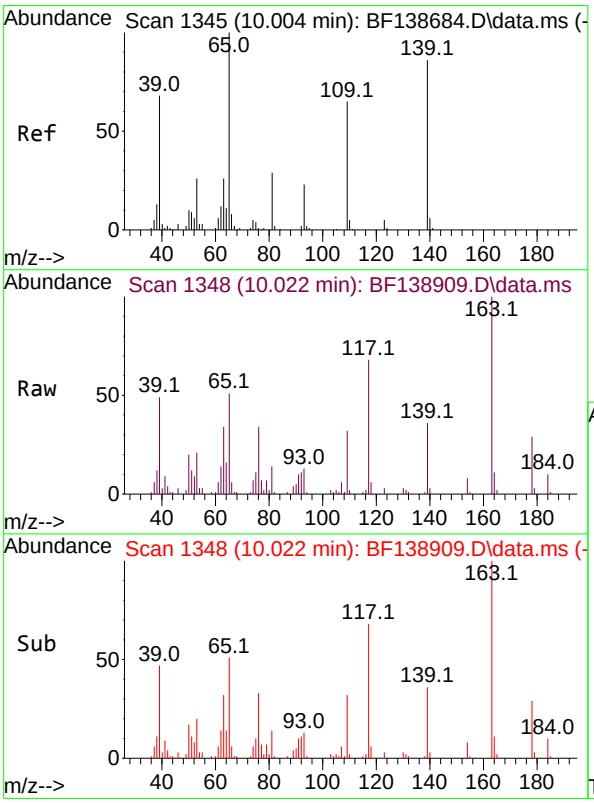
#55
Dibenzofuran
Concen: 60.433 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:168 Resp: 391749

Ion	Ratio	Lower	Upper
168	100		
139	41.9	32.6	49.0
169	13.3	10.7	16.1

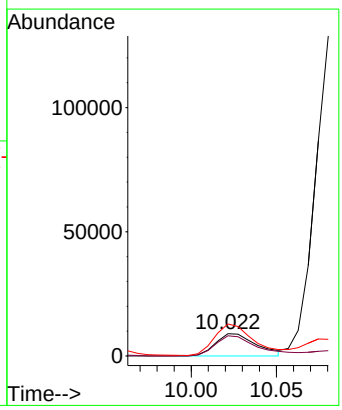


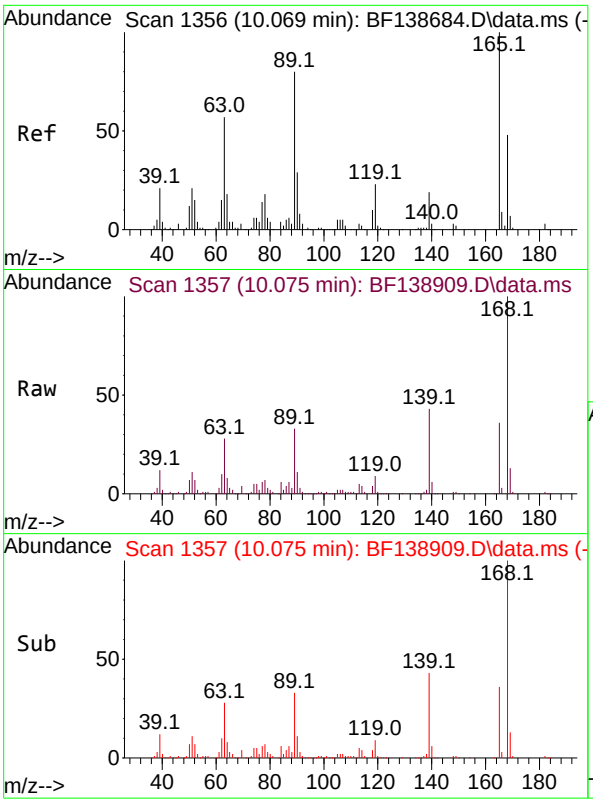


#56
4-Nitrophenol
Concen: 20.116 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:139 Resp: 14922

Ion	Ratio	Lower	Upper
139	100		
109	90.3	55.5	95.5
65	143.6	96.7	136.7#



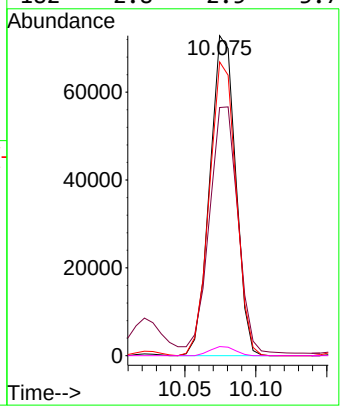


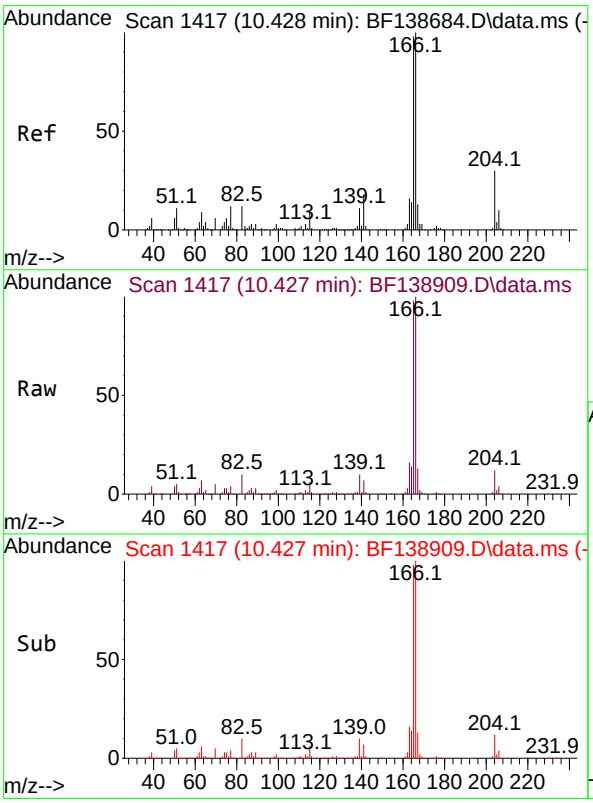
#57
2,4-Dinitrotoluene
Concen: 60.451 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:165 Resp: 92033

Ion	Ratio	Lower	Upper
165	100		
63	77.5	46.3	69.5#
89	91.8	64.2	96.4
182	2.8	2.5	3.7

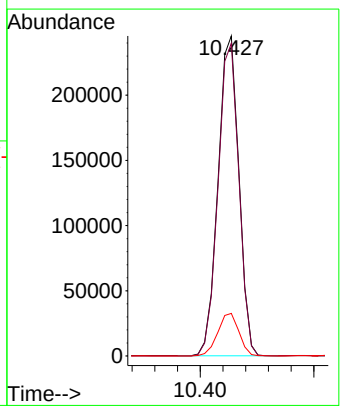


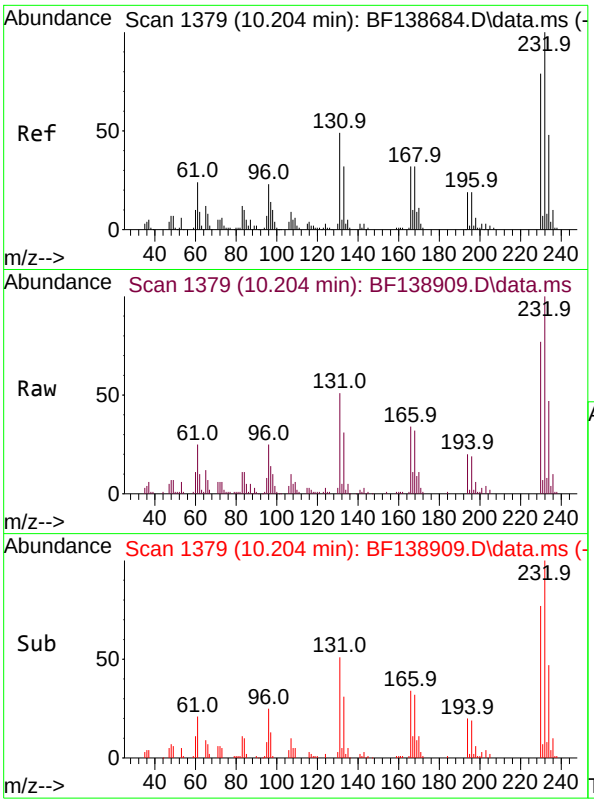


#58
Fluorene
Concen: 60.551 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:166 Resp: 312575

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	13.3	10.6	16.0



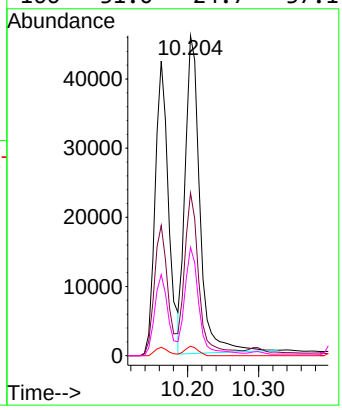


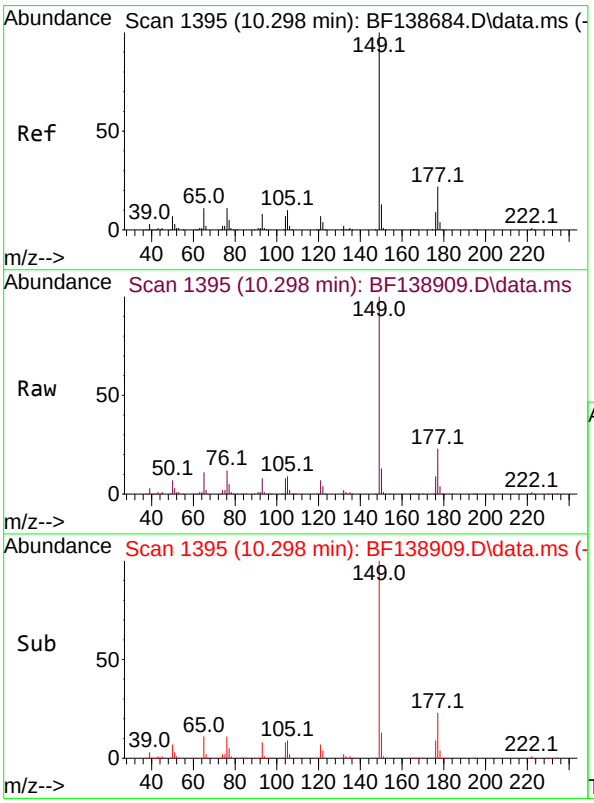
#59
2,3,4,6-Tetrachlorophenol
Concen: 56.529 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:232 Resp: 66170

Ion	Ratio	Lower	Upper
232	100		
131	50.5	37.0	55.4
130	2.6	2.0	3.0
166	31.0	24.7	37.1

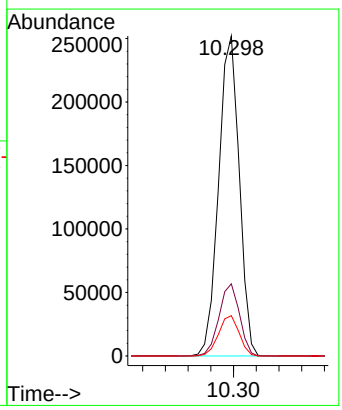


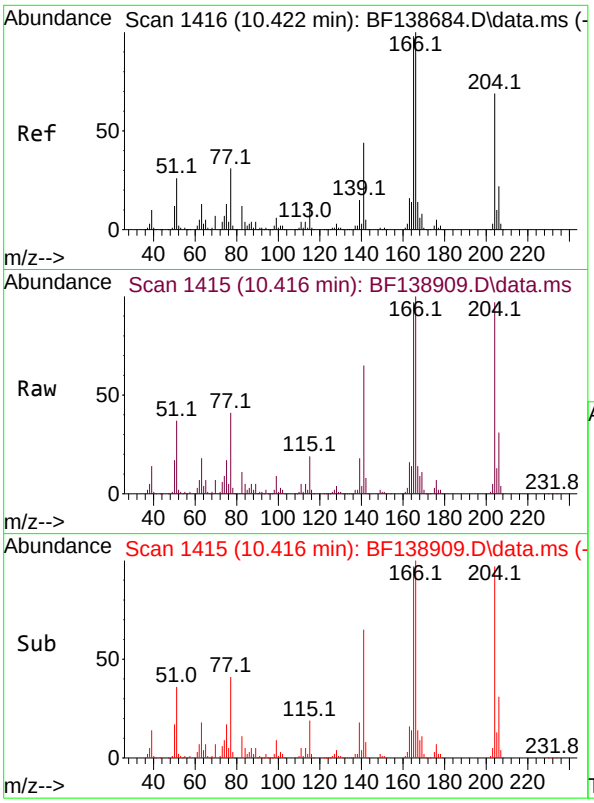


#60
Diethylphthalate
Concen: 63.339 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:149 Resp: 317546

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.8
150	12.6	10.1	15.1



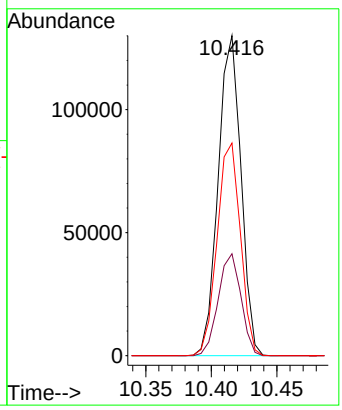


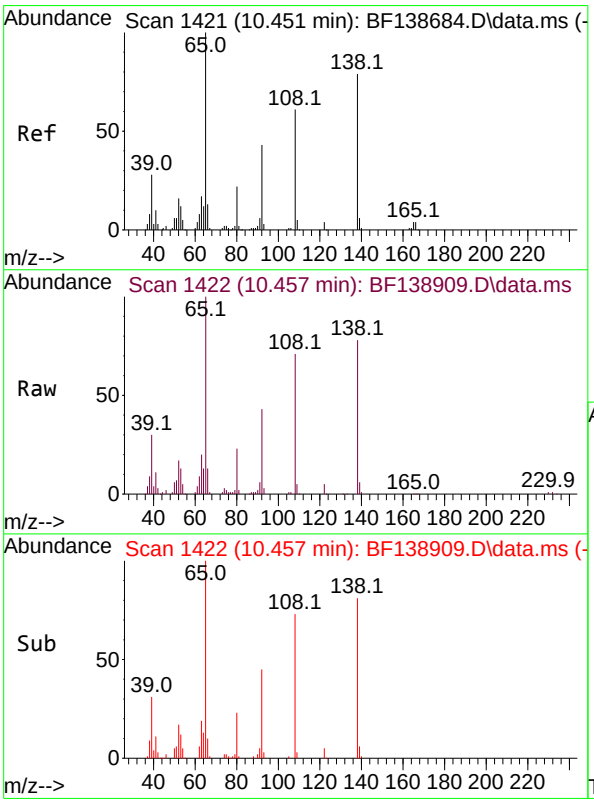
#61
4-Chlorophenyl-phenylether
Concen: 61.888 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:204 Resp: 157125

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.1	39.1
141	66.4	51.4	77.0

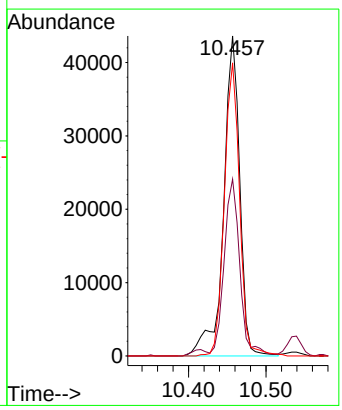


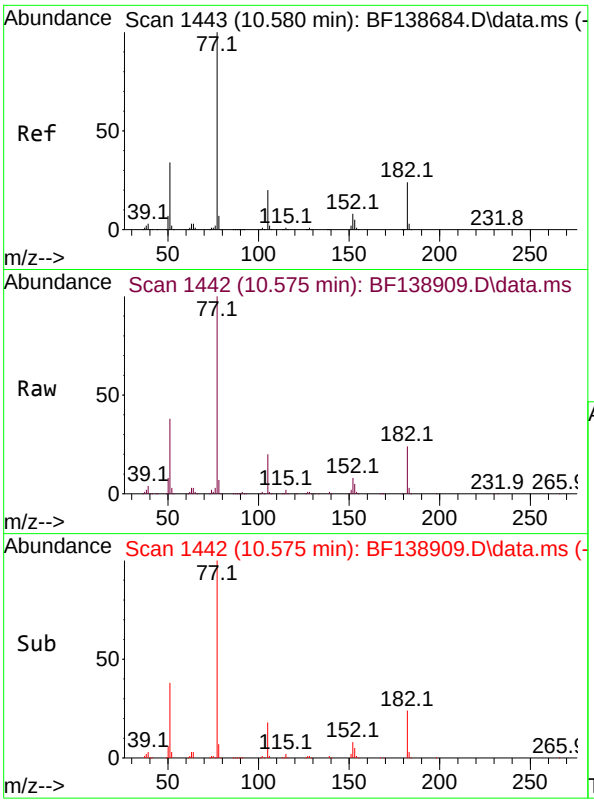


#62
4-Nitroaniline
Concen: 54.051 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:138 Resp: 63363

Ion	Ratio	Lower	Upper
138	100		
92	55.3	34.2	74.2
108	91.6	56.2	96.2



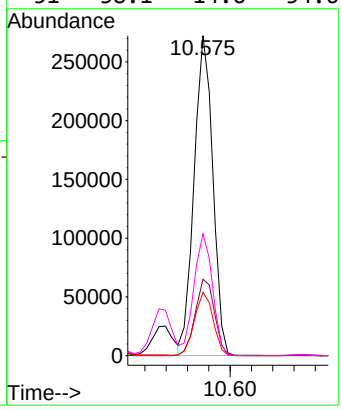


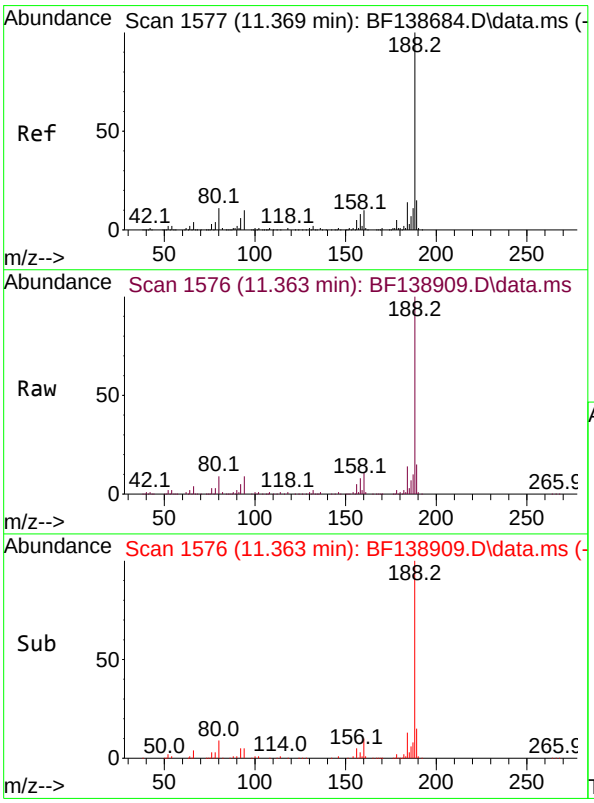
#63
Azobenzene
Concen: 59.947 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion: 77 Resp: 333325

Ion	Ratio	Lower	Upper
77	100		
182	23.9	3.4	43.4
105	19.7	0.2	40.2
51	38.1	14.6	54.6

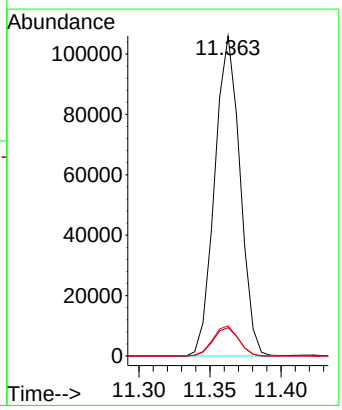


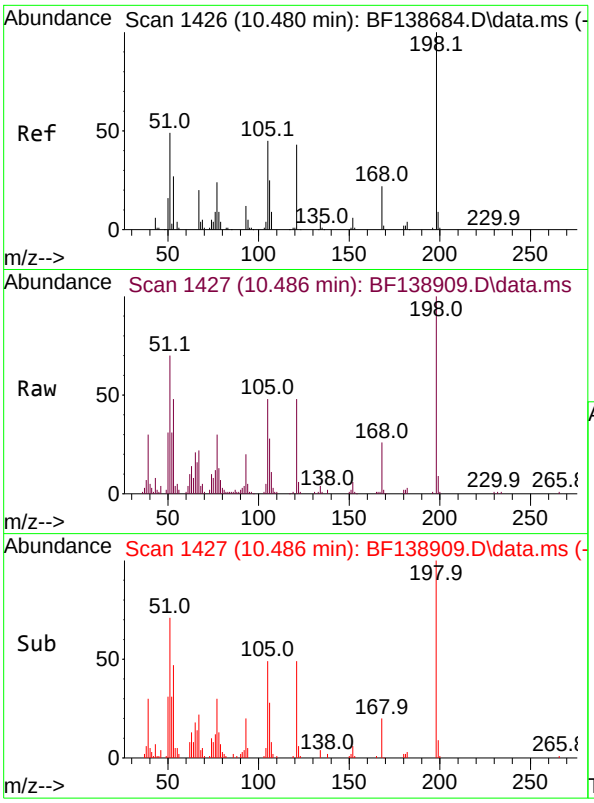


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:188 Resp: 131267

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



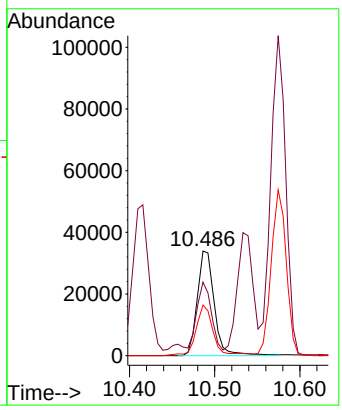


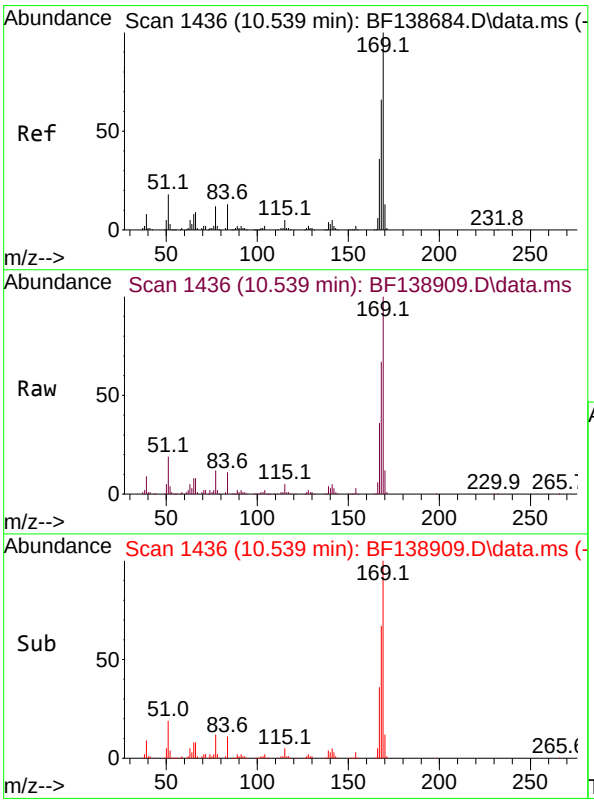
#65
4,6-Dinitro-2-methylphenol
Concen: 58.943 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:198 Resp: 47204

Ion	Ratio	Lower	Upper
198	100		
51	70.2	39.9	79.9
105	48.3	26.1	66.1

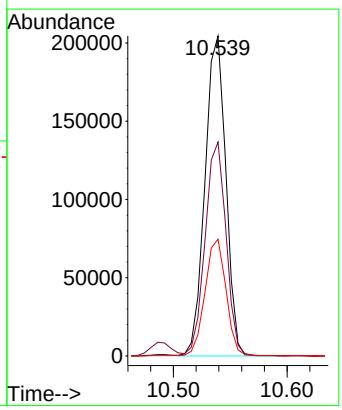


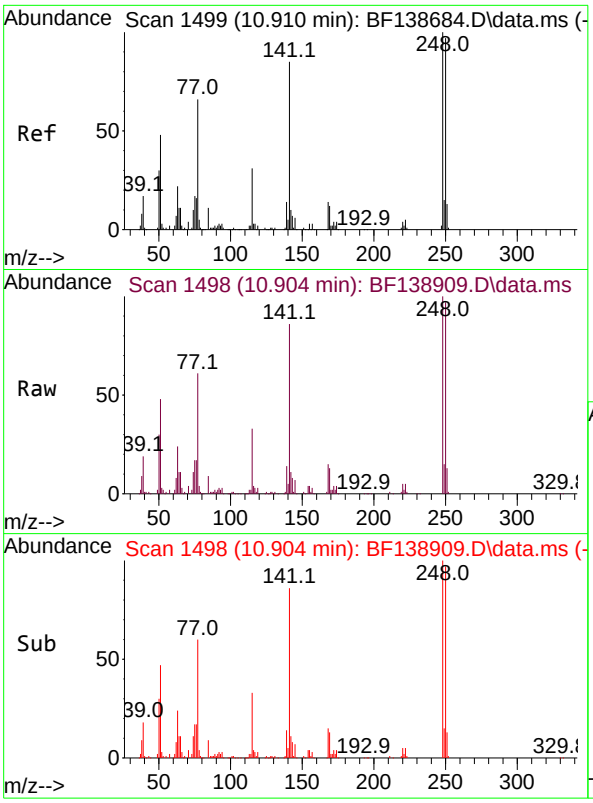


#66
n-Nitrosodiphenylamine
Concen: 63.541 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:169 Resp: 260717

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.6
167	36.5	29.0	43.6



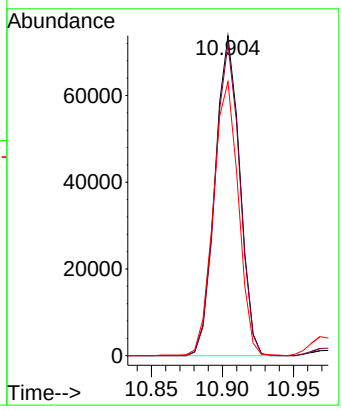


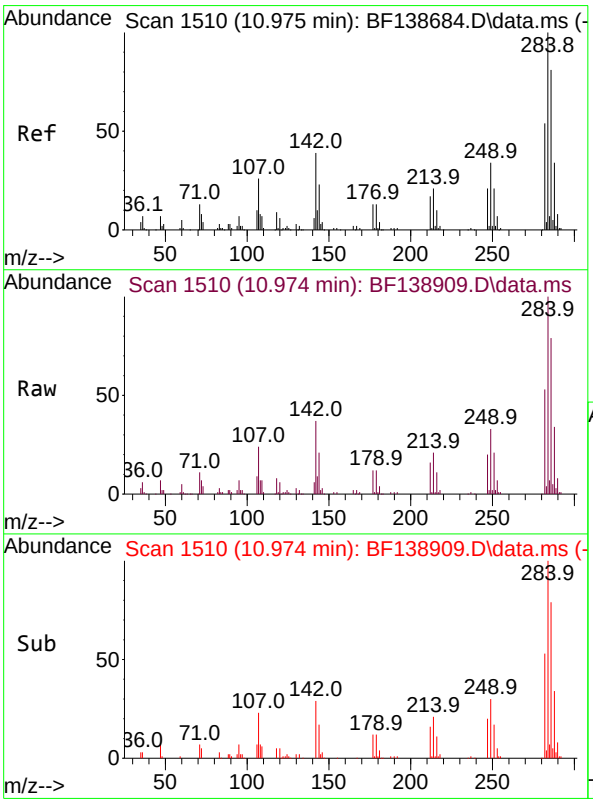
#67
4-Bromophenyl-phenylether
Concen: 62.624 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:248 Resp: 89002

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.7	116.5
141	85.6	68.0	102.0

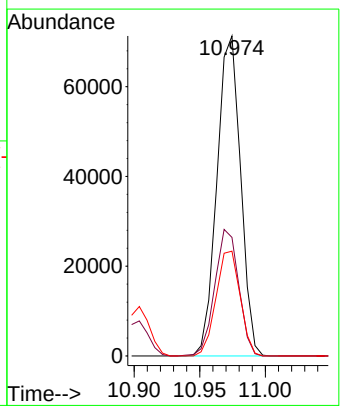


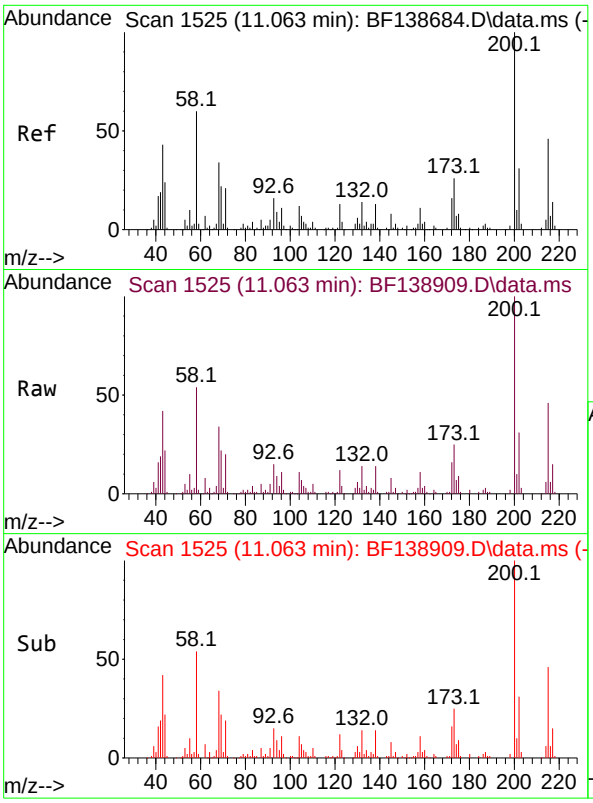


#68
Hexachlorobenzene
Concen: 60.919 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:284 Resp: 89394

Ion	Ratio	Lower	Upper
284	100		
142	37.1	31.3	46.9
249	32.8	27.2	40.8



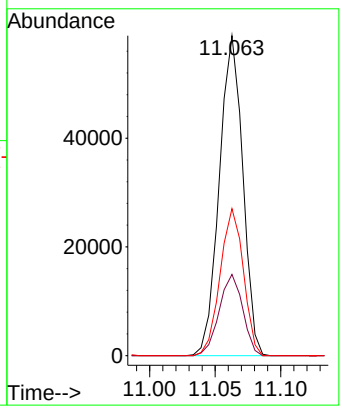


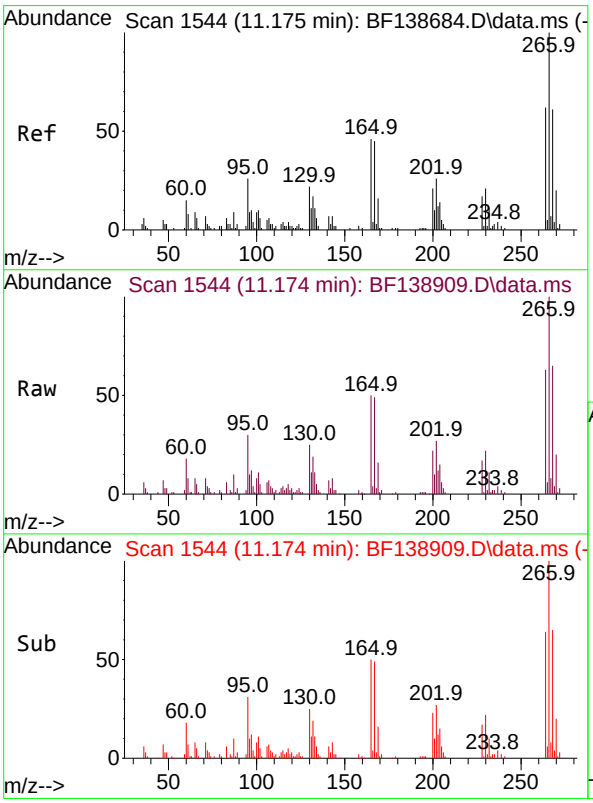
#69
Atrazine
Concen: 69.081 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:200 Resp: 73130

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.0	46.0
215	46.0	26.1	66.1

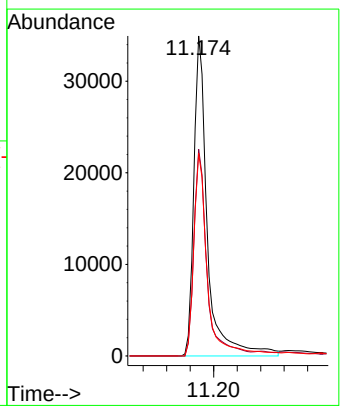


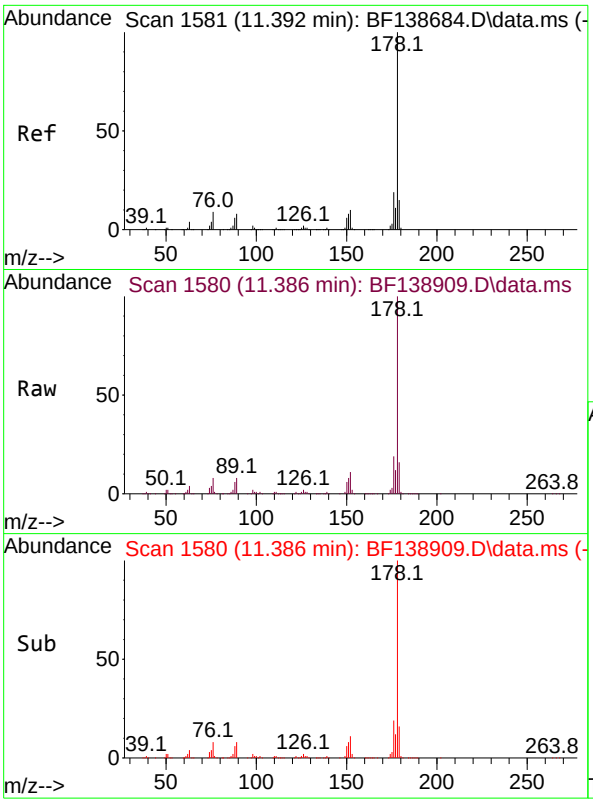


#70
Pentachlorophenol
Concen: 85.000 ng
RT: 11.174 min Scan# 1544
Delta R.T. -0.001 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:266 Resp: 56221

Ion	Ratio	Lower	Upper
266	100		
268	64.6	49.2	73.8
264	63.3	49.8	74.6



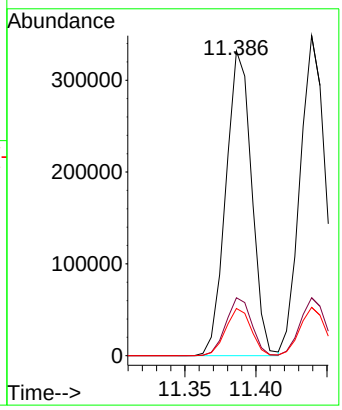


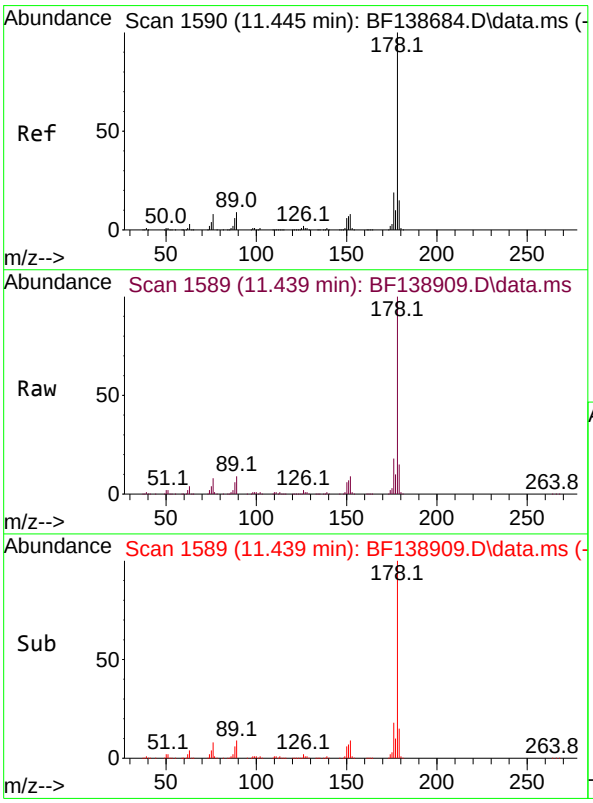
#71
Phenanthrene
Concen: 61.977 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:178 Resp: 418918

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.5	12.2	18.2

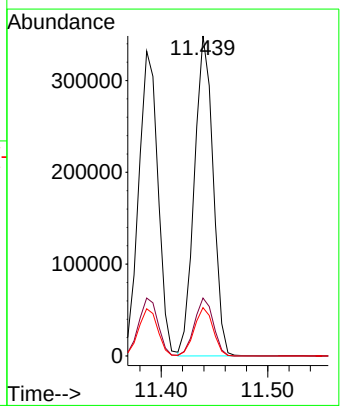


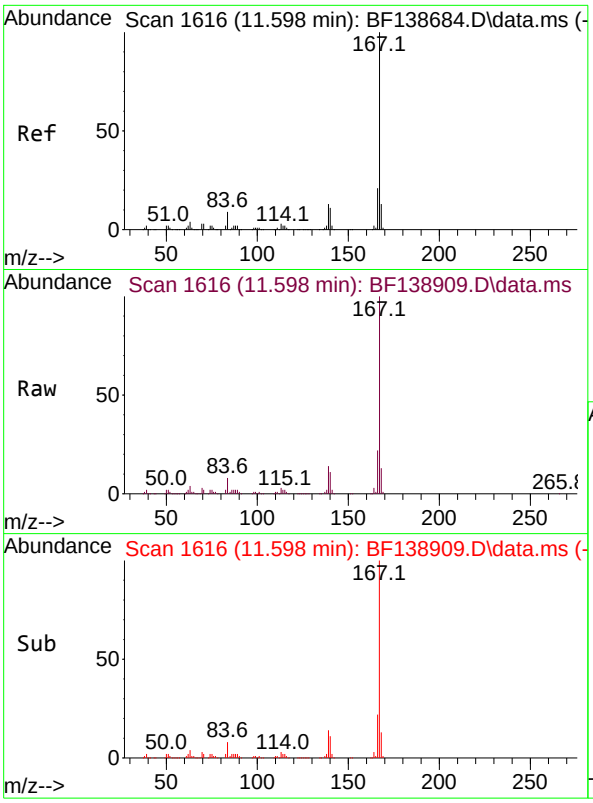


#72
Anthracene
Concen: 64.178 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:178 Resp: 427343

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.1	12.4	18.6



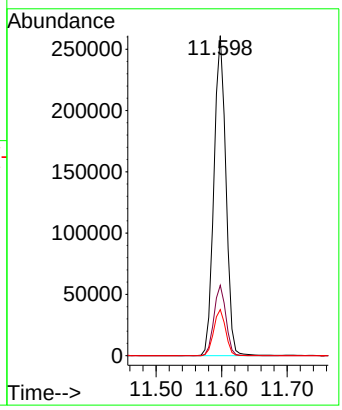


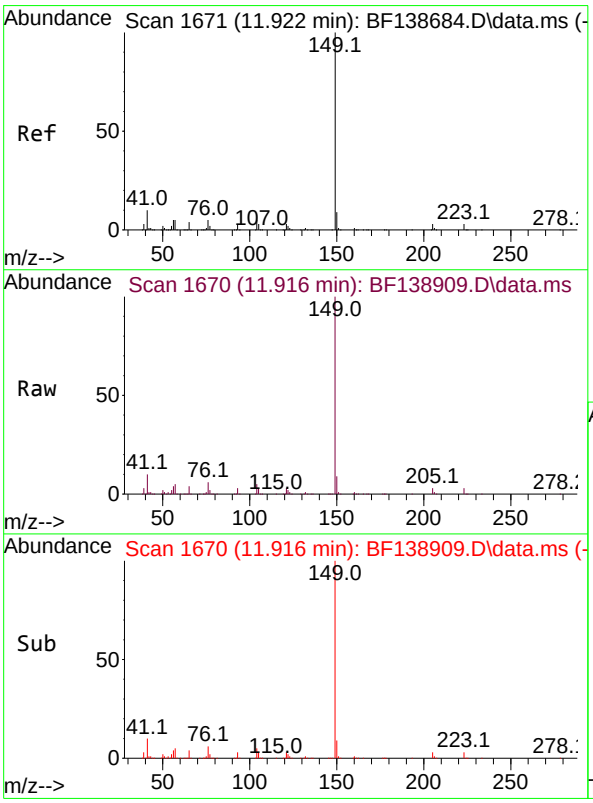
#73
Carbazole
Concen: 57.495 ng
RT: 11.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:167 Resp: 330296

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	14.4	10.6	16.0

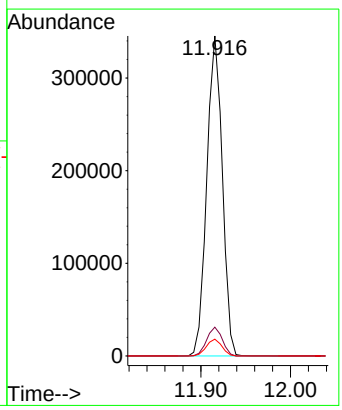


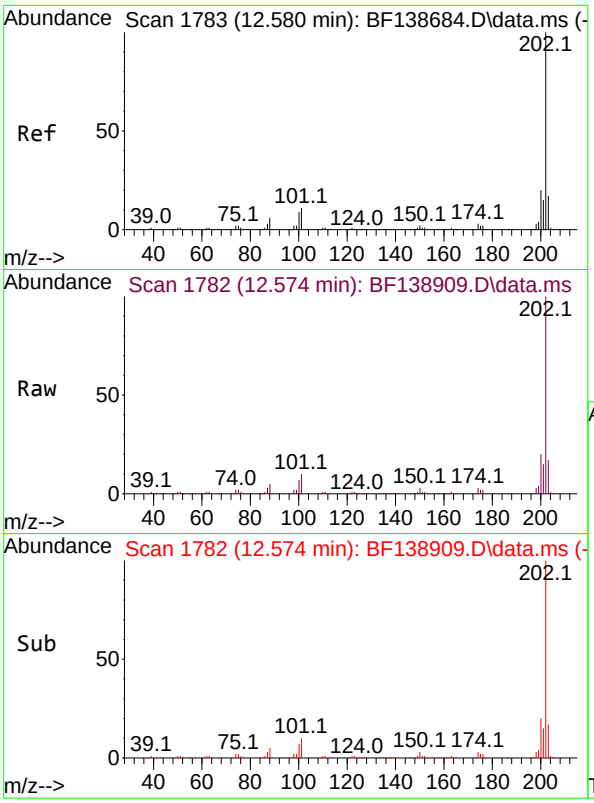


#74
Di-n-butylphthalate
Concen: 64.230 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:149 Resp: 414803

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.3	4.1	6.1



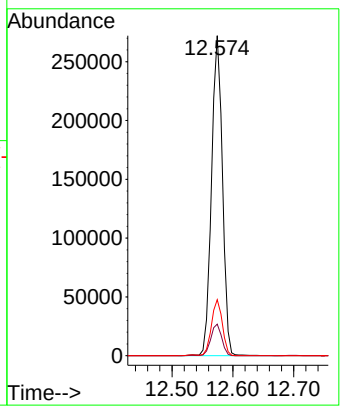


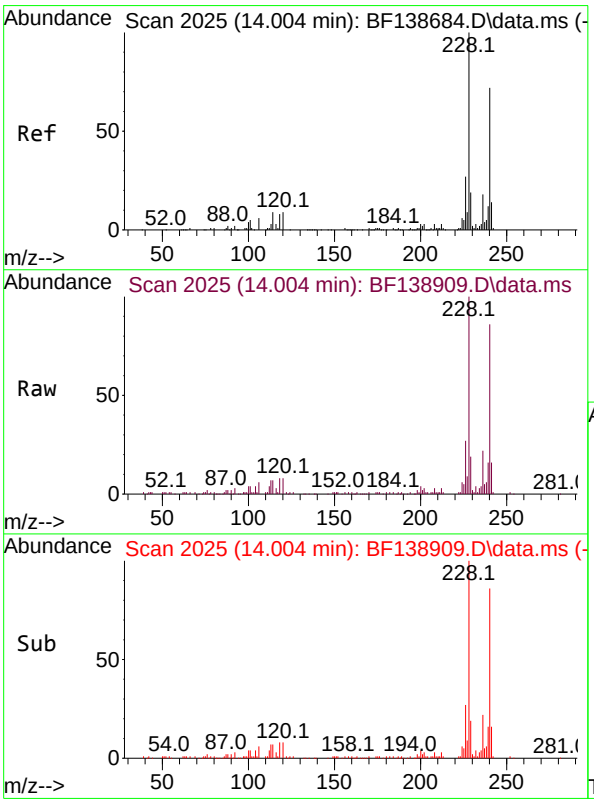
#75
Fluoranthene
Concen: 53.686 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:202 Resp: 338766

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.2
203	17.5	0.0	37.3

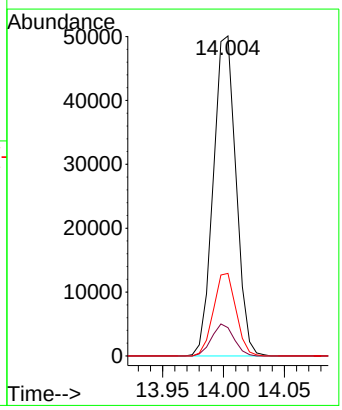


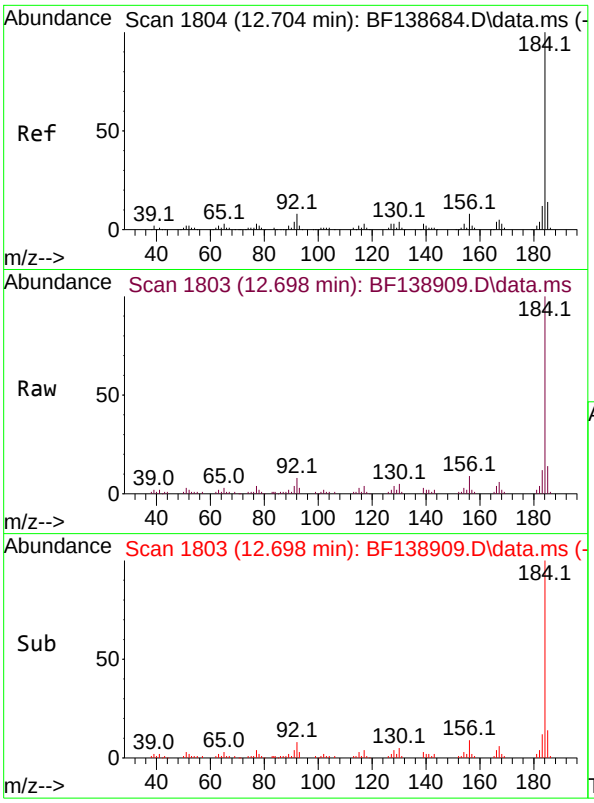


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:240 Resp: 65057

Ion	Ratio	Lower	Upper
240	100		
120	8.9	10.2	15.4#
236	25.8	19.8	29.8



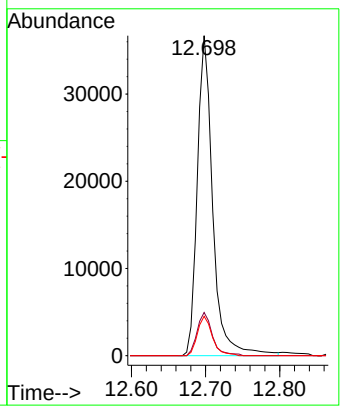


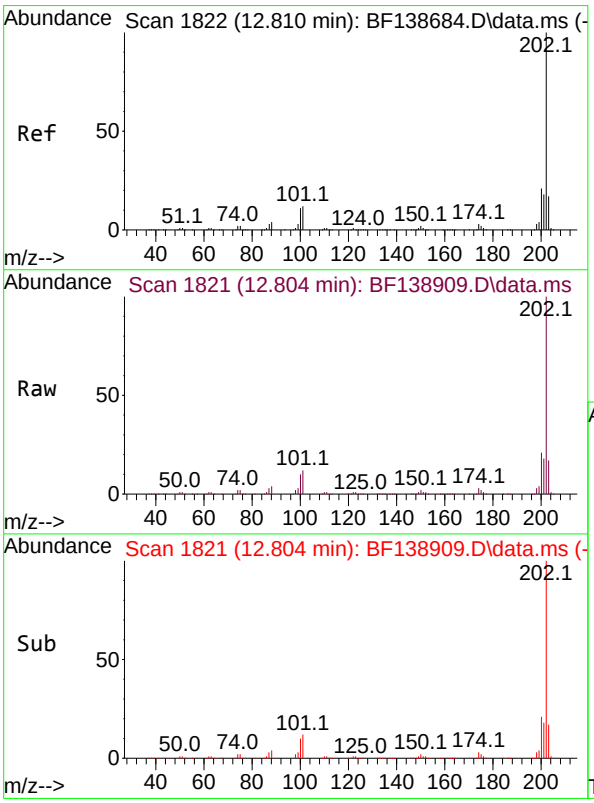
#77
Benzidine
Concen: 34.151 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:184 Resp: 53140

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.1	16.7
183	12.3	9.6	14.4

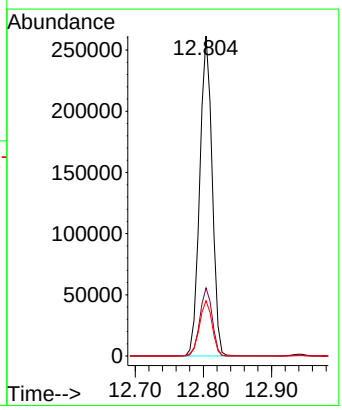


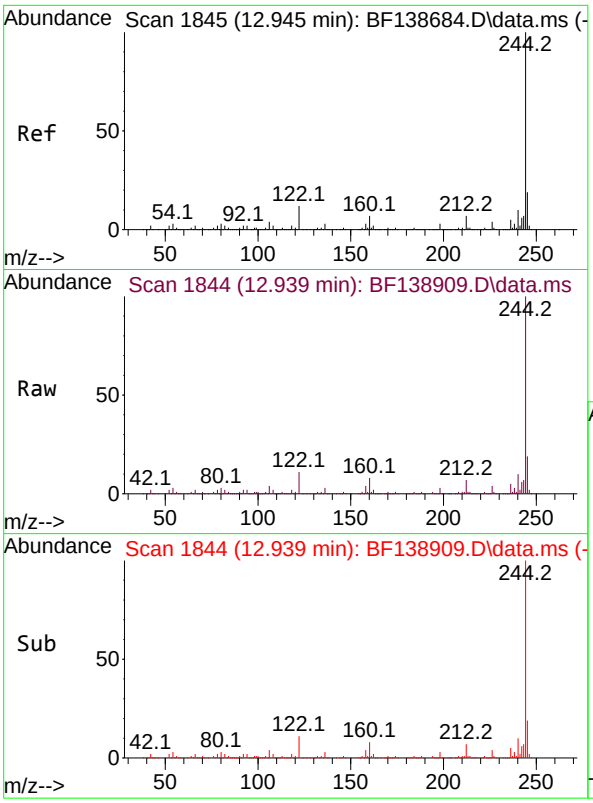


#78
Pyrene
Concen: 53.969 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:202 Resp: 330576

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.3	13.8	20.6



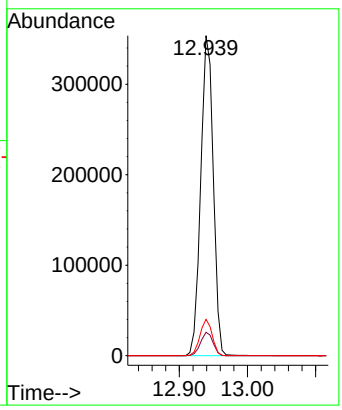


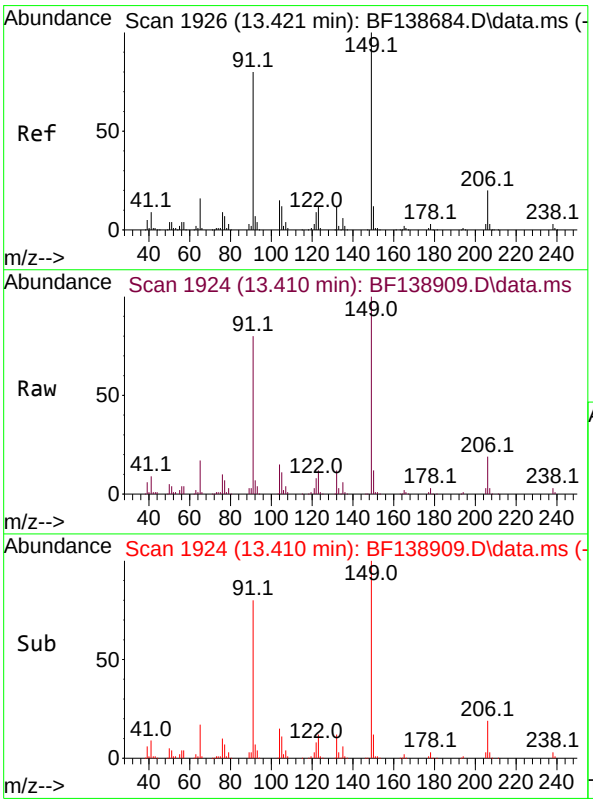
#79
Terphenyl-d14
Concen: 116.447 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:244 Resp: 452479

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	11.3	9.6	14.4

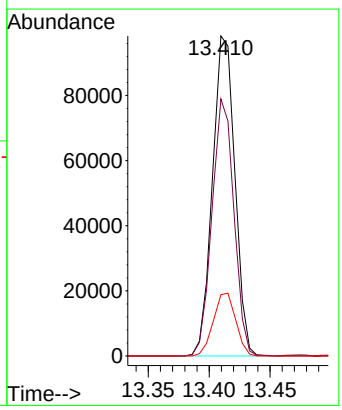


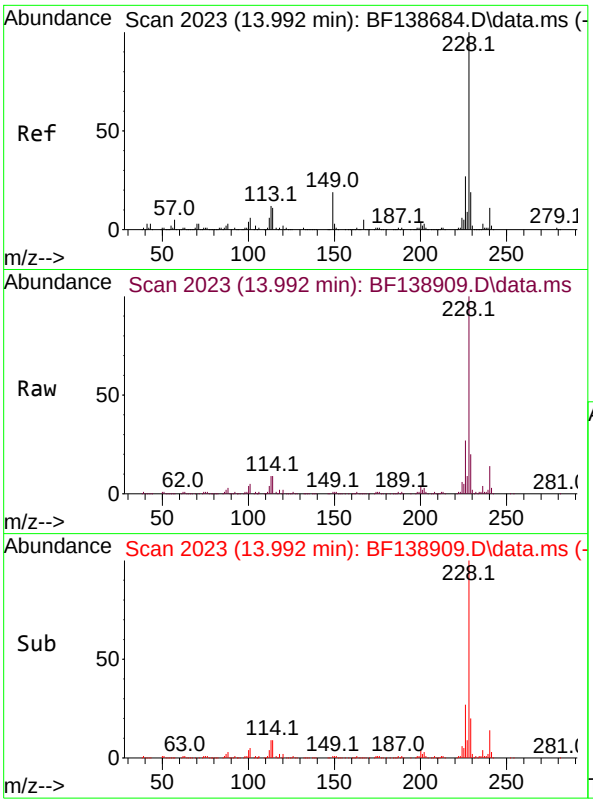


#80
Butylbenzylphthalate
Concen: 64.342 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:149 Resp: 126206

Ion	Ratio	Lower	Upper
149	100		
91	80.3	63.7	95.5
206	19.2	16.2	24.2



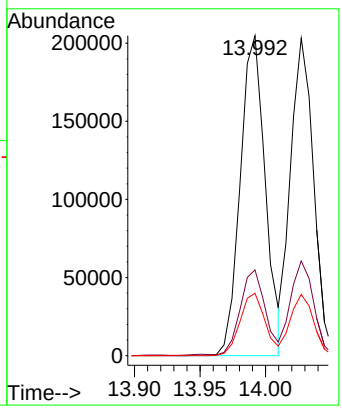


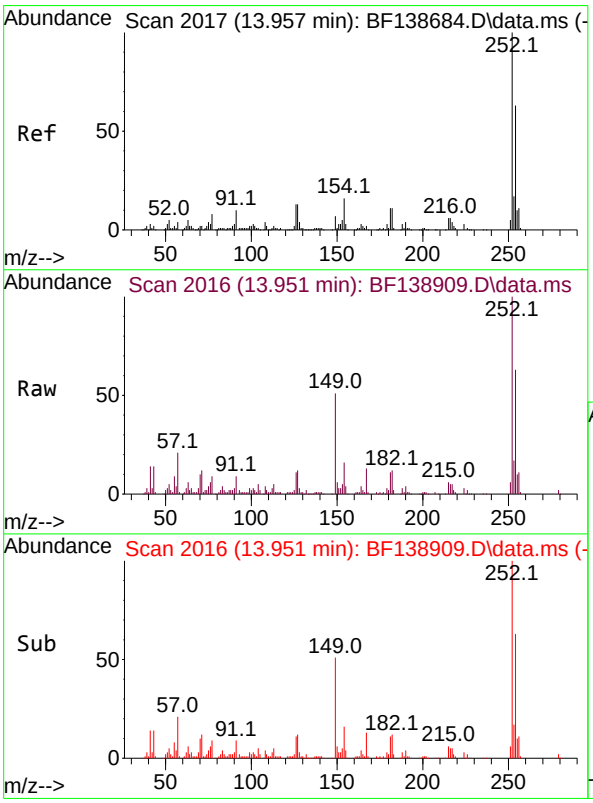
#81
Benzo(a)anthracene
Concen: 60.771 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:228 Resp: 272253

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.1	33.1
229	19.5	15.4	23.0

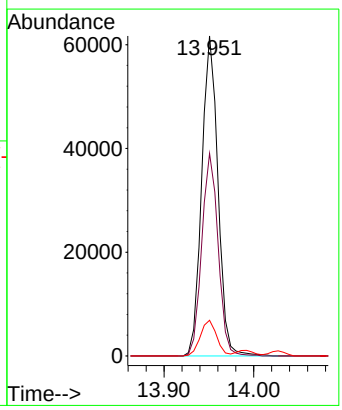


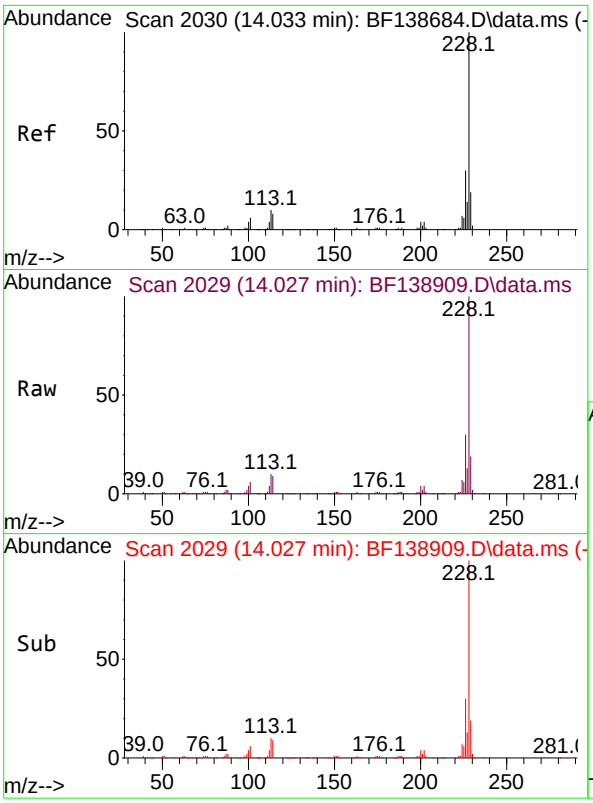


#82
3,3'-Dichlorobenzidine
Concen: 67.651 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:252 Resp: 77558

Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.8	76.2
126	11.2	10.2	15.2



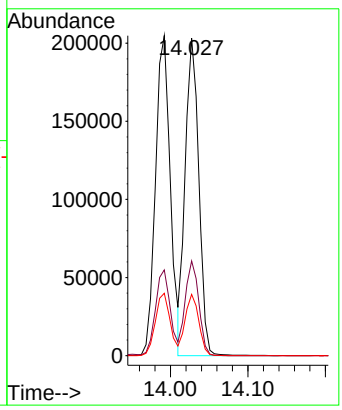


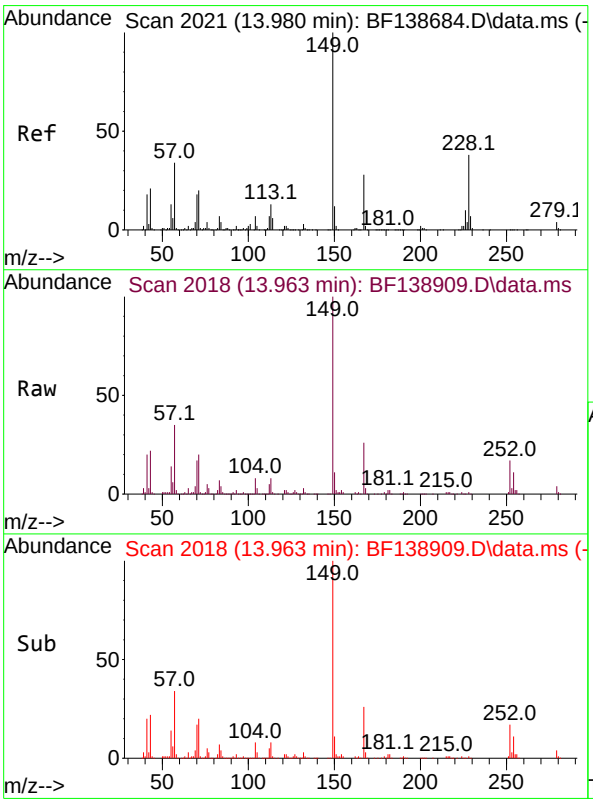
#83
Chrysene
Concen: 61.521 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:228 Resp: 248656

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	19.3	15.0	22.6

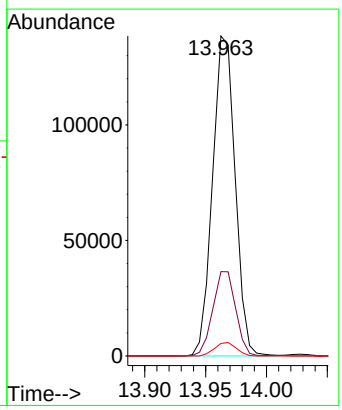


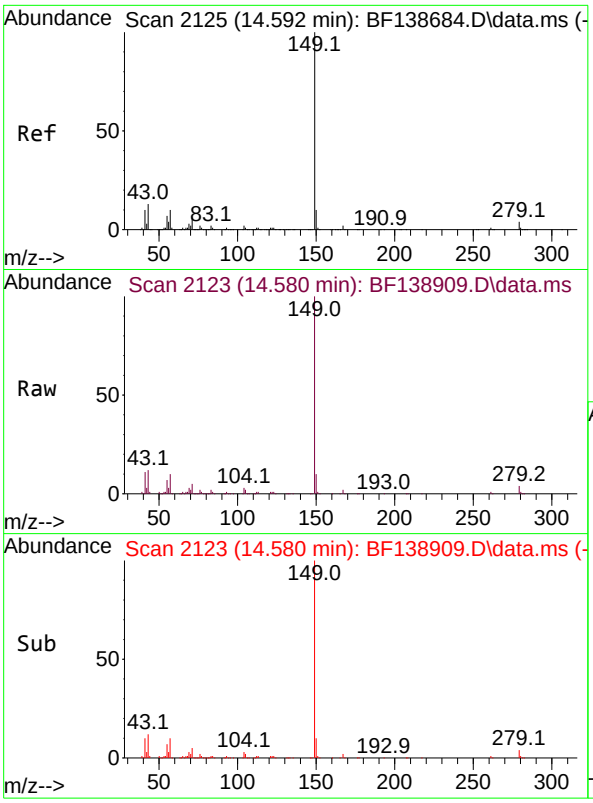


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.340 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:149 Resp: 179058

Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.2	33.4
279	3.9	3.4	5.0



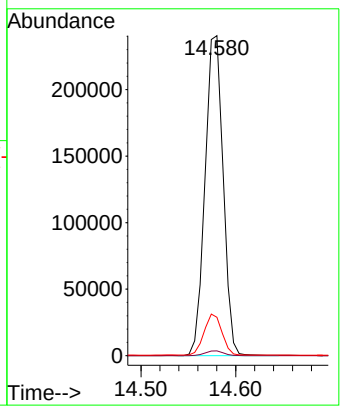


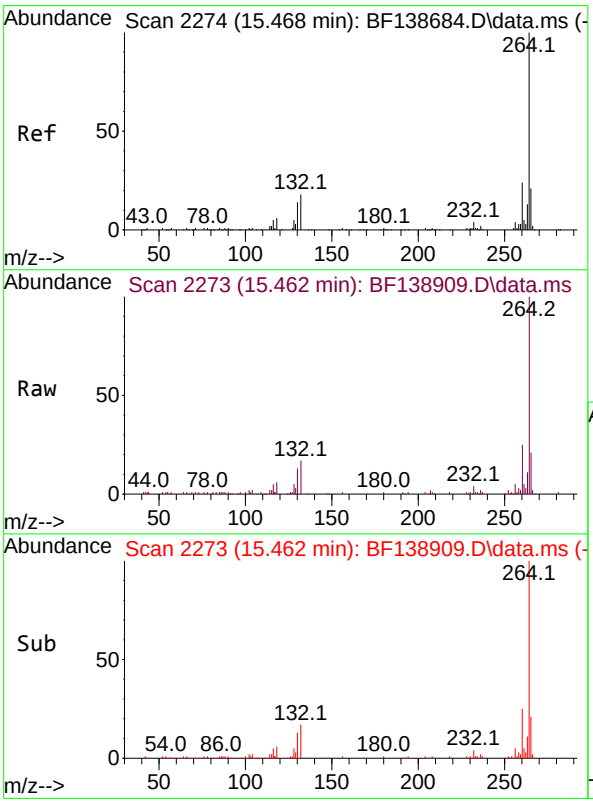
#85
Di-n-octyl phthalate
Concen: 60.041 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:149 Resp: 319070

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

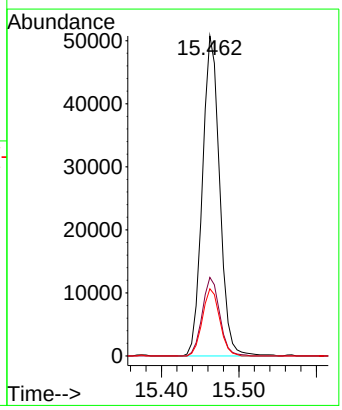


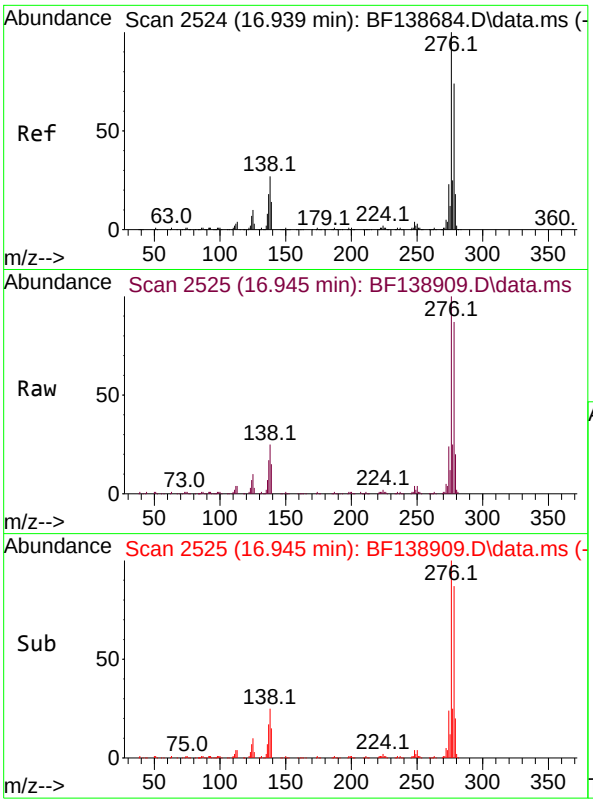


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:264 Resp: 78552

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	21.0	17.0	25.6



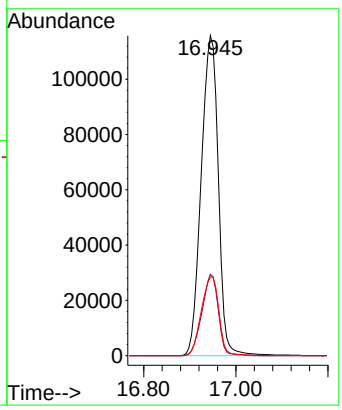


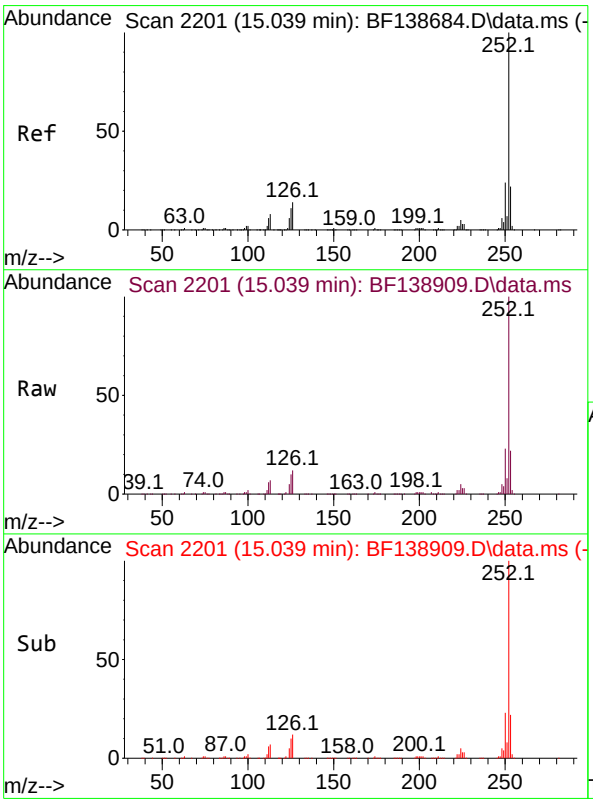
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.252 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:276 Resp: 299773

Ion	Ratio	Lower	Upper
276	100		
138	24.3	21.8	32.8
277	25.2	20.6	30.8

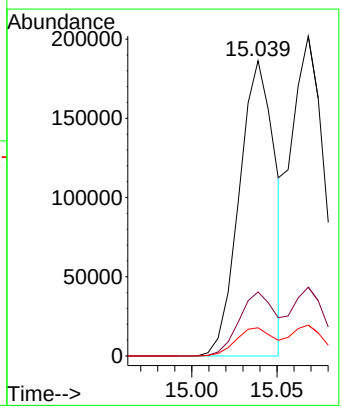


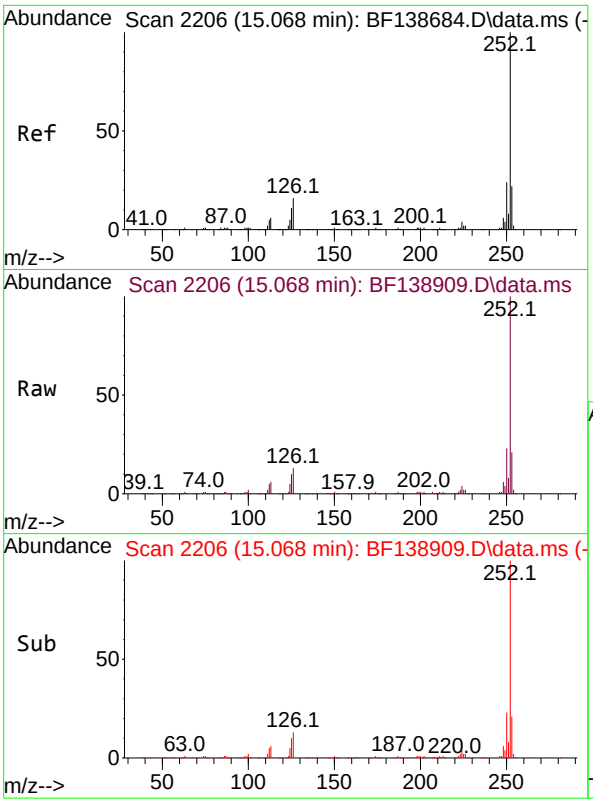


#88
Benzo(b)fluoranthene
Concen: 55.391 ng
RT: 15.039 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:252 Resp: 269722

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.5	8.9	13.3



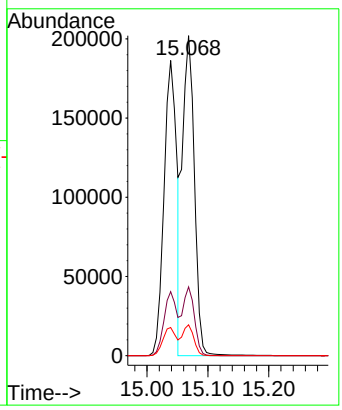


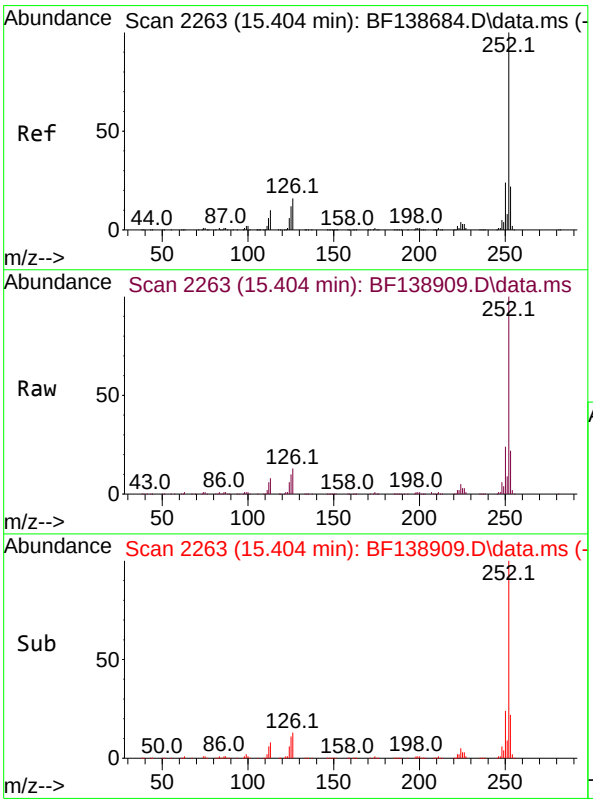
#89
Benzo(k)fluoranthene
Concen: 65.346 ng
RT: 15.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:252 Resp: 275502

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	9.6	8.6	13.0

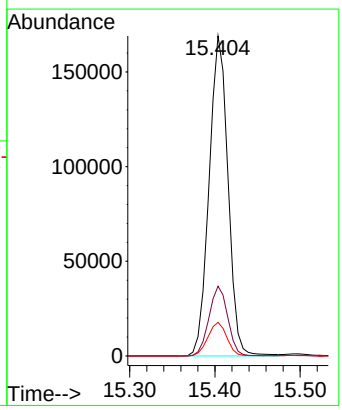


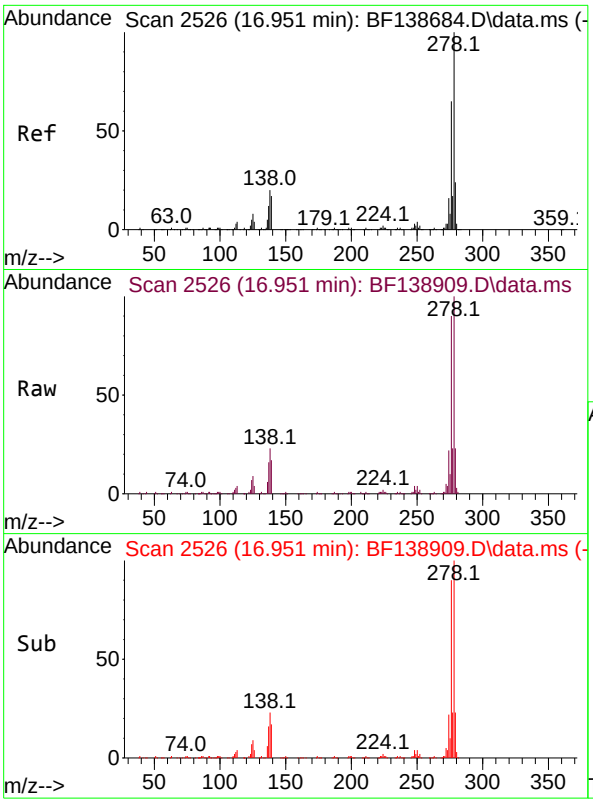


#90
Benzo(a)pyrene
Concen: 63.590 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:252 Resp: 260458

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	10.5	9.5	14.3



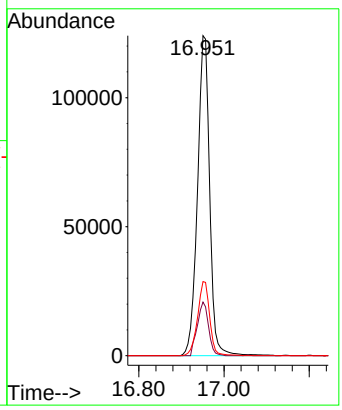


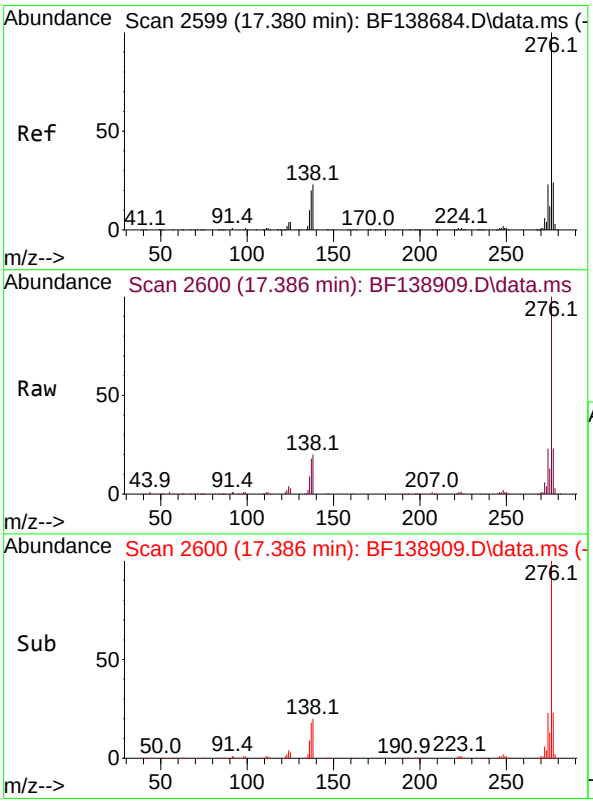
#91
Dibenzo(a,h)anthracene
Concen: 53.210 ng
RT: 16.951 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Tgt Ion:278 Resp: 245880

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.0	21.0
279	23.2	19.0	28.4

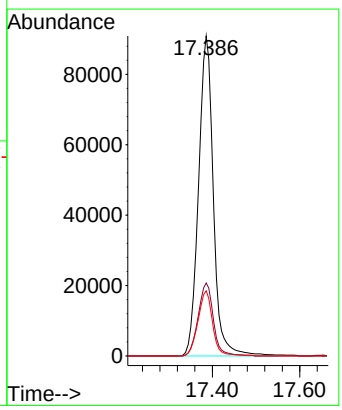




#92
Benzo(g,h,i)perylene
Concen: 44.816 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:276 Resp: 214902

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.0	28.4
138	20.3	18.5	27.7



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:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MSD	SDG No.:	P3429
Lab Sample ID:	P3415-05MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138910.D	1	08/01/24 08:20	08/10/24 15:19	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	17.9		1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.30	J	4.20	10.4	ug/L
95-48-7	2-Methylphenol	40.6		1.20	5.20	ug/L
65794-96-9	3+4-Methylphenols	38.4		1.20	10.4	ug/L
67-72-1	Hexachloroethane	44.7		1.10	5.20	ug/L
98-95-3	Nitrobenzene	61.4		1.30	5.20	ug/L
91-20-3	Naphthalene	55.9		1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	49.2		1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	62.5		1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	60.7		0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	58.3		1.10	5.20	ug/L
208-96-8	Acenaphthylene	68.1		1.10	5.20	ug/L
83-32-9	Acenaphthene	61.4		0.84	5.20	ug/L
132-64-9	Dibenzofuran	65.7		0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	68.5		1.60	5.20	ug/L
86-73-7	Fluorene	66.1		1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	65.7		1.20	5.20	ug/L
87-86-5	Pentachlorophenol	91.0	E	1.90	10.4	ug/L
85-01-8	Phenanthrene	67.4		0.93	5.20	ug/L
120-12-7	Anthracene	69.1		1.10	5.20	ug/L
86-74-8	Carbazole	64.4		1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	71.3		1.50	5.20	ug/L
206-44-0	Fluoranthene	59.0		1.30	5.20	ug/L
129-00-0	Pyrene	60.7		1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	67.3		0.98	5.20	ug/L
218-01-9	Chrysene	69.0		0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	67.7		2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	60.9		1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	73.1		1.20	5.20	ug/L

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:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MSD	SDG No.:	P3429
Lab Sample ID:	P3415-05MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138910.D	1	08/01/24 08:20	08/10/24 15:19	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	69.2		1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	58.6		1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	58.3		1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	49.9		1.20	5.20	ug/L
123-91-1	1,4-Dioxane	19.2		1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	59.2		0.90	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.9		15 (10) - 110 (139)	44%	SPK: 150
13127-88-3	Phenol-d6	40.2		15 (10) - 110 (134)	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	117		30 (49) - 130 (133)	117%	SPK: 100
321-60-8	2-Fluorobiphenyl	114		30 (52) - 130 (132)	114%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172	*	15 (44) - 110 (137)	115%	SPK: 150
1718-51-0	Terphenyl-d14	127		30 (48) - 130 (125)	127%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34300	6.839			
1146-65-2	Naphthalene-d8	137000	8.122			
15067-26-2	Acenaphthene-d10	78400	9.875			
1517-22-2	Phenanthrene-d10	126000	11.363			
1719-03-5	Chrysene-d12	61800	14.004			
1520-96-3	Perylene-d12	75400	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\BF081024\
Data File : BF138910.D
Acq On : 10 Aug 2024 15:19
Operator : RC/JU
Sample : P3415-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Quant Time: Aug 12 01:15:24 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	34319	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	136930	20.000	ng		0.00
39) Acenaphthene-d10	9.875	164	78360	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	126223	20.000	ng		0.00
76) Chrysene-d12	14.004	240	61844	20.000	ng	#	0.00
86) Perylene-d12	15.462	264	75440	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	146609	65.944	ng		0.00
7) Phenol-d6	6.481	99	119931	40.179	ng		0.00
23) Nitrobenzene-d5	7.410	82	328961	117.457	ng		0.00
42) 2,4,6-Tribromophenol	10.669	330	110307	171.852	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	596395	114.355	ng		0.00
79) Terphenyl-d14	12.939	244	467324	126.516	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	17933	18.424	ng	#	96
3) Pyridine	3.393	79	40517	17.184	ng	#	93
4) n-Nitrosodimethylamine	3.334	42	35407	25.213	ng		88
6) Aniline	6.504	93	101978	38.309	ng		98
8) 2-Chlorophenol	6.634	128	113652	48.588	ng		96
9) Benzaldehyde	6.398	77	7361	4.114	ng		96
10) Phenol	6.498	94	53850	17.135	ng	#	28
11) bis(2-Chloroethyl)ether	6.575	93	134856	55.761	ng		99
12) 1,3-Dichlorobenzene	6.781	146	115351	44.055	ng		99
13) 1,4-Dichlorobenzene	6.857	146	120754	45.699	ng		99
14) 1,2-Dichlorobenzene	7.010	146	115518	46.778	ng		99
15) Benzyl Alcohol	6.987	79	86092	40.017	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	226127	54.330	ng		72
17) 2-Methylphenol	7.104	107	75356	39.014	ng	#	76
18) Hexachloroethane	7.345	117	42654	42.883	ng		97
19) n-Nitroso-di-n-propyla...	7.257	70	115206	63.903	ng		98
20) 3+4-Methylphenols	7.257	107	91451	36.902	ng	#	81
22) Acetophenone	7.251	105	200827	59.900	ng		96
24) Nitrobenzene	7.428	77	168103	58.985	ng		100
25) Isophorone	7.663	82	306004	63.987	ng		99
26) 2-Nitrophenol	7.739	139	74274	60.576	ng		91
27) 2,4-Dimethylphenol	7.781	122	88603	60.397	ng		96
28) bis(2-Chloroethoxy)met...	7.869	93	175308	60.196	ng		98
29) 2,4-Dichlorophenol	7.986	162	110771	58.761	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	111789	51.387	ng		99
31) Naphthalene	8.145	128	386676	53.649	ng		100
32) Benzoic acid	7.904	122	10776	9.345	ng		90
33) 4-Chloroaniline	8.198	127	119569	49.421	ng		98
34) Hexachlorobutadiene	8.251	225	62246	47.240	ng		99
35) Caprolactam	8.581	113	5294	9.412	ng		96
36) 4-Chloro-3-methylphenol	8.681	107	120986	56.158	ng		98
37) 2-Methylnaphthalene	8.833	142	273197	60.017	ng		100
38) 1-Methylnaphthalene	8.933	142	253356	56.800	ng		100
40) 1,2,4,5-Tetrachloroben...	8.998	216	117267	53.873	ng		99
41) Hexachlorocyclopentadiene	8.980	237	59923	101.915	ng		97
43) 2,4,6-Trichlorophenol	9.116	196	77296	58.240	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138910.D
Acq On : 10 Aug 2024 15:19
Operator : RC/JU
Sample : P3415-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Quant Time: Aug 12 01:15:24 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

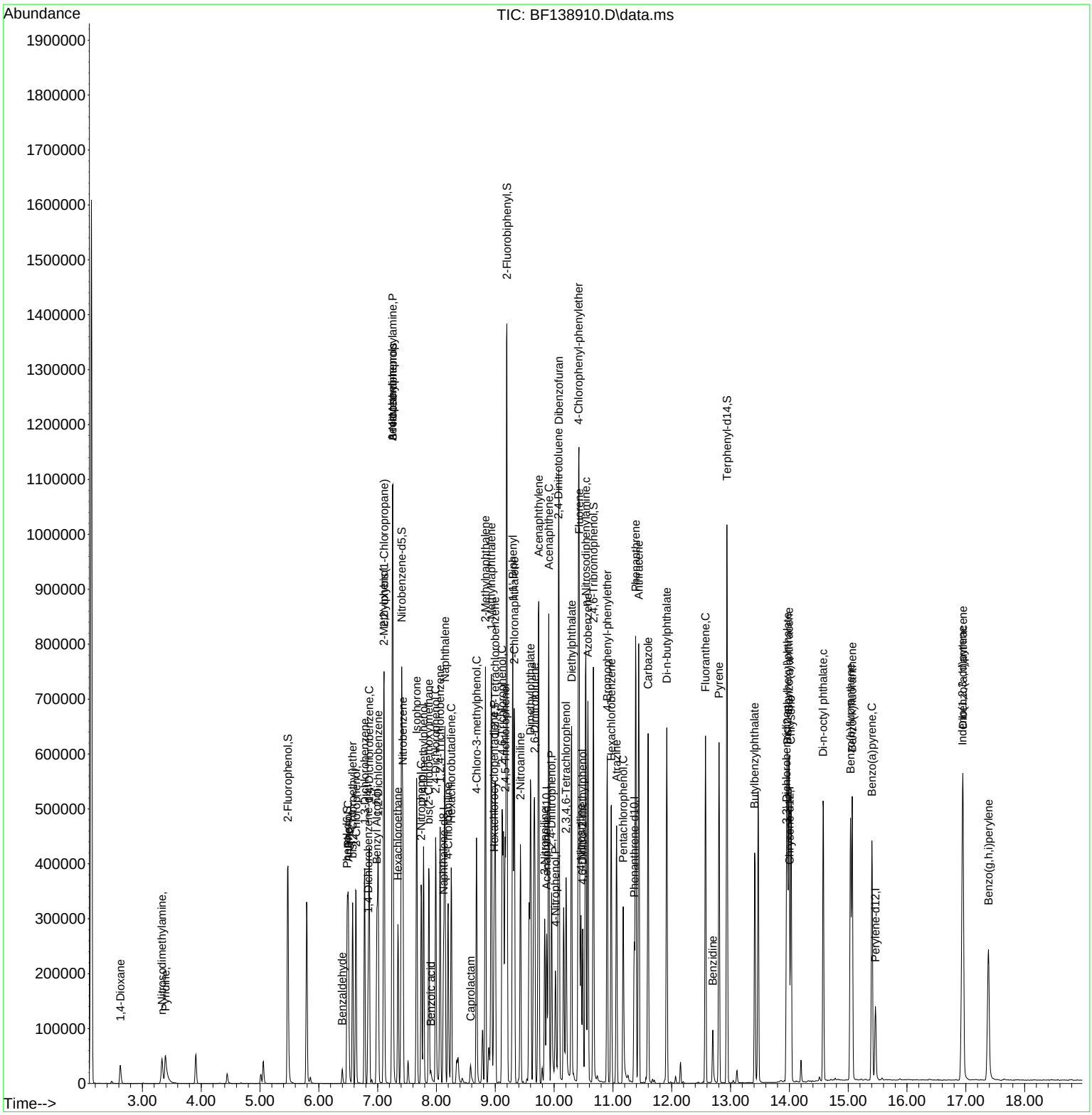
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	81165	55.941	ng		99
46) 1,1'-Biphenyl	9.298	154	334615	54.524	ng		99
47) 2-Chloronaphthalene	9.322	162	261936	57.388	ng		98
48) 2-Nitroaniline	9.428	65	100500	64.950	ng		98
49) Acenaphthylene	9.739	152	423271	65.385	ng		100
50) Dimethylphthalate	9.598	163	323255	64.516	ng		100
51) 2,6-Dinitrotoluene	9.669	165	70884	62.687	ng		90
52) Acenaphthene	9.910	154	256650	58.978	ng		100
53) 3-Nitroaniline	9.839	138	54781	46.863	ng		96
54) 2,4-Dinitrophenol	9.957	184	58919	113.191	ng		86
55) Dibenzofuran	10.080	168	387646	63.106	ng		98
56) 4-Nitrophenol	10.022	139	15355	21.844	ng	#	81
57) 2,4-Dinitrotoluene	10.075	165	94920	65.795	ng	#	86
58) Fluorene	10.427	166	310531	63.481	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	65463	59.016	ng		93
60) Diethylphthalate	10.298	149	321410	67.654	ng		99
61) 4-Chlorophenyl-phenyle...	10.416	204	152513	63.393	ng		98
62) 4-Nitroaniline	10.457	138	64247	57.835	ng		90
63) Azobenzene	10.575	77	329824	62.596	ng		97
65) 4,6-Dinitro-2-methylph...	10.486	198	48982	63.607	ng		93
66) n-Nitrosodiphenylamine	10.539	169	262682	66.578	ng		100
67) 4-Bromophenyl-phenylether	10.904	248	86630	63.391	ng		97
68) Hexachlorobenzene	10.974	284	89039	63.102	ng		97
69) Atrazine	11.063	200	76382	75.036	ng		99
70) Pentachlorophenol	11.174	266	55582	87.392	ng		96
71) Phenanthrene	11.386	178	420471	64.693	ng		99
72) Anthracene	11.439	178	424700	66.329	ng		99
73) Carbazole	11.598	167	341348	61.793	ng		99
74) Di-n-butylphthalate	11.916	149	424896	68.422	ng		100
75) Fluoranthene	12.574	202	343933	56.683	ng		98
77) Benzidine	12.698	184	52963	35.805	ng		98
78) Pyrene	12.804	202	339029	58.224	ng		100
80) Butylbenzylphthalate	13.410	149	127185	68.209	ng		99
81) Benzo(a)anthracene	13.992	228	274945	64.561	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	77785	71.374	ng		99
83) Chrysene	14.027	228	254507	66.240	ng		99
84) Bis(2-ethylhexyl)phtha...	13.968	149	177348	64.952	ng		99
85) Di-n-octyl phthalate	14.574	149	322301	63.800	ng		100
87) Indeno(1,2,3-cd)pyrene	16.945	276	304166	56.261	ng		97
88) Benzo(b)fluoranthene	15.039	252	273251	58.430	ng		98
89) Benzo(k)fluoranthene	15.068	252	284230	70.197	ng		98
90) Benzo(a)pyrene	15.404	252	261332	66.435	ng		98
91) Dibenzo(a,h)anthracene	16.951	278	248466	55.987	ng		97
92) Benzo(g,h,i)perylene	17.386	276	220649	47.913	ng		95

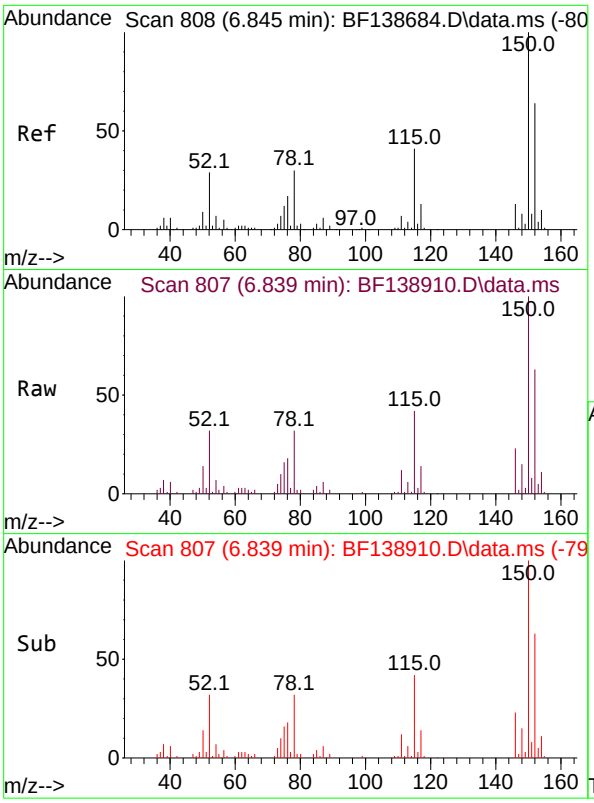
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138910.D
Acq On : 10 Aug 2024 15:19
Operator : RC/JU
Sample : P3415-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Quant Time: Aug 12 01:15:24 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



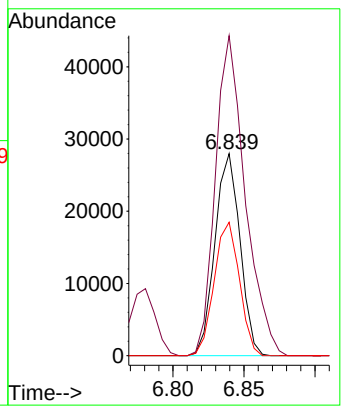


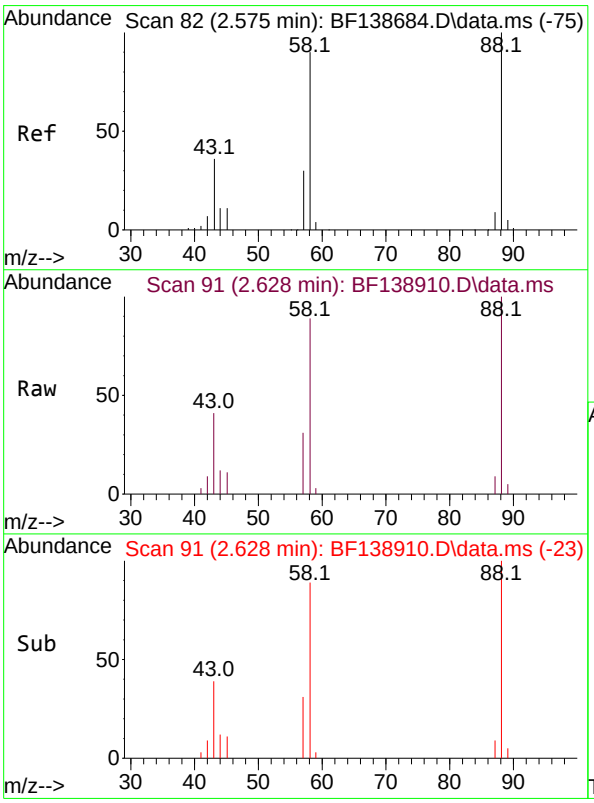
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:152 Resp: 34319

Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.0	189.0
115	66.0	51.7	77.5

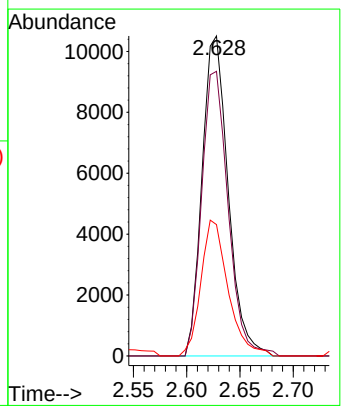


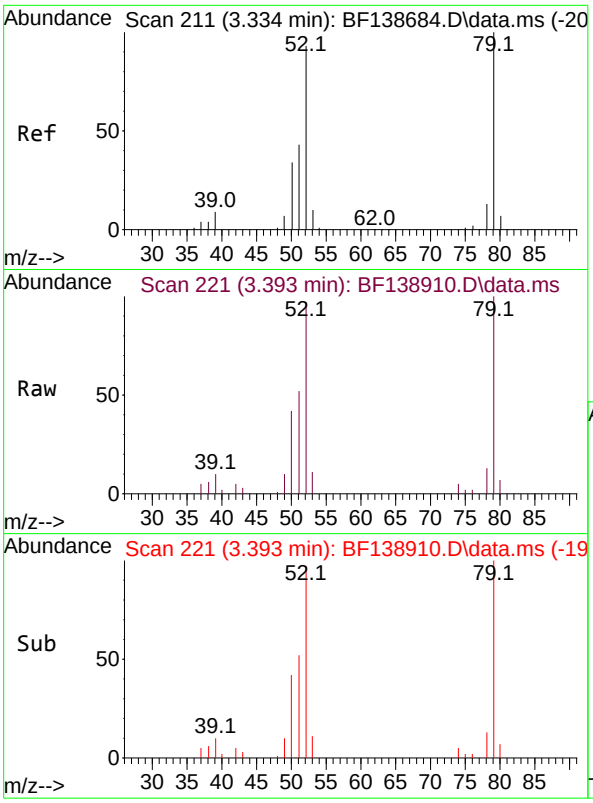


#2
1,4-Dioxane
Concen: 18.424 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.053 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 88 Resp: 17933

Ion	Ratio	Lower	Upper
88	100		
58	90.0	71.6	107.4
43	44.3	28.7	43.1#



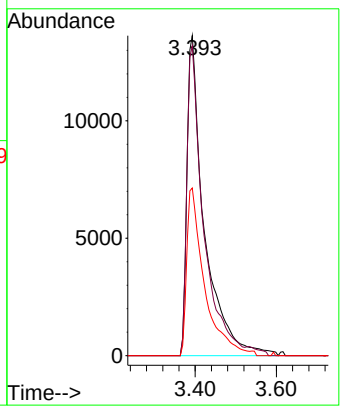


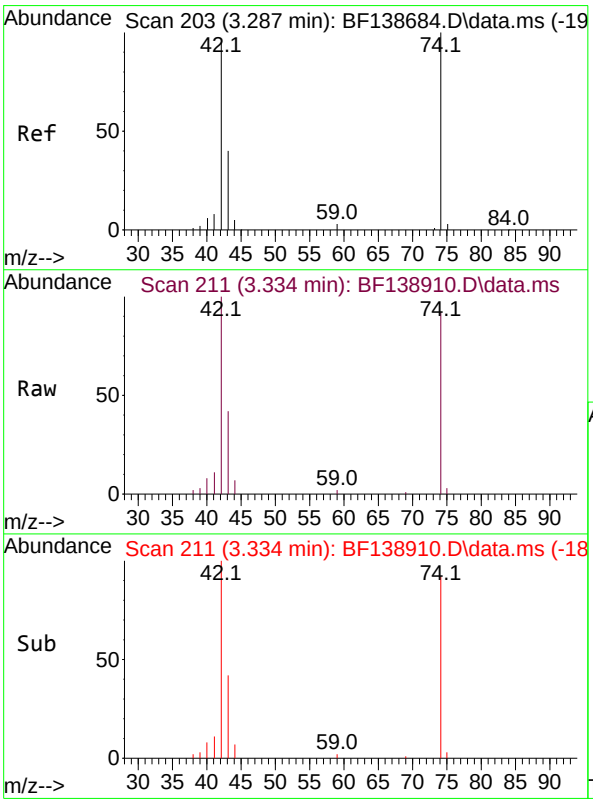
#3
Pyridine
Concen: 17.184 ng
RT: 3.393 min Scan# 2
Delta R.T. 0.059 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 79 Resp: 40517

Ion	Ratio	Lower	Upper
79	100		
52	96.8	74.7	112.1
51	52.4	34.6	51.8#

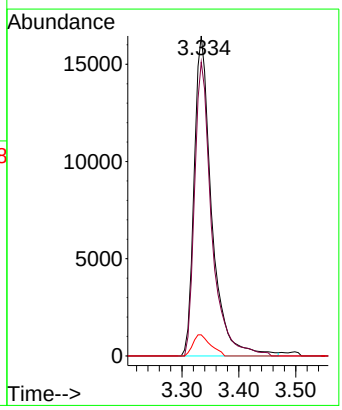


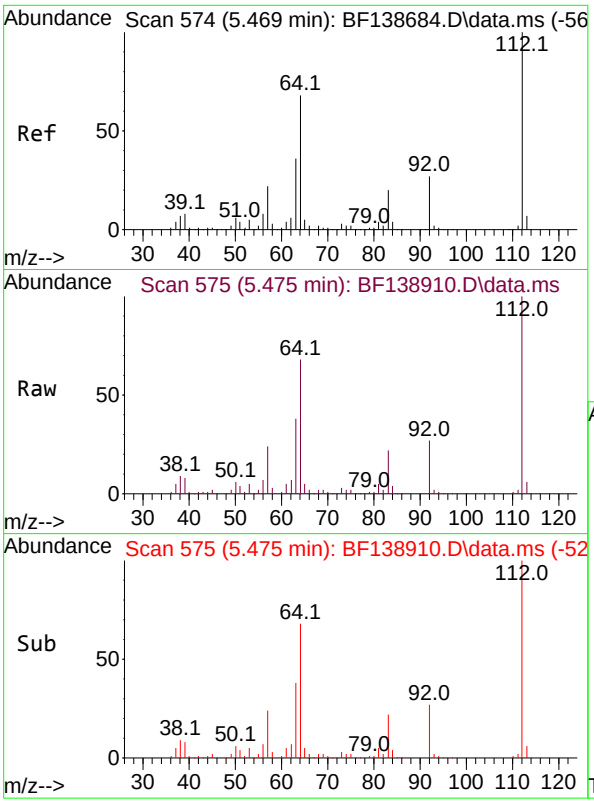


#4
n-Nitrosodimethylamine
Concen: 25.213 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 42 Resp: 35407

Ion	Ratio	Lower	Upper
42	100		
74	91.8	84.2	126.4
44	6.6	4.9	7.3



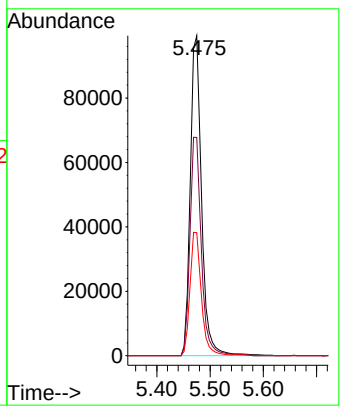


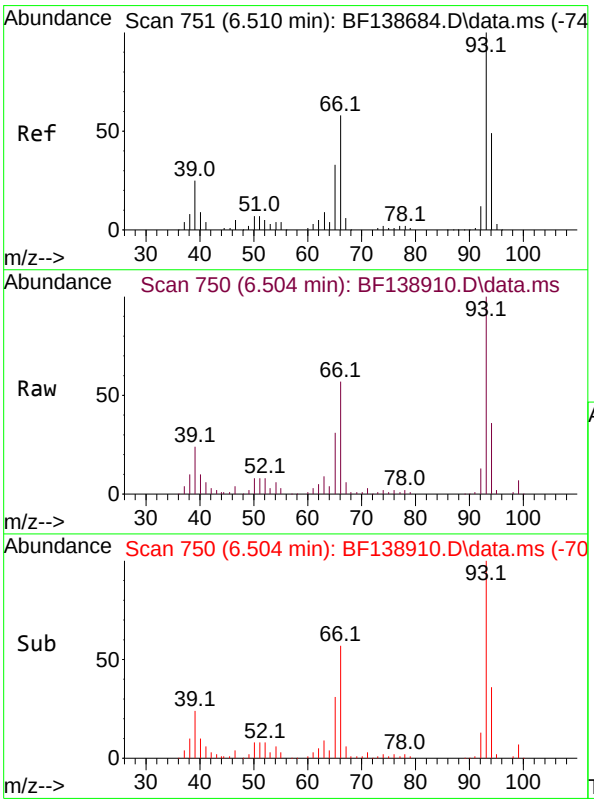
#5
2-Fluorophenol
Concen: 65.944 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:112 Resp: 146609

Ion	Ratio	Lower	Upper
112	100		
64	68.2	54.2	81.4
63	38.4	28.7	43.1

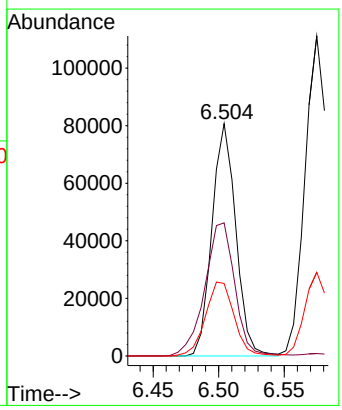


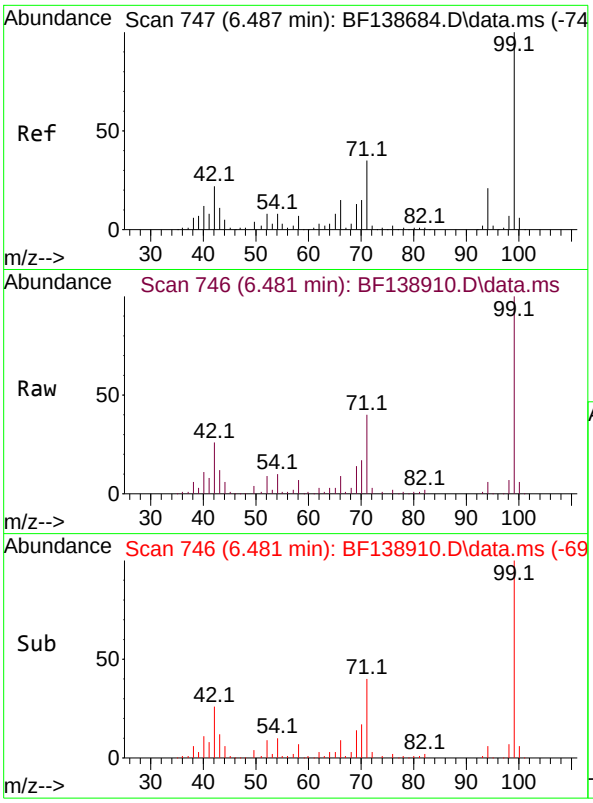


#6
Aniline
Concen: 38.309 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 93 Resp: 101978

Ion	Ratio	Lower	Upper
93	100		
66	57.3	46.9	70.3
65	31.2	26.5	39.7



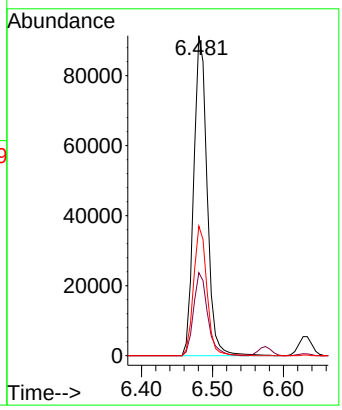


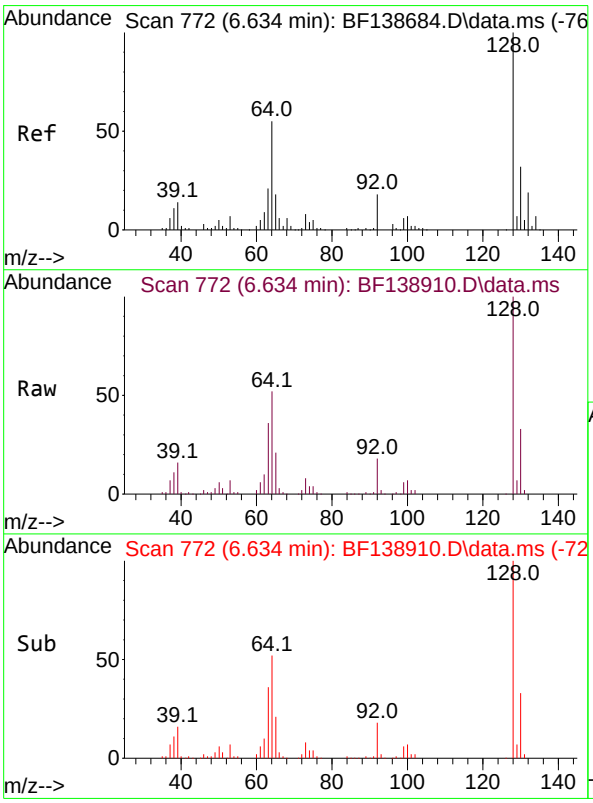
#7
Phenol-d6
Concen: 40.179 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 99 Resp: 119931

Ion	Ratio	Lower	Upper
99	100		
42	25.9	17.4	26.0
71	40.5	28.1	42.1

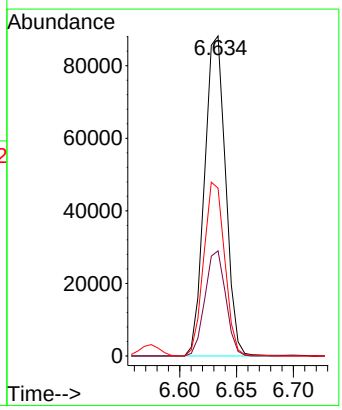


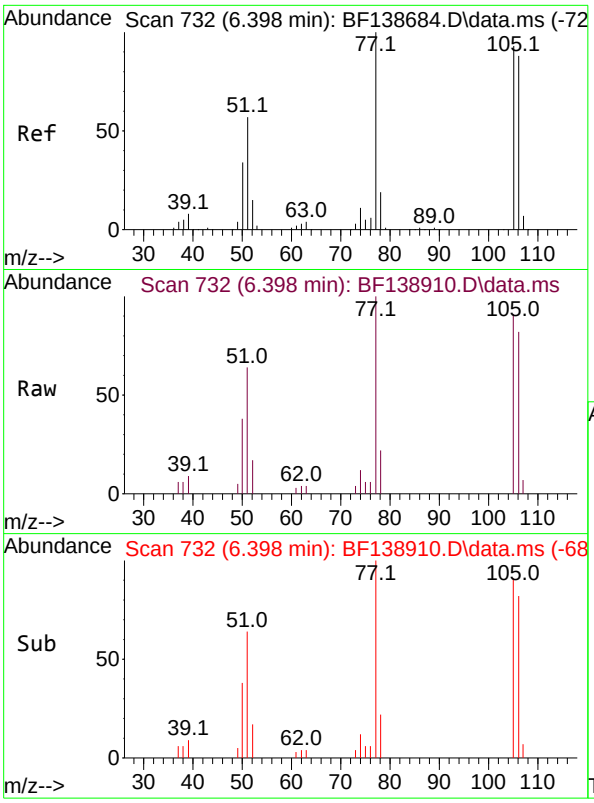


#8
2-Chlorophenol
Concen: 48.588 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:128 Resp: 113652

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.0	52.0
64	52.5	36.3	76.3



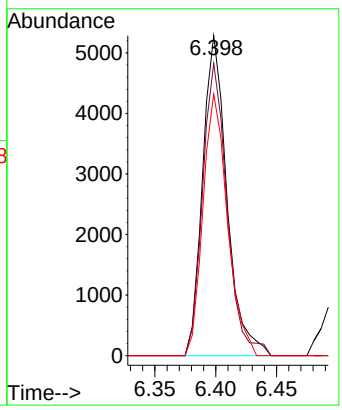


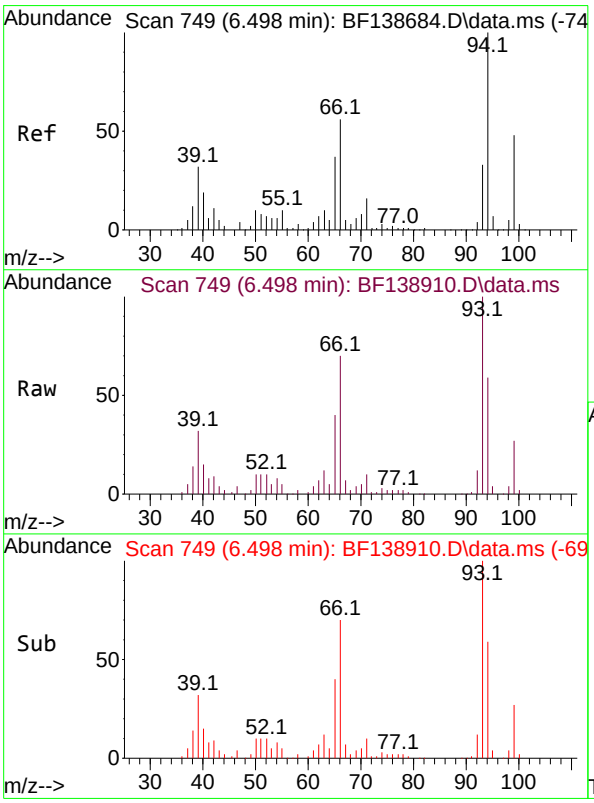
#9
Benzaldehyde
Concen: 4.114 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 77 Resp: 7361

Ion	Ratio	Lower	Upper
77	100		
105	91.3	72.9	112.9
106	81.7	68.4	108.4

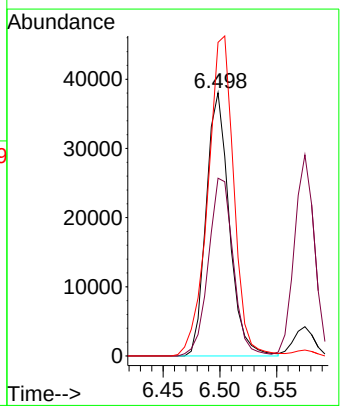


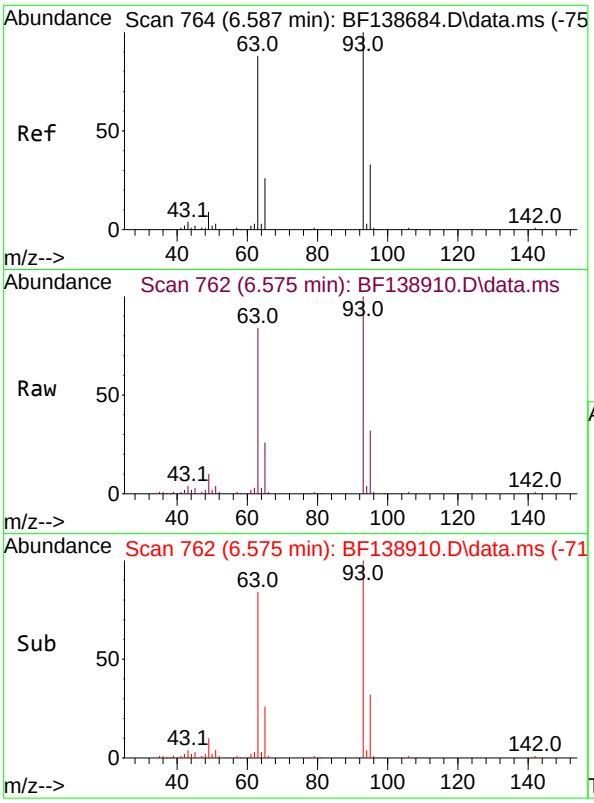


#10
Phenol
Concen: 17.135 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 94 Resp: 53850

Ion	Ratio	Lower	Upper
94	100		
65	67.5	16.9	56.9#
66	119.1	36.5	76.5#



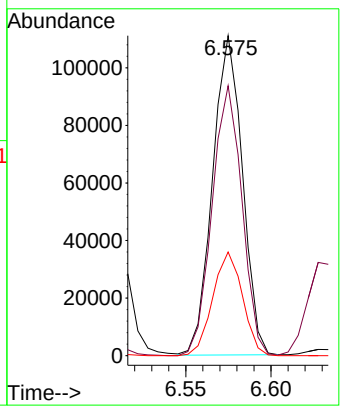


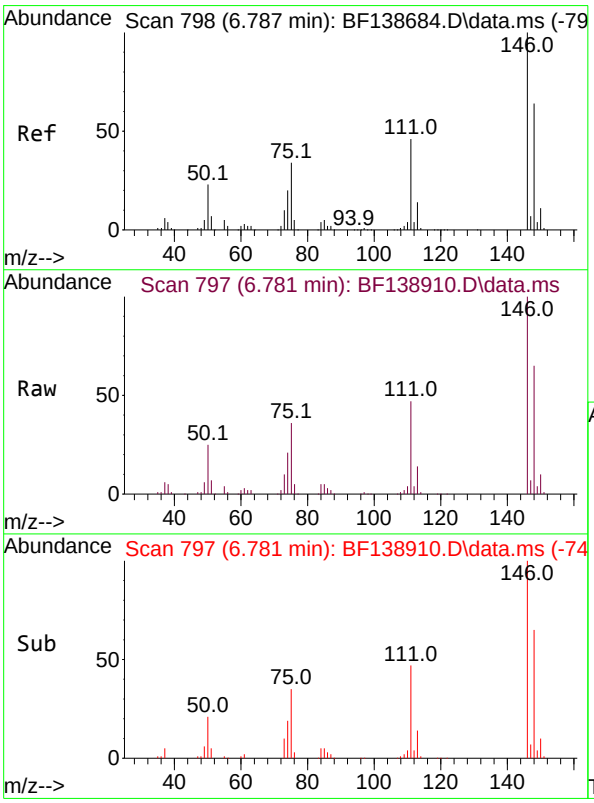
#11
bis(2-Chloroethyl)ether
Concen: 55.761 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 93 Resp: 134856

Ion	Ratio	Lower	Upper
93	100		
63	84.3	65.3	105.3
95	32.4	12.4	52.4

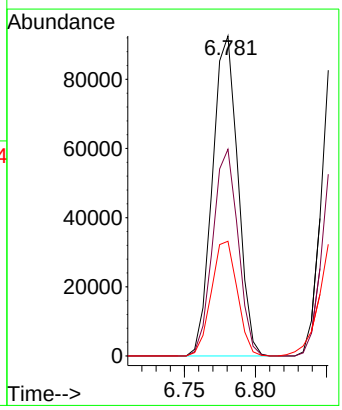


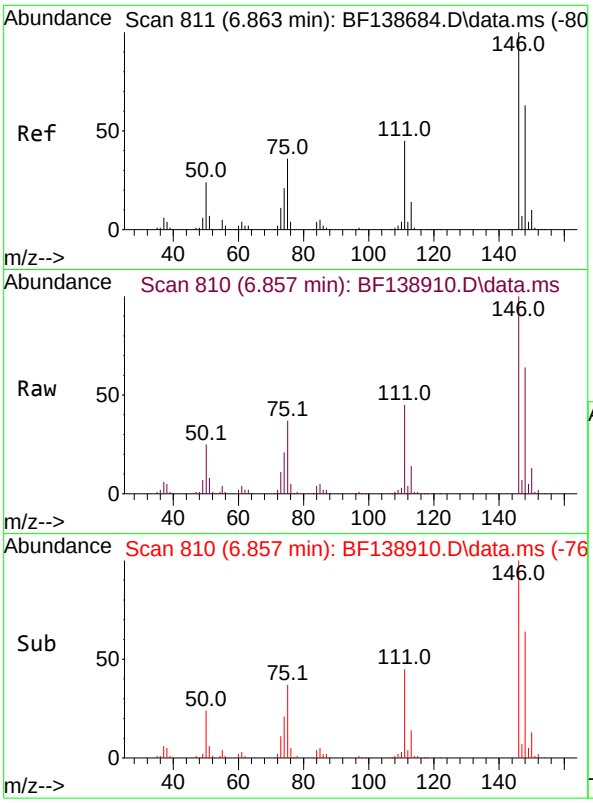


#12
1,3-Dichlorobenzene
Concen: 44.055 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:146 Resp: 115351

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
75	35.9	27.4	41.2



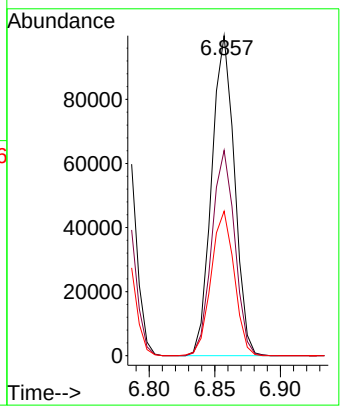


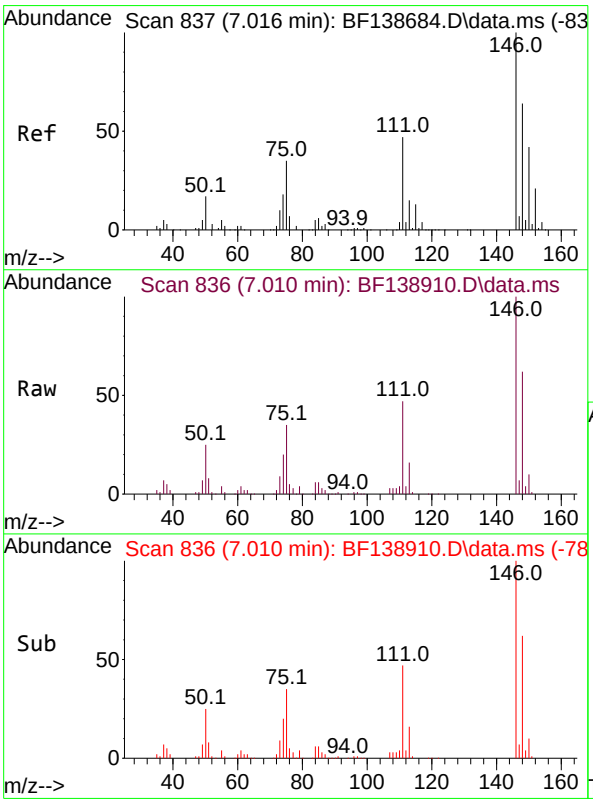
#13
1,4-Dichlorobenzene
Concen: 45.699 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:146 Resp: 120754

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.2	75.2
111	45.2	35.9	53.9

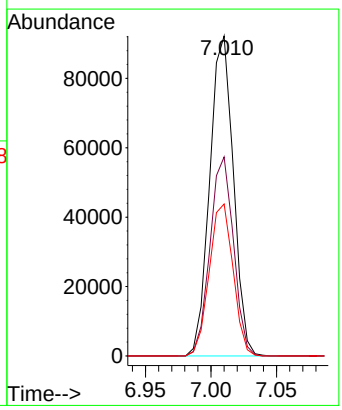


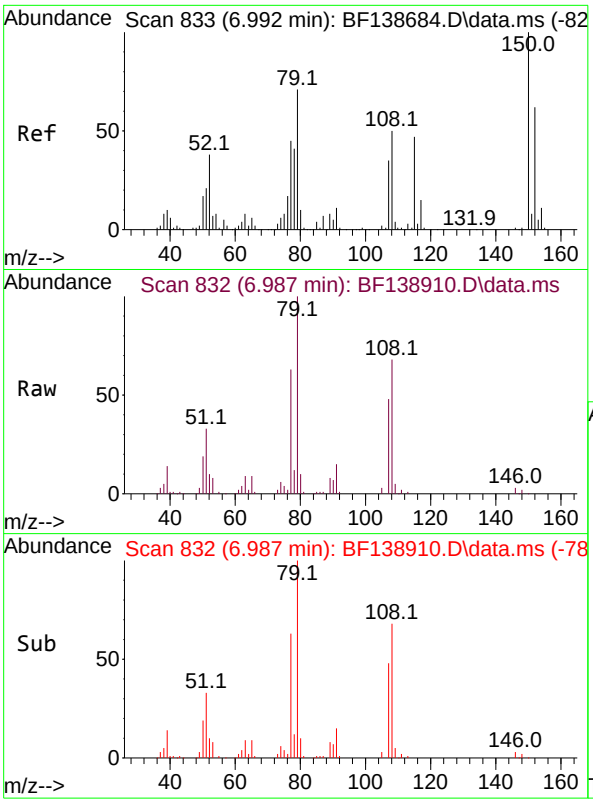


#14
1,2-Dichlorobenzene
Concen: 46.778 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:146 Resp: 115518

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.8	76.2
111	47.5	37.4	56.2



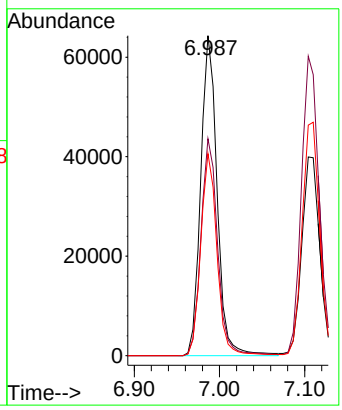


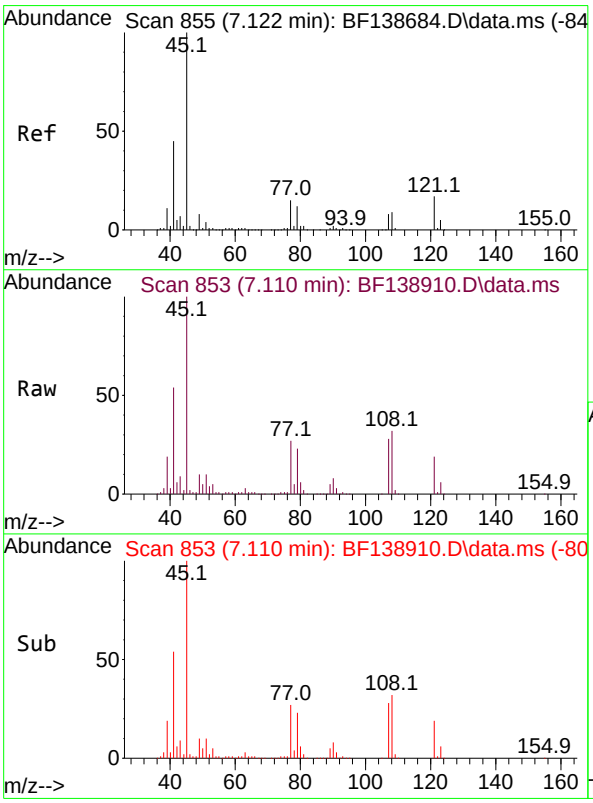
#15
Benzyl Alcohol
Concen: 40.017 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 79 Resp: 86092

Ion	Ratio	Lower	Upper
79	100		
108	67.8	56.6	85.0
77	63.2	50.3	75.5

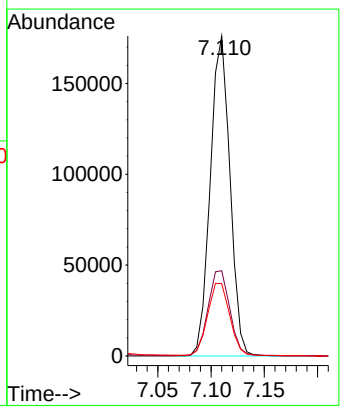


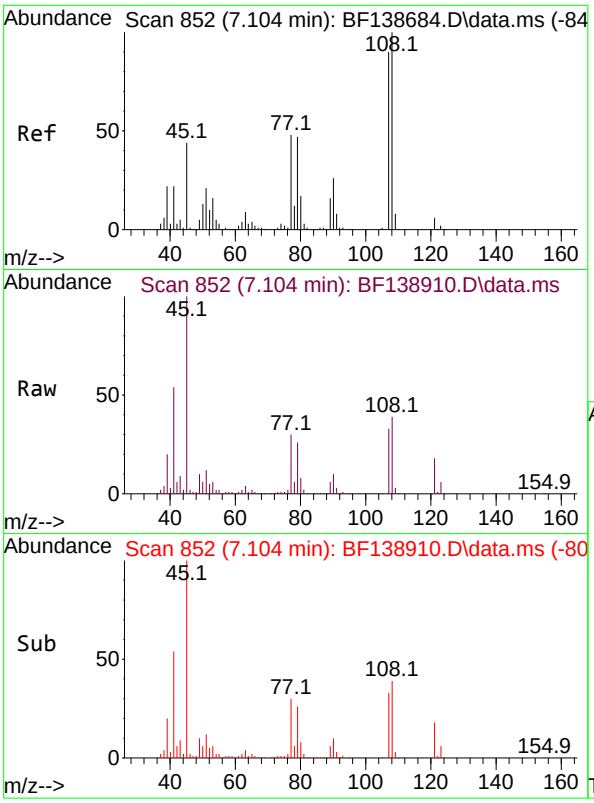


#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.330 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 45 Resp: 226127

Ion	Ratio	Lower	Upper
45	100		
77	26.6	0.0	34.9
79	22.6	0.0	32.2



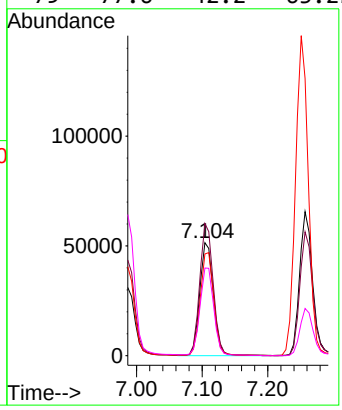


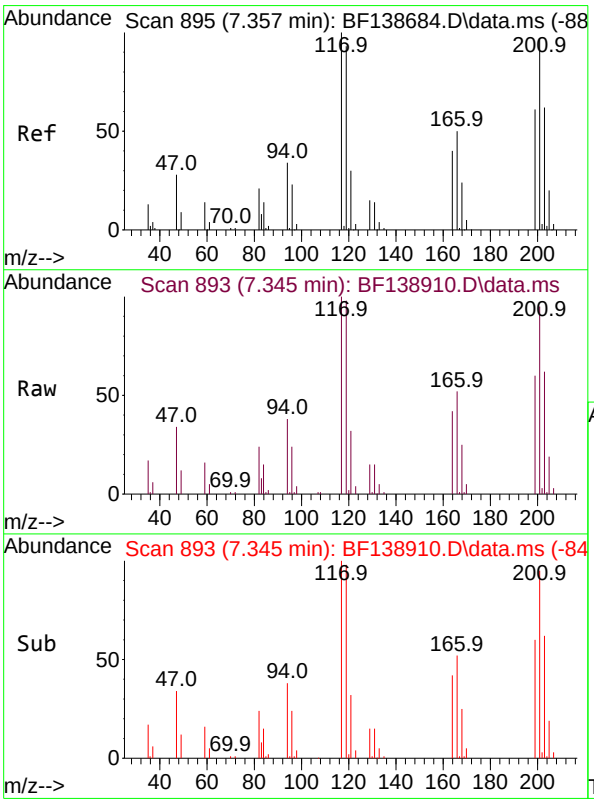
#17
2-Methylphenol
Concen: 39.014 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:107 Resp: 75356

Ion	Ratio	Lower	Upper
107	100		
108	116.9	89.2	133.8
77	90.0	43.0	64.4#
79	77.6	42.2	63.2#

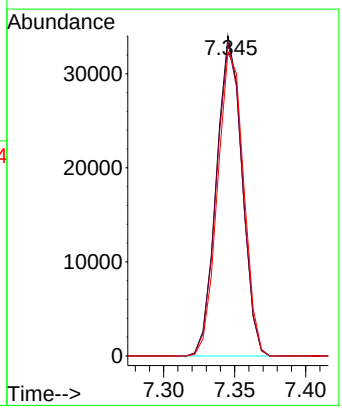


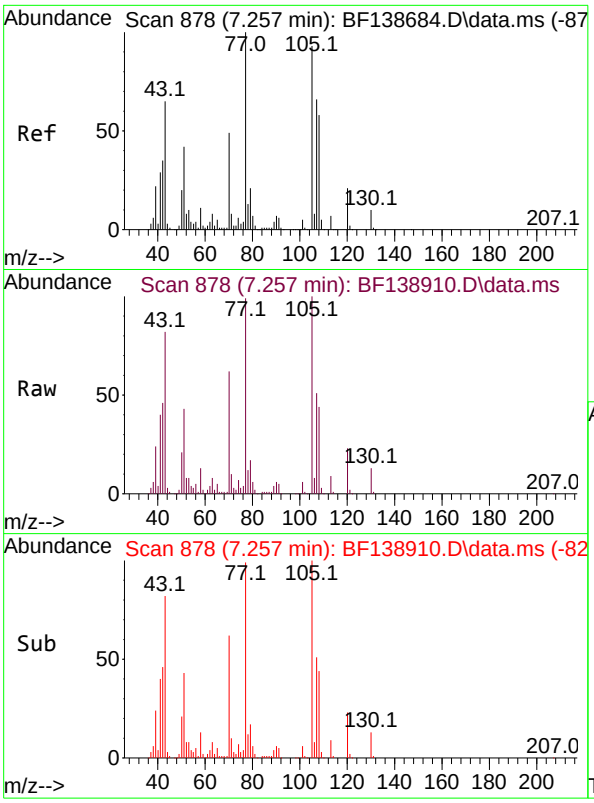


#18
Hexachloroethane
Concen: 42.883 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:117 Resp: 42654

Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.6	111.8
201	95.0	77.2	115.8



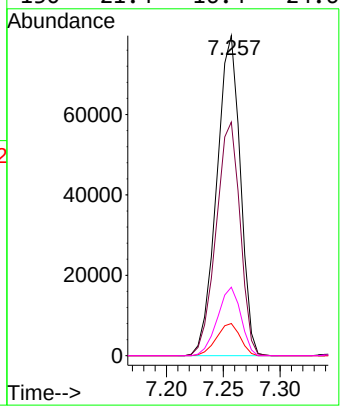


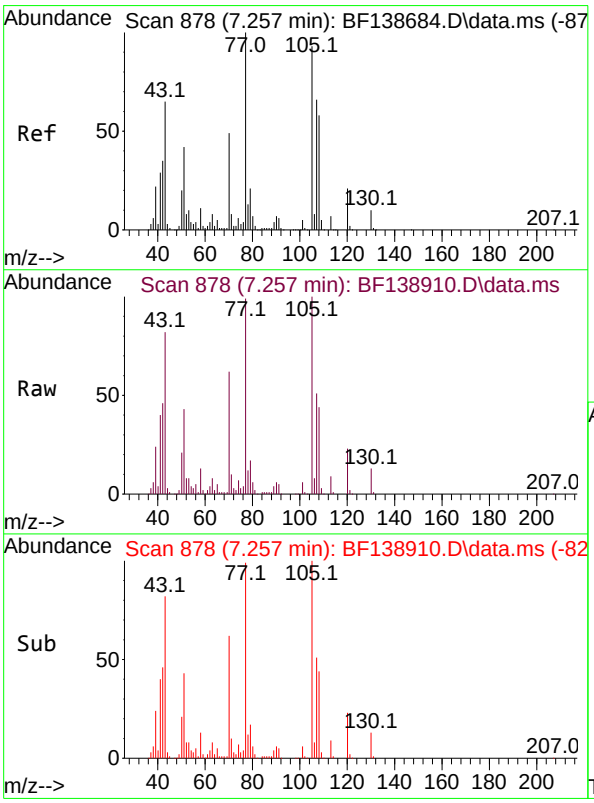
#19
n-Nitroso-di-n-propylamine
Concen: 63.903 ng
RT: 7.257 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 70 Resp: 115206

Ion	Ratio	Lower	Upper
70	100		
42	73.0	57.4	86.0
101	10.0	7.5	11.3
130	21.4	16.4	24.6

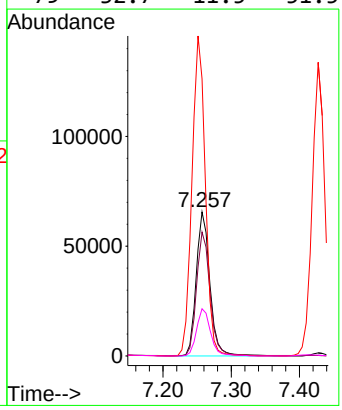


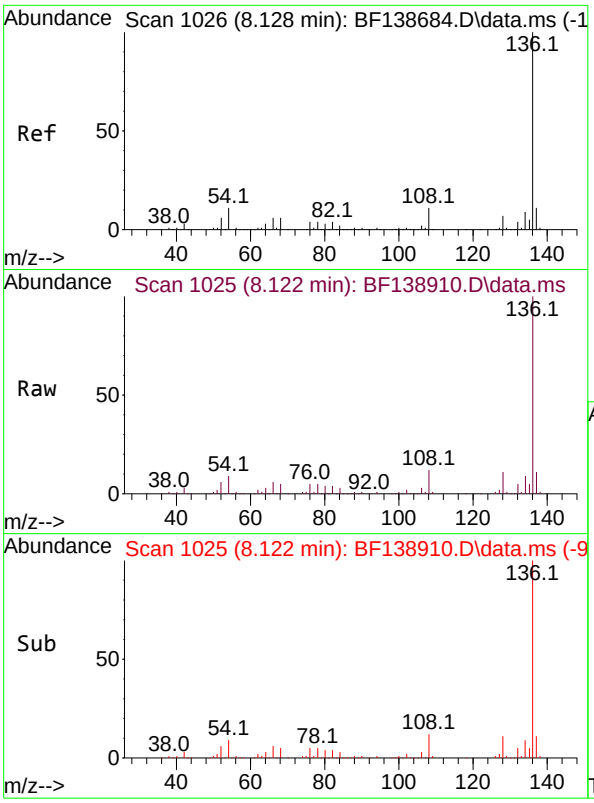


#20
3+4-Methylphenols
Concen: 36.902 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:107 Resp: 91451

Ion	Ratio	Lower	Upper
107	100		
108	86.0	68.2	108.2
77	192.4	132.1	172.1#
79	32.7	11.5	51.5



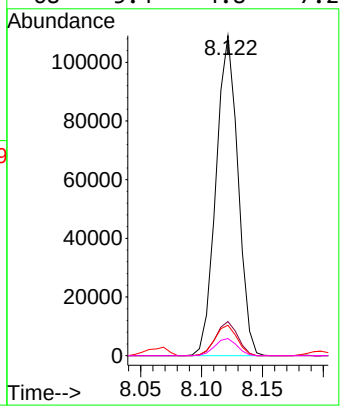


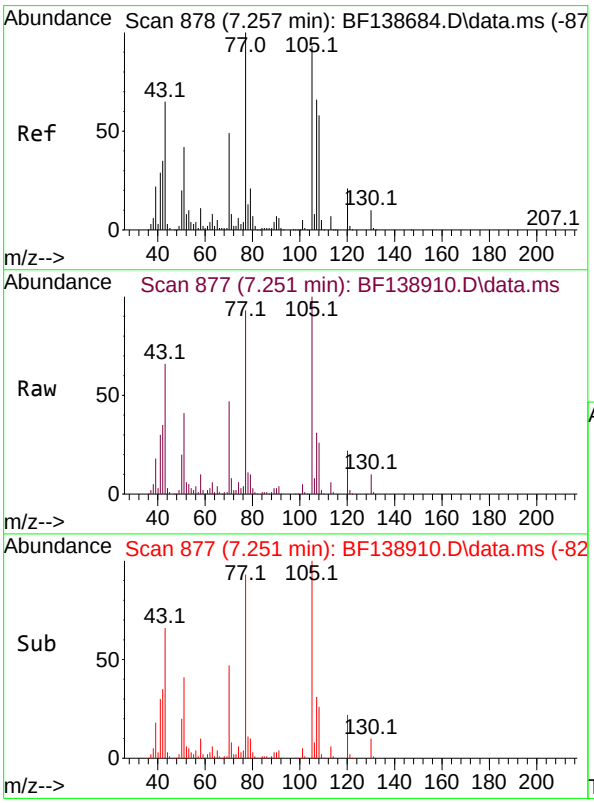
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:136 Resp: 136930

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.5	8.6	12.8
68	5.4	4.8	7.2

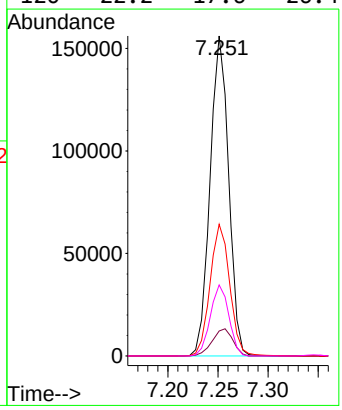


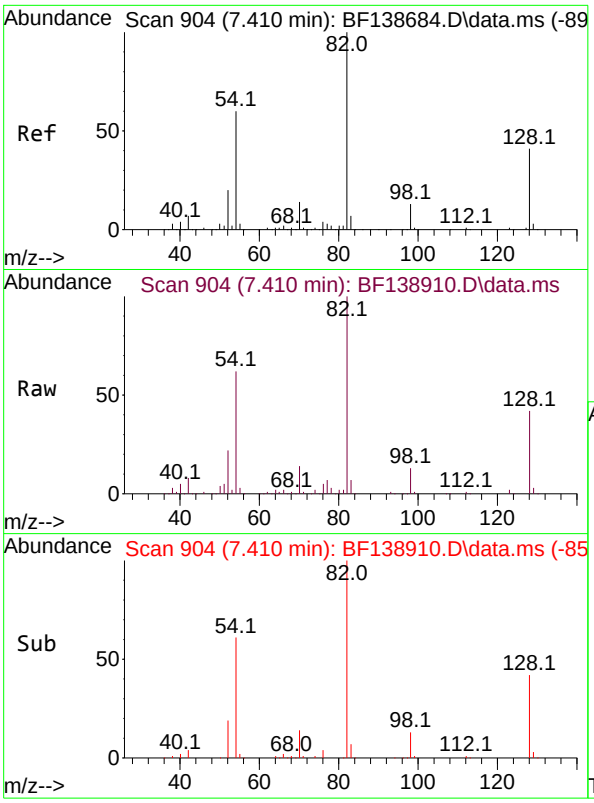


#22
Acetophenone
Concen: 59.900 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:105 Resp: 200827

Ion	Ratio	Lower	Upper
105	100		
71	7.8	7.2	10.8
51	41.2	35.9	53.9
120	22.2	17.6	26.4



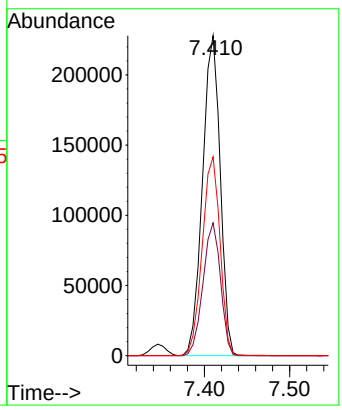


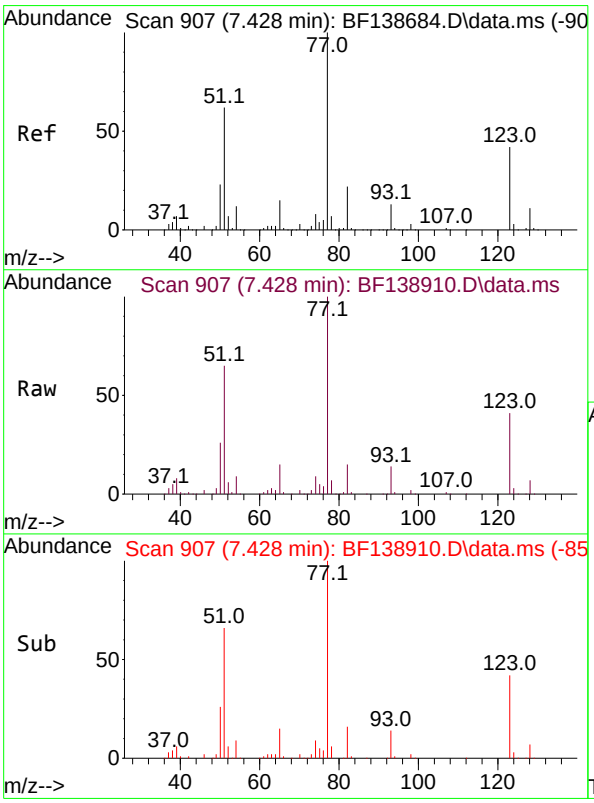
#23
Nitrobenzene-d5
Concen: 117.457 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 82 Resp: 328961

Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.8	49.2
54	62.2	48.3	72.5

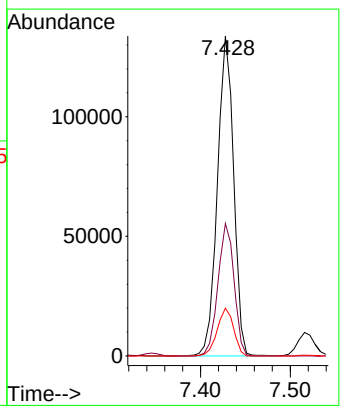


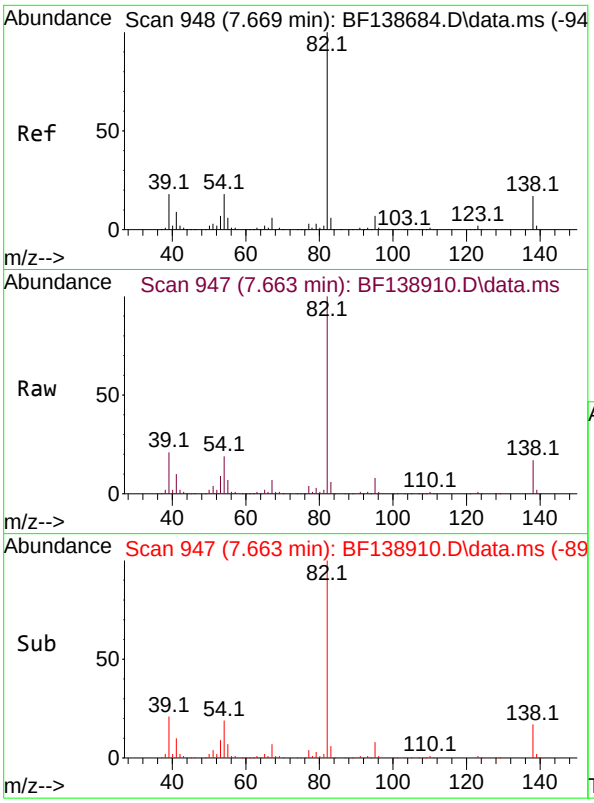


#24
Nitrobenzene
Concen: 58.985 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 77 Resp: 168103

Ion	Ratio	Lower	Upper
77	100		
123	41.4	33.3	49.9
65	15.0	11.9	17.9



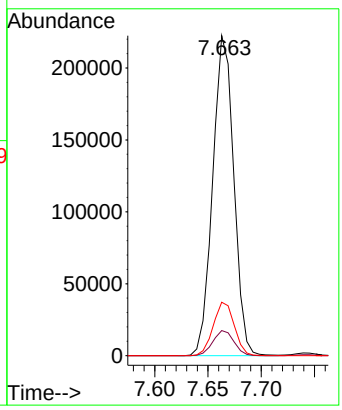


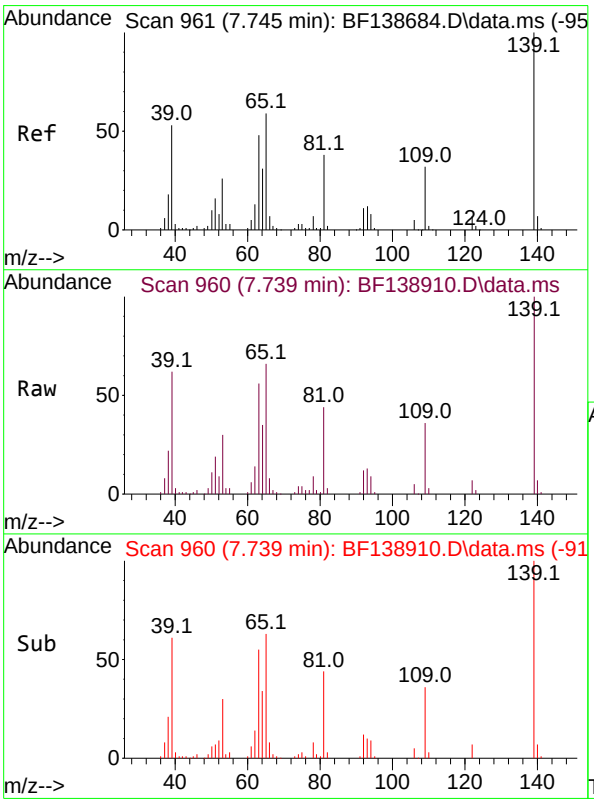
#25
Isophorone
Concen: 63.987 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 82 Resp: 306004

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.7	8.5
138	16.7	13.7	20.5

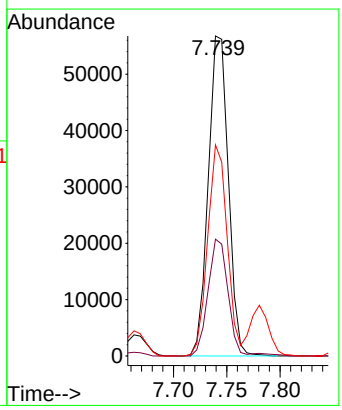


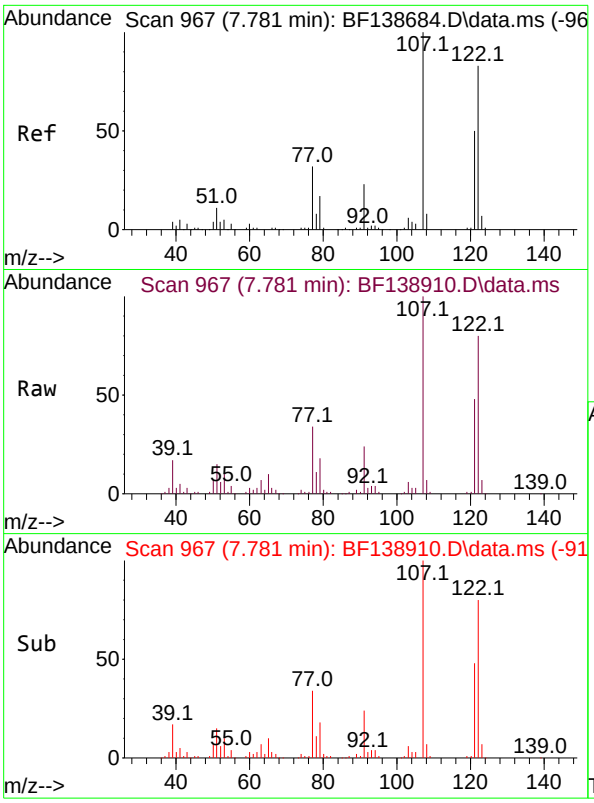


#26
2-Nitrophenol
Concen: 60.576 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:139 Resp: 74274

Ion	Ratio	Lower	Upper
139	100		
109	36.5	25.9	38.9
65	65.9	47.0	70.6



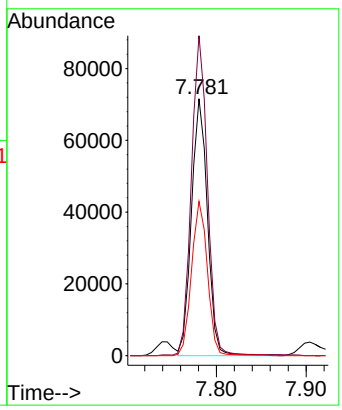


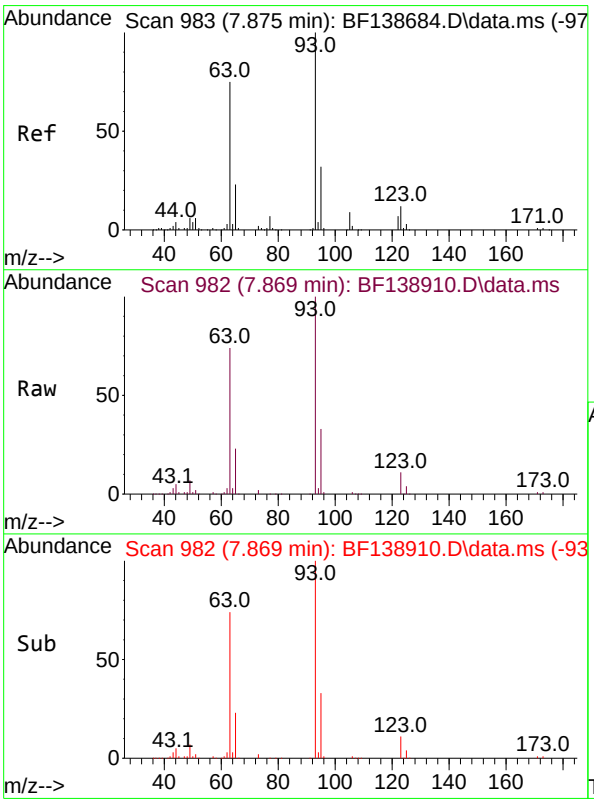
#27
2,4-Dimethylphenol
Concen: 60.397 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:122 Resp: 88603

Ion	Ratio	Lower	Upper
122	100		
107	124.5	95.0	142.6
121	60.1	47.3	70.9

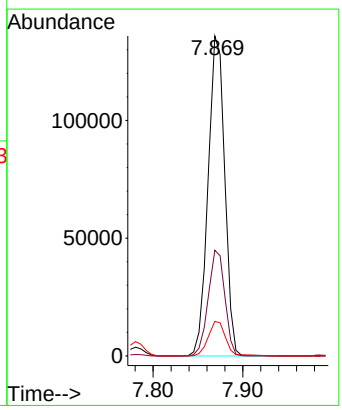


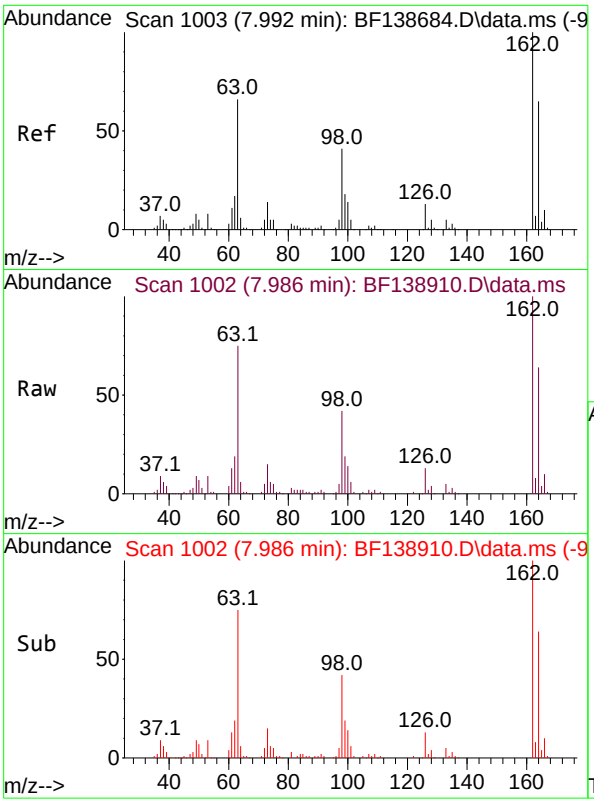


#28
bis(2-Chloroethoxy)methane
Concen: 60.196 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 93 Resp: 175308

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	10.8	9.4	14.0



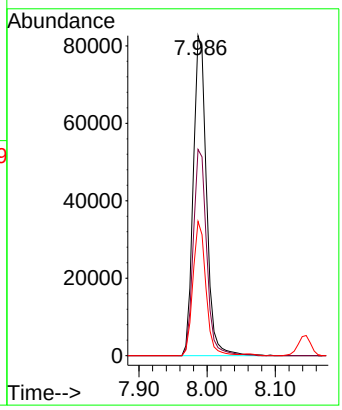


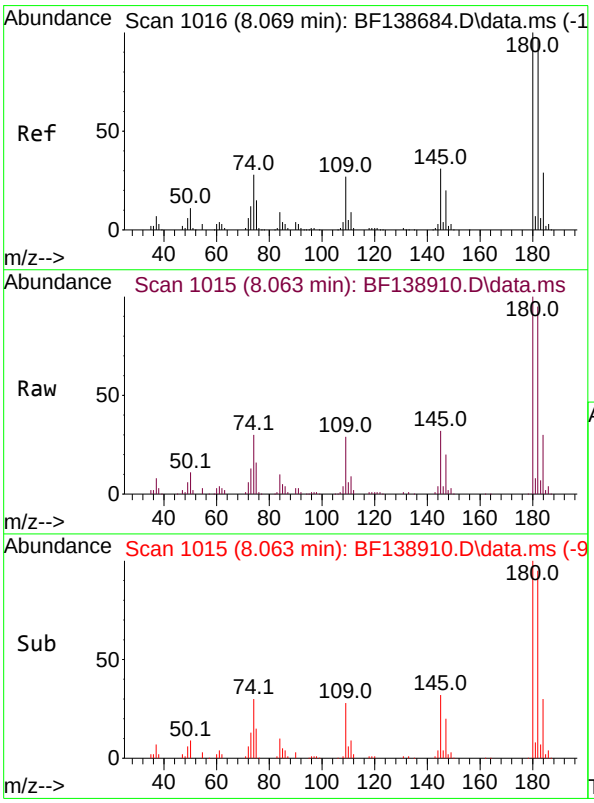
#29
2,4-Dichlorophenol
Concen: 58.761 ng
RT: 7.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:162 Resp: 110771

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.7	84.7
98	42.0	20.8	60.8

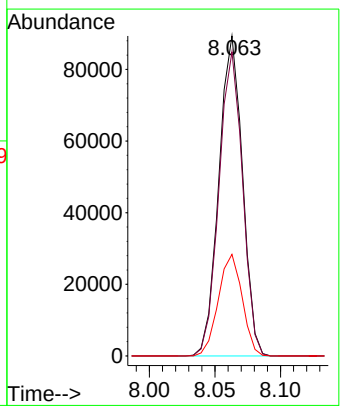


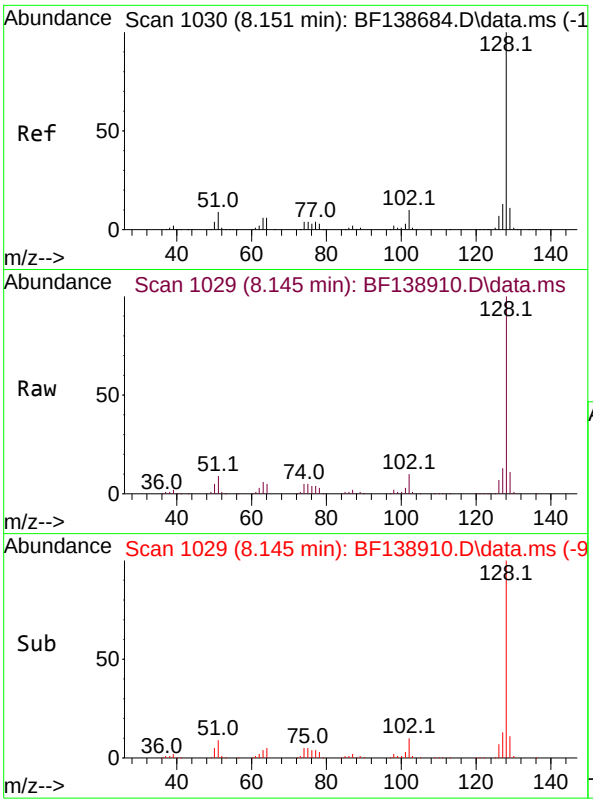


#30
1,2,4-Trichlorobenzene
Concen: 51.387 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:180 Resp: 111789

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.9	115.3
145	31.8	25.0	37.4



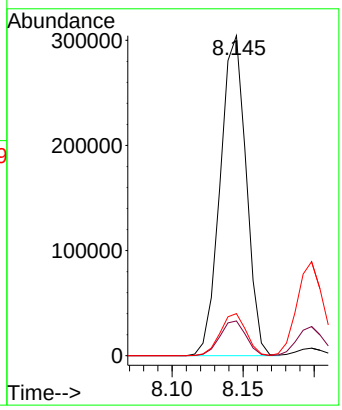


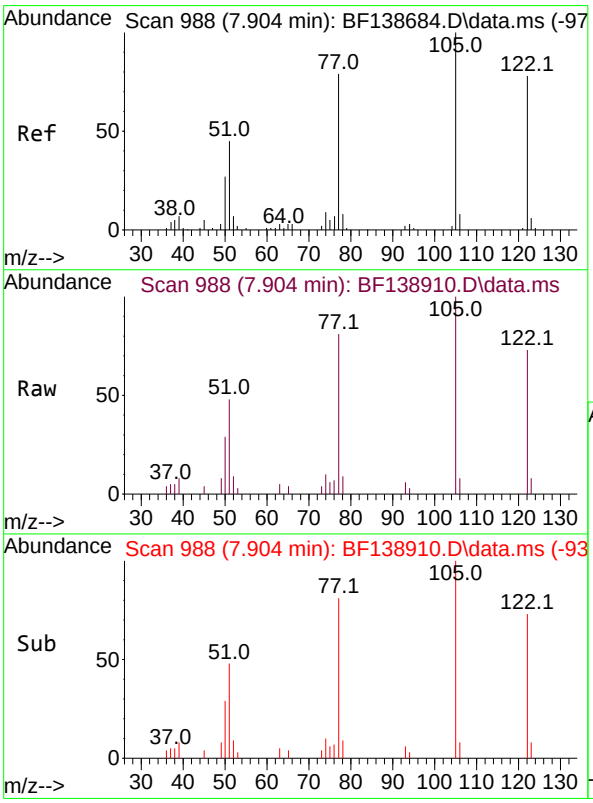
#31
Naphthalene
Concen: 53.649 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:128 Resp: 386676

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.6	16.0

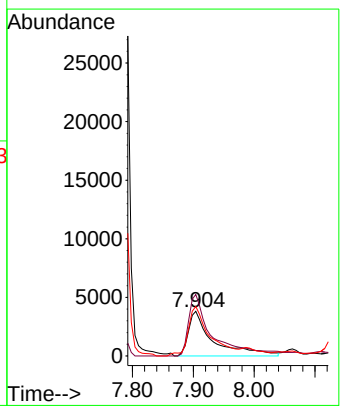


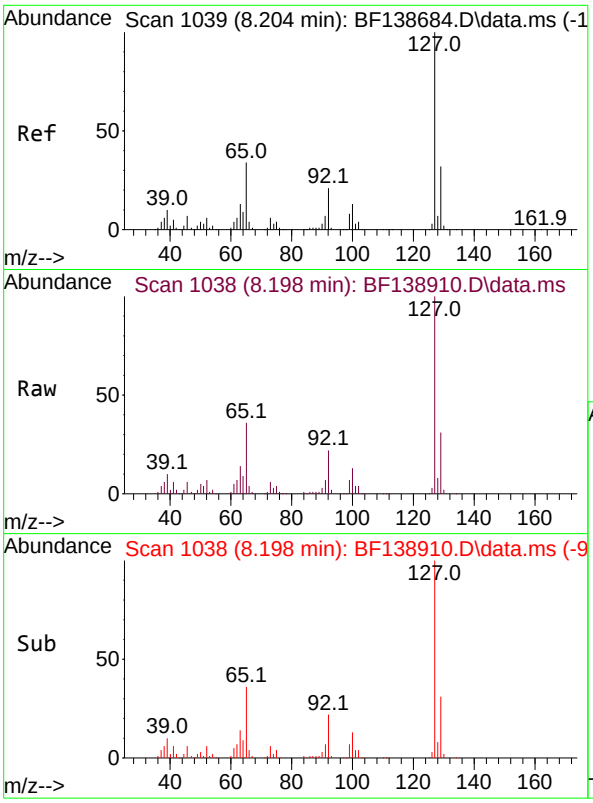


#32
Benzoic acid
Concen: 9.345 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:122 Resp: 10776

Ion	Ratio	Lower	Upper
122	100		
105	137.9	106.7	146.7
77	111.0	81.1	121.1



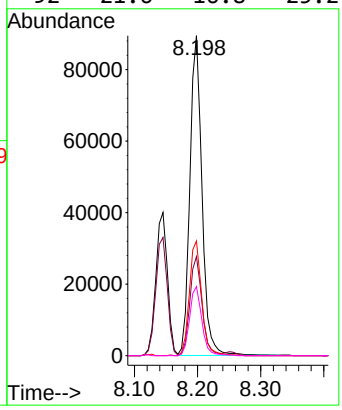


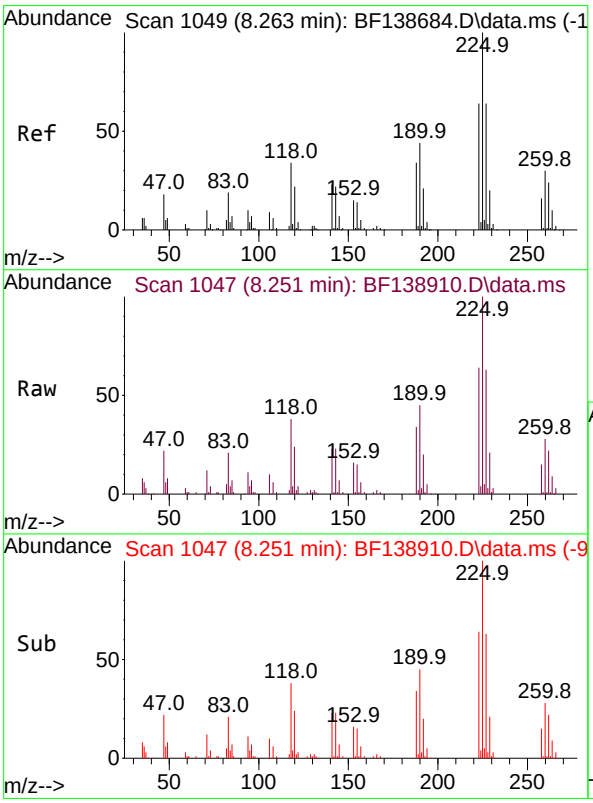
#33
4-Chloroaniline
Concen: 49.421 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:127 Resp: 119569

Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.9	38.9
65	35.8	27.6	41.4
92	21.6	16.8	25.2

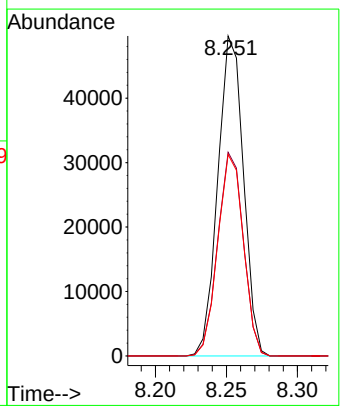


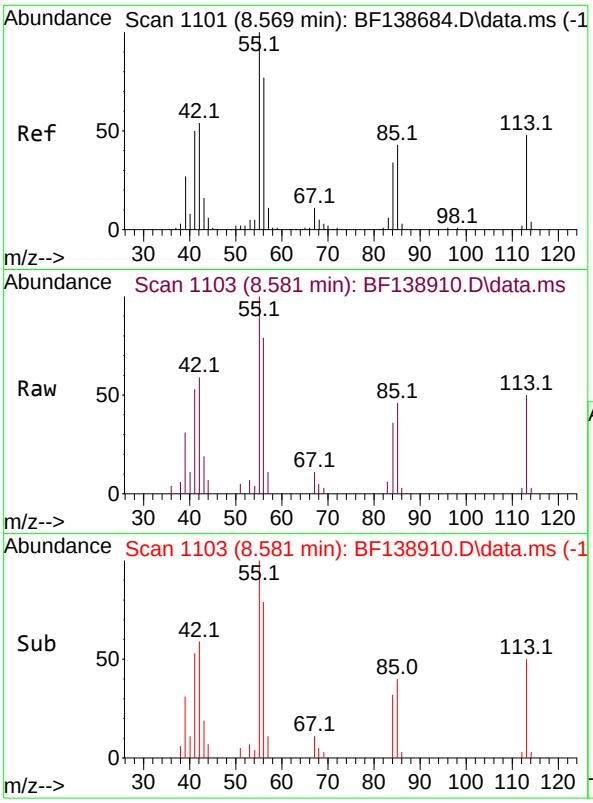


#34
Hexachlorobutadiene
Concen: 47.240 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:225 Resp: 62246

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.2	76.8
227	63.0	51.1	76.7



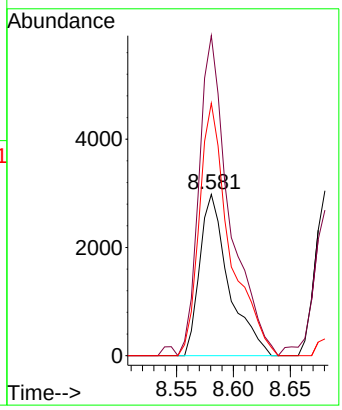


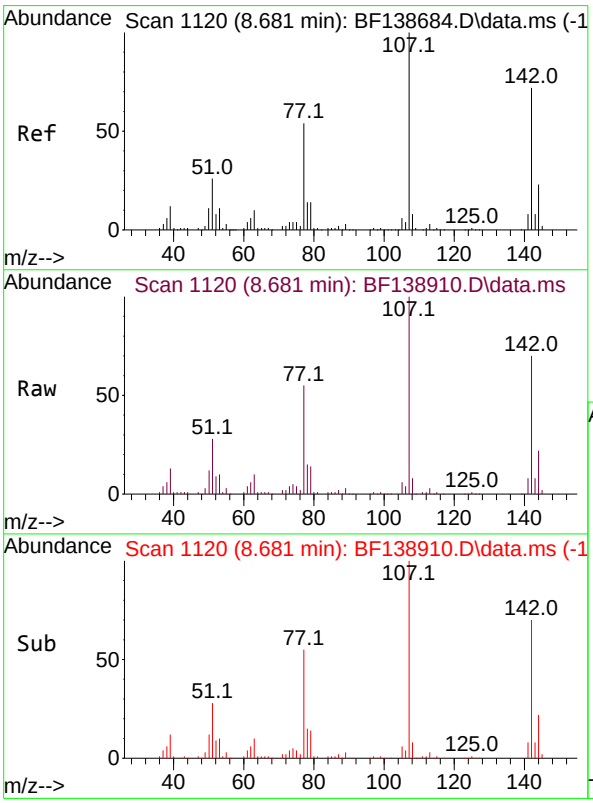
#35
Caprolactam
Concen: 9.412 ng
RT: 8.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:113 Resp: 5294

Ion	Ratio	Lower	Upper
113	100		
55	198.4	186.7	226.7
56	156.5	138.9	178.9

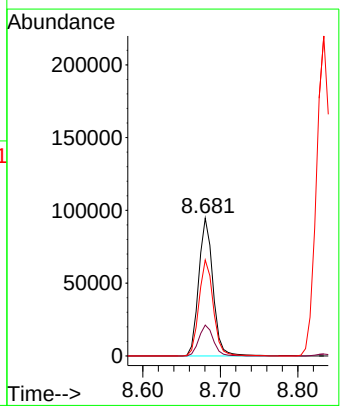


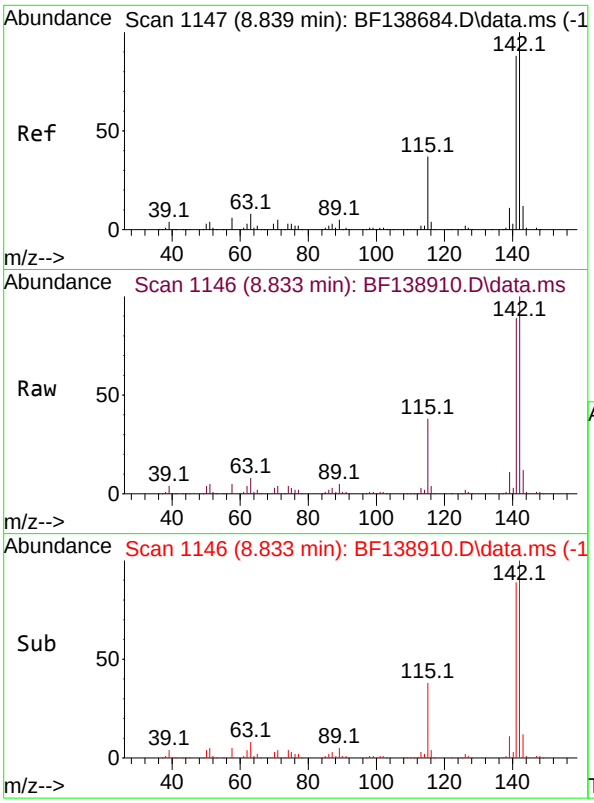


#36
4-Chloro-3-methylphenol
Concen: 56.158 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:107 Resp: 120986

Ion	Ratio	Lower	Upper
107	100		
144	22.5	18.2	27.2
142	69.7	57.4	86.2



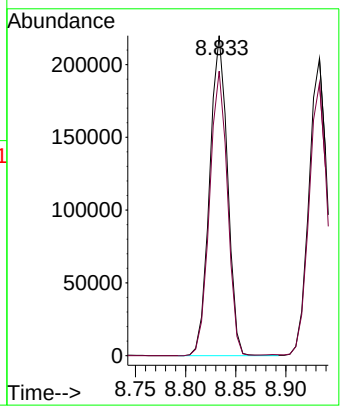


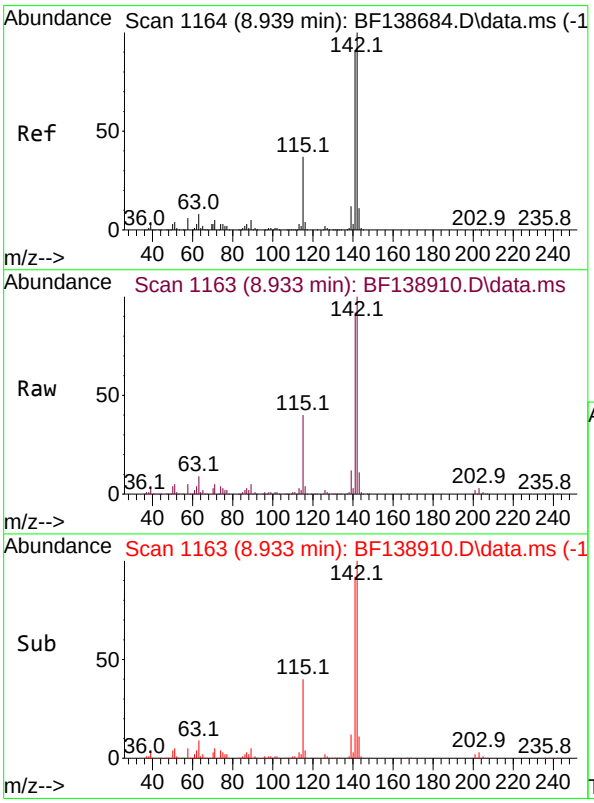
#37
2-Methylnaphthalene
Concen: 60.017 ng
RT: 8.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:142 Resp: 273197

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2

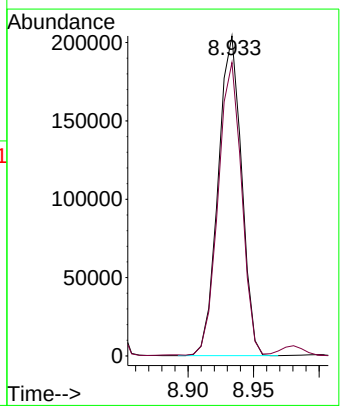


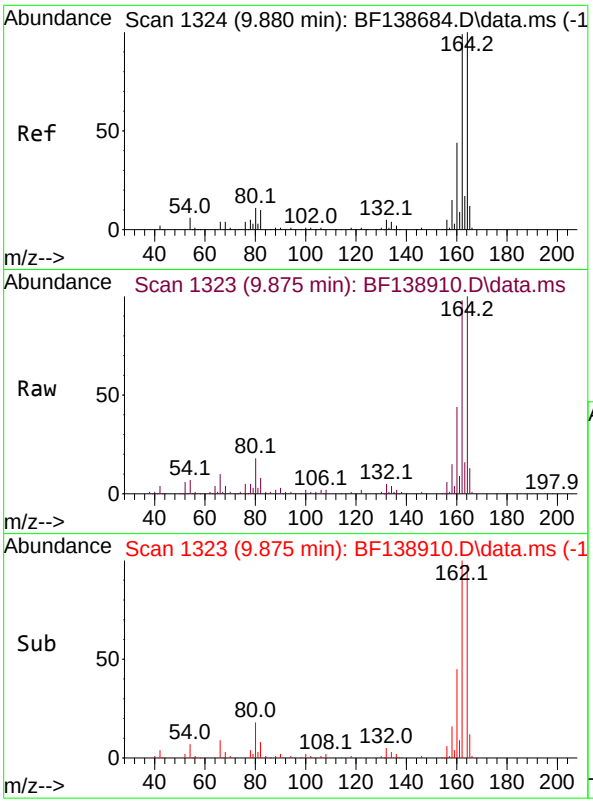


#38
1-Methylnaphthalene
Concen: 56.800 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:142 Resp: 253356

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.1	109.7



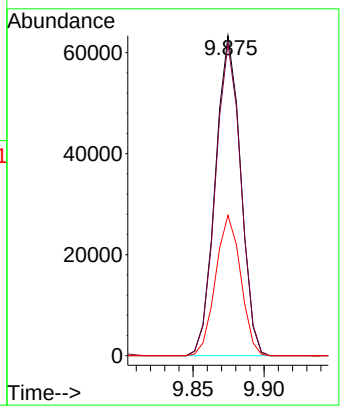


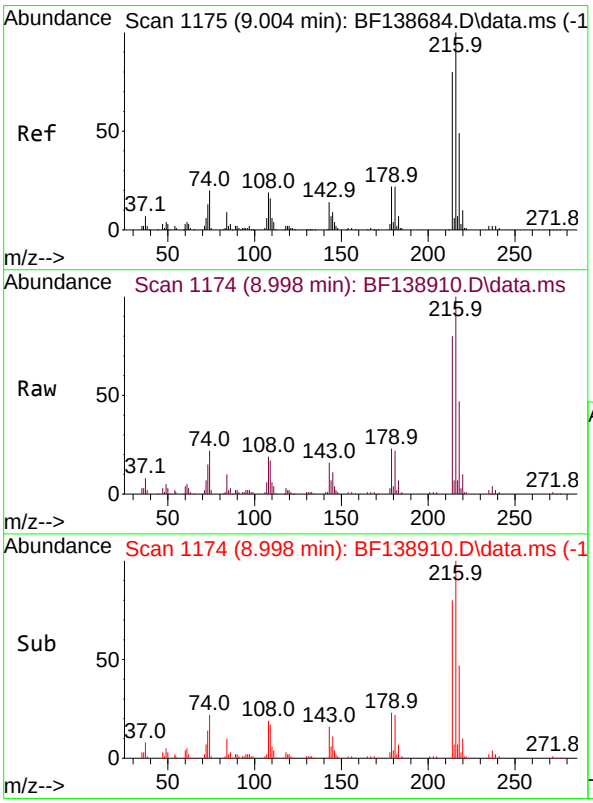
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:164 Resp: 78360

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.4	119.0
160	43.8	35.1	52.7

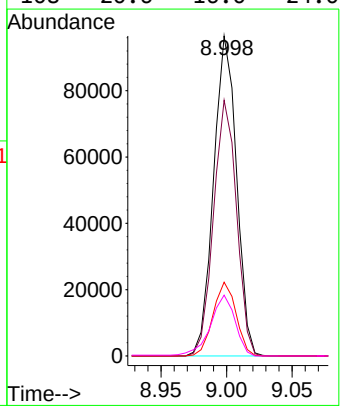


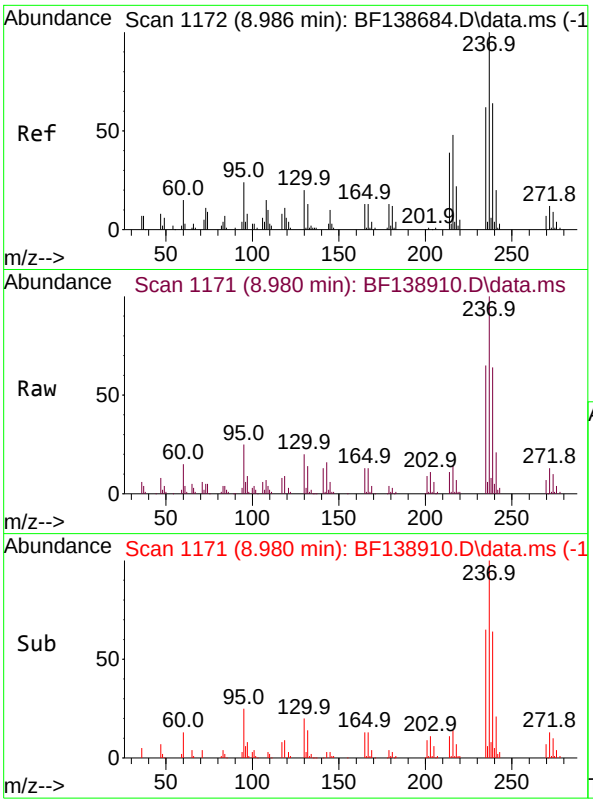


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.873 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:216 Resp: 117267

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.9	95.9
179	23.1	17.8	26.6
108	20.6	16.0	24.0



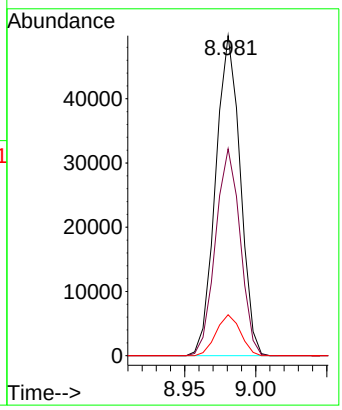


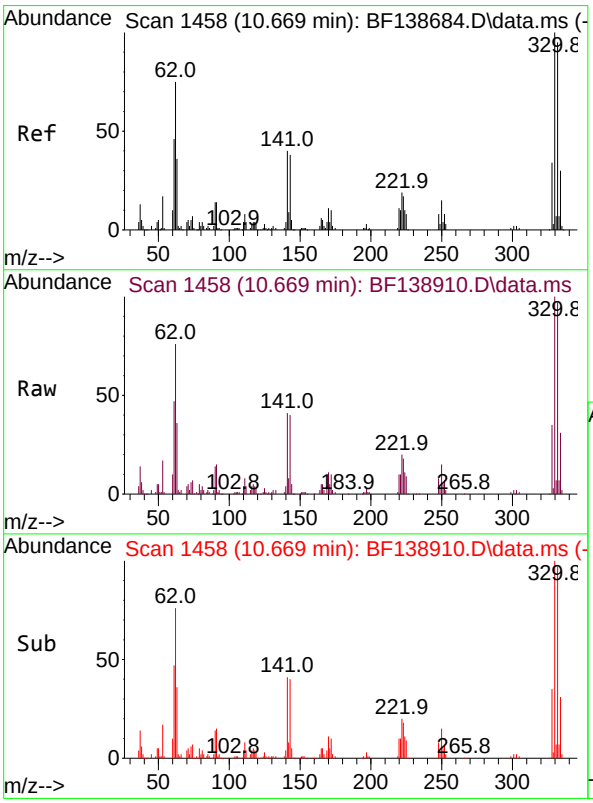
#41
Hexachlorocyclopentadiene
Concen: 101.915 ng
RT: 8.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:237 Resp: 59923

Ion	Ratio	Lower	Upper
237	100		
235	64.6	41.8	81.8
272	12.8	0.0	32.2

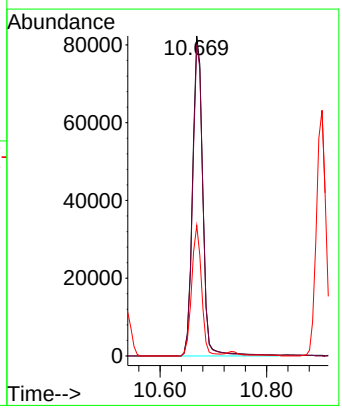


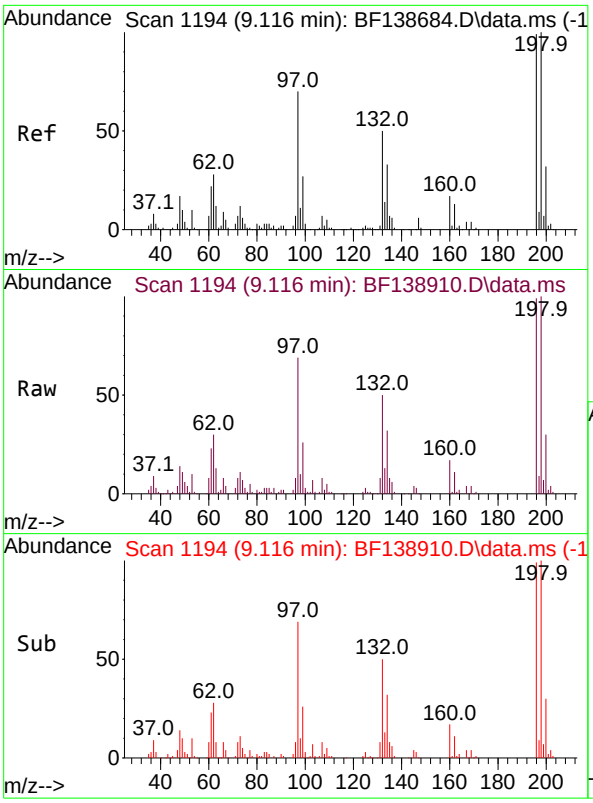


#42
2,4,6-Tribromophenol
Concen: 171.852 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:330 Resp: 110307

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.4	114.6
141	39.3	31.1	46.7



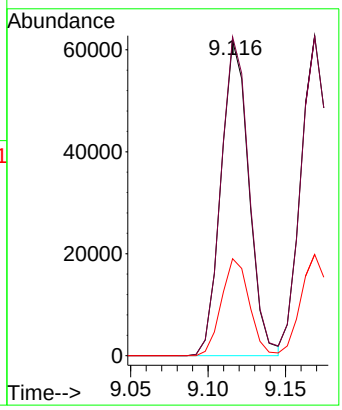


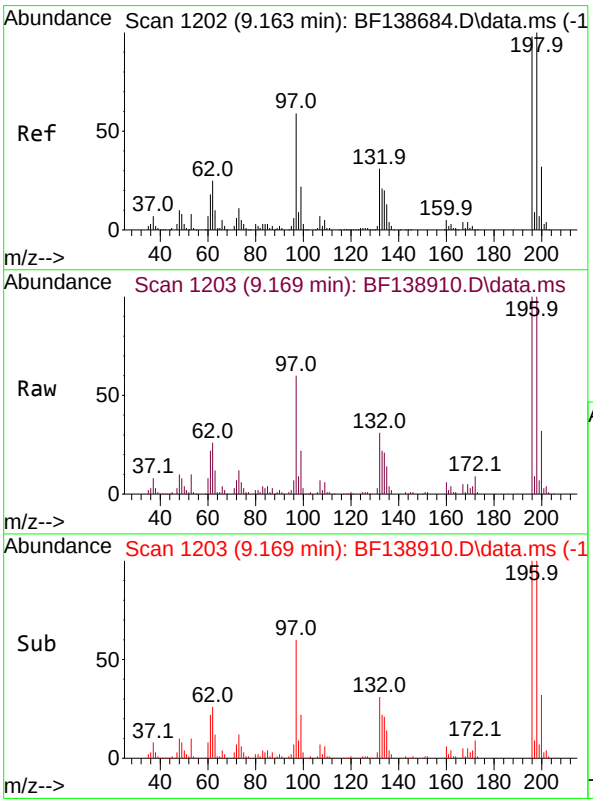
#43
2,4,6-Trichlorophenol
Concen: 58.240 ng
RT: 9.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:196 Resp: 77296

Ion	Ratio	Lower	Upper
196	100		
198	101.2	80.5	120.7
200	30.8	25.9	38.9

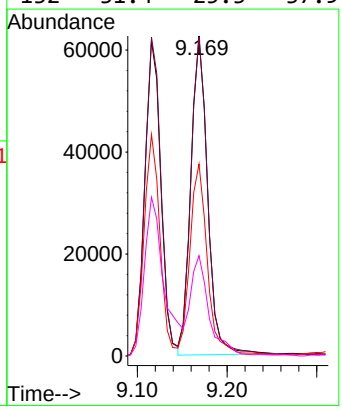


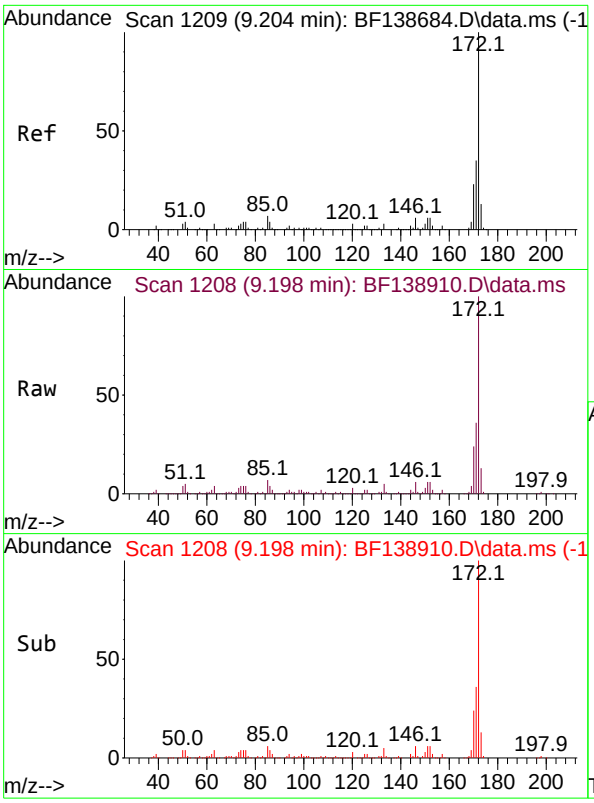


#44
2,4,5-Trichlorophenol
Concen: 55.941 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:196 Resp: 81165

Ion	Ratio	Lower	Upper
196	100		
198	99.7	81.2	121.8
97	60.0	47.8	71.6
132	31.4	25.3	37.9



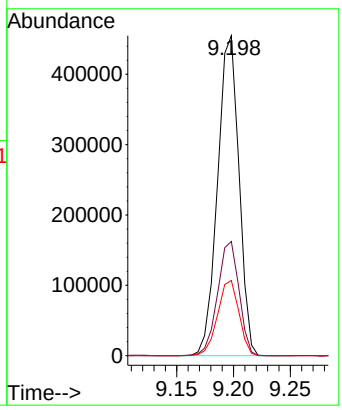


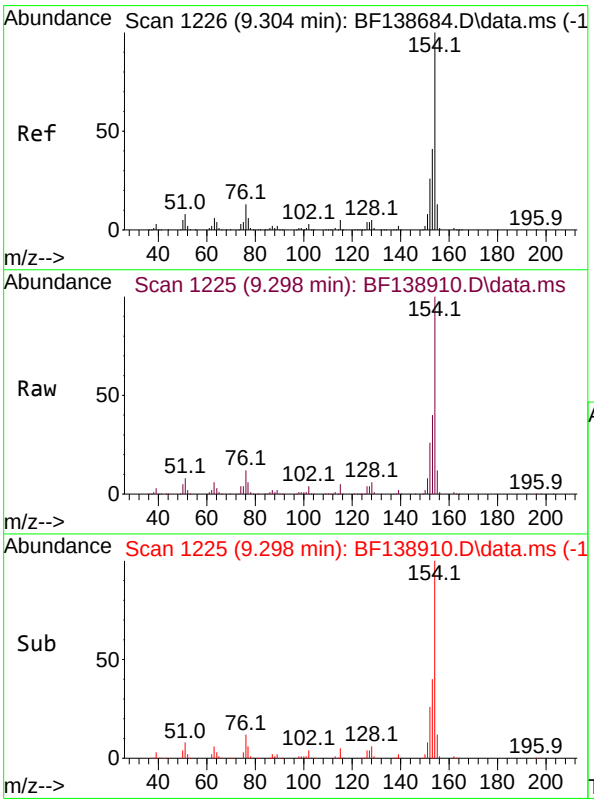
#45
2-Fluorobiphenyl
Concen: 114.355 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:172 Resp: 596395

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.5	18.8	28.2

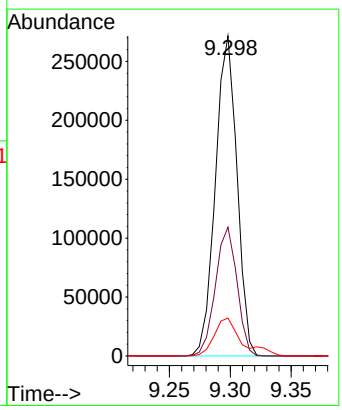


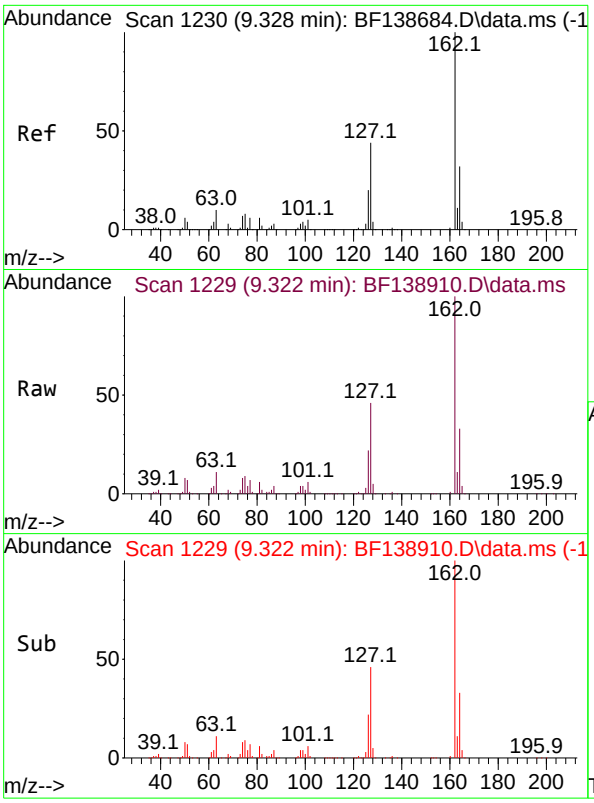


#46
1,1'-Biphenyl
Concen: 54.524 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:154 Resp: 334615

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.8	60.8
76	11.9	0.0	32.8



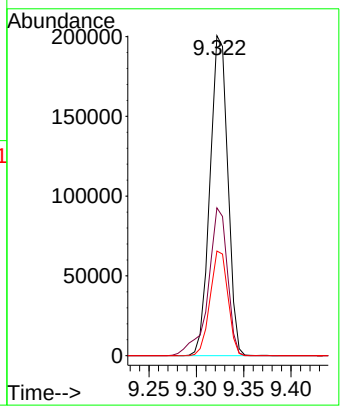


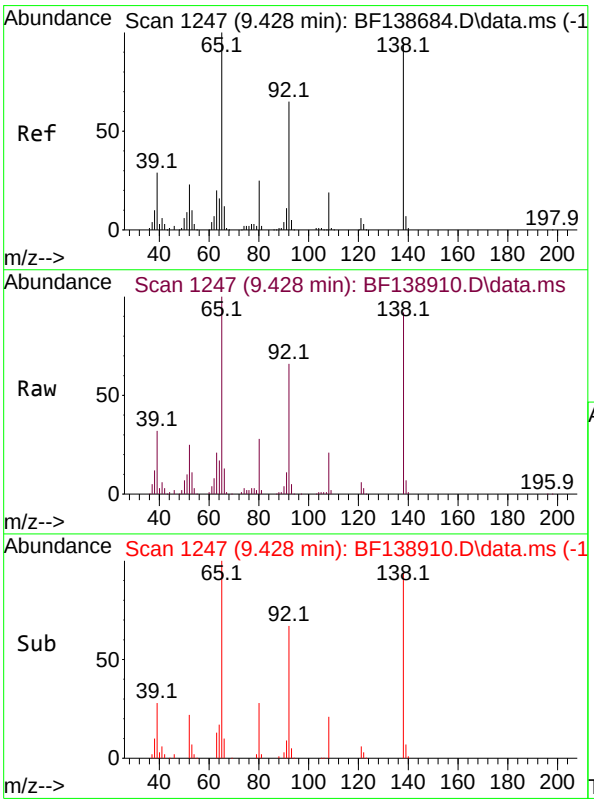
#47
2-Chloronaphthalene
Concen: 57.388 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:162 Resp: 261936

Ion	Ratio	Lower	Upper
162	100		
127	46.2	35.4	53.2
164	32.7	25.6	38.4

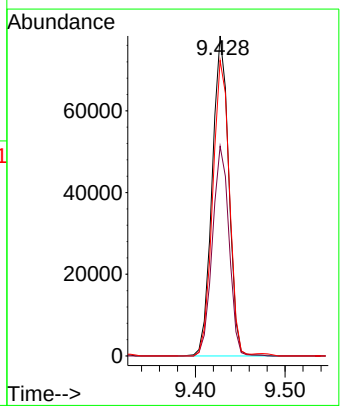


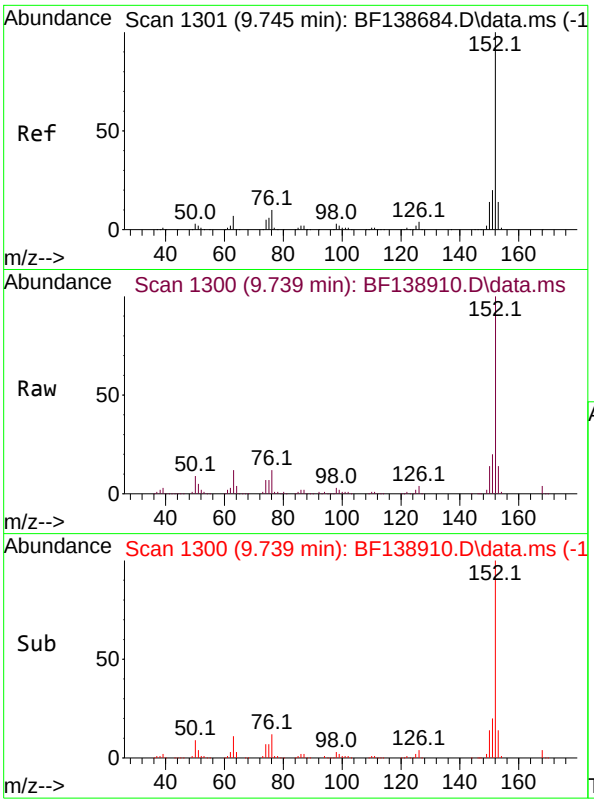


#48
2-Nitroaniline
Concen: 64.950 ng
RT: 9.428 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 65 Resp: 100500

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.0	78.0
138	92.4	76.2	114.4



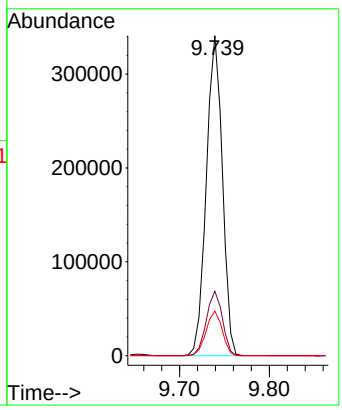


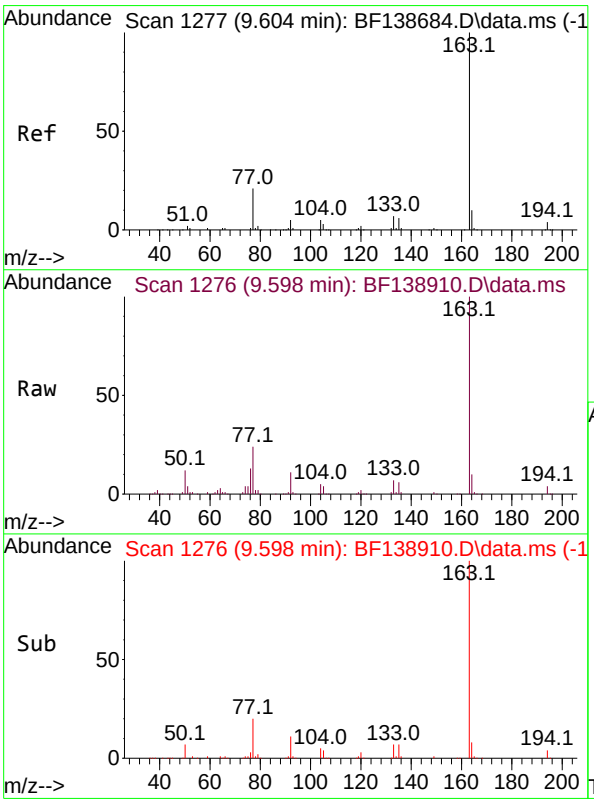
#49
Acenaphthylene
Concen: 65.385 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:152 Resp: 423271

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	14.0	11.0	16.4

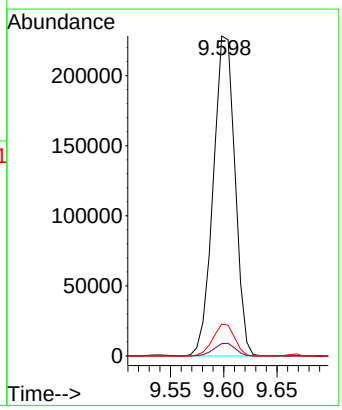


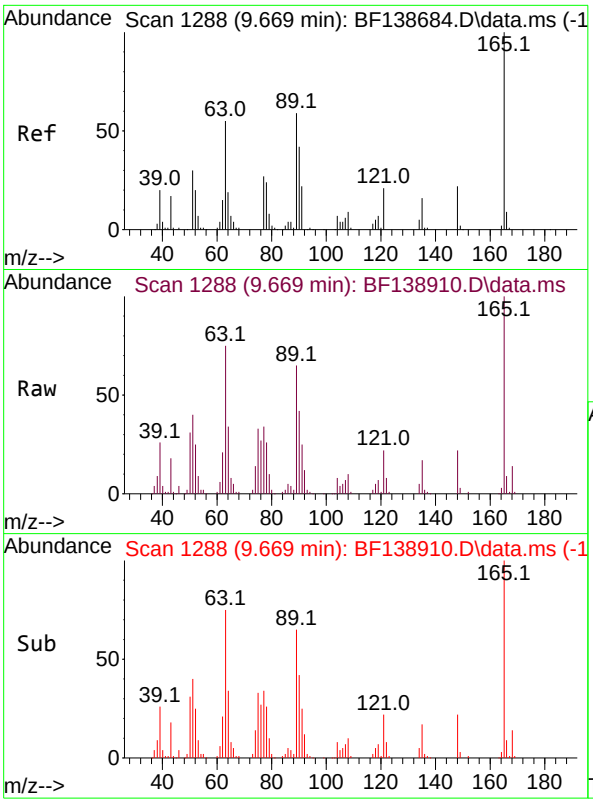


#50
Dimethylphthalate
Concen: 64.516 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:163 Resp: 323255

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.9	7.8	11.8



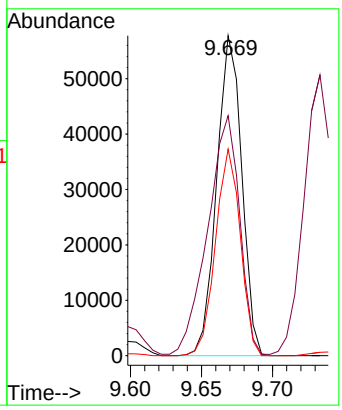


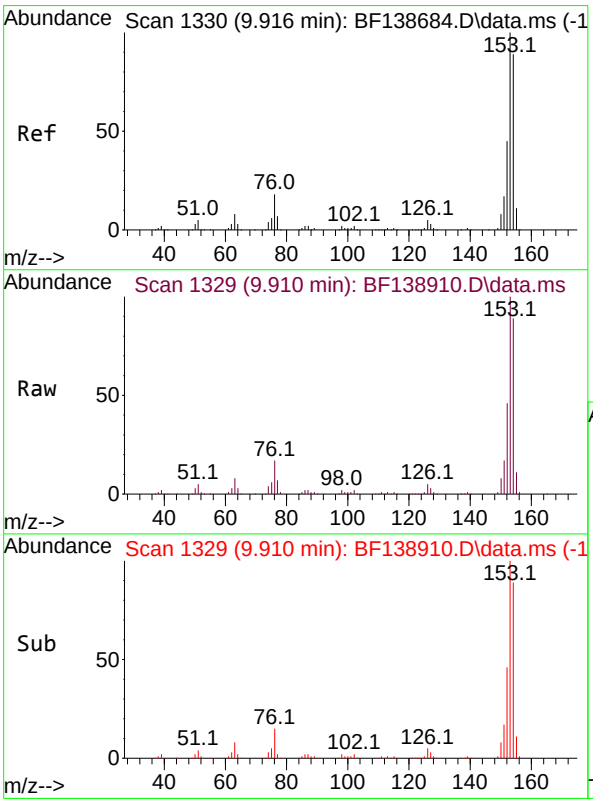
#51
2,6-Dinitrotoluene
Concen: 62.687 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:165 Resp: 70884

Ion	Ratio	Lower	Upper
165	100		
63	75.0	52.0	78.0
89	64.6	47.0	70.6

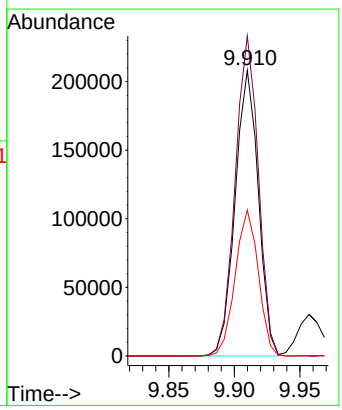


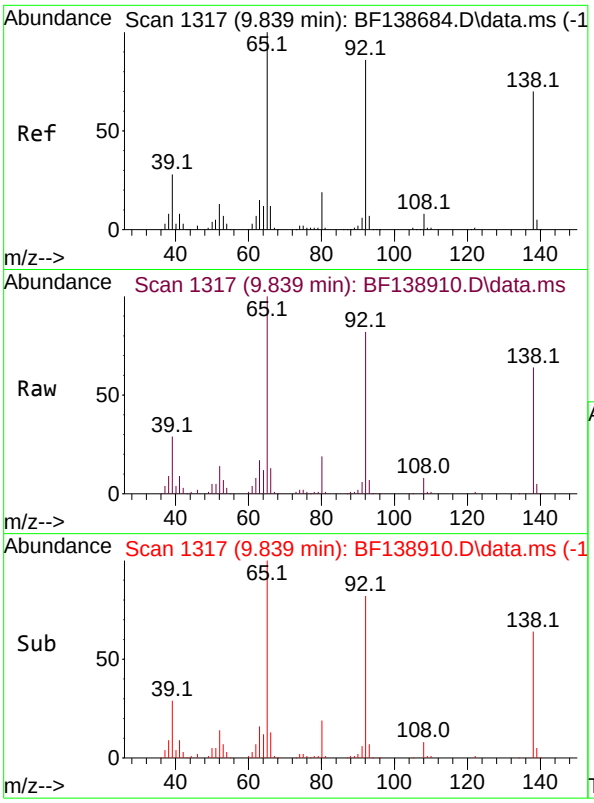


#52
Acenaphthene
Concen: 58.978 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:154 Resp: 256650

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.9	134.9
152	51.1	40.6	60.8



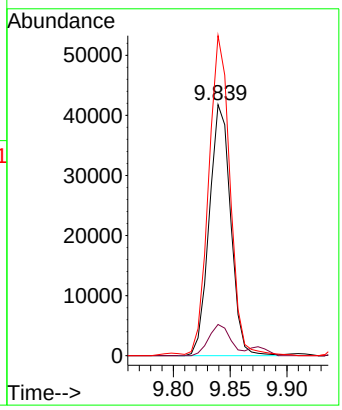


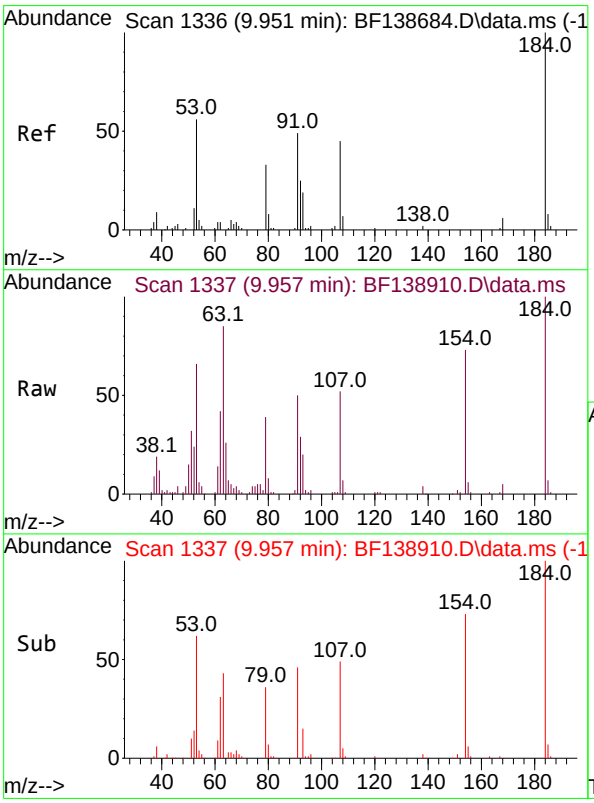
#53
3-Nitroaniline
Concen: 46.863 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:138 Resp: 54781

Ion	Ratio	Lower	Upper
138	100		
108	12.5	9.1	13.7
92	127.5	98.7	148.1

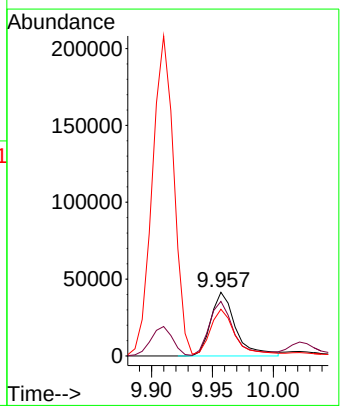


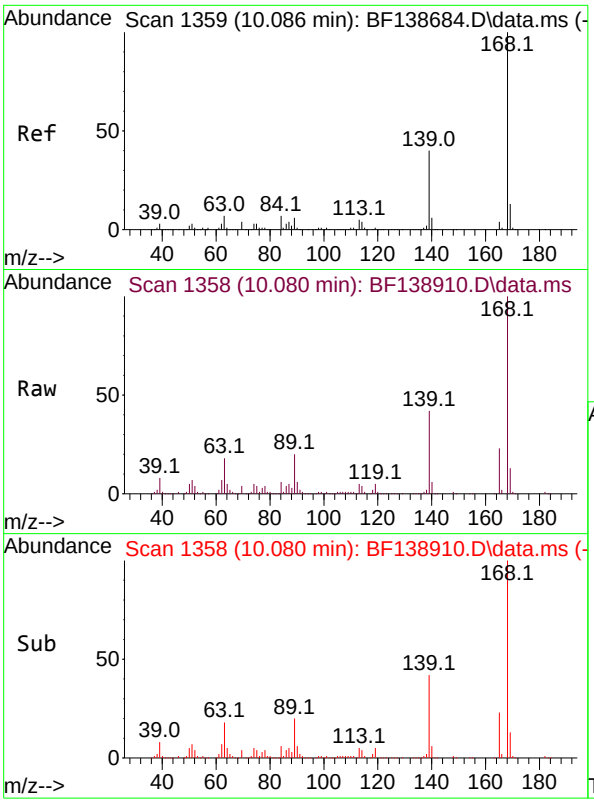


#54
2,4-Dinitrophenol
Concen: 113.191 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:184 Resp: 58919

Ion	Ratio	Lower	Upper
184	100		
63	85.5	57.5	86.3
154	73.2	51.7	77.5



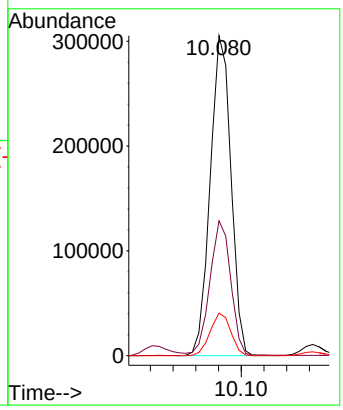


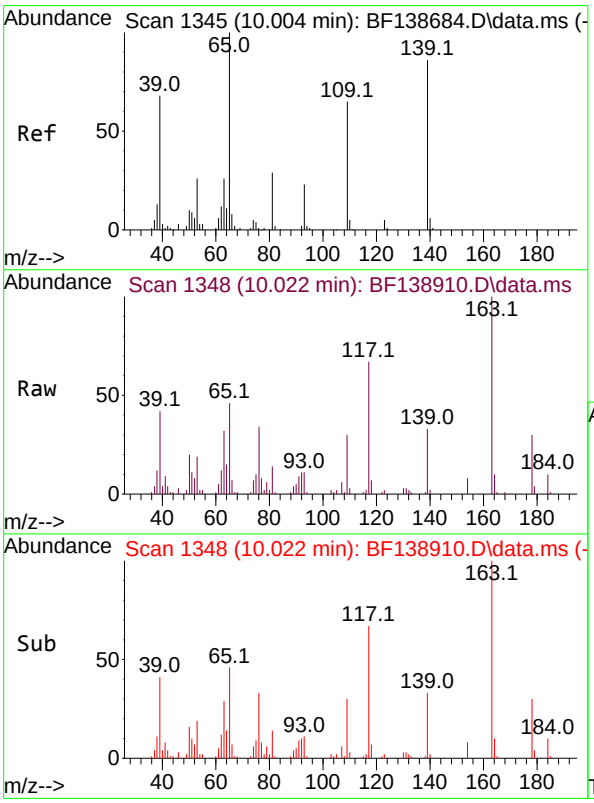
#55
Dibenzofuran
Concen: 63.106 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:168 Resp: 387646

Ion	Ratio	Lower	Upper
168	100		
139	42.1	32.6	49.0
169	13.3	10.7	16.1

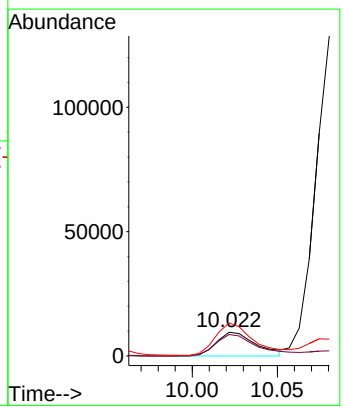


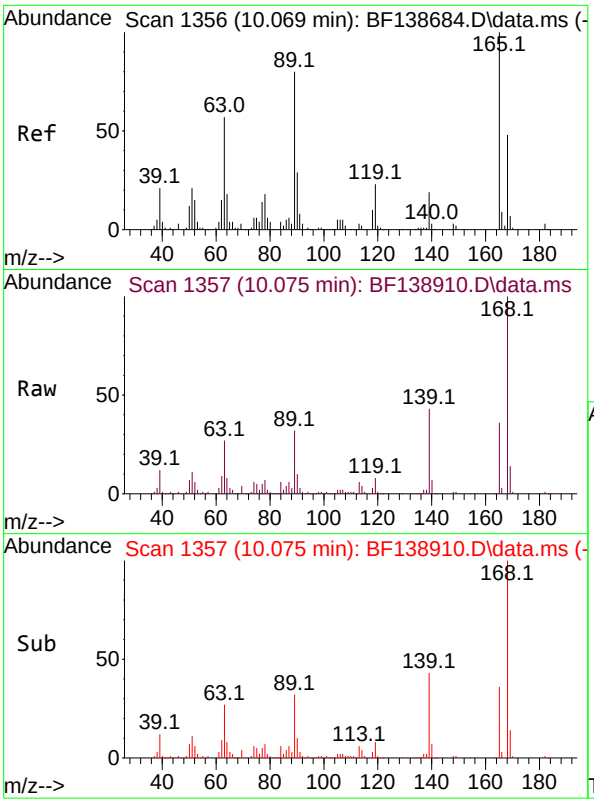


#56
4-Nitrophenol
Concen: 21.844 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:139 Resp: 15355

Ion	Ratio	Lower	Upper
139	100		
109	90.7	55.5	95.5
65	139.1	96.7	136.7#



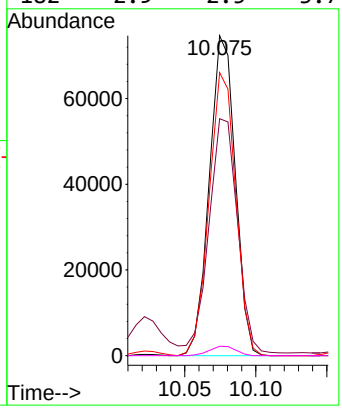


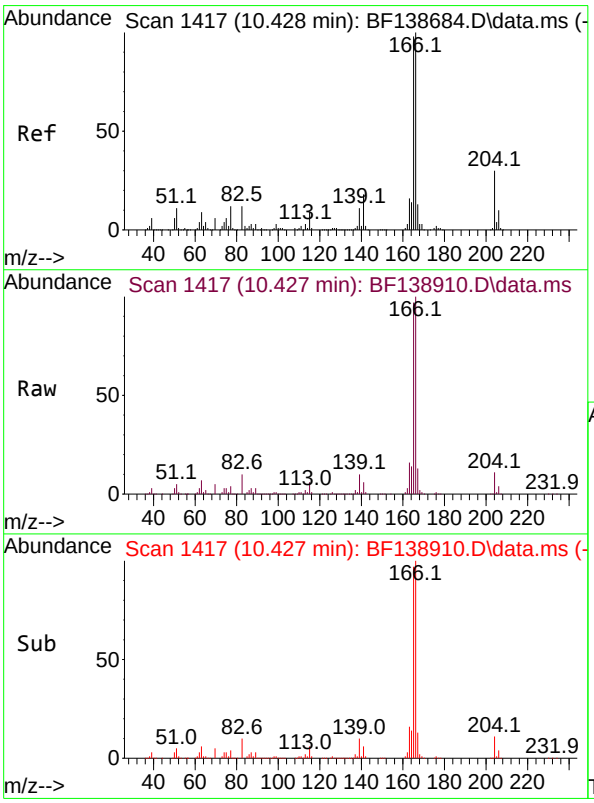
#57
2,4-Dinitrotoluene
Concen: 65.795 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:165 Resp: 94920

Ion	Ratio	Lower	Upper
165	100		
63	74.1	46.3	69.5#
89	88.5	64.2	96.4
182	2.9	2.5	3.7

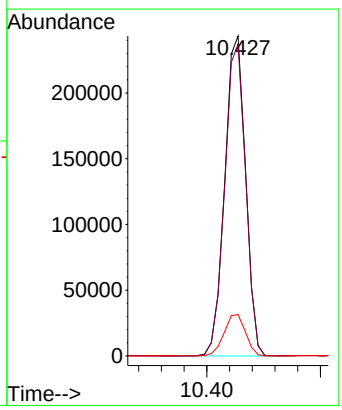


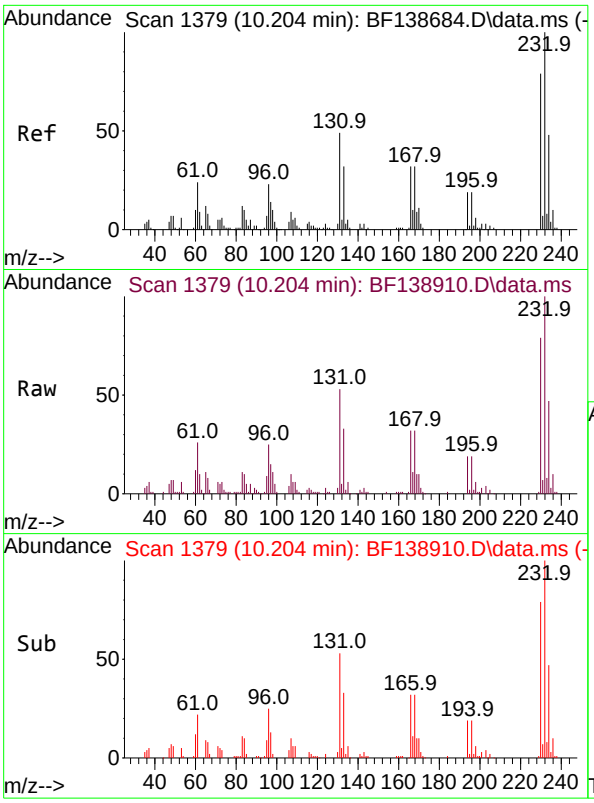


#58
Fluorene
Concen: 63.481 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:166 Resp: 310531

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.4	117.6
167	13.0	10.6	16.0



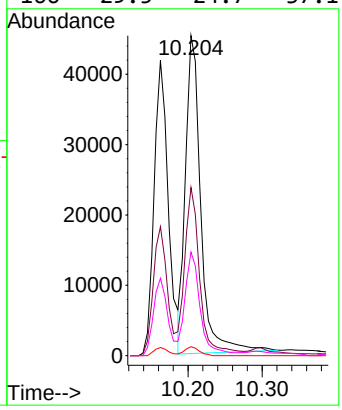


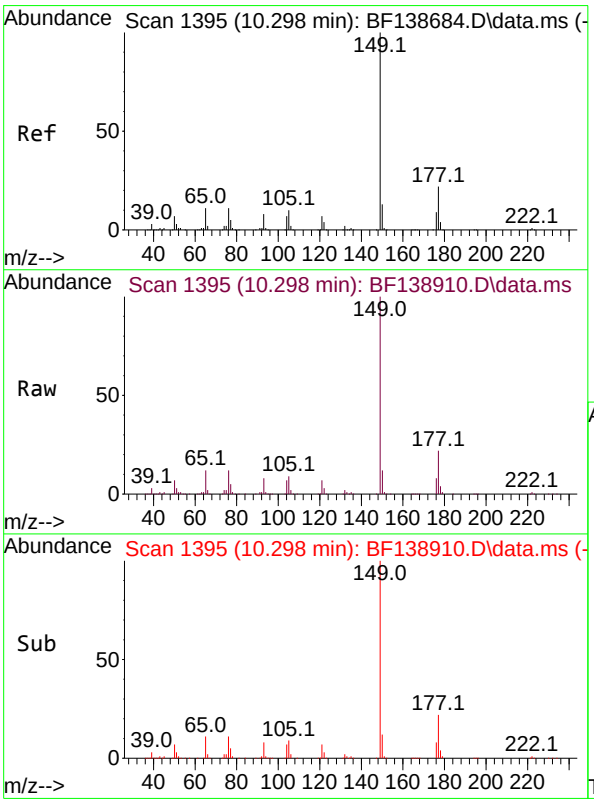
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.016 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:232 Resp: 65463

Ion	Ratio	Lower	Upper
232	100		
131	52.6	37.0	55.4
130	2.6	2.0	3.0
166	29.5	24.7	37.1

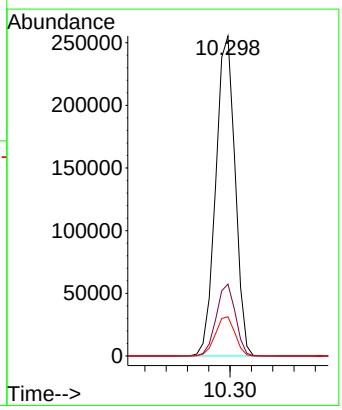


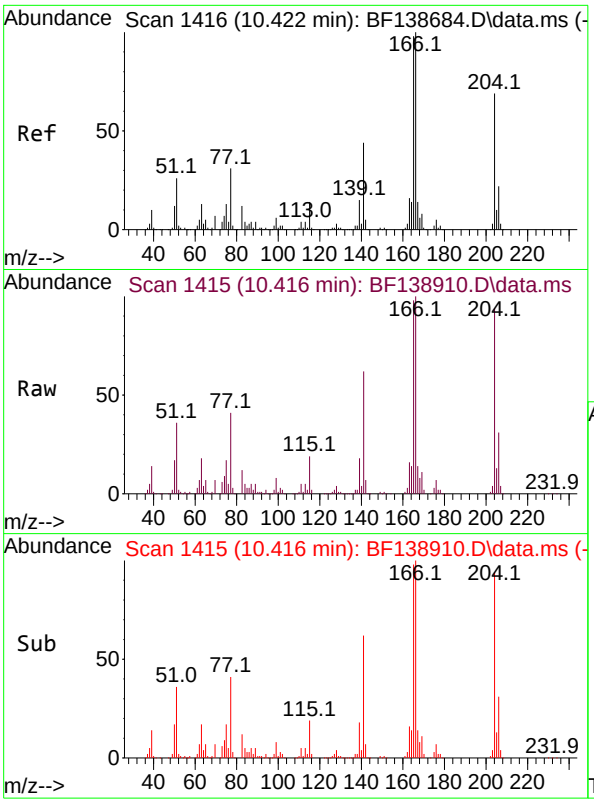


#60
Diethylphthalate
Concen: 67.654 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:149 Resp: 321410

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.8	26.8
150	12.3	10.1	15.1



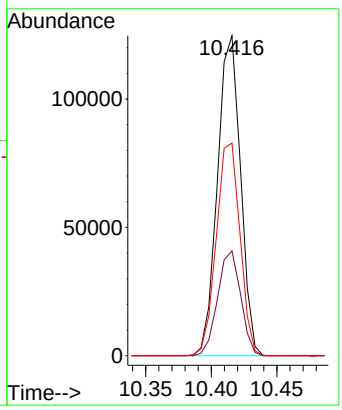


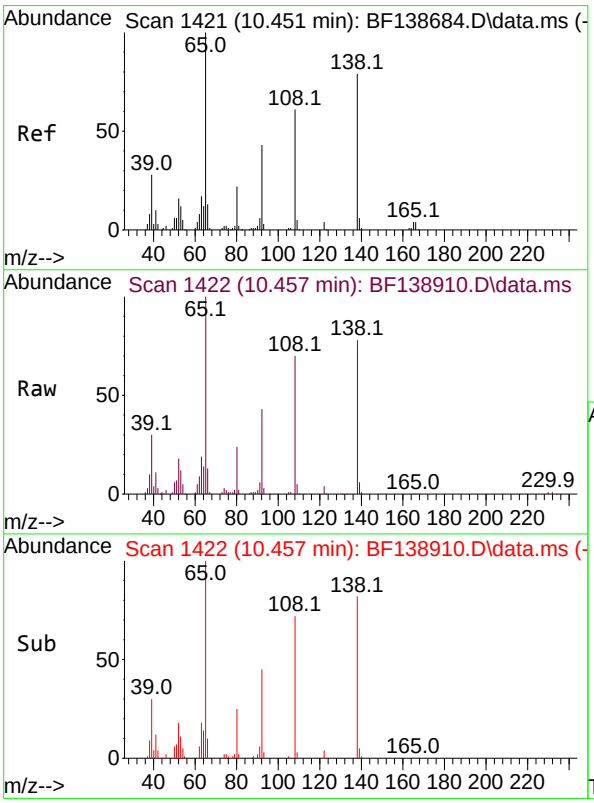
#61
4-Chlorophenyl-phenylether
Concen: 63.393 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:204 Resp: 152513

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.1	39.1
141	66.4	51.4	77.0

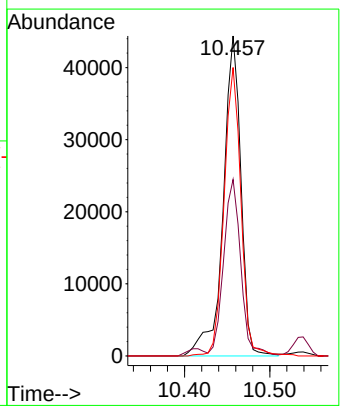


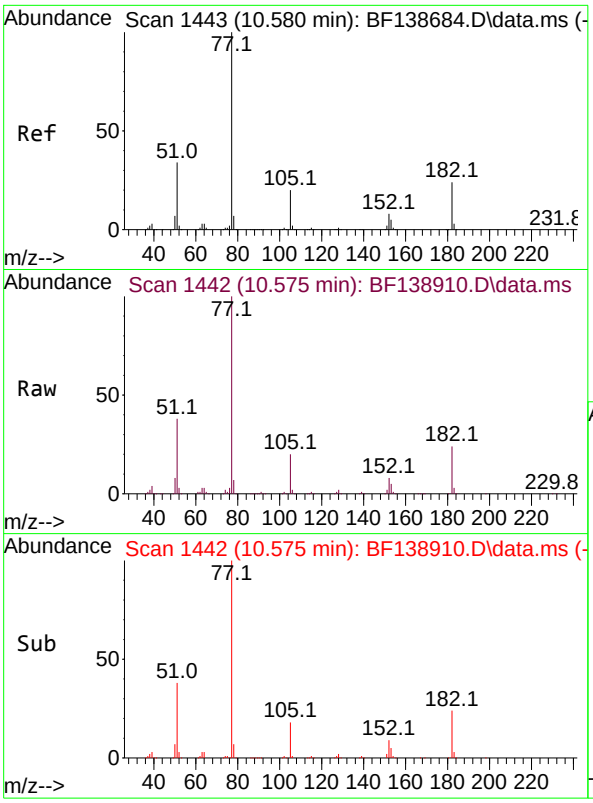


#62
4-Nitroaniline
Concen: 57.835 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:138 Resp: 64247

Ion	Ratio	Lower	Upper
138	100		
92	55.1	34.2	74.2
108	90.2	56.2	96.2



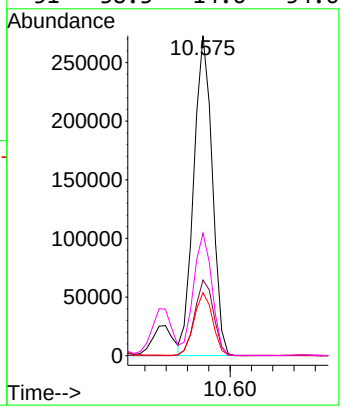


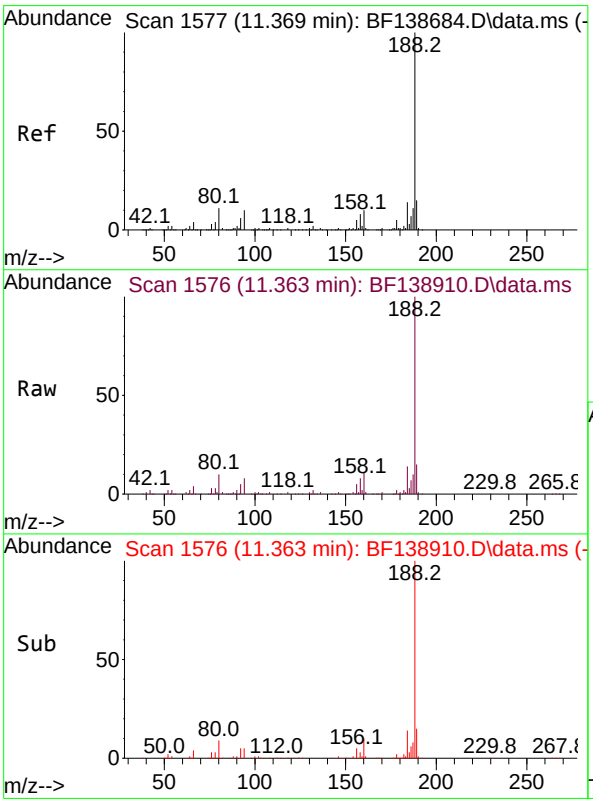
#63
Azobenzene
Concen: 62.596 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion: 77 Resp: 329824

Ion	Ratio	Lower	Upper
77	100		
182	23.7	3.4	43.4
105	19.7	0.2	40.2
51	38.3	14.6	54.6

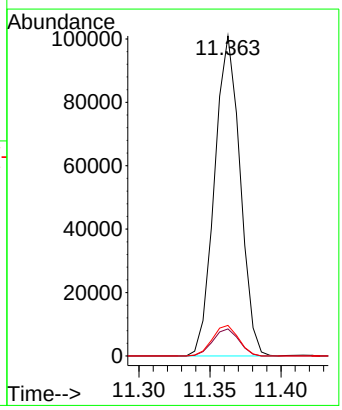


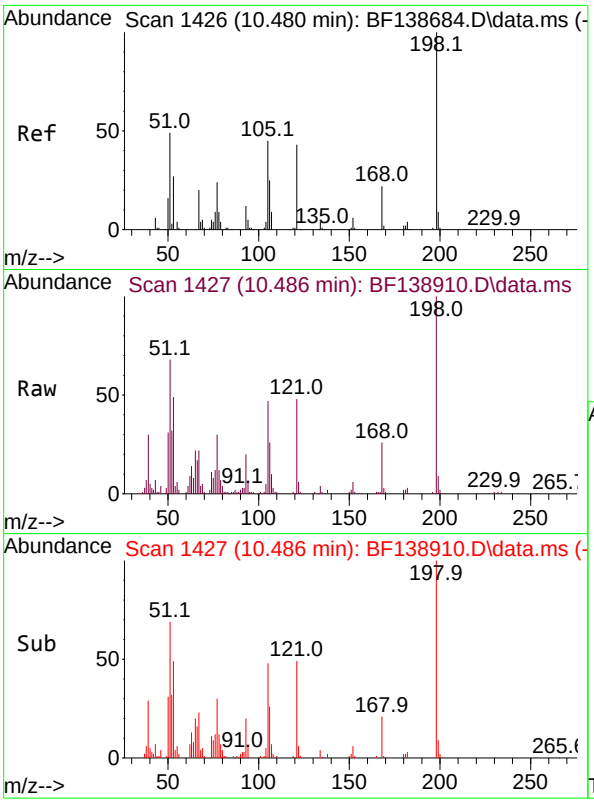


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:188 Resp: 126223

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.6	11.4
80	9.6	8.6	12.8



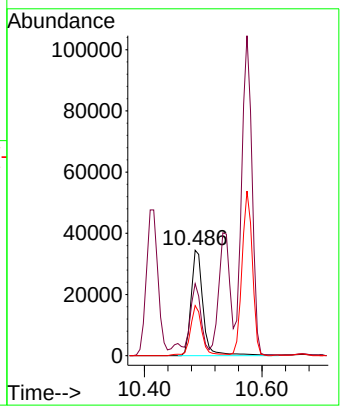


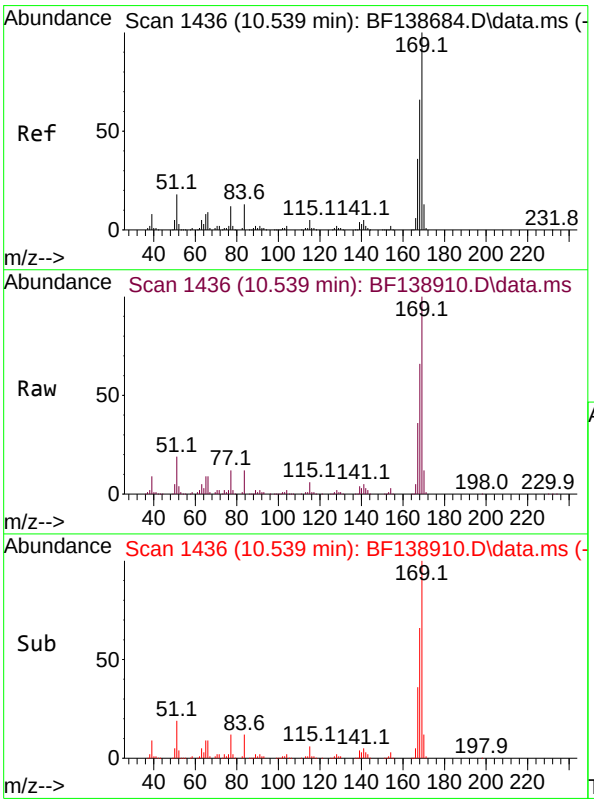
#65
4,6-Dinitro-2-methylphenol
Concen: 63.607 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:198 Resp: 48982

Ion	Ratio	Lower	Upper
198	100		
51	68.3	39.9	79.9
105	47.5	26.1	66.1

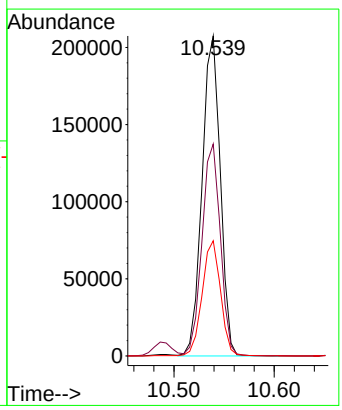


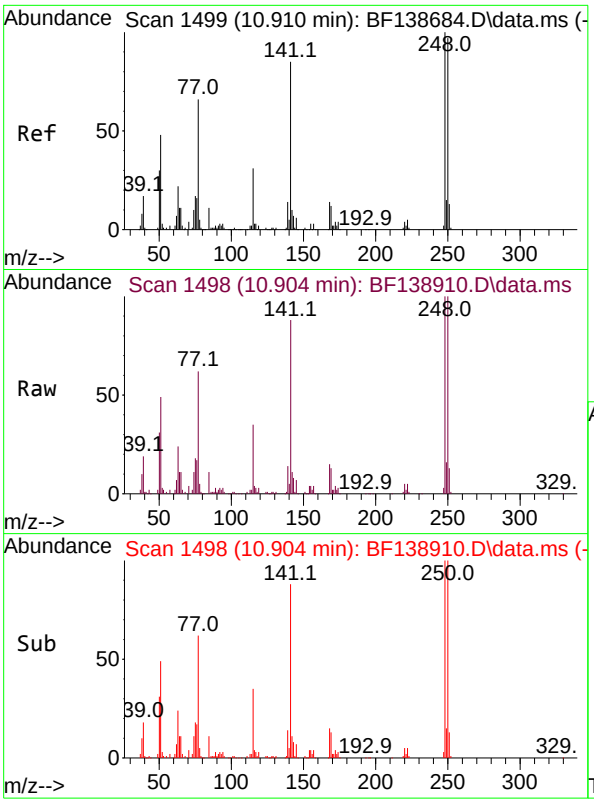


#66
n-Nitrosodiphenylamine
Concen: 66.578 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:169 Resp: 262682

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.0	29.0	43.6



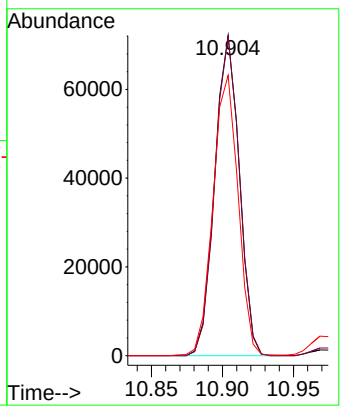


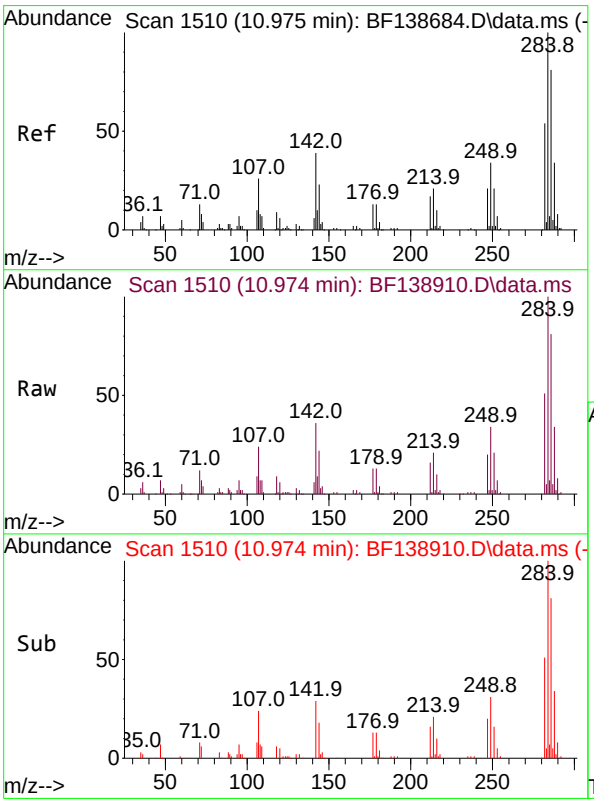
#67
4-Bromophenyl-phenylether
Concen: 63.391 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:248 Resp: 86630

Ion	Ratio	Lower	Upper
248	100		
250	99.7	77.7	116.5
141	87.6	68.0	102.0

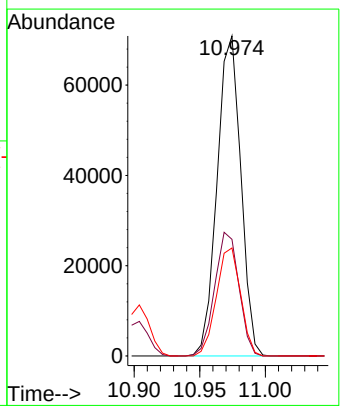


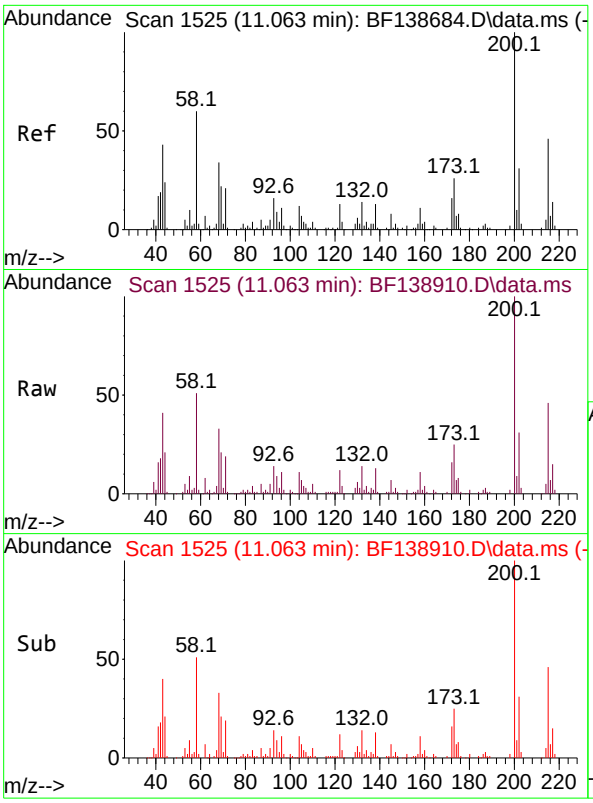


#68
Hexachlorobenzene
Concen: 63.102 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:284 Resp: 89039

Ion	Ratio	Lower	Upper
284	100		
142	36.4	31.3	46.9
249	33.8	27.2	40.8



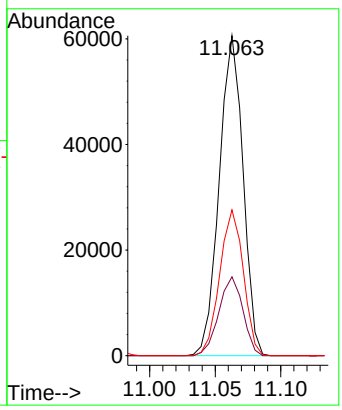


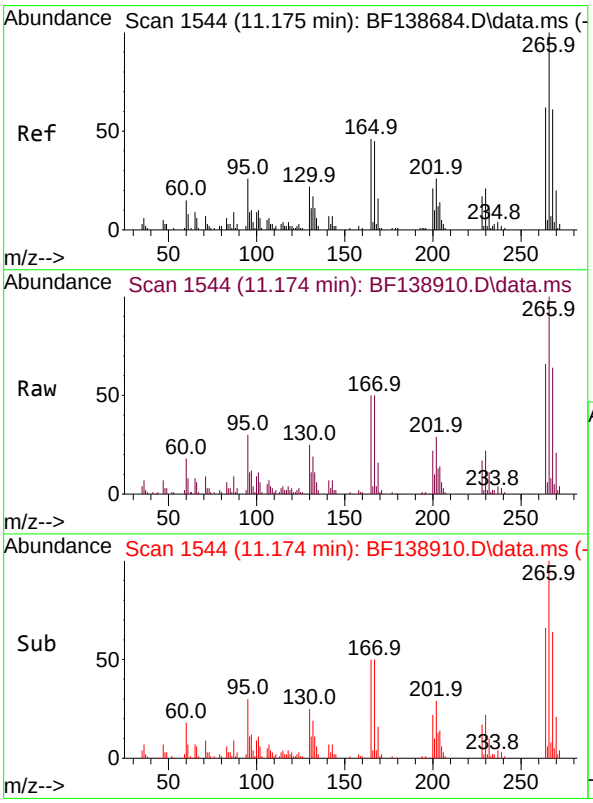
#69
Atrazine
Concen: 75.036 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:200 Resp: 76382

Ion	Ratio	Lower	Upper
200	100		
173	24.7	6.0	46.0
215	45.6	26.1	66.1

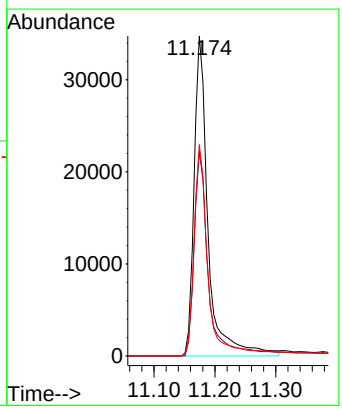


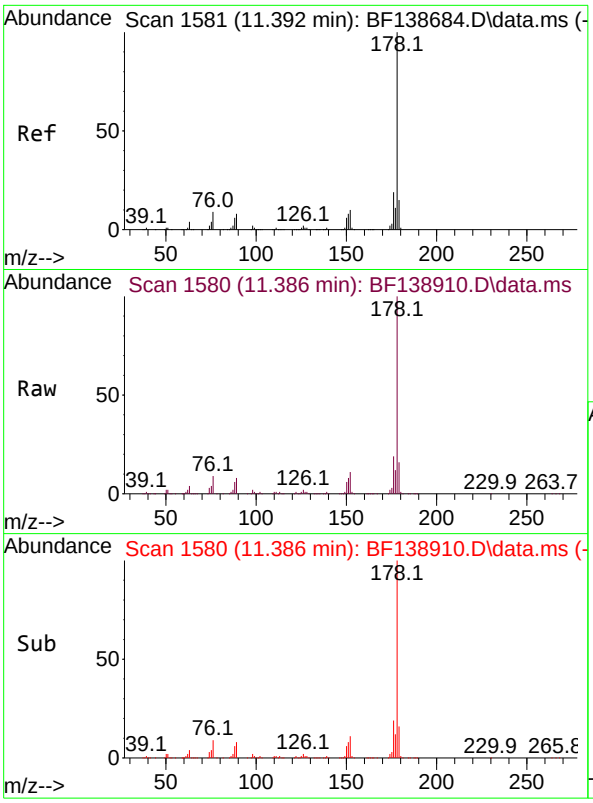


#70
Pentachlorophenol
Concen: 87.392 ng
RT: 11.174 min Scan# 1544
Delta R.T. -0.001 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:266 Resp: 55582

Ion	Ratio	Lower	Upper
266	100		
268	64.0	49.2	73.8
264	66.0	49.8	74.6



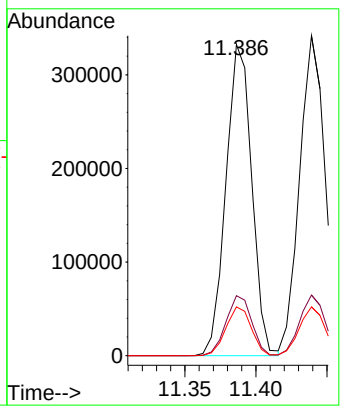


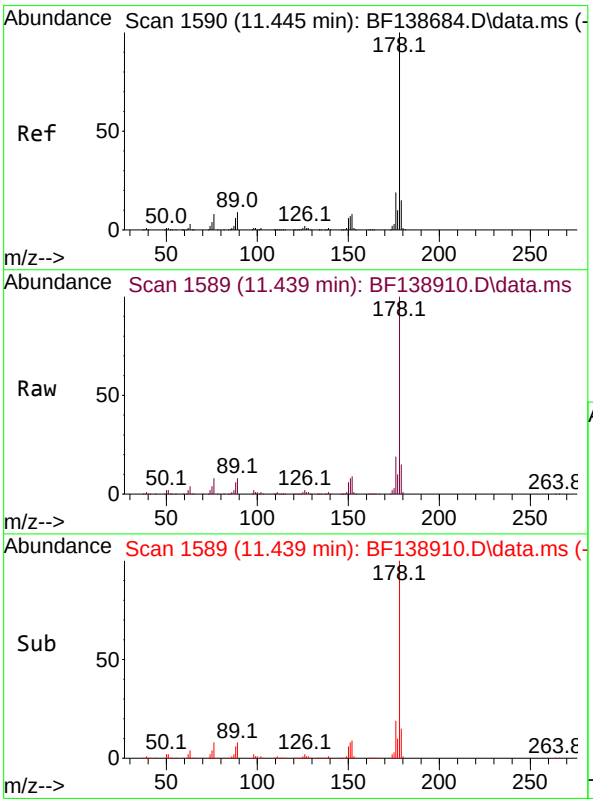
#71
Phenanthrene
Concen: 64.693 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:178 Resp: 420471

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.7	12.2	18.2

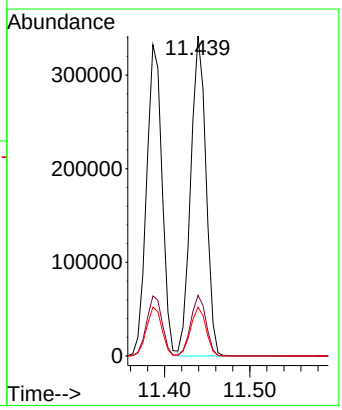


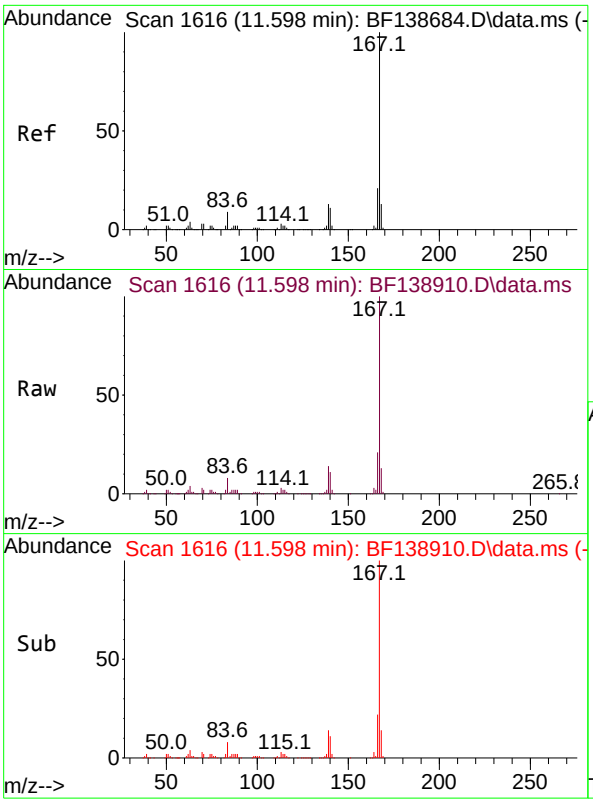


#72
Anthracene
Concen: 66.329 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:178 Resp: 424700

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.3	12.4	18.6



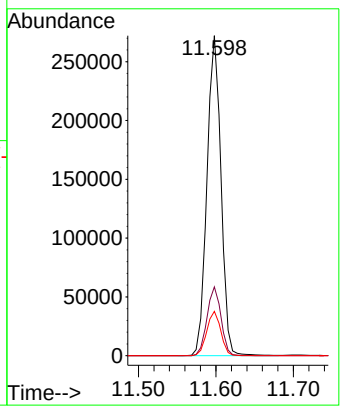


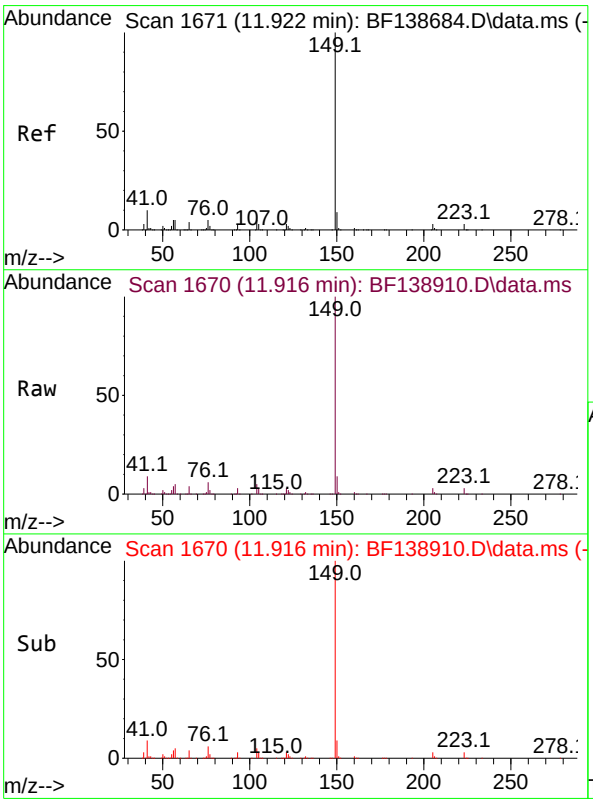
#73
Carbazole
Concen: 61.793 ng
RT: 11.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:167 Resp: 341348

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.8	10.6	16.0

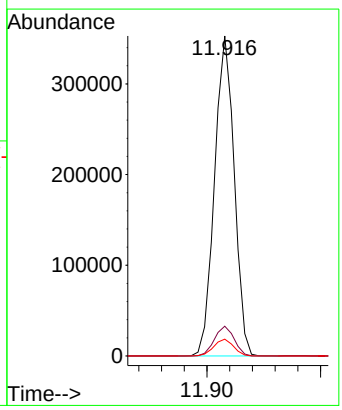


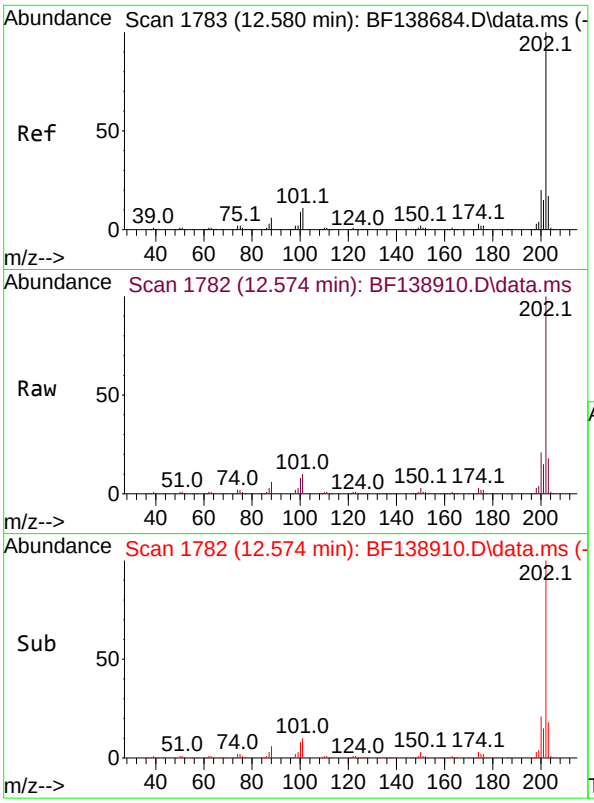


#74
Di-n-butylphthalate
Concen: 68.422 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:149 Resp: 424896

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.3	4.1	6.1



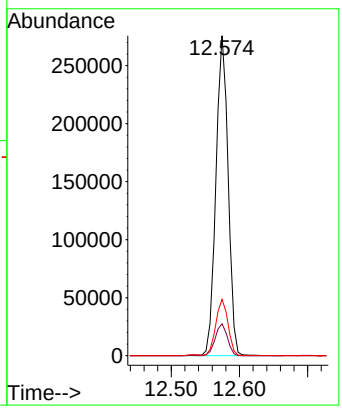


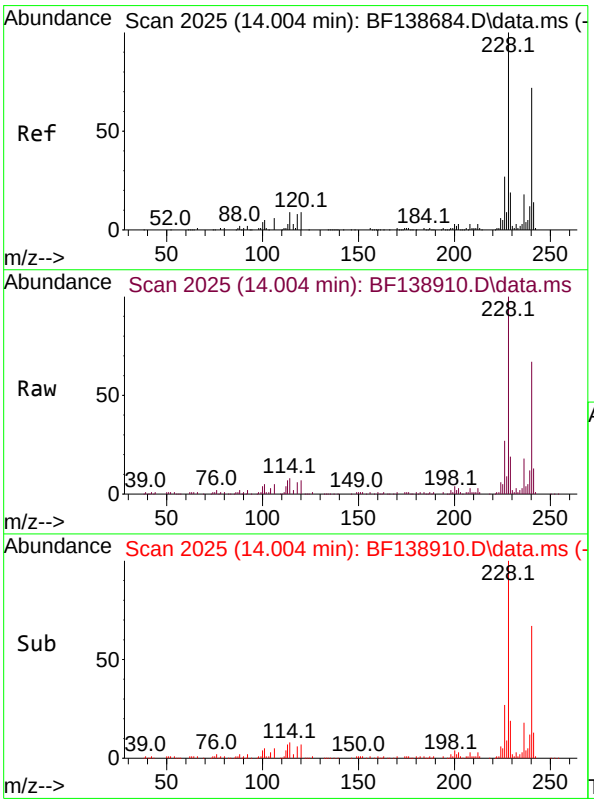
#75
Fluoranthene
Concen: 56.683 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:202 Resp: 343933

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.2
203	17.6	0.0	37.3

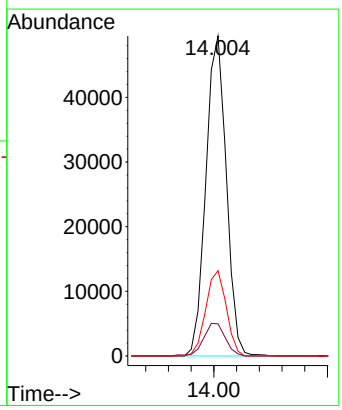


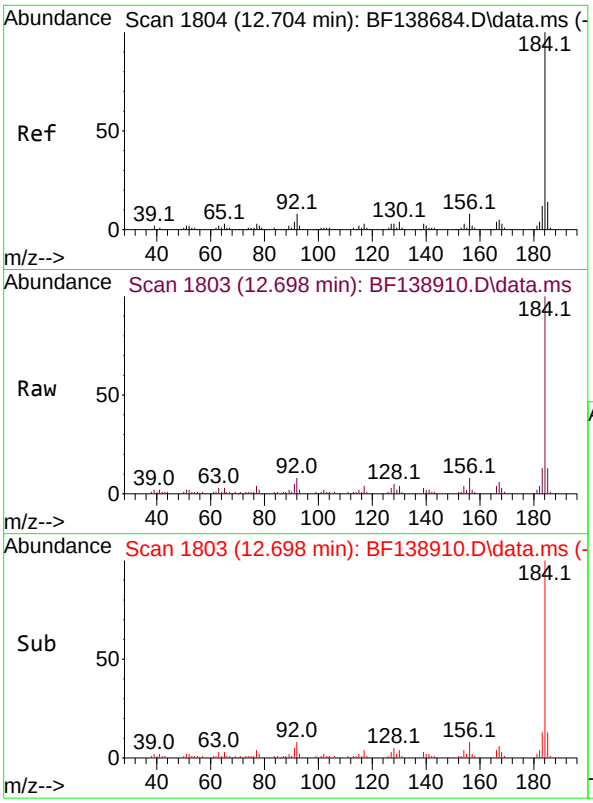


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:240 Resp: 61844

Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.2	15.4#
236	26.6	19.8	29.8



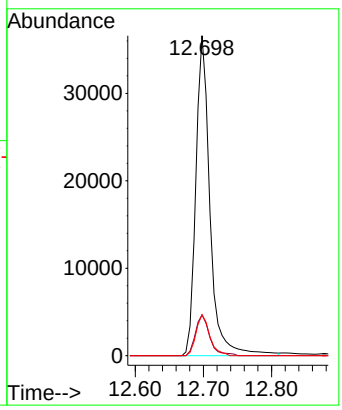


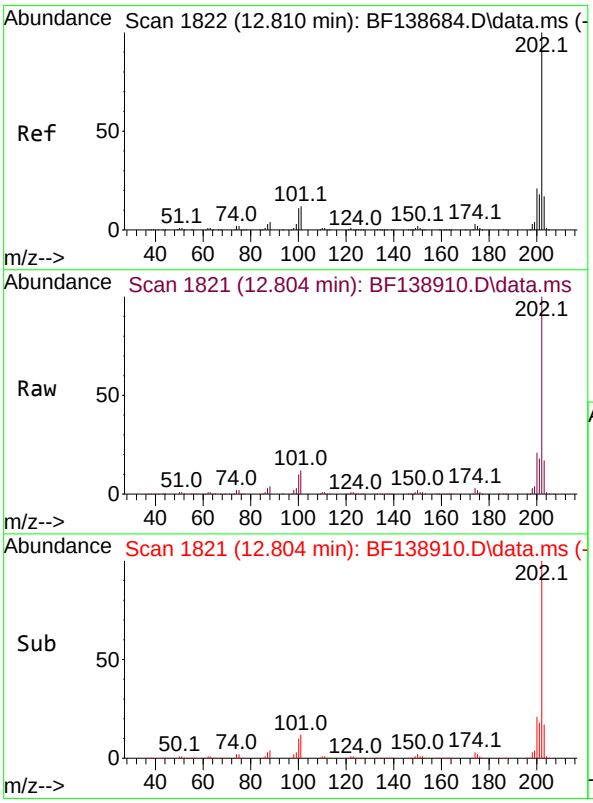
#77
Benzidine
Concen: 35.805 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:184 Resp: 52963

Ion	Ratio	Lower	Upper
184	100		
185	12.8	11.1	16.7
183	12.8	9.6	14.4

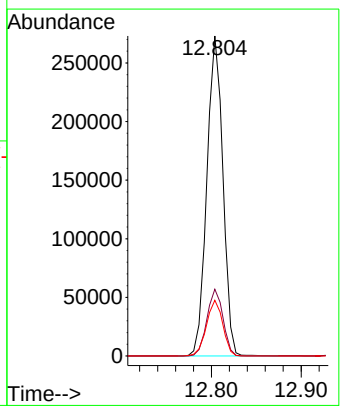


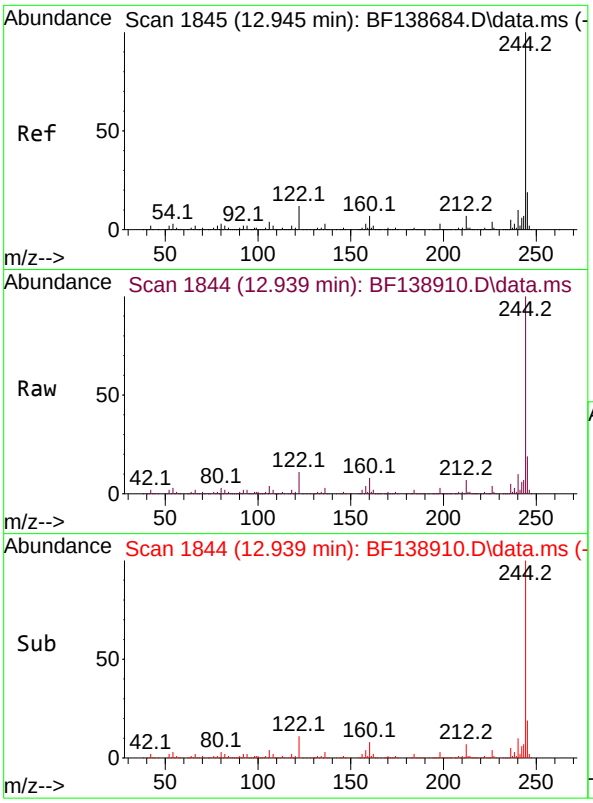


#78
Pyrene
Concen: 58.224 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:202 Resp: 339029

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.4	13.8	20.6



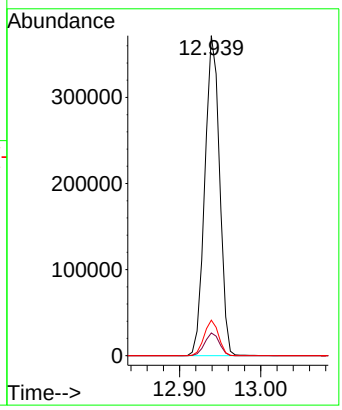


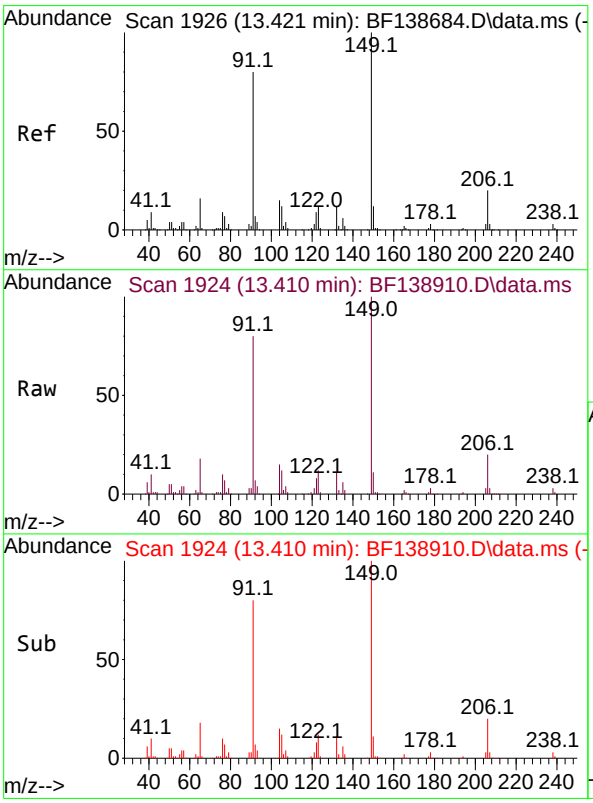
#79
Terphenyl-d14
Concen: 126.516 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:244 Resp: 467324

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.1	9.6	14.4

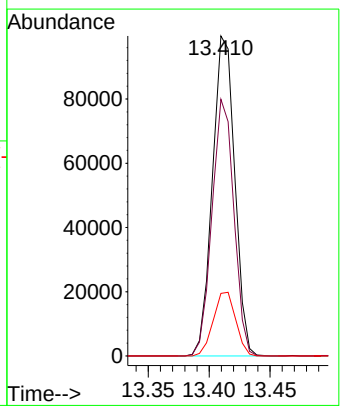


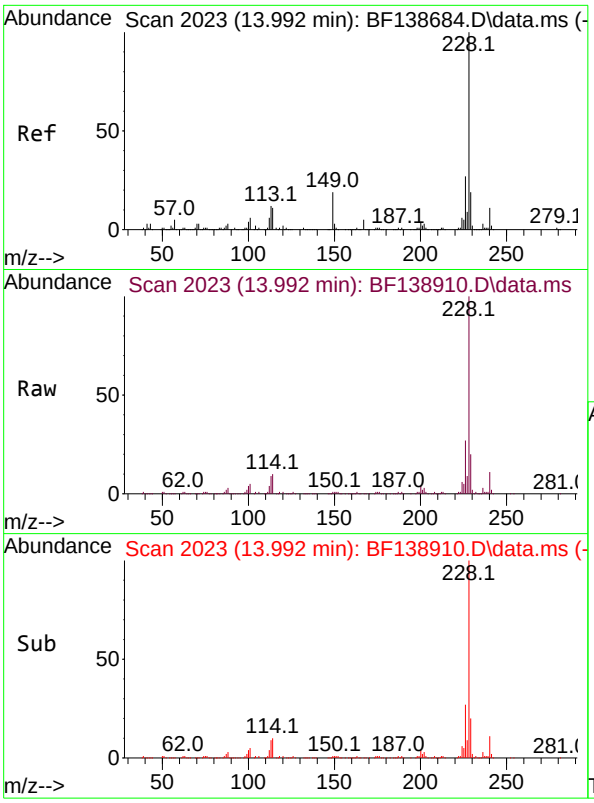


#80
Butylbenzylphthalate
Concen: 68.209 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:149 Resp: 127185

Ion	Ratio	Lower	Upper
149	100		
91	80.2	63.7	95.5
206	19.6	16.2	24.2



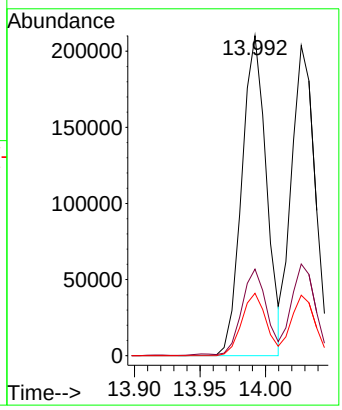


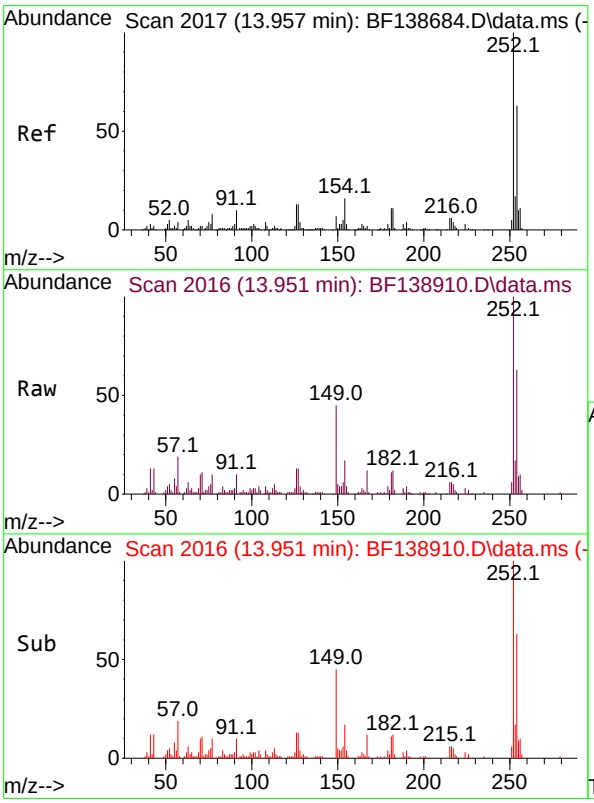
#81
Benzo(a)anthracene
Concen: 64.561 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:228 Resp: 274945

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.5	15.4	23.0

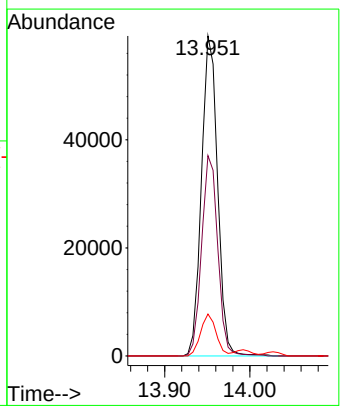


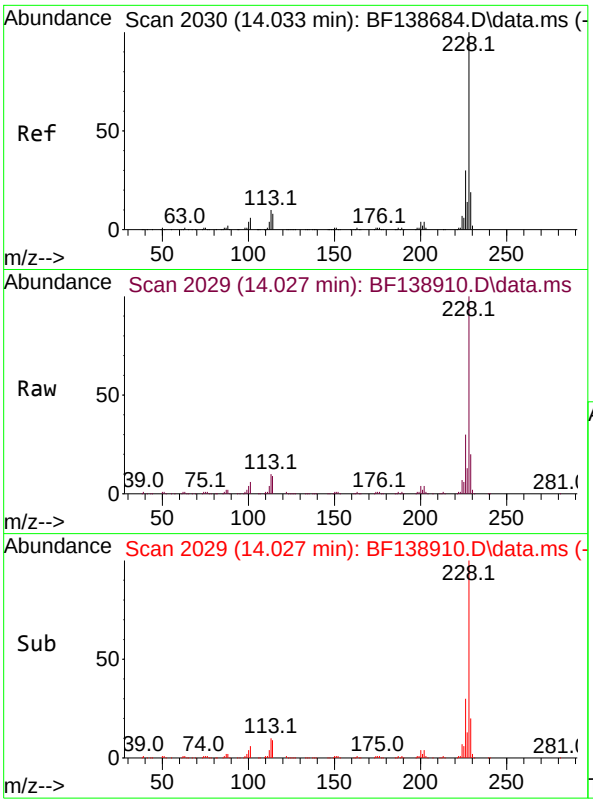


#82
3,3'-Dichlorobenzidine
Concen: 71.374 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:252 Resp: 77785

Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.8	76.2
126	13.1	10.2	15.2



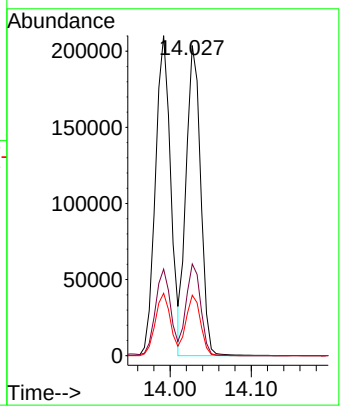


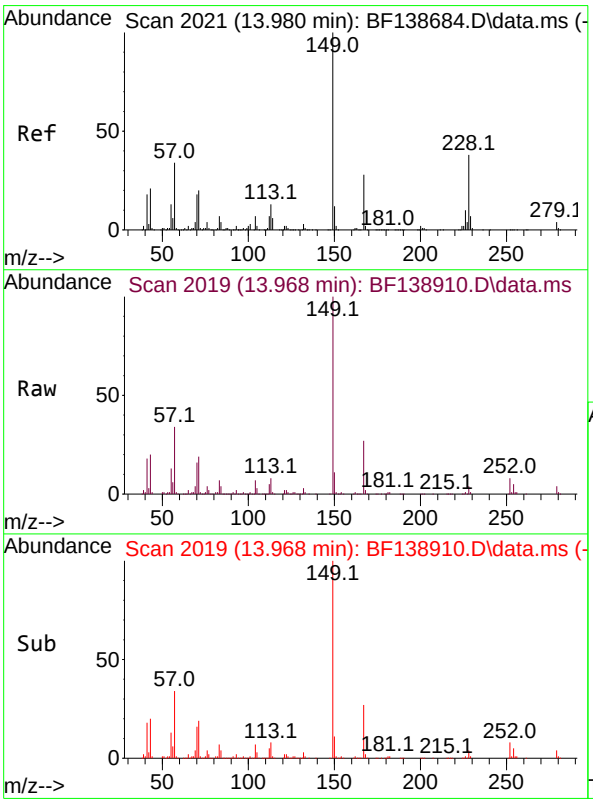
#83
Chrysene
Concen: 66.240 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:228 Resp: 254507

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	19.5	15.0	22.6

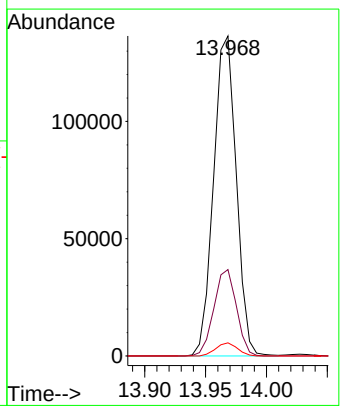


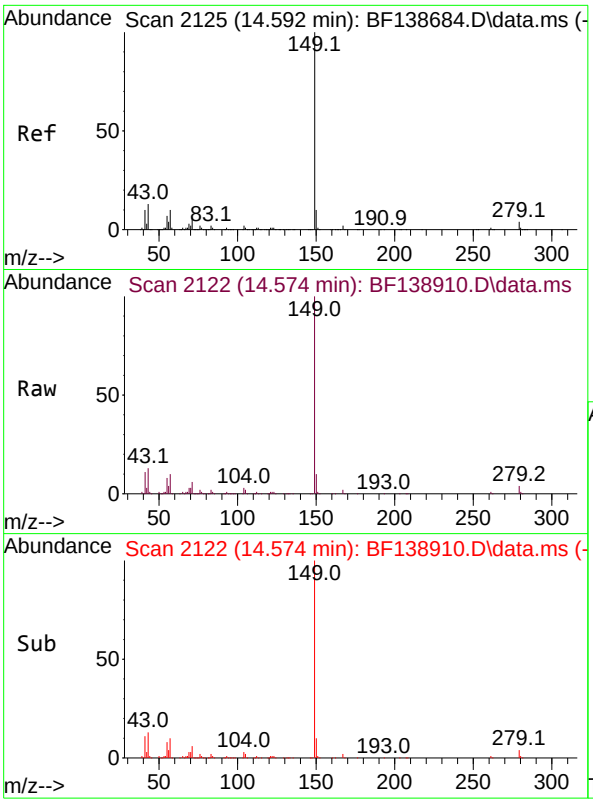


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.952 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:149 Resp: 177348

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.4
279	4.1	3.4	5.0



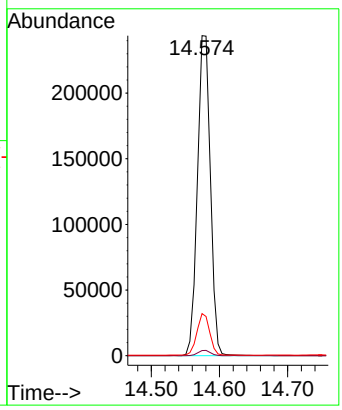


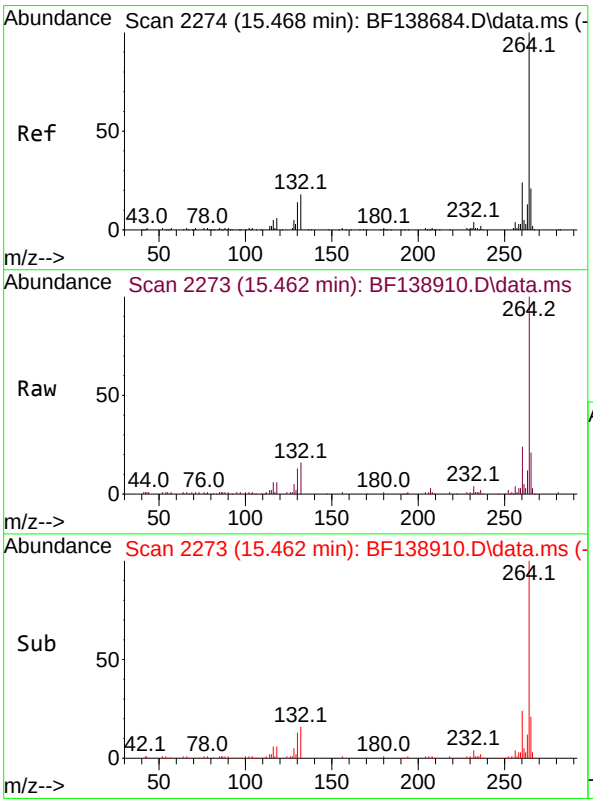
#85
Di-n-octyl phthalate
Concen: 63.800 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:149 Resp: 322301

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

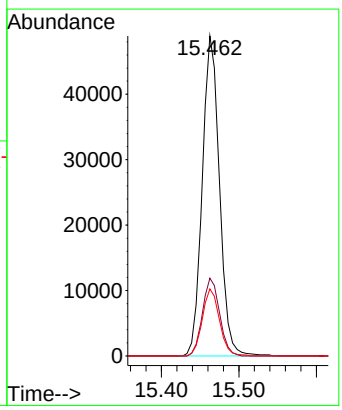


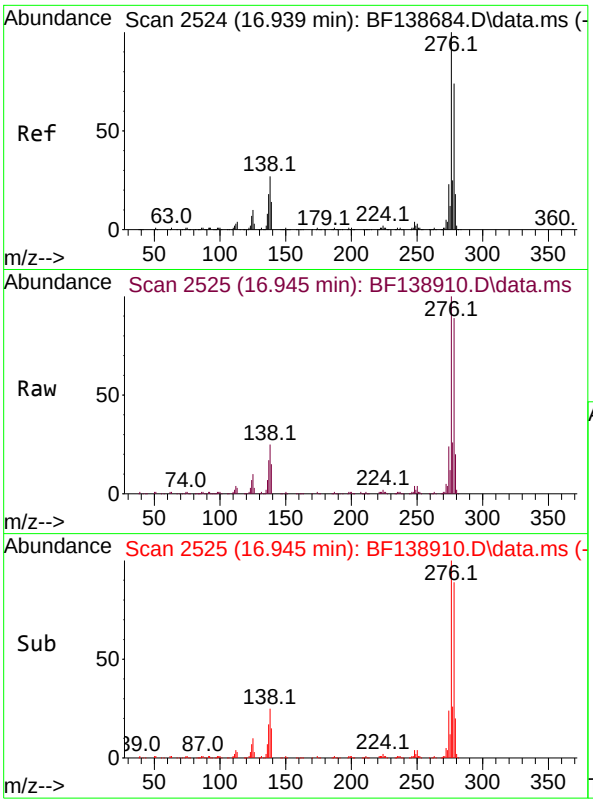


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:264 Resp: 75440

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.6
265	21.0	17.0	25.6



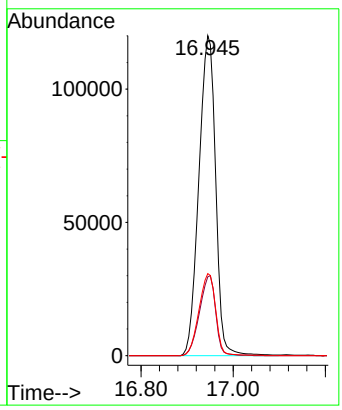


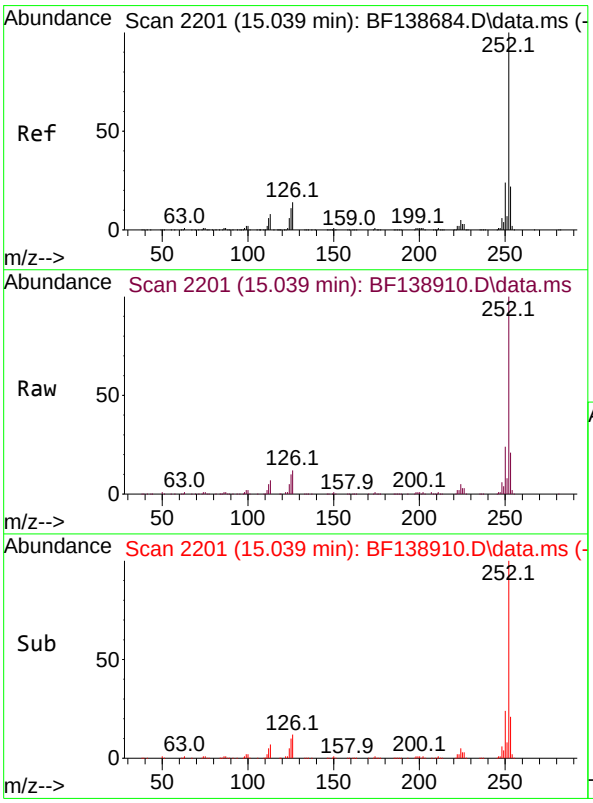
#87
Indeno(1,2,3-cd)pyrene
Concen: 56.261 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:276 Resp: 304166

Ion	Ratio	Lower	Upper
276	100		
138	23.9	21.8	32.8
277	25.5	20.6	30.8

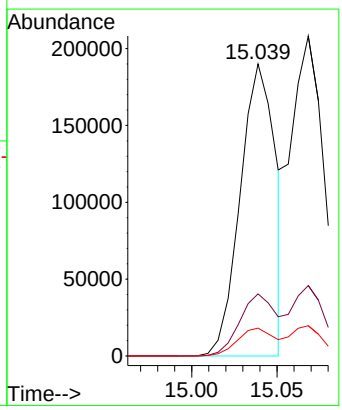


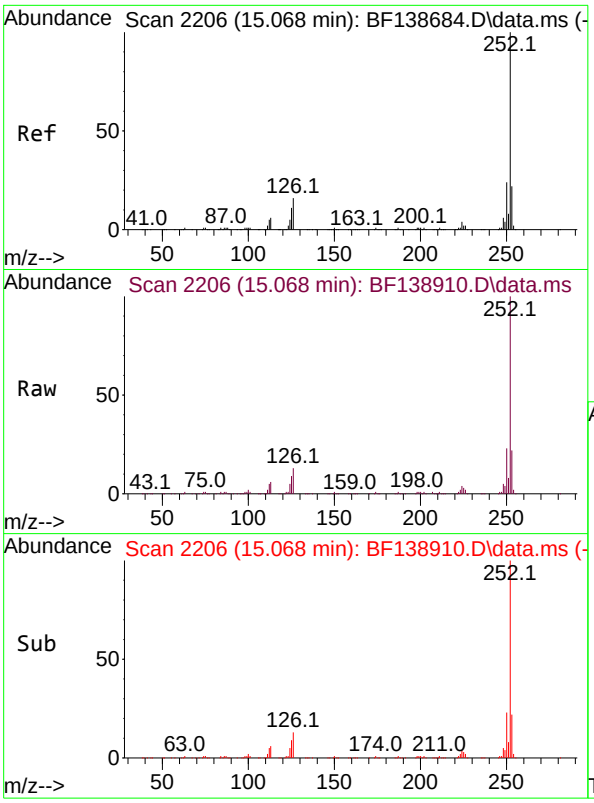


#88
Benzo(b)fluoranthene
Concen: 58.430 ng
RT: 15.039 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:252 Resp: 273251

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	9.6	8.9	13.3



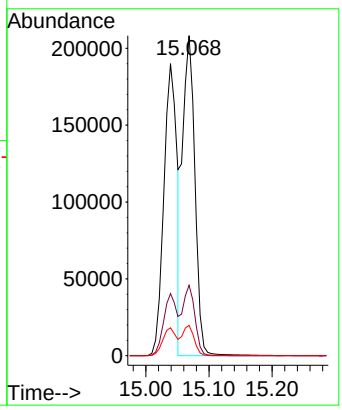


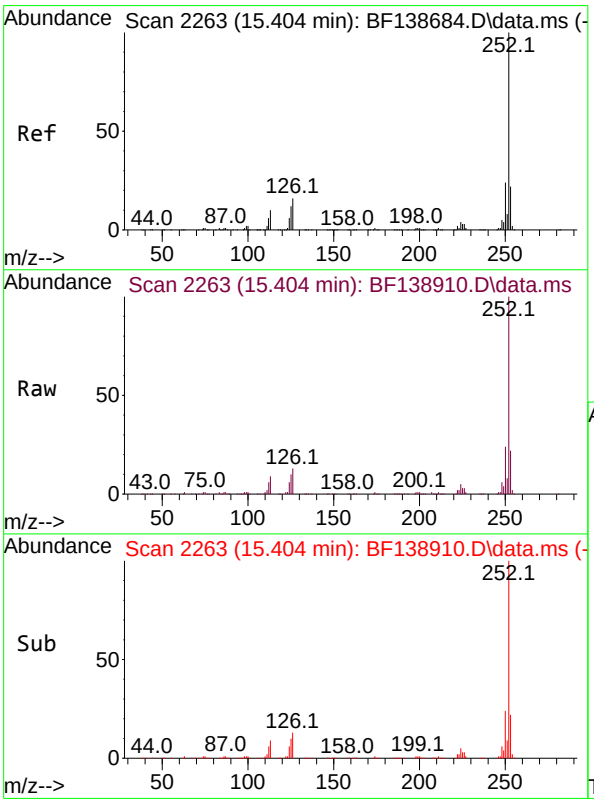
#89
Benzo(k)fluoranthene
Concen: 70.197 ng
RT: 15.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:252 Resp: 284230

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.5	8.6	13.0

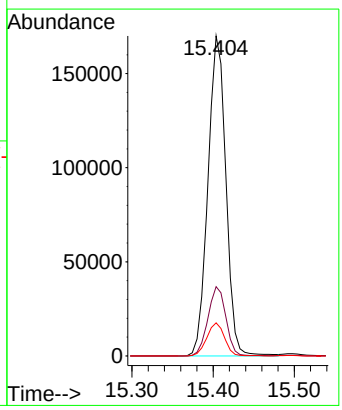


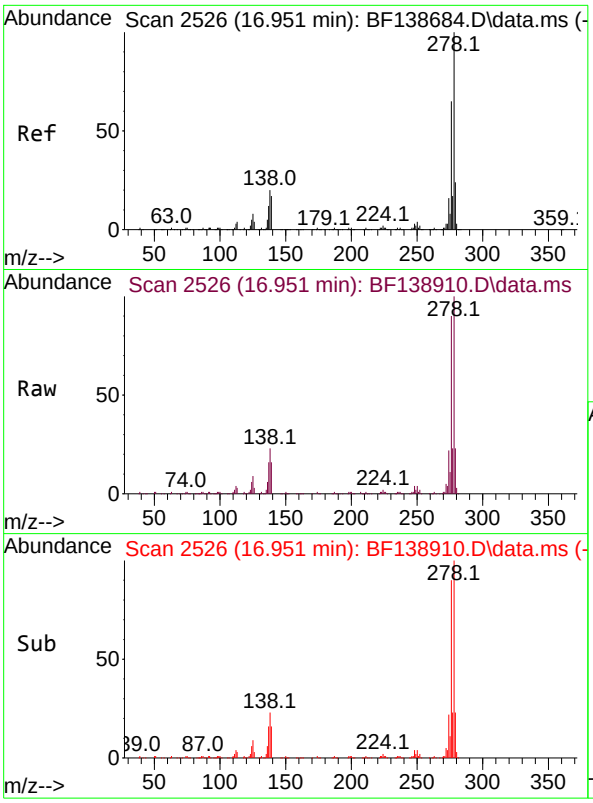


#90
Benzo(a)pyrene
Concen: 66.435 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:252 Resp: 261332

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.4	9.5	14.3



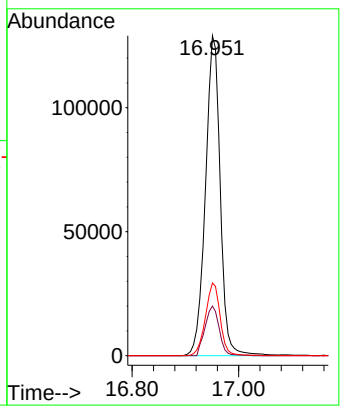


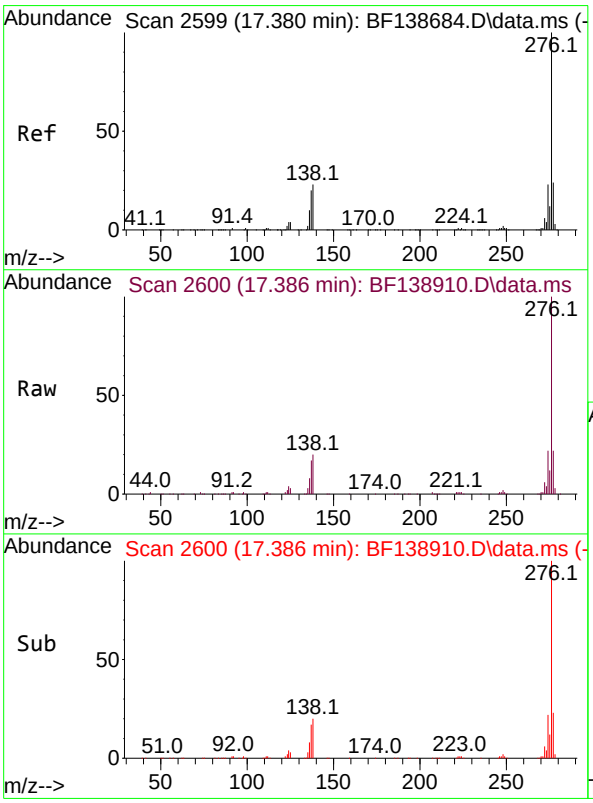
#91
Dibenzo(a,h)anthracene
Concen: 55.987 ng
RT: 16.951 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

Tgt Ion:278 Resp: 248466

Ion	Ratio	Lower	Upper
278	100		
139	15.5	14.0	21.0
279	22.7	19.0	28.4

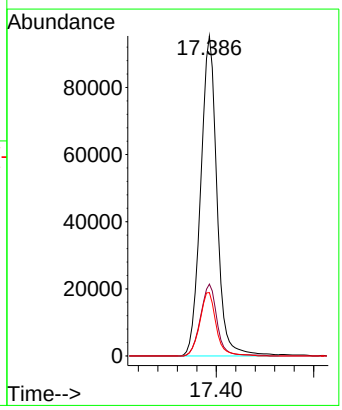




#92
Benzo(g,h,i)perylene
Concen: 47.913 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:276 Resp: 220649

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.0	28.4
138	19.8	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:	bf080724	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	BF080924	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF138879.D	2,3,4,6-Tetrachlorophenol	yogesh	8/10/2024 12:55:26 AM	mohammad	8/12/2024 1:39:31 AM	Peak Integrated by Software
SSTDCCC040	BF138879.D	Caprolactam	yogesh	8/10/2024 12:55:26 AM	mohammad	8/12/2024 1:39:31 AM	Peak Integrated by Software
PB162423BS	BF138884.D	Caprolactam	yogesh	8/10/2024 12:55:29 AM	mohammad	8/12/2024 1:39:31 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF081024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF138901.D	Caprolactam	Jagrut	8/12/2024 5:09:23 PM	mohammad	8/13/2024 5:17:21 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 # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM				
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM				
SubDirectory	BF080724	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	S12038 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	BF138833.D	07 Aug 2024 10:30	RC/JU	Ok
2	SSTDCCC040	BF138834.D	07 Aug 2024 11:00	RC/JU	Ok
3	PB162358BL	BF138835.D	07 Aug 2024 11:29	RC/JU	Ok
4	PB162463BL	BF138836.D	07 Aug 2024 11:59	RC/JU	Ok
5	P3440-01	BF138837.D	07 Aug 2024 12:34	RC/JU	Ok
6	P3440-02MS	BF138838.D	07 Aug 2024 13:04	RC/JU	Ok,M
7	P3440-03MSD	BF138839.D	07 Aug 2024 13:35	RC/JU	Ok
8	P3440-04	BF138840.D	07 Aug 2024 14:05	RC/JU	Ok
9	P3450-01	BF138841.D	07 Aug 2024 14:34	RC/JU	Ok
10	P3450-02	BF138842.D	07 Aug 2024 15:04	RC/JU	Ok
11	P3450-03	BF138843.D	07 Aug 2024 15:34	RC/JU	Ok
12	P3451-01	BF138844.D	07 Aug 2024 16:05	RC/JU	Ok
13	P3426-01	BF138845.D	07 Aug 2024 16:35	RC/JU	Ok
14	P3426-02	BF138846.D	07 Aug 2024 17:05	RC/JU	Ok
15	P3429-01	BF138847.D	07 Aug 2024 17:36	RC/JU	Ok
16	P3429-02	BF138848.D	07 Aug 2024 18:06	RC/JU	Ok
17	P3429-03	BF138849.D	07 Aug 2024 18:36	RC/JU	Ok
18	P3430-01	BF138850.D	07 Aug 2024 19:06	RC/JU	Ok
19	P3430-02	BF138851.D	07 Aug 2024 19:37	RC/JU	Ok
20	P3430-03	BF138852.D	07 Aug 2024 20:07	RC/JU	Ok
21	P3430-04	BF138853.D	07 Aug 2024 20:37	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM				
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM				
SubDirectory	BF080724	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	S12038 10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3430-05	BF138854.D	07 Aug 2024 21:08	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM				
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM				
SubDirectory	BF080924	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	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF138878.D	09 Aug 2024 09:17	RC/JU	Ok
2	SSTDCCC040	BF138879.D	09 Aug 2024 09:48	RC/JU	Ok,M
3	PB162421BL	BF138880.D	09 Aug 2024 10:19	RC/JU	Ok
4	PB162358BL	BF138881.D	09 Aug 2024 10:50	RC/JU	Not Ok
5	PB162358BS	BF138882.D	09 Aug 2024 11:21	RC/JU	Ok,M
6	PB162423BL	BF138883.D	09 Aug 2024 11:52	RC/JU	Ok
7	PB162423BS	BF138884.D	09 Aug 2024 12:23	RC/JU	Ok,M
8	PB162489BL	BF138885.D	09 Aug 2024 12:55	RC/JU	Ok
9	PB162489BS	BF138886.D	09 Aug 2024 13:25	RC/JU	Ok,M
10	P3464-02	BF138887.D	09 Aug 2024 14:10	RC/JU	Ok
11	P3468-01	BF138888.D	09 Aug 2024 14:59	RC/JU	Ok
12	P3468-02	BF138889.D	09 Aug 2024 15:31	RC/JU	Ok
13	P3469-01	BF138890.D	09 Aug 2024 16:02	RC/JU	Ok
14	P3469-02	BF138891.D	09 Aug 2024 16:33	RC/JU	Ok
15	P3460-01	BF138892.D	09 Aug 2024 17:04	RC/JU	Ok
16	P3460-01MS	BF138893.D	09 Aug 2024 17:35	RC/JU	Ok,M
17	P3460-01MSD	BF138894.D	09 Aug 2024 18:05	RC/JU	Ok,M
18	P3507-01	BF138895.D	09 Aug 2024 18:35	RC/JU	Ok,M
19	P3509-01	BF138896.D	09 Aug 2024 19:06	RC/JU	Ok,M
20	P3509-01MS	BF138897.D	09 Aug 2024 19:36	RC/JU	Ok,M
21	P3509-01MSD	BF138898.D	09 Aug 2024 20:06	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM				
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM				
SubDirectory	BF080924	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	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3394-02	BF138899.D	09 Aug 2024 20:36	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM				
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM				
SubDirectory	BF081024	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	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF138900.D	10 Aug 2024 10:12	RC/JU	Ok
2	SSTDCCC040	BF138901.D	10 Aug 2024 10:41	RC/JU	Ok,M
3	PB162577TB	BF138902.D	10 Aug 2024 11:11	RC/JU	Ok
4	P3479-03	BF138903.D	10 Aug 2024 11:46	RC/JU	Ok
5	P3479-05	BF138904.D	10 Aug 2024 12:16	RC/JU	Ok
6	P3479-01	BF138905.D	10 Aug 2024 12:46	RC/JU	Ok
7	P3479-07	BF138906.D	10 Aug 2024 13:16	RC/JU	Ok
8	P3464-02MS	BF138907.D	10 Aug 2024 13:47	RC/JU	Ok,M
9	P3464-02MSD	BF138908.D	10 Aug 2024 14:17	RC/JU	Ok,M
10	P3415-04MS	BF138909.D	10 Aug 2024 14:48	RC/JU	Ok
11	P3415-05MSD	BF138910.D	10 Aug 2024 15:19	RC/JU	Ok
12	P3476-01	BF138911.D	10 Aug 2024 15:49	RC/JU	Ok
13	P3466-04	BF138912.D	10 Aug 2024 16:20	RC/JU	Ok
14	P3466-05	BF138913.D	10 Aug 2024 16:51	RC/JU	Ok
15	P3476-07	BF138914.D	10 Aug 2024 17:21	RC/JU	ReRun
16	P3457-01	BF138915.D	10 Aug 2024 17:52	RC/JU	Ok
17	P3457-02	BF138916.D	10 Aug 2024 18:22	RC/JU	Ok
18	P3466-01	BF138917.D	10 Aug 2024 18:53	RC/JU	Ok
19	P3466-02MS	BF138918.D	10 Aug 2024 19:23	RC/JU	Not Ok
20	P3466-03MSD	BF138919.D	10 Aug 2024 19:54	RC/JU	Not Ok
21	P3476-03	BF138920.D	10 Aug 2024 20:24	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM				
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM				
SubDirectory	BF081024	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	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3476-05	BF138921.D	10 Aug 2024 20:54	RC/JU	ReRun
23	P3467-01	BF138922.D	10 Aug 2024 21:25	RC/JU	Ok

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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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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM		
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM		
SubDirectory	BF080724	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	S12038 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	BF138833.D	07 Aug 2024 10:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138834.D	07 Aug 2024 11:00		RC/JU	Ok
3	PB162358BL	PB162358BL	BF138835.D	07 Aug 2024 11:29		RC/JU	Ok
4	PB162463BL	PB162463BL	BF138836.D	07 Aug 2024 11:59		RC/JU	Ok
5	P3440-01	923-K1-WS-080124	BF138837.D	07 Aug 2024 12:34		RC/JU	Ok
6	P3440-02MS	923-K1-WS-080124MS	BF138838.D	07 Aug 2024 13:04		RC/JU	Ok,M
7	P3440-03MSD	923-K1-WS-080124MS	BF138839.D	07 Aug 2024 13:35		RC/JU	Ok
8	P3440-04	922-K1-WS-080124	BF138840.D	07 Aug 2024 14:05		RC/JU	Ok
9	P3450-01	921-J-WP0-0.25-08012	BF138841.D	07 Aug 2024 14:34		RC/JU	Ok
10	P3450-02	923-K1-WP0-0.25-0801	BF138842.D	07 Aug 2024 15:04		RC/JU	Ok
11	P3450-03	922-K1-WP0-0.25-0801	BF138843.D	07 Aug 2024 15:34		RC/JU	Ok
12	P3451-01	921-J-WS-080124	BF138844.D	07 Aug 2024 16:05		RC/JU	Ok
13	P3426-01	927-K1-WS-073124	BF138845.D	07 Aug 2024 16:35		RC/JU	Ok
14	P3426-02	927-K1-WS-073124-FD	BF138846.D	07 Aug 2024 17:05	Surrogate Fail	RC/JU	Ok
15	P3429-01	926-K1-WS-073124	BF138847.D	07 Aug 2024 17:36		RC/JU	Ok
16	P3429-02	931-K1-WS-073124	BF138848.D	07 Aug 2024 18:06		RC/JU	Ok
17	P3429-03	925-K1-WS-073124	BF138849.D	07 Aug 2024 18:36		RC/JU	Ok
18	P3430-01	927-K1-WPO-0-0.25-07	BF138850.D	07 Aug 2024 19:06		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM		
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM		
SubDirectory	BF080724	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	S12038 10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3430-02	927-K1-WPO-0-0.25-07	BF138851.D	07 Aug 2024 19:37		RC/JU	Ok
20	P3430-03	926-K1-WPO-0-0.25-07	BF138852.D	07 Aug 2024 20:07		RC/JU	Ok
21	P3430-04	931-K1-WPO-0-0.25-07	BF138853.D	07 Aug 2024 20:37		RC/JU	Ok
22	P3430-05	925-K1-WPO-0-0.25-07	BF138854.D	07 Aug 2024 21:08		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM		
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM		
SubDirectory	BF080924	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	S12039,10ul/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	BF138878.D	09 Aug 2024 09:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138879.D	09 Aug 2024 09:48		RC/JU	Ok,M
3	PB162421BL	PB162421BL	BF138880.D	09 Aug 2024 10:19		RC/JU	Ok
4	PB162358BL	PB162358BL	BF138881.D	09 Aug 2024 10:50	Surrogate Fail	RC/JU	Not Ok
5	PB162358BS	PB162358BS	BF138882.D	09 Aug 2024 11:21		RC/JU	Ok,M
6	PB162423BL	PB162423BL	BF138883.D	09 Aug 2024 11:52		RC/JU	Ok
7	PB162423BS	PB162423BS	BF138884.D	09 Aug 2024 12:23		RC/JU	Ok,M
8	PB162489BL	PB162489BL	BF138885.D	09 Aug 2024 12:55		RC/JU	Ok
9	PB162489BS	PB162489BS	BF138886.D	09 Aug 2024 13:25		RC/JU	Ok,M
10	P3464-02	TOPSOIL	BF138887.D	09 Aug 2024 14:10		RC/JU	Ok
11	P3468-01	IDW-S1-01	BF138888.D	09 Aug 2024 14:59		RC/JU	Ok
12	P3468-02	MLS-15-682-697	BF138889.D	09 Aug 2024 15:31		RC/JU	Ok
13	P3469-01	MLS-15-513-528	BF138890.D	09 Aug 2024 16:02		RC/JU	Ok
14	P3469-02	MLS-15-625-640	BF138891.D	09 Aug 2024 16:33		RC/JU	Ok
15	P3460-01	72-11929	BF138892.D	09 Aug 2024 17:04		RC/JU	Ok
16	P3460-01MS	72-11929MS	BF138893.D	09 Aug 2024 17:35		RC/JU	Ok,M
17	P3460-01MSD	72-11929MSD	BF138894.D	09 Aug 2024 18:05		RC/JU	Ok,M
18	P3507-01	EO-03-080724	BF138895.D	09 Aug 2024 18:35	Internal Standard Fail	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM		
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM		
SubDirectory	BF080924	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	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3509-01	OR-02-080724	BF138896.D	09 Aug 2024 19:06	Internal Standard Fail	RC/JU	Ok,M
20	P3509-01MS	OR-02-080724MS	BF138897.D	09 Aug 2024 19:36	Internal Standard Fail	RC/JU	Ok,M
21	P3509-01MSD	OR-02-080724MSD	BF138898.D	09 Aug 2024 20:06	Internal Standard Fail	RC/JU	Ok,M
22	P3394-02	B-105-SB02	BF138899.D	09 Aug 2024 20:36	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM		
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM		
SubDirectory	BF081024	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	S12039,10ul/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	BF138900.D	10 Aug 2024 10:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138901.D	10 Aug 2024 10:41		RC/JU	Ok,M
3	PB162577TB	PB162577TB	BF138902.D	10 Aug 2024 11:11		RC/JU	Ok
4	P3479-03	TS09	BF138903.D	10 Aug 2024 11:46		RC/JU	Ok
5	P3479-05	TS10	BF138904.D	10 Aug 2024 12:16		RC/JU	Ok
6	P3479-01	TS08	BF138905.D	10 Aug 2024 12:46		RC/JU	Ok
7	P3479-07	TS11	BF138906.D	10 Aug 2024 13:16		RC/JU	Ok
8	P3464-02MS	TOPSOILMS	BF138907.D	10 Aug 2024 13:47	Internal Standard Fail	RC/JU	Ok,M
9	P3464-02MSD	TOPSOILMSD	BF138908.D	10 Aug 2024 14:17	Internal Standard Fail,	RC/JU	Ok,M
10	P3415-04MS	MLS-15-70-85MS	BF138909.D	10 Aug 2024 14:48		RC/JU	Ok
11	P3415-05MSD	MLS-15-70-85MSD	BF138910.D	10 Aug 2024 15:19		RC/JU	Ok
12	P3476-01	MUL04	BF138911.D	10 Aug 2024 15:49		RC/JU	Ok
13	P3466-04	932-K1-WP0-0.25-0802	BF138912.D	10 Aug 2024 16:20		RC/JU	Ok
14	P3466-05	919-J-WP0-0.25-08022	BF138913.D	10 Aug 2024 16:51		RC/JU	Ok
15	P3476-07	MUL07	BF138914.D	10 Aug 2024 17:21	Internal Standard Fail	RC/JU	ReRun
16	P3457-01	924-K1-WS-080224	BF138915.D	10 Aug 2024 17:52		RC/JU	Ok
17	P3457-02	932-K1-WS-080224	BF138916.D	10 Aug 2024 18:22		RC/JU	Ok
18	P3466-01	924-K1-WP0-0.25-0802	BF138917.D	10 Aug 2024 18:53		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM		
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM		
SubDirectory	BF081024	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	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3466-02MS	924-K1-WP0-0.25-0802	BF138918.D	10 Aug 2024 19:23	MSD not ok	RC/JU	Not Ok
20	P3466-03MSD	924-K1-WP0-0.25-0802	BF138919.D	10 Aug 2024 19:54	Internal Standard Fail	RC/JU	Not Ok
21	P3476-03	MUL05	BF138920.D	10 Aug 2024 20:24		RC/JU	Ok
22	P3476-05	MUL06	BF138921.D	10 Aug 2024 20:54	Internal Standard Fail	RC/JU	ReRun
23	P3467-01	919-J-WS-080224	BF138922.D	10 Aug 2024 21:25		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162423

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/01/2024
Matrix :	Water			**Extraction Start Time :**	08:20
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	08/01/2024
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	15:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

Extraction Method: ☑ Seperatory Funne ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6525
Surrogate	1.0ML	100/150 PPM	SP6524
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3771
Baked Na2SO4	N/A	EP2518
H2SO4 1:1	N/A	EP2499
10N NaoH	N/A	EP2514
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:

pH Adjusted to < 2 with 1:1 H2SO4 and > 11 with 10N NaOH, 1.5ML Vial Lot # 2210673. P3429,3430 Added in batch at 10:05. P3426-02 Limited volume recd.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NE VAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/01/24	RP (Ext-Tech)	LC/SVOC
15:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162423

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 08/01/2024

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162423BL	SBLK423	SVOC-TCL BNA -20	1000	6	ritesh	RUPESH	1			SEP-1
PB162423BS	SLCS423	SVOC-TCL BNA -20	1000	6	ritesh	RUPESH	1			2
P3415-03	MLS-15-70-85	SVOC-TCL BNA -20	960	6	ritesh	RUPESH	1	E		3
P3415-04	P3415-03MS	SVOC-TCL BNA -20	960	6	ritesh	RUPESH	1	E		4
P3415-05	P3415-03MSD	SVOC-TCL BNA -20	960	6	ritesh	RUPESH	1	E		5
P3416-01	MLS-15-106-121	SVOC-TCL BNA -20	890	6	ritesh	RUPESH	1	A		6
P3416-02	MLS-15-135-150	SVOC-TCL BNA -20	980	6	ritesh	RUPESH	1	A		7
P3416-03	MLS-15-9999	SVOC-TCL BNA -20	970	6	ritesh	RUPESH	1	A		8
P3426-01	927-K1-WS-073124	SVOCMS Group6	950	6	ritesh	RUPESH	1	F		9
P3426-02	927-K1-WS-073124-FD	SVOCMS Group6	500	6	ritesh	RUPESH	0.5	E		10
P3429-01	926-K1-WS-073124	SVOCMS Group6	980	6	ritesh	RUPESH	1	E		11
P3429-02	931-K1-WS-073124	SVOCMS Group6	990	6	ritesh	RUPESH	1	E		12
P3429-03	925-K1-WS-073124	SVOCMS Group6	960	6	ritesh	RUPESH	1	E		13
P3430-01	927-K1-WP0-0-0.25-073124	SVOCMS Group6	990	6	ritesh	RUPESH	1	L		14
P3430-02	927-K1-WP0-0-0.25-073124	SVOCMS Group6	980	6	ritesh	RUPESH	1	L		15
P3430-03	926-K1-WP0-0-0.25-073124	SVOCMS Group6	1000	6	ritesh	RUPESH	1	L		16
P3430-04	931-K1-WP0-0-0.25-073124	SVOCMS Group6	970	6	ritesh	RUPESH	1	L		17
P3430-05	925-K1-WP0-0-0.25-073124	SVOCMS Group6	990	6	ritesh	RUPESH	1	L		18

* **Extracts relinquished on the same date as received.**

8:20
16Aug23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3415 **WorkList ID :** 182259 **Department :** Extraction **Date :** 08-01-2024 08:07:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3415-03	MLS-15-70-85	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3415-04	P3415-03MS	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3415-05	P3415-03MSD	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3416-01	MLS-15-106-121	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3416-02	MLS-15-135-150	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3416-03	MLS-15-9999	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3426-01	927-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	E21	07/31/2024	8270E
P3426-02	927-K1-WS-073124-FD	Water	SVOCMS Group6	Cool 4 deg C	JACO05	E21	07/31/2024	8270E

Date/Time 08/01/24 8:15
Raw Sample Received by: RP (Set Lab)
Raw Sample Relinquished by: SM

Date/Time 08/01/24 8:45
Raw Sample Received by: SM
Raw Sample Relinquished by: RP (Set Lab)

(3w
1G2423
10:08

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3429 **WorkList ID :** 182288 **Department :** Extraction **Date :** 08-01-2024 10:00:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3429-01	926-K1-WS-073124	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	07/31/2024	8270-Modified
P3429-01	926-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3429-02	931-K1-WS-073124	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	07/31/2024	8270-Modified
P3429-02	931-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3429-03	925-K1-WS-073124	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	07/31/2024	8270-Modified
P3429-03	925-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-01	927-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-02	927-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-03	926-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-04	931-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-05	925-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E

Date/Time 08/01/24 10:00
Raw Sample Received by: RS (Cust Lab)
Raw Sample Relinquished by: RM SM

Date/Time 08/01/24 10:30
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RS (Cust Lab)

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Prep Standard - Chemical Standard Summary

Order ID : P3429

Test : SVOCMS Group6

Prepbatch ID : PB162423,

Sequence ID/Qc Batch ID: BF080724,BF080924,BF081024,

Standard ID :
EP2499,EP2514,EP2518,SP6524,SP6525,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,SP6558,SP6559,SP6573,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3744,E3746,E3753,E3768,E3771,M5037,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,S12038,S12038 10ul/1000ul sample,S12039,S12076,S12088,S12089,S12090,S12091,S12092,S12093,S12094,S12095,S12096,S12097,S12112,S12117,S9675,W2606,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2499	06/17/2024	10/24/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 06/17/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W2606 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2514	07/17/2024	01/17/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 07/17/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2518	07/26/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Rajesh Parikh 07/26/2024

FROM 1.00000gram of E3551 = Final Quantity: 4000.000 gram

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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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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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6550	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.20000ml of E3746 + 0.80000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6551	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.40000ml of E3746 + 0.60000ml of SP6549 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6552	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6553	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3746 + 0.40000ml of SP6549 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6554	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.80000ml of E3746 + 0.20000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6555	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.90000ml of E3746 + 0.10000ml of SP6549 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6556	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.95000ml of E3746 + 0.05000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6557	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6556 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6558	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6559	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

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CHEMICAL RECEIPT LOG BOOK

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	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H14626005	11/29/2024	05/29/2024 / Rajesh	05/23/2024 / Rajesh	E3744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24C0162011	11/25/2024	05/25/2024 / Rajesh	05/08/2024 / Rajesh	E3746

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	12/01/2024	06/01/2024 / Rajesh	05/31/2024 / Rajesh	E3753

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24F1062004	01/19/2025	07/19/2024 / Rajesh	07/16/2024 / Rajesh	E3771

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	09/29/2024	03/29/2024 / Jagrut	12/09/2021 / Christian	S10102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	10/26/2024	04/26/2024 / Rahul	05/18/2022 / Christian	S10398

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	08/29/2024	02/29/2024 / Jagrut	07/05/2022 / Christian	S10591

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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	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

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

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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	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

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

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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	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

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

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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

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

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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	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	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

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	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

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	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	02/05/2025	08/05/2024 / Rahul	12/21/2023 / Rahul	S12038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	02/07/2025	08/07/2024 / anahy	12/21/2023 / Rahul	S12039

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

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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	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

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Date Received:_____

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

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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Rev 0 **Page 1 of 1**

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

~~S11096~~ ~~S11097~~ to S11099

Manufacturer's Quality System
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Date Received:_____

Certificate of Analysis

Rev 0 **Page 1 of 4**

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.

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Certificate of Analysis

Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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www.restek.com

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 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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

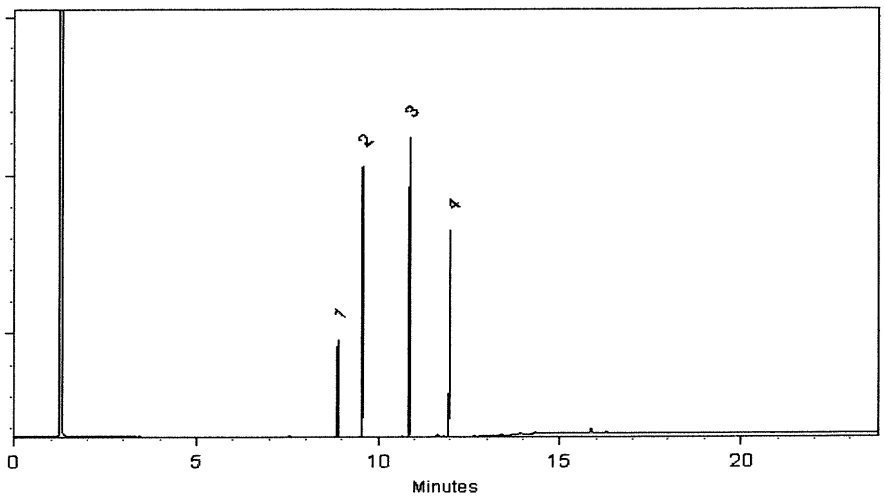
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Received by CG on 07/05/22 S10583 to S10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received 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)

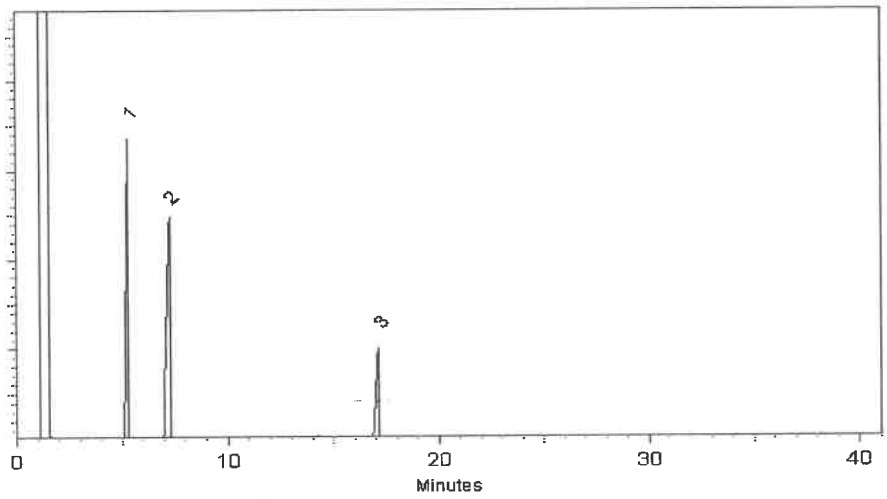
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

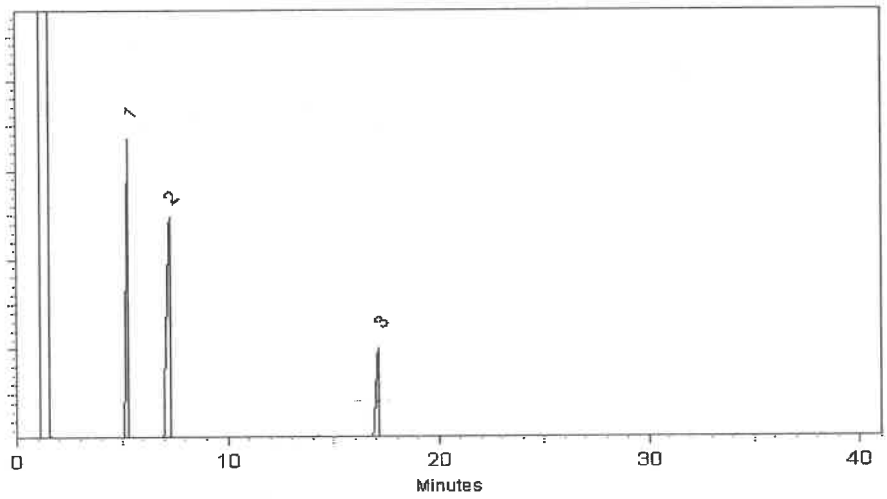
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

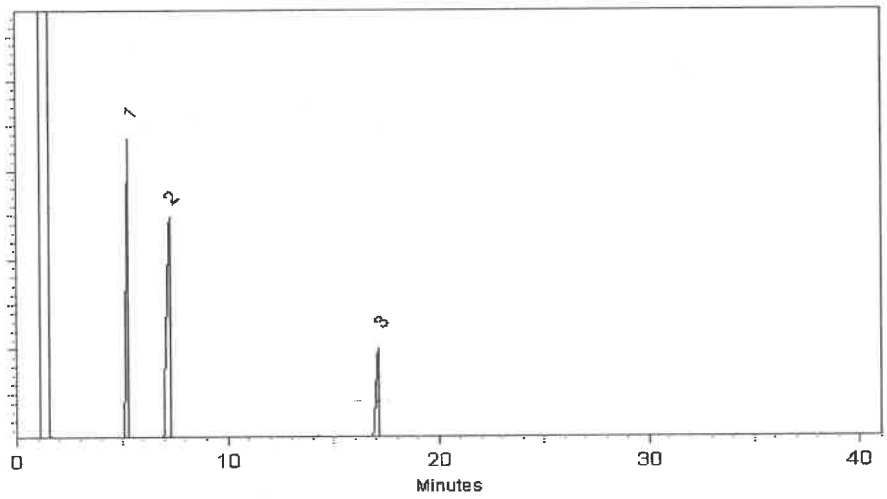
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

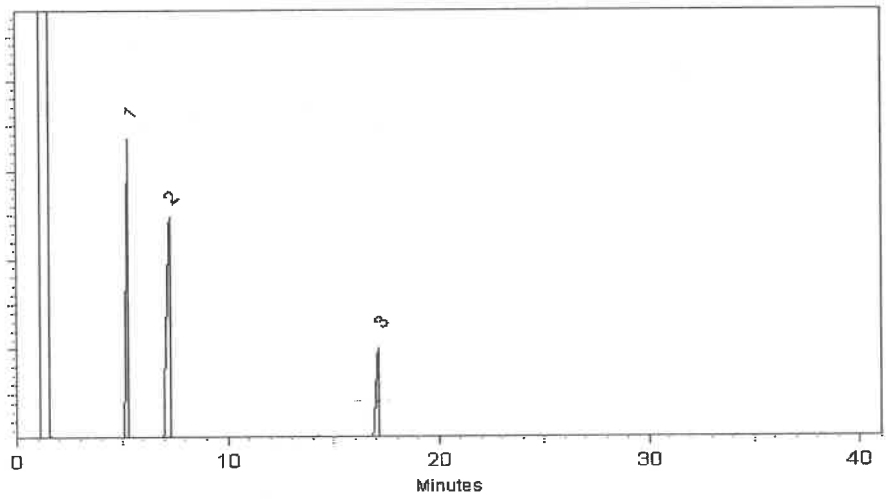
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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:
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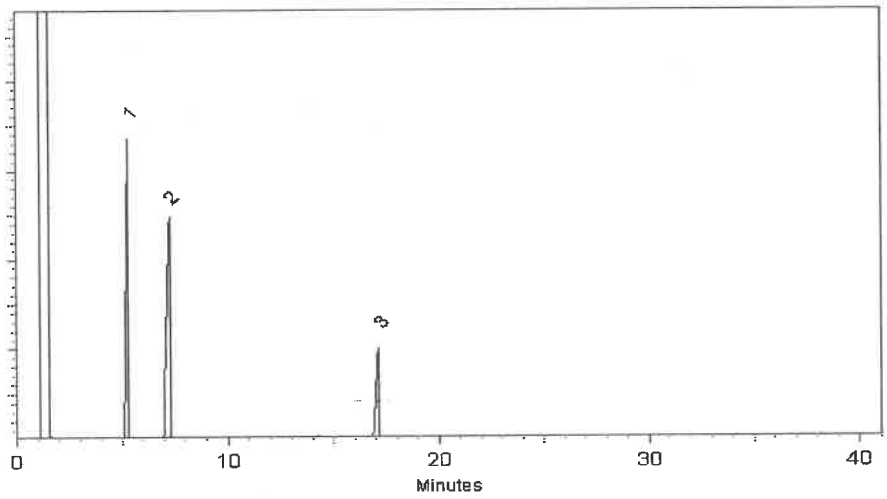

This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

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)

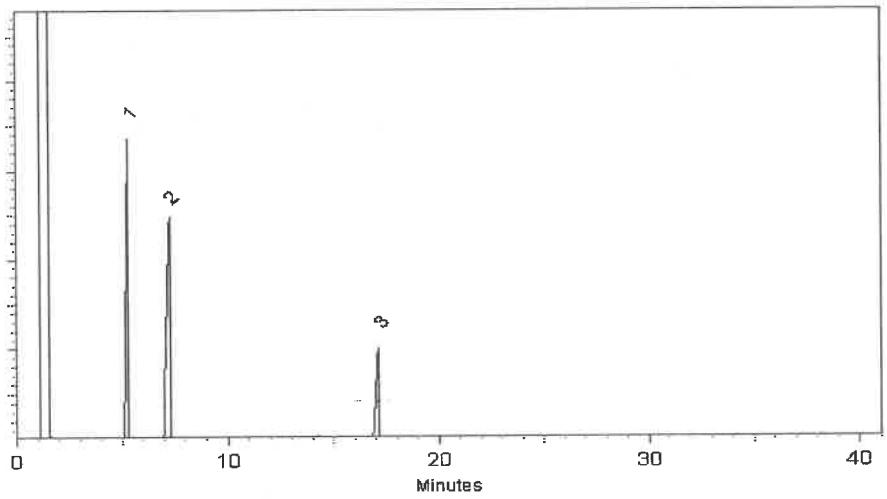
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

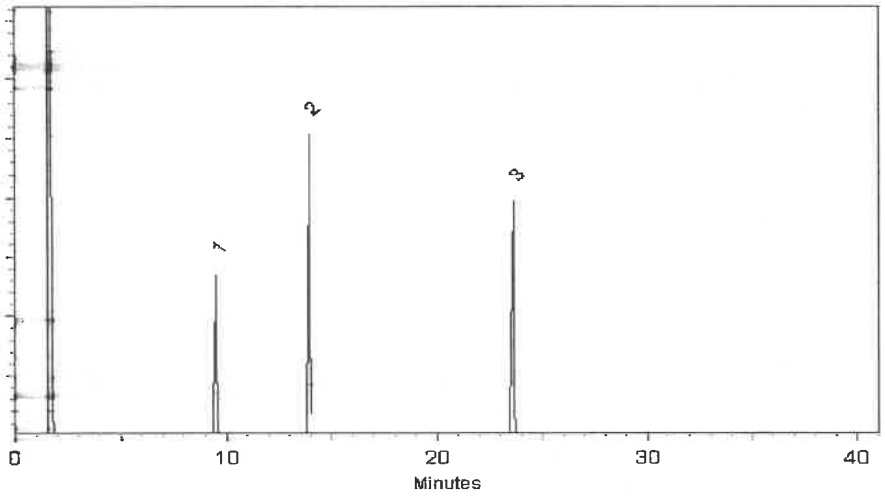
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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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
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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

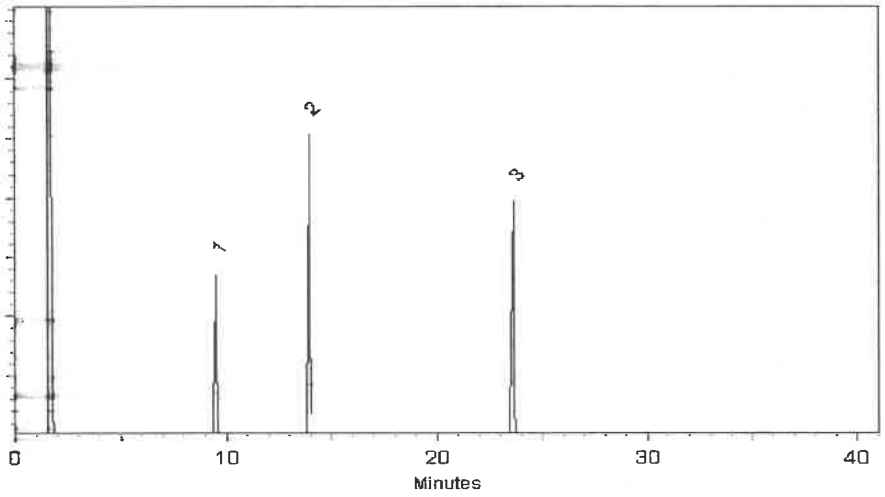
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

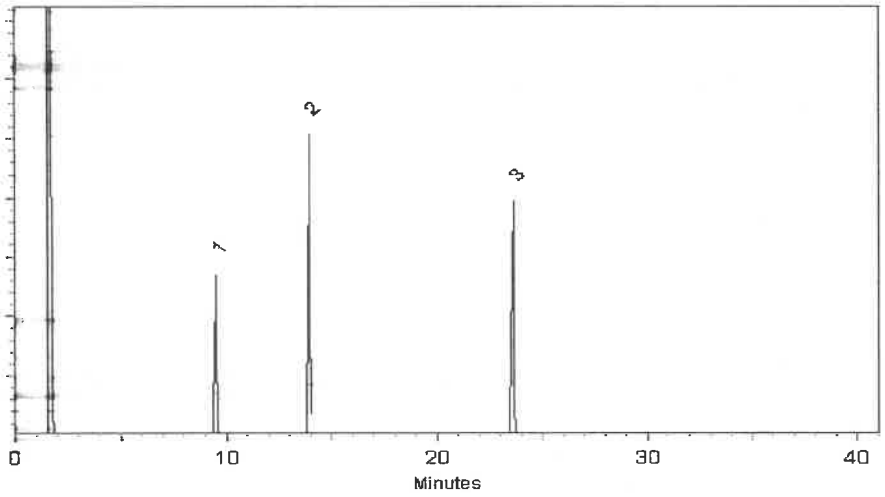
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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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 S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

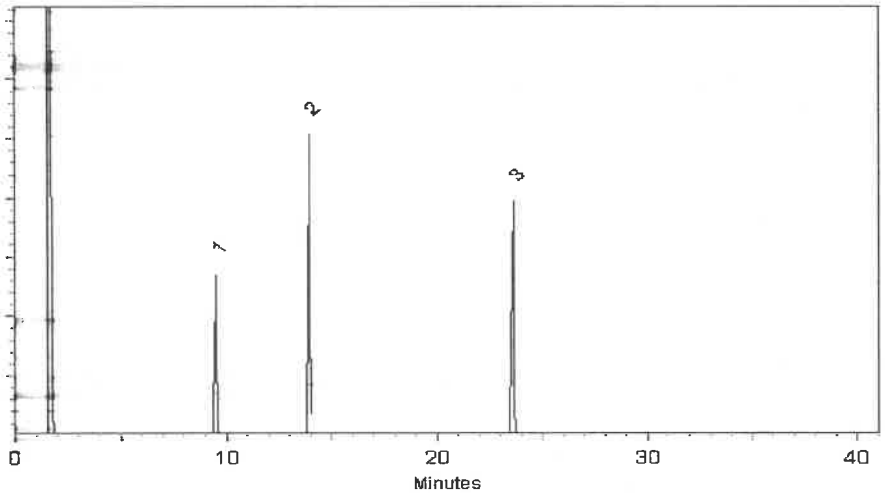
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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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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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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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)

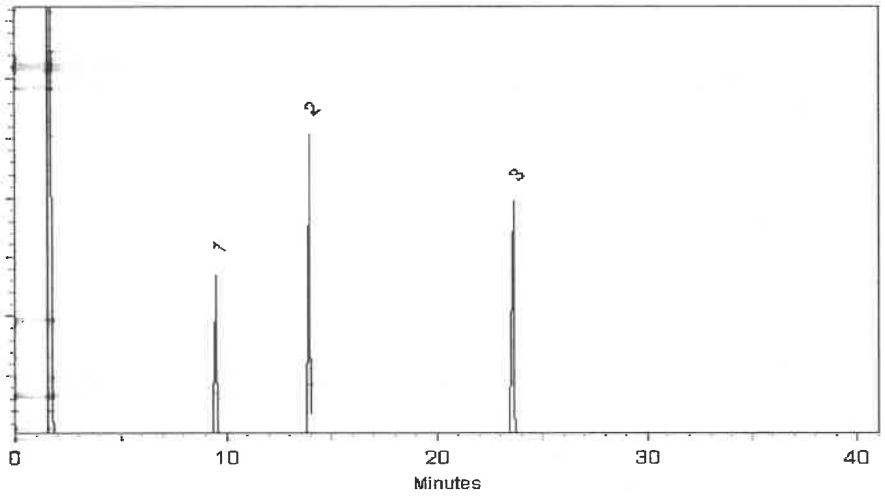
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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Det. Temp:
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Det. Type:
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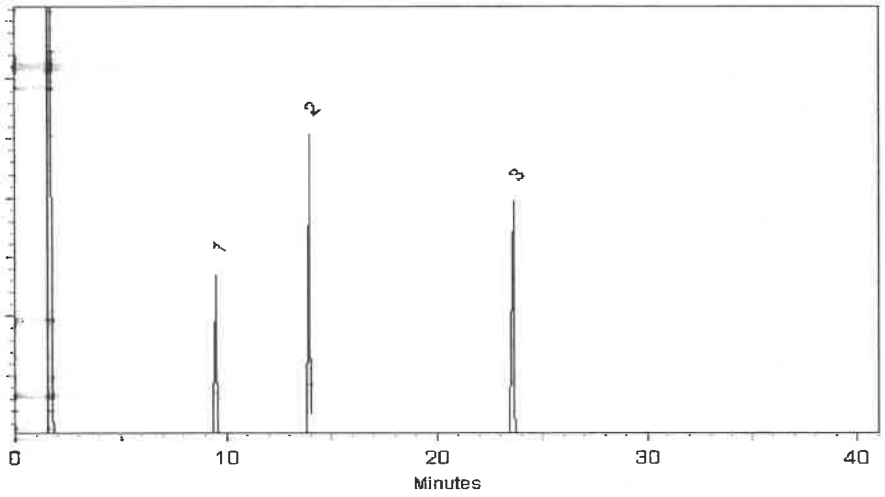

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
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Rtx-5 (cat.#10223)

Carrier Gas:
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Temp. Program:
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Det. Type:
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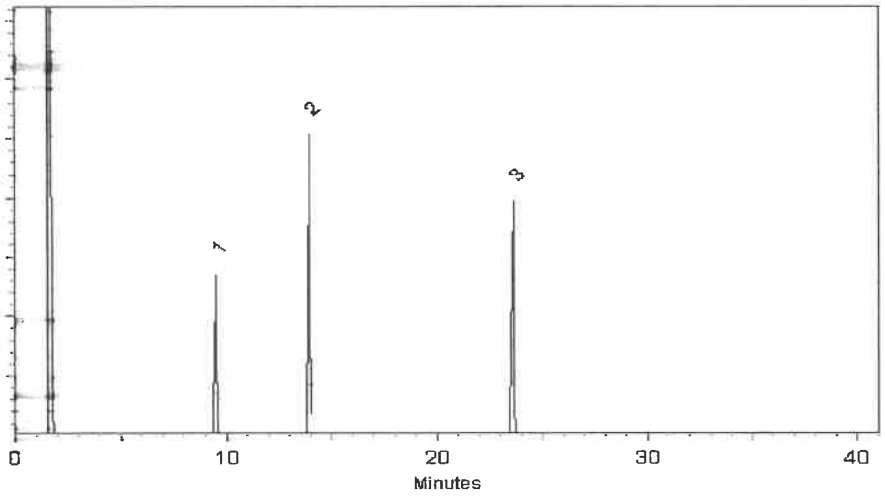

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

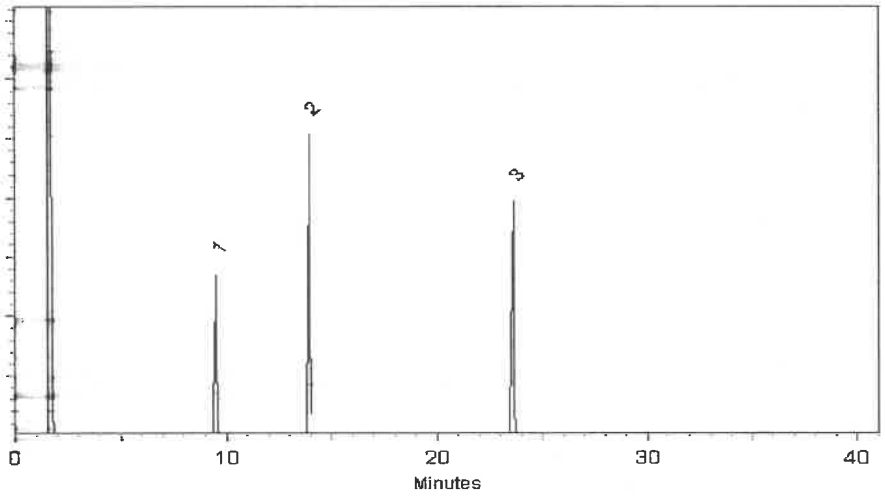
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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 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

CERTIFI

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek' Registered Quality Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

ity, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability n, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with dards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24C0162011
Manufactured Date: 2024-01-04
Expiration Date: 2025-04-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24A04224

E 3746

Ken Koehnlein
Sr. Manager, Quality Assurance

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

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 3771

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M3033-38-33-40
no

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

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

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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** 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 — 7.0 / 0911

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

01-Nov-2022 rev.

RESTEK

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. : 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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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.
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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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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
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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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CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 555223 **Lot No.:** A0201940

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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

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

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By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

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Certificate of Analysis

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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 } 7.6 / 0911

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%

Sam Moodler - Operations Tech I

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ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 555223 **Lot No.:** A0201940

511539 ↓ 511568 } 7.6 / 0911

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

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%

Sam Moodler - Operations Tech I

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01-Nov-2022 rev.

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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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CERTIFIED VALUES

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CAS # 75-09-2
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

511539 ↓ 511568 } 7.6 / 0911

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

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

01-Nov-2022 rev.

RESTEK

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

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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.

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Catalog No. : 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

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

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.)

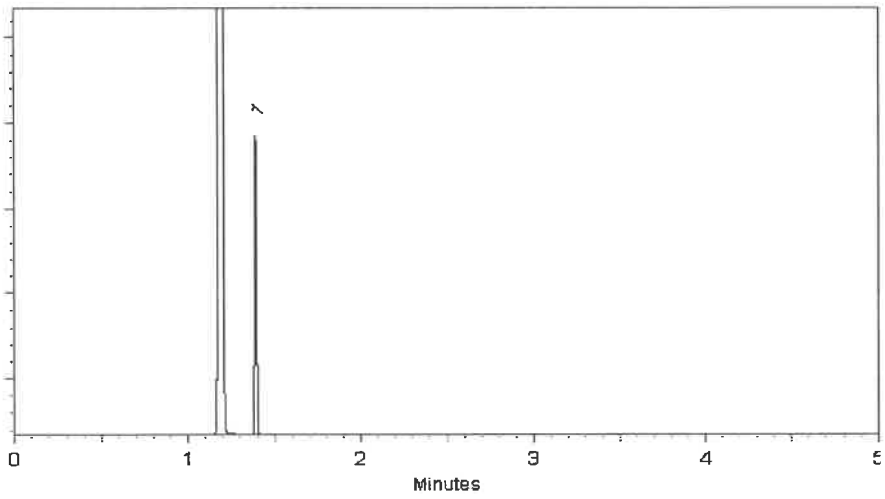
Inj. Temp:
250°C

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:

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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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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.)

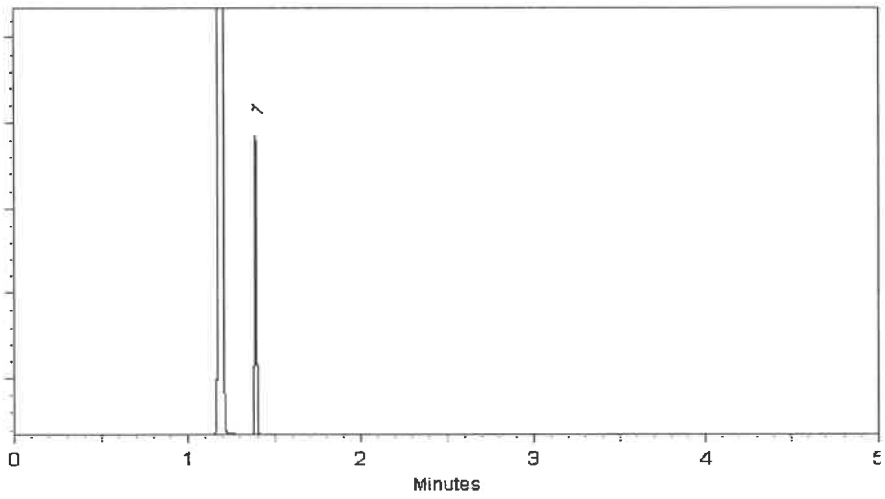
Inj. Temp:
250°C

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.
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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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

S11749 ↓ S11794 RC 11/30/23

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

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.)

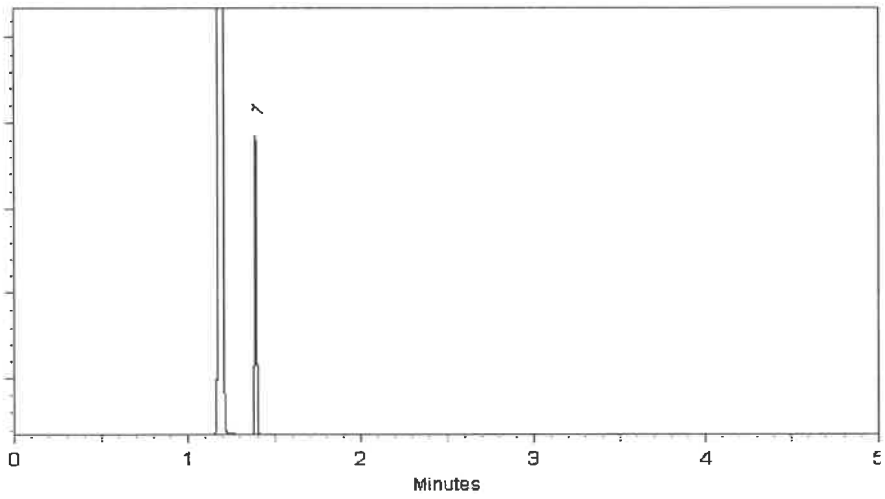
Inj. Temp:
250°C

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.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Certificate of Analysis

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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.)

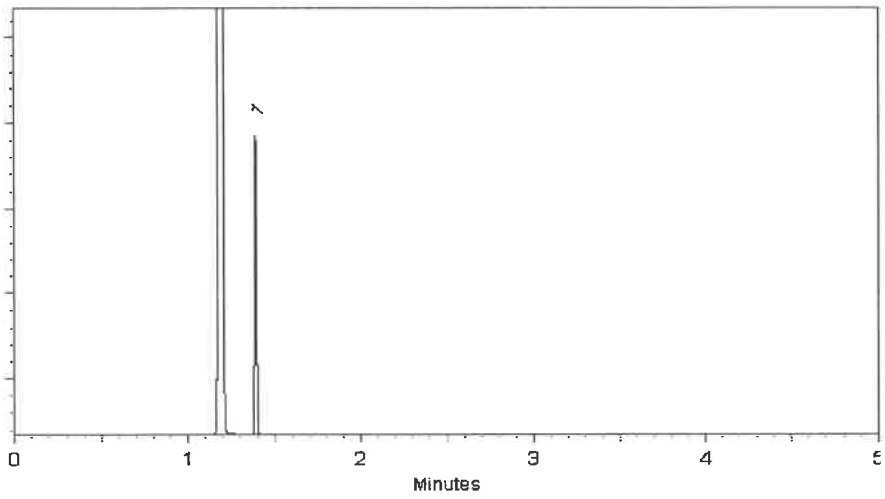
Inj. Temp:
250°C

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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Purity Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.)

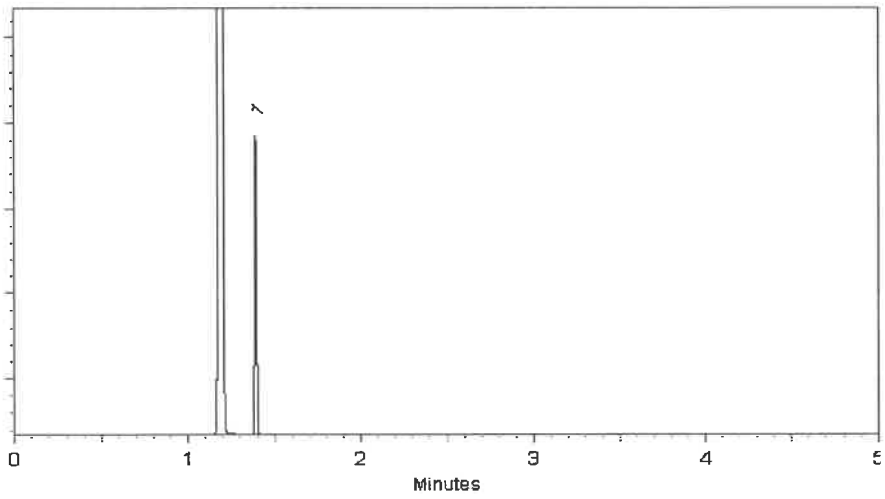
Inj. Temp:
250°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.)

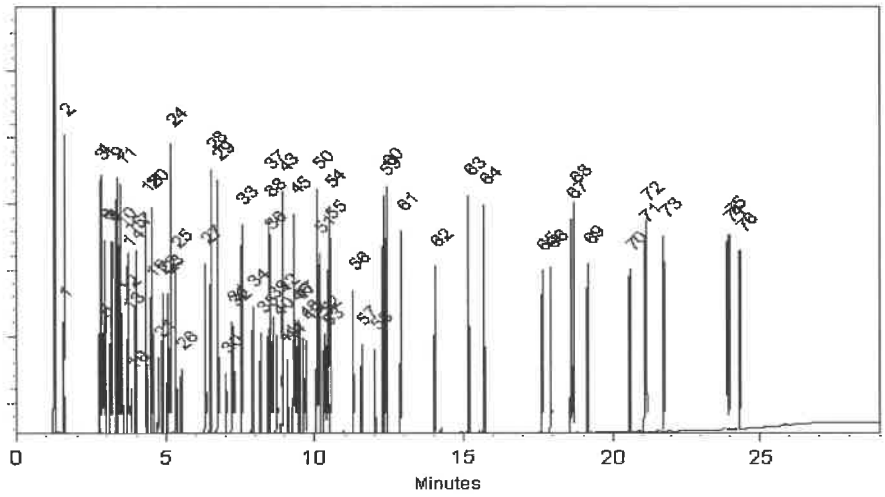
Inj. Temp:
250°C

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.)

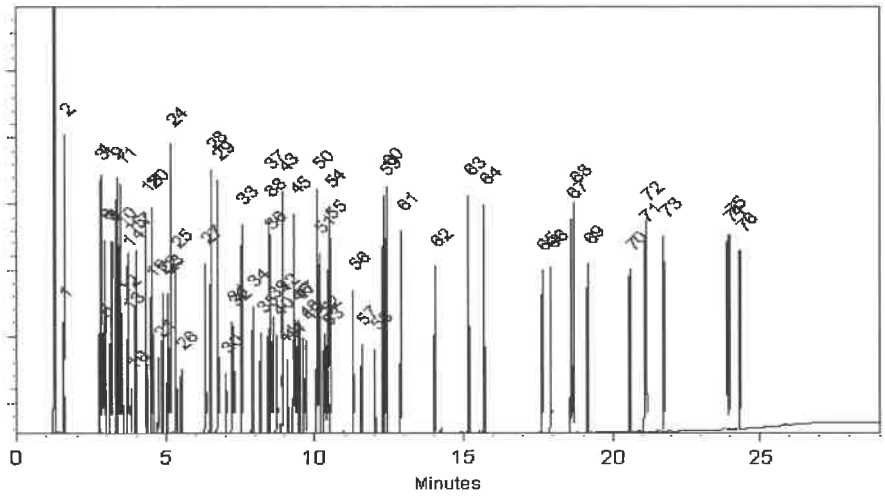
Inj. Temp:
250°C

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.)

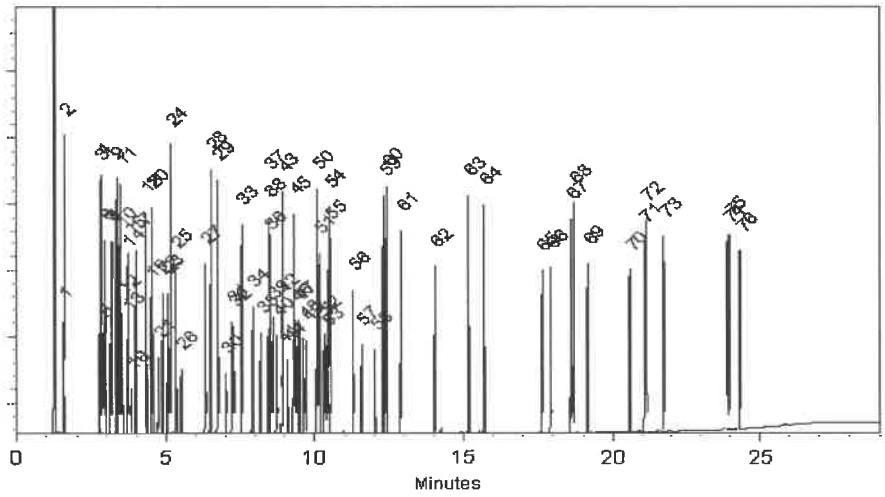
Inj. Temp:
250°C

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.)

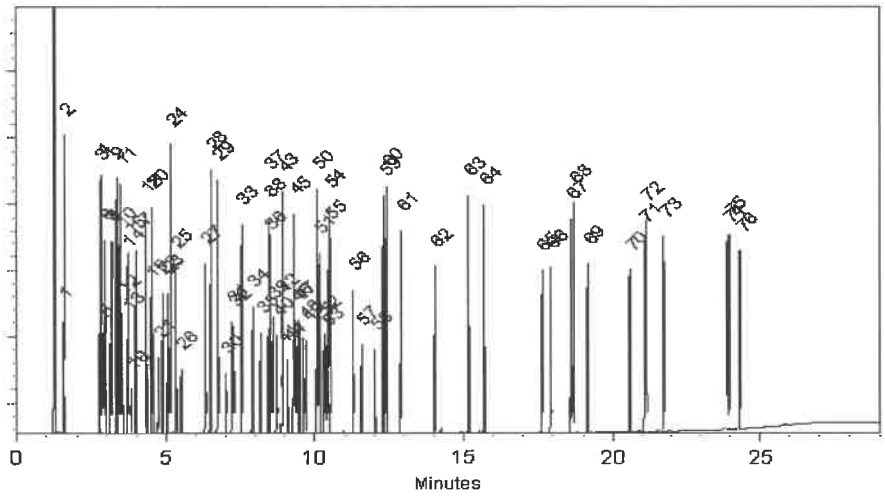
Inj. Temp:
250°C

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.)

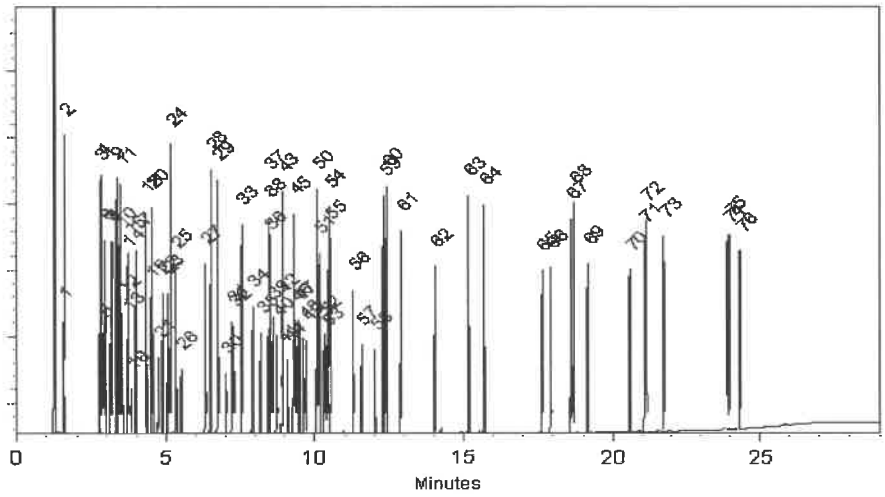
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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.)

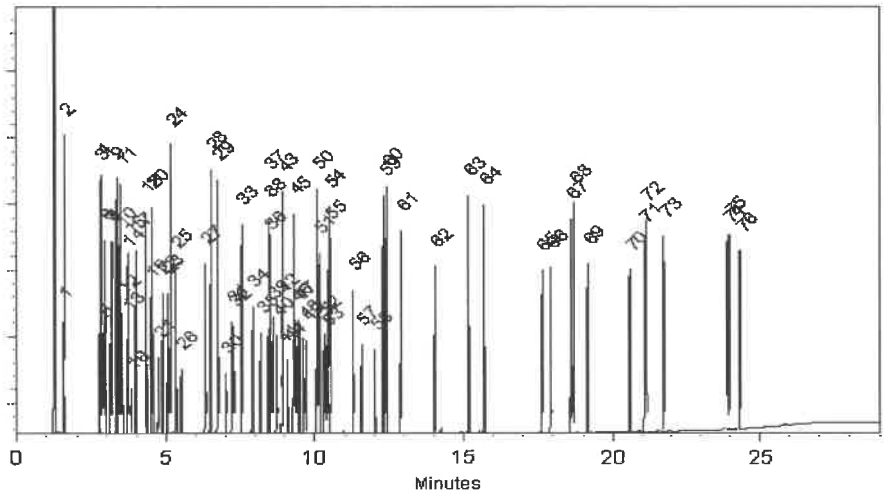
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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.)

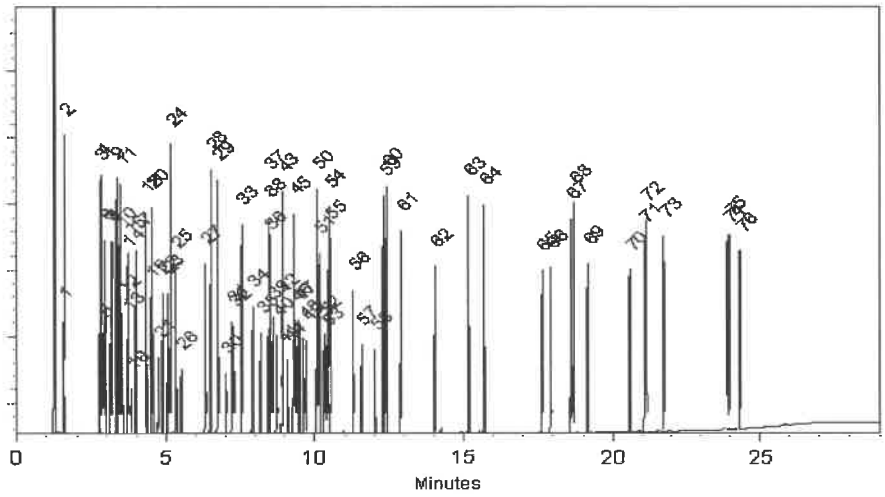
Inj. Temp:
250°C

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

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chromatographic plus

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8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

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Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

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5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
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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
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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.)

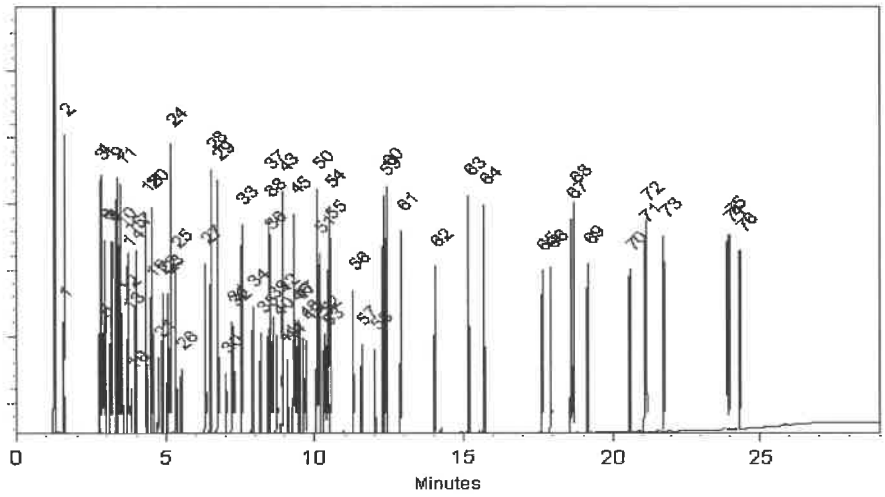
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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.)

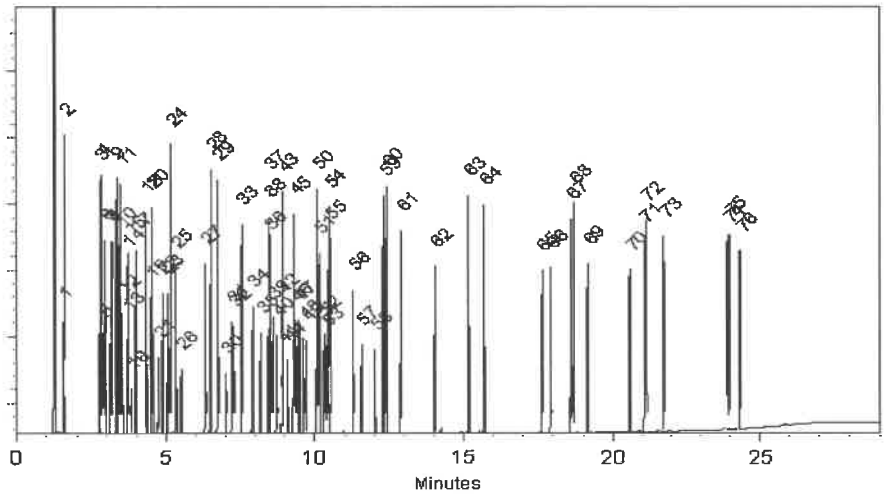
Inj. Temp:
250°C

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

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S12013 ↓ S12042 RC 12/26/23

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.)

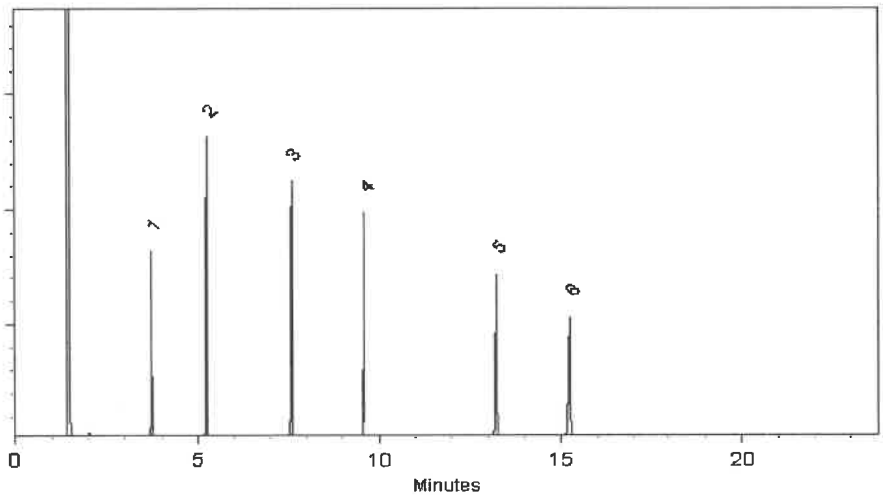
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S12013 ↓ S12042 RC 12/26/23

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.)

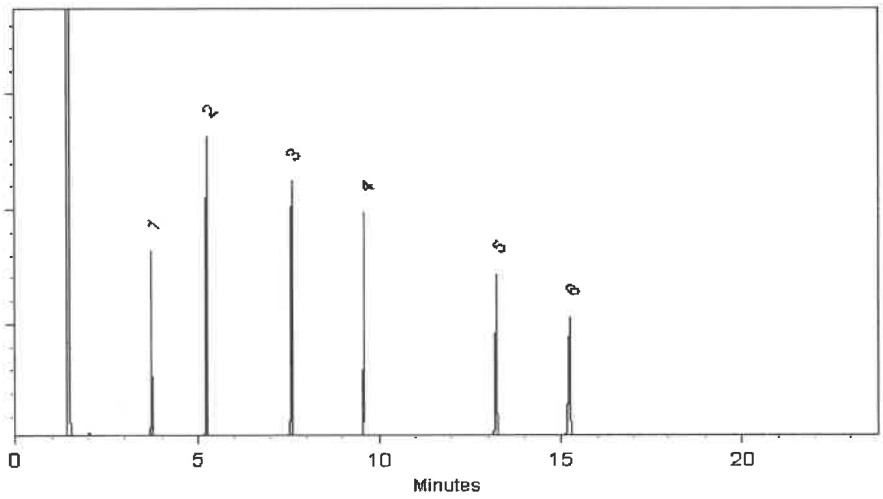
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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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Certificate #3222.02

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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.)

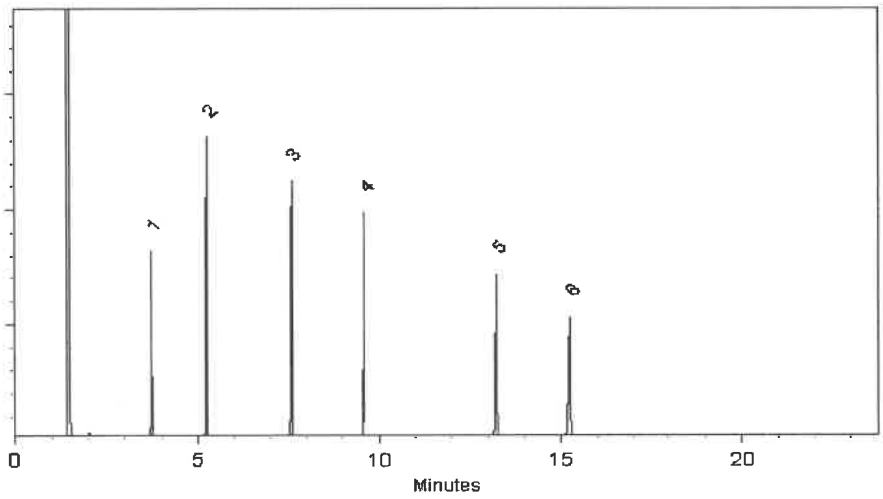
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** 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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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John Friedline - Operations Technician I

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Purity 99%

John Friedline - Operations Technician I

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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

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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

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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

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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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/-	36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/-	36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/-	36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/-	36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/-	36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/-	36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/-	36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/-	36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/-	36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/-	36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/-	36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/-	36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/-	36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/-	36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/-	36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/-	36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/-	36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/-	36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/-	36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/-	36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/-	36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/-	36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/-	36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/-	36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/-	36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/-	36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/-	36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/-	36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/-	36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/-	36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/-	36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/-	36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/-	36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/-	36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/-	36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/-	36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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. P3429
COC Number 2041346

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yntema
PHONE: (281) 414-1714 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 930-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 VOCs 8260D
2 SVOCs + PAHs 8270E, 8270E SIM
3 Metals 6020B; Hg 7470A
4 Cr(VI) 7196A
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 A/E 1	E 2	B/E 3	E 4	5	6	7	8	9	COMMENTS
1.	926-KI-WS-073124	WS		X	7/31/24	1400	6	2	2	1	1						
2.	931-KI-WS-073124	WS		X	7/31/24	1450	6	2	2	1	1						
3.	925-KI-WS-073124	WS		X	7/31/24	1575	6	2	2	1	1						
4.	TB-01-073124	DI		X	7/31/24	1600	1	1									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	7/31/24 1630	1. 1630 7-31-24
2.		2.
3.	7-31-24 1745	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
Comments: See attached table for required analytes list of ECO-VOCs, ECO-SVOCs, and ECO-metals
Short (24hr) hold time for Hexavalent Chromium!

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3429 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : Mary I. Murphy
Invoice Name : JACOBS Engineering Grou
Invoice Contact : Mary I. Murphy

Order Date : 7/31/2024 4:38:00 PM
Project Name : Former Schlumberger Site I
Receive DateTime : 7/31/2024 5:45:00 PM
Purchase Order :

Project Mgr : YAZMEEN
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 8/1/2024 9:54:09 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3429-01	926-K1-WS-073124	Water	07/31/2024	14:00					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3429-02	931-K1-WS-073124	Water	07/31/2024	14:50					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3429-03	925-K1-WS-073124	Water	07/31/2024	15:15					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3429-04	TB-01-073124	Water	07/31/2024	16:00					
					VOCMS Group6		8260-Low	10 Bus. Days	

Relinguished By :
Date / Time : 8-1-24 11:10

Received By :
Date / Time : 8/01/24 11:10

Storage Area : **VOA Refridgerator Room** Rack 4