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

Order ID : P3645

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3645-01	914-J-WS-081524
P3645-02	916-J-WS-081524
P3645-03	TB-02-081524

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: 10/15/2024

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 # P3645
Test Name: SVOCMS Group6

A. Number of Samples and Date of Receipt:
3 Water samples were received on 08/15/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, 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_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS 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.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration (Method 8270-BM081024.M) for Benzaldehyde, this compound is passing on Quadratic regression.

The % RSD is greater than 15% in the Initial Calibration (8270-BP081324.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

The Continuous Calibration File ID BM047273.D met the requirements except for Pyridine is failing marginally low therefore no corrective action taken.

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The Continuous Calibration File ID BP021592.D met the requirements except for 2,4-Dinitrotoluene,Pentachlorophenol and 2,4,6-Tribromophenol but associated QC within limits 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_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

CHEMTECH PROJECT NUMBER: P3645 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 % RSD is greater than 15% in the Initial Calibration (Method 8270-BM081024.M) for Benzaldehyde, this compound is passing on Quadratic regression.			
	The % RSD is greater than 15% in the Initial Calibration (8270-BP081324.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.			
	The Continuous Calibration File ID BM047273.D met the requirements except for Pyridine is failing marginally low therefore no corrective action taken.			
	The Continuous Calibration File ID BP021592.D met the requirements except for 2,4-Dinitrotoluene,Pentachlorophenol and 2,4,6-Tribromophenol but associated QC within limits 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.			

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 Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P3645**

	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:** **10/15/2024**

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LAB CHRONICLE

OrderID:	P3645	**OrderDate:**	8/15/2024 9:40:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	**Location:**	G21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3645-01	**914-J-WS-081524**	**Water**			**08/15/24**			**08/15/24**
			SVOCMS Group3	8270-Modified		08/16/24	08/20/24	
			SVOCMS Group6	8270E		08/16/24	08/20/24	
P3645-02	**916-J-WS-081524**	**Water**			**08/15/24**			**08/15/24**
			SVOCMS Group3	8270-Modified		08/16/24	08/20/24	
			SVOCMS Group6	8270E		08/16/24	08/20/24	

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Hit Summary Sheet
SW-846

SDG No.: P3645

Client: JACOBS Engineering Group, Inc.

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

QC
SUMMARY

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Surrogate Summary

SW-846

SDG No.: P3645

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3645-01	914-J-WS-081524	2-Fluorophenol	150	80.6	54		15 (10)	110 (139)
		Phenol-d6	150	49.9	33		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.5	81		30 (49)	130 (133)
		2-Fluorobiphenyl	100	87.1	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	88.3	88		30 (48)	130 (125)
P3645-02	916-J-WS-081524	2-Fluorophenol	150	72.6	48		15 (10)	110 (139)
		Phenol-d6	150	45.2	30		15 (10)	110 (134)
		Nitrobenzene-d5	100	76.9	77		30 (49)	130 (133)
		2-Fluorobiphenyl	100	81.6	82		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	88		15 (44)	110 (137)
		Terphenyl-d14	100	93.5	94		30 (48)	130 (125)
PB162788BL	PB162788BL	2-Fluorophenol	150	128	86		15 (10)	110 (139)
		Phenol-d6	150	115	77		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.2	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	79.7	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	153	102		15 (44)	110 (137)
		Terphenyl-d14	100	80.5	81		30 (48)	130 (125)
PB162788BS	PB162788BS	2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.6	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.8	79		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	146	97		15 (44)	110 (137)
		Terphenyl-d14	100	80.7	81		30 (48)	130 (125)
PB162788BSD	PB162788BSD	2-Fluorophenol	150	129	86		15 (10)	110 (139)
		Phenol-d6	150	119	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	89.9	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.8	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	149	100		15 (44)	110 (137)
		Terphenyl-d14	100	79.9	80		30 (48)	130 (125)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3645

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP021594.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162788BS	Pyridine	50	27.8	ug/L	56				20 (29)	160 (97)	
	Benzaldehyde	50	18.3	ug/L	37				20 (10)	160 (162)	
	2-Methylphenol	50	44.3	ug/L	89				70 (69)	130 (109)	
	3+4-Methylphenols	50	45.3	ug/L	91				20 (67)	160 (106)	
	Hexachloroethane	50	42.6	ug/L	85				20 (76)	160 (118)	
	Nitrobenzene	50	43.9	ug/L	88				70 (58)	130 (106)	
	Naphthalene	50	42.9	ug/L	86				70 (64)	130 (107)	
	Hexachlorobutadiene	50	40.2	ug/L	80				70 (69)	130 (101)	
	2-Methylnaphthalene	50	42.1	ug/L	84				70 (64)	130 (107)	
	2,4,6-Trichlorophenol	50	54.5	ug/L	109				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	52.7	ug/L	105				70 (70)	130 (106)	
	Acenaphthylene	50	47.7	ug/L	95				70 (79)	130 (103)	
	Acenaphthene	50	49.8	ug/L	100				70 (59)	130 (113)	
	Dibenzofuran	50	43.9	ug/L	88				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	54.6	ug/L	109				70 (60)	130 (115)	
	Fluorene	50	42.0	ug/L	84				70 (64)	130 (107)	
	Hexachlorobenzene	50	42.0	ug/L	84				70 (73)	130 (106)	
	Pentachlorophenol	100	100	ug/L	100				20 (47)	160 (114)	
	Phenanthrene	50	45.0	ug/L	90				70 (62)	130 (109)	
	Anthracene	50	46.6	ug/L	93				70 (65)	130 (110)	
	Carbazole	50	46.0	ug/L	92				70 (62)	130 (106)	
	Di-n-butylphthalate	50	45.1	ug/L	90				70 (64)	130 (106)	
	Fluoranthene	50	44.7	ug/L	89				70 (64)	130 (110)	
	Pyrene	50	44.9	ug/L	90				70 (71)	130 (103)	
	Benzo(a)anthracene	50	46.2	ug/L	92				70 (62)	130 (107)	
	Chrysene	50	46.4	ug/L	93				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	47.5	ug/L	95				70 (59)	130 (110)	
	Benzo(b)fluoranthene	50	48.6	ug/L	97				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	47.8	ug/L	96				70 (77)	130 (105)	
	Benzo(a)pyrene	50	51.8	ug/L	104				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	52.1	ug/L	104				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	51.1	ug/L	102				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	49.5	ug/L	99				70 (75)	130 (118)	
	1,4-Dioxane	50	28.8	ug/L	58				20 (38)	160 (125)	
	1-Methylnaphthalene	50	39.8	ug/L	80				70 (51)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3645

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP021595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162788BSD	Pyridine	50	27.2	ug/L	54	2			20 (29)	160 (97)	20 (20)
	Benzaldehyde	50	18.1	ug/L	36	1			20 (10)	160 (162)	20 (20)
	2-Methylphenol	50	44.9	ug/L	90	1			70 (69)	130 (109)	20 (20)
	3+4-Methylphenols	50	45.8	ug/L	92	1			20 (67)	160 (106)	20 (20)
	Hexachloroethane	50	42.4	ug/L	85	0			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	42.8	ug/L	86	3			70 (58)	130 (106)	20 (20)
	Naphthalene	50	42.5	ug/L	85	1			70 (64)	130 (107)	20 (20)
	Hexachlorobutadiene	50	39.9	ug/L	80	1			70 (69)	130 (101)	20 (20)
	2-Methylnaphthalene	50	42.5	ug/L	85	1			70 (64)	130 (107)	20 (20)
	2,4,6-Trichlorophenol	50	54.9	ug/L	110	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	53.4	ug/L	107	1			70 (70)	130 (106)	20 (20)
	Acenaphthylene	50	47.7	ug/L	95	0			70 (79)	130 (103)	20 (20)
	Acenaphthene	50	50.1	ug/L	100	1			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	44.7	ug/L	89	2			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	56.1	ug/L	112	3			70 (60)	130 (115)	20 (20)
	Fluorene	50	42.9	ug/L	86	2			70 (64)	130 (107)	20 (20)
	Hexachlorobenzene	50	41.8	ug/L	84	0			70 (73)	130 (106)	20 (20)
	Pentachlorophenol	100	100	ug/L	100	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	44.8	ug/L	90	0			70 (62)	130 (109)	20 (20)
	Anthracene	50	45.3	ug/L	91	3			70 (65)	130 (110)	20 (20)
	Carbazole	50	46.5	ug/L	93	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	45.2	ug/L	90	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.7	ug/L	89	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	43.8	ug/L	88	2			70 (71)	130 (103)	20 (20)
	Benzo(a)anthracene	50	46.1	ug/L	92	0			70 (62)	130 (107)	20 (20)
	Chrysene	50	46.0	ug/L	92	1			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	48.5	ug/L	97	2			70 (59)	130 (110)	20 (20)
	Benzo(b)fluoranthene	50	48.0	ug/L	96	1			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	48.2	ug/L	96	1			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	52.3	ug/L	105	1			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	52.6	ug/L	105	1			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	51.9	ug/L	104	2			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	50.1	ug/L	100	1			70 (75)	130 (118)	20 (20)
	1,4-Dioxane	50	28.3	ug/L	57	2			20 (38)	160 (125)	20 (20)
	1-Methylnaphthalene	50	40.5	ug/L	81	2			70 (51)	130 (114)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162788BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3645 SAS No.: P3645 SDG NO.: P3645

Lab File ID: BP021593.D Lab Sample ID: PB162788BL

Instrument ID: BNA_P Date Extracted: 08/16/2024

Matrix: (soil/water) Water Date Analyzed: 08/21/2024

Level: (low/med) LOW Time Analyzed: 10:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162788BS	PB162788BS	BP021594.D	08/21/2024
PB162788BSD	PB162788BSD	BP021595.D	08/21/2024
914-J-WS-081524	P3645-01	BM047280.D	08/20/2024
916-J-WS-081524	P3645-02	BM047281.D	08/20/2024

COMMENTS:

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

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3645 SDG NO.: P3645

Lab File ID: BM047139.D DFTPP Injection Date: 08/10/2024

Instrument ID: BNA_M DFTPP Injection Time: 12:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.7
68	Less than 2.0% of mass 69	0.6 (1.3) 1
69	Mass 69 relative abundance	44.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	58.1
443	15.0 - 24.0% of mass 442	11.4 (19.7) 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	BM047140.D	08/10/2024	13:12
SSTDICC005	SSTDICC005	BM047141.D	08/10/2024	13:52
SSTDICC010	SSTDICC010	BM047142.D	08/10/2024	14:31
SSTDICC020	SSTDICC020	BM047143.D	08/10/2024	15:11
SSTDICCC040	SSTDICCC040	BM047144.D	08/10/2024	15:51
SSTDICC050	SSTDICC050	BM047145.D	08/10/2024	16:31
SSTDICC060	SSTDICC060	BM047146.D	08/10/2024	17:11
SSTDICC080	SSTDICC080	BM047147.D	08/10/2024	17:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3645 SDG NO.: P3645

Lab File ID: BM047272.D DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_M DFTPP Injection Time: 15:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.7
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	58.4
443	15.0 - 24.0% of mass 442	11.6 (19.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM047273.D	08/20/2024	16:55
914-J-WS-081524	P3645-01	BM047280.D	08/20/2024	21:34
916-J-WS-081524	P3645-02	BM047281.D	08/20/2024	22:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3645 SDG NO.: P3645

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

Instrument ID: BNA_P DFTPP Injection Time: 11:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	97.2
443	15.0 - 24.0% of mass 442	18.7 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP021481.D	08/13/2024	12:32
SSTDICC005	SSTDICC005	BP021482.D	08/13/2024	13:15
SSTDICC010	SSTDICC010	BP021483.D	08/13/2024	13:59
SSTDICC020	SSTDICC020	BP021484.D	08/13/2024	14:42
SSTDICCC040	SSTDICCC040	BP021485.D	08/13/2024	15:26
SSTDICC050	SSTDICC050	BP021486.D	08/13/2024	16:09
SSTDICC060	SSTDICC060	BP021487.D	08/13/2024	16:53
SSTDICC080	SSTDICC080	BP021488.D	08/13/2024	17:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3645 SDG NO.: P3645

Lab File ID: BP021591.D DFTPP Injection Date: 08/21/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	94.9
443	15.0 - 24.0% of mass 442	18.7 (19.7) 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	BP021592.D	08/21/2024	10:10
PB162788BL	PB162788BL	BP021593.D	08/21/2024	10:52
PB162788BS	PB162788BS	BP021594.D	08/21/2024	12:19
PB162788BSD	PB162788BSD	BP021595.D	08/21/2024	13:08

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3645 SAS No.: P3645 SDG NO.: P3645

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BM047273.D Time Analyzed: 16:55

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	329969	7.357	1193760	10.12	731367	14.02
	UPPER LIMIT	659938	7.857	2387520	10.616	1462730	14.522
	LOWER LIMIT	164985	6.857	596880	9.616	365684	13.522
	EPA SAMPLE NO.						
01	916-J-WS-081524	312772	7.36	1142660	10.11	745797	14.02
02	914-J-WS-081524	298308	7.36	1085870	10.11	684460	14.02

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.: P3645 SAS No.: P3645 SDG NO.: P3645

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BM047273.D Time Analyzed: 16:55

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1421240	16.786	1062420	21.027	1267880	23.721
	UPPER LIMIT	2842480	17.286	2124840	21.527	2535760	24.221
	LOWER LIMIT	710620	16.286	531210	20.527	633940	23.221
	EPA SAMPLE NO.						
01	916-J-WS-081524	1530970	16.78	1309540	21.02	1291410	23.72
02	914-J-WS-081524	1321030	16.78	1060410	21.02	1115040	23.72

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.: P3645 SAS No.: P3645 SDG NO.: P3645

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/21/2024

Lab File ID: BP021592.D Time Analyzed: 10:10

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	299938	7.804	1244550	10.59	863135	14.45
	UPPER LIMIT	599876	8.304	2489100	11.093	1726270	14.951
	LOWER LIMIT	149969	7.304	622275	10.093	431568	13.951
	EPA SAMPLE NO.						
01	PB162788BL	378034	7.81	1462910	10.59	910755	14.45
02	PB162788BS	422633	7.81	1649510	10.59	1043040	14.46
03	PB162788BSD	384224	7.79	1531740	10.58	1006860	14.45

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.: P3645 SAS No.: P3645 SDG NO.: P3645

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/21/2024

Lab File ID: BP021592.D Time Analyzed: 10:10

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1998550	17.263	2127500	21.733	2528930	25.174
	UPPER LIMIT	3997100	17.763	4255000	22.233	5057860	25.674
	LOWER LIMIT	999275	16.763	1063750	21.233	1264470	24.674
	EPA SAMPLE NO.						
01	PB162788BL	2055960	17.26	2128570	21.72	2476210	25.17
02	PB162788BS	2218670	17.26	2116510	21.73	2397430	25.17
03	PB162788BSD	2217860	17.28	2163190	21.75	2473130	25.19

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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SAMPLE DATA

Raw Data: **BM047280.D**

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/15/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/15/24
Client Sample ID:	914-J-WS-081524	SDG No.:	P3645
Lab Sample ID:	P3645-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 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
BM047280.D	1	08/16/24 10:33	08/20/24 21:34	PB162788

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	4.10	U	4.10	10.3	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	10.3	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	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	0.92	U	0.92	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	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	0.96	U	0.96	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
86-73-7	Fluorene	0.99	U	0.99	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	10.3	ug/L
85-01-8	Phenanthrene	0.92	U	0.92	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	0.97	U	0.97	5.20	ug/L
218-01-9	Chrysene	0.89	U	0.89	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	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

Raw Data: **BM047280.D**

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/15/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/15/24
Client Sample ID:	914-J-WS-081524	SDG No.:	P3645
Lab Sample ID:	P3645-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 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
BM047280.D	1	08/16/24 10:33	08/20/24 21:34	PB162788

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	0.89	U	0.89	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	80.6		15 (10) - 110 (139)	54%	SPK: 150
13127-88-3	Phenol-d6	49.9		15 (10) - 110 (134)	33%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.5		30 (49) - 130 (133)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.1		30 (52) - 130 (132)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	88.3		30 (48) - 130 (125)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	298000	7.357			
1146-65-2	Naphthalene-d8	1090000	10.11			
15067-26-2	Acenaphthene-d10	684000	14.016			
1517-22-2	Phenanthrene-d10	1320000	16.78			
1719-03-5	Chrysene-d12	1060000	21.021			
1520-96-3	Perylene-d12	1120000	23.715			

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_M\Data\BM082024\
Data File : BM047280.D
Acq On : 20 Aug 2024 21:34
Operator : RC/JU
Sample : P3645-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Quant Time: Aug 21 02:50:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

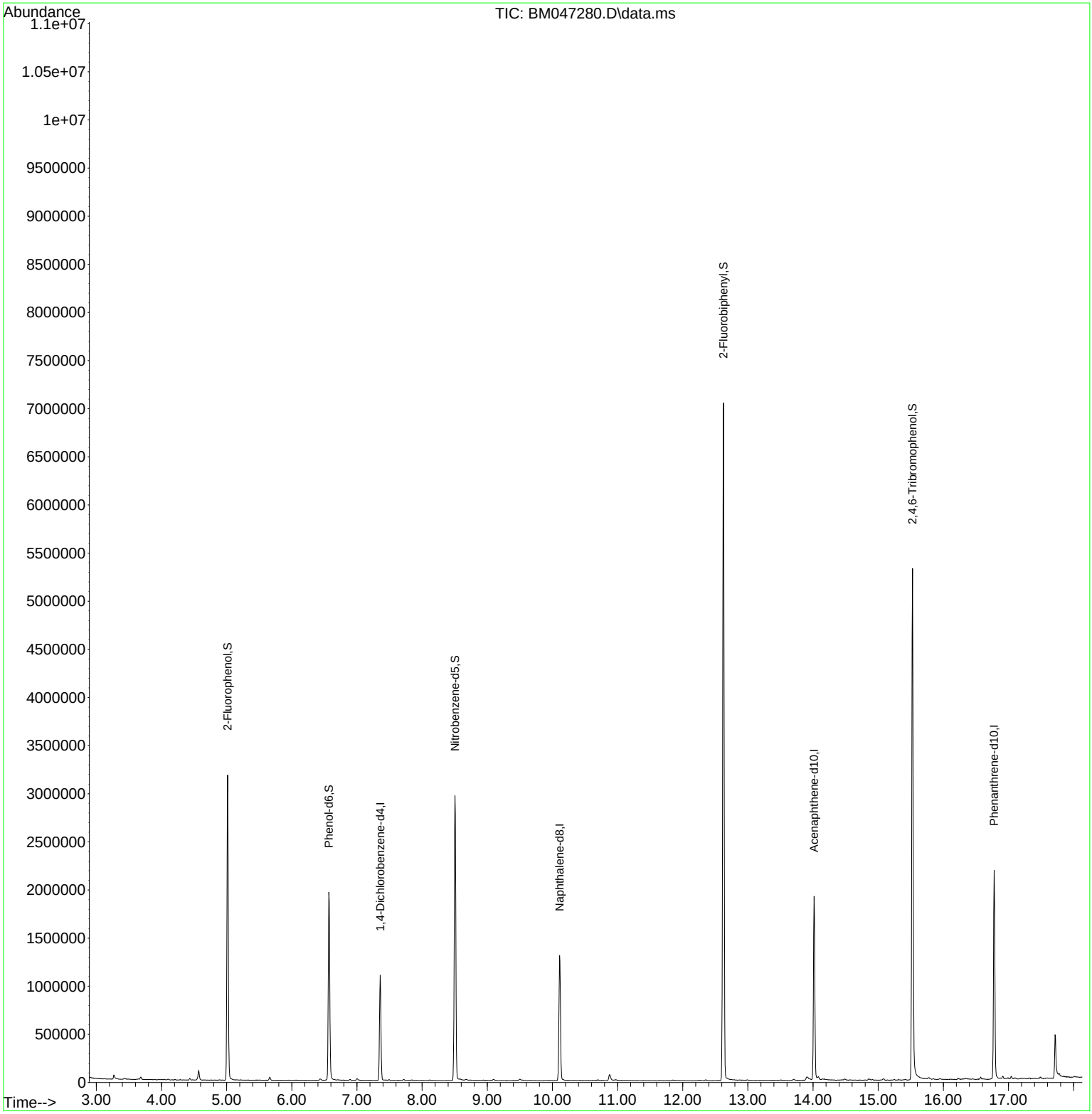
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.357	152	298308	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1085870	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	684460	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1321034	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1060406	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1115038	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1346112	80.631	ng	0.00
7) Phenol-d6	6.569	99	1148482	49.926	ng	-0.02
23) Nitrobenzene-d5	8.504	82	1736153	80.508	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	1026596	129.352	ng	-0.01
45) 2-Fluorobiphenyl	12.627	172	3866887	87.146	ng	-0.02
79) Terphenyl-d14	19.450	244	4372101	88.347	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047280.D
Acq On : 20 Aug 2024 21:34
Operator : RC/JU
Sample : P3645-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

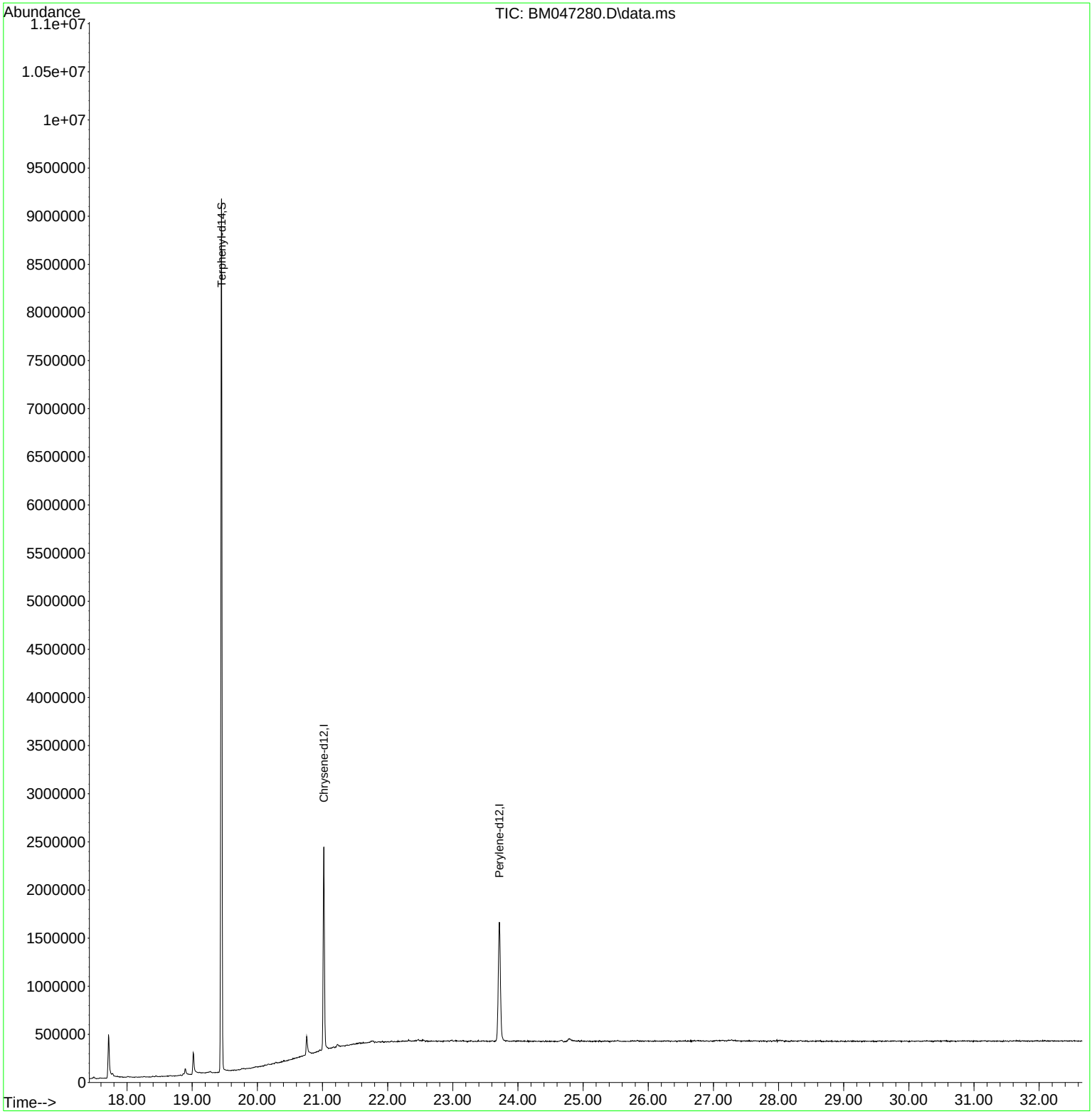
Quant Time: Aug 21 02:50:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

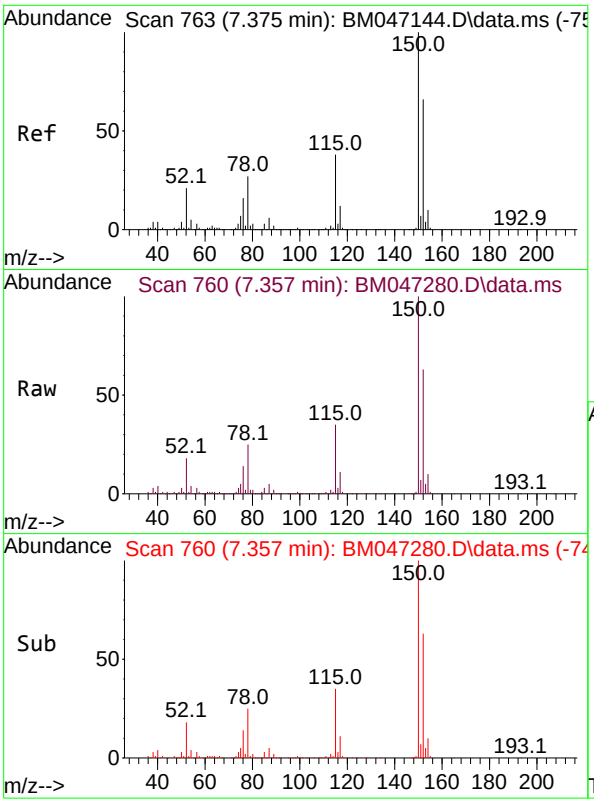


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047280.D
Acq On : 20 Aug 2024 21:34
Operator : RC/JU
Sample : P3645-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Quant Time: Aug 21 02:50:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



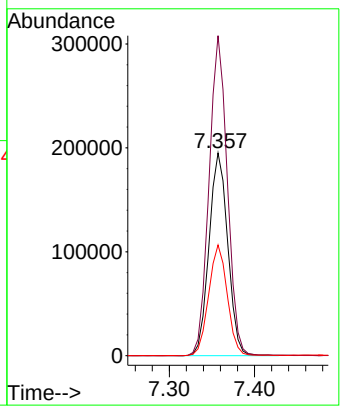


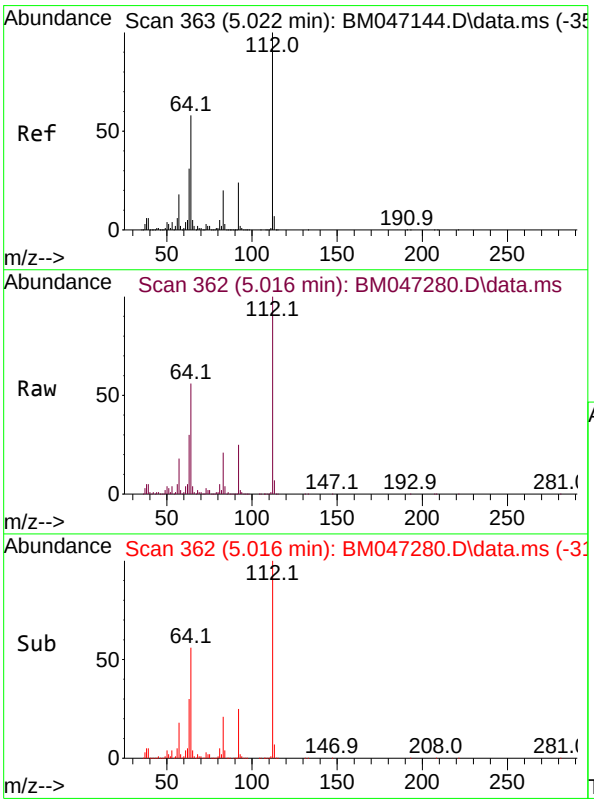
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.357 min Scan# 7
Delta R.T. -0.018 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Tgt Ion:152 Resp: 298308

Ion	Ratio	Lower	Upper
152	100		
150	157.9	120.5	180.7
115	54.6	45.5	68.3

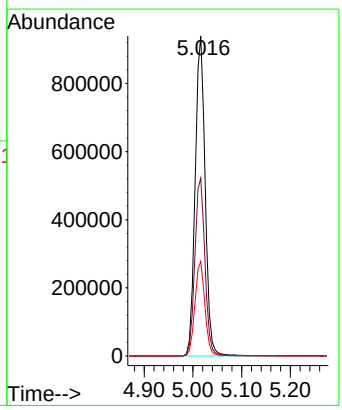


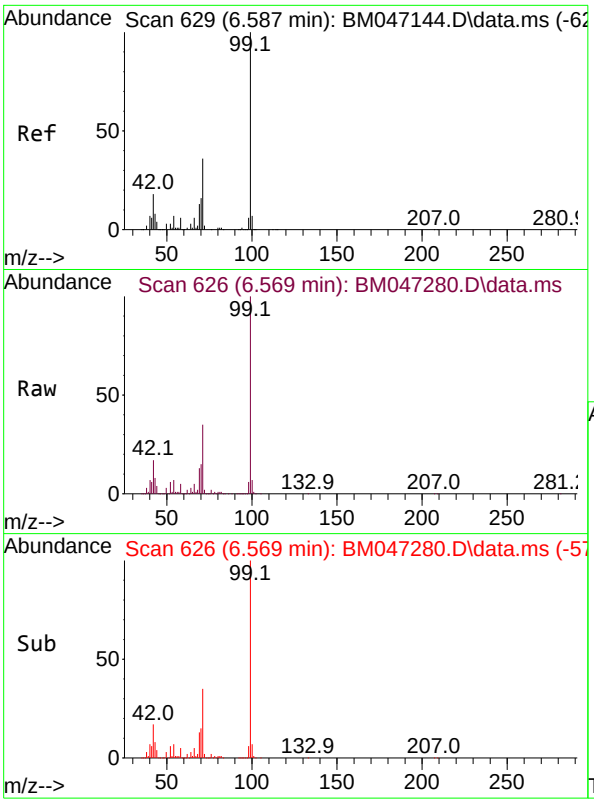


#5
2-Fluorophenol
Concen: 80.631 ng
RT: 5.016 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Tgt Ion:112 Resp: 1346112

Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.7	70.1
63	29.5	24.8	37.2



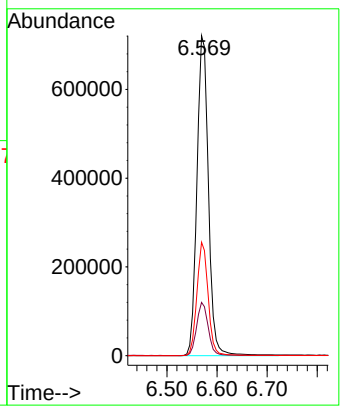


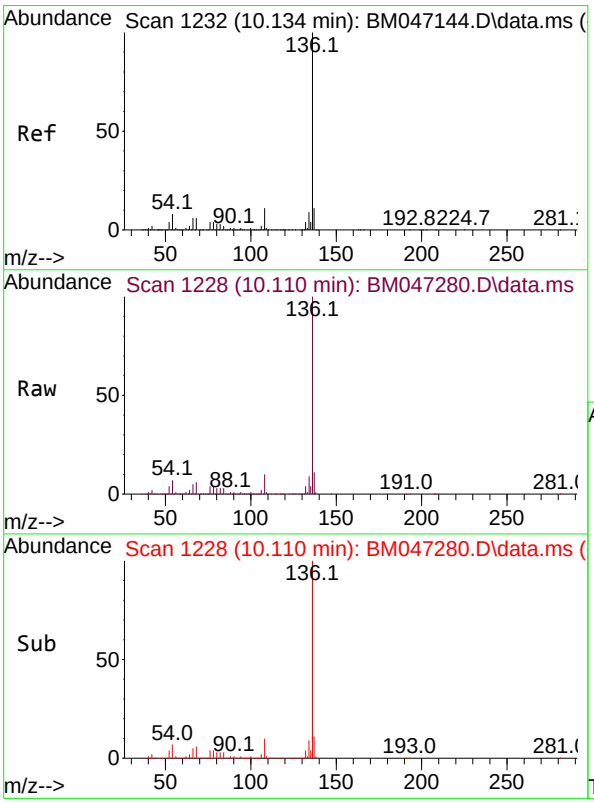
#7
Phenol-d6
Concen: 49.926 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Tgt Ion: 99 Resp: 1148482

Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.1	21.1
71	35.4	28.5	42.7

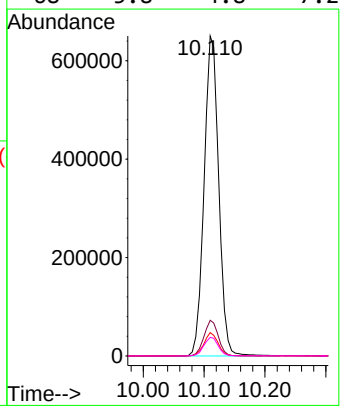


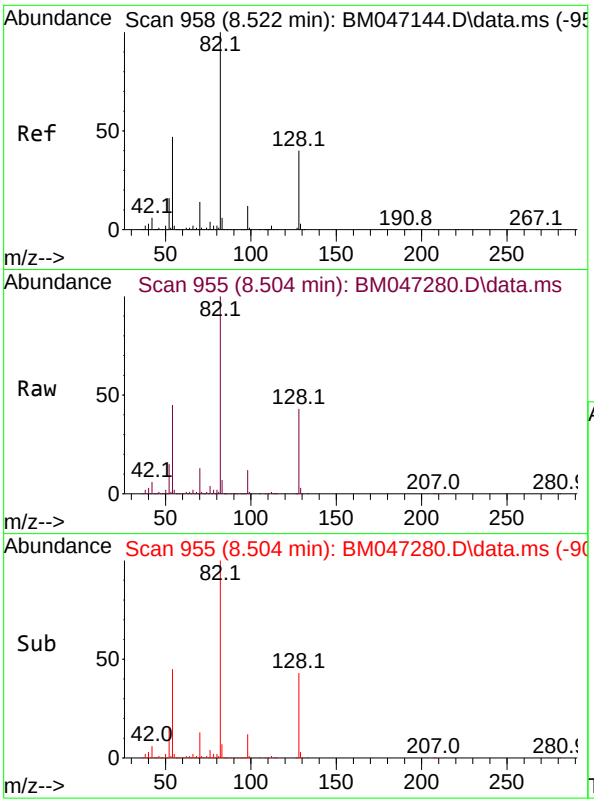


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Tgt Ion:136 Resp: 1085870

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.3	6.0	9.0
68	5.8	4.8	7.2



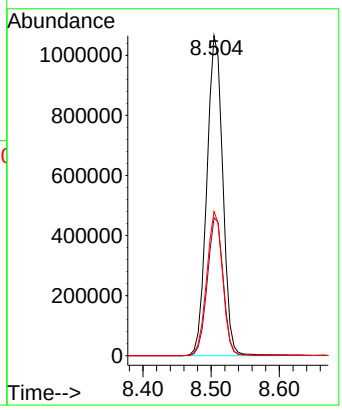


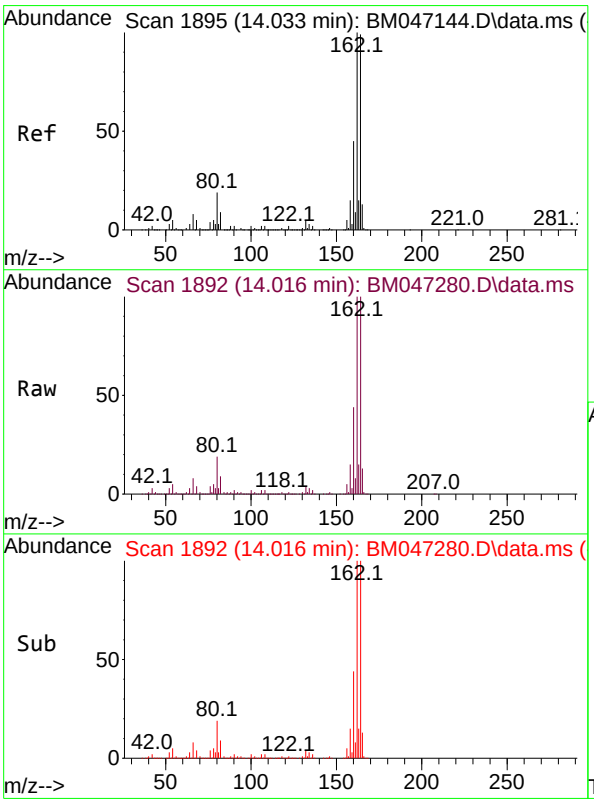
#23
Nitrobenzene-d5
Concen: 80.508 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Tgt Ion: 82 Resp: 1736153

Ion	Ratio	Lower	Upper
82	100		
128	43.1	32.3	48.5
54	45.1	37.4	56.2

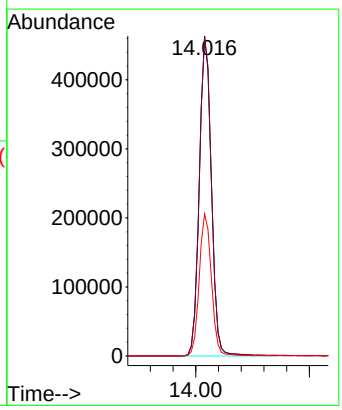


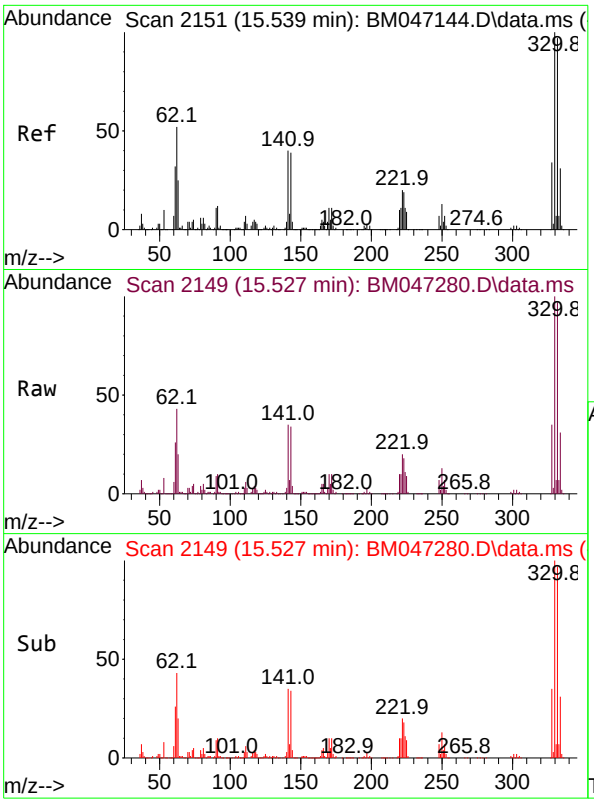


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Tgt Ion:164 Resp: 684460

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.7	121.1
160	44.4	36.0	54.0



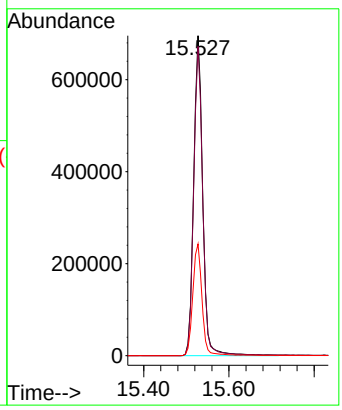


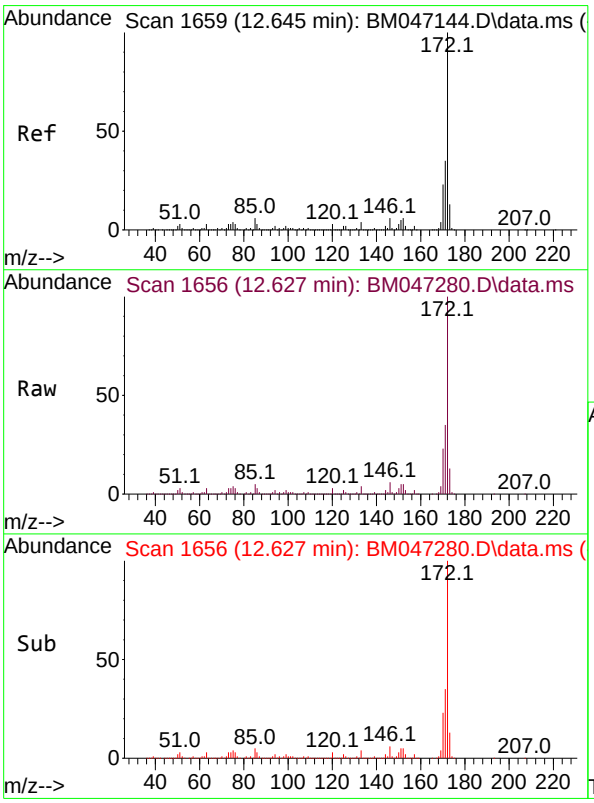
#42
2,4,6-Tribromophenol
Concen: 129.352 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Tgt Ion:330 Resp: 1026596

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	35.8	31.6	47.4

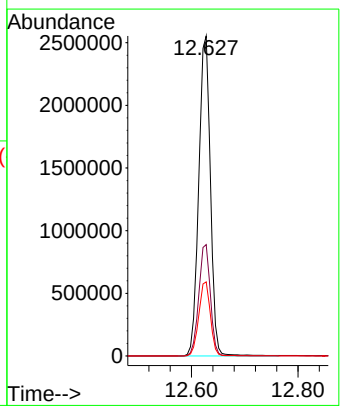


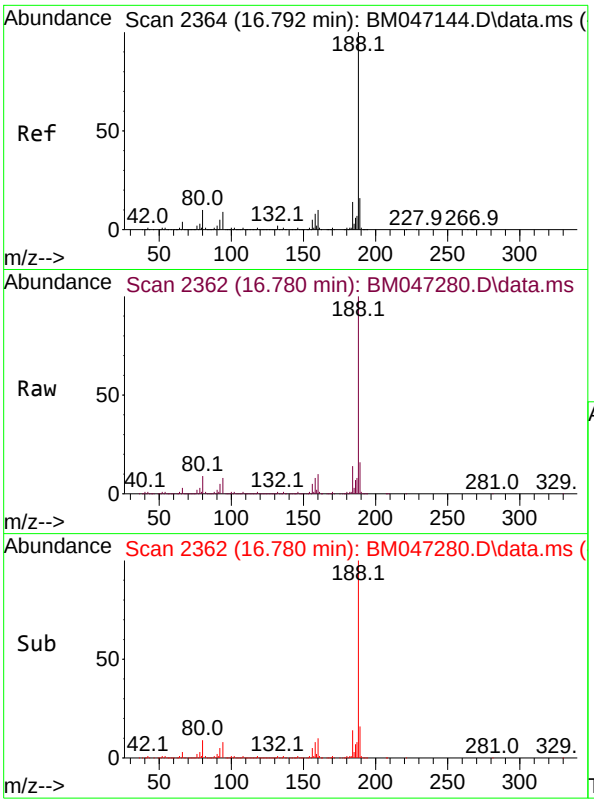


#45
2-Fluorobiphenyl
Concen: 87.146 ng
RT: 12.627 min Scan# 1656
Delta R.T. -0.018 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Tgt Ion:172 Resp: 3866887

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.7	28.1



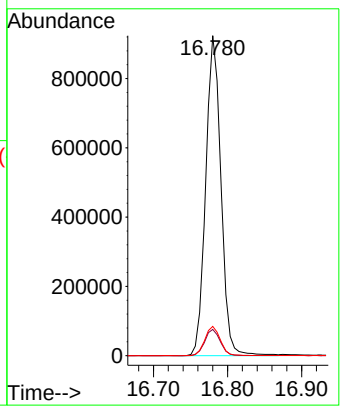


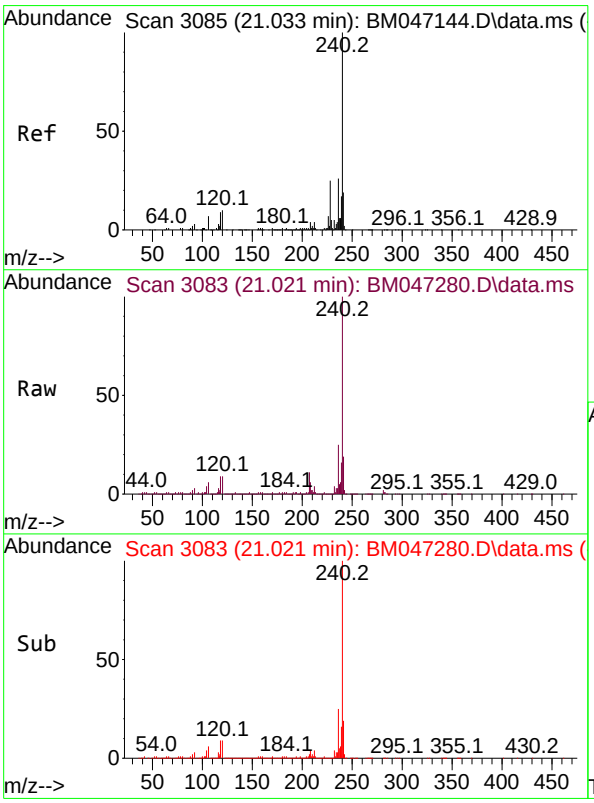
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Tgt Ion:188 Resp: 1321034

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	9.2	8.0	12.0

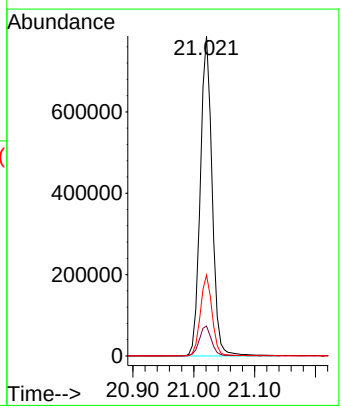


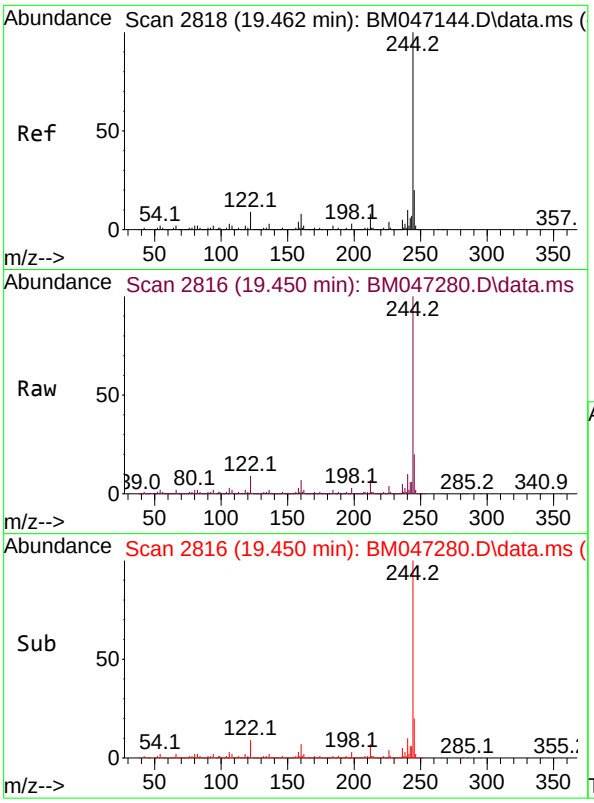


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Tgt Ion:240 Resp: 1060406

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.3	20.6	30.8



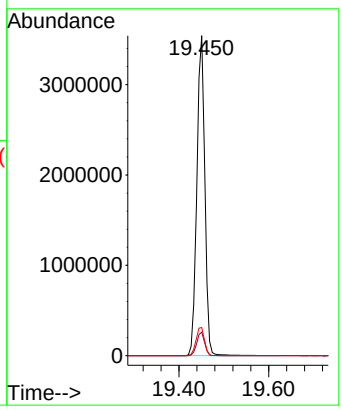


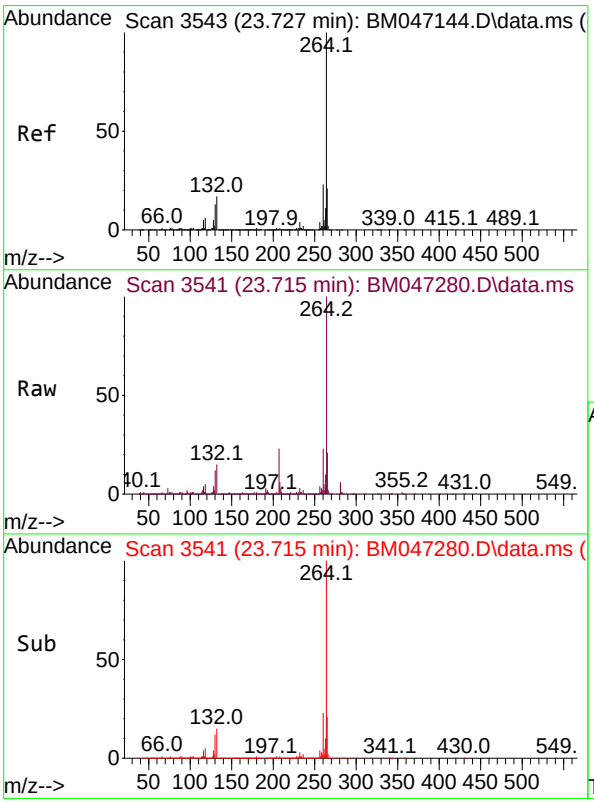
#79
Terphenyl-d14
Concen: 88.347 ng
RT: 19.450 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Instrument :
BNA_M
ClientSampleId :
914-J-WS-081524

Tgt Ion:244 Resp: 4372101

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	8.8	7.1	10.7

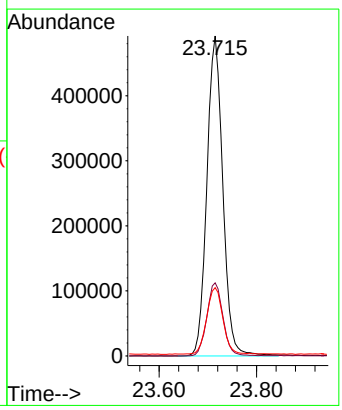




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BM047280.D
Acq: 20 Aug 2024 21:34

Tgt Ion:264 Resp: 1115038

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.3	17.3	25.9



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/15/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/15/24
Client Sample ID:	916-J-WS-081524	SDG No.:	P3645
Lab Sample ID:	P3645-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 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
BM047281.D	1	08/16/24 10:33	08/20/24 22:14	PB162788

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	4.10	U	4.10	10.3	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	10.3	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	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	0.92	U	0.92	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	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	0.96	U	0.96	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
86-73-7	Fluorene	0.99	U	0.99	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	10.3	ug/L
85-01-8	Phenanthrene	0.92	U	0.92	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	0.97	U	0.97	5.20	ug/L
218-01-9	Chrysene	0.89	U	0.89	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	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

Raw Data: **BM047281.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/15/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/15/24
Client Sample ID:	916-J-WS-081524	SDG No.:	P3645
Lab Sample ID:	P3645-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 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
BM047281.D	1	08/16/24 10:33	08/20/24 22:14	PB162788

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	0.89	U	0.89	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	72.6		15 (10) - 110 (139)	48%	SPK: 150
13127-88-3	Phenol-d6	45.2		15 (10) - 110 (134)	30%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.9		30 (49) - 130 (133)	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.6		30 (52) - 130 (132)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	93.5		30 (48) - 130 (125)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	313000	7.357			
1146-65-2	Naphthalene-d8	1140000	10.11			
15067-26-2	Acenaphthene-d10	746000	14.016			
1517-22-2	Phenanthrene-d10	1530000	16.78			
1719-03-5	Chrysene-d12	1310000	21.021			
1520-96-3	Perylene-d12	1290000	23.715			

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_M\Data\BM082024\
Data File : BM047281.D
Acq On : 20 Aug 2024 22:14
Operator : RC/JU
Sample : P3645-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Quant Time: Aug 21 02:50:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

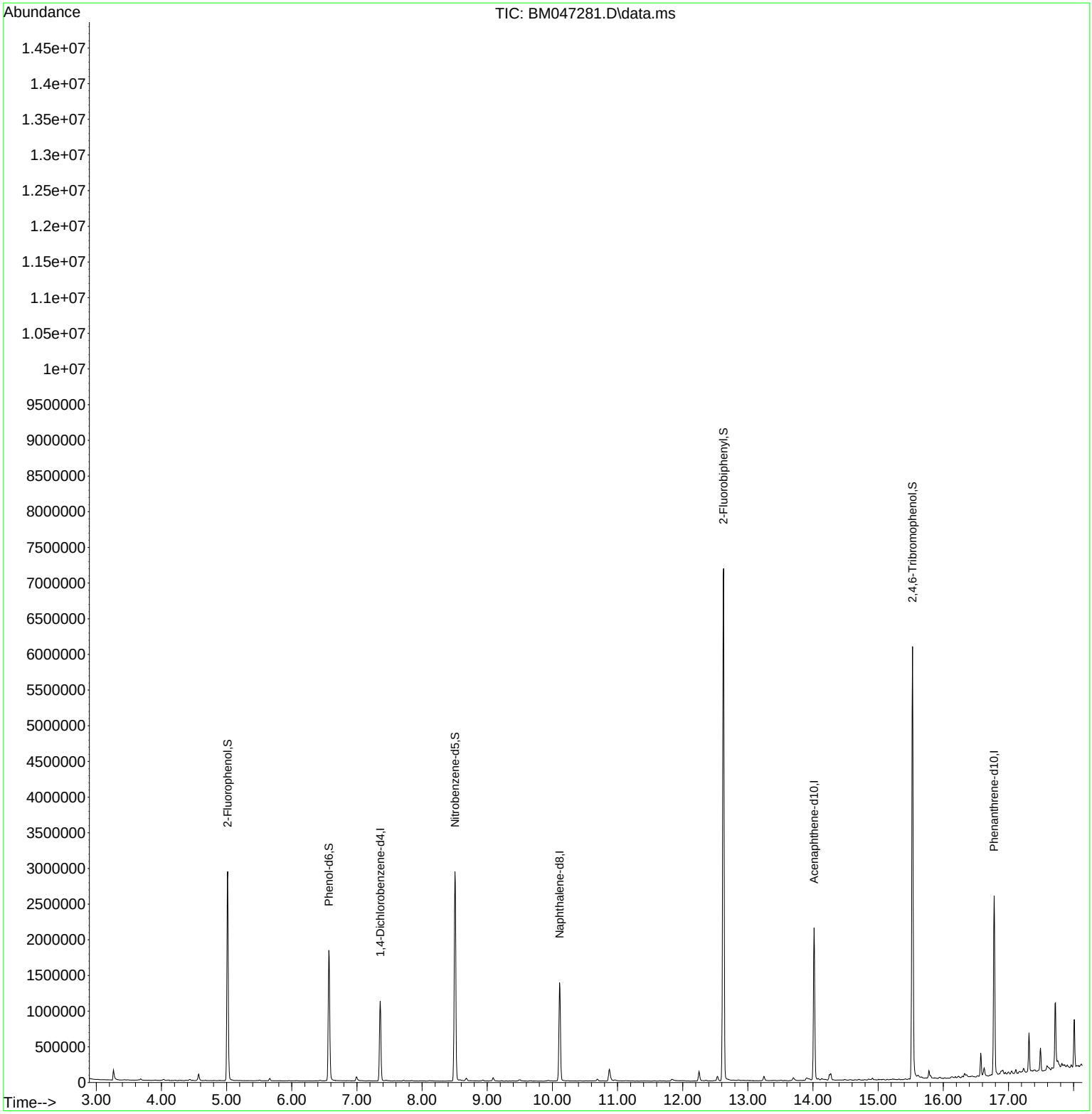
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.357	152	312772	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1142660	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	745797	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1530970	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1309543	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1291407	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1270694	72.594	ng	0.00
7) Phenol-d6	6.569	99	1090156	45.199	ng	-0.02
23) Nitrobenzene-d5	8.504	82	1744202	76.861	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	1147929	132.745	ng	-0.01
45) 2-Fluorobiphenyl	12.628	172	3947185	81.639	ng	-0.02
79) Terphenyl-d14	19.451	244	5714616	93.506	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047281.D
Acq On : 20 Aug 2024 22:14
Operator : RC/JU
Sample : P3645-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Quant Time: Aug 21 02:50:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

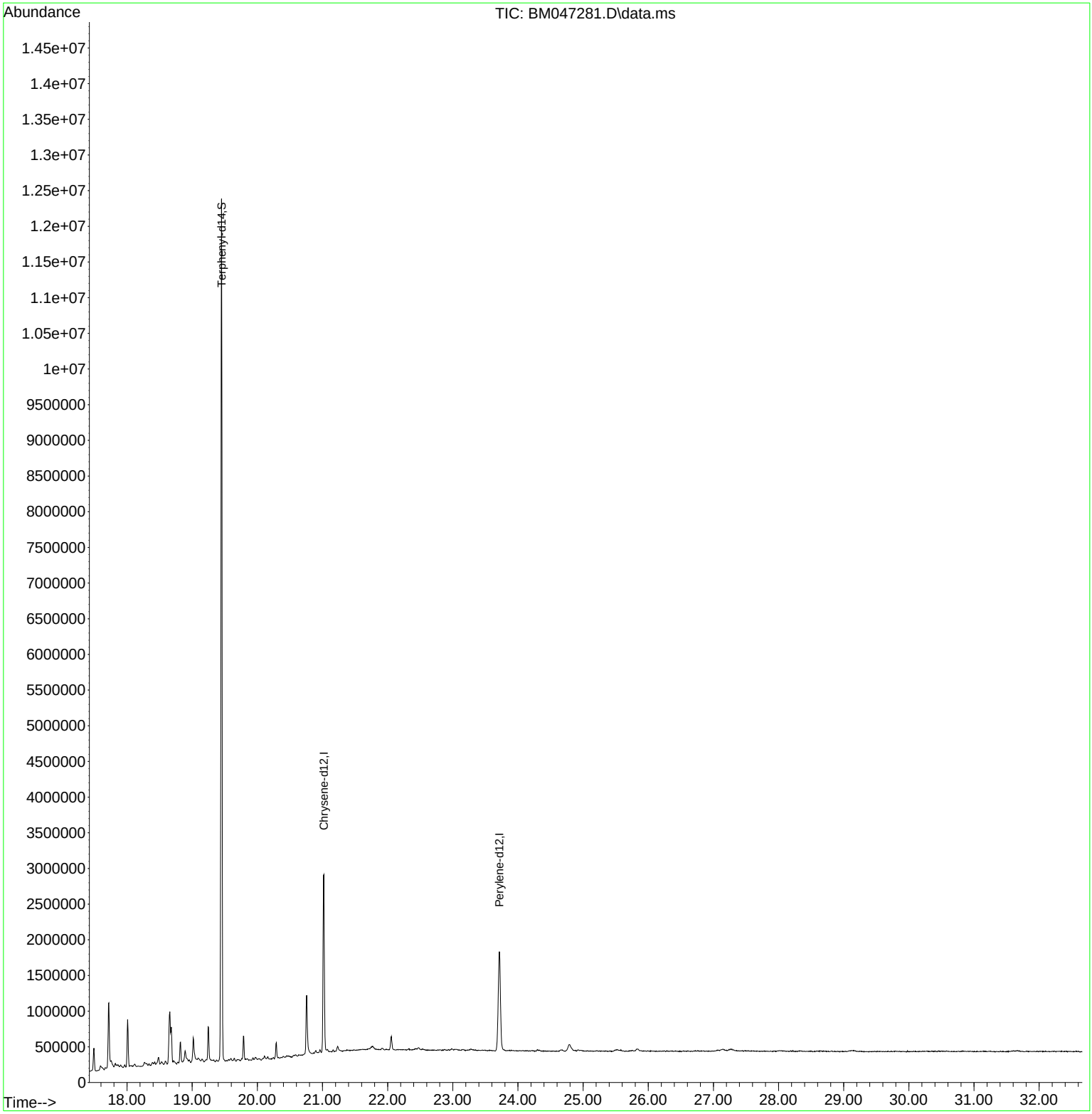


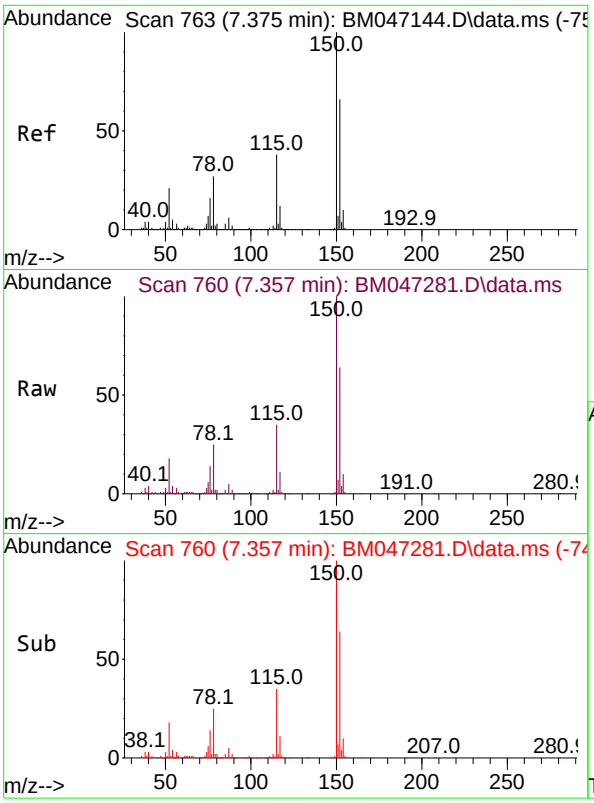
Sample Results: **BM047281.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047281.D
Acq On : 20 Aug 2024 22:14
Operator : RC/JU
Sample : P3645-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Quant Time: Aug 21 02:50:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



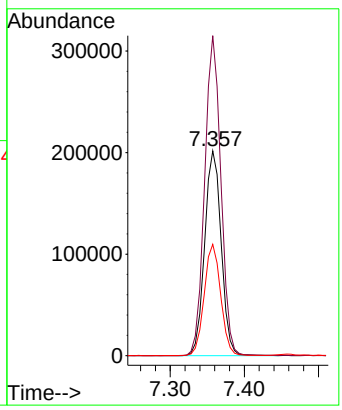


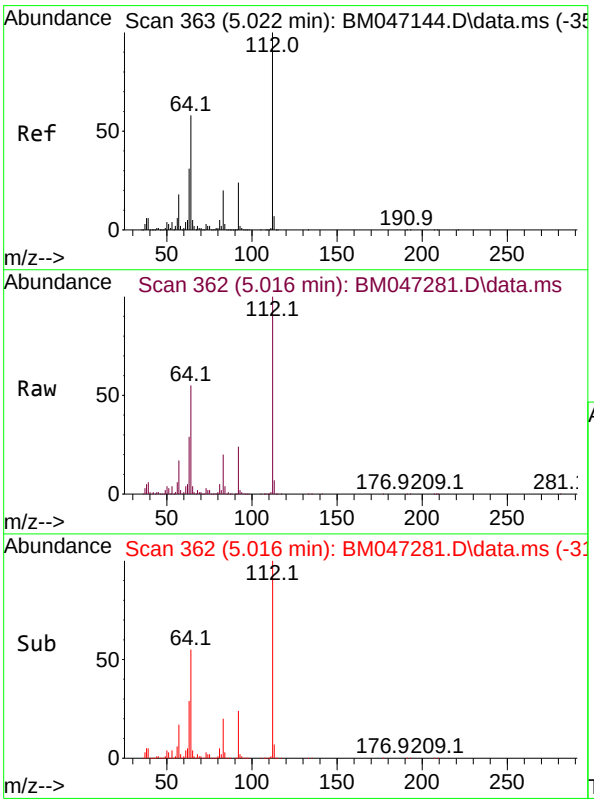
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.357 min Scan# 7
Delta R.T. -0.018 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Tgt Ion:152 Resp: 312772

Ion	Ratio	Lower	Upper
152	100		
150	156.3	120.5	180.7
115	54.4	45.5	68.3

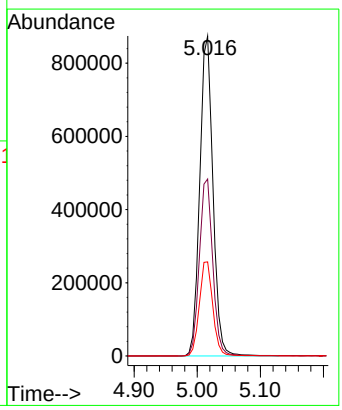


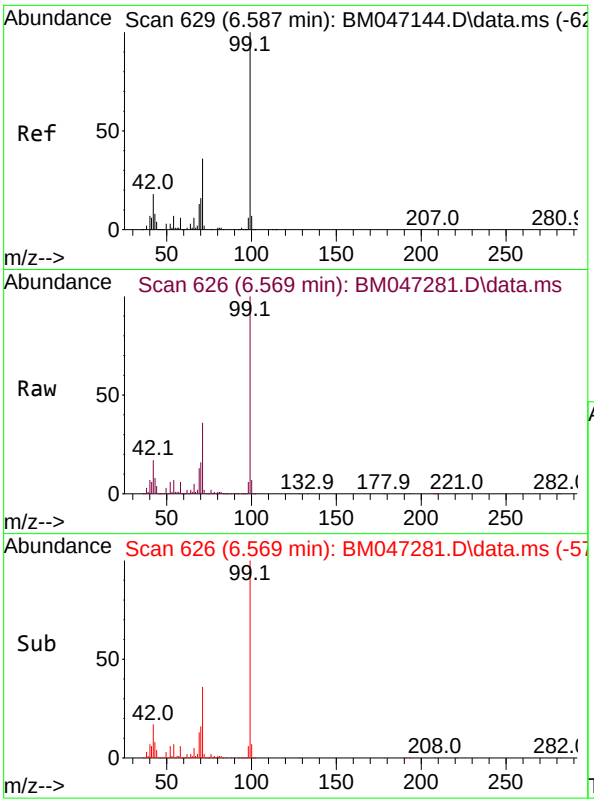


#5
2-Fluorophenol
Concen: 72.594 ng
RT: 5.016 min Scan# 362
Delta R.T. -0.006 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Tgt Ion:112 Resp: 1270694

Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.7	70.1
63	29.4	24.8	37.2



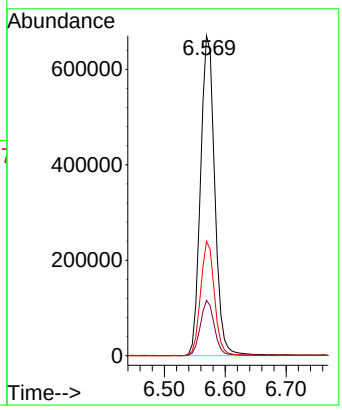


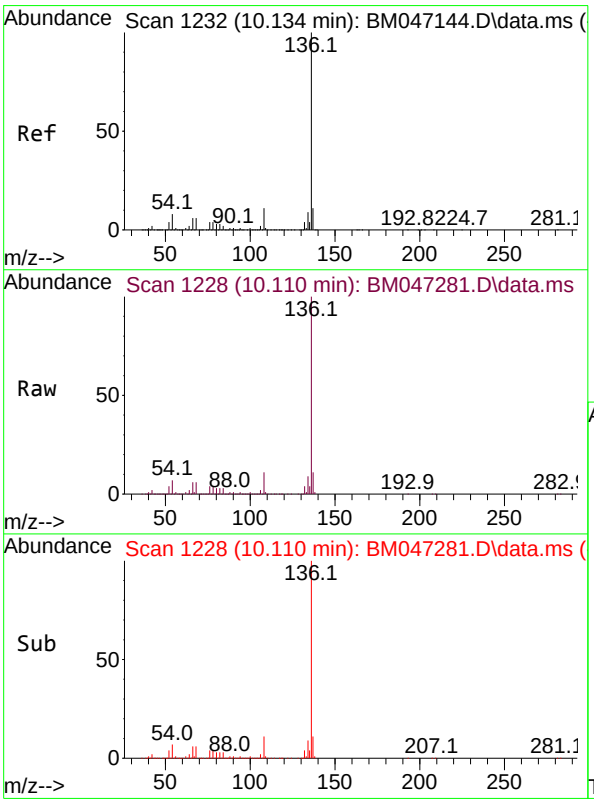
#7
Phenol-d6
Concen: 45.199 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Tgt Ion: 99 Resp: 1090156

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.1	21.1
71	35.8	28.5	42.7

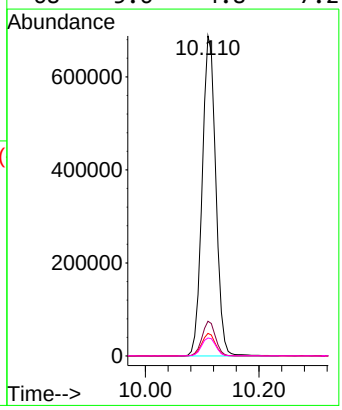


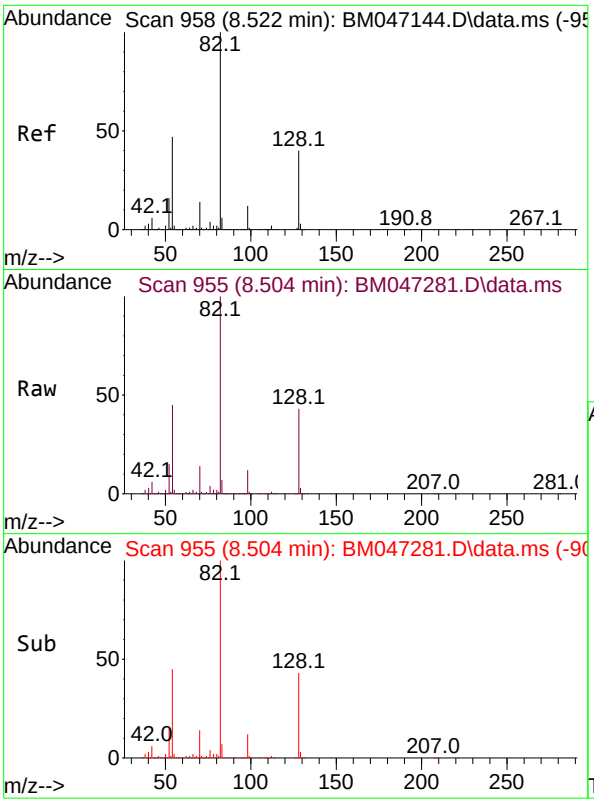


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Tgt Ion:136 Resp: 1142660

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.1	6.0	9.0
68	5.6	4.8	7.2



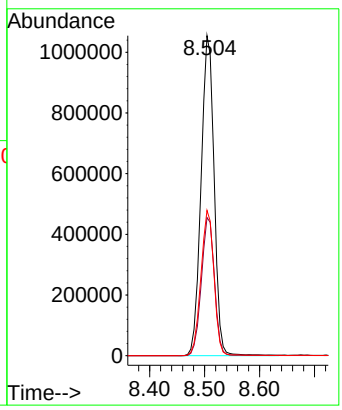


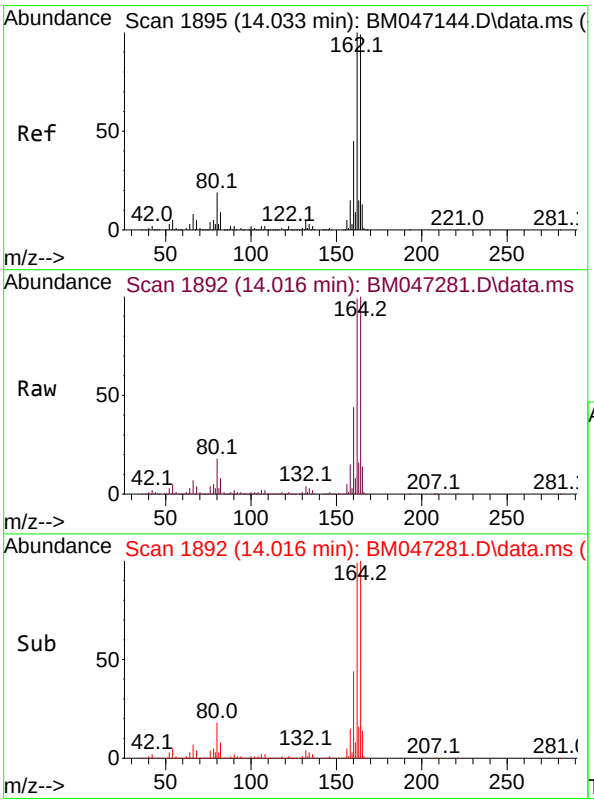
#23
Nitrobenzene-d5
Concen: 76.861 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Tgt Ion: 82 Resp: 1744202

Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.3	48.5
54	45.4	37.4	56.2

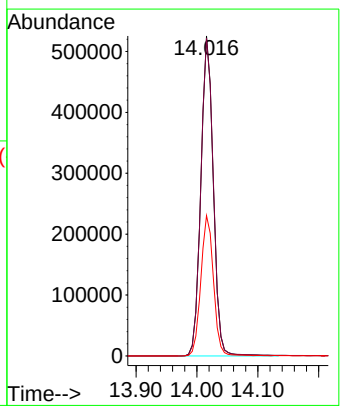


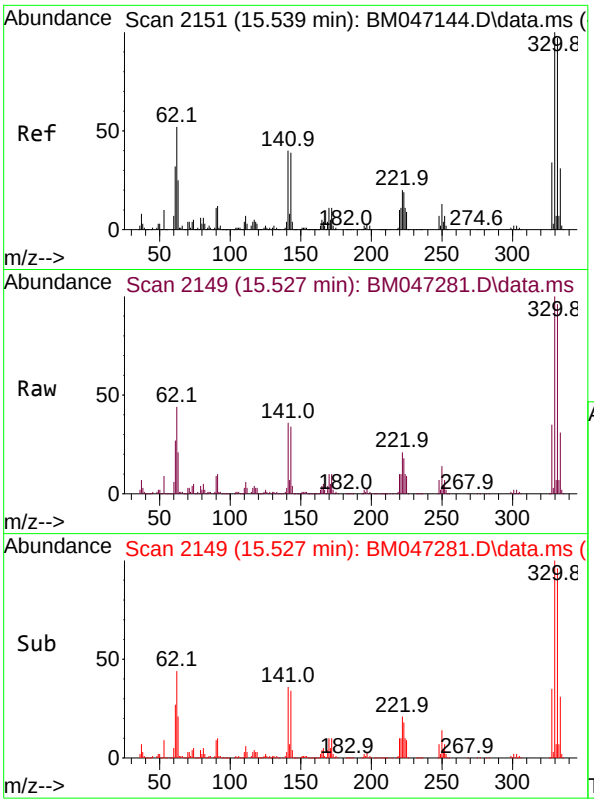


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Tgt Ion:164 Resp: 745797

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.7	121.1
160	43.8	36.0	54.0



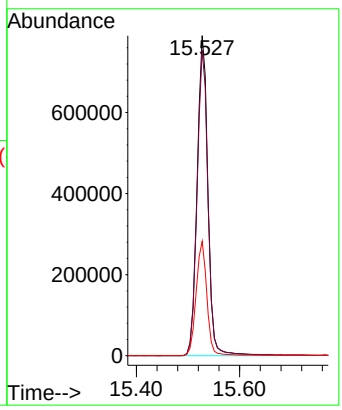


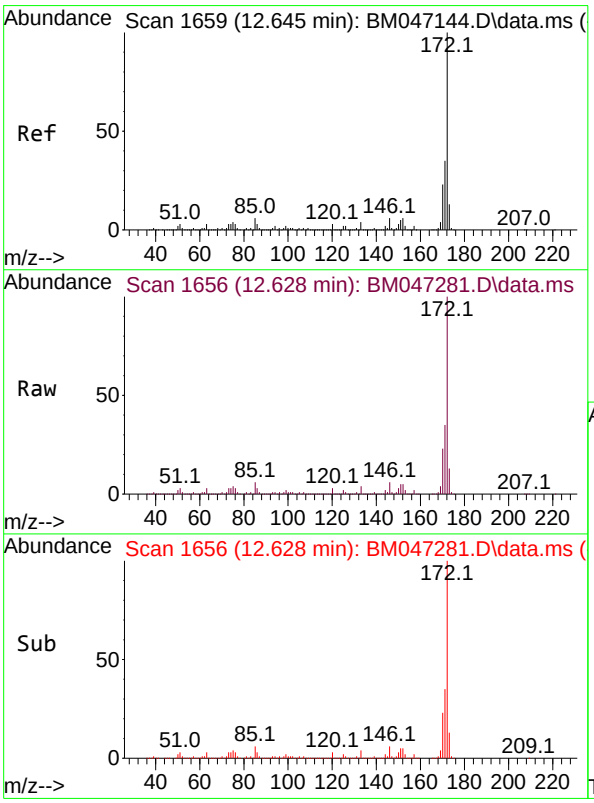
#42
2,4,6-Tribromophenol
Concen: 132.745 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Tgt Ion:330 Resp: 1147929

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.2
141	35.4	31.6	47.4

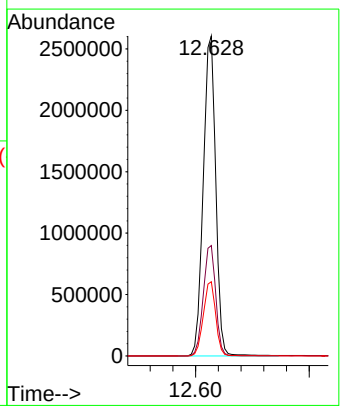


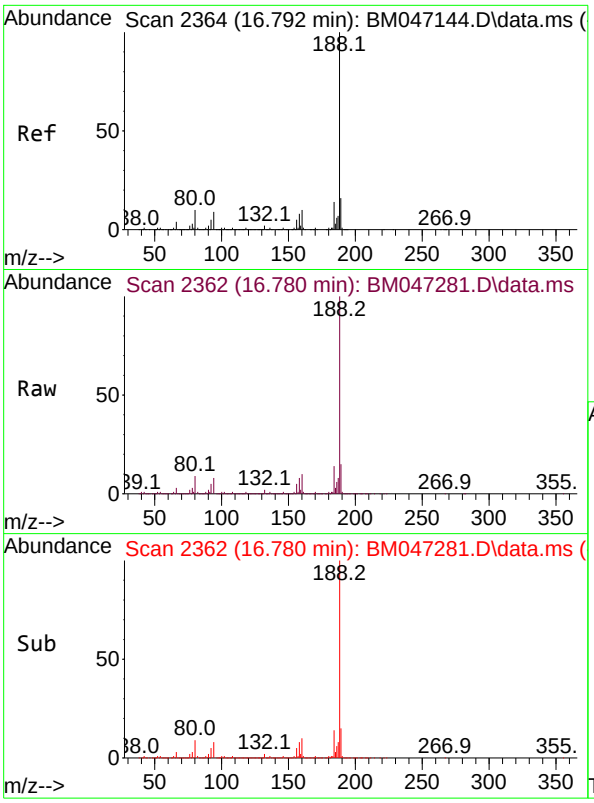


#45
2-Fluorobiphenyl
Concen: 81.639 ng
RT: 12.628 min Scan# 1656
Delta R.T. -0.017 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Tgt Ion:172 Resp: 3947185

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.2	18.7	28.1



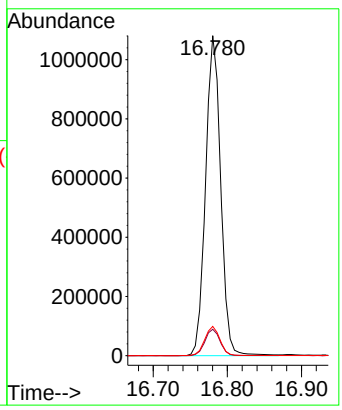


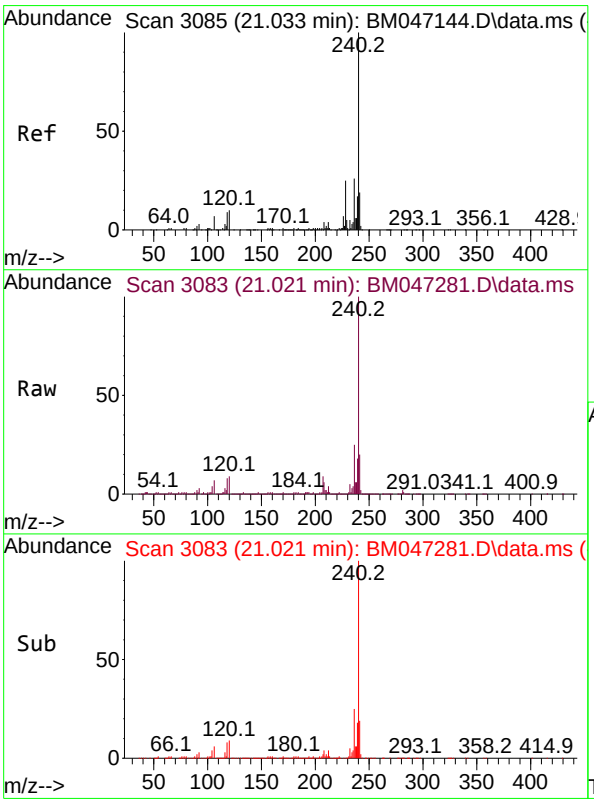
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Tgt Ion:188 Resp: 1530970

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.6
80	9.2	8.0	12.0

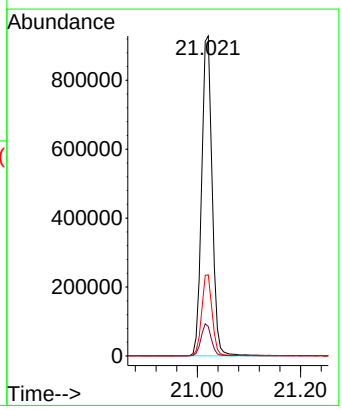


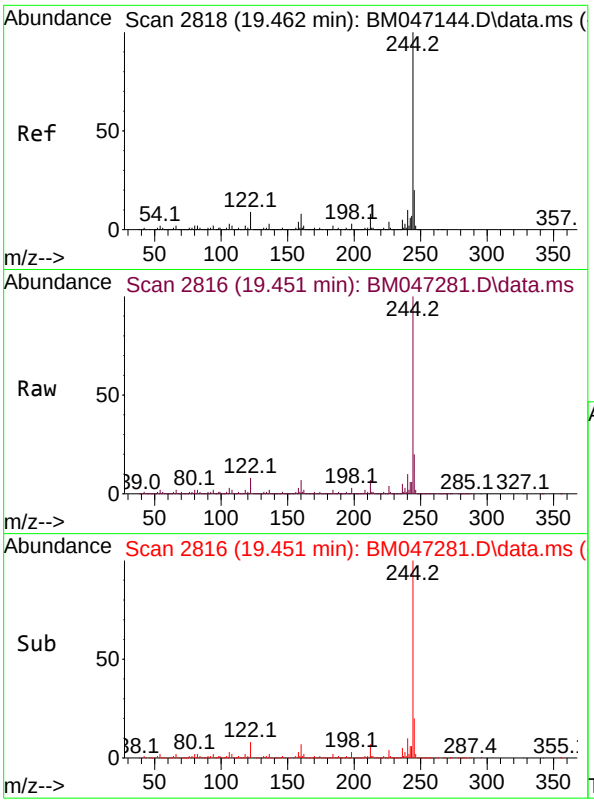


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Tgt Ion:240 Resp: 1309543

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.2	12.2
236	25.4	20.6	30.8



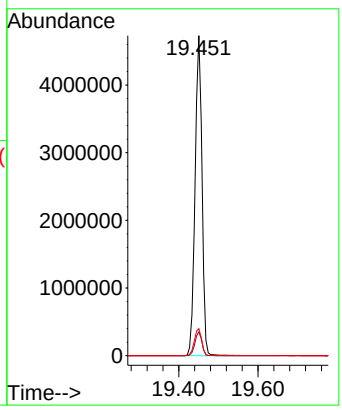


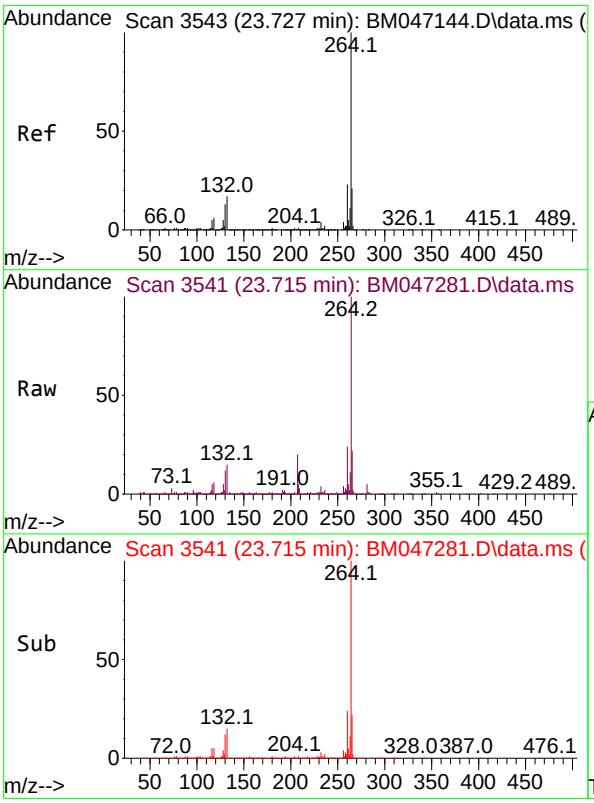
#79
Terphenyl-d14
Concen: 93.506 ng
RT: 19.451 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Instrument :
BNA_M
ClientSampleId :
916-J-WS-081524

Tgt Ion:244 Resp: 5714616

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.4
122	8.5	7.1	10.7

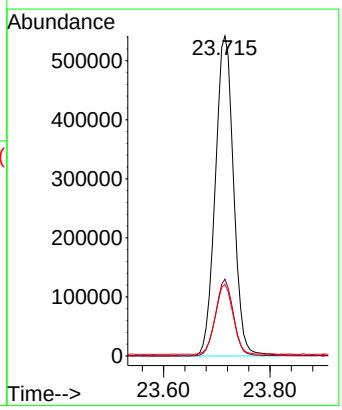




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BM047281.D
Acq: 20 Aug 2024 22:14

Tgt Ion:264 Resp: 1291407

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	22.3	17.3	25.9



CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Aug 11 23:47:58 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047140.D 5 =BM047141.D 10 =BM047142.D 20 =BM047143.D 40 =BM047144.D 50 =BM047145.D 60 =BM047146.D 80 =BM0471
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.519	0.490	0.495	0.438	0.436	0.442	0.426	0.464	7.88
3)		Pyridine		1.448	1.390	1.458	1.302	1.299	1.322	1.301	1.360	5.22
4)		n-Nitrosodimet...		0.643	0.612	0.629	0.570	0.564	0.583	0.558	0.594	5.71
5)	S	2-Fluorophenol		1.215	1.184	1.197	1.071	1.050	1.071	1.046	1.119	6.73
6)		Aniline		1.546	1.516	1.583	1.428	1.401	1.395	1.334	1.458	6.27
7)	S	Phenol-d6		1.643	1.599	1.652	1.478	1.470	1.494	1.462	1.542	5.52
8)		2-Chlorophenol		1.306	1.271	1.324	1.185	1.167	1.166	1.127	1.221	6.38
9)		Benzaldehyde		1.187	1.048	1.024	0.776	0.750	0.641		0.904	23.43
10)	C	Phenol		1.695	1.600	1.645	1.453	1.450	1.477	1.453	1.539	6.80
11)		bis(2-Chloroet...		1.431	1.361	1.407	1.283	1.267	1.266	1.211	1.318	6.24
12)		1,3-Dichlorobe...		1.567	1.506	1.537	1.408	1.394	1.393	1.350	1.451	5.81
13)	C	1,4-Dichlorobe...		1.581	1.532	1.562	1.429	1.405	1.412	1.360	1.469	5.95
14)		1,2-Dichlorobe...		1.526	1.468	1.514	1.314	1.308	1.309	1.261	1.386	8.10
15)		Benzyl Alcohol		1.083	1.074	1.189	1.098	1.076	1.101	1.063	1.098	3.88
16)		2,2'-oxybis(1-...		1.904	1.777	1.859	1.659	1.616	1.547	1.477	1.691	9.48
17)		2-Methylphenol		1.064	1.055	1.115	1.003	0.998	0.993	0.959	1.027	5.20
18)		Hexachloroethane		0.609	0.577	0.600	0.551	0.553	0.560	0.533	0.569	4.84
19)	P	n-Nitroso-di-n...	1.087	1.169	1.095	1.138	0.982	0.965	0.959	0.916	1.039	9.12
20)		3+4-Methylphenols		1.462	1.442	1.570	1.411	1.405	1.405	1.352	1.435	4.77
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.547	0.517	0.510	0.462	0.450	0.452	0.441	0.483	8.55
23)	S	Nitrobenzene-d5		0.423	0.417	0.420	0.390	0.378	0.382	0.372	0.397	5.53
24)		Nitrobenzene		0.425	0.427	0.428	0.393	0.380	0.378	0.369	0.400	6.44
25)		Isophorone		0.712	0.706	0.732	0.688	0.668	0.679	0.656	0.692	3.84
26)	C	2-Nitrophenol		0.156	0.166	0.180	0.182	0.182	0.189	0.185	0.177	6.56
27)		2,4-Dimethylph...		0.200	0.209	0.217	0.209	0.206	0.209	0.204	0.207	2.64
28)		bis(2-Chloroet...		0.461	0.461	0.458	0.435	0.421	0.414	0.396	0.435	5.97
29)	C	2,4-Dichloroph...		0.289	0.300	0.318	0.312	0.310	0.317	0.308	0.308	3.28
30)		1,2,4-Trichlor...		0.357	0.352	0.359	0.346	0.340	0.347	0.337	0.348	2.34
31)		Naphthalene		1.075	1.041	1.042	0.966	0.949	0.964	0.938	0.996	5.48
32)		Benzoic acid		0.182	0.212	0.240	0.251	0.262	0.273	0.268	0.241	13.75
33)		4-Chloroaniline		0.382	0.393	0.409	0.385	0.374	0.375	0.364	0.383	3.81
34)	C	Hexachlorobuta...		0.199	0.200	0.207	0.203	0.203	0.211	0.206	0.204	2.03
35)		Caprolactam		0.098	0.103	0.112	0.109	0.107	0.110	0.109	0.107	4.45
36)	C	4-Chloro-3-met...		0.320	0.324	0.347	0.328	0.323	0.330	0.324	0.328	2.73
37)		2-Methylnaphth...		0.741	0.731	0.742	0.689	0.681	0.698	0.685	0.709	3.85
38)		1-Methylnaphth...		0.737	0.726	0.735	0.681	0.668	0.690	0.671	0.701	4.34

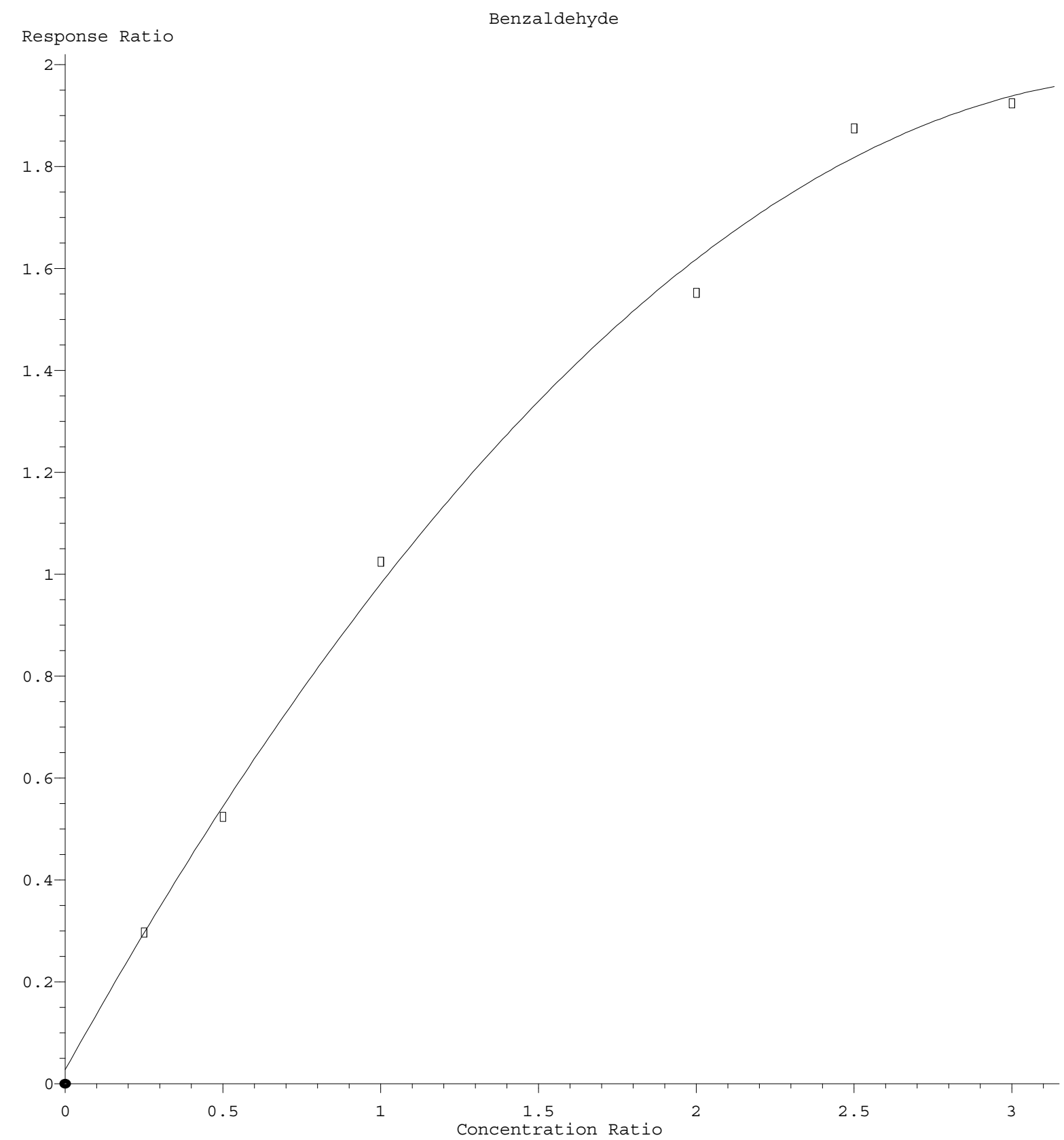
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.539	0.531	0.554	0.543	0.546	0.559	0.546	0.546	1.70
41)	P	Hexachlorocycl...	0.160	0.180	0.191	0.200	0.199	0.209	0.195	0.190	8.53
42)	S	2,4,6-Tribromo...	0.222	0.233	0.248	0.232	0.228	0.234	0.226	0.232	3.60
43)	C	2,4,6-Trichlor...	0.355	0.372	0.394	0.399	0.394	0.404	0.396	0.388	4.52
44)		2,4,5-Trichlor...	0.410	0.410	0.438	0.437	0.436	0.447	0.435	0.430	3.37
45)	S	2-Fluorobiphenyl	1.406	1.341	1.336	1.265	1.247	1.261	1.220	1.297	5.09
46)		1,1'-Biphenyl	1.538	1.482	1.479	1.388	1.361	1.387	1.332	1.424	5.32
47)		2-Chloronaphth...	1.197	1.169	1.176	1.071	1.060	1.074	1.043	1.113	5.84
48)		2-Nitroaniline	0.323	0.346	0.367	0.357	0.352	0.354	0.343	0.349	3.94
49)		Acenaphthylene	1.719	1.699	1.732	1.602	1.575	1.602	1.554	1.640	4.50
50)		Dimethylphthalate	1.472	1.433	1.468	1.379	1.343	1.365	1.318	1.397	4.38
51)		2,6-Dinitrotol...	0.311	0.325	0.337	0.328	0.326	0.335	0.323	0.327	2.62
52)	C	Acenaphthene	1.115	1.079	1.086	1.008	0.991	1.017	0.988	1.041	4.94
53)		3-Nitroaniline	0.310	0.317	0.344	0.331	0.328	0.337	0.325	0.327	3.53
54)	P	2,4-Dinitrophenol		0.152	0.185	0.204	0.204	0.218	0.212	0.196	12.27
55)		Dibenzofuran	1.790	1.731	1.728	1.579	1.559	1.584	1.535	1.644	6.22
56)	P	4-Nitrophenol	0.247	0.268	0.293	0.293	0.291	0.296	0.287	0.282	6.42
57)		2,4-Dinitrotol...	0.400	0.435	0.460	0.441	0.440	0.445	0.430	0.436	4.19
58)		Fluorene	1.469	1.428	1.426	1.309	1.290	1.306	1.265	1.356	6.03
59)		2,3,4,6-Tetrac...	0.333	0.345	0.369	0.355	0.354	0.366	0.355	0.354	3.44
60)		Diethylphthalate	1.505	1.486	1.506	1.398	1.365	1.388	1.337	1.426	4.95
61)		4-Chlorophenyl...	0.681	0.663	0.663	0.621	0.619	0.645	0.627	0.646	3.76
62)		4-Nitroaniline	0.300	0.324	0.346	0.319	0.317	0.329	0.321	0.322	4.24
63)		Azobenzene	1.455	1.445	1.457	1.314	1.280	1.285	1.232	1.352	7.14
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.092	0.107	0.120	0.125	0.126	0.128	0.122	0.117	11.31
66)	c	n-Nitrosodiphe...	0.570	0.561	0.573	0.536	0.526	0.532	0.515	0.545	4.22
67)		4-Bromophenyl-...	0.190	0.190	0.198	0.191	0.191	0.198	0.191	0.193	1.90
68)		Hexachlorobenzene	0.236	0.234	0.240	0.229	0.226	0.229	0.221	0.231	2.73
69)		Atrazine	0.183	0.186	0.182	0.170	0.152	0.145	0.129	0.164	13.50
70)	C	Pentachlorophenol	0.141	0.152	0.165	0.168	0.166	0.174	0.166	0.162	6.91
71)		Phenanthrene	1.090	1.035	1.036	0.976	0.967	0.974	0.949	1.004	5.05
72)		Anthracene	1.024	1.000	1.026	0.953	0.946	0.961	0.926	0.977	4.10
73)		Carbazole	1.071	1.041	1.052	0.971	0.954	0.959	0.933	0.997	5.55
74)		Di-n-butylphth...	1.175	1.187	1.223	1.165	1.134	1.140	1.098	1.160	3.50
75)	C	Fluoranthene	1.294	1.239	1.255	1.199	1.179	1.207	1.172	1.221	3.62
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.226	0.190	0.373	0.489	0.370	0.389	0.337	0.339	29.96
78)		Pyrene	1.456	1.398	1.443	1.425	1.414	1.446	1.414	1.428	1.46
79)	S	Terphenyl-d14	0.924	0.916	0.958	0.937	0.928	0.948	0.922	0.933	1.62
80)		Butylbenzylpht...	0.511	0.552	0.600	0.608	0.599	0.616	0.595	0.583	6.48
81)		Benzo(a)anthra...	1.390	1.331	1.364	1.300	1.291	1.324	1.293	1.328	2.85
82)		3,3'-Dichlorob...	0.373	0.390	0.439	0.443	0.427	0.426	0.409	0.415	6.23
83)		Chrysene	1.350	1.283	1.301	1.224	1.214	1.234	1.211	1.260	4.21
84)		Bis(2-ethylhex...	0.771	0.808	0.867	0.845	0.832	0.846	0.816	0.826	3.81
85)	c	Di-n-octyl pht...	1.212	1.316	1.430	1.457	1.450	1.503	1.466	1.405	7.33

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.326	1.280	1.366	1.279	1.278	1.227	1.294	1.293	3.38
88)		Benzo(b)fluora...	1.182	1.200	1.222	1.161	1.179	1.207	1.164	1.188	1.91
89)		Benzo(k)fluora...	1.192	1.134	1.175	1.097	1.059	1.116	1.080	1.122	4.35
90)	C	Benzo(a)pyrene	1.014	1.015	1.066	1.024	1.012	1.046	1.025	1.029	1.93
91)		Dibenzo(a,h)an...	1.096	1.051	1.119	1.021	1.021	0.986	1.029	1.046	4.44
92)		Benzo(g,h,i)pe...	1.119	1.082	1.162	1.076	1.082	1.005	1.077	1.086	4.41

(#) = Out of Range



R = -1.583e-001 A*A + 1.112e+000 A + 2.780e-002
Coef of Det (r^2) = 0.995802 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM081024.M
Calibration Table Last Updated: Sun Aug 11 23:47:58 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047140.D
Acq On : 10 Aug 2024 13:12
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 11 23:30:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	233543	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	912085	20.000	ng	0.00
39) Acenaphthene-d10	14.034	164	589187	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1231431	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1169603	20.000	ng	0.00
86) Perylene-d12	23.727	264	1431343	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...	8.181	70	31744	2.617	ng	# 98

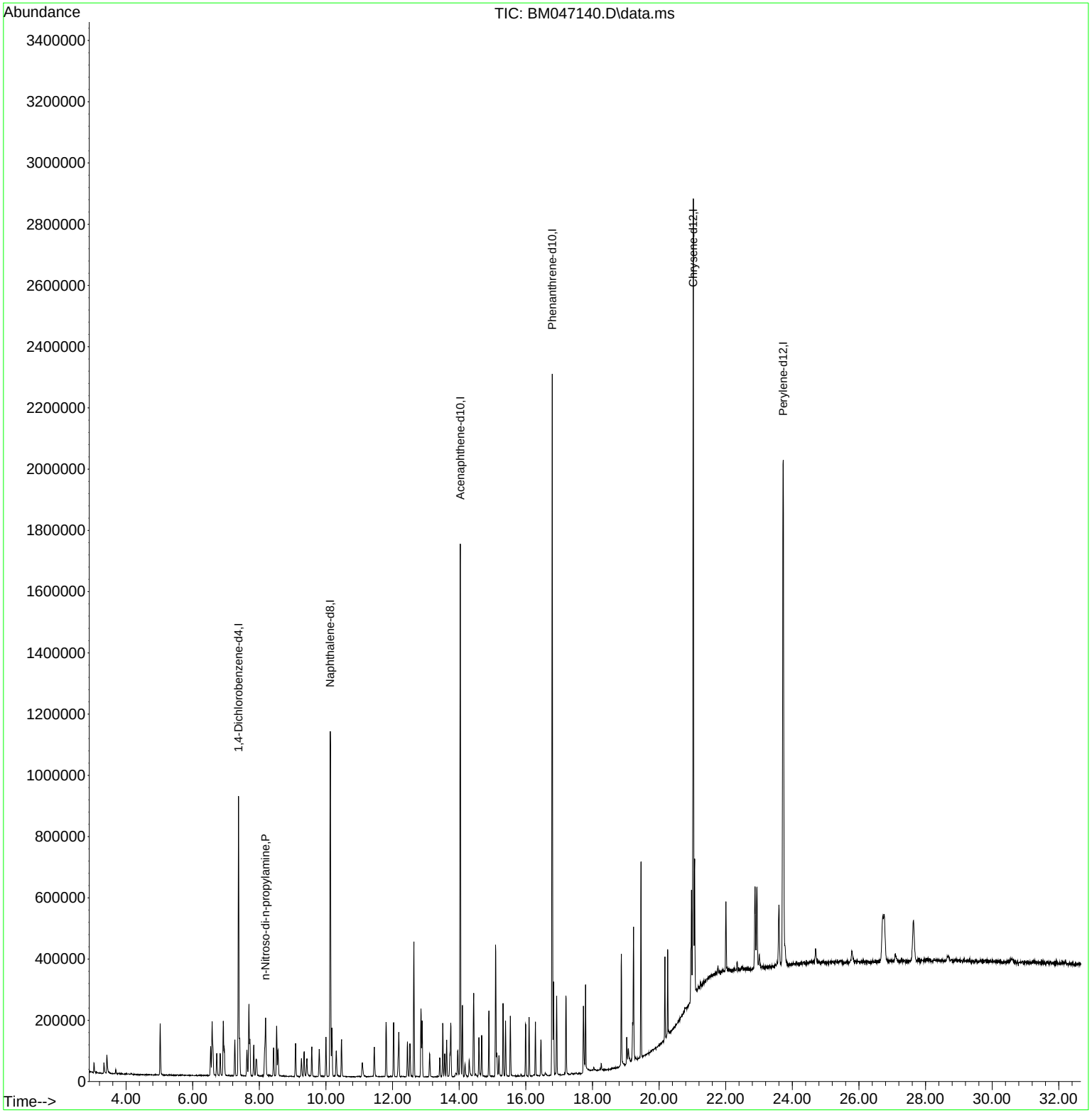
(#) = qualifier out of range (m) = manual integration (+) = signals summed

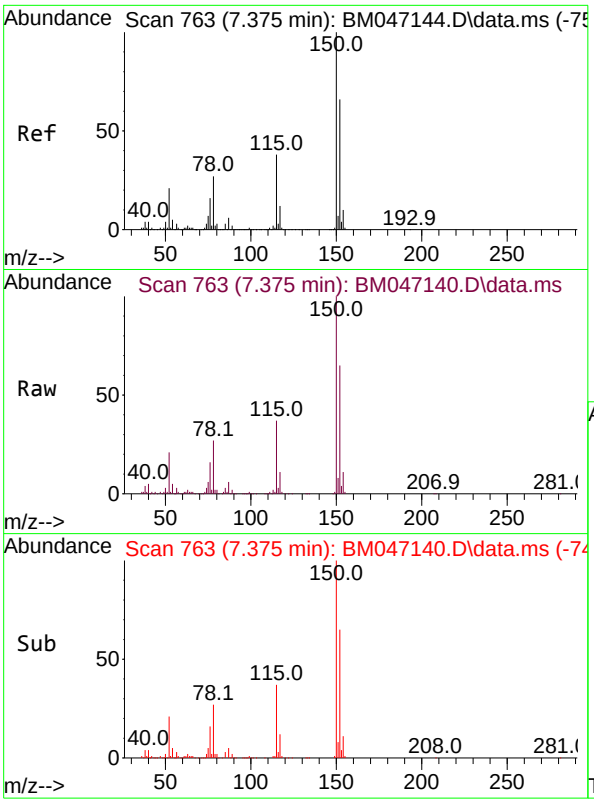
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047140.D
Acq On : 10 Aug 2024 13:12
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 11 23:30:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



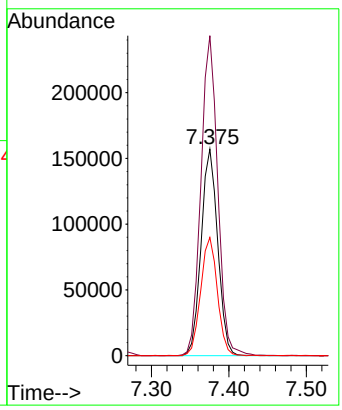


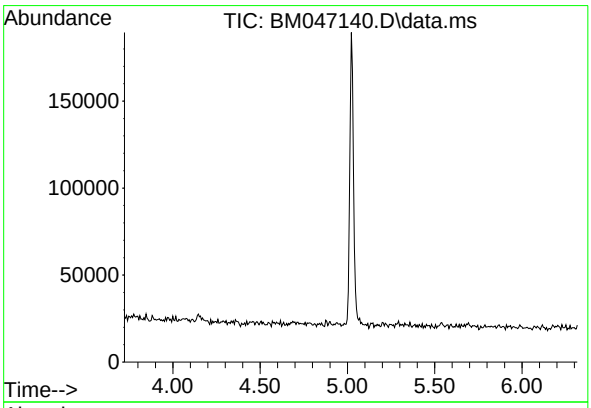
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 233543

Ion	Ratio	Lower	Upper
152	100		
150	154.9	120.5	180.7
115	57.3	45.5	68.3



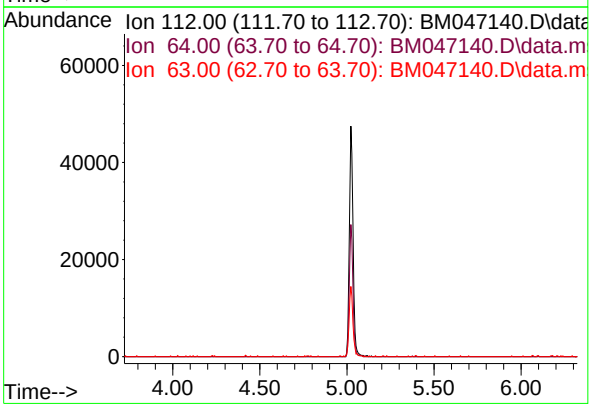


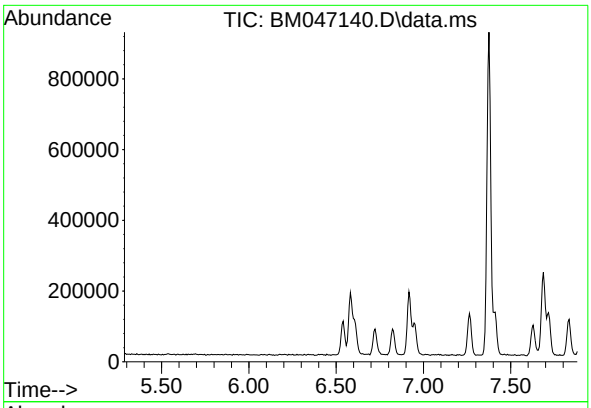
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.02 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.4
63	31.0





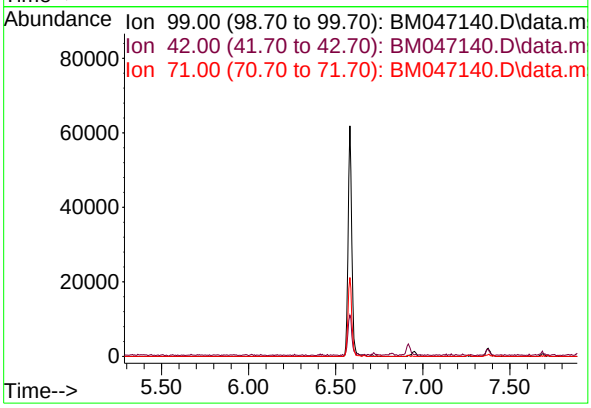
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min

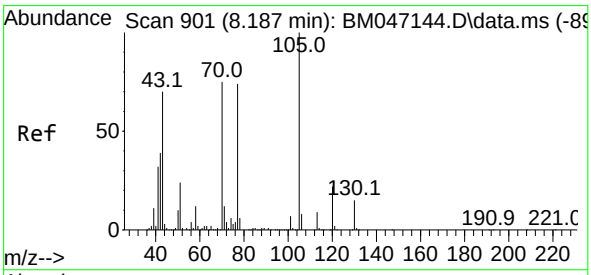
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

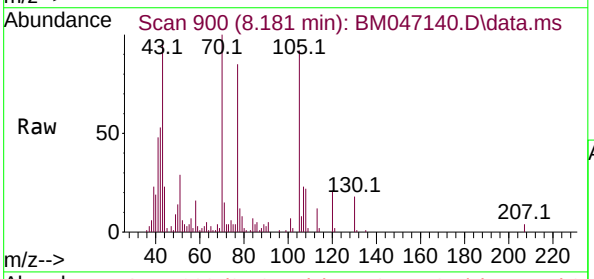
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

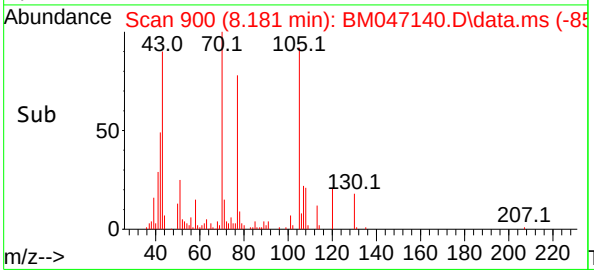
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.6
71	35.6





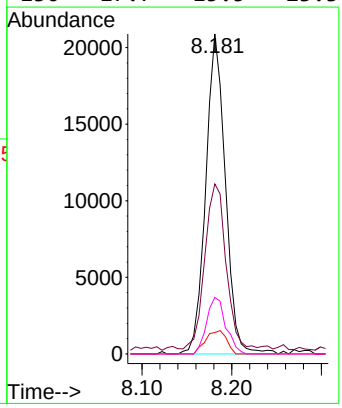


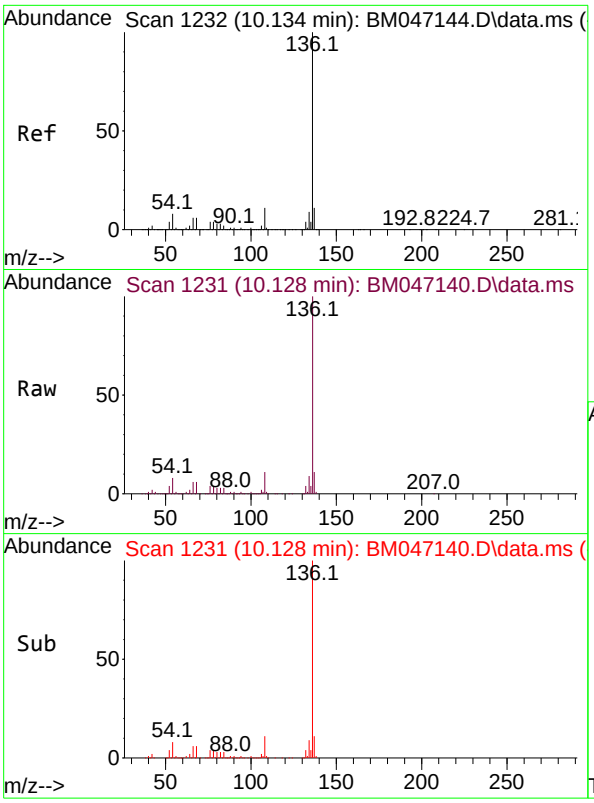


#19
n-Nitroso-di-n-propylamine
Concen: 2.617 ng
RT: 8.181 min Scan# 900
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 70 Resp: 31744

Ion	Ratio	Lower	Upper
70	100		
42	53.2	42.0	63.0
101	6.7	7.2	10.8#
130	17.7	15.5	23.3



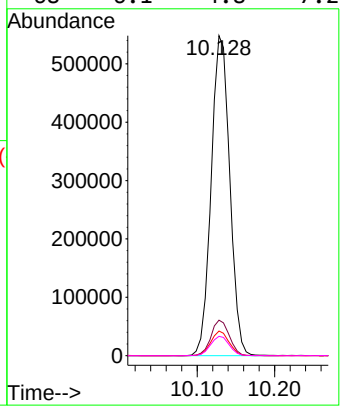


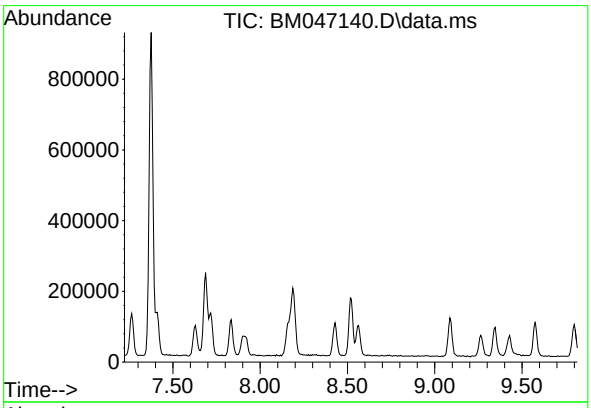
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 912085

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.7	6.0	9.0
68	6.1	4.8	7.2



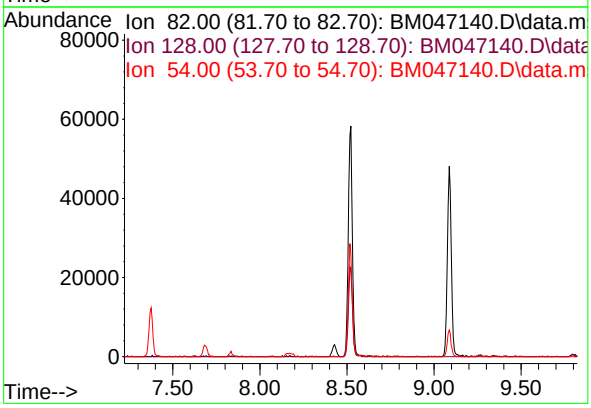


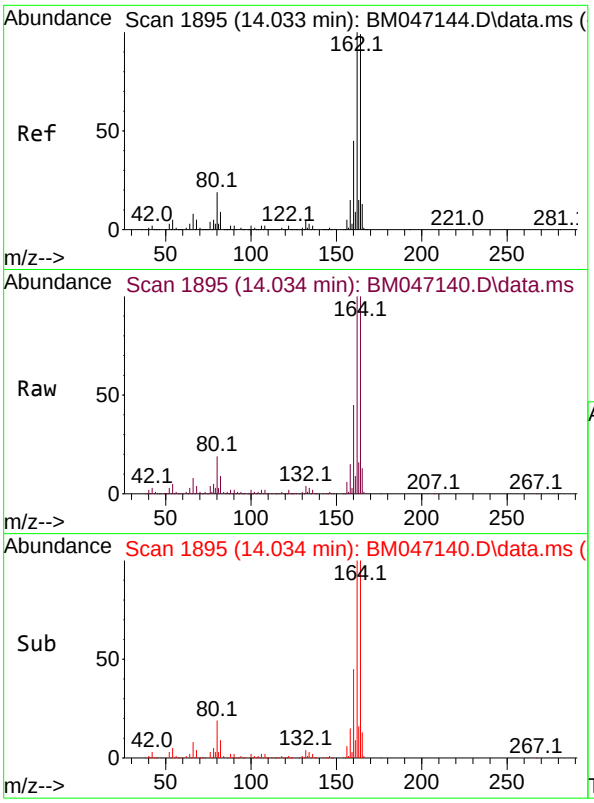
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.52 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	40.4
54	46.8



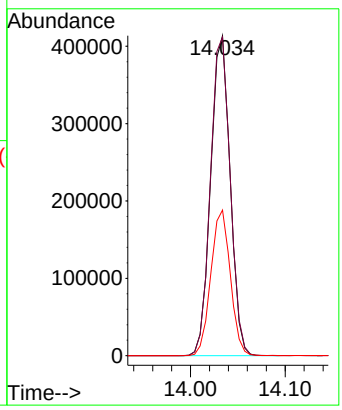


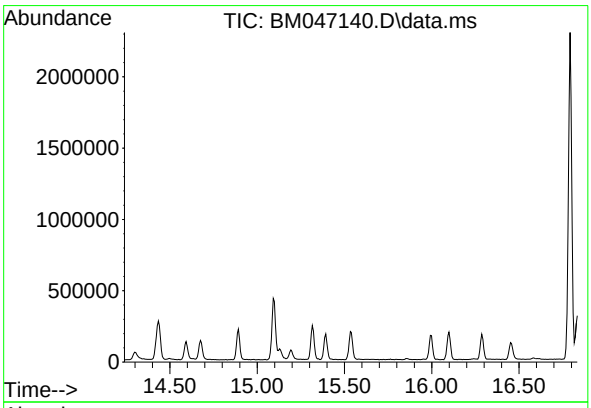
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 589187

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.7	121.1
160	45.5	36.0	54.0



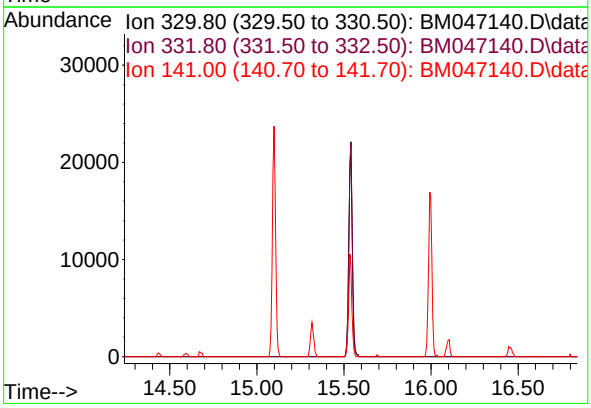


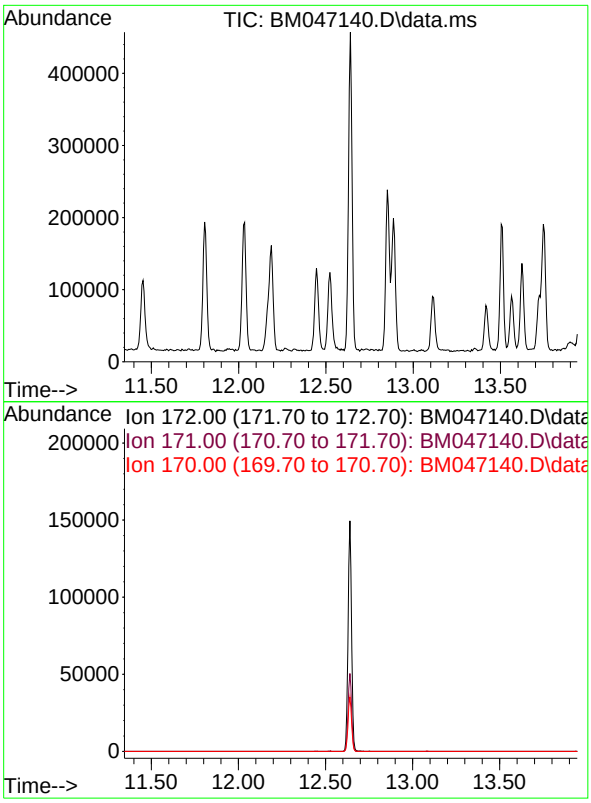
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.54 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	39.5





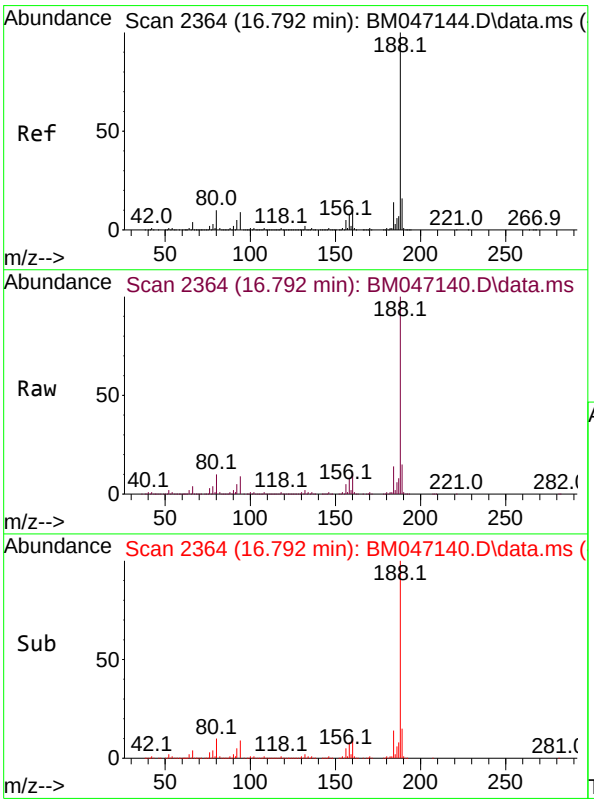
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.65 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

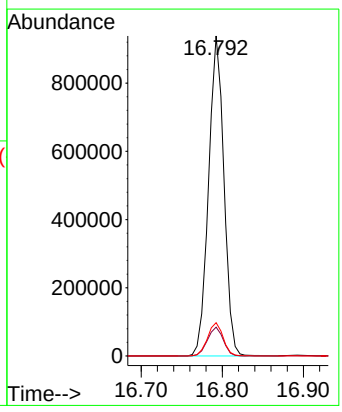
Sig	Exp Ratio
172	100
171	34.7
170	23.4

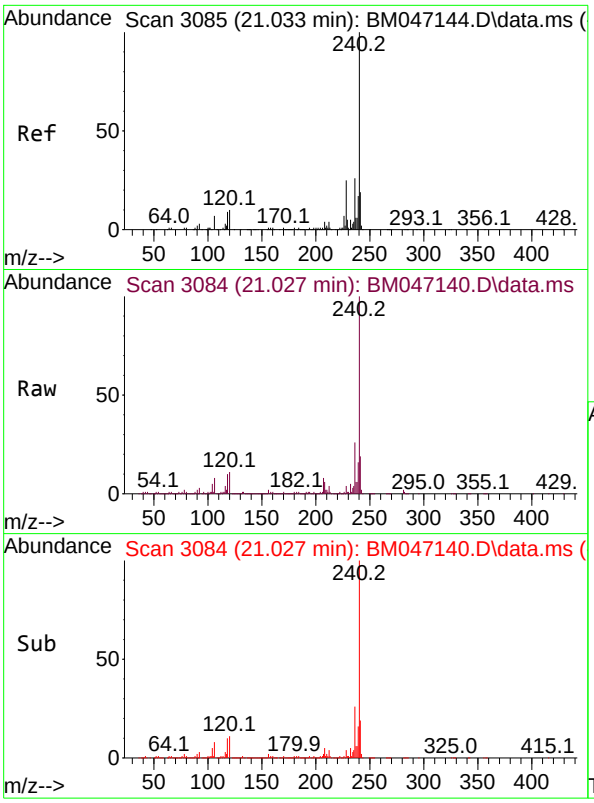


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion:188 Resp: 1231431

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.0	10.6
80	10.4	8.0	12.0



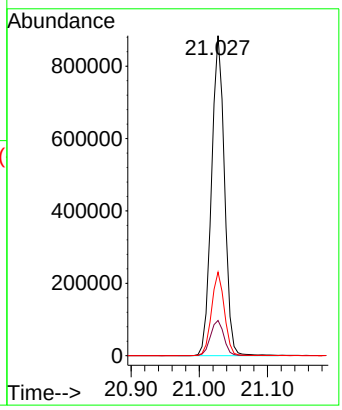


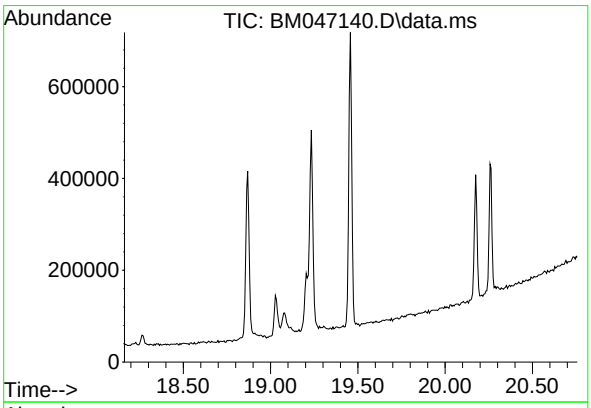
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1169603

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.2	12.2
236	26.1	20.6	30.8



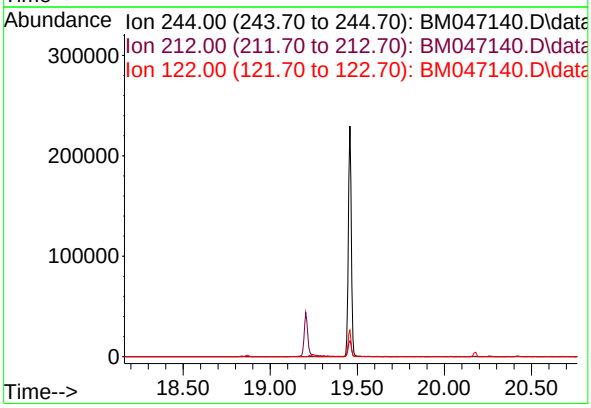


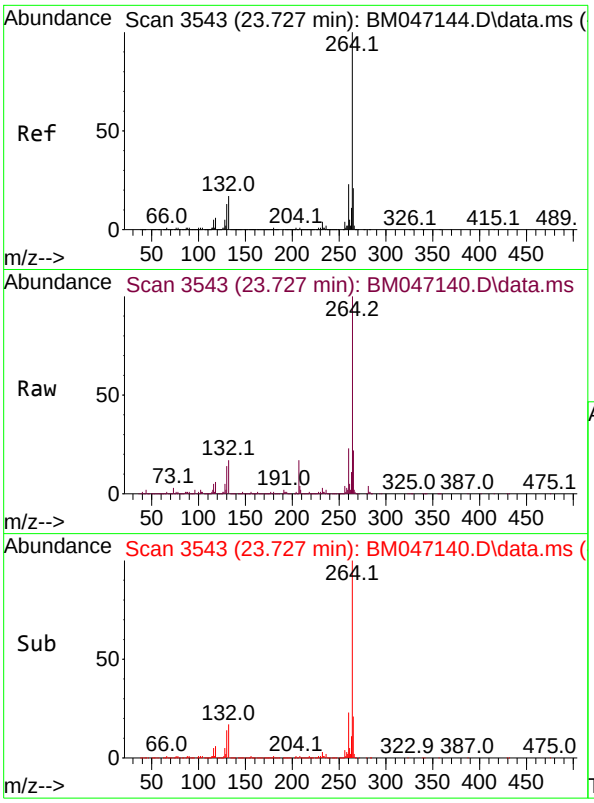
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.46 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.8
122	8.9



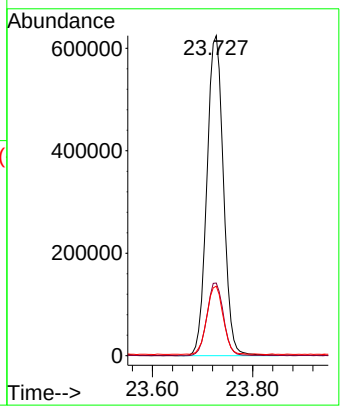


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1431343

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.7	17.3	25.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047141.D
Acq On : 10 Aug 2024 13:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Aug 11 23:31:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	231587	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	953129	20.000	ng		0.00
39) Acenaphthene-d10	14.027	164	629995	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1336137	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1301329	20.000	ng		0.00
86) Perylene-d12	23.727	264	1576050	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	140661	10.853	ng		0.00
7) Phenol-d6	6.581	99	190264	10.654	ng		0.00
23) Nitrobenzene-d5	8.516	82	201738	10.658	ng		0.00
42) 2,4,6-Tribromophenol	15.533	330	70075	9.593	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	442999	10.847	ng		0.00
79) Terphenyl-d14	19.456	244	601320	9.901	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.040	88	30031	5.592	ng		99
3) Pyridine	3.416	79	83824	5.327	ng		96
4) n-Nitrosodimethylamine	3.334	42	37222	5.410	ng	#	94
6) Aniline	6.722	93	89509	5.303	ng		99
8) 2-Chlorophenol	6.945	128	75622	5.350	ng		95
9) Benzaldehyde	6.540	77	68748	5.019	ng		96
10) Phenol	6.604	94	98125	5.506	ng		99
11) bis(2-Chloroethyl)ether	6.822	93	82870	5.430	ng		95
12) 1,3-Dichlorobenzene	7.263	146	90719	5.401	ng		97
13) 1,4-Dichlorobenzene	7.410	146	91512	5.381	ng		98
14) 1,2-Dichlorobenzene	7.716	146	88355	5.506	ng		96
15) Benzyl Alcohol	7.622	79	62692	4.932	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.904	45	110215	5.622	ng		98
17) 2-Methylphenol	7.834	107	61615	5.183	ng		95
18) Hexachloroethane	8.428	117	35243	5.350	ng		89
19) n-Nitroso-di-n-propyla...	8.181	70	67704	5.628	ng		100
20) 3+4-Methylphenols	8.157	107	84662	5.094	ng		99
22) Acetophenone	8.192	105	130329	5.665	ng		98
24) Nitrobenzene	8.557	77	101289	5.314	ng		97
25) Isophorone	9.086	82	169727	5.150	ng		100
26) 2-Nitrophenol	9.263	139	37222	4.410	ng	#	88
27) 2,4-Dimethylphenol	9.339	122	47540	4.808	ng		99
28) bis(2-Chloroethoxy)met...	9.575	93	109875	5.298	ng		99
29) 2,4-Dichlorophenol	9.798	162	68962	4.700	ng		99
30) 1,2,4-Trichlorobenzene	9.998	180	85165	5.129	ng		96
31) Naphthalene	10.181	128	256168	5.395	ng		99
32) Benzoic acid	9.439	122	43353m	3.753	ng		
33) 4-Chloroaniline	10.304	127	90992	4.983	ng		97
34) Hexachlorobutadiene	10.469	225	47407	4.878	ng		97
35) Caprolactam	11.086	113	23316	4.576	ng		95
36) 4-Chloro-3-methylphenol	11.451	107	76286	4.882	ng		95
37) 2-Methylnaphthalene	11.804	142	176480	5.220	ng		99
38) 1-Methylnaphthalene	12.027	142	175570	5.255	ng		97
40) 1,2,4,5-Tetrachloroben...	12.186	216	84909	4.941	ng		99
41) Hexachlorocyclopentadiene	12.163	237	25169	4.195	ng		97
43) 2,4,6-Trichlorophenol	12.445	196	55962	4.582	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047141.D
Acq On : 10 Aug 2024 13:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Aug 11 23:31:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

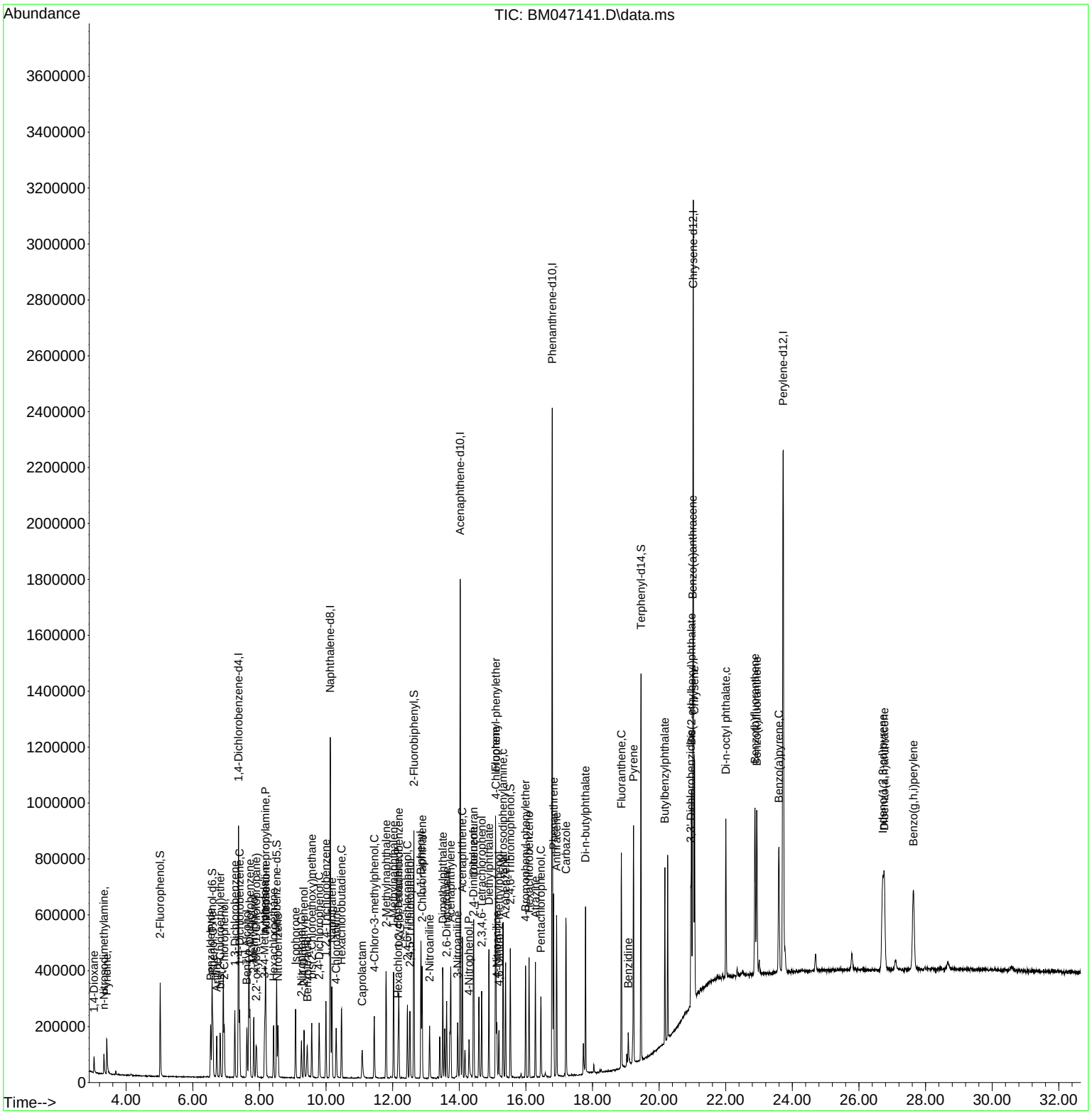
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	64621	4.765	ng	97
46) 1,1'-Biphenyl	12.851	154	242201	5.400	ng	98
47) 2-Chloronaphthalene	12.886	162	188590	5.380	ng	98
48) 2-Nitroaniline	13.110	65	50873	4.632	ng	91
49) Acenaphthylene	13.745	152	270677	5.238	ng	99
50) Dimethylphthalate	13.504	163	231786	5.268	ng	100
51) 2,6-Dinitrotoluene	13.621	165	49002	4.764	ng	96
52) Acenaphthene	14.092	154	175534	5.355	ng	99
53) 3-Nitroaniline	13.951	138	48787	4.734	ng	99
55) Dibenzofuran	14.433	168	281866	5.444	ng	99
56) 4-Nitrophenol	14.292	139	38873	4.374	ng	93
57) 2,4-Dinitrotoluene	14.421	165	63007	4.589	ng	88
58) Fluorene	15.092	166	231431	5.418	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	52488	4.710	ng	94
60) Diethylphthalate	14.892	149	236973	5.274	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	107266	5.274	ng	98
62) 4-Nitroaniline	15.127	138	47275m	4.656	ng	
63) Azobenzene	15.392	77	229119	5.378	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	30637	3.916	ng	93
66) n-Nitrosodiphenylamine	15.315	169	190365	5.231	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	63559	4.937	ng	94
68) Hexachlorobenzene	16.098	284	78852	5.114	ng	98
69) Atrazine	16.286	200	60979	5.568	ng	98
70) Pentachlorophenol	16.451	266	47145	4.362	ng	97
71) Phenanthrene	16.833	178	363970	5.428	ng	99
72) Anthracene	16.921	178	342081	5.243	ng	99
73) Carbazole	17.204	167	357631	5.368	ng	99
74) Di-n-butylphthalate	17.792	149	392569	5.064	ng	98
75) Fluoranthene	18.868	202	432338	5.301	ng	98
77) Benzidine	19.074	184	73589	3.335	ng	96
78) Pyrene	19.233	202	473702	5.098	ng	99
80) Butylbenzylphthalate	20.174	149	166134	4.381	ng	97
81) Benzo(a)anthracene	21.009	228	452360	5.236	ng	98
82) 3,3'-Dichlorobenzidine	20.950	252	121454	4.493	ng	100
83) Chrysene	21.062	228	439298	5.360	ng	98
84) Bis(2-ethylhexyl)phtha...	20.974	149	250857	4.665	ng	99
85) Di-n-octyl phthalate	22.003	149	394399	4.315	ng	97
87) Indeno(1,2,3-cd)pyrene	26.715	276	522557	5.130	ng	99
88) Benzo(b)fluoranthene	22.880	252	465640	4.975	ng	99
89) Benzo(k)fluoranthene	22.933	252	469757	5.314	ng	99
90) Benzo(a)pyrene	23.597	252	399615	4.929	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	431713	5.237	ng	98
92) Benzo(g,h,i)perylene	27.632	276	440920	5.151	ng	97

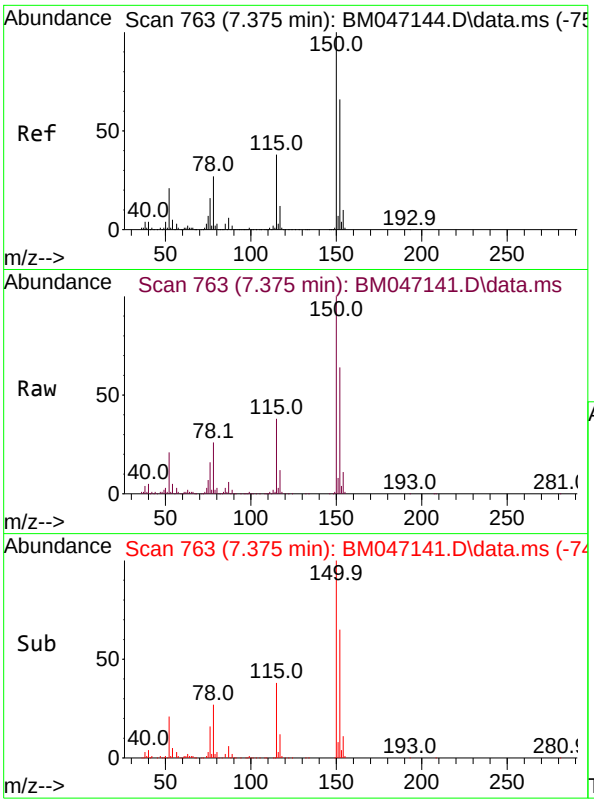
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047141.D
Acq On : 10 Aug 2024 13:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Aug 11 23:31:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



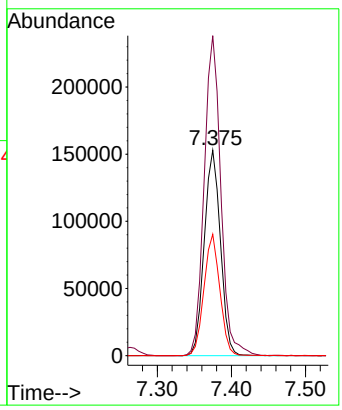


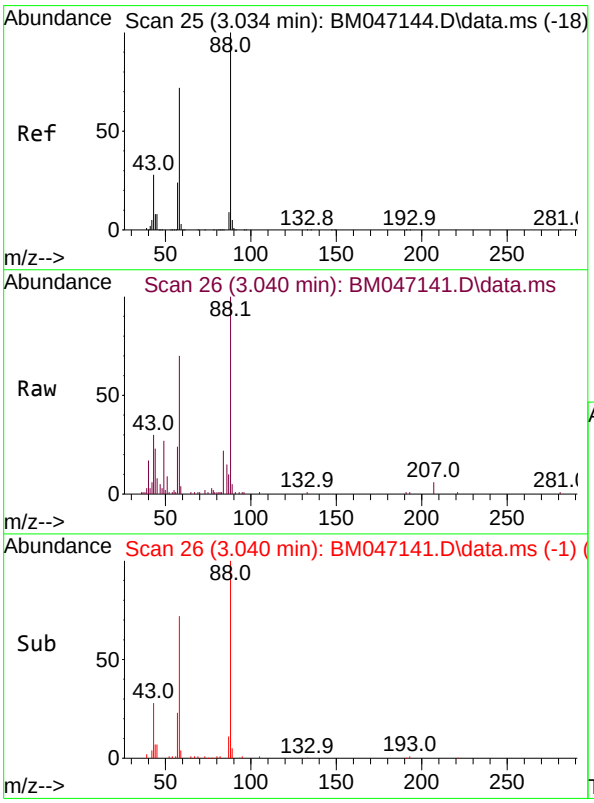
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 231587

Ion	Ratio	Lower	Upper
152	100		
150	155.8	120.5	180.7
115	59.1	45.5	68.3

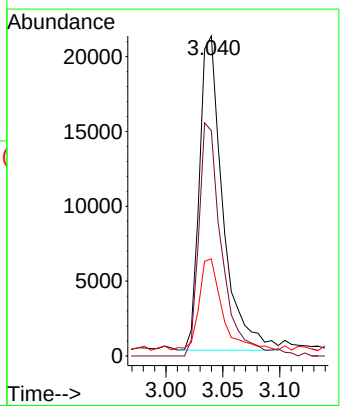


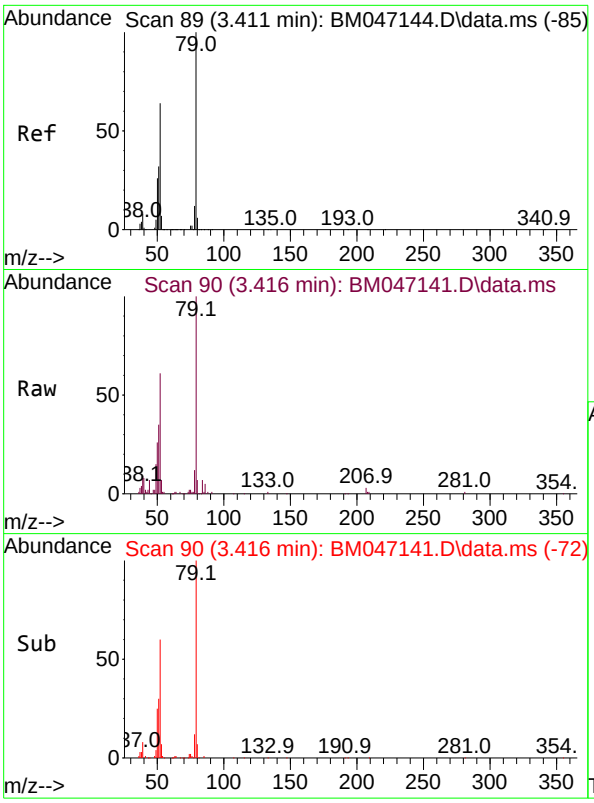


#2
1,4-Dioxane
Concen: 5.592 ng
RT: 3.040 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 88 Resp: 30031

Ion	Ratio	Lower	Upper
88	100		
58	73.4	58.2	87.4
43	28.6	22.5	33.7



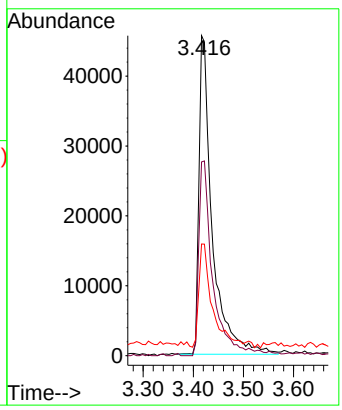


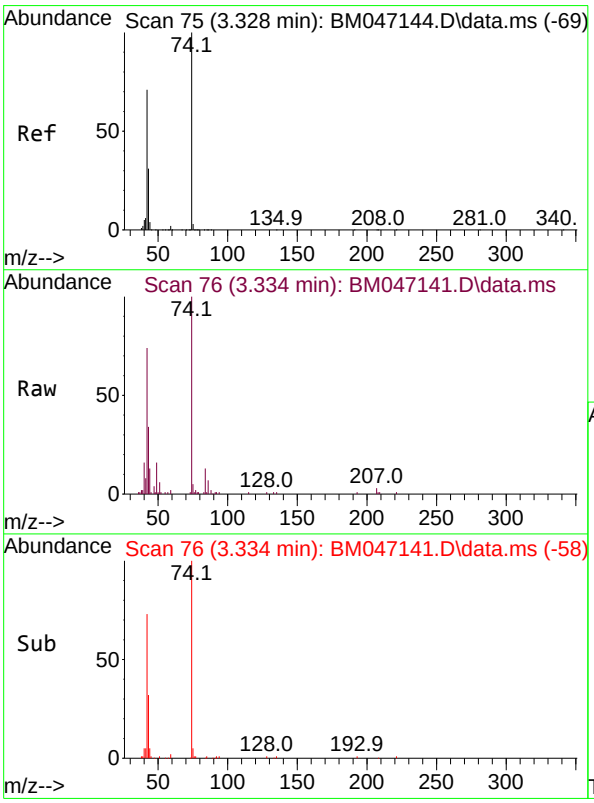
#3
Pyridine
Concen: 5.327 ng
RT: 3.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 83824

Ion	Ratio	Lower	Upper
79	100		
52	60.5	51.2	76.8
51	34.9	26.1	39.1

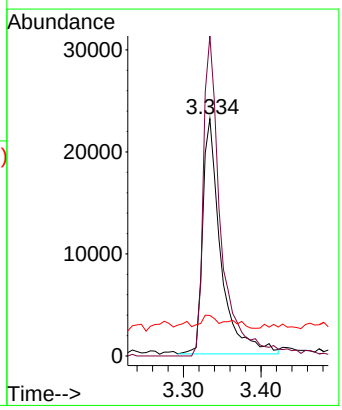


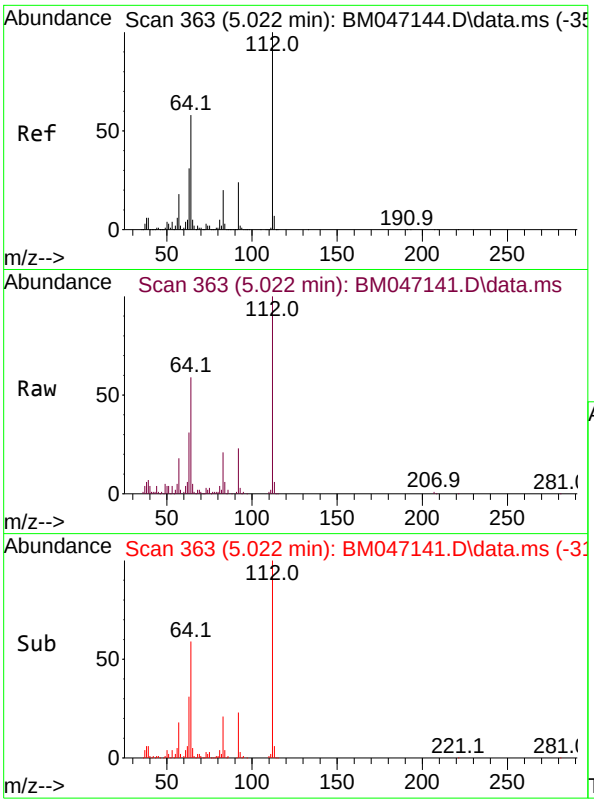


#4
n-Nitrosodimethylamine
Concen: 5.410 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 42 Resp: 37222

Ion	Ratio	Lower	Upper
42	100		
74	134.9	112.9	169.3
44	17.0	5.3	7.9#



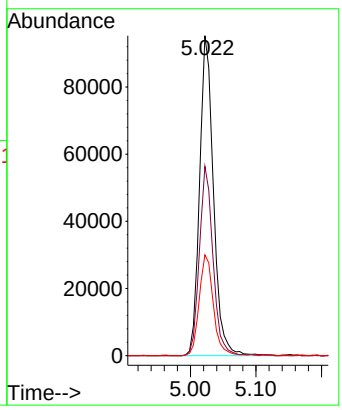


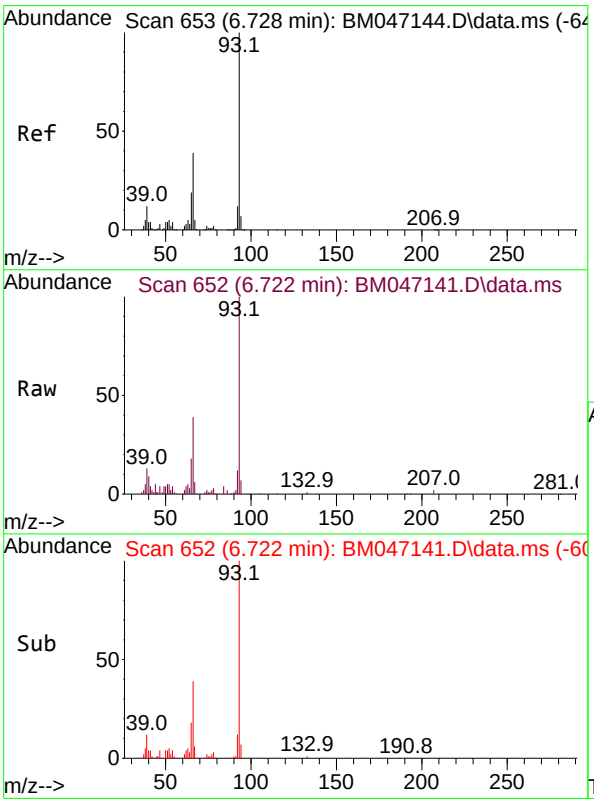
#5
2-Fluorophenol
Concen: 10.853 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 140661

Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.7	70.1
63	31.5	24.8	37.2

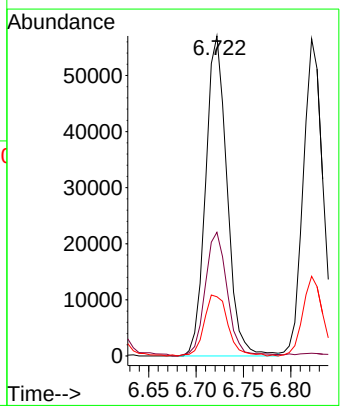


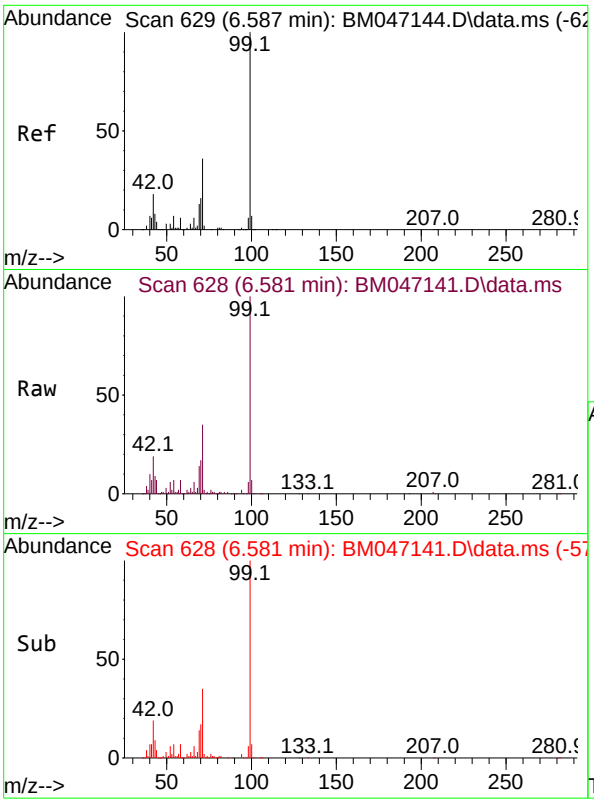


#6
Aniline
Concen: 5.303 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 93 Resp: 89509

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.4	47.2
65	18.5	15.6	23.4



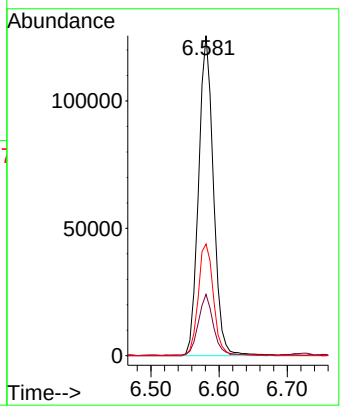


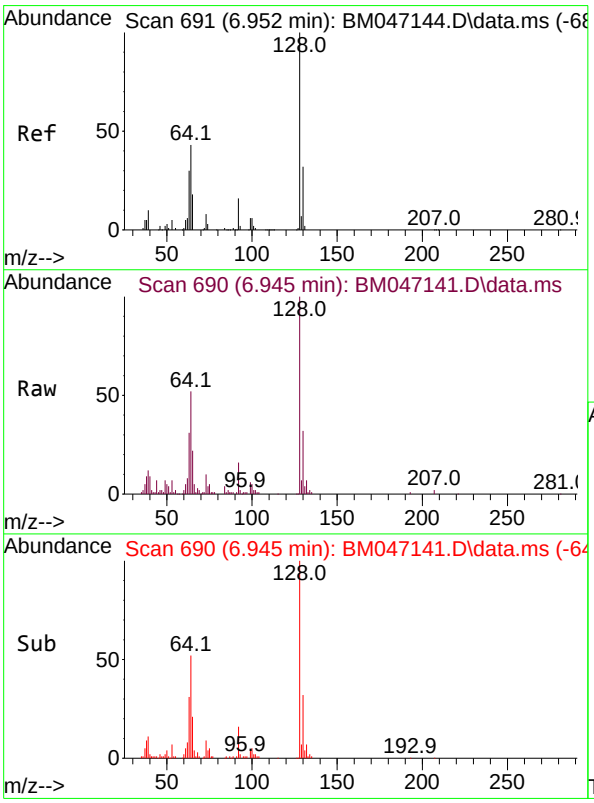
#7
Phenol-d6
Concen: 10.654 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 190264

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.1	21.1
71	34.9	28.5	42.7

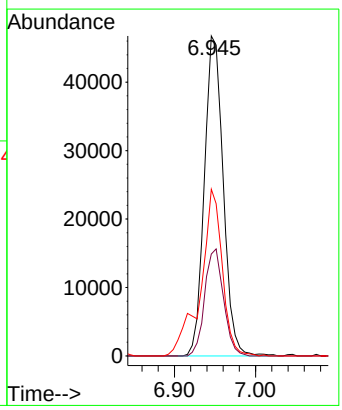


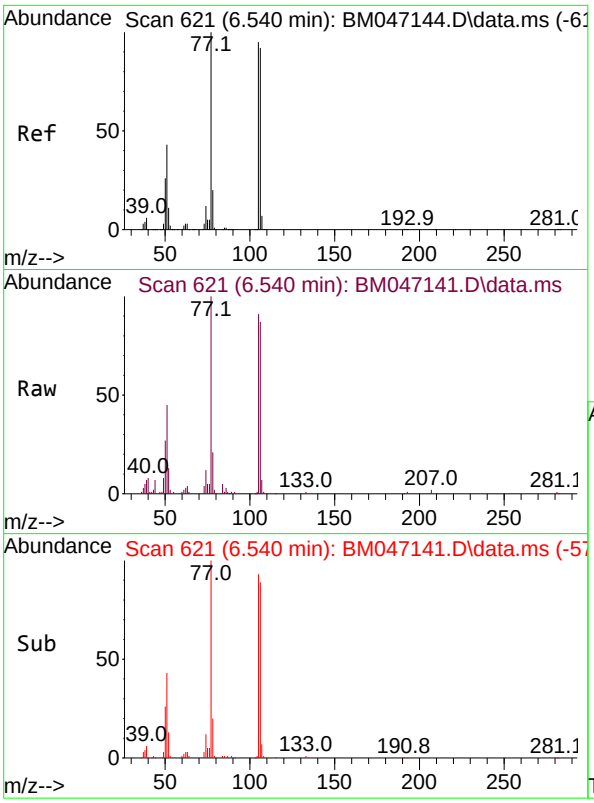


#8
2-Chlorophenol
Concen: 5.350 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:128 Resp: 75622

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.1	52.1
64	52.1	26.6	66.6



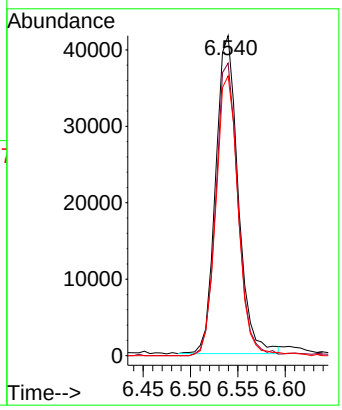


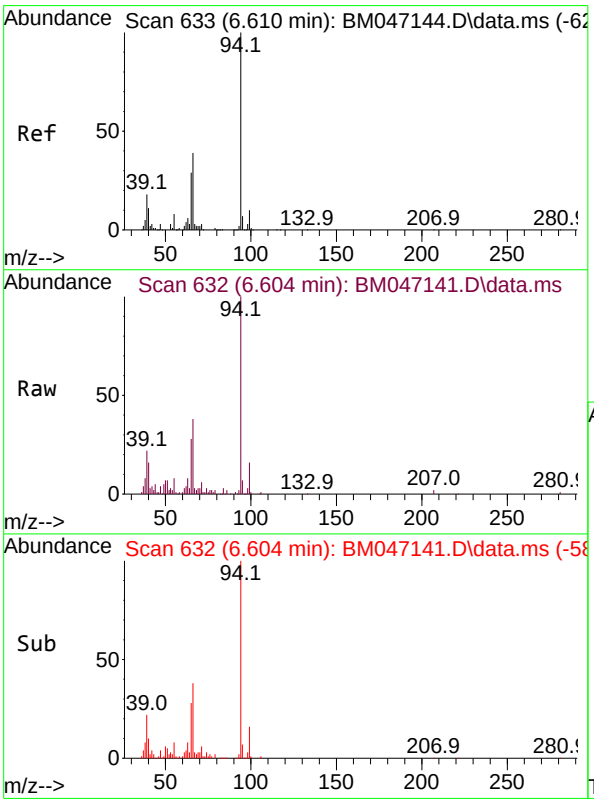
#9
Benzaldehyde
Concen: 5.019 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 68748

Ion	Ratio	Lower	Upper
77	100		
105	91.4	74.5	114.5
106	87.4	72.3	112.3

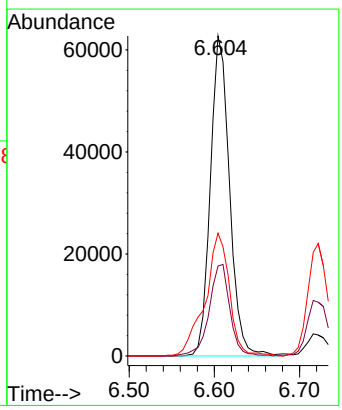


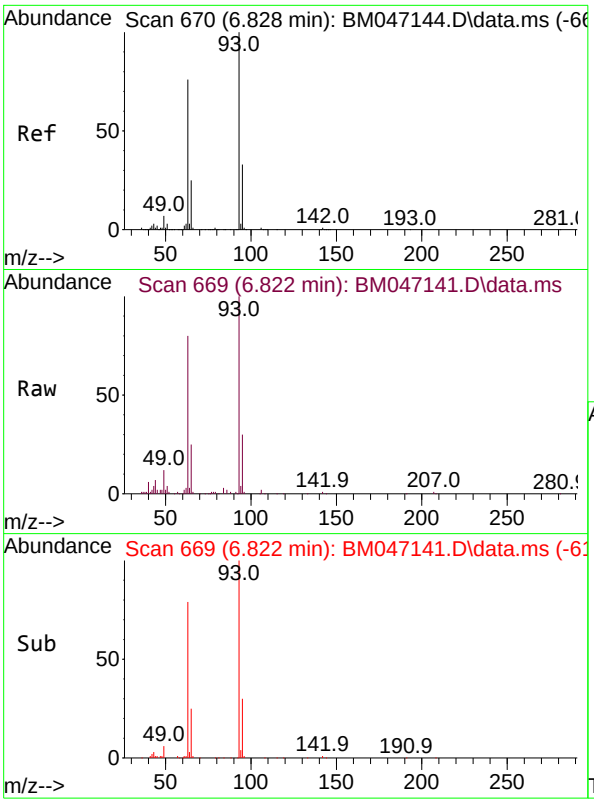


#10
Phenol
Concen: 5.506 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 94 Resp: 98125

Ion	Ratio	Lower	Upper
94	100		
65	28.1	9.0	49.0
66	38.3	18.9	58.9



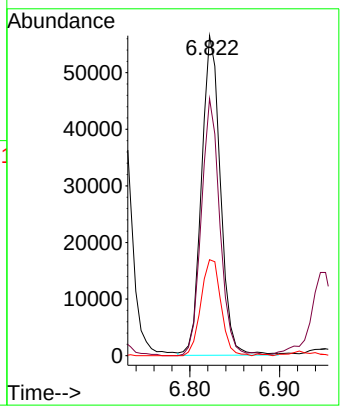


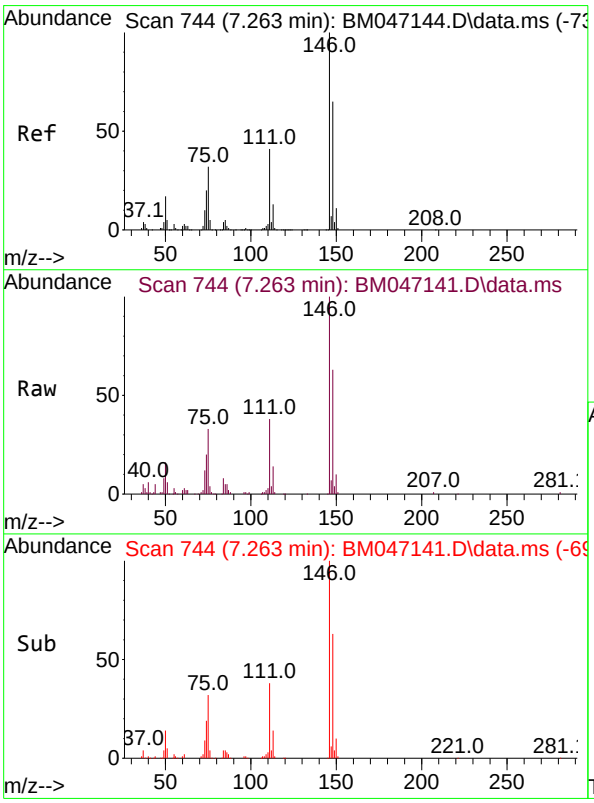
#11
bis(2-Chloroethyl)ether
Concen: 5.430 ng
RT: 6.822 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 82870

Ion	Ratio	Lower	Upper
93	100		
63	80.3	55.8	95.8
95	30.0	12.7	52.7

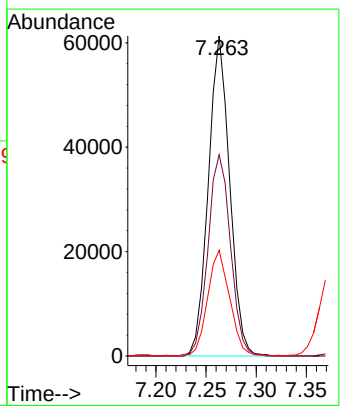


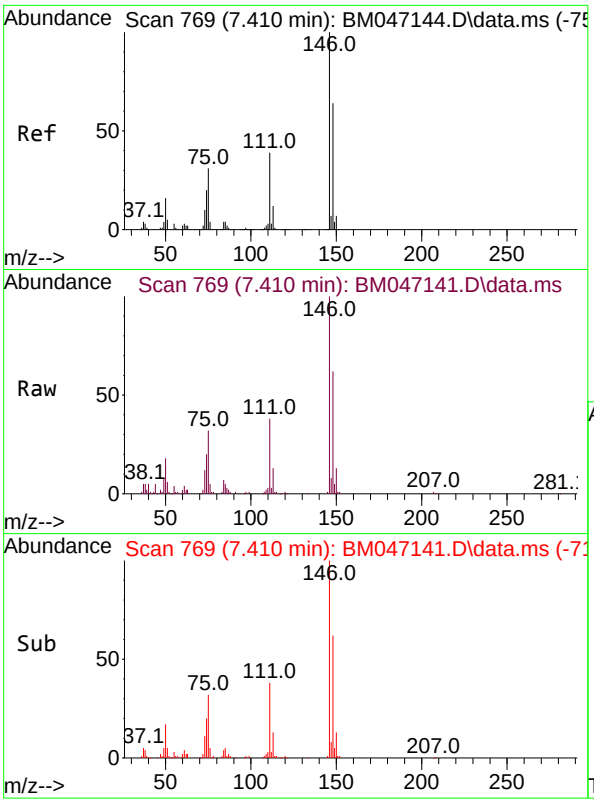


#12
1,3-Dichlorobenzene
Concen: 5.401 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:146 Resp: 90719

Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.3	78.5
75	33.0	25.8	38.6



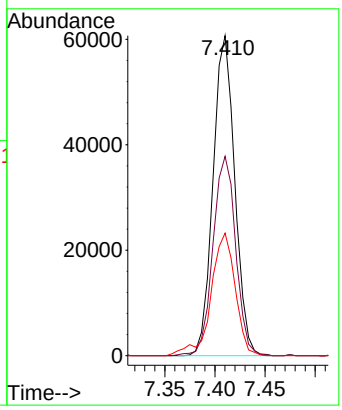


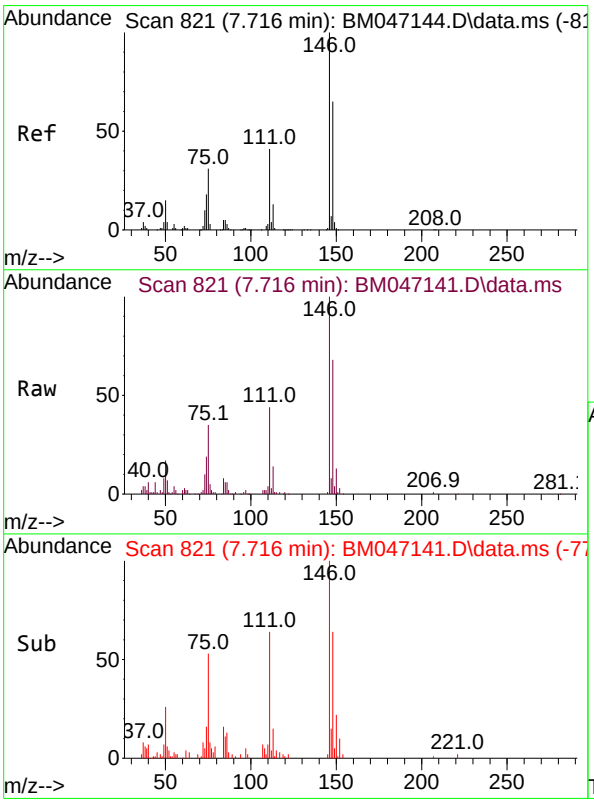
#13
1,4-Dichlorobenzene
Concen: 5.381 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 91512

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.4	77.2
111	38.3	31.5	47.3

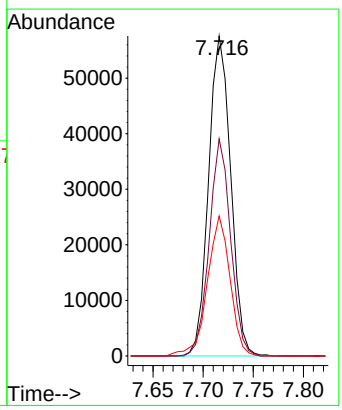


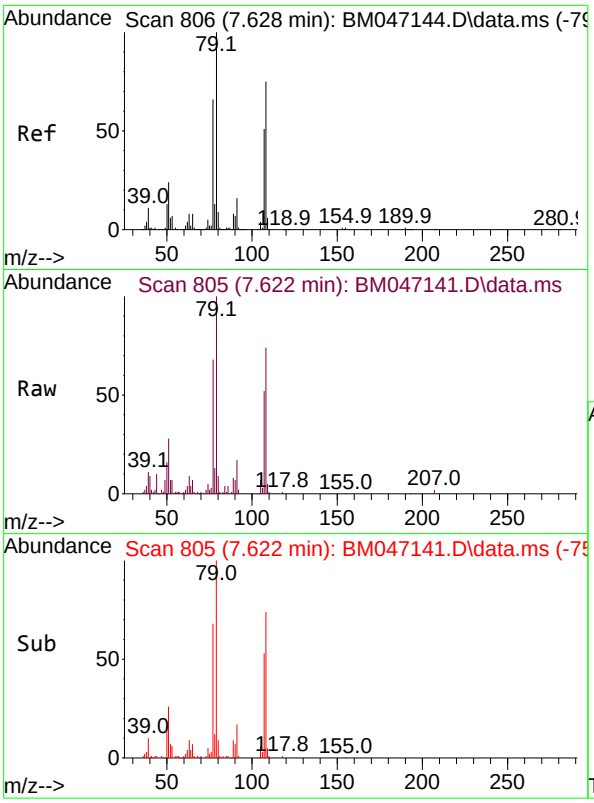


#14
1,2-Dichlorobenzene
Concen: 5.506 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:146 Resp: 88355

Ion	Ratio	Lower	Upper
146	100		
148	67.9	51.8	77.8
111	43.7	33.3	49.9



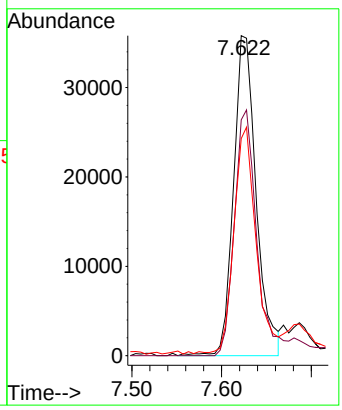


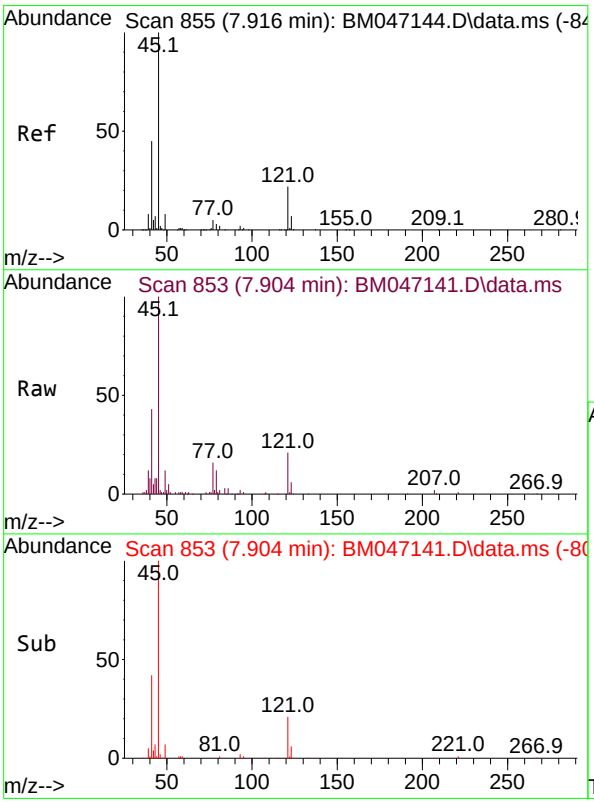
#15
Benzyl Alcohol
Concen: 4.932 ng
RT: 7.622 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 62692

Ion	Ratio	Lower	Upper
79	100		
108	73.7	59.7	89.5
77	67.9	52.9	79.3

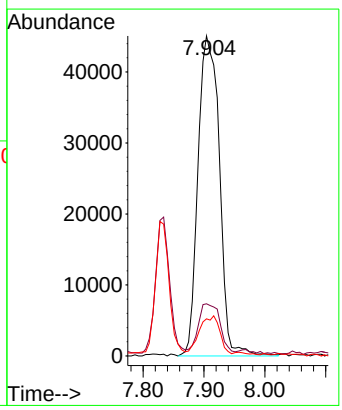


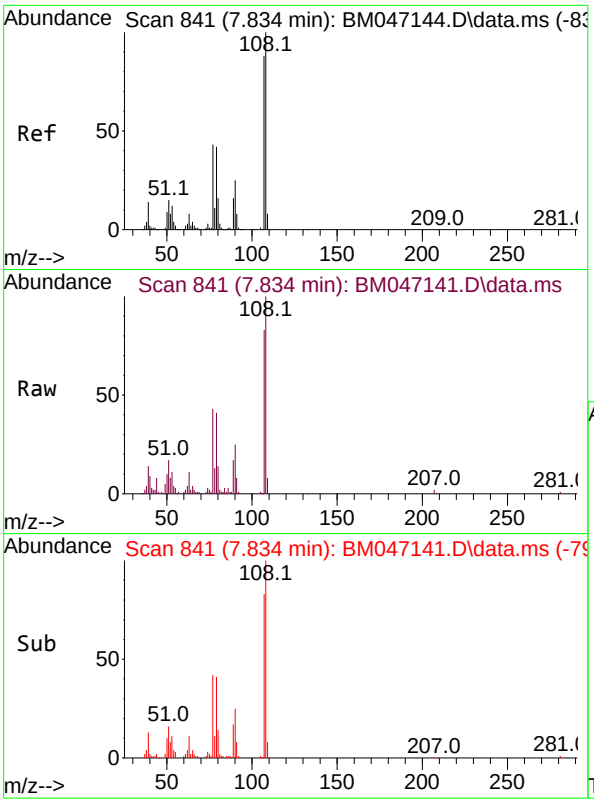


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.622 ng
RT: 7.904 min Scan# 853
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 45 Resp: 110215

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	35.6
79	11.6	0.0	32.4



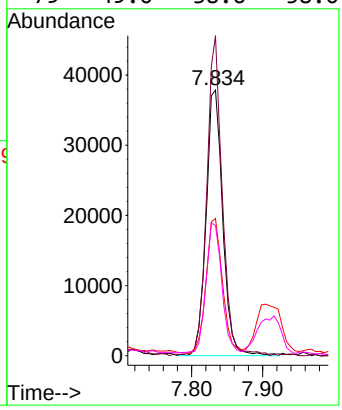


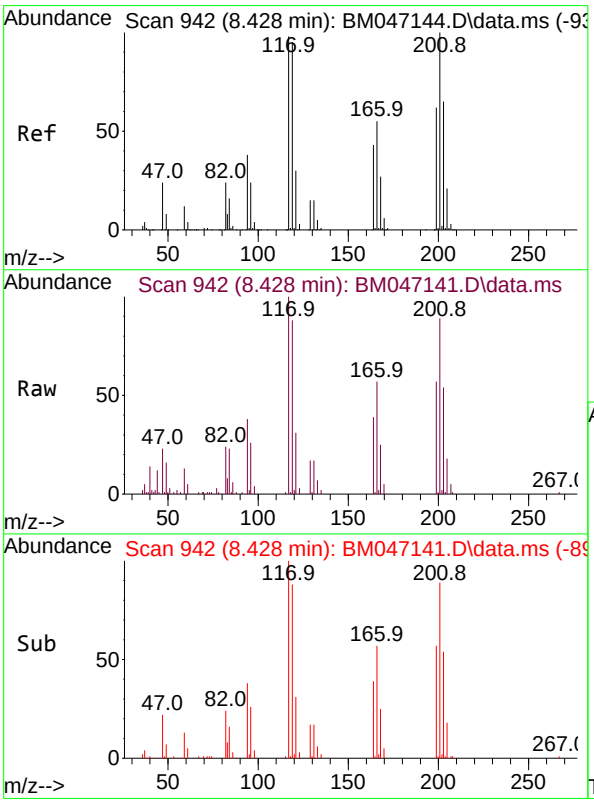
#17
2-Methylphenol
Concen: 5.183 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 61615

Ion	Ratio	Lower	Upper
107	100		
108	120.5	90.6	135.8
77	51.6	39.3	58.9
79	49.0	38.6	58.0

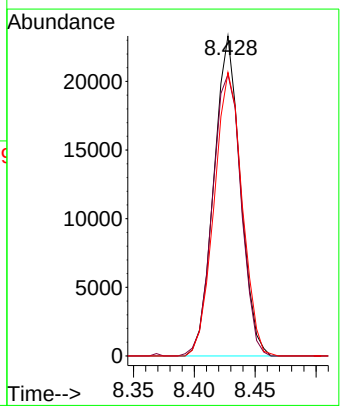


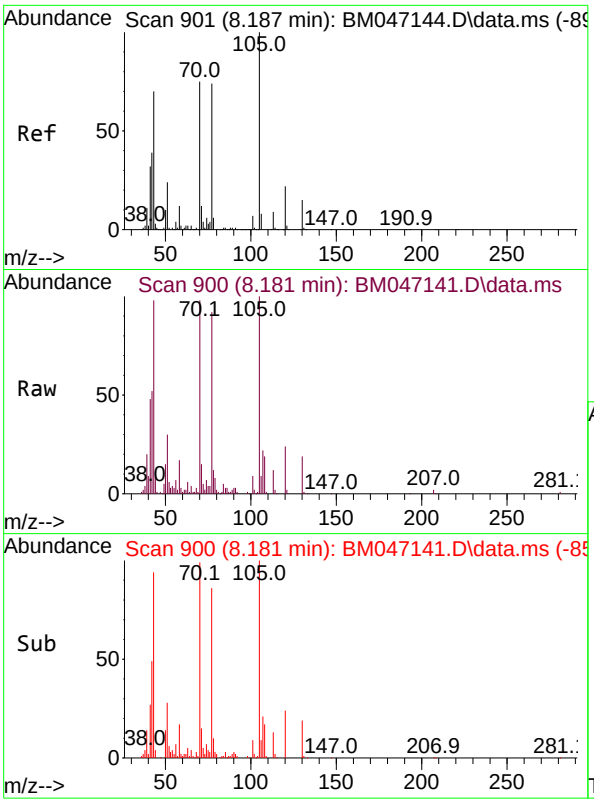


#18
Hexachloroethane
Concen: 5.350 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:117 Resp: 35243

Ion	Ratio	Lower	Upper
117	100		
119	88.0	77.0	115.4
201	88.6	81.3	121.9



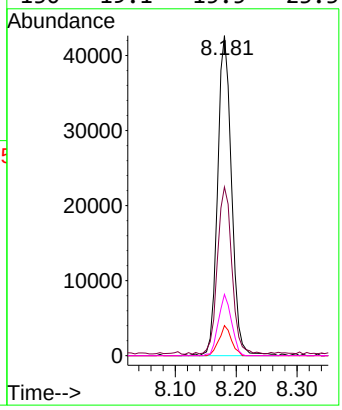


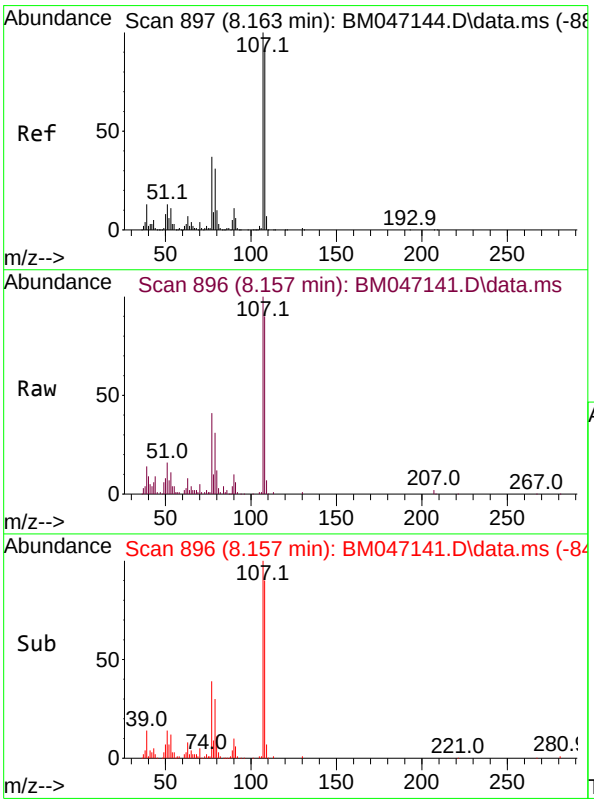
#19
n-Nitroso-di-n-propylamine
Concen: 5.628 ng
RT: 8.181 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 67704

Ion	Ratio	Lower	Upper
70	100		
42	52.7	42.0	63.0
101	9.4	7.2	10.8
130	19.1	15.5	23.3

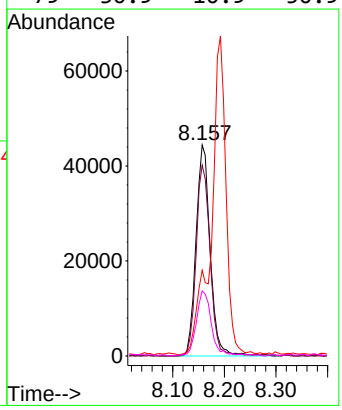


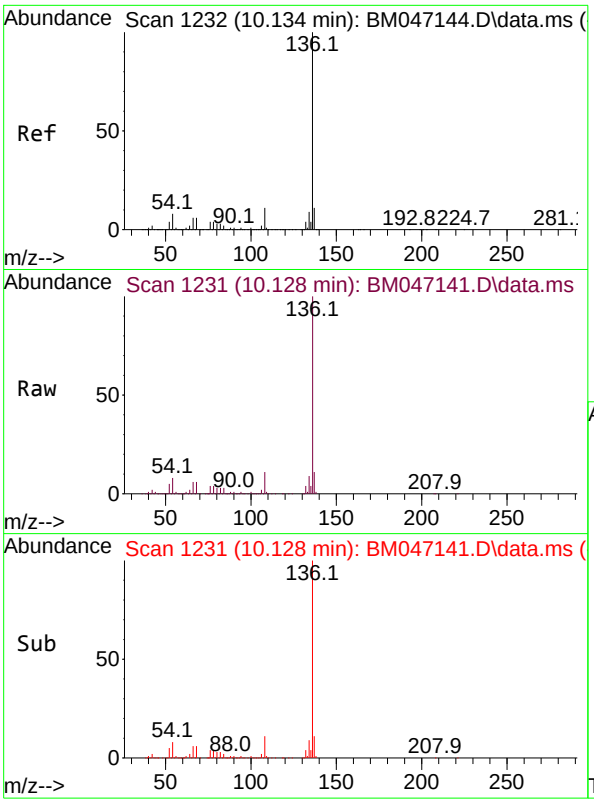


#20
3+4-Methylphenols
Concen: 5.094 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:107 Resp: 84662

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.7	110.7
77	40.6	17.4	57.4
79	30.9	10.9	50.9



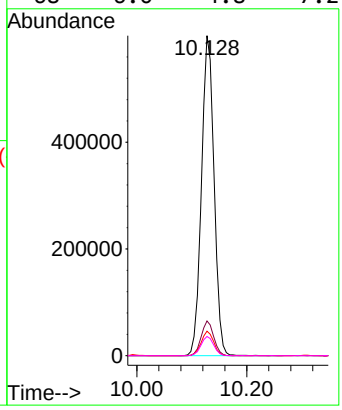


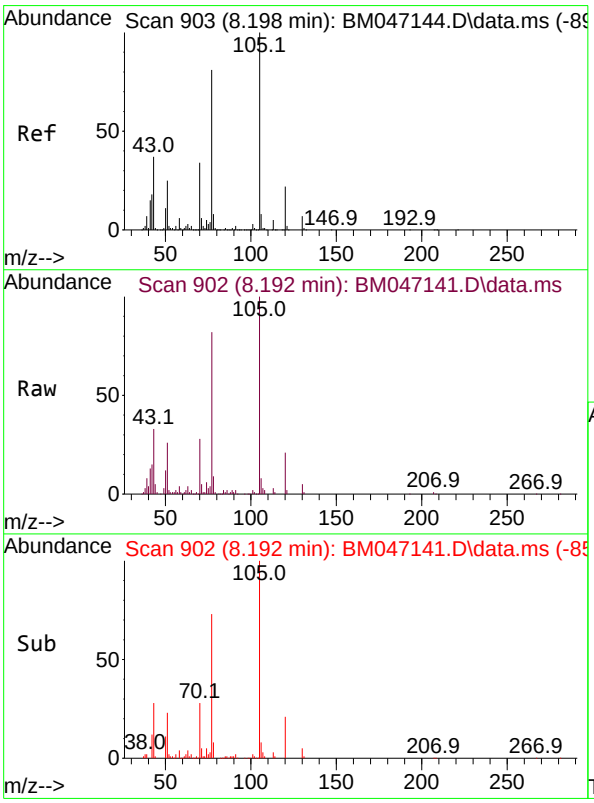
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 953129

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.7	6.0	9.0
68	6.0	4.8	7.2

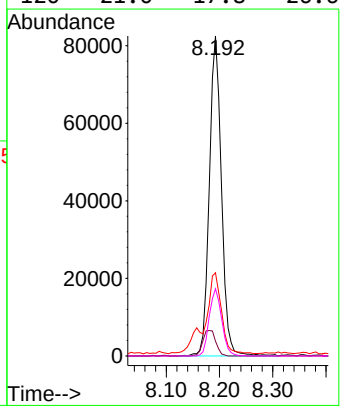


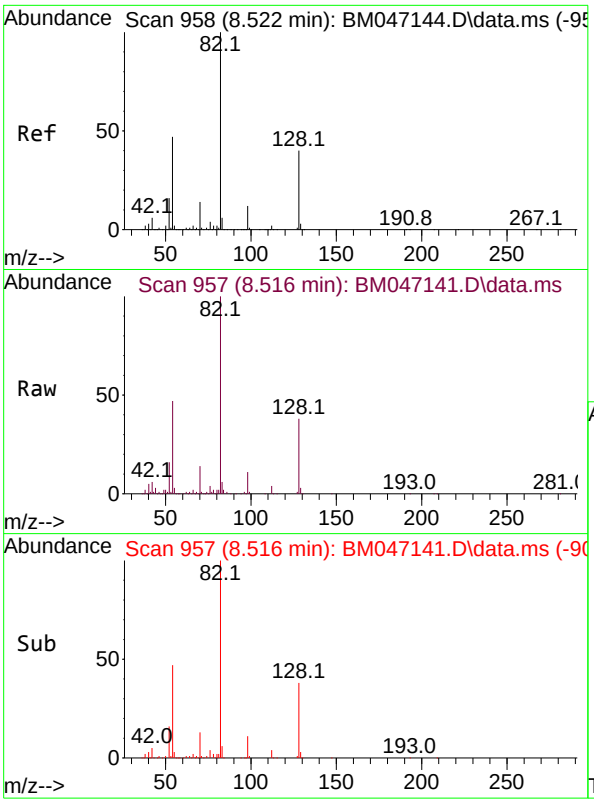


#22
Acetophenone
Concen: 5.665 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:105 Resp: 130329

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.5	6.7
51	26.0	20.1	30.1
120	21.0	17.8	26.6



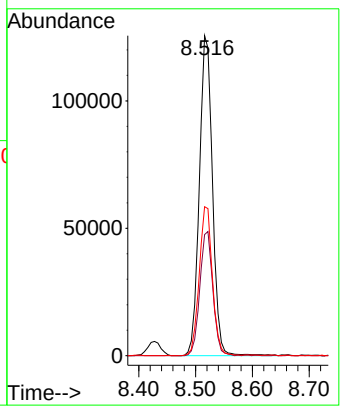


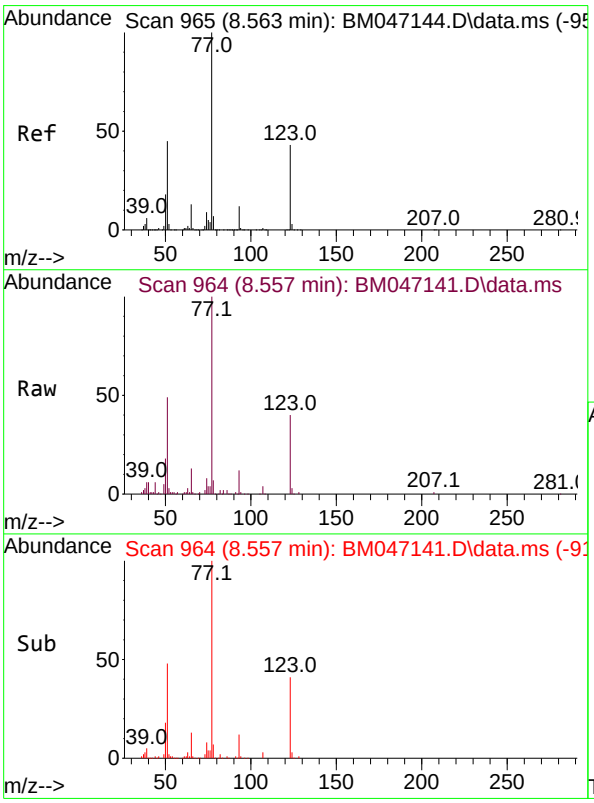
#23
Nitrobenzene-d5
Concen: 10.658 ng
RT: 8.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 201738

Ion	Ratio	Lower	Upper
82	100		
128	37.9	32.3	48.5
54	46.5	37.4	56.2

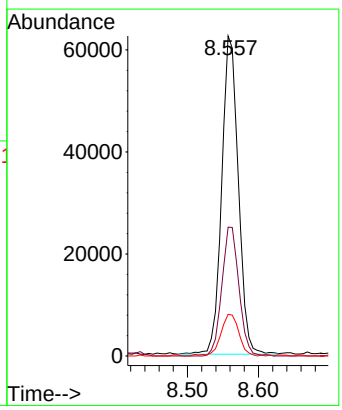


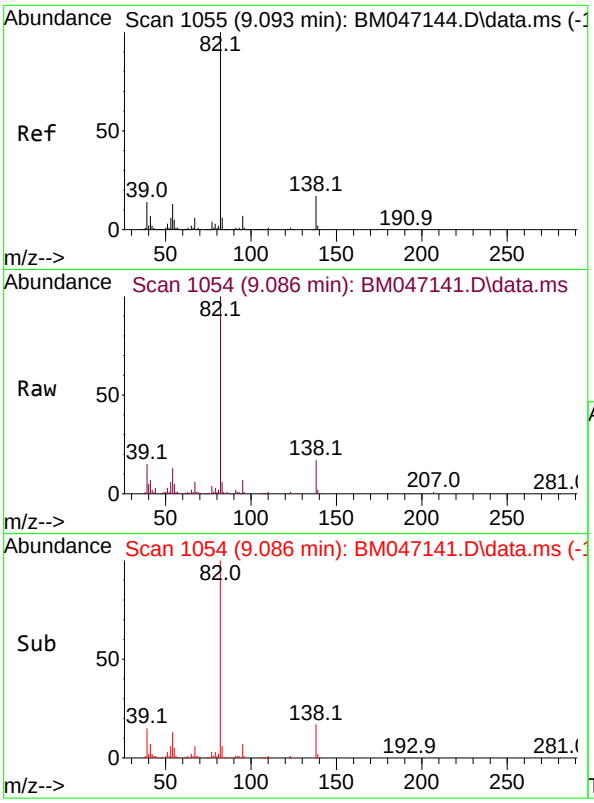


#24
Nitrobenzene
Concen: 5.314 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 77 Resp: 101289

Ion	Ratio	Lower	Upper
77	100		
123	40.2	34.0	51.0
65	13.0	10.5	15.7



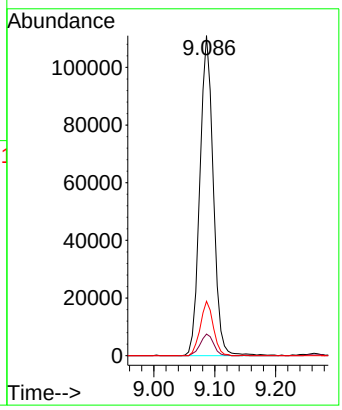


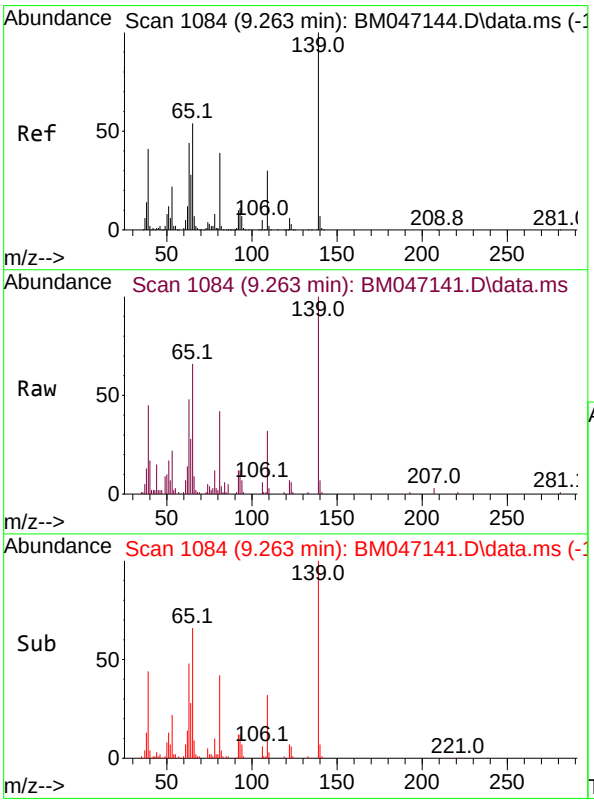
#25
Isophorone
Concen: 5.150 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 169727

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.0	13.5	20.3

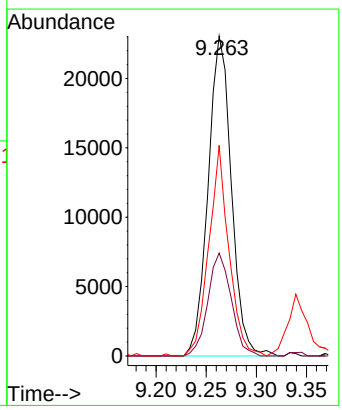


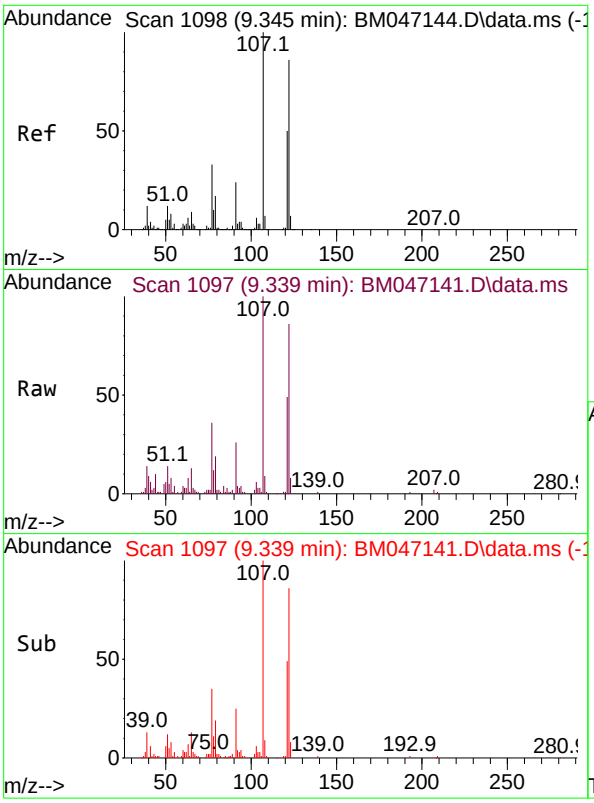


#26
2-Nitrophenol
Concen: 4.410 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:139 Resp: 37222

Ion	Ratio	Lower	Upper
139	100		
109	32.1	24.4	36.6
65	65.8	43.0	64.6#



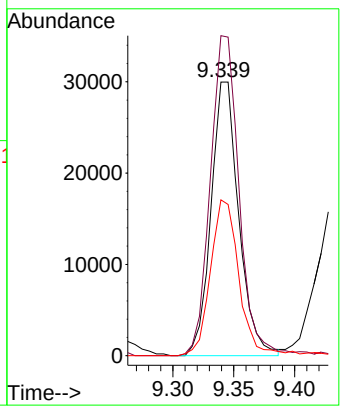


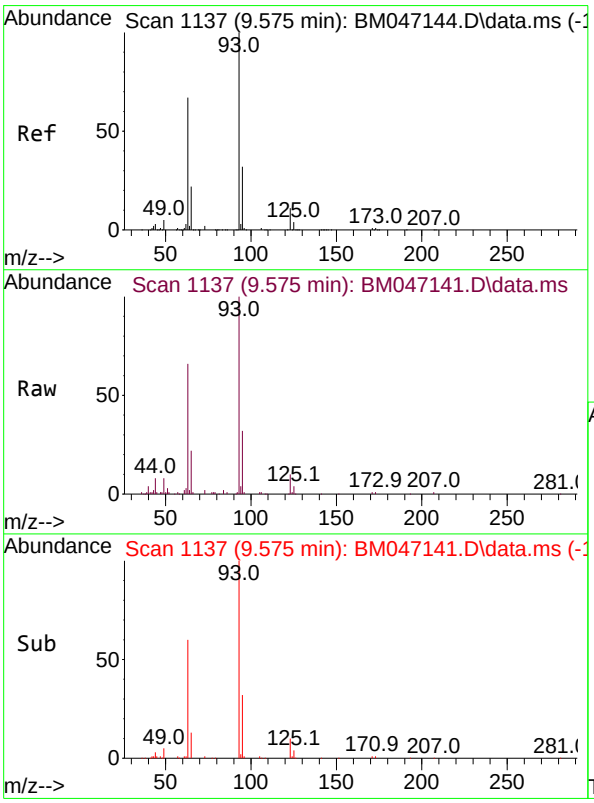
#27
2,4-Dimethylphenol
Concen: 4.808 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 47540

Ion	Ratio	Lower	Upper
122	100		
107	116.9	92.8	139.2
121	57.0	46.1	69.1

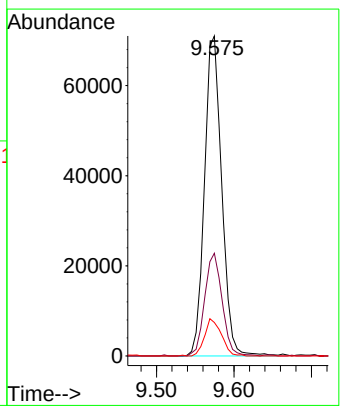


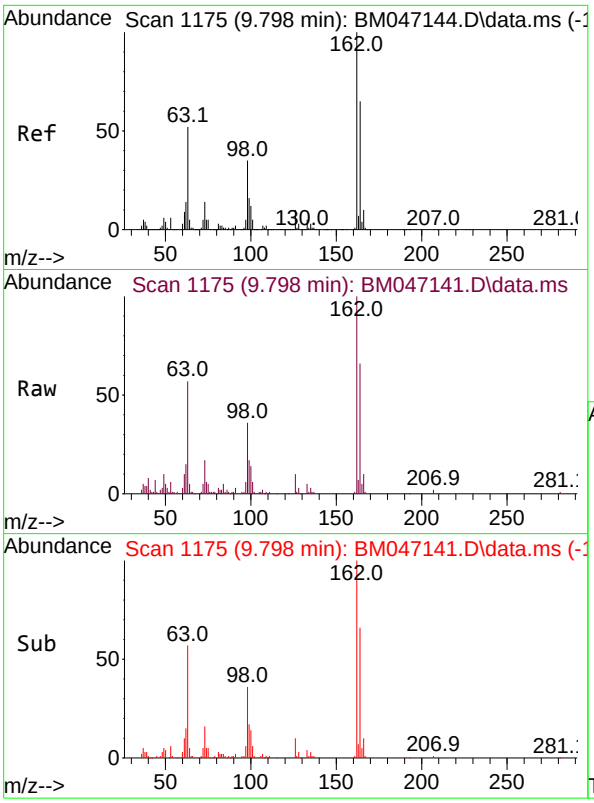


#28
bis(2-Chloroethoxy)methane
Concen: 5.298 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 93 Resp: 109875

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	10.5	9.0	13.4



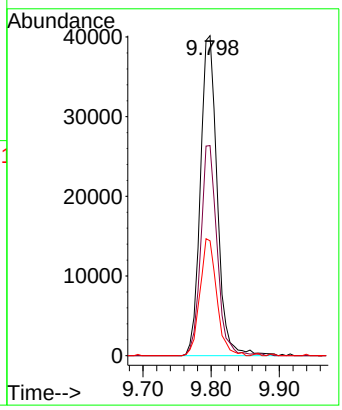


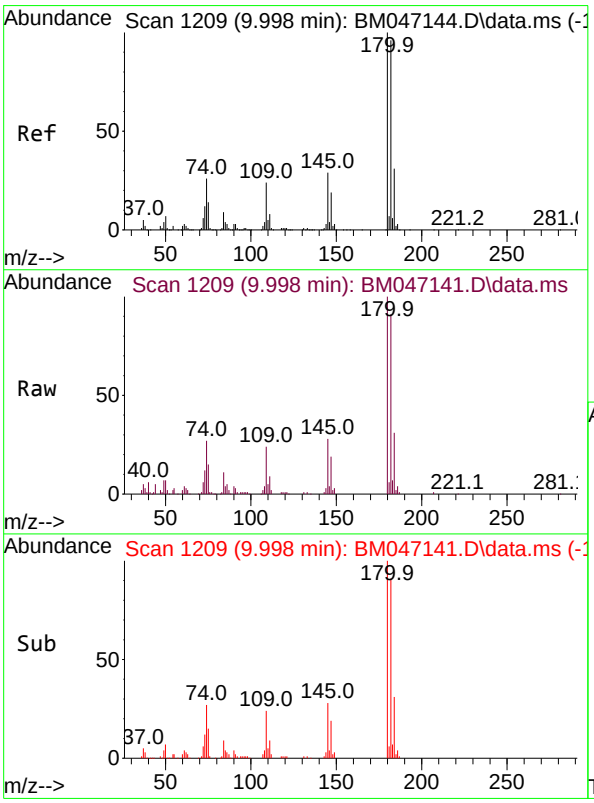
#29
2,4-Dichlorophenol
Concen: 4.700 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 68962

Ion	Ratio	Lower	Upper
162	100		
164	65.6	44.7	84.7
98	35.9	14.9	54.9

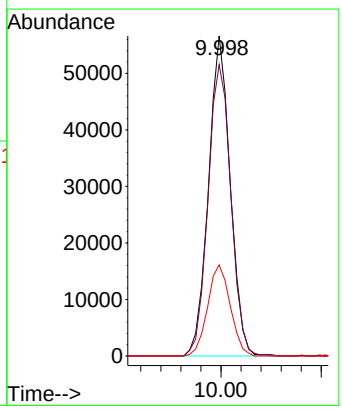


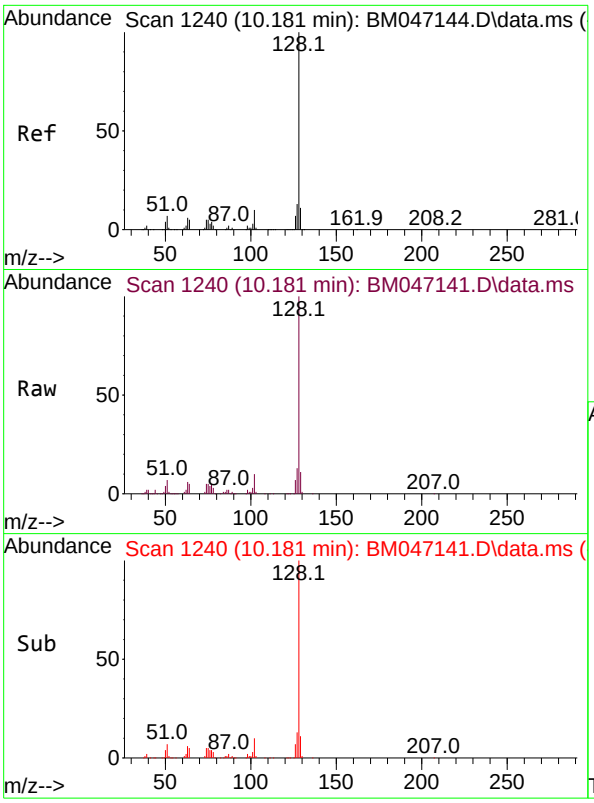


#30
1,2,4-Trichlorobenzene
Concen: 5.129 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:180 Resp: 85165

Ion	Ratio	Lower	Upper
180	100		
182	91.0	76.6	115.0
145	28.4	23.4	35.2



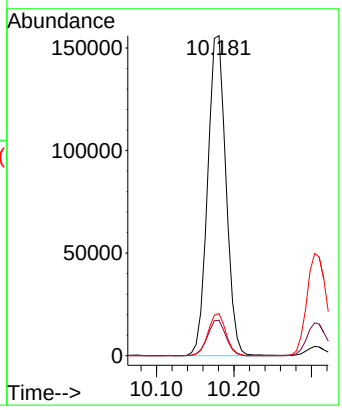


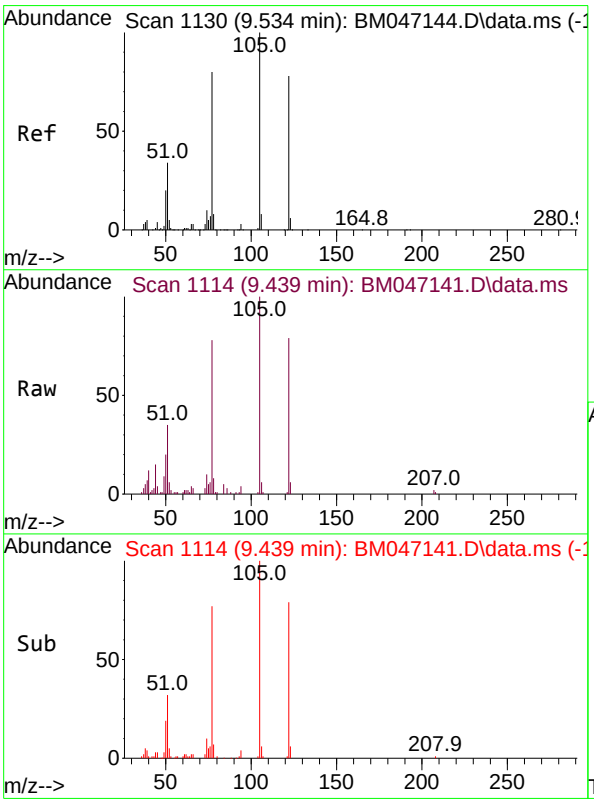
#31
Naphthalene
Concen: 5.395 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 256168

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.2	10.2	15.4

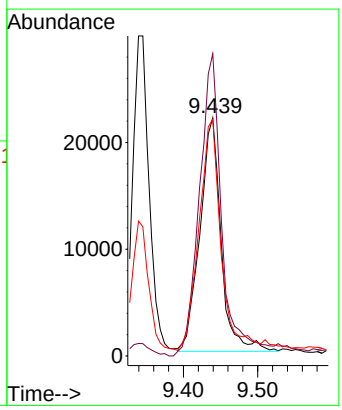


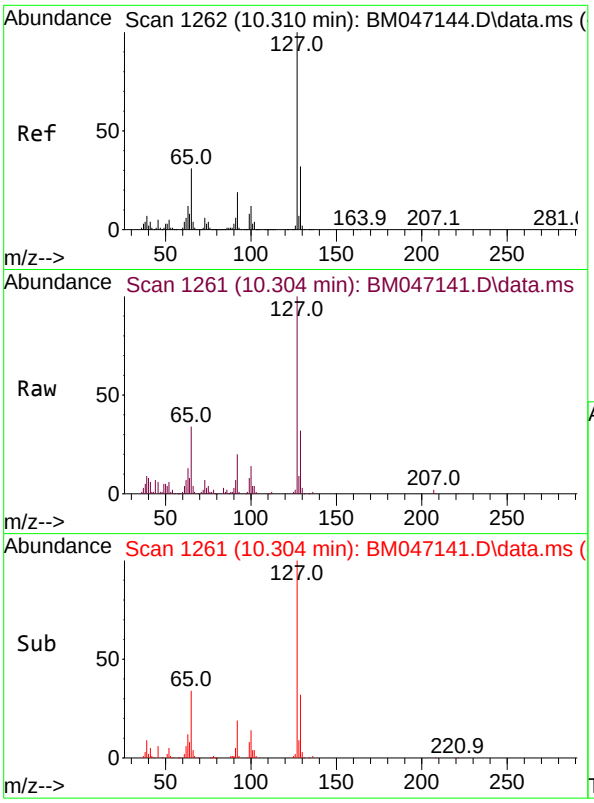


#32
Benzoic acid
Concen: 3.753 ng m
RT: 9.439 min Scan# 1114
Delta R.T. -0.094 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:122 Resp: 43353

Ion	Ratio	Lower	Upper
122	100		
105	127.0	107.1	147.1
77	99.5	82.1	122.1



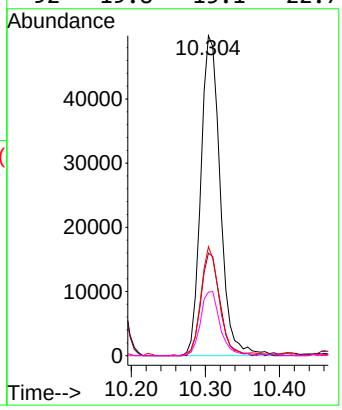


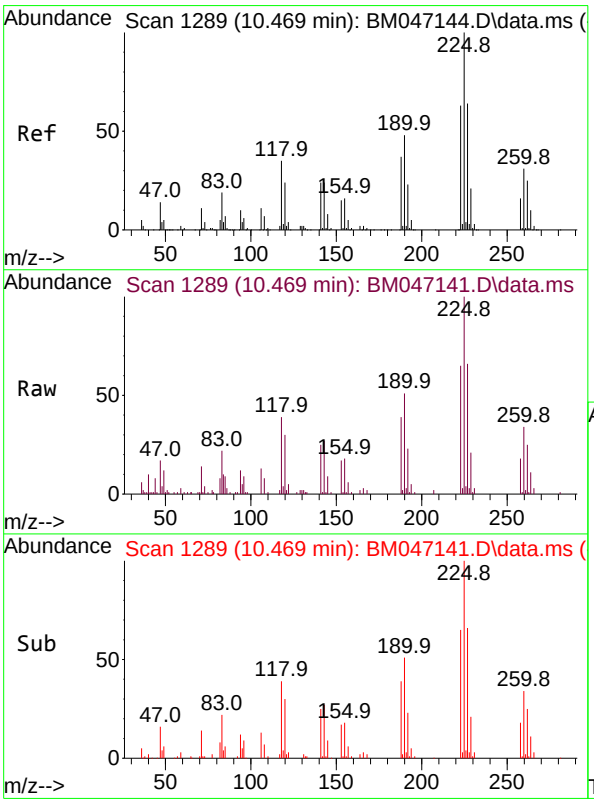
#33
4-Chloroaniline
Concen: 4.983 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 90992

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.8
65	34.1	24.9	37.3
92	19.8	15.1	22.7

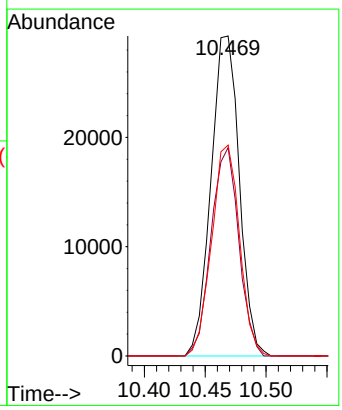


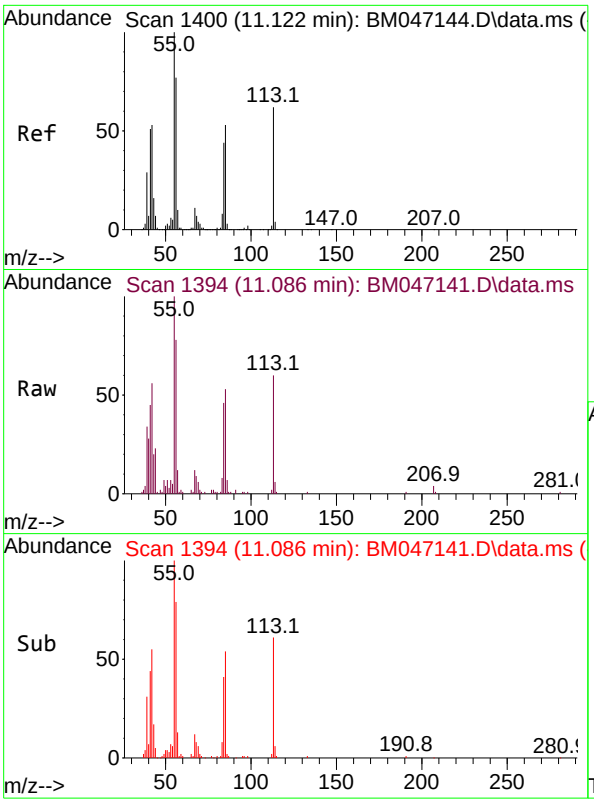


#34
Hexachlorobutadiene
Concen: 4.878 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:225 Resp: 47407

Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.2	75.2
227	65.9	51.4	77.0



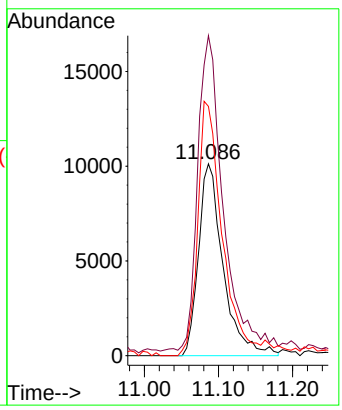


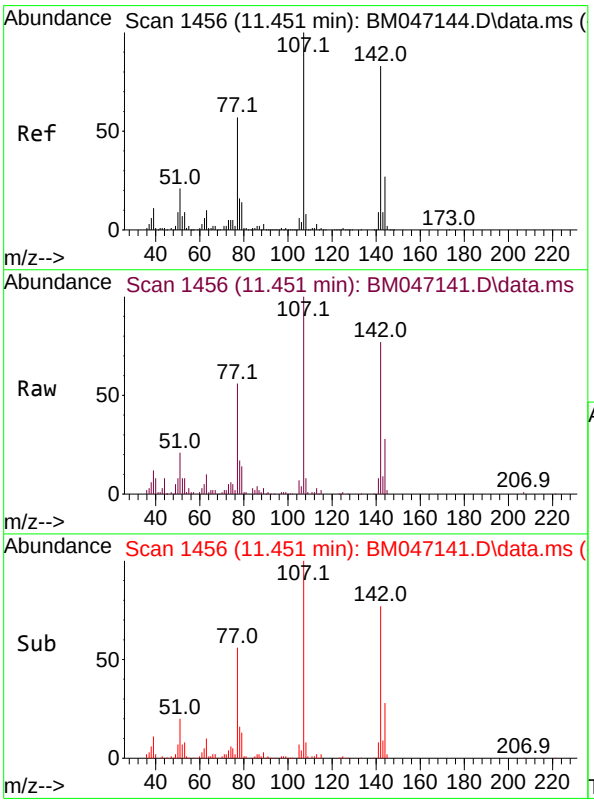
#35
Caprolactam
Concen: 4.576 ng
RT: 11.086 min Scan# 1
Delta R.T. -0.035 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 23316

Ion	Ratio	Lower	Upper
113	100		
55	166.8	140.5	180.5
56	130.0	103.6	143.6

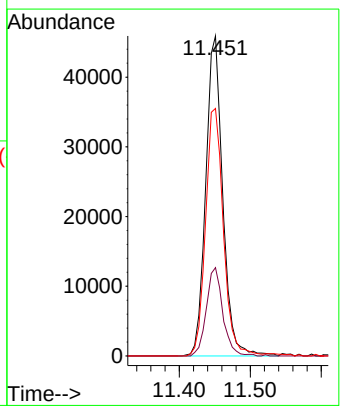


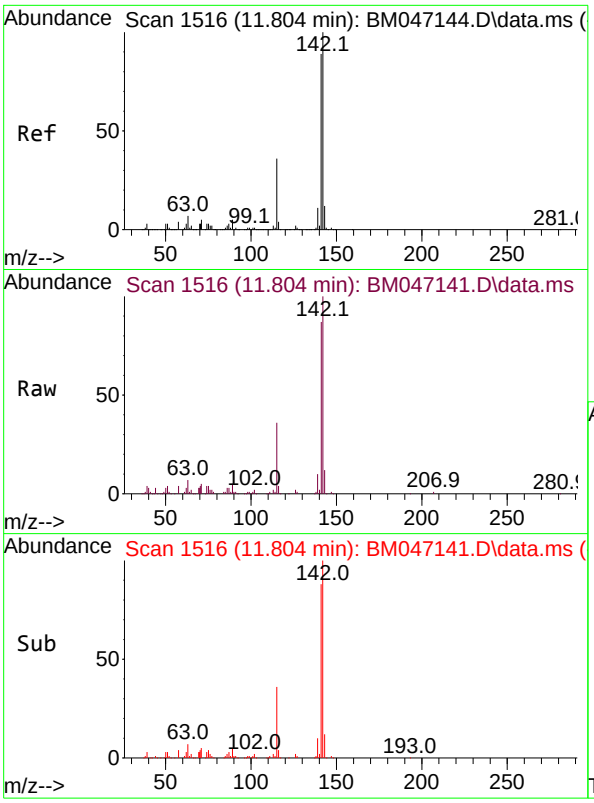


#36
4-Chloro-3-methylphenol
Concen: 4.882 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:107 Resp: 76286

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.8	32.6
142	77.3	66.8	100.2



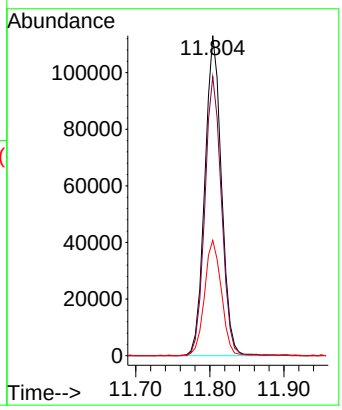


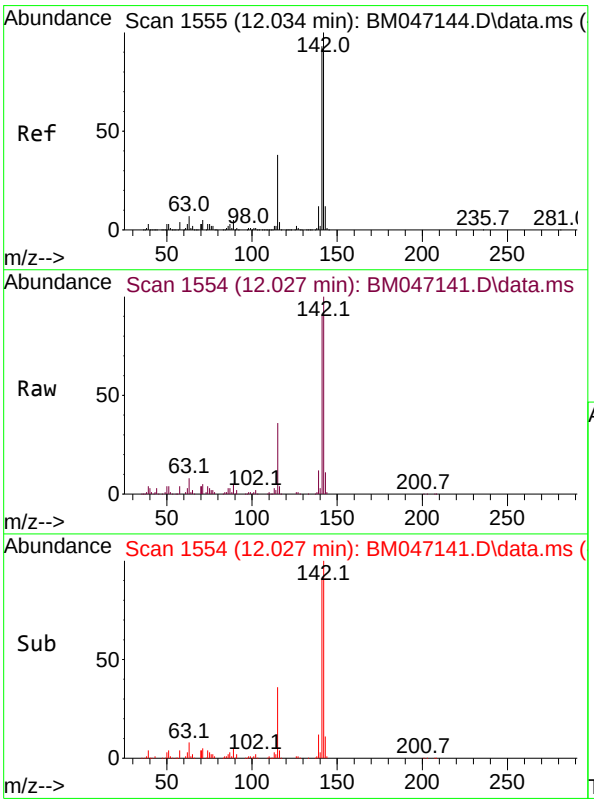
#37
2-Methylnaphthalene
Concen: 5.220 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 176480

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.9	106.3
115	36.1	28.7	43.1

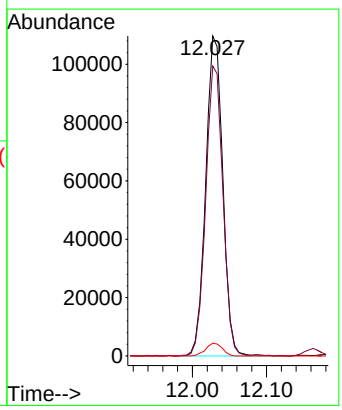


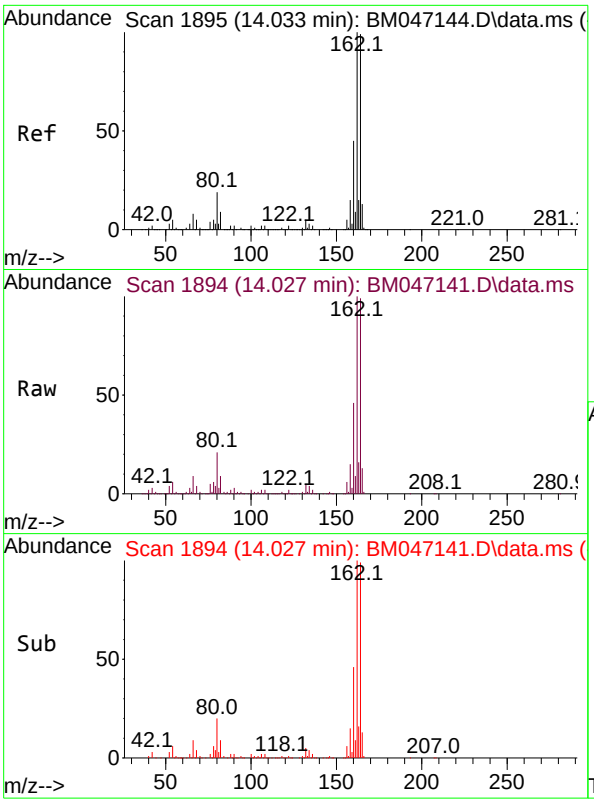


#38
1-Methylnaphthalene
Concen: 5.255 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:142 Resp: 175570

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.6	111.8
116	4.0	3.1	4.7



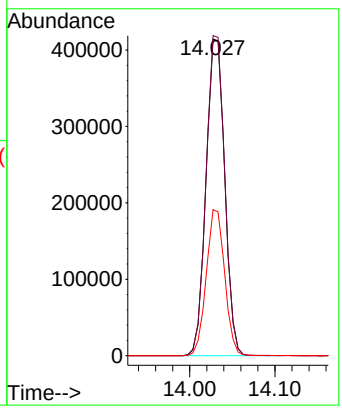


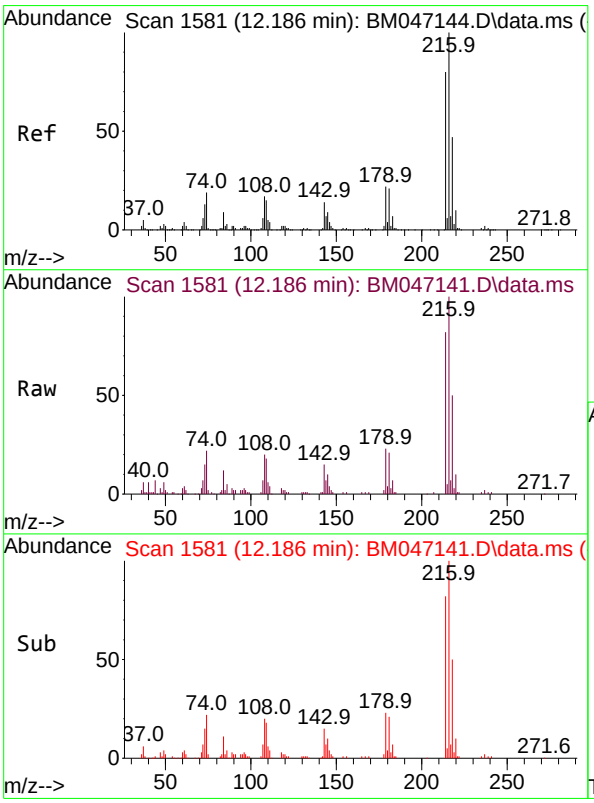
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 629995

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.7	121.1
160	46.1	36.0	54.0

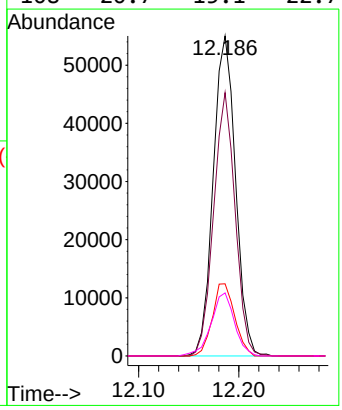


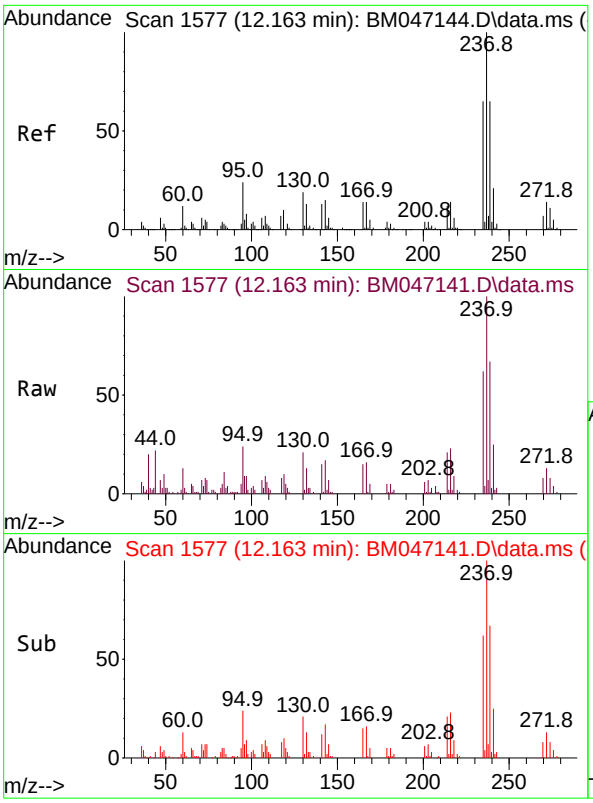


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.941 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:216 Resp: 84909

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.4	95.2
179	22.6	17.6	26.4
108	20.7	15.1	22.7



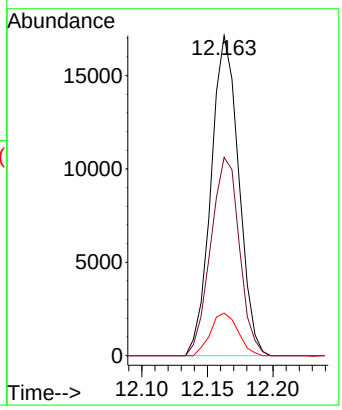


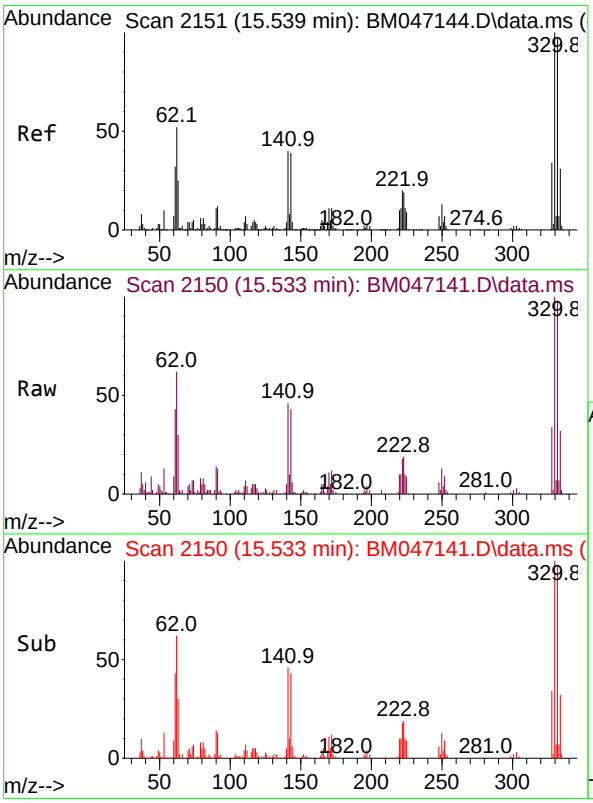
#41
Hexachlorocyclopentadiene
Concen: 4.195 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 25169

Ion	Ratio	Lower	Upper
237	100		
235	62.0	44.8	84.8
272	13.3	0.0	33.5

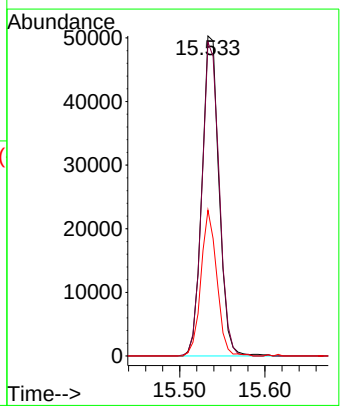


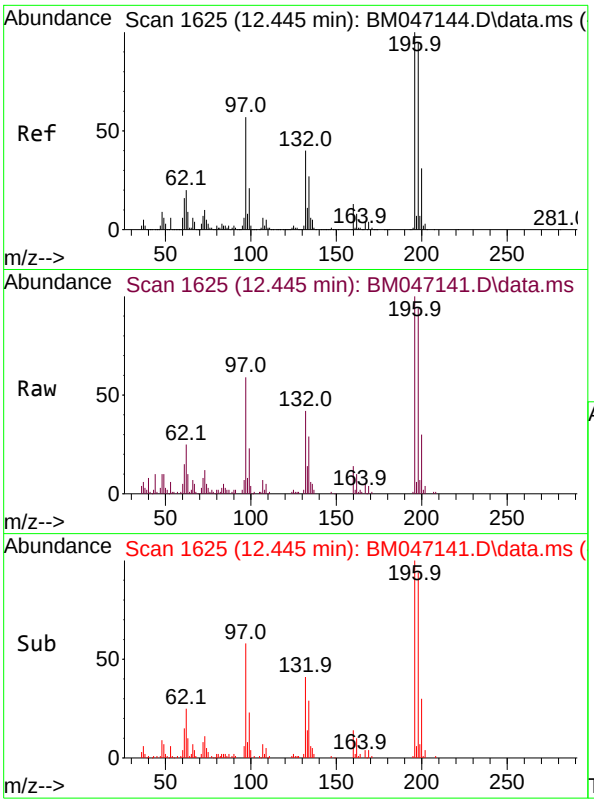


#42
2,4,6-Tribromophenol
Concen: 9.593 ng
RT: 15.533 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:330 Resp: 70075

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.4	116.2
141	42.2	31.6	47.4



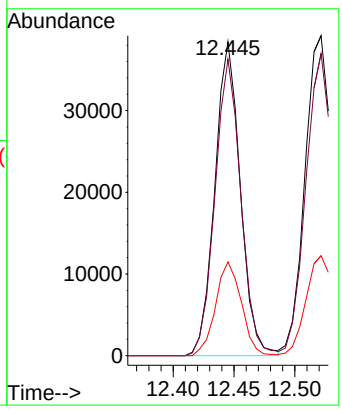


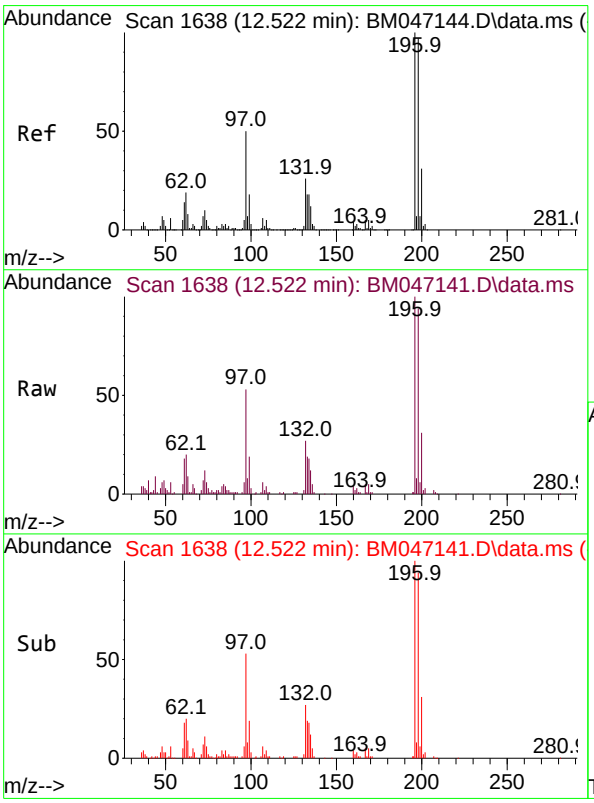
#43
2,4,6-Trichlorophenol
Concen: 4.582 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 55962

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.6	113.4
200	29.9	24.6	37.0

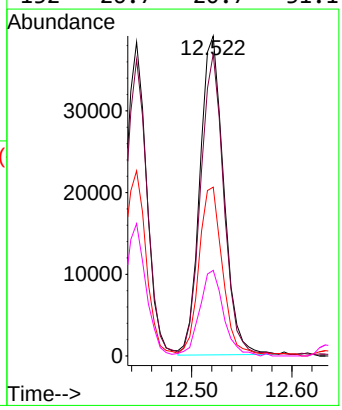


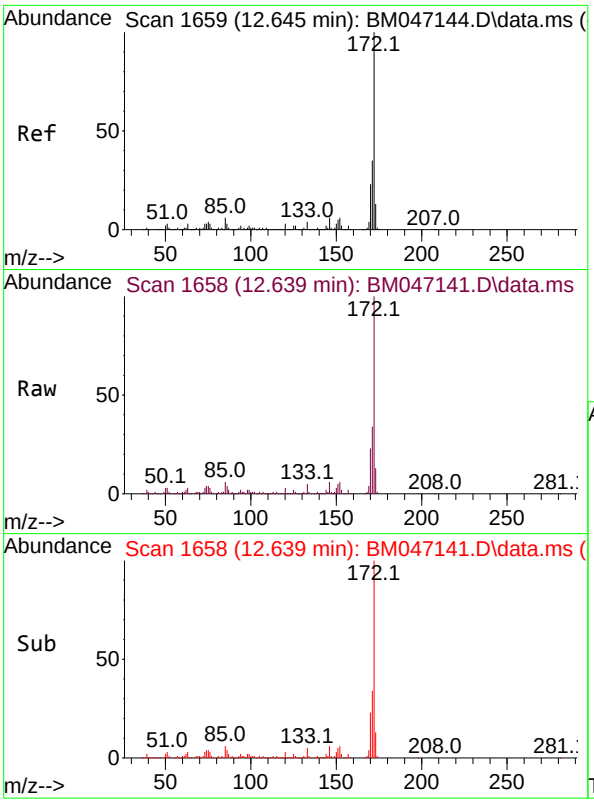


#44
2,4,5-Trichlorophenol
Concen: 4.765 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:196 Resp: 64621

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.7	116.5
97	52.8	39.8	59.8
132	26.7	20.7	31.1



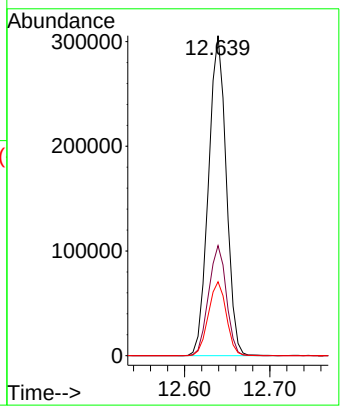


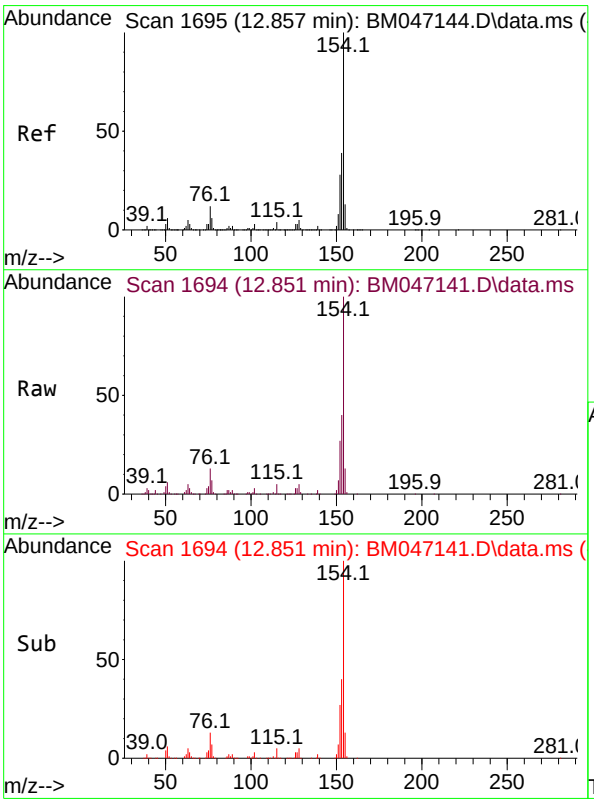
#45
2-Fluorobiphenyl
Concen: 10.847 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 442999

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.1	18.7	28.1

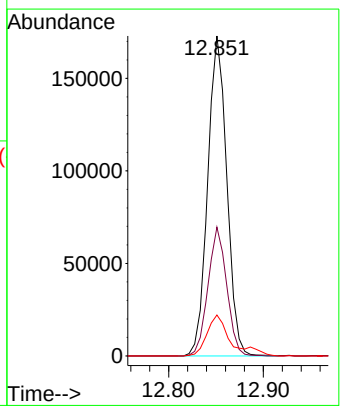


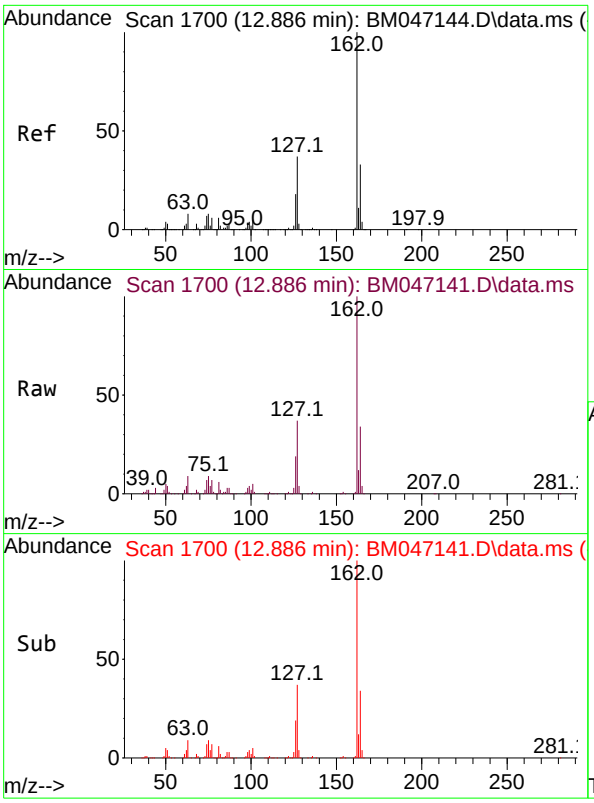


#46
1,1'-Biphenyl
Concen: 5.400 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:154 Resp: 242201

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.0	59.0
76	12.8	0.0	31.9



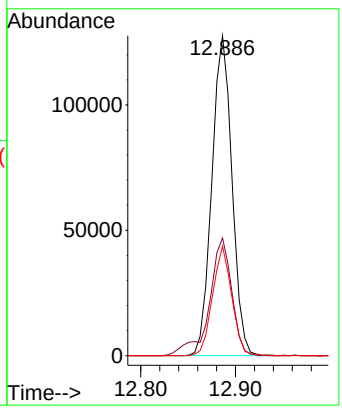


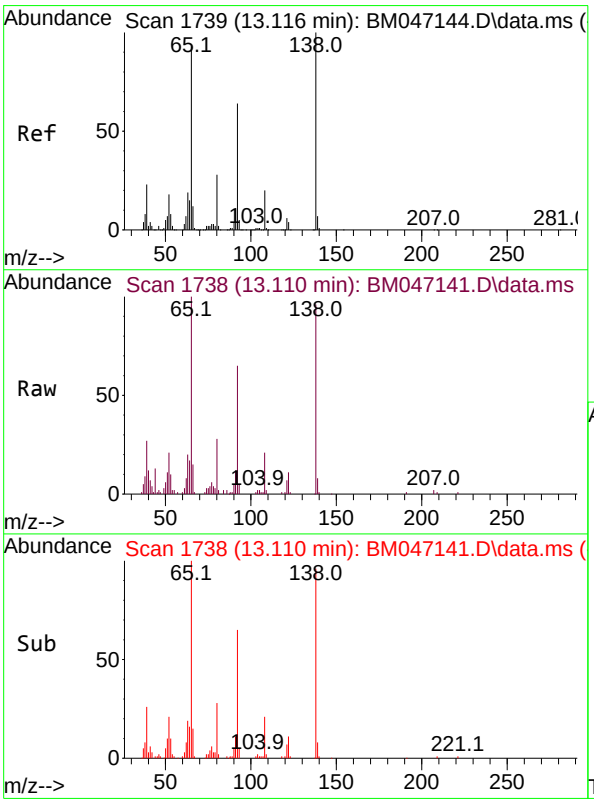
#47
2-Chloronaphthalene
Concen: 5.380 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 188590

Ion	Ratio	Lower	Upper
162	100		
127	36.8	30.0	45.0
164	34.2	26.3	39.5

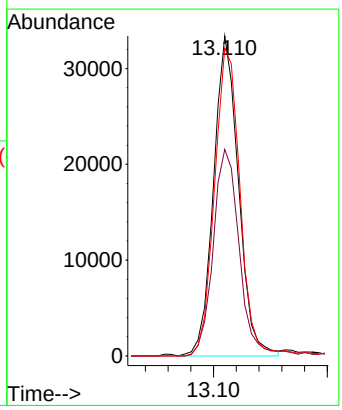


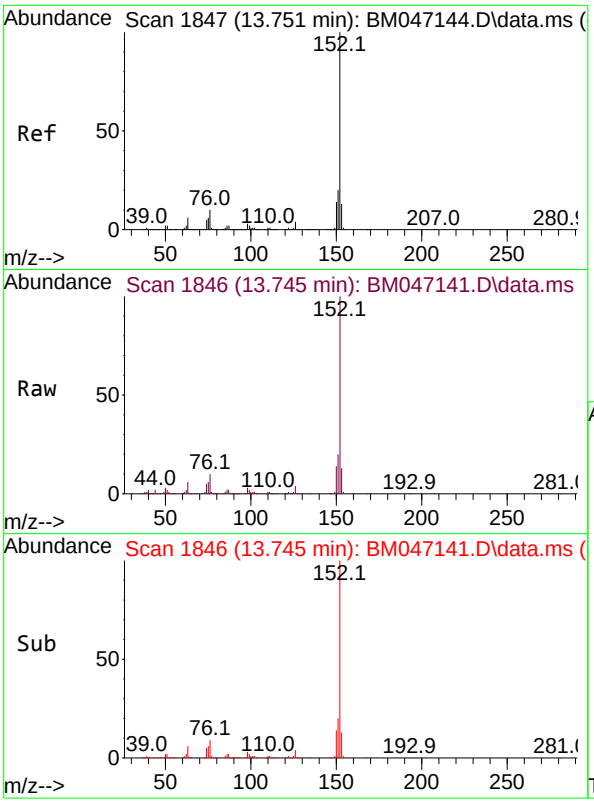


#48
2-Nitroaniline
Concen: 4.632 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 65 Resp: 50873

Ion	Ratio	Lower	Upper
65	100		
92	64.6	55.1	82.7
138	96.3	85.9	128.9



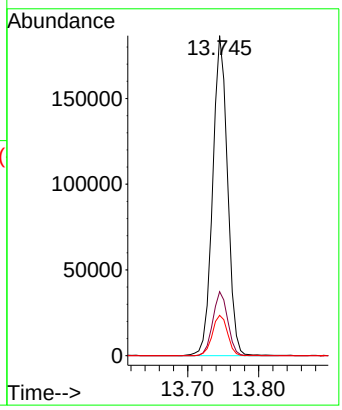


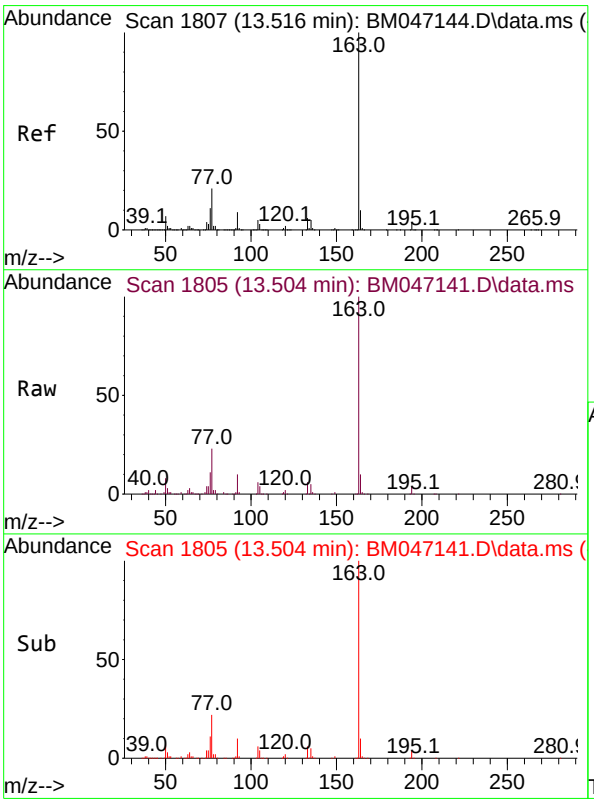
#49
Acenaphthylene
Concen: 5.238 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 270677

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	12.6	10.4	15.6

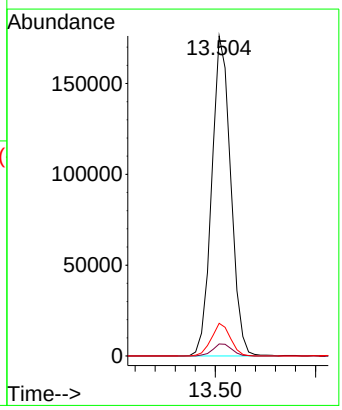


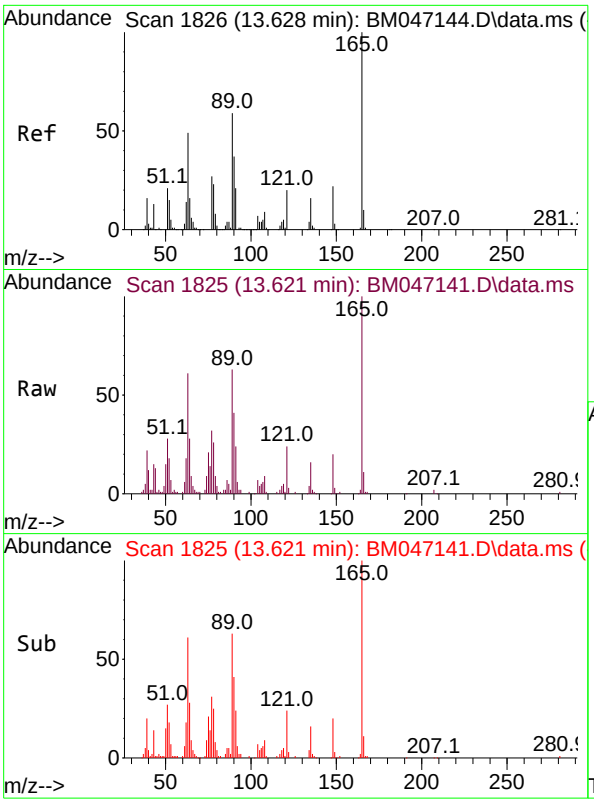


#50
Dimethylphthalate
Concen: 5.268 ng
RT: 13.504 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:163 Resp: 231786

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0



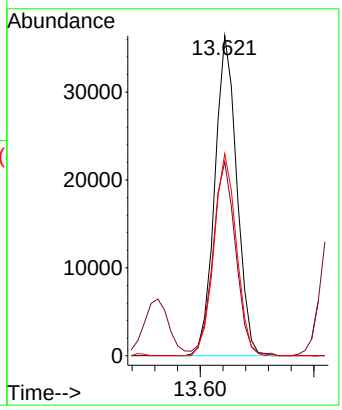


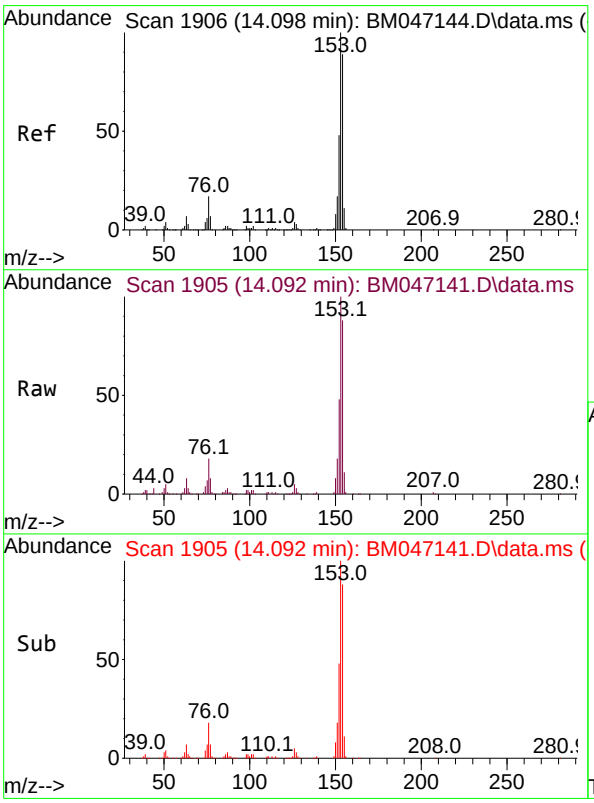
#51
2,6-Dinitrotoluene
Concen: 4.764 ng
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 49002

Ion	Ratio	Lower	Upper
165	100		
63	60.6	46.5	69.7
89	63.1	47.3	70.9

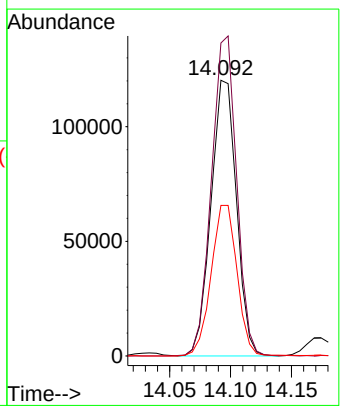


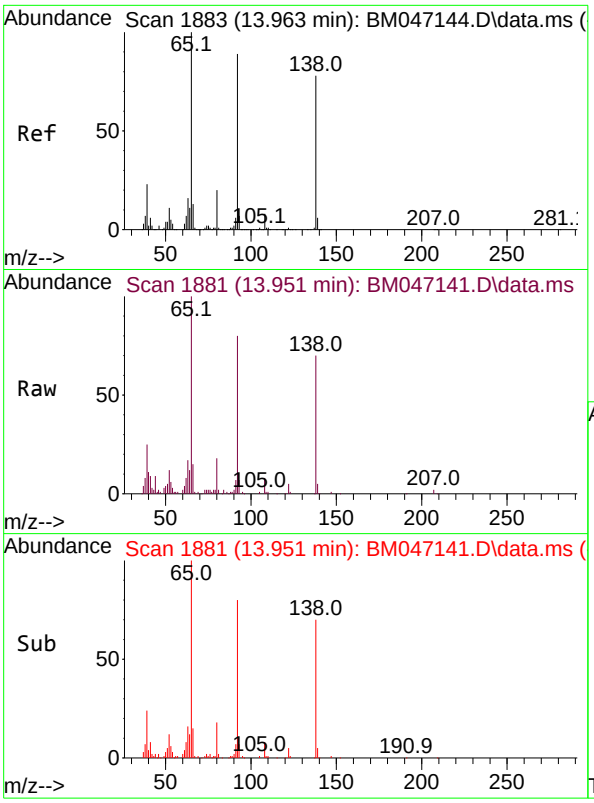


#52
Acenaphthene
Concen: 5.355 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:154 Resp: 175534

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.3	135.5
152	54.6	42.9	64.3



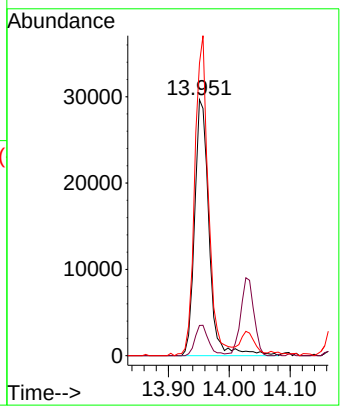


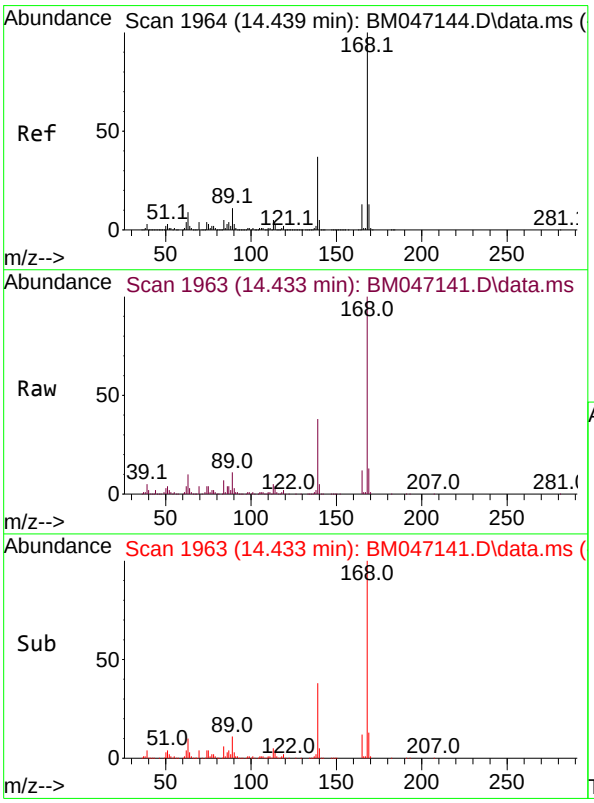
#53
3-Nitroaniline
Concen: 4.734 ng
RT: 13.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 48787

Ion	Ratio	Lower	Upper
138	100		
108	11.8	7.9	11.9
92	114.2	92.0	138.0

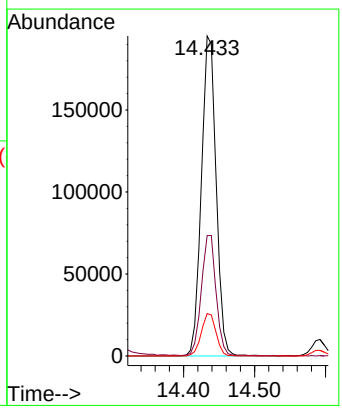


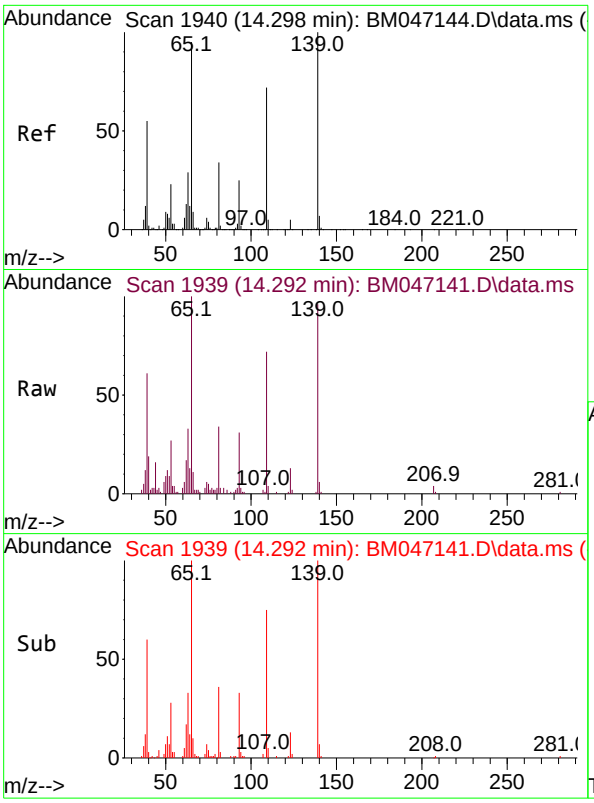


#55
Dibenzofuran
Concen: 5.444 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:168 Resp: 281866

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.6	44.4
169	13.3	10.7	16.1



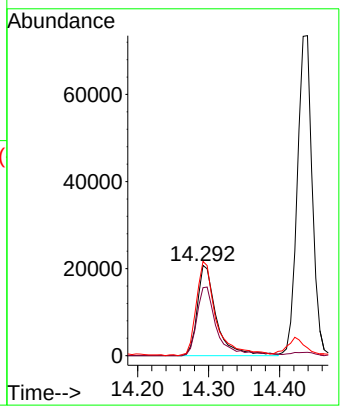


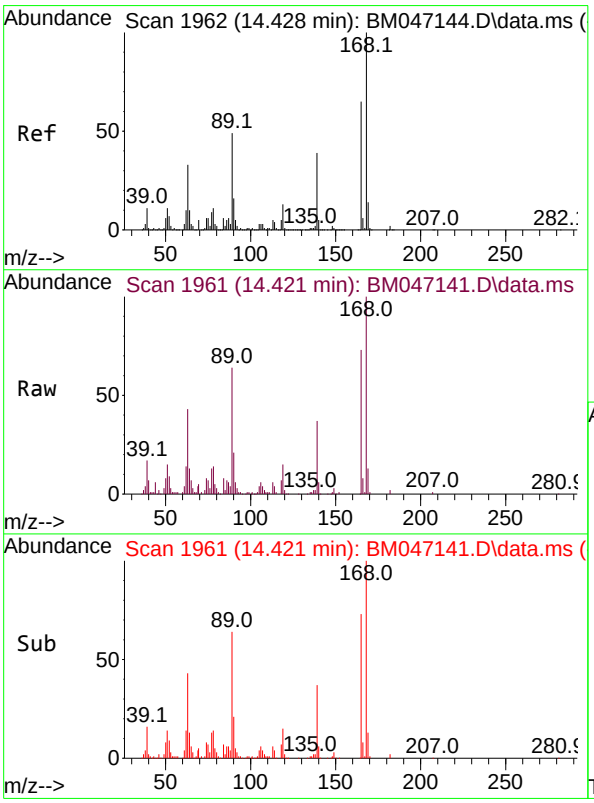
#56
4-Nitrophenol
Concen: 4.374 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 38873

Ion	Ratio	Lower	Upper
139	100		
109	75.4	52.5	92.5
65	104.4	75.4	115.4

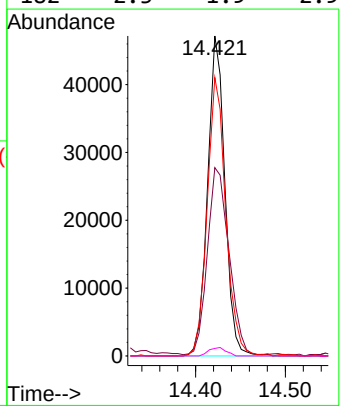


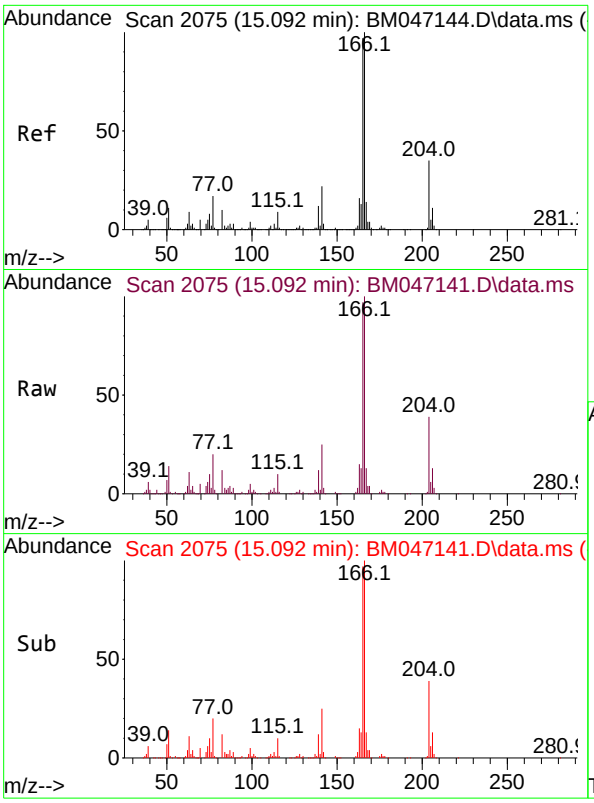


#57
2,4-Dinitrotoluene
Concen: 4.589 ng
RT: 14.421 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:165 Resp: 63007

Ion	Ratio	Lower	Upper
165	100		
63	58.9	40.3	60.5
89	87.0	61.0	91.6
182	2.3	1.9	2.9



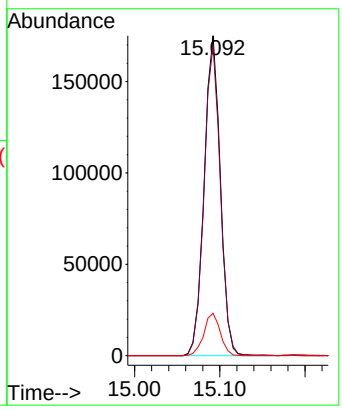


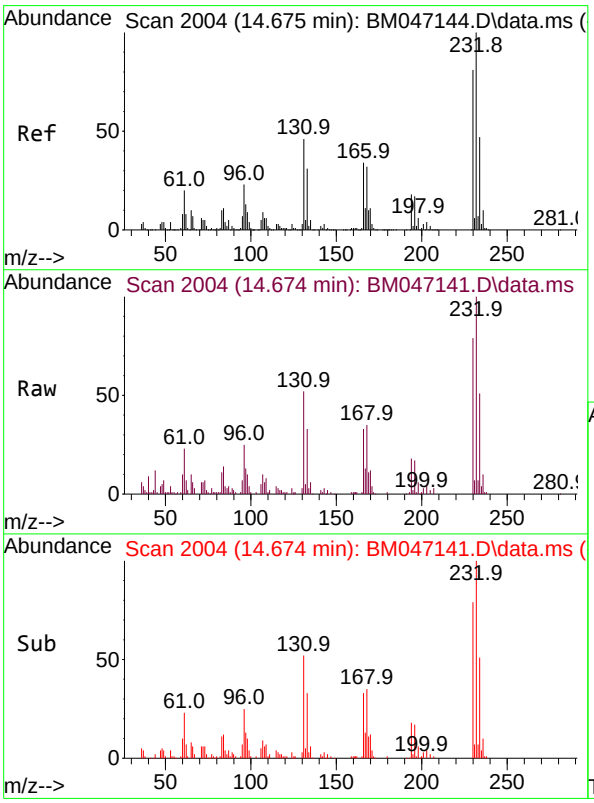
#58
Fluorene
Concen: 5.418 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 231431

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.4	116.0
167	13.3	11.0	16.6

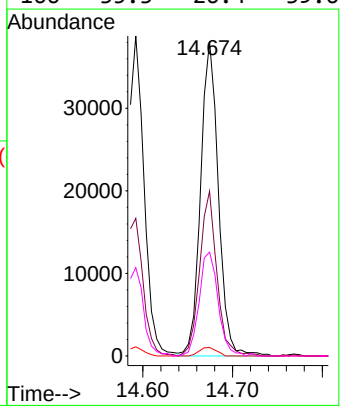


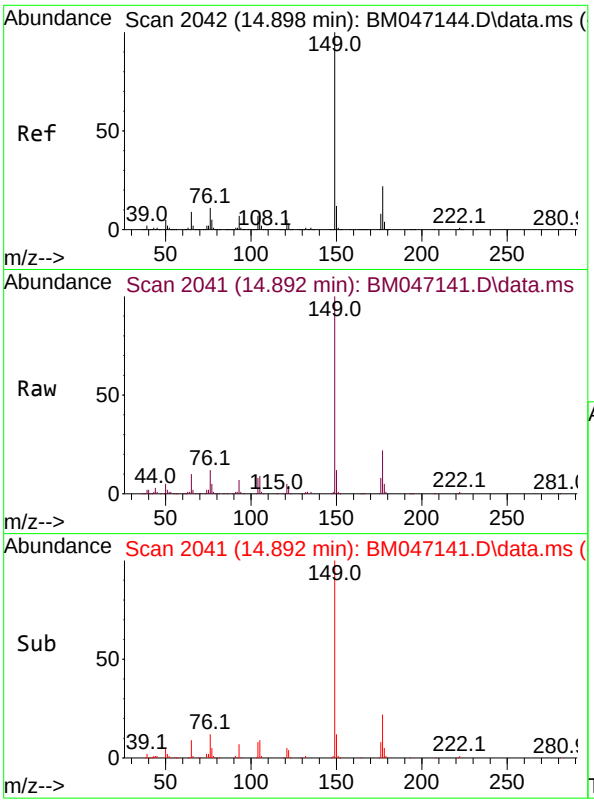


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.710 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:232 Resp: 52488

Ion	Ratio	Lower	Upper
232	100		
131	50.7	36.9	55.3
130	2.6	2.0	3.0
166	35.3	26.4	39.6



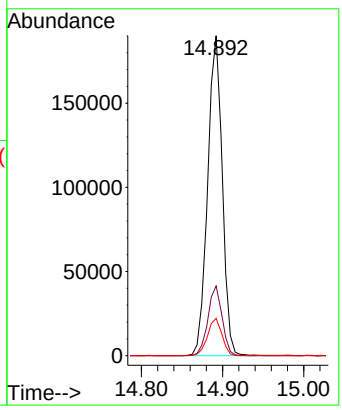


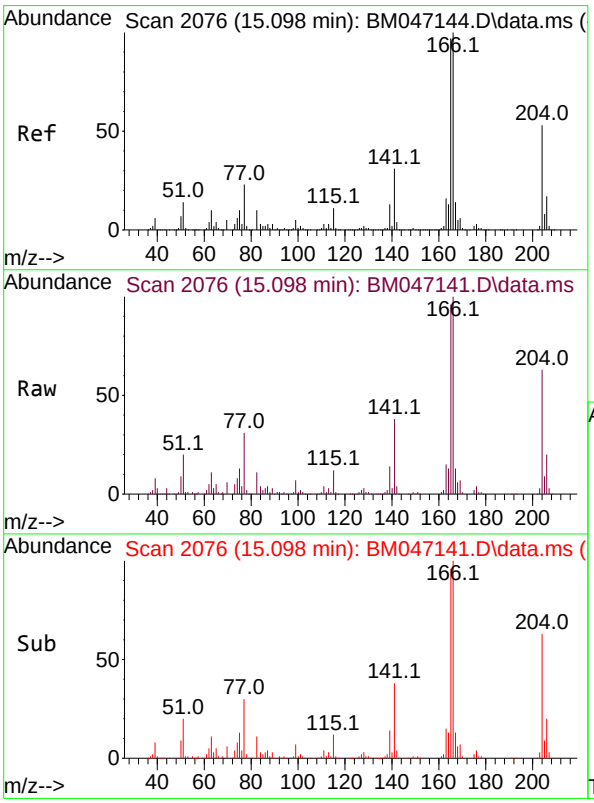
#60
Diethylphthalate
Concen: 5.274 ng
RT: 14.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 236973

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.6	26.4
150	11.6	9.8	14.6

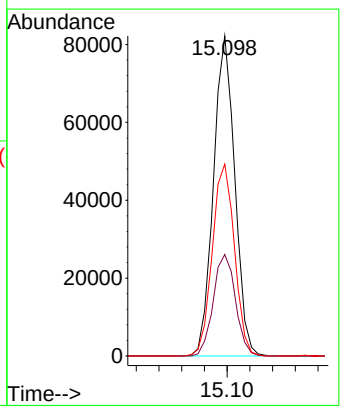


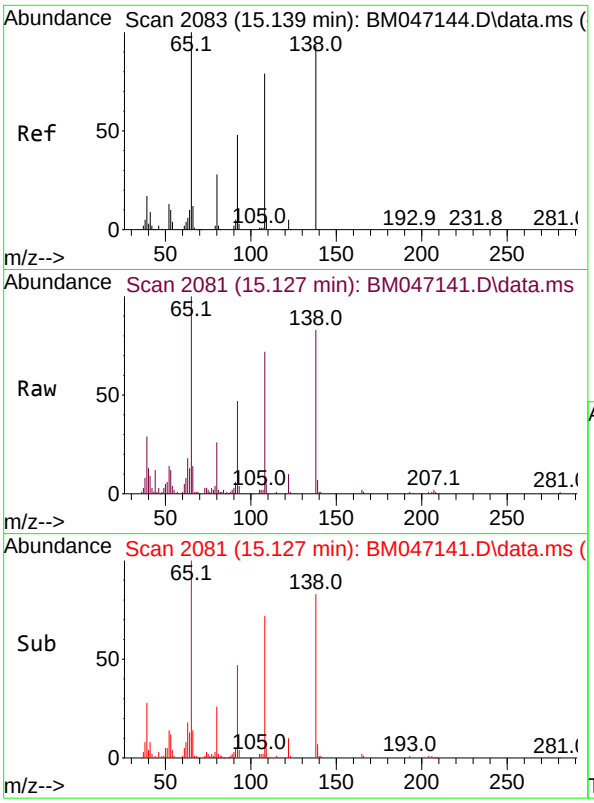


#61
4-Chlorophenyl-phenylether
Concen: 5.274 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:204 Resp: 107266

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.2	39.4
141	60.0	47.2	70.8



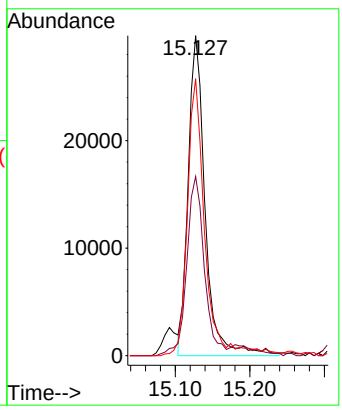


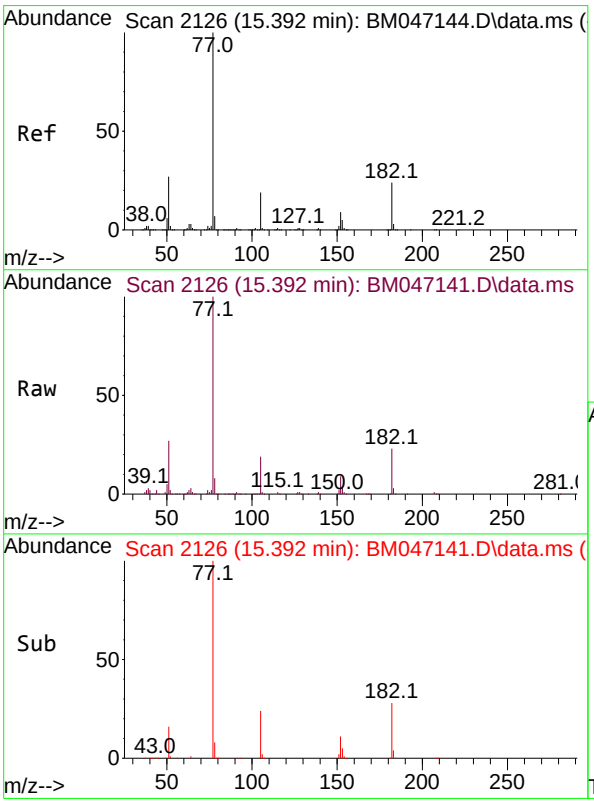
#62
4-Nitroaniline
Concen: 4.656 ng m
RT: 15.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 47275

Ion	Ratio	Lower	Upper
138	100		
92	56.0	31.9	71.9
108	86.6	63.8	103.8

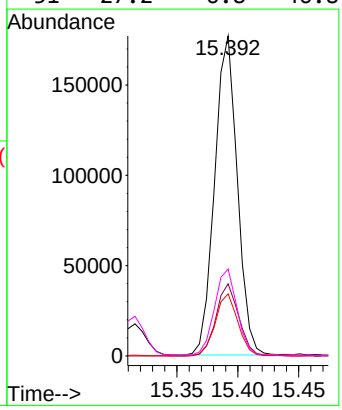


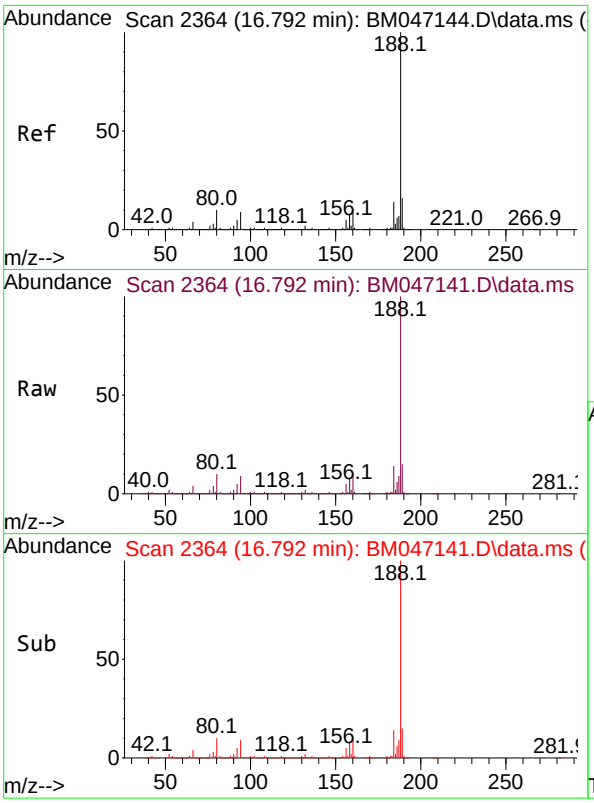


#63
Azobenzene
Concen: 5.378 ng
RT: 15.392 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 77 Resp: 229119

Ion	Ratio	Lower	Upper
77	100		
182	22.5	3.8	43.8
105	19.4	0.0	39.5
51	27.2	6.8	46.8



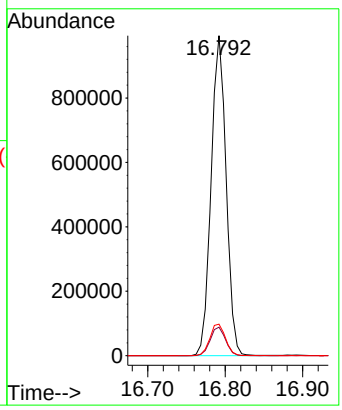


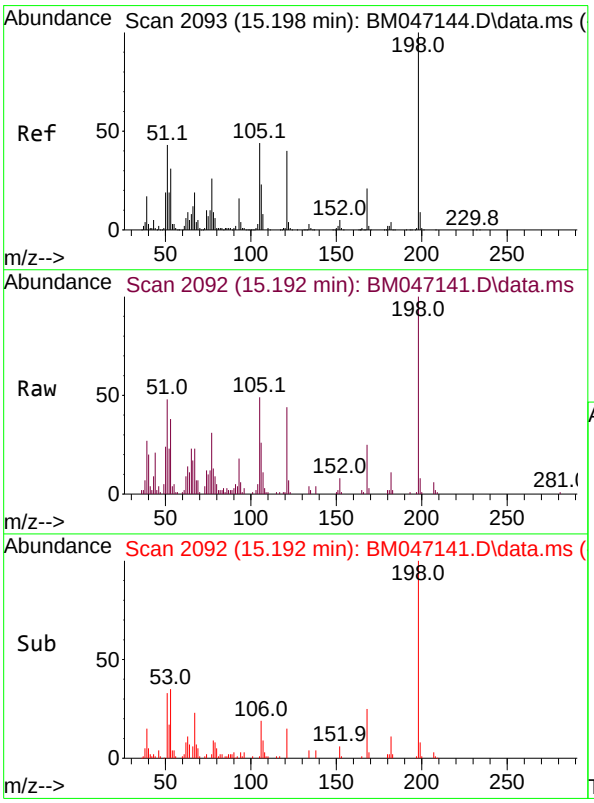
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1336137

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.6
80	9.9	8.0	12.0

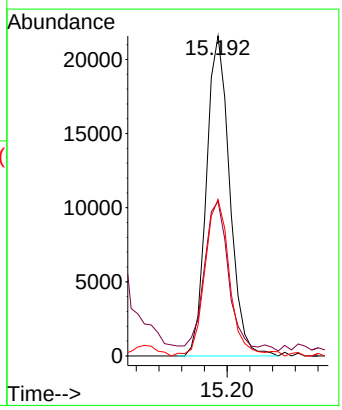


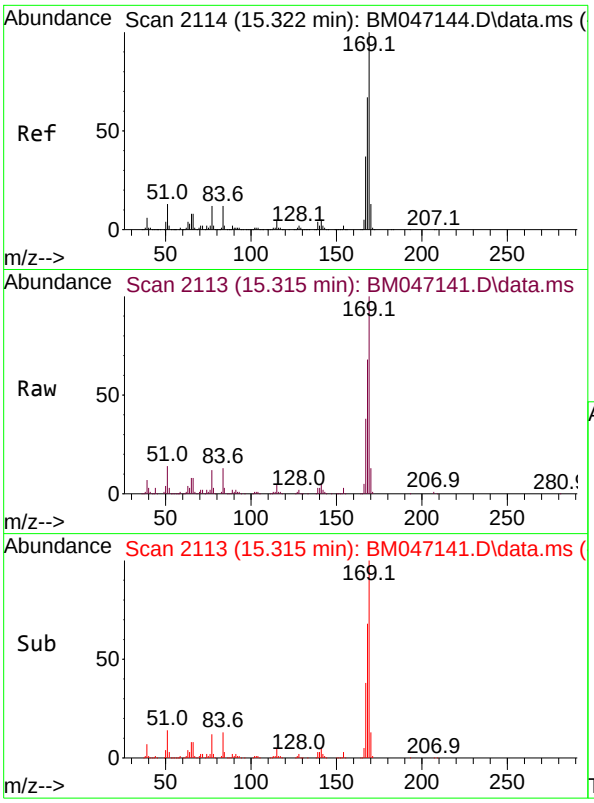


#65
4,6-Dinitro-2-methylphenol
Concen: 3.916 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:198 Resp: 30637

Ion	Ratio	Lower	Upper
198	100		
51	48.3	23.9	63.9
105	48.9	24.3	64.3



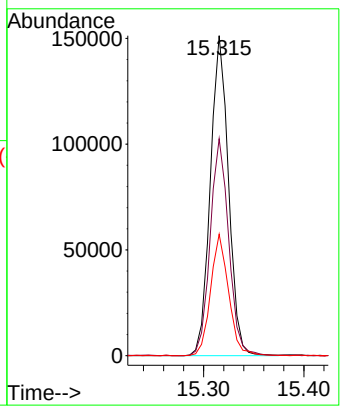


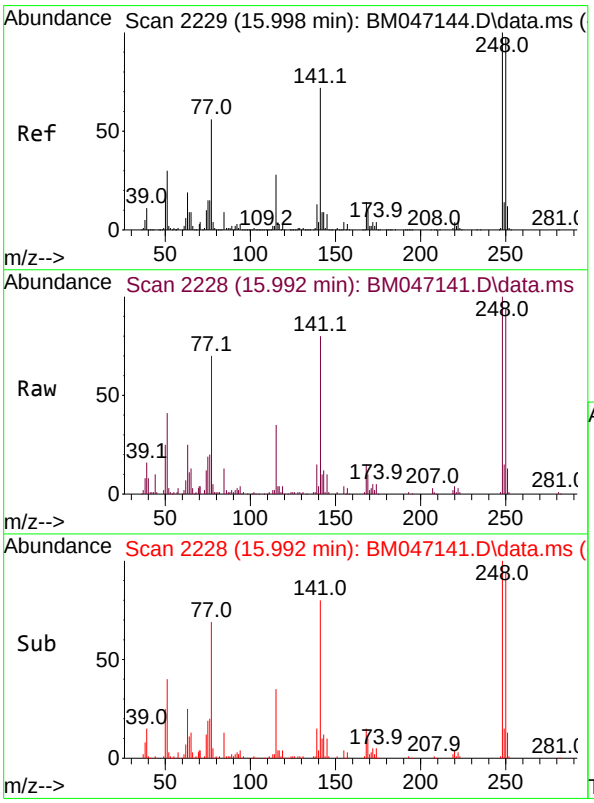
#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 15.315 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 190365

Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.8	80.8
167	38.0	29.3	43.9

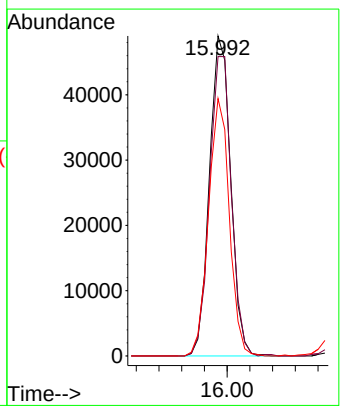


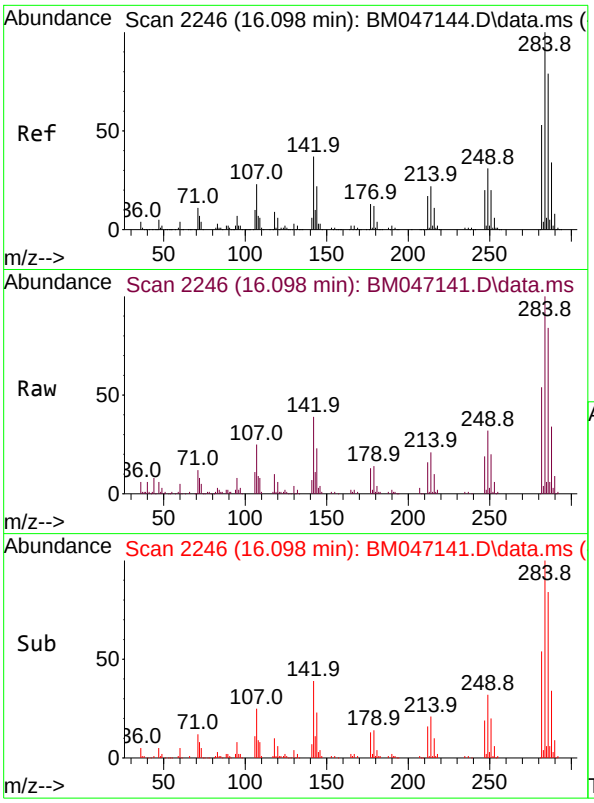


#67
4-Bromophenyl-phenylether
Concen: 4.937 ng
RT: 15.992 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:248 Resp: 63559

Ion	Ratio	Lower	Upper
248	100		
250	93.5	77.8	116.8
141	80.4	57.7	86.5



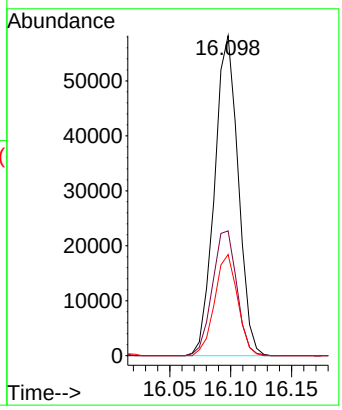


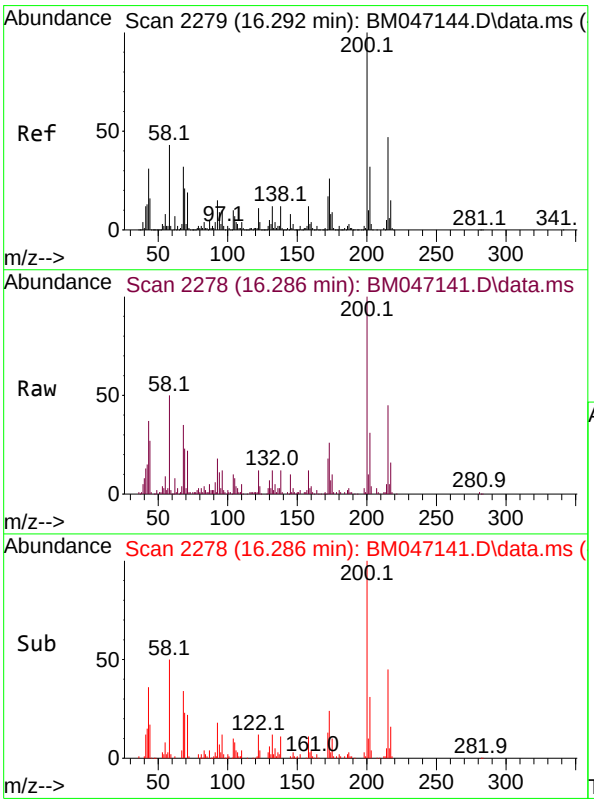
#68
Hexachlorobenzene
Concen: 5.114 ng
RT: 16.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 78852

Ion	Ratio	Lower	Upper
284	100		
142	39.0	29.4	44.0
249	31.6	25.1	37.7

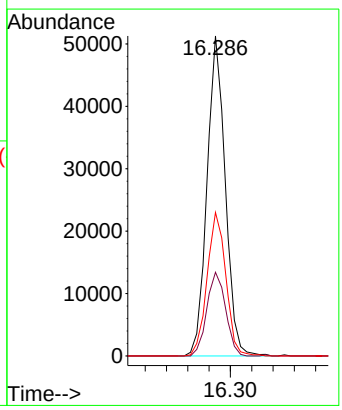


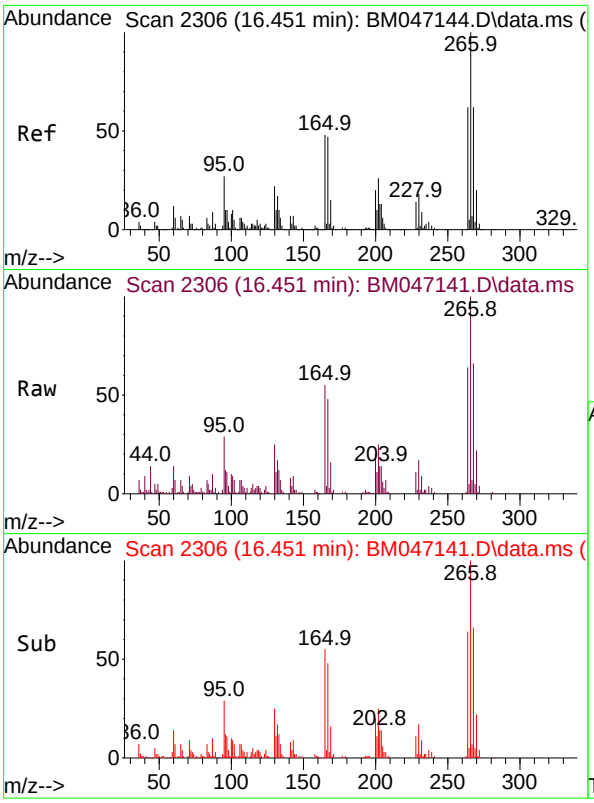


#69
Atrazine
Concen: 5.568 ng
RT: 16.286 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:200 Resp: 60979

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.1	46.1
215	44.9	26.8	66.8



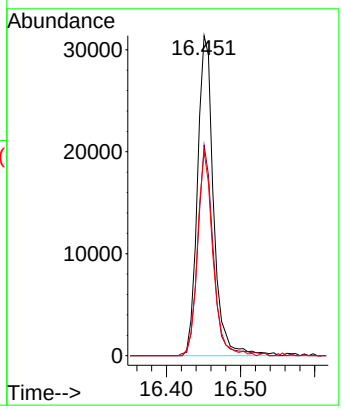


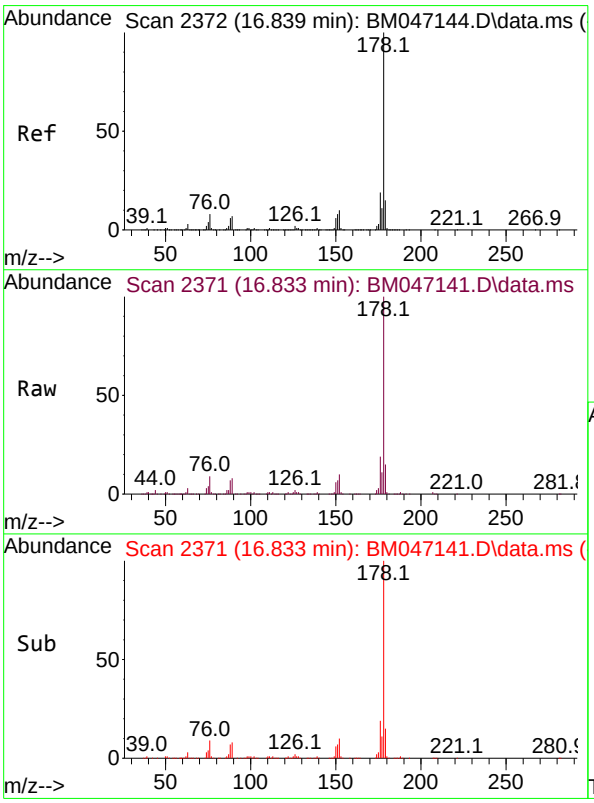
#70
Pentachlorophenol
Concen: 4.362 ng
RT: 16.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 47145

Ion	Ratio	Lower	Upper
266	100		
268	65.8	49.8	74.6
264	63.7	49.6	74.4

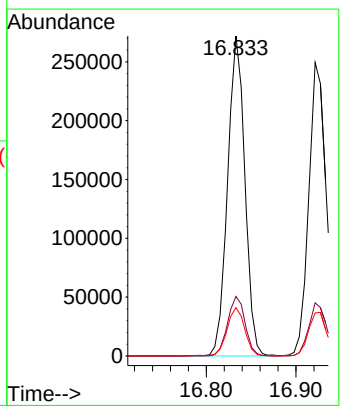


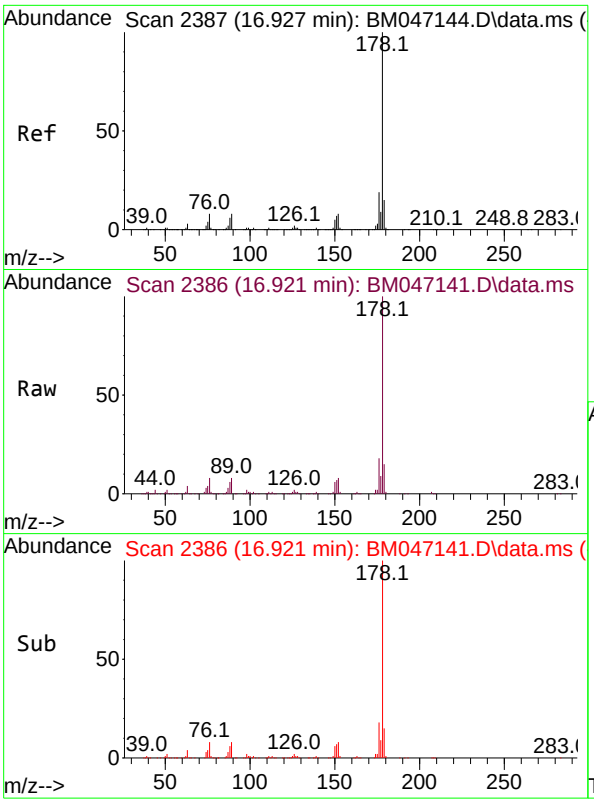


#71
Phenanthrene
Concen: 5.428 ng
RT: 16.833 min Scan# 2371
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:178 Resp: 363970

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.1	12.4	18.6



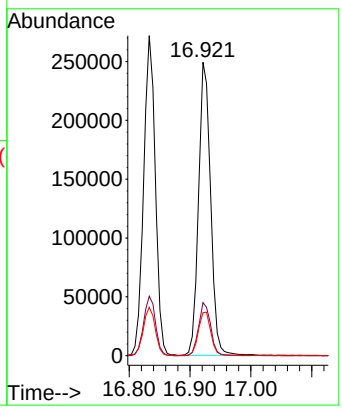


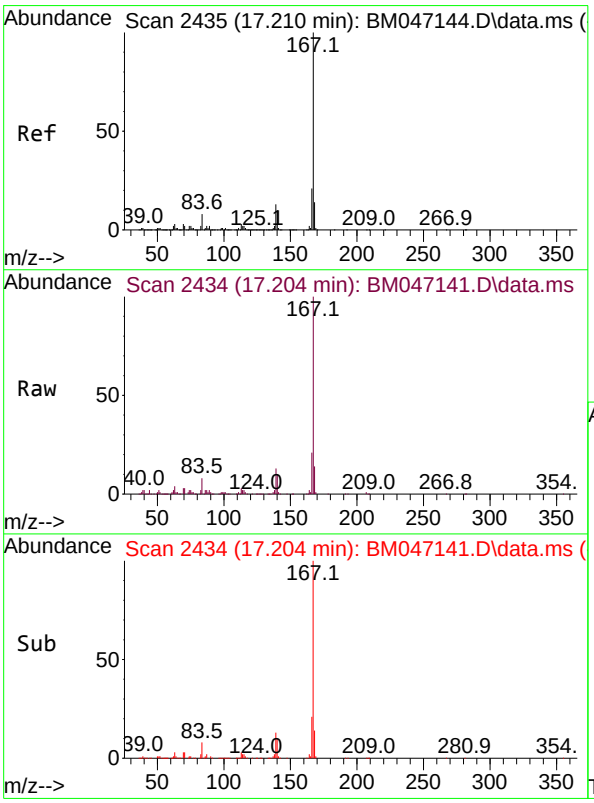
#72
Anthracene
Concen: 5.243 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 342081

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	14.7	12.4	18.6

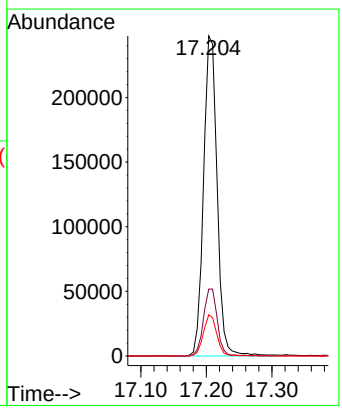


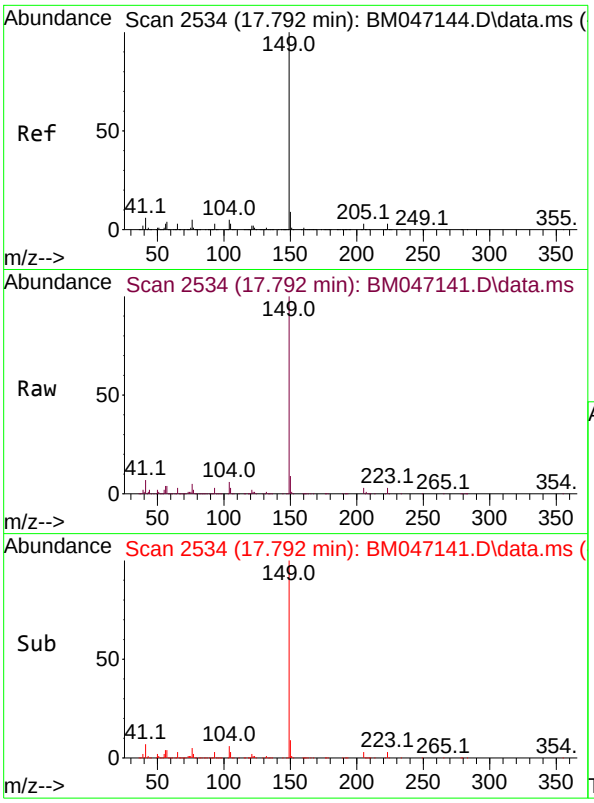


#73
Carbazole
Concen: 5.368 ng
RT: 17.204 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:167 Resp: 357631

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.1	25.7
139	12.9	10.0	15.0



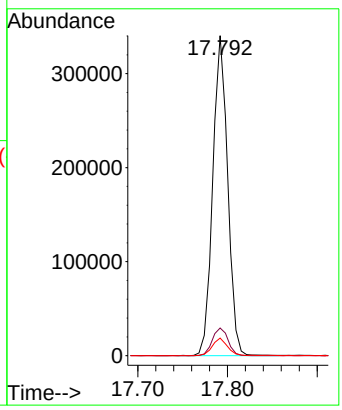


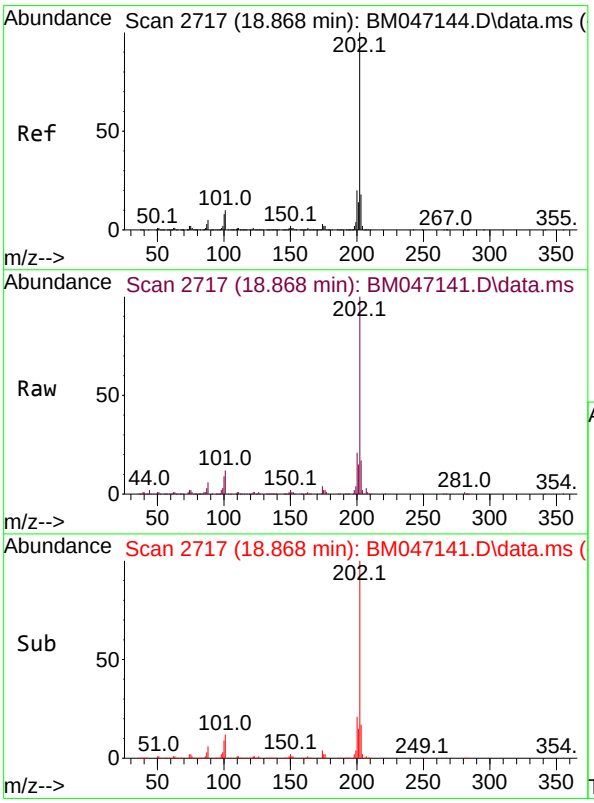
#74
Di-n-butylphthalate
Concen: 5.064 ng
RT: 17.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 392569

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.5	11.3
104	5.5	4.1	6.1

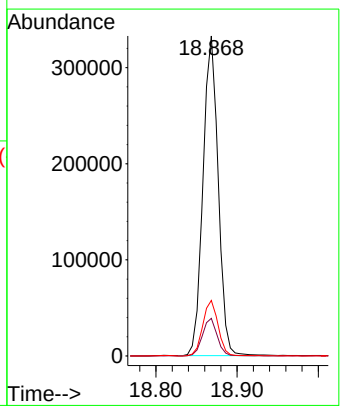


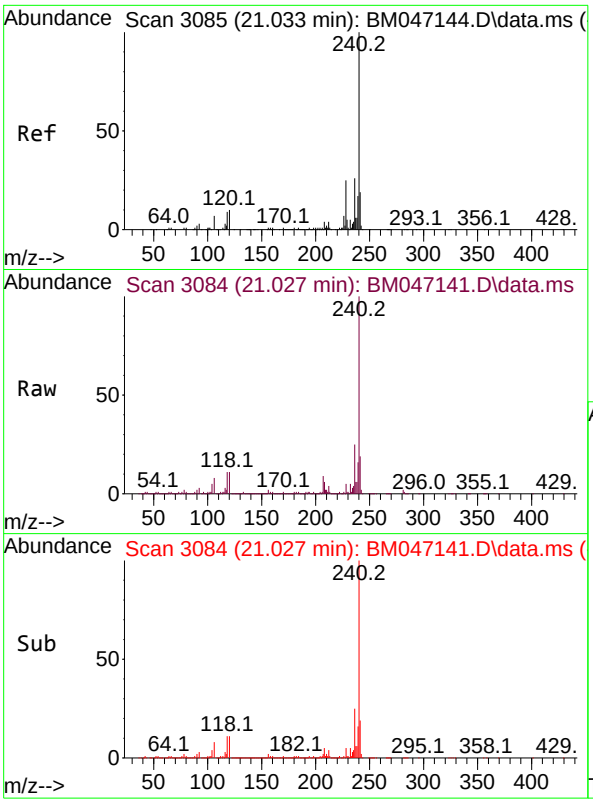


#75
Fluoranthene
Concen: 5.301 ng
RT: 18.868 min Scan# 2717
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:202 Resp: 432338

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.2
203	17.4	0.0	37.6



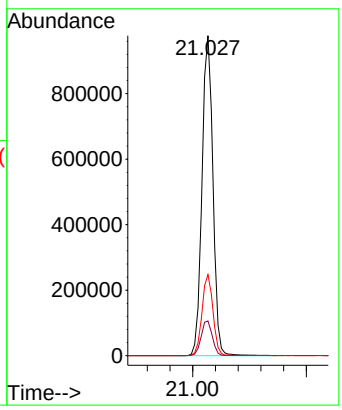


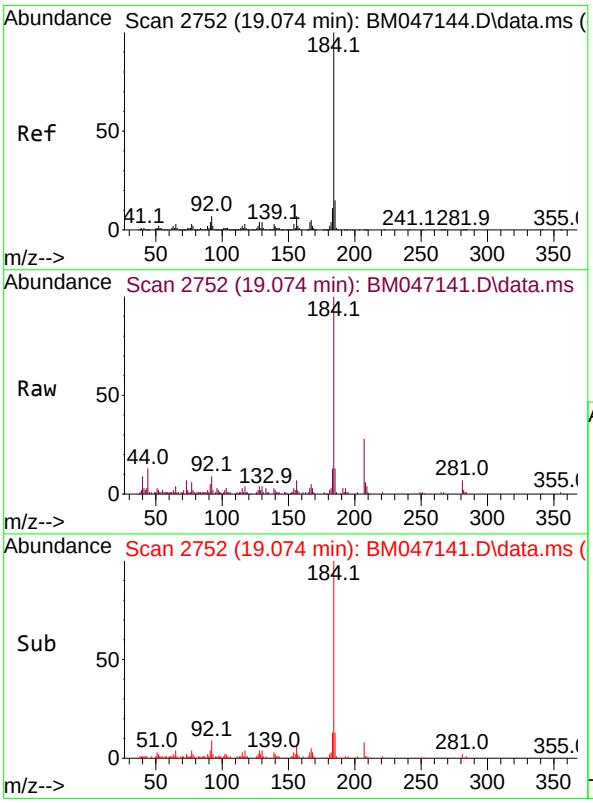
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1301329

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.2	12.2
236	25.4	20.6	30.8

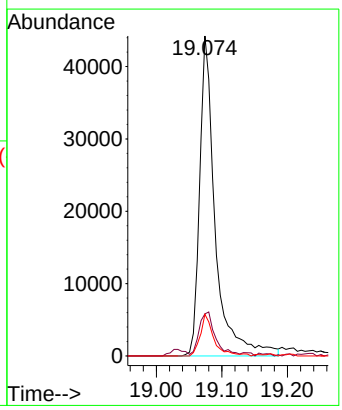


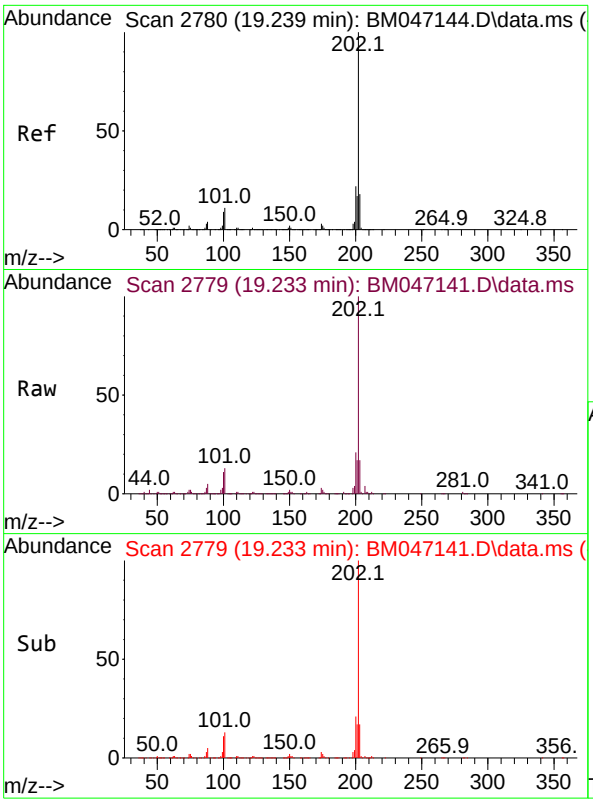


#77
Benzidine
Concen: 3.335 ng
RT: 19.074 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:184 Resp: 73589

Ion	Ratio	Lower	Upper
184	100		
185	13.2	11.8	17.6
183	13.0	9.0	13.6



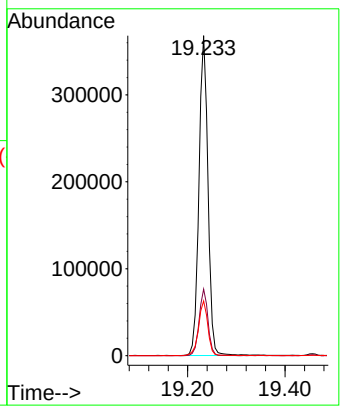


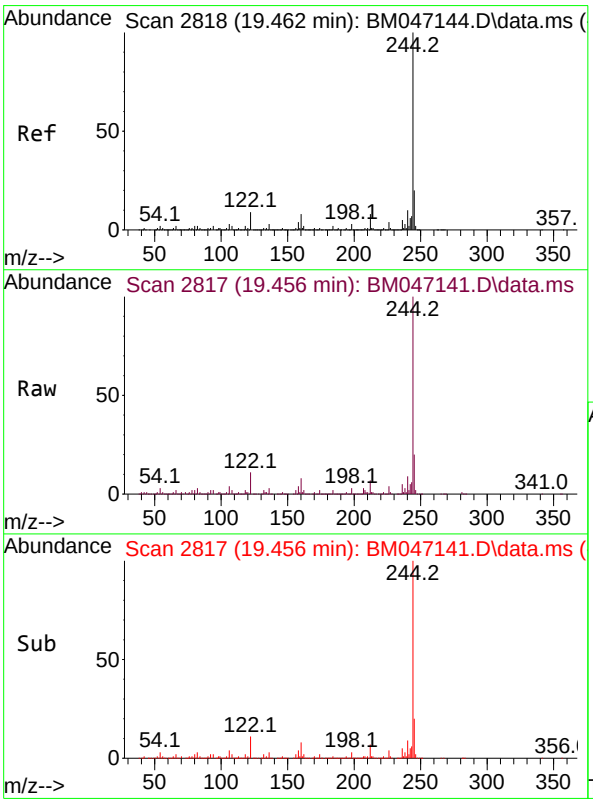
#78
Pyrene
Concen: 5.098 ng
RT: 19.233 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 473702

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.2	25.8
203	17.1	14.2	21.2

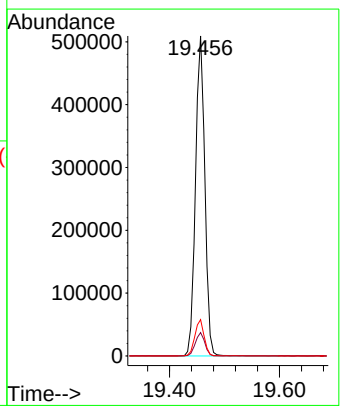


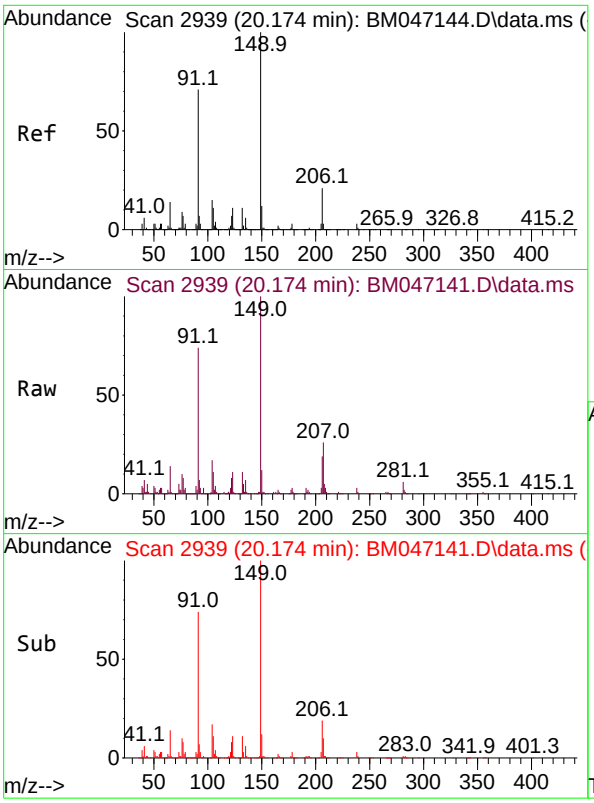


#79
Terphenyl-d14
Concen: 9.901 ng
RT: 19.456 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:244 Resp: 601320

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	11.3	7.1	10.7#



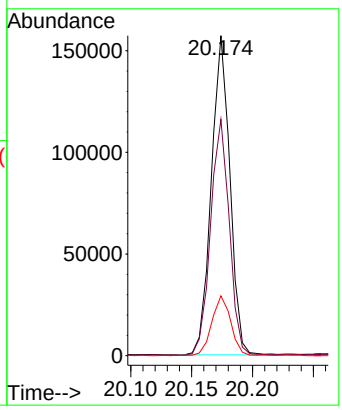


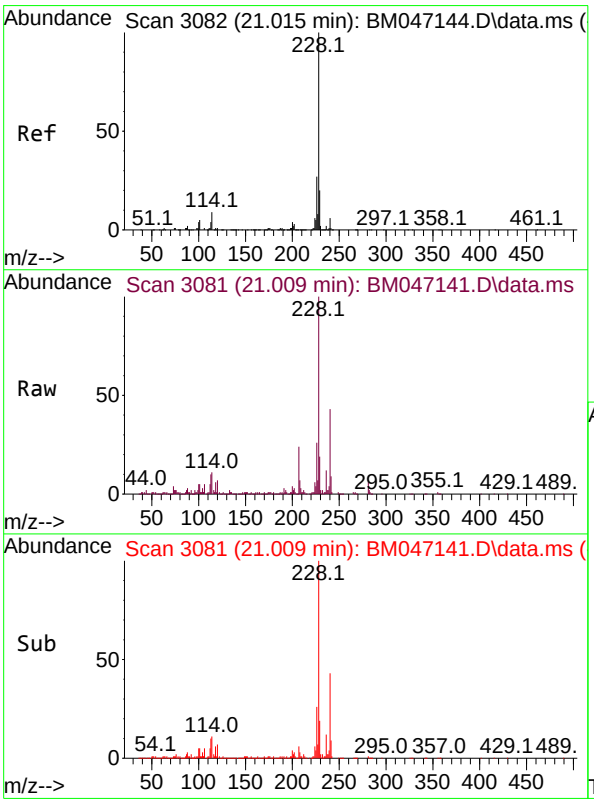
#80
Butylbenzylphthalate
Concen: 4.381 ng
RT: 20.174 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 166134

Ion	Ratio	Lower	Upper
149	100		
91	73.9	57.0	85.4
206	18.7	16.4	24.6

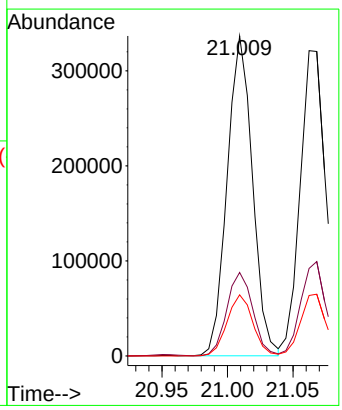


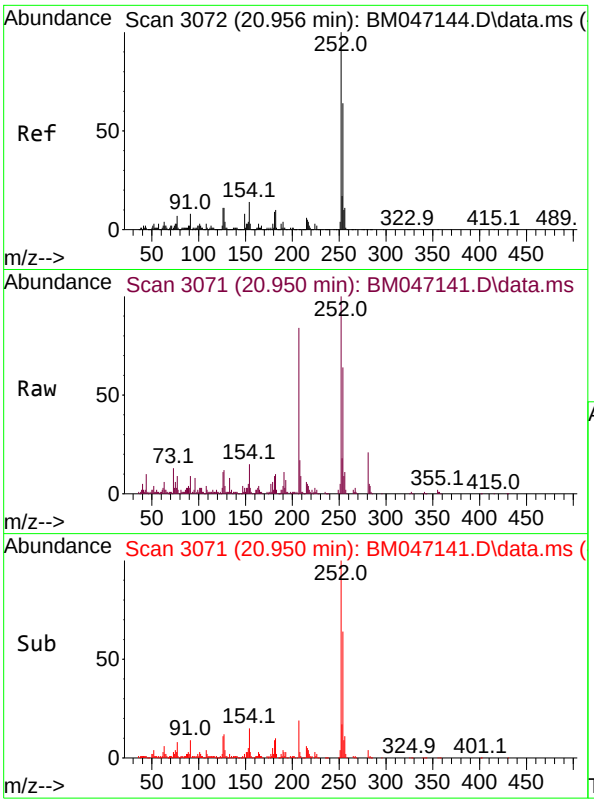


#81
Benzo(a)anthracene
Concen: 5.236 ng
RT: 21.009 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:228 Resp: 452360

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.6
229	19.1	15.8	23.8



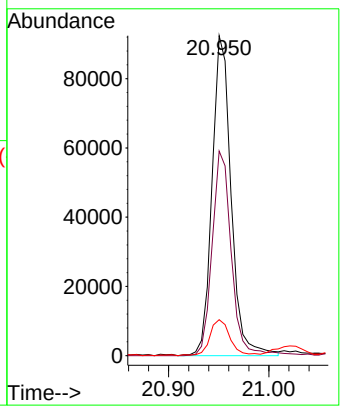


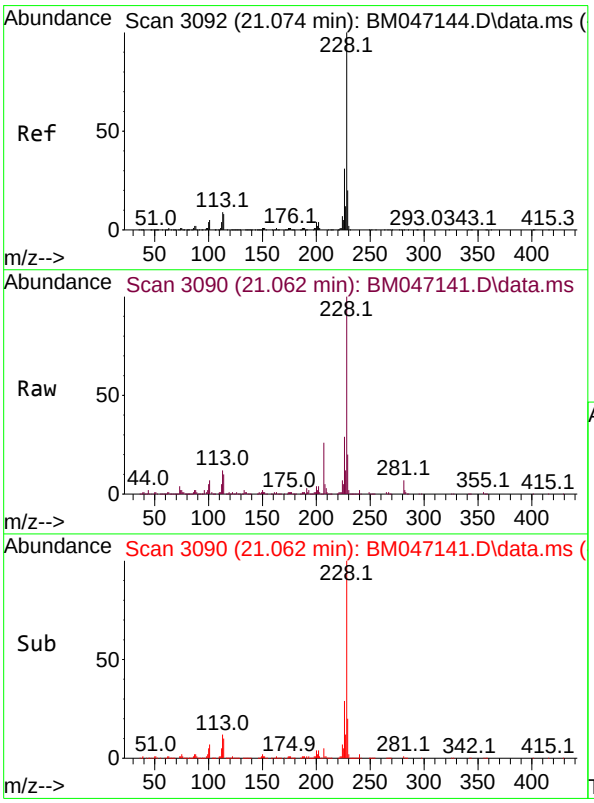
#82
3,3'-Dichlorobenzidine
Concen: 4.493 ng
RT: 20.950 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 121454

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.6
126	11.3	8.5	12.7

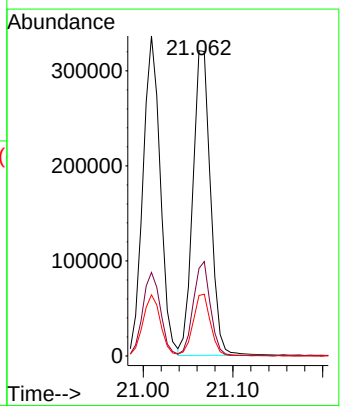


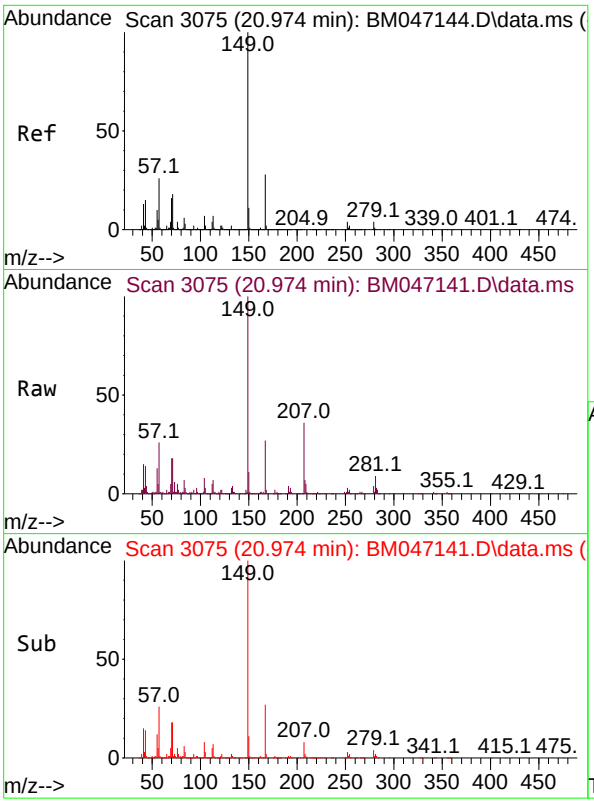


#83
Chrysene
Concen: 5.360 ng
RT: 21.062 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:228 Resp: 439298

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.4	36.6
229	19.8	15.7	23.5



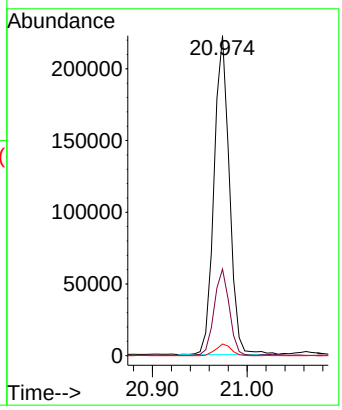


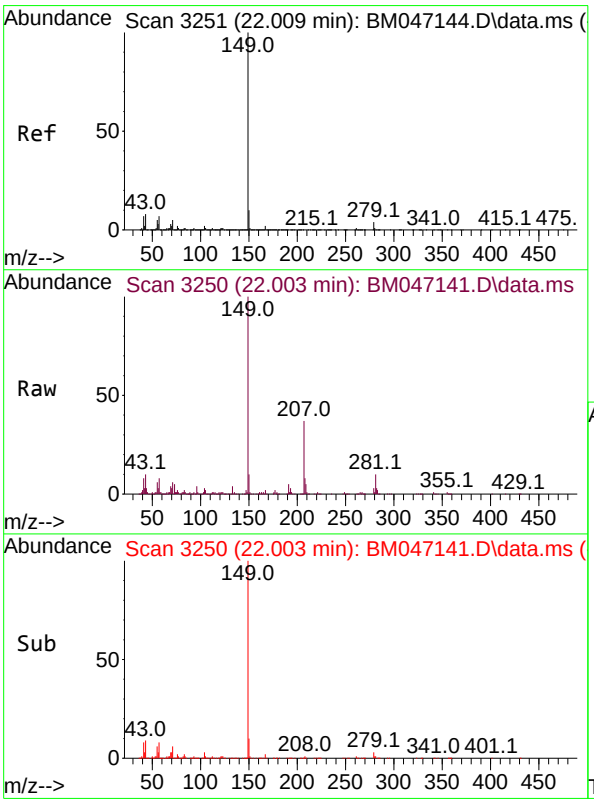
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.665 ng
RT: 20.974 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 250857

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.2
279	3.6	3.0	4.4

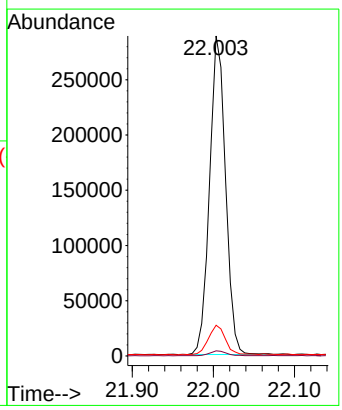


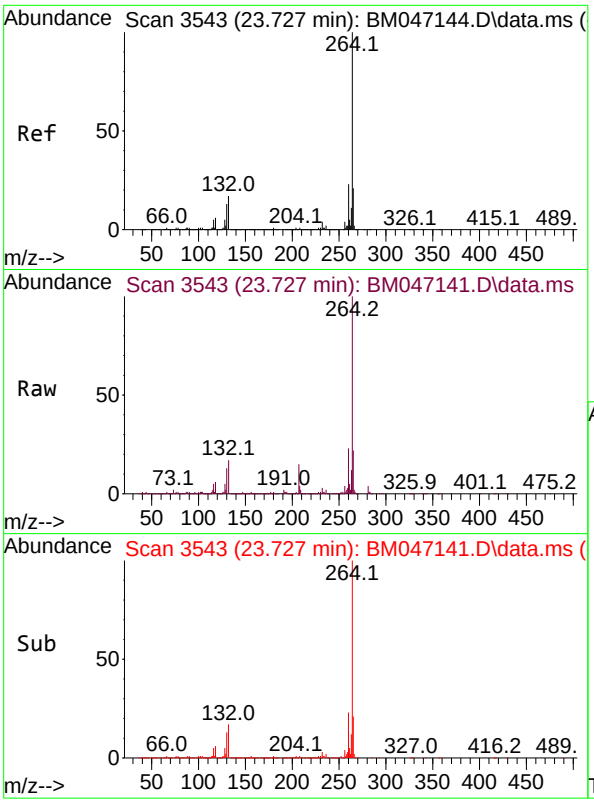


#85
Di-n-octyl phthalate
Concen: 4.315 ng
RT: 22.003 min Scan# 3250
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:149 Resp: 394399

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.7	6.9	10.3



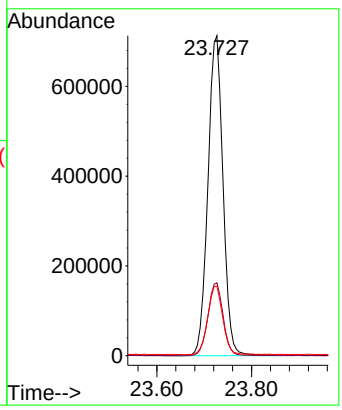


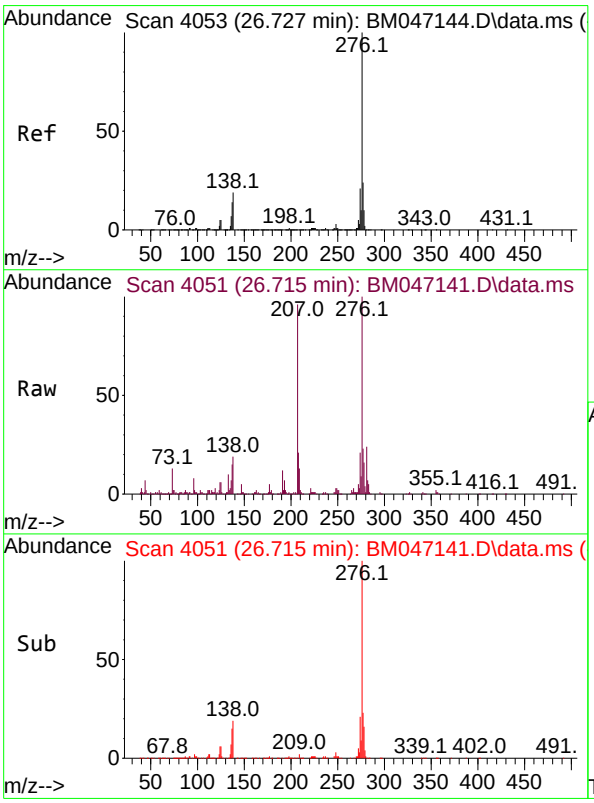
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 1576050

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.8	17.3	25.9

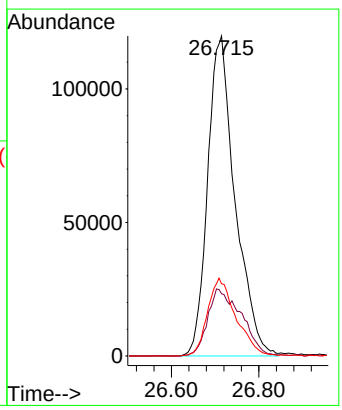


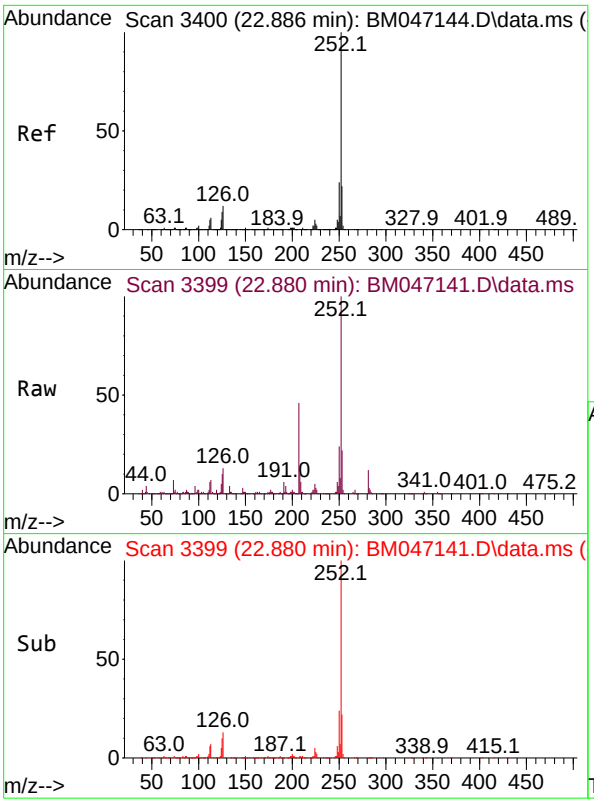


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.130 ng
RT: 26.715 min Scan# 4051
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:276 Resp: 522557

Ion	Ratio	Lower	Upper
276	100		
138	25.7	19.4	29.0
277	25.1	20.1	30.1



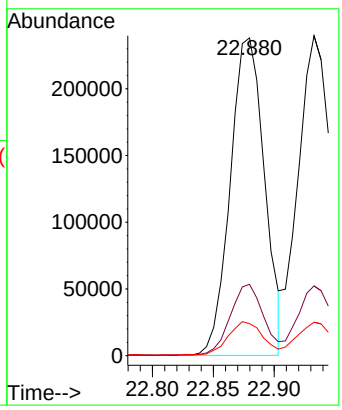


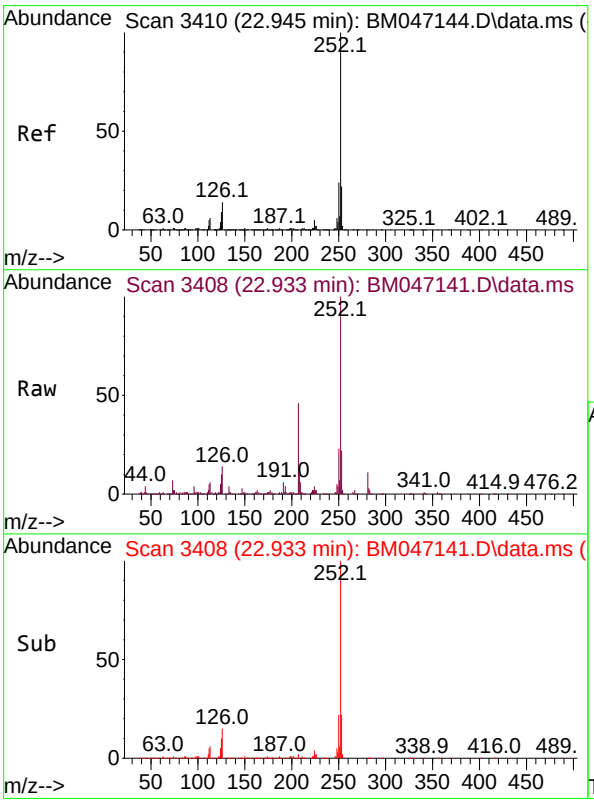
#88
Benzo(b)fluoranthene
Concen: 4.975 ng
RT: 22.880 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 465640

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	10.1	7.4	11.0

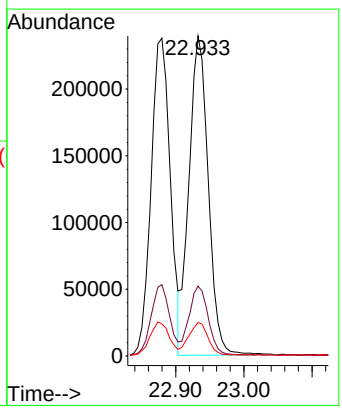


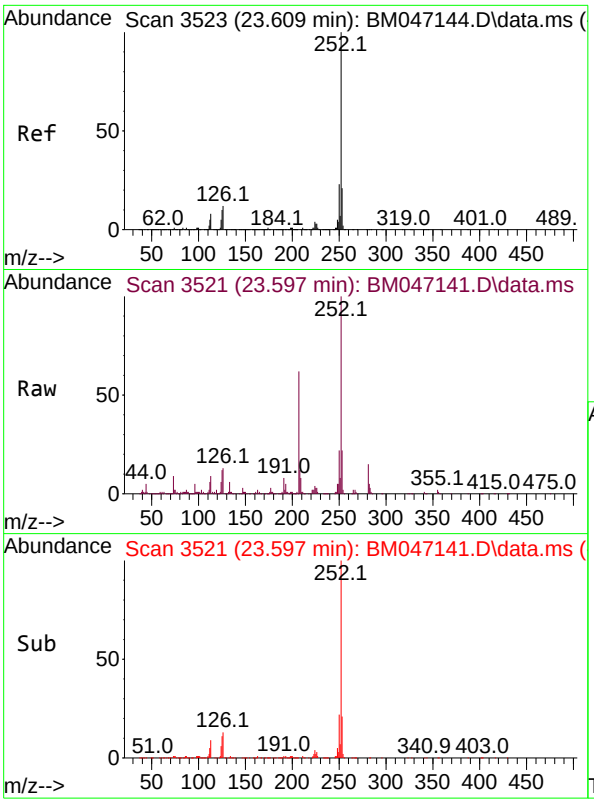


#89
Benzo(k)fluoranthene
Concen: 5.314 ng
RT: 22.933 min Scan# 3408
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:252 Resp: 469757

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.5	7.4	11.2



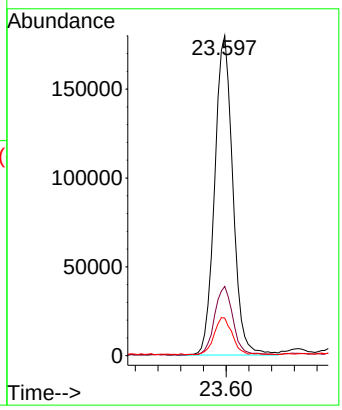


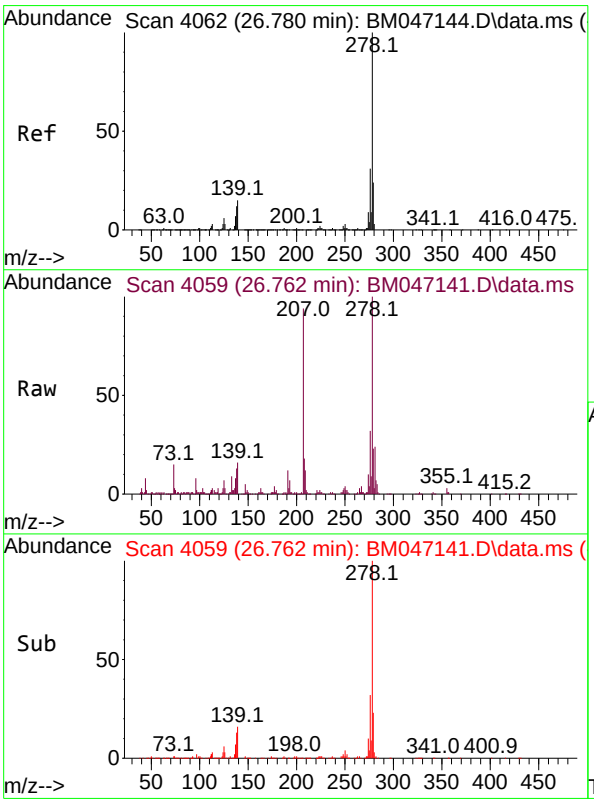
#90
Benzo(a)pyrene
Concen: 4.929 ng
RT: 23.597 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 399615

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	11.8	8.2	12.2

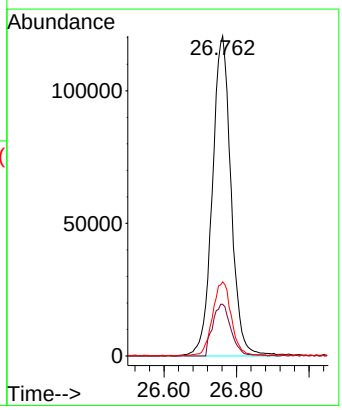


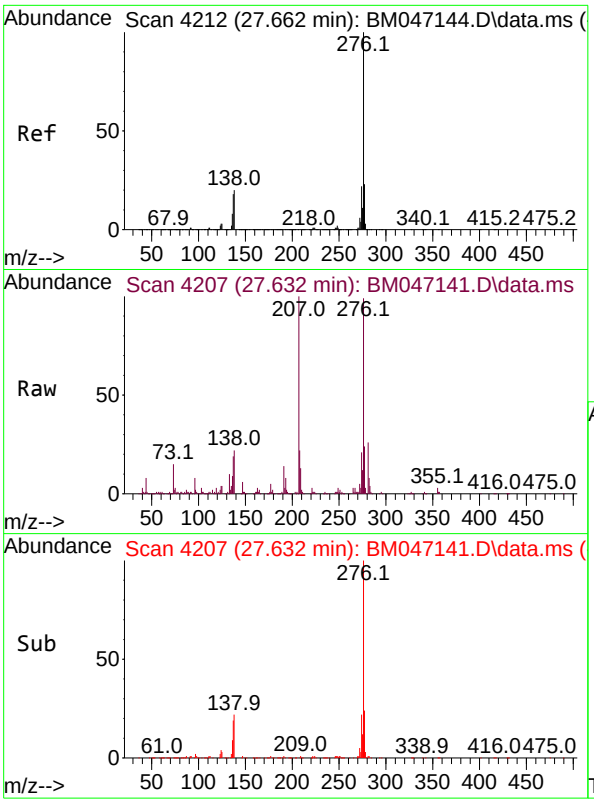


#91
Dibenzo(a,h)anthracene
Concen: 5.237 ng
RT: 26.762 min Scan# 4059
Delta R.T. -0.018 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:278 Resp: 431713

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.0	18.0
279	23.1	19.2	28.8



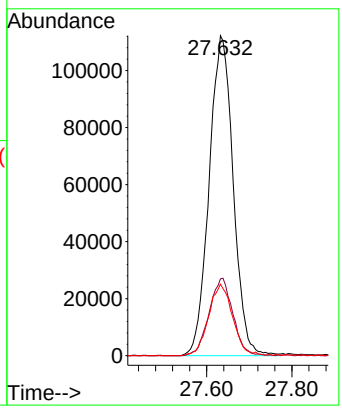


#92
Benzo(g,h,i)perylene
Concen: 5.151 ng
RT: 27.632 min Scan# 4
Delta R.T. -0.030 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 440920

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	22.4	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047142.D
Acq On : 10 Aug 2024 14:31
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Aug 11 23:32:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	292955	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1186627	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	788651	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1690400	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1593166	20.000	ng		0.00
86) Perylene-d12	23.727	264	1901592	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	346900	21.159	ng		0.00
7) Phenol-d6	6.581	99	468308	20.730	ng		0.00
23) Nitrobenzene-d5	8.522	82	494443	20.981	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	183466	20.063	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	1057713	20.688	ng		0.00
79) Terphenyl-d14	19.456	244	1459931	19.636	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.040	88	71740	10.561	ng		99
3) Pyridine	3.416	79	203646	10.230	ng		97
4) n-Nitrosodimethylamine	3.334	42	89658	10.302	ng	#	99
6) Aniline	6.722	93	222003	10.397	ng		99
8) 2-Chlorophenol	6.951	128	186177	10.412	ng		98
9) Benzaldehyde	6.540	77	153438	9.573	ng		99
10) Phenol	6.604	94	234318	10.395	ng		99
11) bis(2-Chloroethyl)ether	6.822	93	199316	10.325	ng		99
12) 1,3-Dichlorobenzene	7.263	146	220661	10.384	ng		99
13) 1,4-Dichlorobenzene	7.410	146	224423	10.431	ng		99
14) 1,2-Dichlorobenzene	7.716	146	215097	10.596	ng		98
15) Benzyl Alcohol	7.628	79	157264	9.781	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.910	45	260329	10.497	ng		98
17) 2-Methylphenol	7.834	107	154501	10.274	ng		99
18) Hexachloroethane	8.428	117	84578	10.149	ng		97
19) n-Nitroso-di-n-propyla...	8.181	70	160456	10.544	ng		97
20) 3+4-Methylphenols	8.157	107	211260	10.048	ng		98
22) Acetophenone	8.192	105	306786	10.711	ng		98
24) Nitrobenzene	8.563	77	253056	10.664	ng		99
25) Isophorone	9.086	82	418965	10.211	ng		100
26) 2-Nitrophenol	9.263	139	98575	9.380	ng		98
27) 2,4-Dimethylphenol	9.345	122	123790	10.056	ng		99
28) bis(2-Chloroethoxy)met...	9.575	93	273307	10.586	ng		99
29) 2,4-Dichlorophenol	9.792	162	178052	9.748	ng		99
30) 1,2,4-Trichlorobenzene	9.998	180	208733	10.098	ng		98
31) Naphthalene	10.181	128	617578	10.447	ng		99
32) Benzoic acid	9.457	122	125871	8.752	ng		96
33) 4-Chloroaniline	10.304	127	233198	10.258	ng		98
34) Hexachlorobutadiene	10.469	225	118512	9.795	ng		99
35) Caprolactam	11.086	113	61384	9.677	ng		98
36) 4-Chloro-3-methylphenol	11.451	107	192243	9.883	ng		94
37) 2-Methylnaphthalene	11.804	142	433416	10.298	ng		99
38) 1-Methylnaphthalene	12.027	142	430690	10.354	ng		100
40) 1,2,4,5-Tetrachloroben...	12.186	216	209468	9.738	ng		99
41) Hexachlorocyclopentadiene	12.163	237	70782	9.423	ng		96
43) 2,4,6-Trichlorophenol	12.445	196	146662	9.593	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047142.D
Acq On : 10 Aug 2024 14:31
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Aug 11 23:32:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	161605	9.520	ng	98
46) 1,1'-Biphenyl	12.851	154	584326	10.407	ng	99
47) 2-Chloronaphthalene	12.886	162	460927	10.503	ng	99
48) 2-Nitroaniline	13.110	65	136444	9.925	ng	95
49) Acenaphthylene	13.745	152	669998	10.358	ng	100
50) Dimethylphthalate	13.510	163	565056	10.259	ng	100
51) 2,6-Dinitrotoluene	13.621	165	128162	9.954	ng	95
52) Acenaphthene	14.098	154	425366	10.367	ng	98
53) 3-Nitroaniline	13.957	138	124808	9.674	ng	96
54) 2,4-Dinitrophenol	14.174	184	60036	7.780	ng	96
55) Dibenzofuran	14.439	168	682447	10.530	ng	99
56) 4-Nitrophenol	14.292	139	105813	9.511	ng	94
57) 2,4-Dinitrotoluene	14.421	165	171542	9.982	ng	92
58) Fluorene	15.092	166	562937	10.527	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	135880	9.739	ng	96
60) Diethylphthalate	14.892	149	586005	10.418	ng	98
61) 4-Chlorophenyl-phenyle...	15.098	204	261449	10.269	ng	98
62) 4-Nitroaniline	15.127	138	127938m	10.065	ng	
63) Azobenzene	15.392	77	569823	10.685	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	90017	9.095	ng	95
66) n-Nitrosodiphenylamine	15.315	169	473749	10.289	ng	98
67) 4-Bromophenyl-phenylether	15.992	248	160370	9.845	ng	95
68) Hexachlorobenzene	16.098	284	198141	10.157	ng	97
69) Atrazine	16.286	200	157170	11.344	ng	98
70) Pentachlorophenol	16.451	266	128691	9.411	ng	99
71) Phenanthrene	16.833	178	874873	10.313	ng	99
72) Anthracene	16.927	178	845520	10.243	ng	99
73) Carbazole	17.204	167	879612	10.437	ng	99
74) Di-n-butylphthalate	17.792	149	1003294	10.231	ng	100
75) Fluoranthene	18.868	202	1047590	10.152	ng	99
77) Benzidine	19.074	184	151348	5.602	ng	100
78) Pyrene	19.233	202	1113925	9.792	ng	99
80) Butylbenzylphthalate	20.174	149	439513	9.467	ng	99
81) Benzo(a)anthracene	21.009	228	1060395	10.026	ng	100
82) 3,3'-Dichlorobenzidine	20.950	252	311004	9.398	ng	99
83) Chrysene	21.068	228	1022315	10.188	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	643719	9.777	ng	100
85) Di-n-octyl phthalate	22.003	149	1048294	9.368	ng	98
87) Indeno(1,2,3-cd)pyrene	26.715	276	1216673	9.899	ng	99
88) Benzo(b)fluoranthene	22.880	252	1140578	10.100	ng	98
89) Benzo(k)fluoranthene	22.933	252	1078126	10.108	ng	99
90) Benzo(a)pyrene	23.597	252	965036	9.865	ng	99
91) Dibenzo(a,h)anthracene	26.756	278	999745	10.051	ng	99
92) Benzo(g,h,i)perylene	27.644	276	1029079	9.964	ng	99

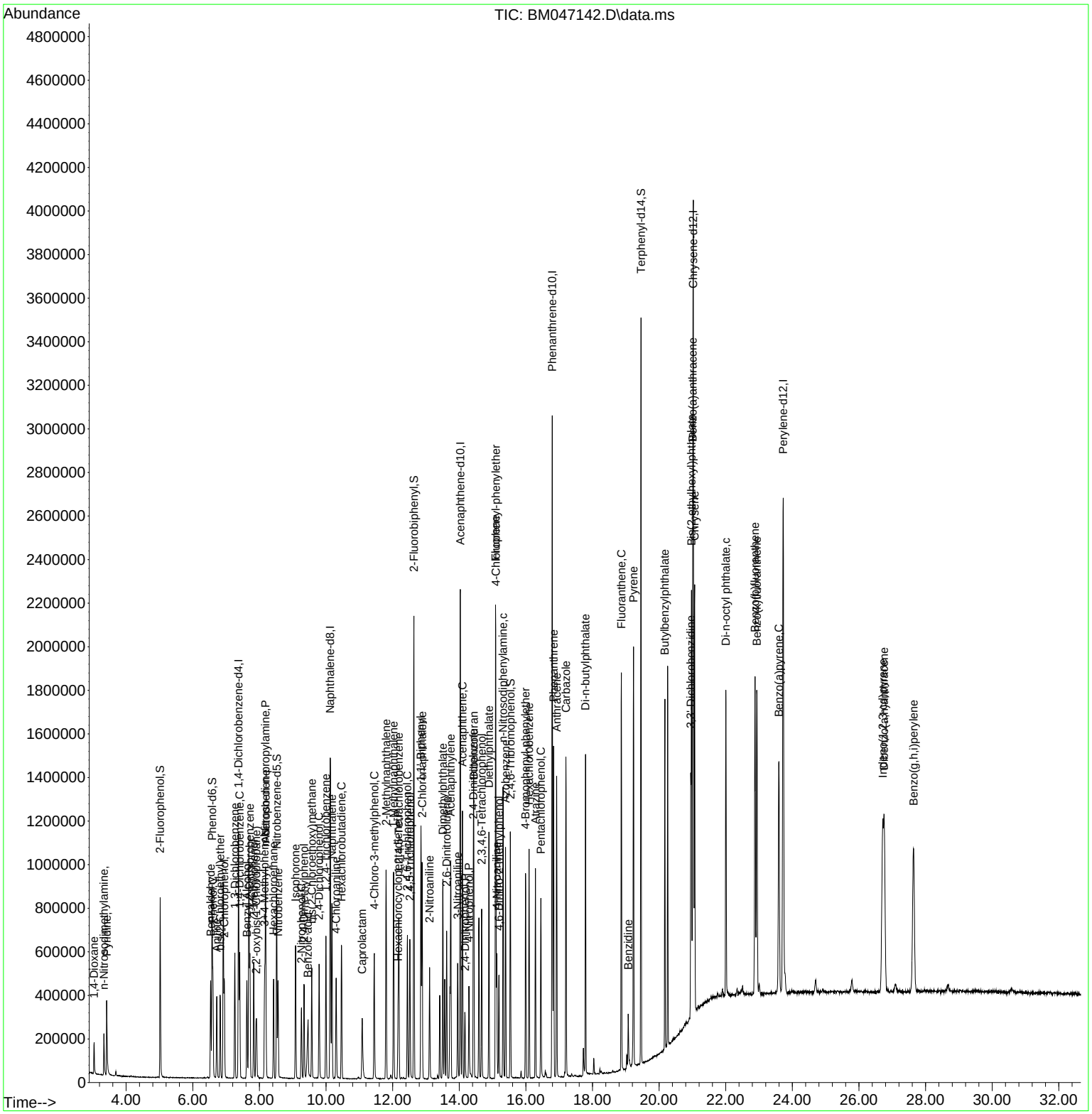
(#) = qualifier out of range (m) = manual integration (+) = signals summed

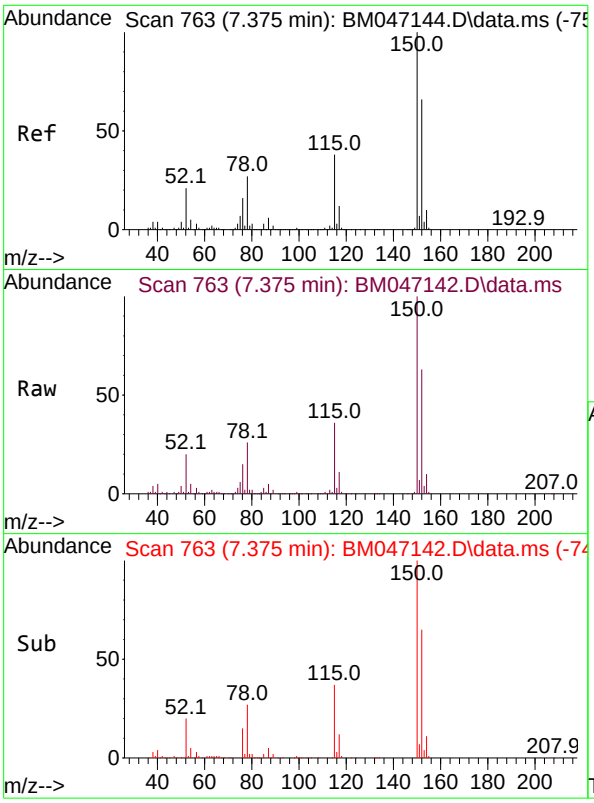
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047142.D
Acq On : 10 Aug 2024 14:31
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Aug 11 23:32:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



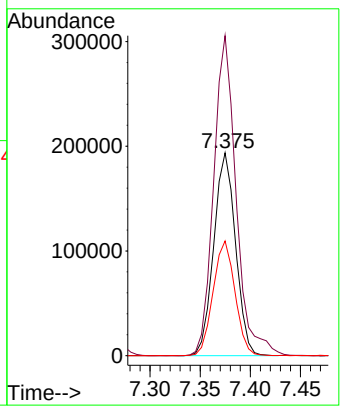


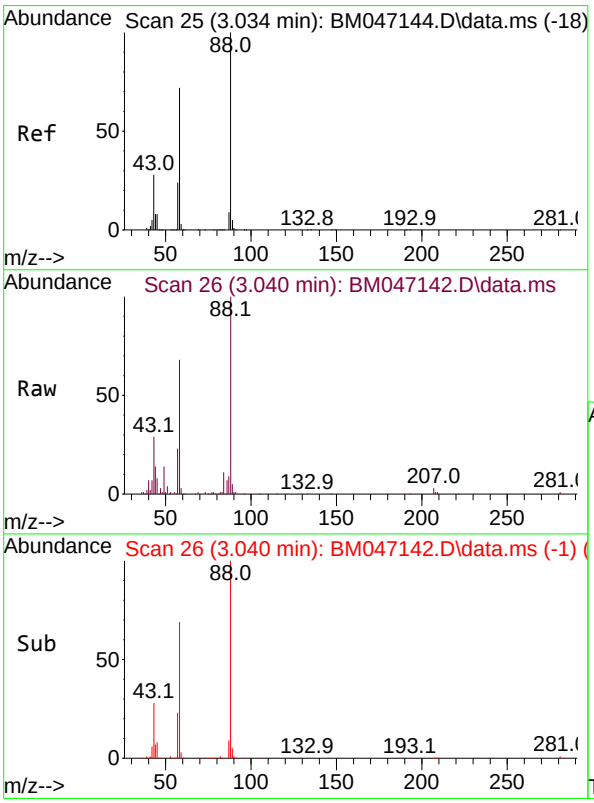
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 292955

Ion	Ratio	Lower	Upper
152	100		
150	157.7	120.5	180.7
115	56.5	45.5	68.3

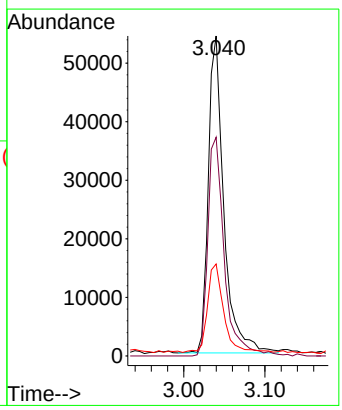


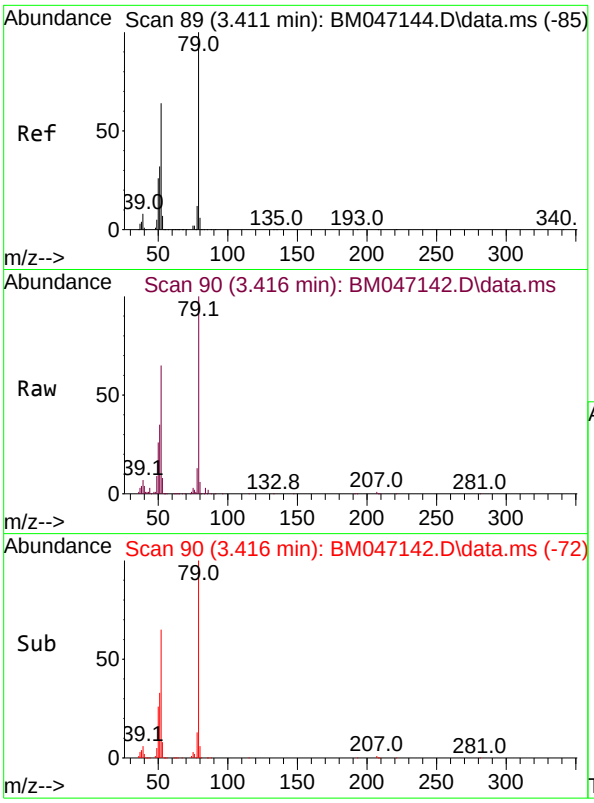


#2
1,4-Dioxane
Concen: 10.561 ng
RT: 3.040 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 88 Resp: 71740

Ion	Ratio	Lower	Upper
88	100		
58	73.3	58.2	87.4
43	28.9	22.5	33.7



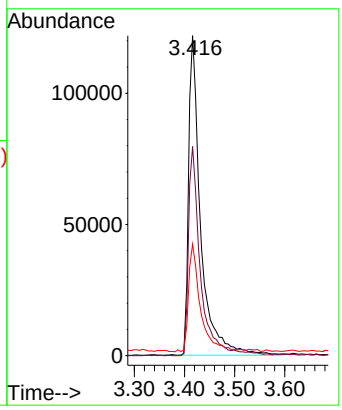


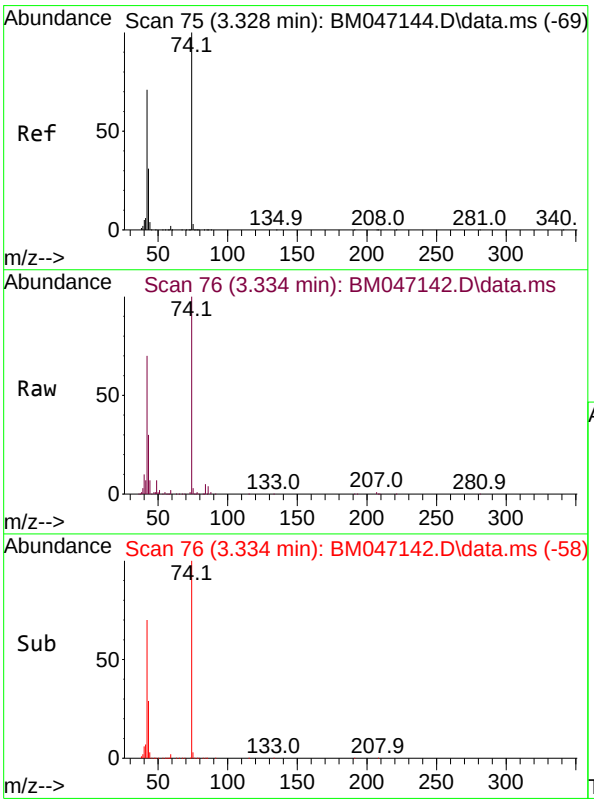
#3
Pyridine
Concen: 10.230 ng
RT: 3.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 203646

Ion	Ratio	Lower	Upper
79	100		
52	65.3	51.2	76.8
51	34.9	26.1	39.1

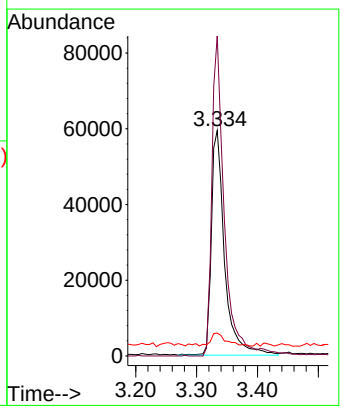


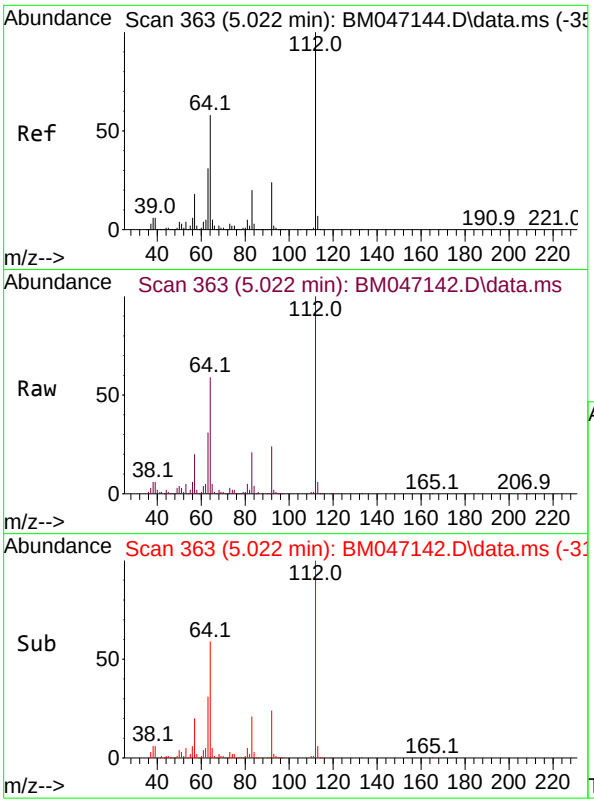


#4
n-Nitrosodimethylamine
Concen: 10.302 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 42 Resp: 89658

Ion	Ratio	Lower	Upper
42	100		
74	141.9	112.9	169.3
44	10.2	5.3	7.9#



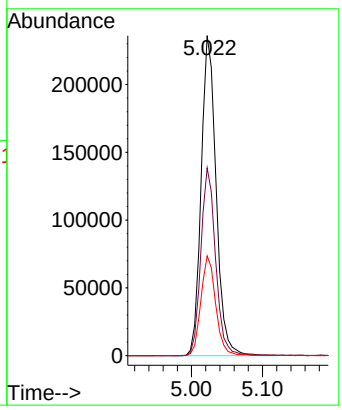


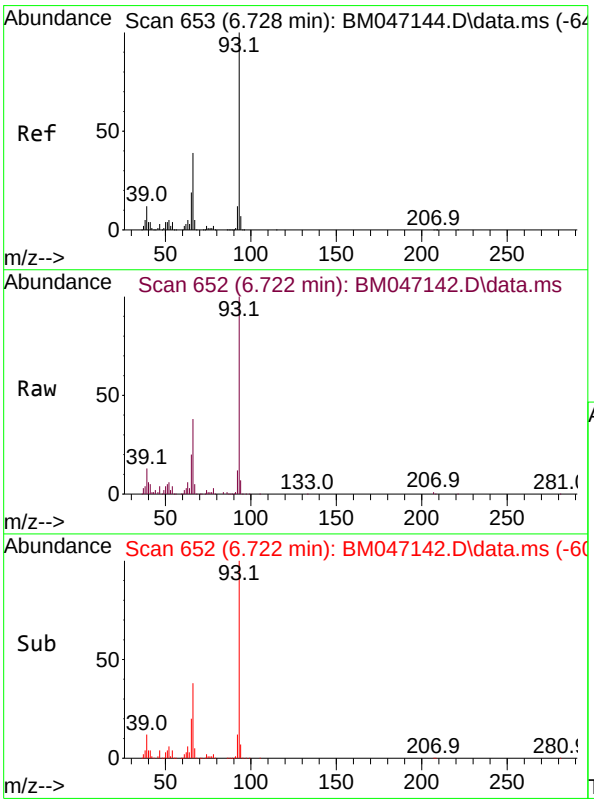
#5
2-Fluorophenol
Concen: 21.159 ng
RT: 5.022 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 346900

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.7	70.1
63	31.2	24.8	37.2

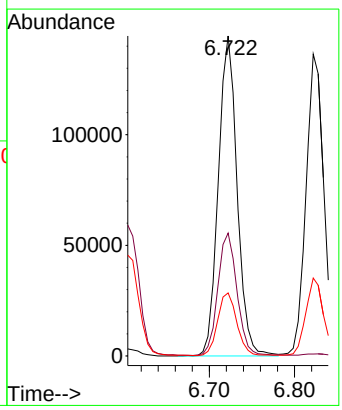


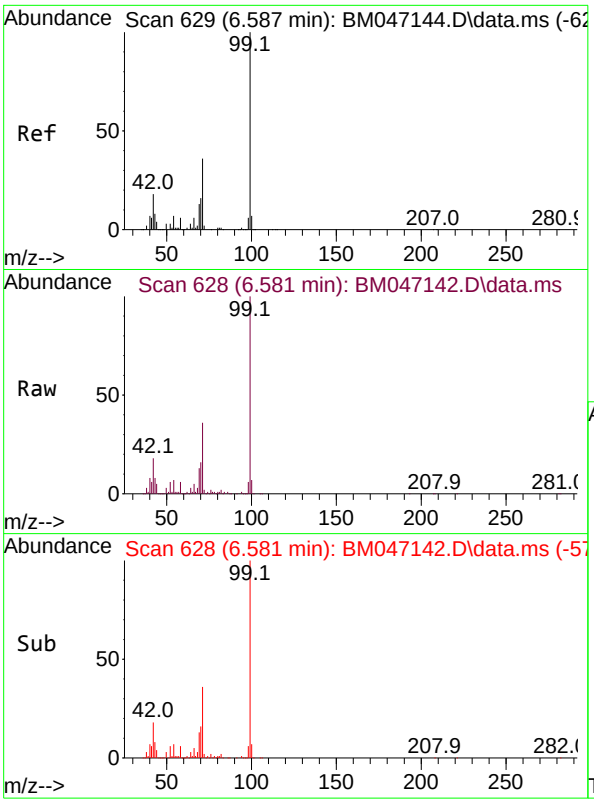


#6
Aniline
Concen: 10.397 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 93 Resp: 222003

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.4	47.2
65	19.7	15.6	23.4



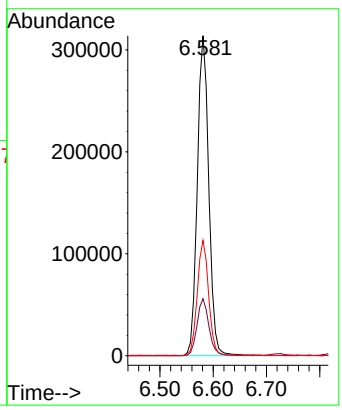


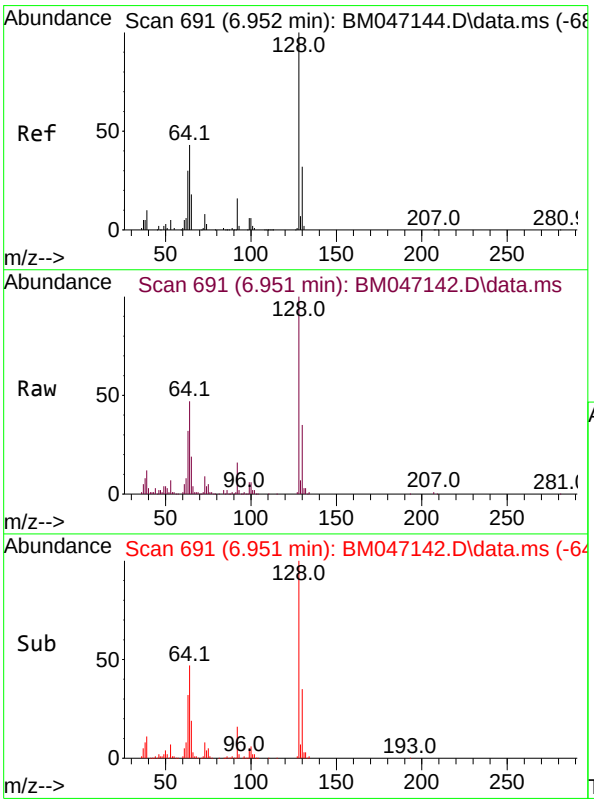
#7
Phenol-d6
Concen: 20.730 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 468308

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.1	21.1
71	36.0	28.5	42.7

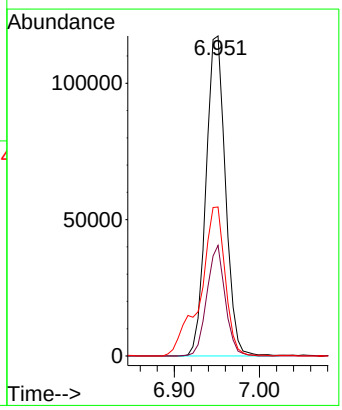


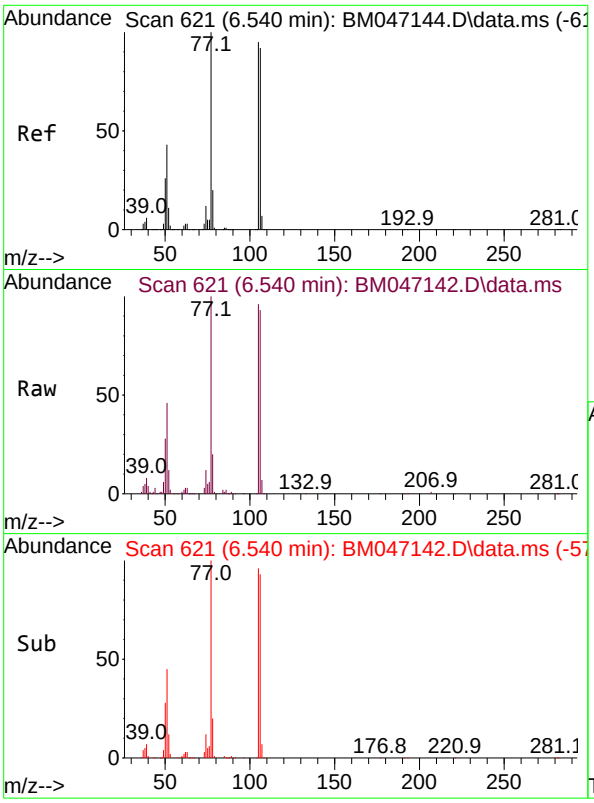


#8
2-Chlorophenol
Concen: 10.412 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:128 Resp: 186177

Ion	Ratio	Lower	Upper
128	100		
130	34.6	12.1	52.1
64	46.6	26.6	66.6



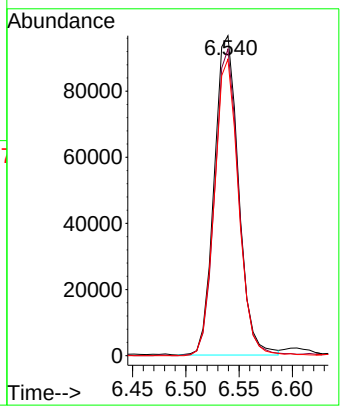


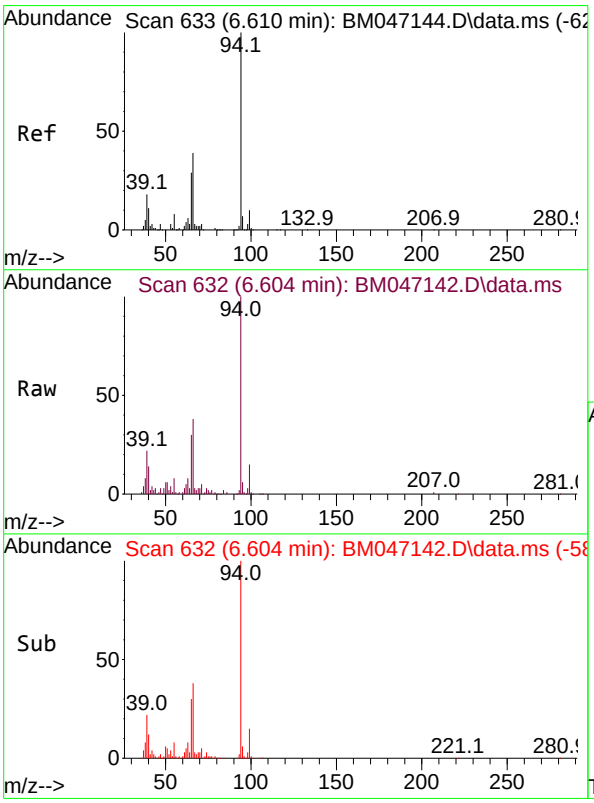
#9
Benzaldehyde
Concen: 9.573 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 153438

Ion	Ratio	Lower	Upper
77	100		
105	95.8	74.5	114.5
106	92.7	72.3	112.3

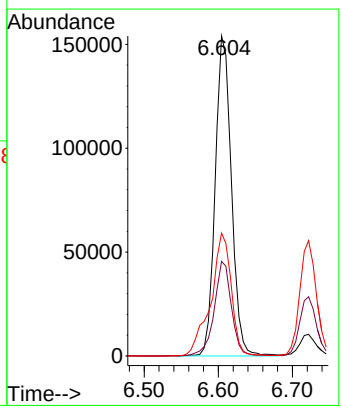


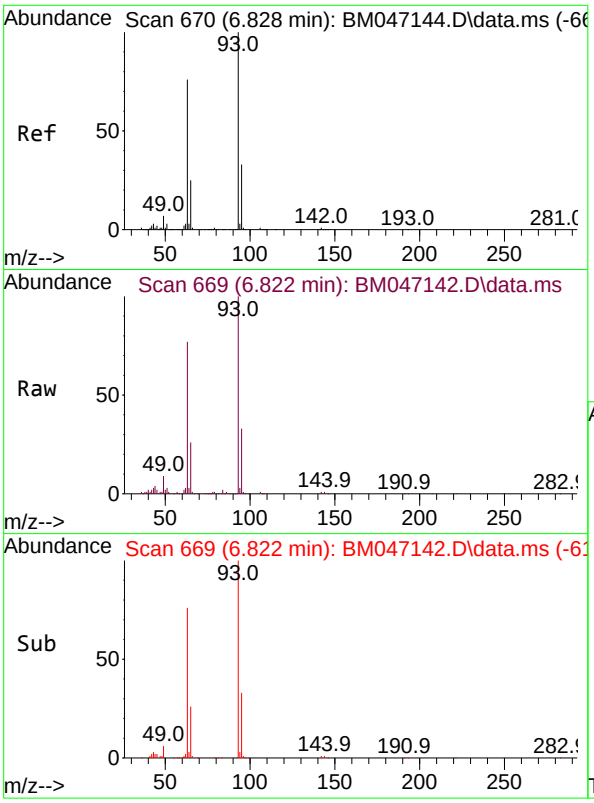


#10
Phenol
Concen: 10.395 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 94 Resp: 234318

Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.0	49.0
66	38.4	18.9	58.9



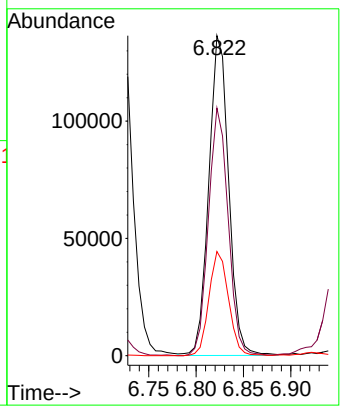


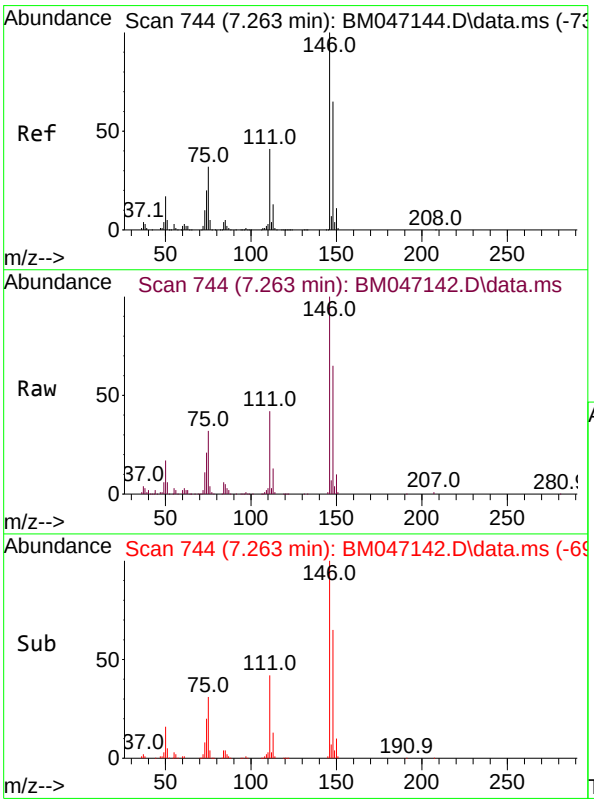
#11
bis(2-Chloroethyl)ether
Concen: 10.325 ng
RT: 6.822 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 199316

Ion	Ratio	Lower	Upper
93	100		
63	77.4	55.8	95.8
95	32.6	12.7	52.7

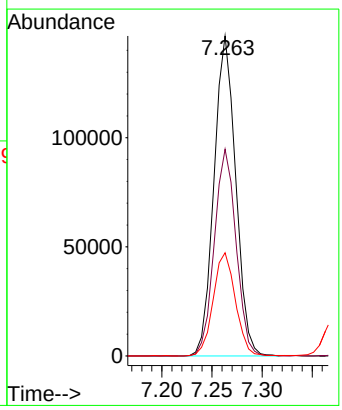


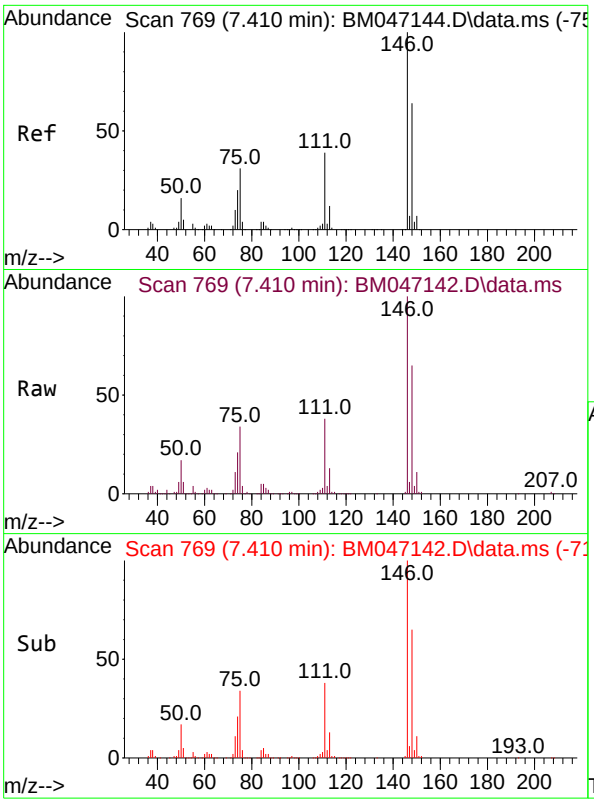


#12
1,3-Dichlorobenzene
Concen: 10.384 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:146 Resp: 220661

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.3	78.5
75	32.3	25.8	38.6



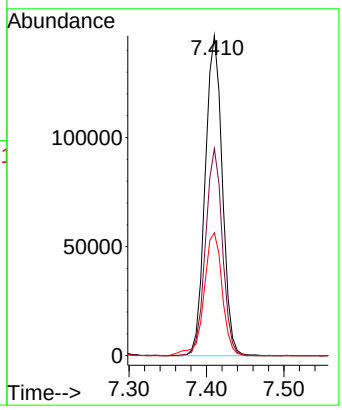


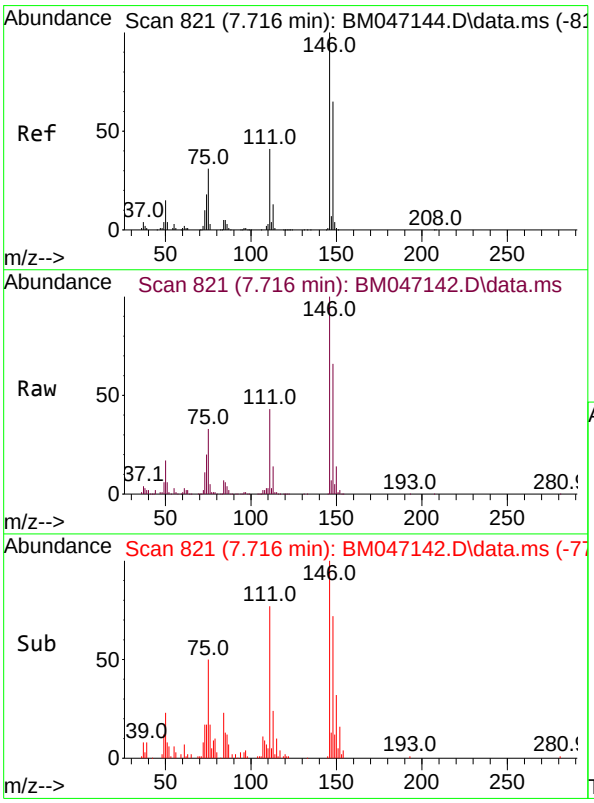
#13
1,4-Dichlorobenzene
Concen: 10.431 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 224423

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	38.4	31.5	47.3

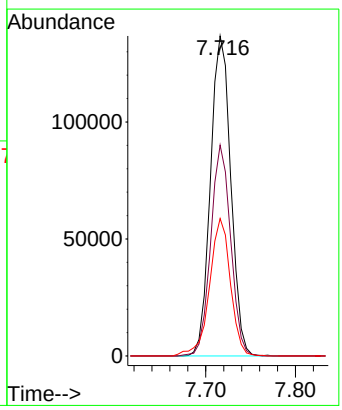


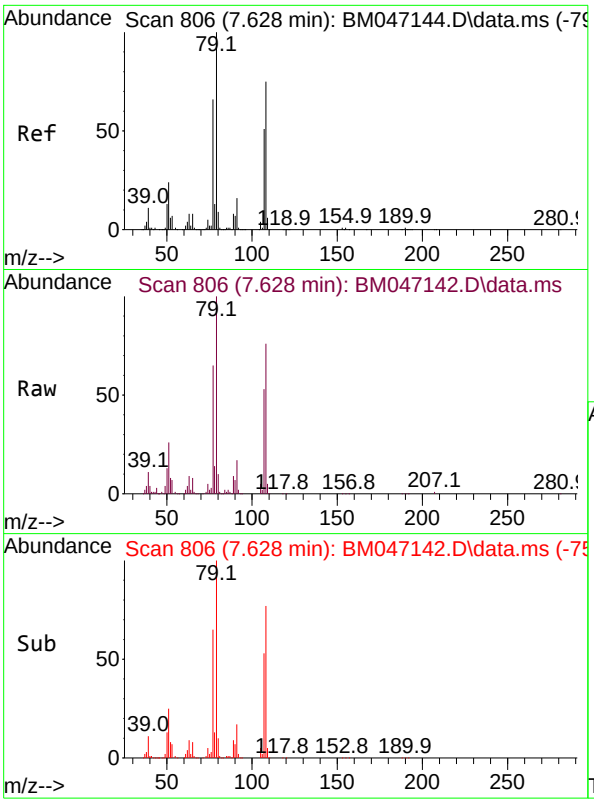


#14
1,2-Dichlorobenzene
Concen: 10.596 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:146 Resp: 215097

Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.8	77.8
111	43.0	33.3	49.9



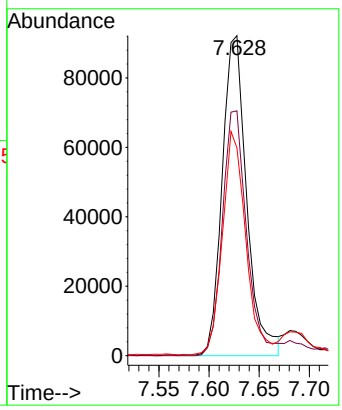


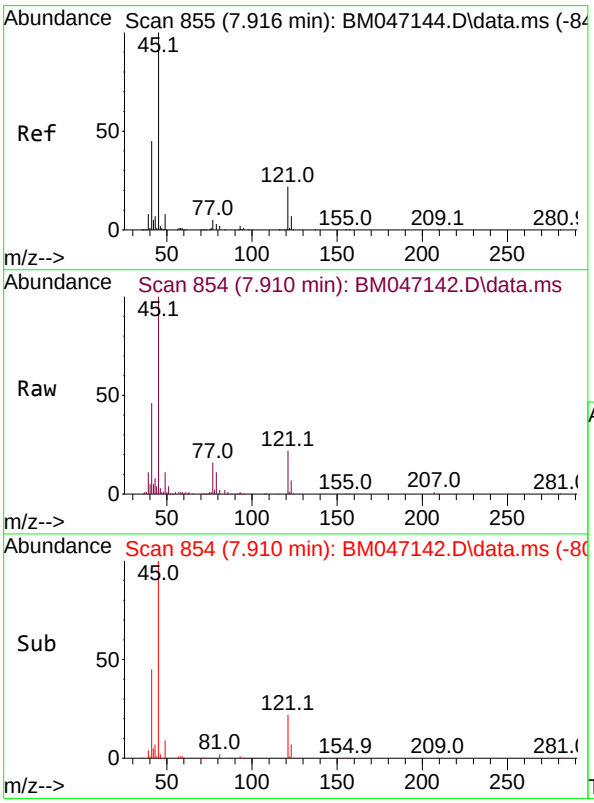
#15
Benzyl Alcohol
Concen: 9.781 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 157264

Ion	Ratio	Lower	Upper
79	100		
108	76.5	59.7	89.5
77	65.0	52.9	79.3

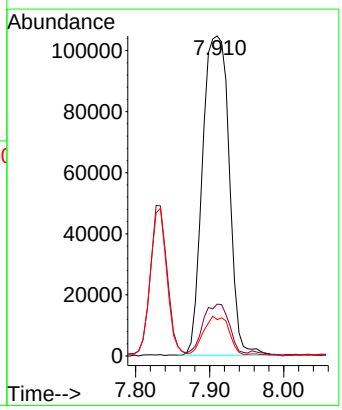


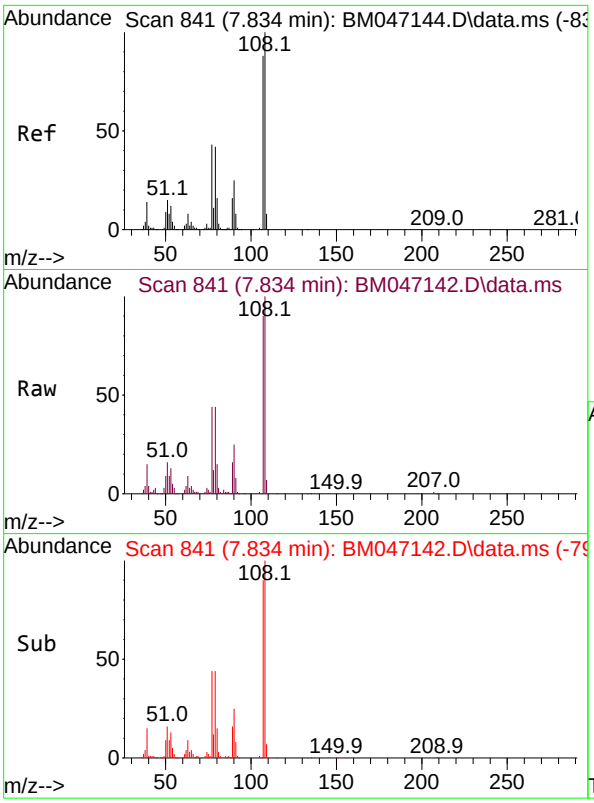


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.497 ng
RT: 7.910 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 45 Resp: 260329

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	35.6
79	11.4	0.0	32.4



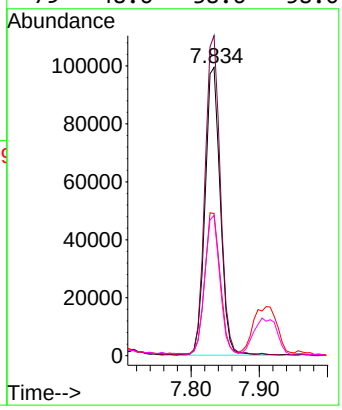


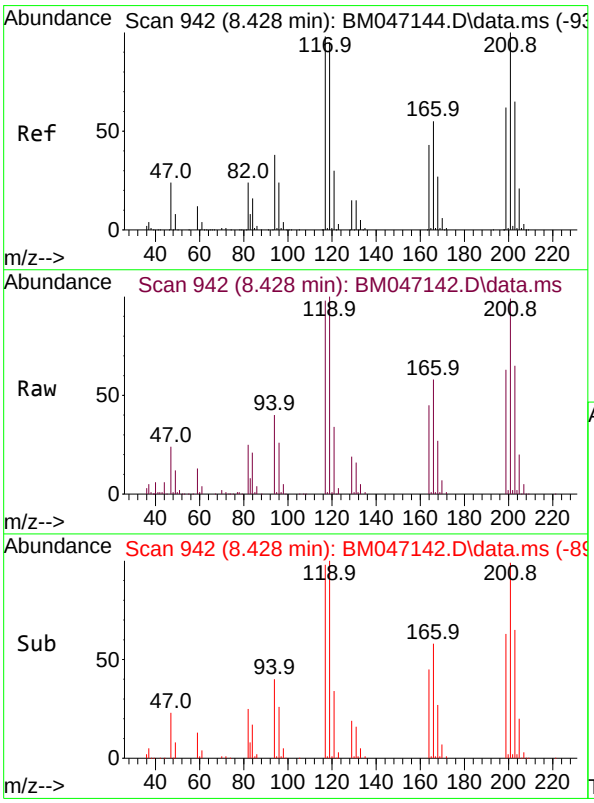
#17
2-Methylphenol
Concen: 10.274 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 154501

Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.6	135.8
77	49.4	39.3	58.9
79	48.6	38.6	58.0

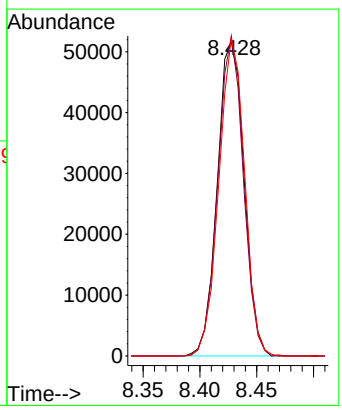


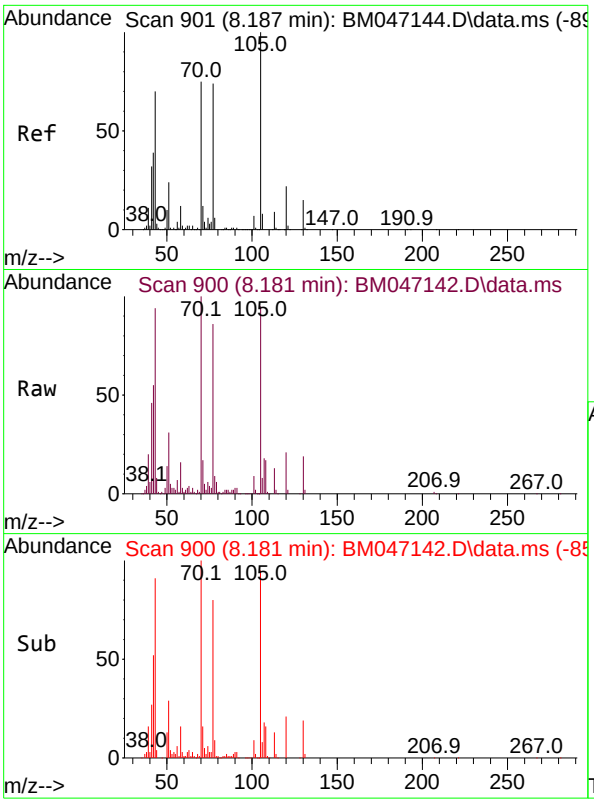


#18
Hexachloroethane
Concen: 10.149 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:117 Resp: 84578

Ion	Ratio	Lower	Upper
117	100		
119	101.9	77.0	115.4
201	101.2	81.3	121.9



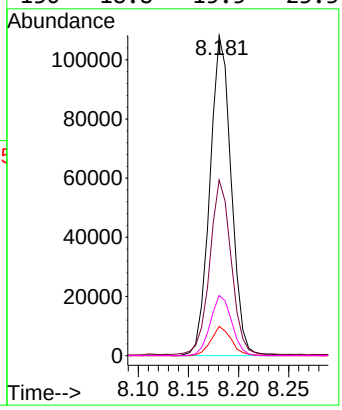


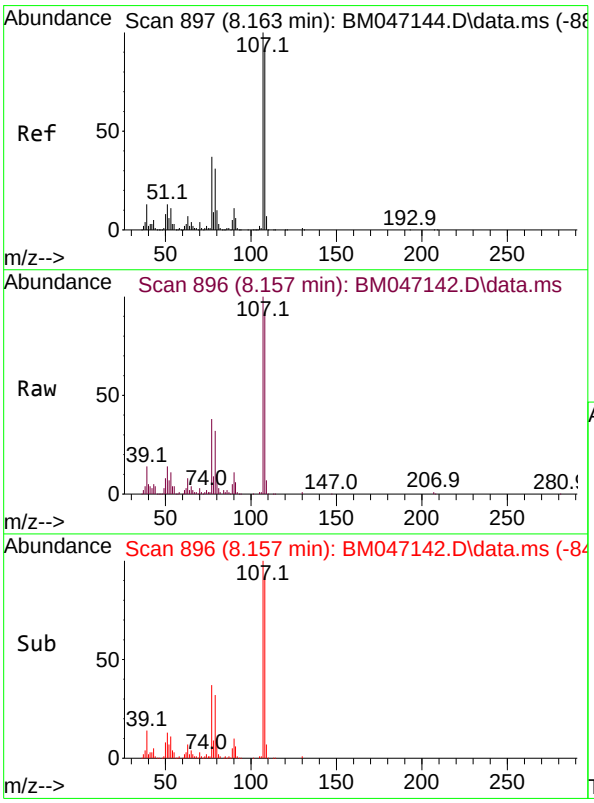
#19
n-Nitroso-di-n-propylamine
Concen: 10.544 ng
RT: 8.181 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 160456

Ion	Ratio	Lower	Upper
70	100		
42	54.9	42.0	63.0
101	9.2	7.2	10.8
130	18.8	15.5	23.3

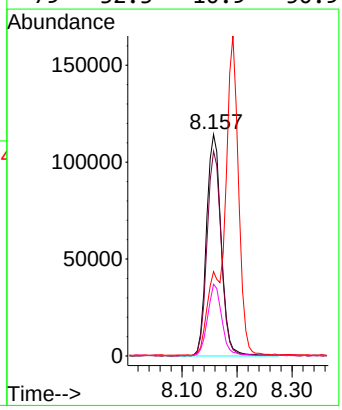


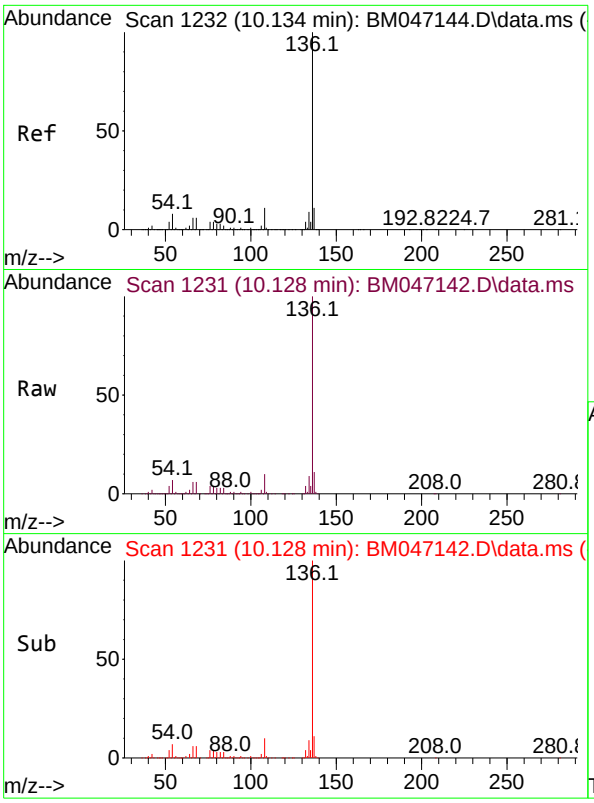


#20
3+4-Methylphenols
Concen: 10.048 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:107 Resp: 211260

Ion	Ratio	Lower	Upper
107	100		
108	92.4	70.7	110.7
77	38.0	17.4	57.4
79	32.3	10.9	50.9



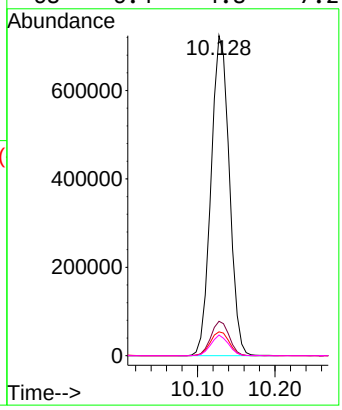


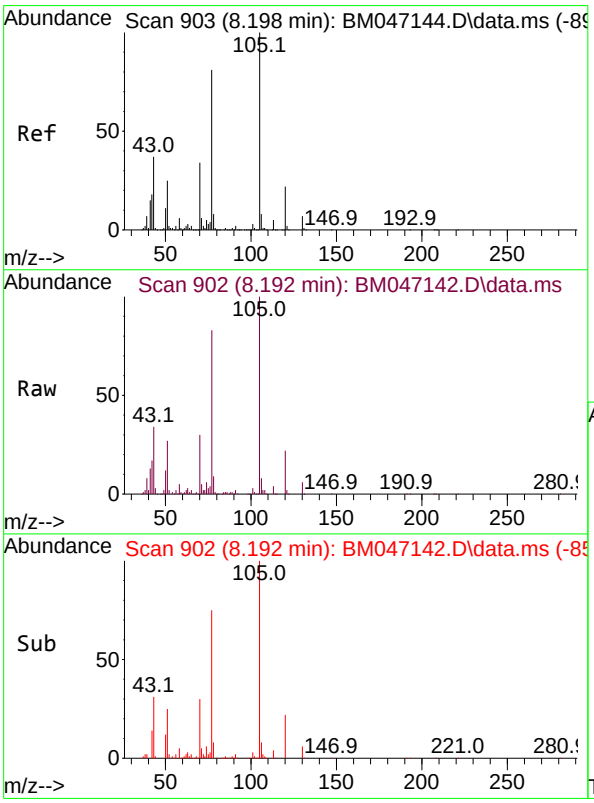
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1186627

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.5	6.0	9.0
68	6.4	4.8	7.2

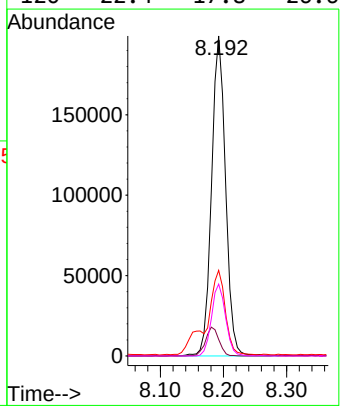


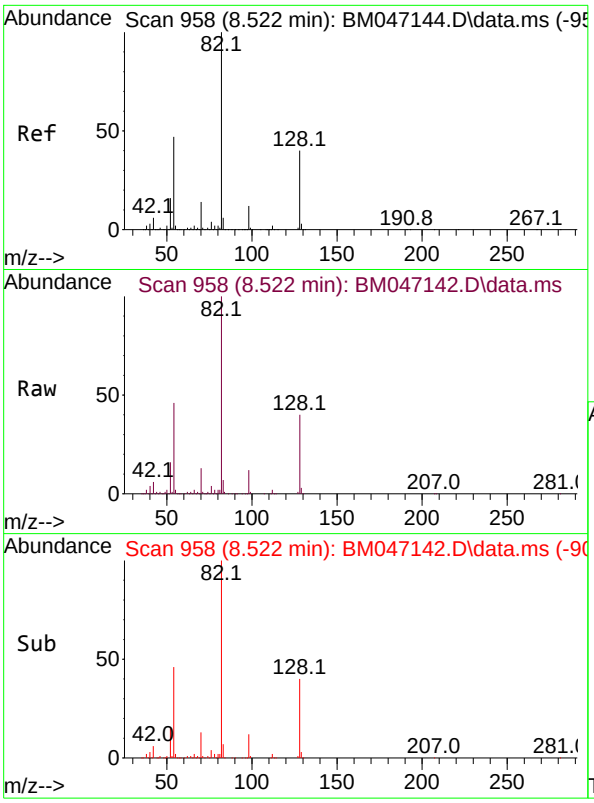


#22
Acetophenone
Concen: 10.711 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:105 Resp: 306786

Ion	Ratio	Lower	Upper
105	100		
71	5.2	4.5	6.7
51	26.8	20.1	30.1
120	22.4	17.8	26.6



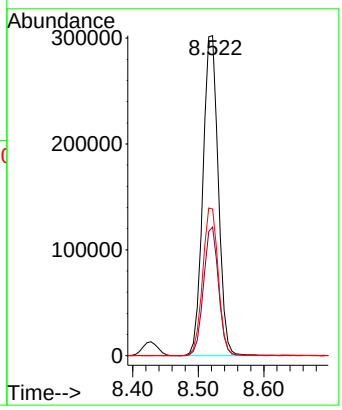


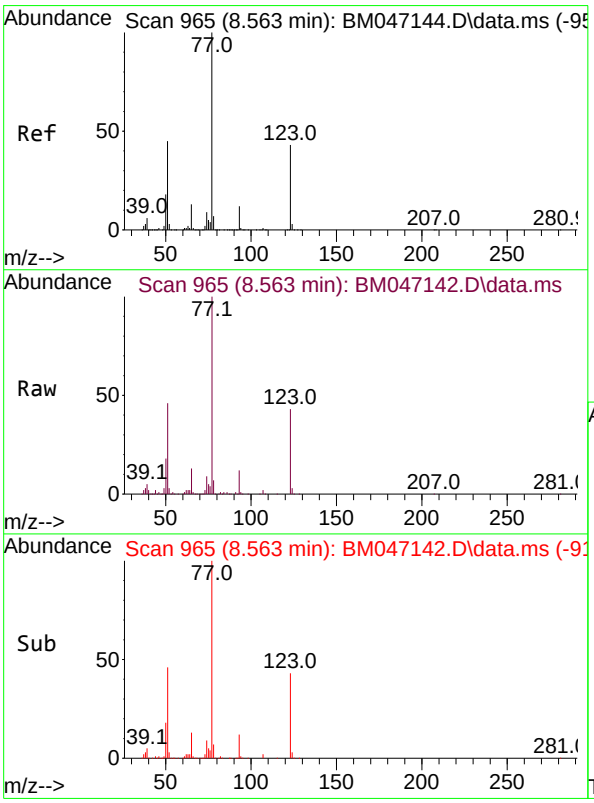
#23
Nitrobenzene-d5
Concen: 20.981 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 494443

Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.3	48.5
54	45.9	37.4	56.2

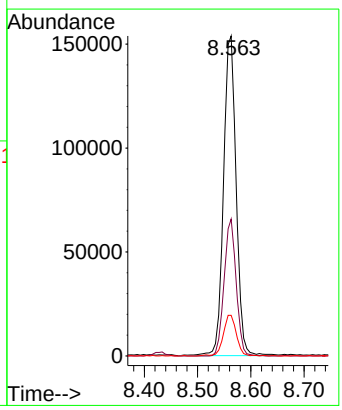


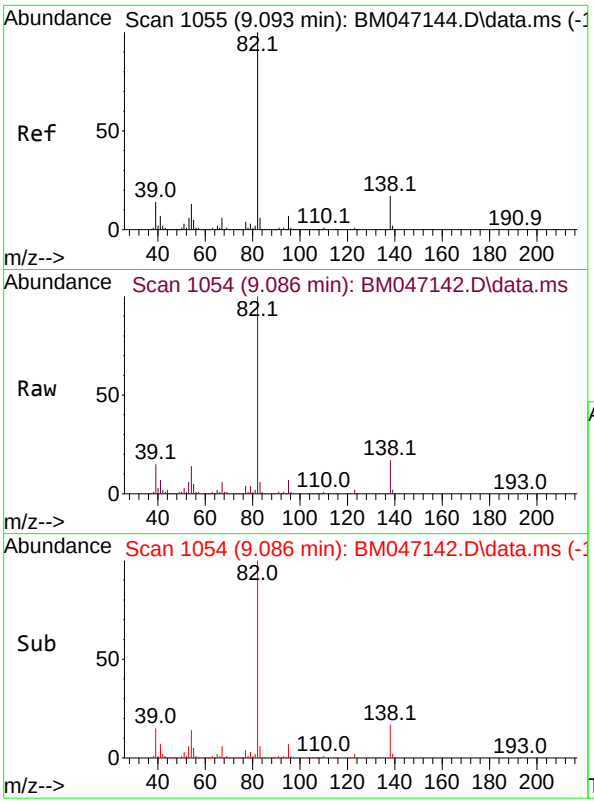


#24
Nitrobenzene
Concen: 10.664 ng
RT: 8.563 min Scan# 965
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 77 Resp: 253056

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.0	51.0
65	12.7	10.5	15.7



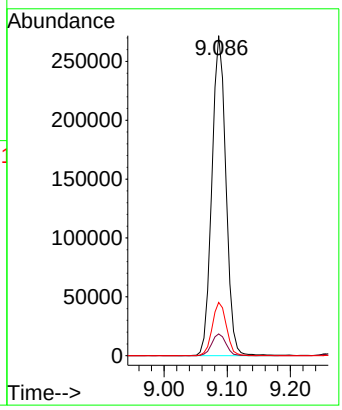


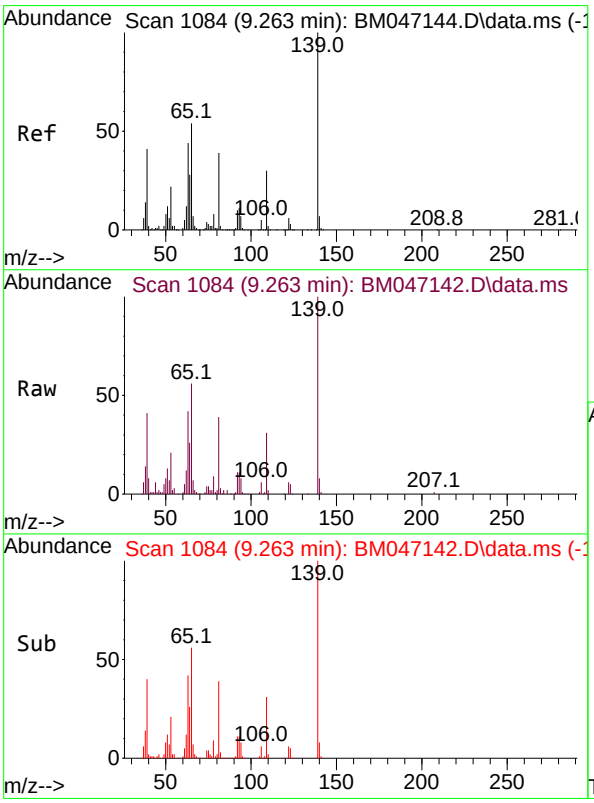
#25
Isophorone
Concen: 10.211 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 418965

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	16.6	13.5	20.3

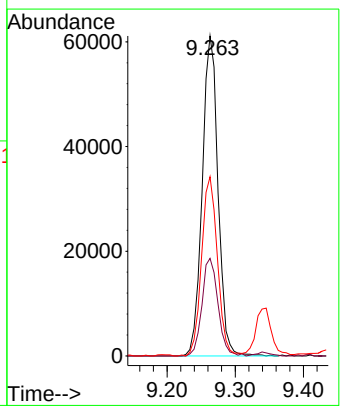


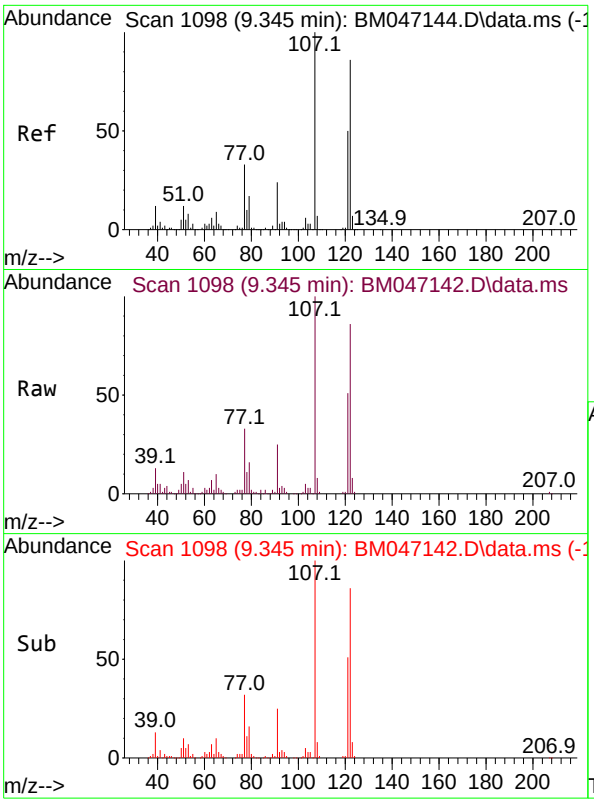


#26
2-Nitrophenol
Concen: 9.380 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:139 Resp: 98575

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.4	36.6
65	56.0	43.0	64.6



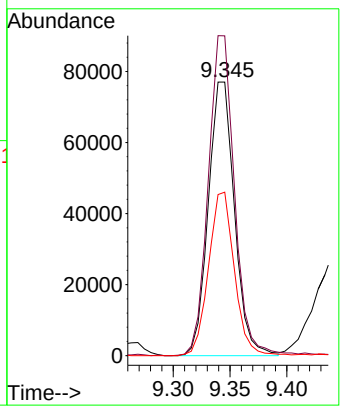


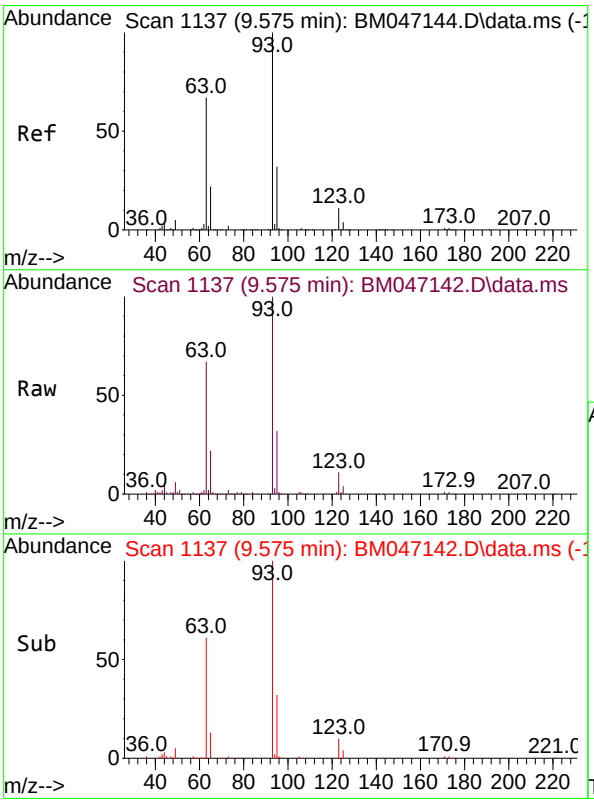
#27
2,4-Dimethylphenol
Concen: 10.056 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 123790

Ion	Ratio	Lower	Upper
122	100		
107	116.9	92.8	139.2
121	59.8	46.1	69.1

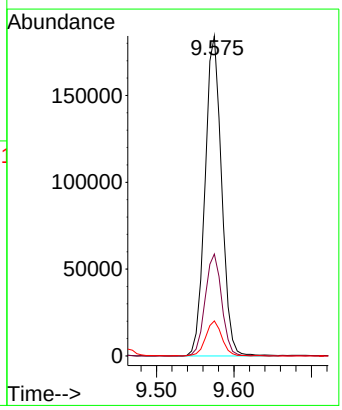


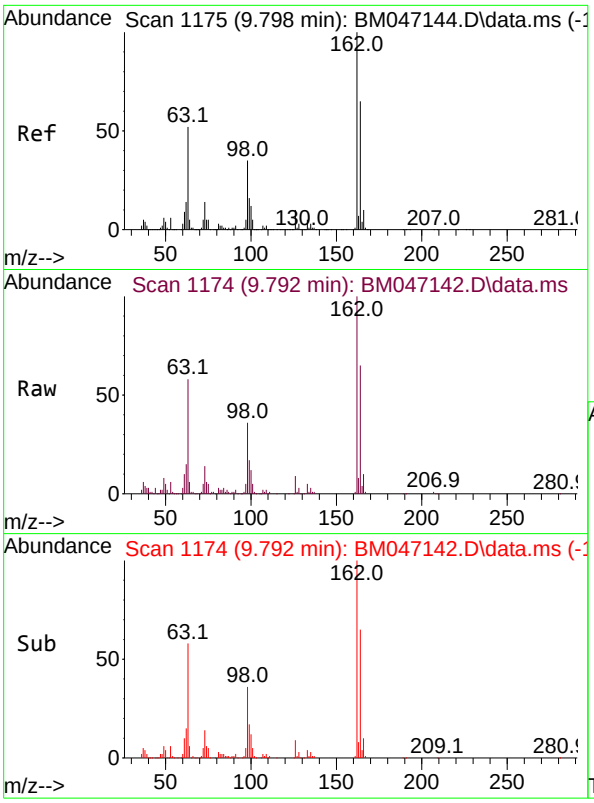


#28
bis(2-Chloroethoxy)methane
Concen: 10.586 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 93 Resp: 273307

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.8	38.8
123	10.9	9.0	13.4



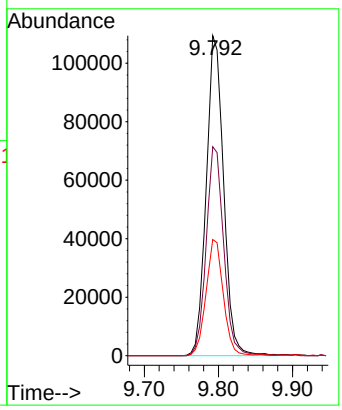


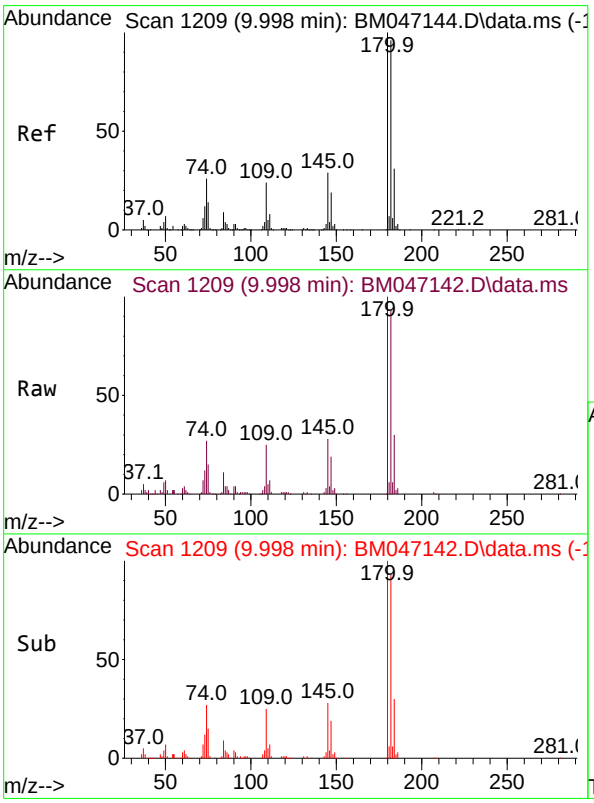
#29
2,4-Dichlorophenol
Concen: 9.748 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 178052

Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.7	84.7
98	36.3	14.9	54.9

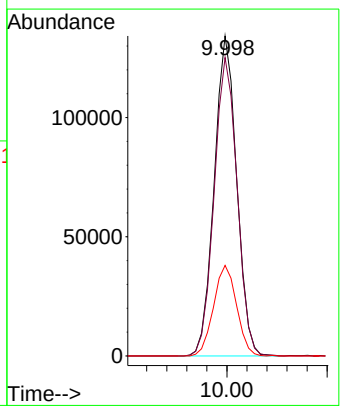


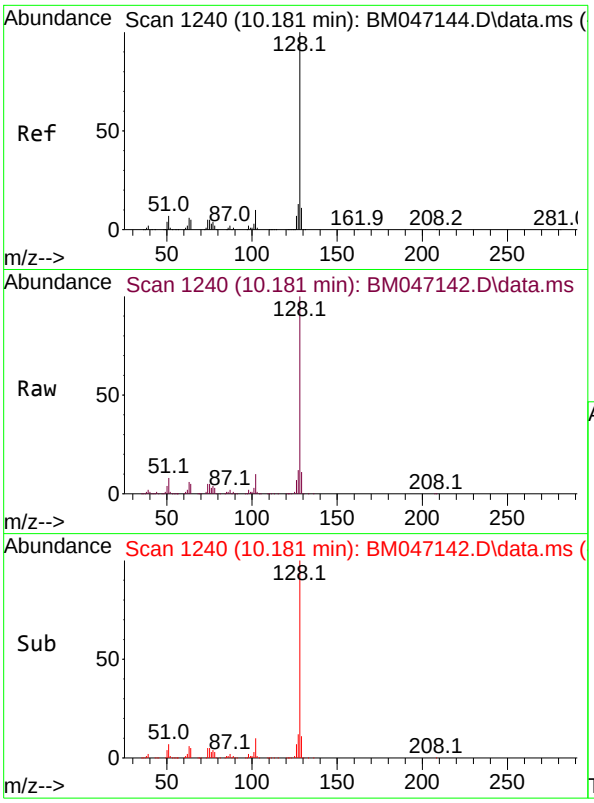


#30
1,2,4-Trichlorobenzene
Concen: 10.098 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:180 Resp: 208733

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.6	115.0
145	28.3	23.4	35.2



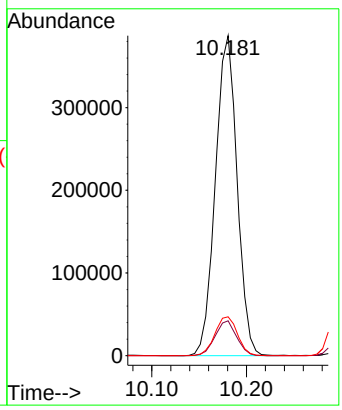


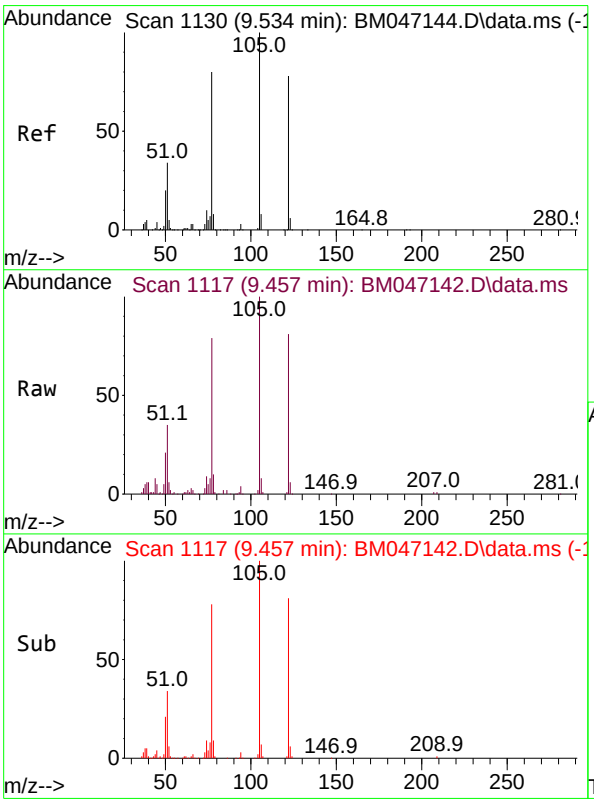
#31
Naphthalene
Concen: 10.447 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 617578

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.2	10.2	15.4

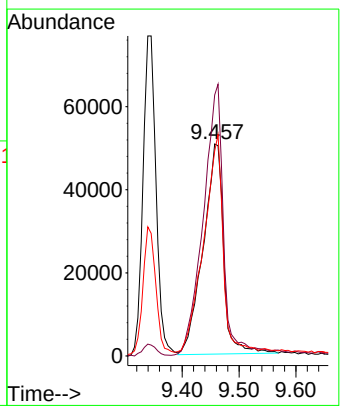


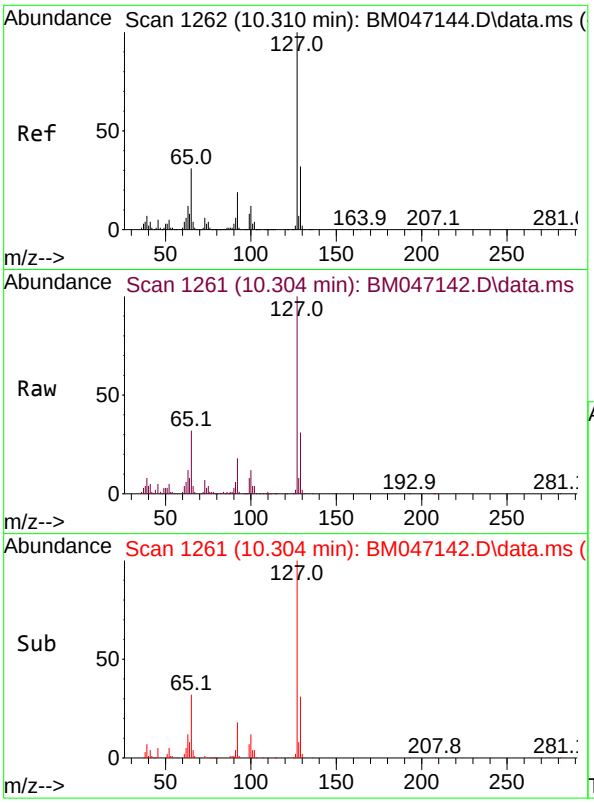


#32
Benzoic acid
Concen: 8.752 ng
RT: 9.457 min Scan# 1117
Delta R.T. -0.077 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:122 Resp: 125871

Ion	Ratio	Lower	Upper
122	100		
105	123.1	107.1	147.1
77	96.7	82.1	122.1



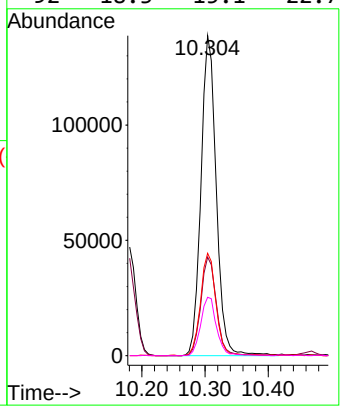


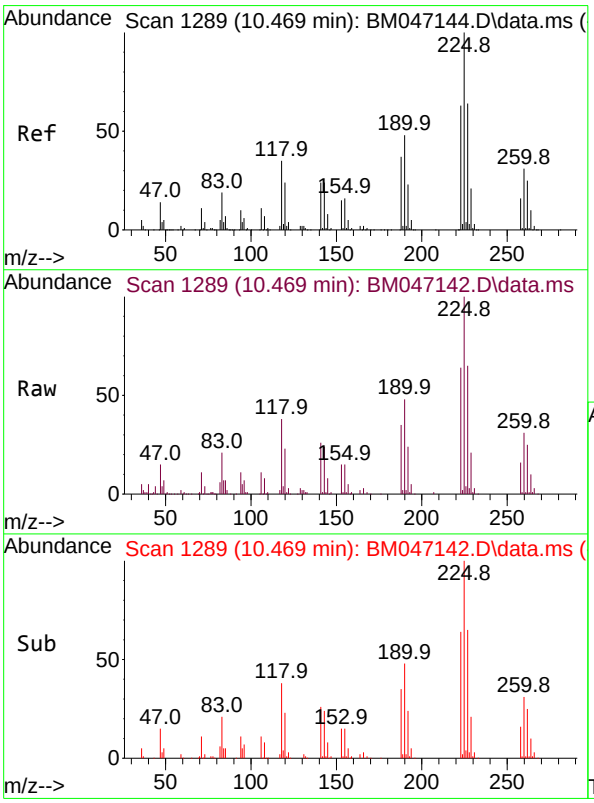
#33
4-Chloroaniline
Concen: 10.258 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 233198

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.8	38.8
65	32.0	24.9	37.3
92	18.3	15.1	22.7

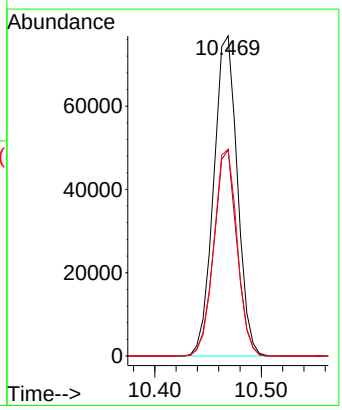


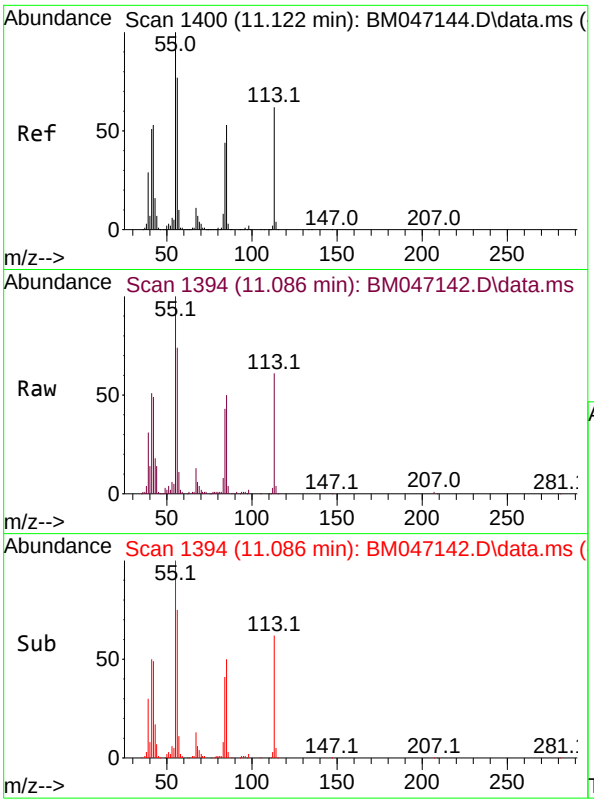


#34
Hexachlorobutadiene
Concen: 9.795 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:225 Resp: 118512

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.2	75.2
227	64.6	51.4	77.0



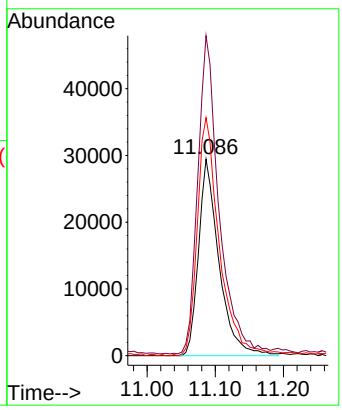


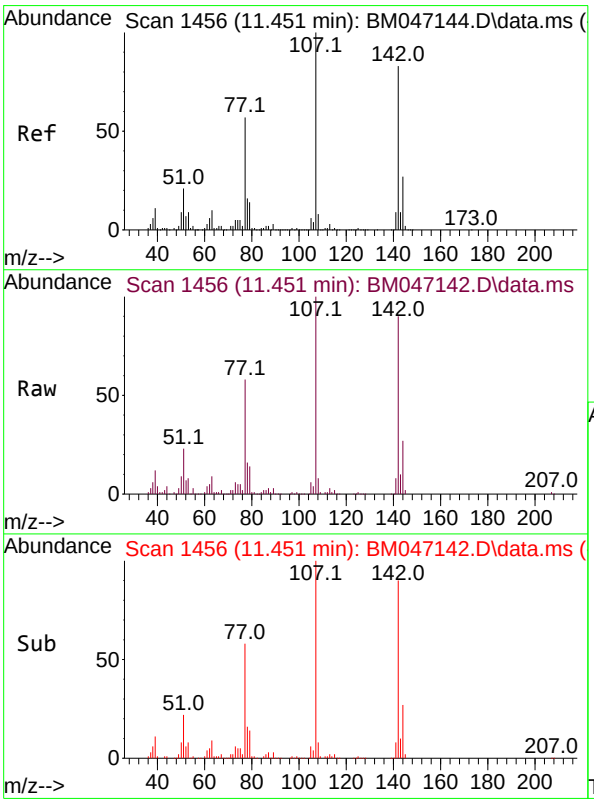
#35
Caprolactam
Concen: 9.677 ng
RT: 11.086 min Scan# 1
Delta R.T. -0.035 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 61384

Ion	Ratio	Lower	Upper
113	100		
55	162.9	140.5	180.5
56	121.2	103.6	143.6

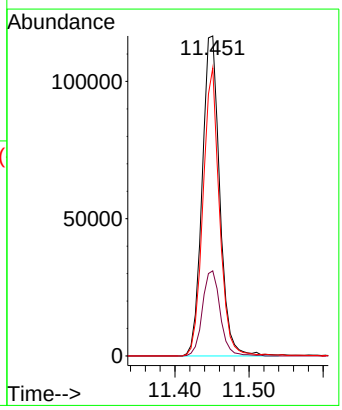


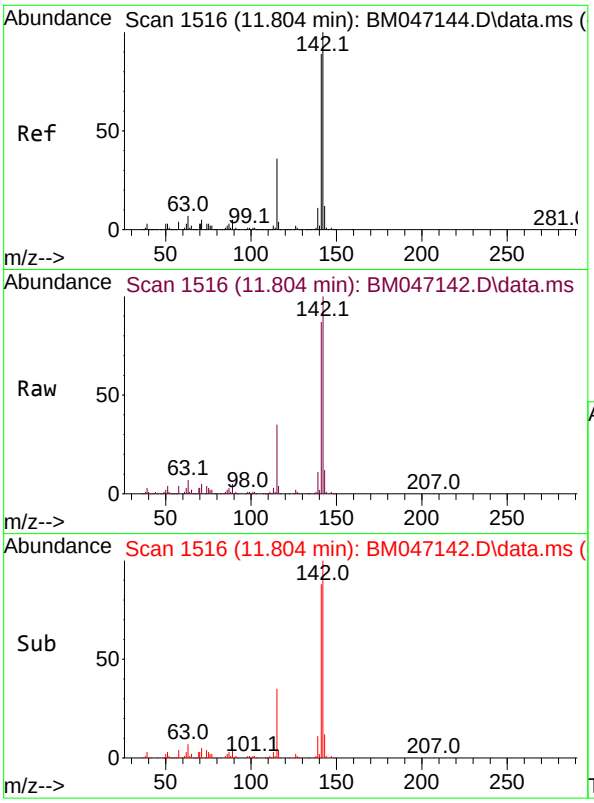


#36
4-Chloro-3-methylphenol
Concen: 9.883 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:107 Resp: 192243

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.8	32.6
142	90.0	66.8	100.2



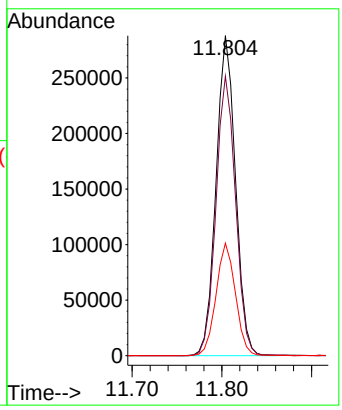


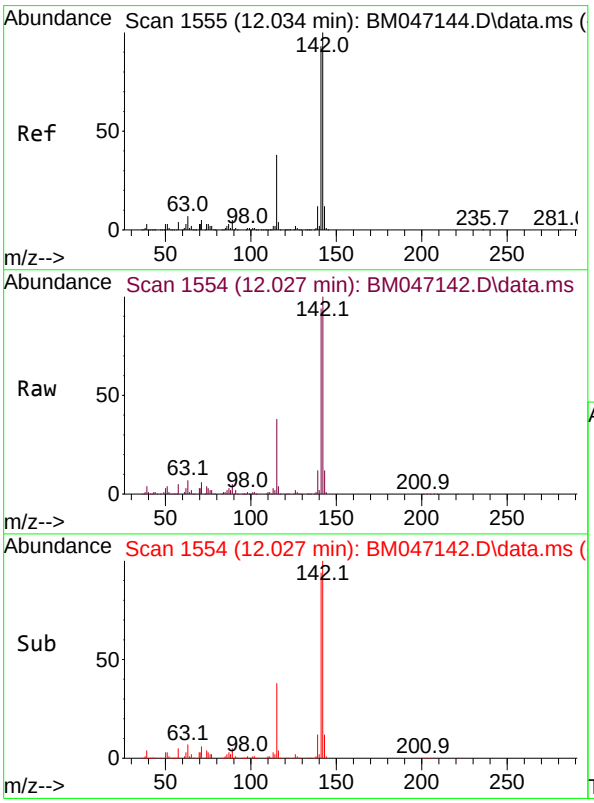
#37
2-Methylnaphthalene
Concen: 10.298 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 433416

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.9	106.3
115	35.2	28.7	43.1

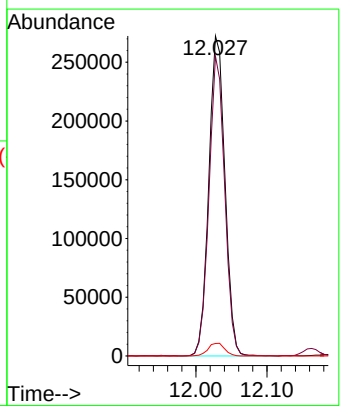


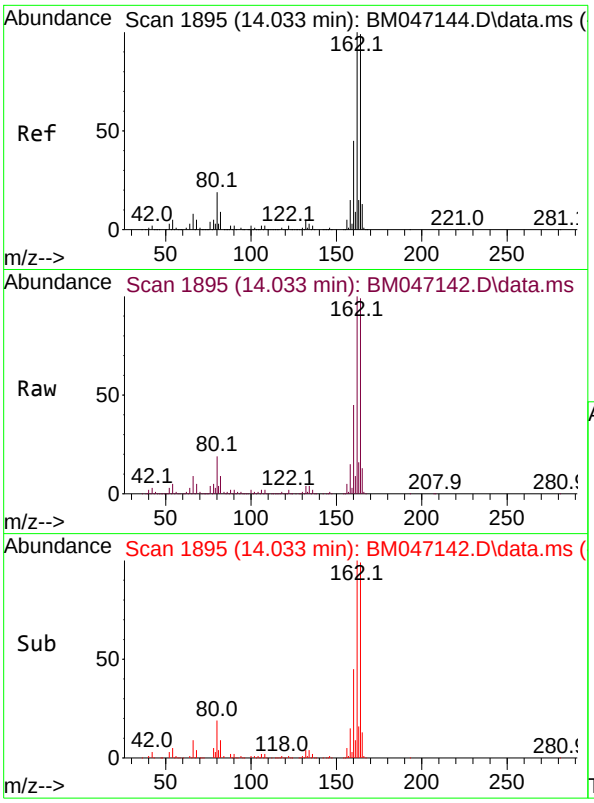


#38
1-Methylnaphthalene
Concen: 10.354 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:142 Resp: 430690

Ion	Ratio	Lower	Upper
142	100		
141	93.6	74.6	111.8
116	3.9	3.1	4.7



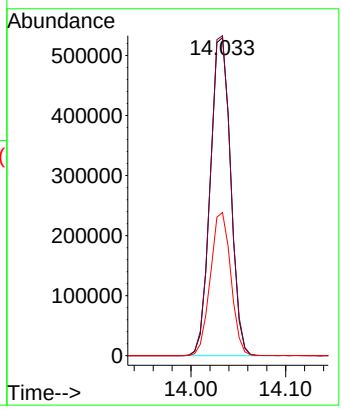


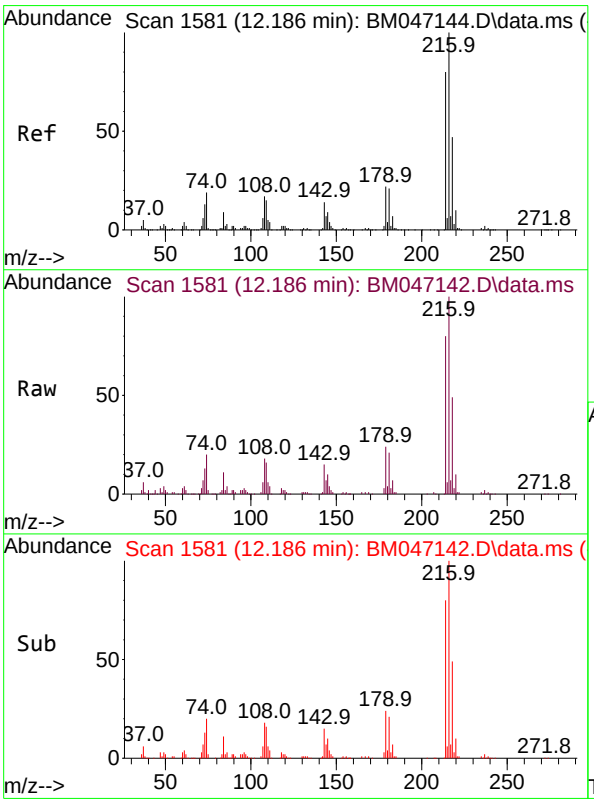
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 788651

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.7	121.1
160	45.0	36.0	54.0

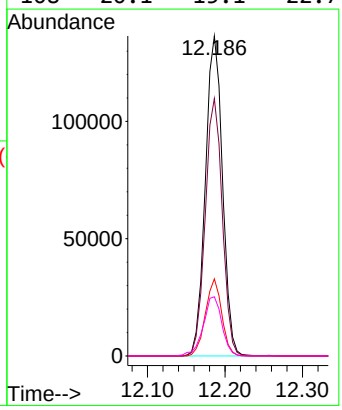


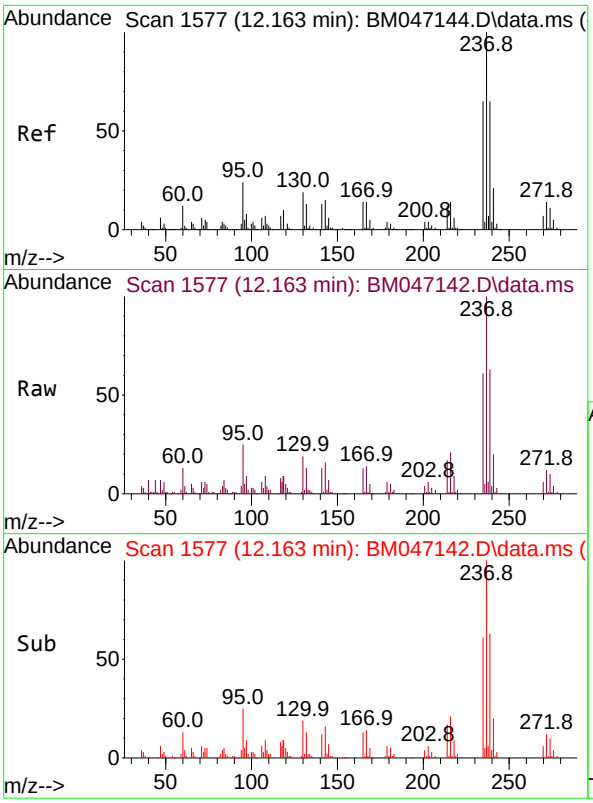


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.738 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:216 Resp: 209468

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.4	95.2
179	23.0	17.6	26.4
108	20.1	15.1	22.7



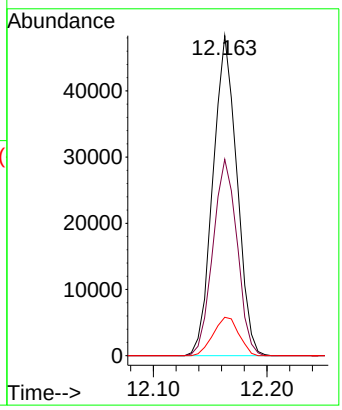


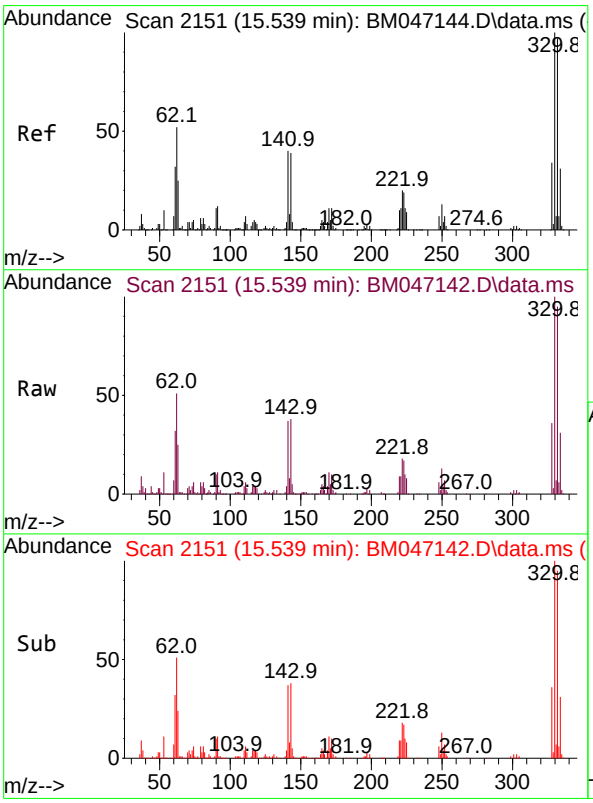
#41
Hexachlorocyclopentadiene
Concen: 9.423 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 70782

Ion	Ratio	Lower	Upper
237	100		
235	61.3	44.8	84.8
272	12.0	0.0	33.5

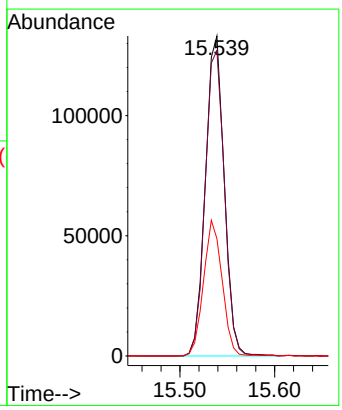


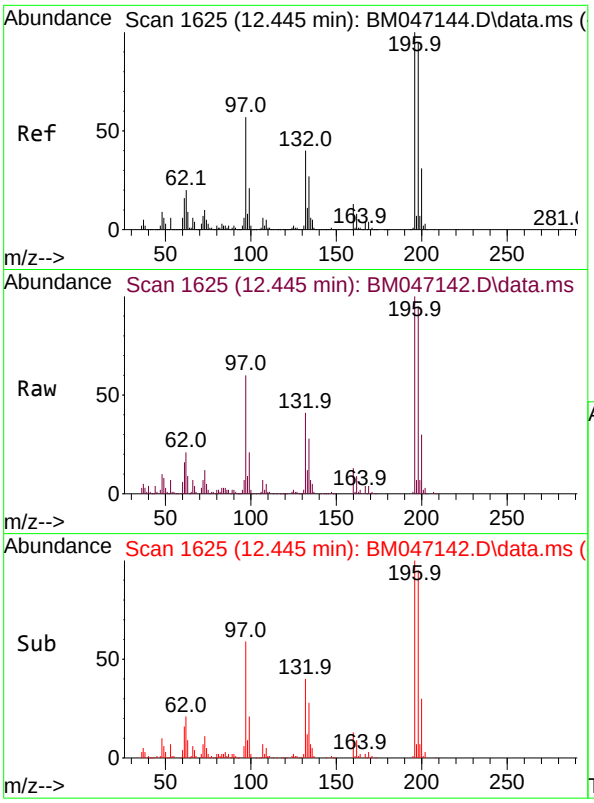


#42
2,4,6-Tribromophenol
Concen: 20.063 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:330 Resp: 183466

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.2
141	42.0	31.6	47.4



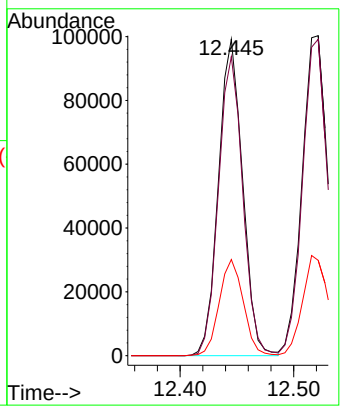


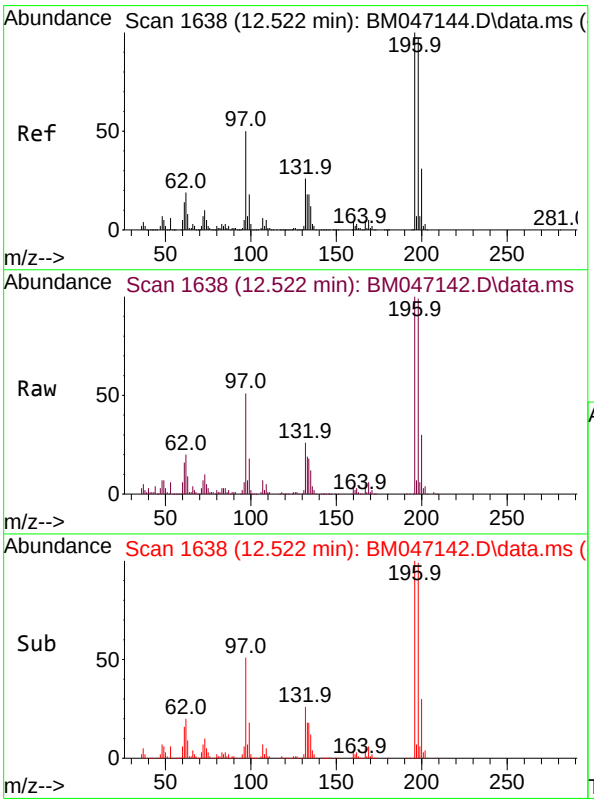
#43
2,4,6-Trichlorophenol
Concen: 9.593 ng
RT: 12.445 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 146662

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.6	113.4
200	30.4	24.6	37.0

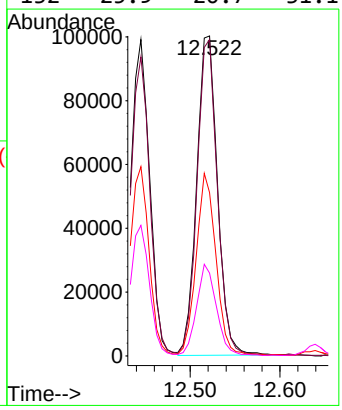


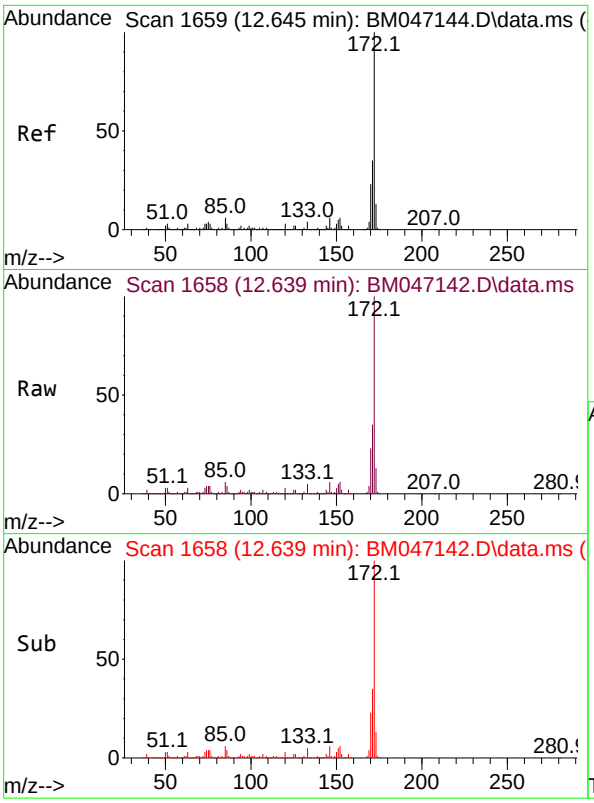


#44
2,4,5-Trichlorophenol
Concen: 9.520 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:196 Resp: 161605

Ion	Ratio	Lower	Upper
196	100		
198	98.9	77.7	116.5
97	51.0	39.8	59.8
132	25.9	20.7	31.1



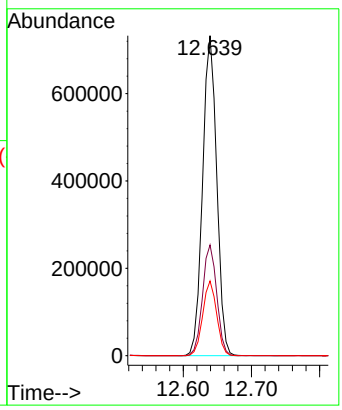


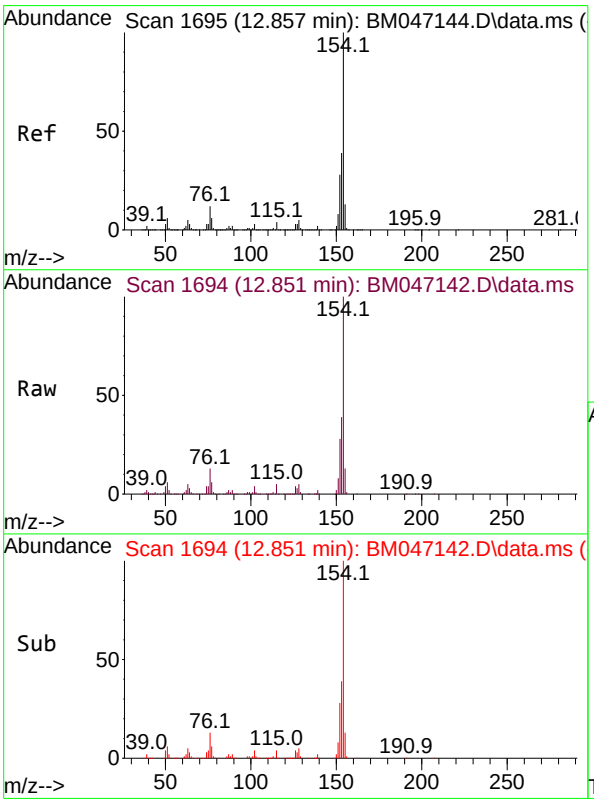
#45
2-Fluorobiphenyl
Concen: 20.688 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 1057713

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.4	18.7	28.1

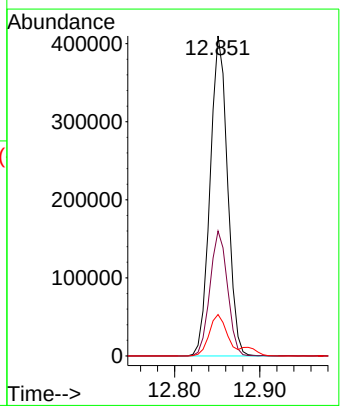


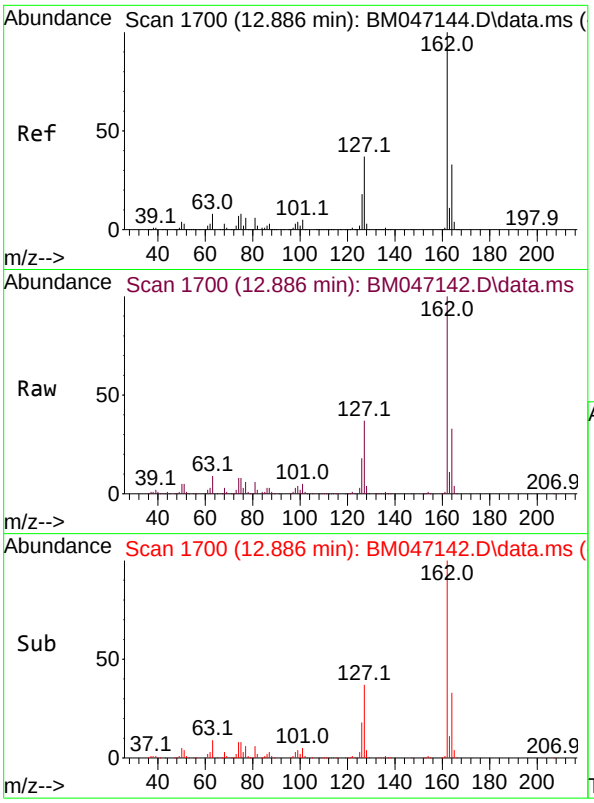


#46
1,1'-Biphenyl
Concen: 10.407 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:154 Resp: 584326

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.0	59.0
76	12.9	0.0	31.9



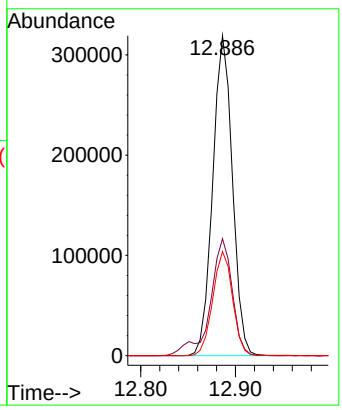


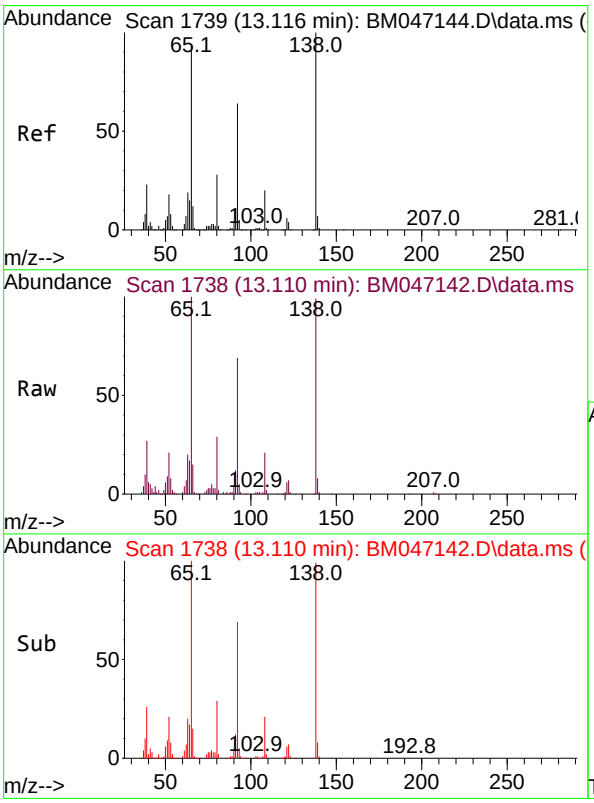
#47
2-Chloronaphthalene
Concen: 10.503 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 460927

Ion	Ratio	Lower	Upper
162	100		
127	36.6	30.0	45.0
164	32.6	26.3	39.5

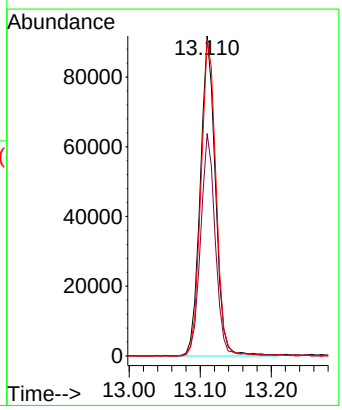


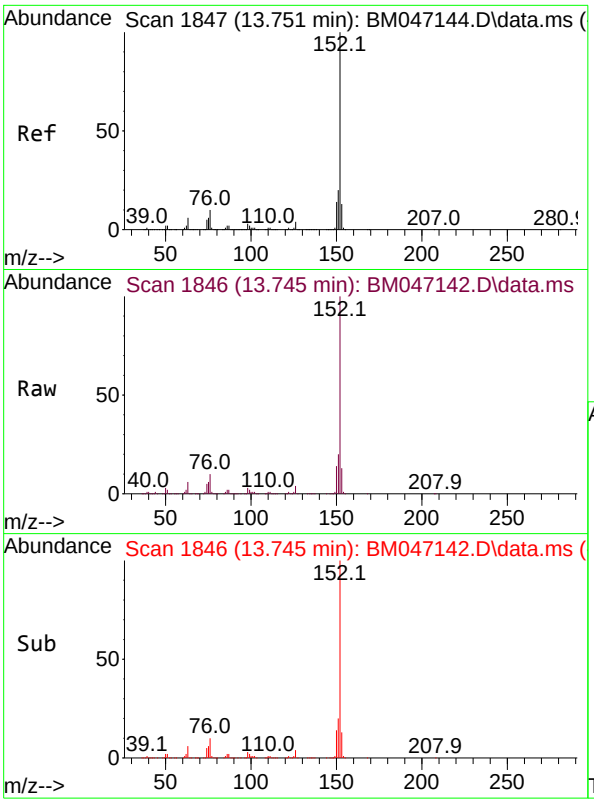


#48
2-Nitroaniline
Concen: 9.925 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 65 Resp: 136444

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.1	82.7
138	98.8	85.9	128.9



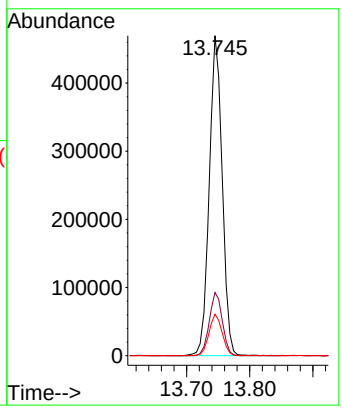


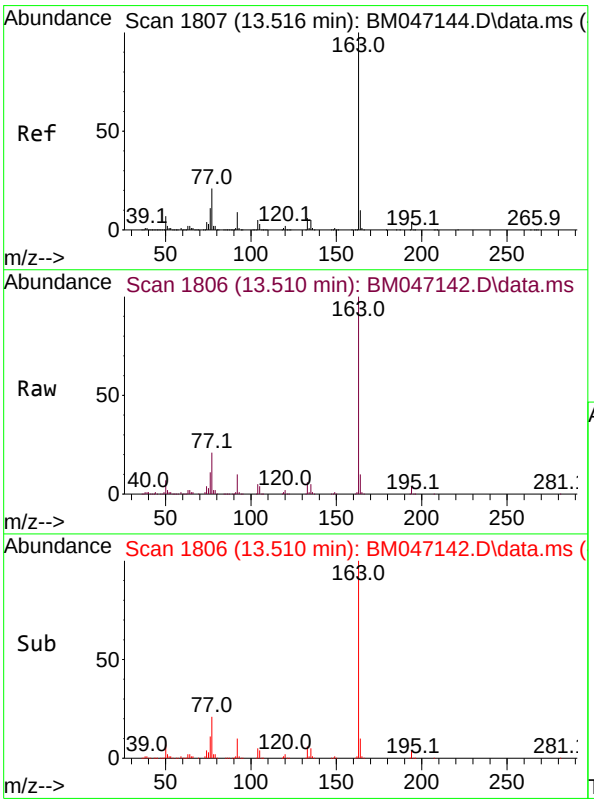
#49
Acenaphthylene
Concen: 10.358 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 669998

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.0	10.4	15.6

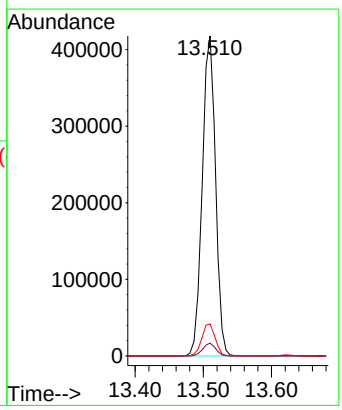


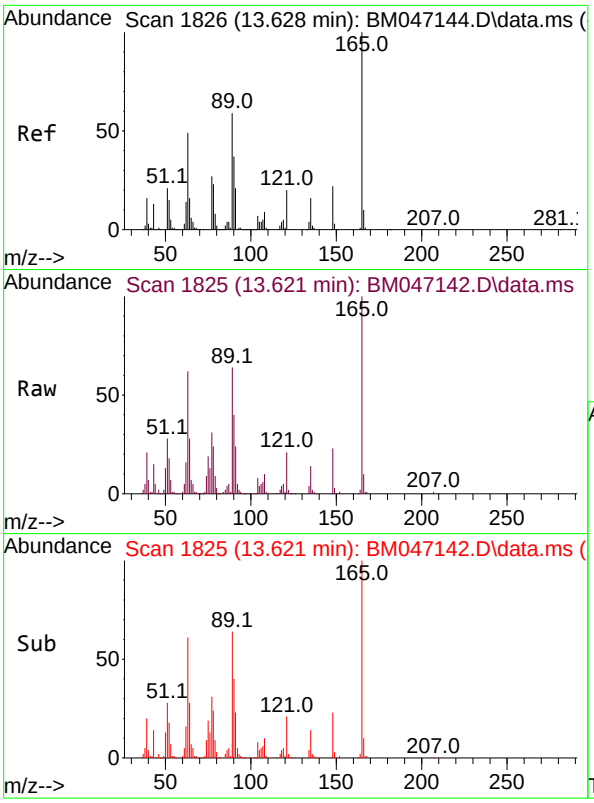


#50
Dimethylphthalate
Concen: 10.259 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:163 Resp: 565056

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.0	8.0	12.0



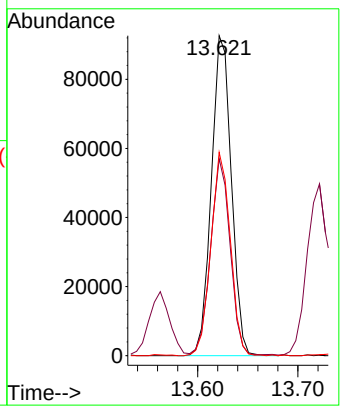


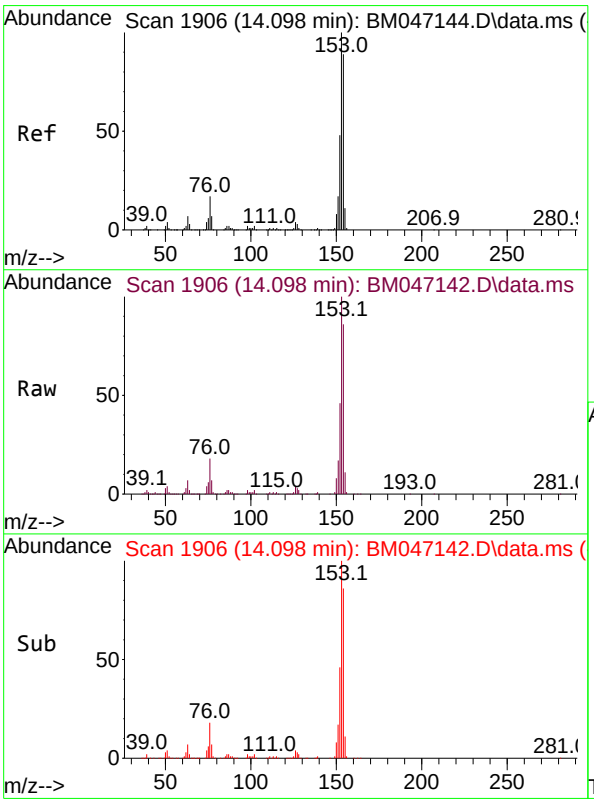
#51
2,6-Dinitrotoluene
Concen: 9.954 ng
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 128162

Ion	Ratio	Lower	Upper
165	100		
63	61.6	46.5	69.7
89	63.5	47.3	70.9

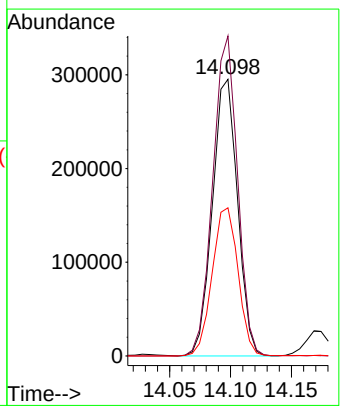


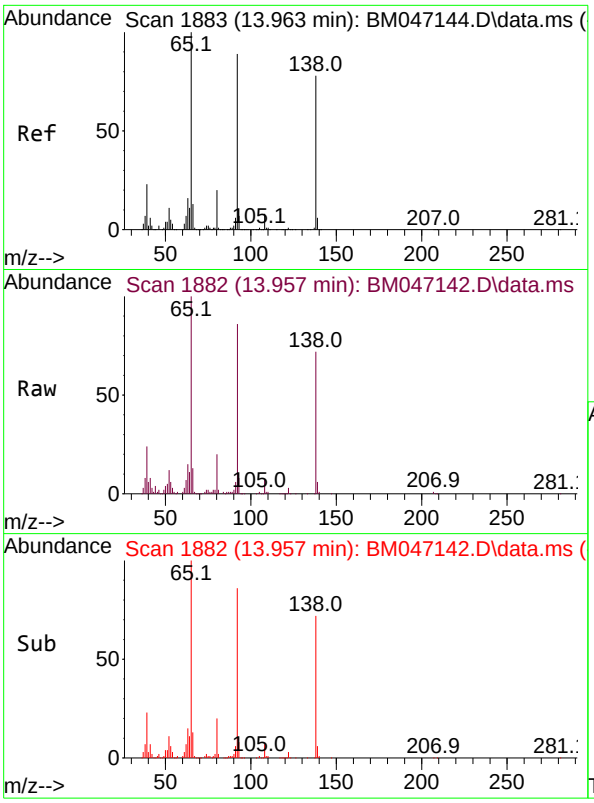


#52
Acenaphthene
Concen: 10.367 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:154 Resp: 425366

Ion	Ratio	Lower	Upper
154	100		
153	115.7	90.3	135.5
152	53.6	42.9	64.3



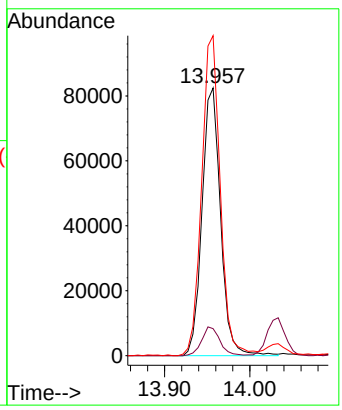


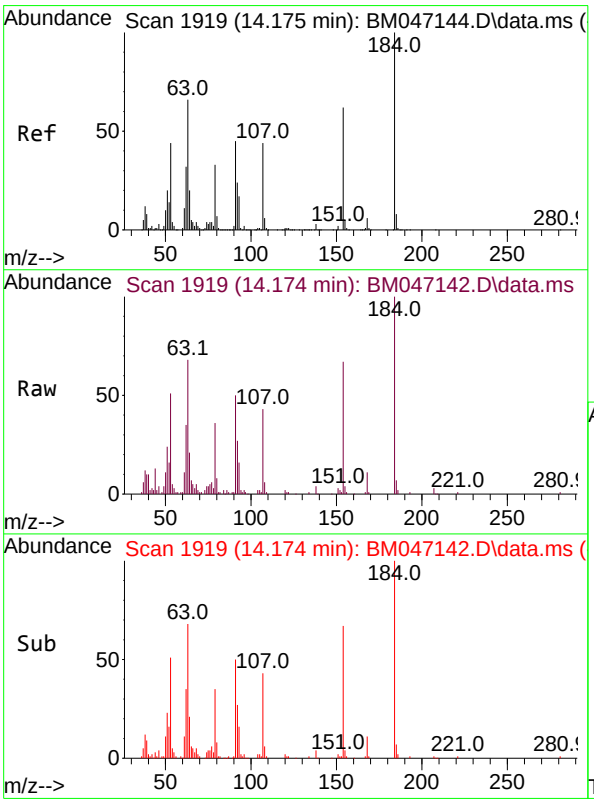
#53
3-Nitroaniline
Concen: 9.674 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 124808

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.9	11.9
92	119.5	92.0	138.0

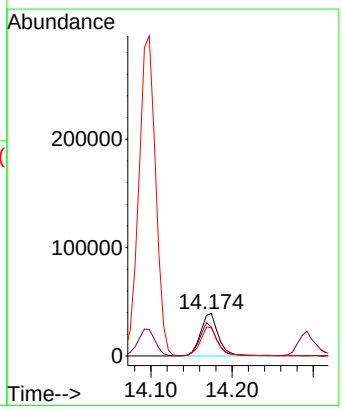


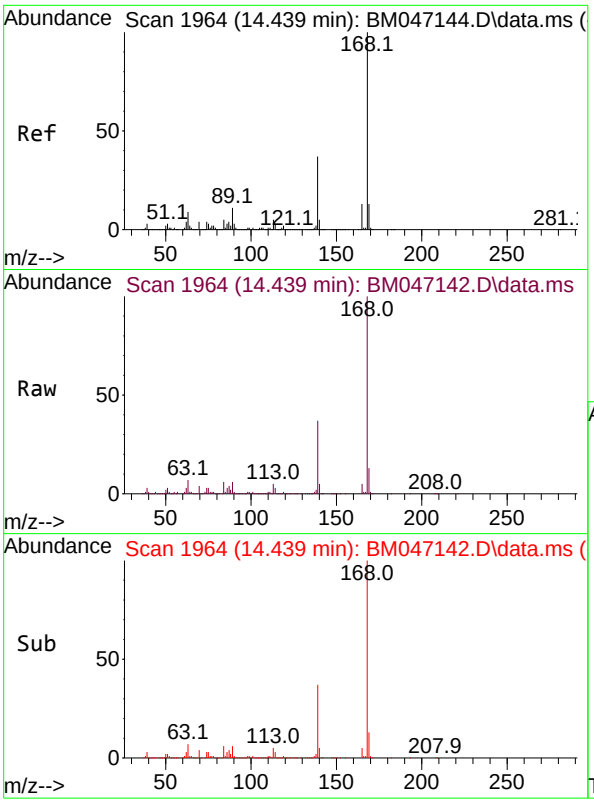


#54
2,4-Dinitrophenol
Concen: 7.780 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:184 Resp: 60036

Ion	Ratio	Lower	Upper
184	100		
63	68.4	52.7	79.1
154	66.6	50.4	75.6



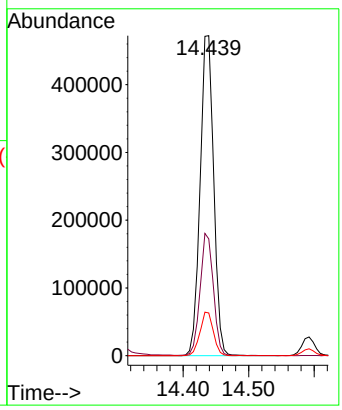


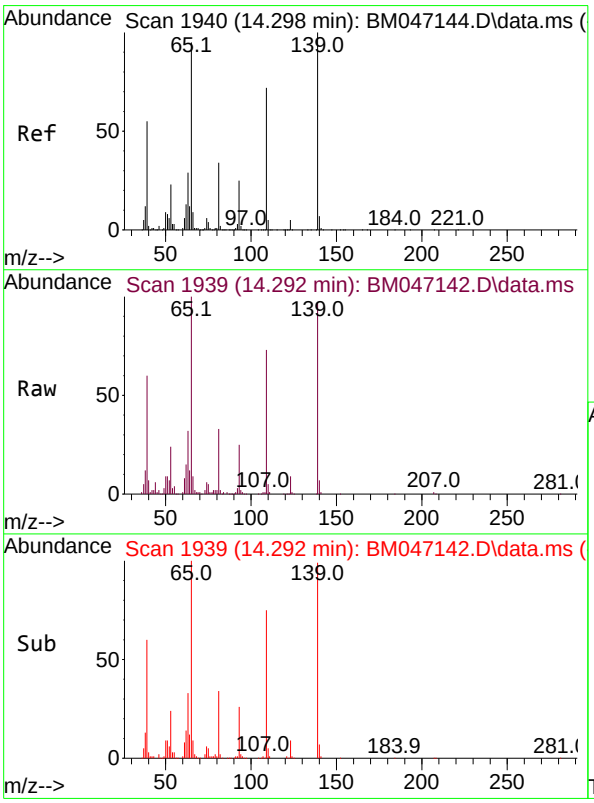
#55
Dibenzofuran
Concen: 10.530 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 682447

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.6	44.4
169	13.3	10.7	16.1

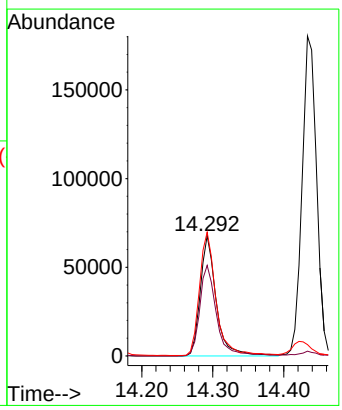


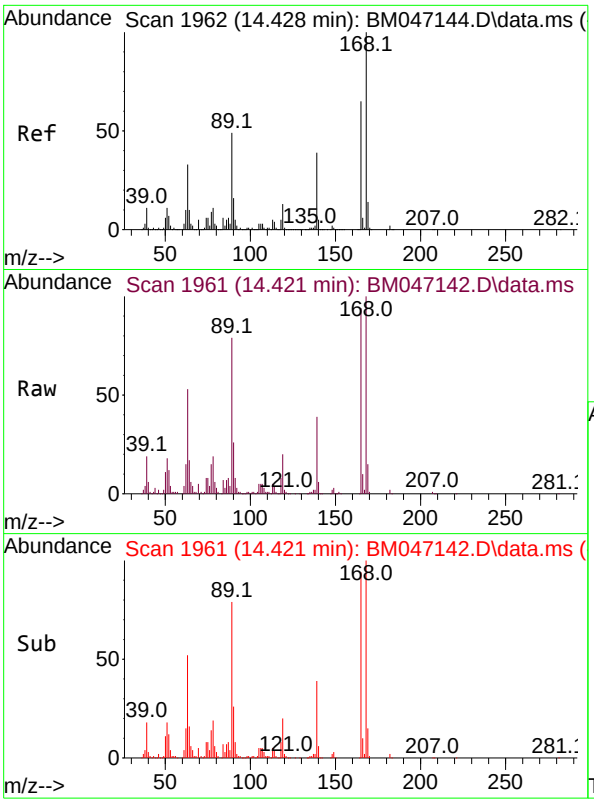


#56
4-Nitrophenol
Concen: 9.511 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:139 Resp: 105813

Ion	Ratio	Lower	Upper
139	100		
109	75.3	52.5	92.5
65	103.0	75.4	115.4



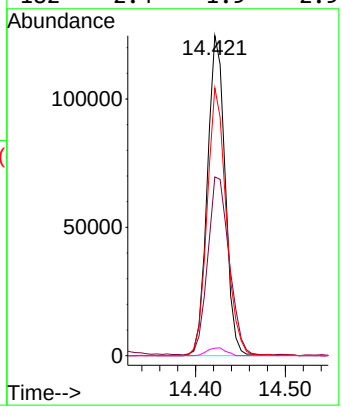


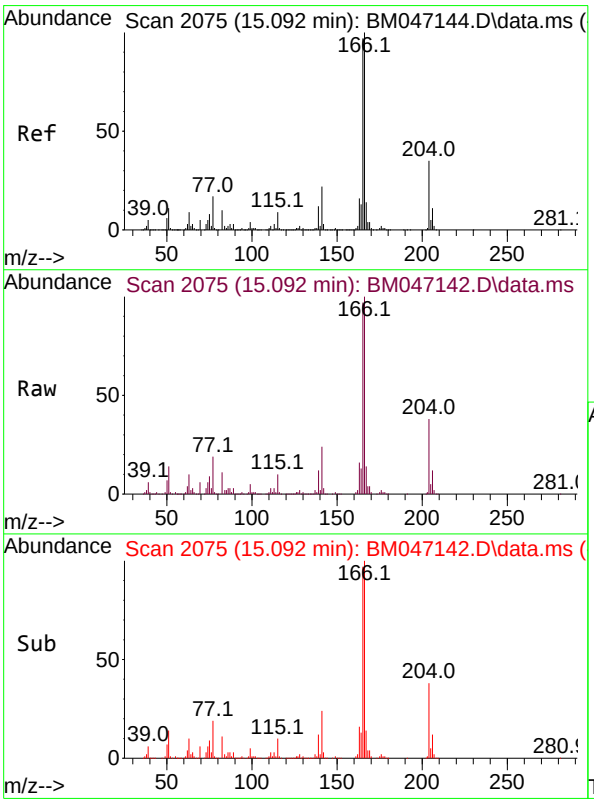
#57
2,4-Dinitrotoluene
Concen: 9.982 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 171542

Ion	Ratio	Lower	Upper
165	100		
63	55.8	40.3	60.5
89	83.7	61.0	91.6
182	2.4	1.9	2.9

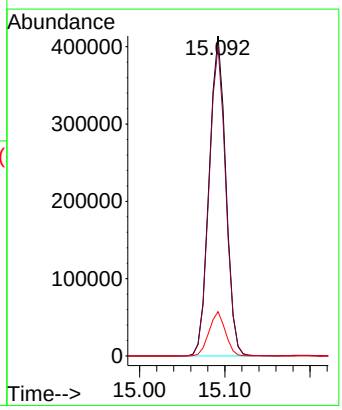


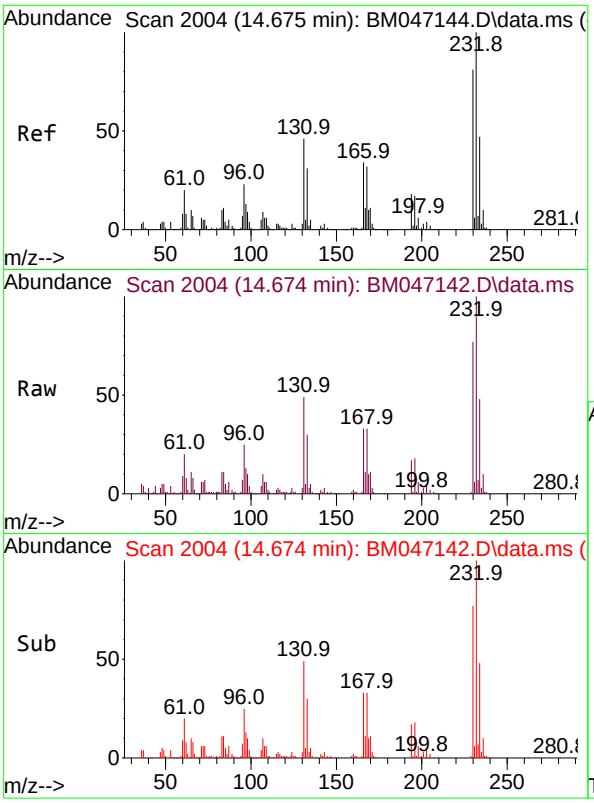


#58
Fluorene
Concen: 10.527 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:166 Resp: 562937

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.4	116.0
167	13.8	11.0	16.6



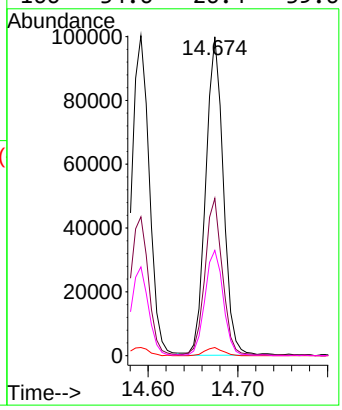


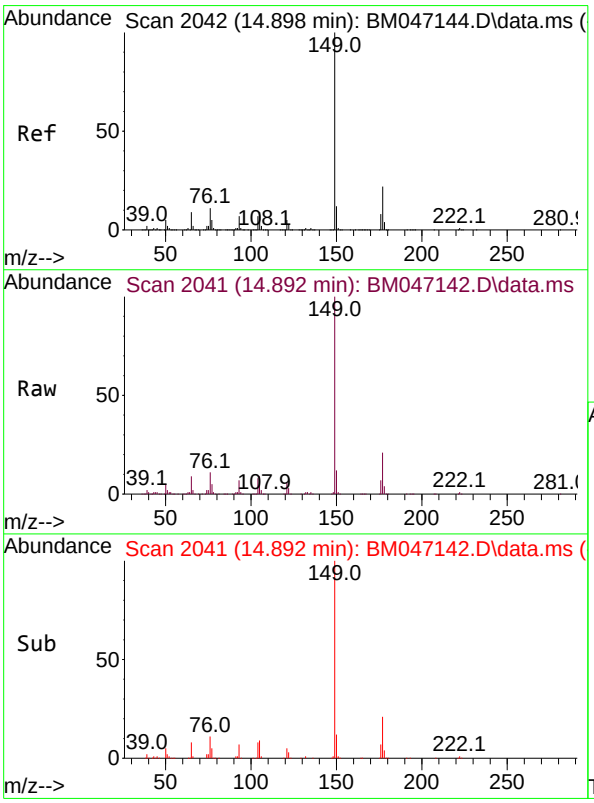
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.739 ng
RT: 14.674 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 135880

Ion	Ratio	Lower	Upper
232	100		
131	50.0	36.9	55.3
130	2.6	2.0	3.0
166	34.6	26.4	39.6

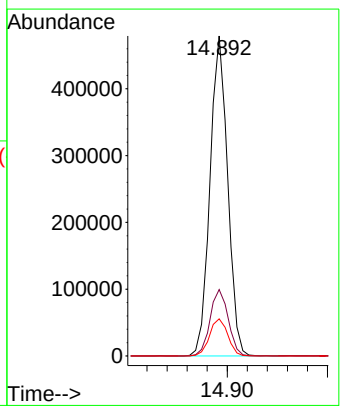


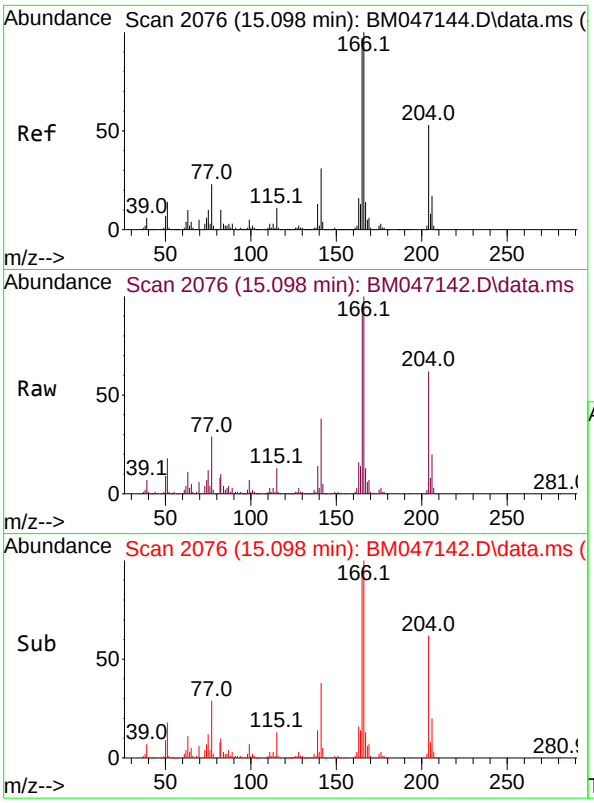


#60
Diethylphthalate
Concen: 10.418 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 586005

Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.6	26.4
150	11.6	9.8	14.6



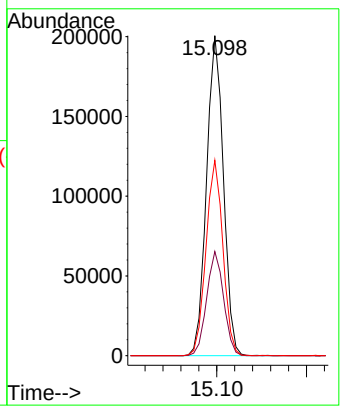


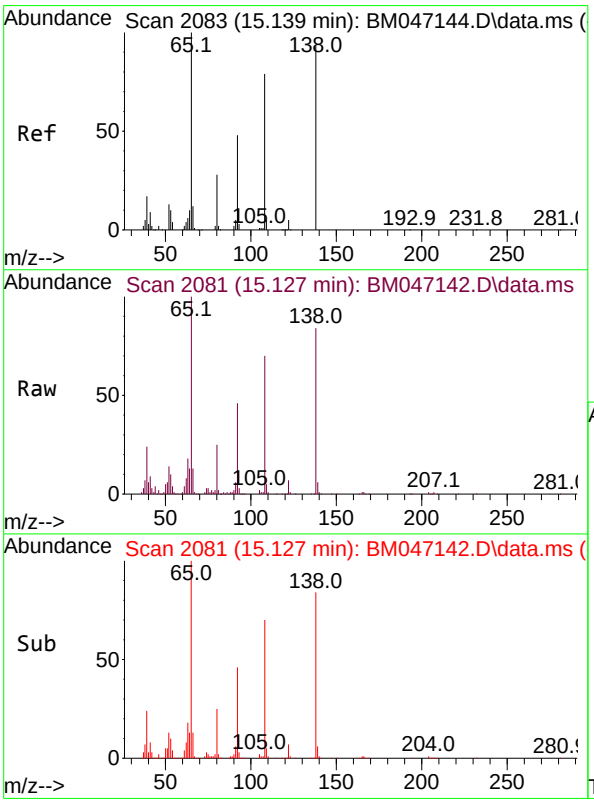
#61
4-Chlorophenyl-phenylether
Concen: 10.269 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 261449

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.4
141	61.1	47.2	70.8

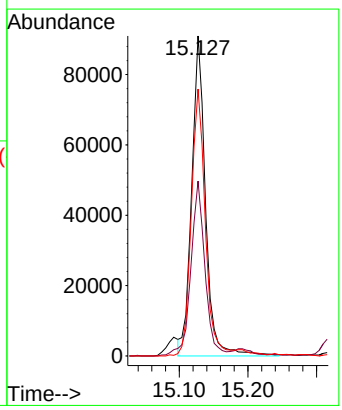


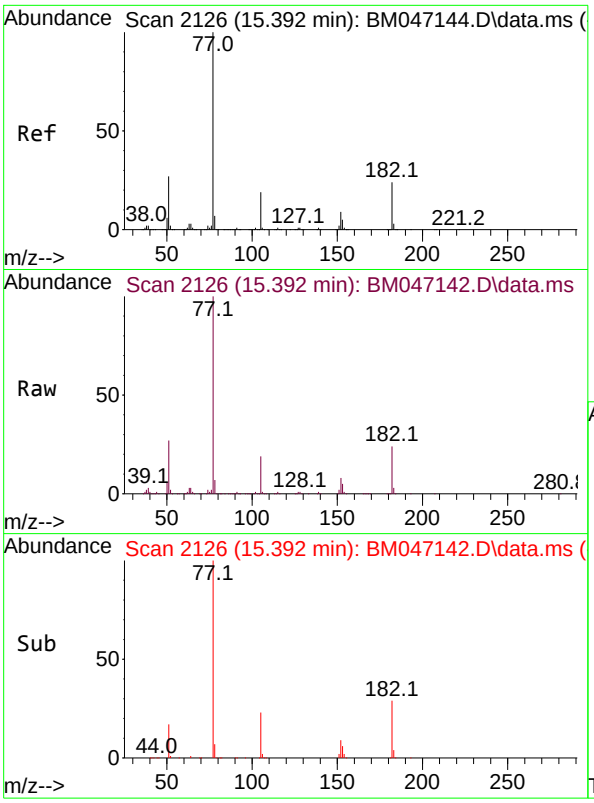


#62
4-Nitroaniline
Concen: 10.065 ng m
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:138 Resp: 127938

Ion	Ratio	Lower	Upper
138	100		
92	54.7	31.9	71.9
108	83.4	63.8	103.8



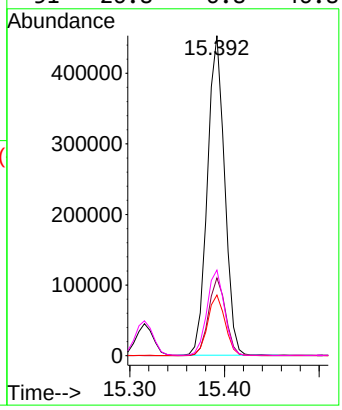


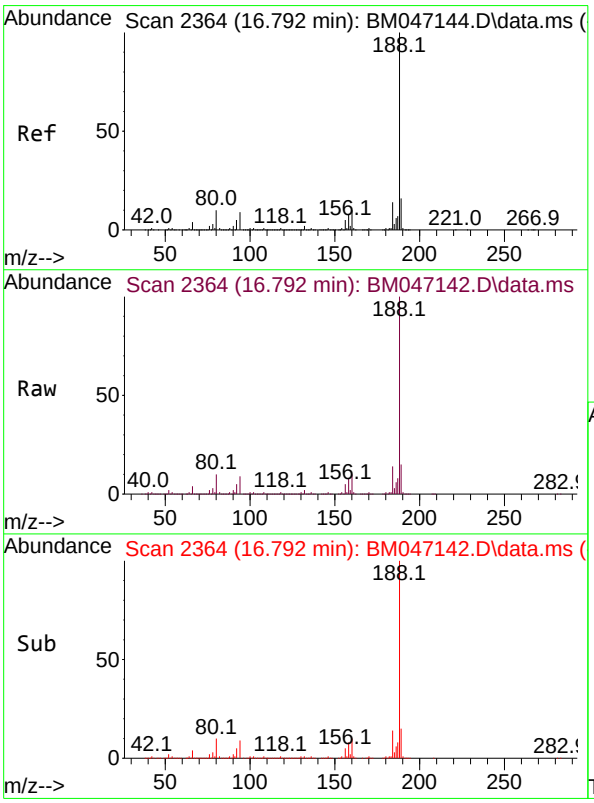
#63
Azobenzene
Concen: 10.685 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 569823

Ion	Ratio	Lower	Upper
77	100		
182	24.3	3.8	43.8
105	18.9	0.0	39.5
51	26.8	6.8	46.8

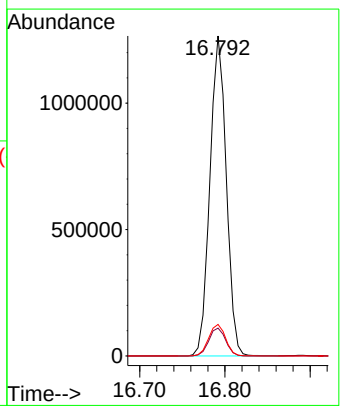


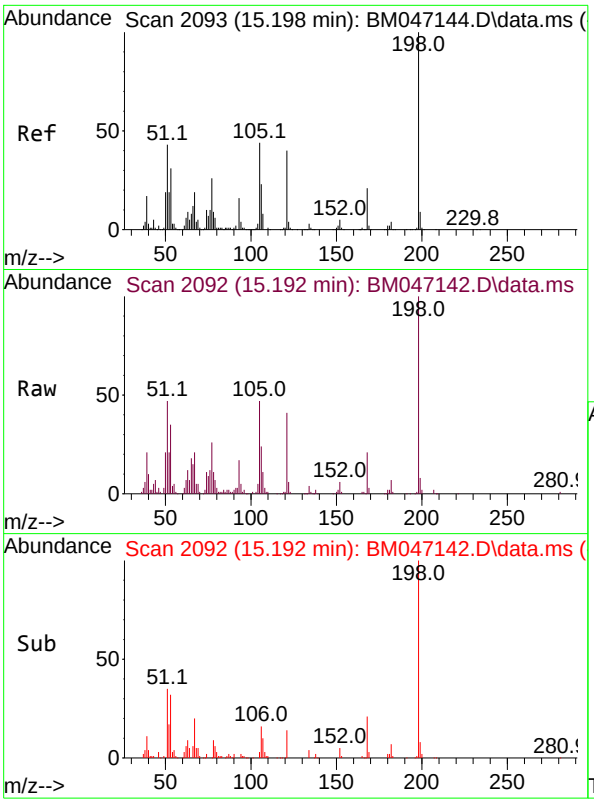


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:188 Resp: 1690400

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.0	10.6
80	9.9	8.0	12.0



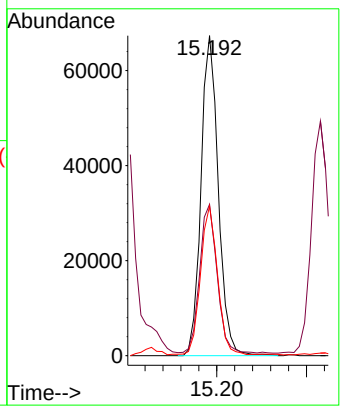


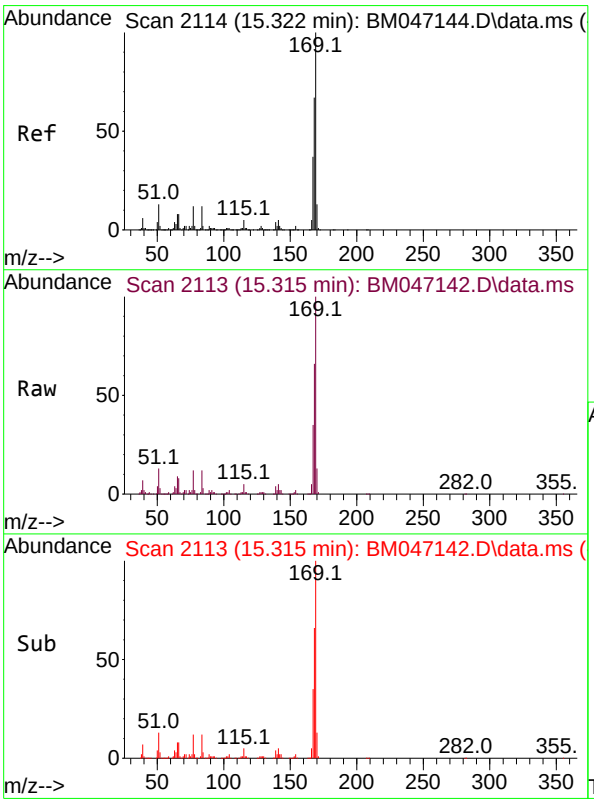
#65
4,6-Dinitro-2-methylphenol
Concen: 9.095 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 90017

Ion	Ratio	Lower	Upper
198	100		
51	47.3	23.9	63.9
105	46.8	24.3	64.3

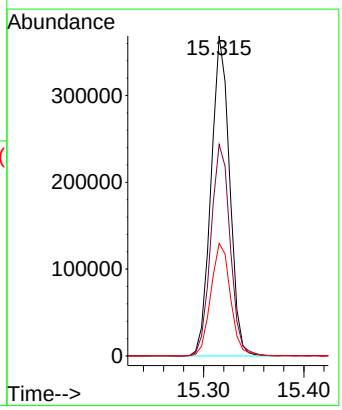


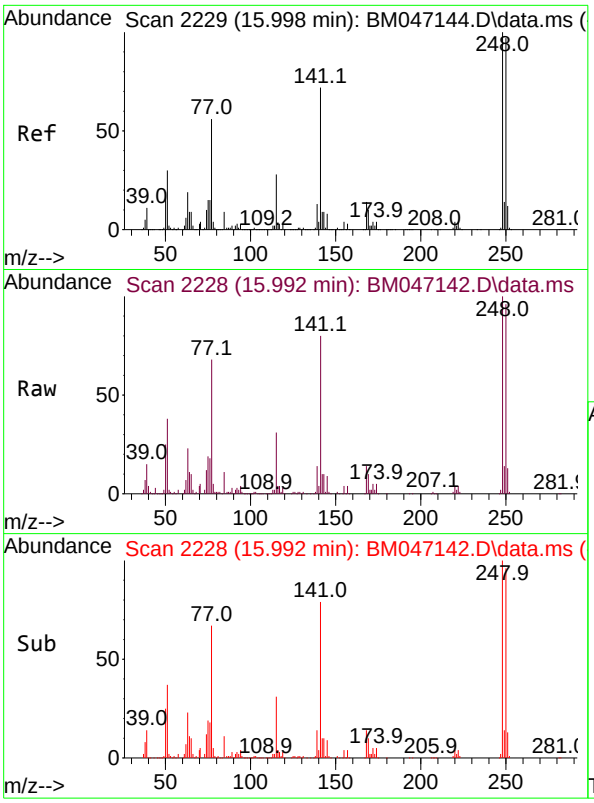


#66
n-Nitrosodiphenylamine
Concen: 10.289 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:169 Resp: 473749

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.8	80.8
167	35.2	29.3	43.9



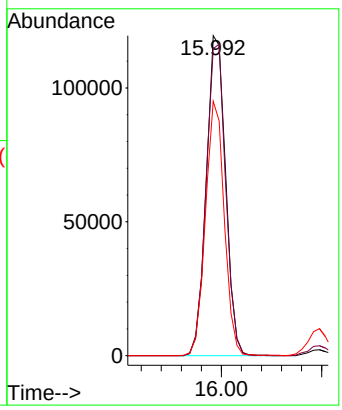


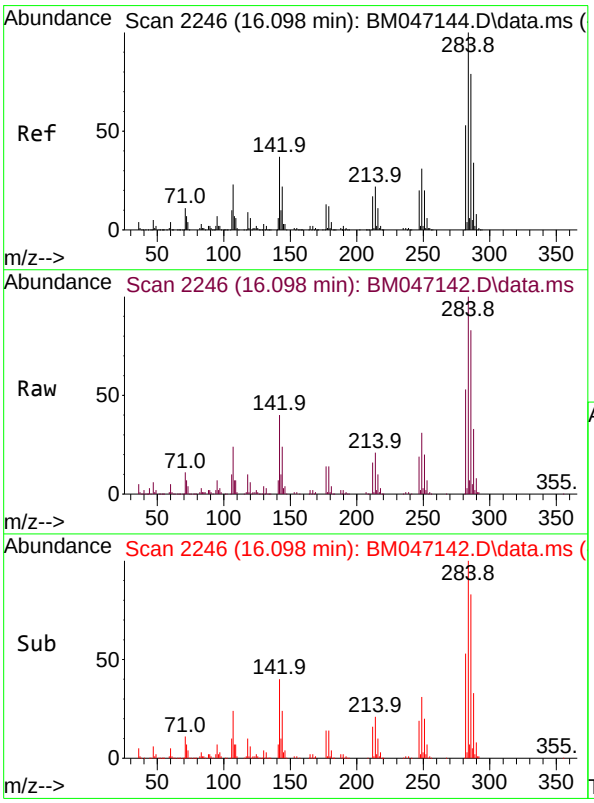
#67
4-Bromophenyl-phenylether
Concen: 9.845 ng
RT: 15.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 160370

Ion	Ratio	Lower	Upper
248	100		
250	95.9	77.8	116.8
141	79.5	57.7	86.5

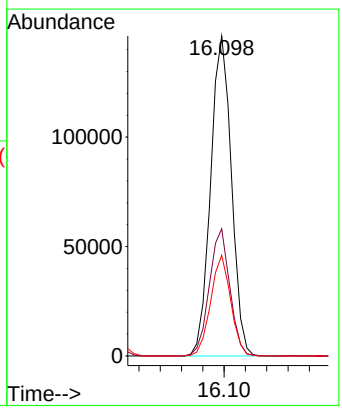


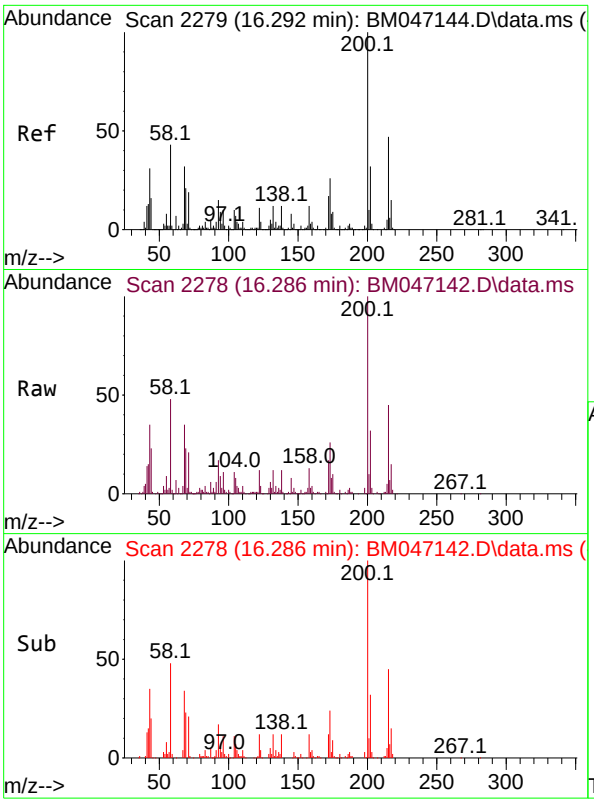


#68
Hexachlorobenzene
Concen: 10.157 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:284 Resp: 198141

Ion	Ratio	Lower	Upper
284	100		
142	39.7	29.4	44.0
249	31.4	25.1	37.7



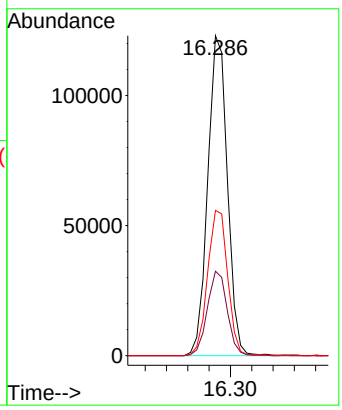


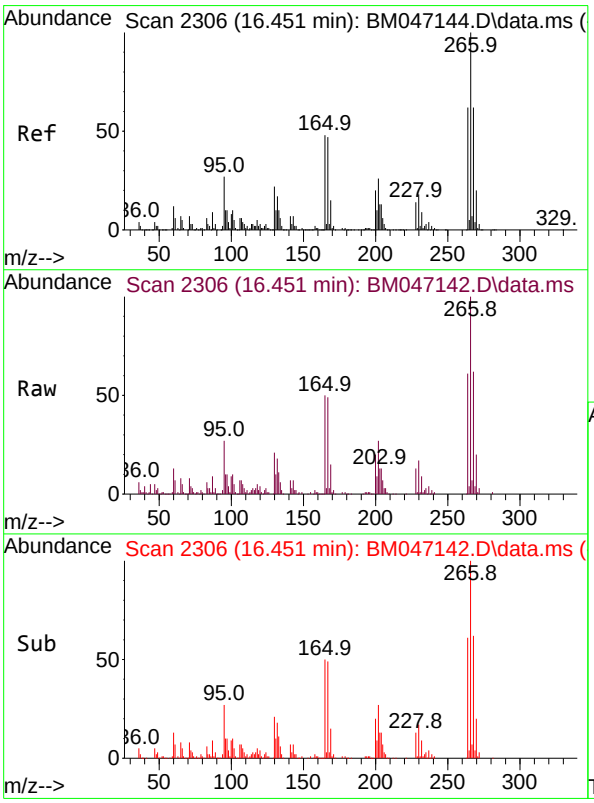
#69
Atrazine
Concen: 11.344 ng
RT: 16.286 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 157170

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.1	46.1
215	45.4	26.8	66.8

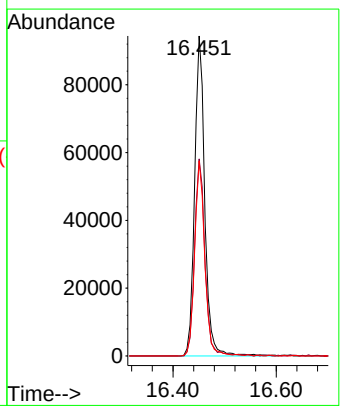


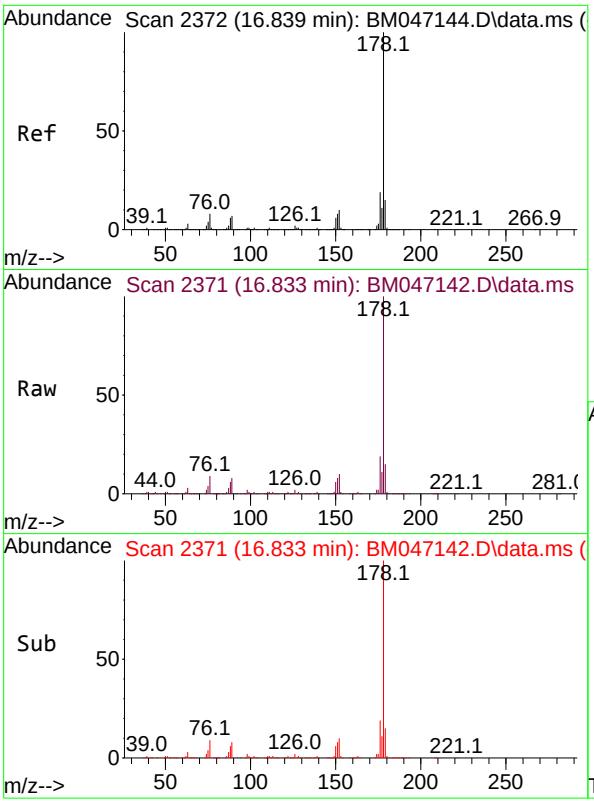


#70
Pentachlorophenol
Concen: 9.411 ng
RT: 16.451 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:266 Resp: 128691

Ion	Ratio	Lower	Upper
266	100		
268	61.6	49.8	74.6
264	61.0	49.6	74.4



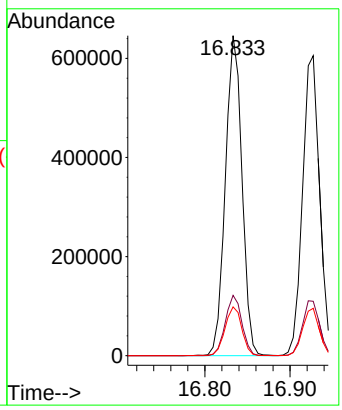


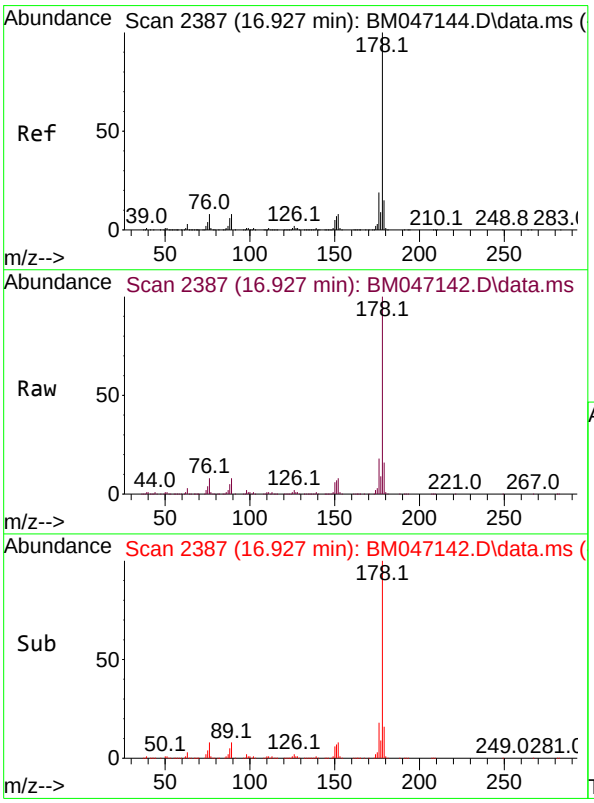
#71
Phenanthrene
Concen: 10.313 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 874873

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.4	18.6

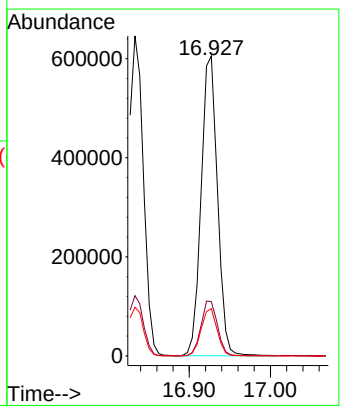


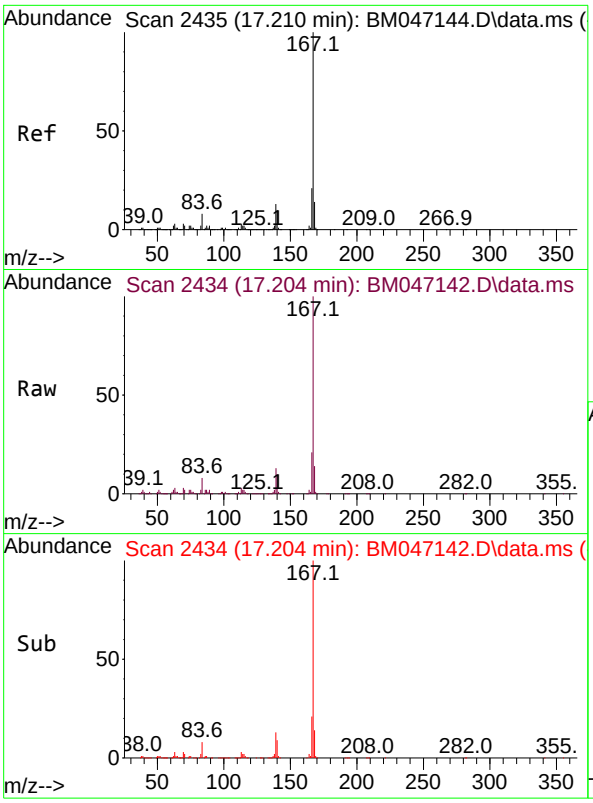


#72
Anthracene
Concen: 10.243 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:178 Resp: 845520

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.8	12.4	18.6



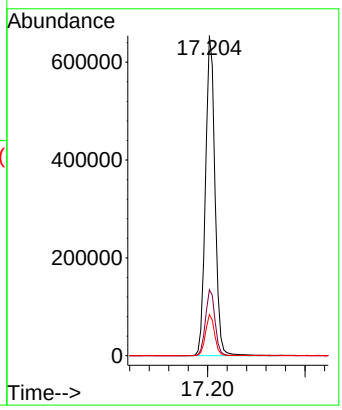


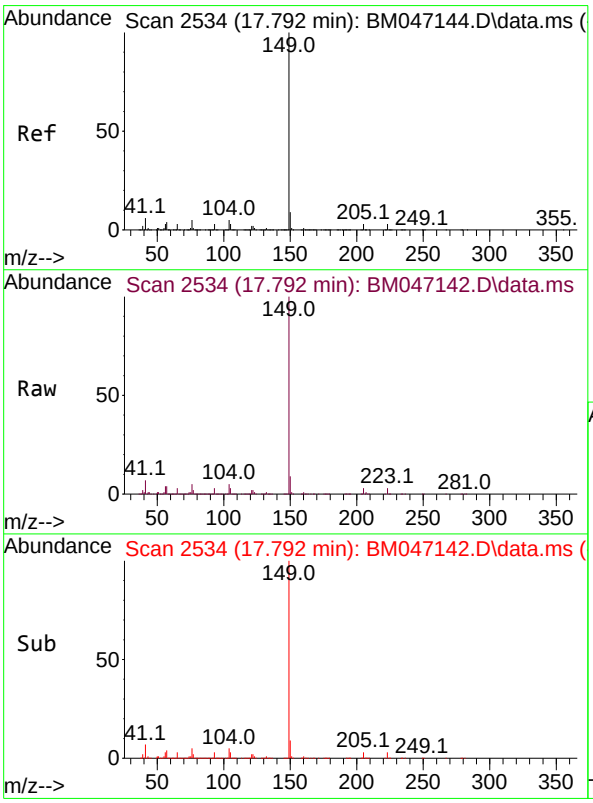
#73
Carbazole
Concen: 10.437 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 879612

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.1	25.7
139	12.8	10.0	15.0

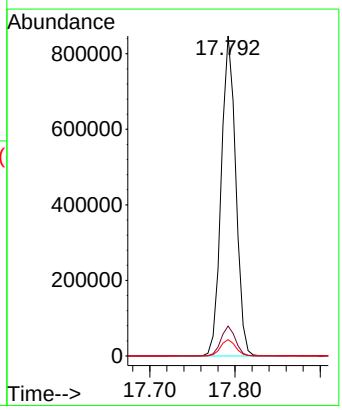


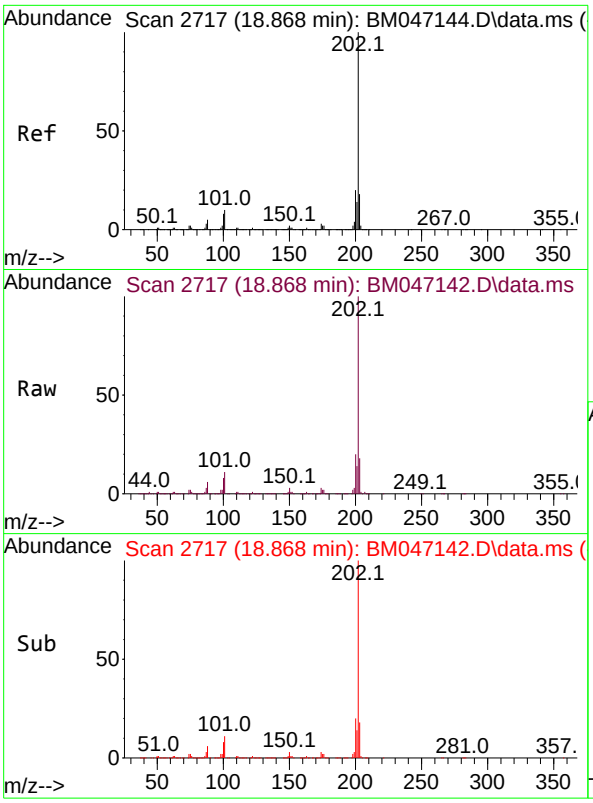


#74
Di-n-butylphthalate
Concen: 10.231 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 1003294

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1



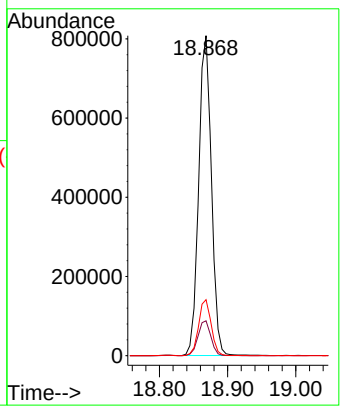


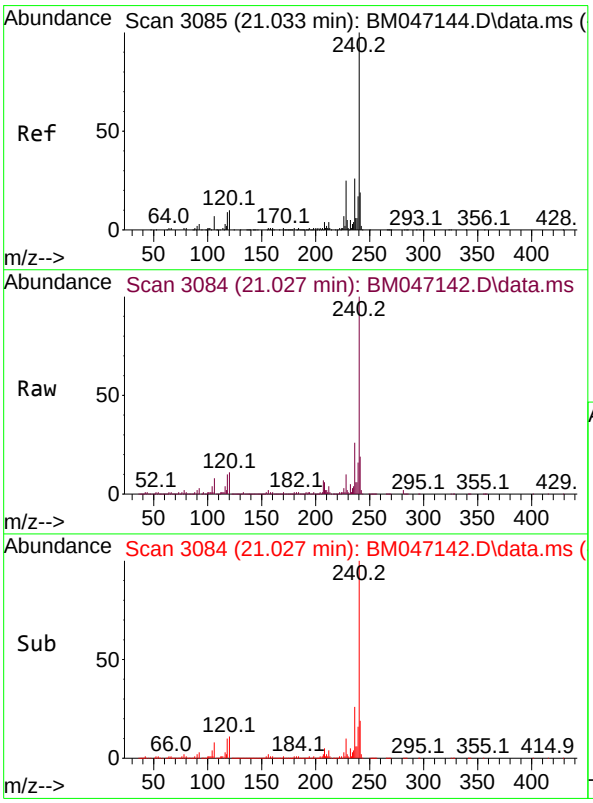
#75
Fluoranthene
Concen: 10.152 ng
RT: 18.868 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 1047590

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.2
203	17.5	0.0	37.6

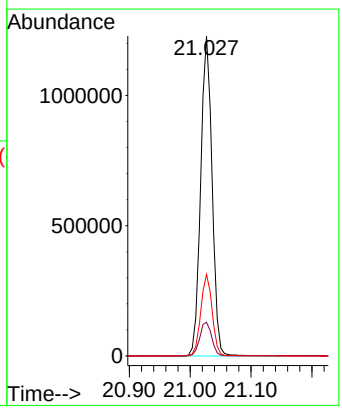


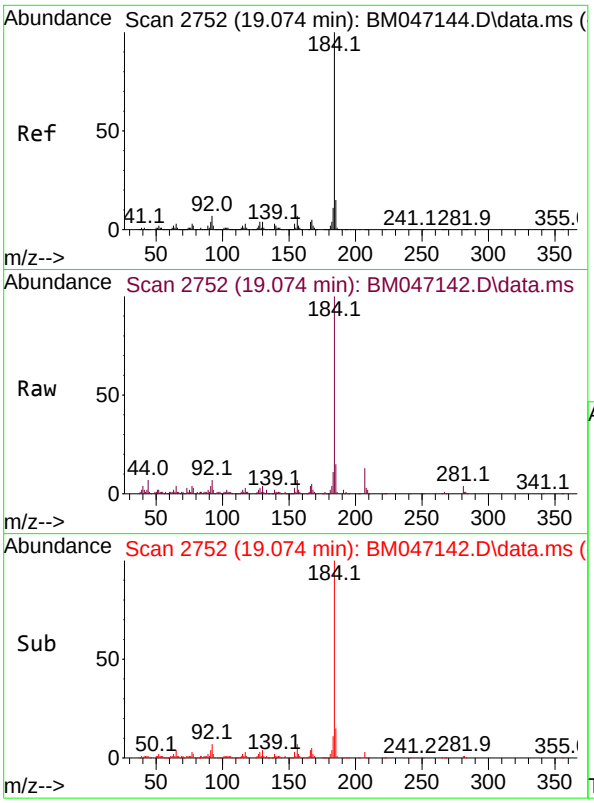


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:240 Resp: 1593166

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.5	20.6	30.8



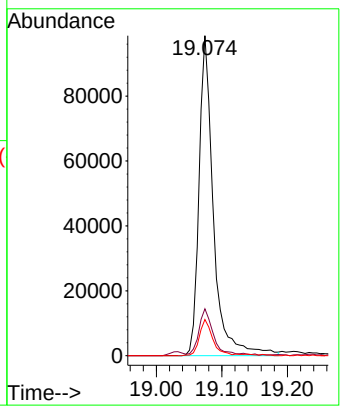


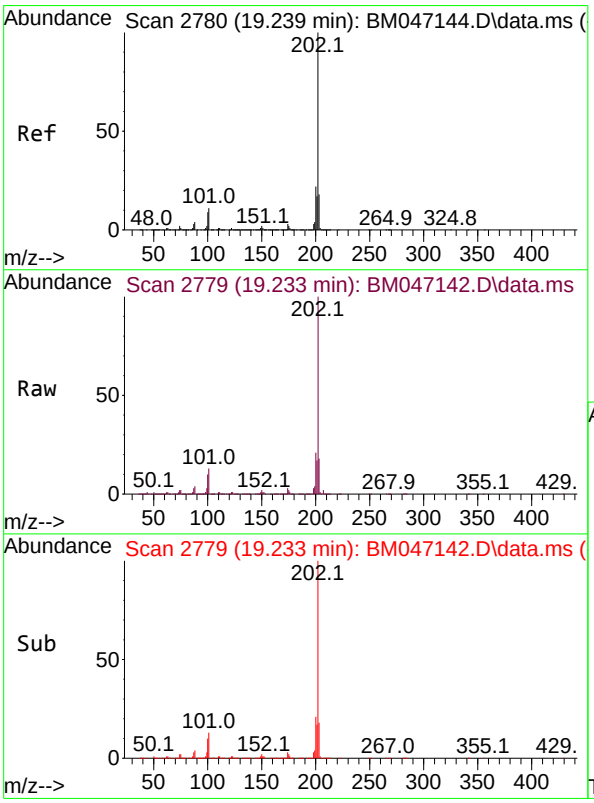
#77
Benzidine
Concen: 5.602 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 151348

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.3	9.0	13.6

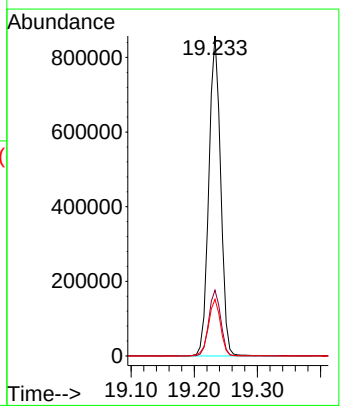


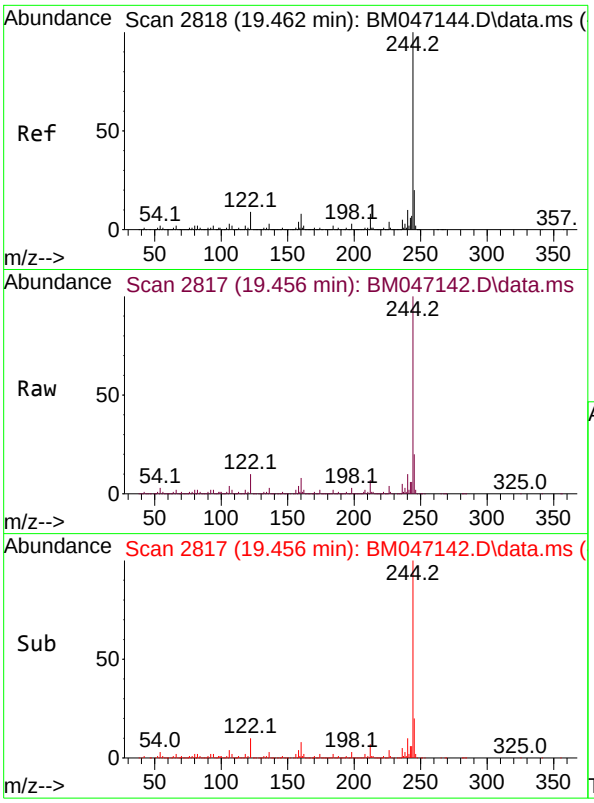


#78
Pyrene
Concen: 9.792 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:202 Resp: 1113925

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	17.7	14.2	21.2



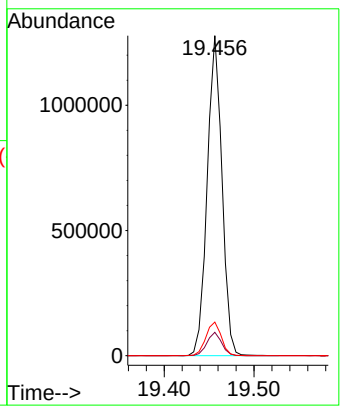


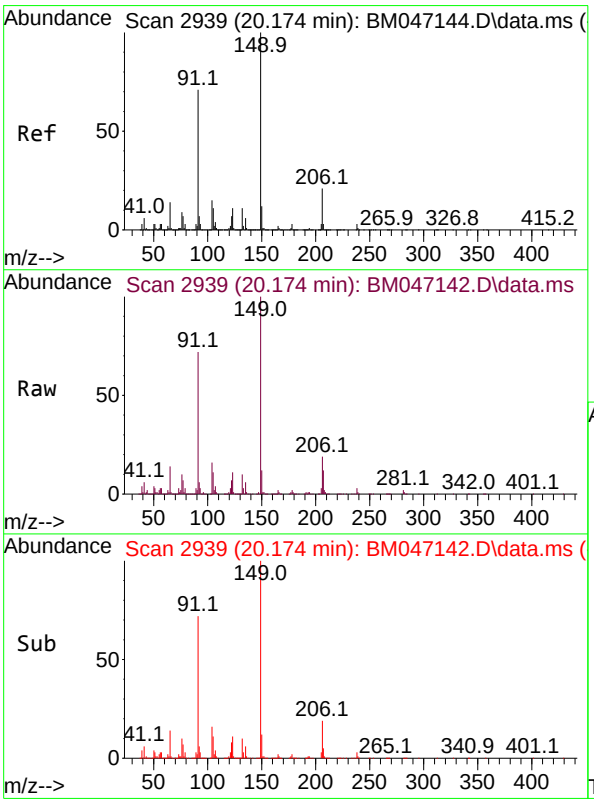
#79
Terphenyl-d14
Concen: 19.636 ng
RT: 19.456 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1459931

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	10.5	7.1	10.7

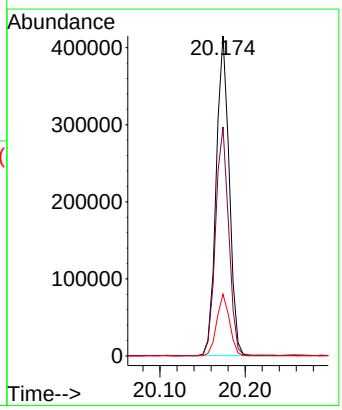


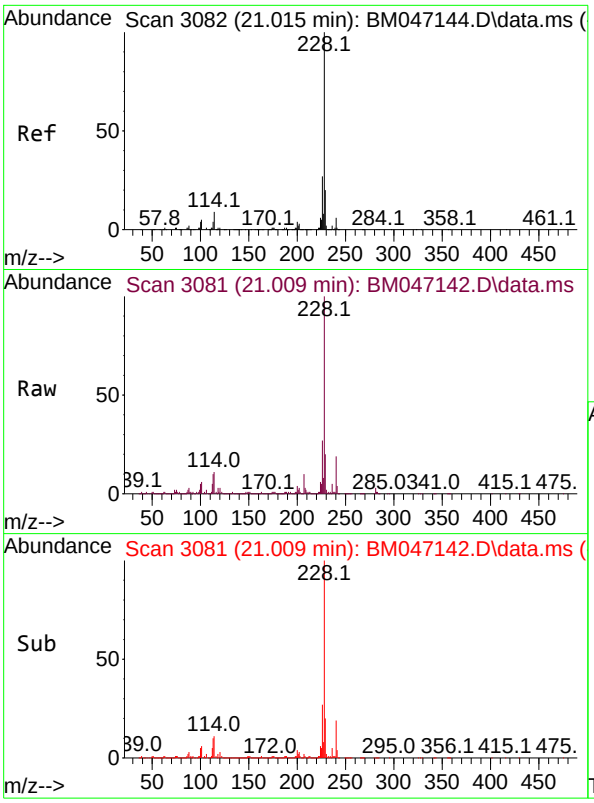


#80
Butylbenzylphthalate
Concen: 9.467 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 439513

Ion	Ratio	Lower	Upper
149	100		
91	71.5	57.0	85.4
206	19.3	16.4	24.6



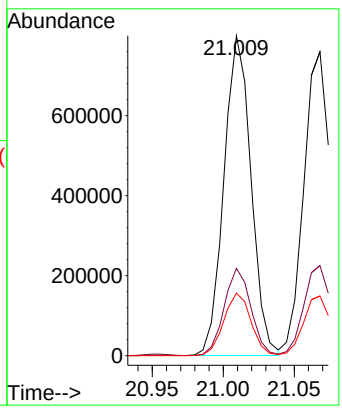


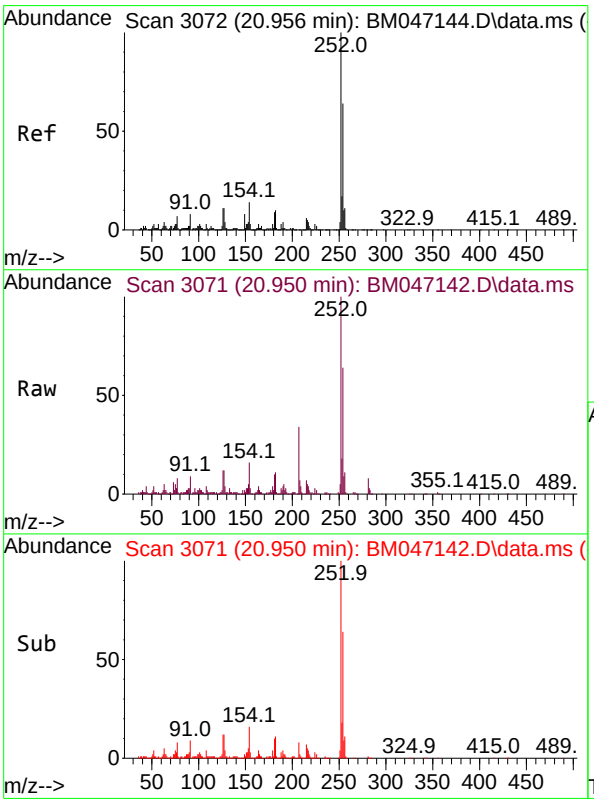
#81
Benzo(a)anthracene
Concen: 10.026 ng
RT: 21.009 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1060395

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.6
229	19.6	15.8	23.8

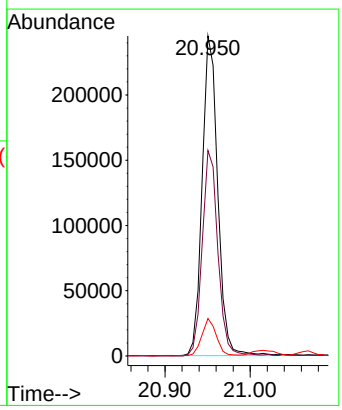


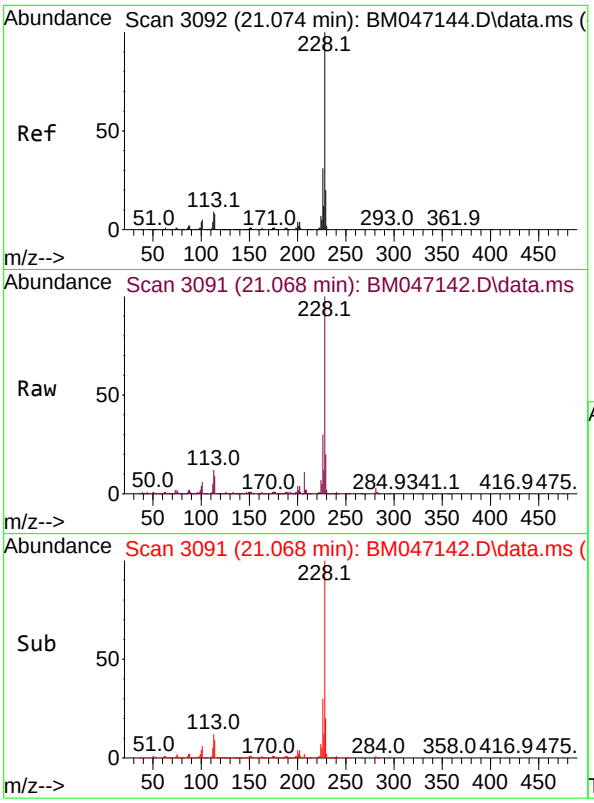


#82
3,3'-Dichlorobenzidine
Concen: 9.398 ng
RT: 20.950 min Scan# 3071
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:252 Resp: 311004

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.0	76.6
126	11.7	8.5	12.7



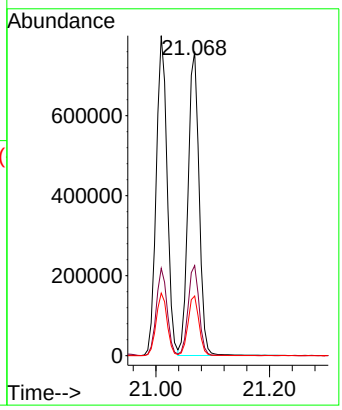


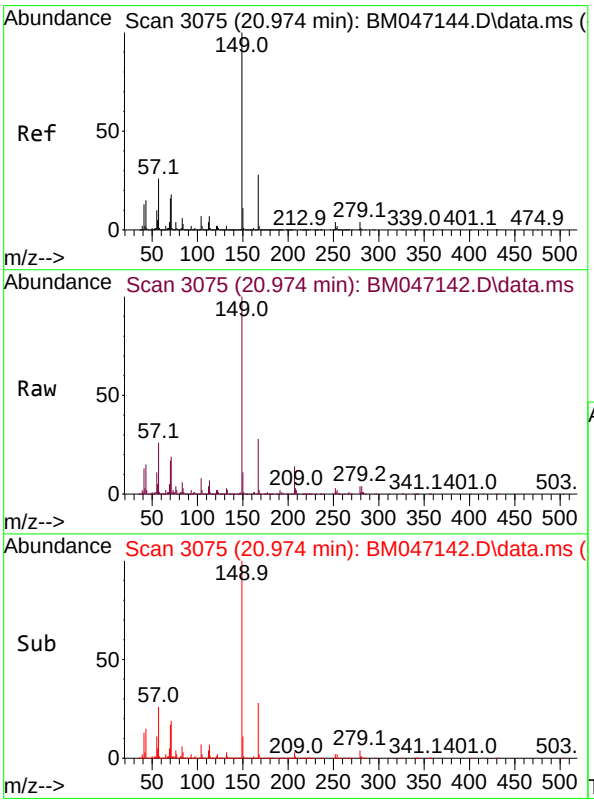
#83
Chrysene
Concen: 10.188 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1022315

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	19.7	15.7	23.5

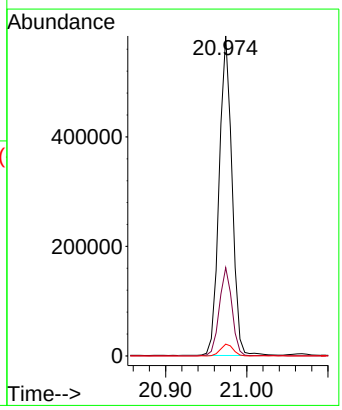


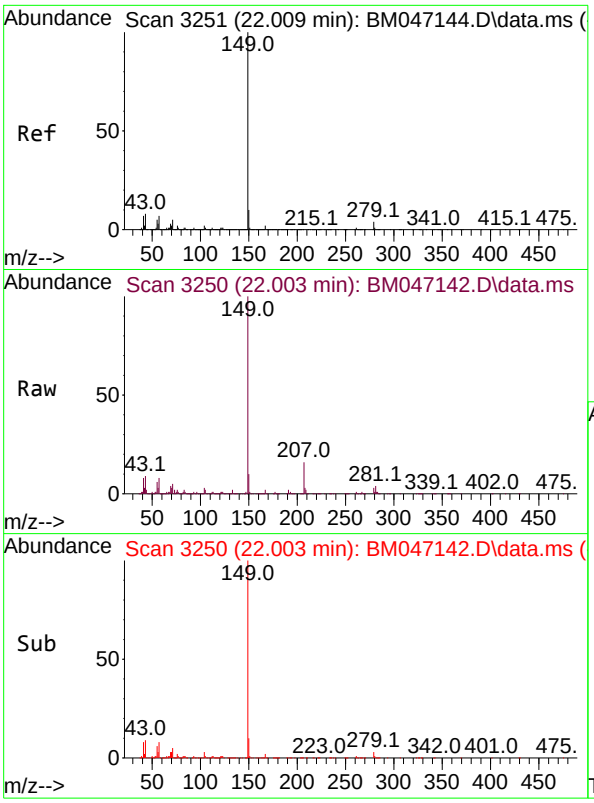


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.777 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 643719

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.2
279	3.7	3.0	4.4



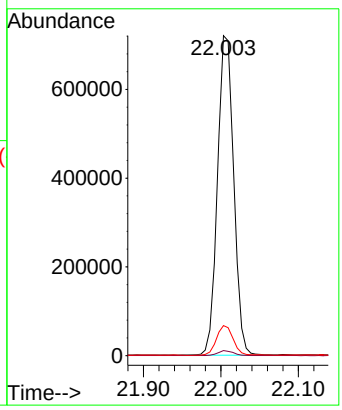


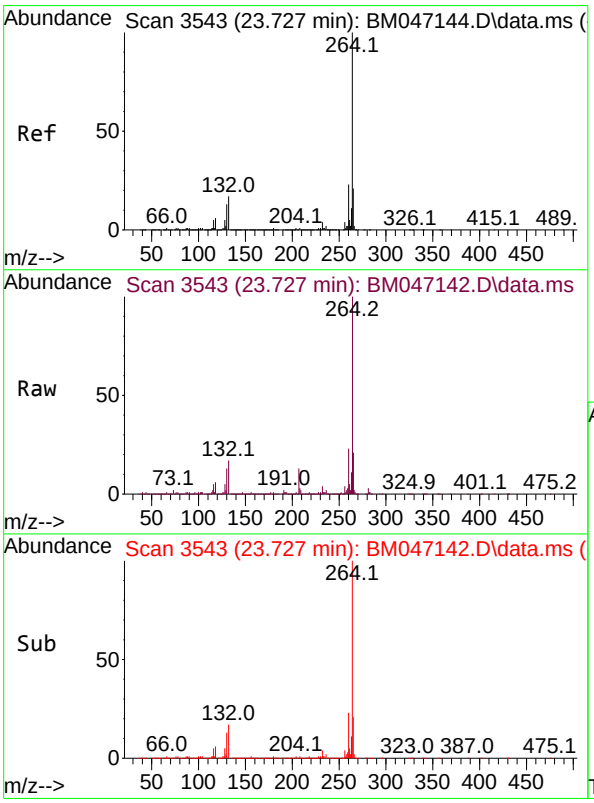
#85
Di-n-octyl phthalate
Concen: 9.368 ng
RT: 22.003 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 1048294

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.5	6.9	10.3

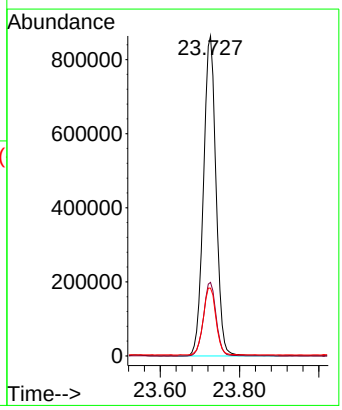


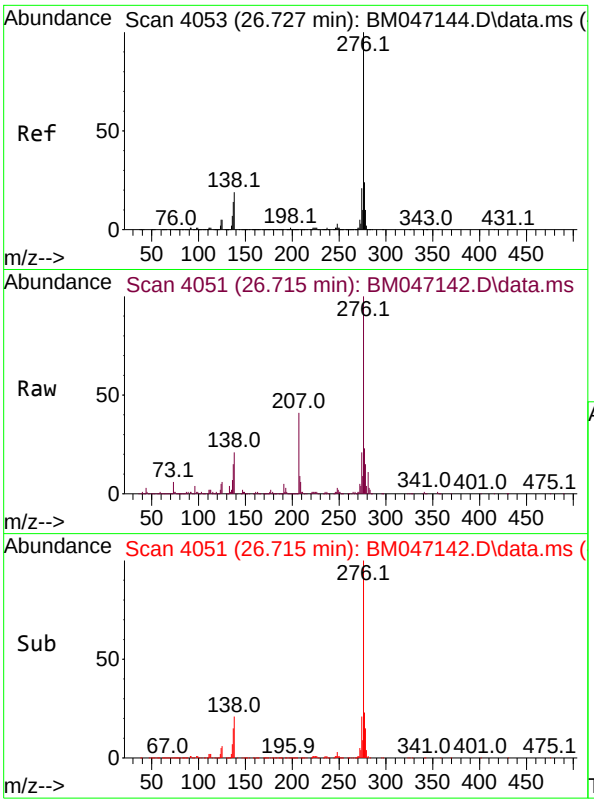


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:264 Resp: 1901592

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.2	17.3	25.9



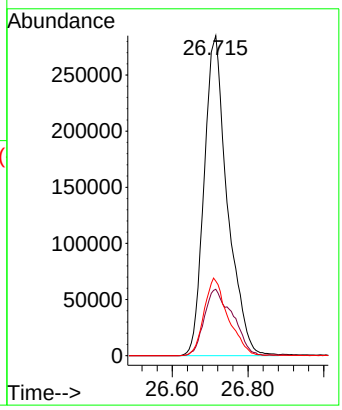


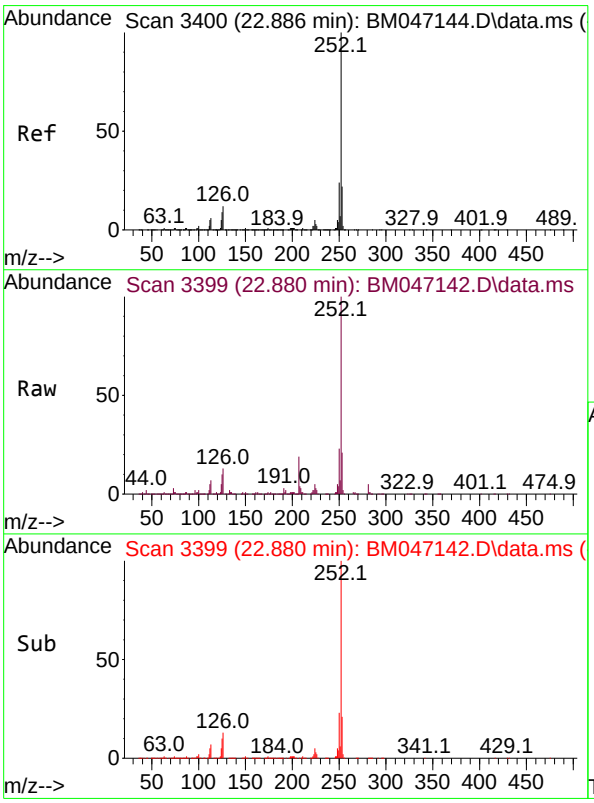
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.899 ng
RT: 26.715 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 1216673

Ion	Ratio	Lower	Upper
276	100		
138	25.4	19.4	29.0
277	25.0	20.1	30.1

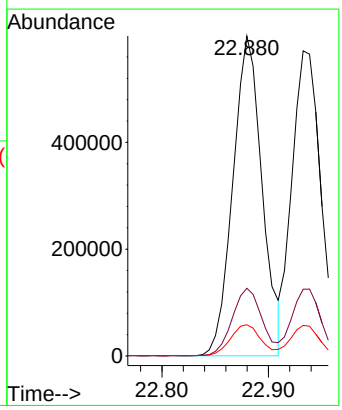


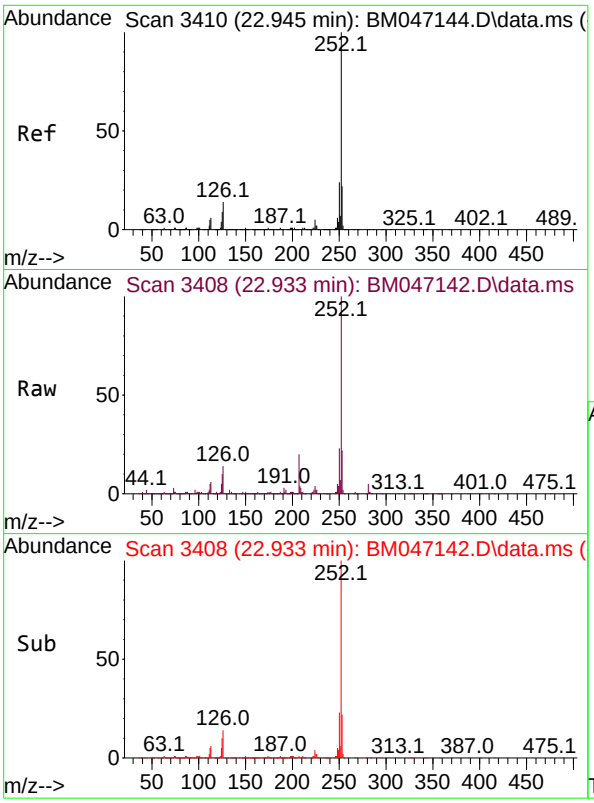


#88
Benzo(b)fluoranthene
Concen: 10.100 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:252 Resp: 1140578

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.6
125	9.7	7.4	11.0



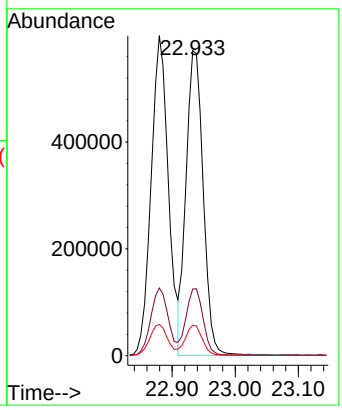


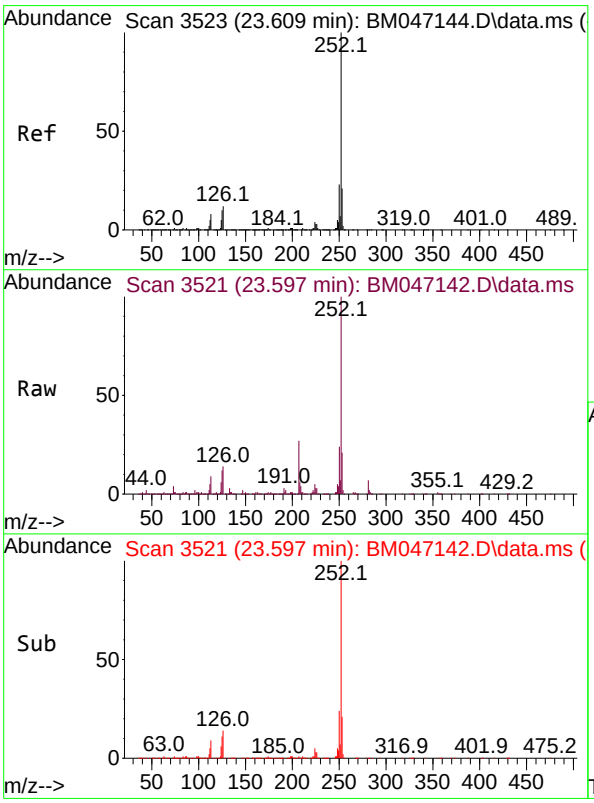
#89
Benzo(k)fluoranthene
Concen: 10.108 ng
RT: 22.933 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 1078126

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.0	7.4	11.2

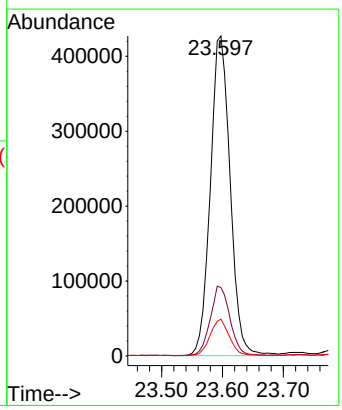


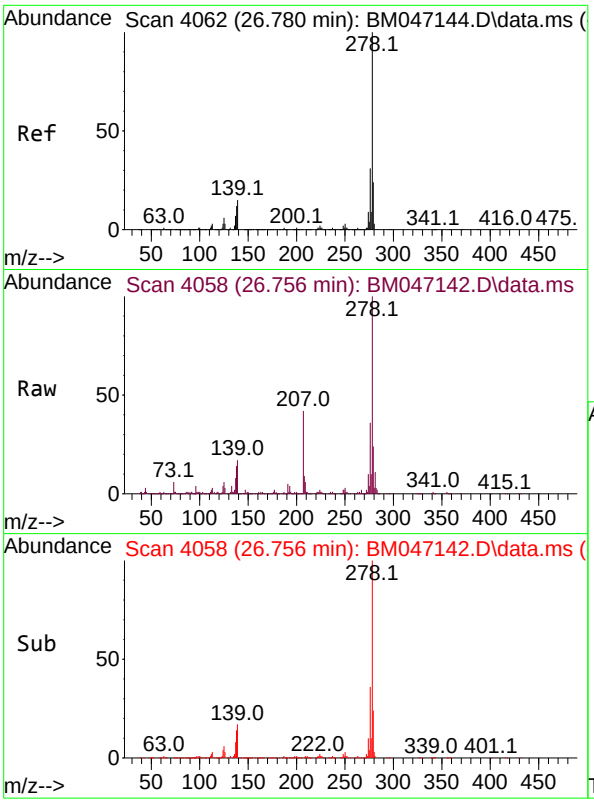


#90
Benzo(a)pyrene
Concen: 9.865 ng
RT: 23.597 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:252 Resp: 965036

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	11.5	8.2	12.2



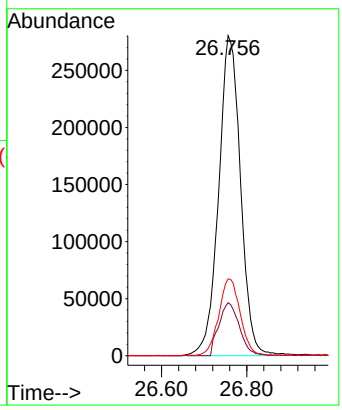


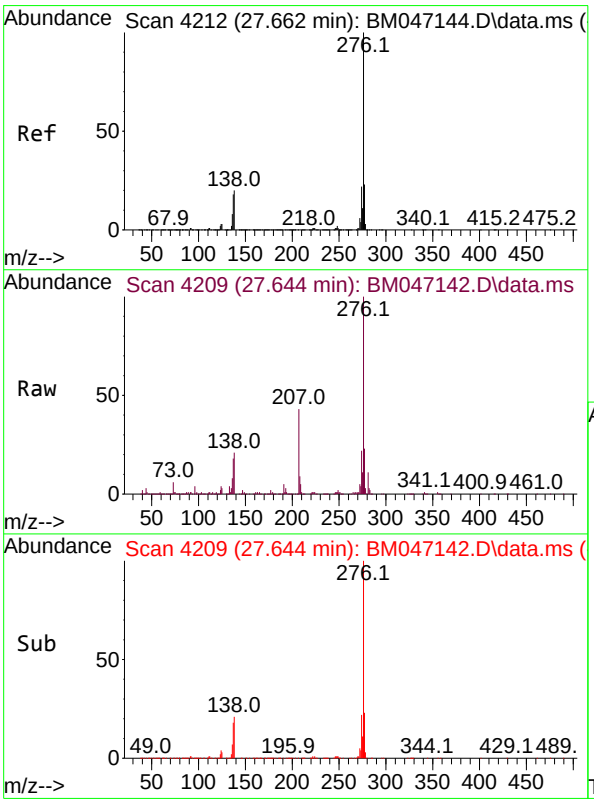
#91
Dibenzo(a,h)anthracene
Concen: 10.051 ng
RT: 26.756 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 999745

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.0	18.0
279	24.0	19.2	28.8

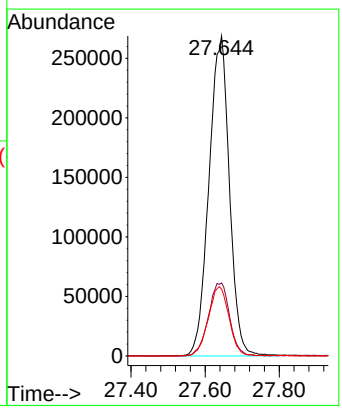




#92
Benzo(g,h,i)perylene
Concen: 9.964 ng
RT: 27.644 min Scan# 4209
Delta R.T. -0.018 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:276 Resp: 1029079

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.8	28.2
138	20.9	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047143.D
Acq On : 10 Aug 2024 15:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Aug 11 23:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	264468	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1115607	20.000	ng		0.00
39) Acenaphthene-d10	14.034	164	747989	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1595663	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1449202	20.000	ng		0.00
86) Perylene-d12	23.727	264	1737656	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	633062	42.772	ng		0.00
7) Phenol-d6	6.581	99	873552	42.833	ng		0.00
23) Nitrobenzene-d5	8.522	82	936280	42.259	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	371649	42.851	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	1998004	41.204	ng		0.00
79) Terphenyl-d14	19.457	244	2776457	41.052	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	131017	21.364	ng		99
3) Pyridine	3.411	79	385480	21.451	ng		99
4) n-Nitrosodimethylamine	3.328	42	166470	21.188	ng	#	94
6) Aniline	6.722	93	418736	21.723	ng		99
8) 2-Chlorophenol	6.952	128	350051	21.684	ng		99
9) Benzaldehyde	6.540	77	270923	21.095	ng		98
10) Phenol	6.610	94	434987	21.375	ng		99
11) bis(2-Chloroethyl)ether	6.822	93	372085	21.351	ng		99
12) 1,3-Dichlorobenzene	7.263	146	406387	21.185	ng		100
13) 1,4-Dichlorobenzene	7.410	146	413095	21.269	ng		98
14) 1,2-Dichlorobenzene	7.716	146	400406	21.850	ng		99
15) Benzyl Alcohol	7.622	79	314490	21.667	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.904	45	491561	21.956	ng		99
17) 2-Methylphenol	7.834	107	294855	21.718	ng		99
18) Hexachloroethane	8.428	117	158678	21.091	ng		99
19) n-Nitroso-di-n-propyla...	8.181	70	300944	21.907	ng		97
20) 3+4-Methylphenols	8.157	107	415106	21.871	ng		97
22) Acetophenone	8.193	105	569010	21.130	ng		99
24) Nitrobenzene	8.563	77	477014	21.382	ng		97
25) Isophorone	9.087	82	816407	21.163	ng		99
26) 2-Nitrophenol	9.263	139	201069	20.351	ng		98
27) 2,4-Dimethylphenol	9.346	122	242158	20.924	ng		100
28) bis(2-Chloroethoxy)met...	9.575	93	511416	21.069	ng		99
29) 2,4-Dichlorophenol	9.793	162	354907	20.667	ng		98
30) 1,2,4-Trichlorobenzene	9.998	180	400292	20.598	ng		99
31) Naphthalene	10.181	128	1162115	20.911	ng		99
32) Benzoic acid	9.487	122	267804	19.806	ng		98
33) 4-Chloroaniline	10.304	127	455929	21.333	ng		100
34) Hexachlorobutadiene	10.463	225	230475	20.262	ng		99
35) Caprolactam	11.098	113	124776	20.923	ng		100
36) 4-Chloro-3-methylphenol	11.451	107	386762	21.148	ng		100
37) 2-Methylnaphthalene	11.804	142	828088	20.927	ng		100
38) 1-Methylnaphthalene	12.028	142	819798	20.963	ng		98
40) 1,2,4,5-Tetrachloroben...	12.187	216	414428	20.313	ng		99
41) Hexachlorocyclopentadiene	12.163	237	142951	20.066	ng		100
43) 2,4,6-Trichlorophenol	12.445	196	294494	20.309	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047143.D
Acq On : 10 Aug 2024 15:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Aug 11 23:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	327981	20.371	ng	98
46) 1,1'-Biphenyl	12.851	154	1106359	20.776	ng	98
47) 2-Chloronaphthalene	12.887	162	879955	21.142	ng	99
48) 2-Nitroaniline	13.110	65	274398	21.044	ng	96
49) Acenaphthylene	13.745	152	1295508	21.117	ng	99
50) Dimethylphthalate	13.510	163	1098249	21.023	ng	100
51) 2,6-Dinitrotoluene	13.628	165	252319	20.662	ng	99
52) Acenaphthene	14.098	154	812631	20.882	ng	99
53) 3-Nitroaniline	13.957	138	257120	21.012	ng	98
54) 2,4-Dinitrophenol	14.175	184	138230	18.886	ng	99
55) Dibenzofuran	14.439	168	1292618	21.028	ng	98
56) 4-Nitrophenol	14.292	139	219007	20.755	ng	97
57) 2,4-Dinitrotoluene	14.422	165	343833	21.094	ng	96
58) Fluorene	15.092	166	1066342	21.024	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.675	232	275845	20.846	ng	98
60) Diethylphthalate	14.892	149	1126281	21.113	ng	98
61) 4-Chlorophenyl-phenyle...	15.098	204	496242	20.551	ng	100
62) 4-Nitroaniline	15.128	138	258531m	21.445	ng	
63) Azobenzene	15.392	77	1090035	21.550	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	191622	20.511	ng	97
66) n-Nitrosodiphenylamine	15.316	169	914838	21.049	ng	99
67) 4-Bromophenyl-phenylether	15.998	248	316488	20.583	ng	99
68) Hexachlorobenzene	16.098	284	382395	20.765	ng	99
69) Atrazine	16.286	200	290743	22.231	ng	99
70) Pentachlorophenol	16.451	266	263728	20.430	ng	99
71) Phenanthrene	16.833	178	1652375	20.634	ng	100
72) Anthracene	16.927	178	1637902	21.021	ng	100
73) Carbazole	17.204	167	1678200	21.094	ng	99
74) Di-n-butylphthalate	17.792	149	1951166	21.077	ng	99
75) Fluoranthene	18.868	202	2002438	20.558	ng	99
77) Benzidine	19.074	184	541138	22.019	ng	99
78) Pyrene	19.233	202	2091746	20.215	ng	99
80) Butylbenzylphthalate	20.174	149	869066	20.580	ng	98
81) Benzo(a)anthracene	21.010	228	1977415	20.554	ng	100
82) 3,3'-Dichlorobenzidine	20.957	252	636034	21.130	ng	98
83) Chrysene	21.068	228	1885561	20.657	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	1257178	20.992	ng	99
85) Di-n-octyl phthalate	22.009	149	2072238	20.358	ng	99
87) Indeno(1,2,3-cd)pyrene	26.715	276	2373808	21.135	ng	99
88) Benzo(b)fluoranthene	22.880	252	2123837	20.581	ng	99
89) Benzo(k)fluoranthene	22.939	252	2041826	20.948	ng	99
90) Benzo(a)pyrene	23.598	252	1851508	20.712	ng	99
91) Dibenzo(a,h)anthracene	26.768	278	1944551	21.393	ng	99
92) Benzo(g,h,i)perylene	27.644	276	2020018	21.405	ng	99

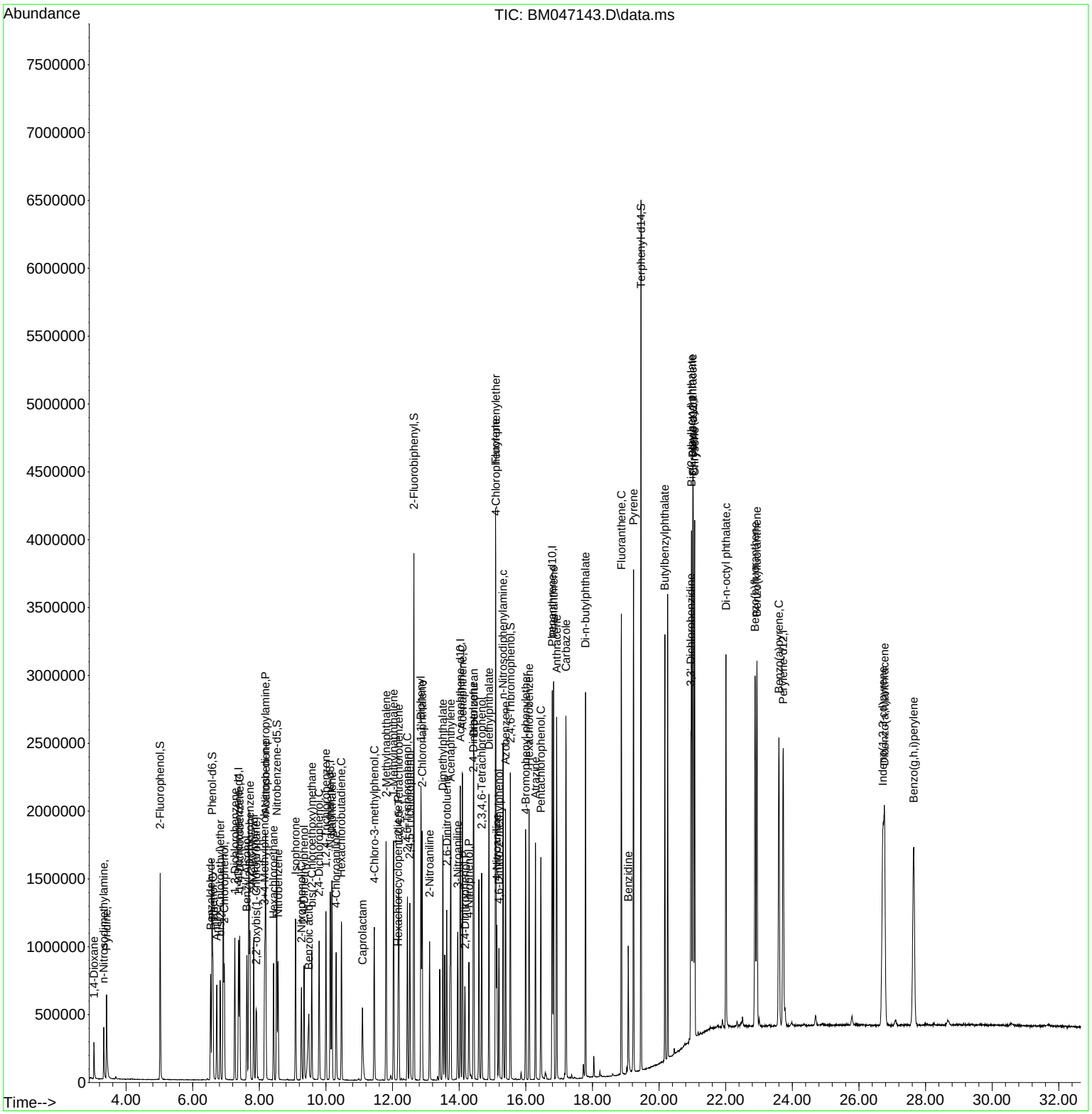
(#) = qualifier out of range (m) = manual integration (+) = signals summed

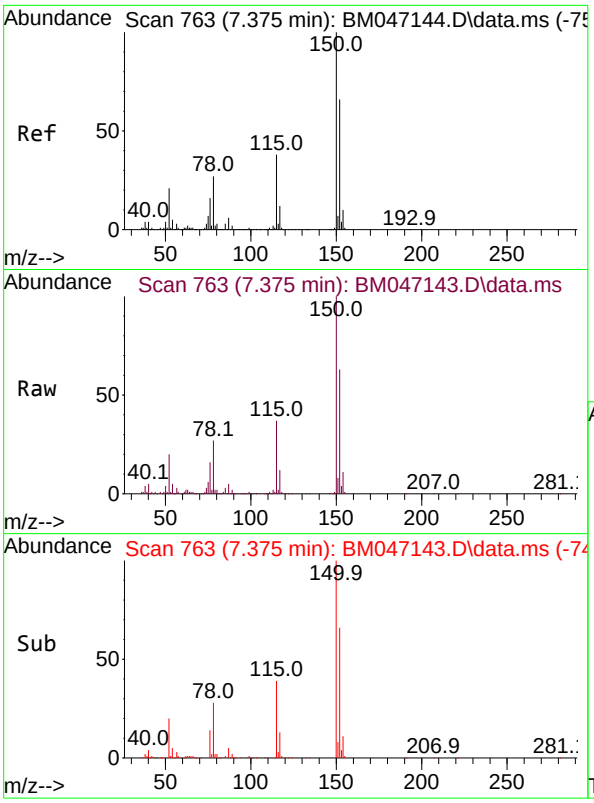
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047143.D
Acq On : 10 Aug 2024 15:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Aug 11 23:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



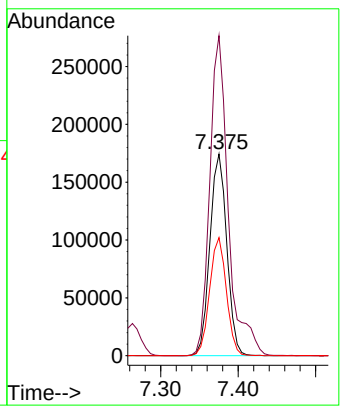


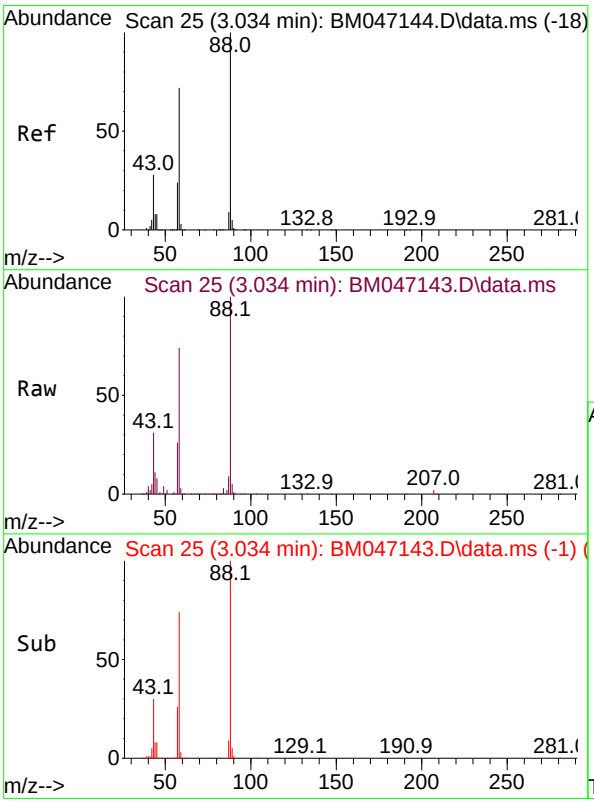
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 264468

Ion	Ratio	Lower	Upper
152	100		
150	158.7	120.5	180.7
115	58.6	45.5	68.3

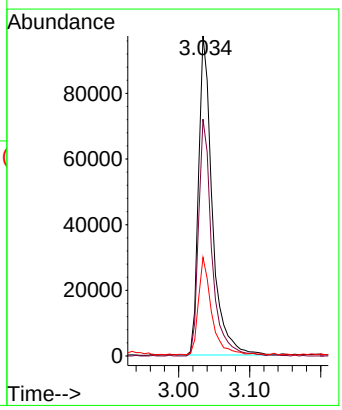


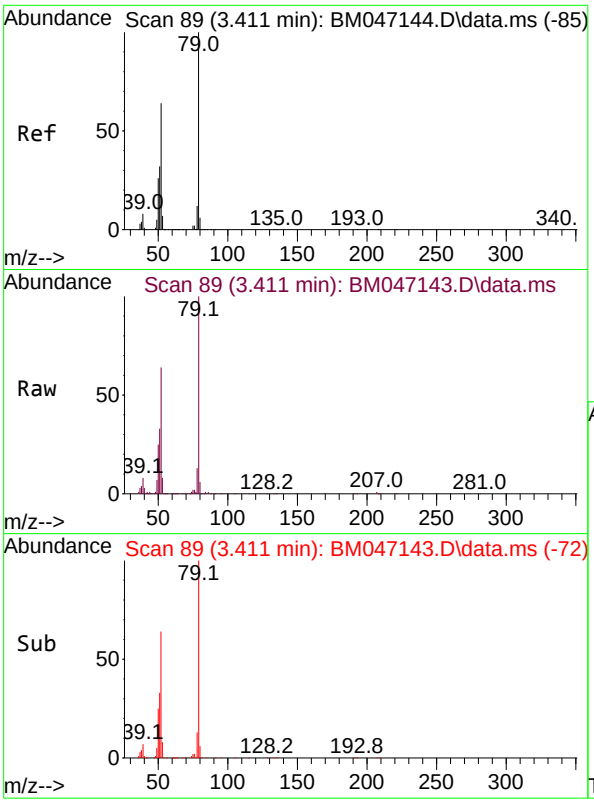


#2
1,4-Dioxane
Concen: 21.364 ng
RT: 3.034 min Scan# 25
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 88 Resp: 131017

Ion	Ratio	Lower	Upper
88	100		
58	72.4	58.2	87.4
43	29.1	22.5	33.7



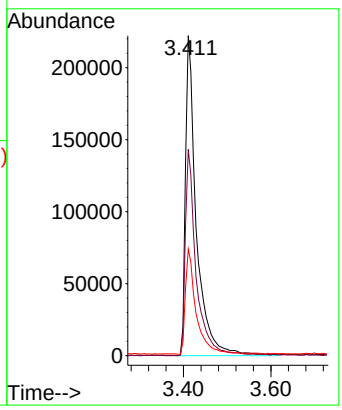


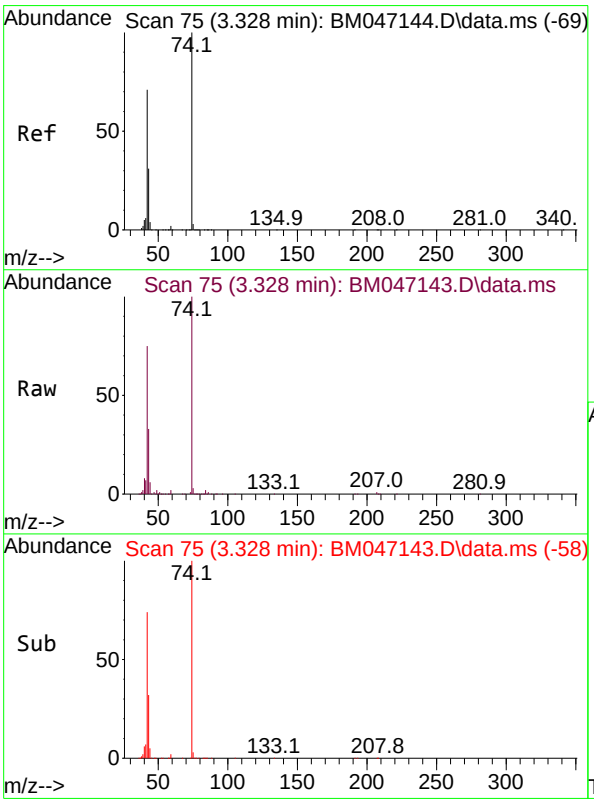
#3
Pyridine
Concen: 21.451 ng
RT: 3.411 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 385480

Ion	Ratio	Lower	Upper
79	100		
52	64.5	51.2	76.8
51	33.3	26.1	39.1

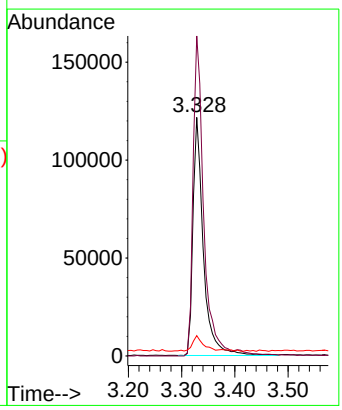


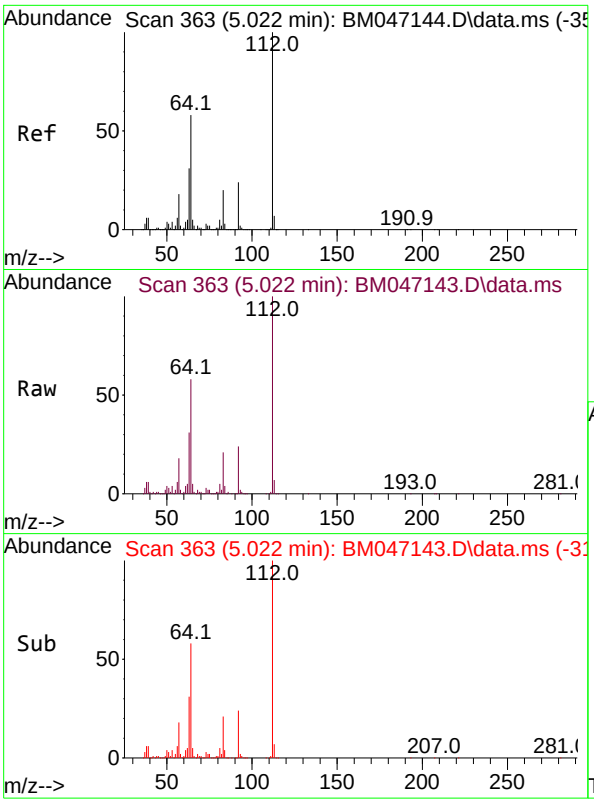


#4
n-Nitrosodimethylamine
Concen: 21.188 ng
RT: 3.328 min Scan# 75
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 42 Resp: 166470

Ion	Ratio	Lower	Upper
42	100		
74	134.1	112.9	169.3
44	8.5	5.3	7.9#



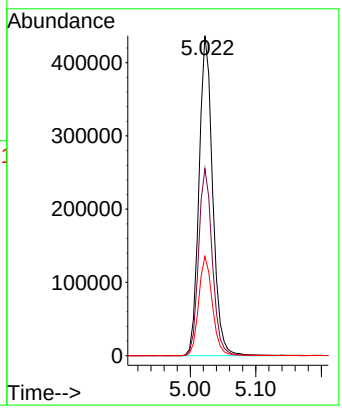


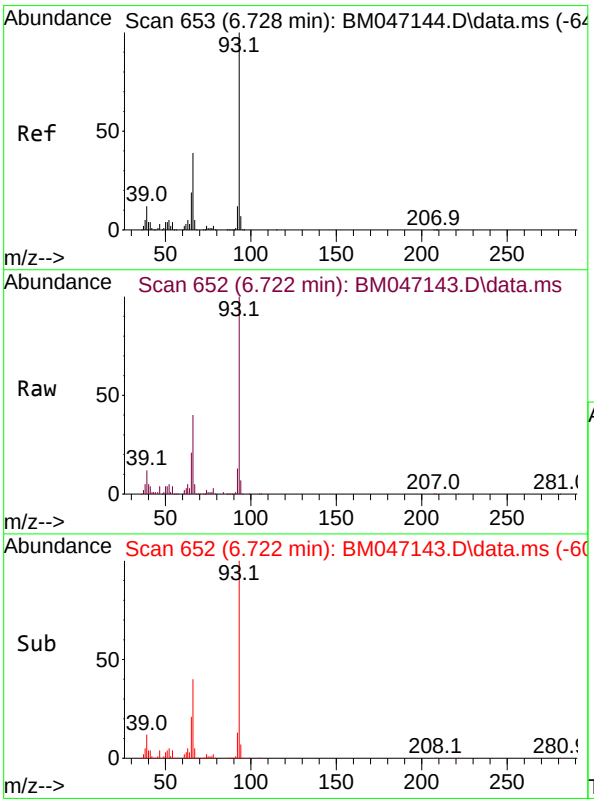
#5
2-Fluorophenol
Concen: 42.772 ng
RT: 5.022 min Scan# 3(
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 633062

Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.7	70.1
63	31.0	24.8	37.2

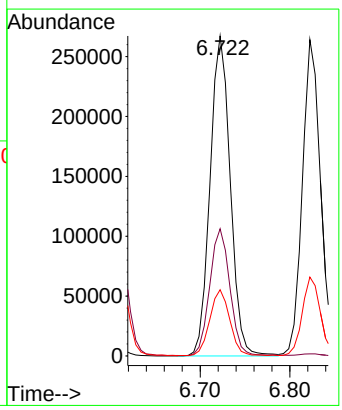


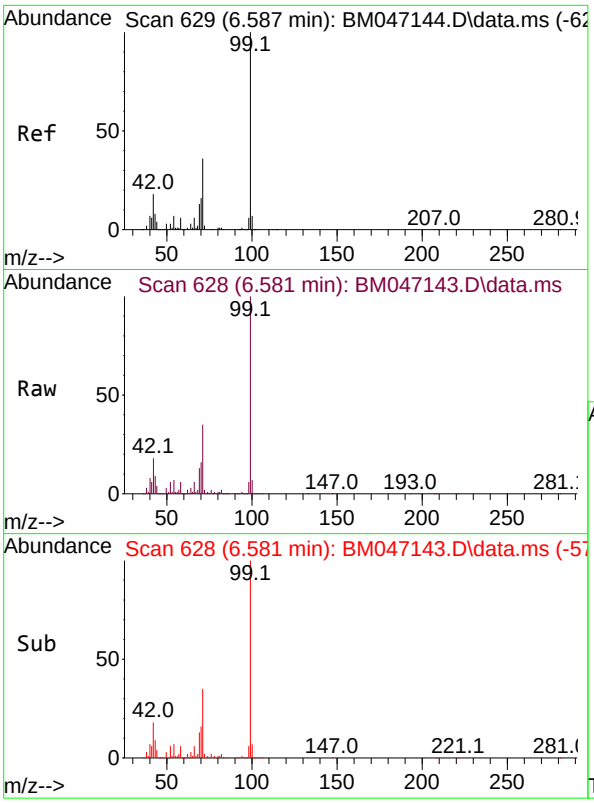


#6
Aniline
Concen: 21.723 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 93 Resp: 418736

Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.4	47.2
65	20.7	15.6	23.4



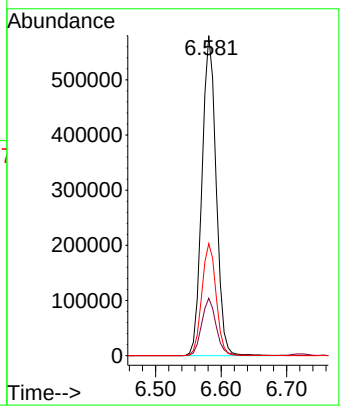


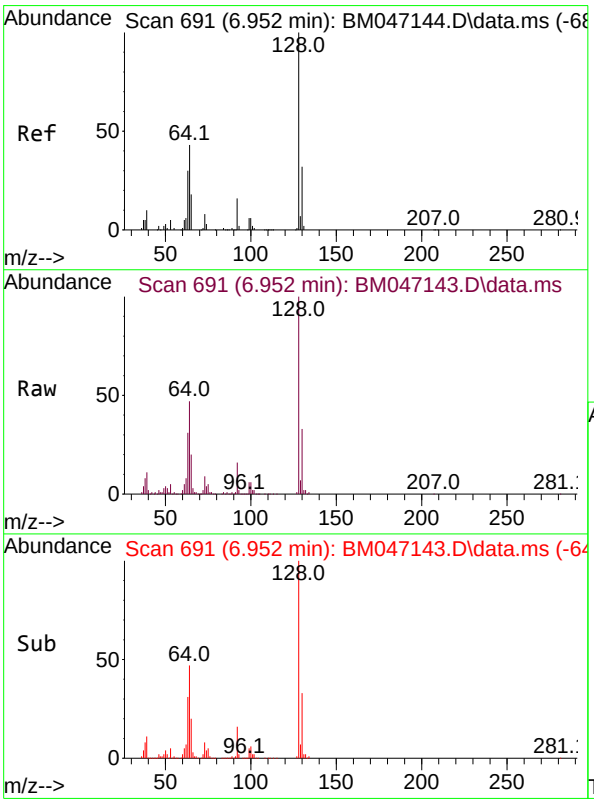
#7
Phenol-d6
Concen: 42.833 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 873552

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.1	21.1
71	35.0	28.5	42.7

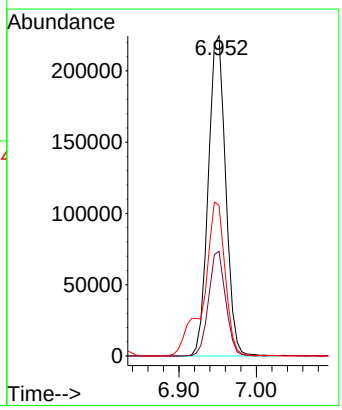


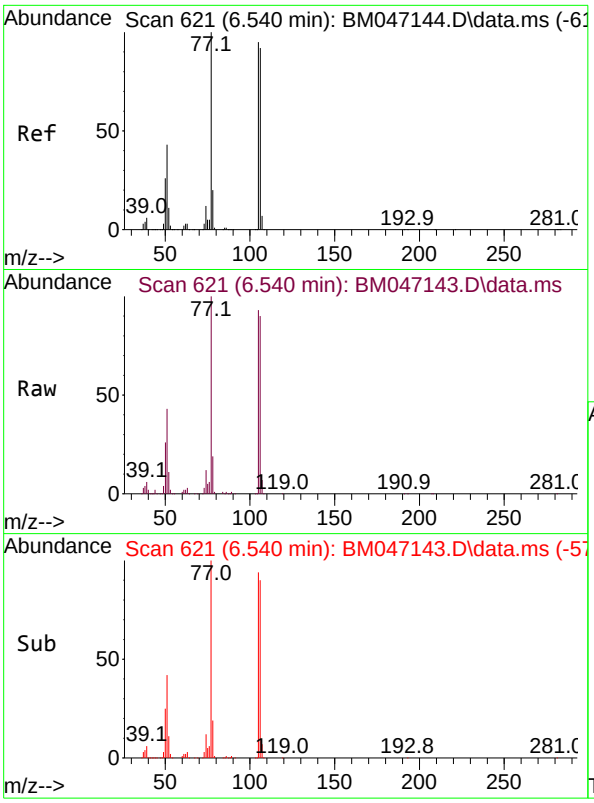


#8
2-Chlorophenol
Concen: 21.684 ng
RT: 6.952 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:128 Resp: 350051

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.1	52.1
64	47.1	26.6	66.6



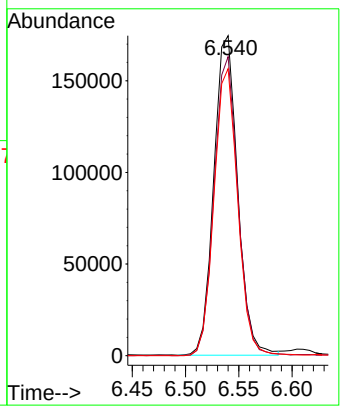


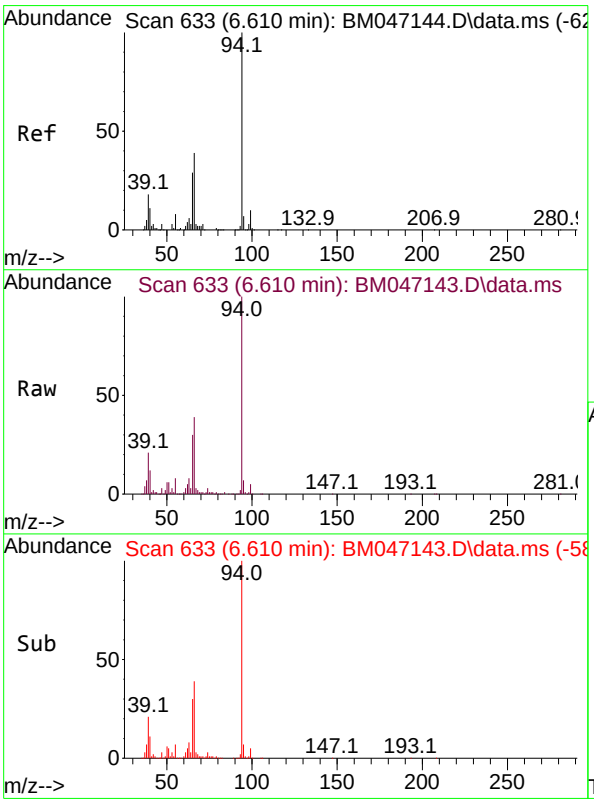
#9
Benzaldehyde
Concen: 21.095 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 270923

Ion	Ratio	Lower	Upper
77	100		
105	93.5	74.5	114.5
106	89.7	72.3	112.3

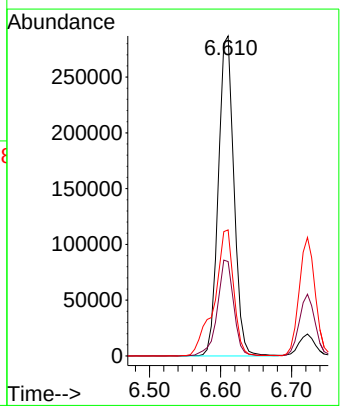


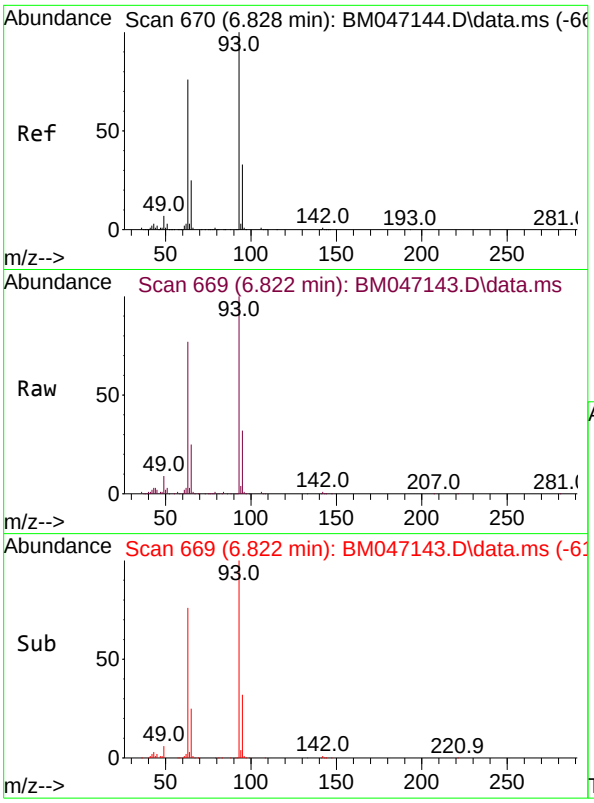


#10
Phenol
Concen: 21.375 ng
RT: 6.610 min Scan# 633
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 94 Resp: 434987

Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.0	49.0
66	39.4	18.9	58.9



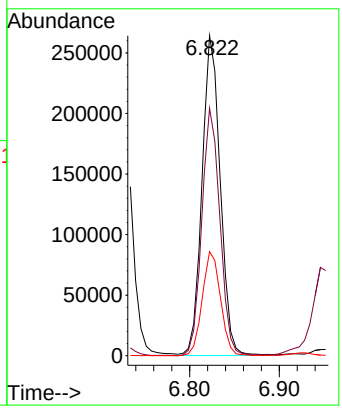


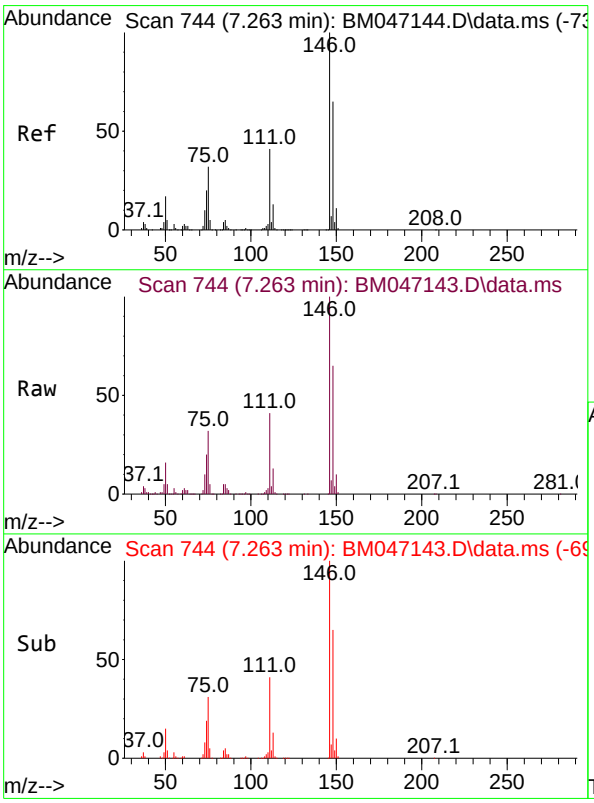
#11
bis(2-Chloroethyl)ether
Concen: 21.351 ng
RT: 6.822 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 372085

Ion	Ratio	Lower	Upper
93	100		
63	77.4	55.8	95.8
95	32.5	12.7	52.7

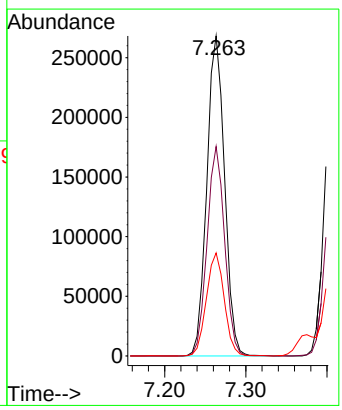


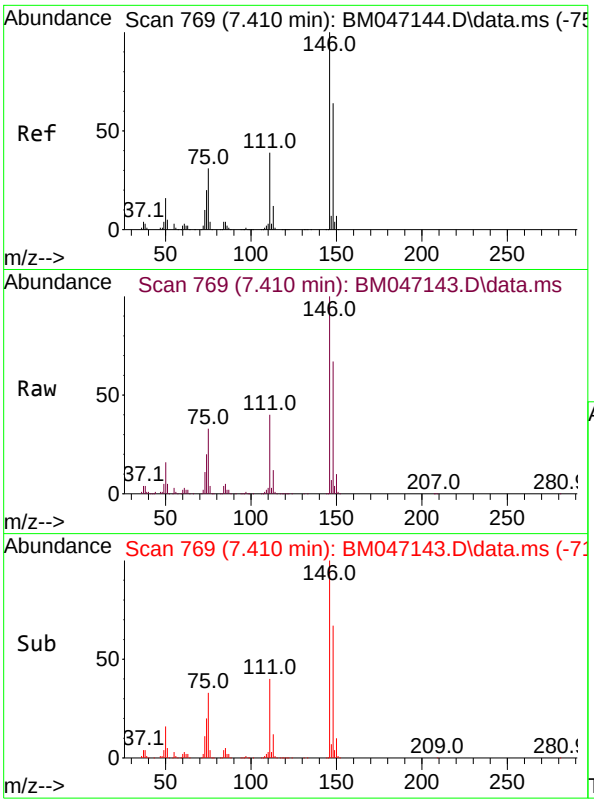


#12
1,3-Dichlorobenzene
Concen: 21.185 ng
RT: 7.263 min Scan# 744
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:146 Resp: 406387

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.3	78.5
75	32.2	25.8	38.6



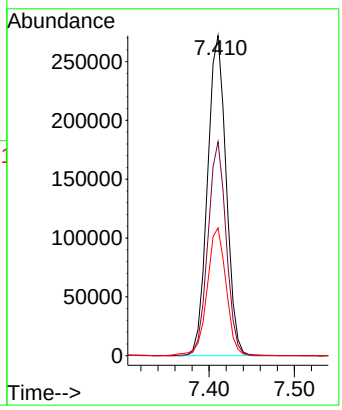


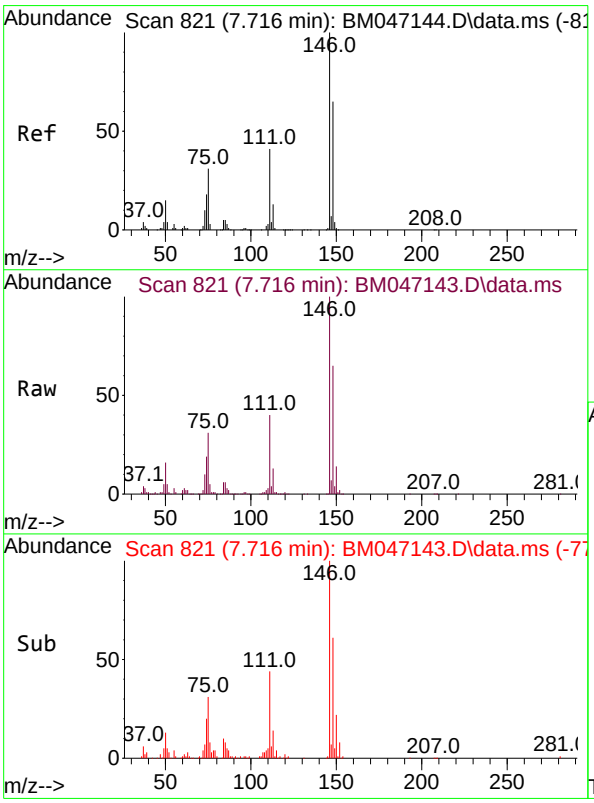
#13
1,4-Dichlorobenzene
Concen: 21.269 ng
RT: 7.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 413095

Ion	Ratio	Lower	Upper
146	100		
148	66.8	51.4	77.2
111	40.0	31.5	47.3

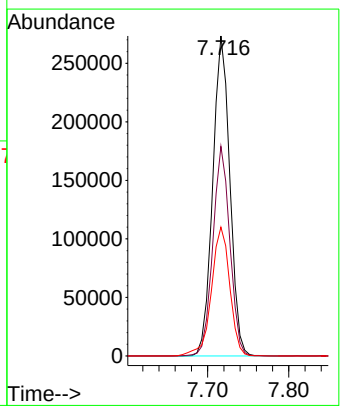


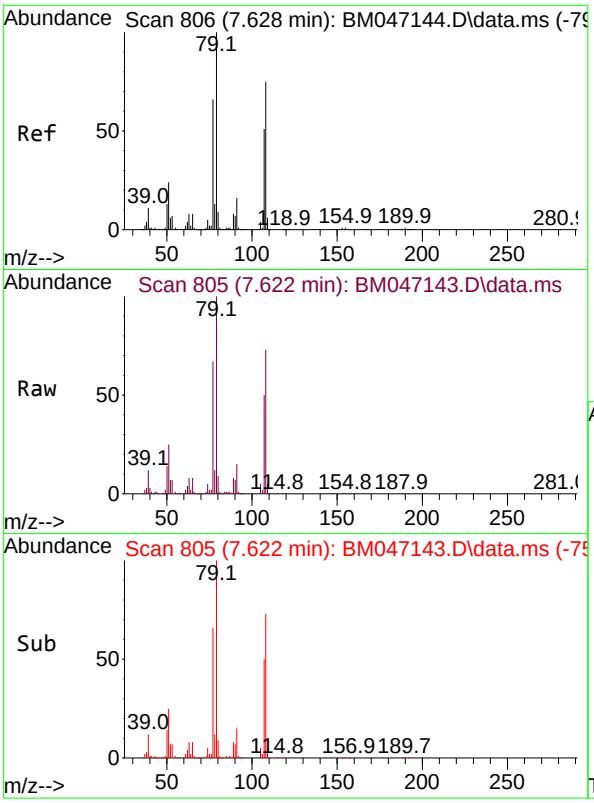


#14
1,2-Dichlorobenzene
Concen: 21.850 ng
RT: 7.716 min Scan# 821
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:146 Resp: 400406

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.8	77.8
111	40.3	33.3	49.9



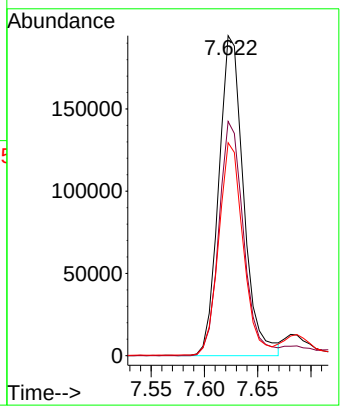


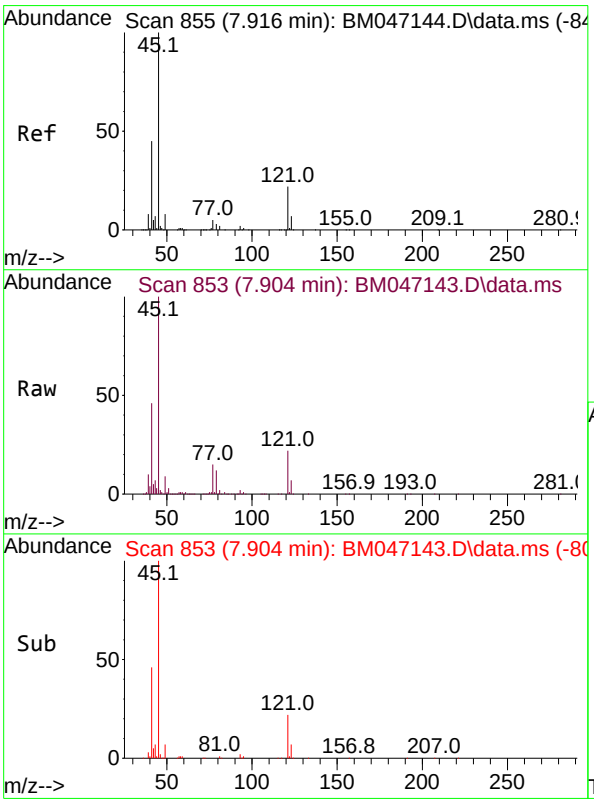
#15
Benzyl Alcohol
Concen: 21.667 ng
RT: 7.622 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 314490

Ion	Ratio	Lower	Upper
79	100		
108	73.2	59.7	89.5
77	66.6	52.9	79.3

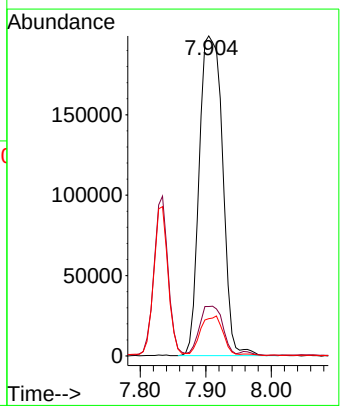


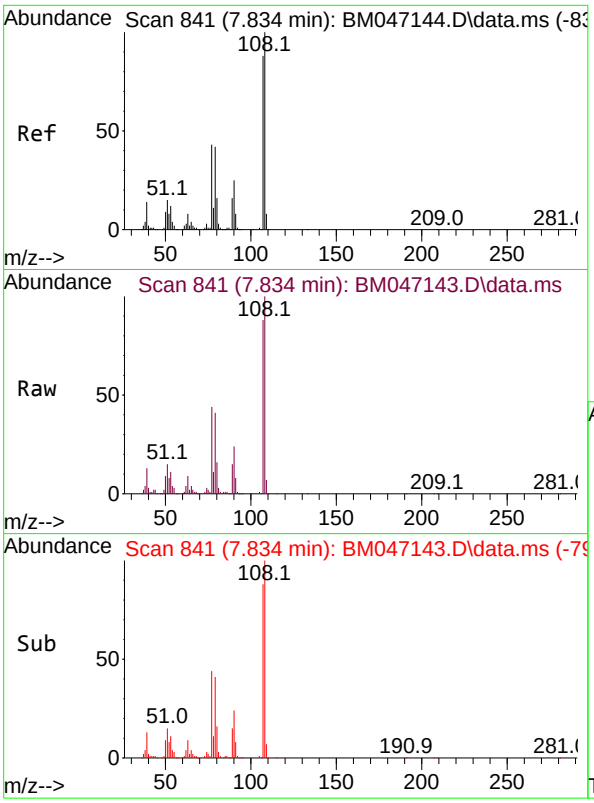


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.956 ng
RT: 7.904 min Scan# 853
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 45 Resp: 491561

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.6
79	11.6	0.0	32.4



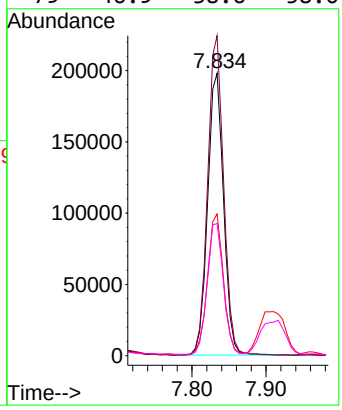


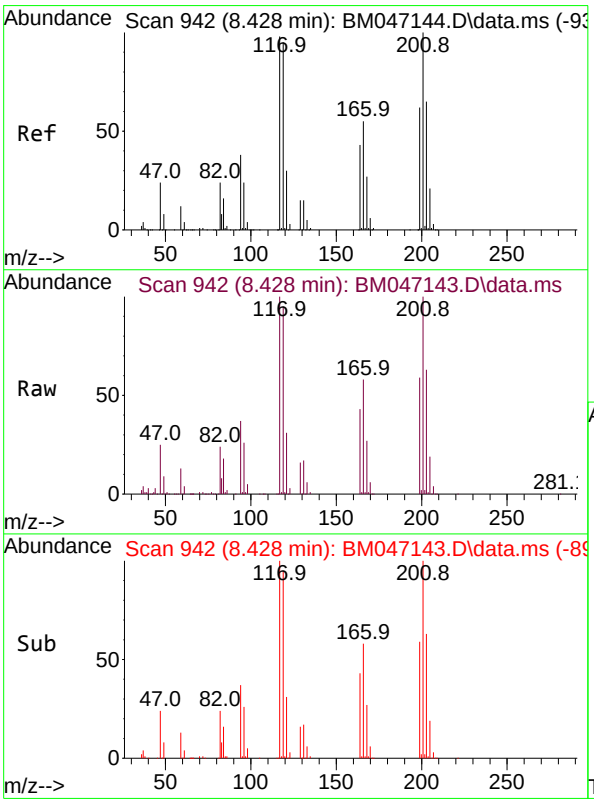
#17
2-Methylphenol
Concen: 21.718 ng
RT: 7.834 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 294855

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	135.8
77	50.2	39.3	58.9
79	46.9	38.6	58.0

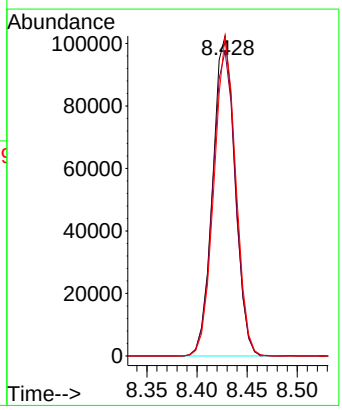


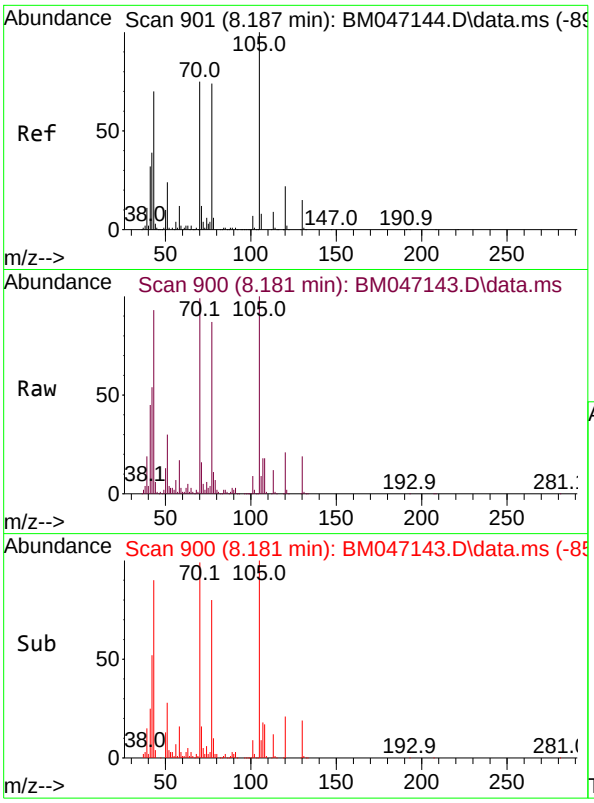


#18
Hexachloroethane
Concen: 21.091 ng
RT: 8.428 min Scan# 942
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:117 Resp: 158678

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.0	115.4
201	99.9	81.3	121.9



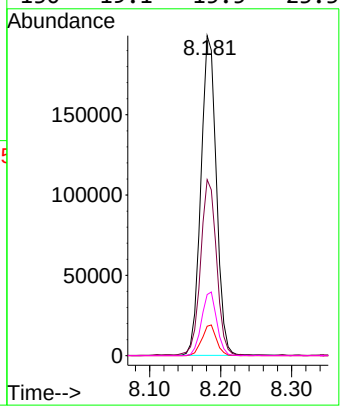


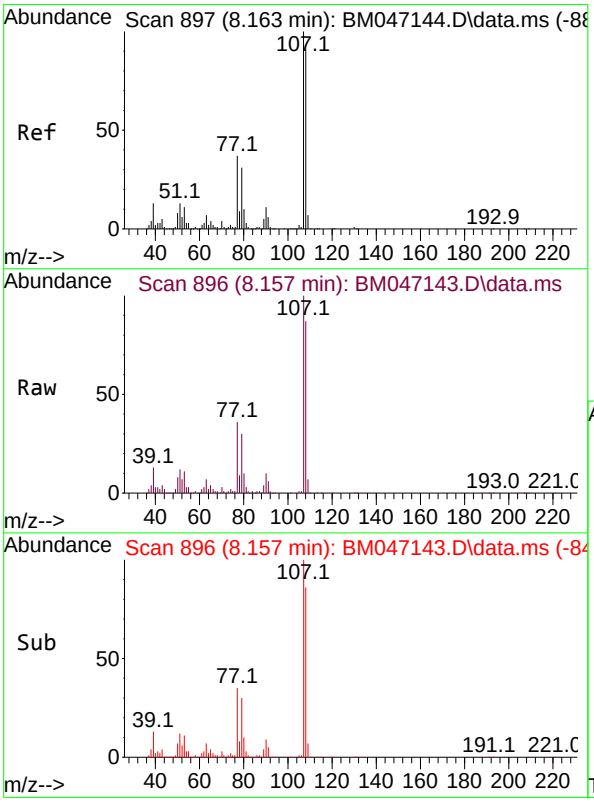
#19
n-Nitroso-di-n-propylamine
Concen: 21.907 ng
RT: 8.181 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 300944

Ion	Ratio	Lower	Upper
70	100		
42	55.0	42.0	63.0
101	9.2	7.2	10.8
130	19.1	15.5	23.3

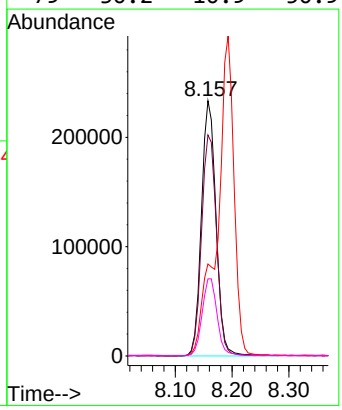


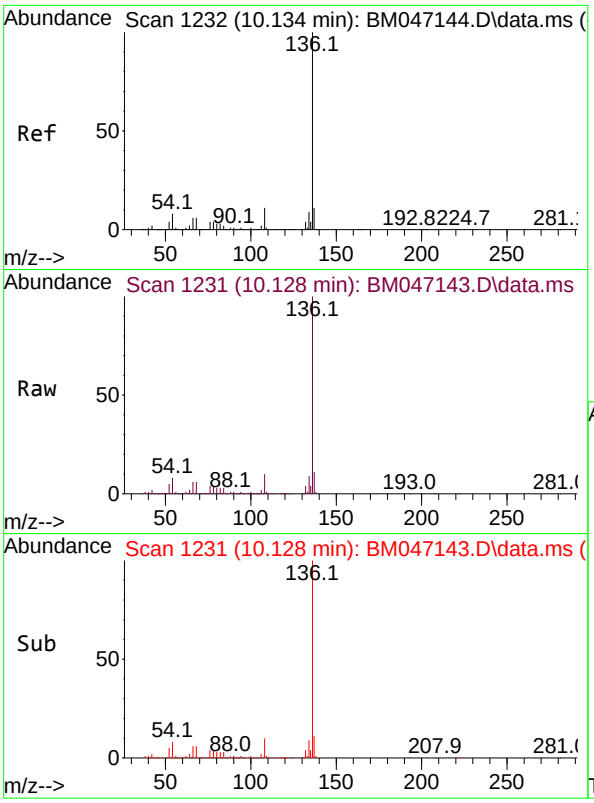


#20
3+4-Methylphenols
Concen: 21.871 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:107 Resp: 415106

Ion	Ratio	Lower	Upper
107	100		
108	86.6	70.7	110.7
77	36.1	17.4	57.4
79	30.2	10.9	50.9



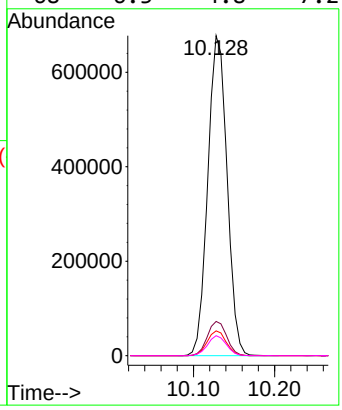


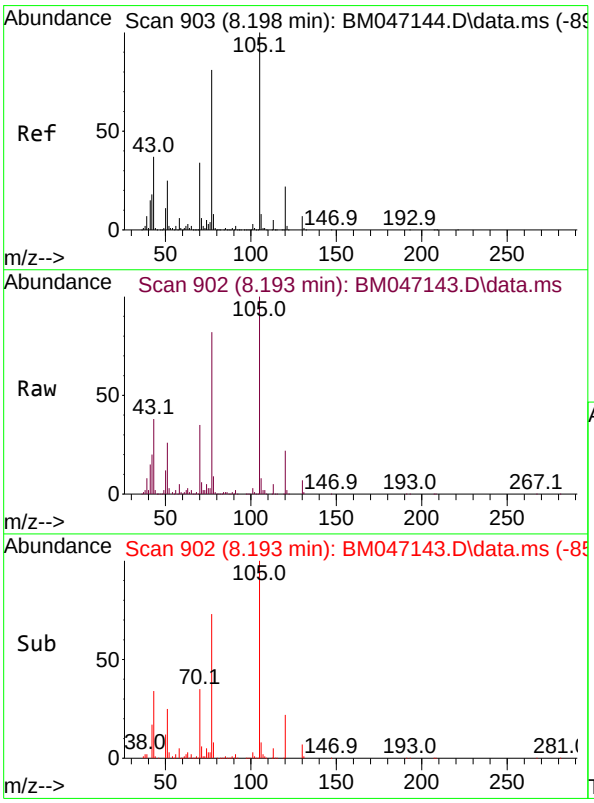
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1115607

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.8	6.0	9.0
68	6.3	4.8	7.2

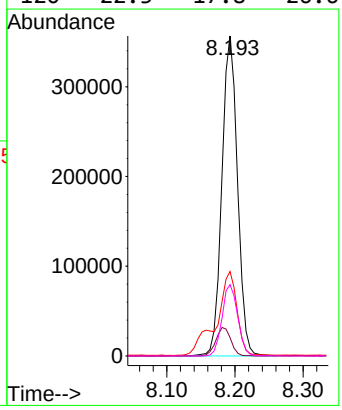


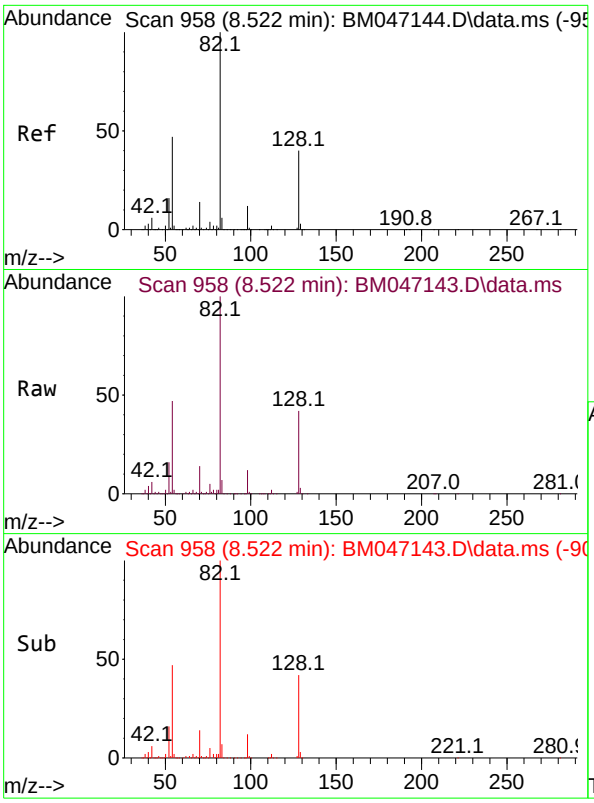


#22
Acetophenone
Concen: 21.130 ng
RT: 8.193 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:105 Resp: 569010

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.5	6.7
51	26.4	20.1	30.1
120	22.3	17.8	26.6



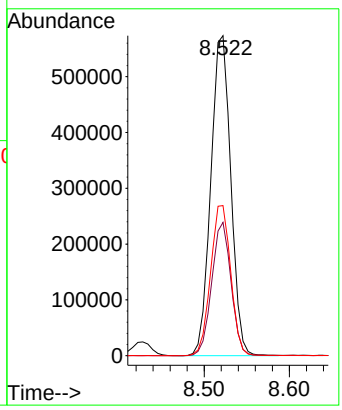


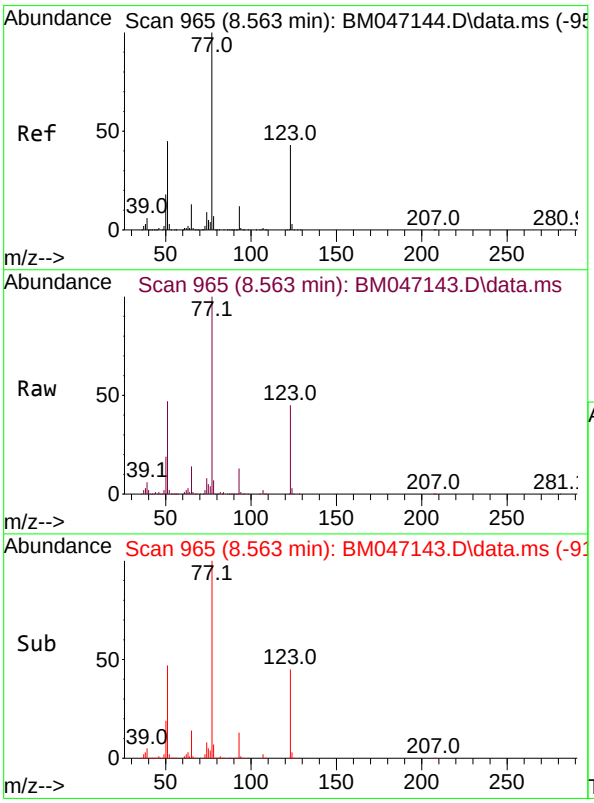
#23
Nitrobenzene-d5
Concen: 42.259 ng
RT: 8.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 936280

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.3	48.5
54	46.9	37.4	56.2

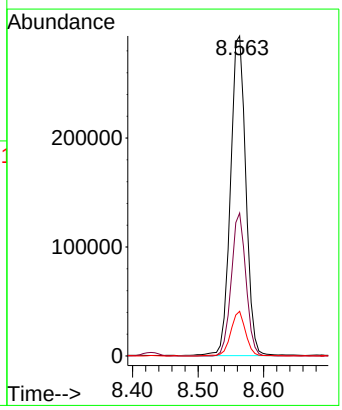


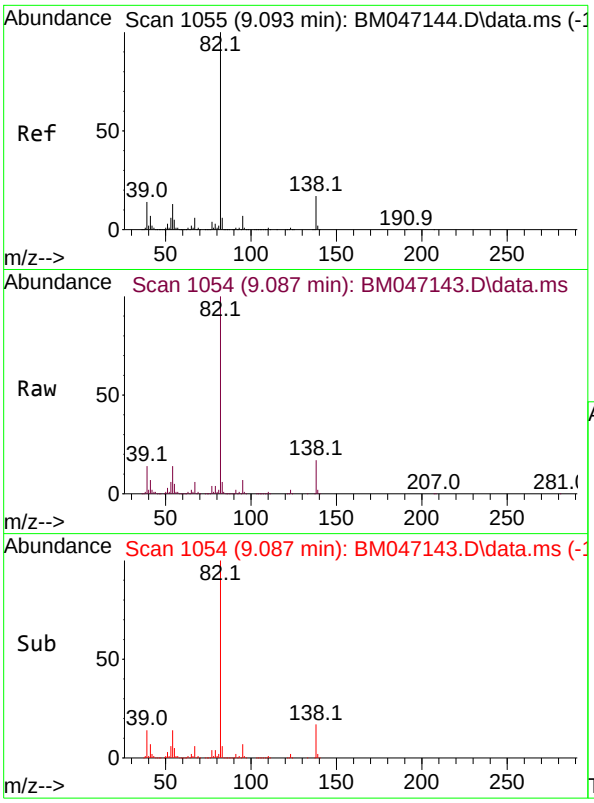


#24
Nitrobenzene
Concen: 21.382 ng
RT: 8.563 min Scan# 965
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 77 Resp: 477014

Ion	Ratio	Lower	Upper
77	100		
123	44.7	34.0	51.0
65	13.9	10.5	15.7



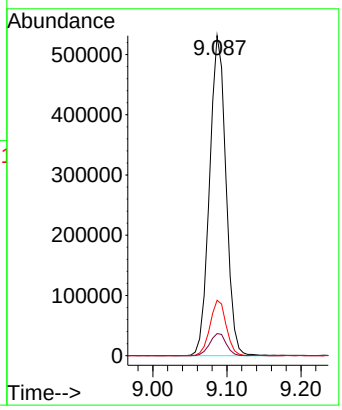


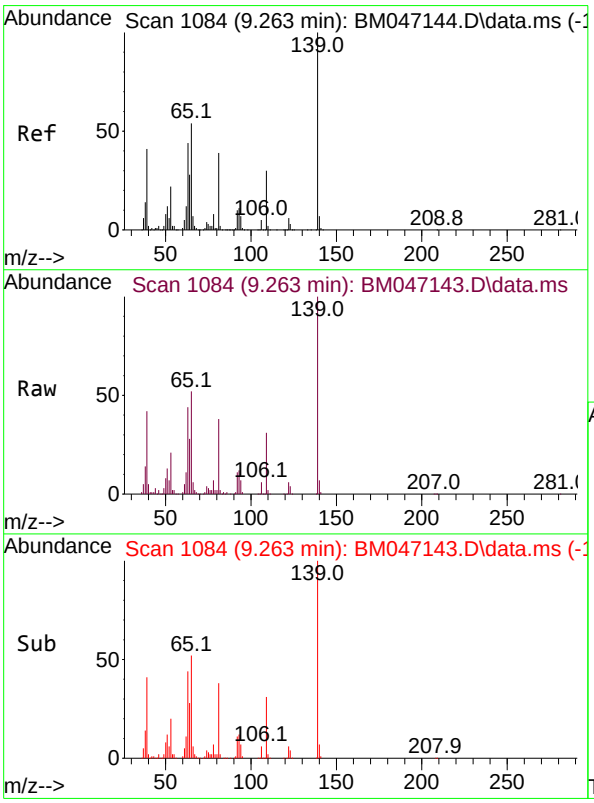
#25
Isophorone
Concen: 21.163 ng
RT: 9.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 816407

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.3	13.5	20.3

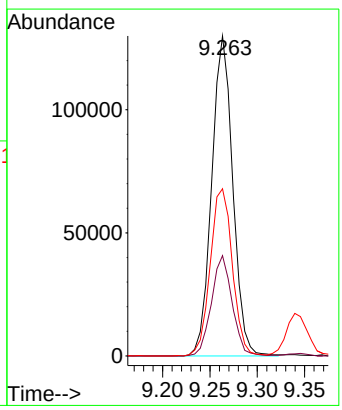


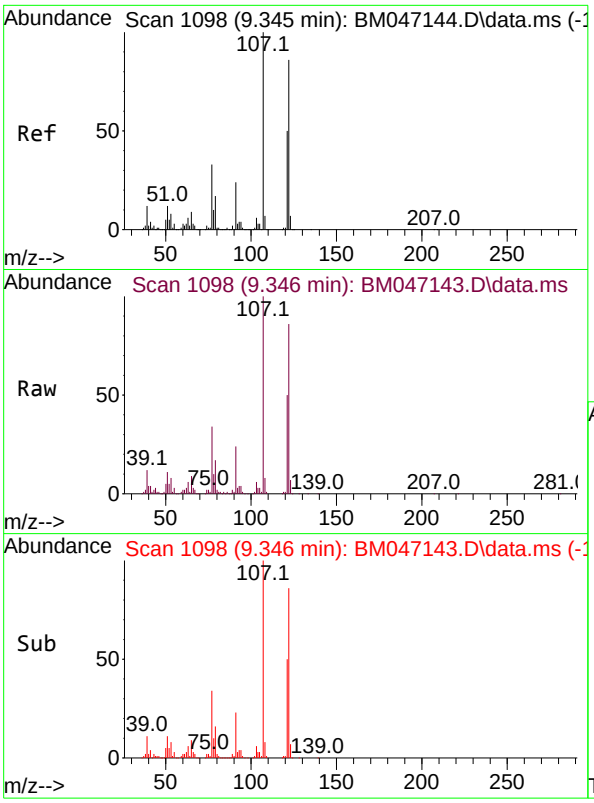


#26
2-Nitrophenol
Concen: 20.351 ng
RT: 9.263 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:139 Resp: 201069

Ion	Ratio	Lower	Upper
139	100		
109	31.3	24.4	36.6
65	52.2	43.0	64.6



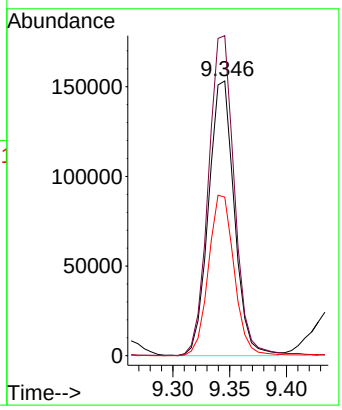


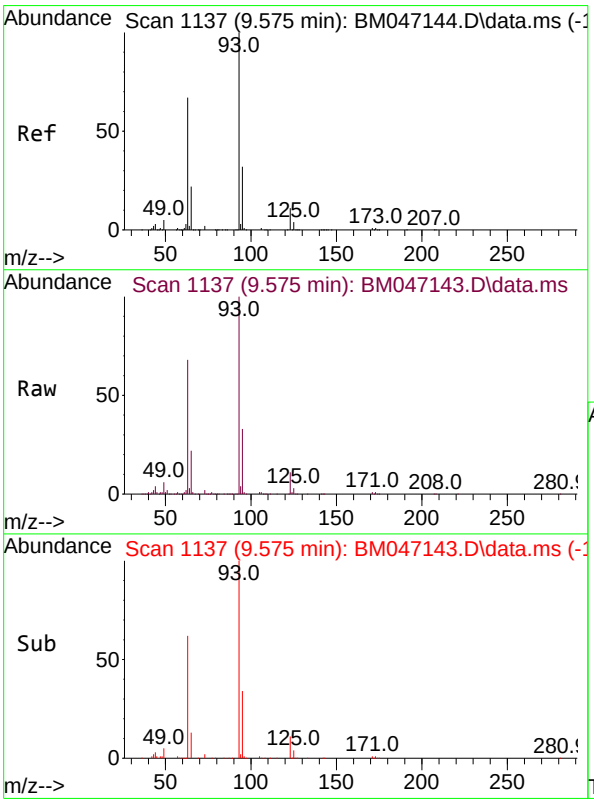
#27
2,4-Dimethylphenol
Concen: 20.924 ng
RT: 9.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 242158

Ion	Ratio	Lower	Upper
122	100		
107	116.5	92.8	139.2
121	57.7	46.1	69.1

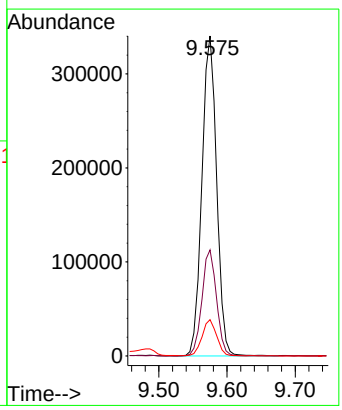


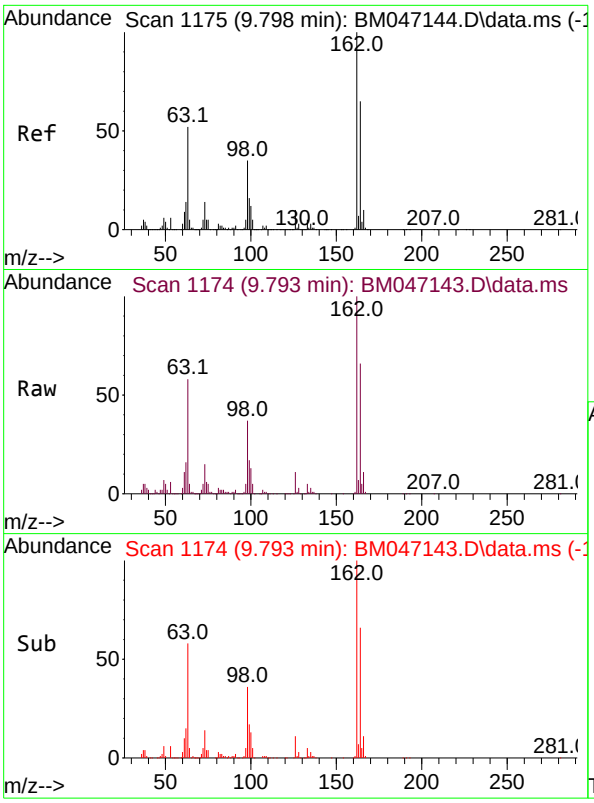


#28
bis(2-Chloroethoxy)methane
Concen: 21.069 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 93 Resp: 511416

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	11.3	9.0	13.4



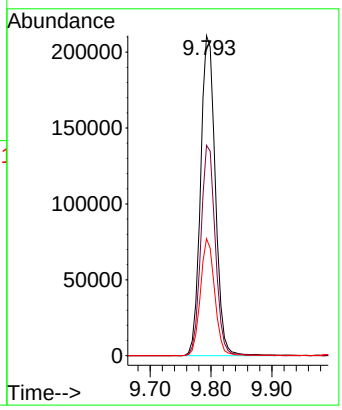


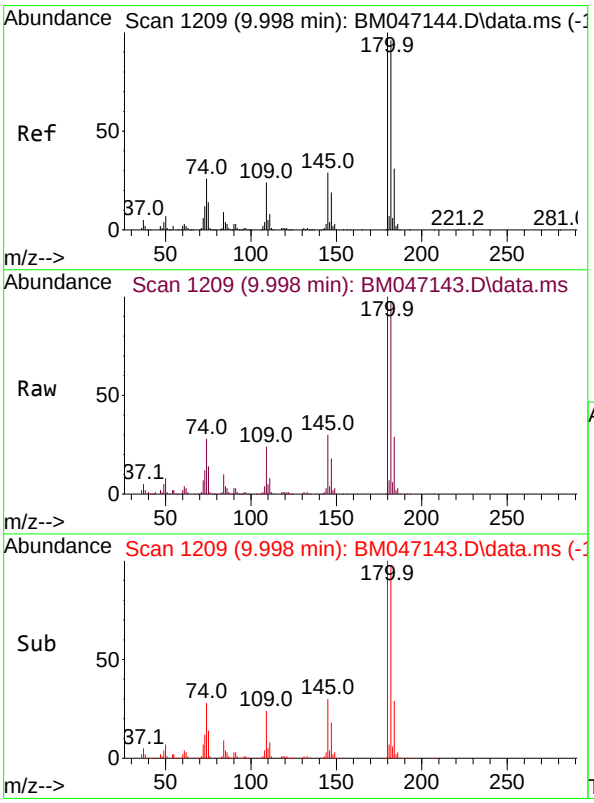
#29
2,4-Dichlorophenol
Concen: 20.667 ng
RT: 9.793 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 354907

Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.7	84.7
98	36.5	14.9	54.9

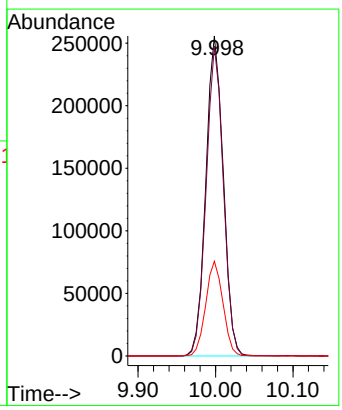


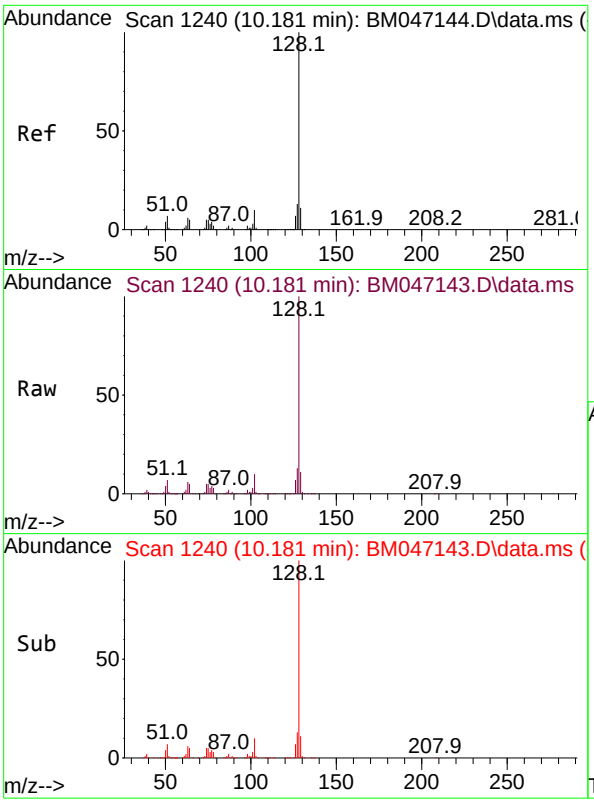


#30
1,2,4-Trichlorobenzene
Concen: 20.598 ng
RT: 9.998 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:180 Resp: 400292

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	115.0
145	29.6	23.4	35.2



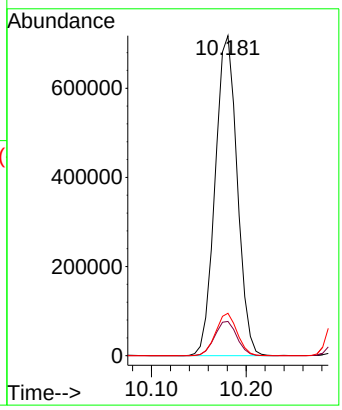


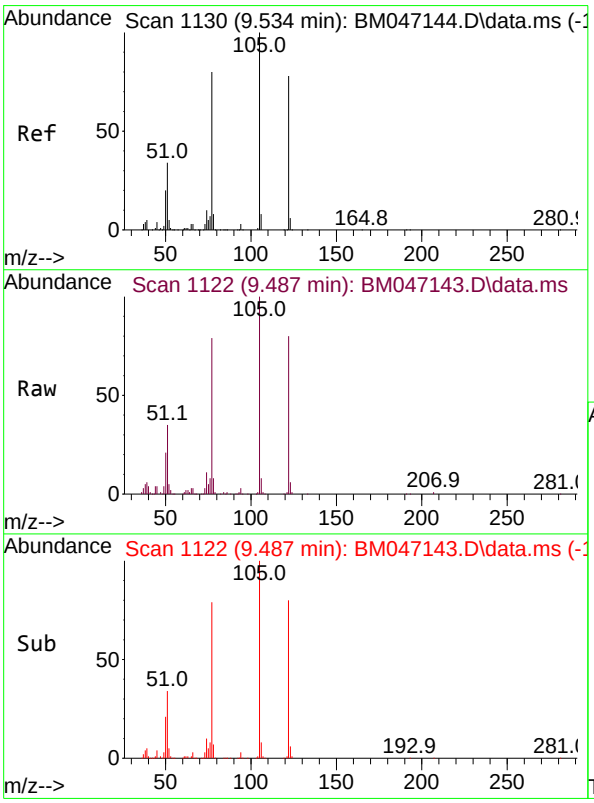
#31
Naphthalene
Concen: 20.911 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1162115

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.3	10.2	15.4

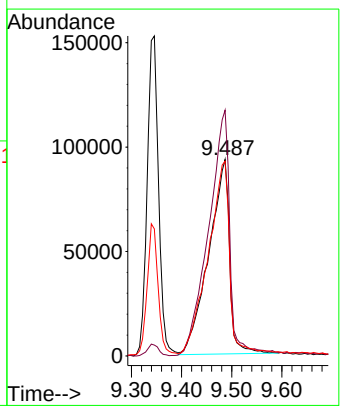


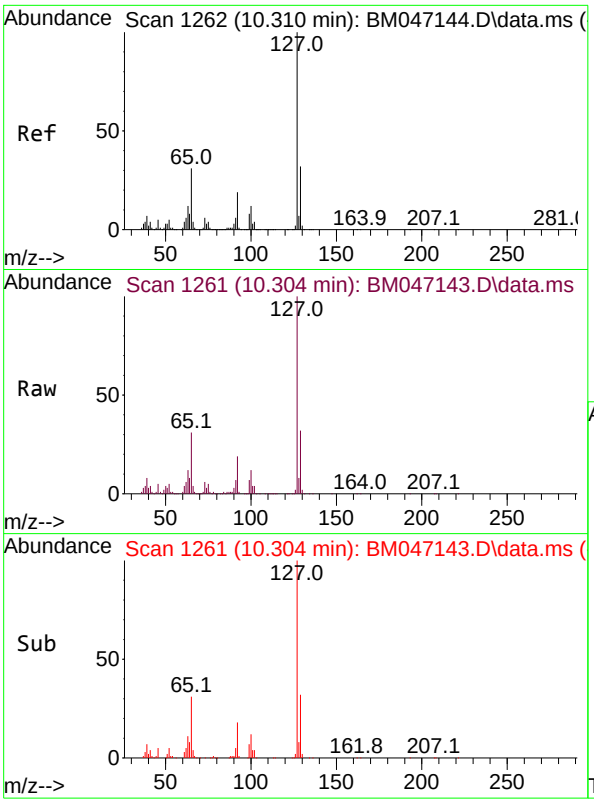


#32
Benzoic acid
Concen: 19.806 ng
RT: 9.487 min Scan# 1122
Delta R.T. -0.047 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:122 Resp: 267804

Ion	Ratio	Lower	Upper
122	100		
105	125.1	107.1	147.1
77	99.1	82.1	122.1



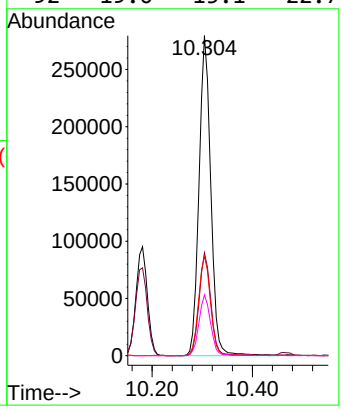


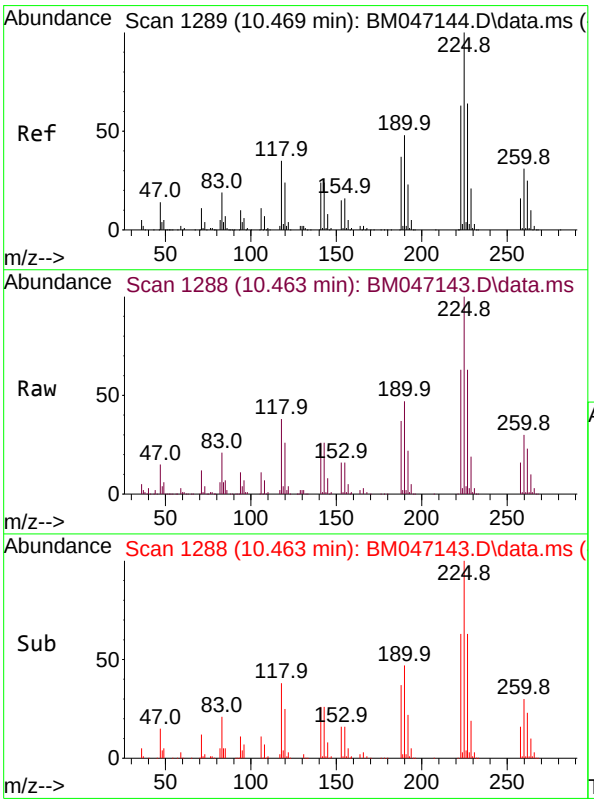
#33
4-Chloroaniline
Concen: 21.333 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 455929

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.8
65	31.1	24.9	37.3
92	19.0	15.1	22.7

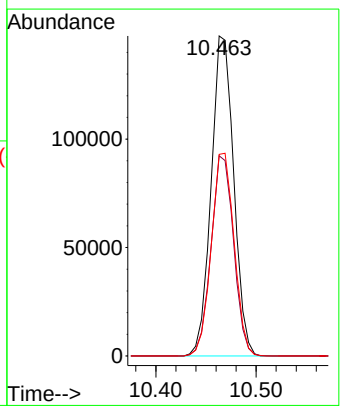


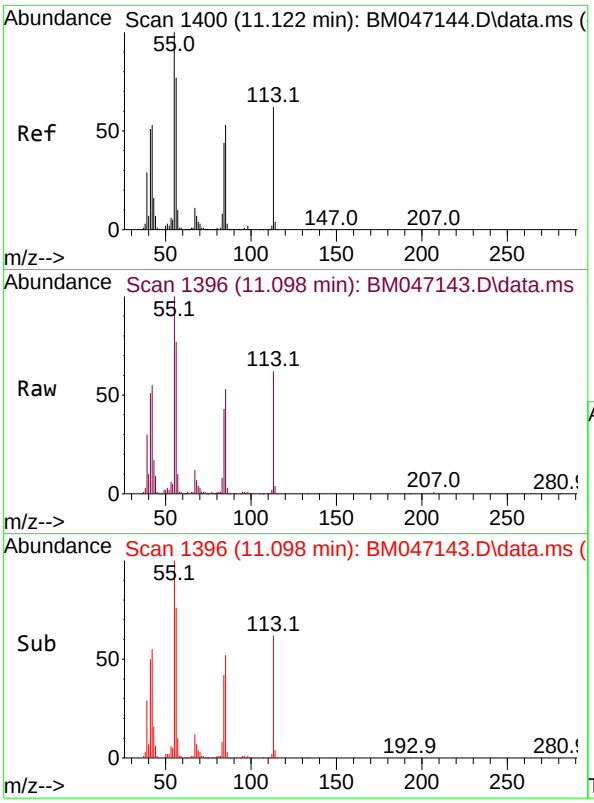


#34
Hexachlorobutadiene
Concen: 20.262 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:225 Resp: 230475

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.2
227	63.0	51.4	77.0



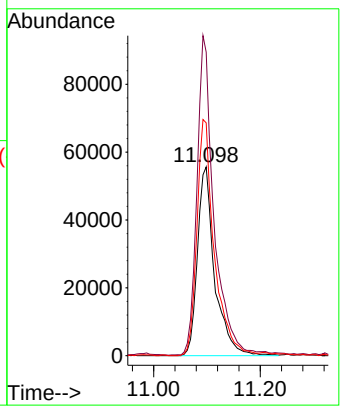


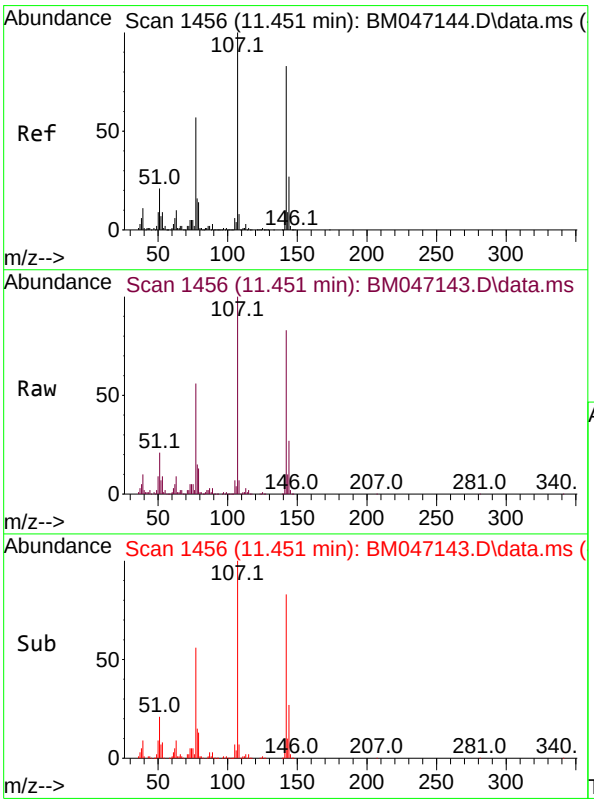
#35
Caprolactam
Concen: 20.923 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 124776

Ion	Ratio	Lower	Upper
113	100		
55	160.8	140.5	180.5
56	123.3	103.6	143.6

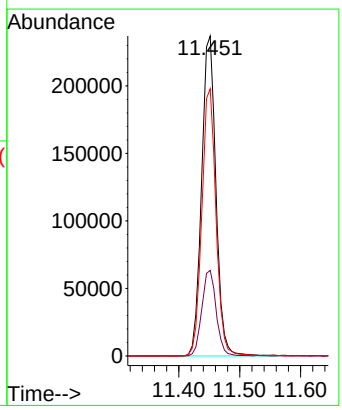


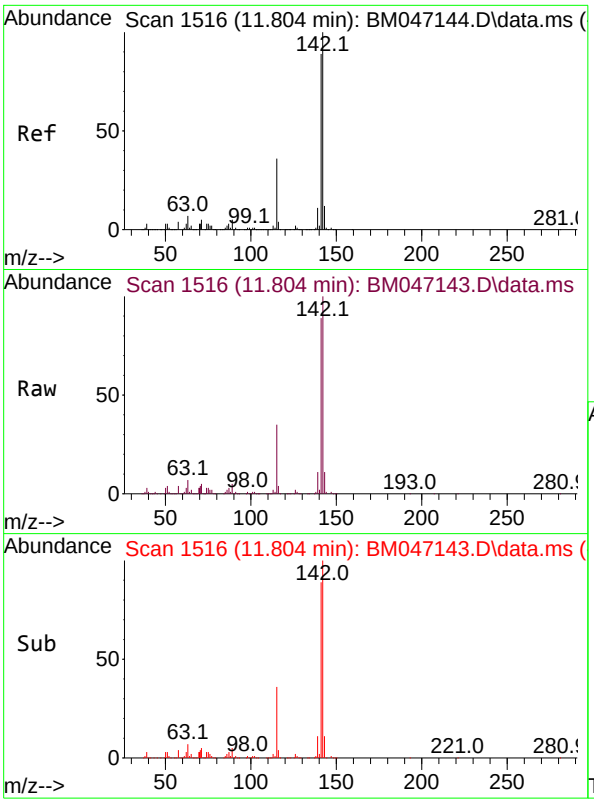


#36
4-Chloro-3-methylphenol
Concen: 21.148 ng
RT: 11.451 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:107 Resp: 386762

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.8	32.6
142	83.5	66.8	100.2



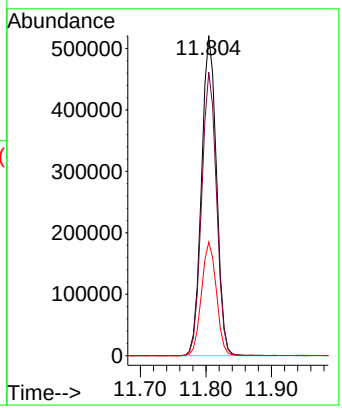


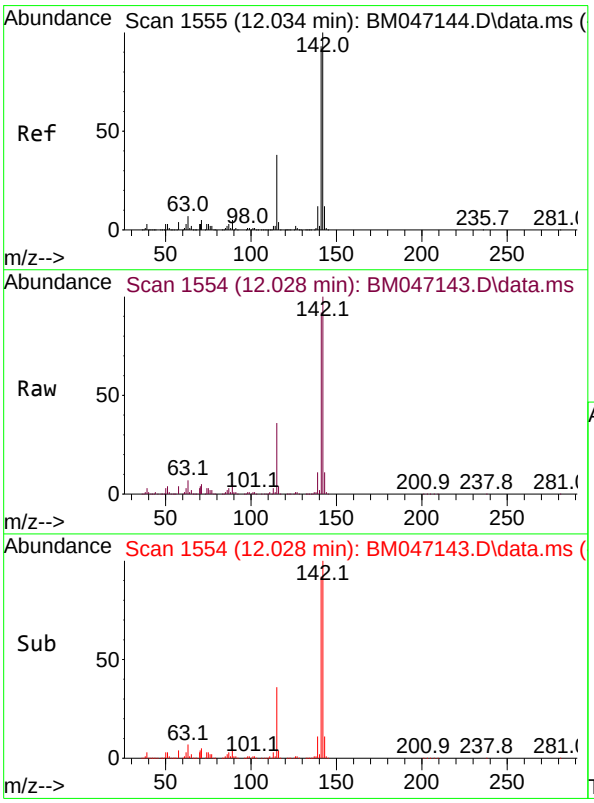
#37
2-Methylnaphthalene
Concen: 20.927 ng
RT: 11.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 828088

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3
115	35.5	28.7	43.1

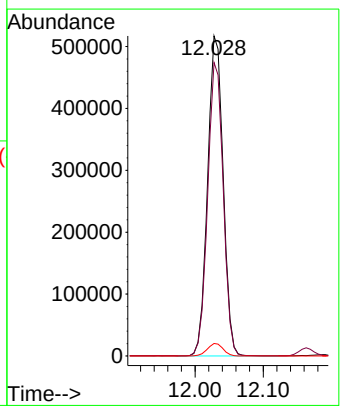


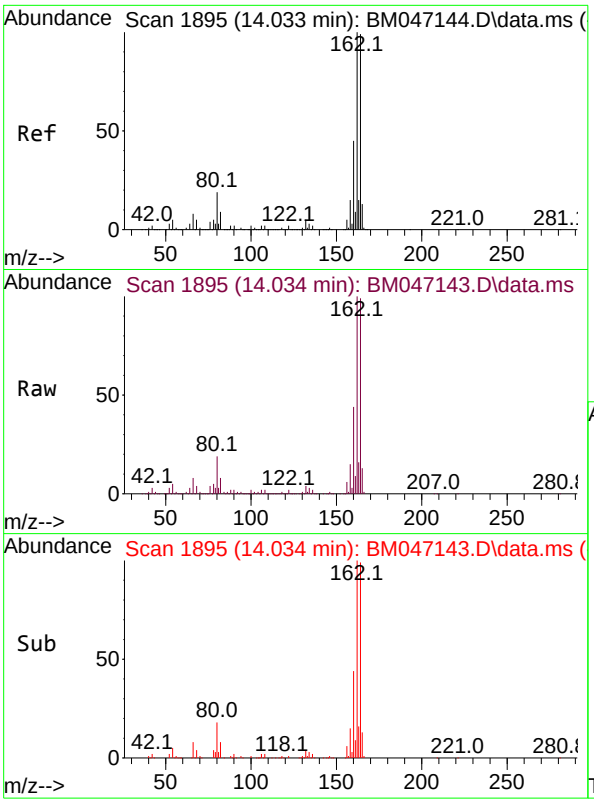


#38
1-Methylnaphthalene
Concen: 20.963 ng
RT: 12.028 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:142 Resp: 819798

Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.6	111.8
116	3.9	3.1	4.7



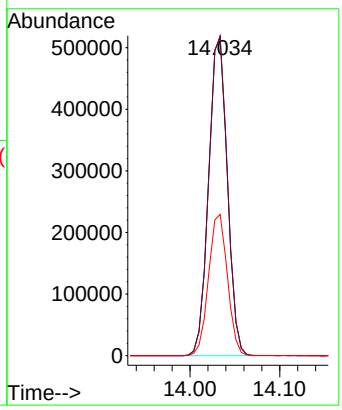


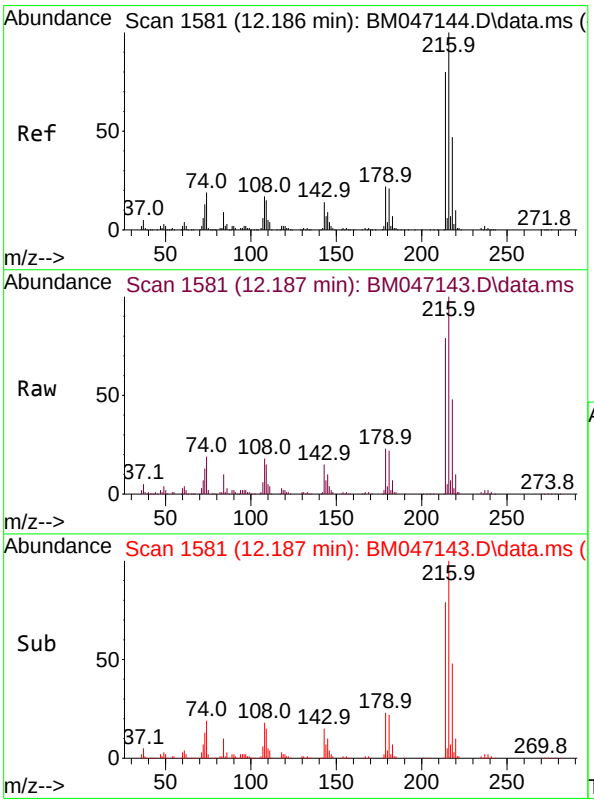
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 747989

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.7	121.1
160	44.4	36.0	54.0

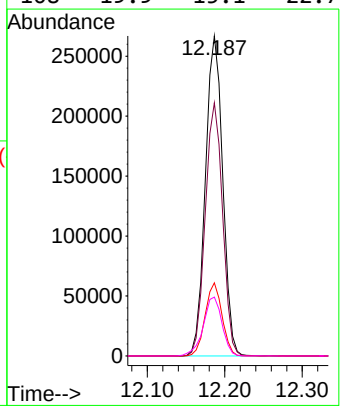


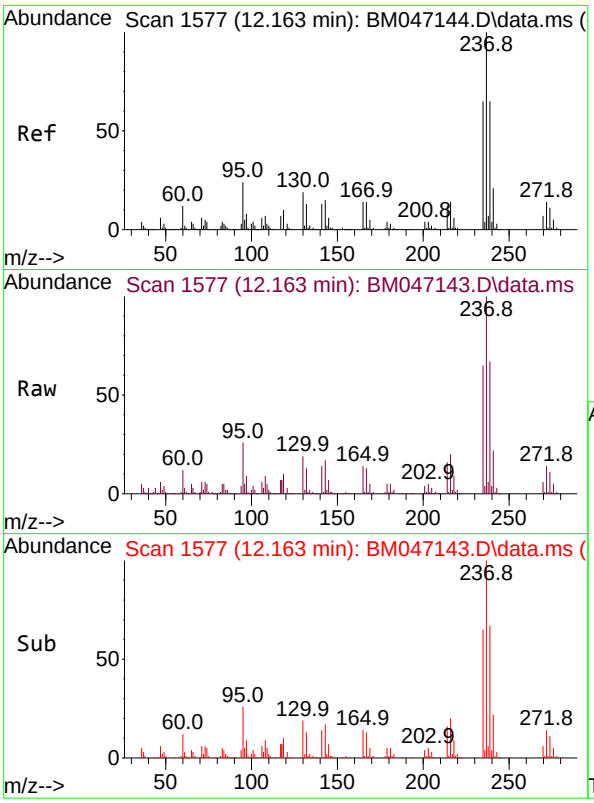


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.313 ng
RT: 12.187 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:216 Resp: 414428

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.4	95.2
179	22.2	17.6	26.4
108	19.9	15.1	22.7



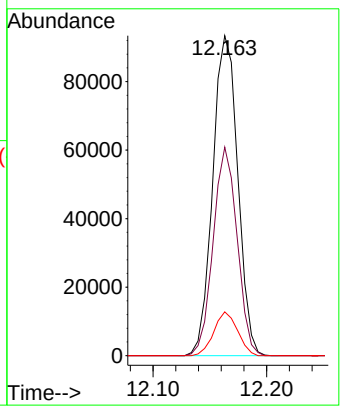


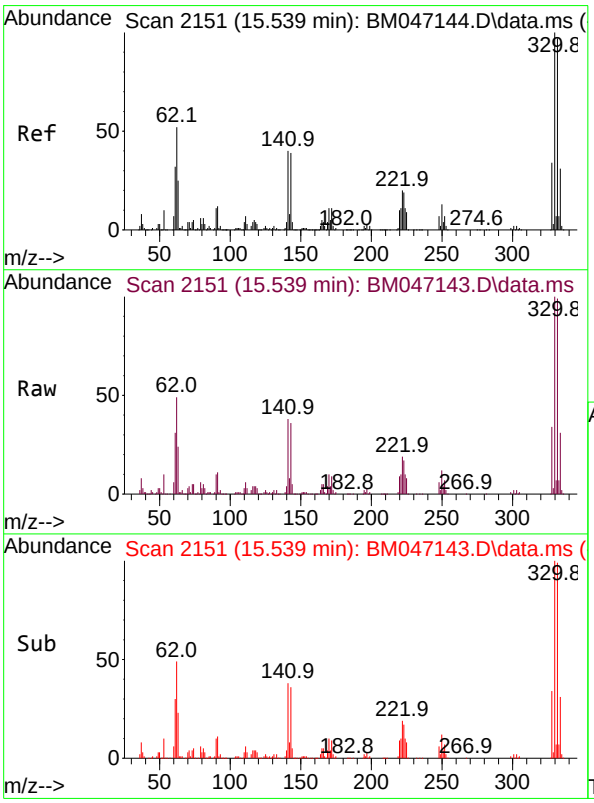
#41
Hexachlorocyclopentadiene
Concen: 20.066 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 142951

Ion	Ratio	Lower	Upper
237	100		
235	65.1	44.8	84.8
272	13.7	0.0	33.5

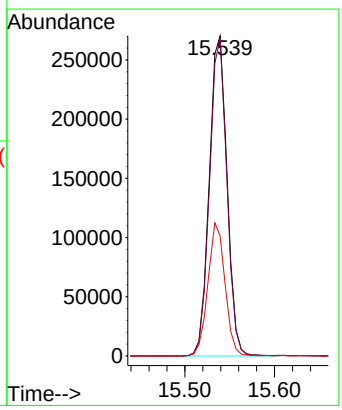


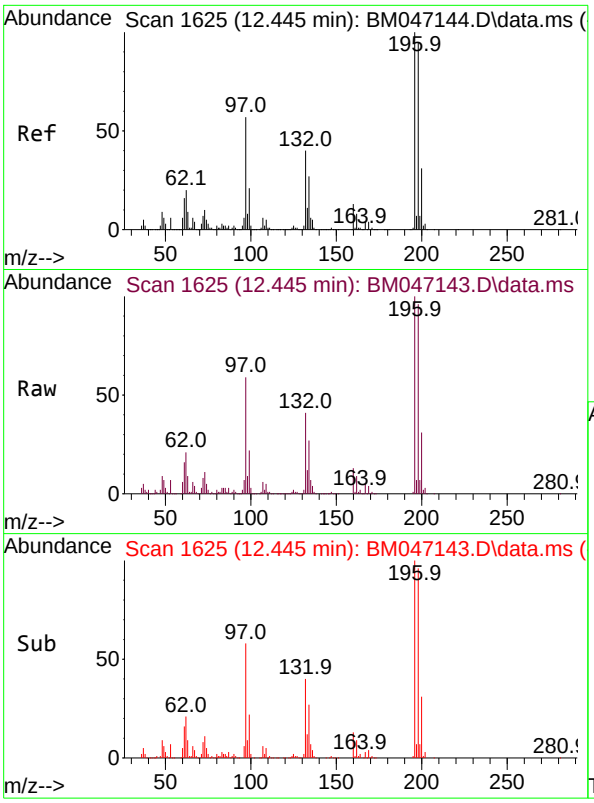


#42
2,4,6-Tribromophenol
Concen: 42.851 ng
RT: 15.539 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:330 Resp: 371649

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	40.3	31.6	47.4



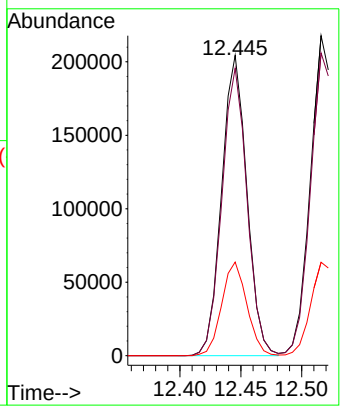


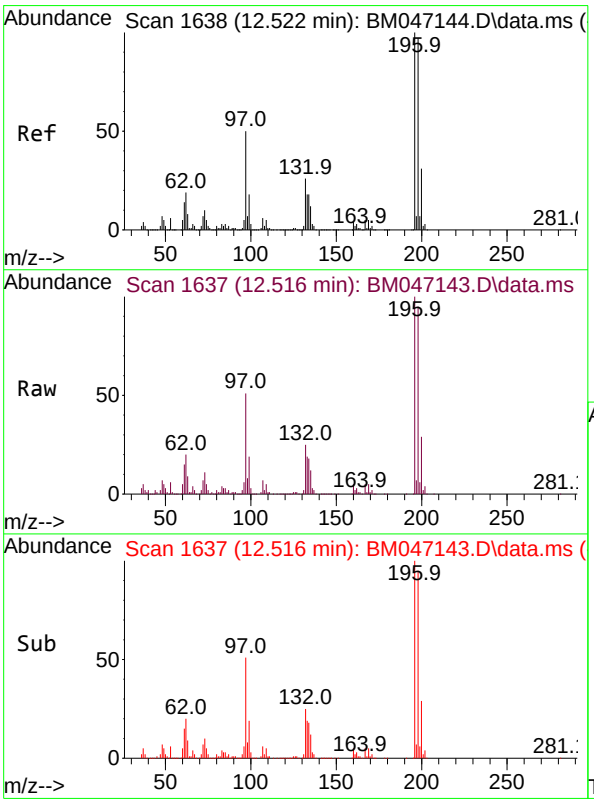
#43
2,4,6-Trichlorophenol
Concen: 20.309 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 294494

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.6	113.4
200	31.2	24.6	37.0

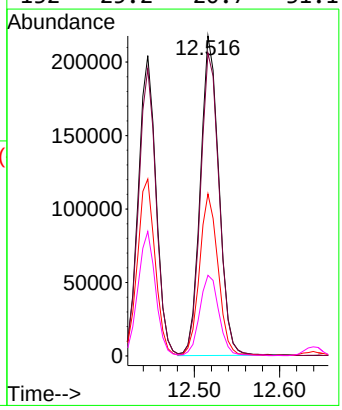


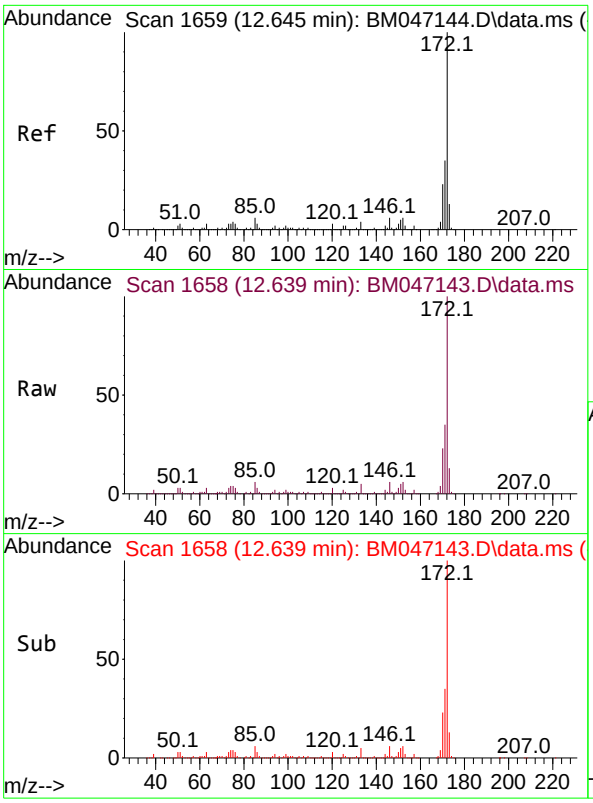


#44
2,4,5-Trichlorophenol
Concen: 20.371 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:196 Resp: 327981

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.7	116.5
97	50.6	39.8	59.8
132	25.2	20.7	31.1



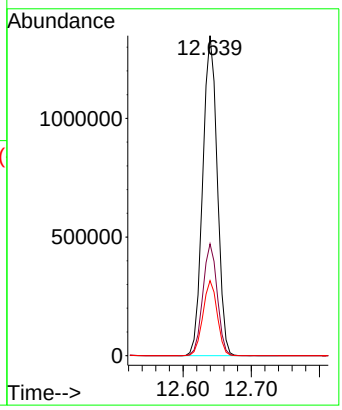


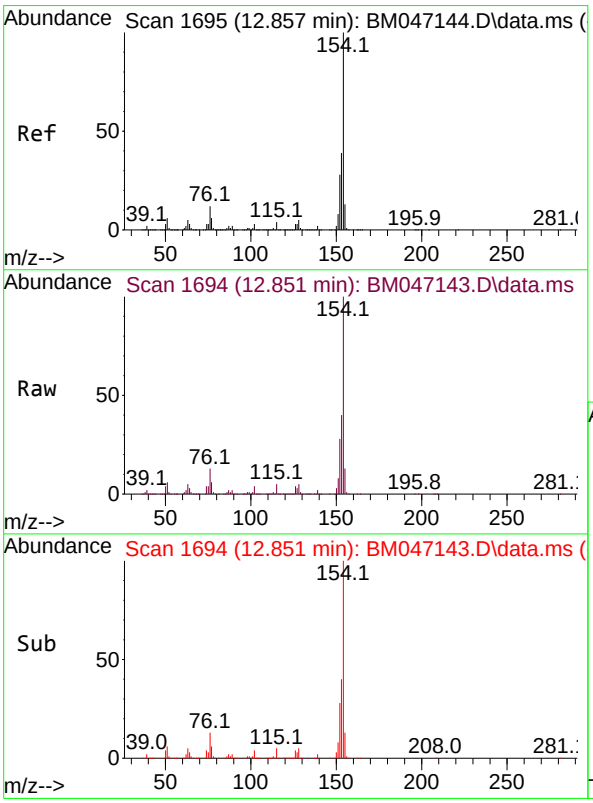
#45
2-Fluorobiphenyl
Concen: 41.204 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1998004

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.4	18.7	28.1

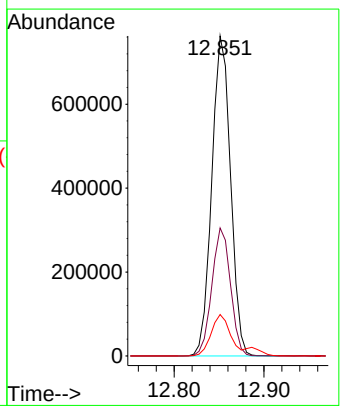


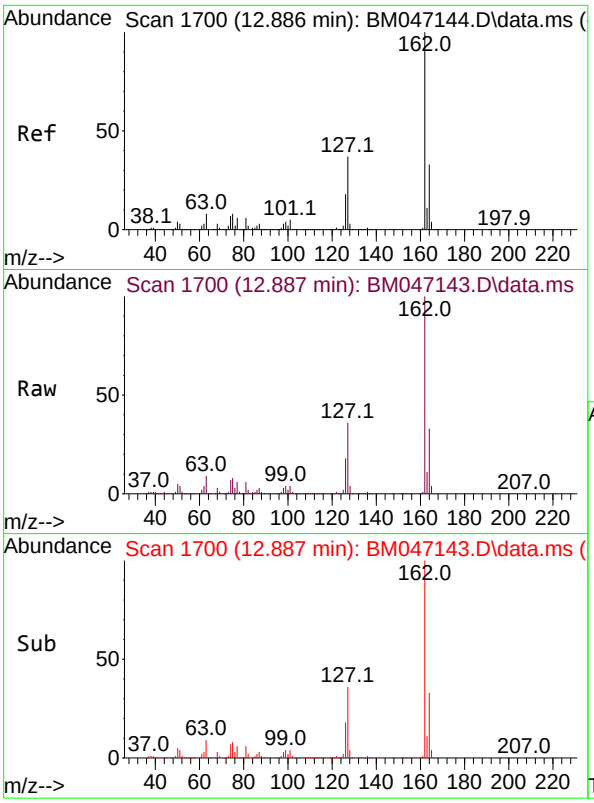


#46
1,1'-Biphenyl
Concen: 20.776 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:154 Resp: 1106359

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.0	59.0
76	13.0	0.0	31.9



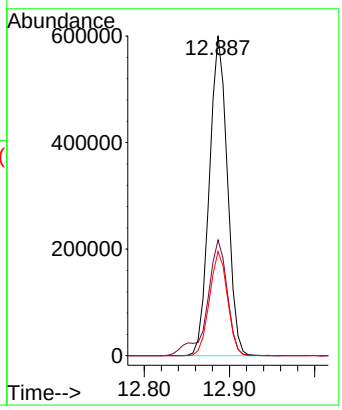


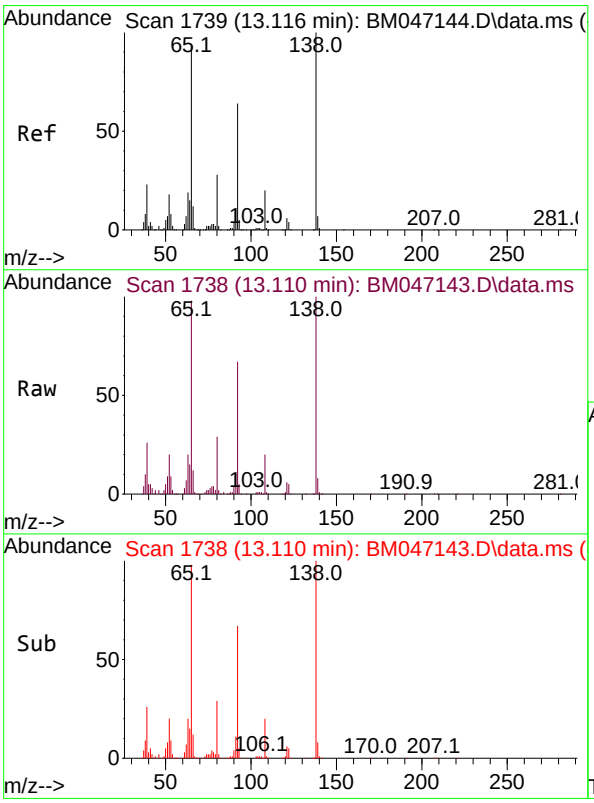
#47
2-Chloronaphthalene
Concen: 21.142 ng
RT: 12.887 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 879955

Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.0	45.0
164	32.6	26.3	39.5

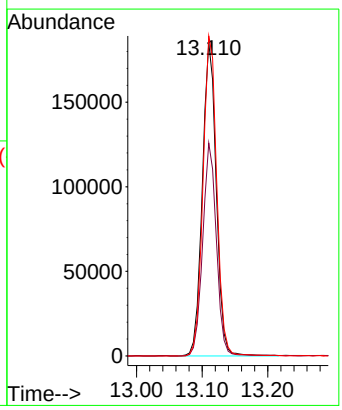


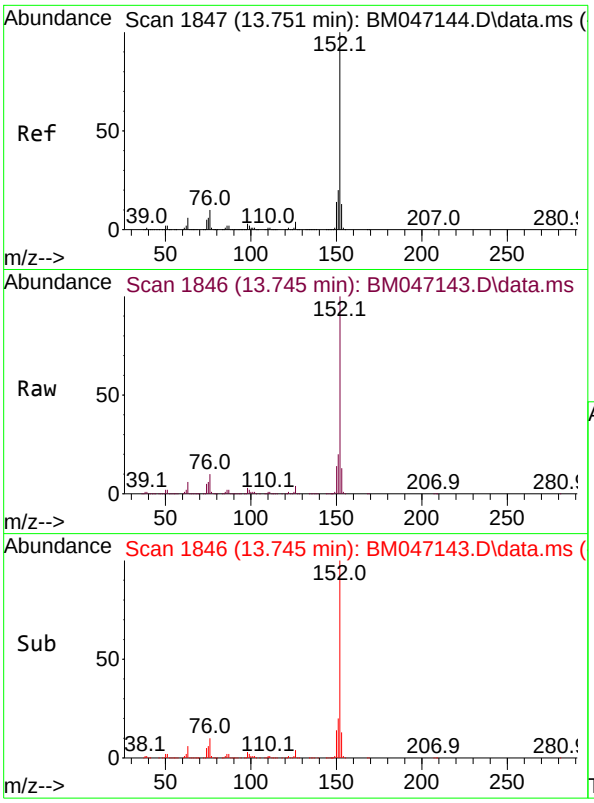


#48
2-Nitroaniline
Concen: 21.044 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 65 Resp: 274398

Ion	Ratio	Lower	Upper
65	100		
92	68.0	55.1	82.7
138	102.1	85.9	128.9



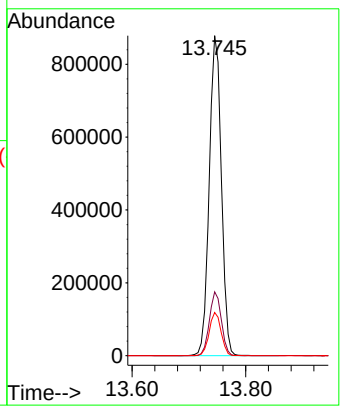


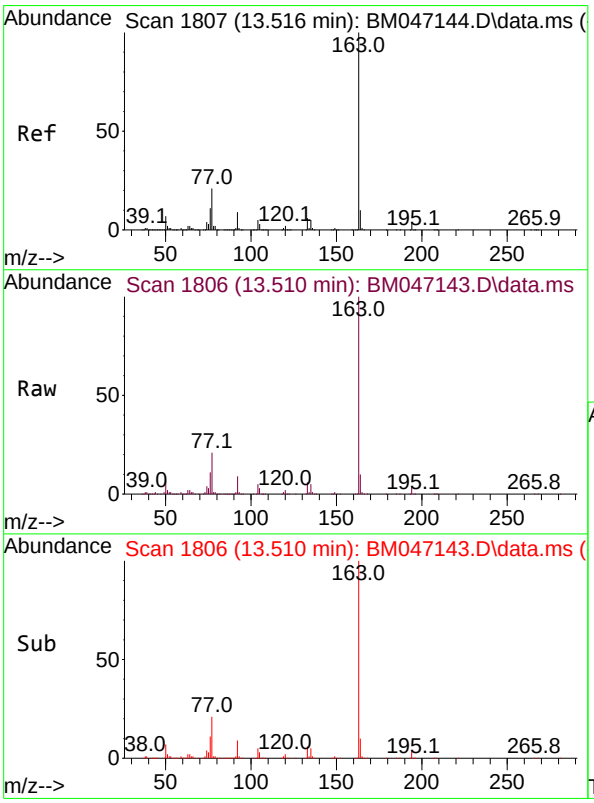
#49
Acenaphthylene
Concen: 21.117 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1295508

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.5	10.4	15.6

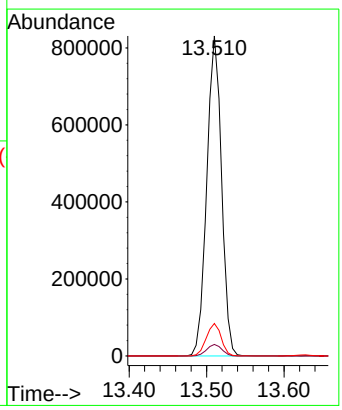


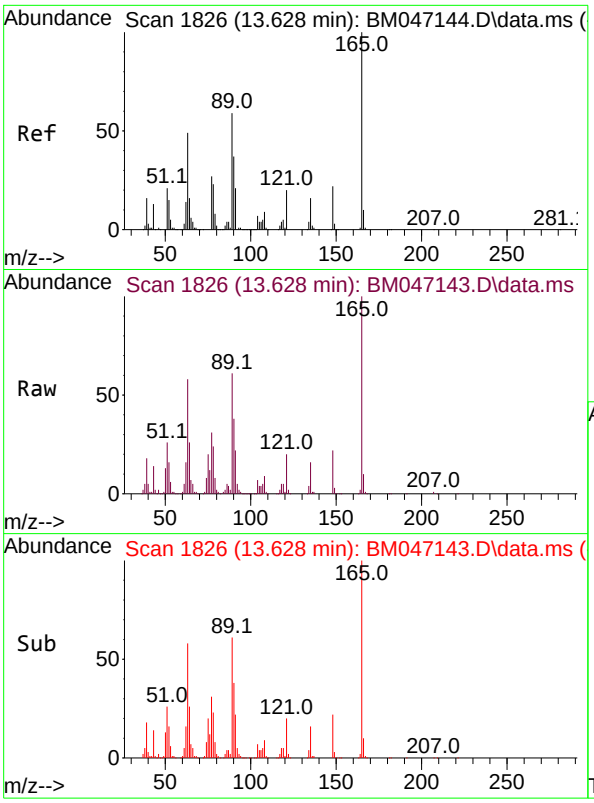


#50
Dimethylphthalate
Concen: 21.023 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:163 Resp: 1098249

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.2	8.0	12.0



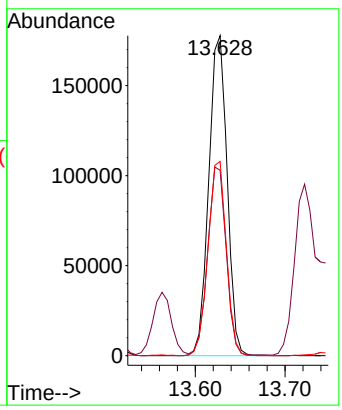


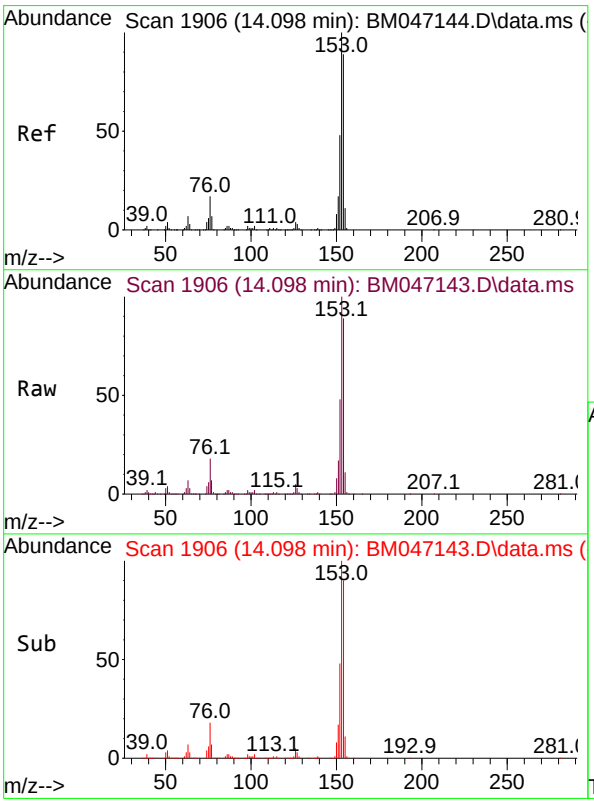
#51
2,6-Dinitrotoluene
Concen: 20.662 ng
RT: 13.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 252319

Ion	Ratio	Lower	Upper
165	100		
63	57.9	46.5	69.7
89	60.7	47.3	70.9

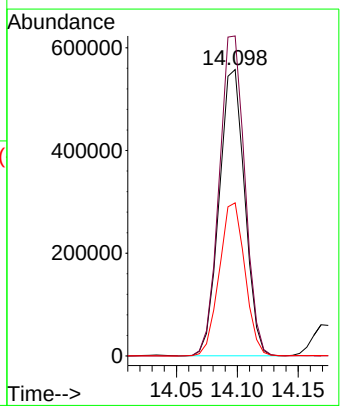


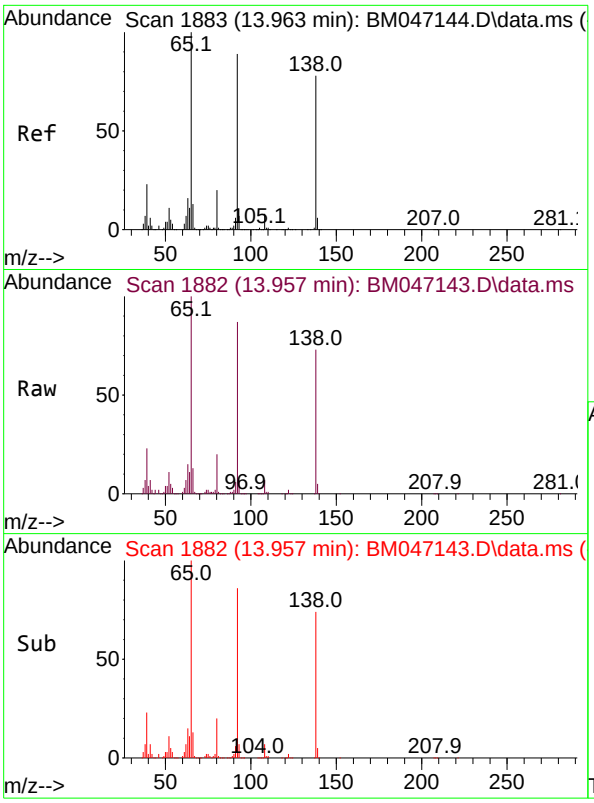


#52
Acenaphthene
Concen: 20.882 ng
RT: 14.098 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:154 Resp: 812631

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.3	135.5
152	53.5	42.9	64.3



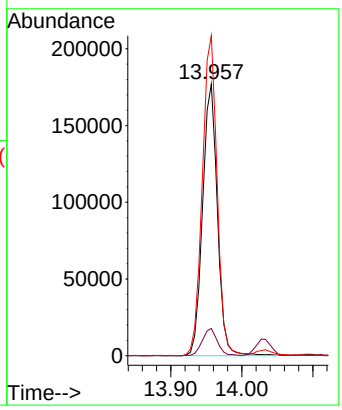


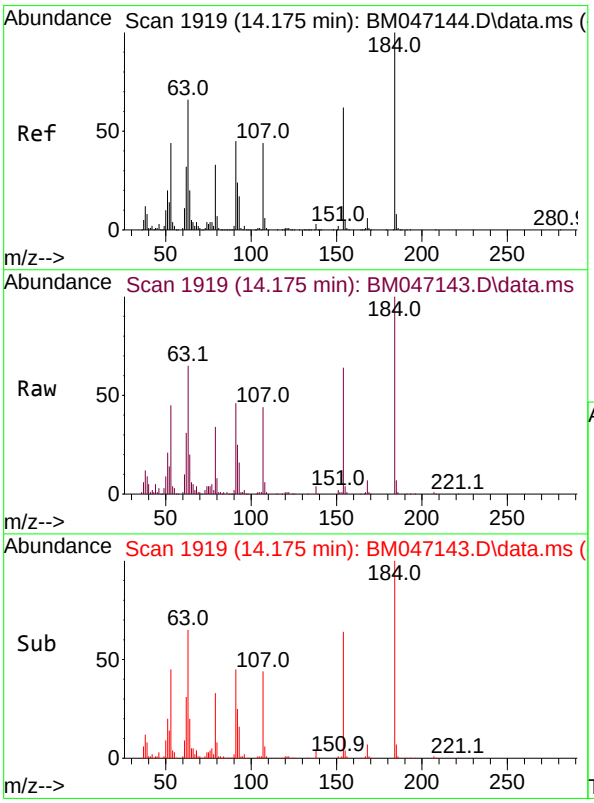
#53
3-Nitroaniline
Concen: 21.012 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 257120

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.9	11.9
92	117.8	92.0	138.0

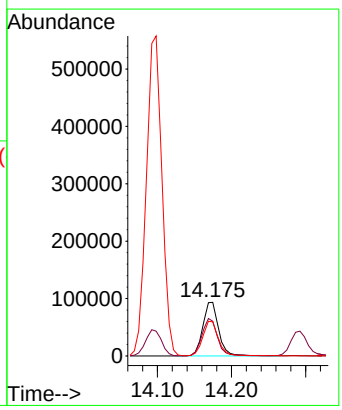


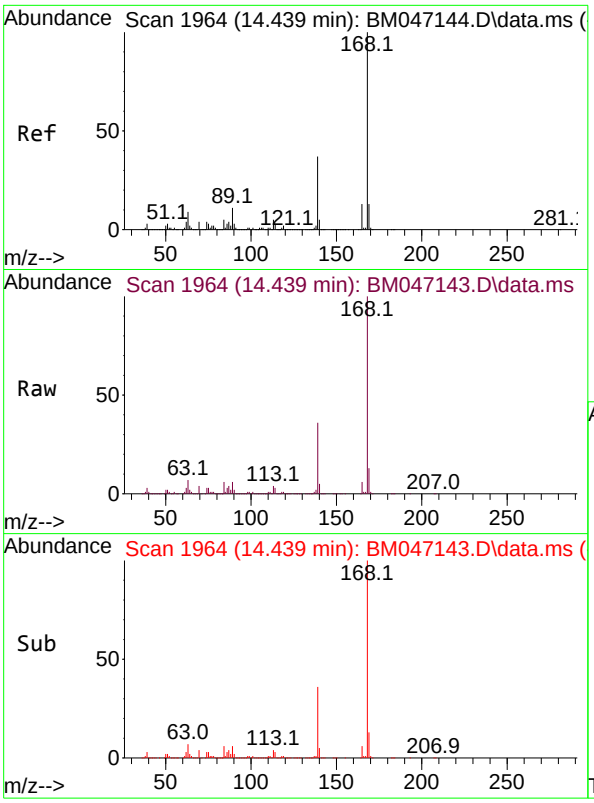


#54
2,4-Dinitrophenol
Concen: 18.886 ng
RT: 14.175 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:184 Resp: 138230

Ion	Ratio	Lower	Upper
184	100		
63	64.9	52.7	79.1
154	63.5	50.4	75.6



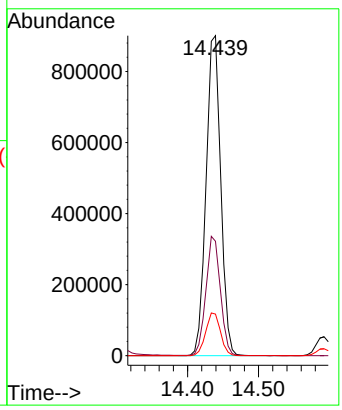


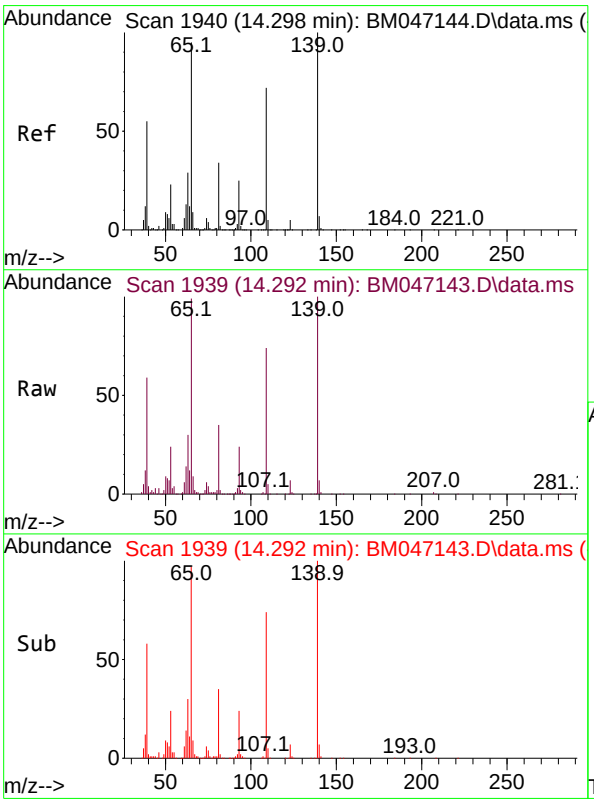
#55
Dibenzofuran
Concen: 21.028 ng
RT: 14.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1292618

Ion	Ratio	Lower	Upper
168	100		
139	35.8	29.6	44.4
169	13.0	10.7	16.1

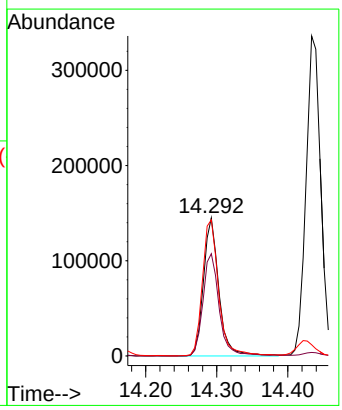


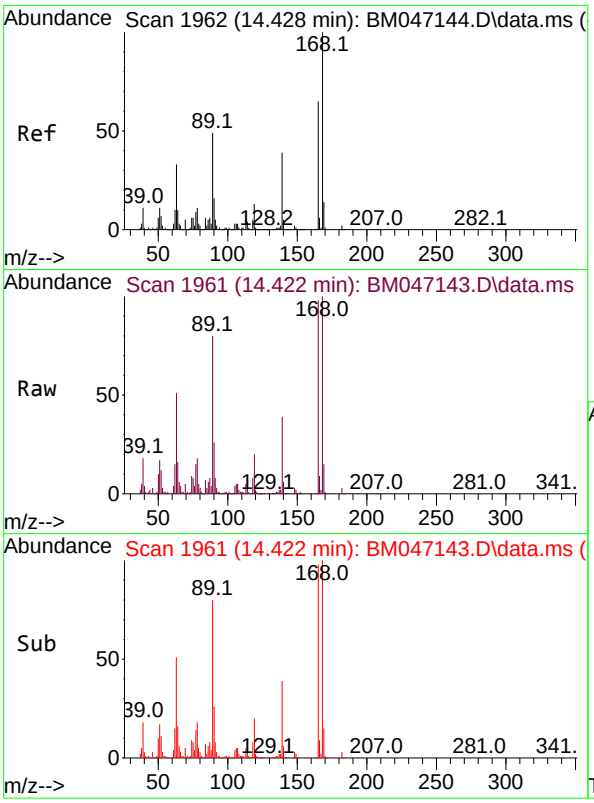


#56
4-Nitrophenol
Concen: 20.755 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:139 Resp: 219007

Ion	Ratio	Lower	Upper
139	100		
109	74.0	52.5	92.5
65	98.5	75.4	115.4



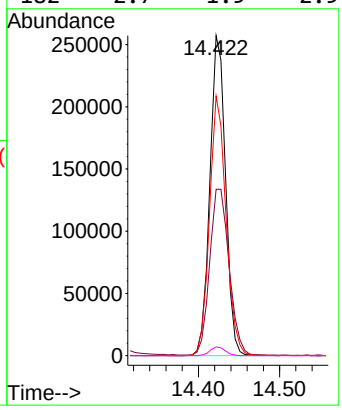


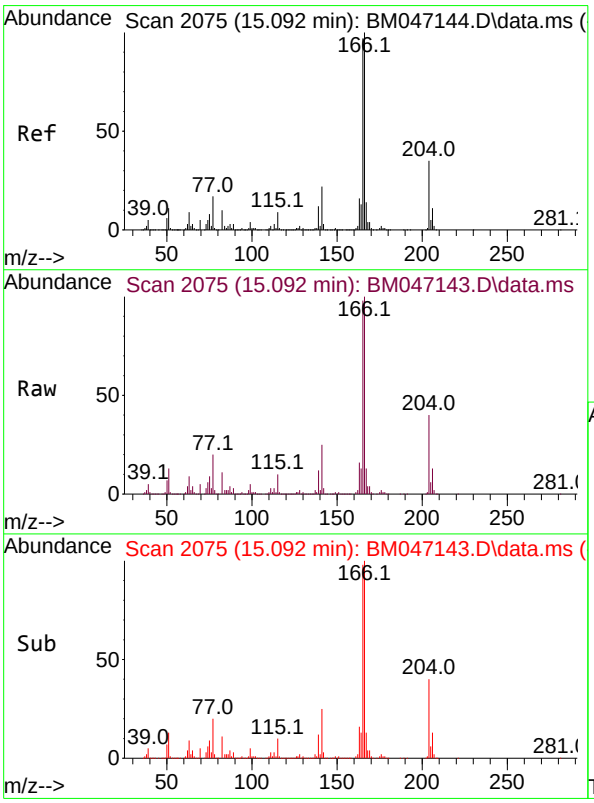
#57
2,4-Dinitrotoluene
Concen: 21.094 ng
RT: 14.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 343833

Ion	Ratio	Lower	Upper
165	100		
63	52.0	40.3	60.5
89	81.1	61.0	91.6
182	2.7	1.9	2.9

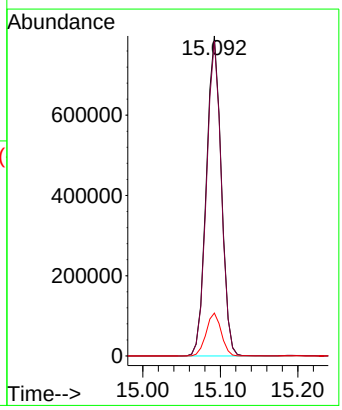


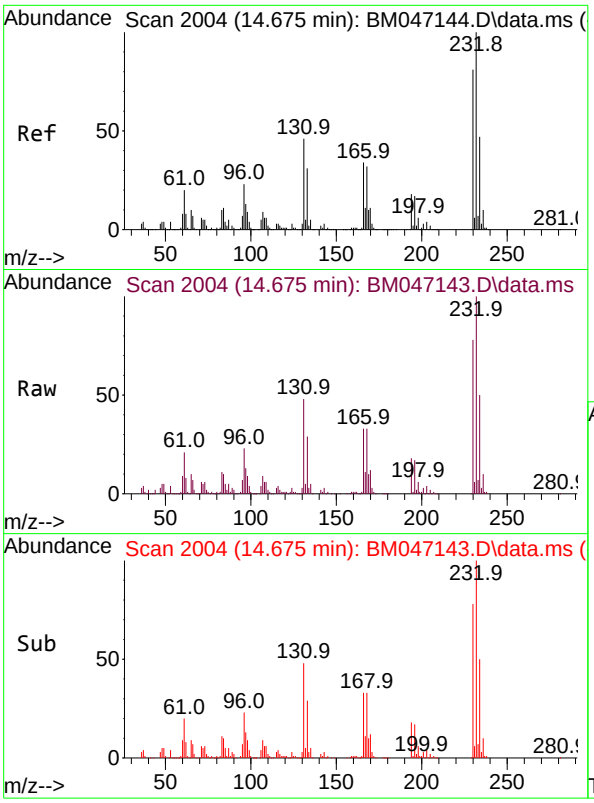


#58
Fluorene
Concen: 21.024 ng
RT: 15.092 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:166 Resp: 1066342

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.4	116.0
167	13.4	11.0	16.6



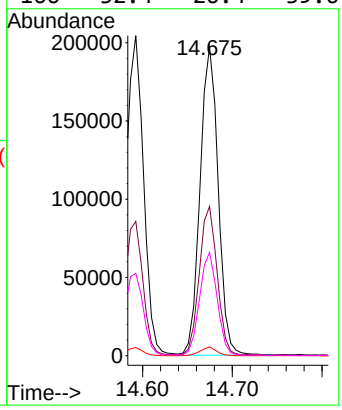


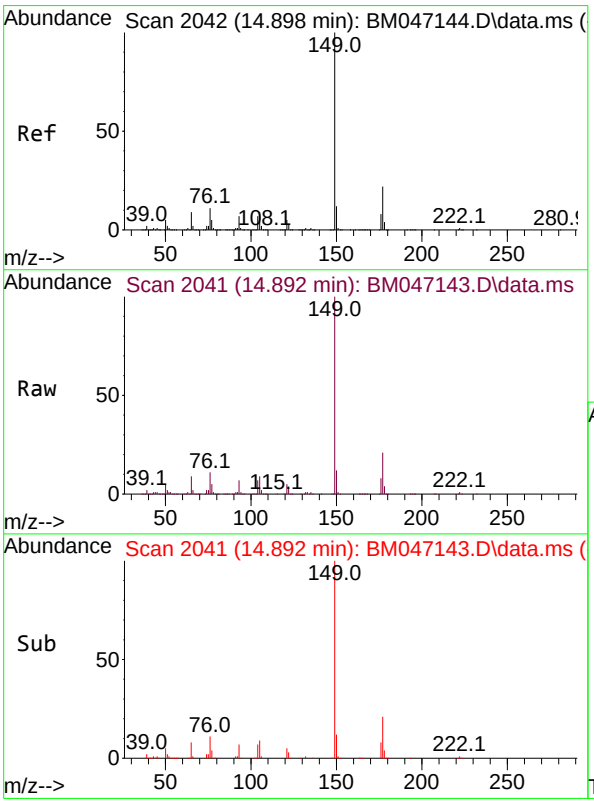
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.846 ng
RT: 14.675 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 275845

Ion	Ratio	Lower	Upper
232	100		
131	47.9	36.9	55.3
130	2.5	2.0	3.0
166	32.4	26.4	39.6

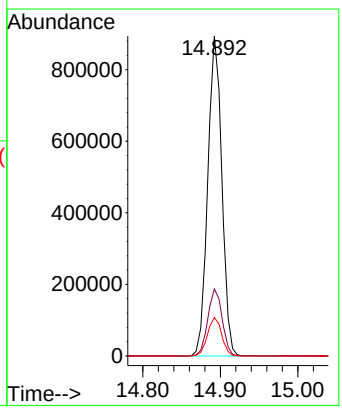


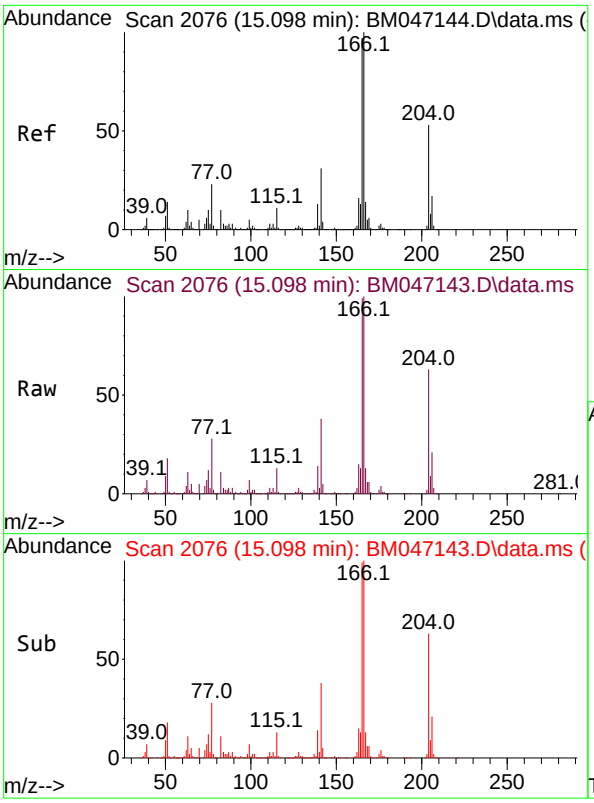


#60
Diethylphthalate
Concen: 21.113 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 1126281

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.6	26.4
150	12.0	9.8	14.6



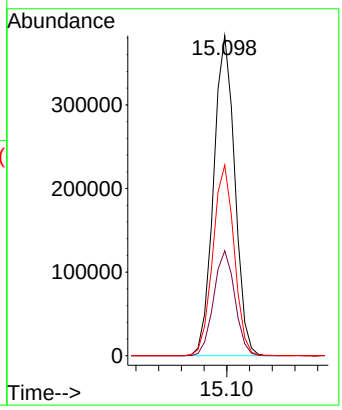


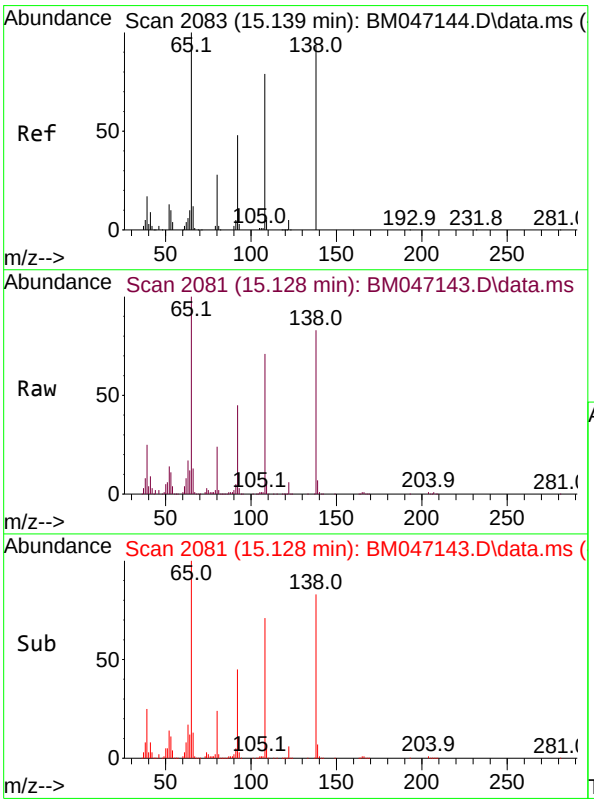
#61
4-Chlorophenyl-phenylether
Concen: 20.551 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 496242

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	59.5	47.2	70.8

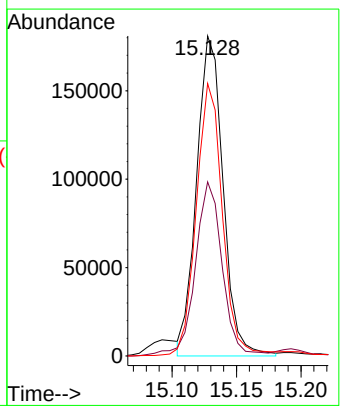


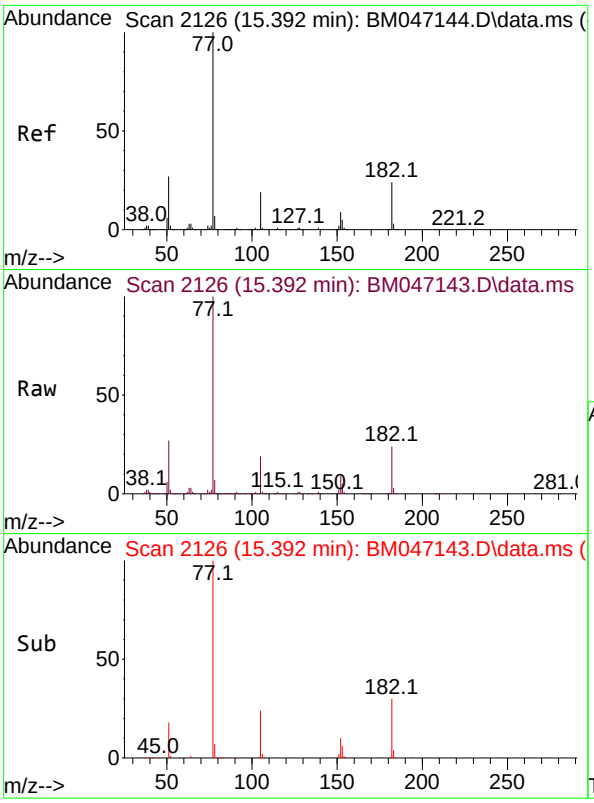


#62
4-Nitroaniline
Concen: 21.445 ng m
RT: 15.128 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:138 Resp: 258531

Ion	Ratio	Lower	Upper
138	100		
92	54.4	31.9	71.9
108	85.1	63.8	103.8



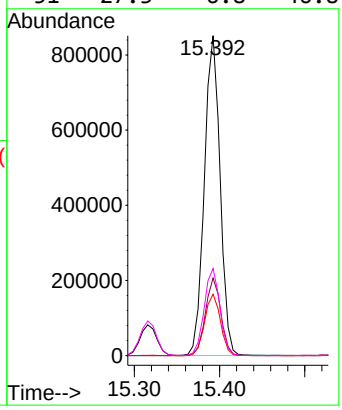


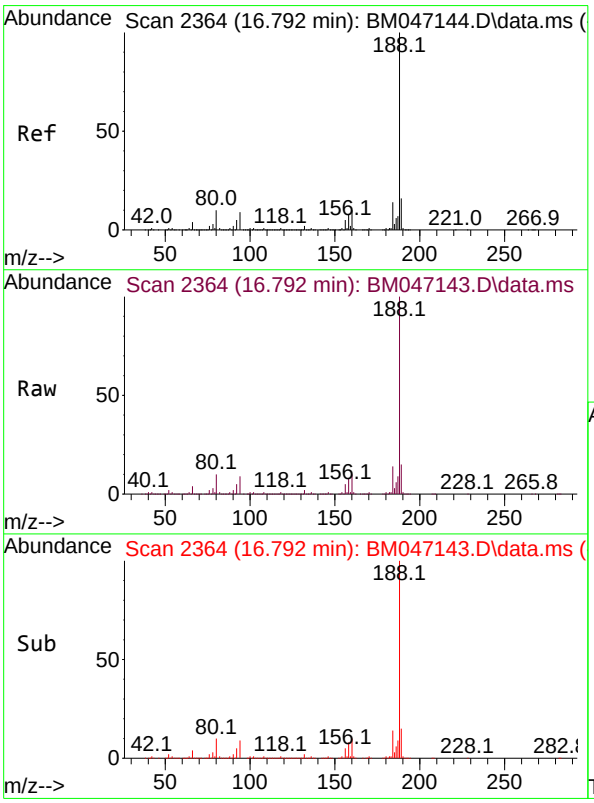
#63
Azobenzene
Concen: 21.550 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 1090035

Ion	Ratio	Lower	Upper
77	100		
182	24.2	3.8	43.8
105	19.2	0.0	39.5
51	27.3	6.8	46.8

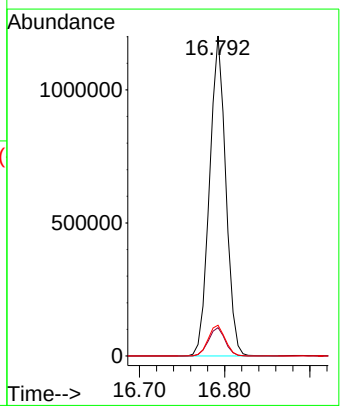


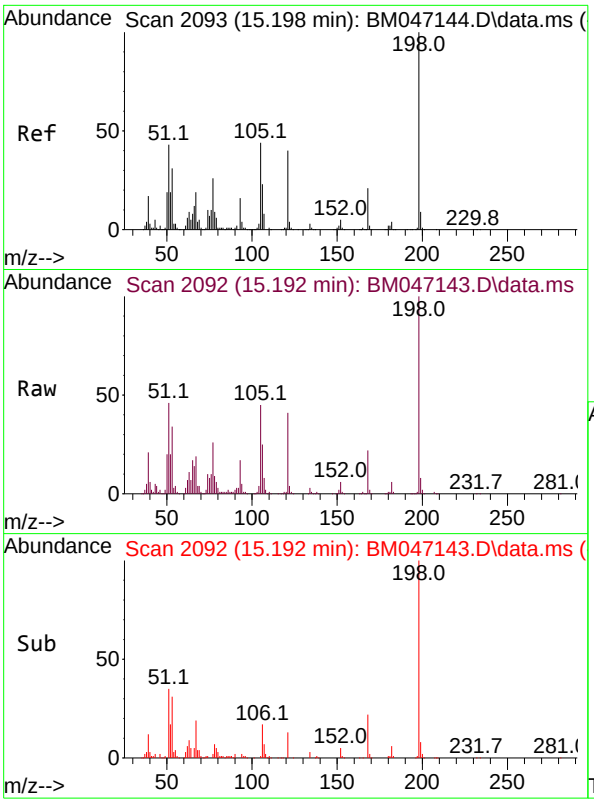


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:188 Resp: 1595663

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.6
80	9.6	8.0	12.0



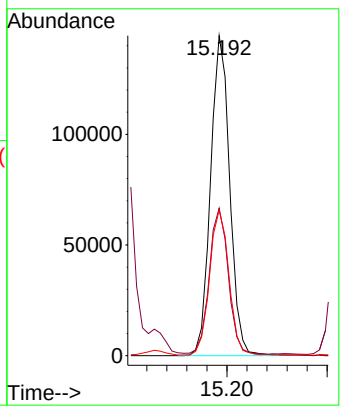


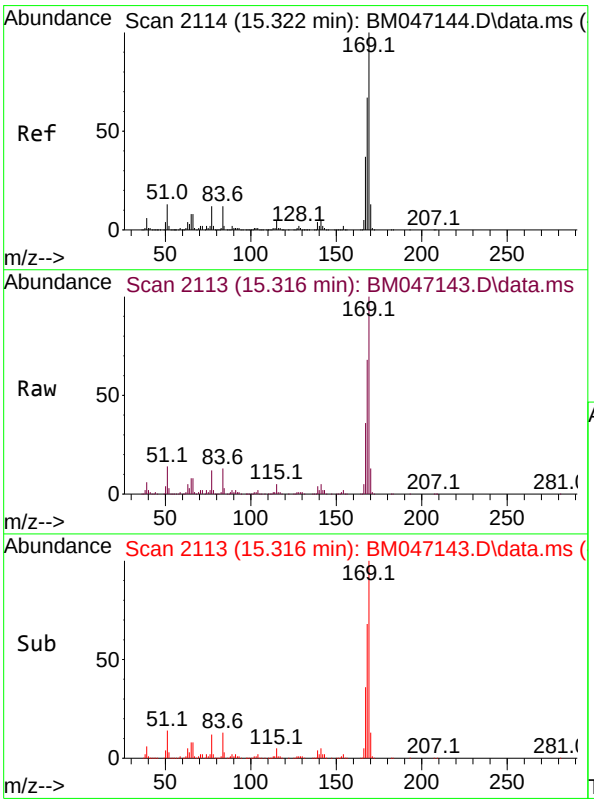
#65
4,6-Dinitro-2-methylphenol
Concen: 20.511 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 191622

Ion	Ratio	Lower	Upper
198	100		
51	46.1	23.9	63.9
105	45.5	24.3	64.3

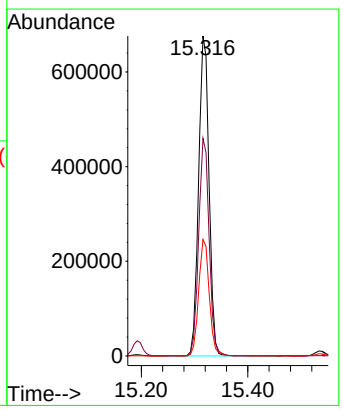


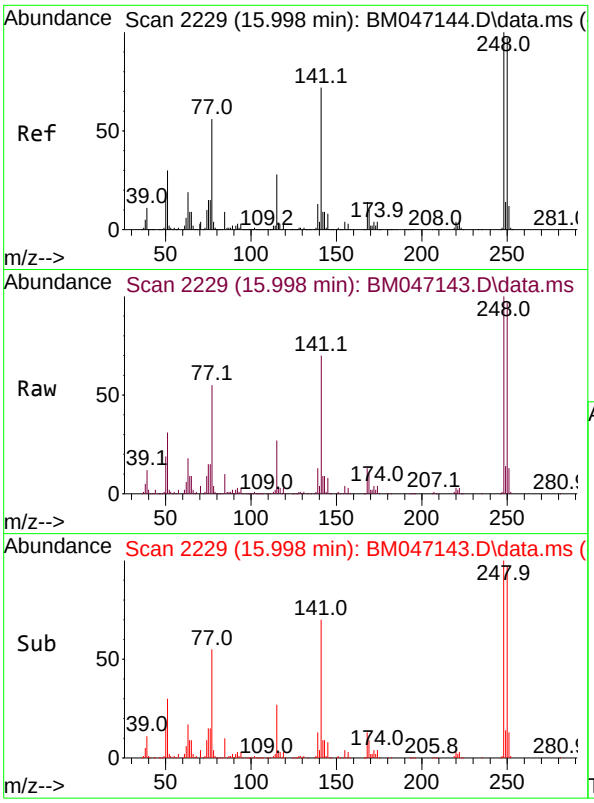


#66
n-Nitrosodiphenylamine
Concen: 21.049 ng
RT: 15.316 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:169 Resp: 914838

Ion	Ratio	Lower	Upper
169	100		
168	68.0	53.8	80.8
167	36.4	29.3	43.9



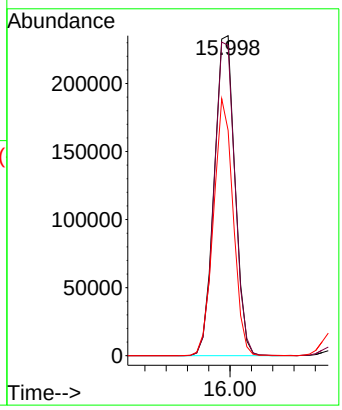


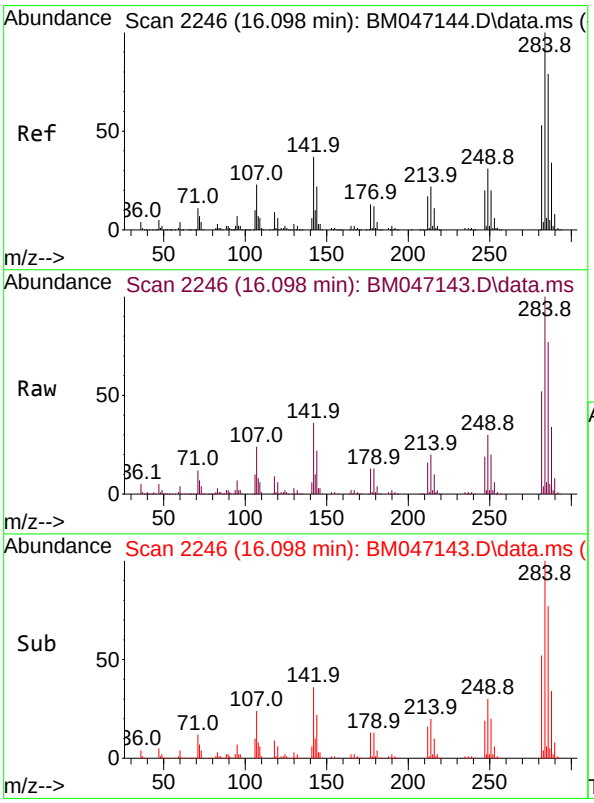
#67
4-Bromophenyl-phenylether
Concen: 20.583 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 316488

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.8
141	70.4	57.7	86.5

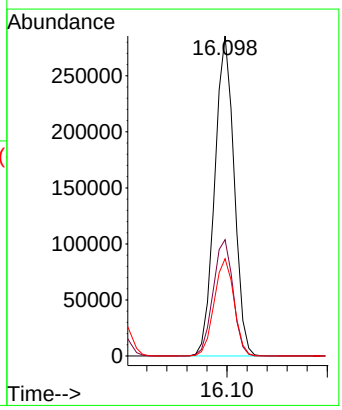


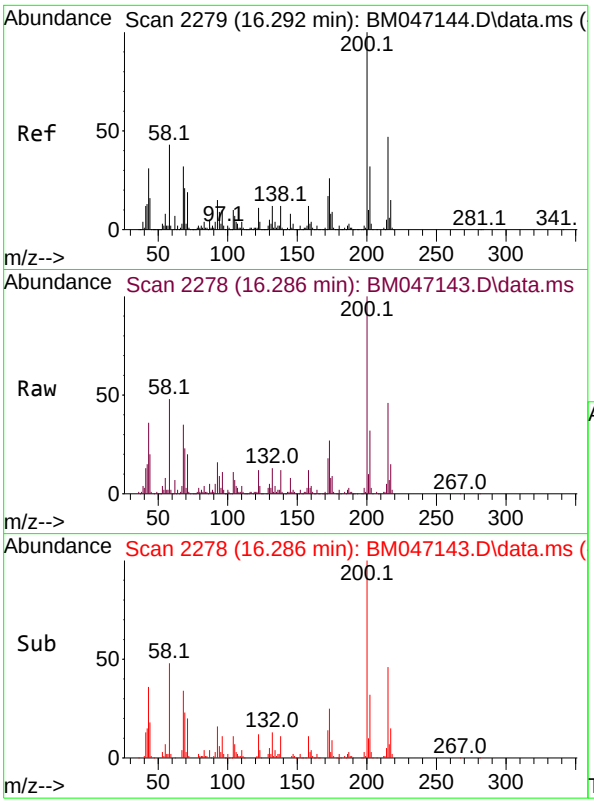


#68
Hexachlorobenzene
Concen: 20.765 ng
RT: 16.098 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:284 Resp: 382395

Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.4	44.0
249	30.4	25.1	37.7



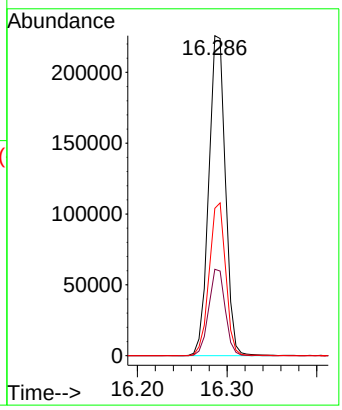


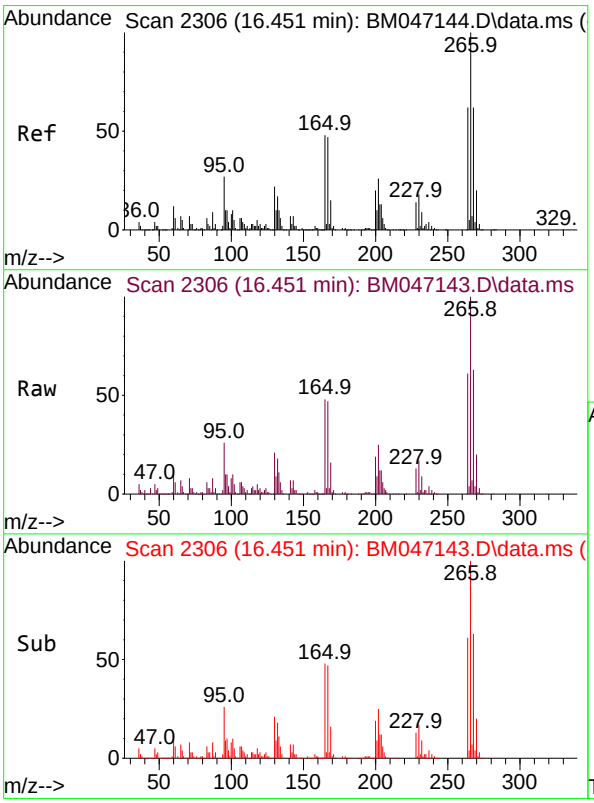
#69
Atrazine
Concen: 22.231 ng
RT: 16.286 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 290743

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.1	46.1
215	46.1	26.8	66.8

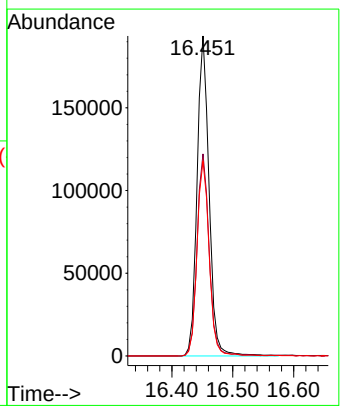


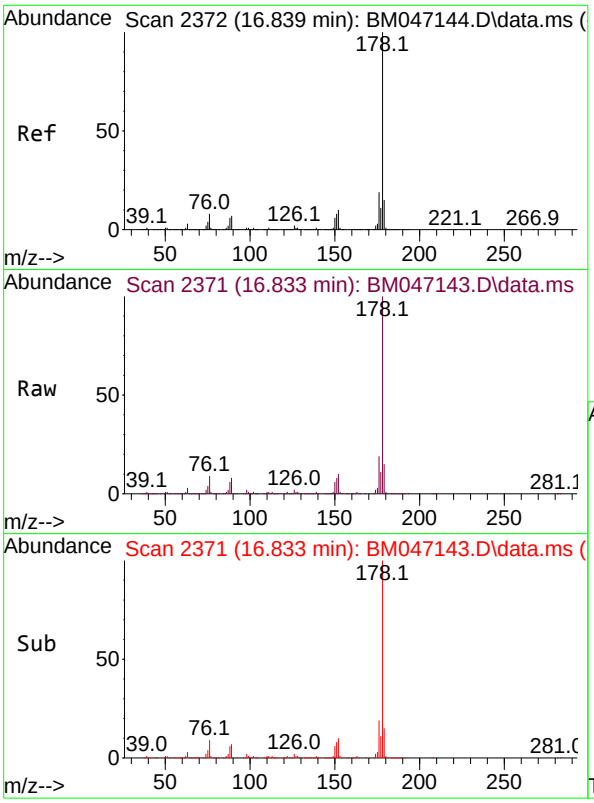


#70
Pentachlorophenol
Concen: 20.430 ng
RT: 16.451 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:266 Resp: 263728

Ion	Ratio	Lower	Upper
266	100		
268	63.1	49.8	74.6
264	60.8	49.6	74.4



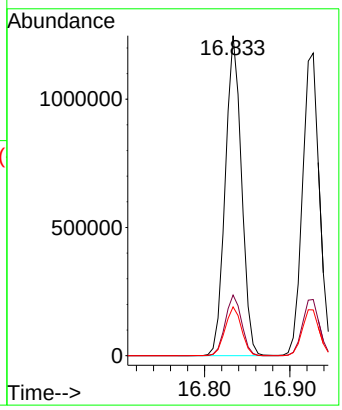


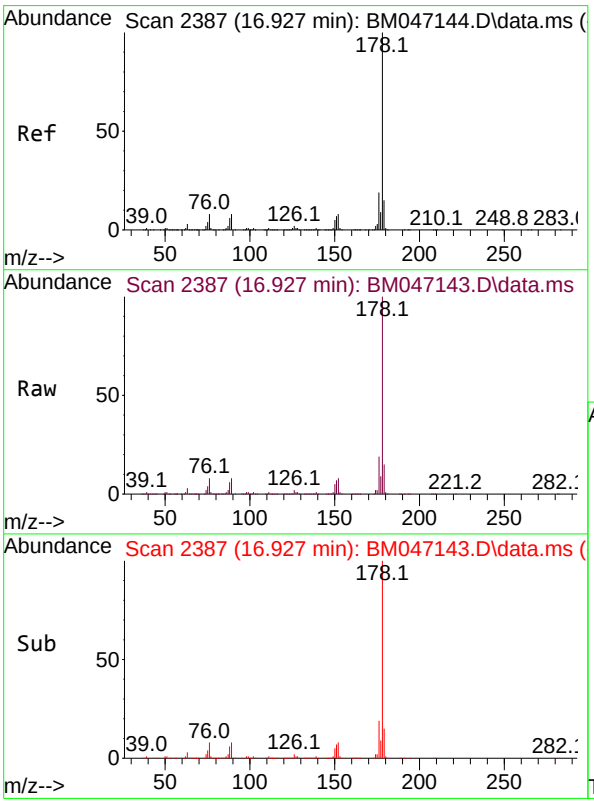
#71
Phenanthrene
Concen: 20.634 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1652375

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.4	18.6

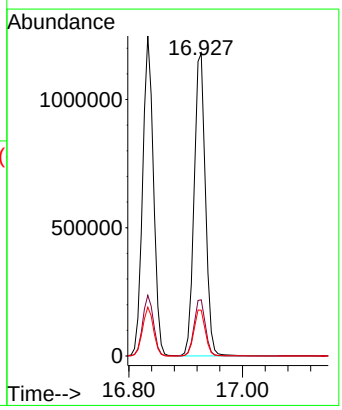


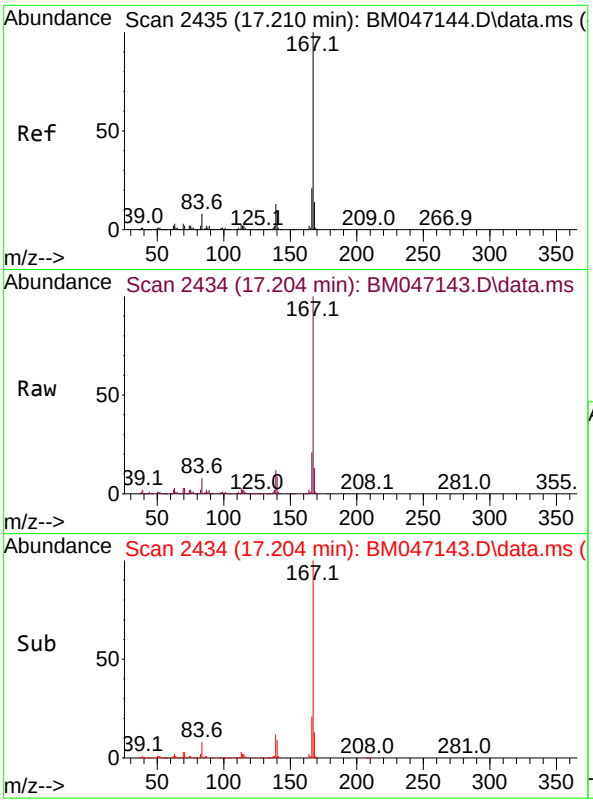


#72
Anthracene
Concen: 21.021 ng
RT: 16.927 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:178 Resp: 1637902

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.1	12.4	18.6



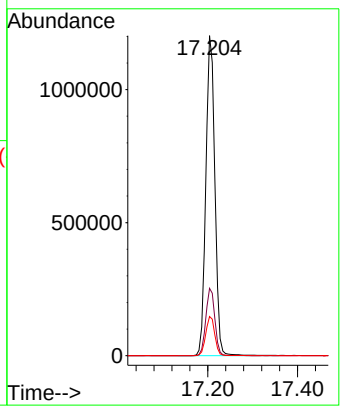


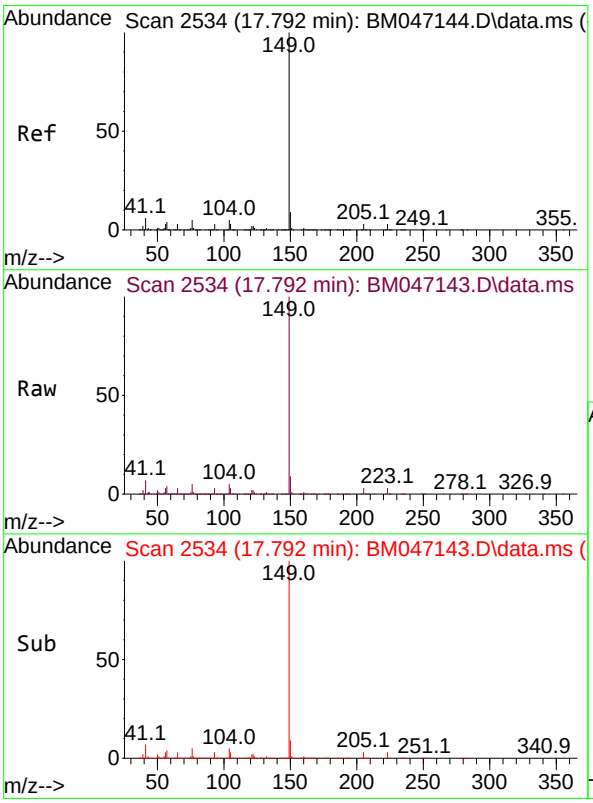
#73
Carbazole
Concen: 21.094 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1678200

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.2	10.0	15.0

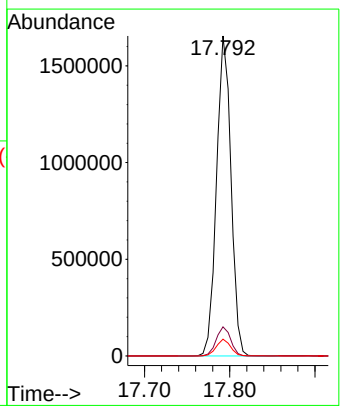


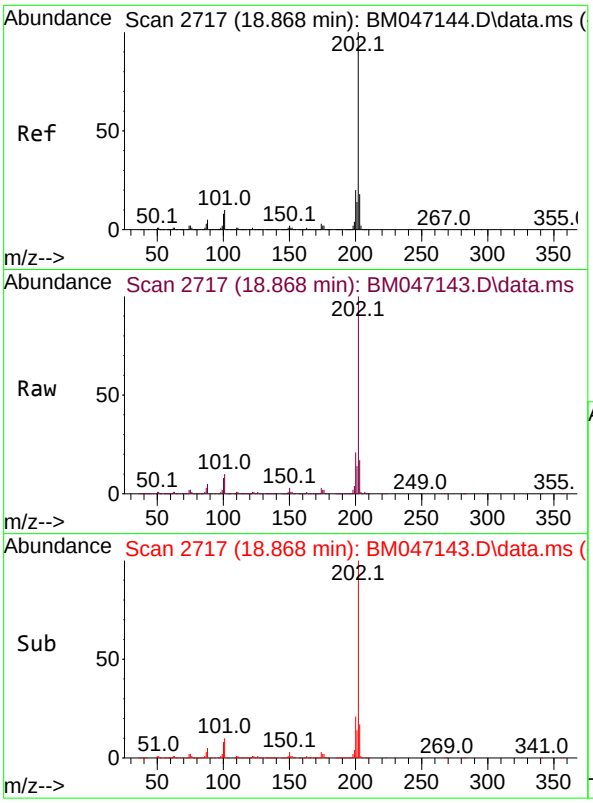


#74
Di-n-butylphthalate
Concen: 21.077 ng
RT: 17.792 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 1951166

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.3	4.1	6.1



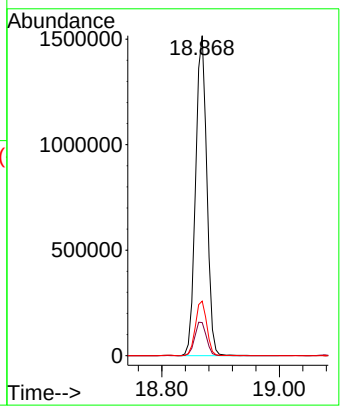


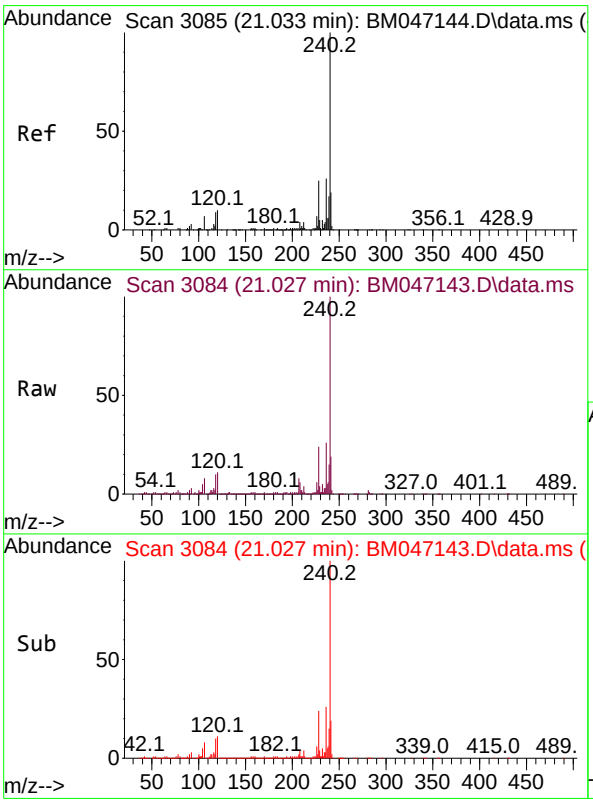
#75
Fluoranthene
Concen: 20.558 ng
RT: 18.868 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 2002438

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.2
203	17.1	0.0	37.6

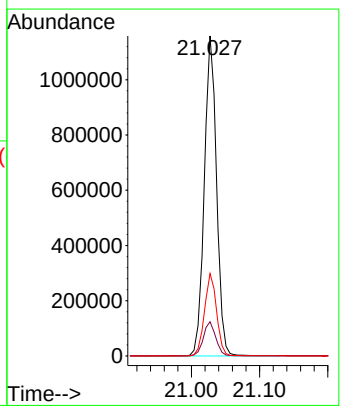


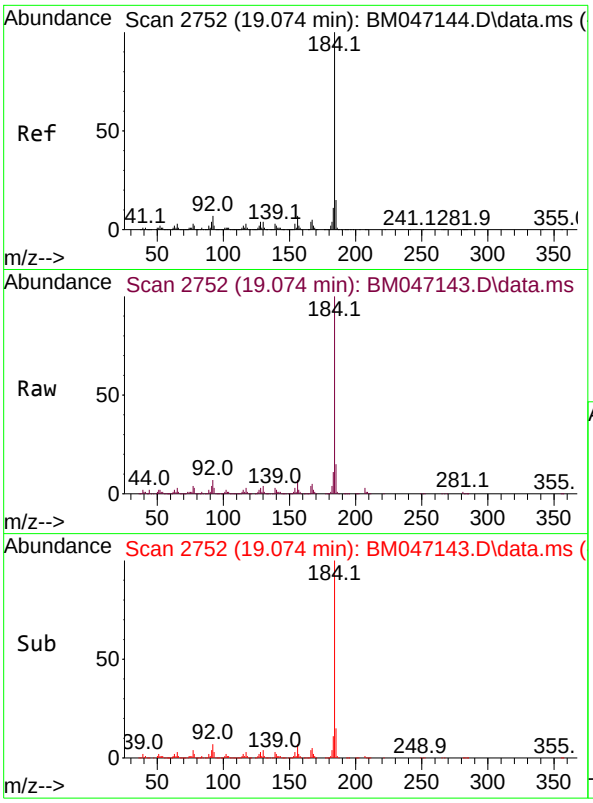


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:240 Resp: 1449202

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	25.8	20.6	30.8



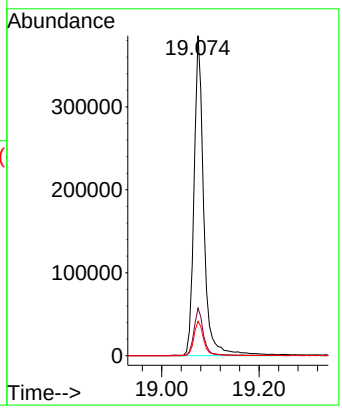


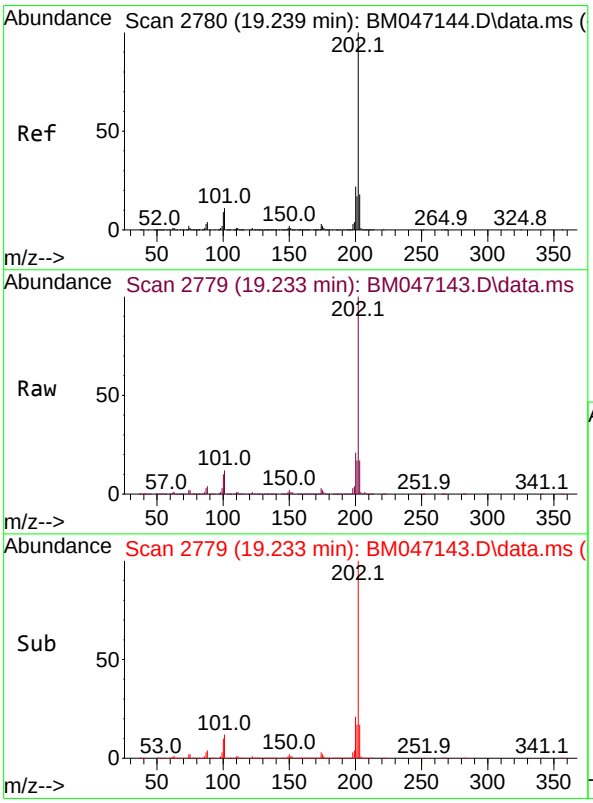
#77
Benzidine
Concen: 22.019 ng
RT: 19.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 541138

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.8	17.6
183	10.8	9.0	13.6

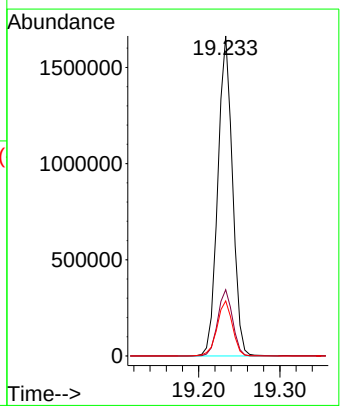


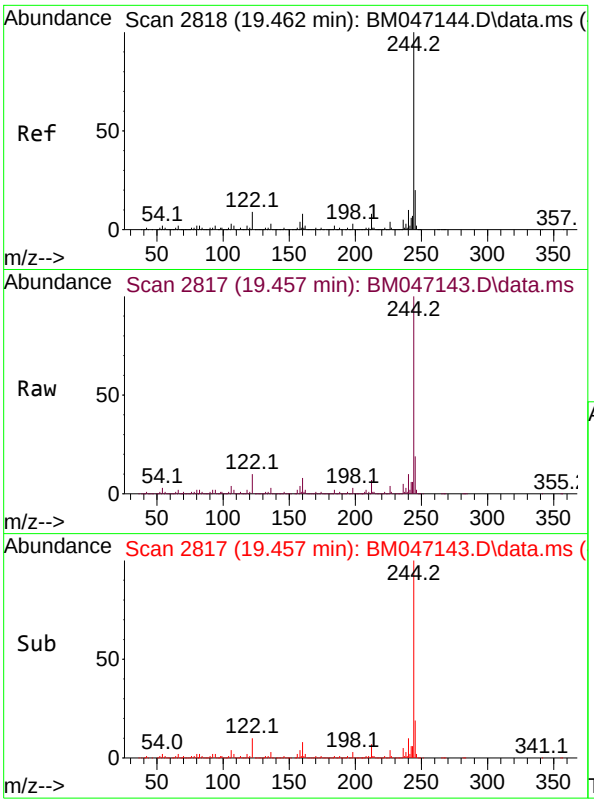


#78
Pyrene
Concen: 20.215 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:202 Resp: 2091746

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.2	25.8
203	17.2	14.2	21.2



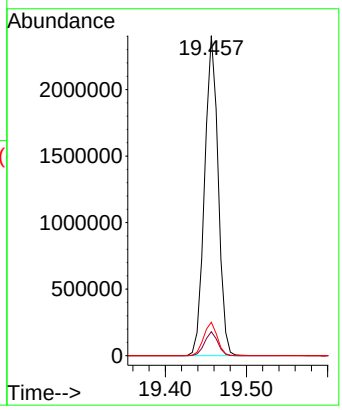


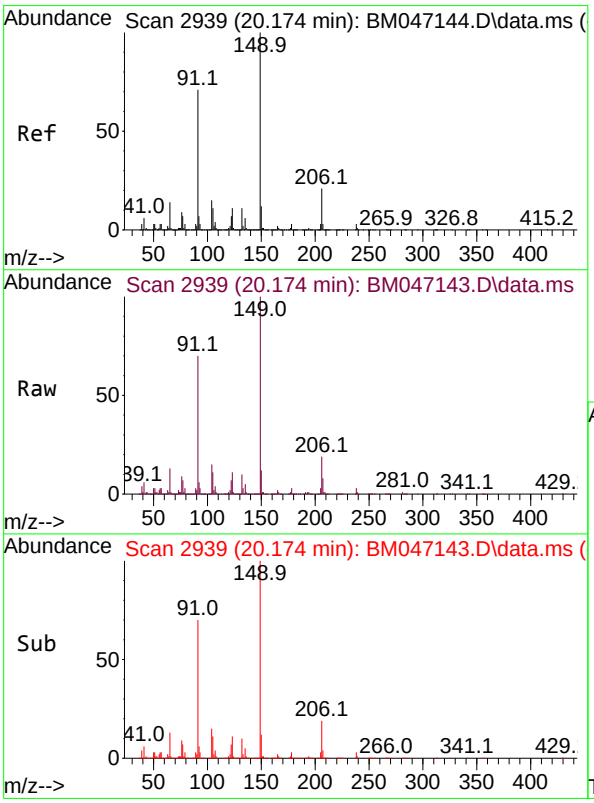
#79
Terphenyl-d14
Concen: 41.052 ng
RT: 19.457 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2776457

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.4
122	10.5	7.1	10.7

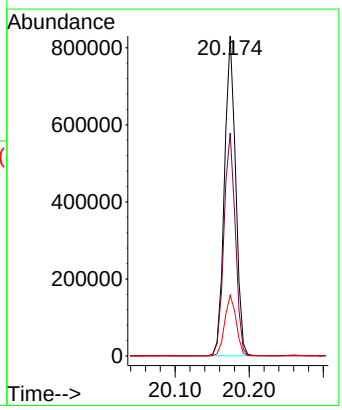


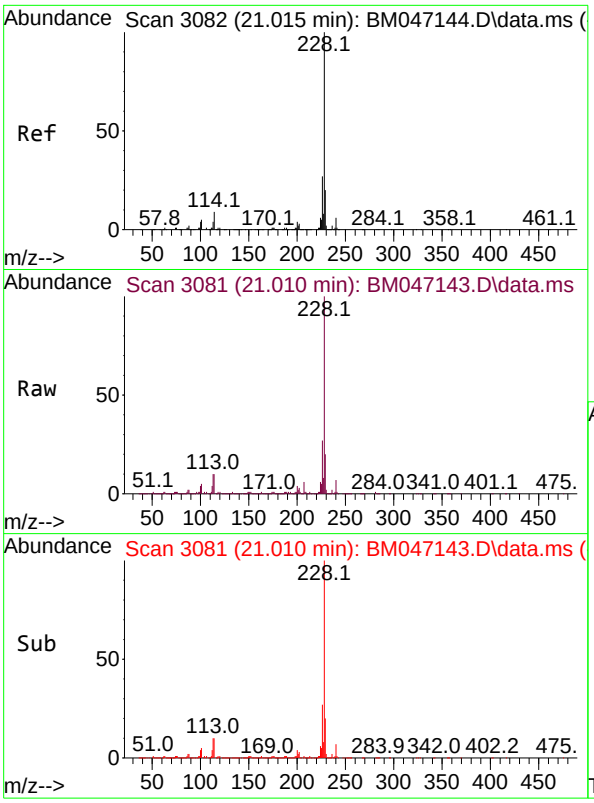


#80
Butylbenzylphthalate
Concen: 20.580 ng
RT: 20.174 min Scan# 2939
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 869066

Ion	Ratio	Lower	Upper
149	100		
91	69.6	57.0	85.4
206	19.0	16.4	24.6



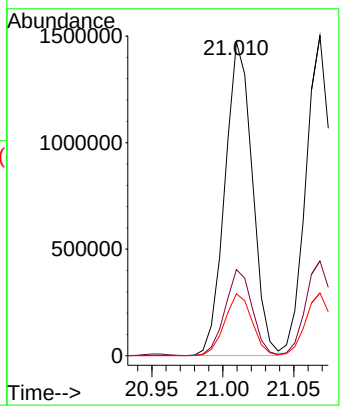


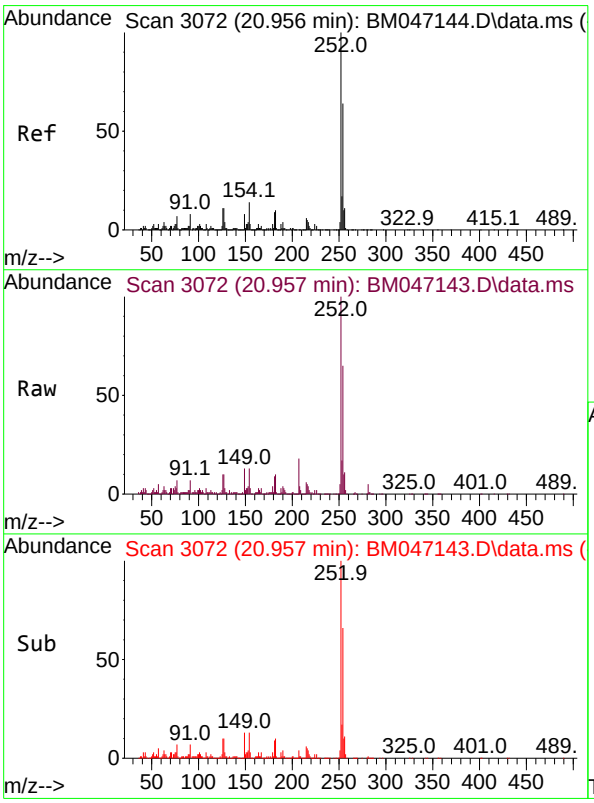
#81
Benzo(a)anthracene
Concen: 20.554 ng
RT: 21.010 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1977415

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	19.8	15.8	23.8

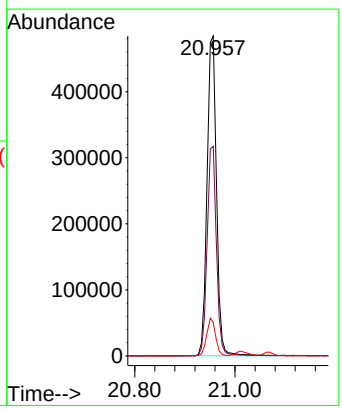


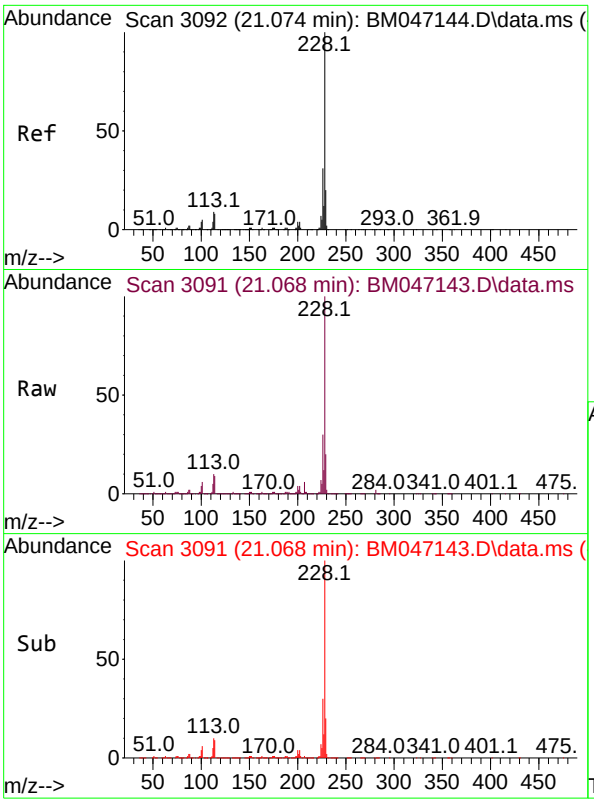


#82
3,3'-Dichlorobenzidine
Concen: 21.130 ng
RT: 20.957 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:252 Resp: 636034

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.0	76.6
126	10.4	8.5	12.7



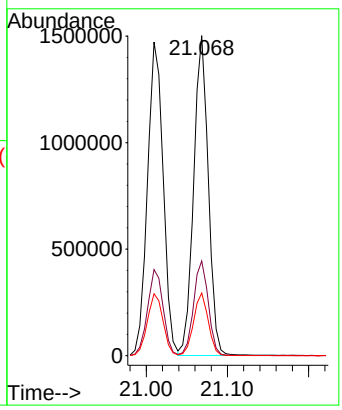


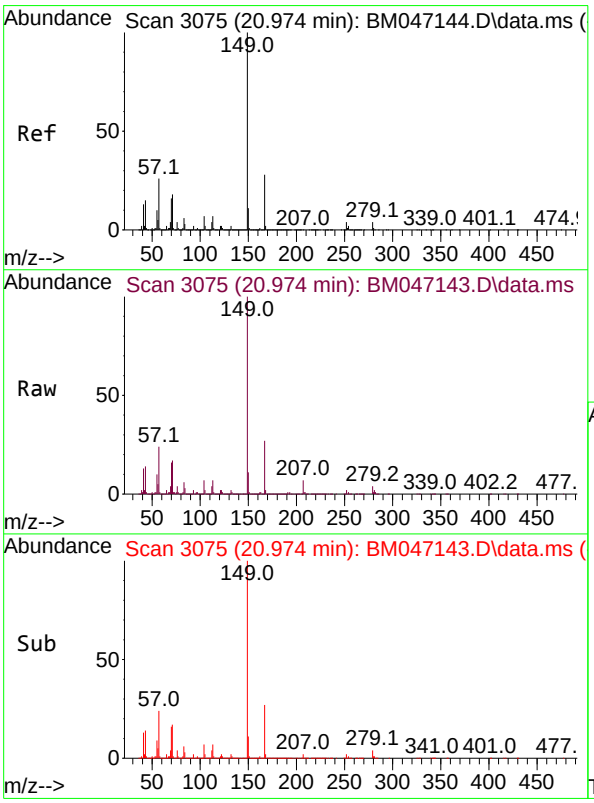
#83
Chrysene
Concen: 20.657 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1885561

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	19.6	15.7	23.5

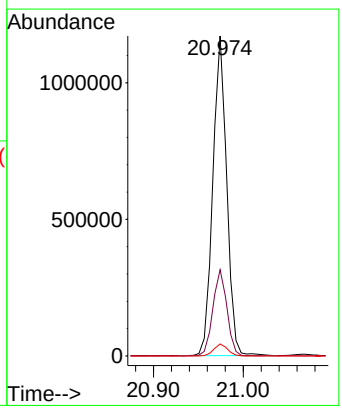


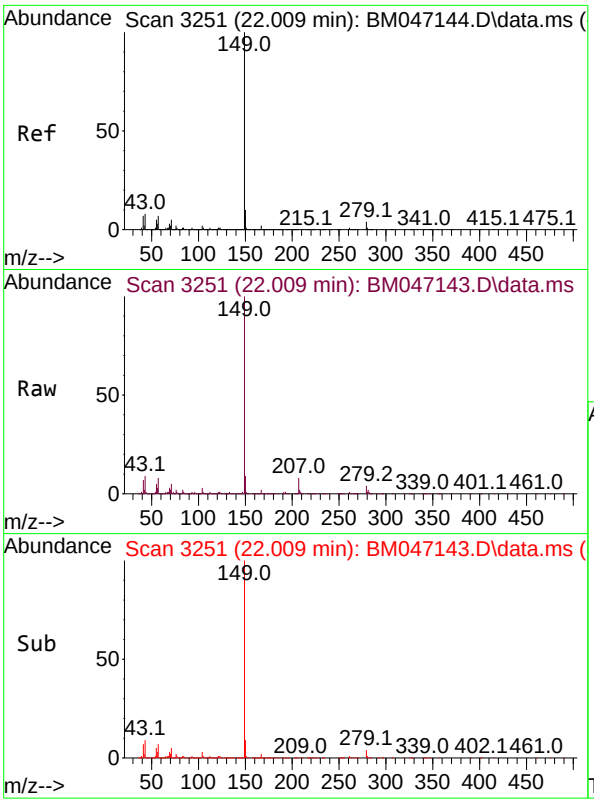


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.992 ng
RT: 20.974 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 1257178

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.2	33.2
279	3.8	3.0	4.4



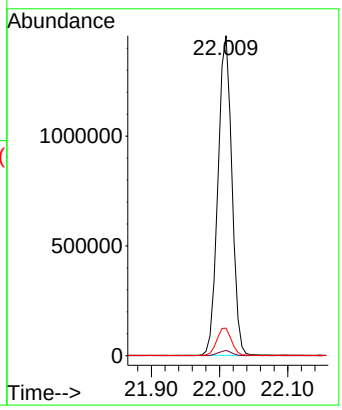


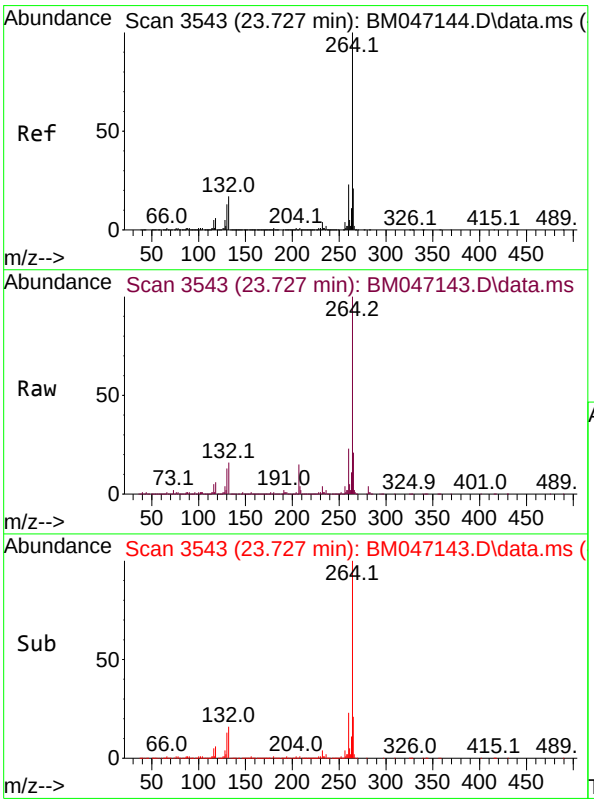
#85
Di-n-octyl phthalate
Concen: 20.358 ng
RT: 22.009 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 2072238

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	6.9	10.3

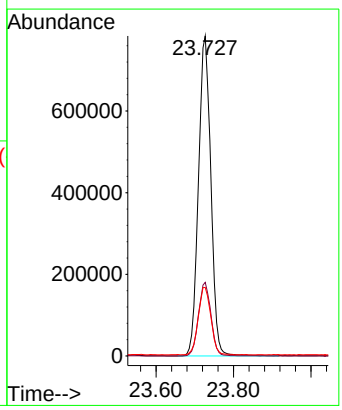


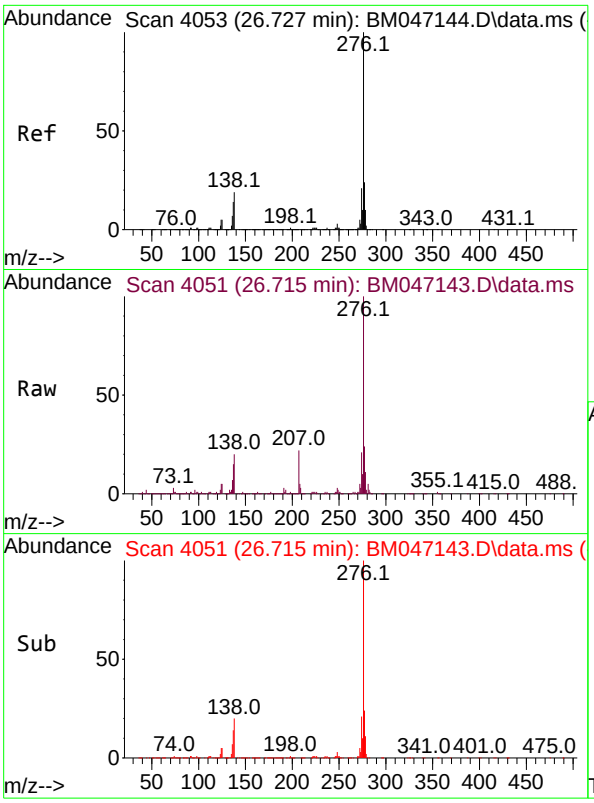


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:264 Resp: 1737656

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.4	17.3	25.9



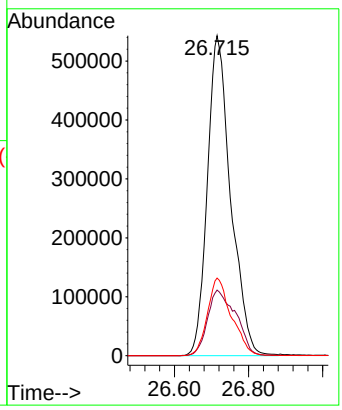


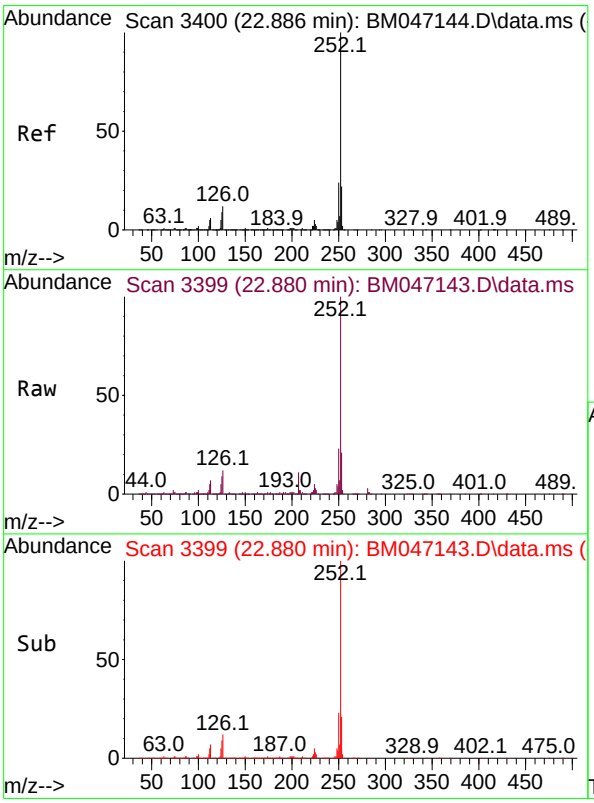
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.135 ng
RT: 26.715 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2373808

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.4	29.0
277	25.0	20.1	30.1

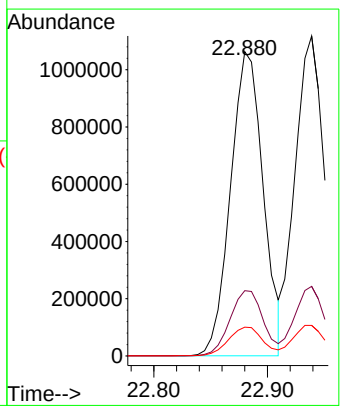


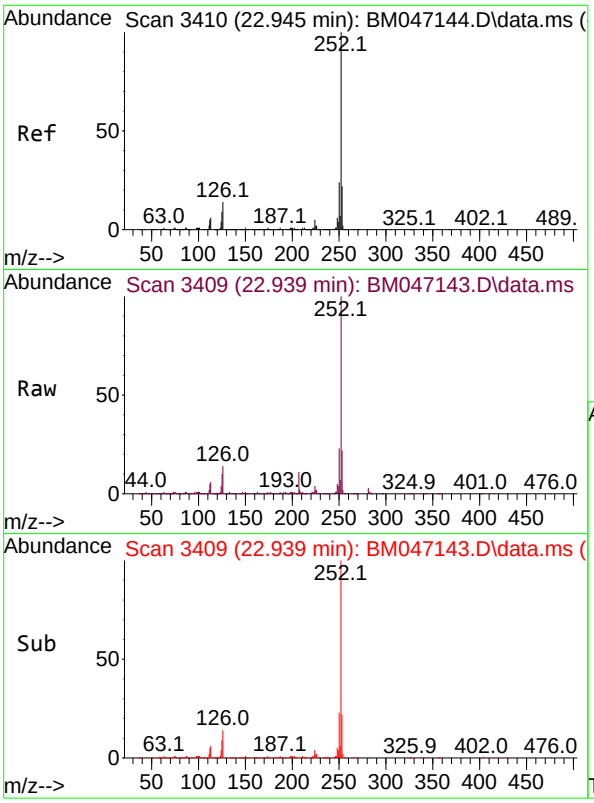


#88
Benzo(b)fluoranthene
Concen: 20.581 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:252 Resp: 2123837

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	9.5	7.4	11.0



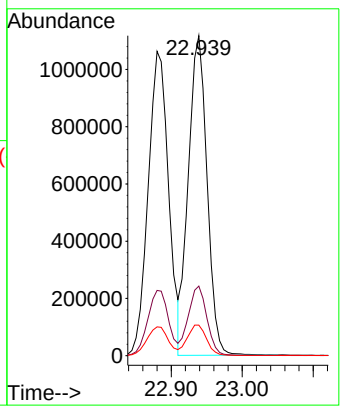


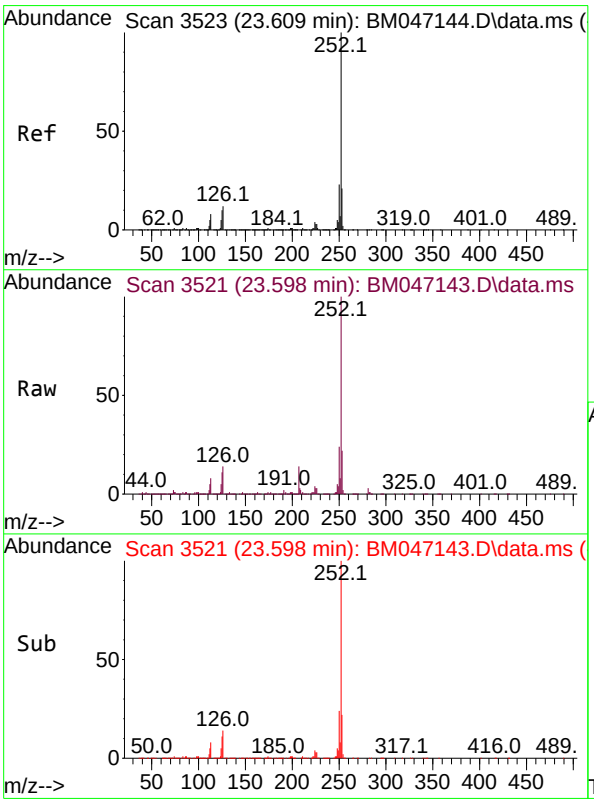
#89
Benzo(k)fluoranthene
Concen: 20.948 ng
RT: 22.939 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 2041826

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.6	7.4	11.2

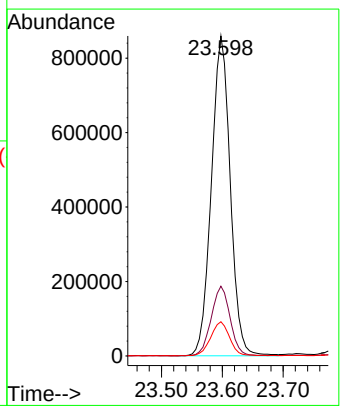


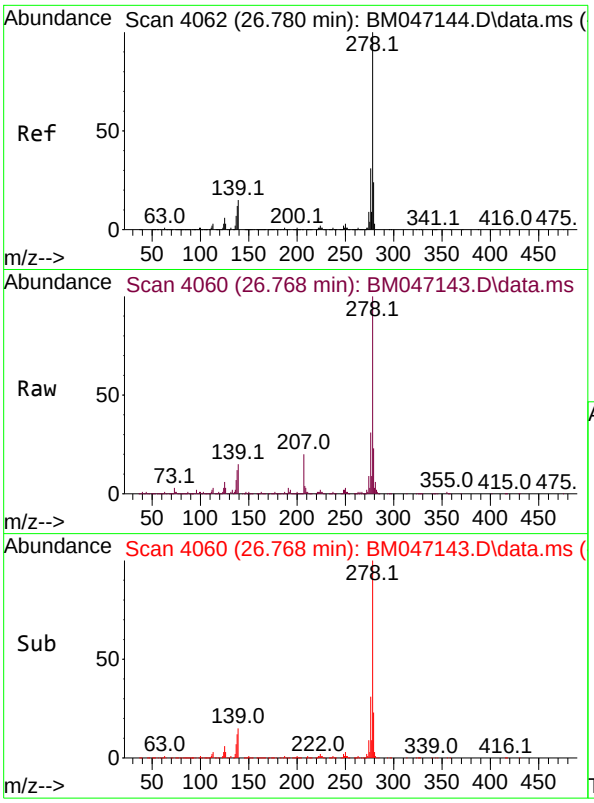


#90
Benzo(a)pyrene
Concen: 20.712 ng
RT: 23.598 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:252 Resp: 1851508

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.7	8.2	12.2



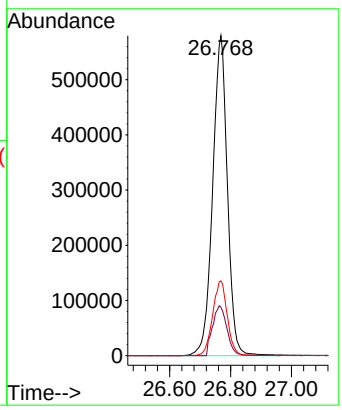


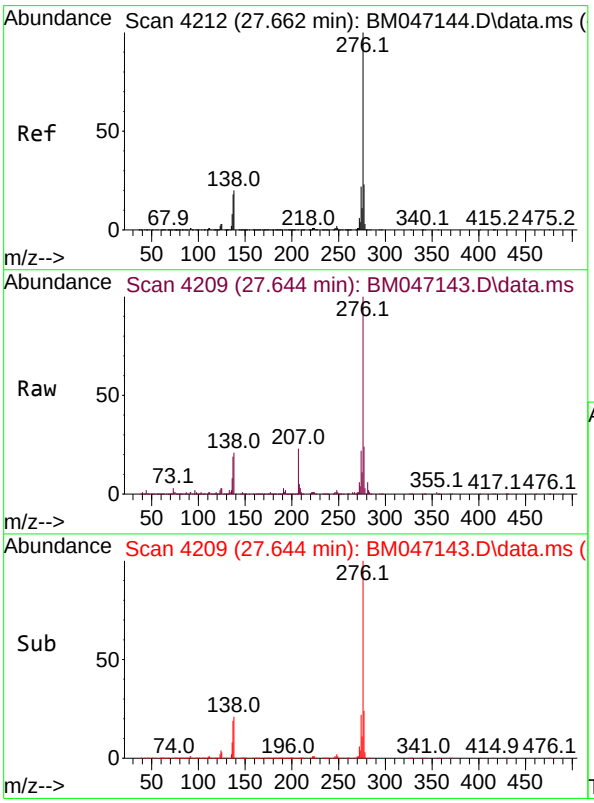
#91
Dibenzo(a,h)anthracene
Concen: 21.393 ng
RT: 26.768 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1944551

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.0	18.0
279	23.4	19.2	28.8

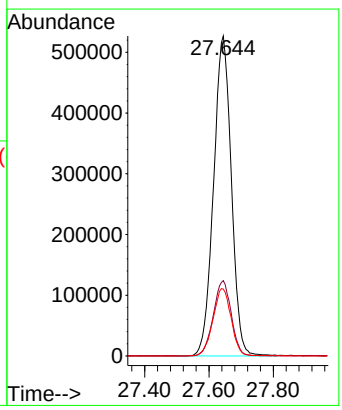




#92
Benzo(g,h,i)perylene
Concen: 21.405 ng
RT: 27.644 min Scan# 4209
Delta R.T. -0.018 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:276 Resp: 2020018

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	20.9	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047144.D
Acq On : 10 Aug 2024 15:51
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Aug 11 23:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	343346	20.000	ng	0.00
21) Naphthalene-d8	10.134	136	1387685	20.000	ng	0.00
39) Acenaphthene-d10	14.033	164	915049	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1901562	20.000	ng	0.00
76) Chrysene-d12	21.033	240	1674112	20.000	ng	0.00
86) Perylene-d12	23.727	264	2019244	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1471191	76.564	ng	0.00
7) Phenol-d6	6.587	99	2029645	76.657	ng	0.00
23) Nitrobenzene-d5	8.522	82	2162113	78.454	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	847891	79.913	ng	0.00
45) 2-Fluorobiphenyl	12.645	172	4628326	78.021	ng	0.00
79) Terphenyl-d14	19.462	244	6271744	80.275	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	301045	37.812	ng	100
3) Pyridine	3.411	79	894414m	38.338	ng	
4) n-Nitrosodimethylamine	3.328	42	391342	38.367	ng	100
6) Aniline	6.728	93	980743	39.189	ng	100
8) 2-Chlorophenol	6.952	128	813486	38.816	ng	100
9) Benzaldehyde	6.540	77	532876	37.348	ng	100
10) Phenol	6.610	94	997737	37.765	ng	100
11) bis(2-Chloroethyl)ether	6.828	93	881082	38.943	ng	100
12) 1,3-Dichlorobenzene	7.263	146	966606	38.813	ng	100
13) 1,4-Dichlorobenzene	7.410	146	981161	38.912	ng	100
14) 1,2-Dichlorobenzene	7.716	146	902511	37.935	ng	100
15) Benzyl Alcohol	7.628	79	754177	40.023	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1139263	39.195	ng	100
17) 2-Methylphenol	7.834	107	688729	39.076	ng	100
18) Hexachloroethane	8.428	117	378211	38.722	ng	100
19) n-Nitroso-di-n-propyla...	8.187	70	674051	37.795	ng	100
20) 3+4-Methylphenols	8.163	107	969100	39.329	ng	100
22) Acetophenone	8.198	105	1283137	38.307	ng	100
24) Nitrobenzene	8.563	77	1091975	39.350	ng	100
25) Isophorone	9.093	82	1909053	39.785	ng	100
26) 2-Nitrophenol	9.263	139	504016	41.011	ng	100
27) 2,4-Dimethylphenol	9.345	122	579838	40.278	ng	100
28) bis(2-Chloroethoxy)met...	9.575	93	1208106	40.013	ng	100
29) 2,4-Dichlorophenol	9.798	162	865465	40.518	ng	100
30) 1,2,4-Trichlorobenzene	9.998	180	960853	39.749	ng	100
31) Naphthalene	10.181	128	2680978	38.782	ng	100
32) Benzoic acid	9.534	122	695240	41.337	ng	100
33) 4-Chloroaniline	10.310	127	1069700	40.238	ng	100
34) Hexachlorobutadiene	10.469	225	562225	39.737	ng	100
35) Caprolactam	11.122	113	303209	40.875	ng	100
36) 4-Chloro-3-methylphenol	11.451	107	909901	39.998	ng	100
37) 2-Methylnaphthalene	11.804	142	1912342	38.853	ng	100
38) 1-Methylnaphthalene	12.034	142	1890364	38.861	ng	100
40) 1,2,4,5-Tetrachloroben...	12.186	216	994174	39.833	ng	100
41) Hexachlorocyclopentadiene	12.163	237	366656	42.071	ng	100
43) 2,4,6-Trichlorophenol	12.445	196	730450	41.176	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047144.D
Acq On : 10 Aug 2024 15:51
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Aug 11 23:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	800233	40.628	ng	100
46) 1,1'-Biphenyl	12.857	154	2539356	38.981	ng	100
47) 2-Chloronaphthalene	12.886	162	1959972	38.494	ng	100
48) 2-Nitroaniline	13.116	65	652655	40.916	ng	100
49) Acenaphthylene	13.751	152	2931534	39.060	ng	100
50) Dimethylphthalate	13.516	163	2522996	39.479	ng	100
51) 2,6-Dinitrotoluene	13.628	165	601084	40.235	ng	100
52) Acenaphthene	14.098	154	1844024	38.733	ng	100
53) 3-Nitroaniline	13.963	138	606076	40.486	ng	100
54) 2,4-Dinitrophenol	14.175	184	373189	41.679	ng	100
55) Dibenzofuran	14.439	168	2890230	38.434	ng	100
56) 4-Nitrophenol	14.298	139	537017	41.602	ng	100
57) 2,4-Dinitrotoluene	14.428	165	806412	40.441	ng	100
58) Fluorene	15.092	166	2395462	38.607	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.675	232	650207	40.167	ng	100
60) Diethylphthalate	14.898	149	2558000	39.196	ng	100
61) 4-Chlorophenyl-phenyle...	15.098	204	1137143	38.496	ng	100
62) 4-Nitroaniline	15.139	138	584150	39.609	ng	100
63) Azobenzene	15.392	77	2403859	38.848	ng	100
65) 4,6-Dinitro-2-methylph...	15.198	198	476893	42.835	ng	100
66) n-Nitrosodiphenylamine	15.322	169	2039493	39.377	ng	100
67) 4-Bromophenyl-phenylether	15.998	248	725772	39.608	ng	100
68) Hexachlorobenzene	16.098	284	870505	39.667	ng	100
69) Atrazine	16.292	200	648319	41.597	ng	100
70) Pentachlorophenol	16.451	266	638108	41.480	ng	100
71) Phenanthrene	16.839	178	3712379	38.901	ng	100
72) Anthracene	16.927	178	3623679	39.024	ng	100
73) Carbazole	17.210	167	3693008	38.952	ng	100
74) Di-n-butylphthalate	17.792	149	4430949	40.165	ng	100
75) Fluoranthene	18.868	202	4559377	39.279	ng	100
77) Benzidine	19.074	184	1636101	57.629	ng	100
78) Pyrene	19.239	202	4770524	39.909	ng	100
80) Butylbenzylphthalate	20.174	149	2035184	41.719	ng	100
81) Benzo(a)anthracene	21.015	228	4353304	39.170	ng	100
82) 3,3'-Dichlorobenzidine	20.956	252	1483651	42.667	ng	100
83) Chrysene	21.074	228	4097336	38.858	ng	100
84) Bis(2-ethylhexyl)phtha...	20.974	149	2828936	40.891	ng	100
85) Di-n-octyl phthalate	22.009	149	4878689	41.489	ng	100
87) Indeno(1,2,3-cd)pyrene	26.727	276	5166805	39.586	ng	100
88) Benzo(b)fluoranthene	22.886	252	4689366	39.106	ng	100
89) Benzo(k)fluoranthene	22.945	252	4431625	39.126	ng	100
90) Benzo(a)pyrene	23.609	252	4136829	39.824	ng	100
91) Dibenzo(a,h)anthracene	26.780	278	4125251	39.055	ng	100
92) Benzo(g,h,i)perylene	27.662	276	4346786	39.636	ng	100

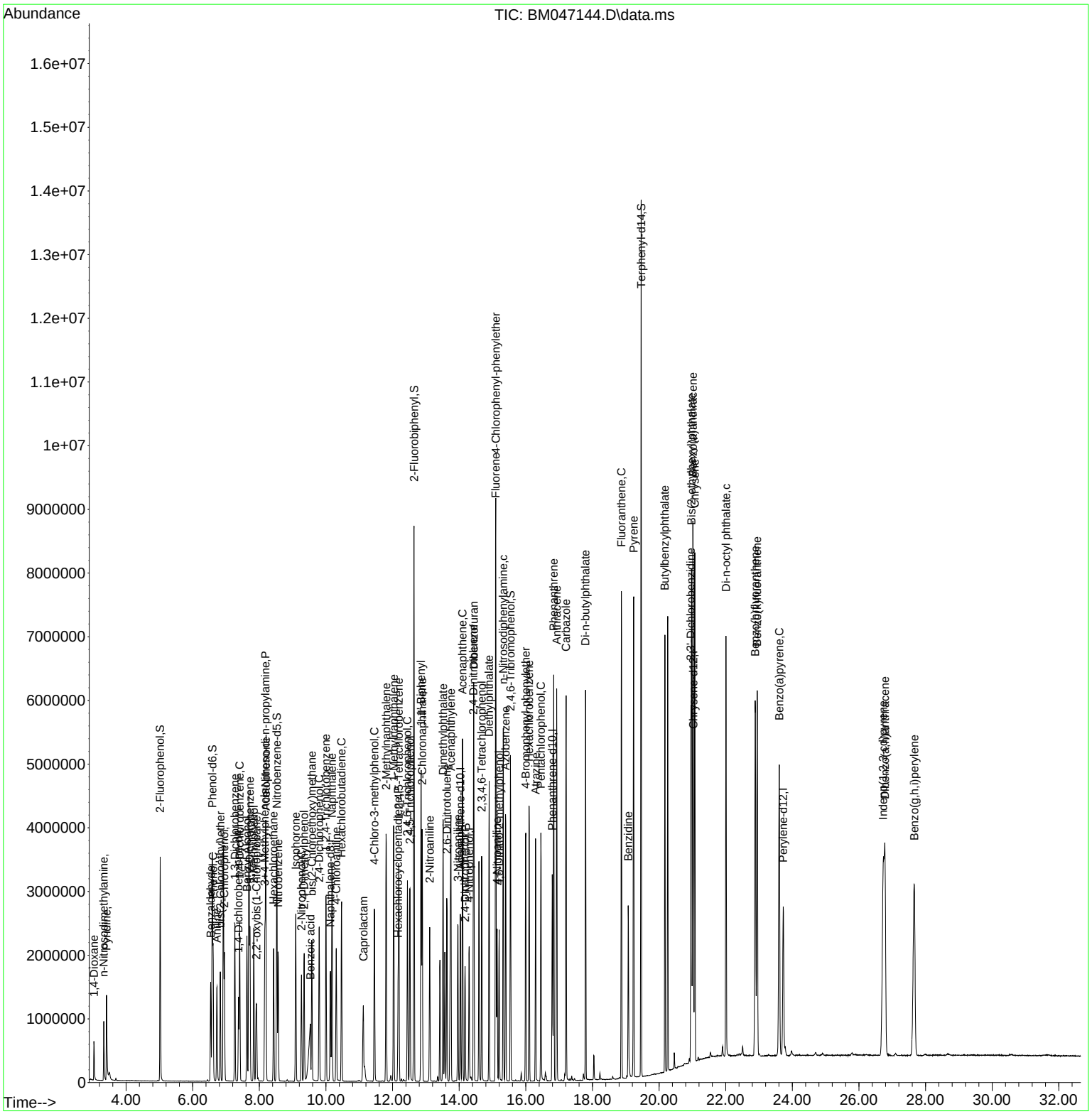
(#) = qualifier out of range (m) = manual integration (+) = signals summed

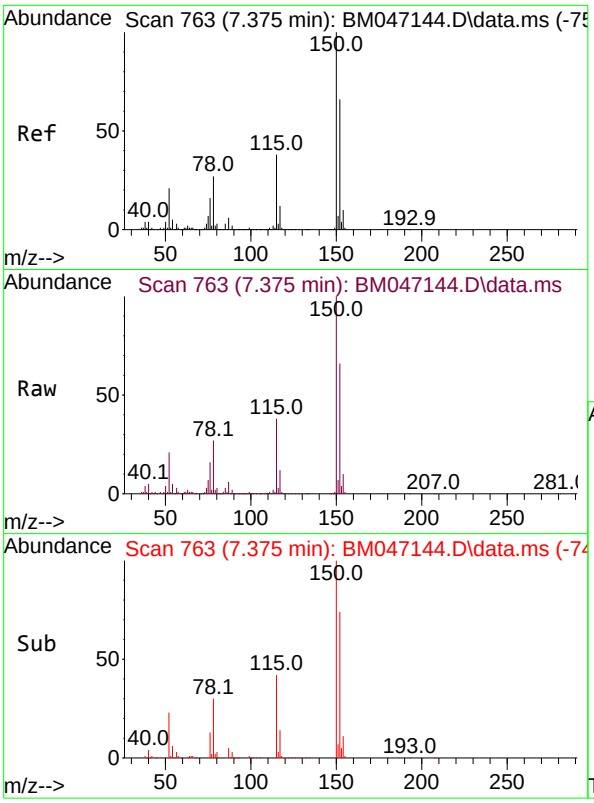
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047144.D
Acq On : 10 Aug 2024 15:51
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Aug 11 23:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



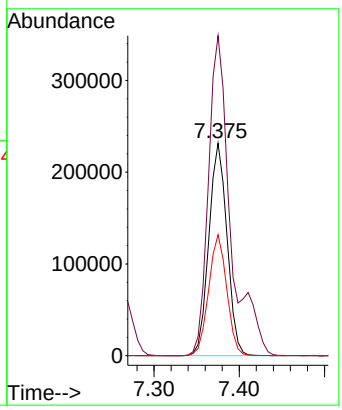


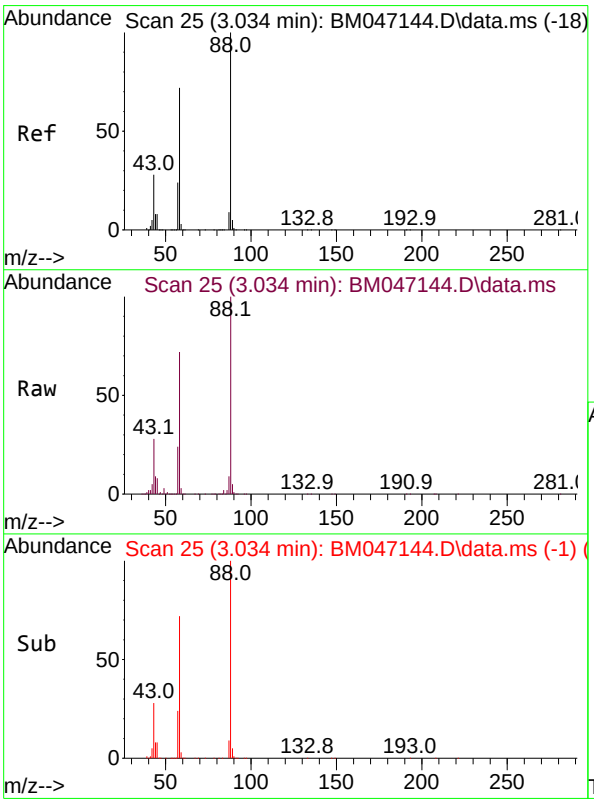
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 343346

Ion	Ratio	Lower	Upper
152	100		
150	150.6	120.5	180.7
115	56.9	45.5	68.3

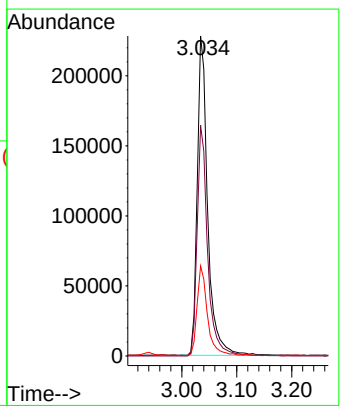


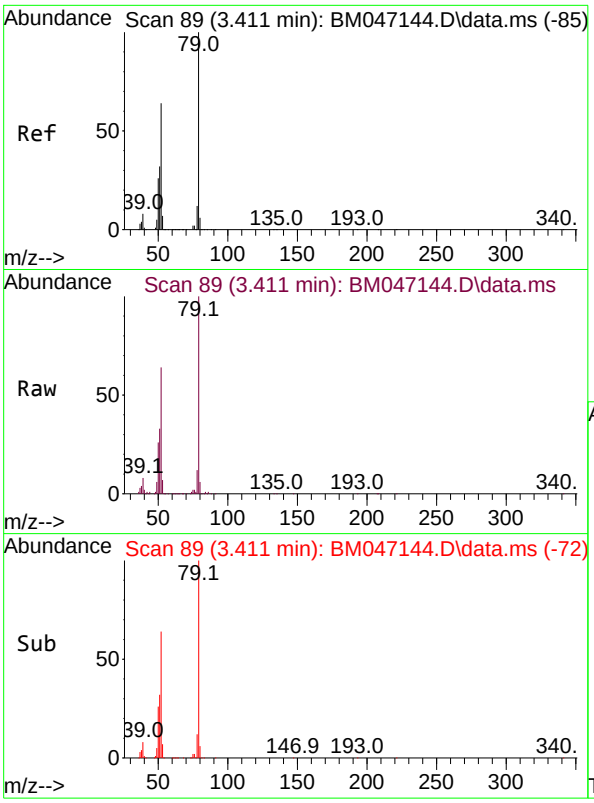


#2
1,4-Dioxane
Concen: 37.812 ng
RT: 3.034 min Scan# 25
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 88 Resp: 301045

Ion	Ratio	Lower	Upper
88	100		
58	72.8	58.2	87.4
43	28.1	22.5	33.7



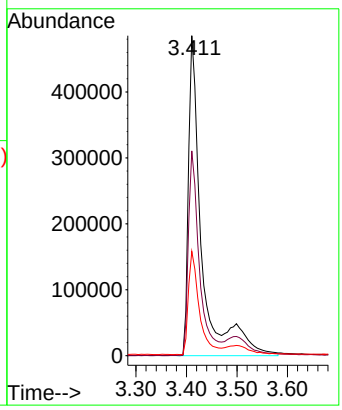


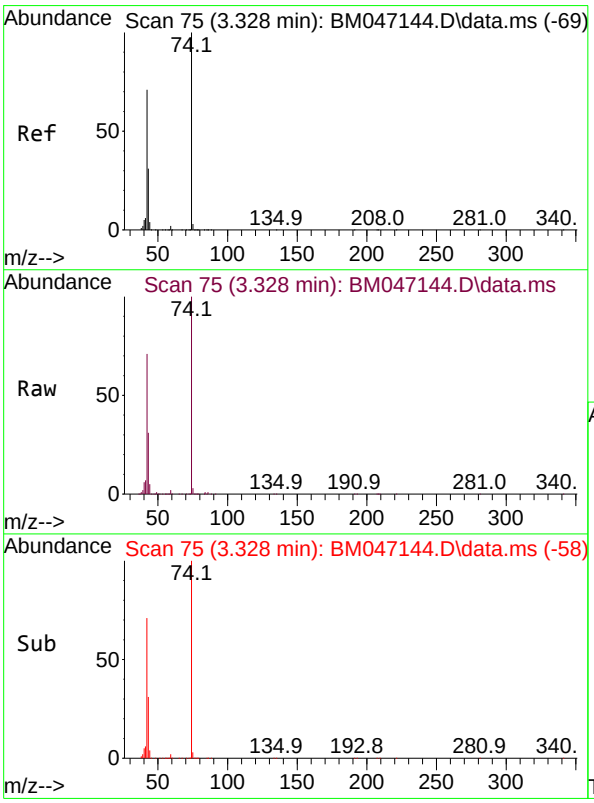
#3
Pyridine
Concen: 38.338 ng m
RT: 3.411 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 894414

Ion	Ratio	Lower	Upper
79	100		
52	64.0	51.2	76.8
51	32.6	26.1	39.1

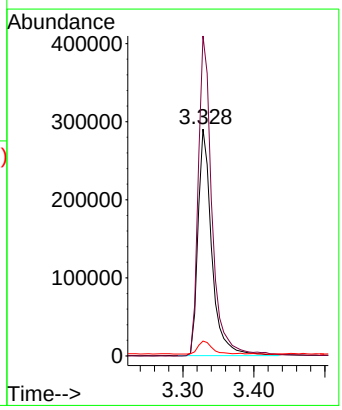


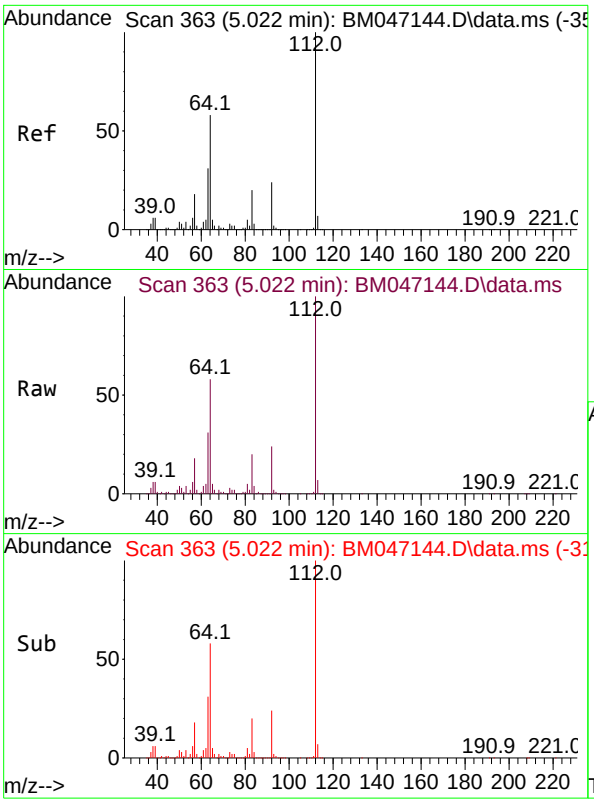


#4
n-Nitrosodimethylamine
Concen: 38.367 ng
RT: 3.328 min Scan# 75
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 42 Resp: 391342

Ion	Ratio	Lower	Upper
42	100		
74	141.1	112.9	169.3
44	6.6	5.3	7.9



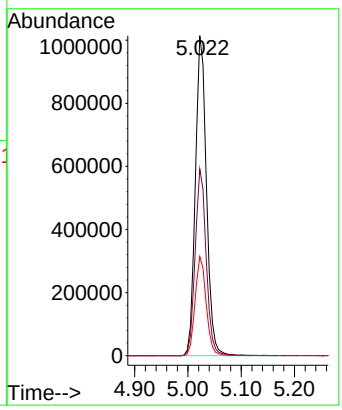


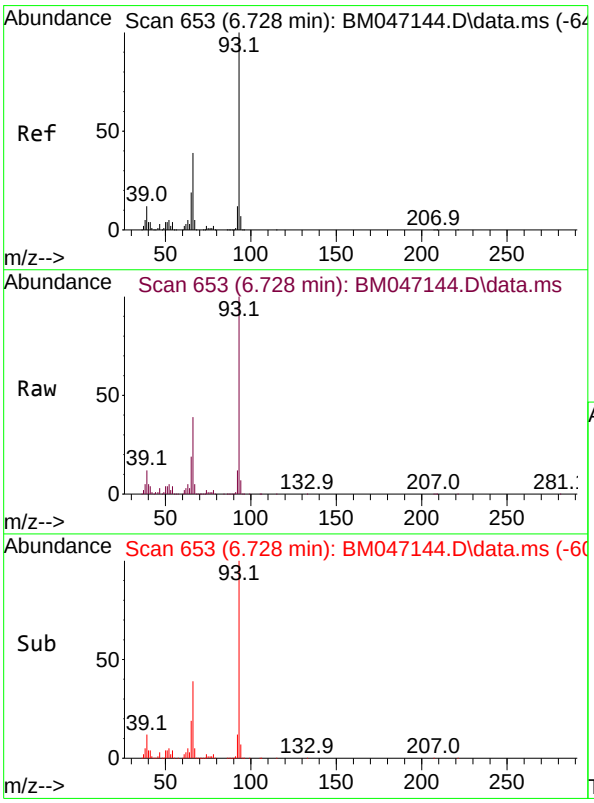
#5
2-Fluorophenol
Concen: 76.564 ng
RT: 5.022 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1471191

Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.7	70.1
63	31.0	24.8	37.2

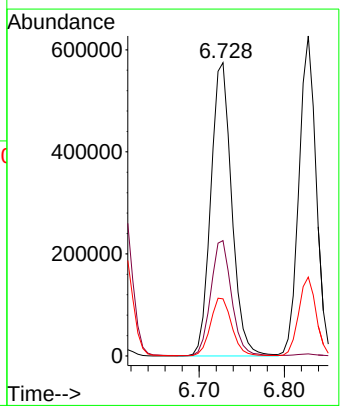


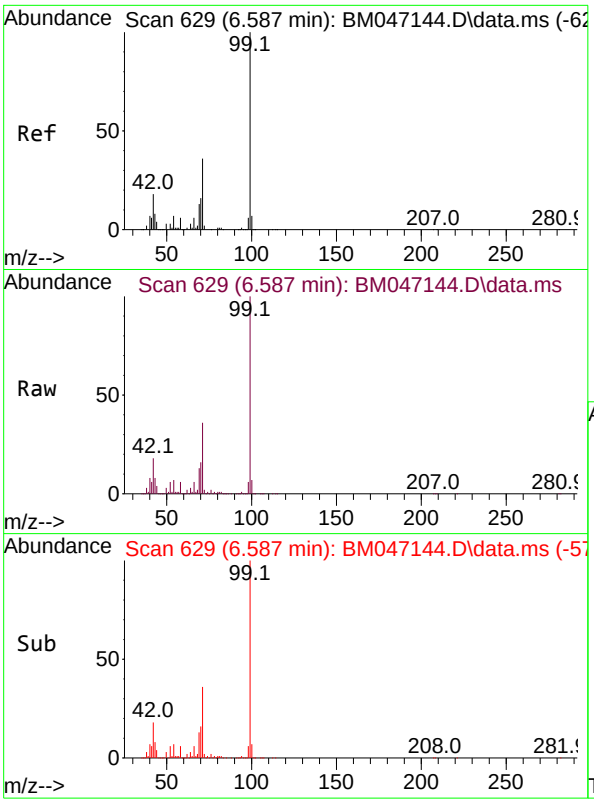


#6
Aniline
Concen: 39.189 ng
RT: 6.728 min Scan# 653
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 93 Resp: 980743

Ion	Ratio	Lower	Upper
93	100		
66	39.3	31.4	47.2
65	19.5	15.6	23.4



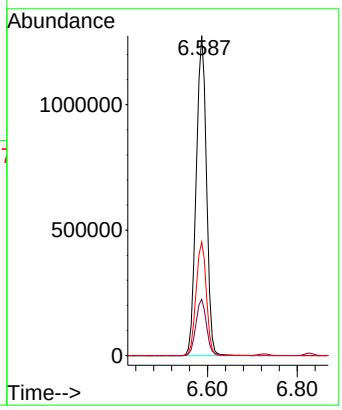


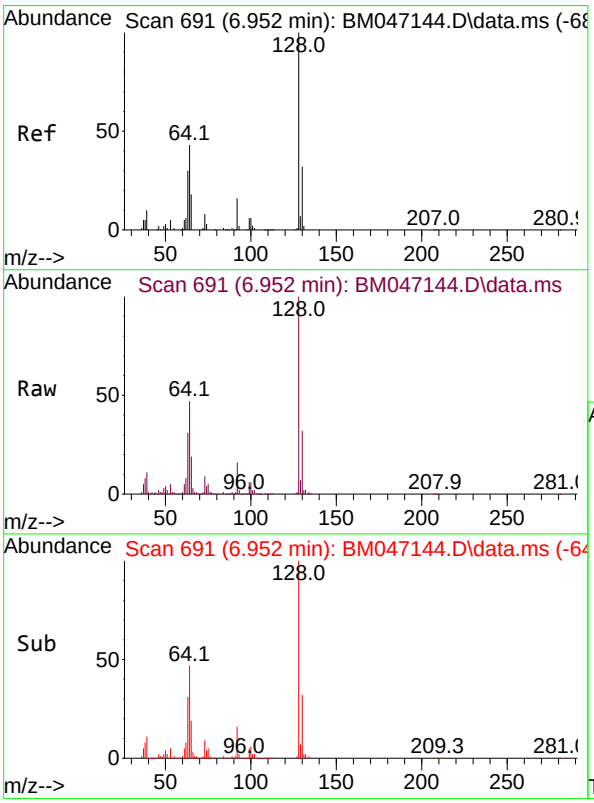
#7
Phenol-d6
Concen: 76.657 ng
RT: 6.587 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 2029645

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.1	21.1
71	35.6	28.5	42.7

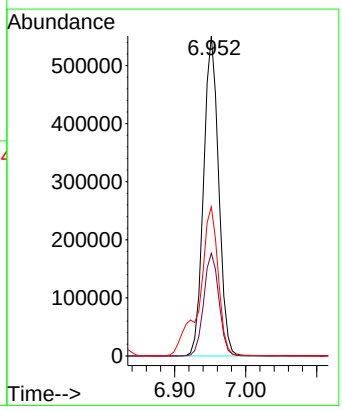


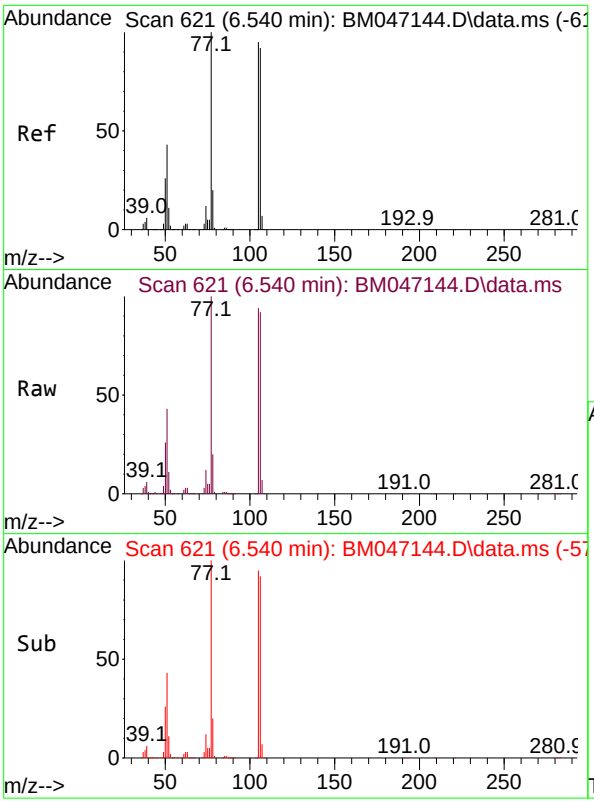


#8
2-Chlorophenol
Concen: 38.816 ng
RT: 6.952 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:128 Resp: 813486

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.1	52.1
64	46.6	26.6	66.6



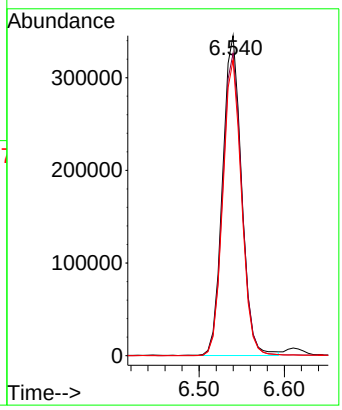


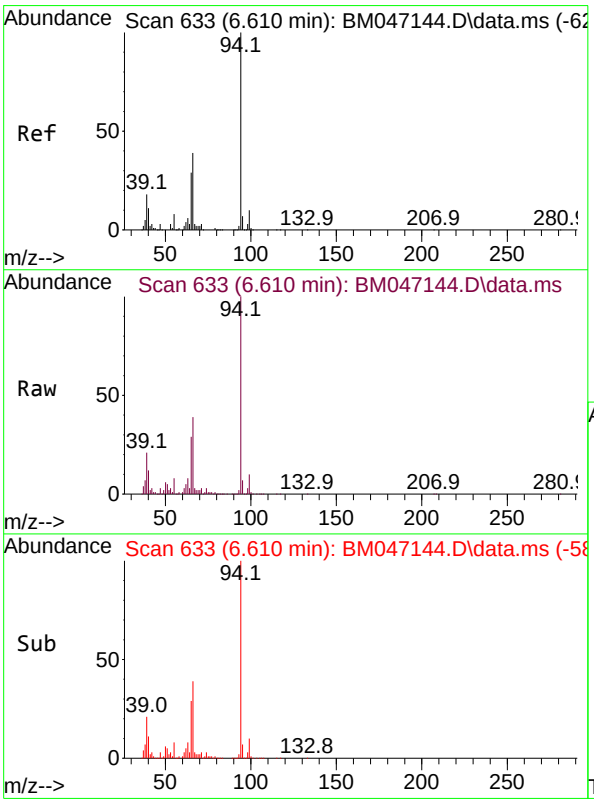
#9
Benzaldehyde
Concen: 37.348 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 532876

Ion	Ratio	Lower	Upper
77	100		
105	94.5	74.5	114.5
106	92.3	72.3	112.3

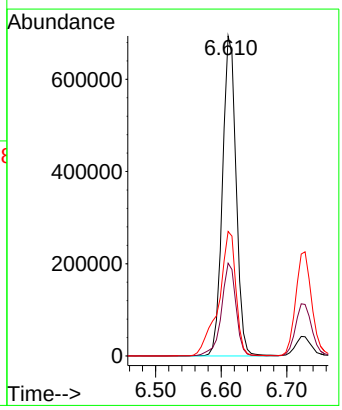


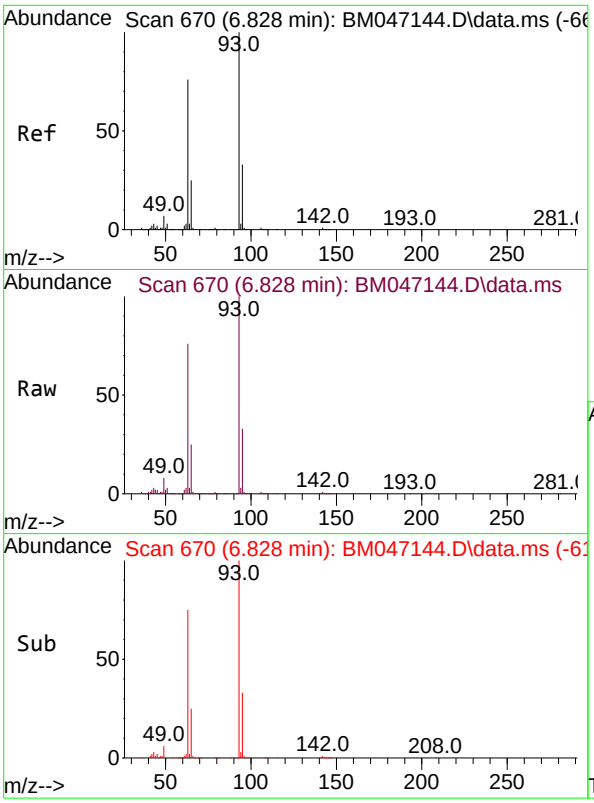


#10
Phenol
Concen: 37.765 ng
RT: 6.610 min Scan# 633
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 94 Resp: 997737

Ion	Ratio	Lower	Upper
94	100		
65	29.0	9.0	49.0
66	38.9	18.9	58.9



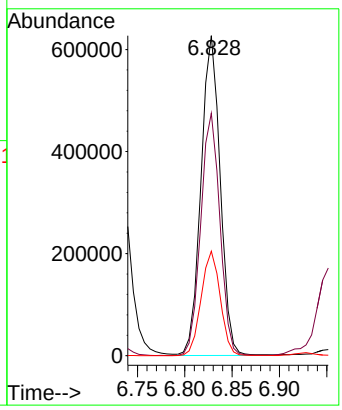


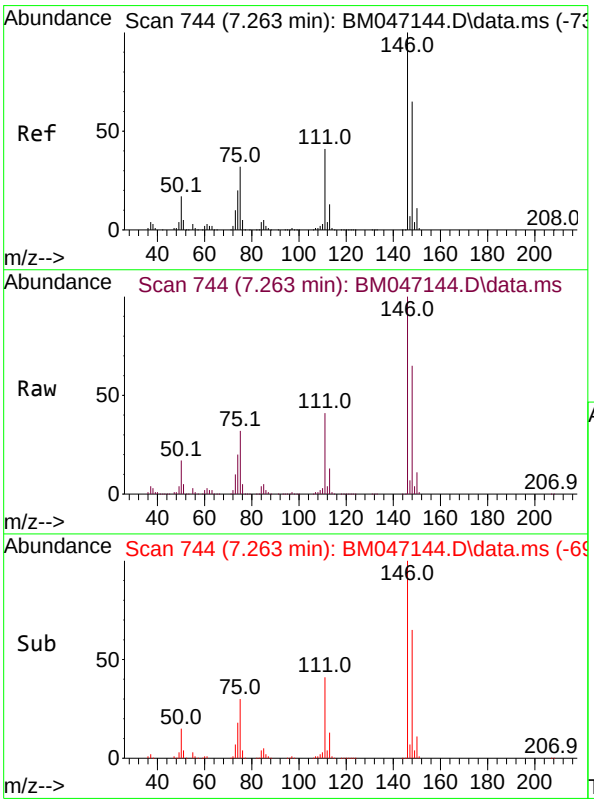
#11
bis(2-Chloroethyl)ether
Concen: 38.943 ng
RT: 6.828 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 881082

Ion	Ratio	Lower	Upper
93	100		
63	75.8	55.8	95.8
95	32.7	12.7	52.7

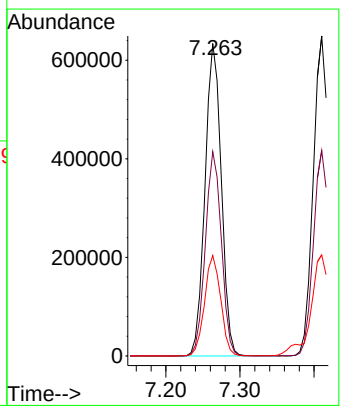


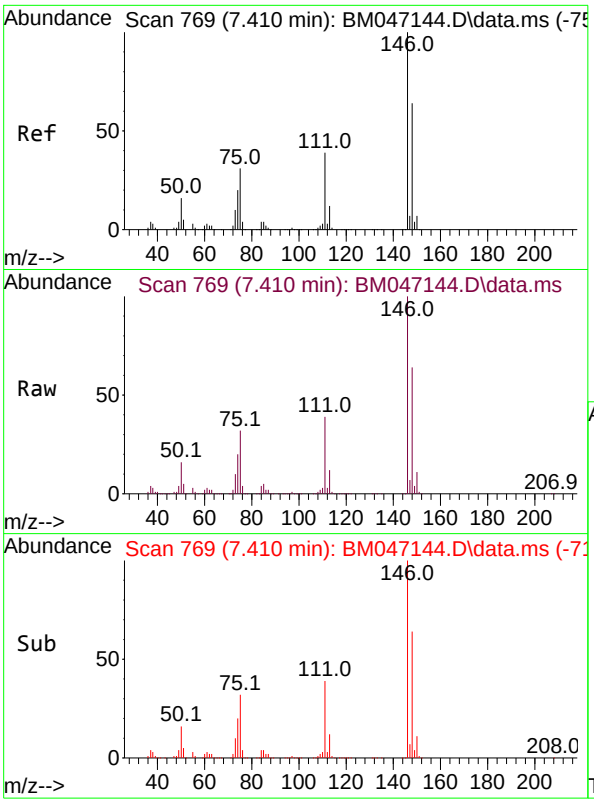


#12
1,3-Dichlorobenzene
Concen: 38.813 ng
RT: 7.263 min Scan# 744
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:146 Resp: 966606

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.3	78.5
75	32.2	25.8	38.6



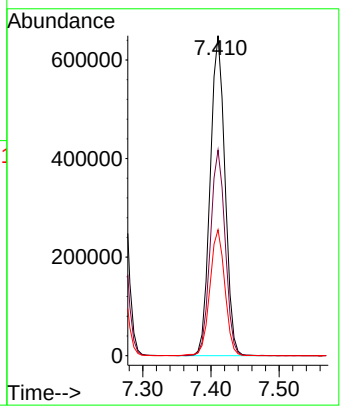


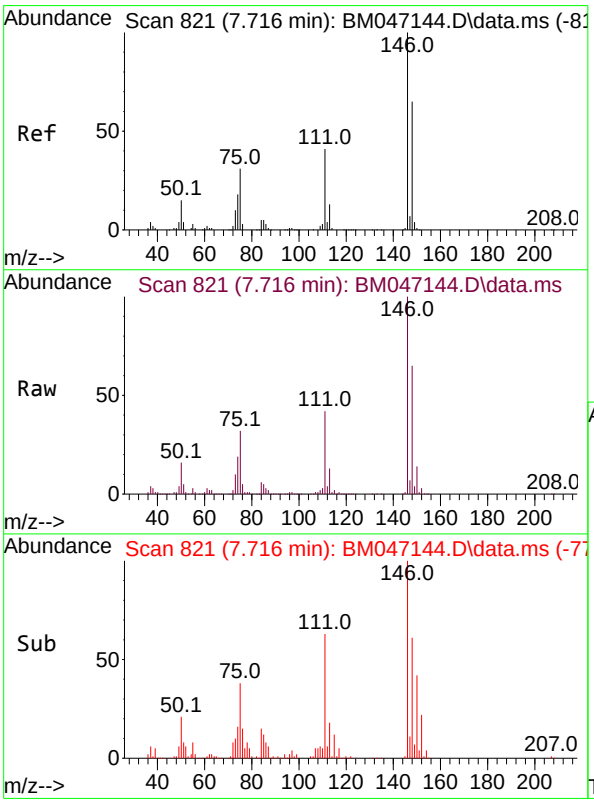
#13
1,4-Dichlorobenzene
Concen: 38.912 ng
RT: 7.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 981161

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	39.4	31.5	47.3

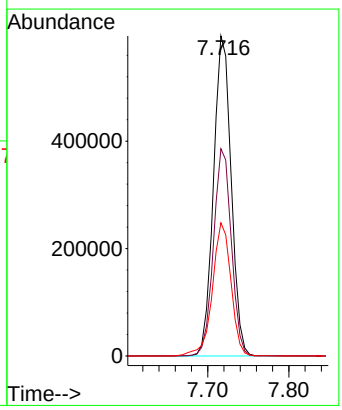


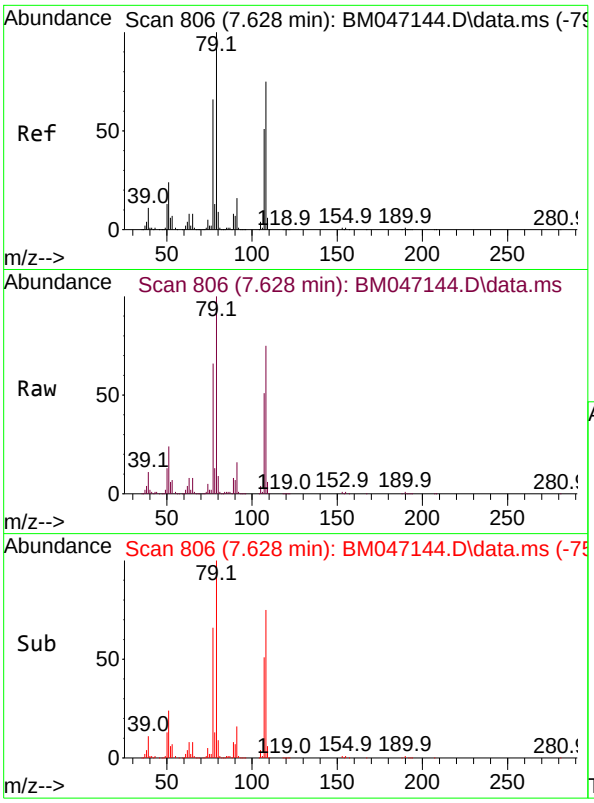


#14
1,2-Dichlorobenzene
Concen: 37.935 ng
RT: 7.716 min Scan# 821
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:146 Resp: 902511

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	41.6	33.3	49.9



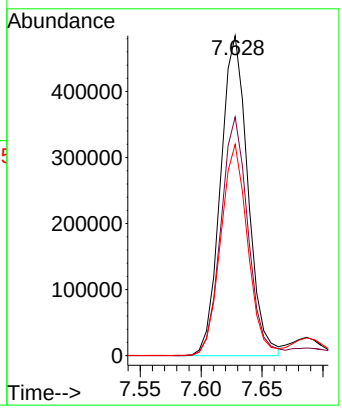


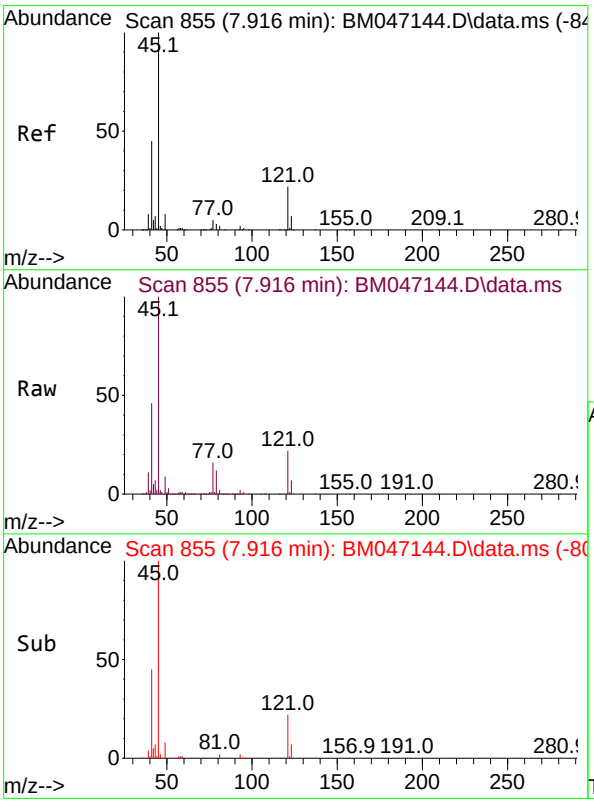
#15
Benzyl Alcohol
Concen: 40.023 ng
RT: 7.628 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 754177

Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.7	89.5
77	66.1	52.9	79.3

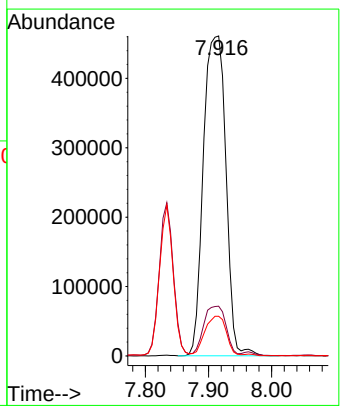


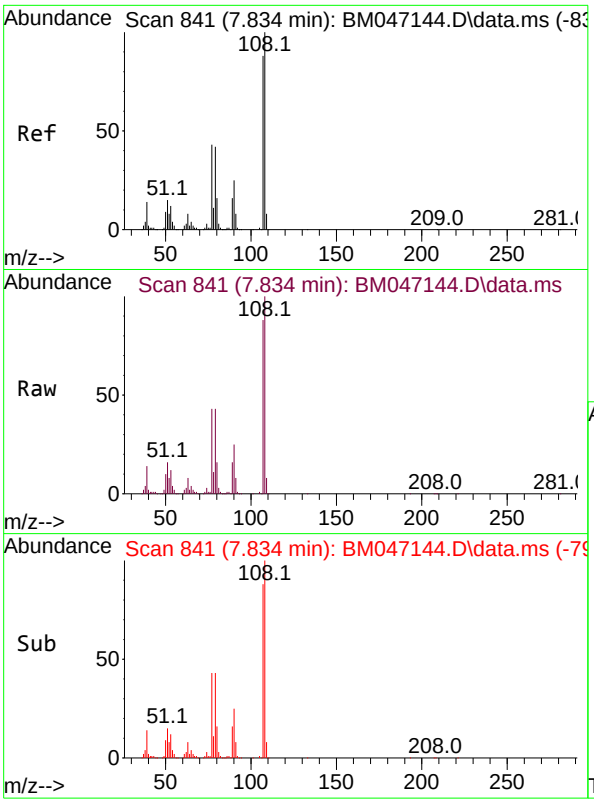


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.195 ng
RT: 7.916 min Scan# 855
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 45 Resp: 1139263

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.6
79	12.4	0.0	32.4



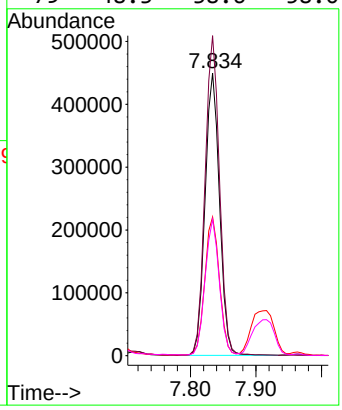


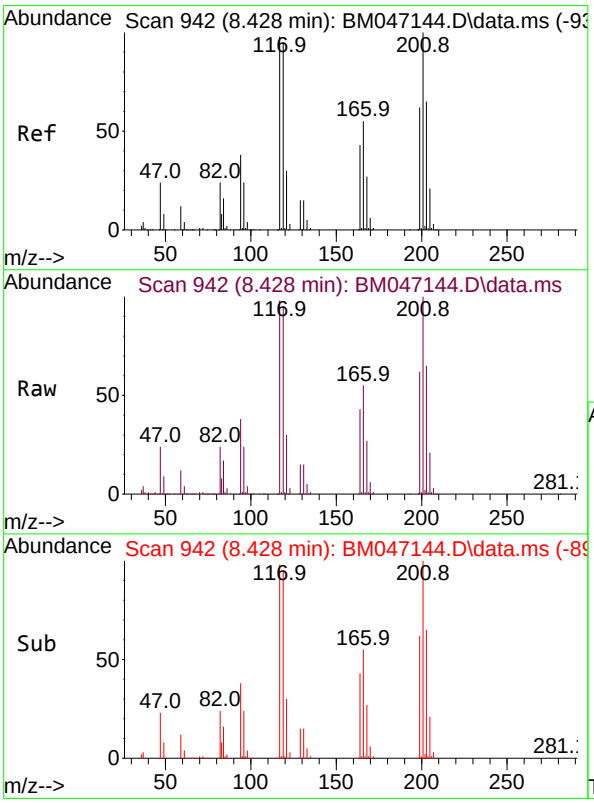
#17
2-Methylphenol
Concen: 39.076 ng
RT: 7.834 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 688729

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	135.8
77	49.1	39.3	58.9
79	48.3	38.6	58.0

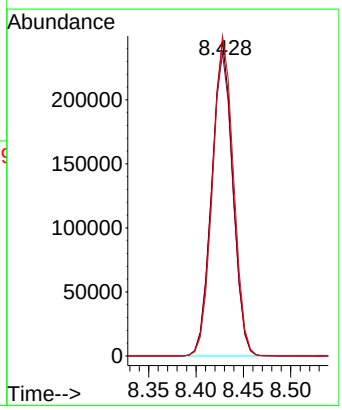


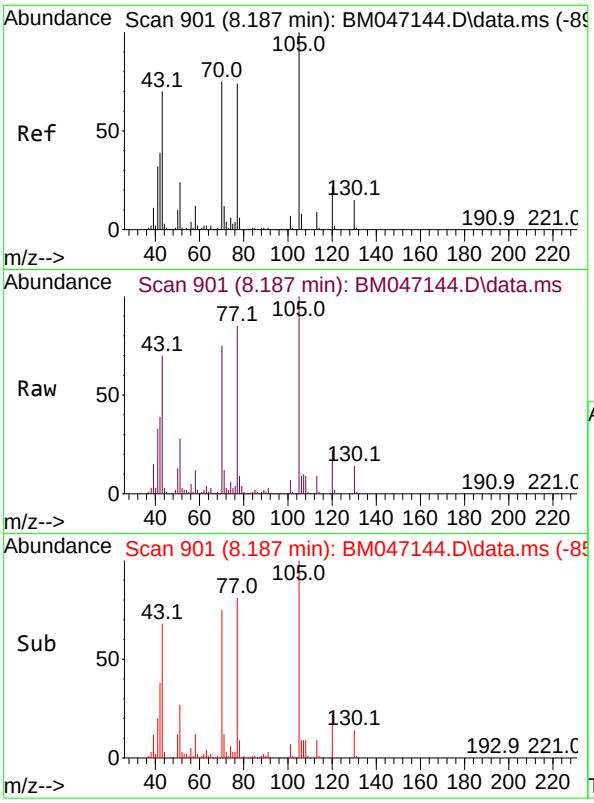


#18
Hexachloroethane
Concen: 38.722 ng
RT: 8.428 min Scan# 942
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:117 Resp: 378211

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
201	101.6	81.3	121.9



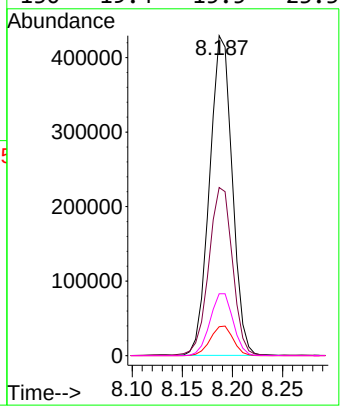


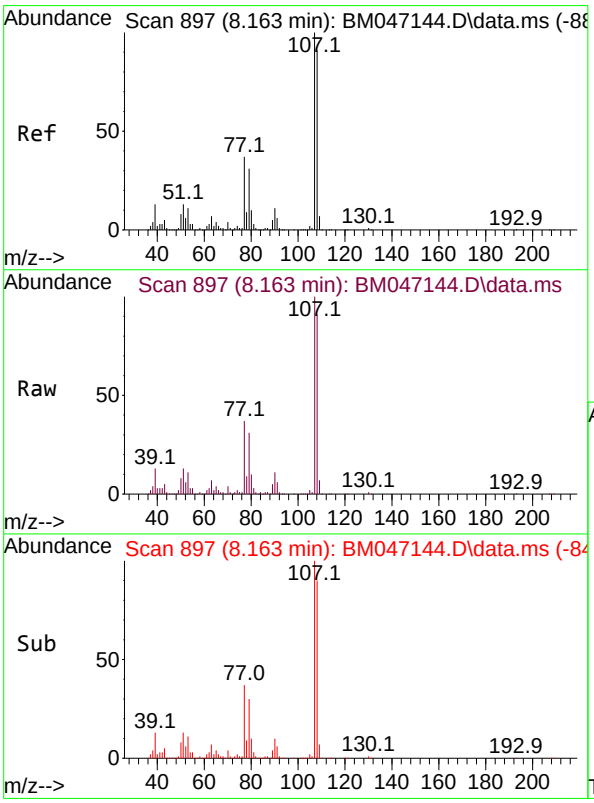
#19
n-Nitroso-di-n-propylamine
Concen: 37.795 ng
RT: 8.187 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 674051

Ion	Ratio	Lower	Upper
70	100		
42	52.5	42.0	63.0
101	9.0	7.2	10.8
130	19.4	15.5	23.3

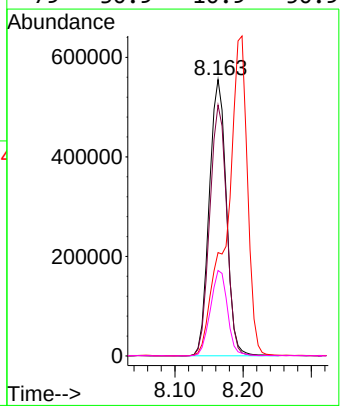


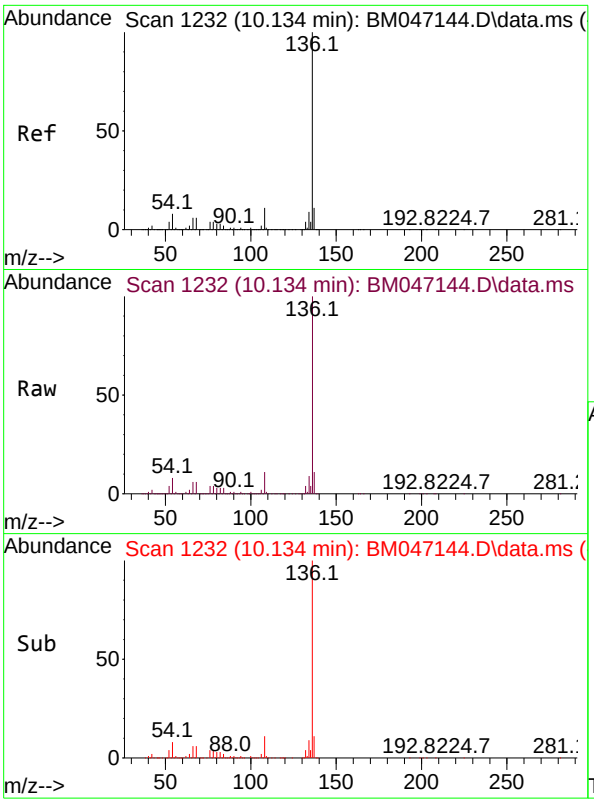


#20
3+4-Methylphenols
Concen: 39.329 ng
RT: 8.163 min Scan# 897
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:107 Resp: 969100

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.7	110.7
77	37.4	17.4	57.4
79	30.9	10.9	50.9



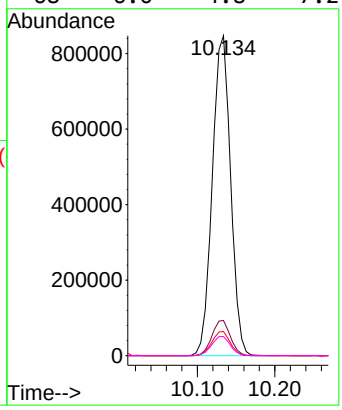


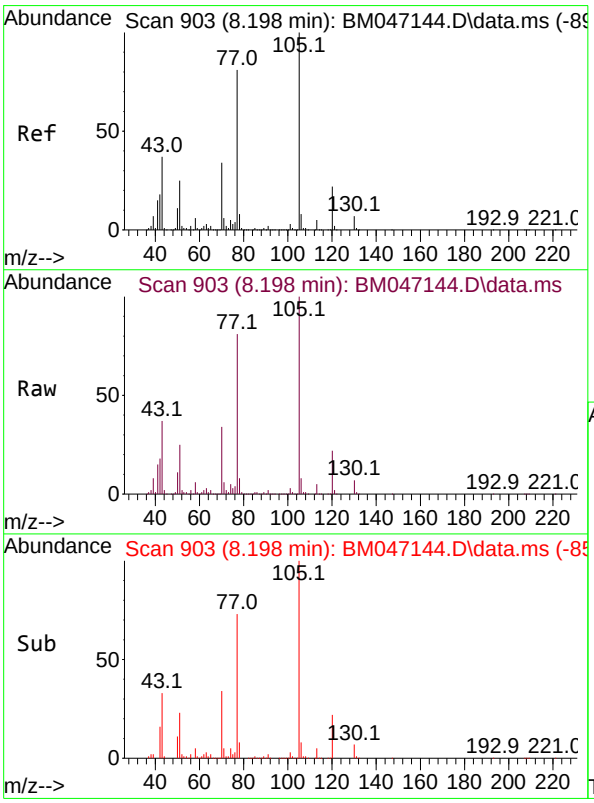
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1387685

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	6.0	9.0
68	6.0	4.8	7.2

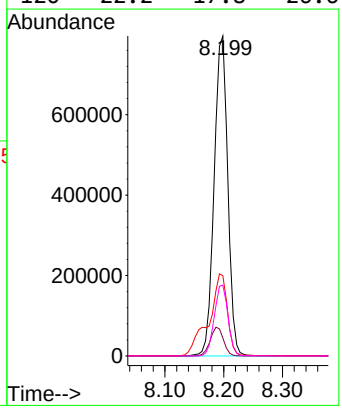


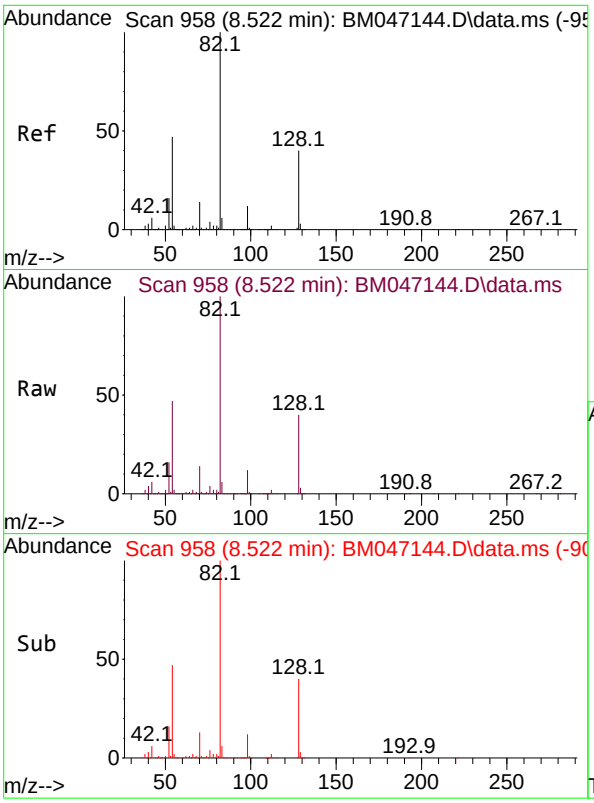


#22
Acetophenone
Concen: 38.307 ng
RT: 8.198 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:105 Resp: 1283137

Ion	Ratio	Lower	Upper
105	100		
71	5.6	4.5	6.7
51	25.1	20.1	30.1
120	22.2	17.8	26.6



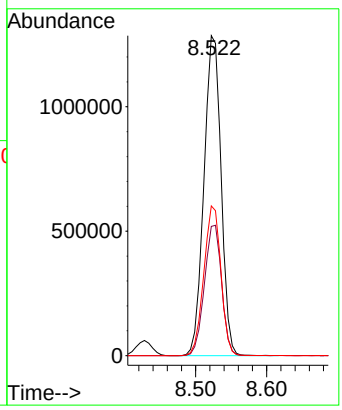


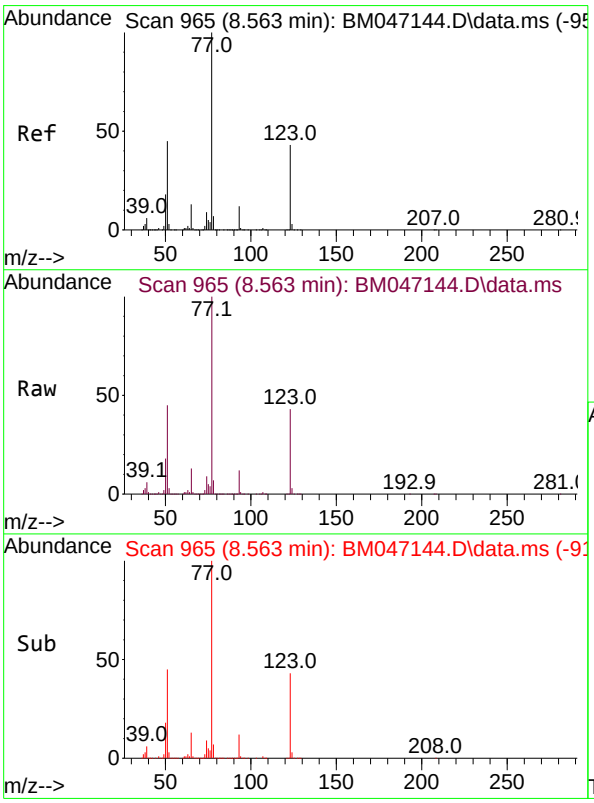
#23
Nitrobenzene-d5
Concen: 78.454 ng
RT: 8.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 2162113

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.3	48.5
54	46.8	37.4	56.2

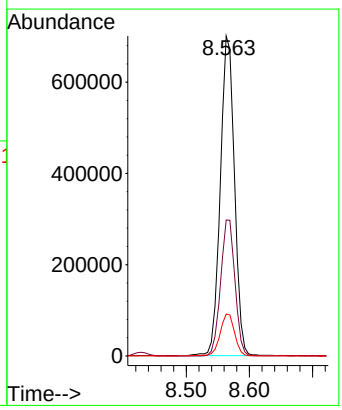


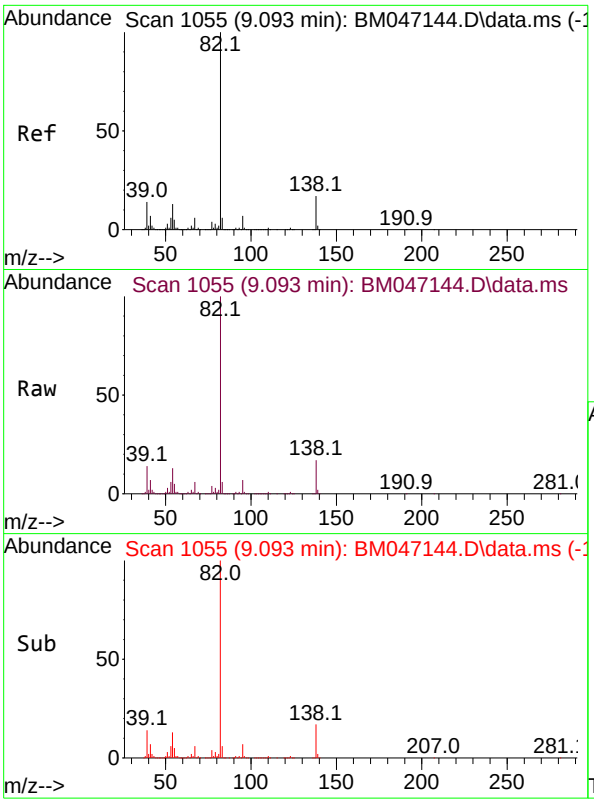


#24
Nitrobenzene
Concen: 39.350 ng
RT: 8.563 min Scan# 965
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 77 Resp: 1091975

Ion	Ratio	Lower	Upper
77	100		
123	42.5	34.0	51.0
65	13.1	10.5	15.7



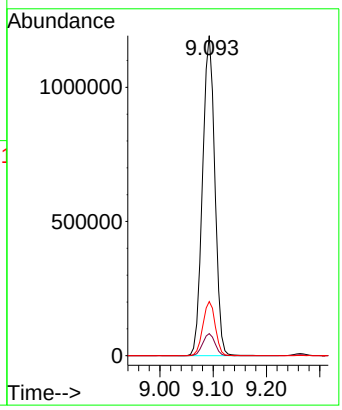


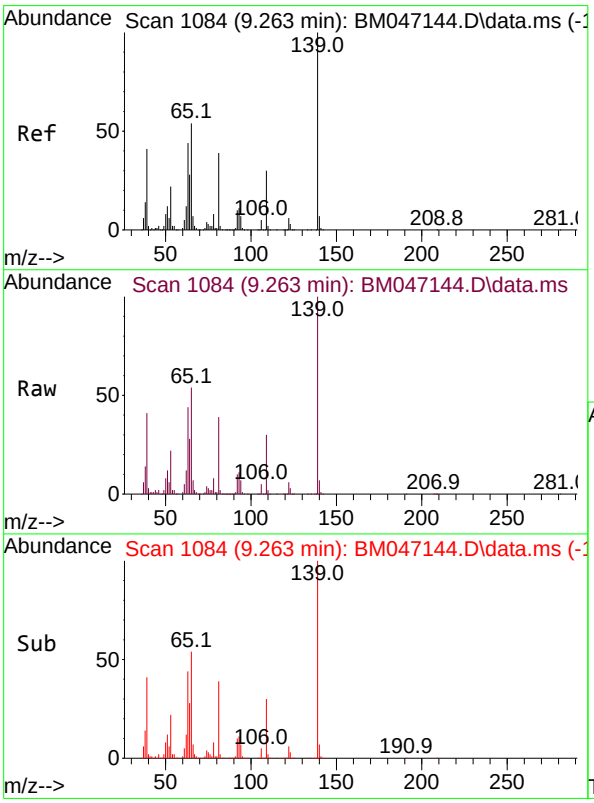
#25
Isophorone
Concen: 39.785 ng
RT: 9.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1909053

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	16.9	13.5	20.3

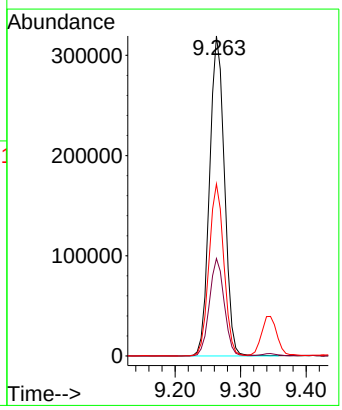


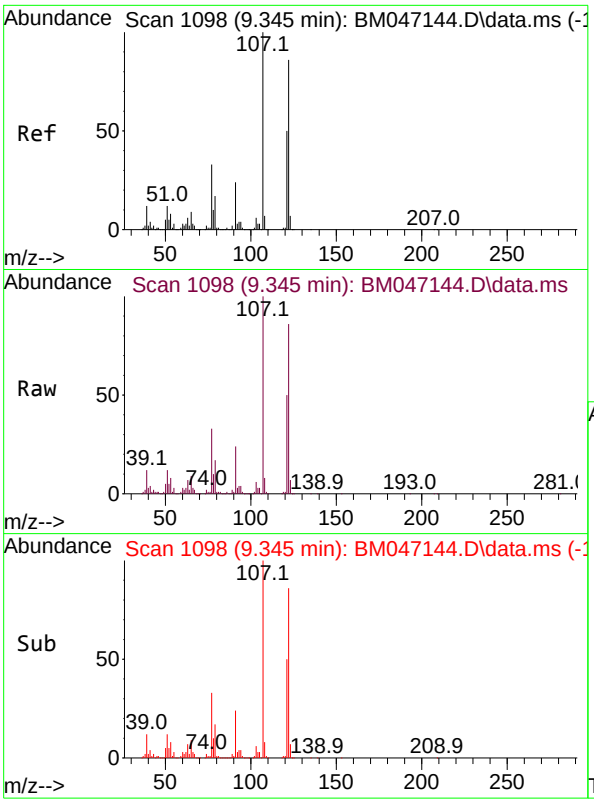


#26
2-Nitrophenol
Concen: 41.011 ng
RT: 9.263 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:139 Resp: 504016

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.4	36.6
65	53.8	43.0	64.6



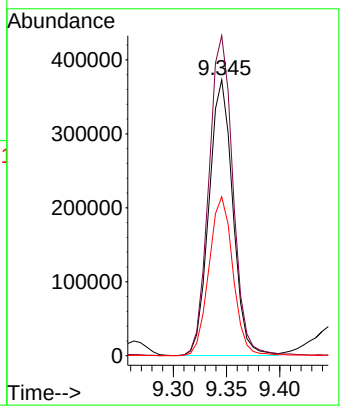


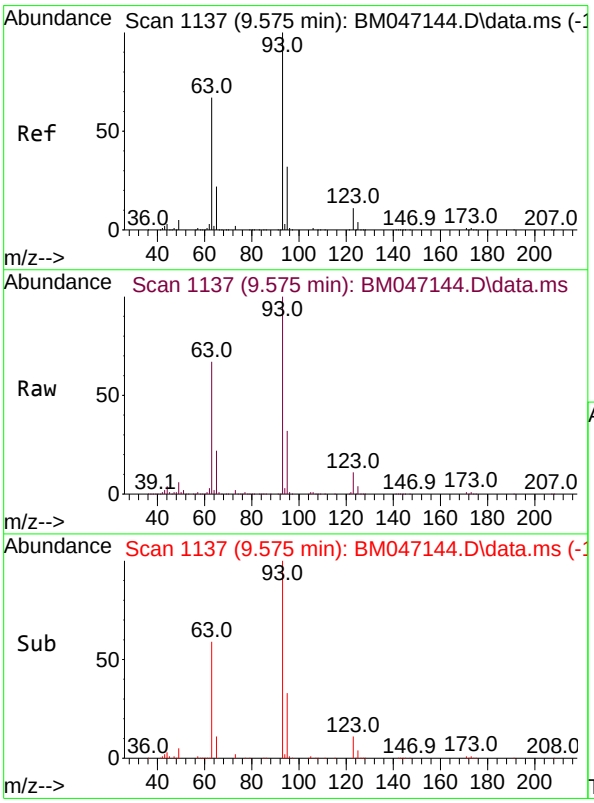
#27
2,4-Dimethylphenol
Concen: 40.278 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 579838

Ion	Ratio	Lower	Upper
122	100		
107	116.0	92.8	139.2
121	57.6	46.1	69.1

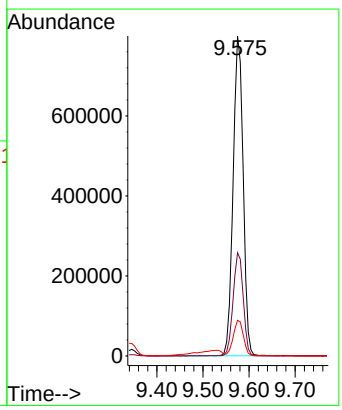


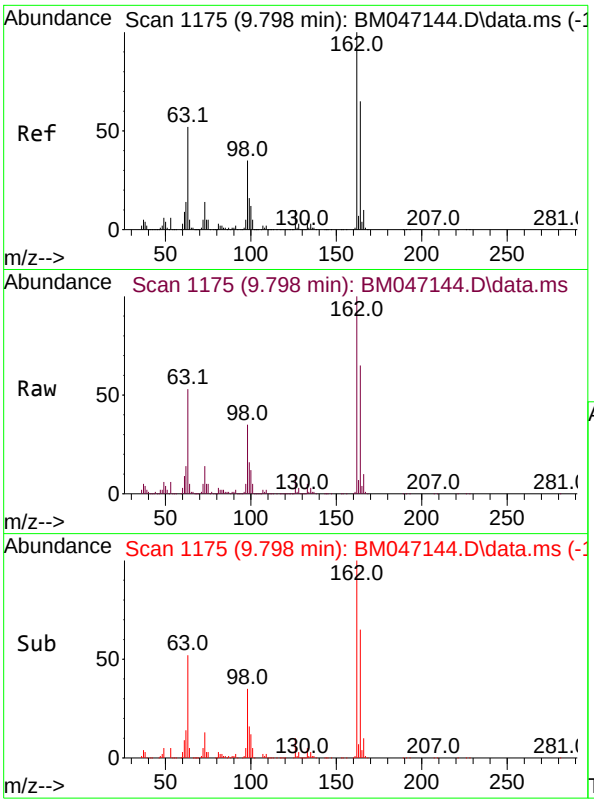


#28
bis(2-Chloroethoxy)methane
Concen: 40.013 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 93 Resp: 1208106

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.2	9.0	13.4



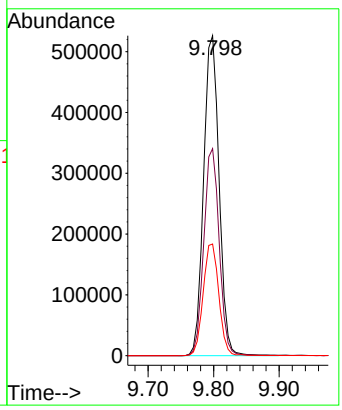


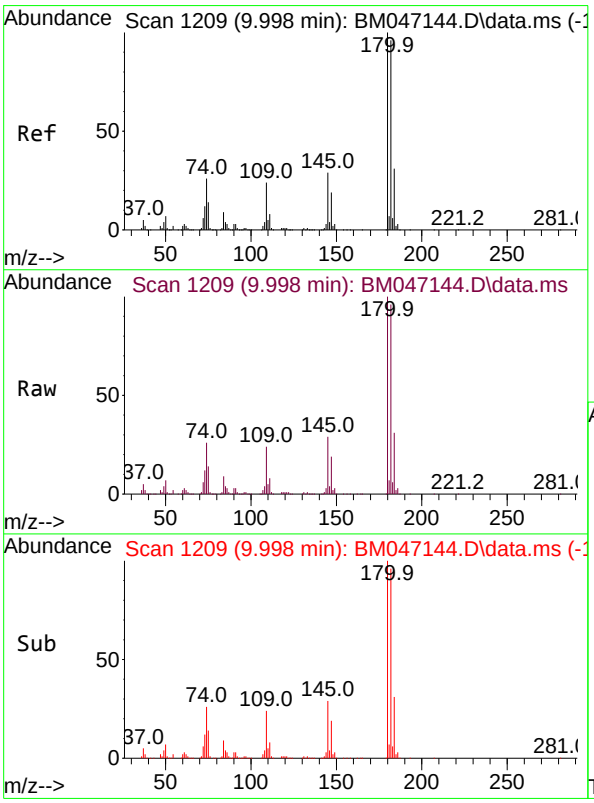
#29
2,4-Dichlorophenol
Concen: 40.518 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 865465

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.7	84.7
98	34.9	14.9	54.9

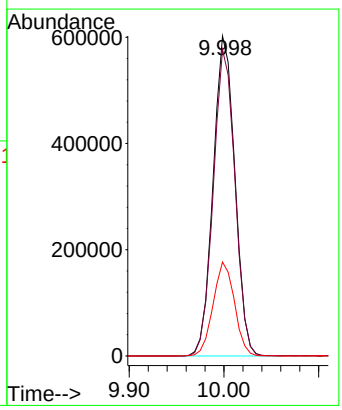


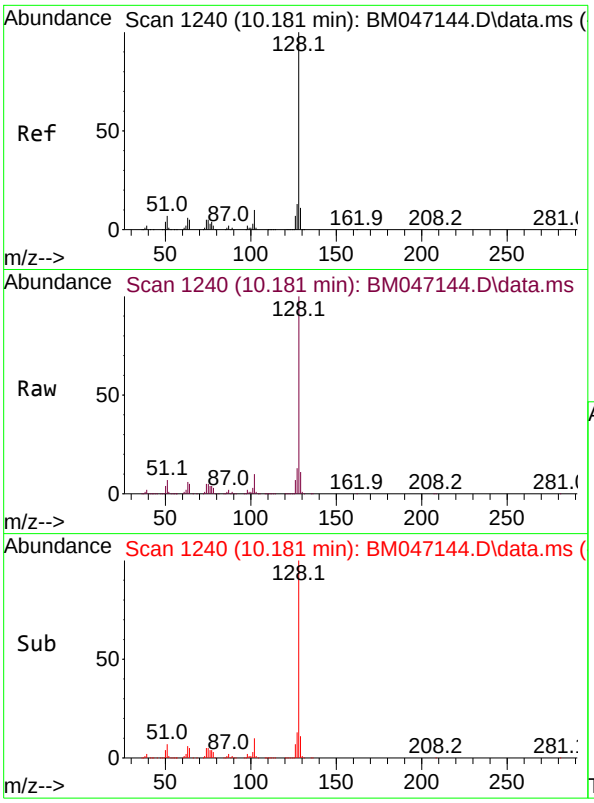


#30
1,2,4-Trichlorobenzene
Concen: 39.749 ng
RT: 9.998 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:180 Resp: 960853

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	29.3	23.4	35.2



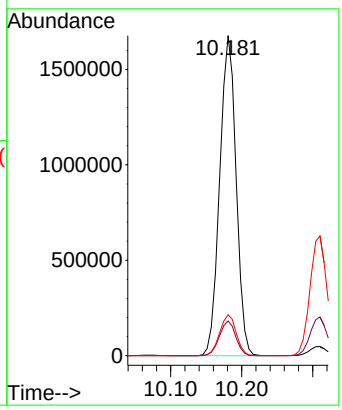


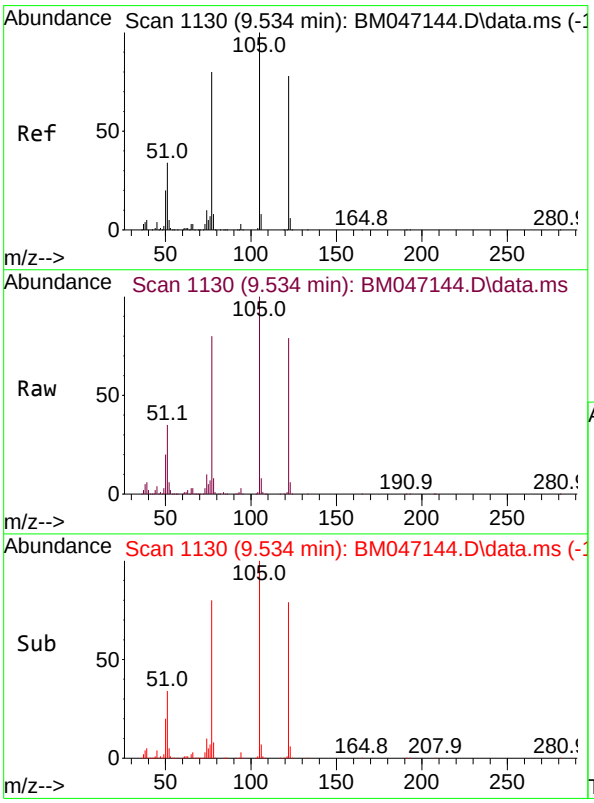
#31
Naphthalene
Concen: 38.782 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2680978

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.8	10.2	15.4

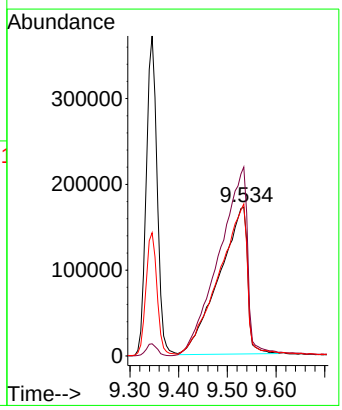


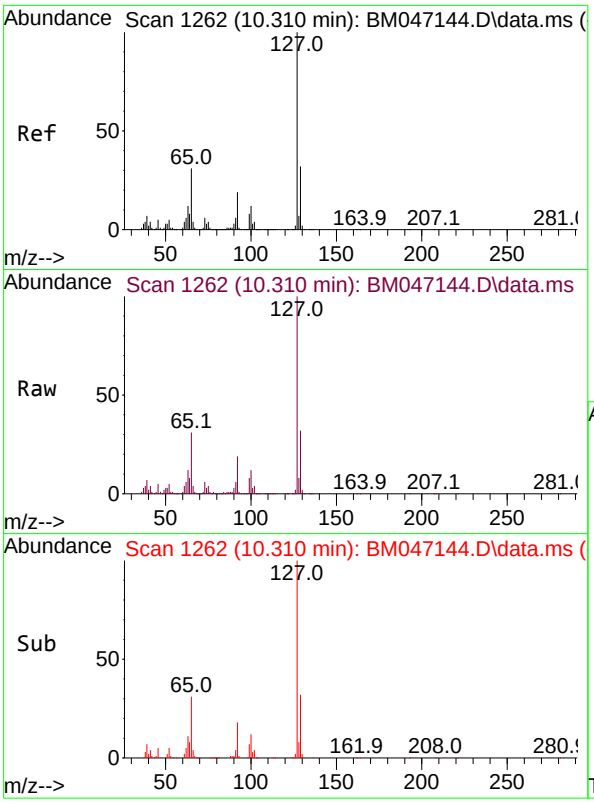


#32
Benzoic acid
Concen: 41.337 ng
RT: 9.534 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:122 Resp: 695240

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.1	147.1
77	102.1	82.1	122.1



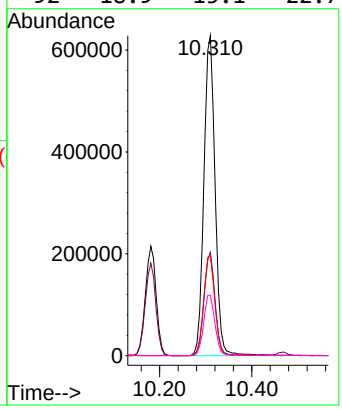


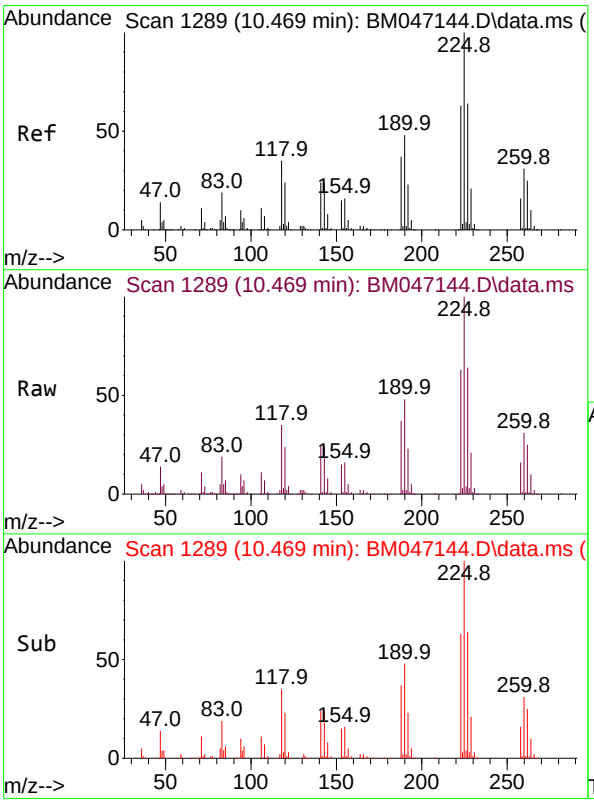
#33
4-Chloroaniline
Concen: 40.238 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 1069700

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	31.1	24.9	37.3
92	18.9	15.1	22.7

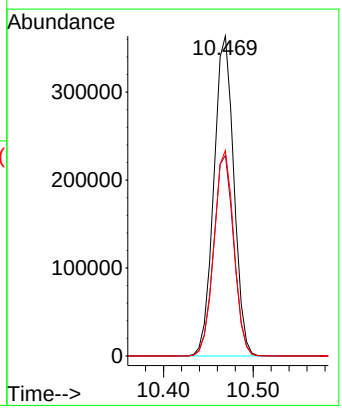


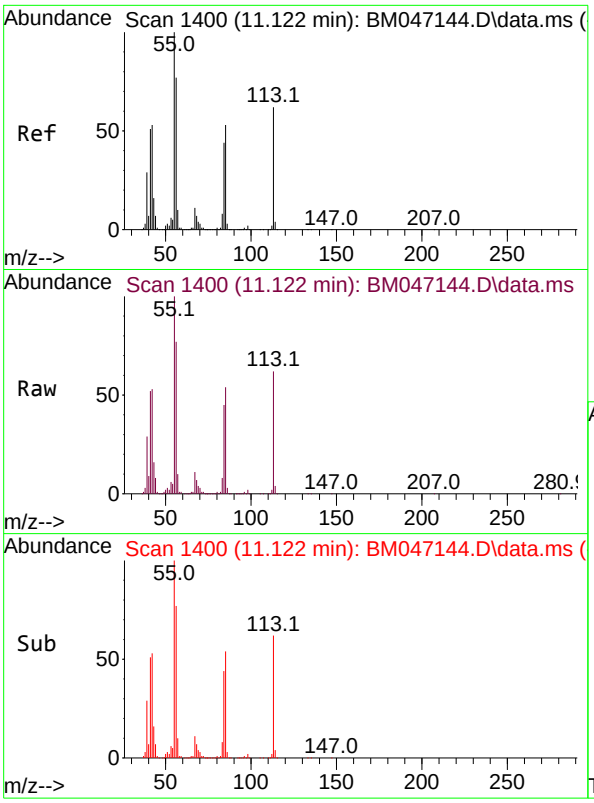


#34
Hexachlorobutadiene
Concen: 39.737 ng
RT: 10.469 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:225 Resp: 562225

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	64.2	51.4	77.0



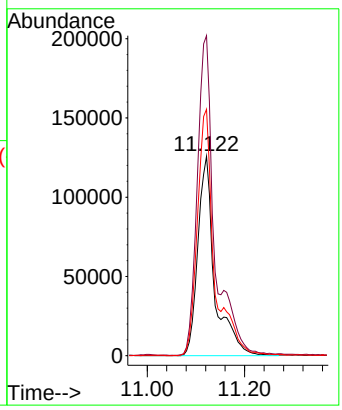


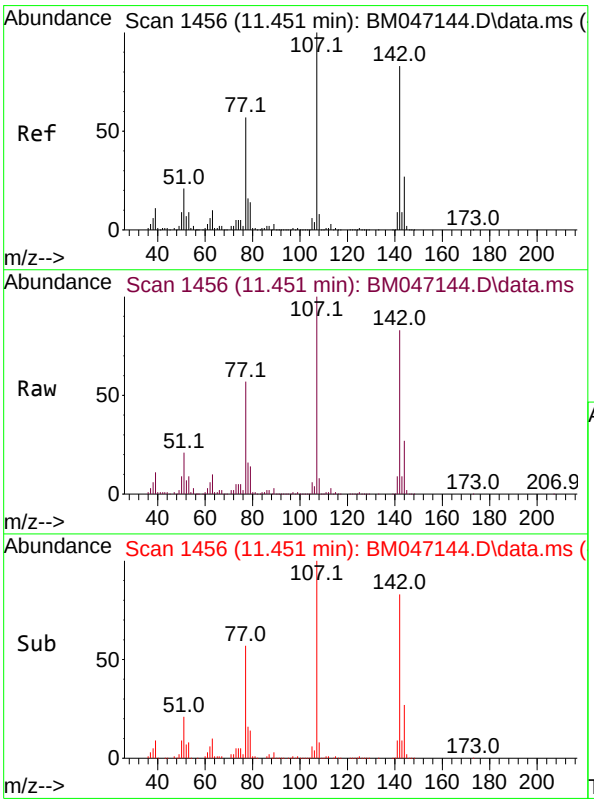
#35
Caprolactam
Concen: 40.875 ng
RT: 11.122 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 303209

Ion	Ratio	Lower	Upper
113	100		
55	160.5	140.5	180.5
56	123.6	103.6	143.6

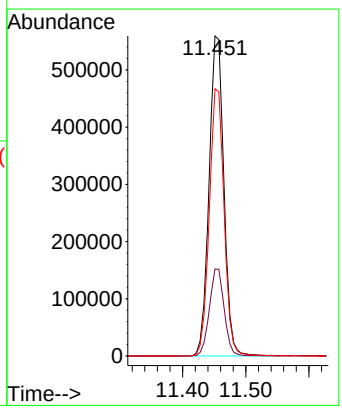


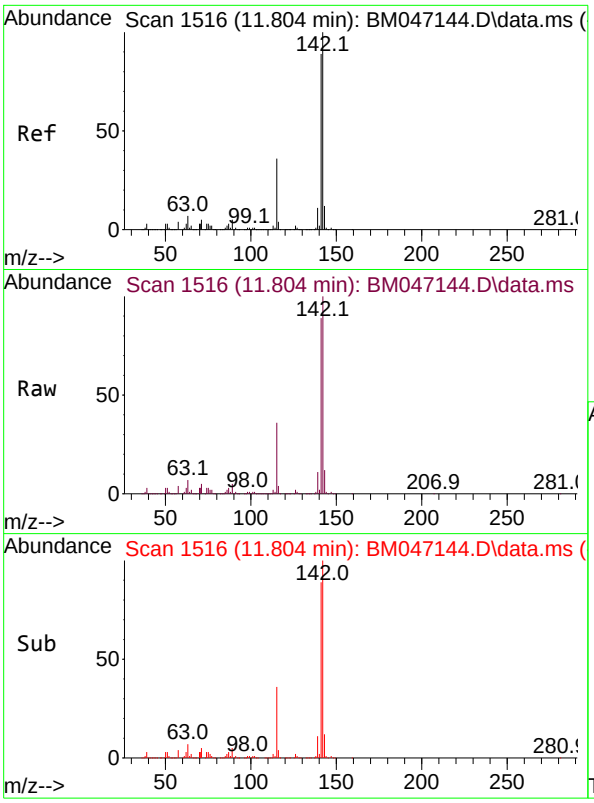


#36
4-Chloro-3-methylphenol
Concen: 39.998 ng
RT: 11.451 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:107 Resp: 909901

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.8	32.6
142	83.5	66.8	100.2



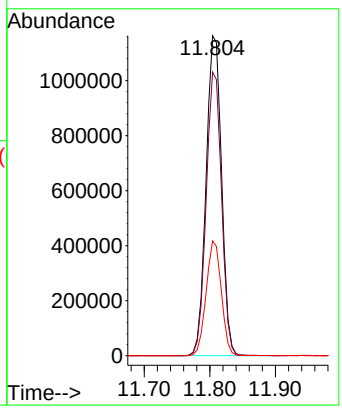


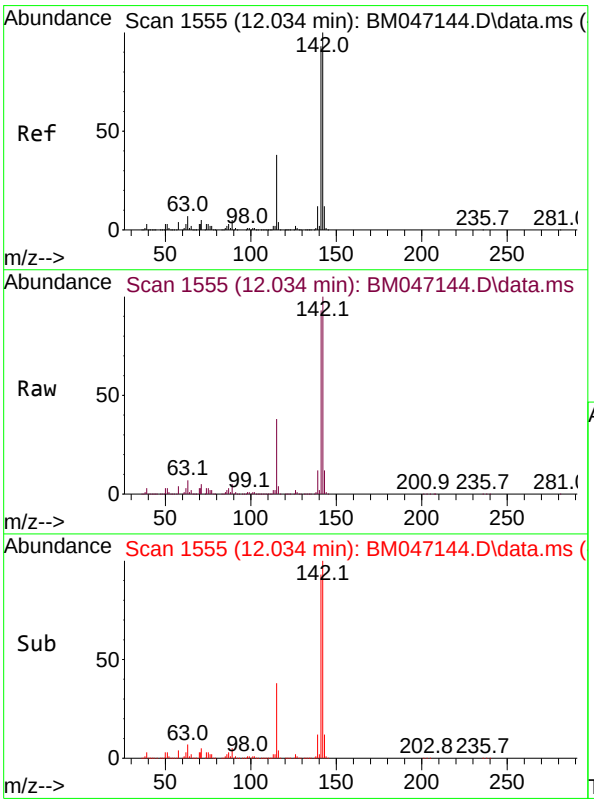
#37
2-Methylnaphthalene
Concen: 38.853 ng
RT: 11.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1912342

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3
115	35.9	28.7	43.1

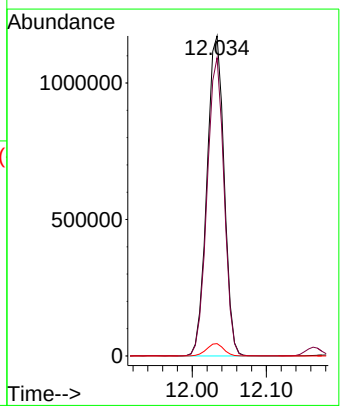


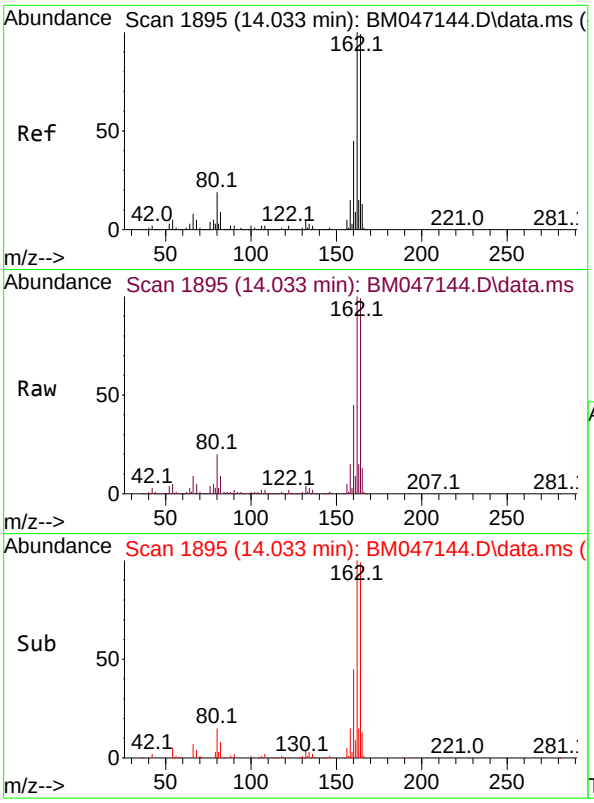


#38
1-Methylnaphthalene
Concen: 38.861 ng
RT: 12.034 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:142 Resp: 1890364

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.6	111.8
116	3.9	3.1	4.7



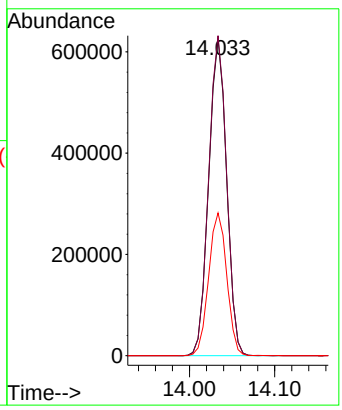


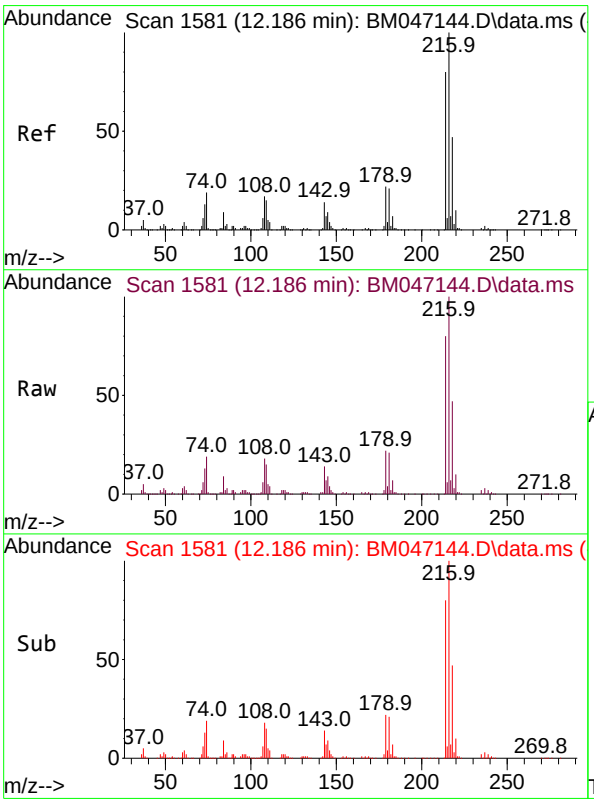
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 915049

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.7	121.1
160	45.0	36.0	54.0

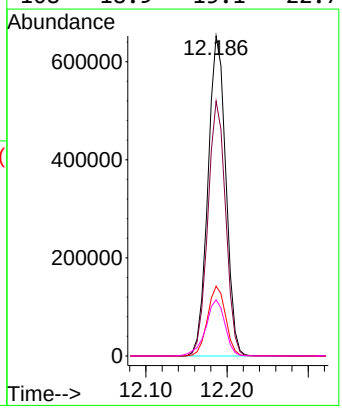


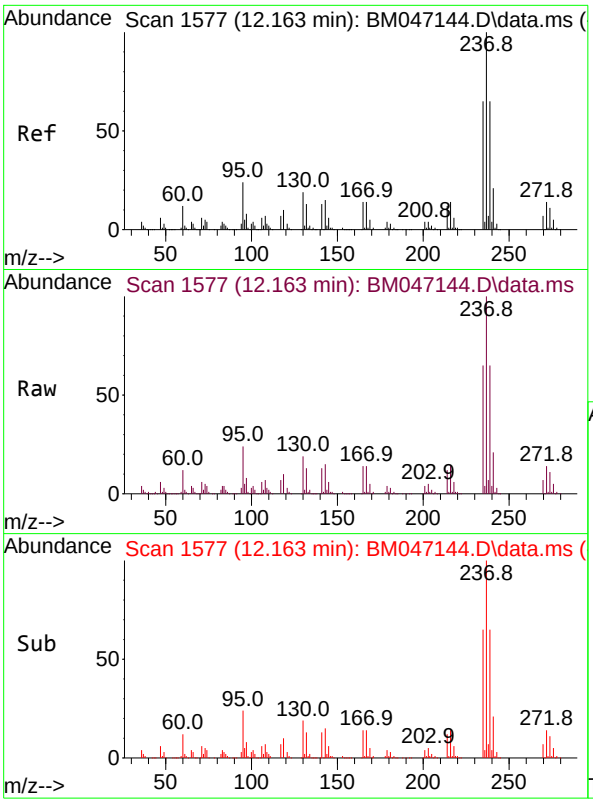


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.833 ng
RT: 12.186 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:216 Resp: 994174

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.2
179	22.0	17.6	26.4
108	18.9	15.1	22.7



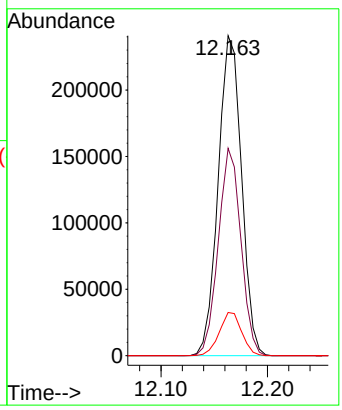


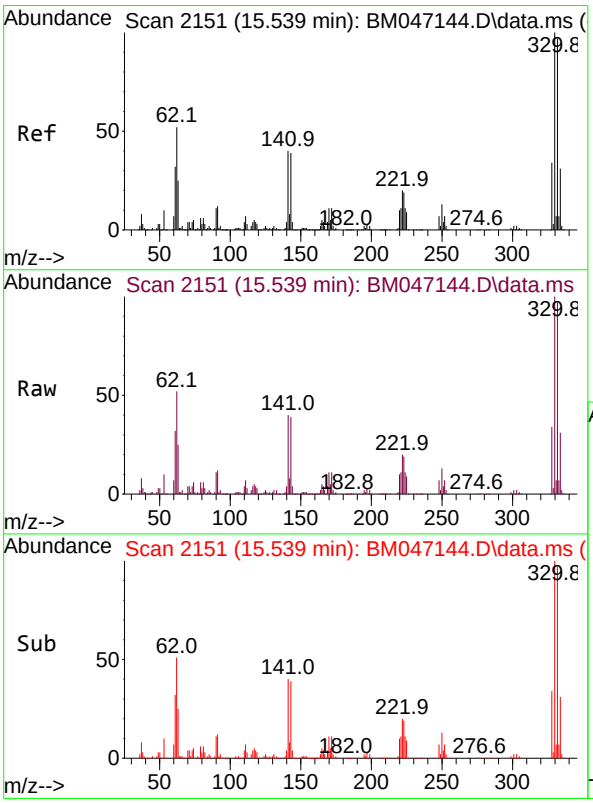
#41
Hexachlorocyclopentadiene
Concen: 42.071 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 366656

Ion	Ratio	Lower	Upper
237	100		
235	64.8	44.8	84.8
272	13.5	0.0	33.5

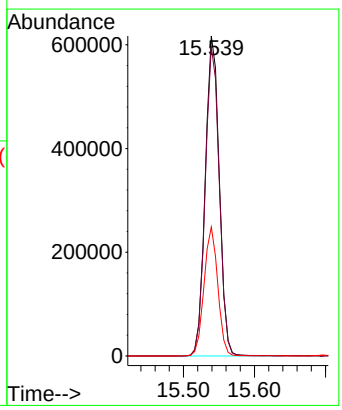


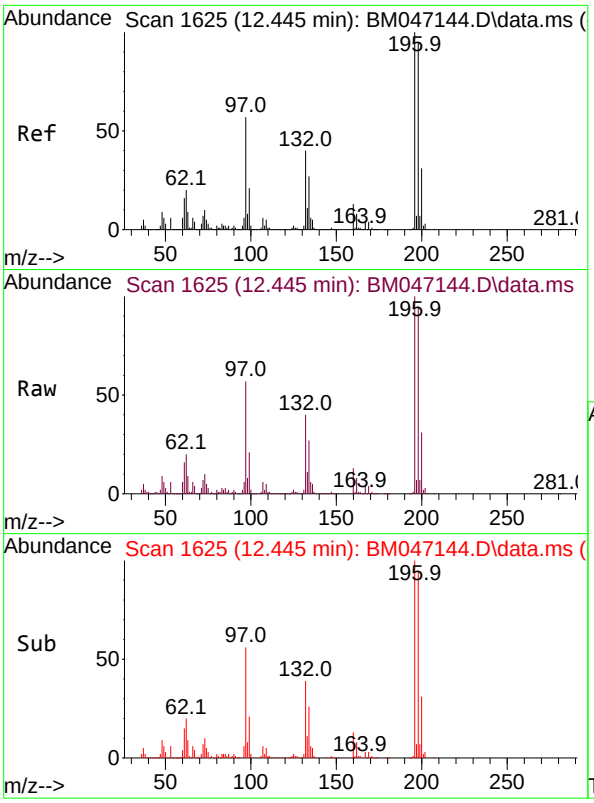


#42
2,4,6-Tribromophenol
Concen: 79.913 ng
RT: 15.539 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:330 Resp: 847891

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	39.5	31.6	47.4



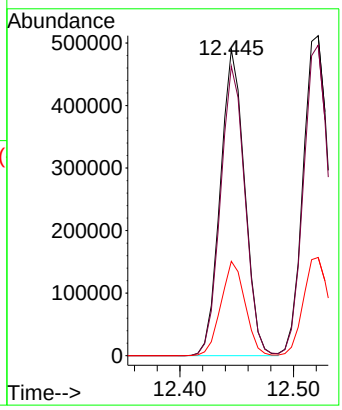


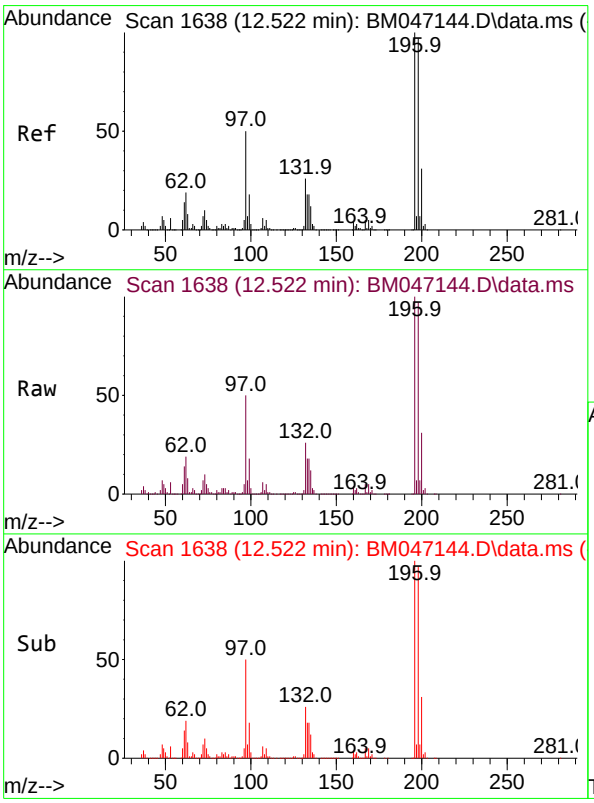
#43
2,4,6-Trichlorophenol
Concen: 41.176 ng
RT: 12.445 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 730450

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.6	113.4
200	30.8	24.6	37.0

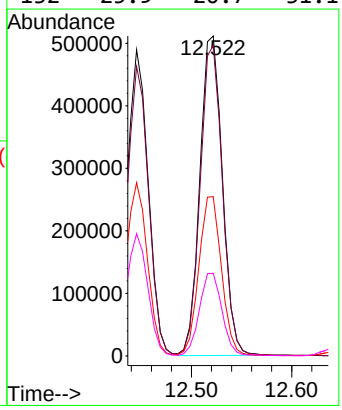


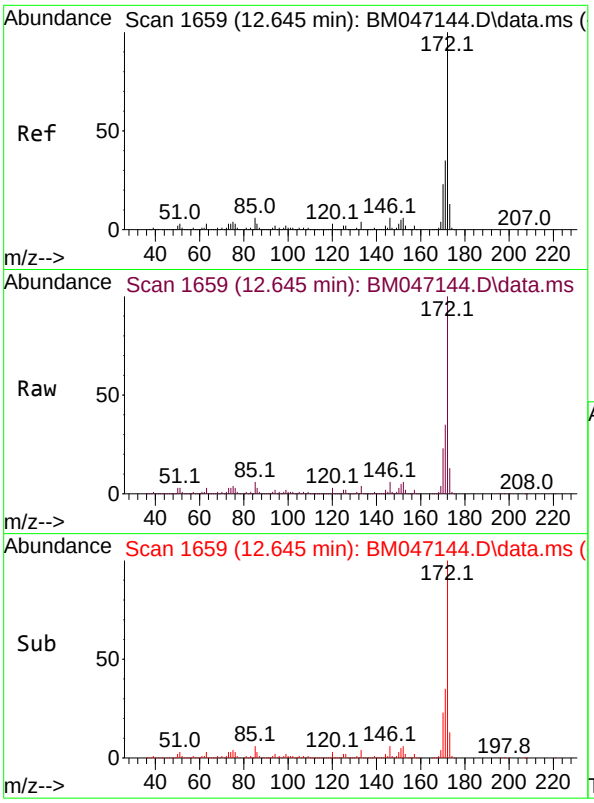


#44
2,4,5-Trichlorophenol
Concen: 40.628 ng
RT: 12.522 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:196 Resp: 800233

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.7	116.5
97	49.8	39.8	59.8
132	25.9	20.7	31.1



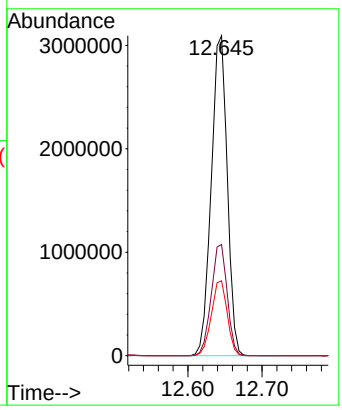


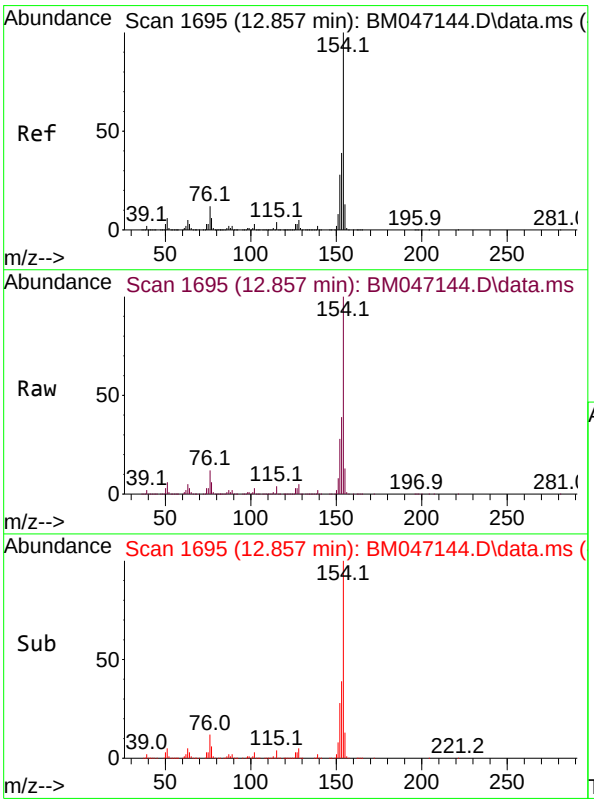
#45
2-Fluorobiphenyl
Concen: 78.021 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 4628326

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.4	18.7	28.1

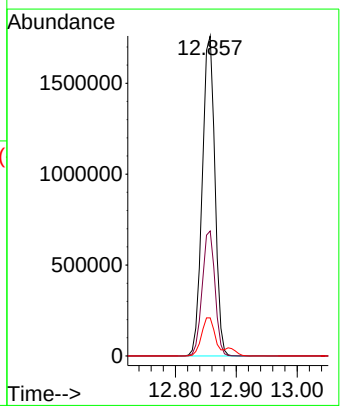


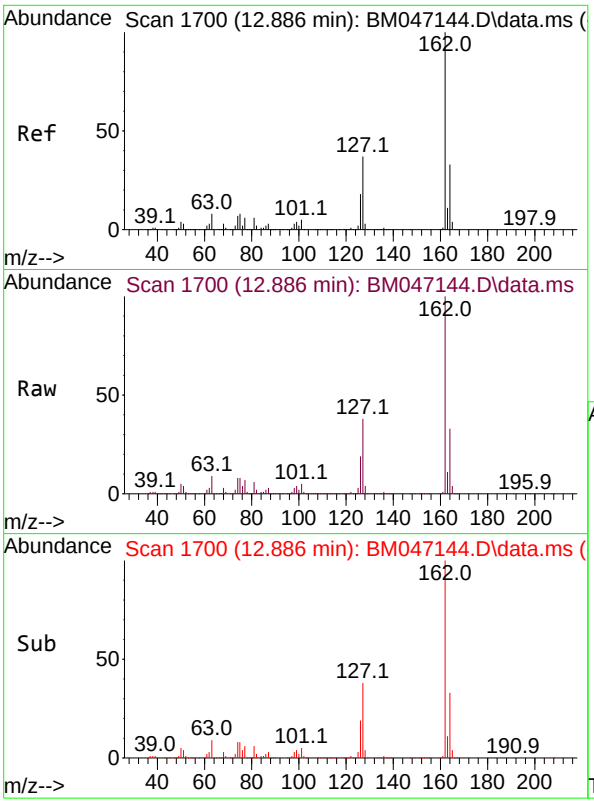


#46
1,1'-Biphenyl
Concen: 38.981 ng
RT: 12.857 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:154 Resp: 2539356

Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.0	59.0
76	11.9	0.0	31.9



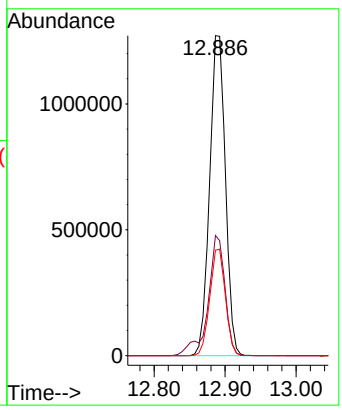


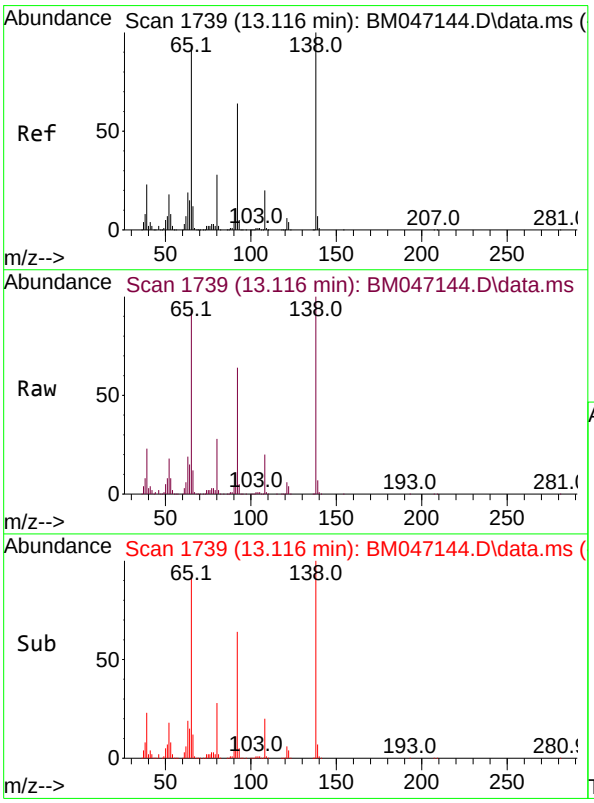
#47
2-Chloronaphthalene
Concen: 38.494 ng
RT: 12.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1959972

Ion	Ratio	Lower	Upper
162	100		
127	37.5	30.0	45.0
164	32.9	26.3	39.5

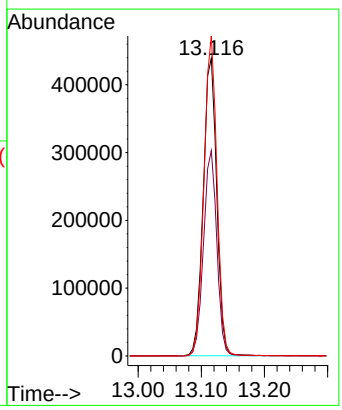


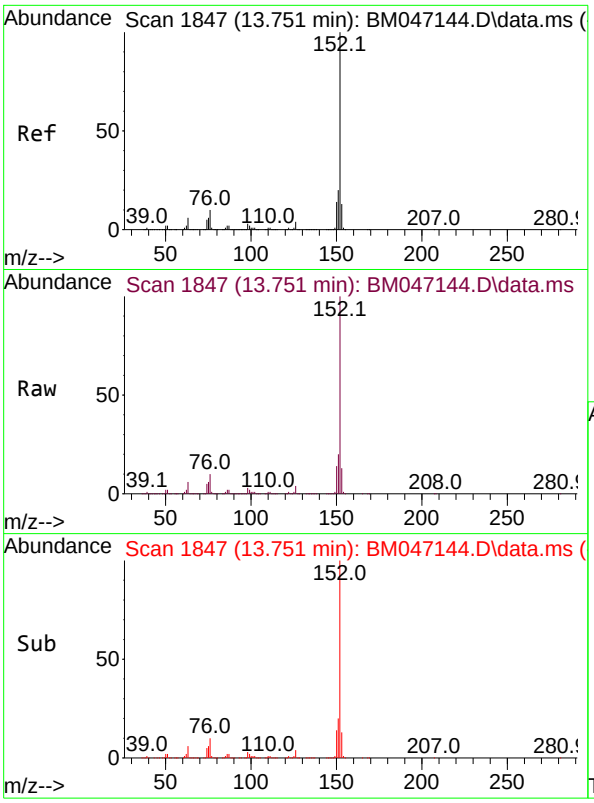


#48
2-Nitroaniline
Concen: 40.916 ng
RT: 13.116 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 65 Resp: 652655

Ion	Ratio	Lower	Upper
65	100		
92	68.9	55.1	82.7
138	107.4	85.9	128.9



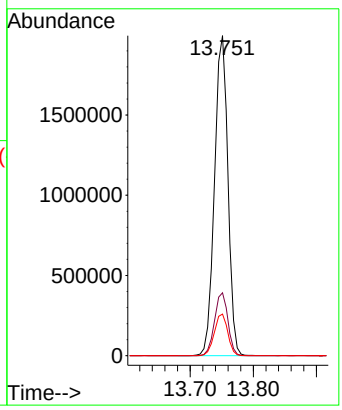


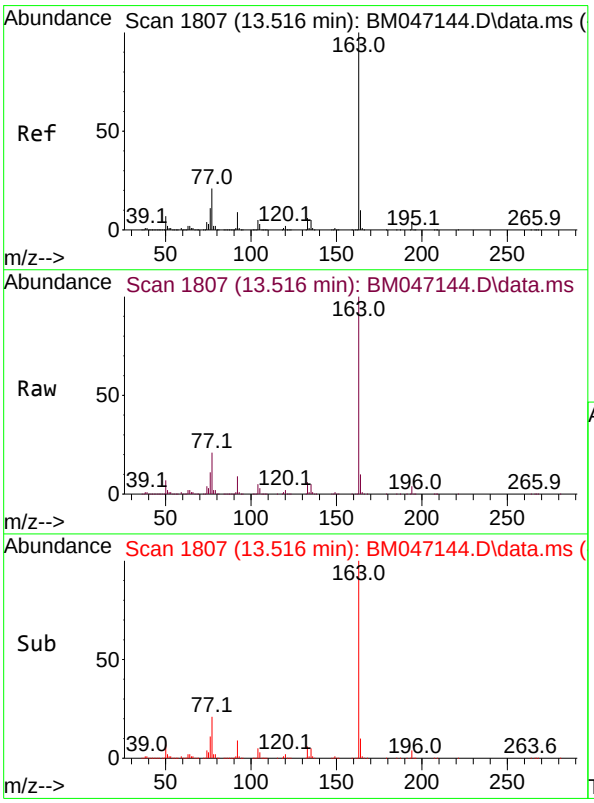
#49
Acenaphthylene
Concen: 39.060 ng
RT: 13.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2931534

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

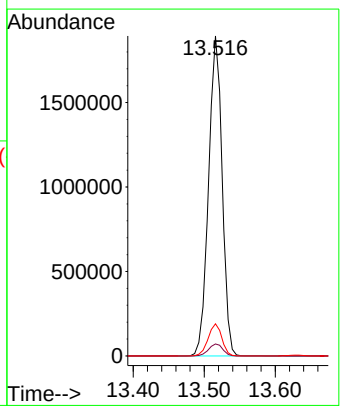


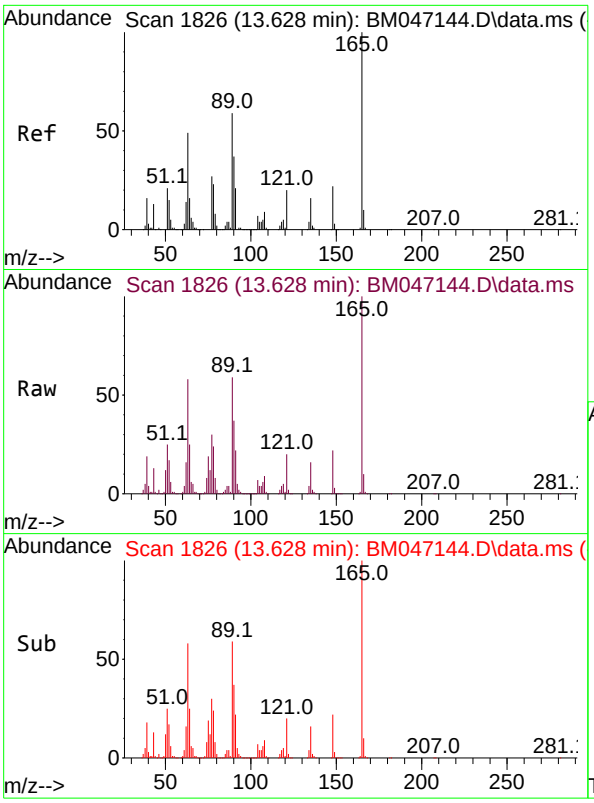


#50
Dimethylphthalate
Concen: 39.479 ng
RT: 13.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:163 Resp: 2522996

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0



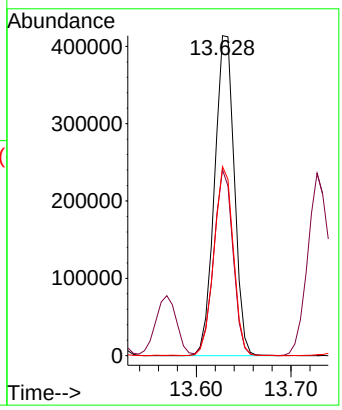


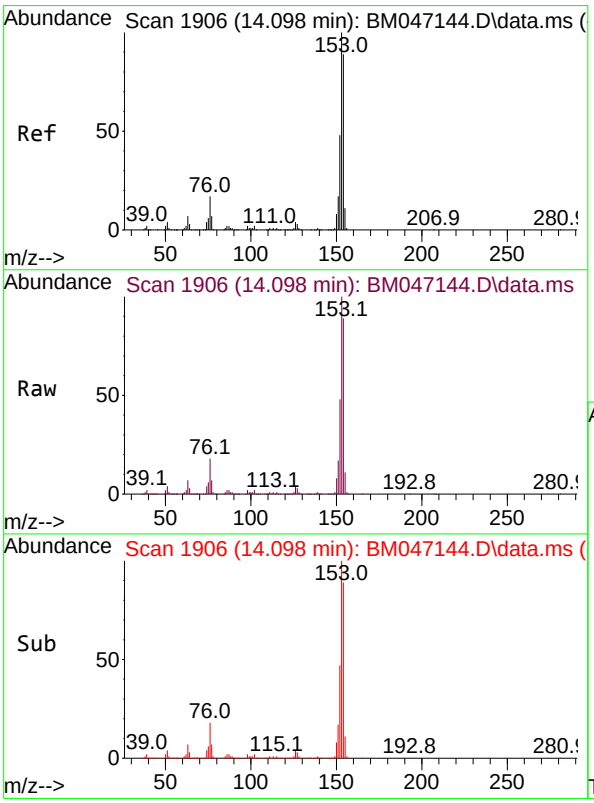
#51
2,6-Dinitrotoluene
Concen: 40.235 ng
RT: 13.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 601084

Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.5	69.7
89	59.1	47.3	70.9

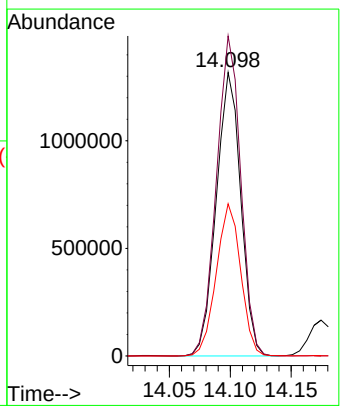


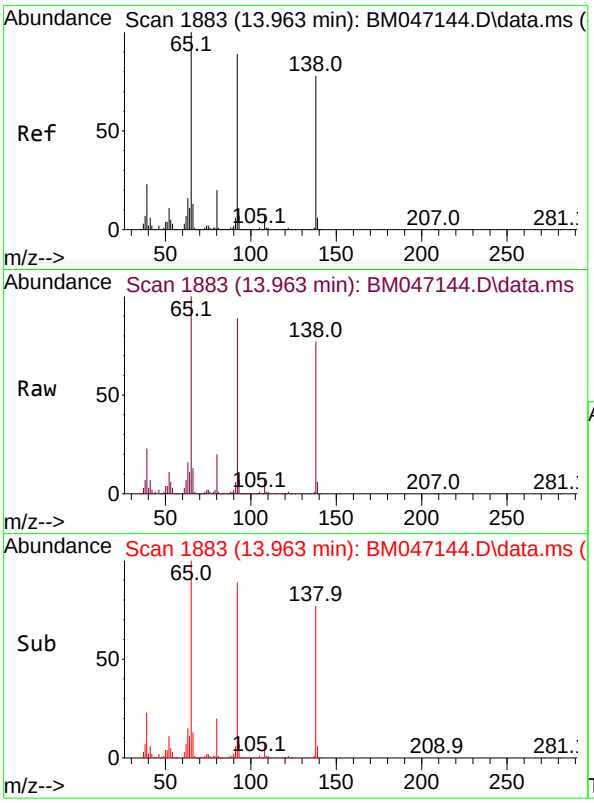


#52
Acenaphthene
Concen: 38.733 ng
RT: 14.098 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:154 Resp: 1844024

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.3	135.5
152	53.6	42.9	64.3



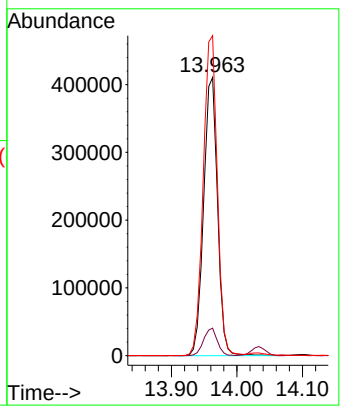


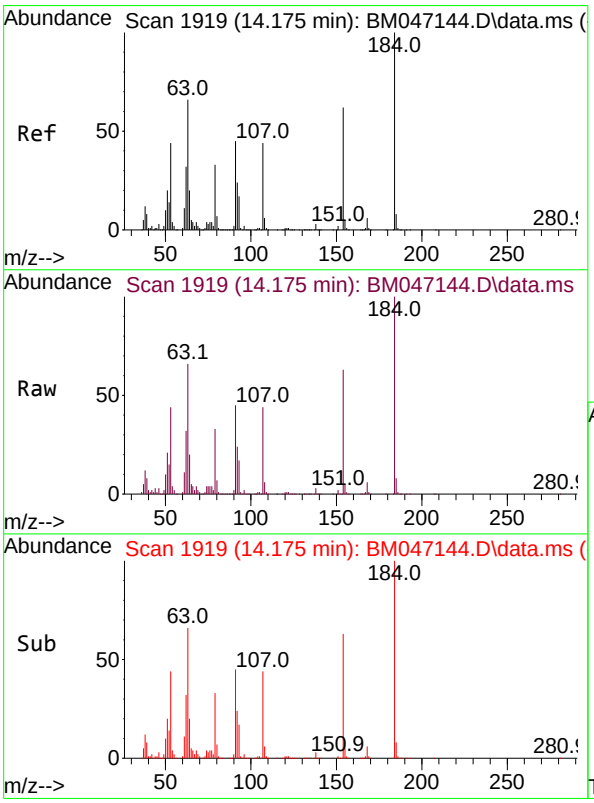
#53
3-Nitroaniline
Concen: 40.486 ng
RT: 13.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 606076

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	115.0	92.0	138.0

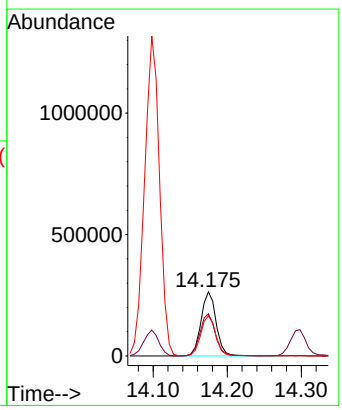


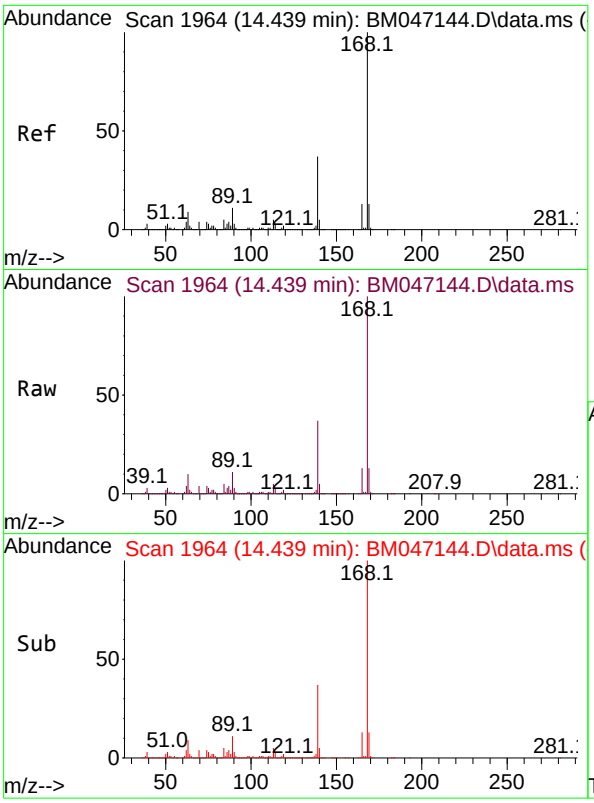


#54
2,4-Dinitrophenol
Concen: 41.679 ng
RT: 14.175 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:184 Resp: 373189

Ion	Ratio	Lower	Upper
184	100		
63	65.9	52.7	79.1
154	63.0	50.4	75.6



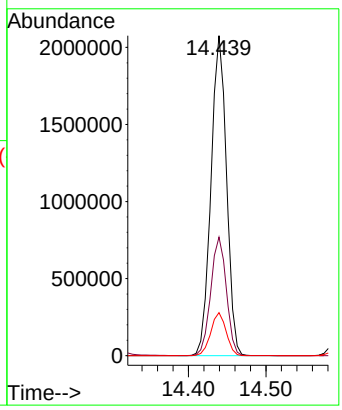


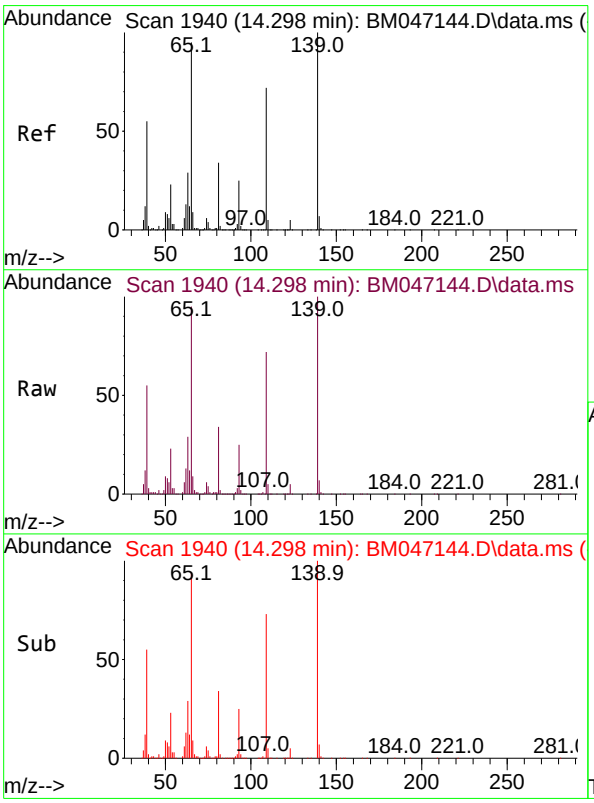
#55
Dibenzofuran
Concen: 38.434 ng
RT: 14.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2890230

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.6	44.4
169	13.4	10.7	16.1

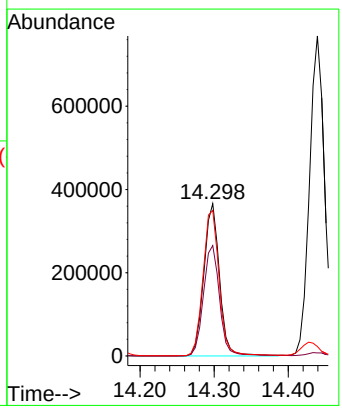


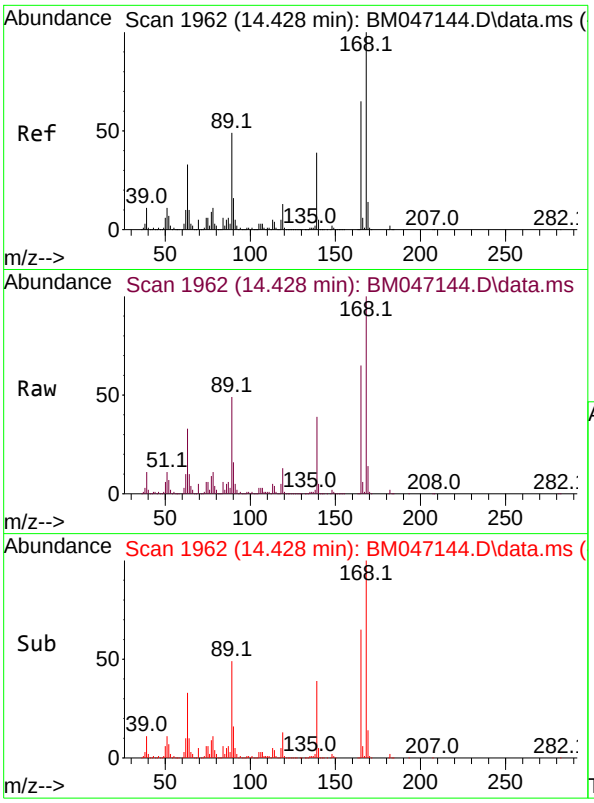


#56
4-Nitrophenol
Concen: 41.602 ng
RT: 14.298 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:139 Resp: 537017

Ion	Ratio	Lower	Upper
139	100		
109	72.5	52.5	92.5
65	95.4	75.4	115.4



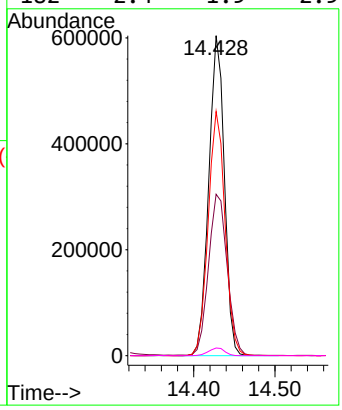


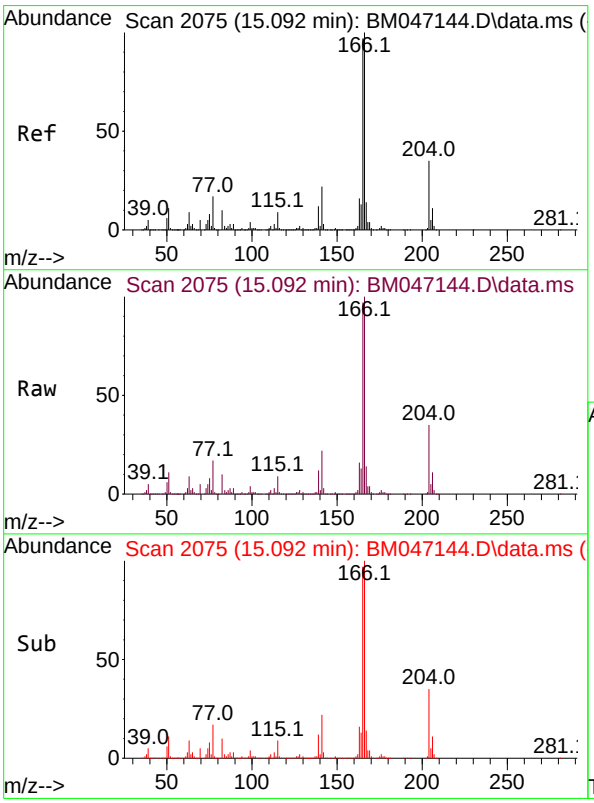
#57
2,4-Dinitrotoluene
Concen: 40.441 ng
RT: 14.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 806412

Ion	Ratio	Lower	Upper
165	100		
63	50.4	40.3	60.5
89	76.3	61.0	91.6
182	2.4	1.9	2.9

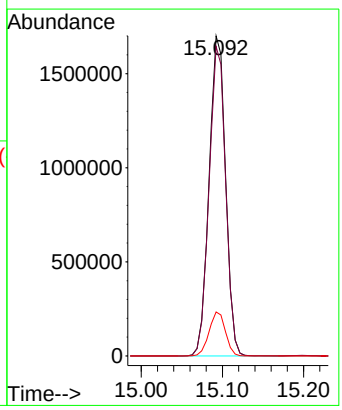


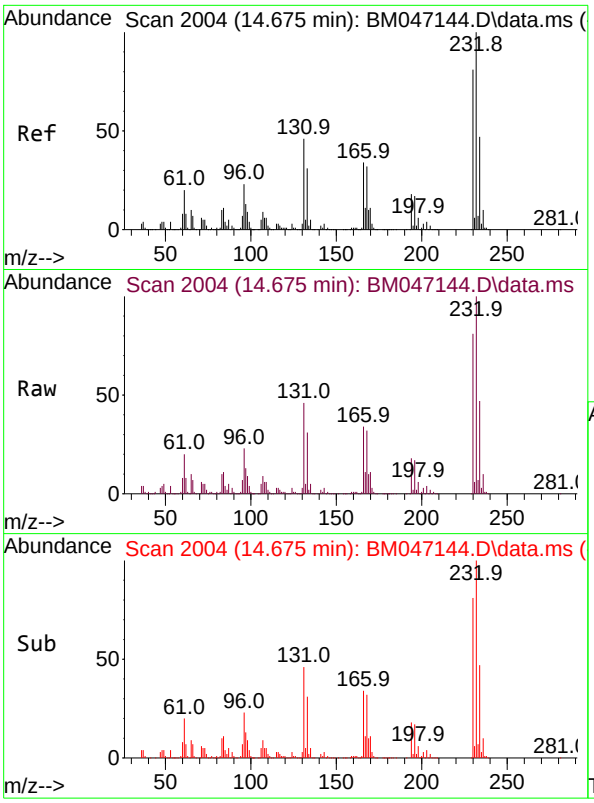


#58
Fluorene
Concen: 38.607 ng
RT: 15.092 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:166 Resp: 2395462

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.4	116.0
167	13.8	11.0	16.6



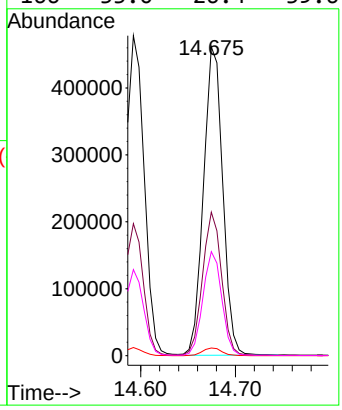


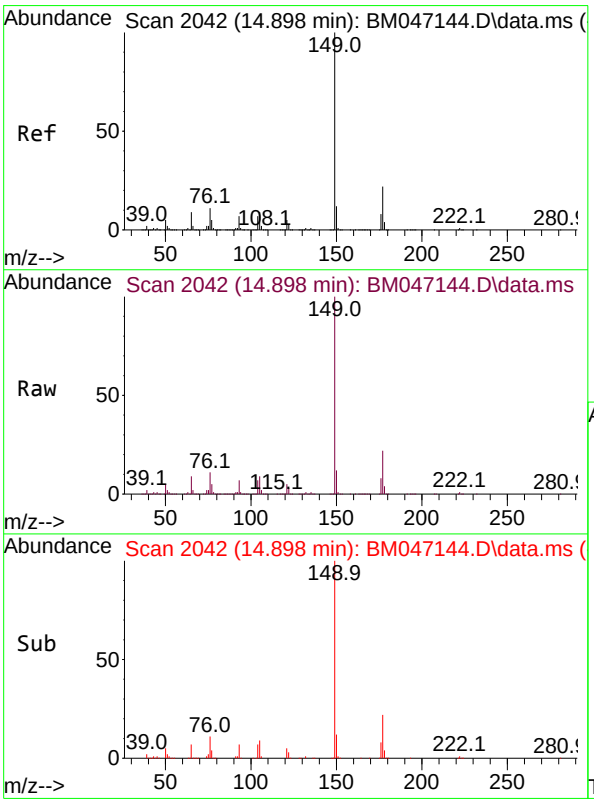
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.167 ng
RT: 14.675 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 650207

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.9	55.3
130	2.5	2.0	3.0
166	33.0	26.4	39.6

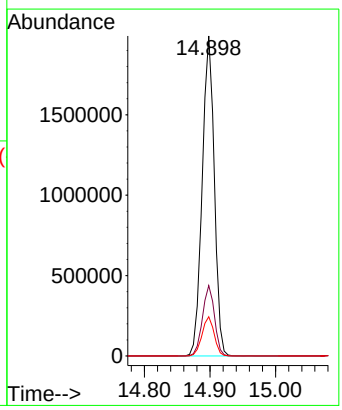


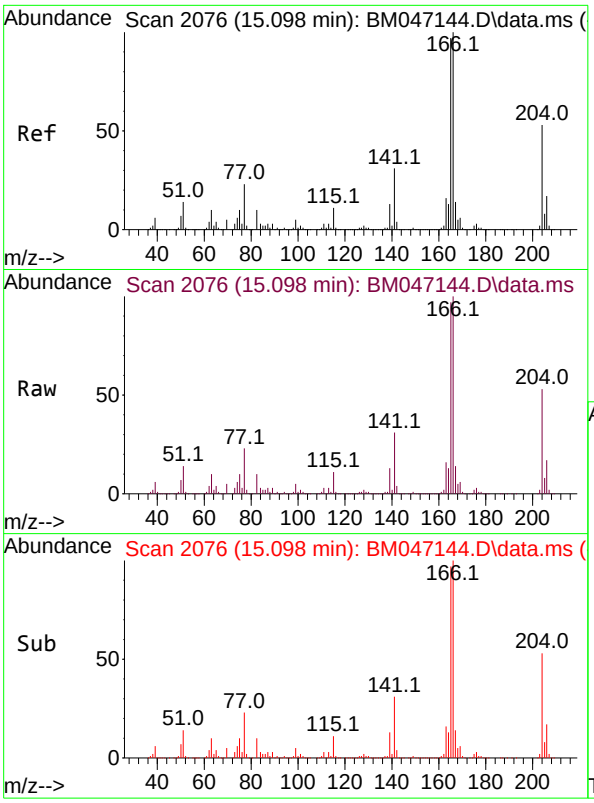


#60
Diethylphthalate
Concen: 39.196 ng
RT: 14.898 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 2558000

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.2	9.8	14.6



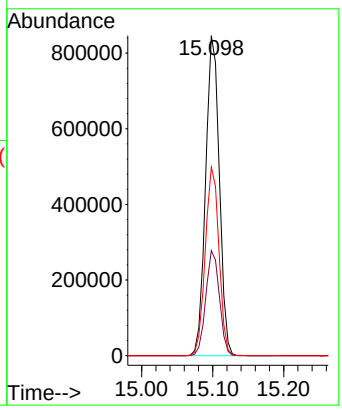


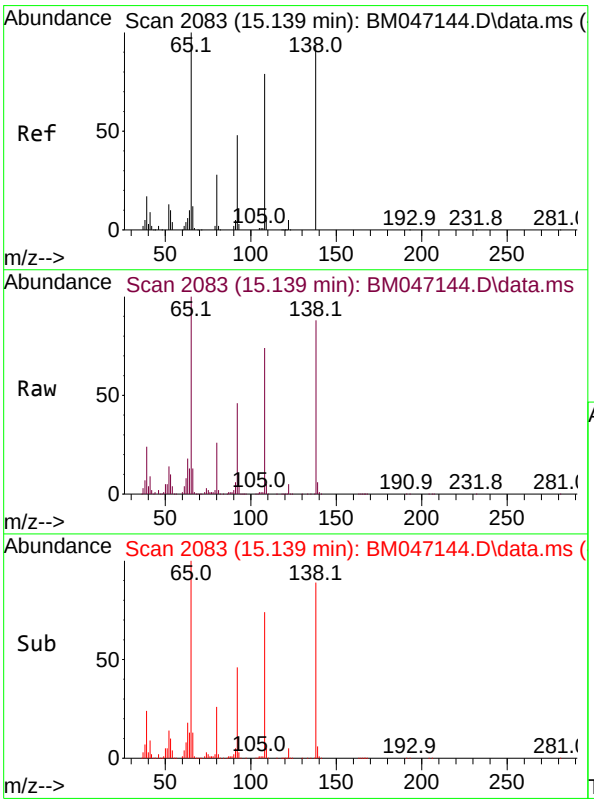
#61
4-Chlorophenyl-phenylether
Concen: 38.496 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1137143

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	59.0	47.2	70.8

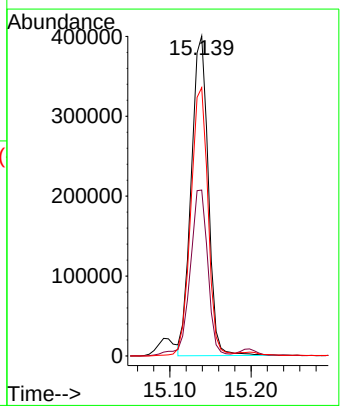


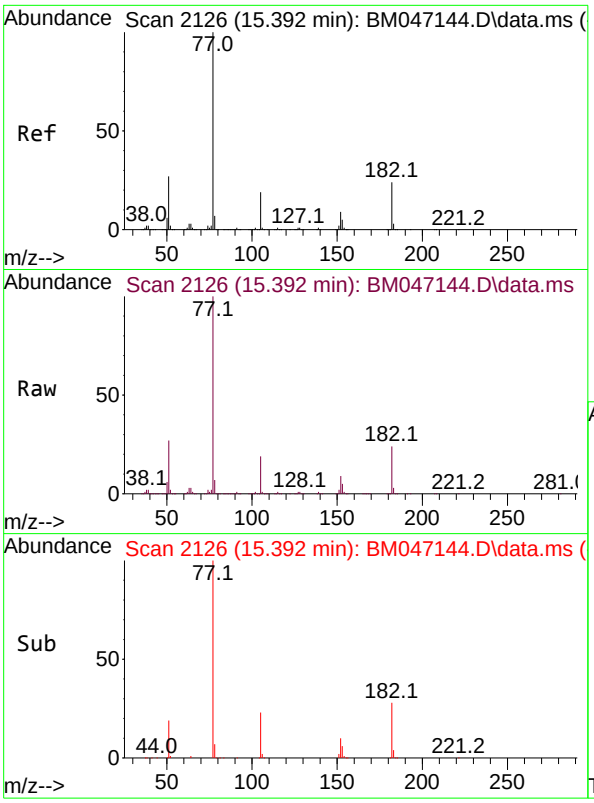


#62
4-Nitroaniline
Concen: 39.609 ng
RT: 15.139 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:138 Resp: 584150

Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.9	71.9
108	83.8	63.8	103.8



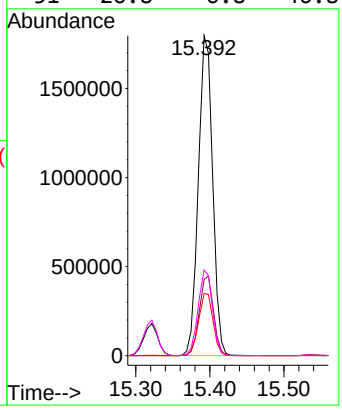


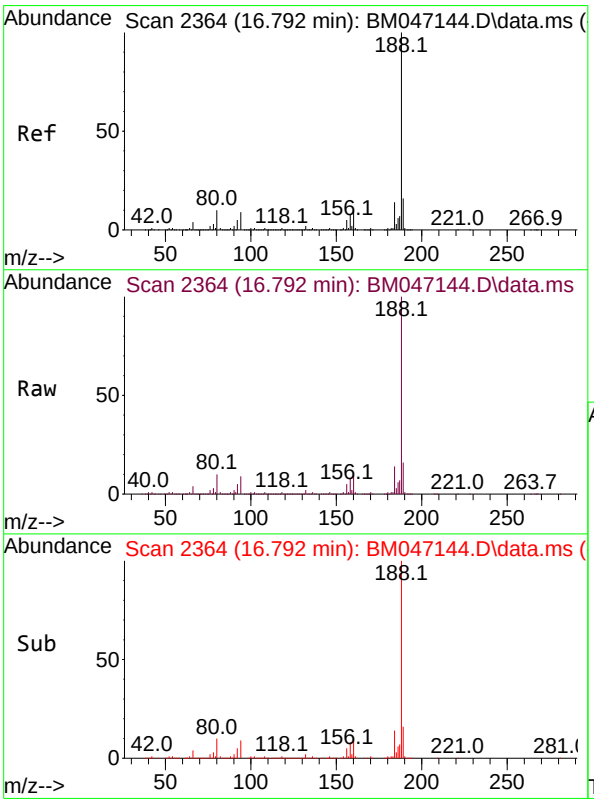
#63
Azobenzene
Concen: 38.848 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 2403859

Ion	Ratio	Lower	Upper
77	100		
182	23.8	3.8	43.8
105	19.5	0.0	39.5
51	26.8	6.8	46.8

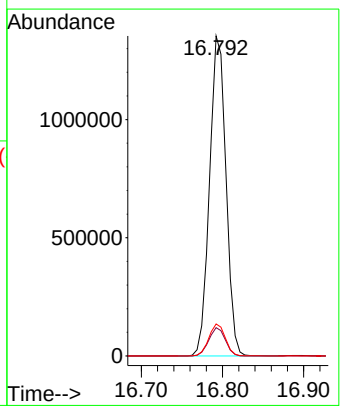


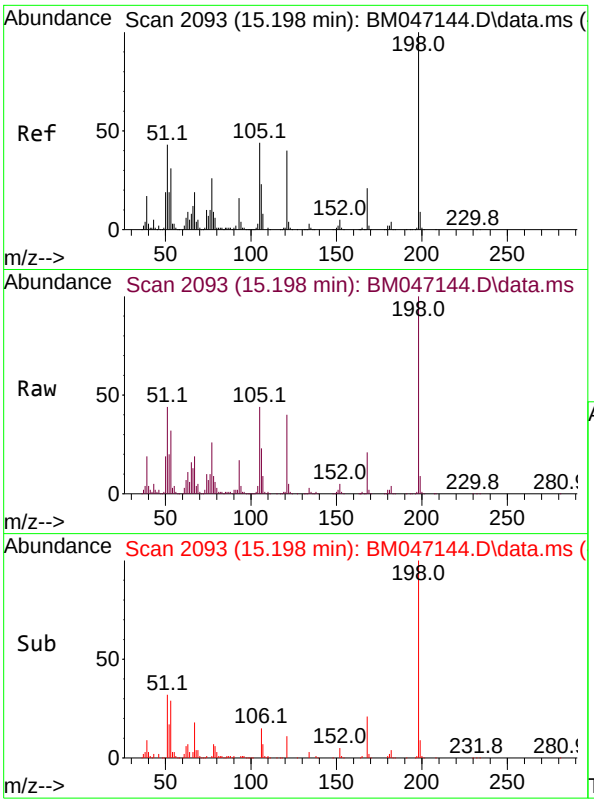


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:188 Resp: 1901562

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.6
80	10.0	8.0	12.0



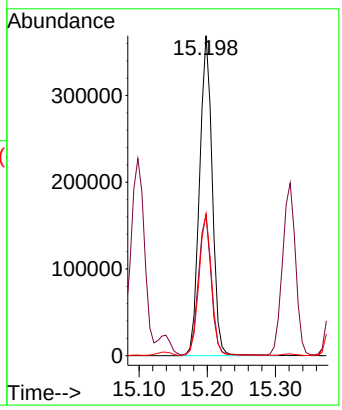


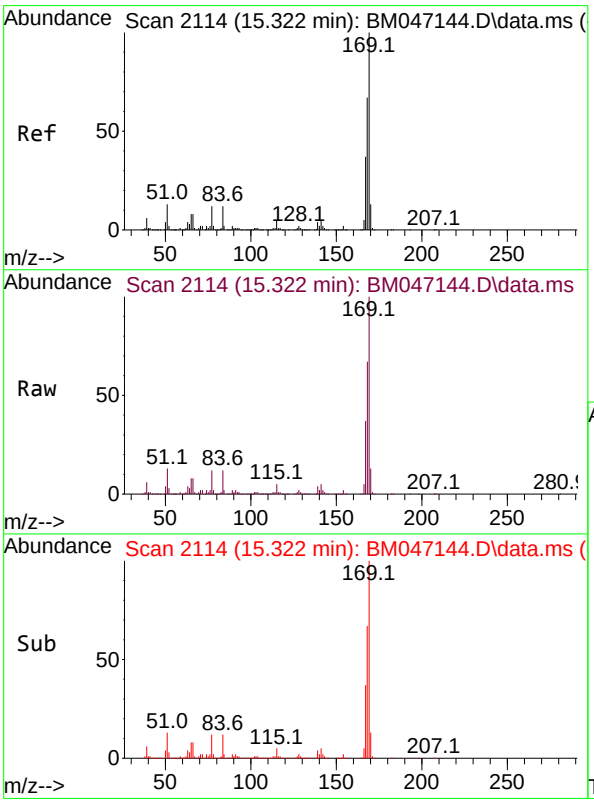
#65
4,6-Dinitro-2-methylphenol
Concen: 42.835 ng
RT: 15.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 476893

Ion	Ratio	Lower	Upper
198	100		
51	43.9	23.9	63.9
105	44.3	24.3	64.3

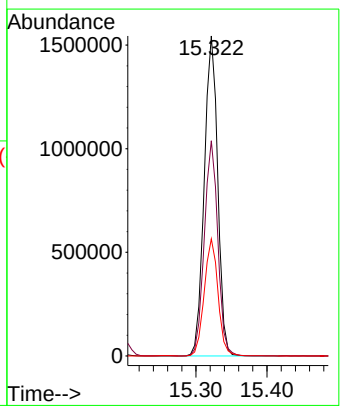


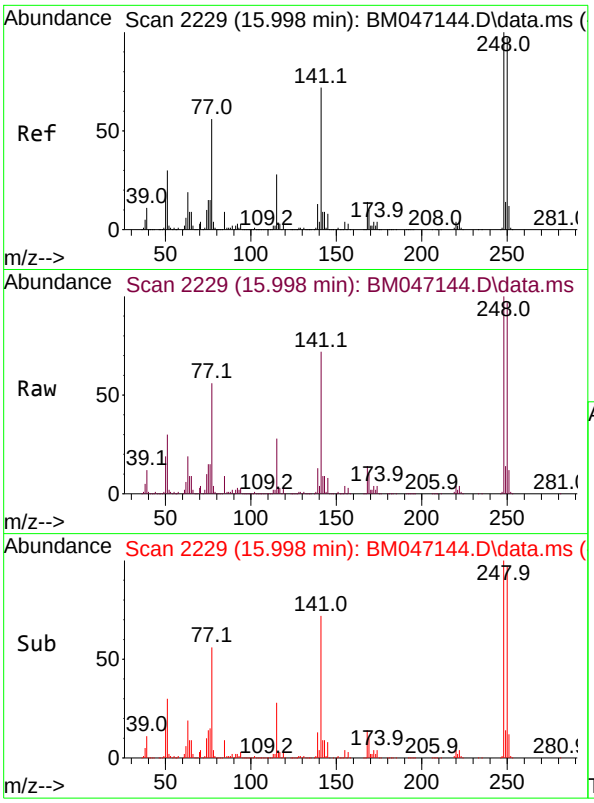


#66
n-Nitrosodiphenylamine
Concen: 39.377 ng
RT: 15.322 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:169 Resp: 2039493

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.8	80.8
167	36.6	29.3	43.9



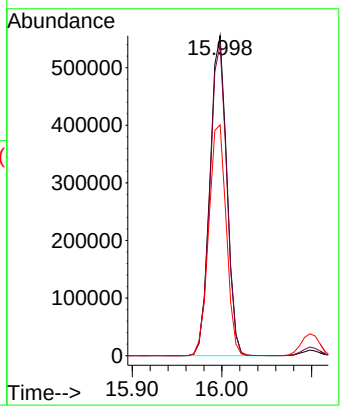


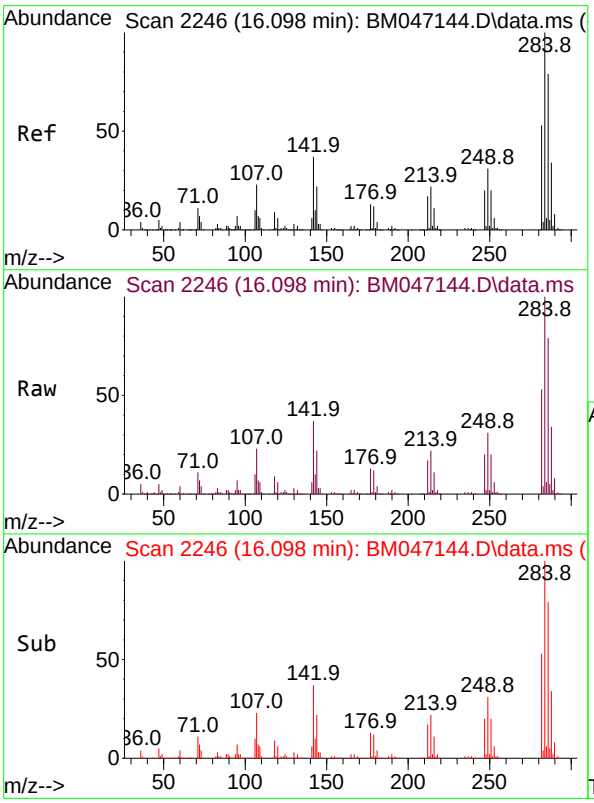
#67
4-Bromophenyl-phenylether
Concen: 39.608 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 725772

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	72.1	57.7	86.5

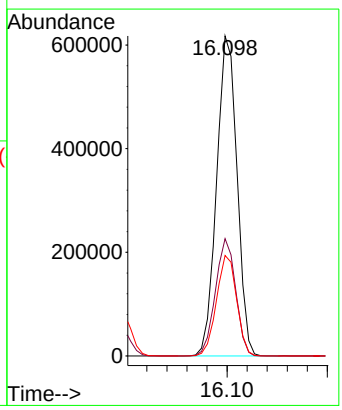


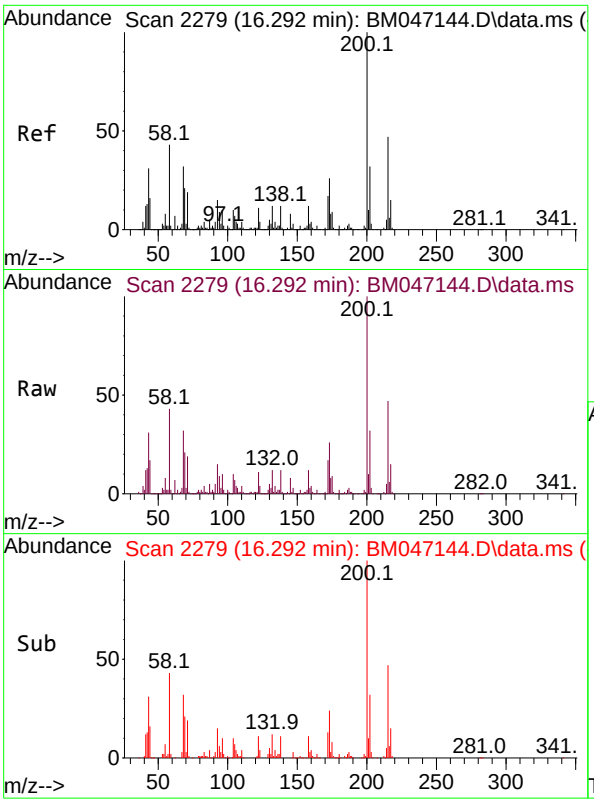


#68
Hexachlorobenzene
Concen: 39.667 ng
RT: 16.098 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:284 Resp: 870505

Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.4	44.0
249	31.4	25.1	37.7



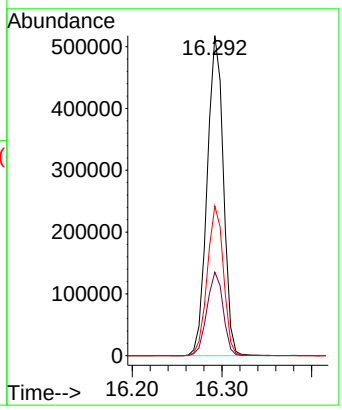


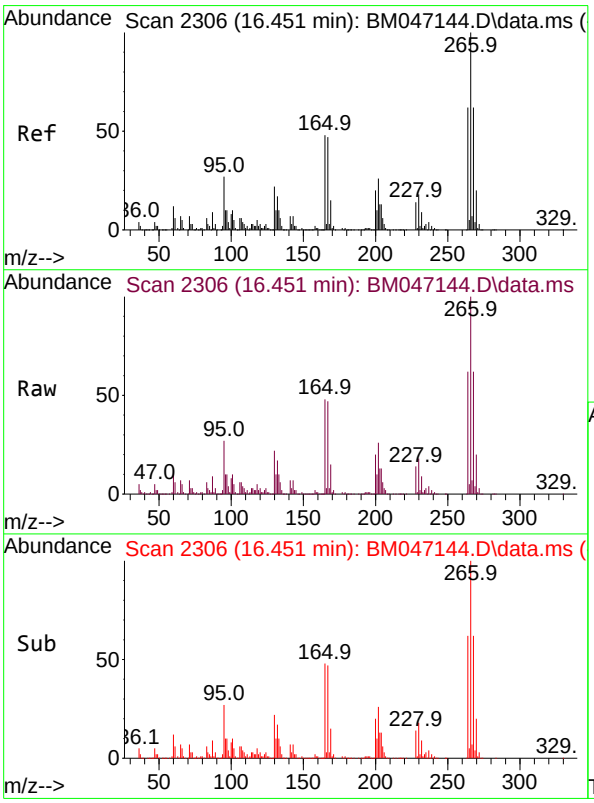
#69
Atrazine
Concen: 41.597 ng
RT: 16.292 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 648319

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.1	46.1
215	46.8	26.8	66.8

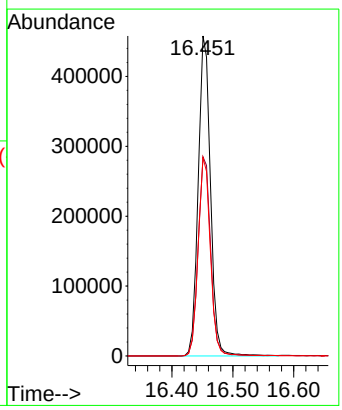


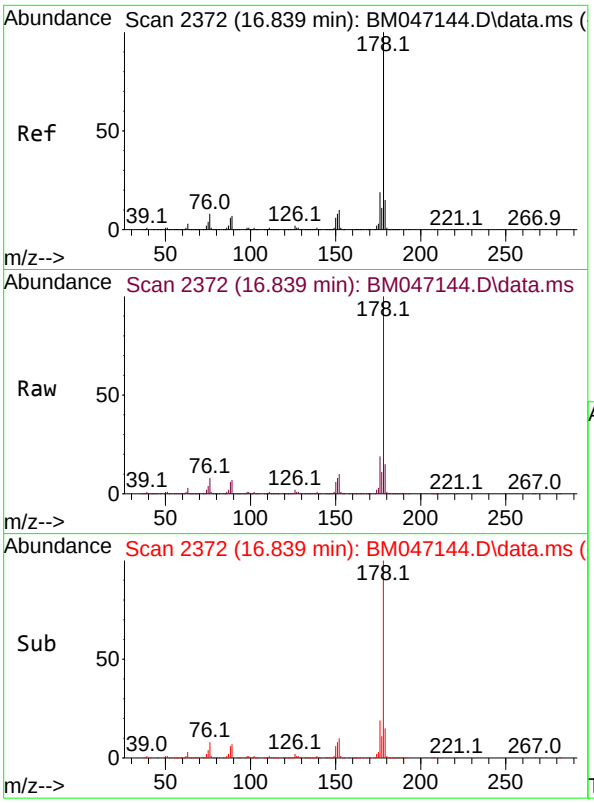


#70
Pentachlorophenol
Concen: 41.480 ng
RT: 16.451 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:266 Resp: 638108

Ion	Ratio	Lower	Upper
266	100		
268	62.2	49.8	74.6
264	62.0	49.6	74.4



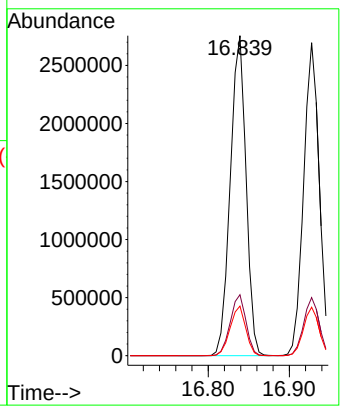


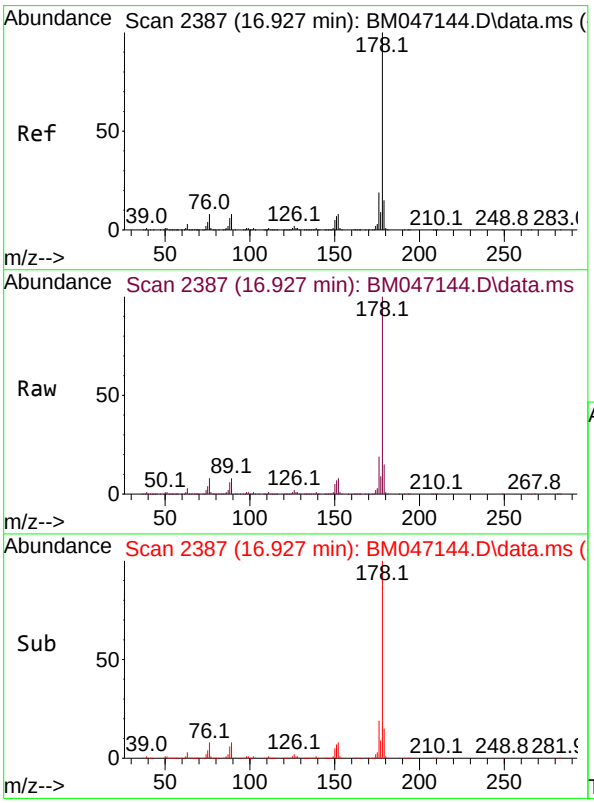
#71
Phenanthrene
Concen: 38.901 ng
RT: 16.839 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 3712379

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.4	18.6

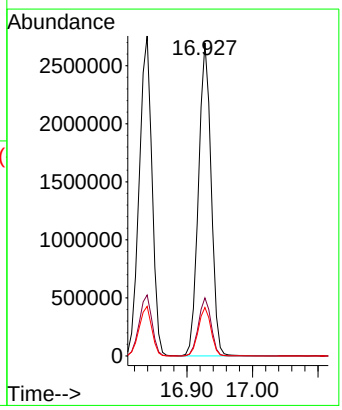


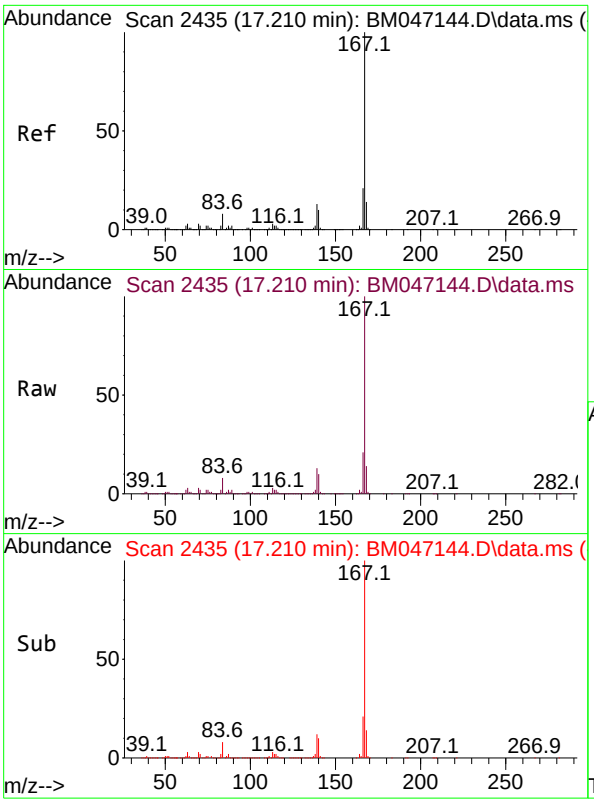


#72
Anthracene
Concen: 39.024 ng
RT: 16.927 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:178 Resp: 3623679

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6



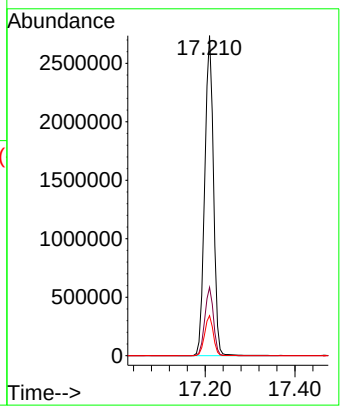


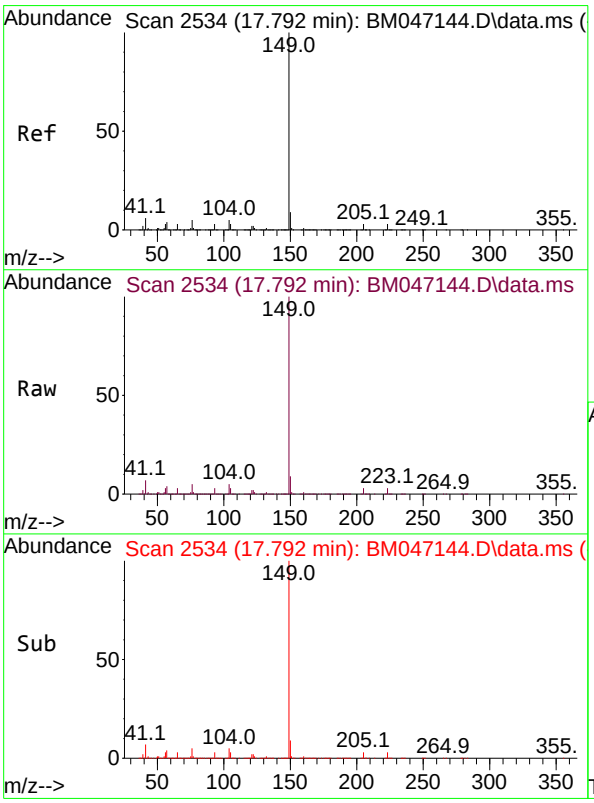
#73
Carbazole
Concen: 38.952 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 3693008

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.5	10.0	15.0

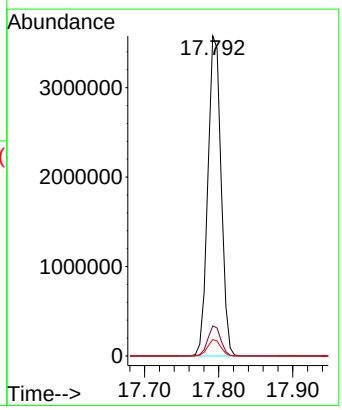


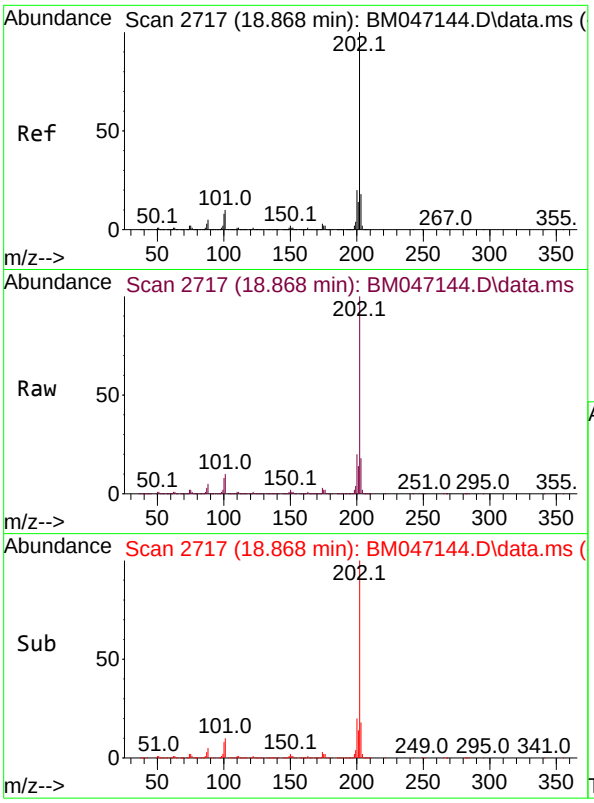


#74
Di-n-butylphthalate
Concen: 40.165 ng
RT: 17.792 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 4430949

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1



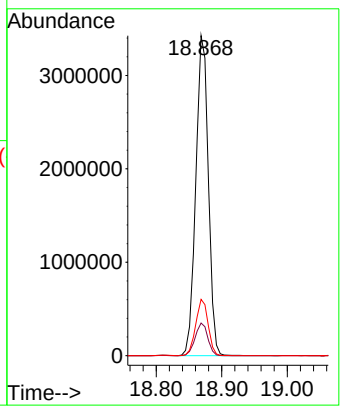


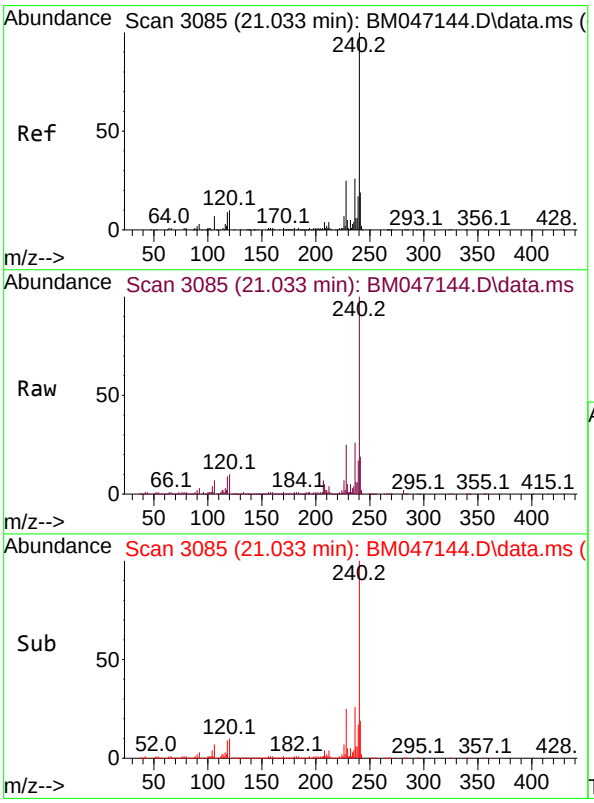
#75
Fluoranthene
Concen: 39.279 ng
RT: 18.868 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 4559377

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6

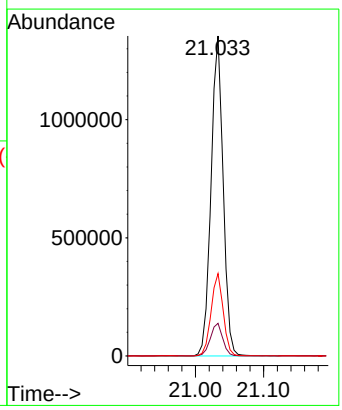


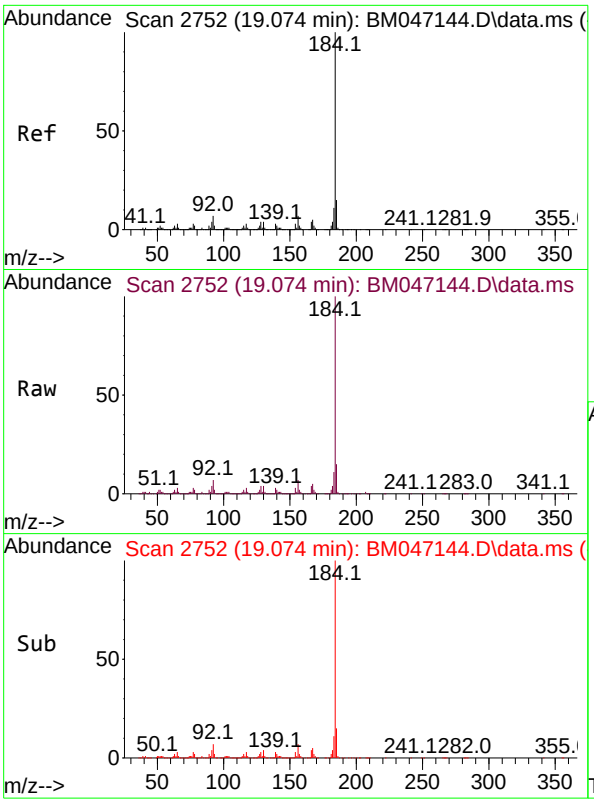


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:240 Resp: 1674112

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.7	20.6	30.8



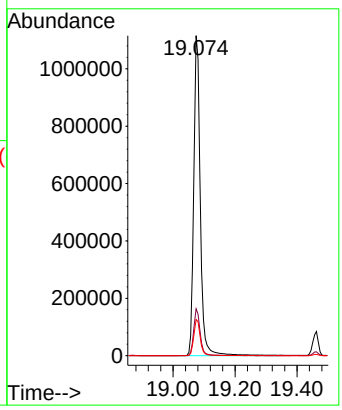


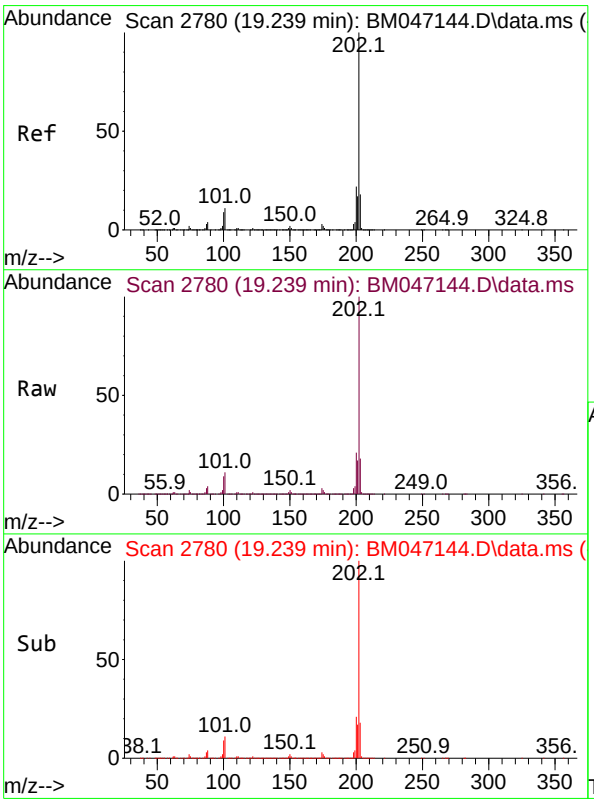
#77
Benzidine
Concen: 57.629 ng
RT: 19.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1636101

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.3	9.0	13.6

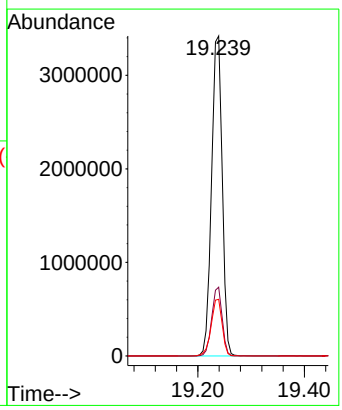


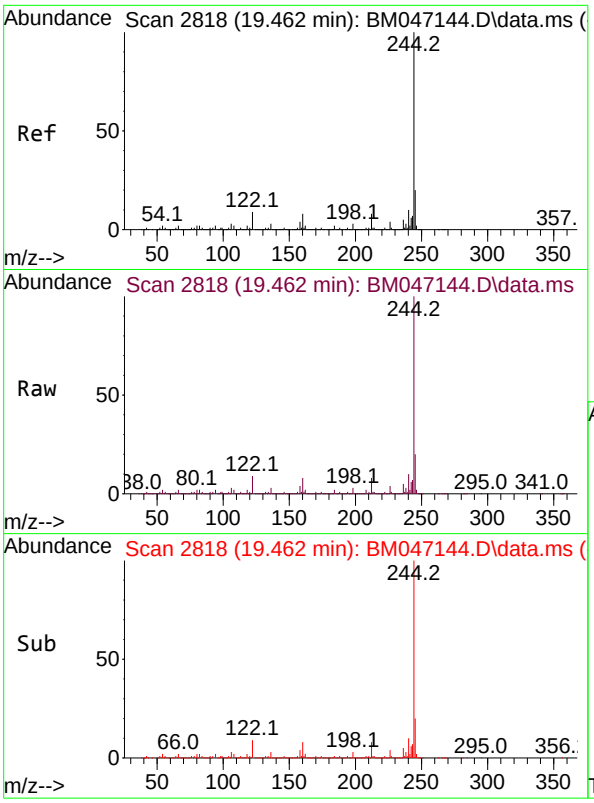


#78
Pyrene
Concen: 39.909 ng
RT: 19.239 min Scan# 2780
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:202 Resp: 4770524

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.7	14.2	21.2



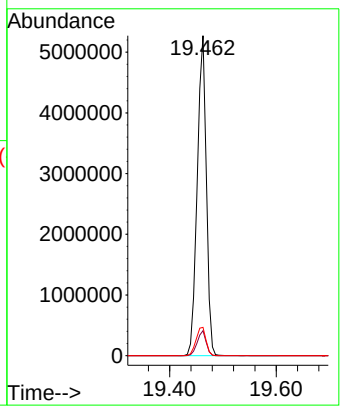


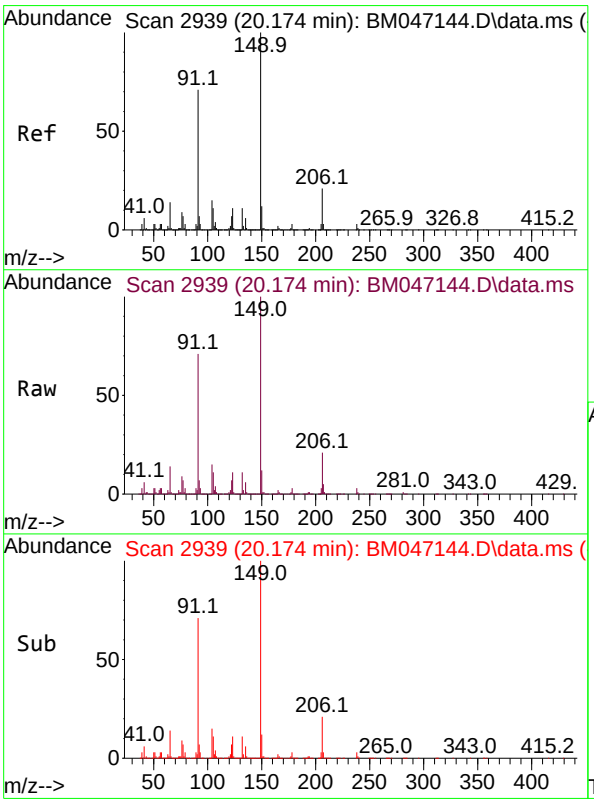
#79
Terphenyl-d14
Concen: 80.275 ng
RT: 19.462 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6271744

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	8.9	7.1	10.7

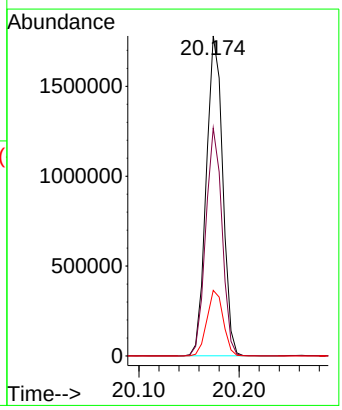


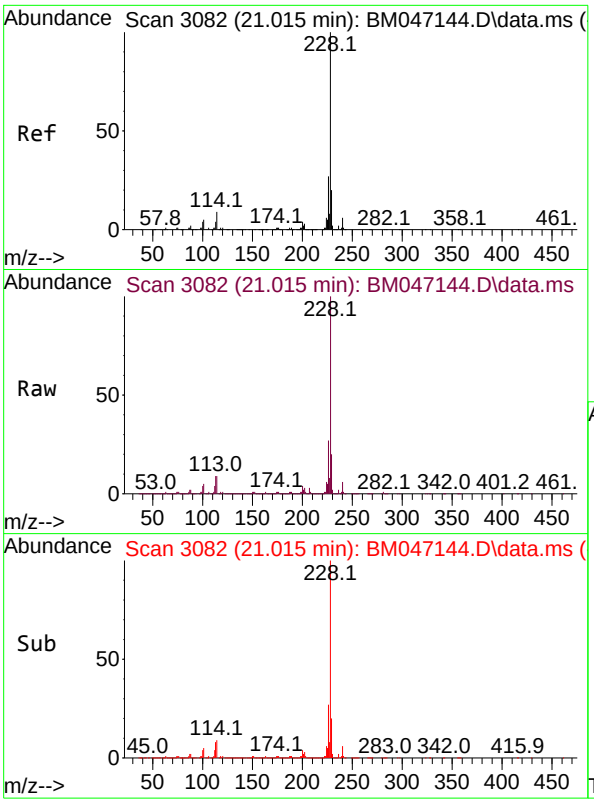


#80
Butylbenzylphthalate
Concen: 41.719 ng
RT: 20.174 min Scan# 2939
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 2035184

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.0	85.4
206	20.5	16.4	24.6



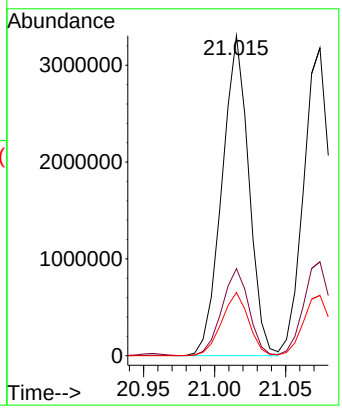


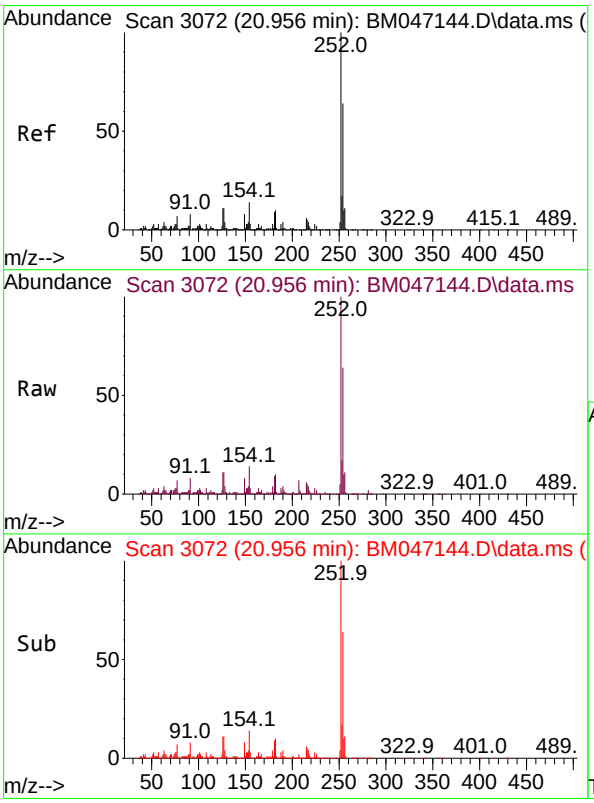
#81
Benzo(a)anthracene
Concen: 39.170 ng
RT: 21.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4353304

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.6
229	19.8	15.8	23.8

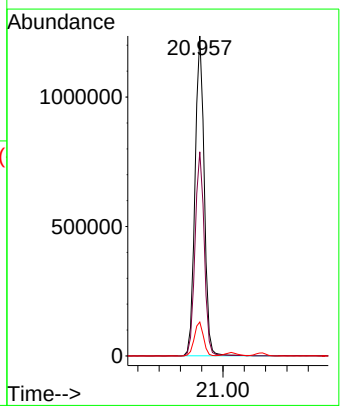


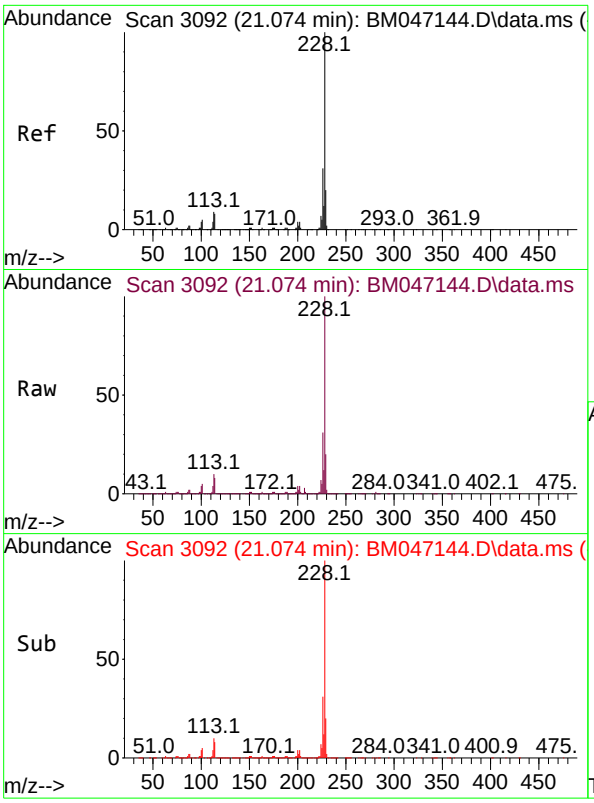


#82
3,3'-Dichlorobenzidine
Concen: 42.667 ng
RT: 20.956 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:252 Resp: 1483651

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	10.6	8.5	12.7



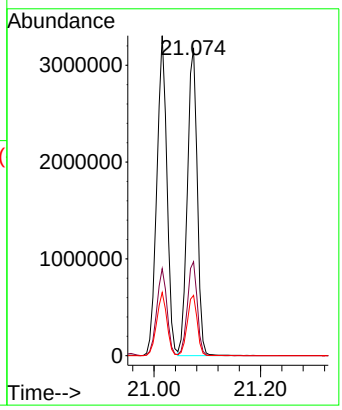


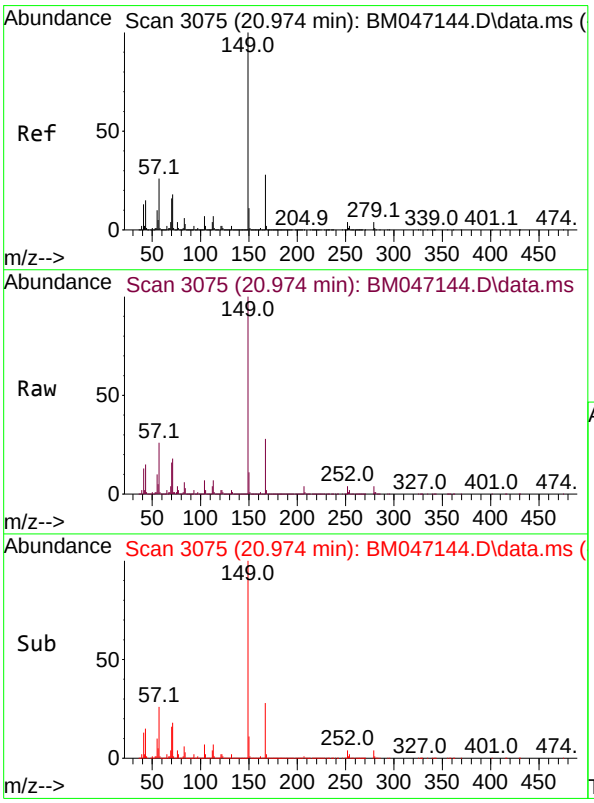
#83
Chrysene
Concen: 38.858 ng
RT: 21.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4097336

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	19.6	15.7	23.5

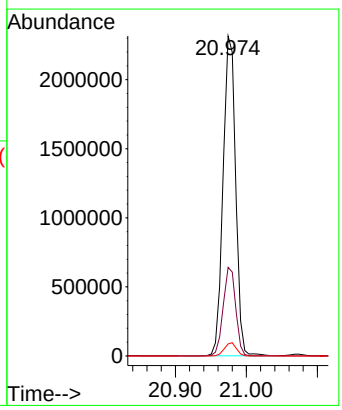


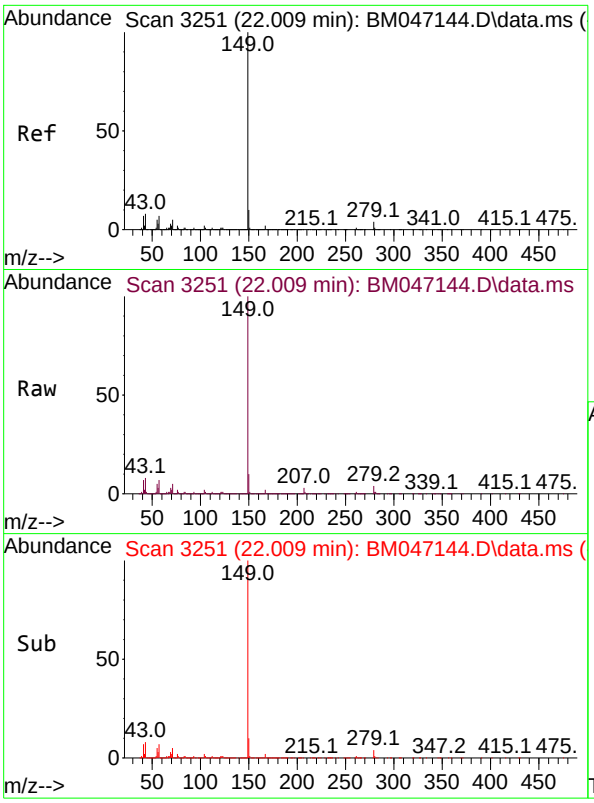


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.891 ng
RT: 20.974 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 2828936

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.2
279	3.7	3.0	4.4



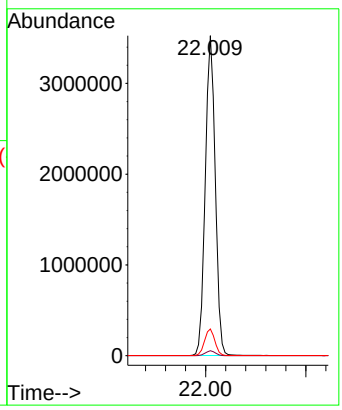


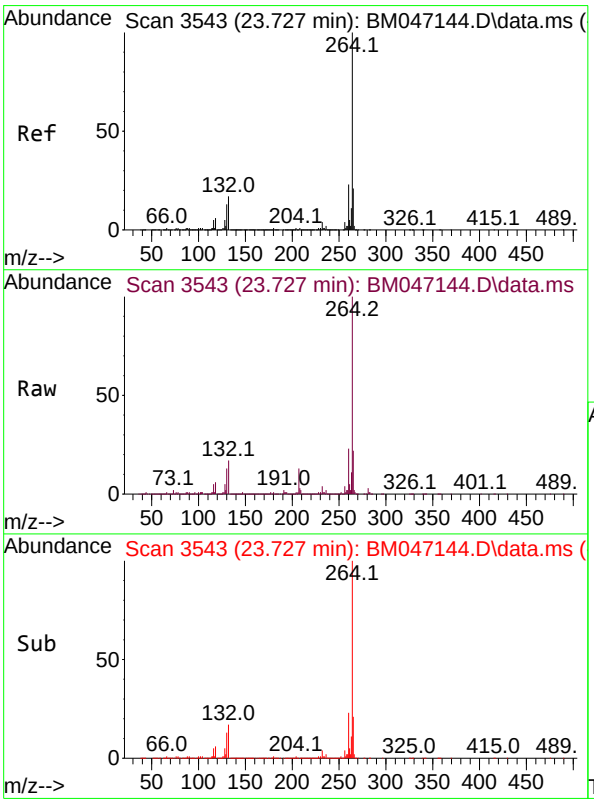
#85
Di-n-octyl phthalate
Concen: 41.489 ng
RT: 22.009 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 4878689

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

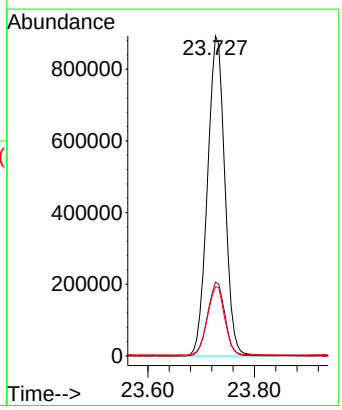


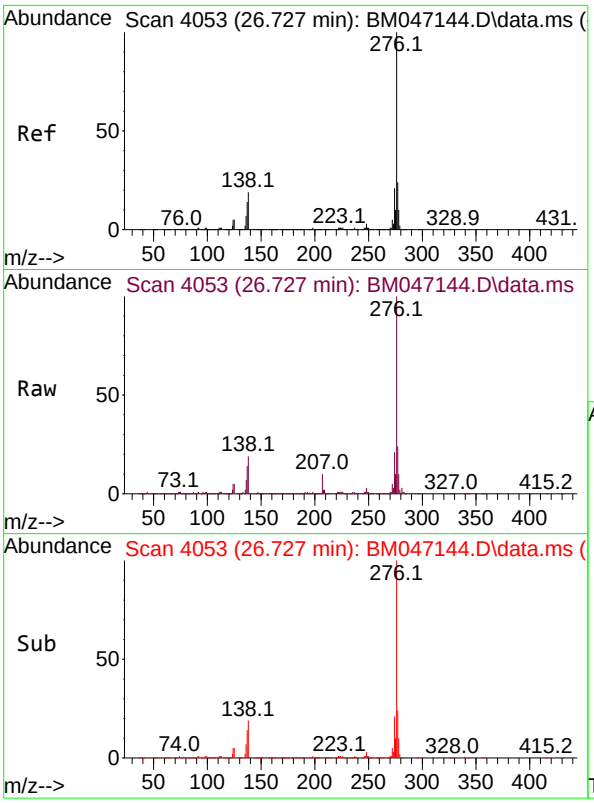


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:264 Resp: 2019244

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.6	17.3	25.9



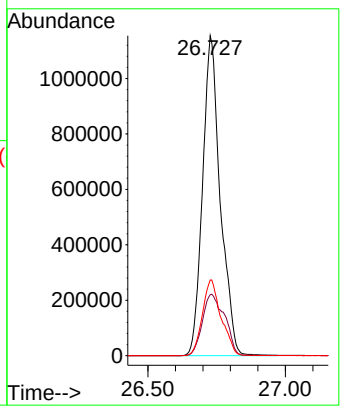


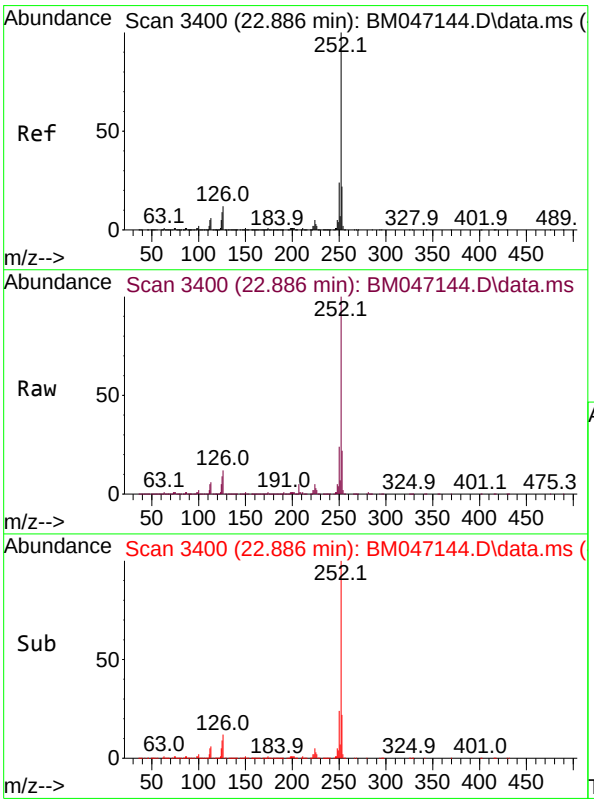
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.586 ng
RT: 26.727 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 5166805

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.4	29.0
277	25.1	20.1	30.1

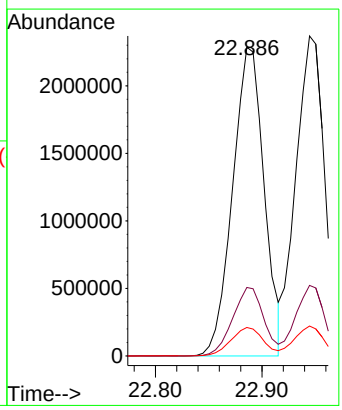


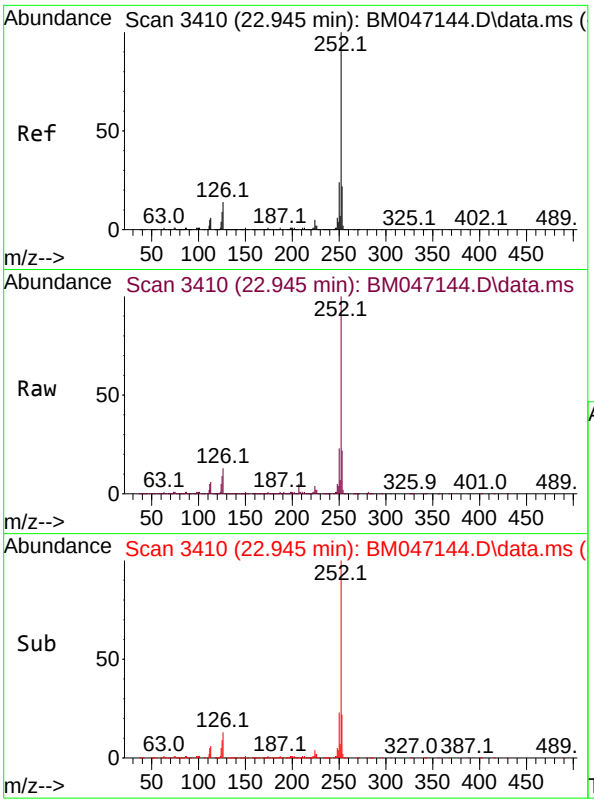


#88
Benzo(b)fluoranthene
Concen: 39.106 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:252 Resp: 4689366

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.2	7.4	11.0



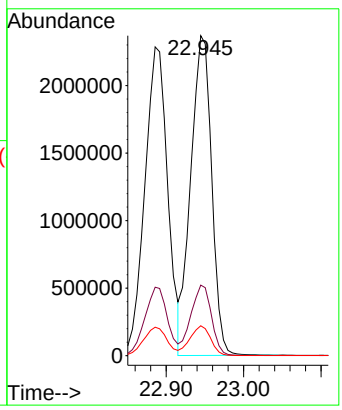


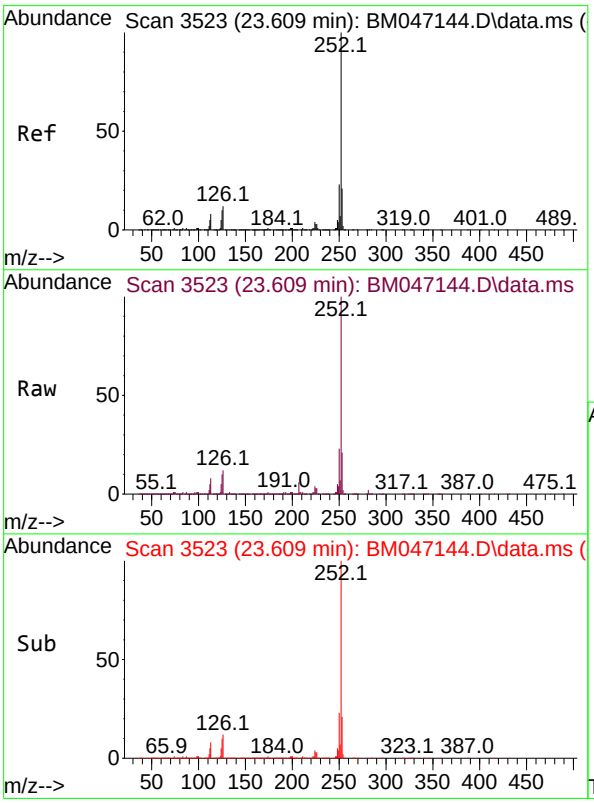
#89
Benzo(k)fluoranthene
Concen: 39.126 ng
RT: 22.945 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 4431625

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.3	7.4	11.2

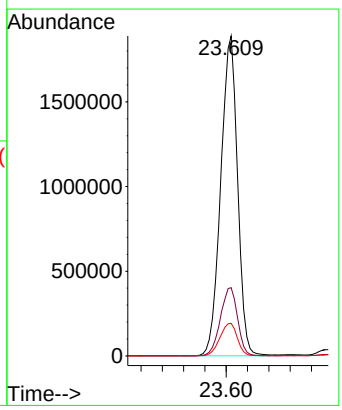


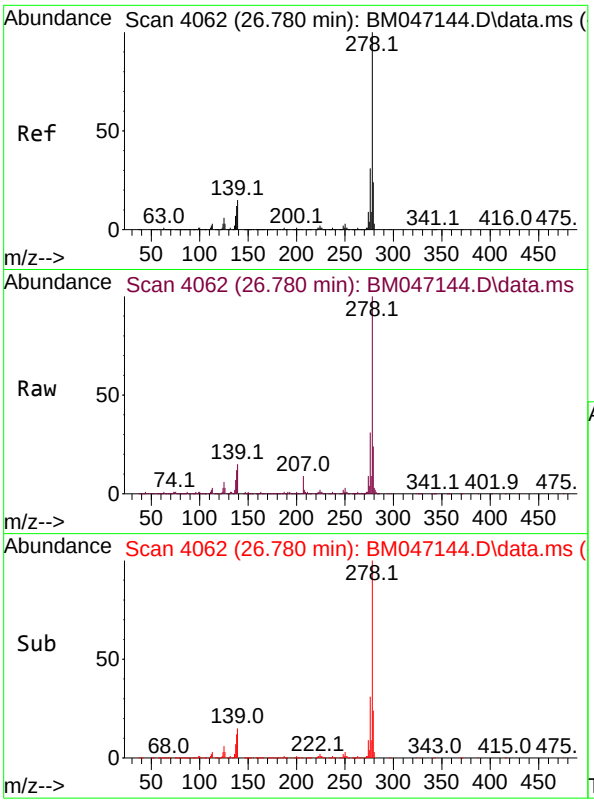


#90
Benzo(a)pyrene
Concen: 39.824 ng
RT: 23.609 min Scan# 3523
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:252 Resp: 4136829

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	10.2	8.2	12.2



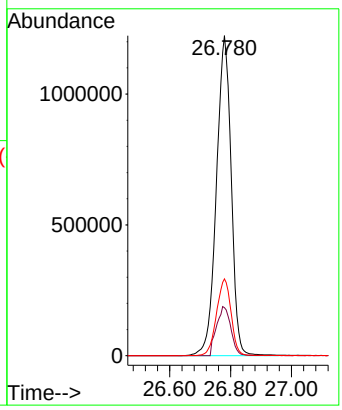


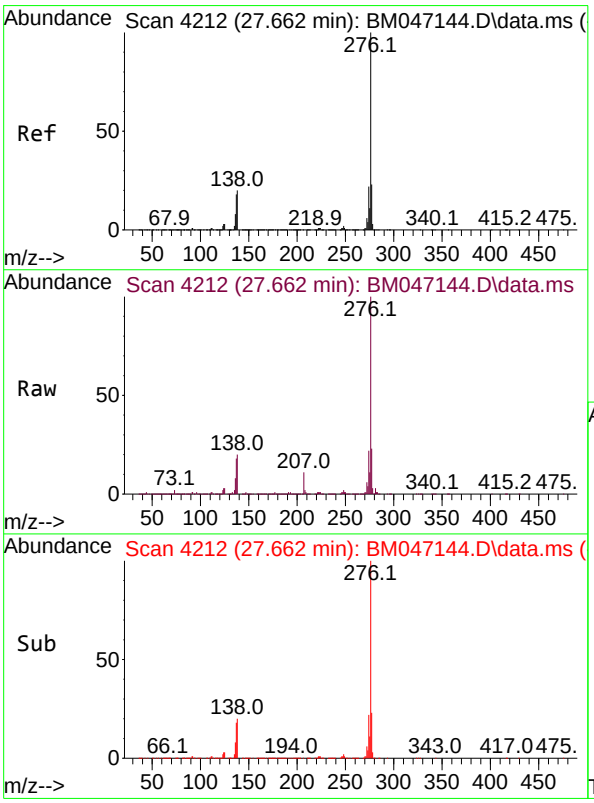
#91
Dibenzo(a,h)anthracene
Concen: 39.055 ng
RT: 26.780 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 4125251

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.0	18.0
279	24.0	19.2	28.8

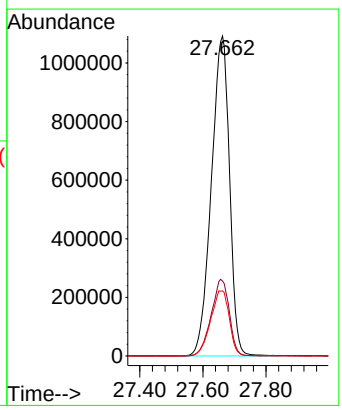




#92
Benzo(g,h,i)perylene
Concen: 39.636 ng
RT: 27.662 min Scan# 4212
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:276 Resp: 4346786

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.3	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047145.D
Acq On : 10 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Aug 11 23:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	315091	20.000	ng	0.00
21) Naphthalene-d8	10.133	136	1281047	20.000	ng	0.00
39) Acenaphthene-d10	14.033	164	834055	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1737042	20.000	ng	0.00
76) Chrysene-d12	21.033	240	1511494	20.000	ng	0.00
86) Perylene-d12	23.733	264	1841387	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1654844	93.844	ng	0.00
7) Phenol-d6	6.587	99	2315558	95.298	ng	0.00
23) Nitrobenzene-d5	8.528	82	2421031	95.162	ng	0.00
42) 2,4,6-Tribromophenol	15.545	330	952366	98.476	ng	0.00
45) 2-Fluorobiphenyl	12.645	172	5200055	96.172	ng	0.00
79) Terphenyl-d14	19.462	244	7014667	99.443	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	343225	46.976	ng	98
3) Pyridine	3.410	79	1022963m	47.780	ng	
4) n-Nitrosodimethylamine	3.328	42	444430	47.479	ng	99
6) Aniline	6.728	93	1103960	48.069	ng	99
8) 2-Chlorophenol	6.951	128	918928	47.779	ng	99
9) Benzaldehyde	6.540	77	590756	53.942	ng	98
10) Phenol	6.616	94	1142509	47.123	ng	99
11) bis(2-Chloroethyl)ether	6.828	93	997816	48.057	ng	100
12) 1,3-Dichlorobenzene	7.263	146	1098474	48.063	ng	99
13) 1,4-Dichlorobenzene	7.410	146	1107084	47.843	ng	99
14) 1,2-Dichlorobenzene	7.722	146	1030619	47.204	ng	99
15) Benzyl Alcohol	7.628	79	847663	49.018	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1272990	47.724	ng	100
17) 2-Methylphenol	7.834	107	786481	48.623	ng	99
18) Hexachloroethane	8.428	117	435333	48.568	ng	100
19) n-Nitroso-di-n-propyla...	8.192	70	759990	46.435	ng	99
20) 3+4-Methylphenols	8.163	107	1106673	48.940	ng	98
22) Acetophenone	8.198	105	1441742	46.625	ng	99
24) Nitrobenzene	8.569	77	1216089	47.470	ng	96
25) Isophorone	9.092	82	2139220	48.292	ng	100
26) 2-Nitrophenol	9.263	139	582500	51.343	ng	98
27) 2,4-Dimethylphenol	9.345	122	658437	49.545	ng	100
28) bis(2-Chloroethoxy)met...	9.575	93	1347358	48.339	ng	100
29) 2,4-Dichlorophenol	9.798	162	993725	50.395	ng	99
30) 1,2,4-Trichlorobenzene	9.998	180	1089421	48.819	ng	99
31) Naphthalene	10.180	128	3038911	47.619	ng	99
32) Benzoic acid	9.539	122	838043	53.976	ng	97
33) 4-Chloroaniline	10.310	127	1197445	48.793	ng	99
34) Hexachlorobutadiene	10.469	225	650107	49.773	ng	99
35) Caprolactam	11.127	113	344173	50.259	ng	99
36) 4-Chloro-3-methylphenol	11.457	107	1033238	49.201	ng	99
37) 2-Methylnaphthalene	11.810	142	2180425	47.987	ng	99
38) 1-Methylnaphthalene	12.033	142	2140830	47.673	ng	97
40) 1,2,4,5-Tetrachloroben...	12.186	216	1138431	50.043	ng	99
41) Hexachlorocyclopentadiene	12.163	237	415149	52.261	ng	100
43) 2,4,6-Trichlorophenol	12.445	196	821910	50.831	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047145.D
Acq On : 10 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Aug 11 23:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	909210	50.644	ng	99
46) 1,1'-Biphenyl	12.857	154	2837162	47.782	ng	99
47) 2-Chloronaphthalene	12.892	162	2210354	47.627	ng	99
48) 2-Nitroaniline	13.116	65	733636	50.459	ng	98
49) Acenaphthylene	13.751	152	3284244	48.009	ng	100
50) Dimethylphthalate	13.516	163	2800312	48.073	ng	99
51) 2,6-Dinitrotoluene	13.633	165	679884	49.929	ng	95
52) Acenaphthene	14.098	154	2067281	47.640	ng	99
53) 3-Nitroaniline	13.963	138	683158	50.067	ng	100
54) 2,4-Dinitrophenol	14.174	184	424486	52.012	ng	99
55) Dibenzofuran	14.439	168	3249834	47.413	ng	100
56) 4-Nitrophenol	14.298	139	606437	51.542	ng	96
57) 2,4-Dinitrotoluene	14.427	165	917536	50.482	ng	100
58) Fluorene	15.098	166	2690806	47.578	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	738067	50.022	ng	99
60) Diethylphthalate	14.898	149	2846430	47.851	ng	100
61) 4-Chlorophenyl-phenyle...	15.104	204	1289728	47.901	ng	98
62) 4-Nitroaniline	15.139	138	661759	49.229	ng	99
63) Azobenzene	15.398	77	2669713	47.334	ng	98
65) 4,6-Dinitro-2-methylph...	15.198	198	545293	53.617	ng	99
66) n-Nitrosodiphenylamine	15.321	169	2285297	48.302	ng	100
67) 4-Bromophenyl-phenylether	15.998	248	831353	49.667	ng	99
68) Hexachlorobenzene	16.098	284	983119	49.041	ng	99
69) Atrazine	16.292	200	662204	46.512	ng	99
70) Pentachlorophenol	16.457	266	719505	51.201	ng	98
71) Phenanthrene	16.839	178	4199256	48.170	ng	100
72) Anthracene	16.927	178	4107556	48.425	ng	100
73) Carbazole	17.209	167	4142913	47.836	ng	100
74) Di-n-butylphthalate	17.798	149	4924066	48.863	ng	100
75) Fluoranthene	18.874	202	5120629	48.293	ng	99
77) Benzidine	19.074	184	1399934	54.615	ng	100
78) Pyrene	19.239	202	5342784	49.505	ng	99
80) Butylbenzylphthalate	20.180	149	2261582	51.348	ng	97
81) Benzo(a)anthracene	21.015	228	4879819	48.632	ng	100
82) 3,3'-Dichlorobenzidine	20.956	252	1613787	51.403	ng	100
83) Chrysene	21.074	228	4586625	48.178	ng	99
84) Bis(2-ethylhexyl)phtha...	20.980	149	3143788	50.331	ng	99
85) Di-n-octyl phthalate	22.009	149	5477285	51.591	ng	99
87) Indeno(1,2,3-cd)pyrene	26.732	276	5881591	49.416	ng	100
88) Benzo(b)fluoranthene	22.891	252	5425845	49.618	ng	99
89) Benzo(k)fluoranthene	22.950	252	4875078	47.199	ng	99
90) Benzo(a)pyrene	23.609	252	4657835	49.170	ng	99
91) Dibenzo(a,h)anthracene	26.785	278	4698026	48.774	ng	100
92) Benzo(g,h,i)perylene	27.668	276	4981580	49.812	ng	99

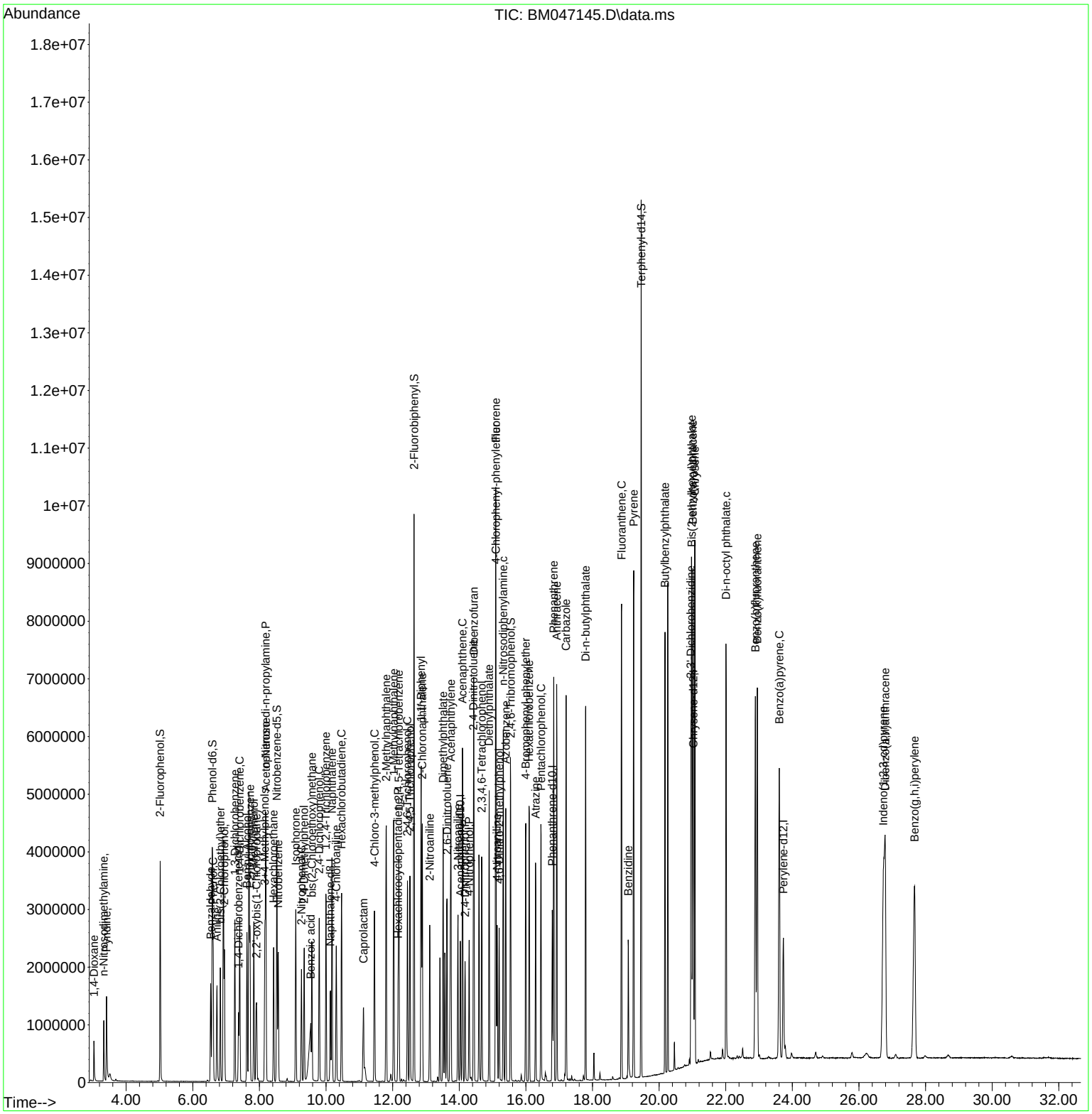
(#) = qualifier out of range (m) = manual integration (+) = signals summed

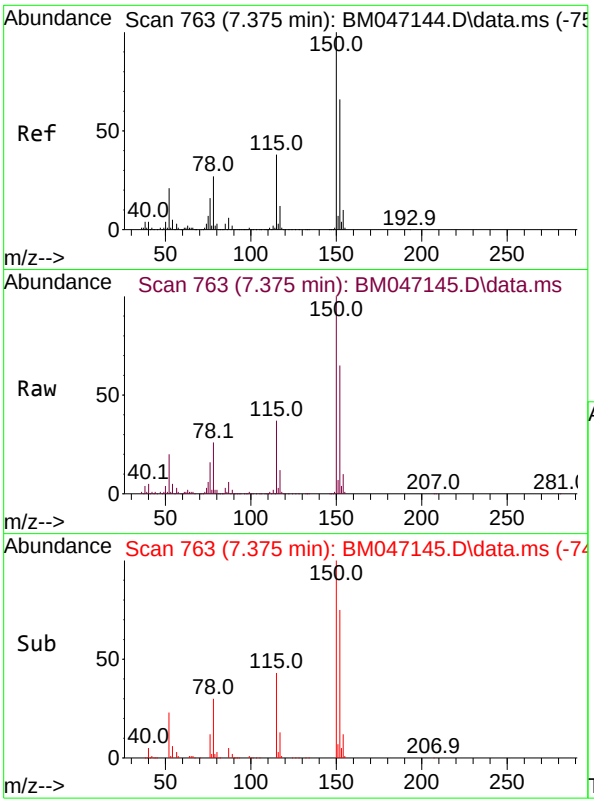
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047145.D
Acq On : 10 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Aug 11 23:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



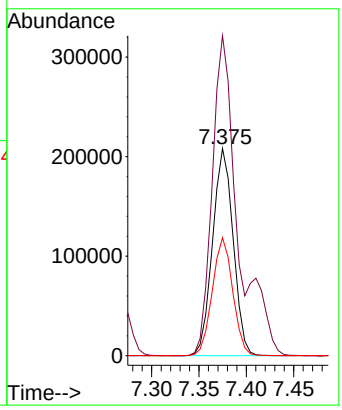


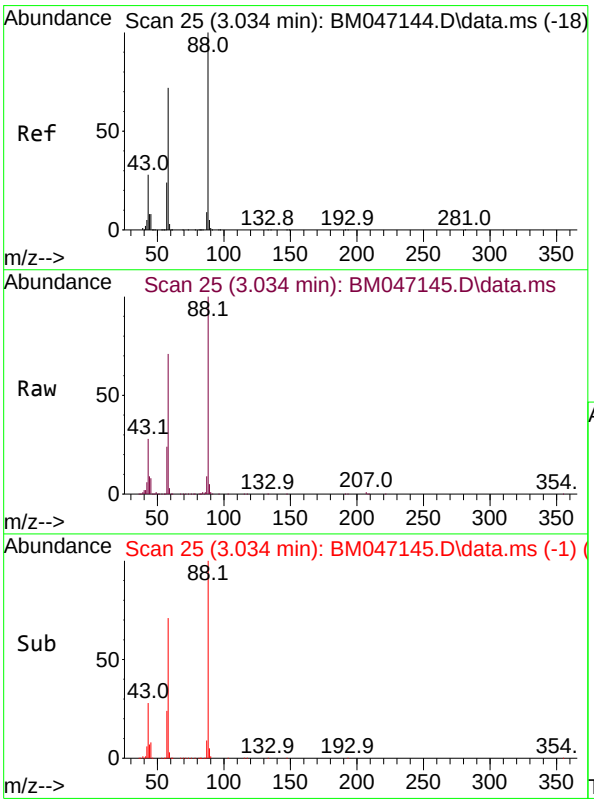
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 315091

Ion	Ratio	Lower	Upper
152	100		
150	154.4	120.5	180.7
115	56.9	45.5	68.3

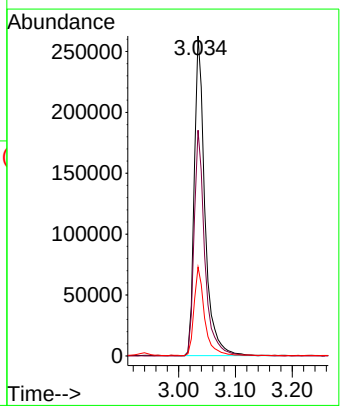


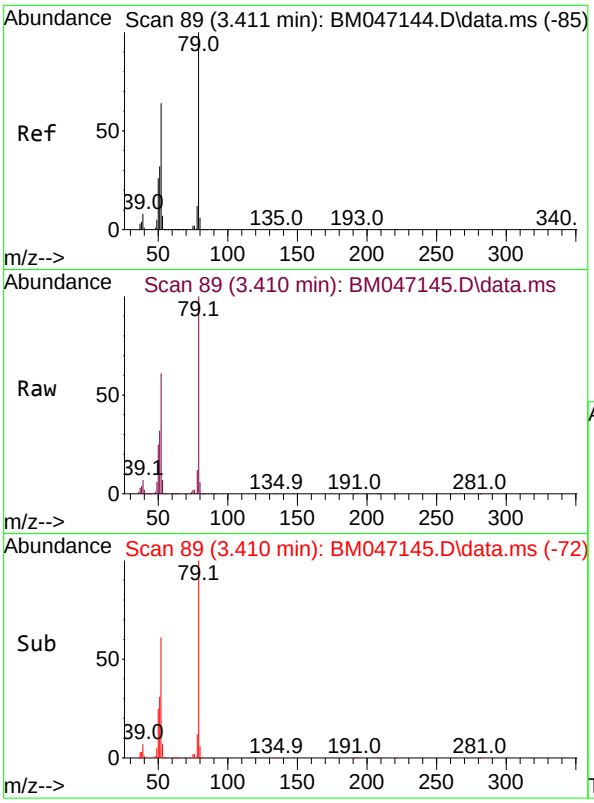


#2
1,4-Dioxane
Concen: 46.976 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 88 Resp: 343225

Ion	Ratio	Lower	Upper
88	100		
58	70.8	58.2	87.4
43	28.0	22.5	33.7



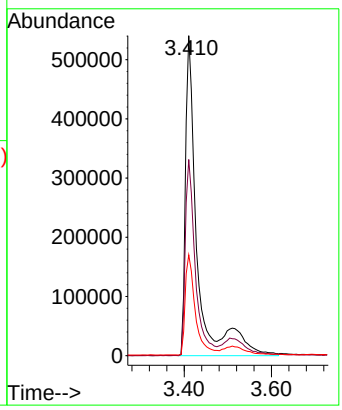


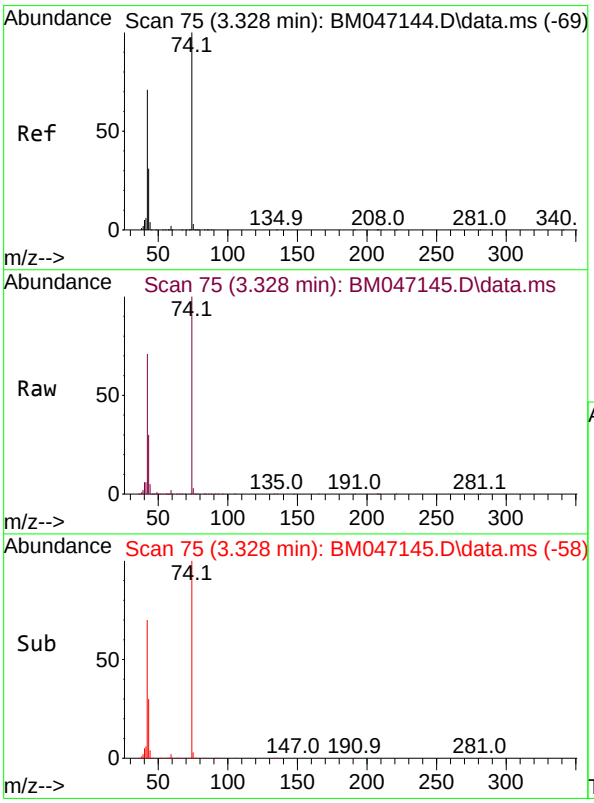
#3
Pyridine
Concen: 47.780 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1022963

Ion	Ratio	Lower	Upper
79	100		
52	61.3	51.2	76.8
51	31.5	26.1	39.1

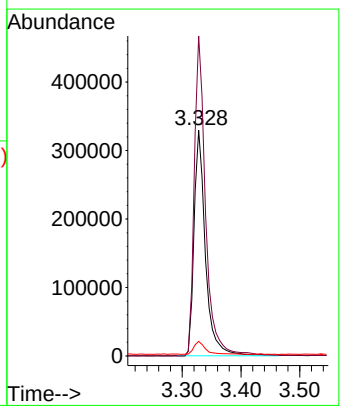


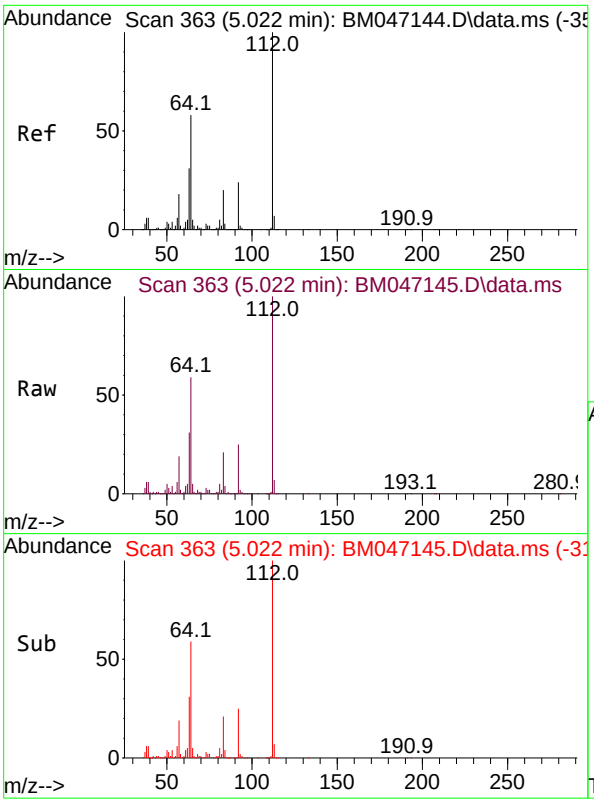


#4
n-Nitrosodimethylamine
Concen: 47.479 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 42 Resp: 444430

Ion	Ratio	Lower	Upper
42	100		
74	141.7	112.9	169.3
44	6.4	5.3	7.9



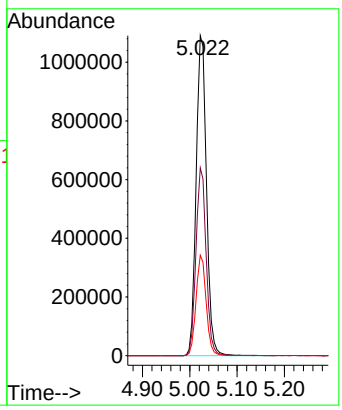


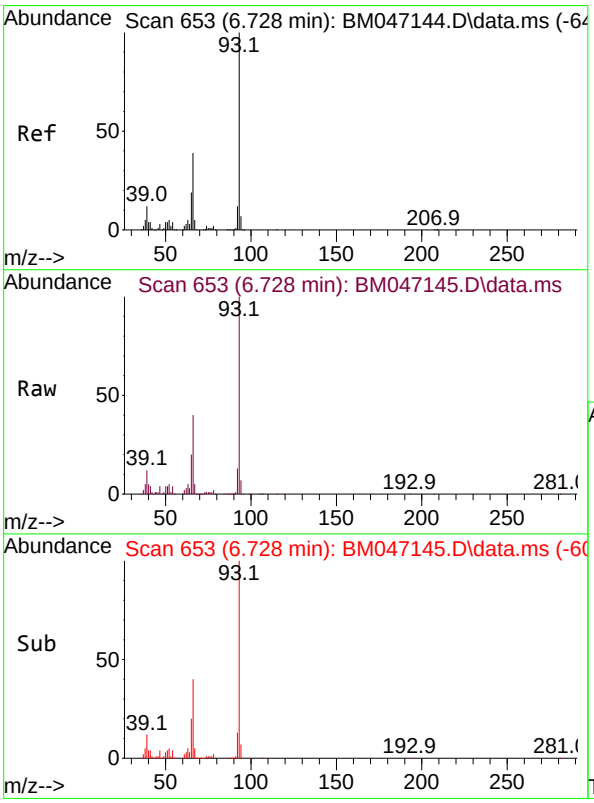
#5
2-Fluorophenol
Concen: 93.844 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1654844

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.7	70.1
63	31.4	24.8	37.2

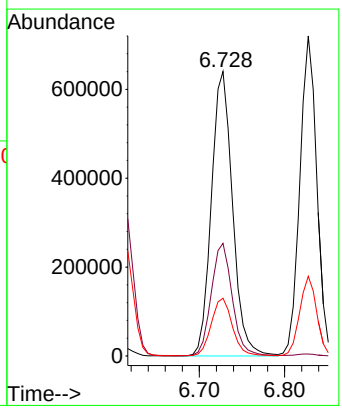


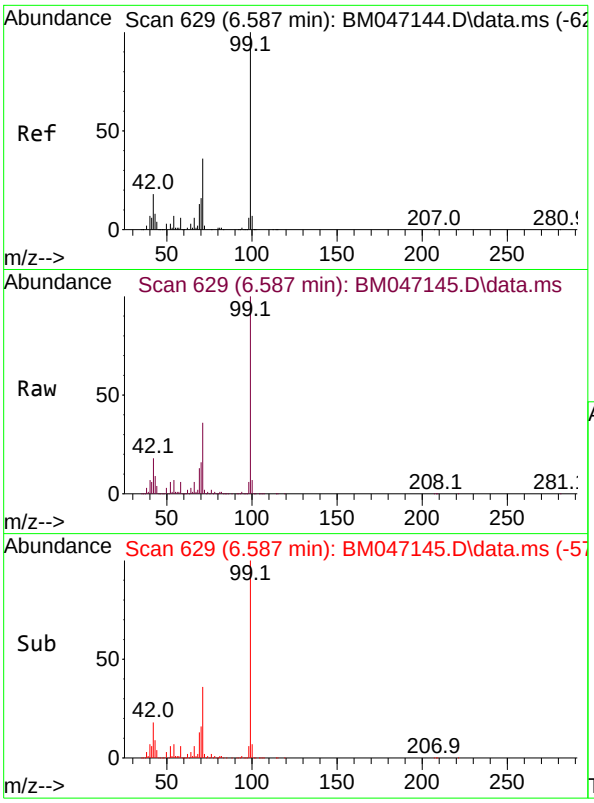


#6
Aniline
Concen: 48.069 ng
RT: 6.728 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 93 Resp: 1103960

Ion	Ratio	Lower	Upper
93	100		
66	39.6	31.4	47.2
65	20.3	15.6	23.4



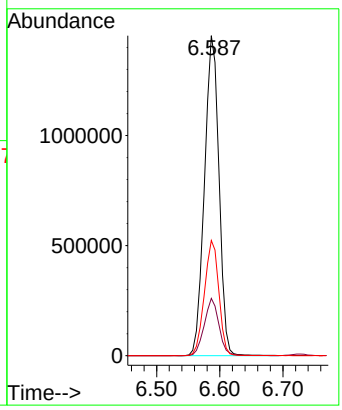


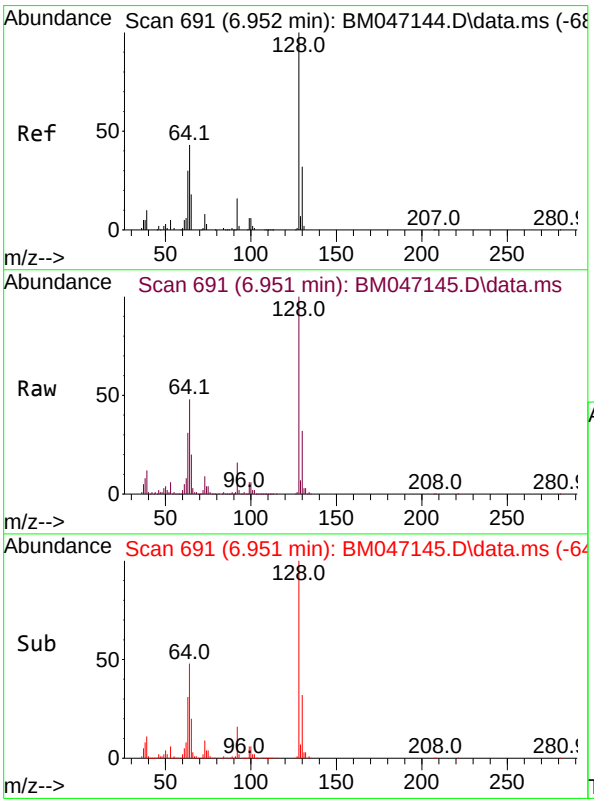
#7
Phenol-d6
Concen: 95.298 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2315558

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.1	21.1
71	36.0	28.5	42.7

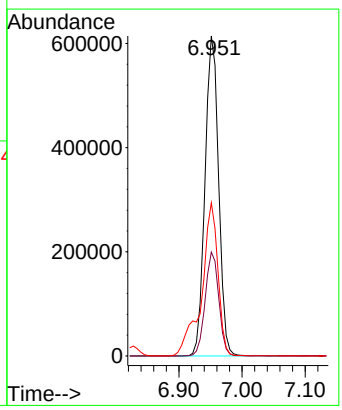


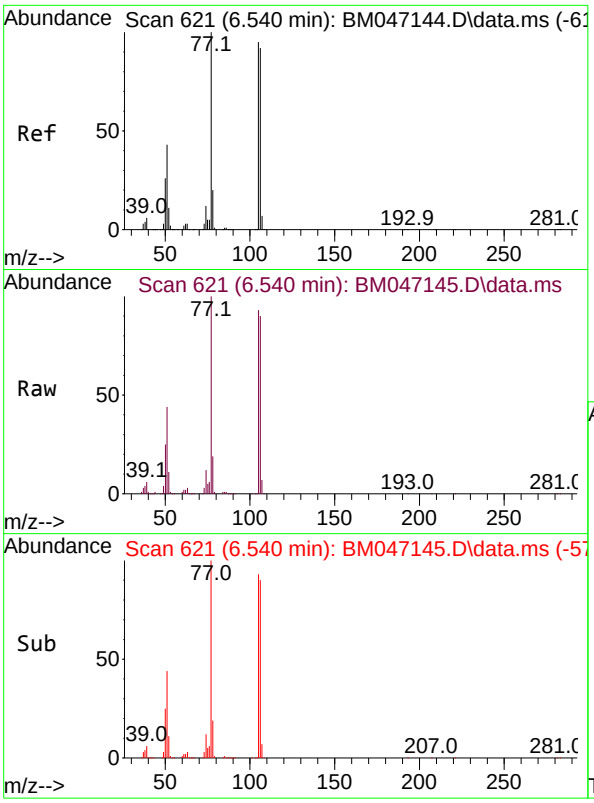


#8
2-Chlorophenol
Concen: 47.779 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:128 Resp: 918928

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.1	52.1
64	47.8	26.6	66.6



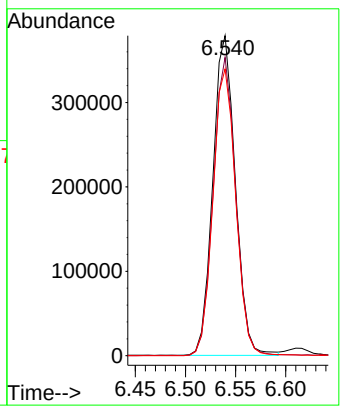


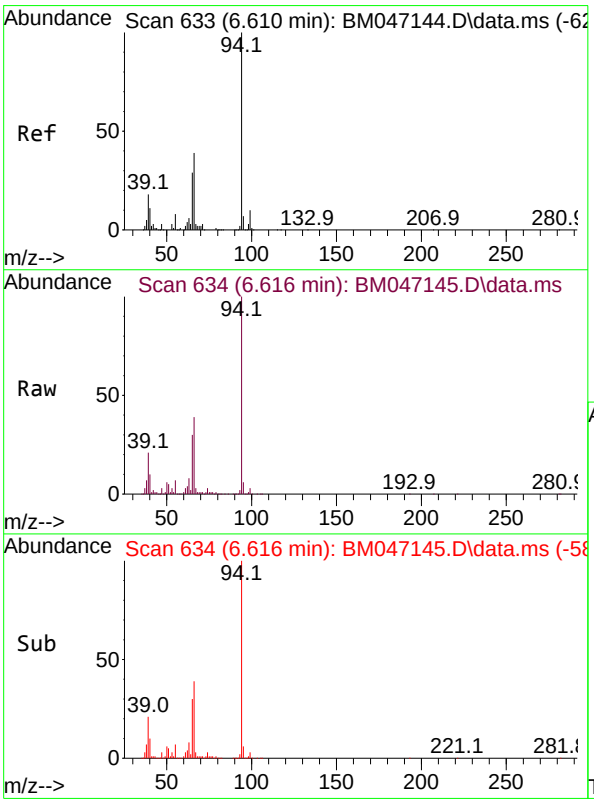
#9
Benzaldehyde
Concen: 53.942 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 590756

Ion	Ratio	Lower	Upper
77	100		
105	93.2	74.5	114.5
106	89.6	72.3	112.3

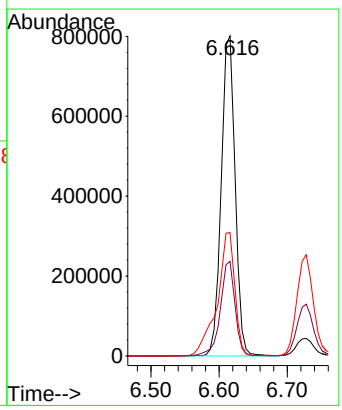


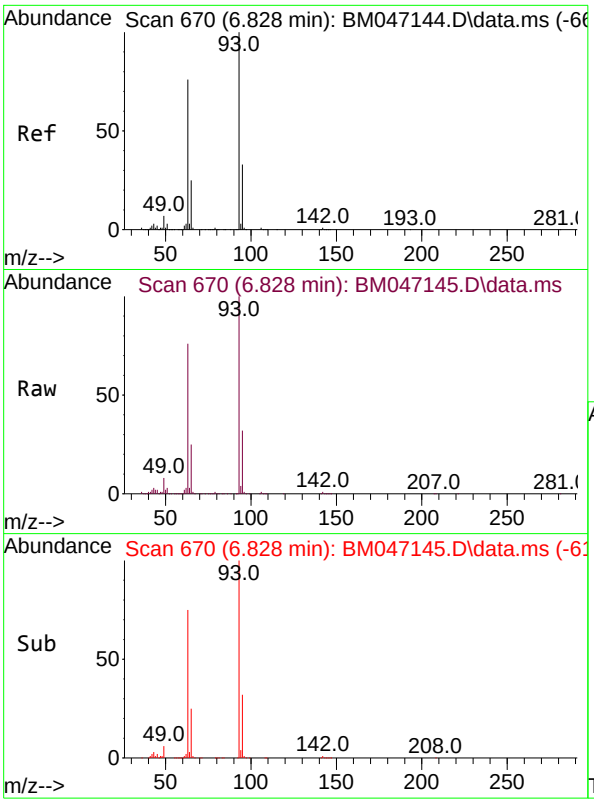


#10
Phenol
Concen: 47.123 ng
RT: 6.616 min Scan# 634
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 94 Resp: 1142509

Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.0	49.0
66	38.5	18.9	58.9



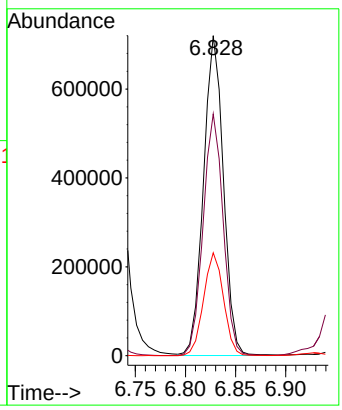


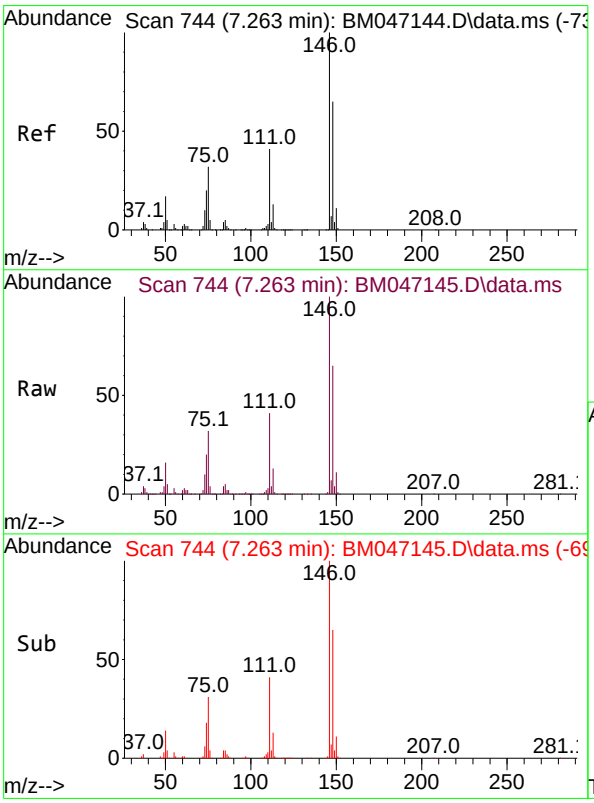
#11
bis(2-Chloroethyl)ether
Concen: 48.057 ng
RT: 6.828 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 997816

Ion	Ratio	Lower	Upper
93	100		
63	75.5	55.8	95.8
95	32.2	12.7	52.7

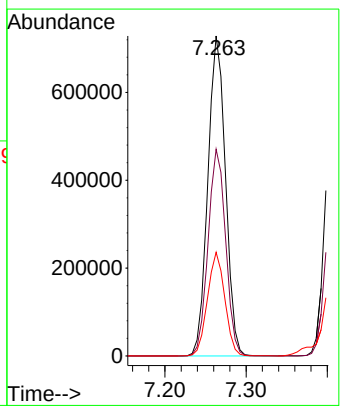


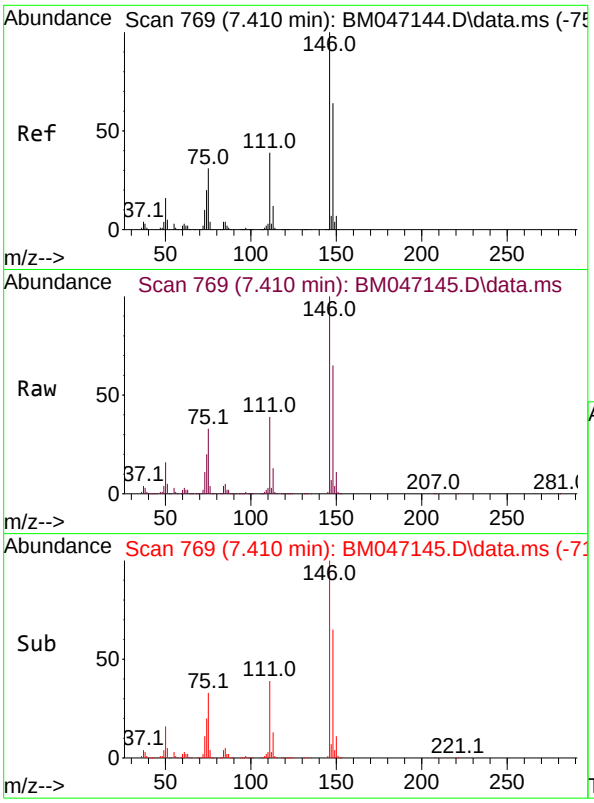


#12
1,3-Dichlorobenzene
Concen: 48.063 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:146 Resp: 1098474

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.3	78.5
75	32.4	25.8	38.6



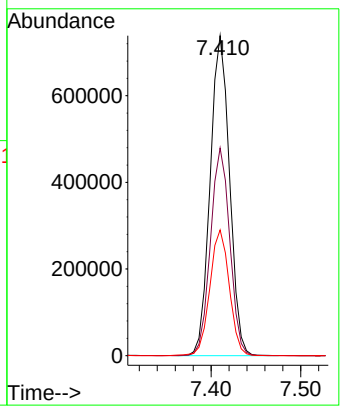


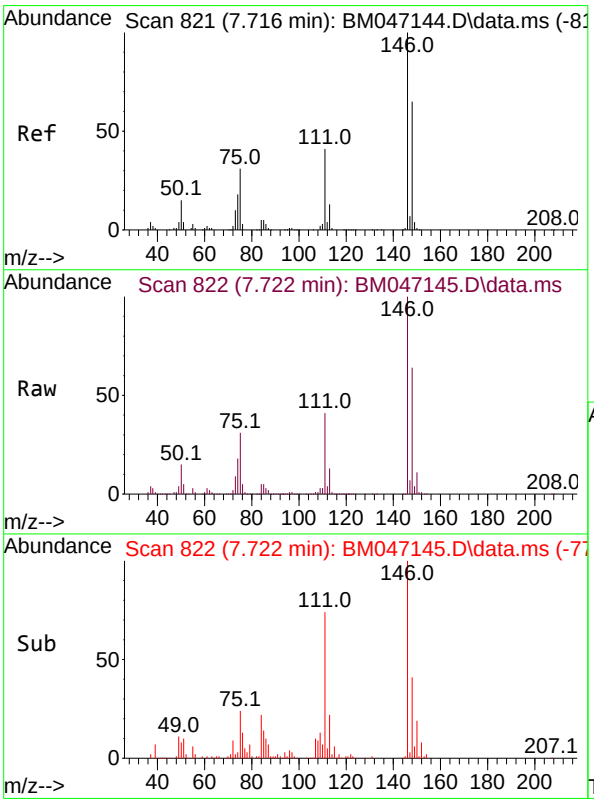
#13
1,4-Dichlorobenzene
Concen: 47.843 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1107084

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.4	77.2
111	39.3	31.5	47.3

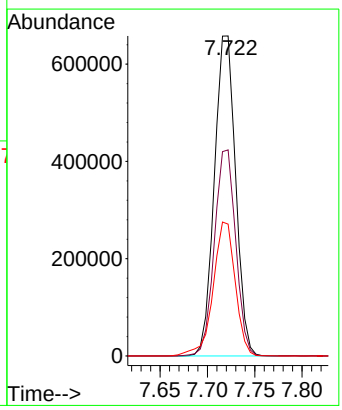


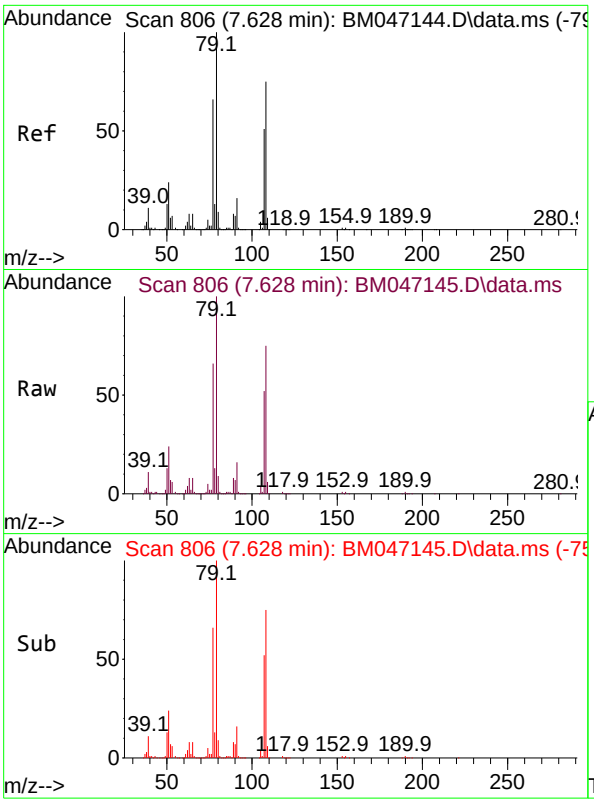


#14
1,2-Dichlorobenzene
Concen: 47.204 ng
RT: 7.722 min Scan# 822
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:146 Resp: 1030619

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
111	41.2	33.3	49.9



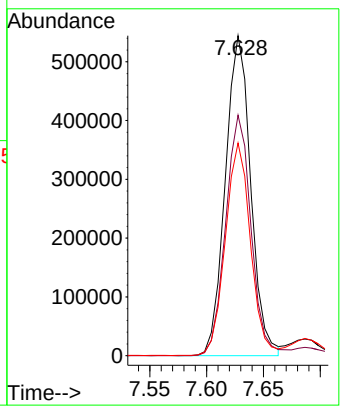


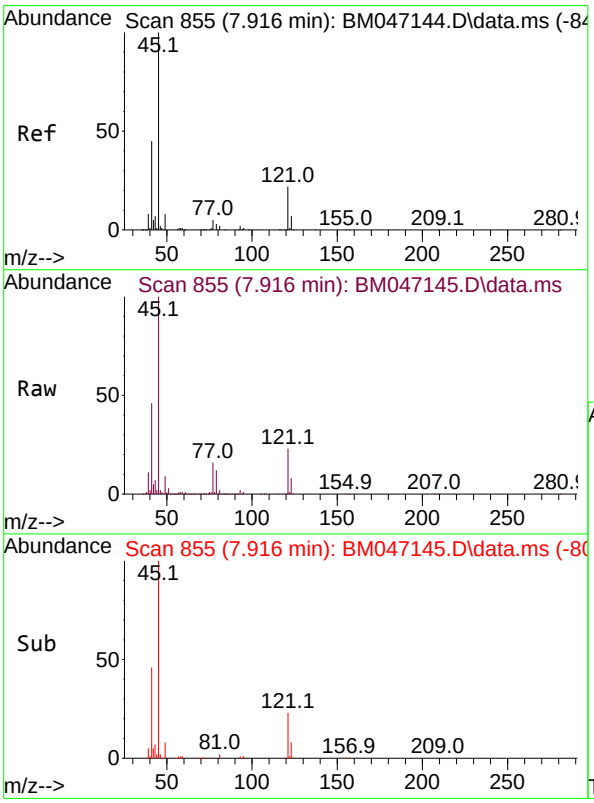
#15
Benzyl Alcohol
Concen: 49.018 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 847663

Ion	Ratio	Lower	Upper
79	100		
108	75.2	59.7	89.5
77	66.5	52.9	79.3

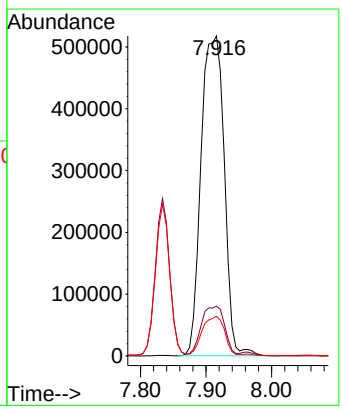


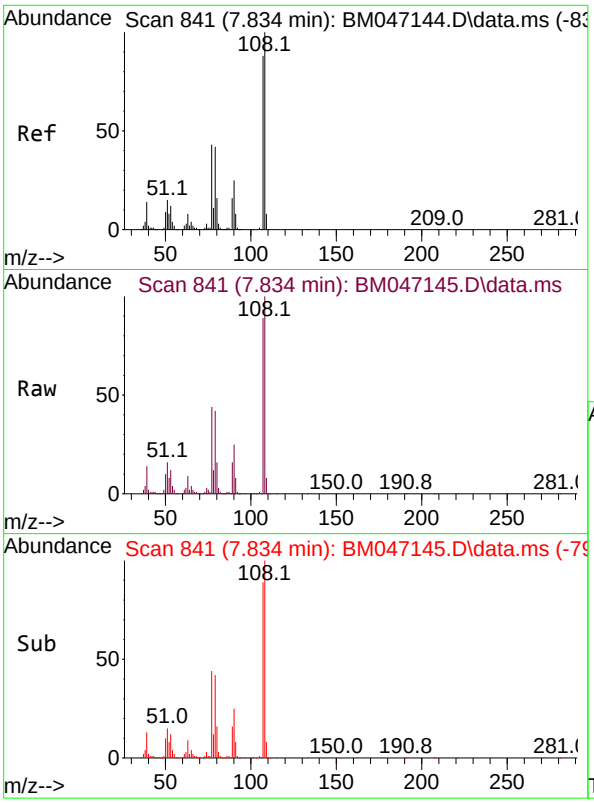


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.724 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 45 Resp: 1272990

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.6
79	12.4	0.0	32.4



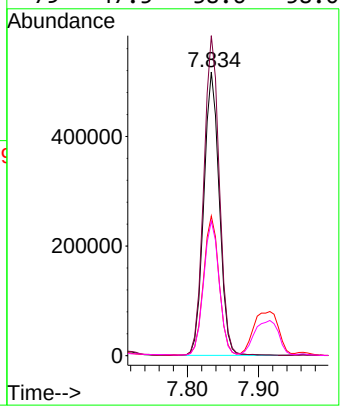


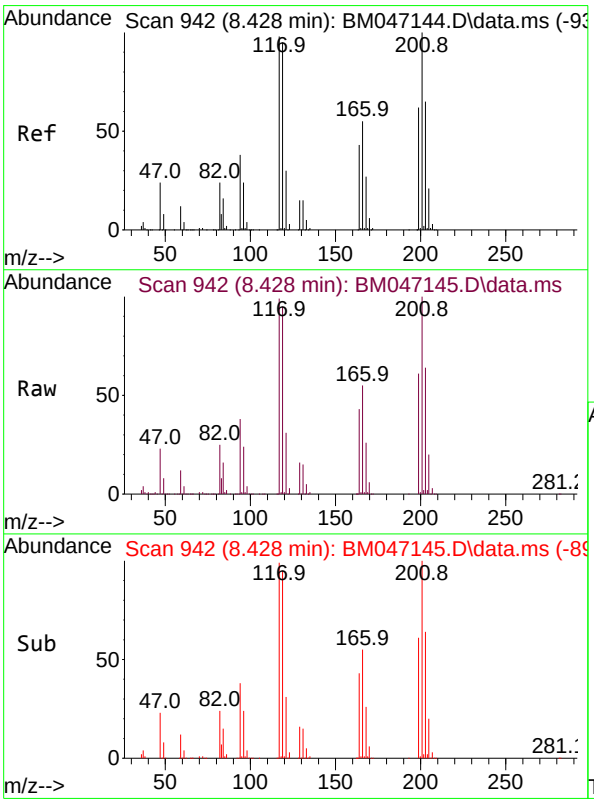
#17
2-Methylphenol
Concen: 48.623 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 786481

Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	135.8
77	49.2	39.3	58.9
79	47.5	38.6	58.0

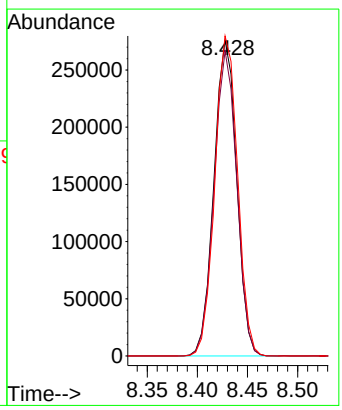


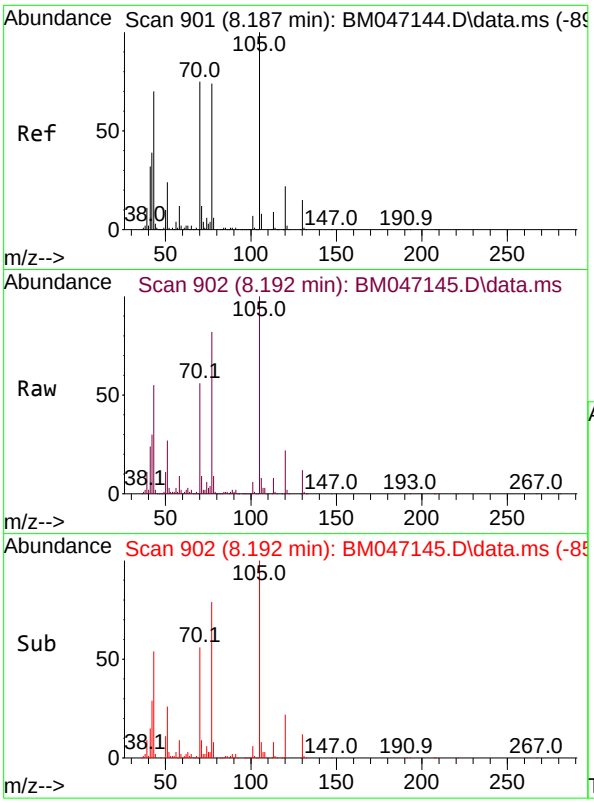


#18
Hexachloroethane
Concen: 48.568 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:117 Resp: 435333

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.0	115.4
201	101.4	81.3	121.9



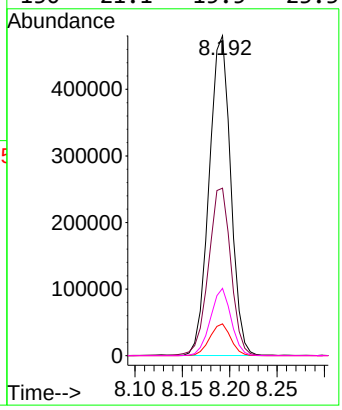


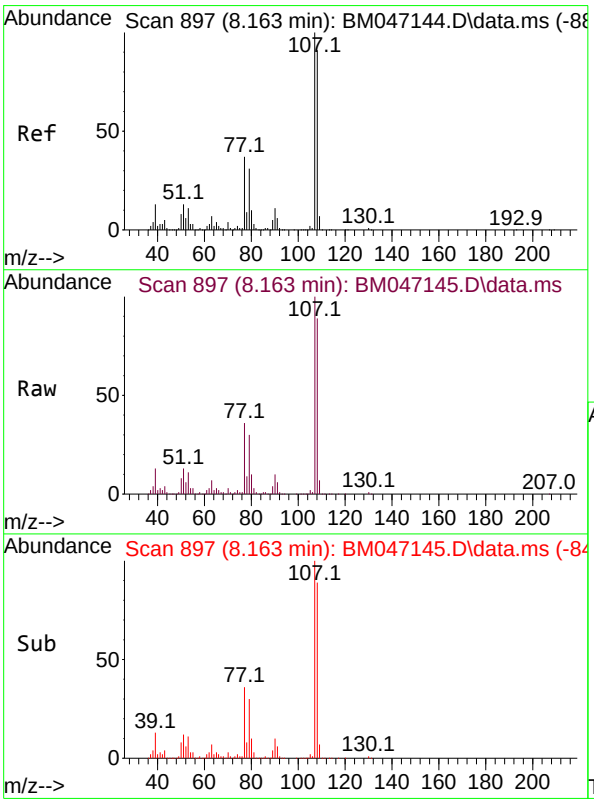
#19
n-Nitroso-di-n-propylamine
Concen: 46.435 ng
RT: 8.192 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 759990

Ion	Ratio	Lower	Upper
70	100		
42	52.4	42.0	63.0
101	10.0	7.2	10.8
130	21.1	15.5	23.3

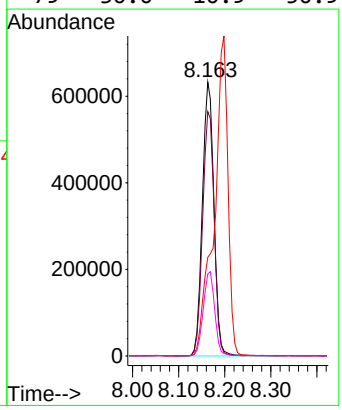


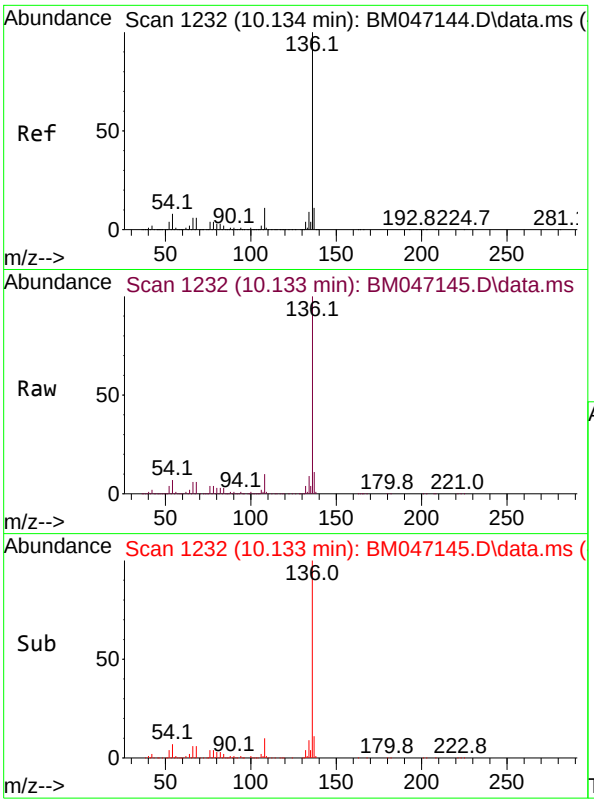


#20
3+4-Methylphenols
Concen: 48.940 ng
RT: 8.163 min Scan# 897
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:107 Resp: 1106673

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.7	110.7
77	36.0	17.4	57.4
79	30.0	10.9	50.9



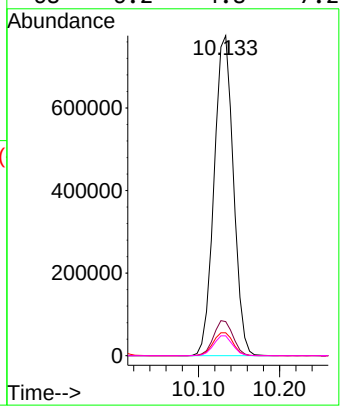


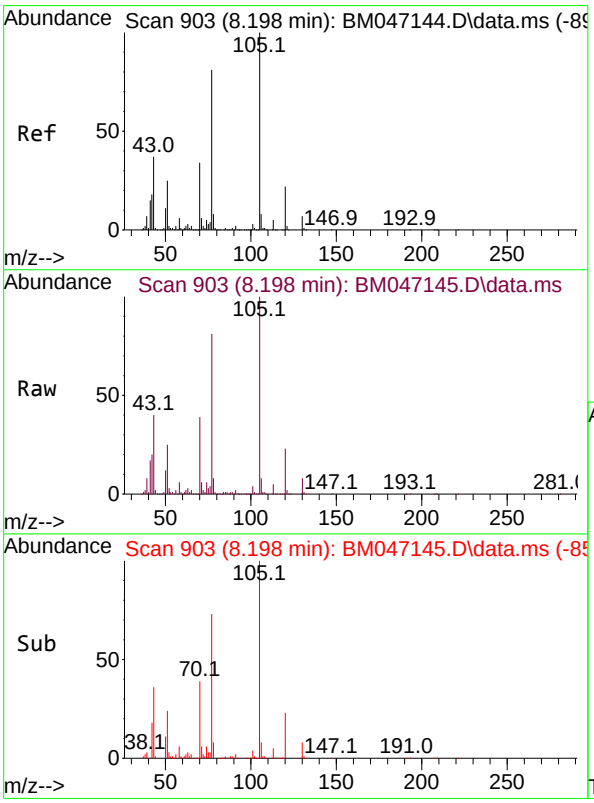
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1281047

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.2	6.0	9.0
68	6.2	4.8	7.2

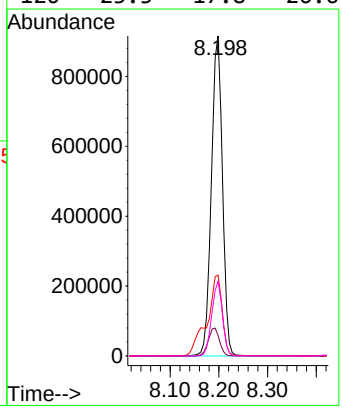


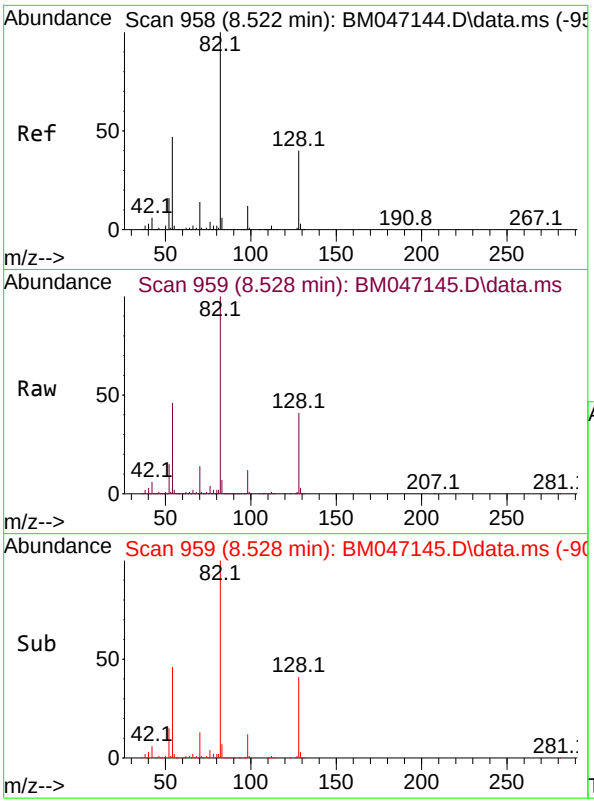


#22
Acetophenone
Concen: 46.625 ng
RT: 8.198 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:105 Resp: 1441742

Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.5	6.7
51	25.2	20.1	30.1
120	23.3	17.8	26.6



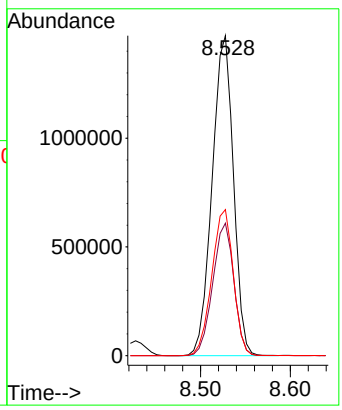


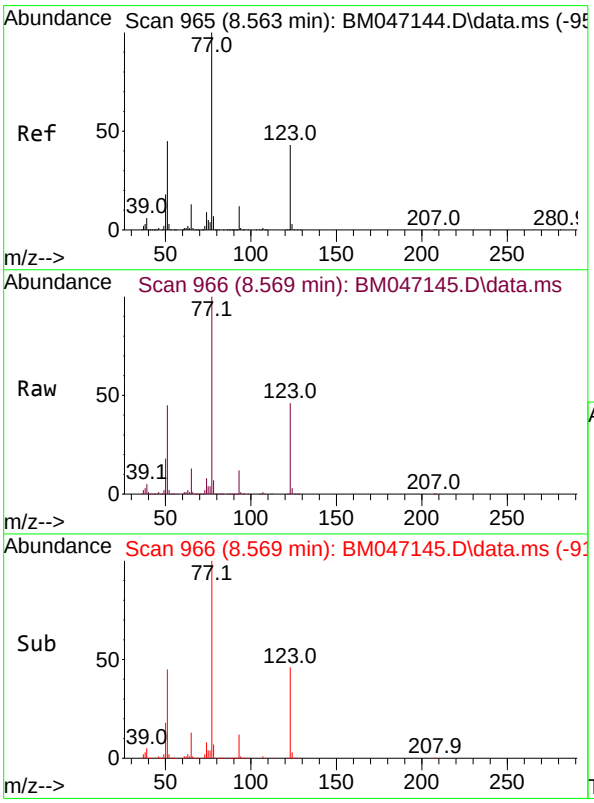
#23
Nitrobenzene-d5
Concen: 95.162 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2421031

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.3	48.5
54	45.7	37.4	56.2

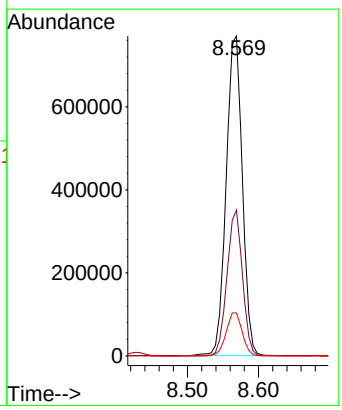


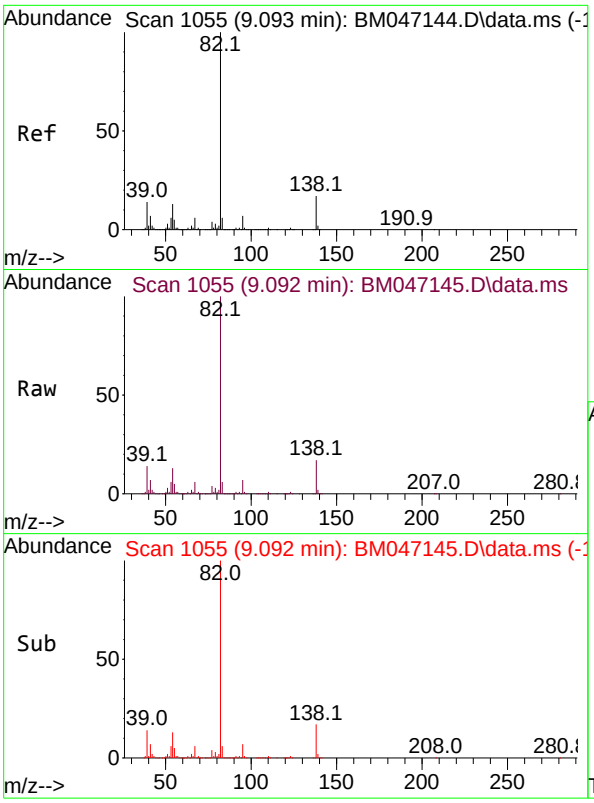


#24
Nitrobenzene
Concen: 47.470 ng
RT: 8.569 min Scan# 966
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 77 Resp: 1216089

Ion	Ratio	Lower	Upper
77	100		
123	45.6	34.0	51.0
65	13.4	10.5	15.7



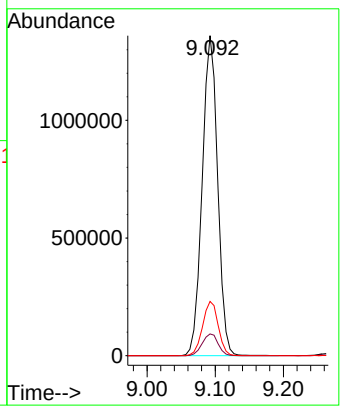


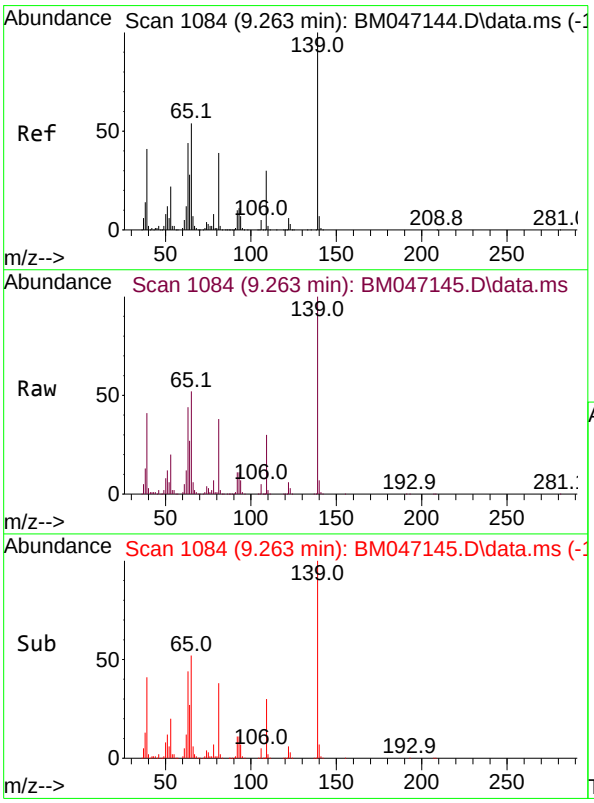
#25
Isophorone
Concen: 48.292 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2139220

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.0	13.5	20.3

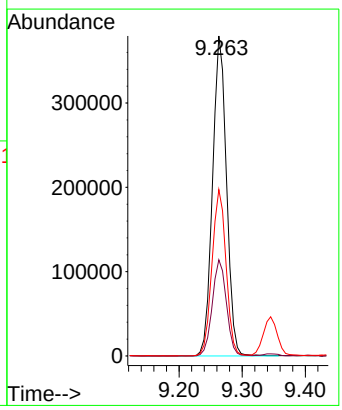


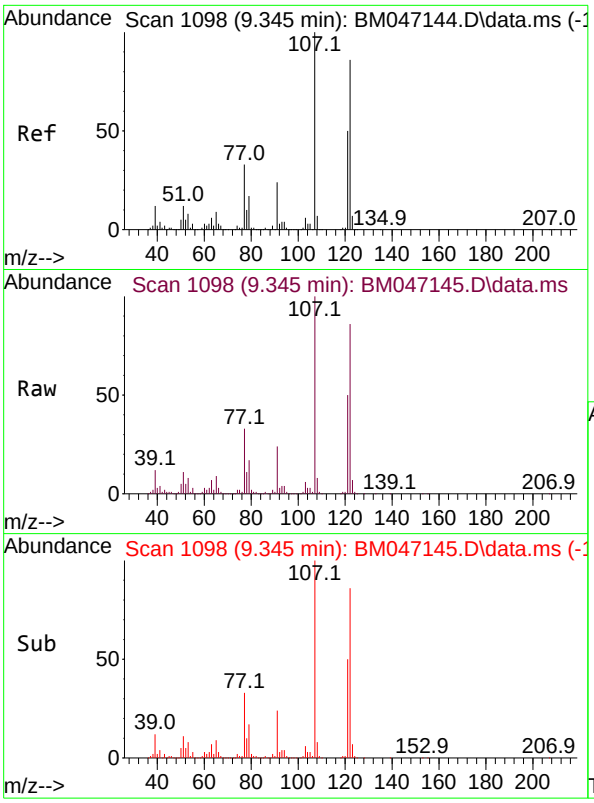


#26
2-Nitrophenol
Concen: 51.343 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:139 Resp: 582500

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.4	36.6
65	52.0	43.0	64.6



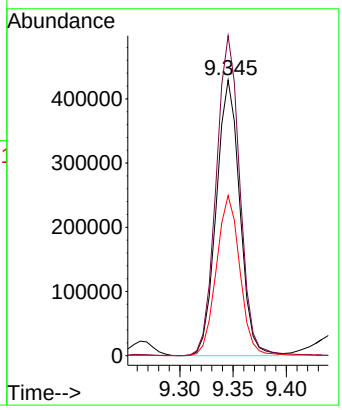


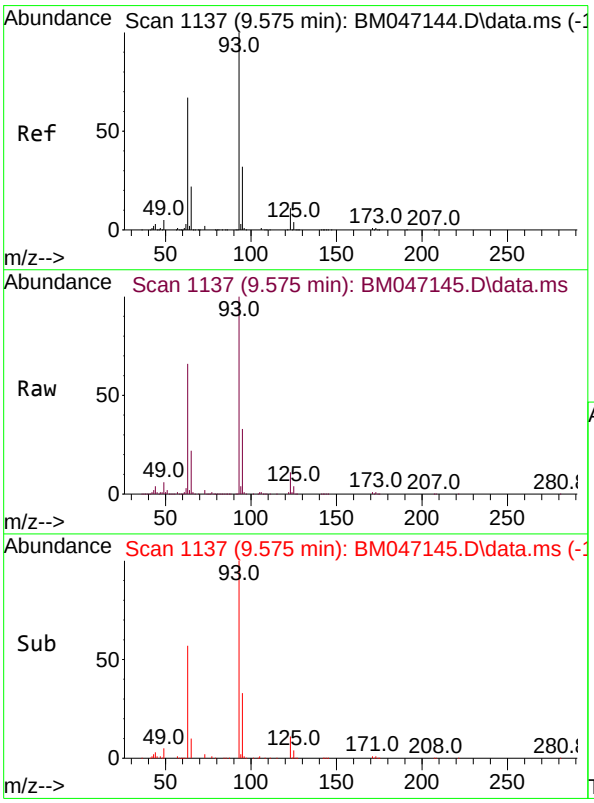
#27
2,4-Dimethylphenol
Concen: 49.545 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 658437

Ion	Ratio	Lower	Upper
122	100		
107	116.1	92.8	139.2
121	58.1	46.1	69.1

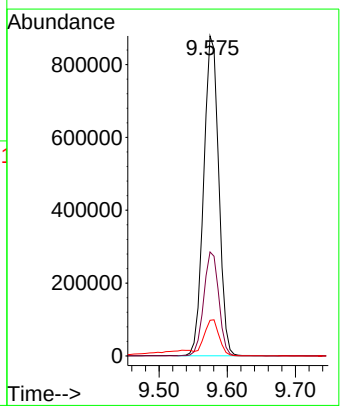


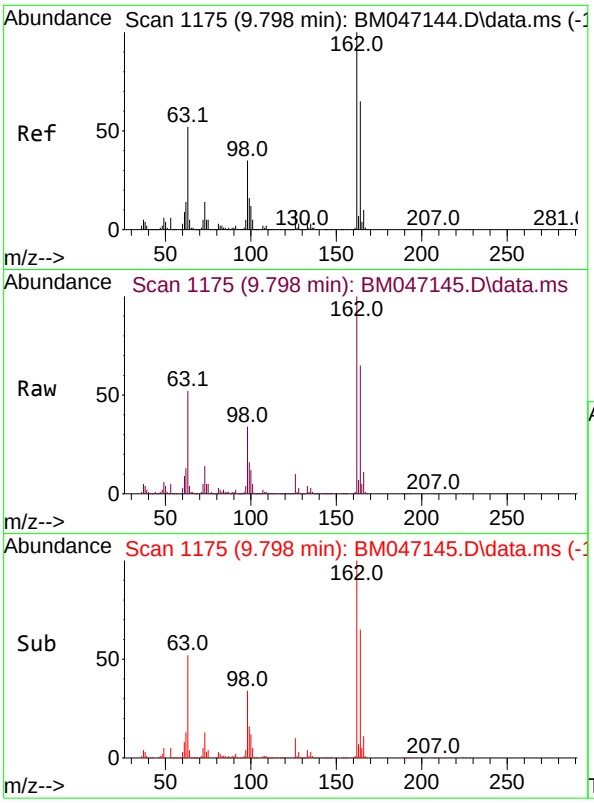


#28
bis(2-Chloroethoxy)methane
Concen: 48.339 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 93 Resp: 1347358

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.1	9.0	13.4



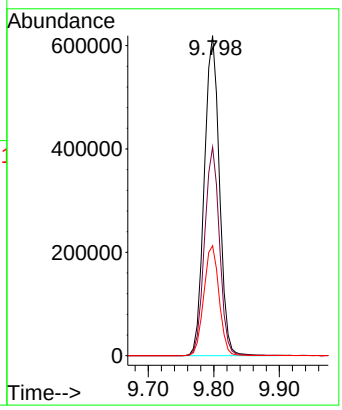


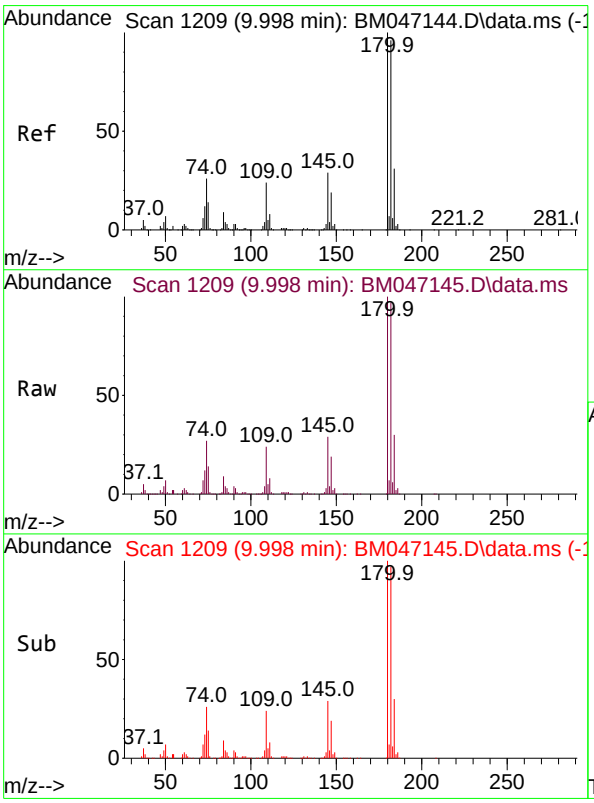
#29
2,4-Dichlorophenol
Concen: 50.395 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 993725

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.7	84.7
98	34.4	14.9	54.9

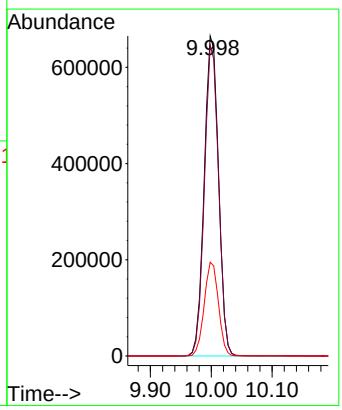


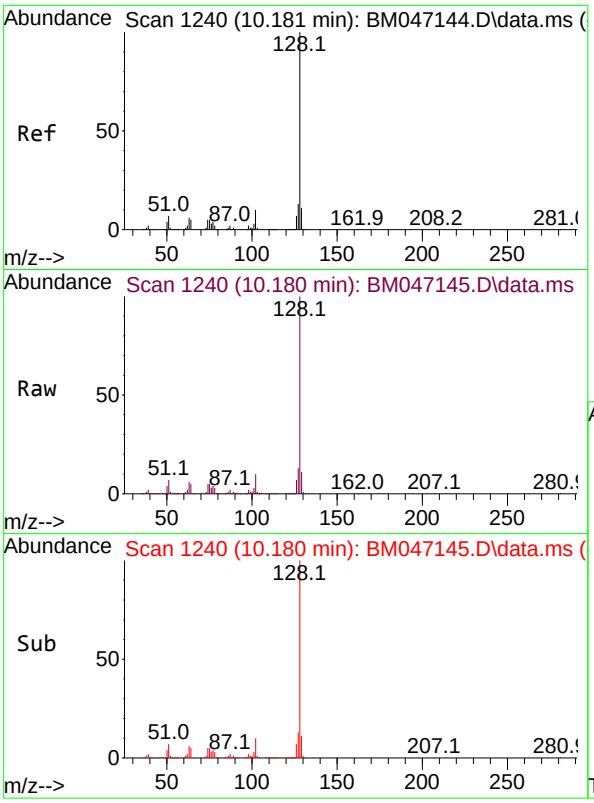


#30
1,2,4-Trichlorobenzene
Concen: 48.819 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:180 Resp: 1089421

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.6	115.0
145	29.3	23.4	35.2



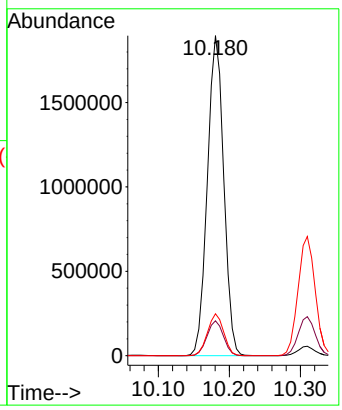


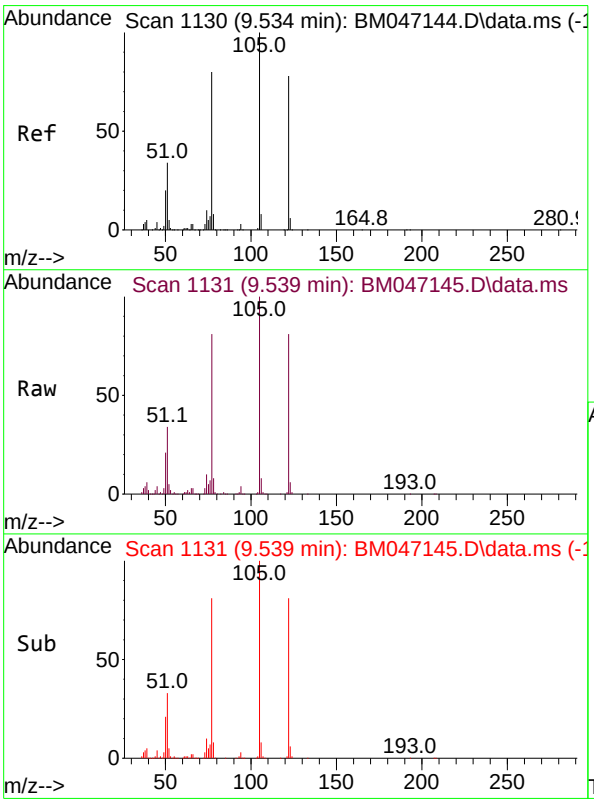
#31
Naphthalene
Concen: 47.619 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3038911

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.1	10.2	15.4

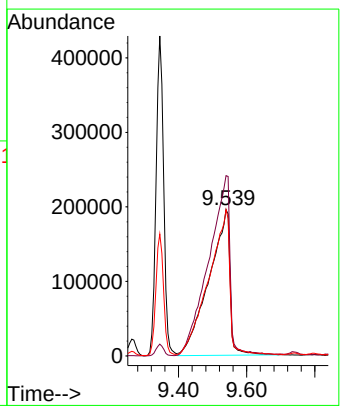


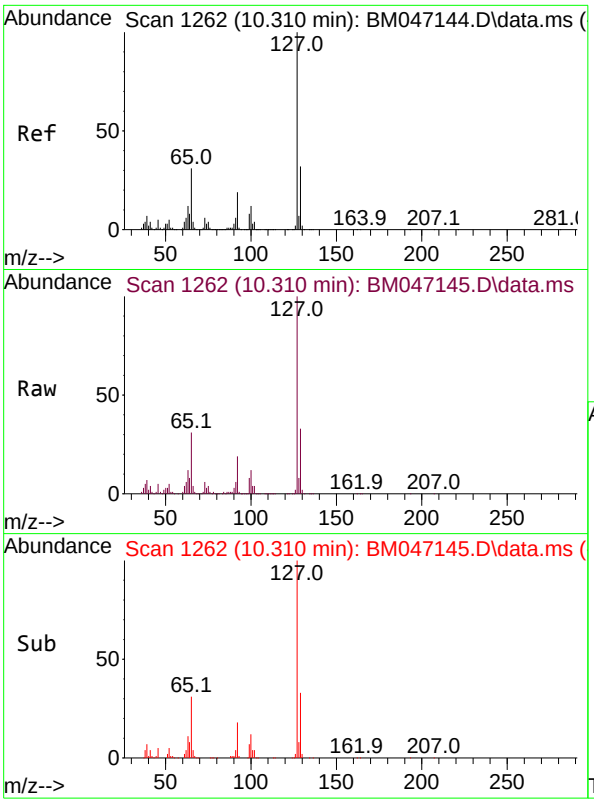


#32
Benzoic acid
Concen: 53.976 ng
RT: 9.539 min Scan# 1131
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:122 Resp: 838043

Ion	Ratio	Lower	Upper
122	100		
105	123.3	107.1	147.1
77	99.9	82.1	122.1



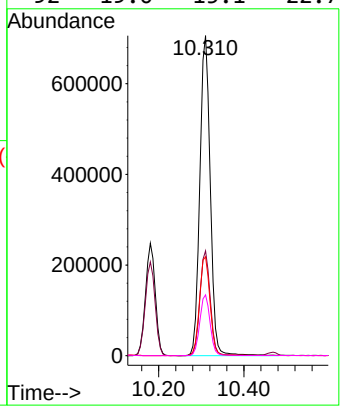


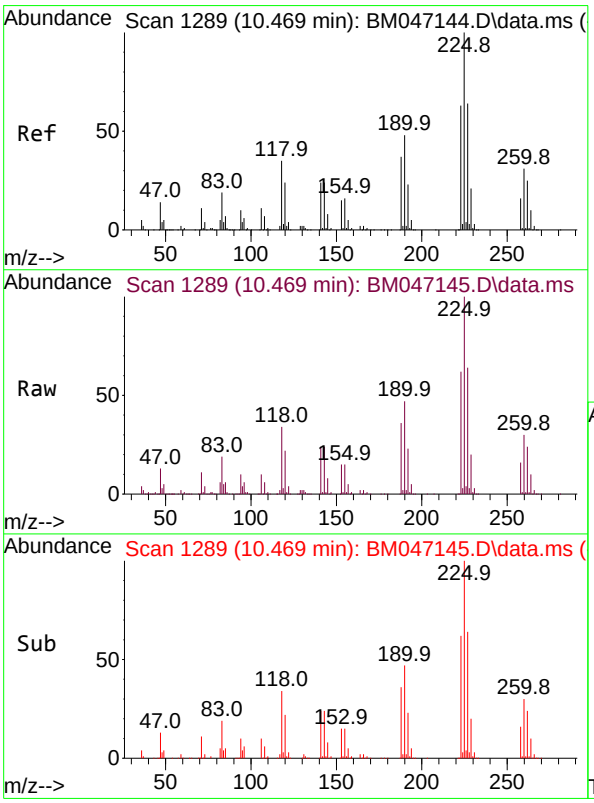
#33
4-Chloroaniline
Concen: 48.793 ng
RT: 10.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1197445

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.8	38.8
65	30.9	24.9	37.3
92	19.0	15.1	22.7

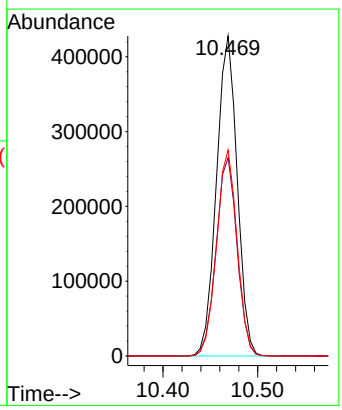


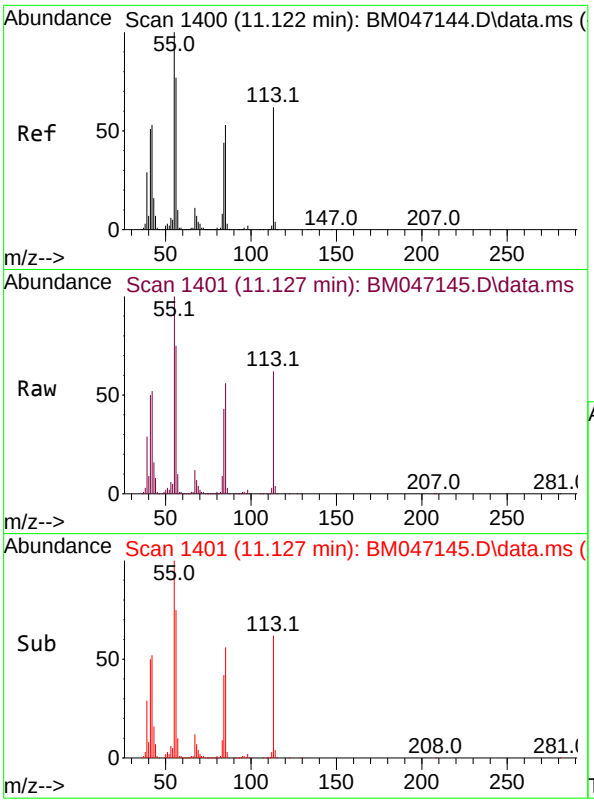


#34
Hexachlorobutadiene
Concen: 49.773 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:225 Resp: 650107

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.2	75.2
227	64.4	51.4	77.0



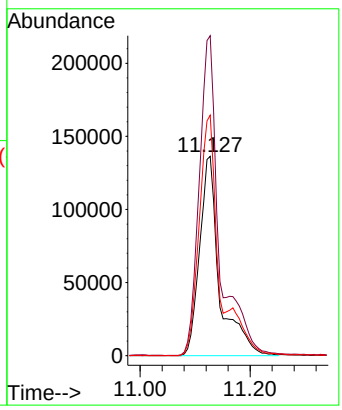


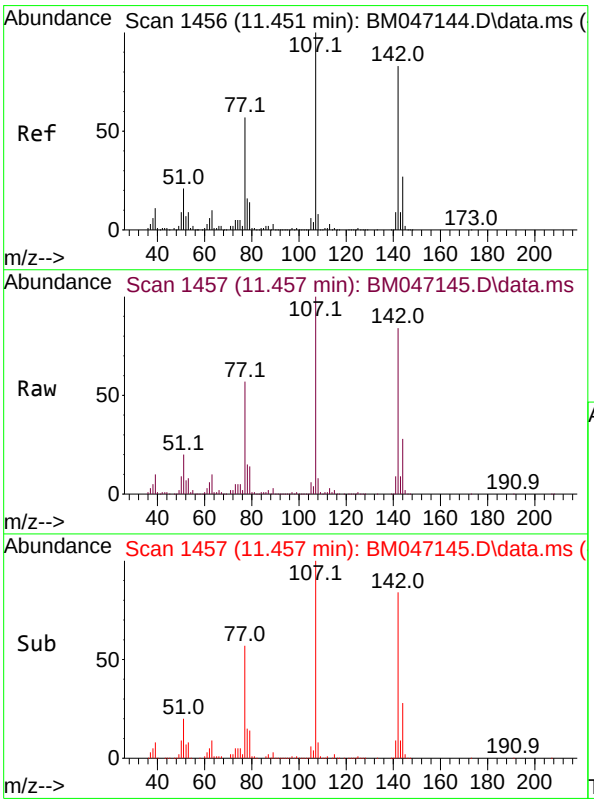
#35
Caprolactam
Concen: 50.259 ng
RT: 11.127 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 344173

Ion	Ratio	Lower	Upper
113	100		
55	160.6	140.5	180.5
56	120.7	103.6	143.6

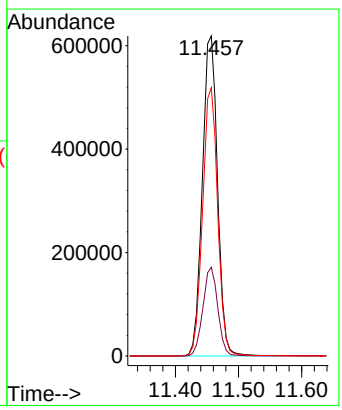


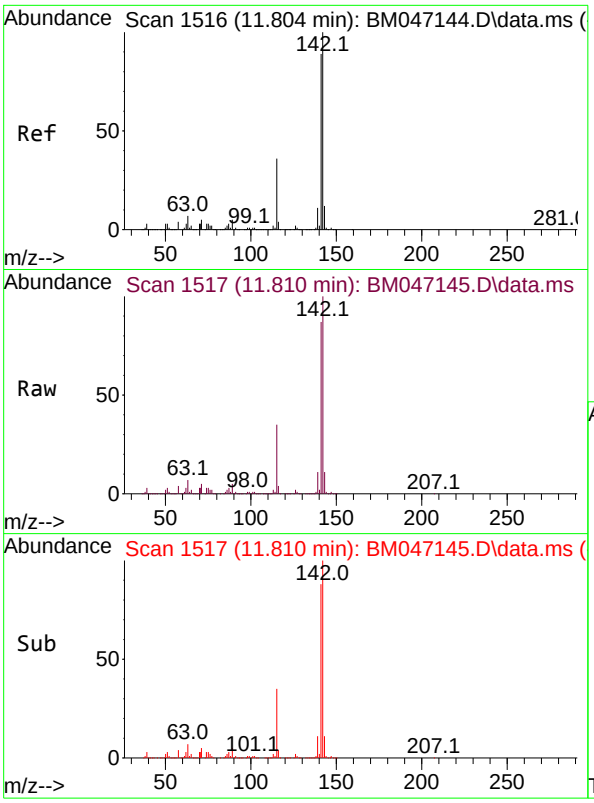


#36
4-Chloro-3-methylphenol
Concen: 49.201 ng
RT: 11.457 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:107 Resp: 1033238

Ion	Ratio	Lower	Upper
107	100		
144	27.8	21.8	32.6
142	83.9	66.8	100.2



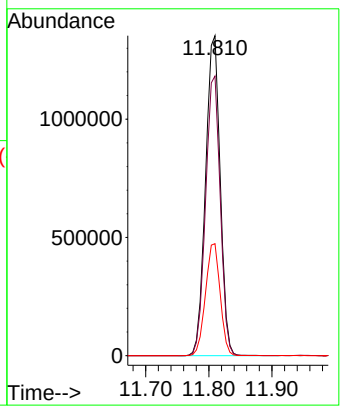


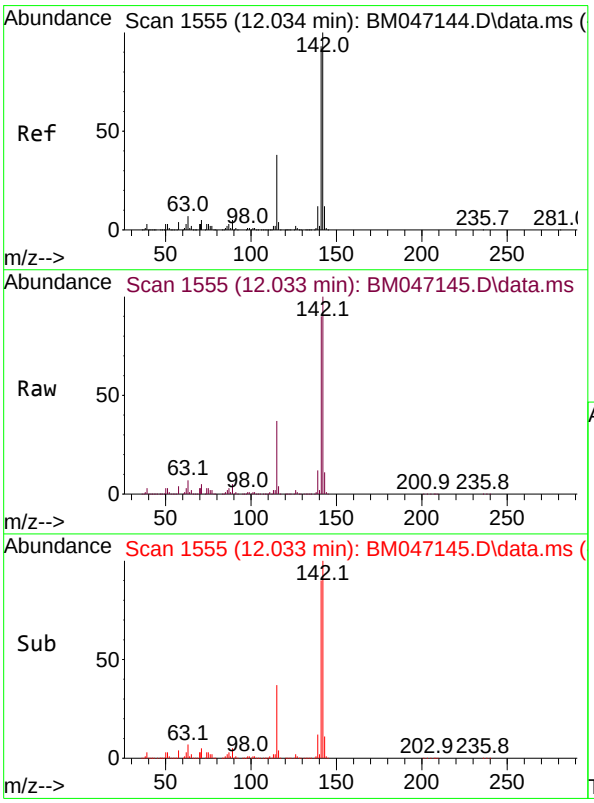
#37
2-Methylnaphthalene
Concen: 47.987 ng
RT: 11.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2180425

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.9	106.3
115	35.0	28.7	43.1

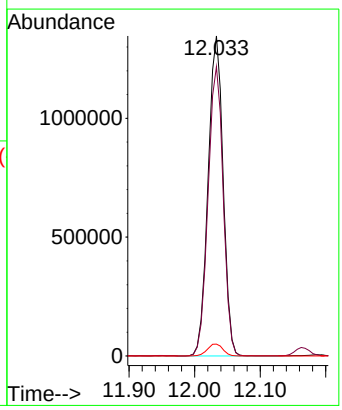


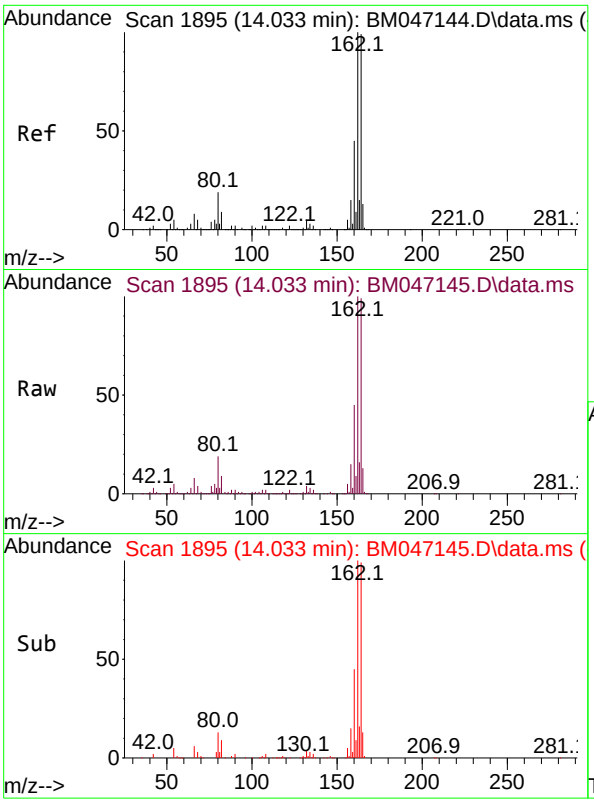


#38
1-Methylnaphthalene
Concen: 47.673 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:142 Resp: 2140830

Ion	Ratio	Lower	Upper
142	100		
141	90.4	74.6	111.8
116	3.7	3.1	4.7



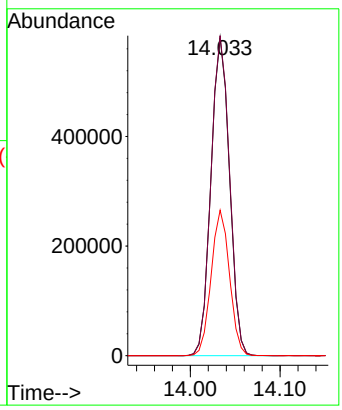


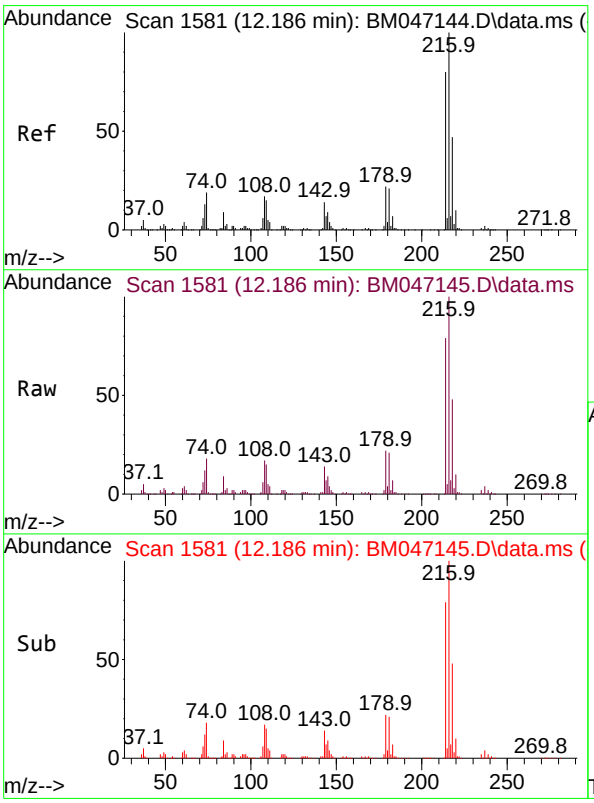
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 834055

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.7	121.1
160	45.7	36.0	54.0

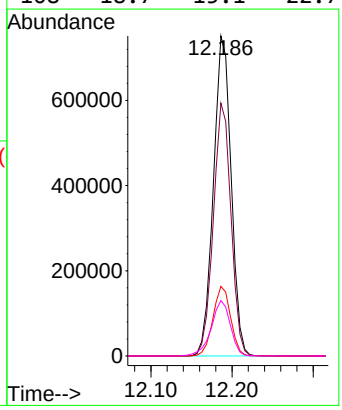


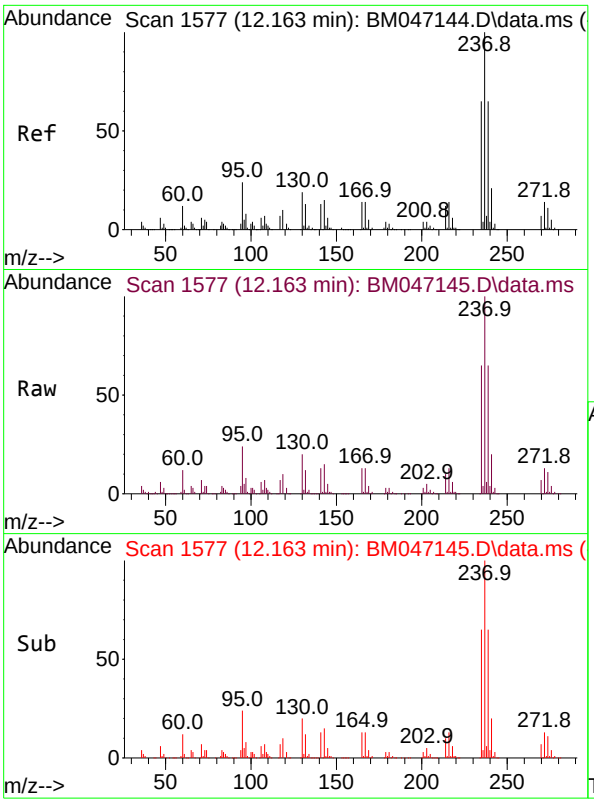


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.043 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:216 Resp: 1138431

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	21.7	17.6	26.4
108	18.7	15.1	22.7



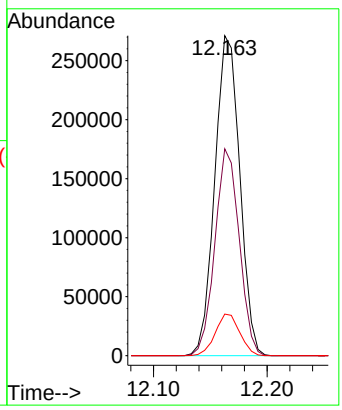


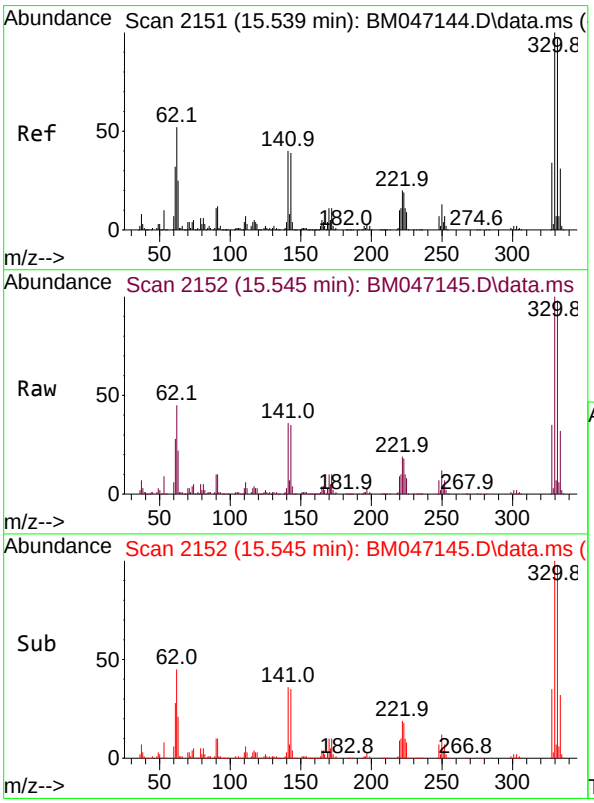
#41
Hexachlorocyclopentadiene
Concen: 52.261 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 415149

Ion	Ratio	Lower	Upper
237	100		
235	64.7	44.8	84.8
272	13.0	0.0	33.5

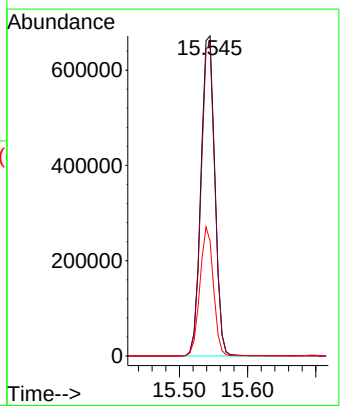


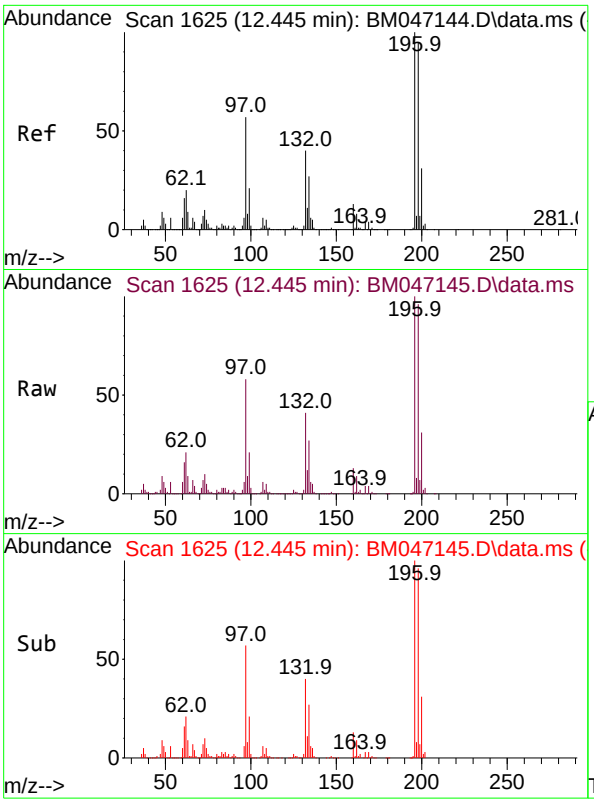


#42
2,4,6-Tribromophenol
Concen: 98.476 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:330 Resp: 952366

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	39.2	31.6	47.4



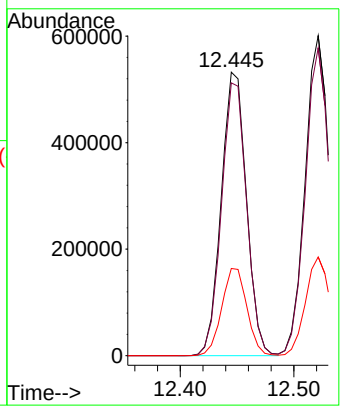


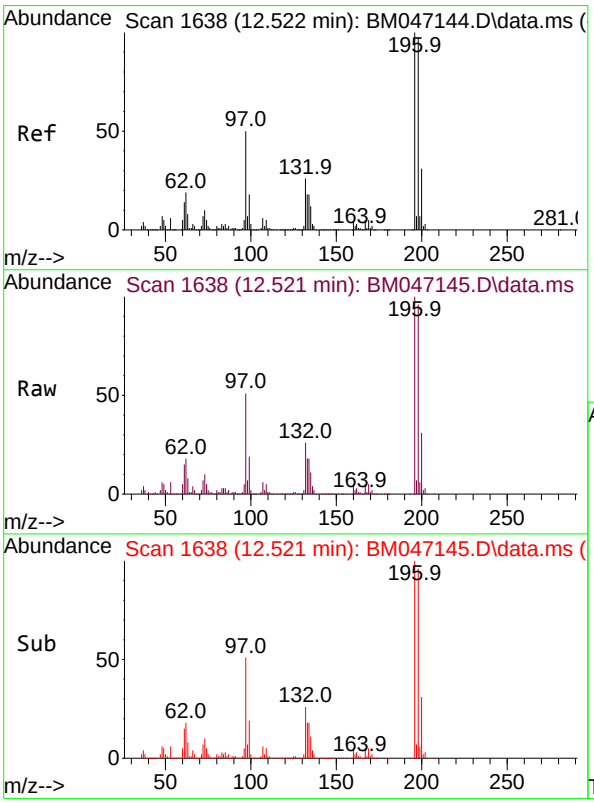
#43
2,4,6-Trichlorophenol
Concen: 50.831 ng
RT: 12.445 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 821910

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.6	113.4
200	30.7	24.6	37.0

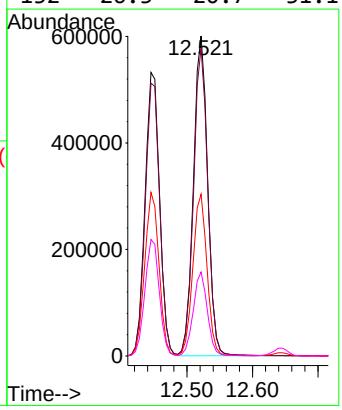


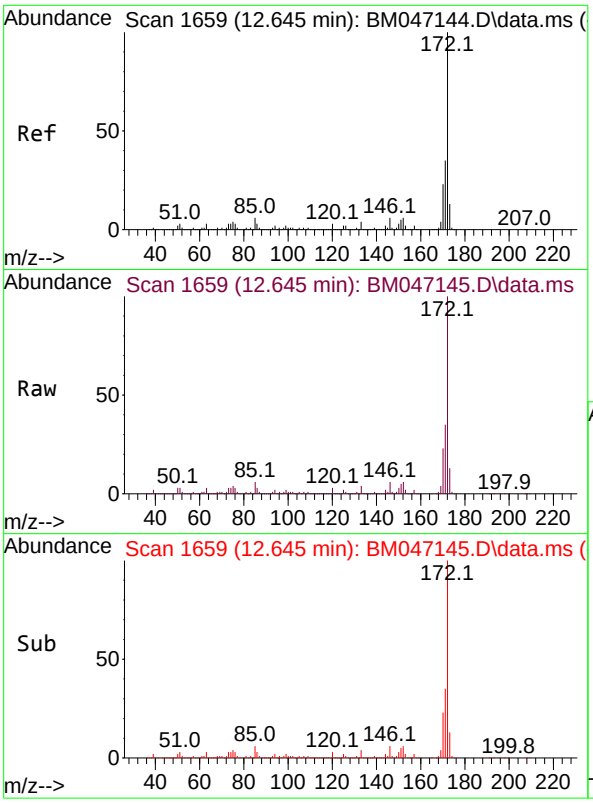


#44
2,4,5-Trichlorophenol
Concen: 50.644 ng
RT: 12.521 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:196 Resp: 909210

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.7	116.5
97	50.6	39.8	59.8
132	26.3	20.7	31.1



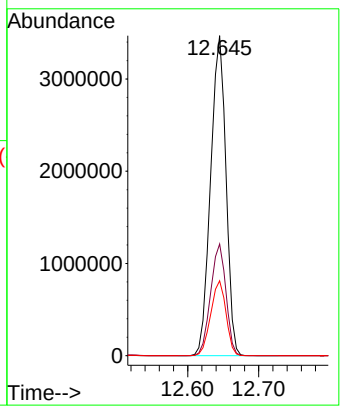


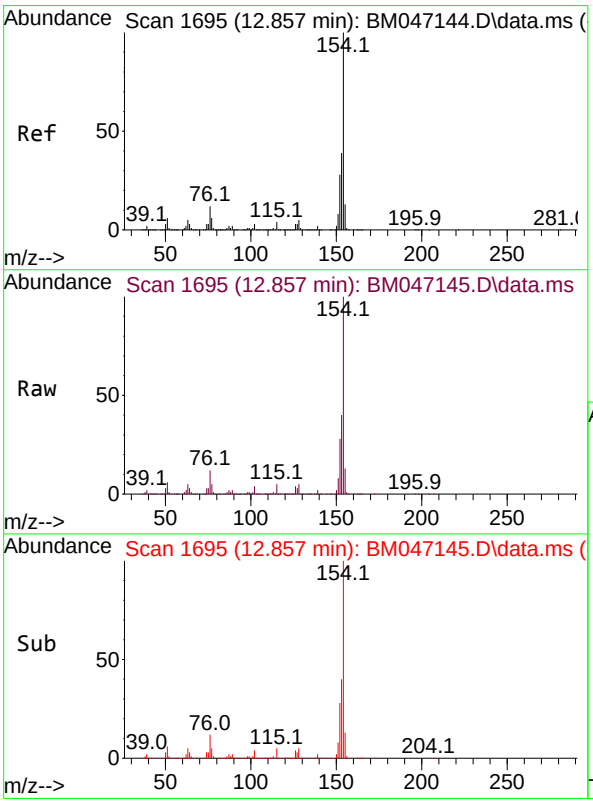
#45
2-Fluorobiphenyl
Concen: 96.172 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 5200055

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.4	18.7	28.1

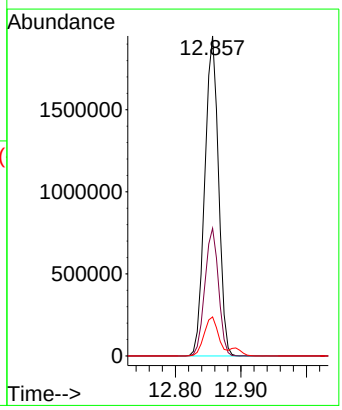


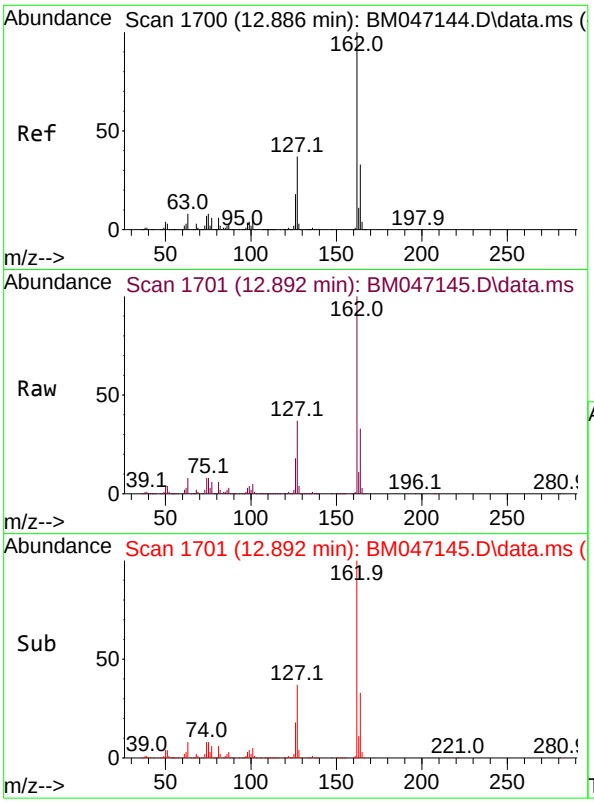


#46
1,1'-Biphenyl
Concen: 47.782 ng
RT: 12.857 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:154 Resp: 2837162

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.0	59.0
76	12.2	0.0	31.9



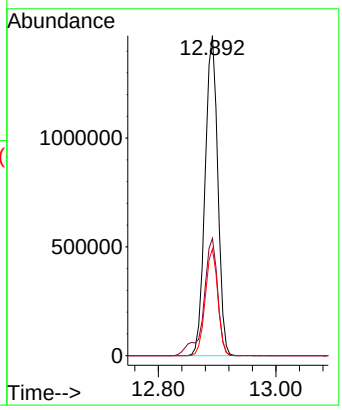


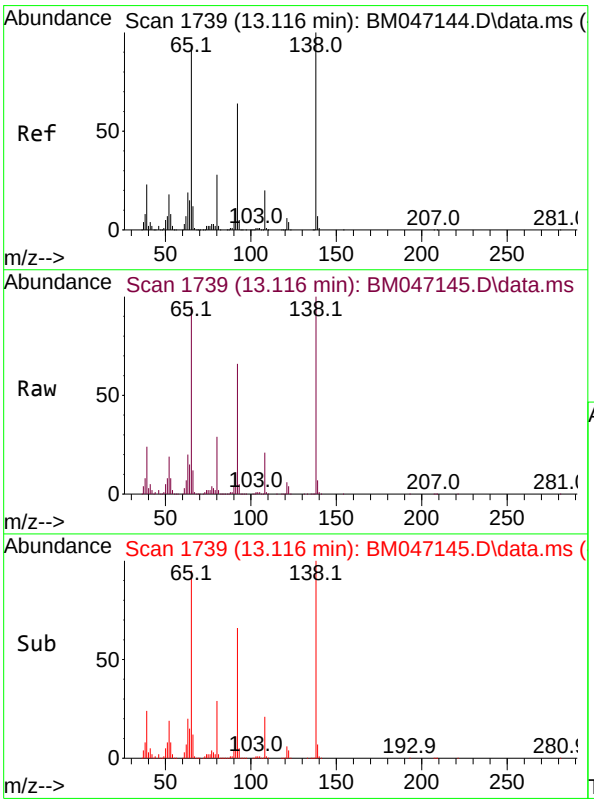
#47
2-Chloronaphthalene
Concen: 47.627 ng
RT: 12.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2210354

Ion	Ratio	Lower	Upper
162	100		
127	36.7	30.0	45.0
164	33.4	26.3	39.5

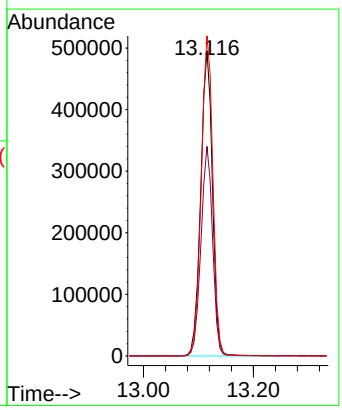


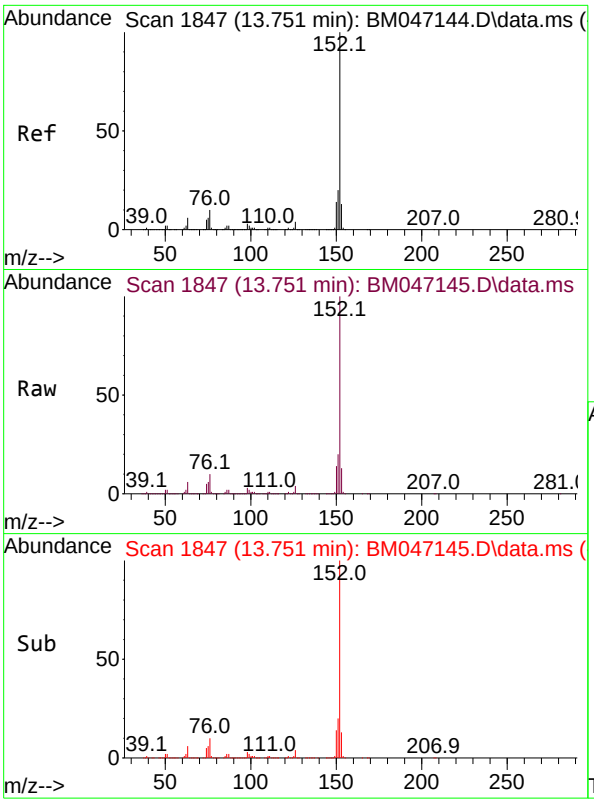


#48
2-Nitroaniline
Concen: 50.459 ng
RT: 13.116 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 65 Resp: 733636

Ion	Ratio	Lower	Upper
65	100		
92	68.7	55.1	82.7
138	104.8	85.9	128.9



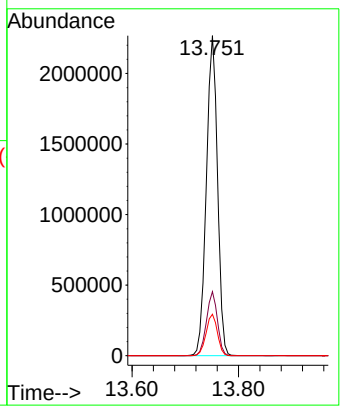


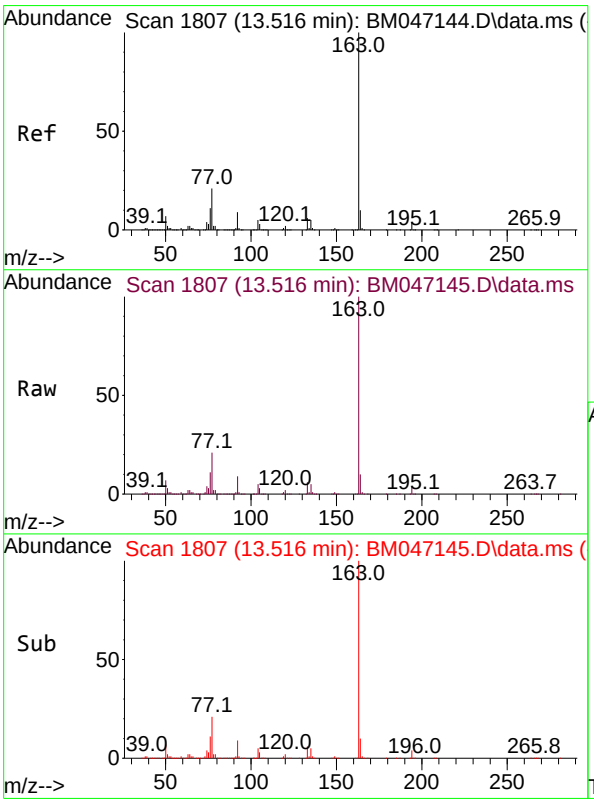
#49
Acenaphthylene
Concen: 48.009 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3284244

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.0	10.4	15.6

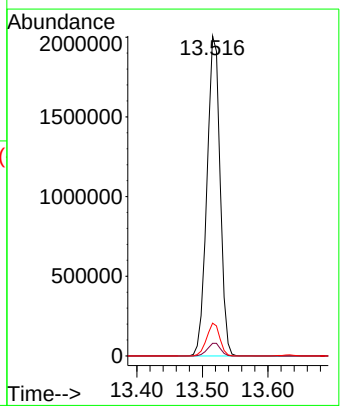


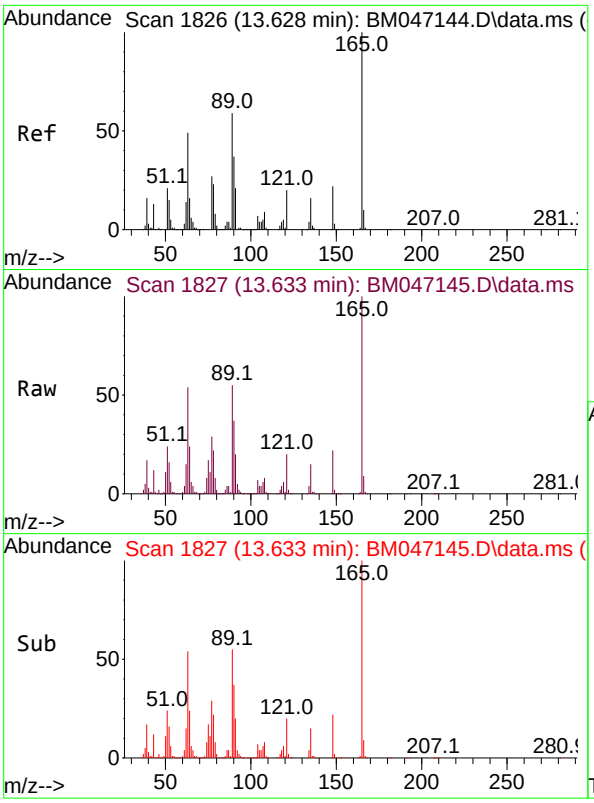


#50
Dimethylphthalate
Concen: 48.073 ng
RT: 13.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:163 Resp: 2800312

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.0	12.0



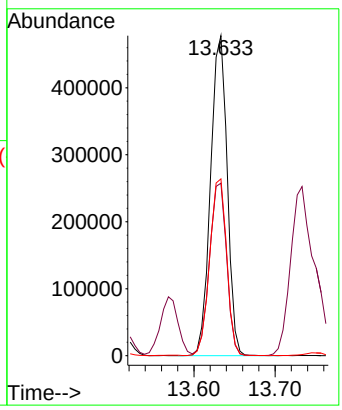


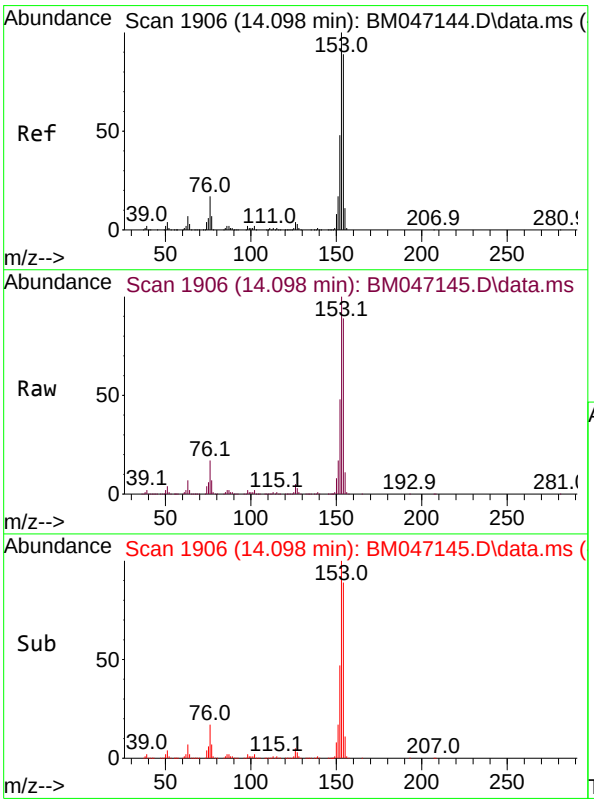
#51
2,6-Dinitrotoluene
Concen: 49.929 ng
RT: 13.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 679884

Ion	Ratio	Lower	Upper
165	100		
63	53.9	46.5	69.7
89	55.3	47.3	70.9

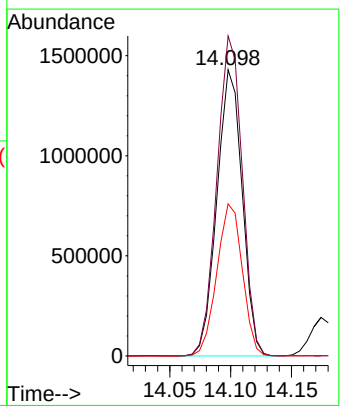


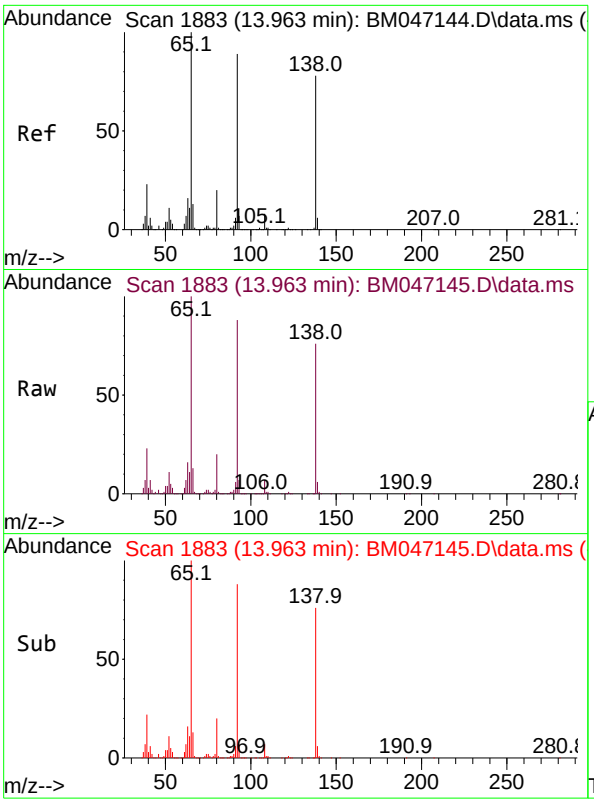


#52
Acenaphthene
Concen: 47.640 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:154 Resp: 2067281

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.3	135.5
152	53.2	42.9	64.3



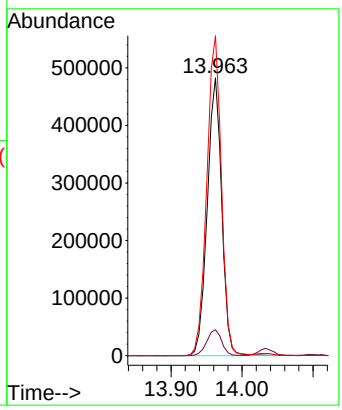


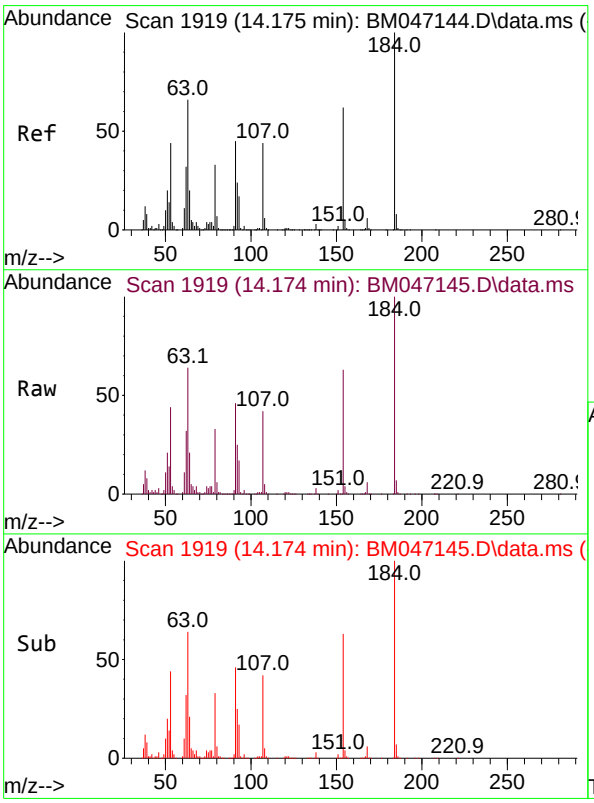
#53
3-Nitroaniline
Concen: 50.067 ng
RT: 13.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 683158

Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.9	11.9
92	115.1	92.0	138.0

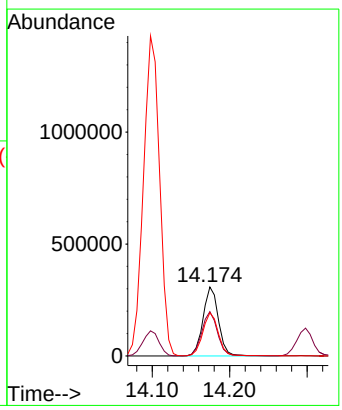


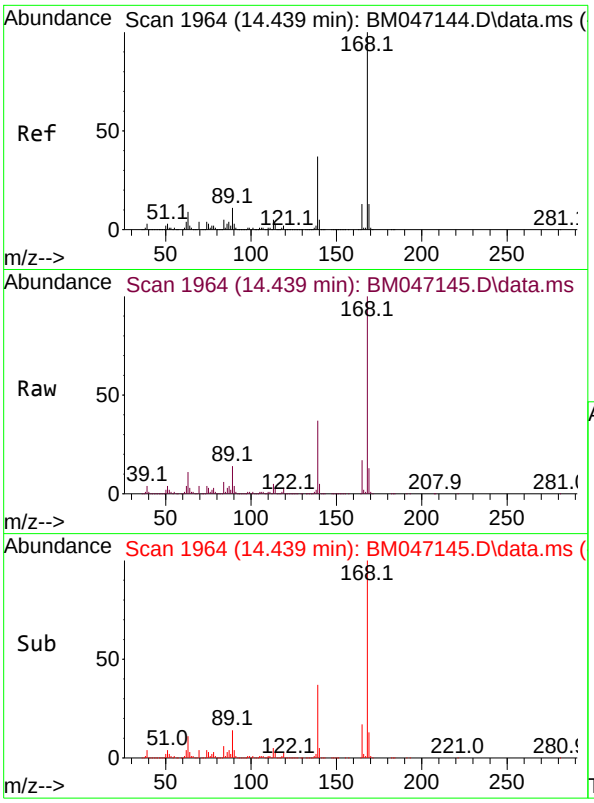


#54
2,4-Dinitrophenol
Concen: 52.012 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:184 Resp: 424486

Ion	Ratio	Lower	Upper
184	100		
63	64.2	52.7	79.1
154	62.6	50.4	75.6



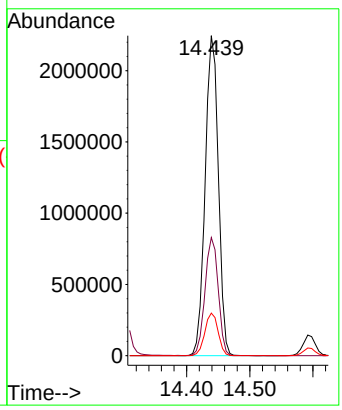


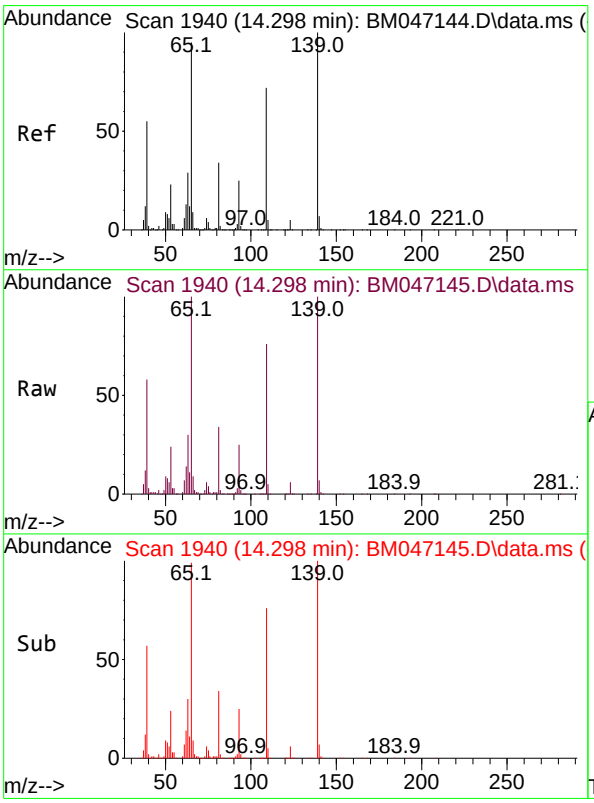
#55
Dibenzofuran
Concen: 47.413 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3249834

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.6	44.4
169	13.3	10.7	16.1

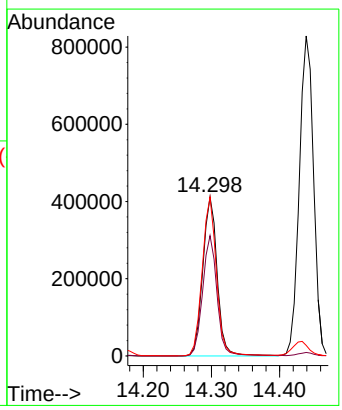


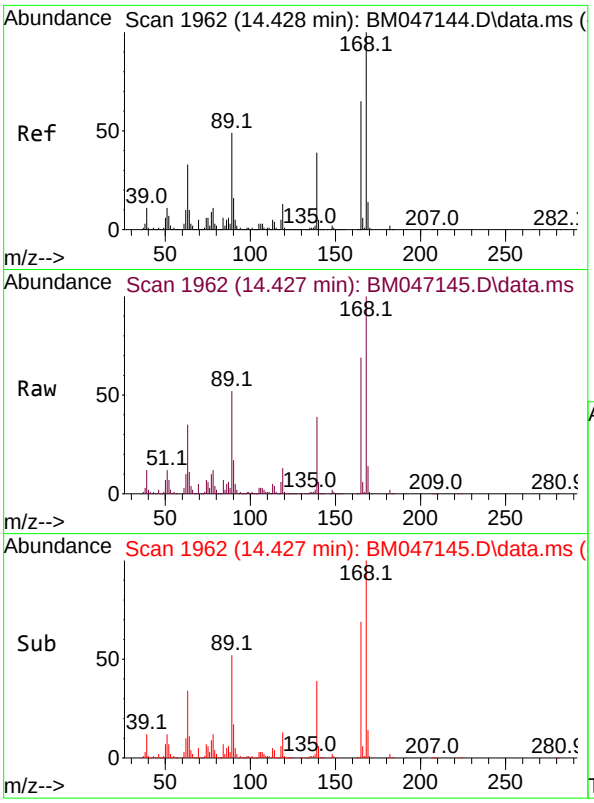


#56
4-Nitrophenol
Concen: 51.542 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:139 Resp: 606437

Ion	Ratio	Lower	Upper
139	100		
109	75.7	52.5	92.5
65	99.9	75.4	115.4



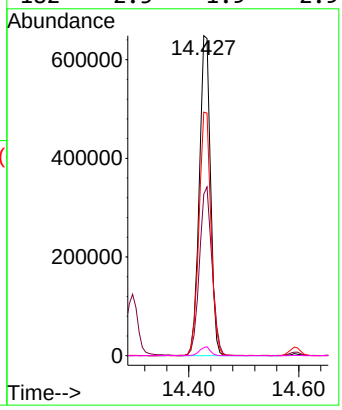


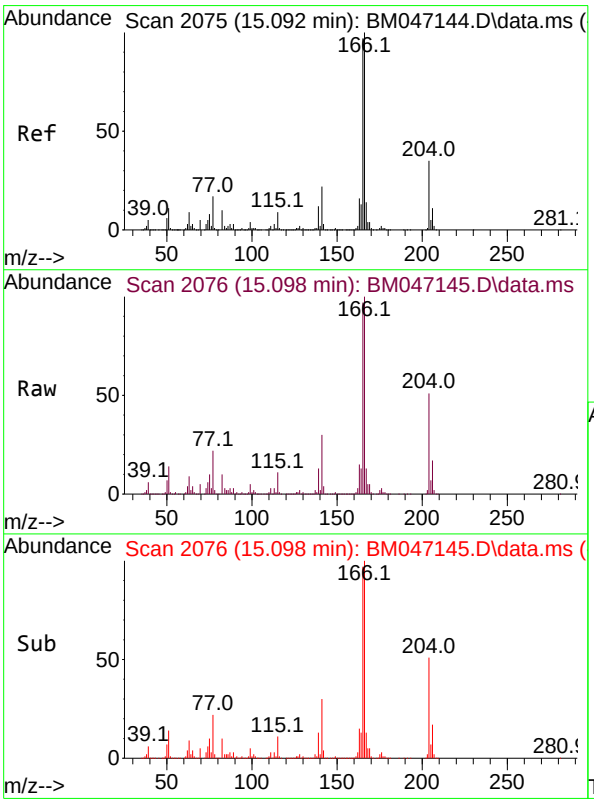
#57
2,4-Dinitrotoluene
Concen: 50.482 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 917536

Ion	Ratio	Lower	Upper
165	100		
63	50.4	40.3	60.5
89	76.1	61.0	91.6
182	2.5	1.9	2.9

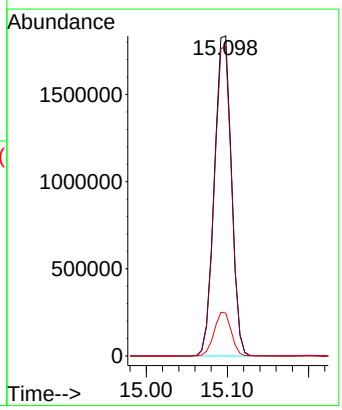


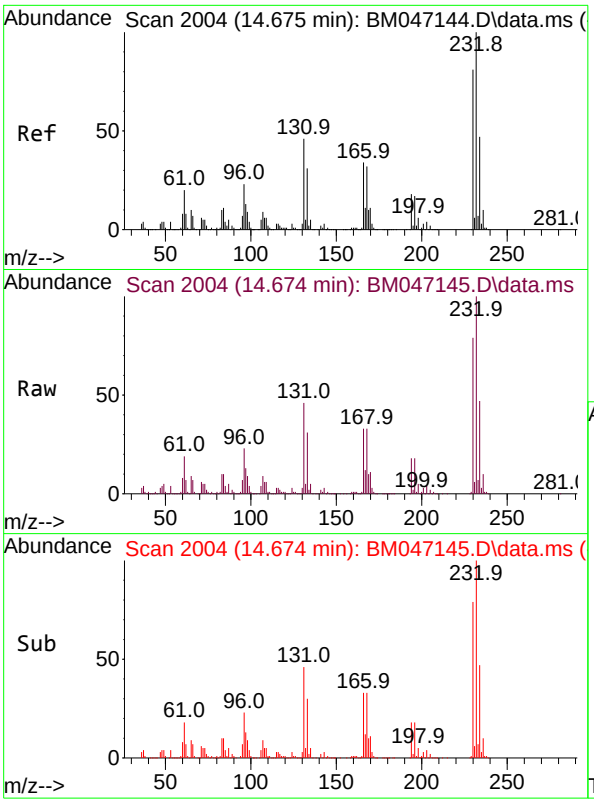


#58
Fluorene
Concen: 47.578 ng
RT: 15.098 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:166 Resp: 2690806

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.4	116.0
167	13.4	11.0	16.6



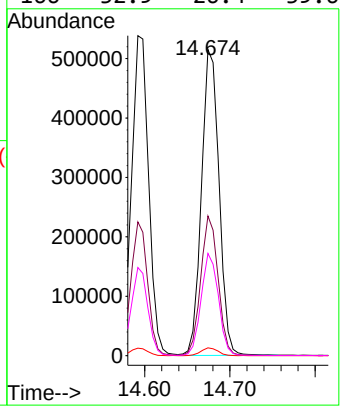


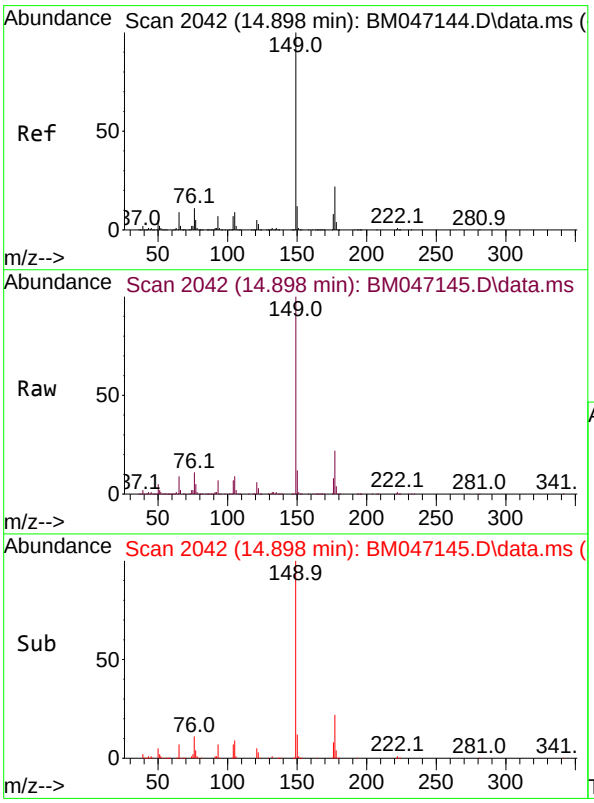
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.022 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 738067

Ion	Ratio	Lower	Upper
232	100		
131	45.1	36.9	55.3
130	2.5	2.0	3.0
166	32.9	26.4	39.6

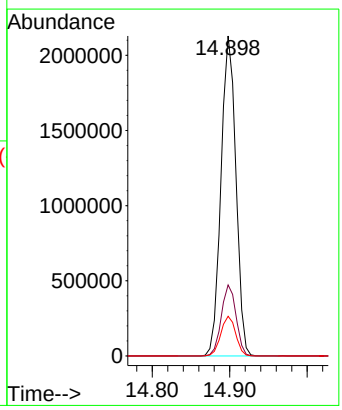


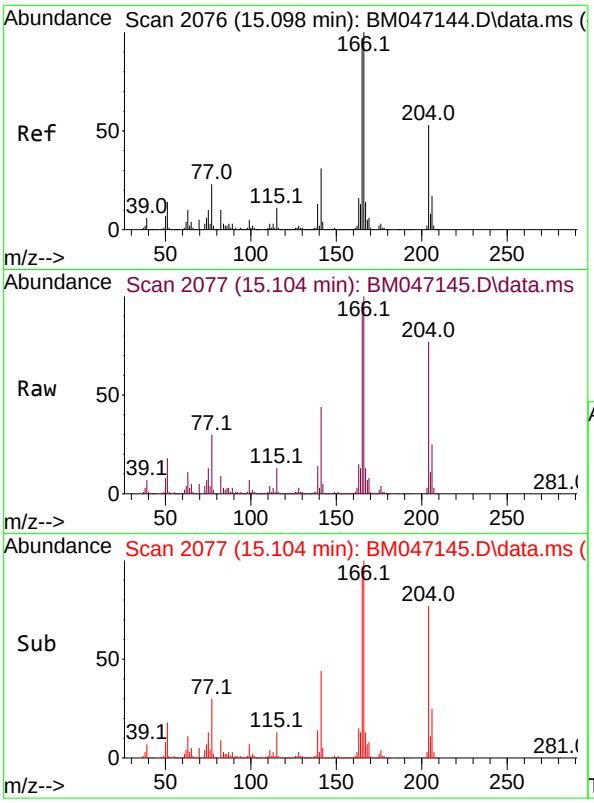


#60
Diethylphthalate
Concen: 47.851 ng
RT: 14.898 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 2846430

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.6	26.4
150	12.4	9.8	14.6



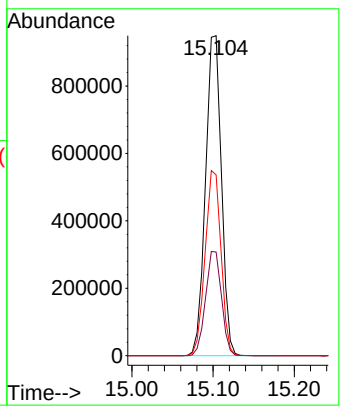


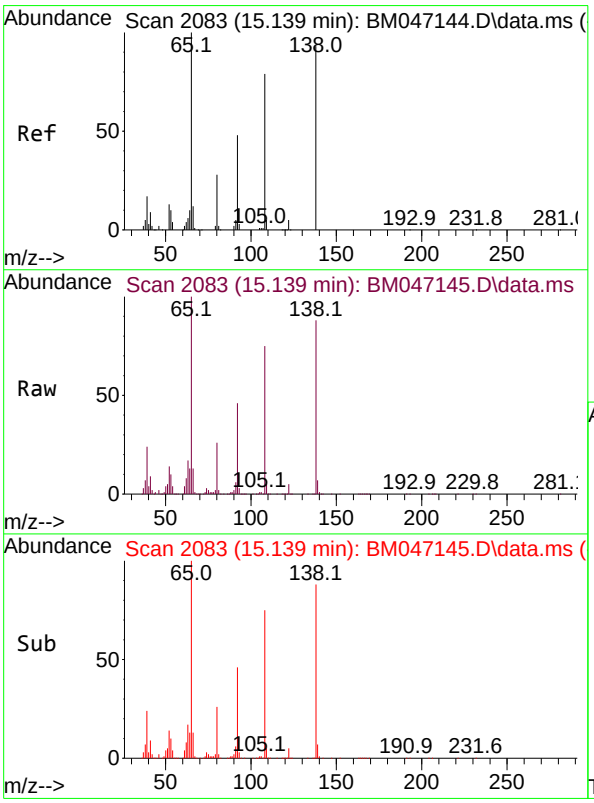
#61
4-Chlorophenyl-phenylether
Concen: 47.901 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1289728

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.4
141	56.5	47.2	70.8

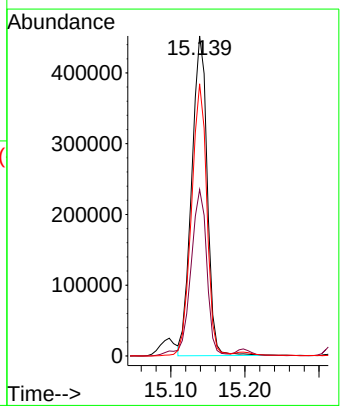


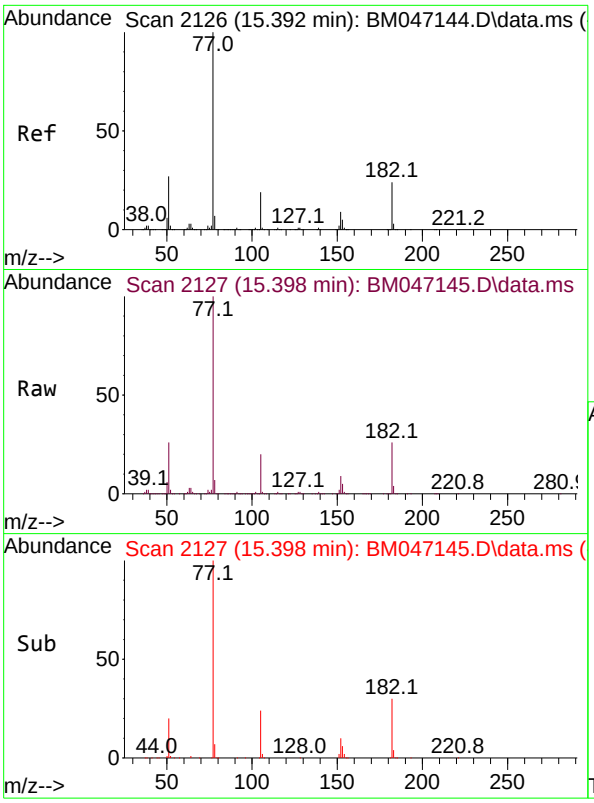


#62
4-Nitroaniline
Concen: 49.229 ng
RT: 15.139 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:138 Resp: 661759

Ion	Ratio	Lower	Upper
138	100		
92	52.0	31.9	71.9
108	85.1	63.8	103.8



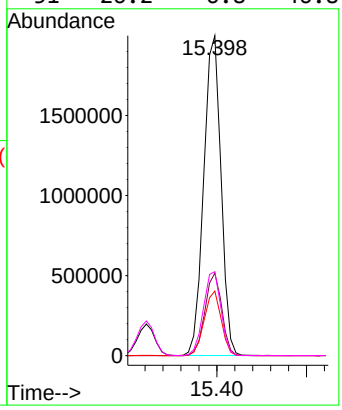


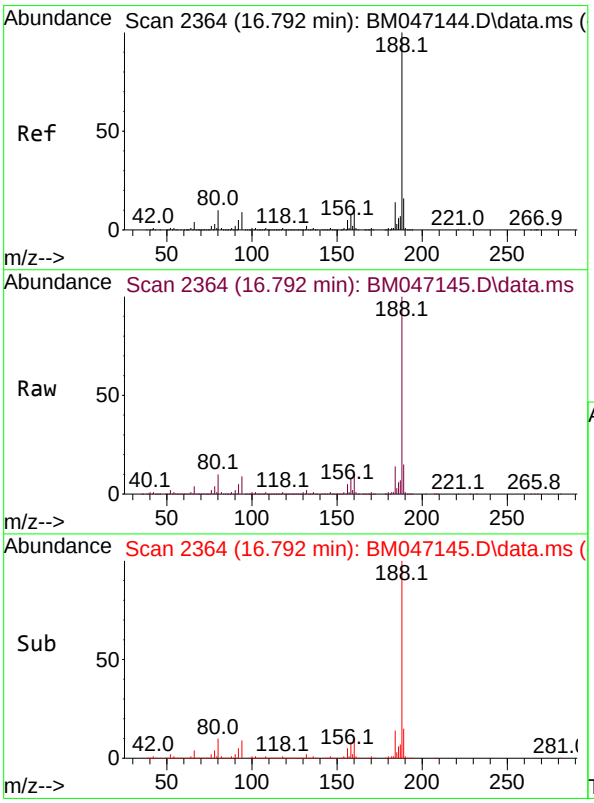
#63
Azobenzene
Concen: 47.334 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2669713

Ion	Ratio	Lower	Upper
77	100		
182	25.8	3.8	43.8
105	20.2	0.0	39.5
51	26.2	6.8	46.8

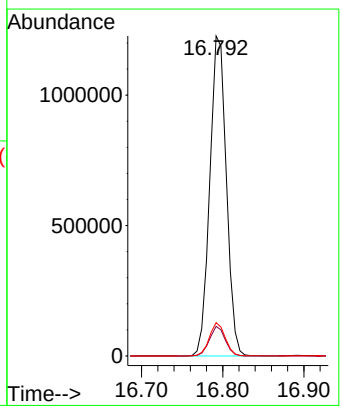


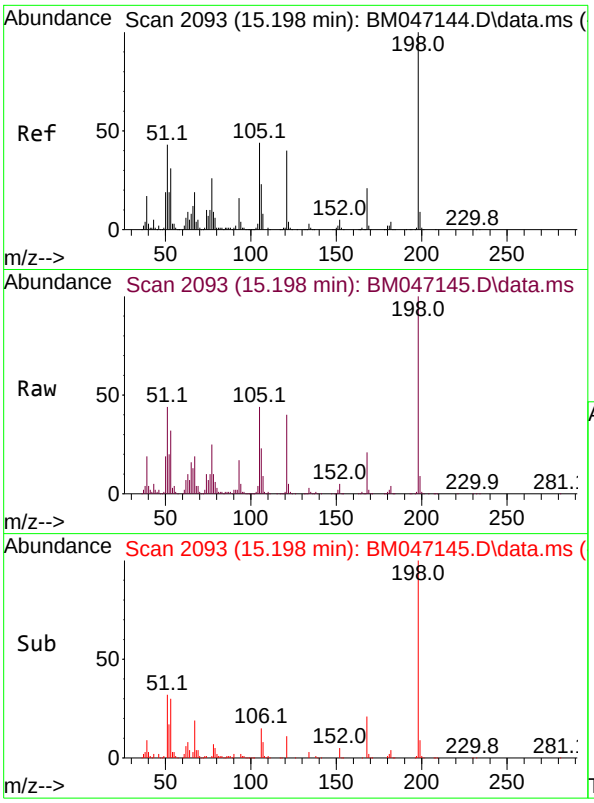


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:188 Resp: 1737042

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.0	10.6
80	10.4	8.0	12.0



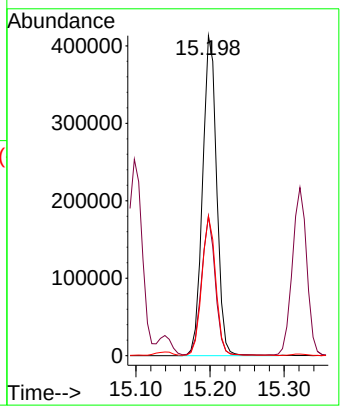


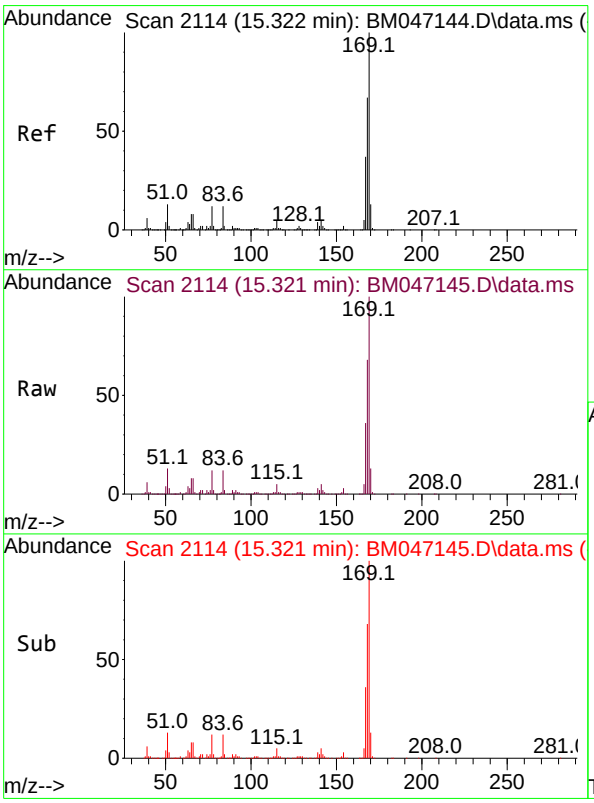
#65
4,6-Dinitro-2-methylphenol
Concen: 53.617 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 545293

Ion	Ratio	Lower	Upper
198	100		
51	43.6	23.9	63.9
105	43.6	24.3	64.3

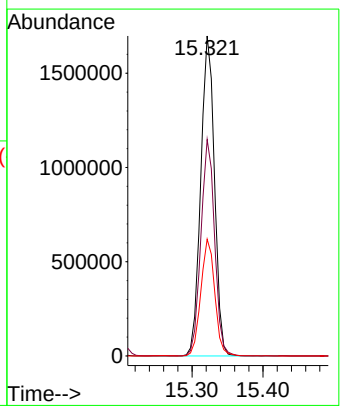


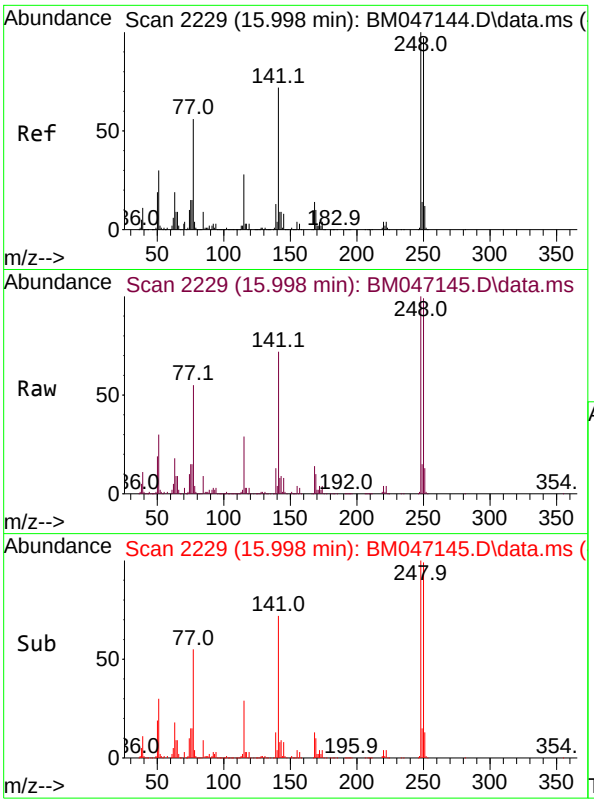


#66
n-Nitrosodiphenylamine
Concen: 48.302 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:169 Resp: 2285297

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.8	80.8
167	36.5	29.3	43.9



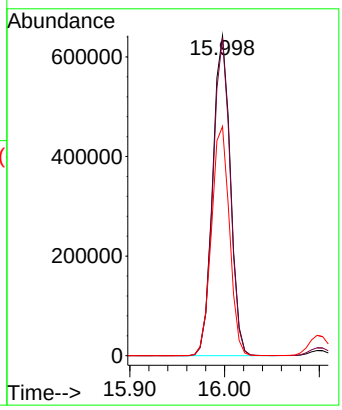


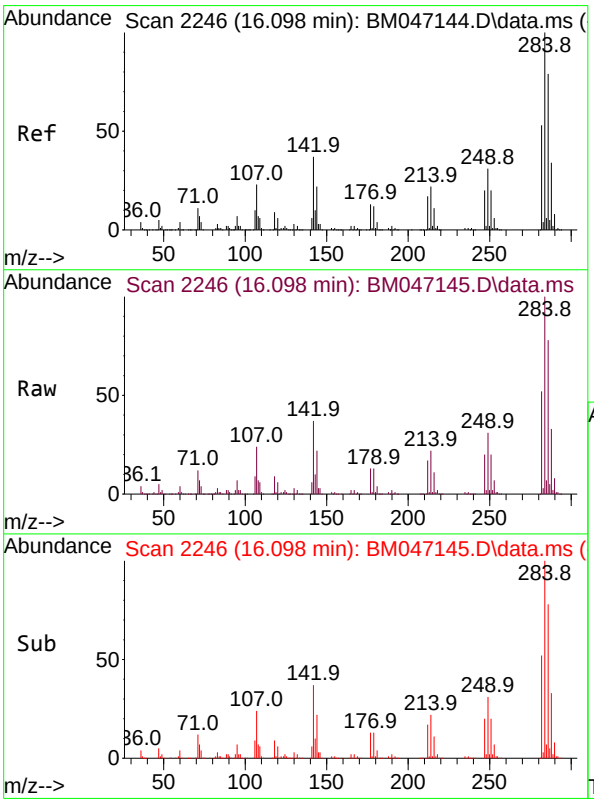
#67
4-Bromophenyl-phenylether
Concen: 49.667 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 831353

Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.8	116.8
141	71.6	57.7	86.5

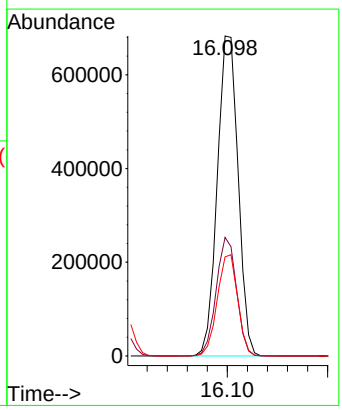


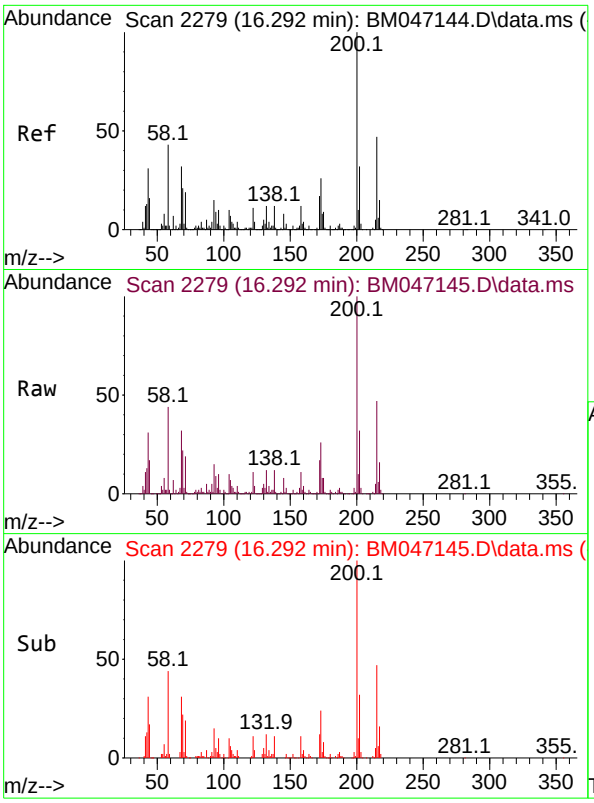


#68
Hexachlorobenzene
Concen: 49.041 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:284 Resp: 983119

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.4	44.0
249	30.9	25.1	37.7



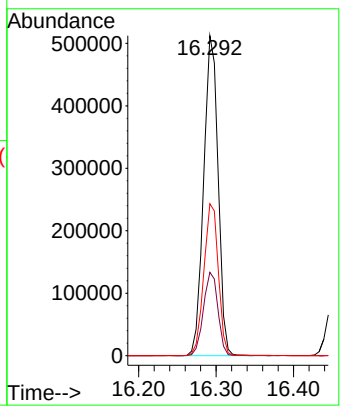


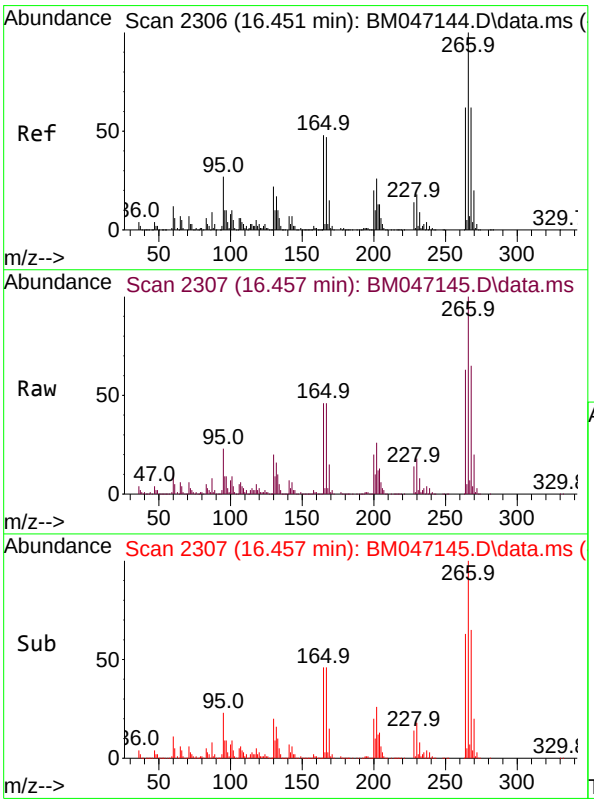
#69
Atrazine
Concen: 46.512 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 662204

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.1	46.1
215	47.5	26.8	66.8

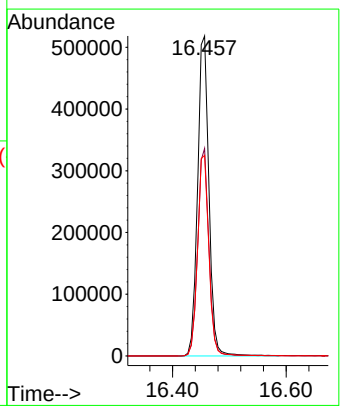


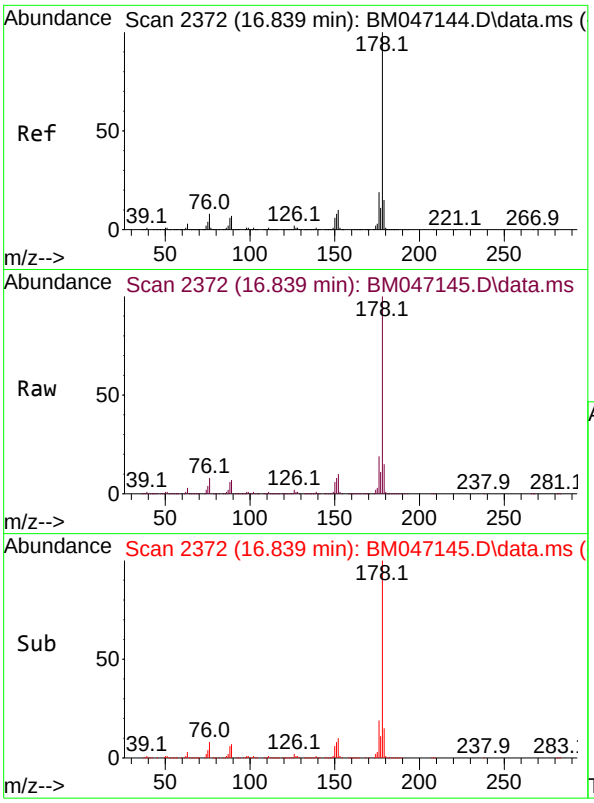


#70
Pentachlorophenol
Concen: 51.201 ng
RT: 16.457 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:266 Resp: 719505

Ion	Ratio	Lower	Upper
266	100		
268	64.9	49.8	74.6
264	62.7	49.6	74.4



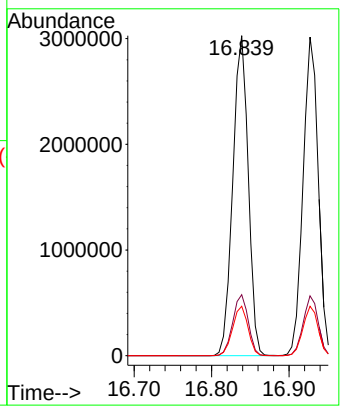


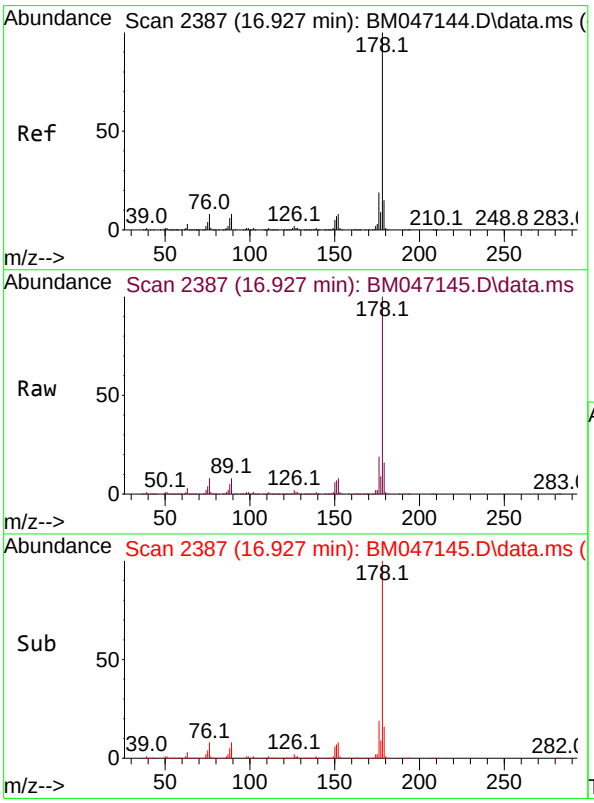
#71
Phenanthrene
Concen: 48.170 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4199256

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.4	18.6

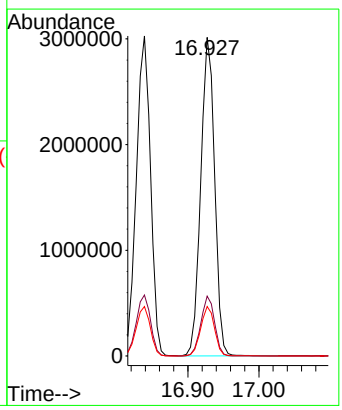


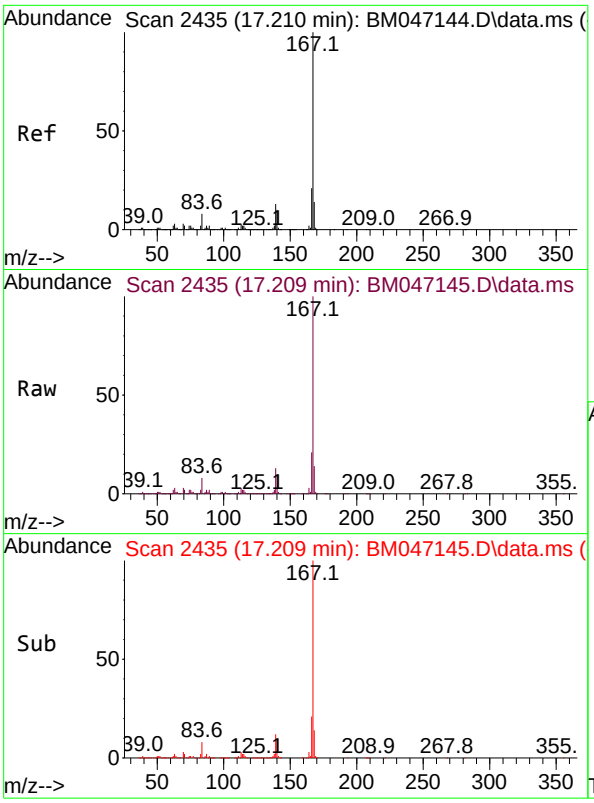


#72
Anthracene
Concen: 48.425 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:178 Resp: 4107556

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.4	18.6



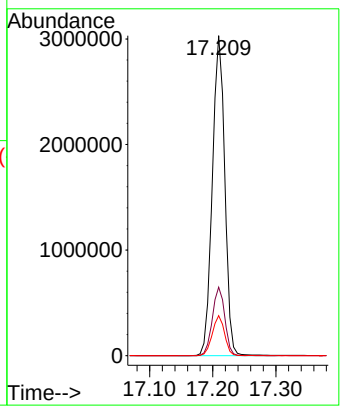


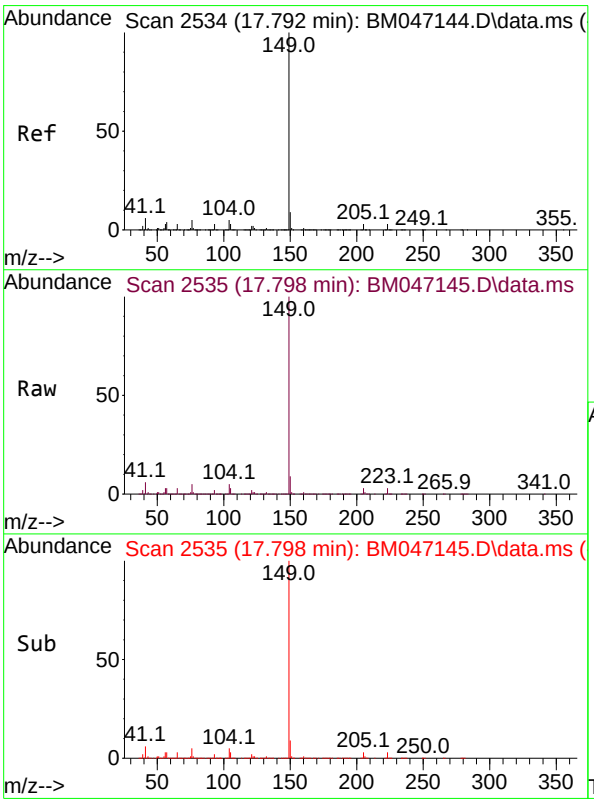
#73
Carbazole
Concen: 47.836 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4142913

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.5	10.0	15.0

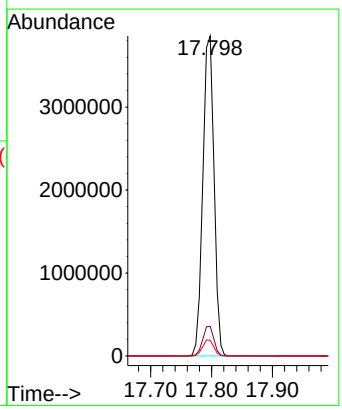


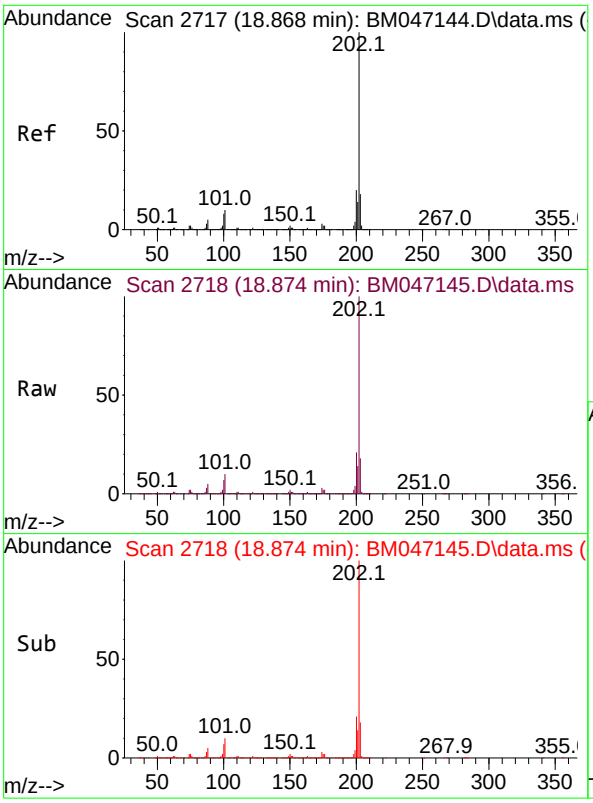


#74
Di-n-butylphthalate
Concen: 48.863 ng
RT: 17.798 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 4924066

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.9	4.1	6.1



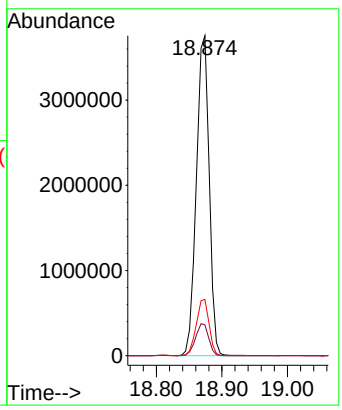


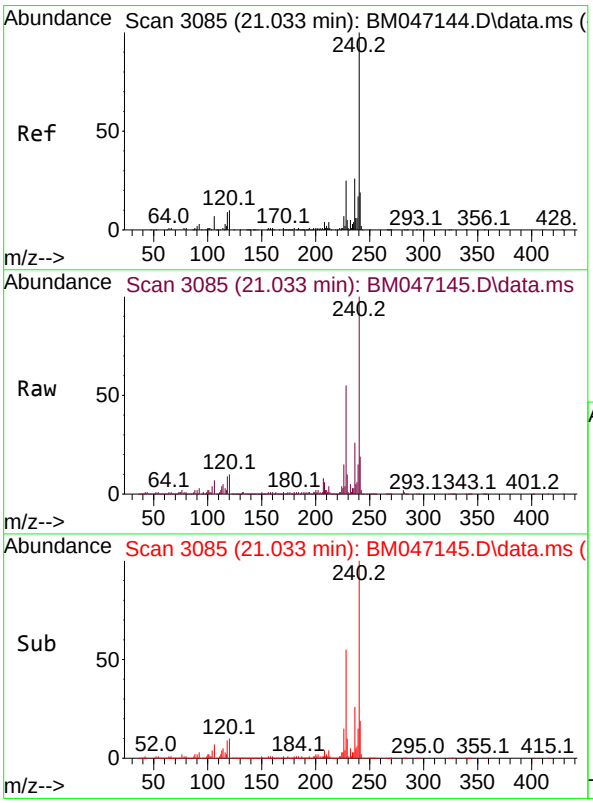
#75
Fluoranthene
Concen: 48.293 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5120629

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.2
203	17.6	0.0	37.6

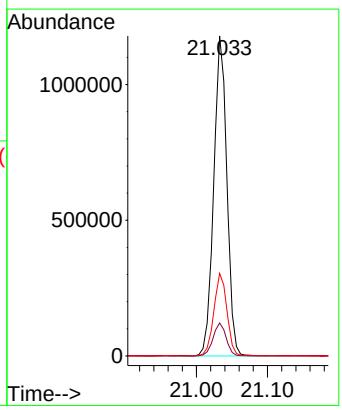


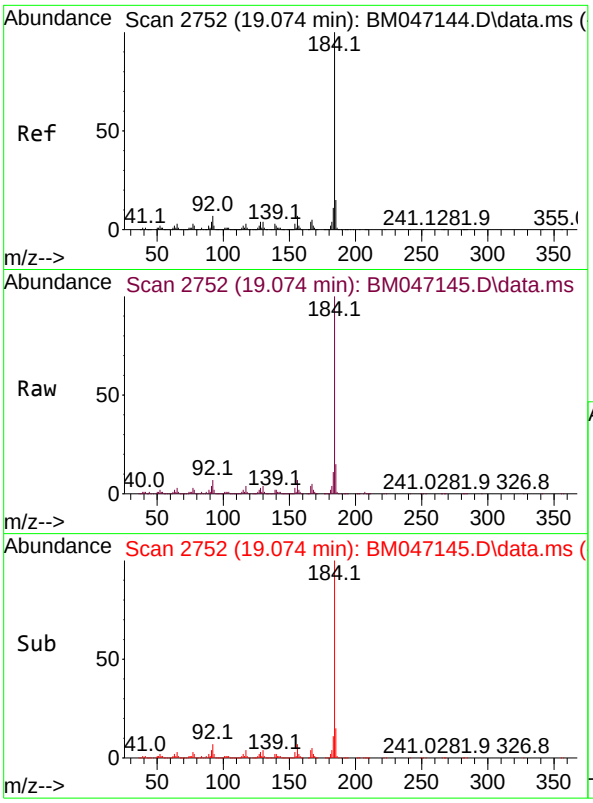


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:240 Resp: 1511494

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.2	12.2
236	25.8	20.6	30.8



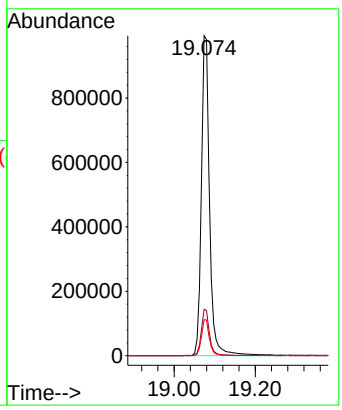


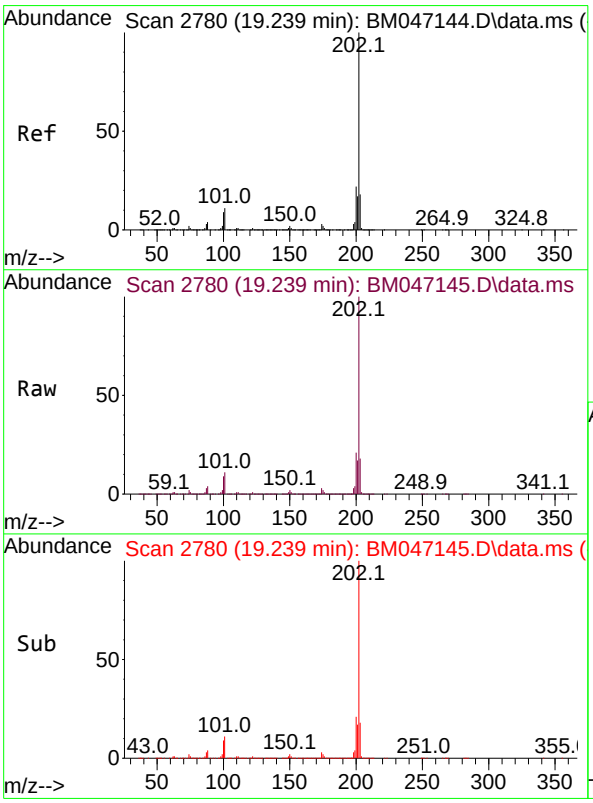
#77
Benzidine
Concen: 54.615 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1399934

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.6
183	11.3	9.0	13.6

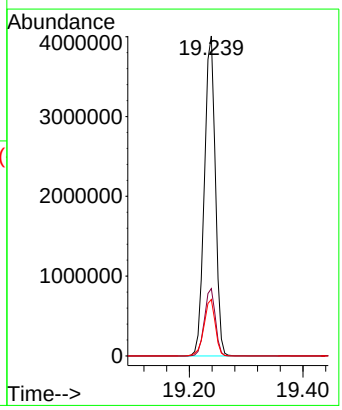


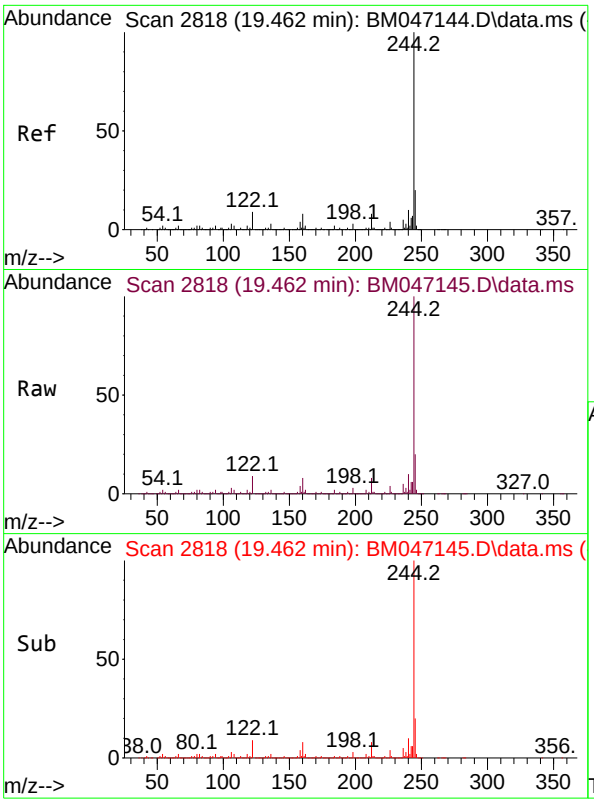


#78
Pyrene
Concen: 49.505 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:202 Resp: 5342784

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.6	14.2	21.2



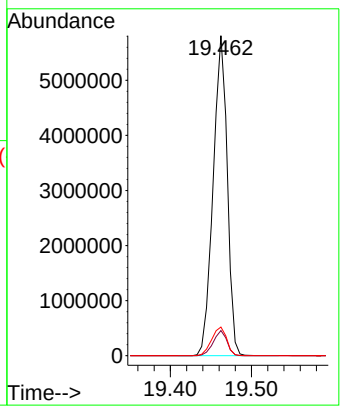


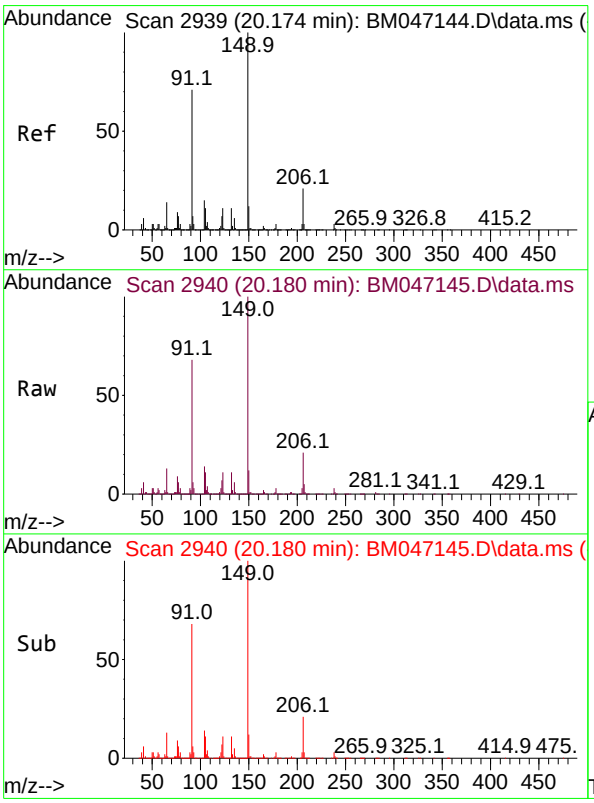
#79
Terphenyl-d14
Concen: 99.443 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7014667

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.4
122	8.9	7.1	10.7

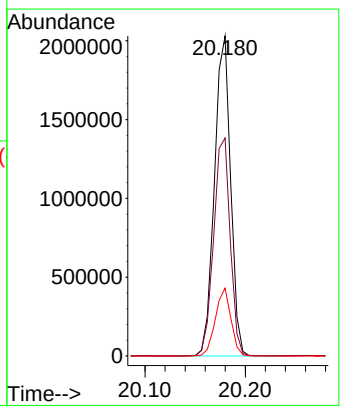


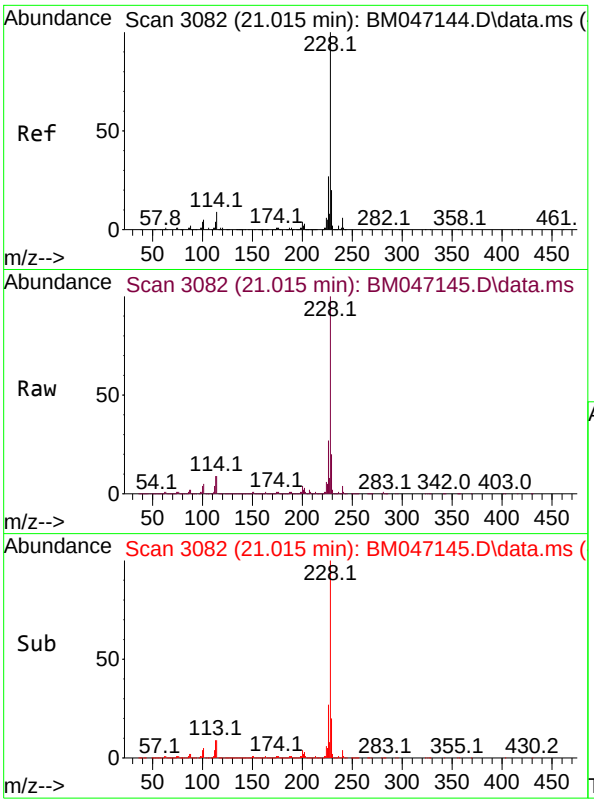


#80
Butylbenzylphthalate
Concen: 51.348 ng
RT: 20.180 min Scan# 2940
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 2261582

Ion	Ratio	Lower	Upper
149	100		
91	68.1	57.0	85.4
206	21.2	16.4	24.6



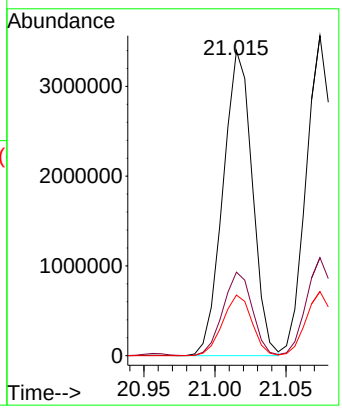


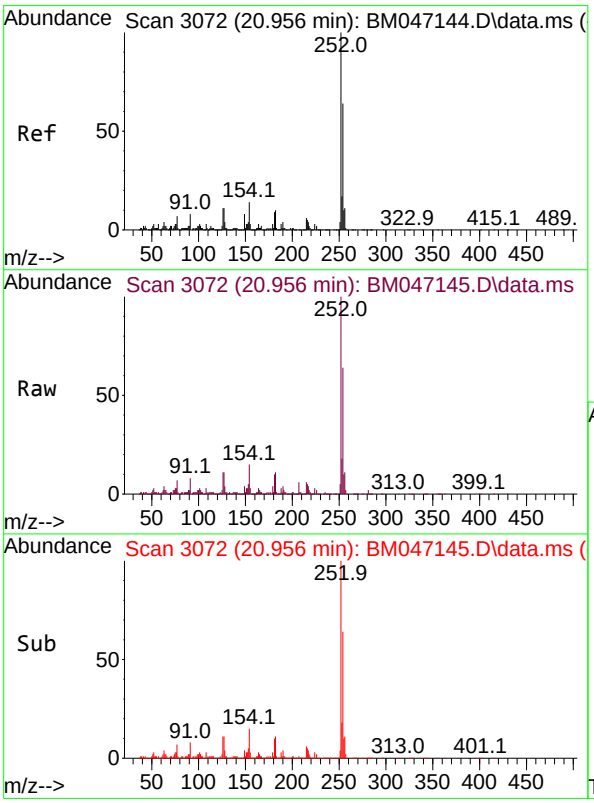
#81
Benzo(a)anthracene
Concen: 48.632 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4879819

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	19.9	15.8	23.8

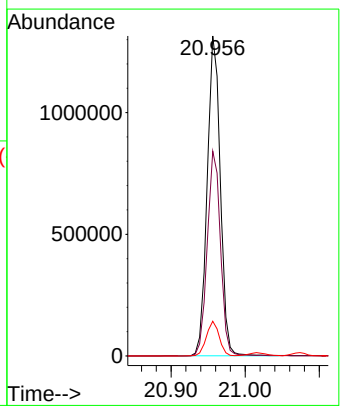


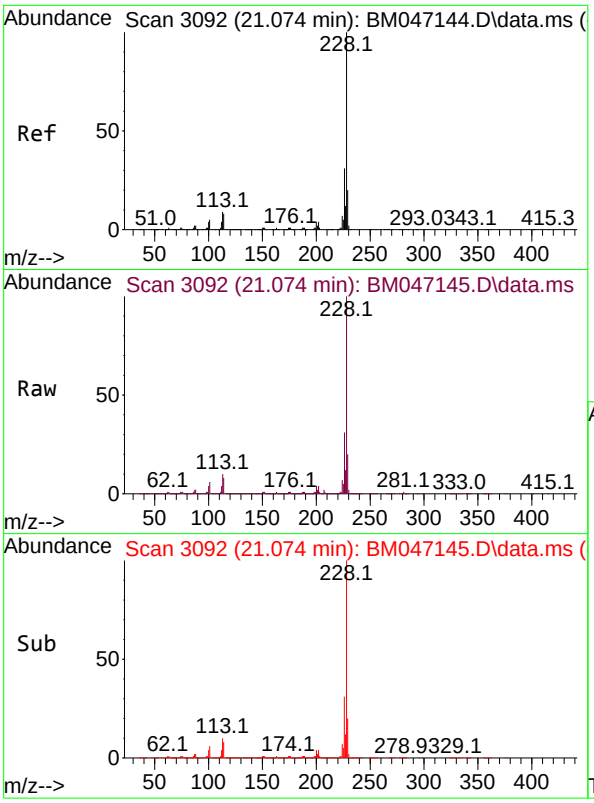


#82
3,3'-Dichlorobenzidine
Concen: 51.403 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:252 Resp: 1613787

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.6
126	10.9	8.5	12.7



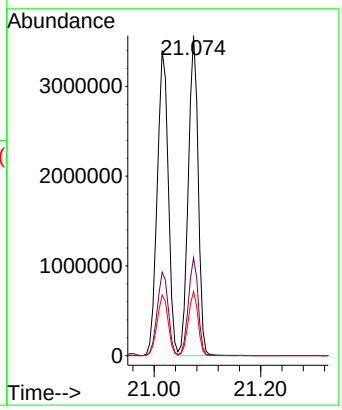


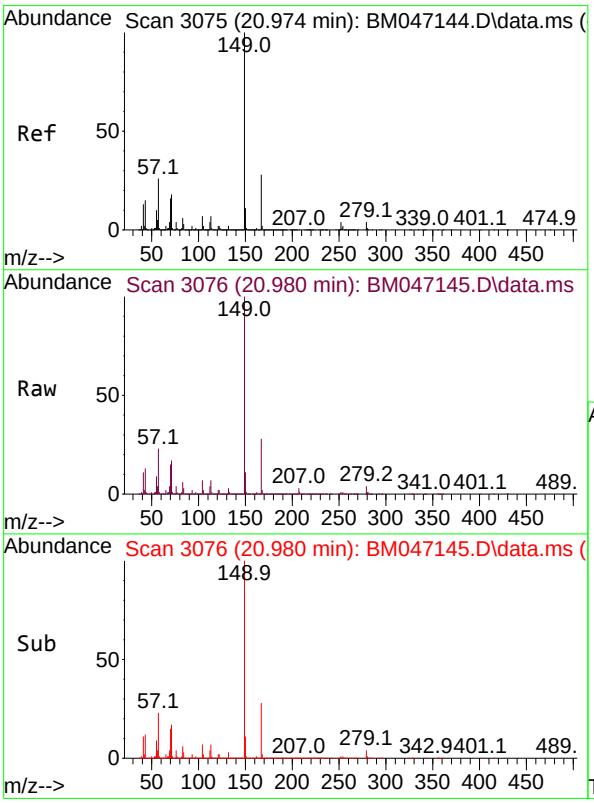
#83
Chrysene
Concen: 48.178 ng
RT: 21.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4586625

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	20.0	15.7	23.5

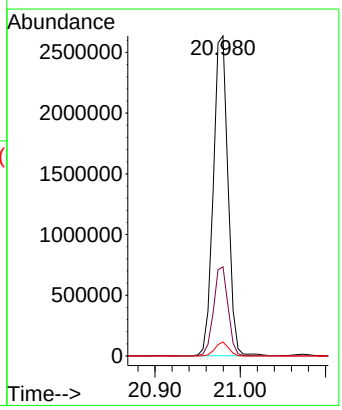


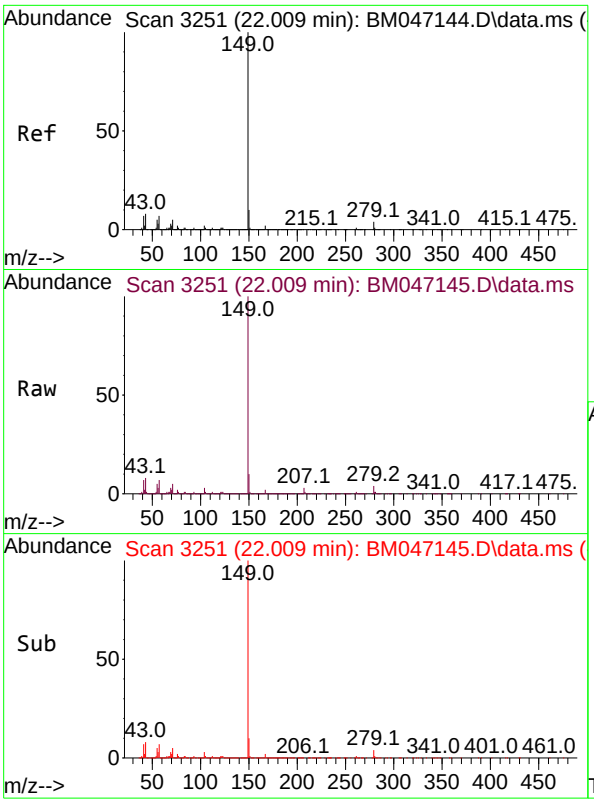


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.331 ng
RT: 20.980 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 3143788

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.2
279	4.3	3.0	4.4



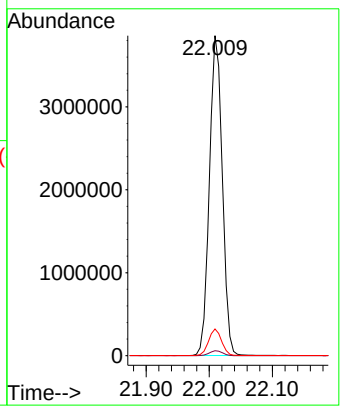


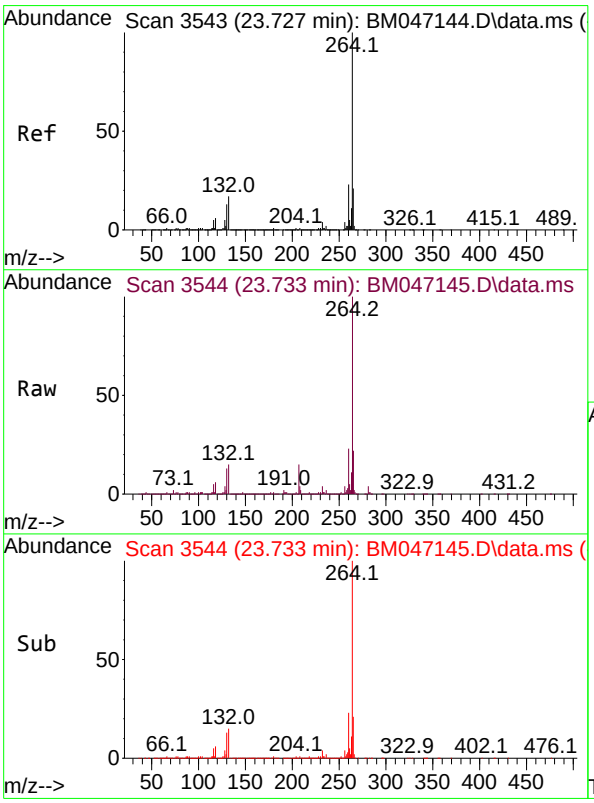
#85
Di-n-octyl phthalate
Concen: 51.591 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5477285

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.9	10.3

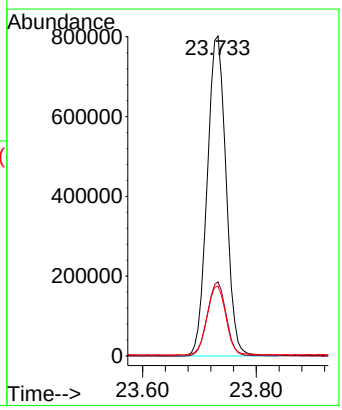


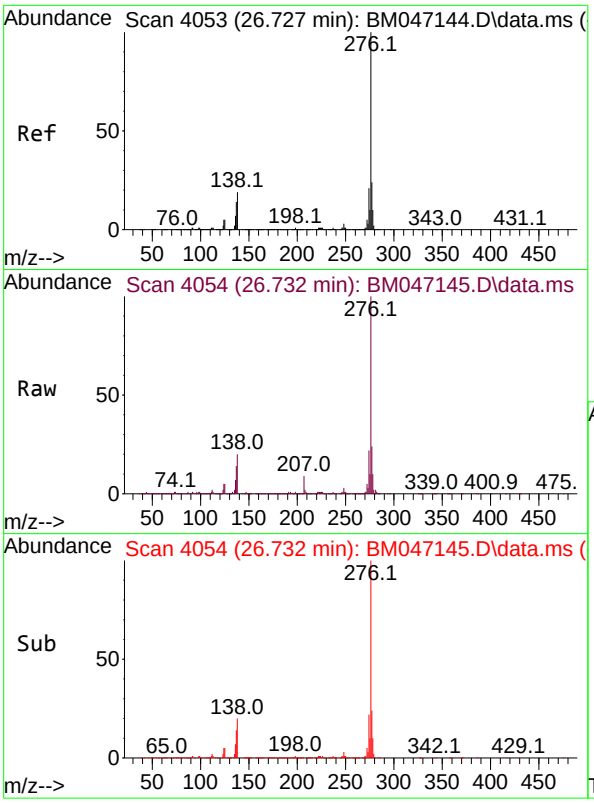


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:264 Resp: 1841387

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.8	17.3	25.9



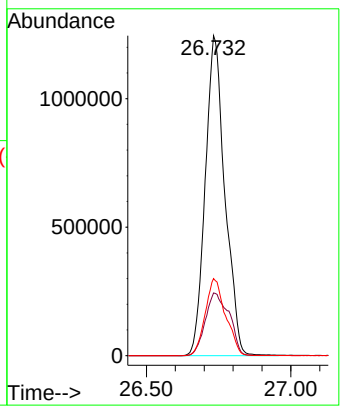


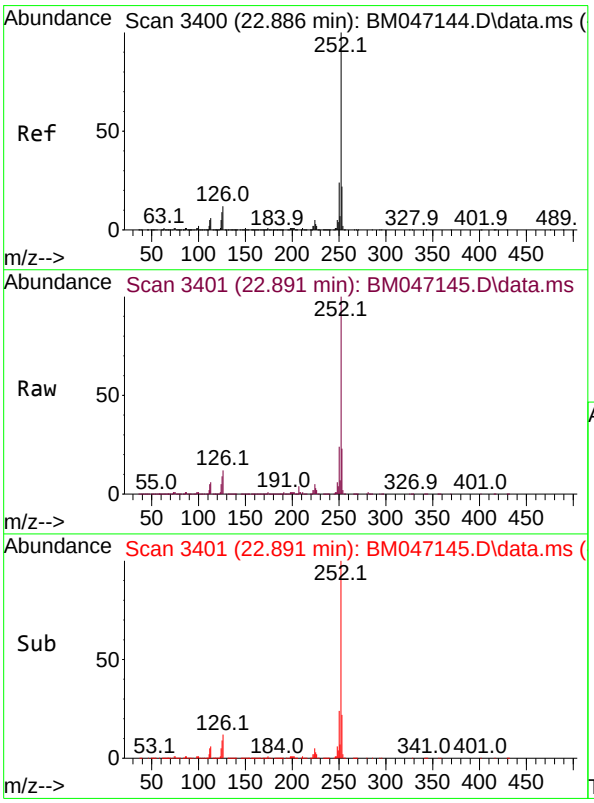
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.416 ng
RT: 26.732 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5881591

Ion	Ratio	Lower	Upper
276	100		
138	23.9	19.4	29.0
277	25.0	20.1	30.1

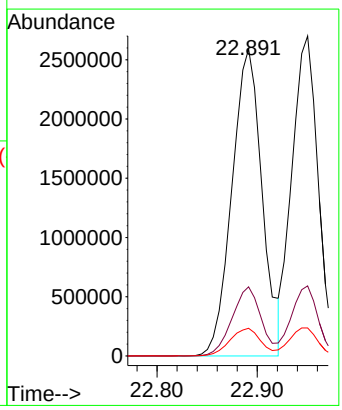


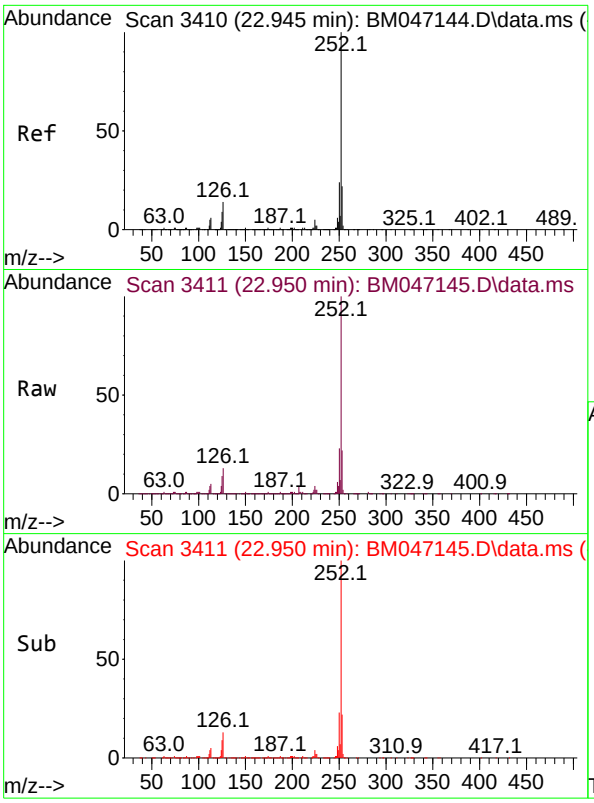


#88
Benzo(b)fluoranthene
Concen: 49.618 ng
RT: 22.891 min Scan# 3401
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:252 Resp: 5425845

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	9.0	7.4	11.0



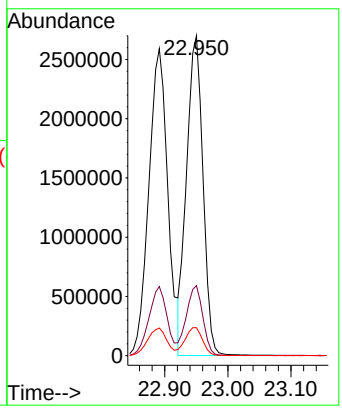


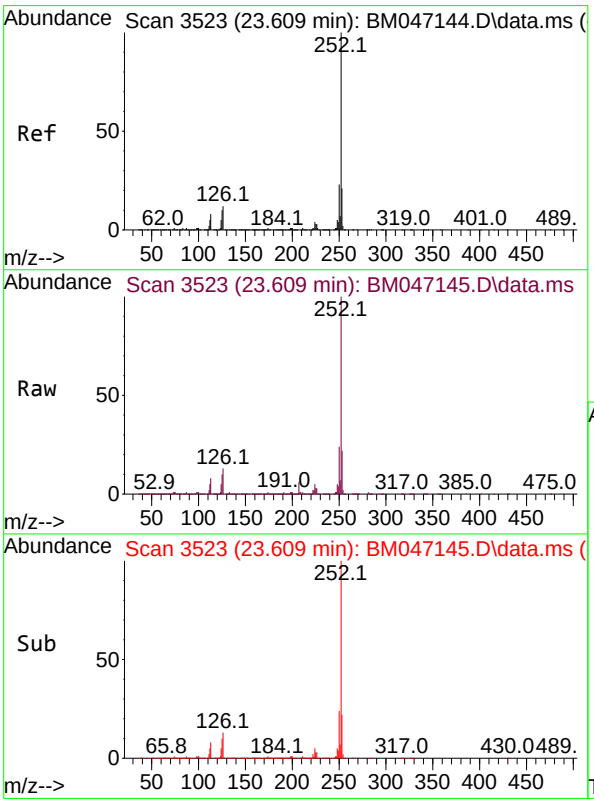
#89
Benzo(k)fluoranthene
Concen: 47.199 ng
RT: 22.950 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4875078

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.7	7.4	11.2

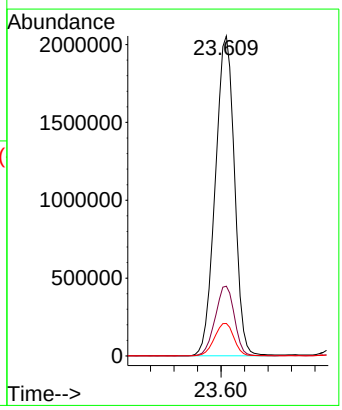


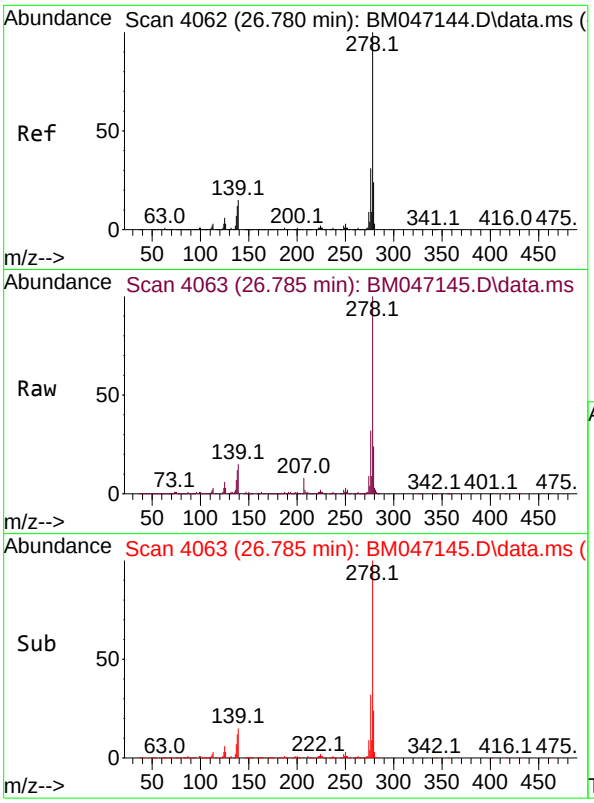


#90
Benzo(a)pyrene
Concen: 49.170 ng
RT: 23.609 min Scan# 3523
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:252 Resp: 4657835

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.2	8.2	12.2



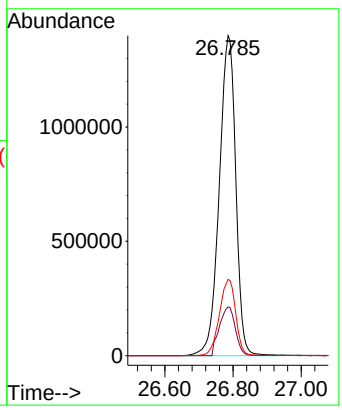


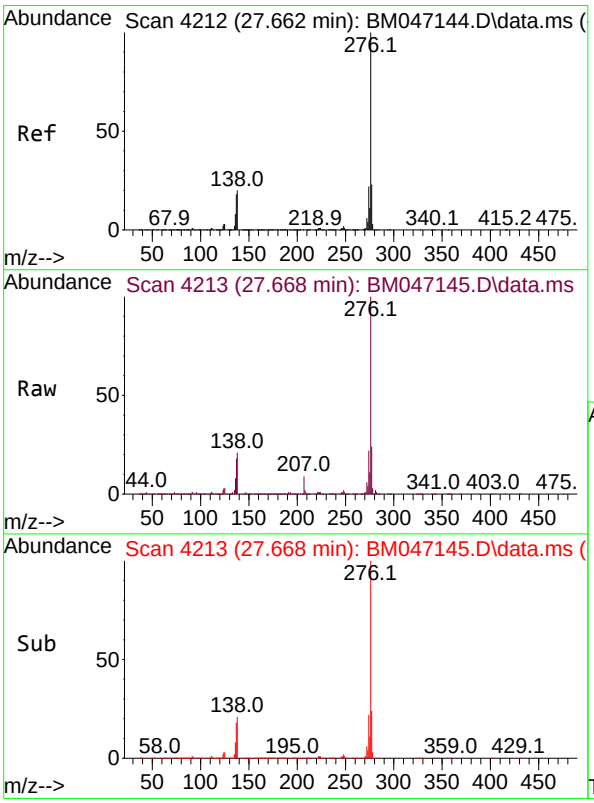
#91
Dibenzo(a,h)anthracene
Concen: 48.774 ng
RT: 26.785 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4698026

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.0	18.0
279	23.9	19.2	28.8

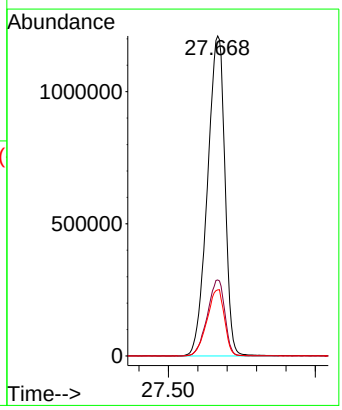




#92
Benzo(g,h,i)perylene
Concen: 49.812 ng
RT: 27.668 min Scan# 4213
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:276 Resp: 4981580

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	20.7	16.2	24.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047146.D
Acq On : 10 Aug 2024 17:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Aug 11 23:35:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	381037	20.000	ng		0.00
21) Naphthalene-d8	10.133	136	1526728	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	991306	20.000	ng		0.00
64) Phenanthrene-d10	16.798	188	2082135	20.000	ng		0.00
76) Chrysene-d12	21.033	240	1812683	20.000	ng		0.00
86) Perylene-d12	23.733	264	2151546	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.028	112	2449346	114.860	ng		0.00
7) Phenol-d6	6.593	99	3414785	116.214	ng		0.00
23) Nitrobenzene-d5	8.528	82	3495384	115.282	ng		0.00
42) 2,4,6-Tribromophenol	15.545	330	1391826	121.088	ng		0.00
45) 2-Fluorobiphenyl	12.645	172	7500034	116.705	ng		0.00
79) Terphenyl-d14	19.462	244	10315735	121.942	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	505618	57.225	ng		98
3) Pyridine	3.410	79	1511433m	58.377	ng		
4) n-Nitrosodimethylamine	3.334	42	666445	58.875	ng		99
6) Aniline	6.728	93	1595030	57.431	ng		100
8) 2-Chlorophenol	6.957	128	1333099	57.317	ng		98
9) Benzaldehyde	6.540	77	733143	58.359	ng		100
10) Phenol	6.616	94	1688399	57.586	ng		99
11) bis(2-Chloroethyl)ether	6.834	93	1446822	57.623	ng		100
12) 1,3-Dichlorobenzene	7.263	146	1592469	57.619	ng		98
13) 1,4-Dichlorobenzene	7.410	146	1614359	57.691	ng		99
14) 1,2-Dichlorobenzene	7.722	146	1495805	56.653	ng		99
15) Benzyl Alcohol	7.634	79	1258590	60.184	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1768027	54.811	ng		99
17) 2-Methylphenol	7.839	107	1134669	58.008	ng		99
18) Hexachloroethane	8.428	117	639660	59.012	ng		100
19) n-Nitroso-di-n-propyla...	8.192	70	1096068	55.379	ng		99
20) 3+4-Methylphenols	8.169	107	1605895	58.726	ng		99
22) Acetophenone	8.198	105	2070558	56.185	ng	#	98
24) Nitrobenzene	8.569	77	1733451	56.777	ng		100
25) Isophorone	9.098	82	3108196	58.876	ng		98
26) 2-Nitrophenol	9.269	139	865172	63.987	ng		97
27) 2,4-Dimethylphenol	9.345	122	957294	60.441	ng		98
28) bis(2-Chloroethoxy)met...	9.581	93	1895700	57.068	ng		99
29) 2,4-Dichlorophenol	9.798	162	1451562	61.767	ng		100
30) 1,2,4-Trichlorobenzene	10.004	180	1589392	59.763	ng		99
31) Naphthalene	10.186	128	4415000	58.049	ng		100
32) Benzoic acid	9.575	122	1248981	67.498	ng		99
33) 4-Chloroaniline	10.316	127	1718710	58.764	ng		100
34) Hexachlorobutadiene	10.469	225	965378	62.017	ng		100
35) Caprolactam	11.151	113	503257m	61.664	ng		
36) 4-Chloro-3-methylphenol	11.463	107	1512201	60.420	ng		100
37) 2-Methylnaphthalene	11.810	142	3194966	59.000	ng		99
38) 1-Methylnaphthalene	12.033	142	3159405	59.033	ng		97
40) 1,2,4,5-Tetrachloroben...	12.192	216	1663474	61.523	ng		99
41) Hexachlorocyclopentadiene	12.169	237	620612	65.733	ng		97
43) 2,4,6-Trichlorophenol	12.451	196	1202229	62.557	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047146.D
Acq On : 10 Aug 2024 17:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Aug 11 23:35:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

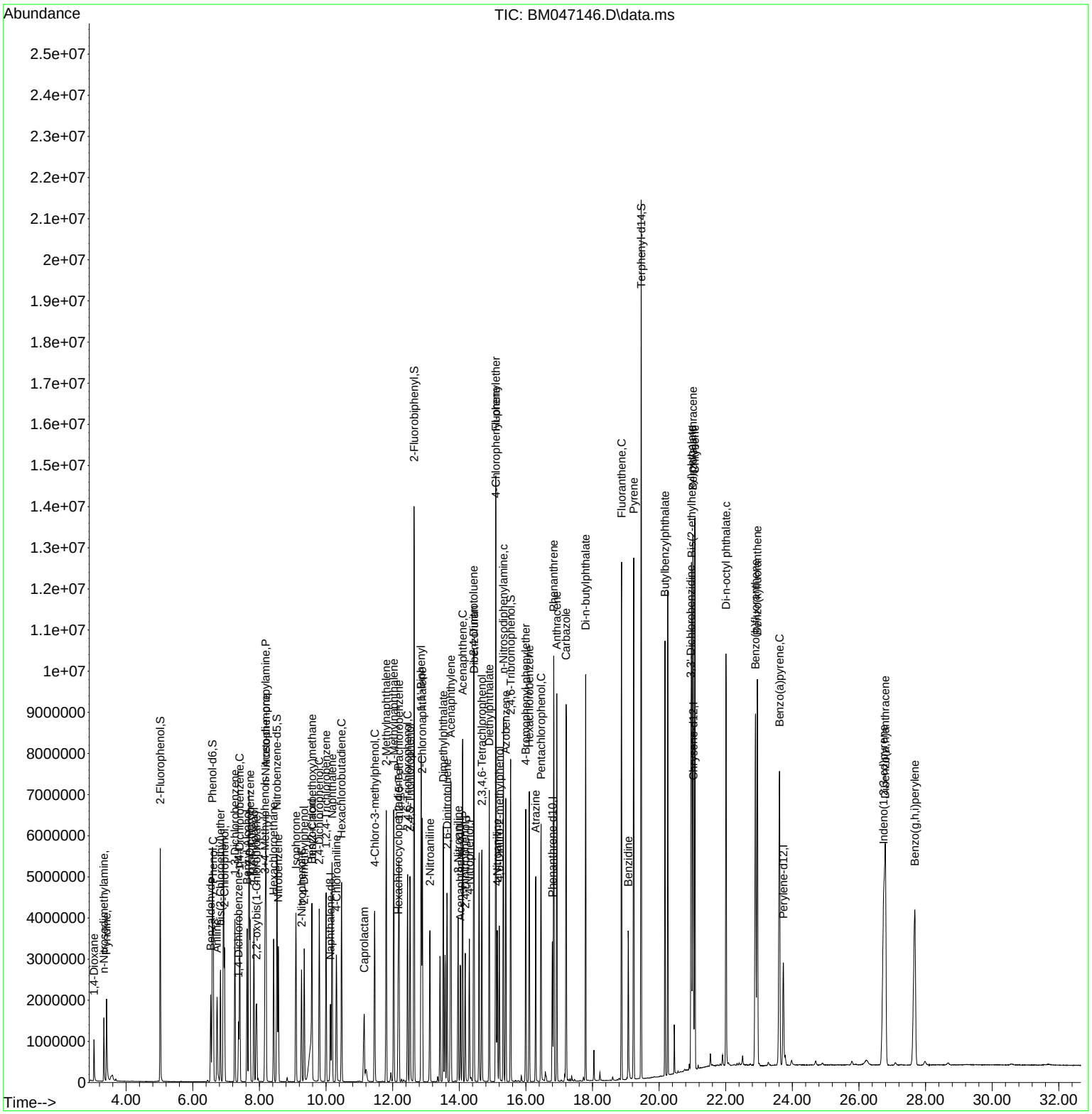
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	1329069	62.287	ng		98
46) 1,1'-Biphenyl	12.857	154	4126067	58.466	ng		99
47) 2-Chloronaphthalene	12.892	162	3192787	57.882	ng		99
48) 2-Nitroaniline	13.121	65	1051464	60.847	ng		100
49) Acenaphthylene	13.751	152	4765674	58.613	ng		100
50) Dimethylphthalate	13.521	163	4059126	58.629	ng		99
51) 2,6-Dinitrotoluene	13.633	165	995456	61.508	ng		96
52) Acenaphthene	14.104	154	3025820	58.668	ng		99
53) 3-Nitroaniline	13.969	138	1000744	61.708	ng		100
54) 2,4-Dinitrophenol	14.180	184	647477	66.750	ng		97
55) Dibenzofuran	14.445	168	4709496	57.809	ng		99
56) 4-Nitrophenol	14.304	139	879989	62.927	ng		96
57) 2,4-Dinitrotoluene	14.433	165	1323234	61.255	ng		98
58) Fluorene	15.098	166	3885304	57.801	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.680	232	1088974	62.097	ng		98
60) Diethylphthalate	14.904	149	4128072	58.389	ng		99
61) 4-Chlorophenyl-phenyle...	15.104	204	1916971	59.903	ng		96
62) 4-Nitroaniline	15.145	138	978393	61.238	ng		99
63) Azobenzene	15.398	77	3820106	56.986	ng		98
65) 4,6-Dinitro-2-methylph...	15.204	198	799367	65.573	ng		96
66) n-Nitrosodiphenylamine	15.327	169	3326078	58.648	ng		99
67) 4-Bromophenyl-phenylether	15.998	248	1234868	61.547	ng		98
68) Hexachlorobenzene	16.104	284	1431249	59.562	ng		97
69) Atrazine	16.298	200	906491	53.118	ng		99
70) Pentachlorophenol	16.457	266	1086504	64.503	ng		99
71) Phenanthrene	16.839	178	6082429	58.208	ng		100
72) Anthracene	16.933	178	6001835	59.030	ng		99
73) Carbazole	17.209	167	5990202	57.702	ng		100
74) Di-n-butylphthalate	17.798	149	7121063	58.952	ng		100
75) Fluoranthene	18.874	202	7540518	59.328	ng		99
77) Benzidine	19.074	184	2113957	68.768	ng		100
78) Pyrene	19.239	202	7862143	60.744	ng		100
80) Butylbenzylphthalate	20.180	149	3347760	63.380	ng		96
81) Benzo(a)anthracene	21.015	228	7197782	59.814	ng		99
82) 3,3'-Dichlorobenzidine	20.956	252	2319044	61.593	ng		99
83) Chrysene	21.074	228	6712104	58.790	ng		99
84) Bis(2-ethylhexyl)phtha...	20.980	149	4599112	61.396	ng	#	99
85) Di-n-octyl phthalate	22.009	149	8171642	64.180	ng		99
87) Indeno(1,2,3-cd)pyrene	26.744	276	7917132	56.929	ng		99
88) Benzo(b)fluoranthene	22.897	252	7789248	60.962	ng		99
89) Benzo(k)fluoranthene	22.950	252	7202578	59.680	ng		99
90) Benzo(a)pyrene	23.615	252	6751397	60.997	ng		99
91) Dibenzo(a,h)anthracene	26.791	278	6367453	56.576	ng		100
92) Benzo(g,h,i)perylene	27.679	276	6483852	55.488	ng		99

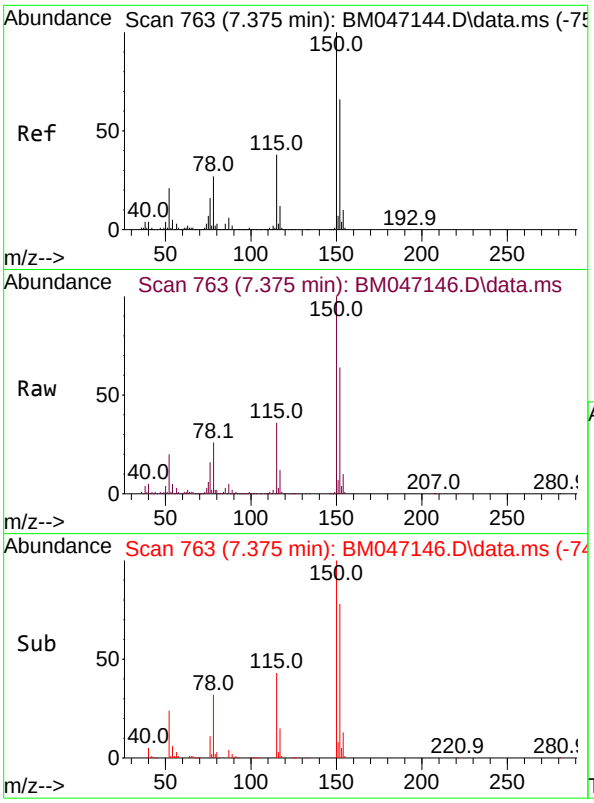
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047146.D
Acq On : 10 Aug 2024 17:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Aug 11 23:35:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



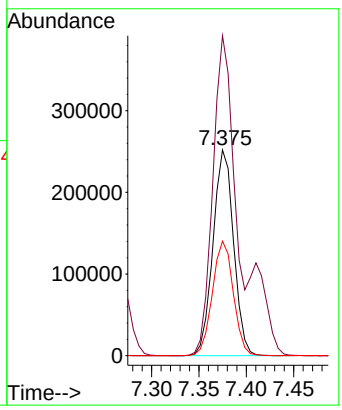


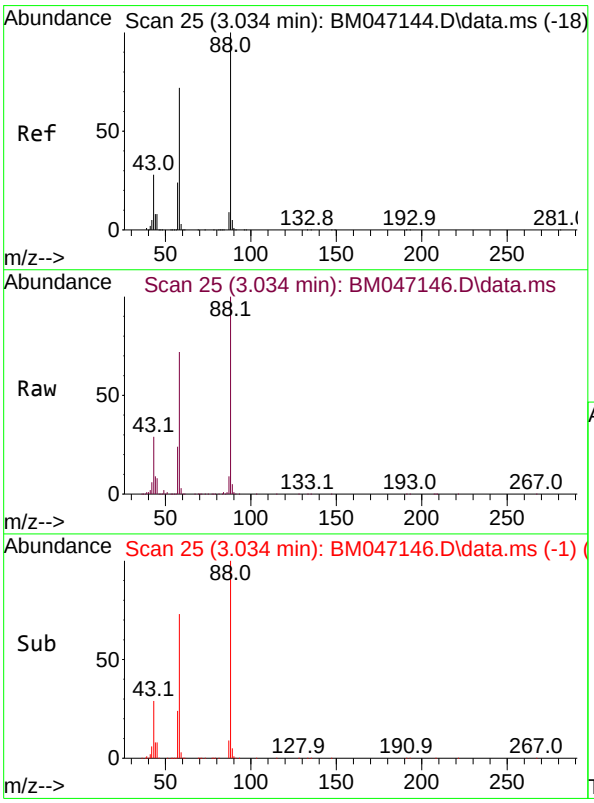
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 381037

Ion	Ratio	Lower	Upper
152	100		
150	155.6	120.5	180.7
115	55.7	45.5	68.3

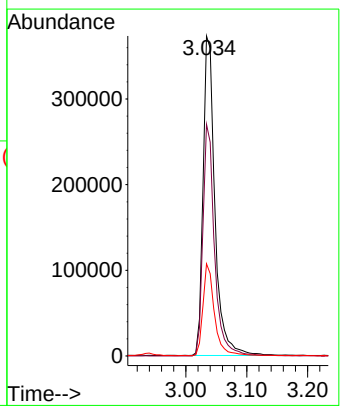


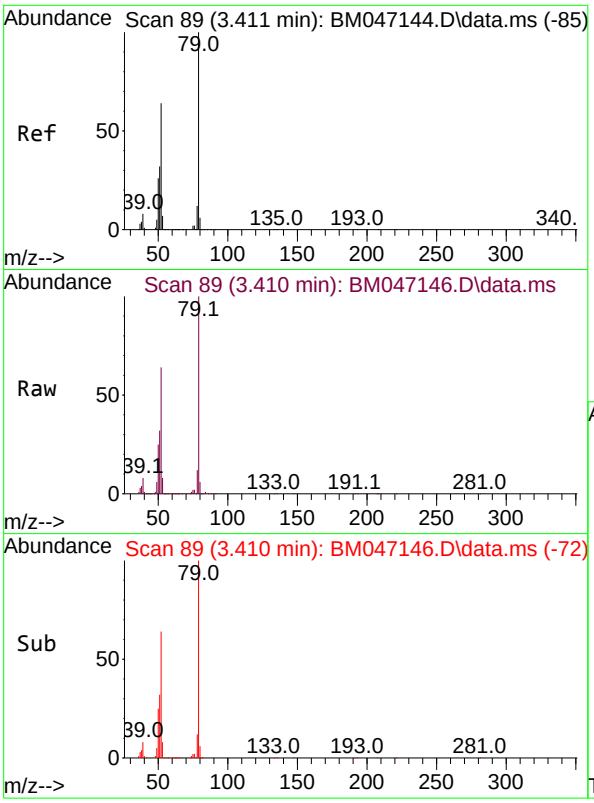


#2
1,4-Dioxane
Concen: 57.225 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 88 Resp: 505618

Ion	Ratio	Lower	Upper
88	100		
58	71.2	58.2	87.4
43	27.9	22.5	33.7



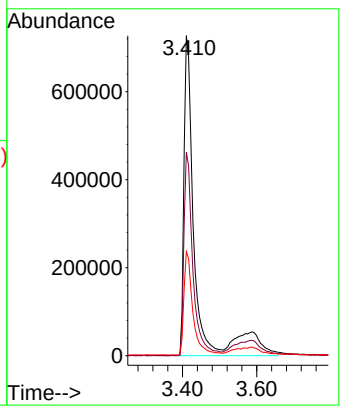


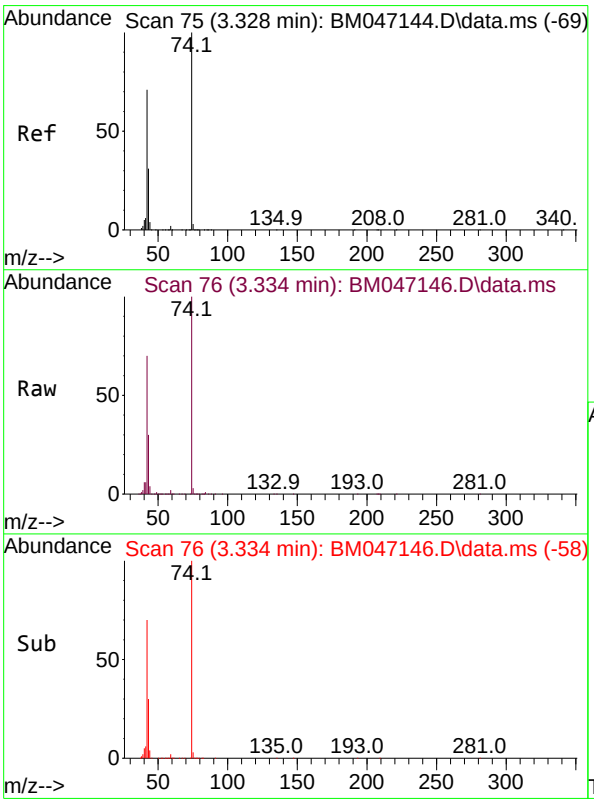
#3
Pyridine
Concen: 58.377 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1511433

Ion	Ratio	Lower	Upper
79	100		
52	63.6	51.2	76.8
51	32.5	26.1	39.1

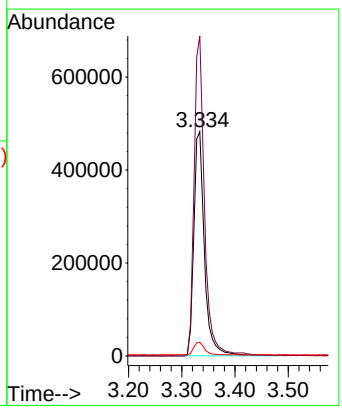


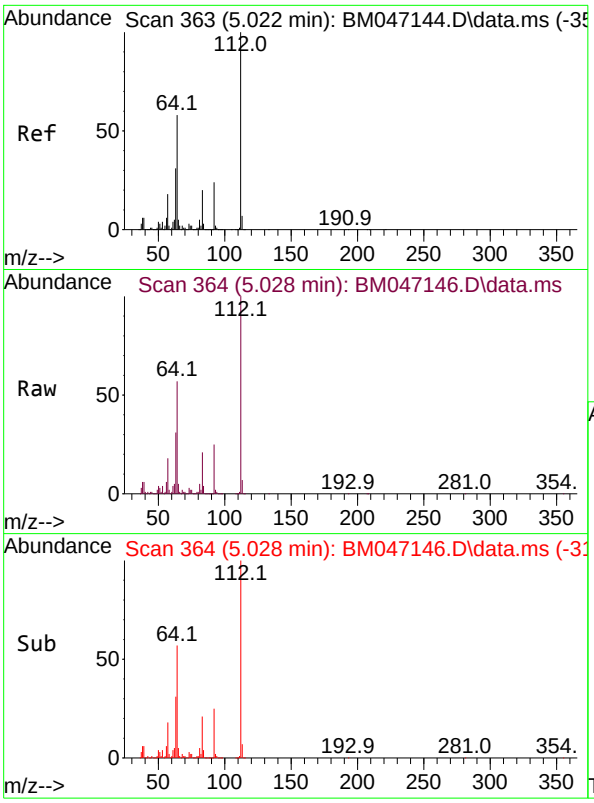


#4
n-Nitrosodimethylamine
Concen: 58.875 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 42 Resp: 666445

Ion	Ratio	Lower	Upper
42	100		
74	142.7	112.9	169.3
44	6.1	5.3	7.9



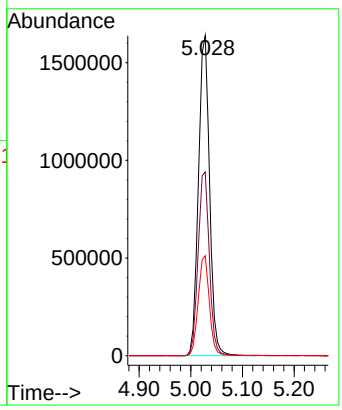


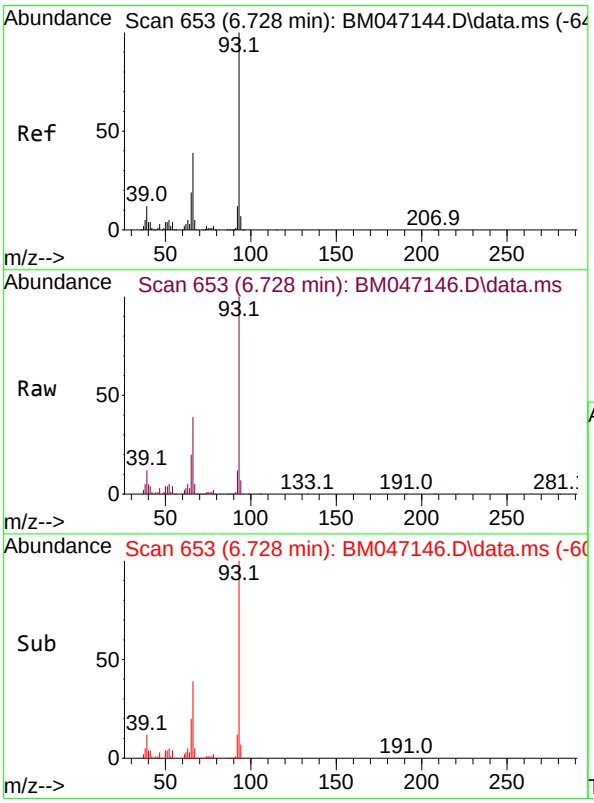
#5
2-Fluorophenol
Concen: 114.860 ng
RT: 5.028 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2449346

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.7	70.1
63	31.3	24.8	37.2

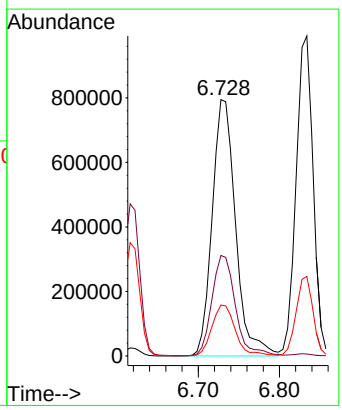


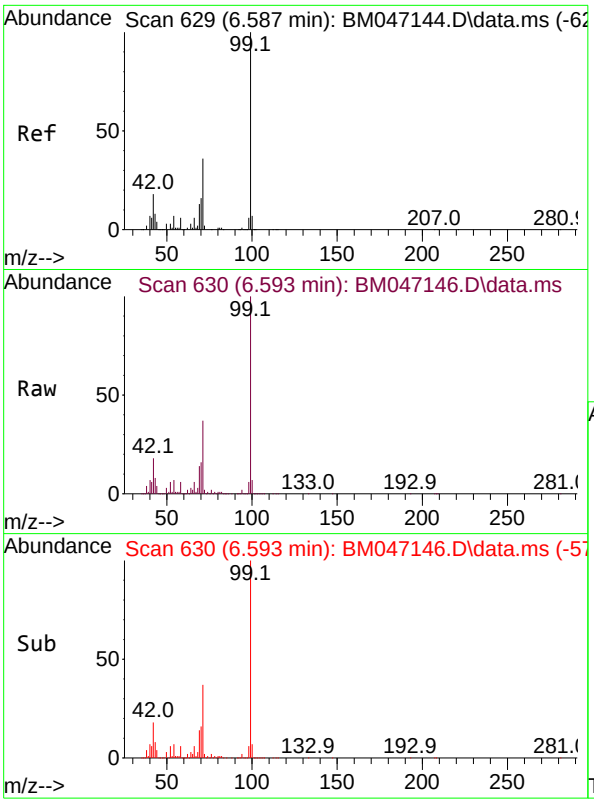


#6
Aniline
Concen: 57.431 ng
RT: 6.728 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 93 Resp: 1595030

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.4	47.2
65	19.9	15.6	23.4



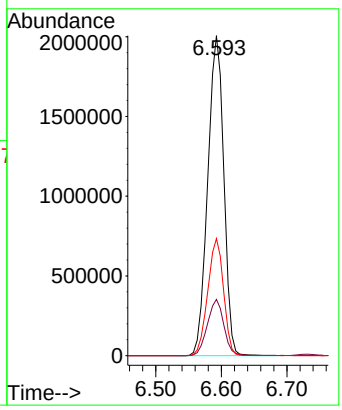


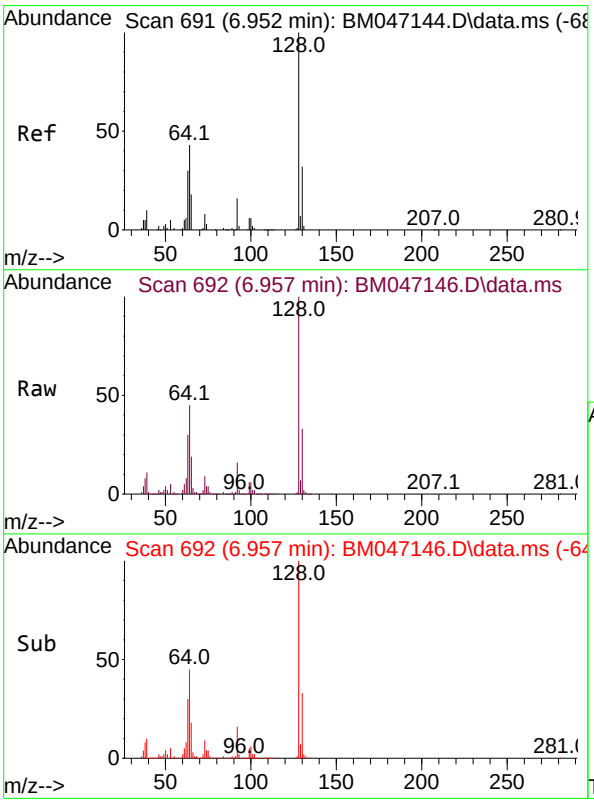
#7
Phenol-d6
Concen: 116.214 ng
RT: 6.593 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 3414785

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.1	21.1
71	36.6	28.5	42.7

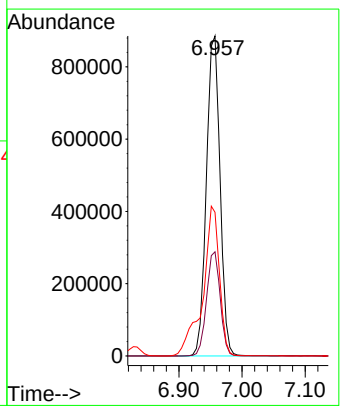


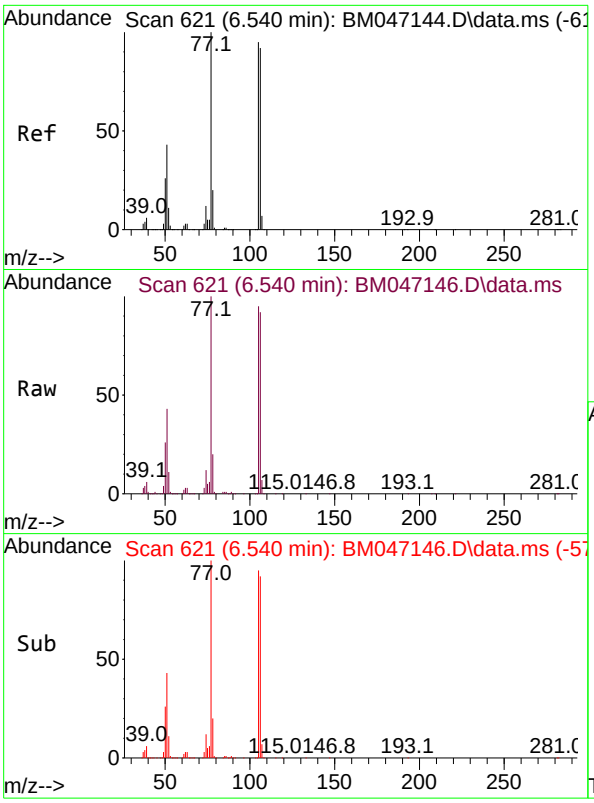


#8
2-Chlorophenol
Concen: 57.317 ng
RT: 6.957 min Scan# 692
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:128 Resp: 1333099

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.1	52.1
64	44.9	26.6	66.6



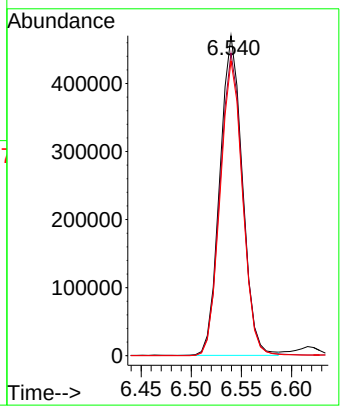


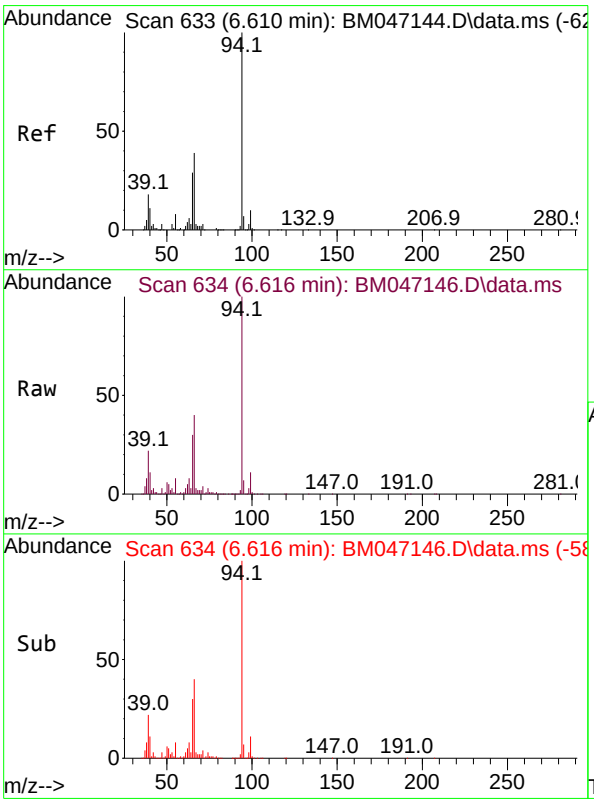
#9
Benzaldehyde
Concen: 58.359 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 733143

Ion	Ratio	Lower	Upper
77	100		
105	94.6	74.5	114.5
106	92.1	72.3	112.3

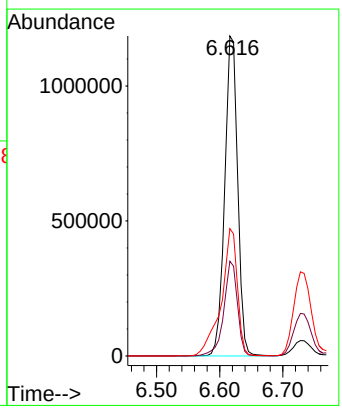


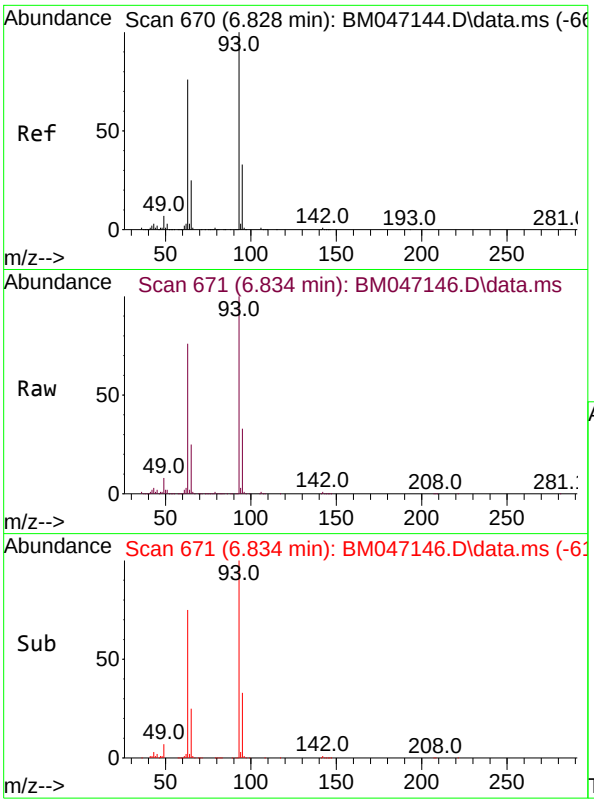


#10
Phenol
Concen: 57.586 ng
RT: 6.616 min Scan# 634
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 94 Resp: 1688399

Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.0	49.0
66	39.8	18.9	58.9



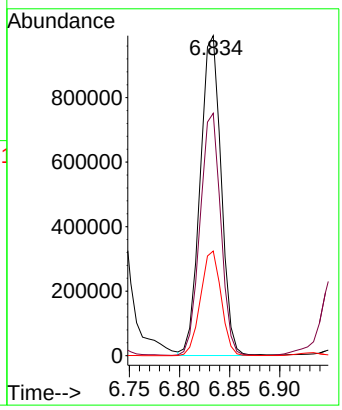


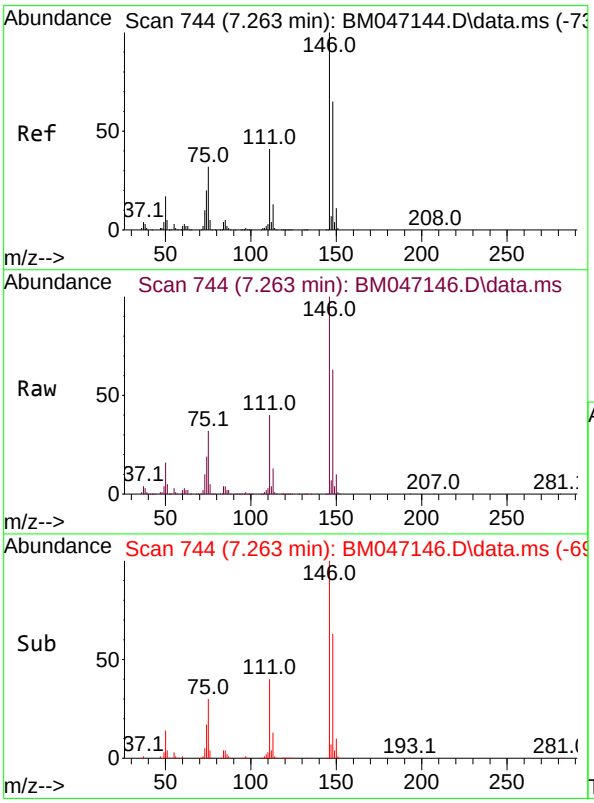
#11
bis(2-Chloroethyl)ether
Concen: 57.623 ng
RT: 6.834 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1446822

Ion	Ratio	Lower	Upper
93	100		
63	75.7	55.8	95.8
95	32.7	12.7	52.7

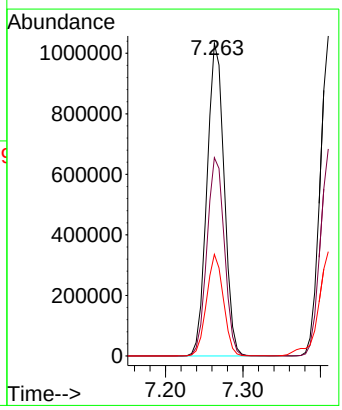


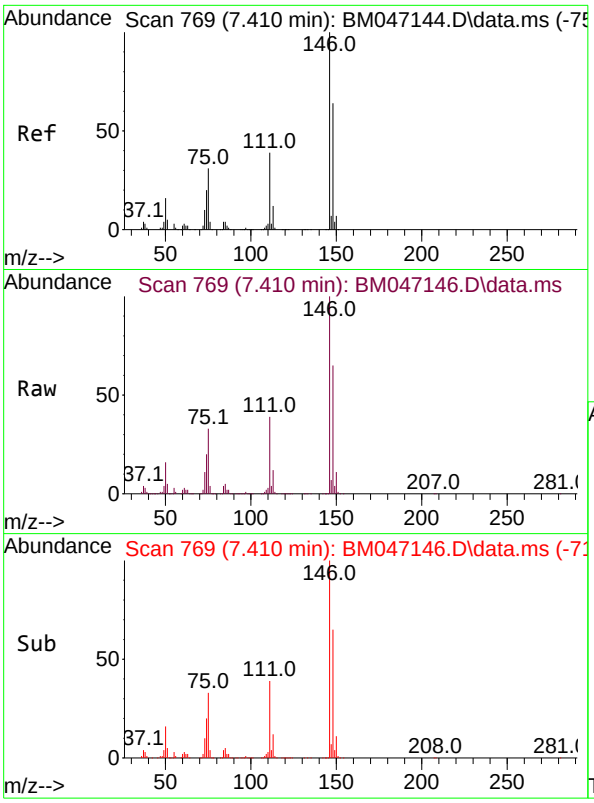


#12
1,3-Dichlorobenzene
Concen: 57.619 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:146 Resp: 1592469

Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.3	78.5
75	32.5	25.8	38.6



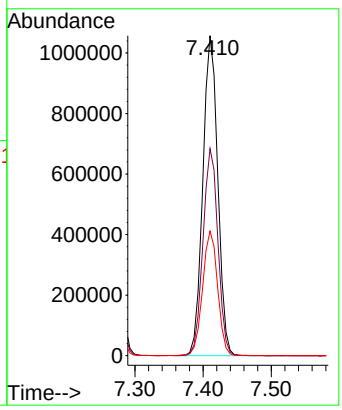


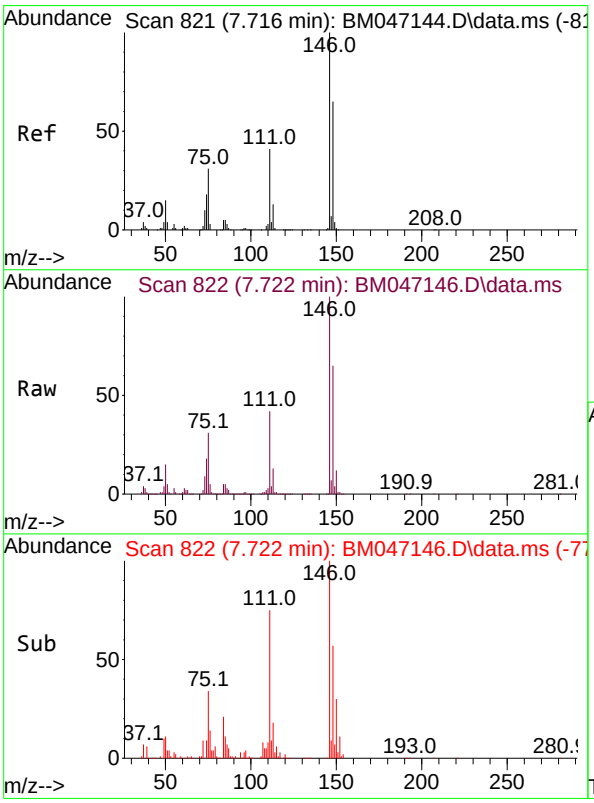
#13
1,4-Dichlorobenzene
Concen: 57.691 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1614359

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	38.9	31.5	47.3

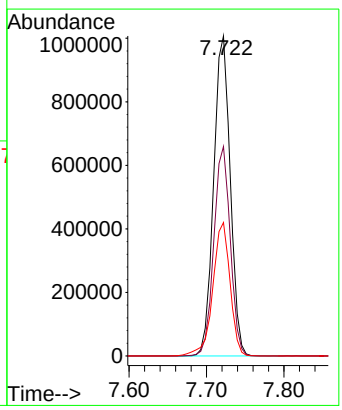


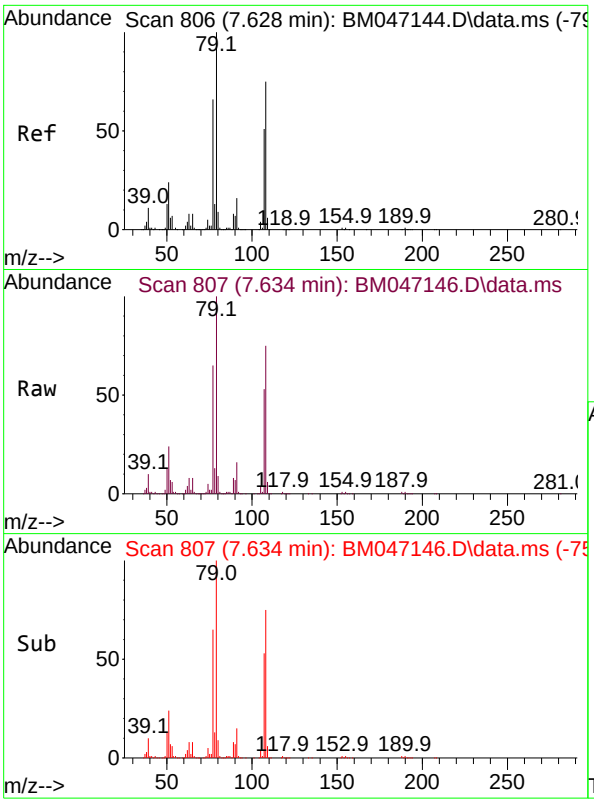


#14
1,2-Dichlorobenzene
Concen: 56.653 ng
RT: 7.722 min Scan# 822
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:146 Resp: 1495805

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.8
111	41.7	33.3	49.9



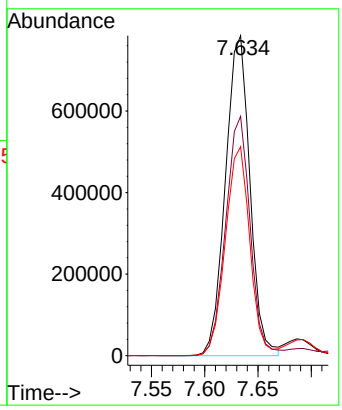


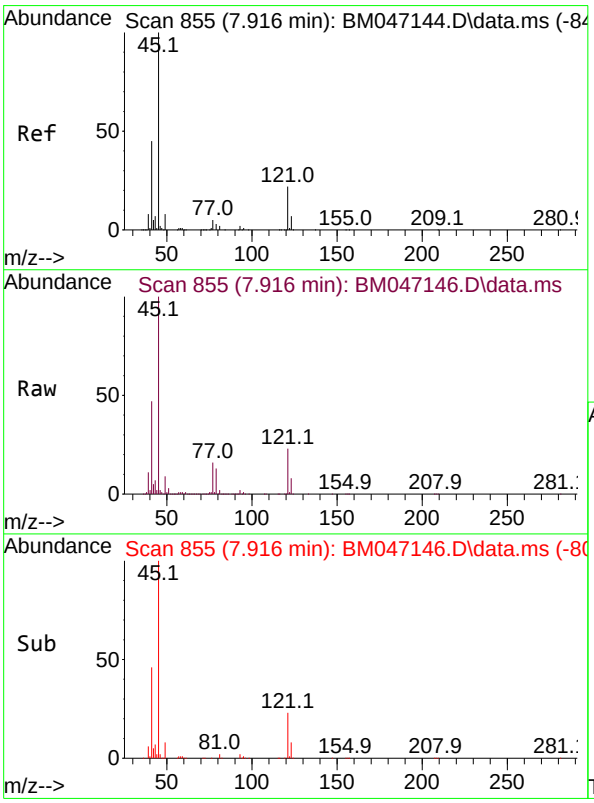
#15
Benzyl Alcohol
Concen: 60.184 ng
RT: 7.634 min Scan# 80
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1258590

Ion	Ratio	Lower	Upper
79	100		
108	74.8	59.7	89.5
77	65.3	52.9	79.3

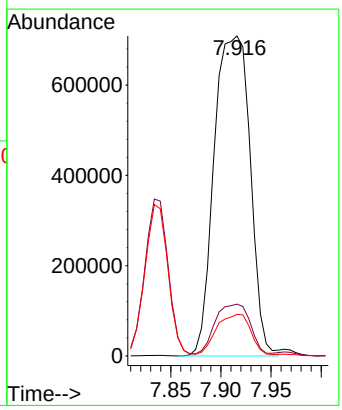


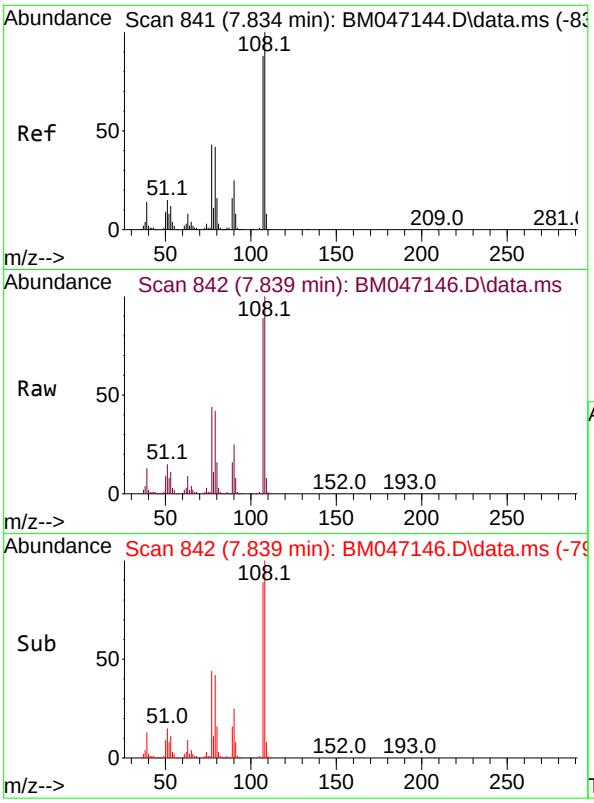


#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.811 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 45 Resp: 1768027

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	35.6
79	13.0	0.0	32.4



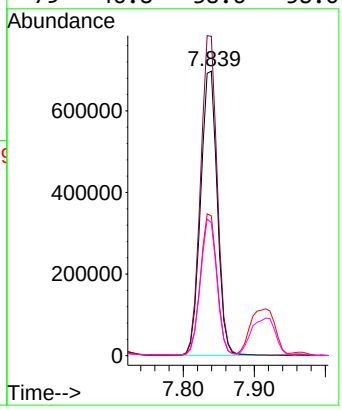


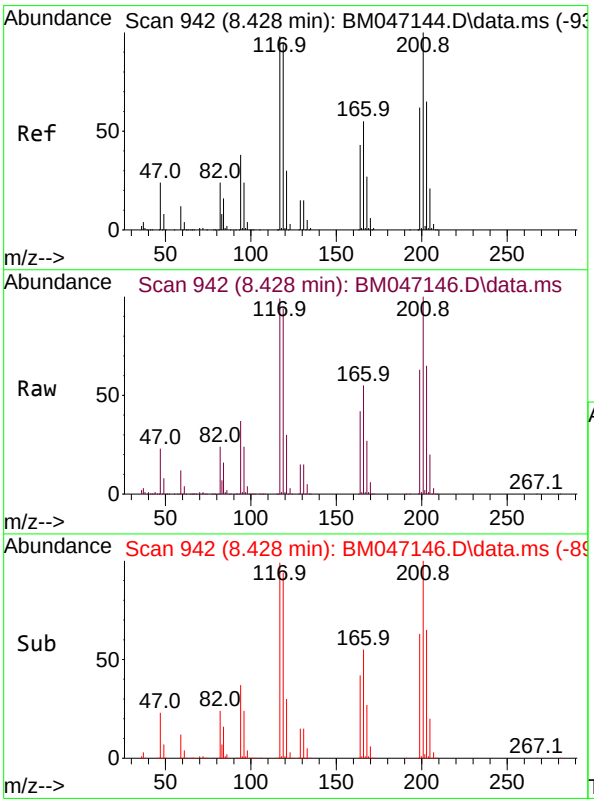
#17
2-Methylphenol
Concen: 58.008 ng
RT: 7.839 min Scan# 84
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 1134669

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.6	135.8
77	49.2	39.3	58.9
79	46.8	38.6	58.0

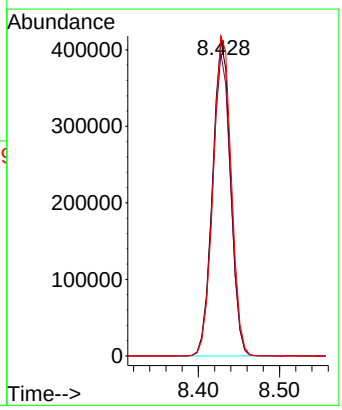


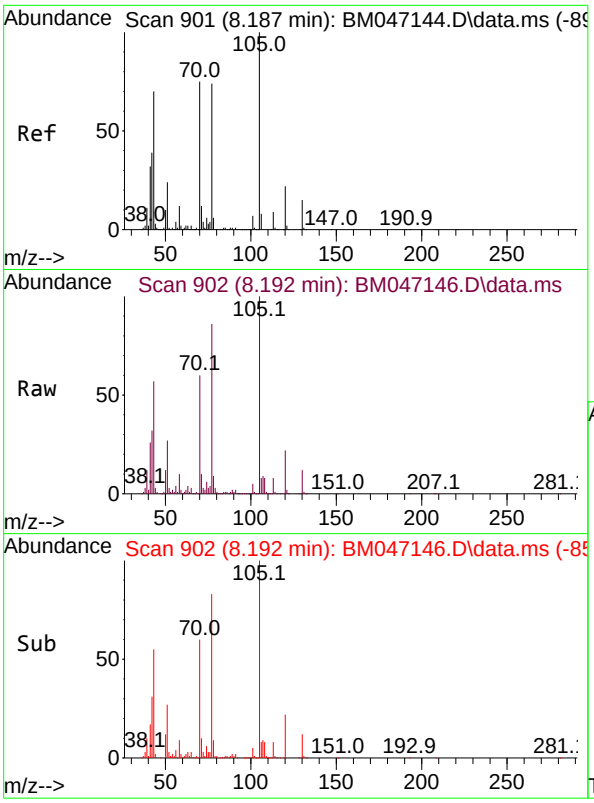


#18
Hexachloroethane
Concen: 59.012 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:117 Resp: 639660

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	101.2	81.3	121.9



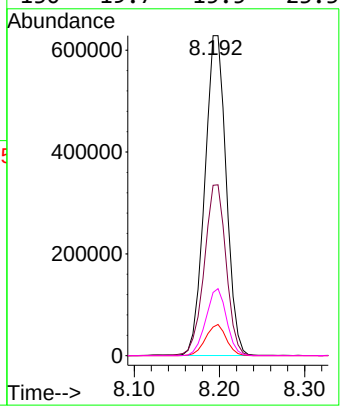


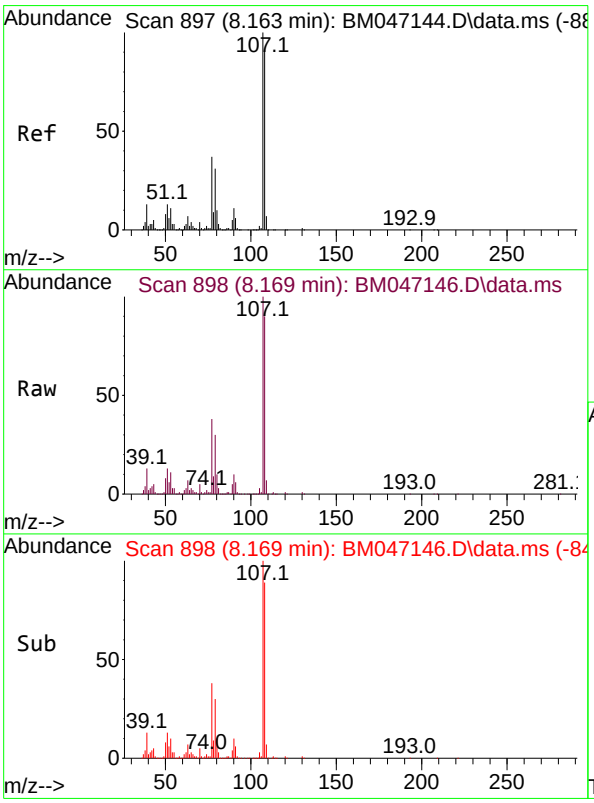
#19
n-Nitroso-di-n-propylamine
Concen: 55.379 ng
RT: 8.192 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 1096068

Ion	Ratio	Lower	Upper
70	100		
42	53.3	42.0	63.0
101	9.0	7.2	10.8
130	19.7	15.5	23.3

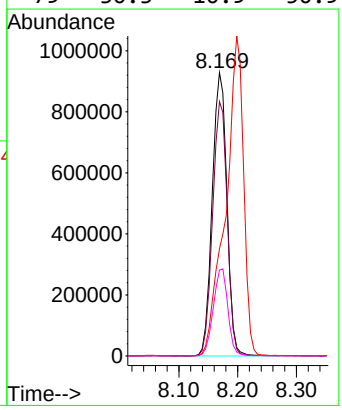


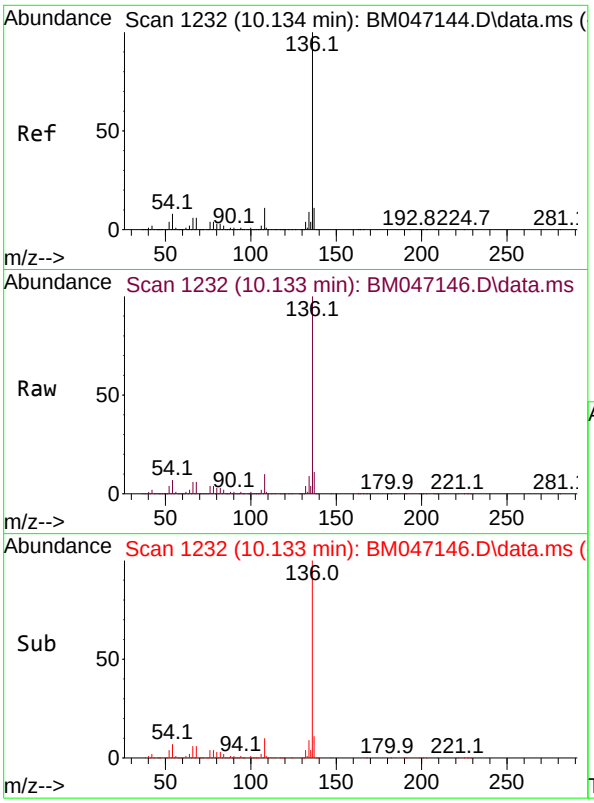


#20
3+4-Methylphenols
Concen: 58.726 ng
RT: 8.169 min Scan# 898
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:107 Resp: 1605895

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.7	110.7
77	37.8	17.4	57.4
79	30.3	10.9	50.9



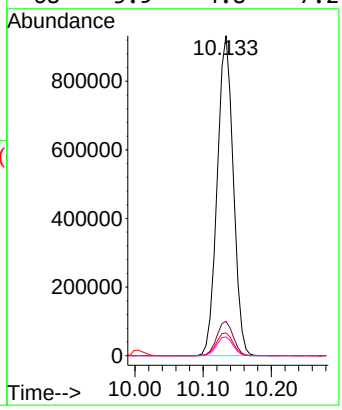


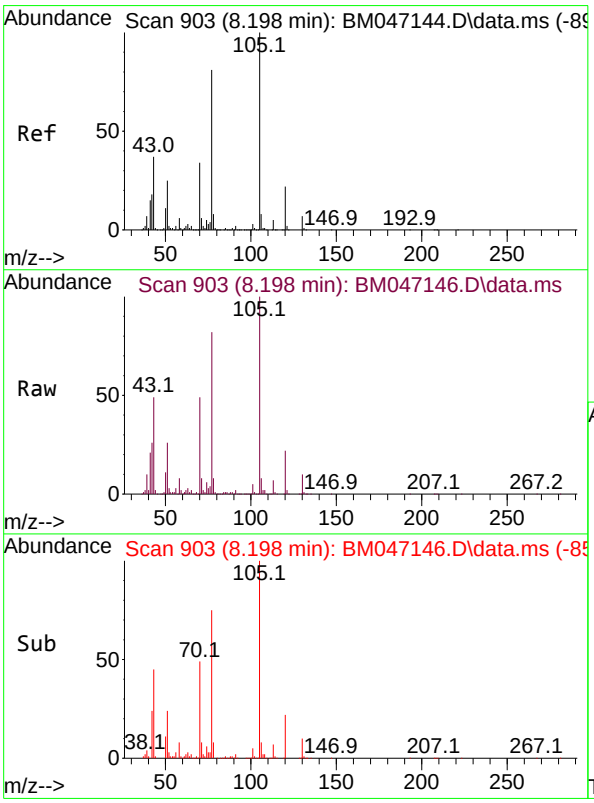
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1526728

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.1	6.0	9.0
68	5.9	4.8	7.2

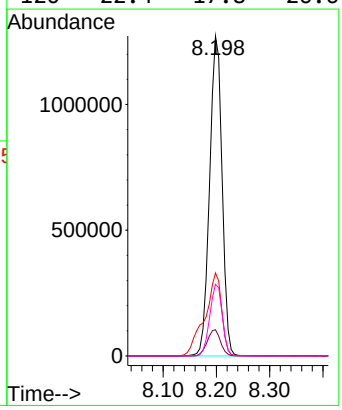


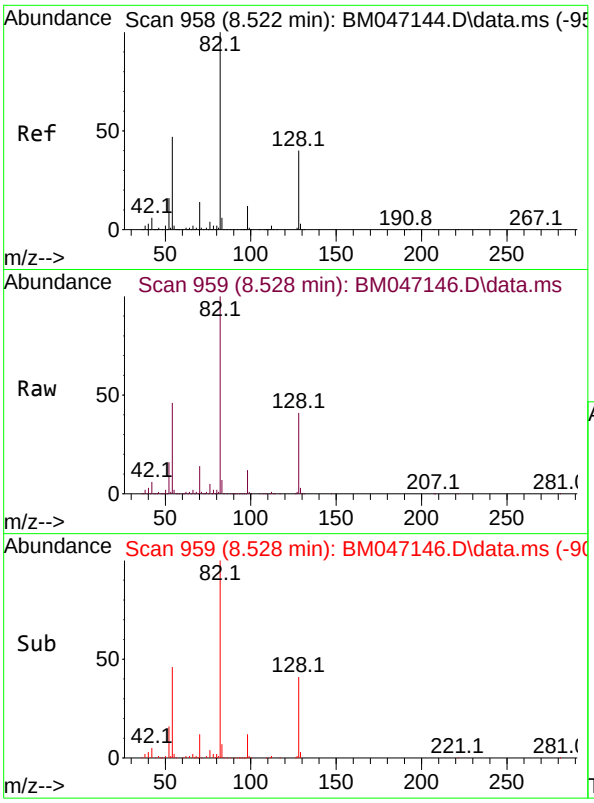


#22
Acetophenone
Concen: 56.185 ng
RT: 8.198 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:105 Resp: 2070558

Ion	Ratio	Lower	Upper
105	100		
71	8.2	4.5	6.7#
51	26.0	20.1	30.1
120	22.4	17.8	26.6



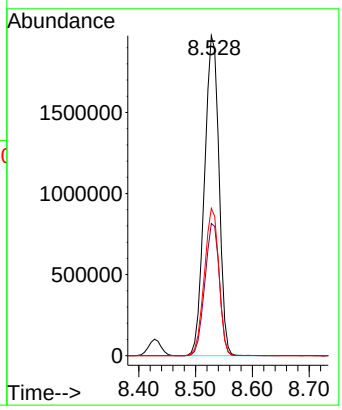


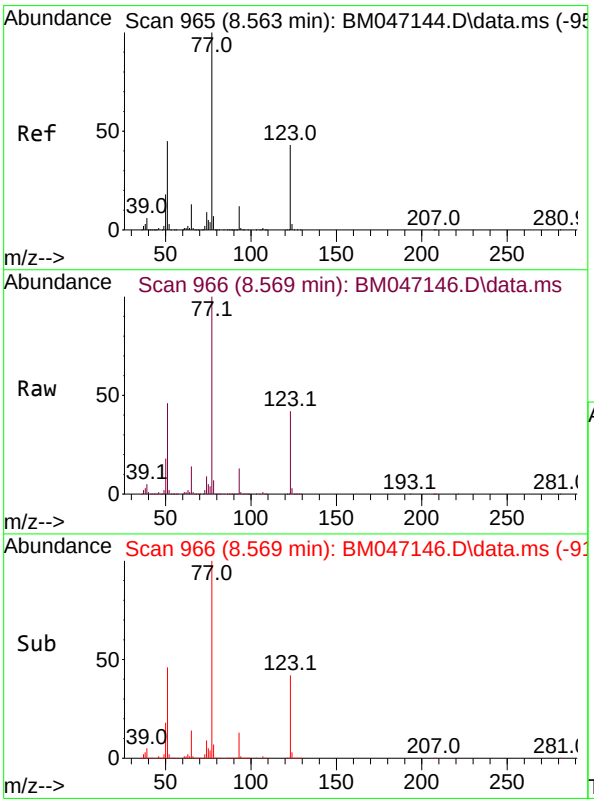
#23
Nitrobenzene-d5
Concen: 115.282 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 3495384

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.3	48.5
54	46.0	37.4	56.2

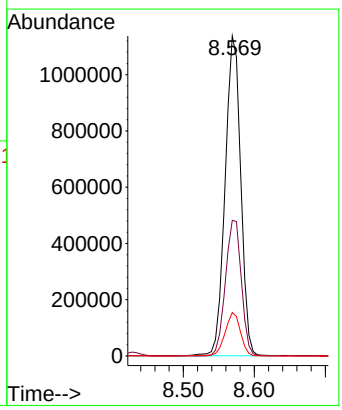


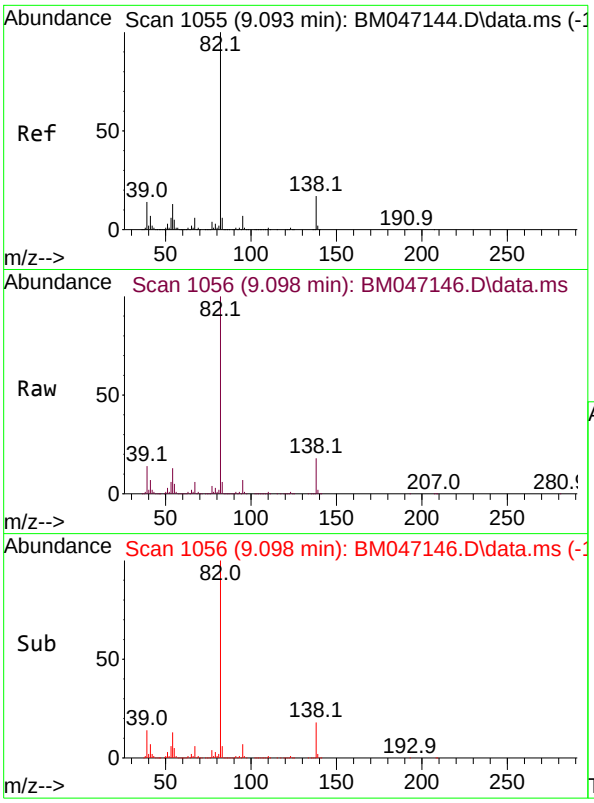


#24
Nitrobenzene
Concen: 56.777 ng
RT: 8.569 min Scan# 966
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 77 Resp: 1733451

Ion	Ratio	Lower	Upper
77	100		
123	42.4	34.0	51.0
65	13.6	10.5	15.7



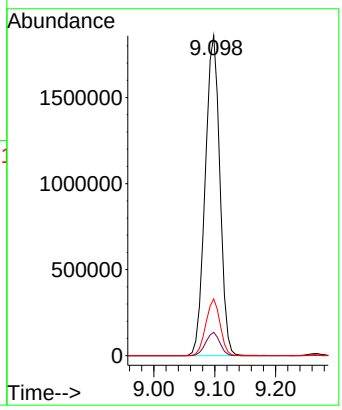


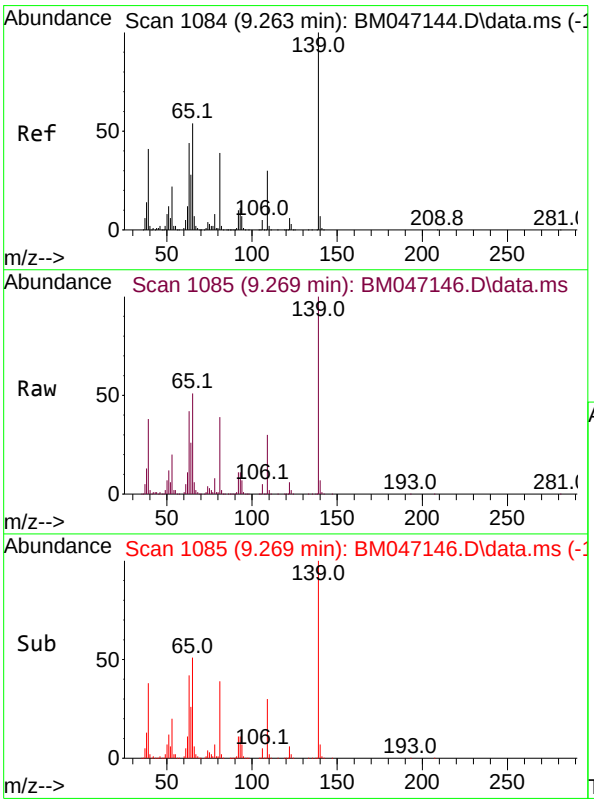
#25
Isophorone
Concen: 58.876 ng
RT: 9.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 3108196

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.7	13.5	20.3

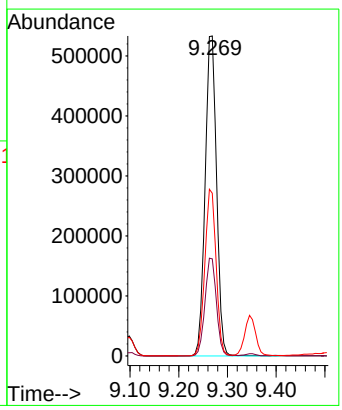


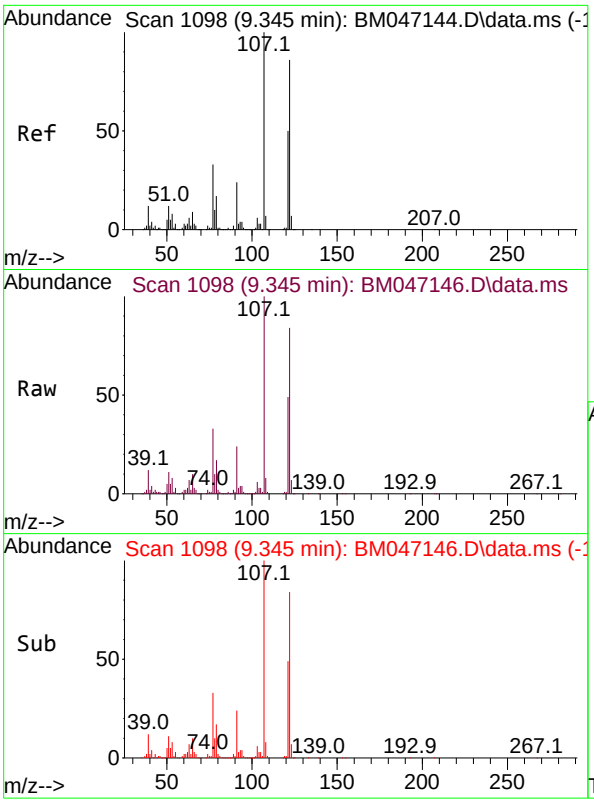


#26
2-Nitrophenol
Concen: 63.987 ng
RT: 9.269 min Scan# 1085
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:139 Resp: 865172

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.4	36.6
65	50.9	43.0	64.6



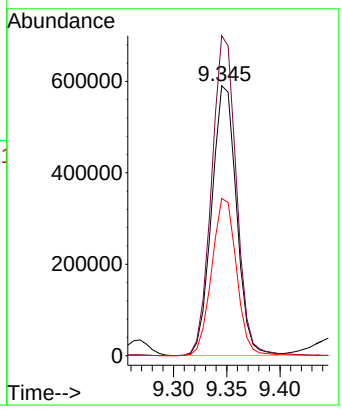


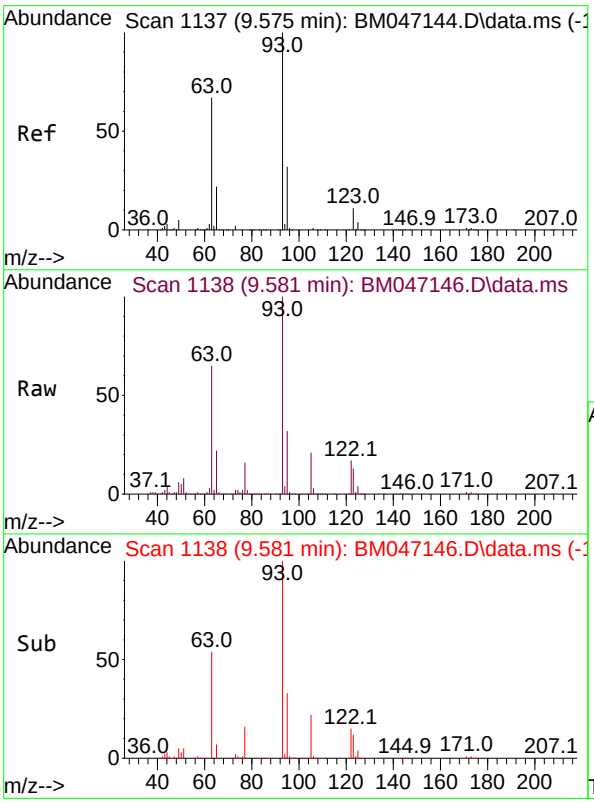
#27
2,4-Dimethylphenol
Concen: 60.441 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 957294

Ion	Ratio	Lower	Upper
122	100		
107	118.6	92.8	139.2
121	58.3	46.1	69.1

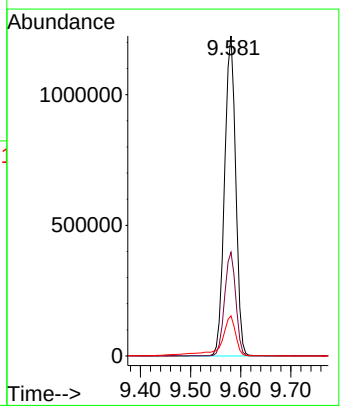


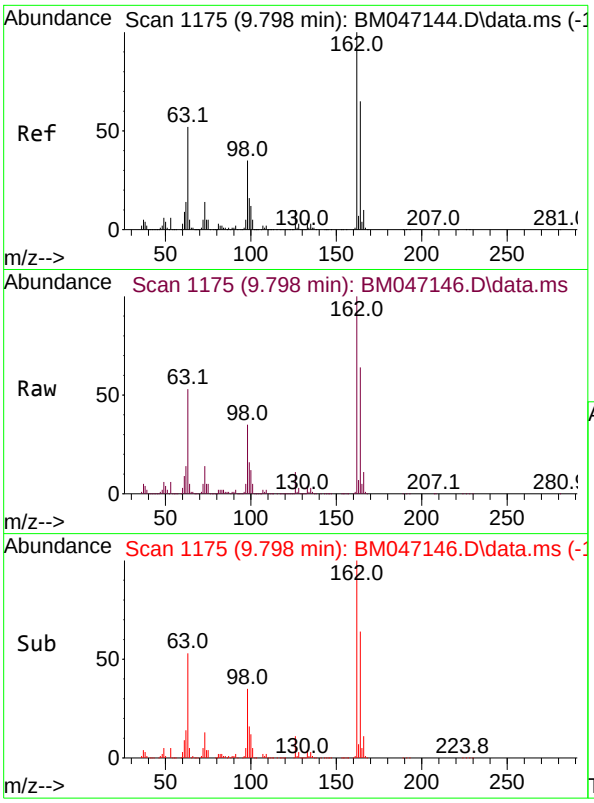


#28
bis(2-Chloroethoxy)methane
Concen: 57.068 ng
RT: 9.581 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 93 Resp: 1895700

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	12.6	9.0	13.4



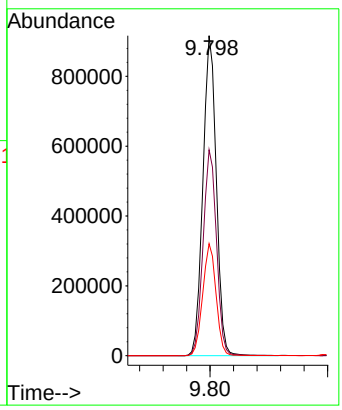


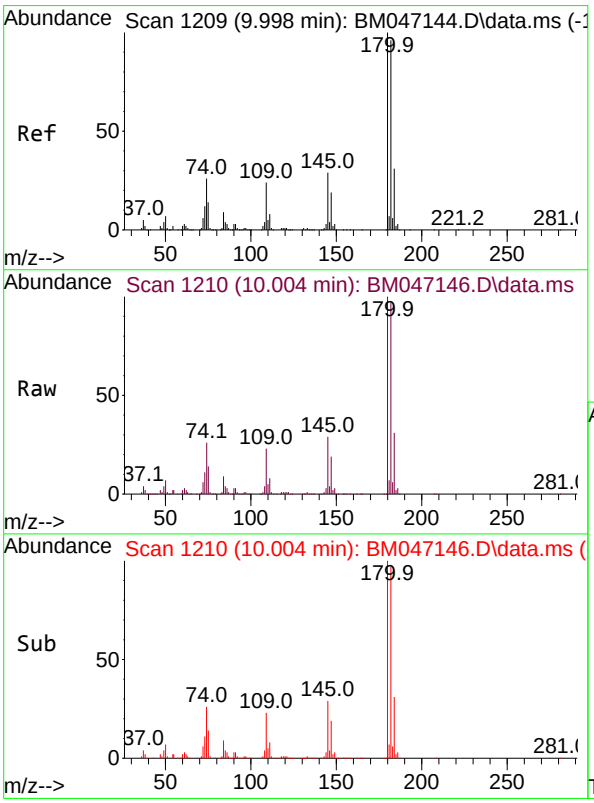
#29
2,4-Dichlorophenol
Concen: 61.767 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1451562

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.7	84.7
98	35.0	14.9	54.9

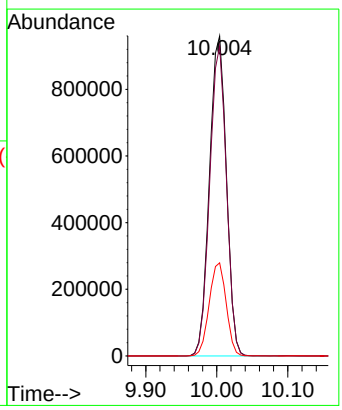


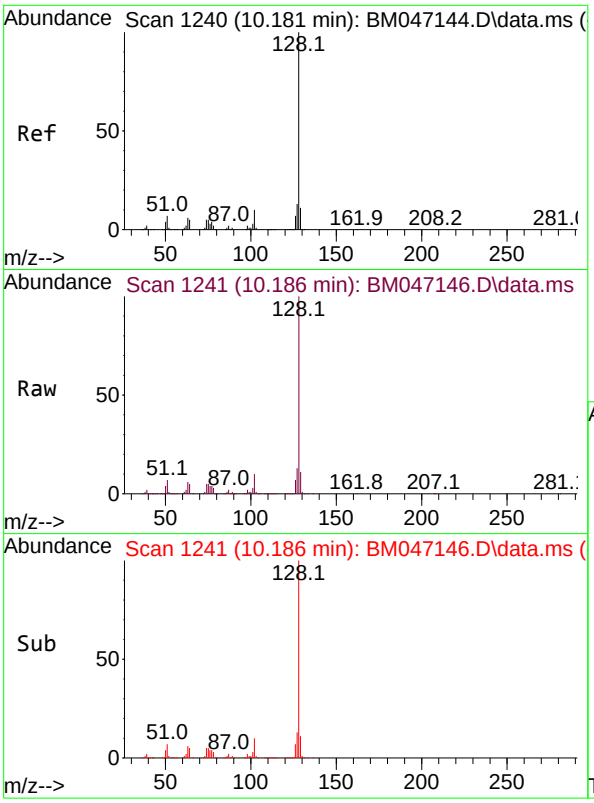


#30
1,2,4-Trichlorobenzene
Concen: 59.763 ng
RT: 10.004 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:180 Resp: 1589392

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.6	115.0
145	29.1	23.4	35.2



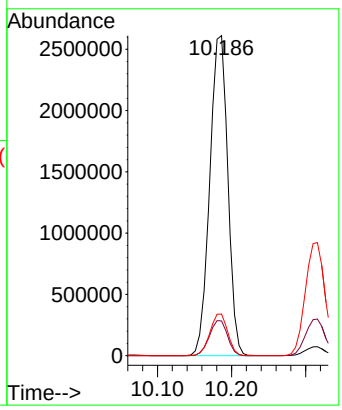


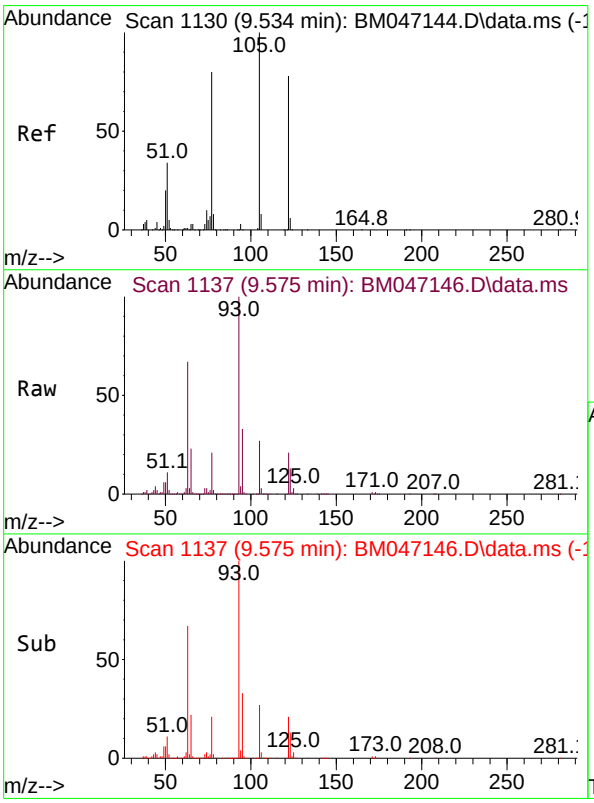
#31
Naphthalene
Concen: 58.049 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 4415000

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.2	15.4

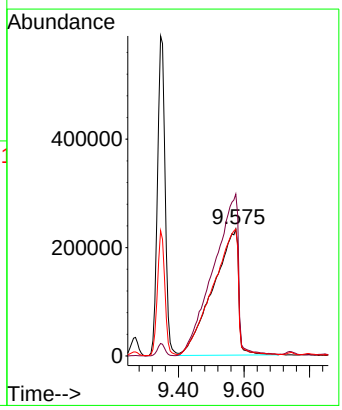


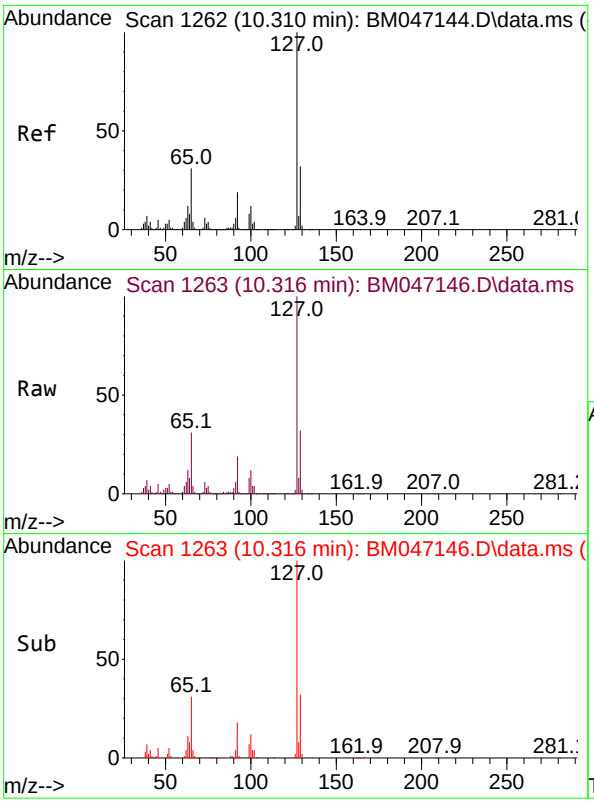


#32
Benzoic acid
Concen: 67.498 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.041 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:122 Resp: 1248981

Ion	Ratio	Lower	Upper
122	100		
105	127.7	107.1	147.1
77	100.2	82.1	122.1



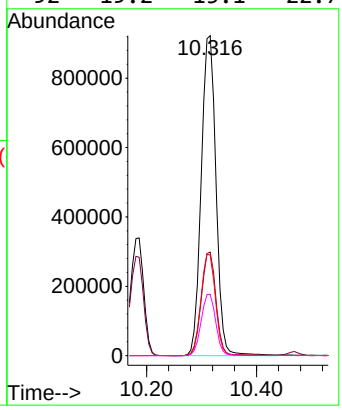


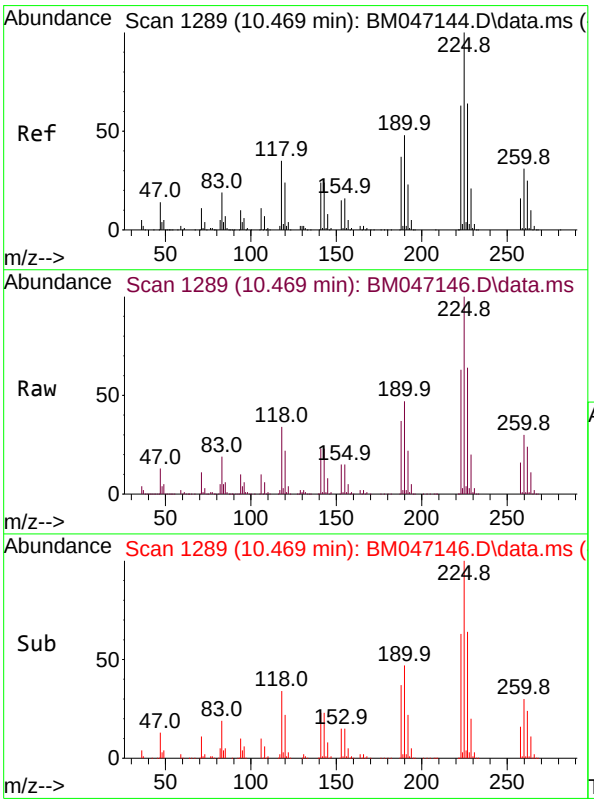
#33
4-Chloroaniline
Concen: 58.764 ng
RT: 10.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1718710

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.8
65	31.3	24.9	37.3
92	19.2	15.1	22.7

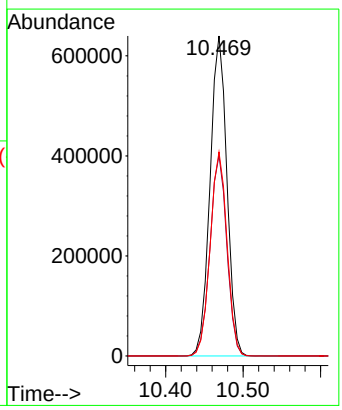


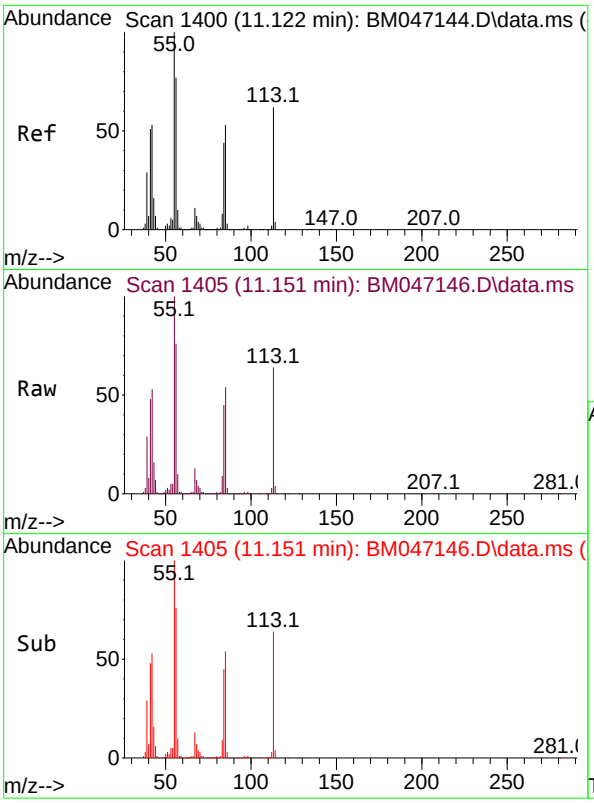


#34
Hexachlorobutadiene
Concen: 62.017 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:225 Resp: 965378

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.7	51.4	77.0



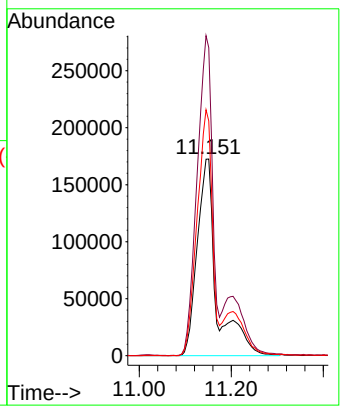


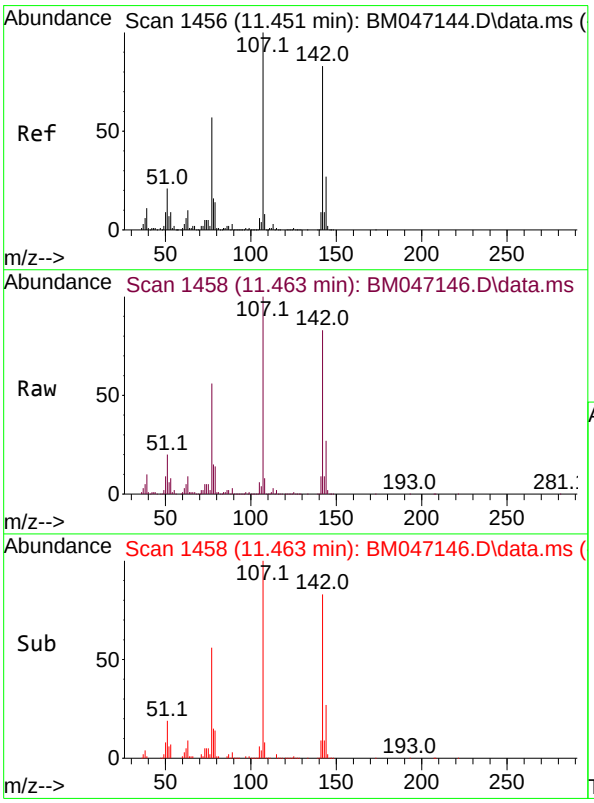
#35
Caprolactam
Concen: 61.664 ng m
RT: 11.151 min Scan# 14
Delta R.T. 0.029 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 503257

Ion	Ratio	Lower	Upper
113	100		
55	156.7	140.5	180.5
56	119.4	103.6	143.6

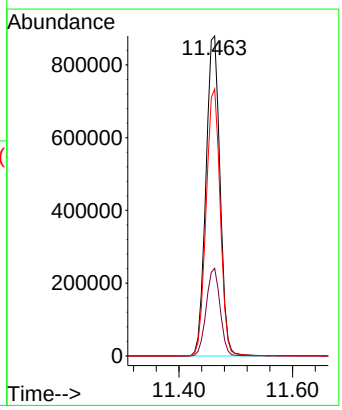


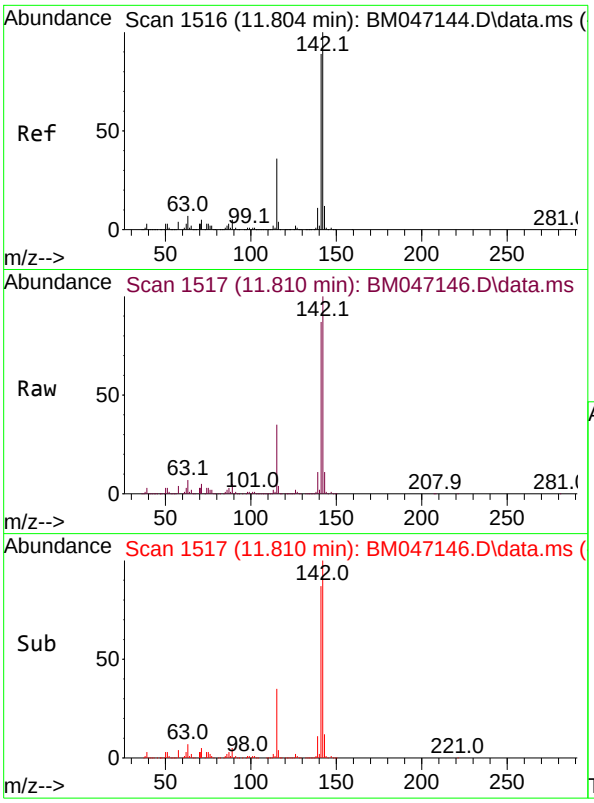


#36
4-Chloro-3-methylphenol
Concen: 60.420 ng
RT: 11.463 min Scan# 1458
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:107 Resp: 1512201

Ion	Ratio	Lower	Upper
107	100		
144	27.4	21.8	32.6
142	83.4	66.8	100.2



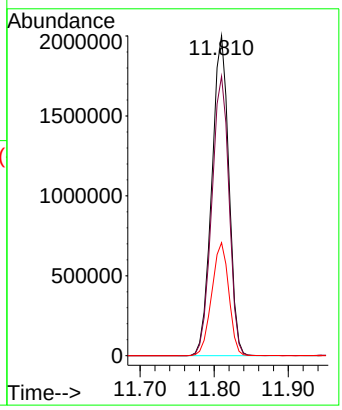


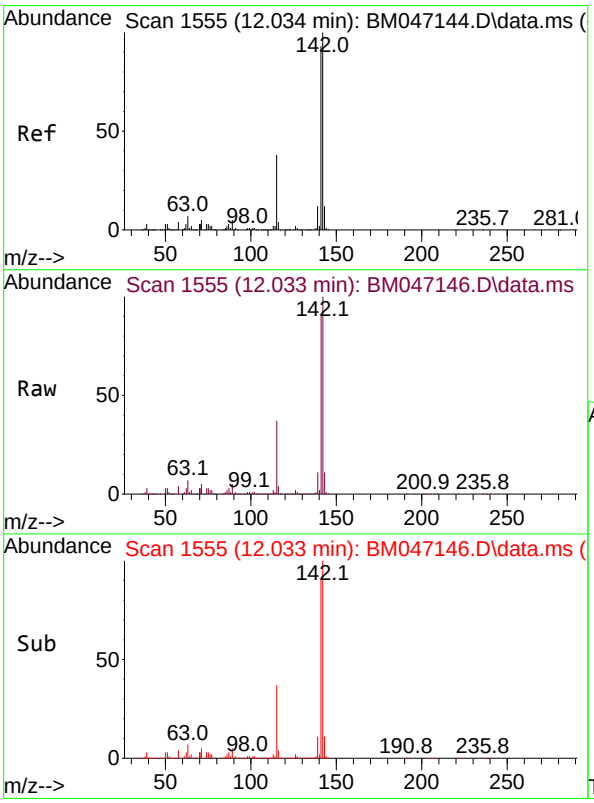
#37
2-Methylnaphthalene
Concen: 59.000 ng
RT: 11.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 3194966

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.9	106.3
115	35.3	28.7	43.1

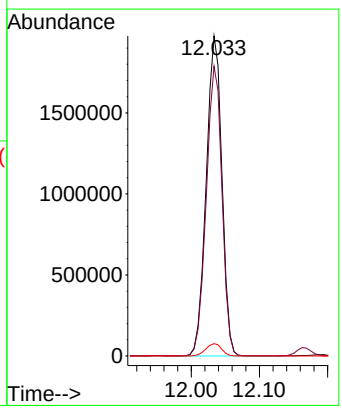


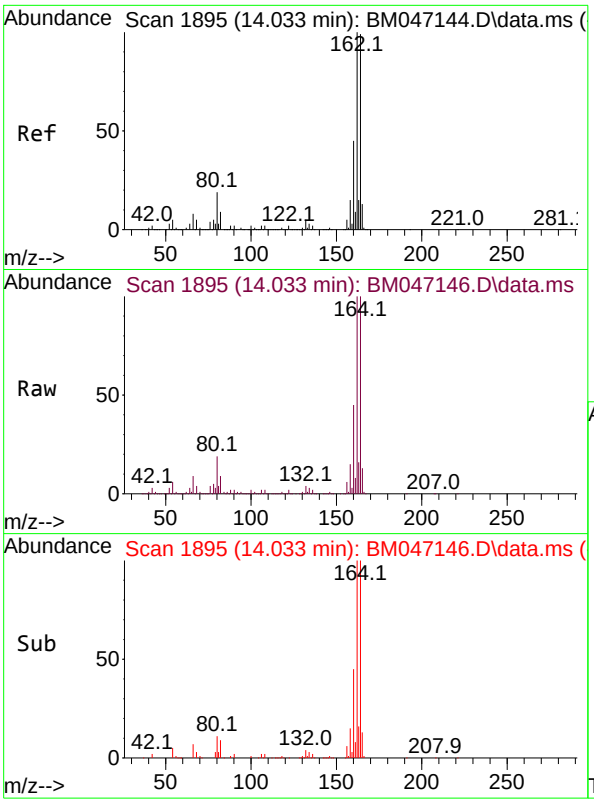


#38
1-Methylnaphthalene
Concen: 59.033 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:142 Resp: 3159405

Ion	Ratio	Lower	Upper
142	100		
141	90.5	74.6	111.8
116	3.9	3.1	4.7



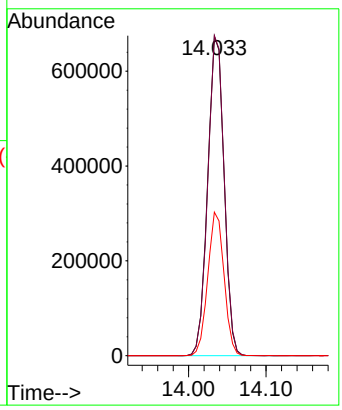


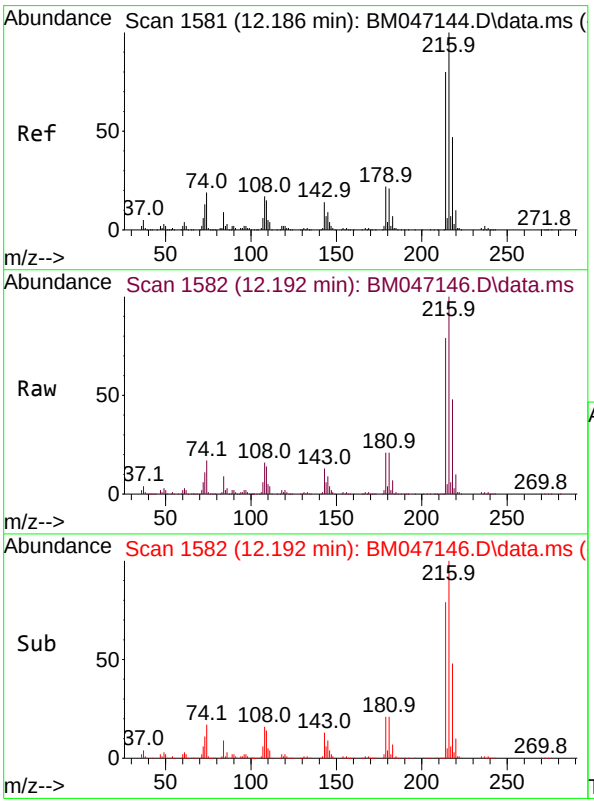
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 991306

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.7	121.1
160	44.9	36.0	54.0

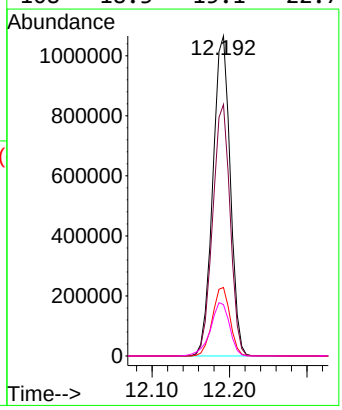


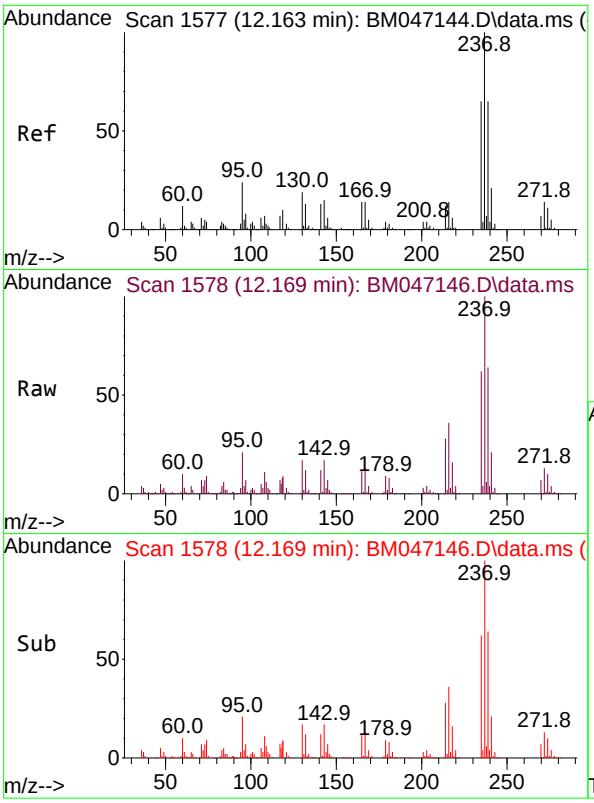


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.523 ng
RT: 12.192 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:216 Resp: 1663474

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	21.7	17.6	26.4
108	18.3	15.1	22.7



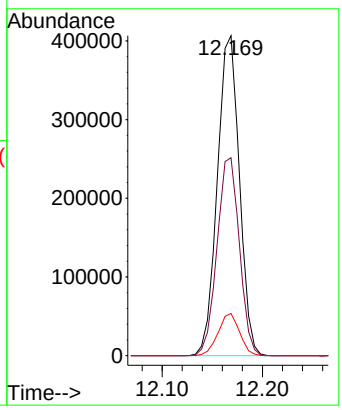


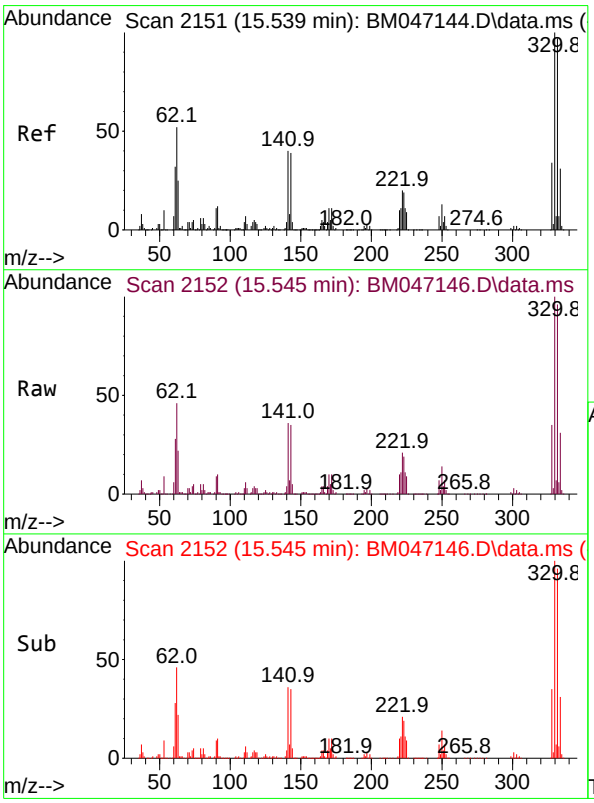
#41
Hexachlorocyclopentadiene
Concen: 65.733 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 620612

Ion	Ratio	Lower	Upper
237	100		
235	61.8	44.8	84.8
272	13.2	0.0	33.5

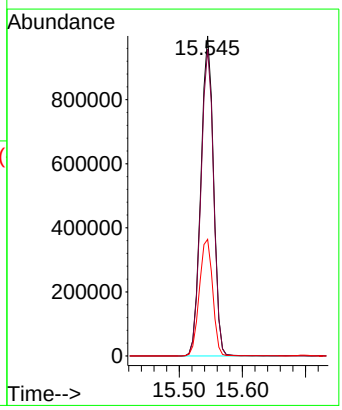


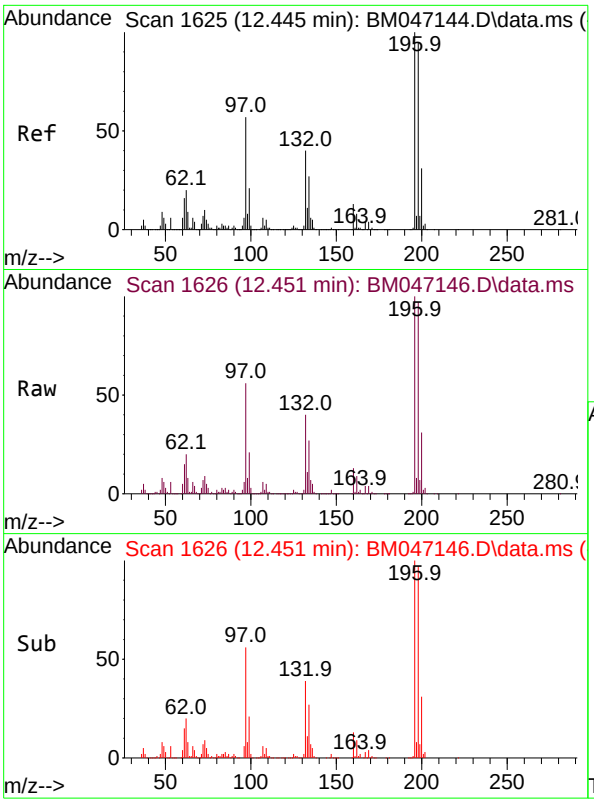


#42
2,4,6-Tribromophenol
Concen: 121.088 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:330 Resp: 1391826

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	38.4	31.6	47.4



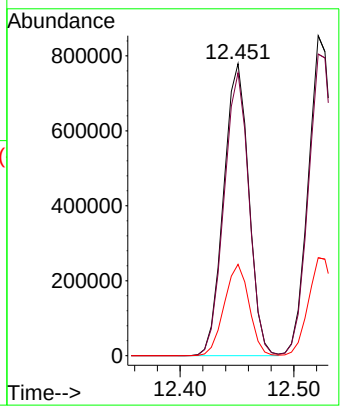


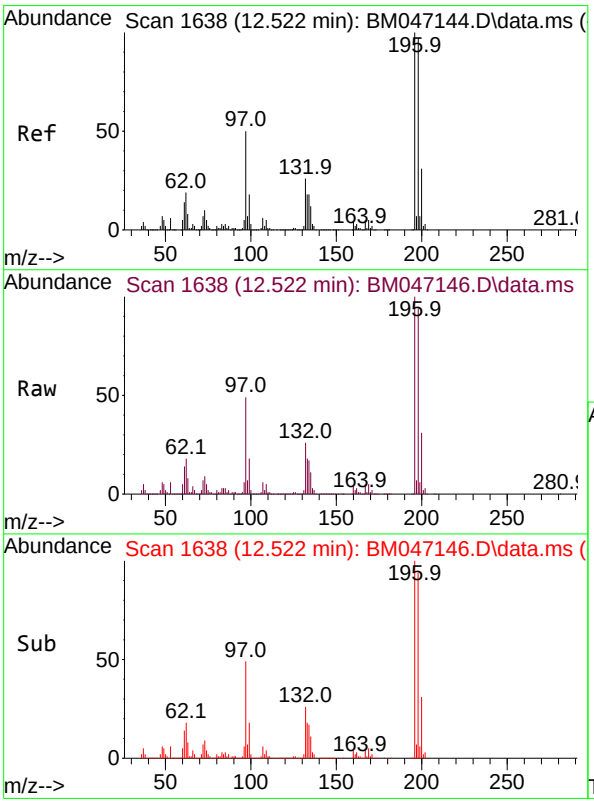
#43
2,4,6-Trichlorophenol
Concen: 62.557 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 1202229

Ion	Ratio	Lower	Upper
196	100		
198	96.9	75.6	113.4
200	31.3	24.6	37.0

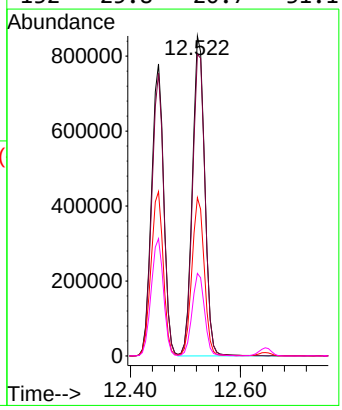


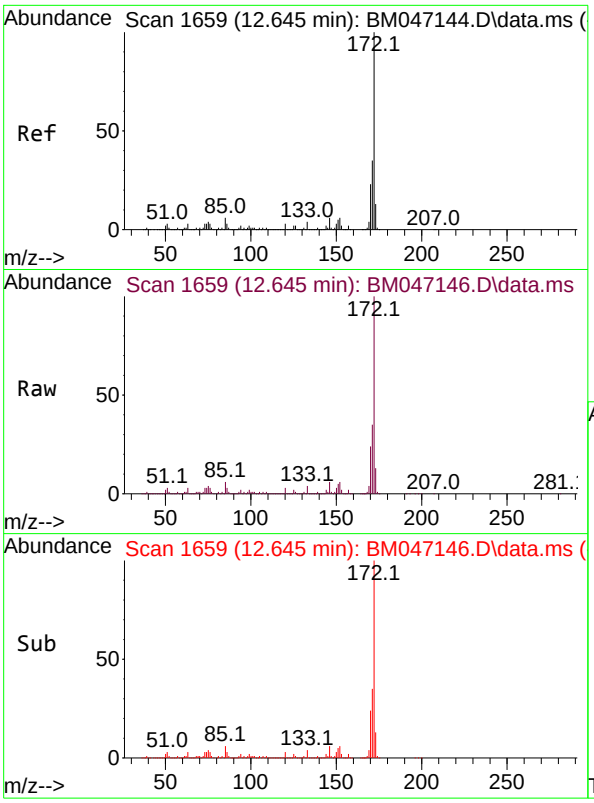


#44
2,4,5-Trichlorophenol
Concen: 62.287 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:196 Resp: 1329069

Ion	Ratio	Lower	Upper
196	100		
198	94.3	77.7	116.5
97	49.4	39.8	59.8
132	25.8	20.7	31.1



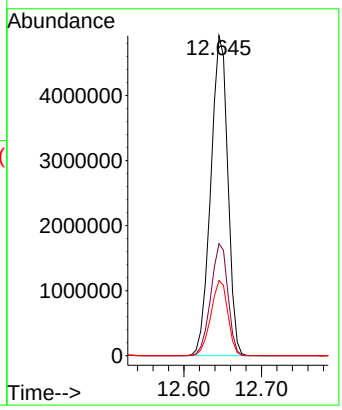


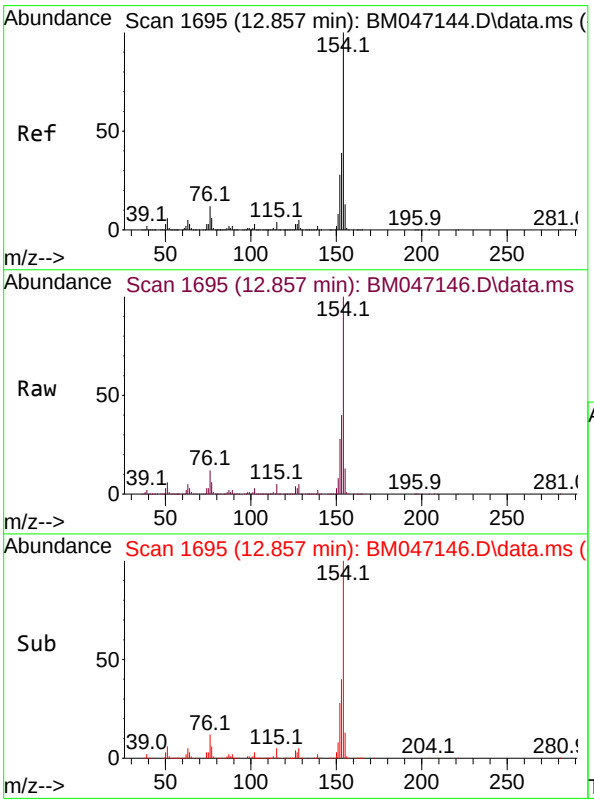
#45
2-Fluorobiphenyl
Concen: 116.705 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 7500034

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.5	18.7	28.1

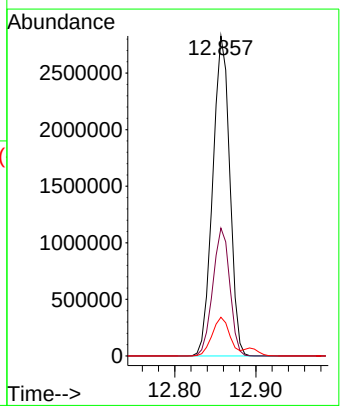


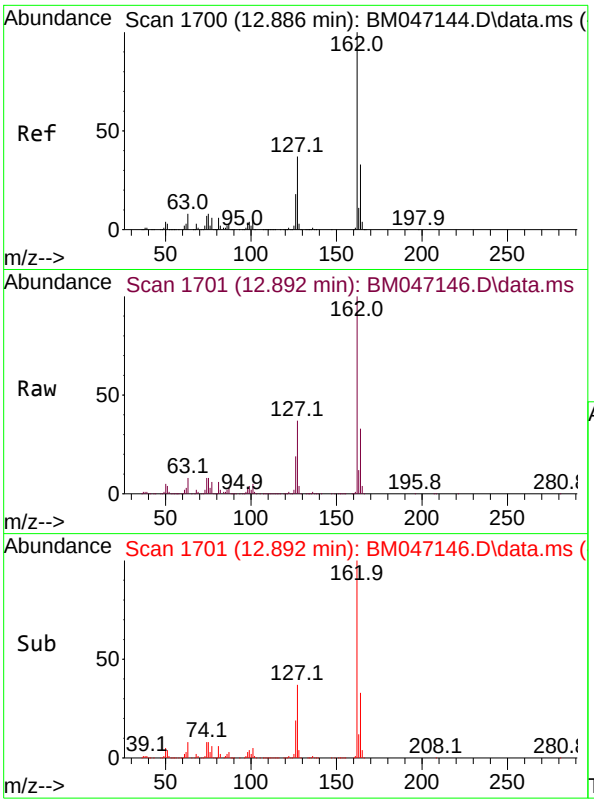


#46
1,1'-Biphenyl
Concen: 58.466 ng
RT: 12.857 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:154 Resp: 4126067

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.0	59.0
76	12.1	0.0	31.9



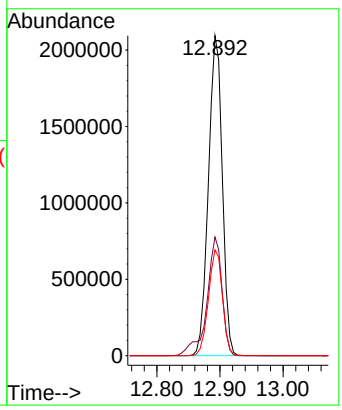


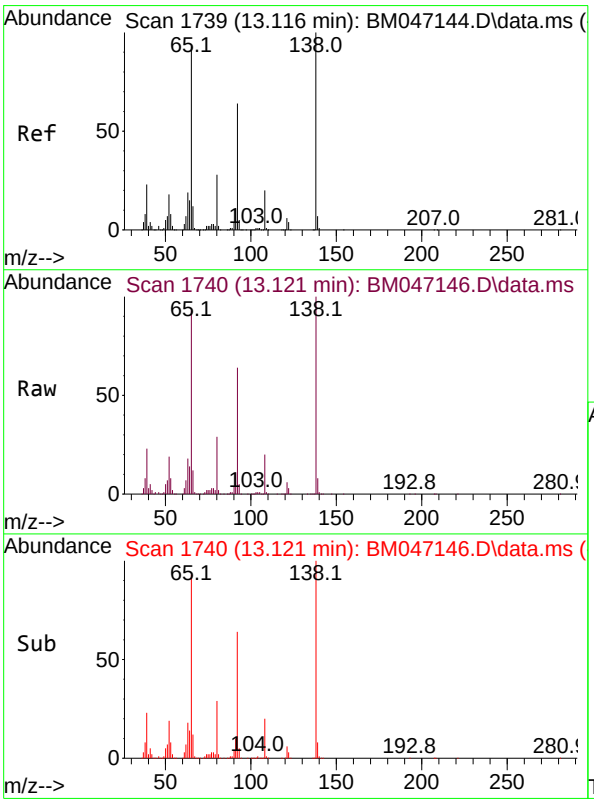
#47
2-Chloronaphthalene
Concen: 57.882 ng
RT: 12.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 3192787

Ion	Ratio	Lower	Upper
162	100		
127	37.0	30.0	45.0
164	33.1	26.3	39.5

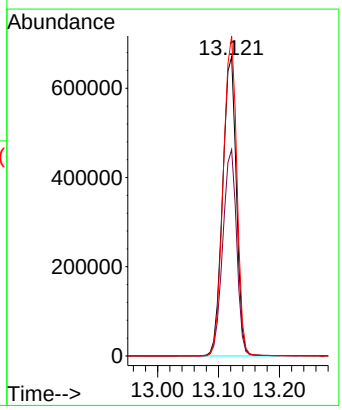


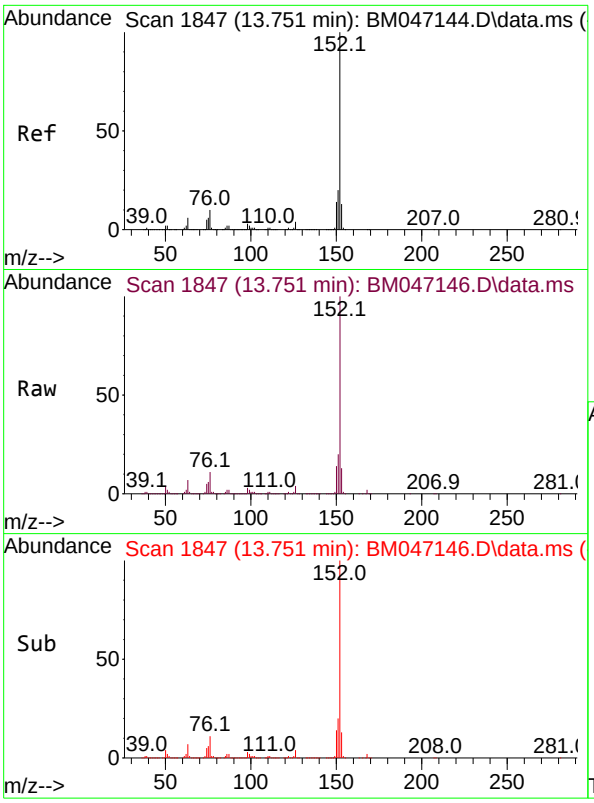


#48
2-Nitroaniline
Concen: 60.847 ng
RT: 13.121 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 65 Resp: 1051464

Ion	Ratio	Lower	Upper
65	100		
92	68.9	55.1	82.7
138	107.0	85.9	128.9



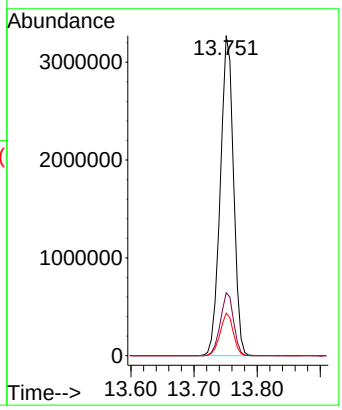


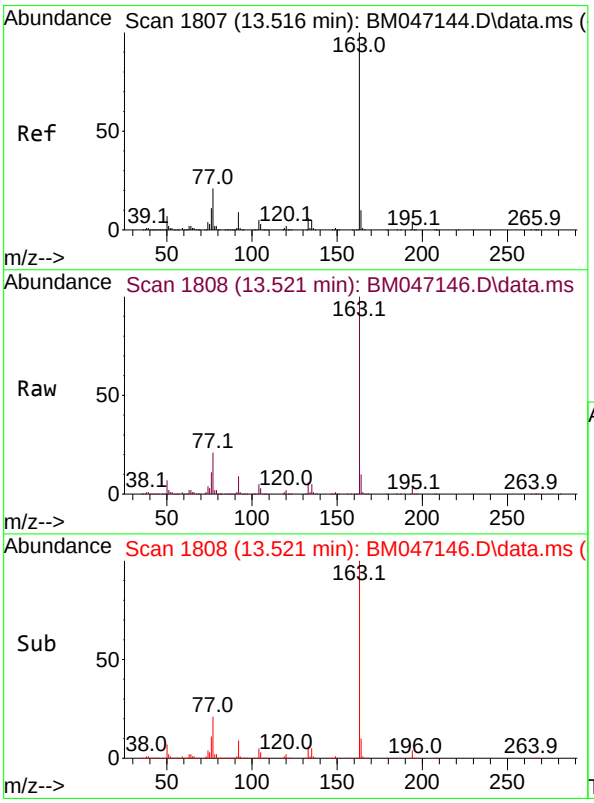
#49
Acenaphthylene
Concen: 58.613 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 4765674

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.4	15.6

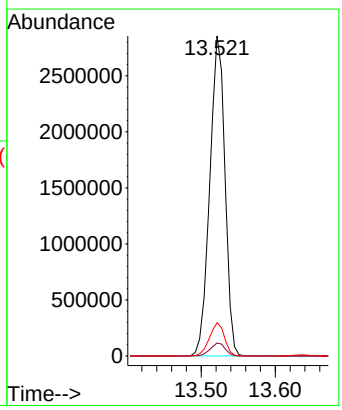


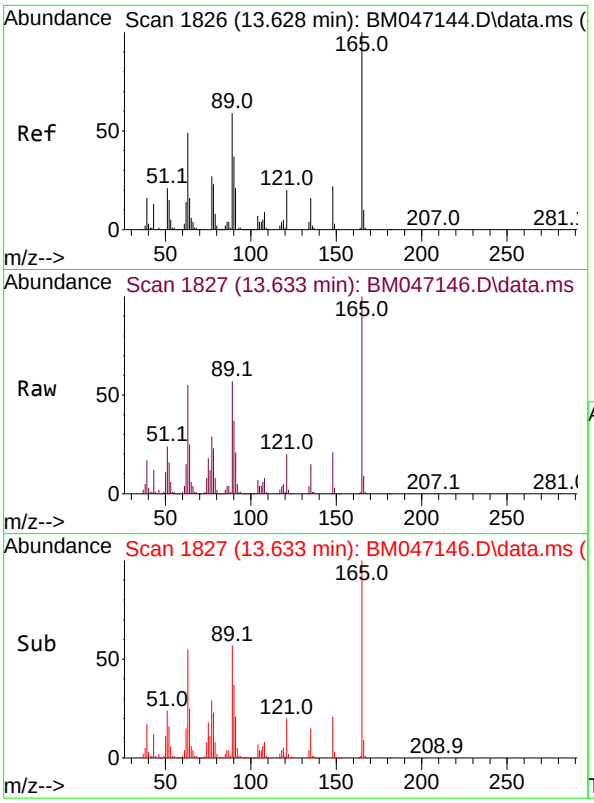


#50
Dimethylphthalate
Concen: 58.629 ng
RT: 13.521 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:163 Resp: 4059126

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.4	8.0	12.0



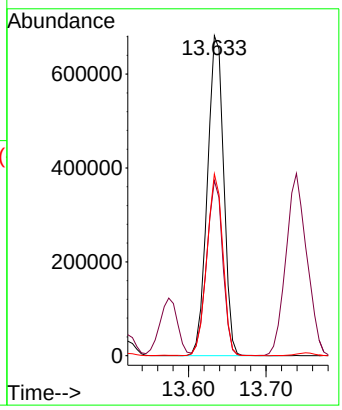


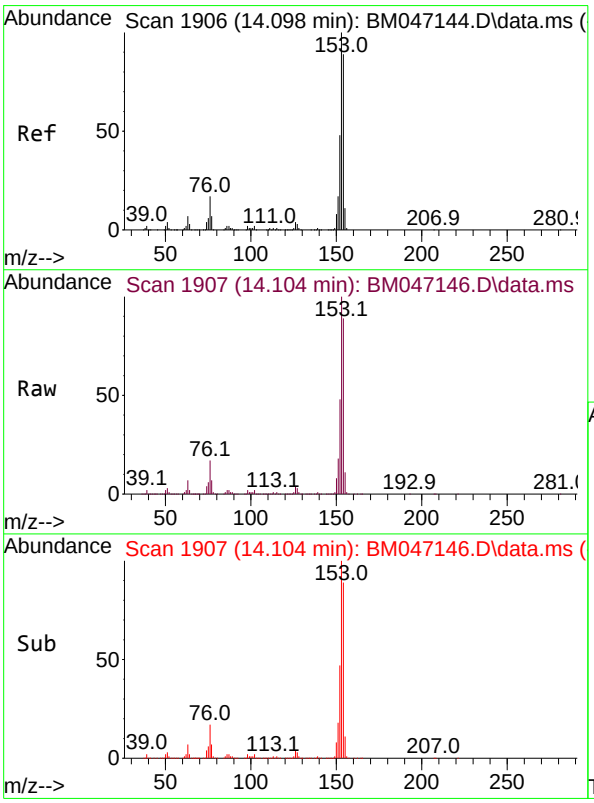
#51
2,6-Dinitrotoluene
Concen: 61.508 ng
RT: 13.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 995456

Ion	Ratio	Lower	Upper
165	100		
63	54.7	46.5	69.7
89	56.8	47.3	70.9

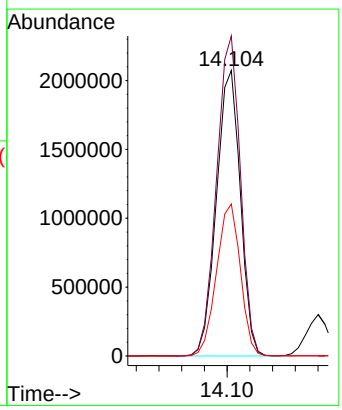


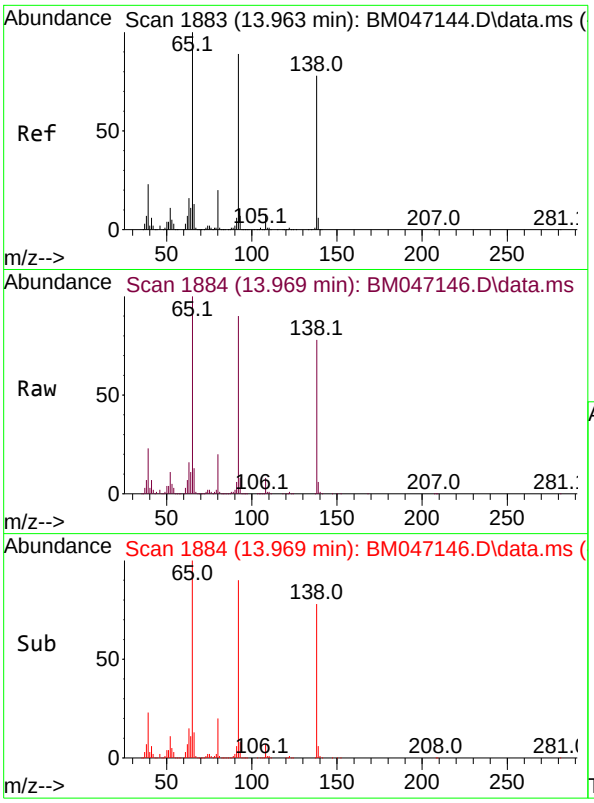


#52
Acenaphthene
Concen: 58.668 ng
RT: 14.104 min Scan# 1907
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:154 Resp: 3025820

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.3	135.5
152	53.3	42.9	64.3



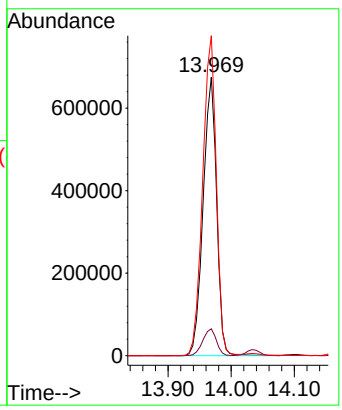


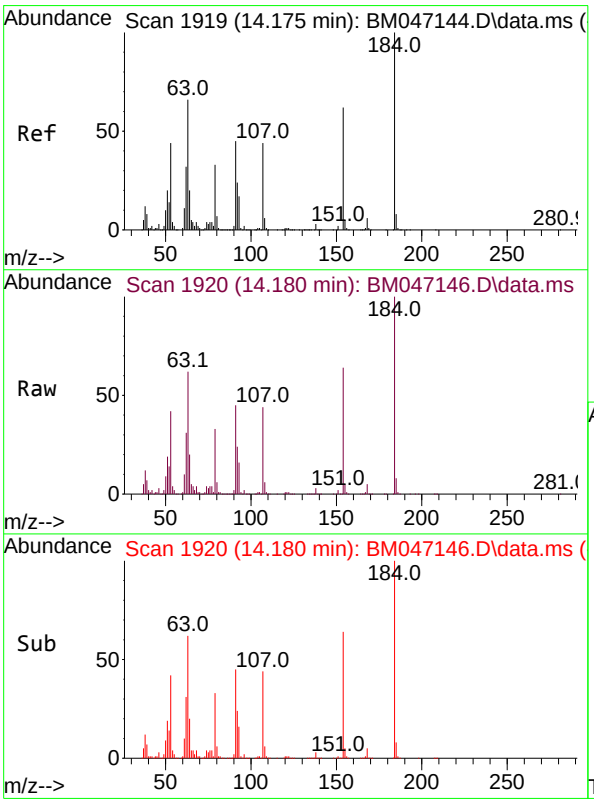
#53
3-Nitroaniline
Concen: 61.708 ng
RT: 13.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 1000744

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.9	11.9
92	114.9	92.0	138.0

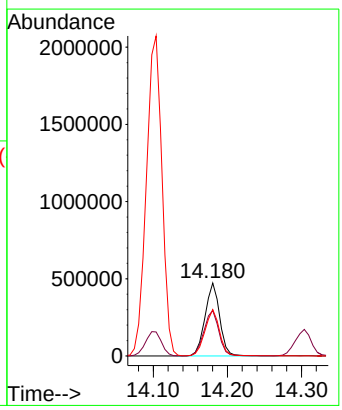


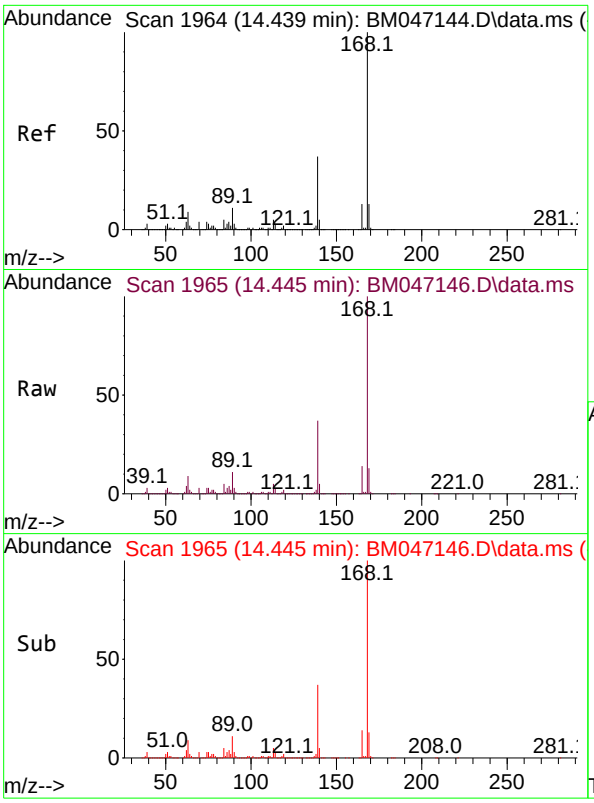


#54
2,4-Dinitrophenol
Concen: 66.750 ng
RT: 14.180 min Scan# 1920
Delta R.T. 0.005 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:184 Resp: 647477

Ion	Ratio	Lower	Upper
184	100		
63	62.4	52.7	79.1
154	63.7	50.4	75.6



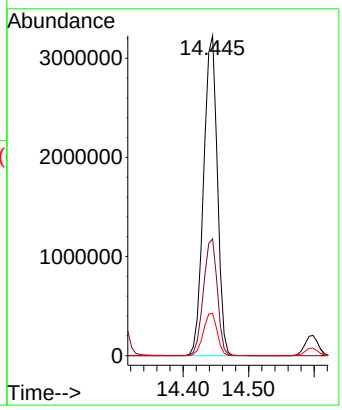


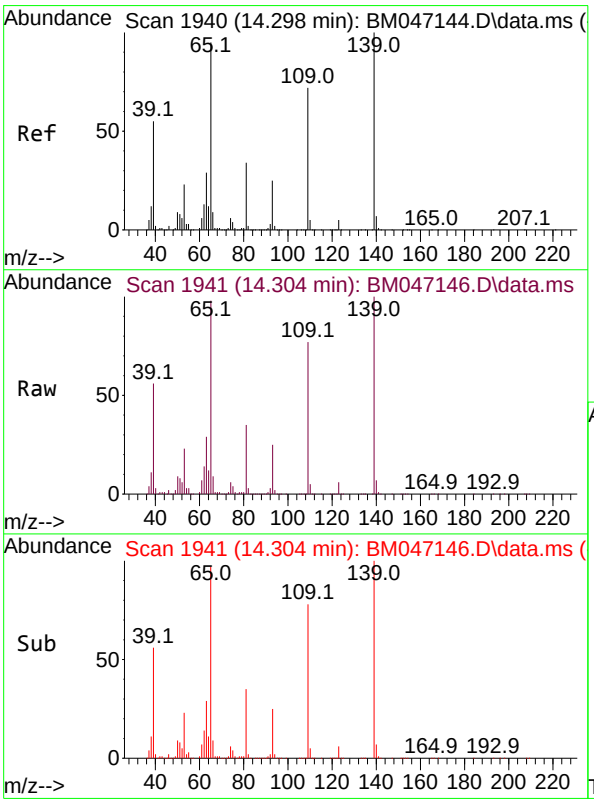
#55
Dibenzofuran
Concen: 57.809 ng
RT: 14.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 4709496

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.6	44.4
169	13.2	10.7	16.1

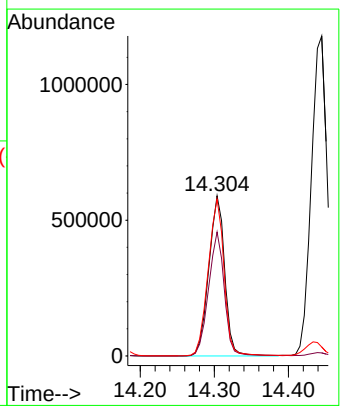


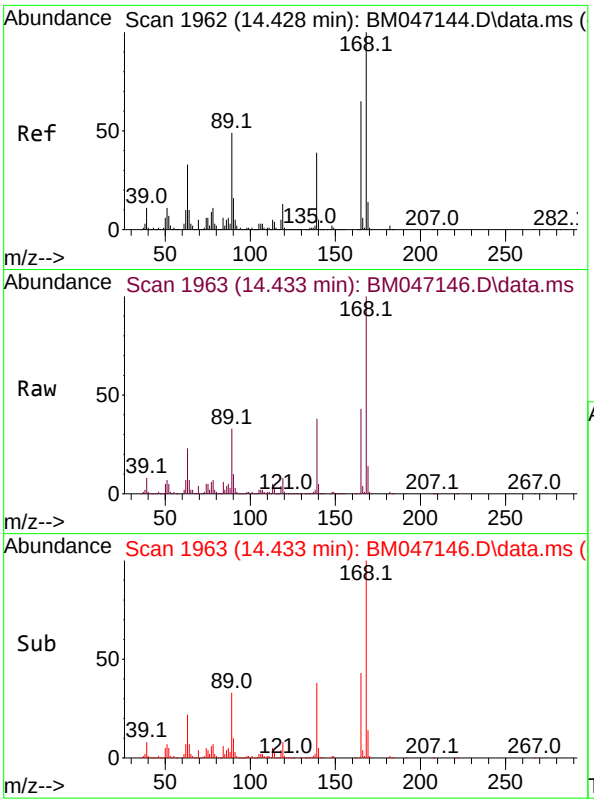


#56
4-Nitrophenol
Concen: 62.927 ng
RT: 14.304 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:139 Resp: 879989

Ion	Ratio	Lower	Upper
139	100		
109	77.5	52.5	92.5
65	98.0	75.4	115.4



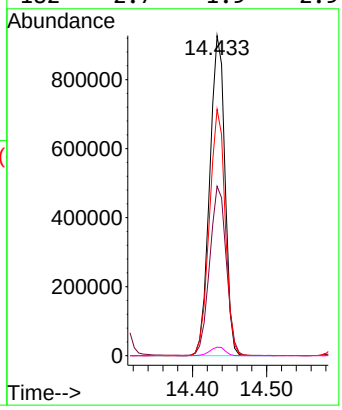


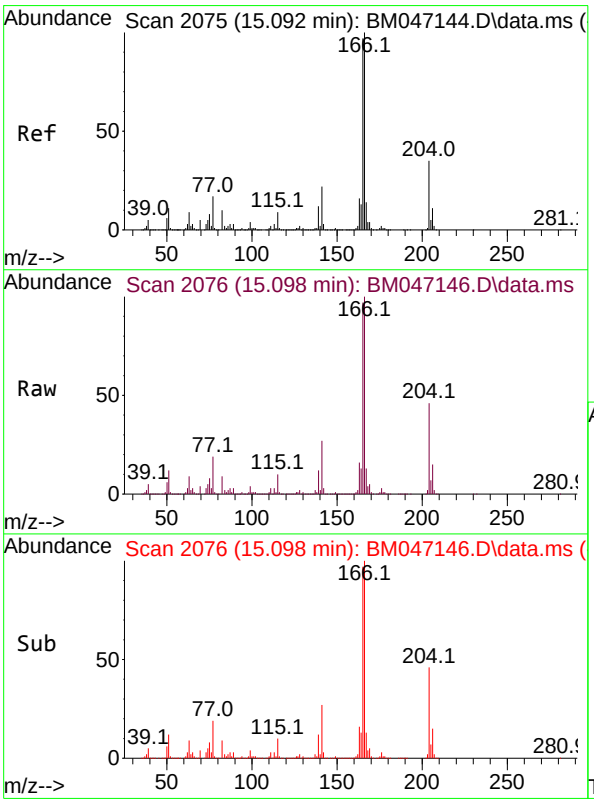
#57
2,4-Dinitrotoluene
Concen: 61.255 ng
RT: 14.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1323234

Ion	Ratio	Lower	Upper
165	100		
63	53.0	40.3	60.5
89	77.0	61.0	91.6
182	2.7	1.9	2.9

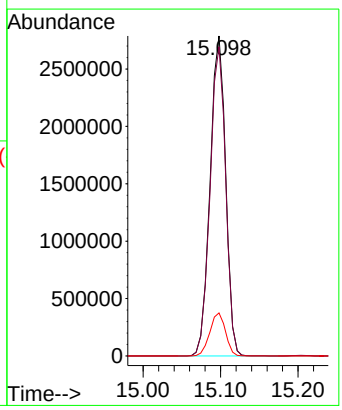


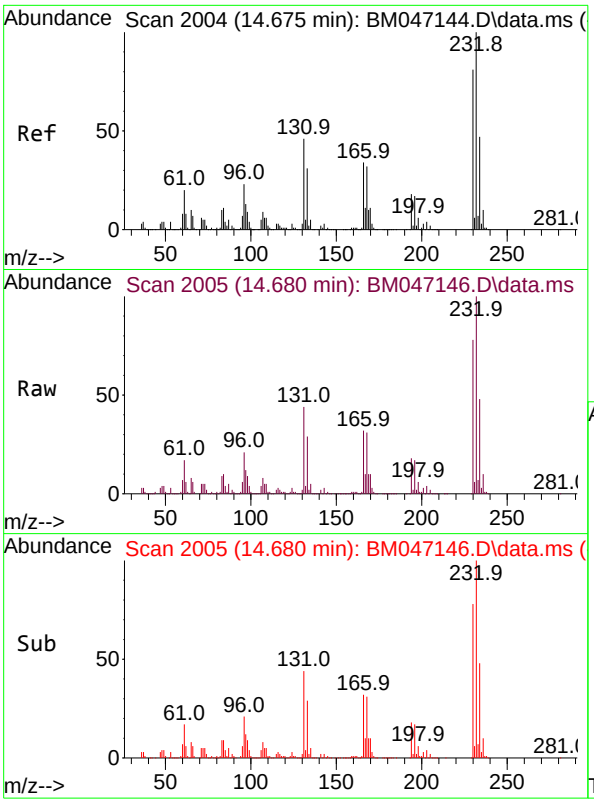


#58
Fluorene
Concen: 57.801 ng
RT: 15.098 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:166 Resp: 3885304

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.4	116.0
167	13.5	11.0	16.6



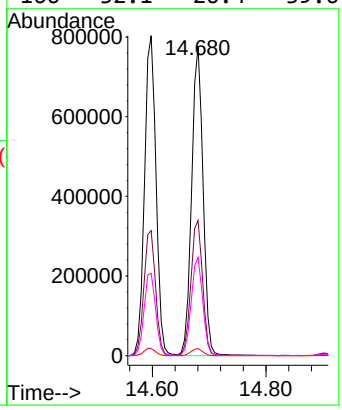


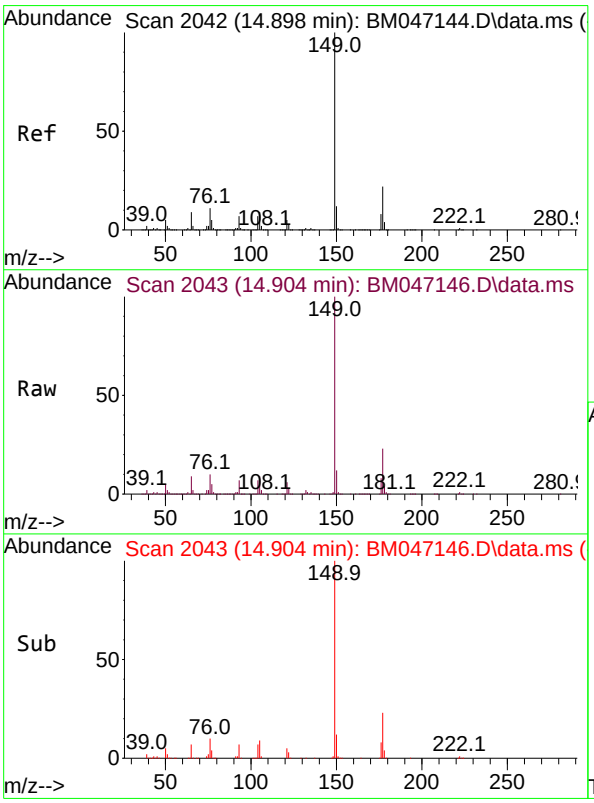
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.097 ng
RT: 14.680 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 1088974

Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.9	55.3
130	2.4	2.0	3.0
166	32.1	26.4	39.6

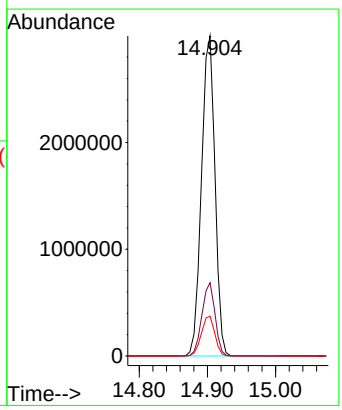


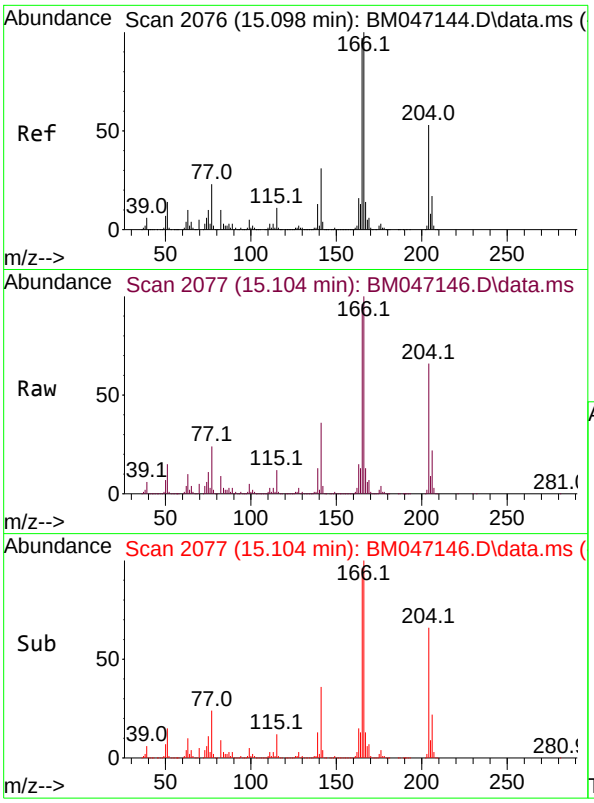


#60
Diethylphthalate
Concen: 58.389 ng
RT: 14.904 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 4128072

Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.6	26.4
150	12.4	9.8	14.6



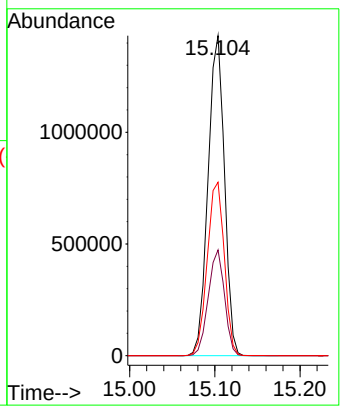


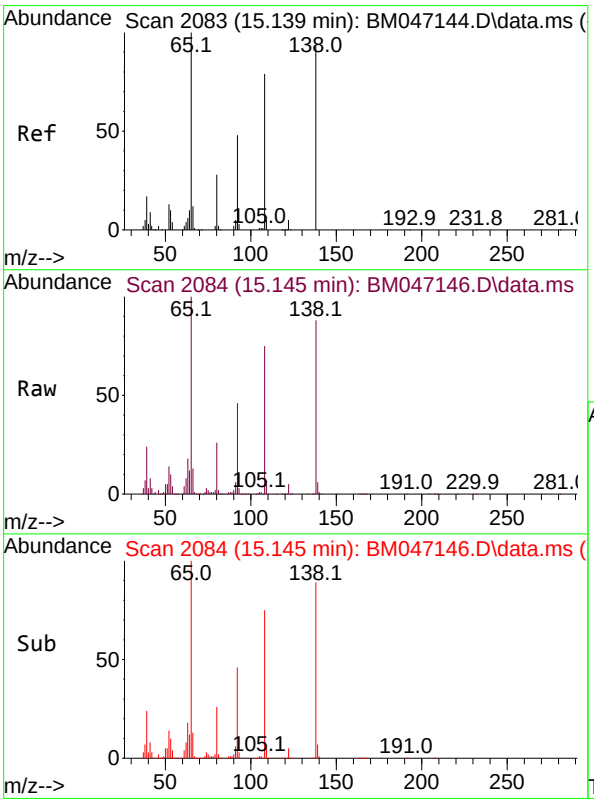
#61
4-Chlorophenyl-phenylether
Concen: 59.903 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1916971

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.4
141	54.2	47.2	70.8

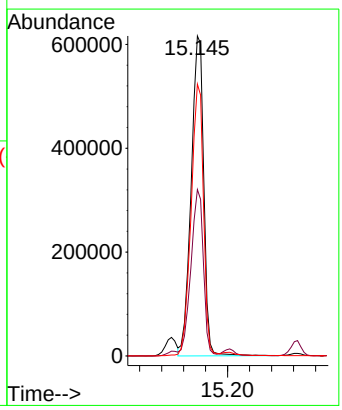


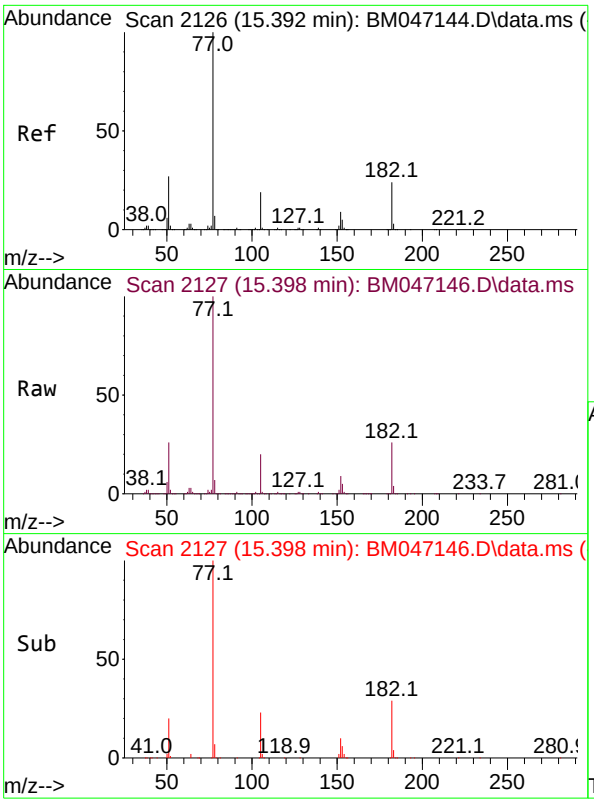


#62
4-Nitroaniline
Concen: 61.238 ng
RT: 15.145 min Scan# 2084
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:138 Resp: 978393

Ion	Ratio	Lower	Upper
138	100		
92	52.0	31.9	71.9
108	85.0	63.8	103.8



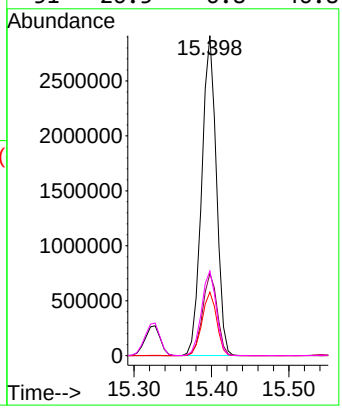


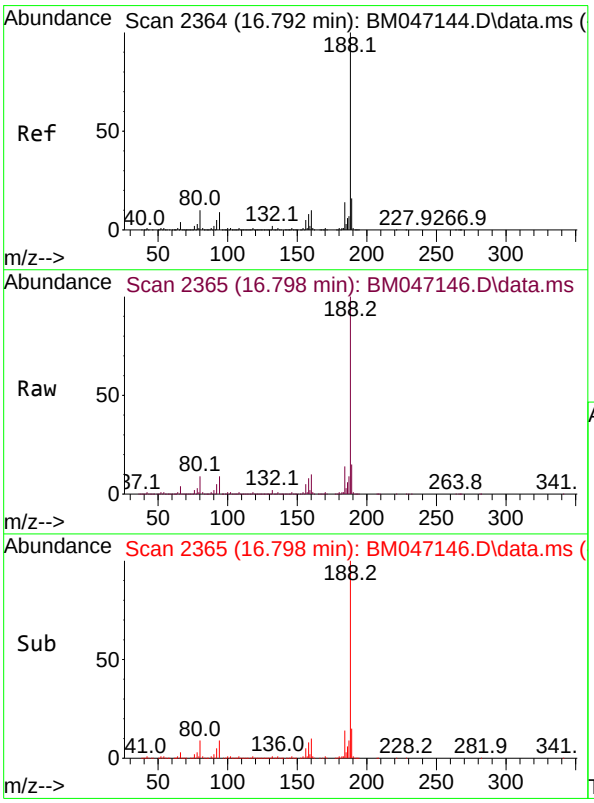
#63
Azobenzene
Concen: 56.986 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3820106

Ion	Ratio	Lower	Upper
77	100		
182	25.7	3.8	43.8
105	19.8	0.0	39.5
51	26.5	6.8	46.8

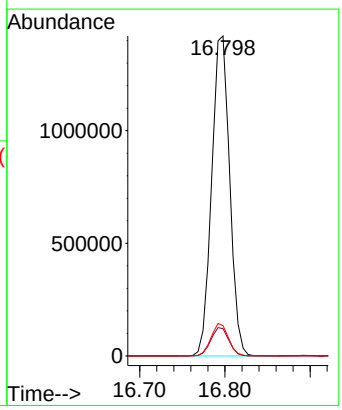


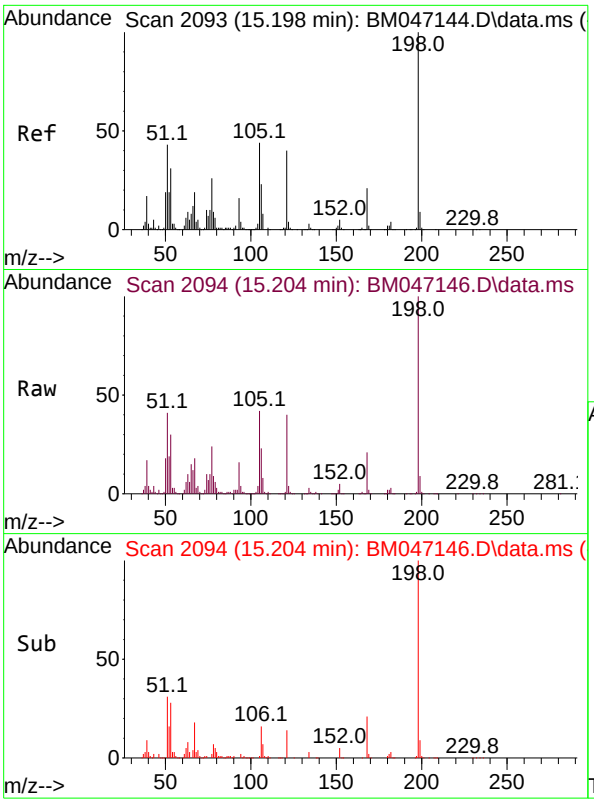


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.798 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:188 Resp: 2082135

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.5	8.0	12.0



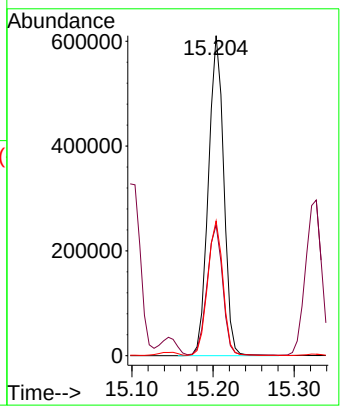


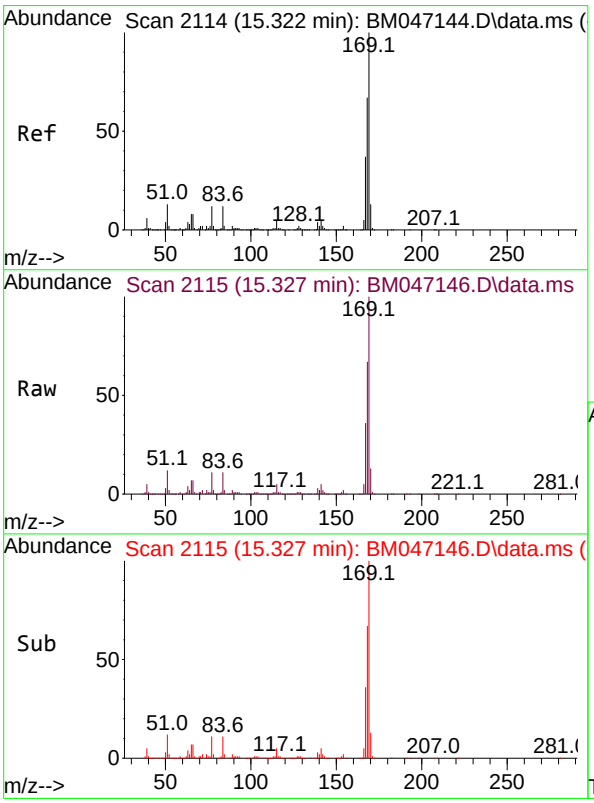
#65
4,6-Dinitro-2-methylphenol
Concen: 65.573 ng
RT: 15.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 799367

Ion	Ratio	Lower	Upper
198	100		
51	40.9	23.9	63.9
105	42.1	24.3	64.3

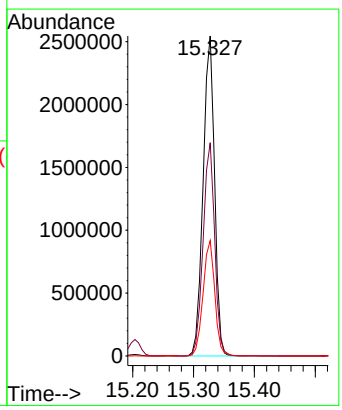


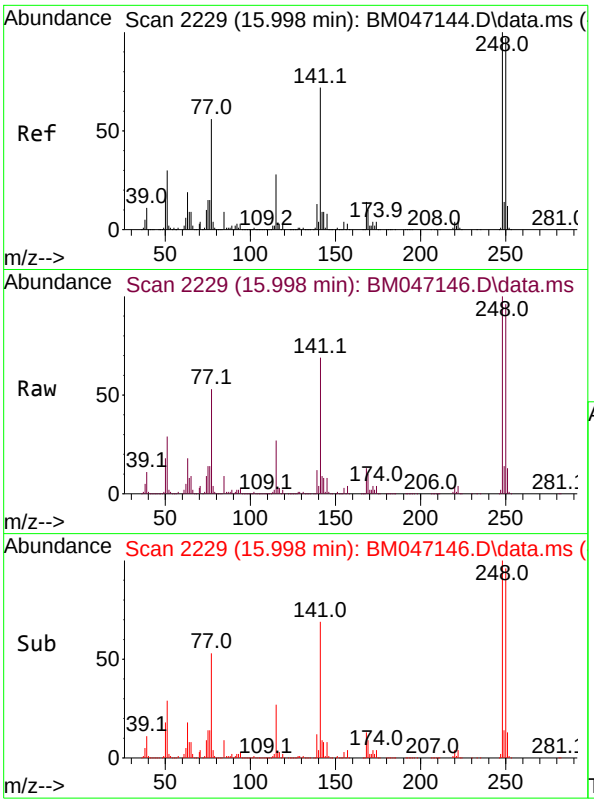


#66
n-Nitrosodiphenylamine
Concen: 58.648 ng
RT: 15.327 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:169 Resp: 3326078

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.8	80.8
167	36.1	29.3	43.9



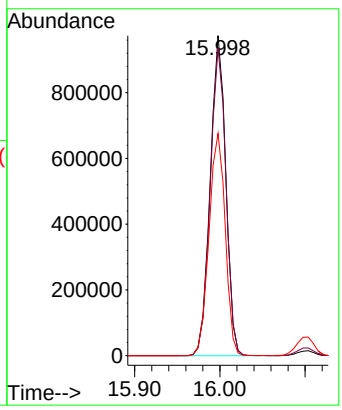


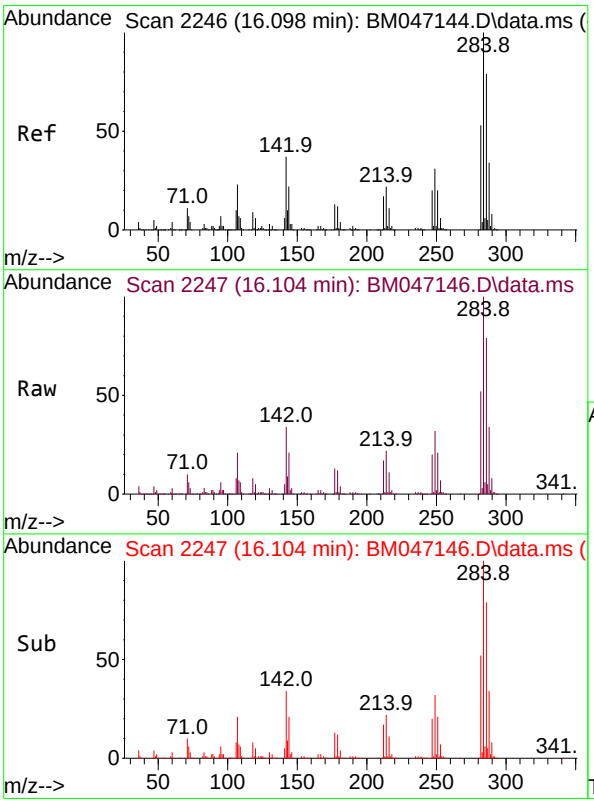
#67
4-Bromophenyl-phenylether
Concen: 61.547 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1234868

Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.8	116.8
141	69.4	57.7	86.5

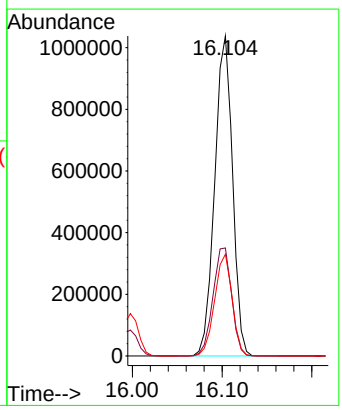


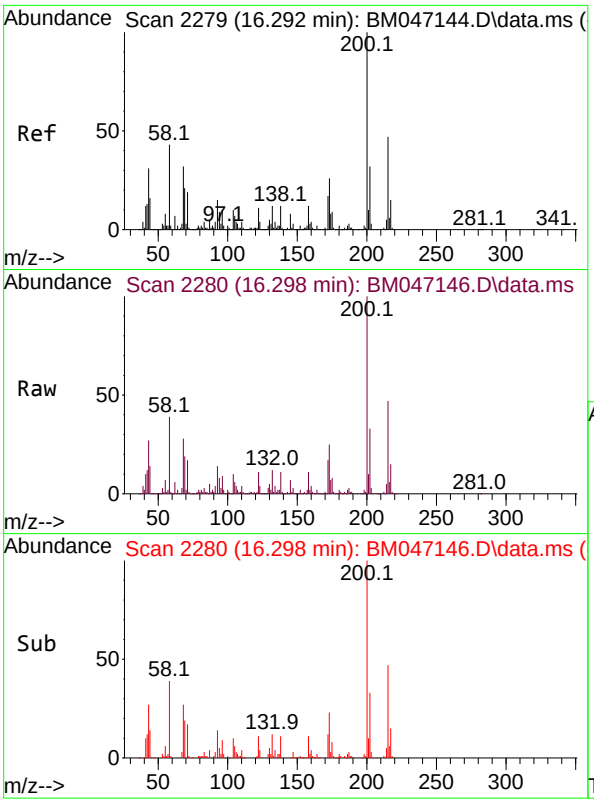


#68
Hexachlorobenzene
Concen: 59.562 ng
RT: 16.104 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:284 Resp: 1431249

Ion	Ratio	Lower	Upper
284	100		
142	33.7	29.4	44.0
249	31.8	25.1	37.7



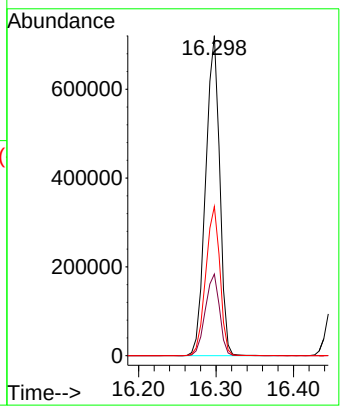


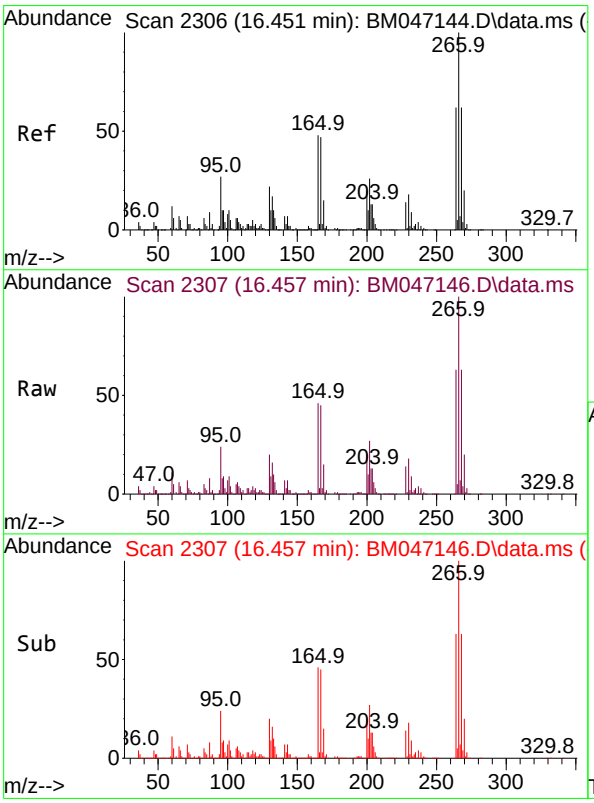
#69
Atrazine
Concen: 53.118 ng
RT: 16.298 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 906491

Ion	Ratio	Lower	Upper
200	100		
173	25.5	6.1	46.1
215	46.6	26.8	66.8

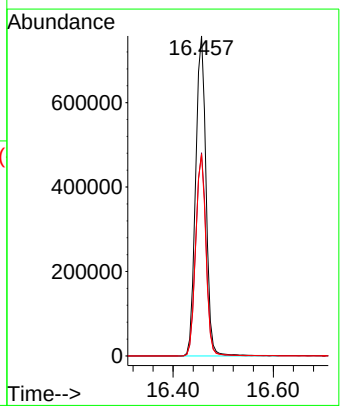


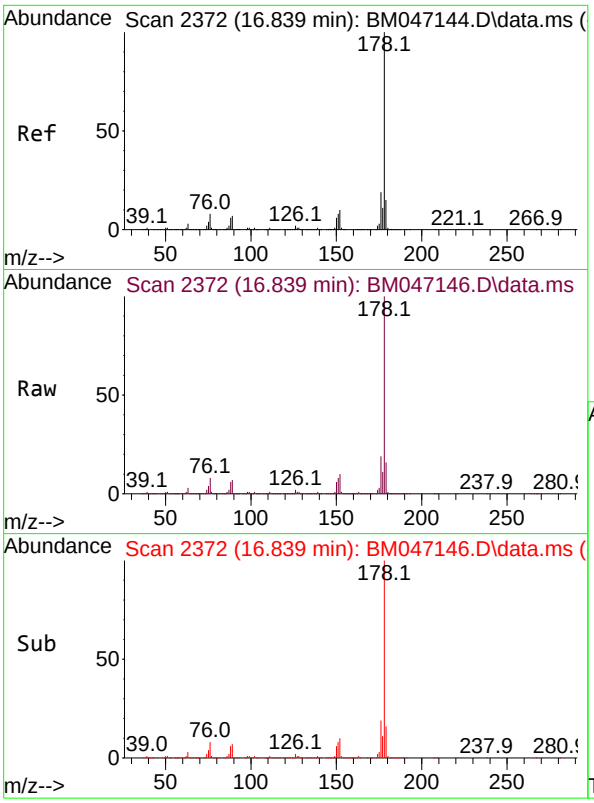


#70
Pentachlorophenol
Concen: 64.503 ng
RT: 16.457 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:266 Resp: 1086504

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.8	74.6
264	62.9	49.6	74.4



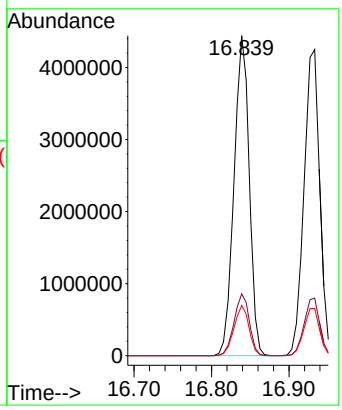


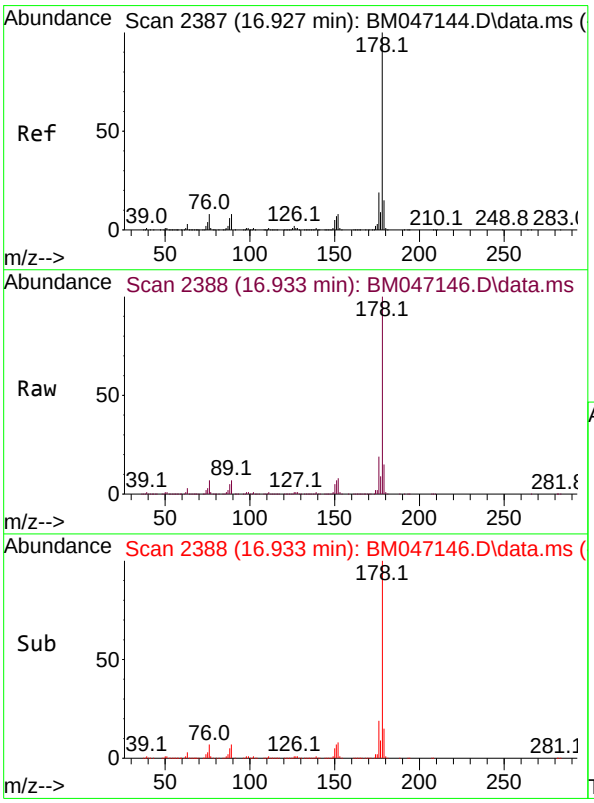
#71
Phenanthrene
Concen: 58.208 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 6082429

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.4	18.6

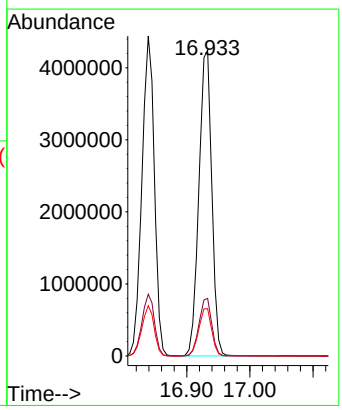


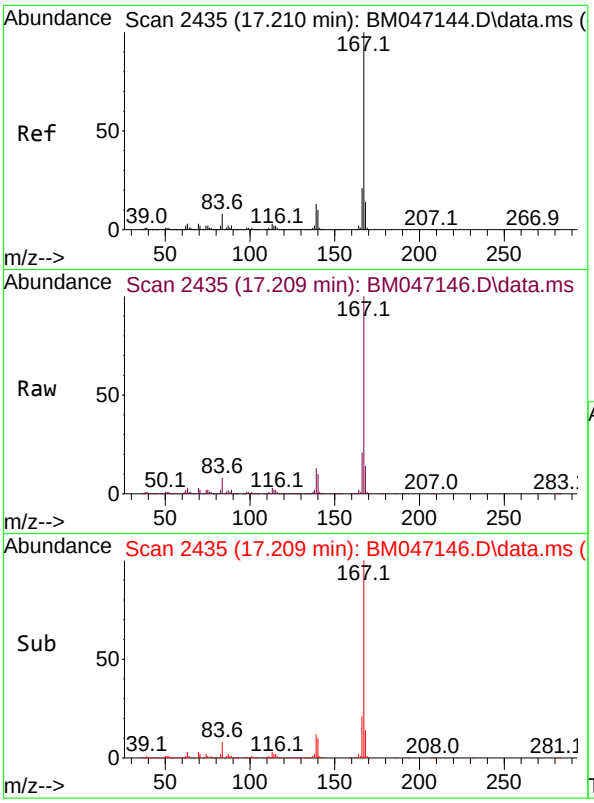


#72
Anthracene
Concen: 59.030 ng
RT: 16.933 min Scan# 2388
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:178 Resp: 6001835

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.4	12.4	18.6



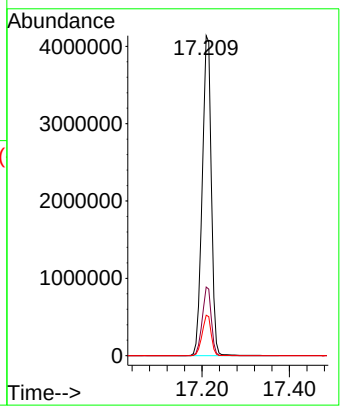


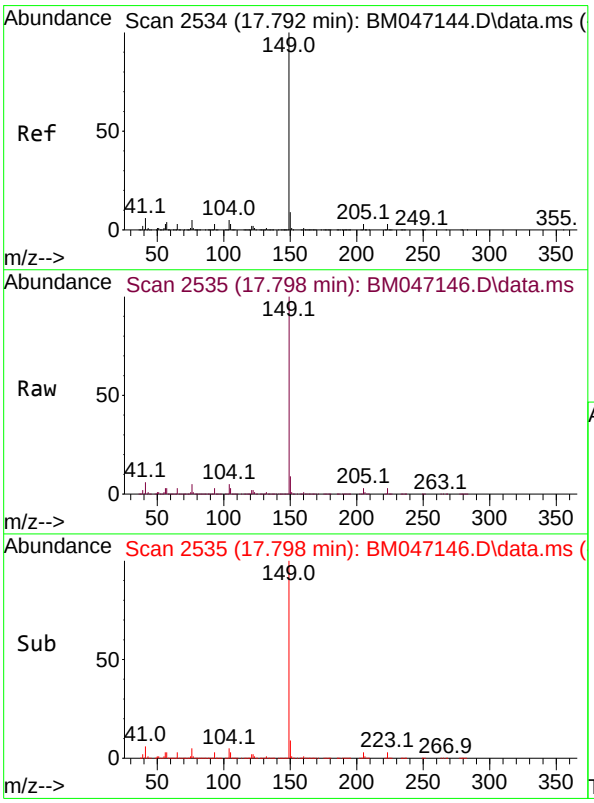
#73
Carbazole
Concen: 57.702 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 5990202

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.6	10.0	15.0

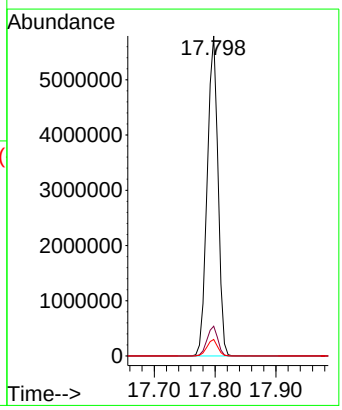


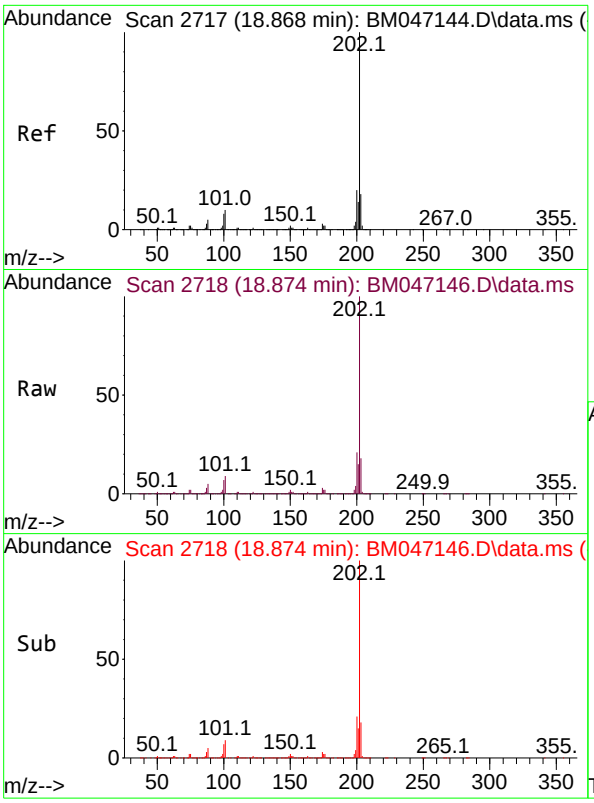


#74
Di-n-butylphthalate
Concen: 58.952 ng
RT: 17.798 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 7121063

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1



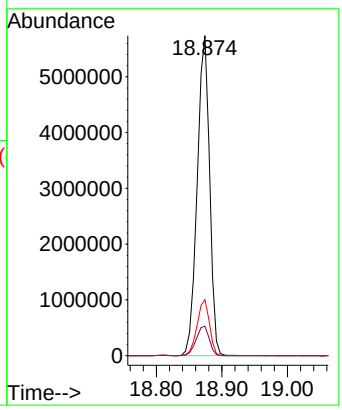


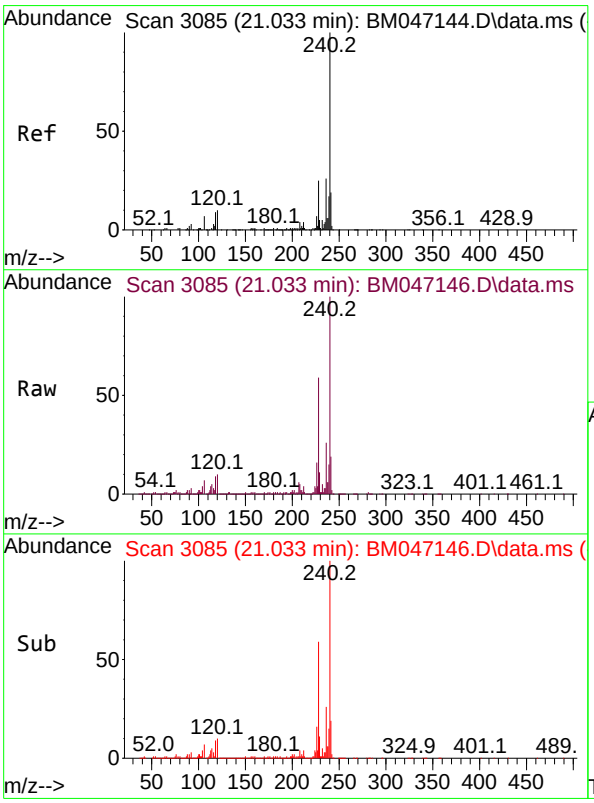
#75
Fluoranthene
Concen: 59.328 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 7540518

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.5	0.0	37.6

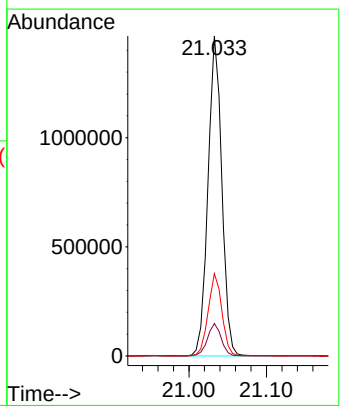


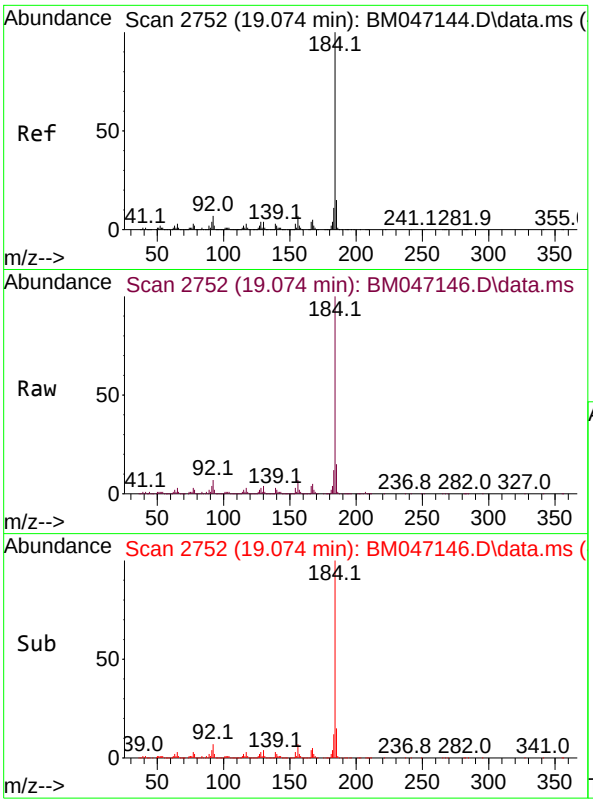


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:240 Resp: 1812683

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.8	20.6	30.8



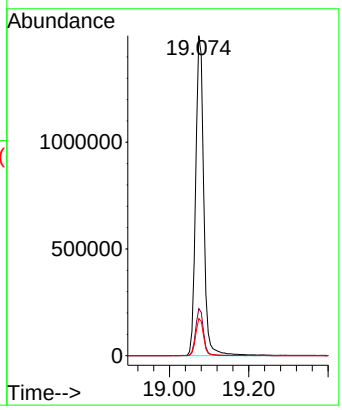


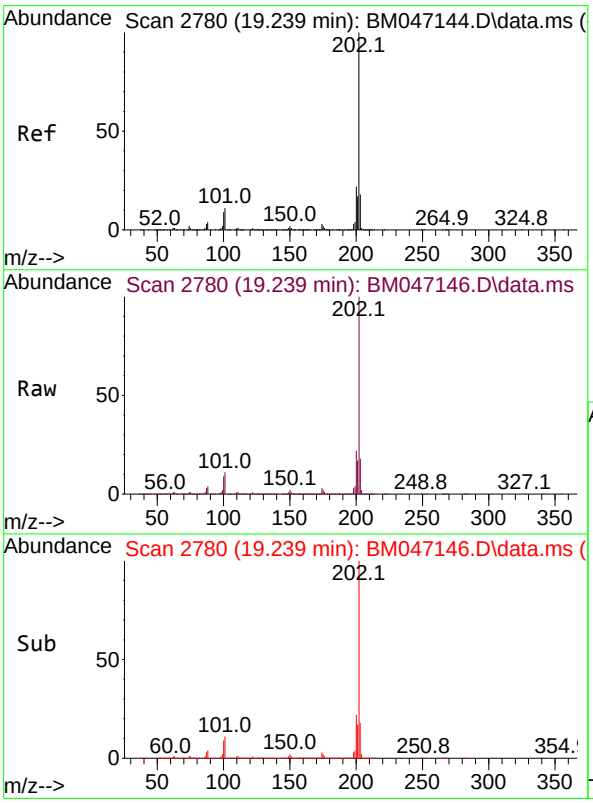
#77
Benzidine
Concen: 68.768 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2113957

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.6	9.0	13.6

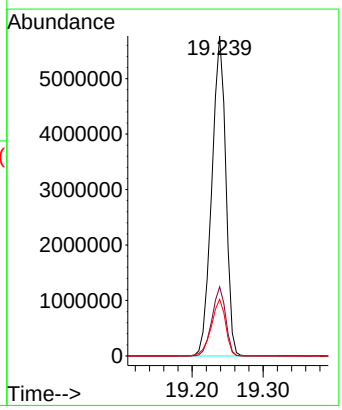


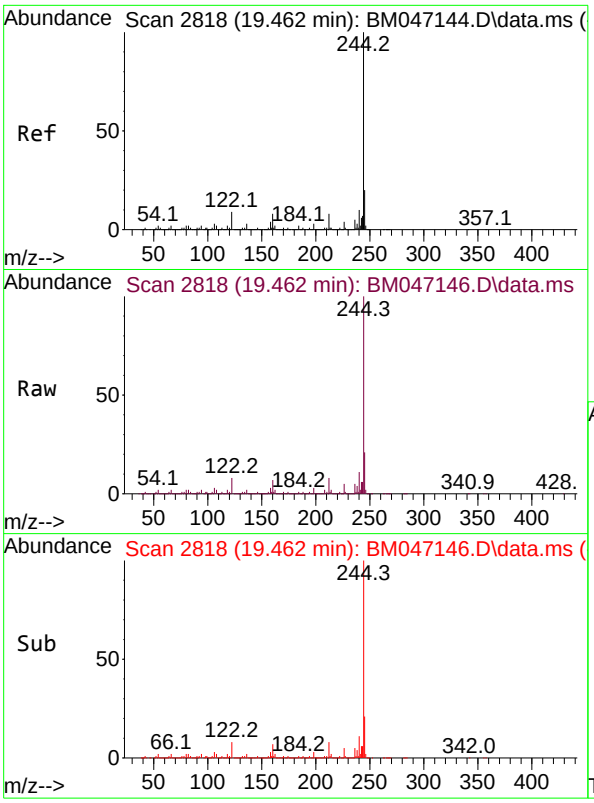


#78
Pyrene
Concen: 60.744 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:202 Resp: 7862143

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.7	14.2	21.2



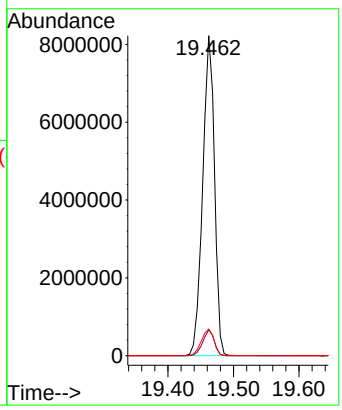


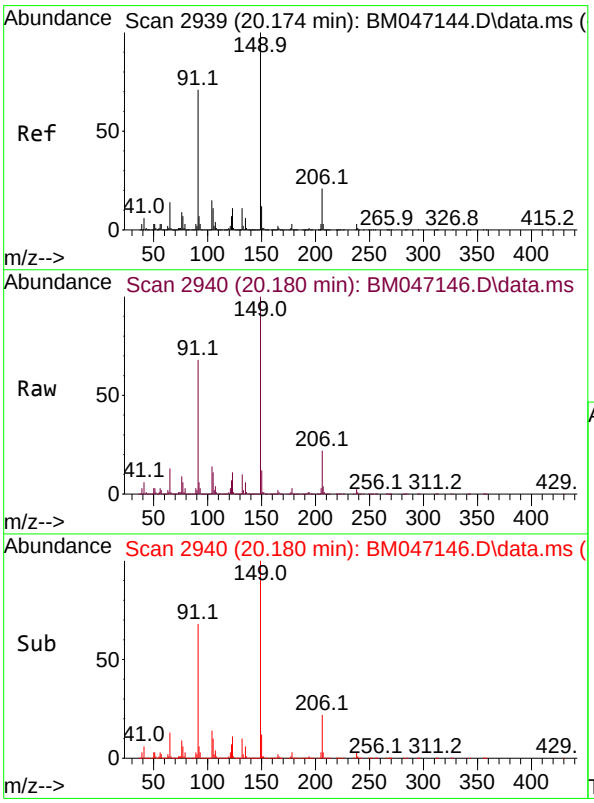
#79
Terphenyl-d14
Concen: 121.942 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp:10315735

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	8.3	7.1	10.7

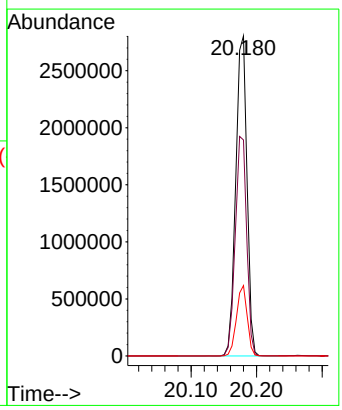


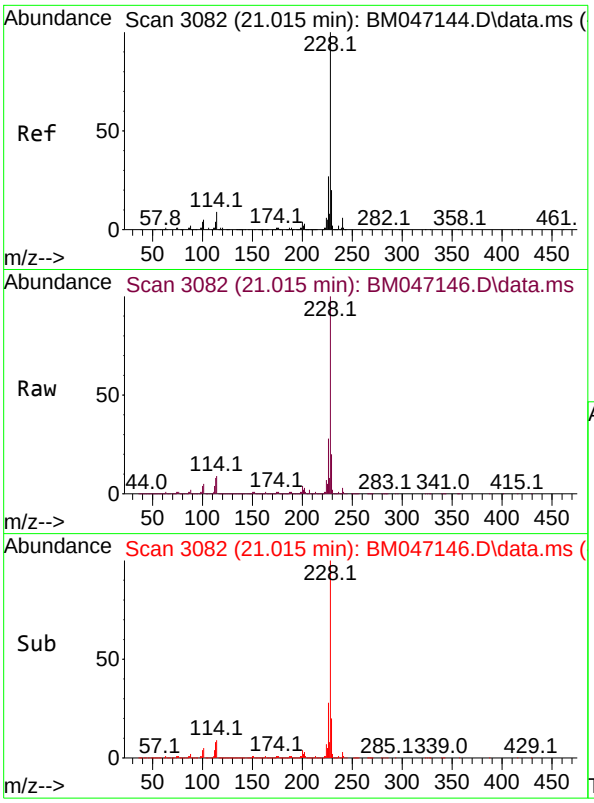


#80
Butylbenzylphthalate
Concen: 63.380 ng
RT: 20.180 min Scan# 2940
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 3347760

Ion	Ratio	Lower	Upper
149	100		
91	67.5	57.0	85.4
206	22.0	16.4	24.6



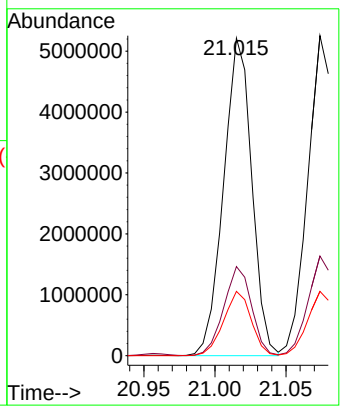


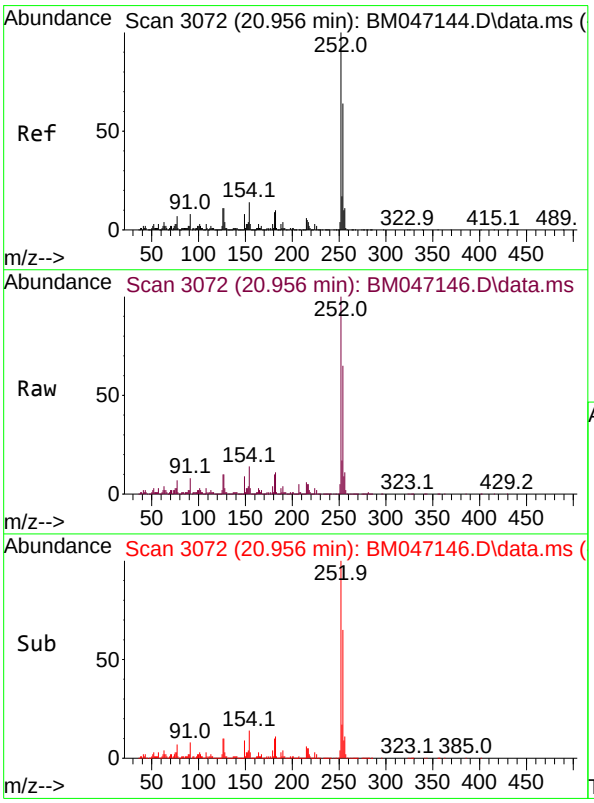
#81
Benzo(a)anthracene
Concen: 59.814 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 7197782

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.6
229	20.3	15.8	23.8

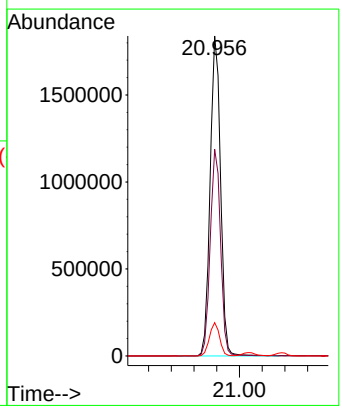


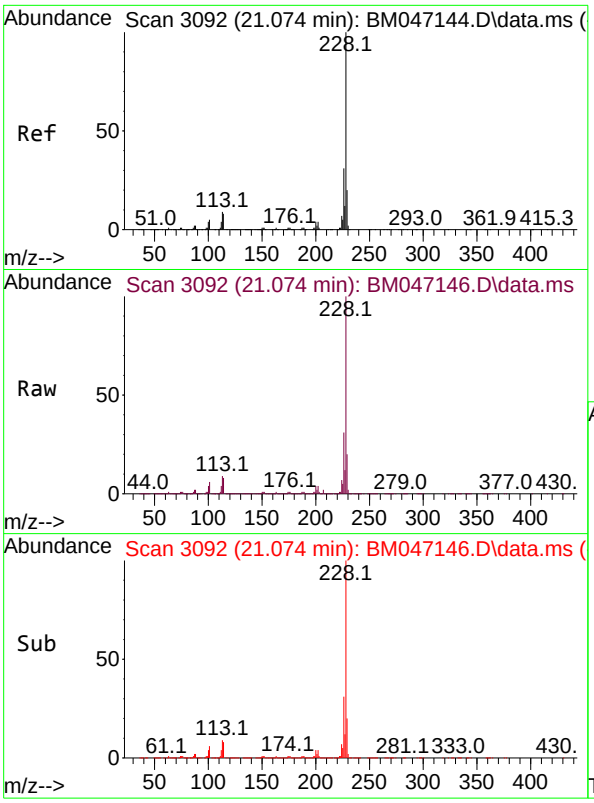


#82
3,3'-Dichlorobenzidine
Concen: 61.593 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:252 Resp: 2319044

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.6
126	10.4	8.5	12.7



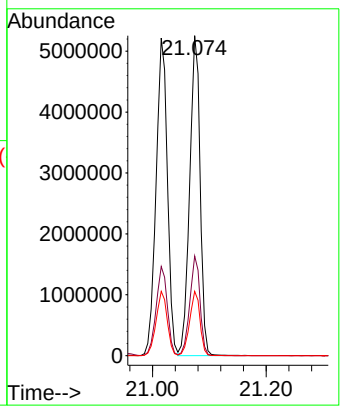


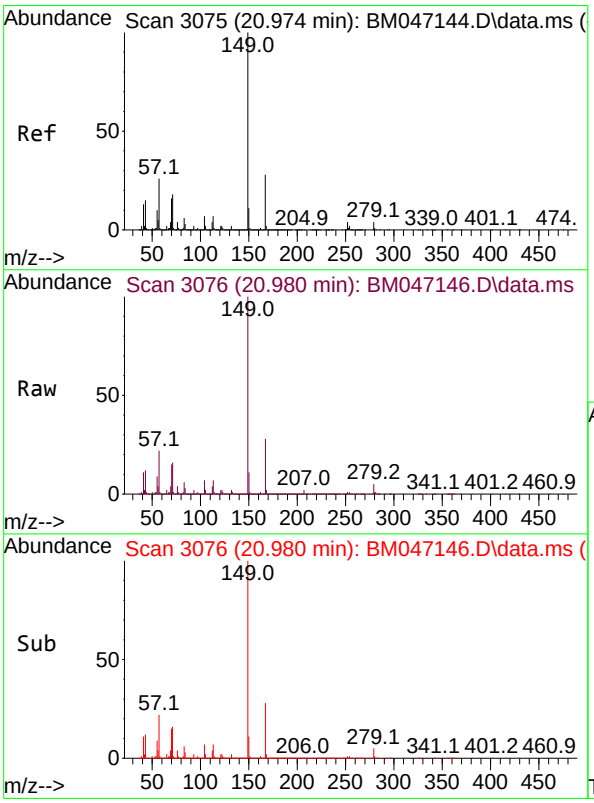
#83
Chrysene
Concen: 58.790 ng
RT: 21.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 6712104

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	20.1	15.7	23.5

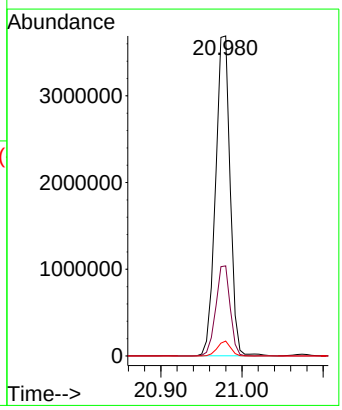


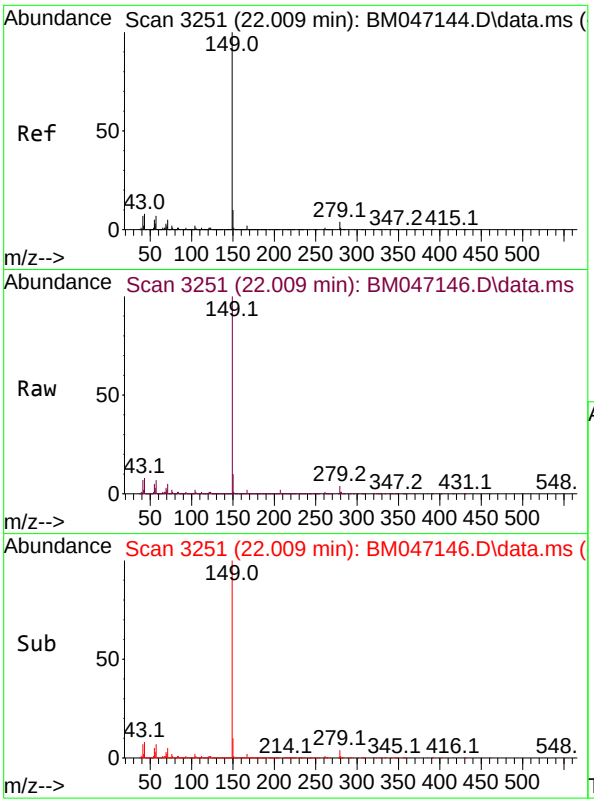


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.396 ng
RT: 20.980 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 4599112

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.2
279	4.6	3.0	4.4#



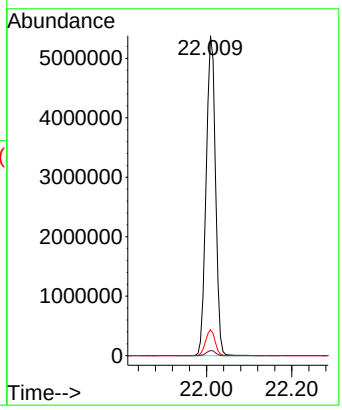


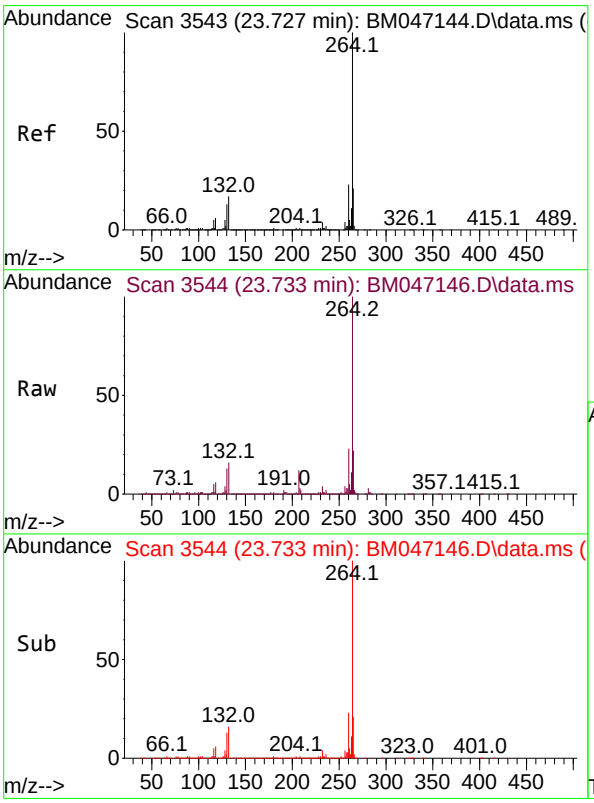
#85
Di-n-octyl phthalate
Concen: 64.180 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 8171642

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	6.9	10.3

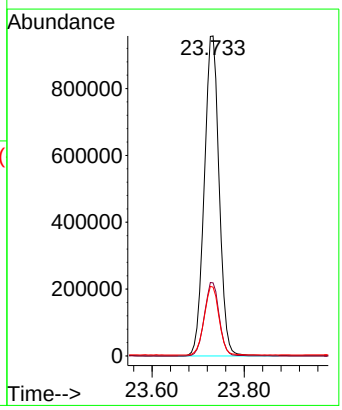


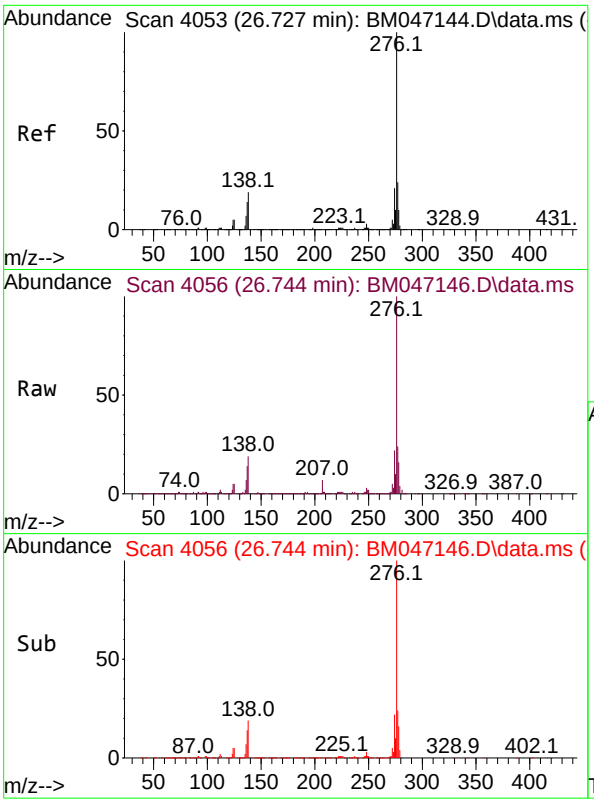


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:264 Resp: 2151546

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.5	17.3	25.9



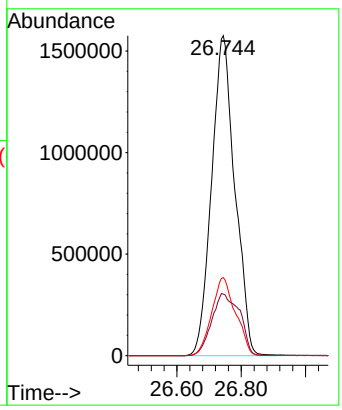


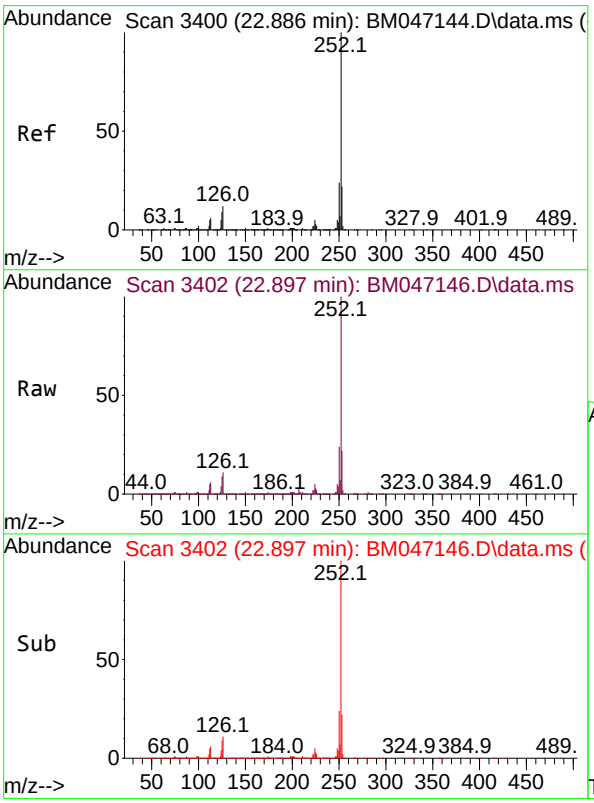
#87
Indeno(1,2,3-cd)pyrene
Concen: 56.929 ng
RT: 26.744 min Scan# 4
Delta R.T. 0.017 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 7917132

Ion	Ratio	Lower	Upper
276	100		
138	23.4	19.4	29.0
277	25.1	20.1	30.1

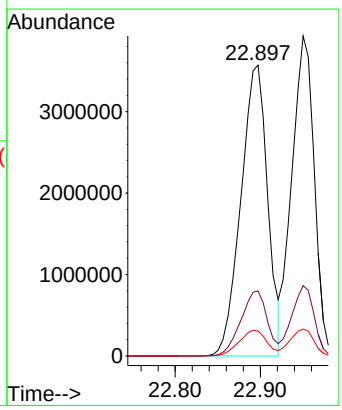


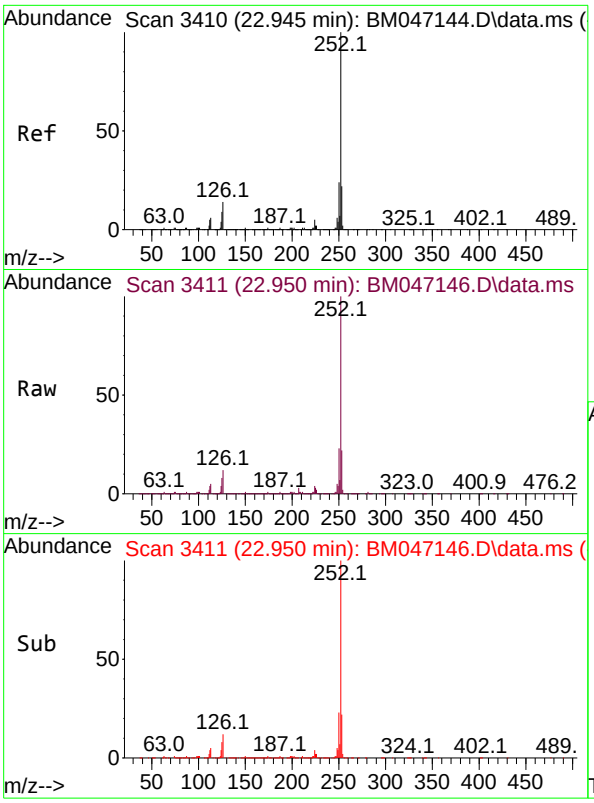


#88
Benzo(b)fluoranthene
Concen: 60.962 ng
RT: 22.897 min Scan# 3402
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:252 Resp: 7789248

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.6	7.4	11.0



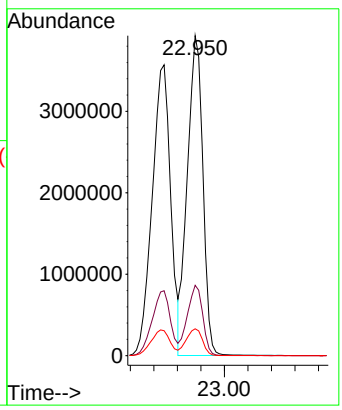


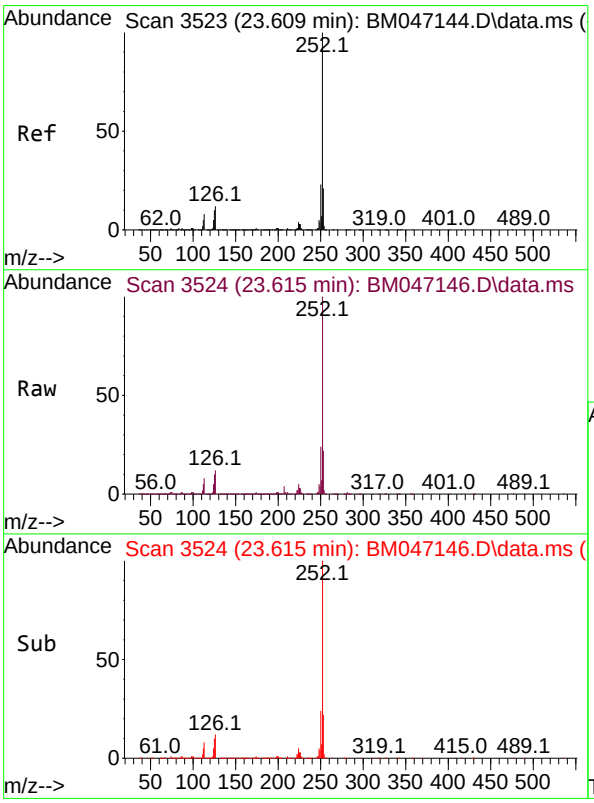
#89
Benzo(k)fluoranthene
Concen: 59.680 ng
RT: 22.950 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 7202578

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.4	7.4	11.2

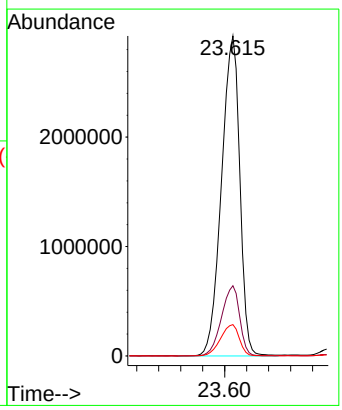


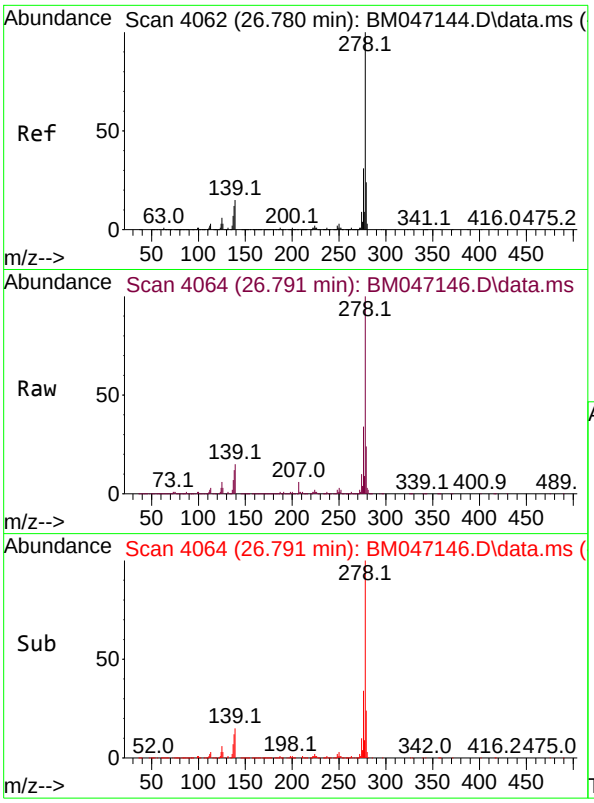


#90
Benzo(a)pyrene
Concen: 60.997 ng
RT: 23.615 min Scan# 3524
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:252 Resp: 6751397

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.8	8.2	12.2



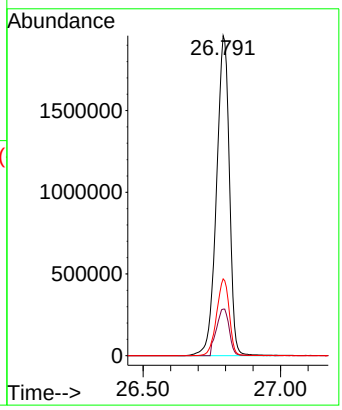


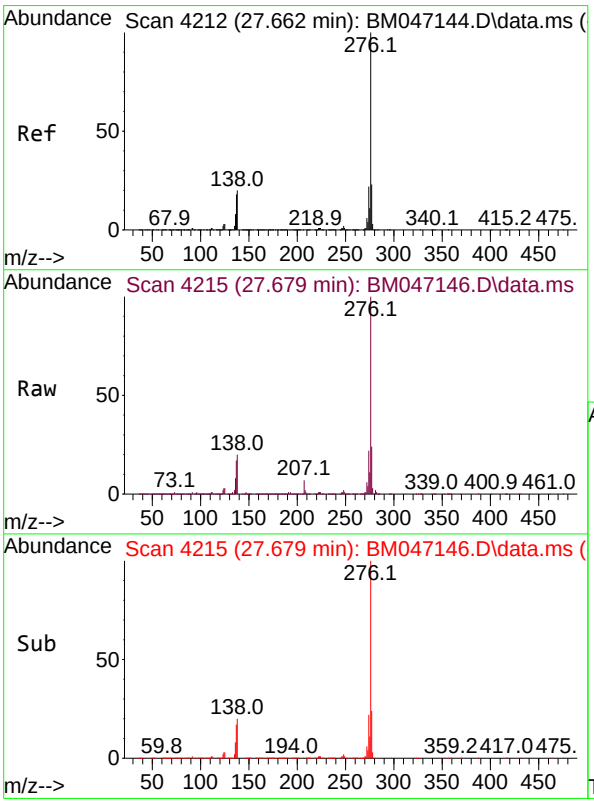
#91
Dibenzo(a,h)anthracene
Concen: 56.576 ng
RT: 26.791 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 6367453

Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.0	18.0
279	24.0	19.2	28.8

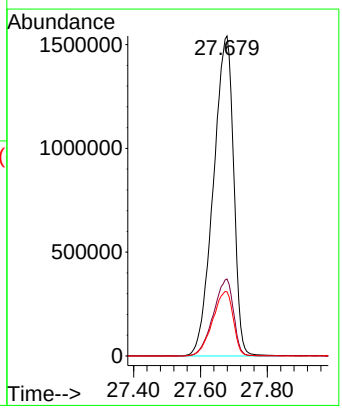




#92
Benzo(g,h,i)perylene
Concen: 55.488 ng
RT: 27.679 min Scan# 4215
Delta R.T. 0.017 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:276 Resp: 6483852

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	20.1	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047147.D
Acq On : 10 Aug 2024 17:51
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Aug 11 23:35:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	304450	20.000	ng		0.00
21) Naphthalene-d8	10.134	136	1204959	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	795761	20.000	ng		0.00
64) Phenanthrene-d10	16.798	188	1674812	20.000	ng		0.00
76) Chrysene-d12	21.033	240	1443265	20.000	ng		0.00
86) Perylene-d12	23.733	264	1789187	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.028	112	2548471	149.572	ng		0.00
7) Phenol-d6	6.593	99	3559773	151.625	ng		0.00
23) Nitrobenzene-d5	8.528	82	3582678	149.714	ng		0.00
42) 2,4,6-Tribromophenol	15.545	330	1437262	155.767	ng		0.00
45) 2-Fluorobiphenyl	12.645	172	7769782	150.612	ng		0.00
79) Terphenyl-d14	19.462	244	10644639	158.037	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	518861	73.496	ng		99
3) Pyridine	3.410	79	1583783m	76.560	ng		
4) n-Nitrosodimethylamine	3.328	42	678926	75.066	ng		96
6) Aniline	6.734	93	1624949	73.227	ng		99
8) 2-Chlorophenol	6.951	128	1372864	73.876	ng		99
10) Phenol	6.616	94	1769382	75.529	ng		99
11) bis(2-Chloroethyl)ether	6.834	93	1474612	73.503	ng		99
12) 1,3-Dichlorobenzene	7.263	146	1643503	74.424	ng		99
13) 1,4-Dichlorobenzene	7.410	146	1656531	74.089	ng		100
14) 1,2-Dichlorobenzene	7.722	146	1535913	72.806	ng		99
15) Benzyl Alcohol	7.634	79	1293991	77.443	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1798177	69.769	ng		100
17) 2-Methylphenol	7.834	107	1167820	74.722	ng		99
18) Hexachloroethane	8.428	117	649682	75.015	ng		99
19) n-Nitroso-di-n-propyla...	8.198	70	1114969	70.505	ng		98
20) 3+4-Methylphenols	8.169	107	1646698	75.366	ng		99
22) Acetophenone	8.198	105	2124216	73.033	ng	#	98
24) Nitrobenzene	8.569	77	1777843	73.781	ng		99
25) Isophorone	9.098	82	3163607	75.927	ng		99
26) 2-Nitrophenol	9.263	139	891212	83.514	ng		99
27) 2,4-Dimethylphenol	9.345	122	981455	78.514	ng		99
28) bis(2-Chloroethoxy)met...	9.581	93	1908847	72.808	ng		98
29) 2,4-Dichlorophenol	9.798	162	1485940	80.115	ng		100
30) 1,2,4-Trichlorobenzene	10.004	180	1625842	77.458	ng		100
31) Naphthalene	10.181	128	4520274	75.304	ng		99
32) Benzoic acid	9.575	122	1293498	88.571	ng		99
33) 4-Chloroaniline	10.316	127	1753660	75.970	ng		100
34) Hexachlorobutadiene	10.469	225	991890	80.736	ng		99
35) Caprolactam	11.151	113	523592m	81.288	ng		
36) 4-Chloro-3-methylphenol	11.463	107	1559534	78.951	ng		99
37) 2-Methylnaphthalene	11.810	142	3301008	77.236	ng		99
38) 1-Methylnaphthalene	12.033	142	3232647	76.532	ng		99
40) 1,2,4,5-Tetrachloroben...	12.192	216	1736758	80.017	ng		99
41) Hexachlorocyclopentadiene	12.169	237	620195	81.830	ng		97
43) 2,4,6-Trichlorophenol	12.451	196	1259185	81.622	ng		99
44) 2,4,5-Trichlorophenol	12.522	196	1383585	80.776	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047147.D
Acq On : 10 Aug 2024 17:51
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Aug 11 23:35:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

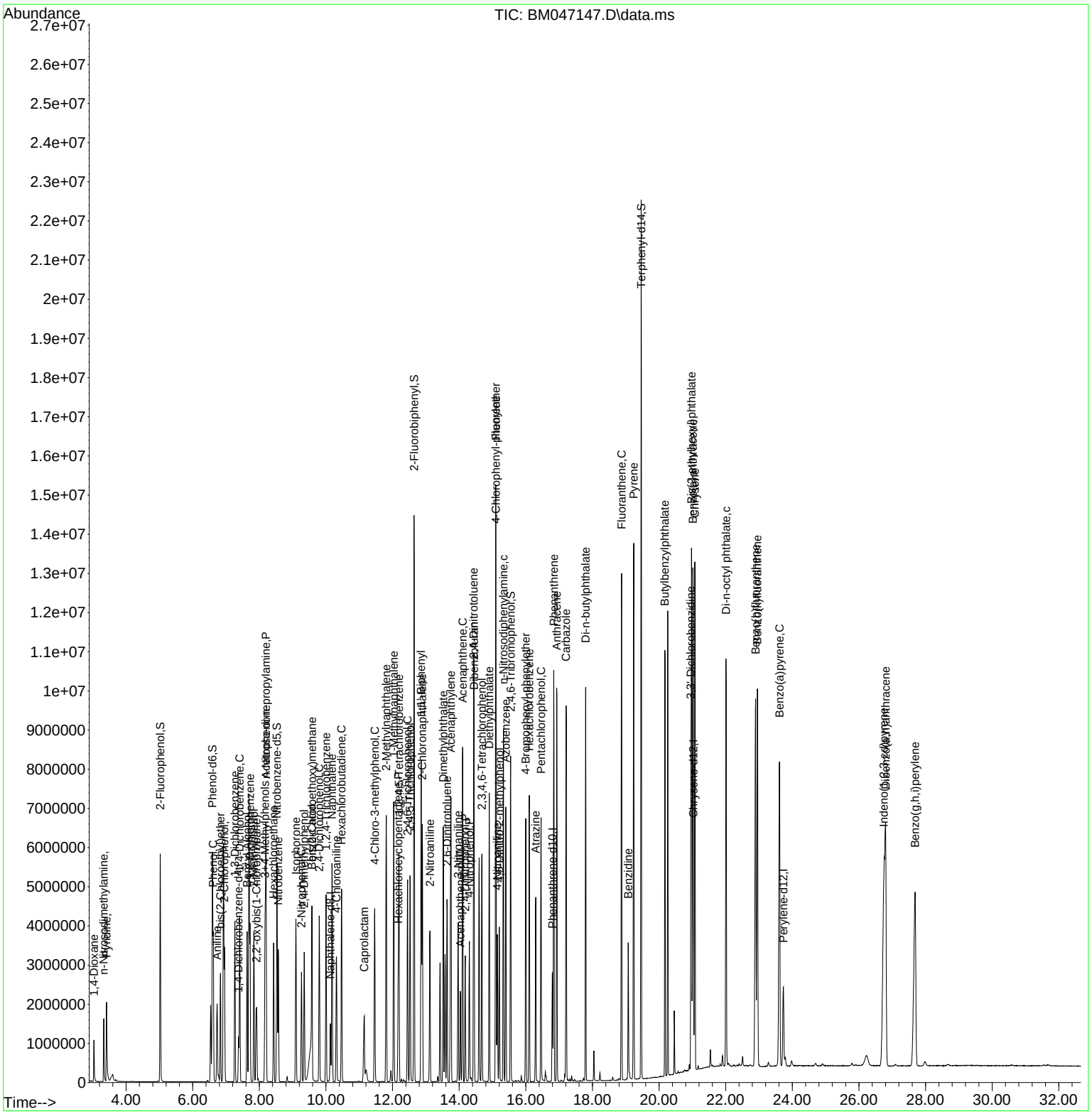
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	12.857	154	4241252	74.866	ng	98
47) 2-Chloronaphthalene	12.892	162	3319138	74.960	ng	99
48) 2-Nitroaniline	13.122	65	1090521	78.614	ng	99
49) Acenaphthylene	13.751	152	4945706	75.775	ng	99
50) Dimethylphthalate	13.522	163	4196226	75.503	ng	99
51) 2,6-Dinitrotoluene	13.639	165	1028020	79.128	ng	91
52) Acenaphthene	14.104	154	3144083	75.941	ng	99
53) 3-Nitroaniline	13.969	138	1034545	79.468	ng	100
54) 2,4-Dinitrophenol	14.180	184	674624	86.639	ng	96
55) Dibenzofuran	14.445	168	4887362	74.735	ng	99
56) 4-Nitrophenol	14.304	139	913035	81.334	ng	96
57) 2,4-Dinitrotoluene	14.433	165	1370129	79.012	ng	97
58) Fluorene	15.098	166	4025459	74.602	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.680	232	1128723	80.180	ng	98
60) Diethylphthalate	14.904	149	4257104	75.010	ng	98
61) 4-Chlorophenyl-phenyle...	15.104	204	1997247	77.748	ng	96
62) 4-Nitroaniline	15.145	138	1020427	79.564	ng	99
63) Azobenzene	15.398	77	3920766	72.861	ng	97
65) 4,6-Dinitro-2-methylph...	15.204	198	820182	83.643	ng	97
66) n-Nitrosodiphenylamine	15.327	169	3446873	75.560	ng	99
67) 4-Bromophenyl-phenylether	15.998	248	1277742	79.172	ng	99
68) Hexachlorobenzene	16.104	284	1481615	76.654	ng	98
69) Atrazine	16.298	200	862020	62.797	ng	99
70) Pentachlorophenol	16.457	266	1115403	82.323	ng	98
71) Phenanthrene	16.839	178	6356974	75.631	ng	100
72) Anthracene	16.933	178	6203287	75.850	ng	100
73) Carbazole	17.210	167	6250976	74.858	ng	100
74) Di-n-butylphthalate	17.798	149	7355197	75.700	ng	100
75) Fluoranthene	18.874	202	7852169	76.805	ng	99
77) Benzidine	19.074	184	1943953	79.424	ng	100
78) Pyrene	19.239	202	8163599	79.218	ng	100
80) Butylbenzylphthalate	20.174	149	3437732	81.742	ng	100
81) Benzo(a)anthracene	21.015	228	7463024	77.892	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	2359199	78.698	ng	99
83) Chrysene	21.074	228	6992860	76.926	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	4711826	79.001	ng	99
85) Di-n-octyl phthalate	22.009	149	8464049	83.492	ng	99
87) Indeno(1,2,3-cd)pyrene	26.750	276	9258642	80.058	ng	99
88) Benzo(b)fluoranthene	22.897	252	8329223	78.391	ng	99
89) Benzo(k)fluoranthene	22.950	252	7726234	76.985	ng	99
90) Benzo(a)pyrene	23.615	252	7338002	79.723	ng	98
91) Dibenzo(a,h)anthracene	26.803	278	7361474	78.655	ng	99
92) Benzo(g,h,i)perylene	27.685	276	7705035	79.293	ng	99

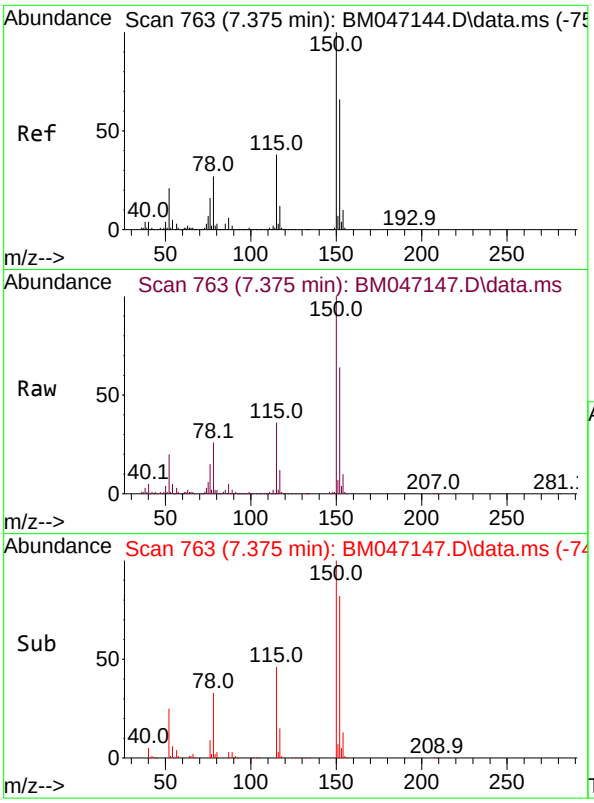
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047147.D
Acq On : 10 Aug 2024 17:51
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Aug 11 23:35:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



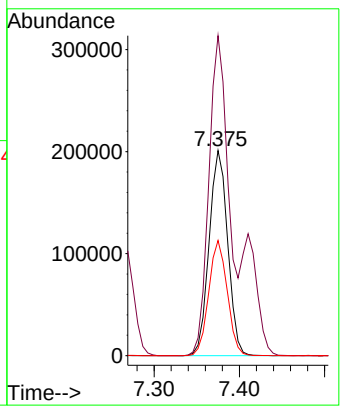


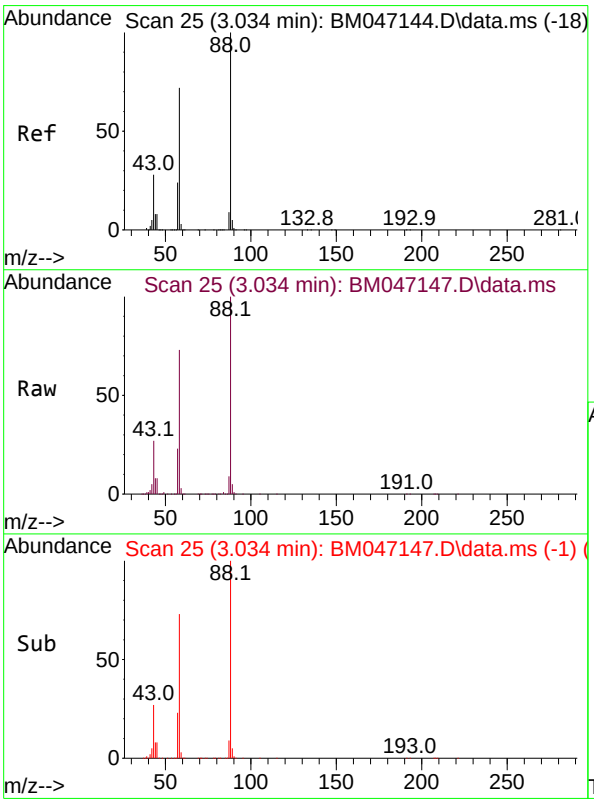
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 304450

Ion	Ratio	Lower	Upper
152	100		
150	156.0	120.5	180.7
115	56.2	45.5	68.3

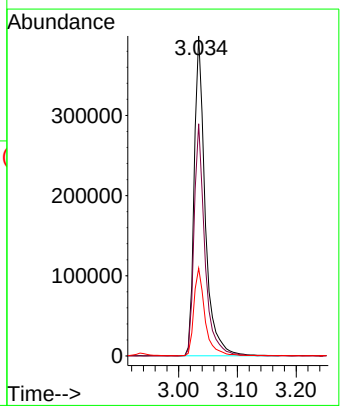


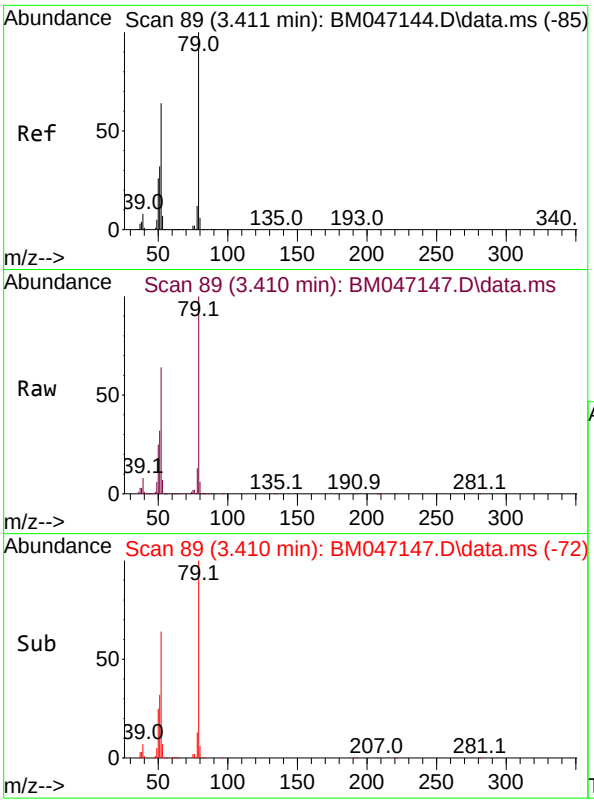


#2
1,4-Dioxane
Concen: 73.496 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 88 Resp: 518861

Ion	Ratio	Lower	Upper
88	100		
58	71.3	58.2	87.4
43	27.8	22.5	33.7



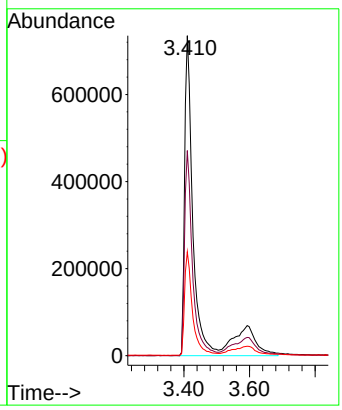


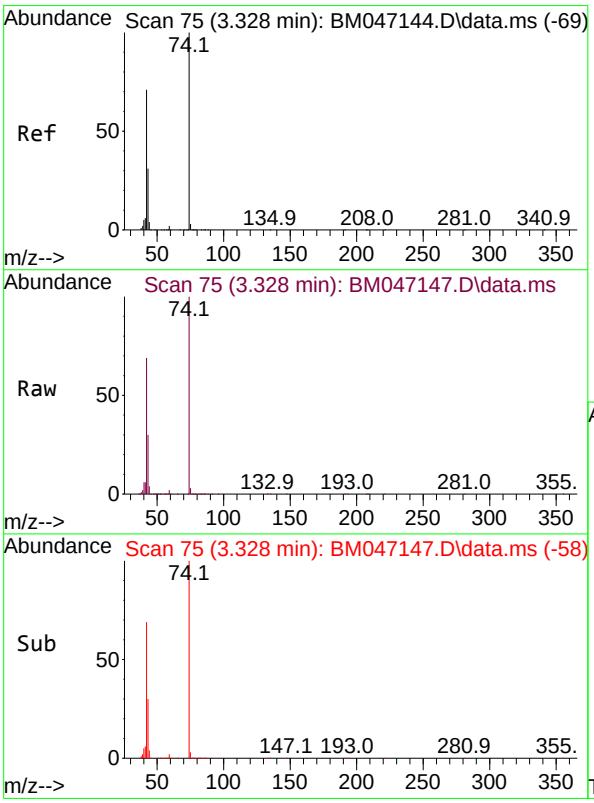
#3
Pyridine
Concen: 76.560 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1583783

Ion	Ratio	Lower	Upper
79	100		
52	64.1	51.2	76.8
51	32.4	26.1	39.1

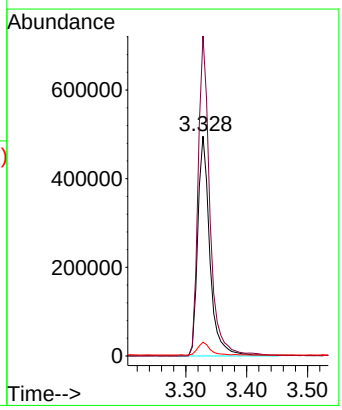


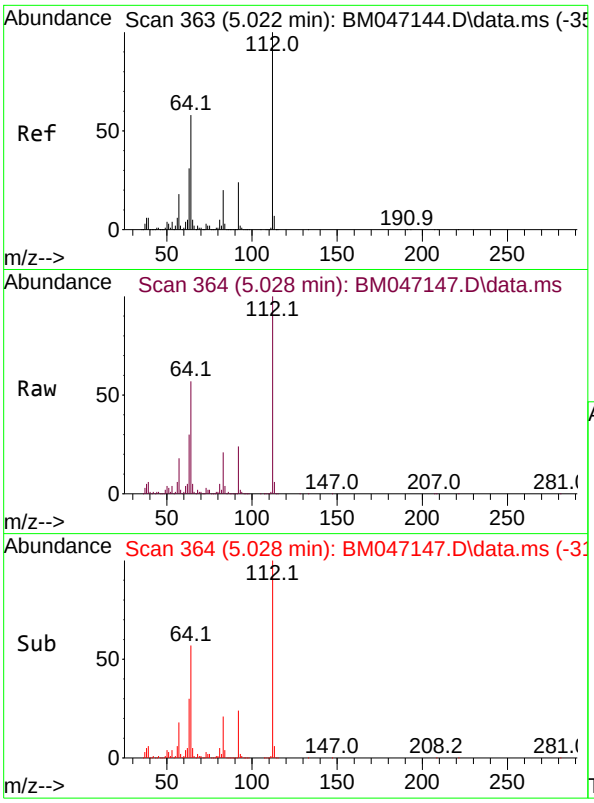


#4
n-Nitrosodimethylamine
Concen: 75.066 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 42 Resp: 678926

Ion	Ratio	Lower	Upper
42	100		
74	145.6	112.9	169.3
44	6.3	5.3	7.9



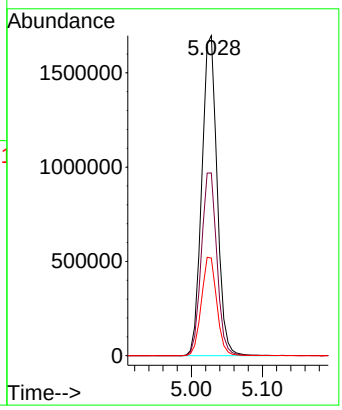


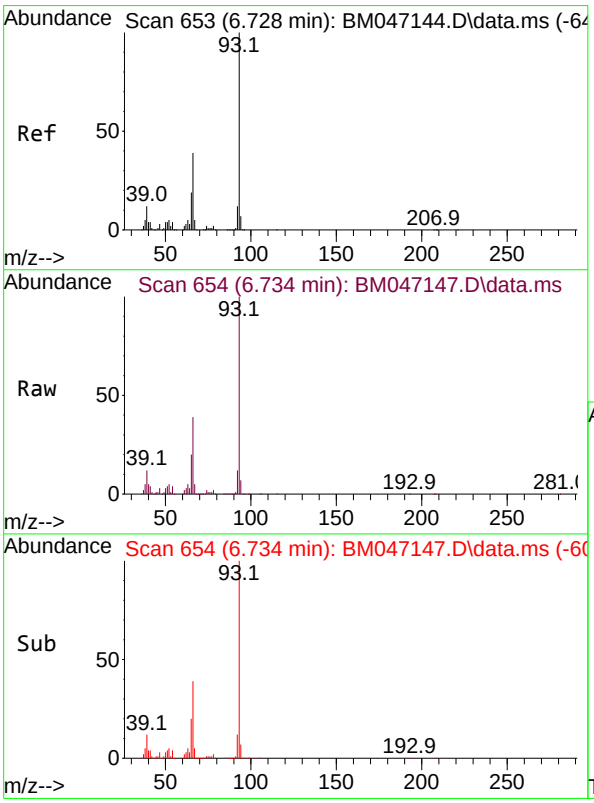
#5
2-Fluorophenol
Concen: 149.572 ng
RT: 5.028 min Scan# 3(
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2548471

Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.7	70.1
63	30.5	24.8	37.2

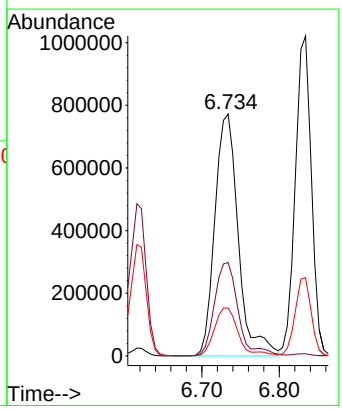


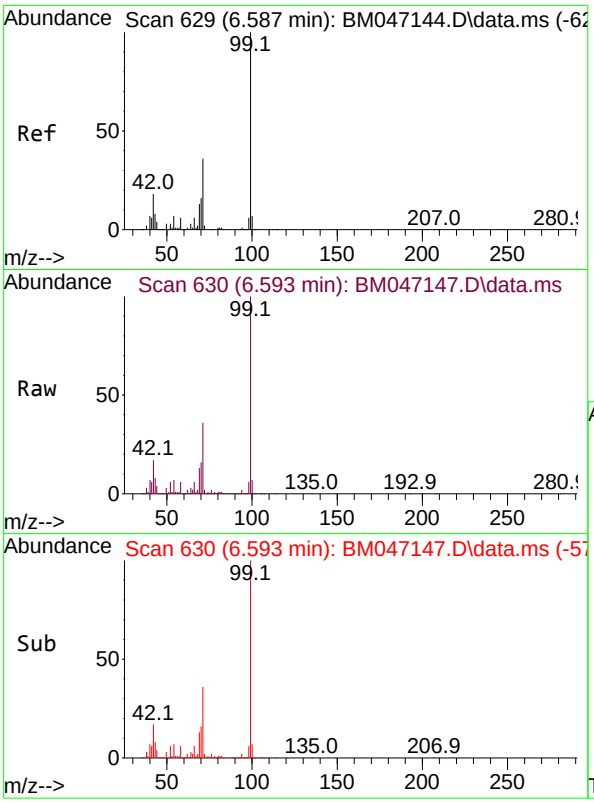


#6
Aniline
Concen: 73.227 ng
RT: 6.734 min Scan# 654
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 93 Resp: 1624949

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.4	47.2
65	19.8	15.6	23.4



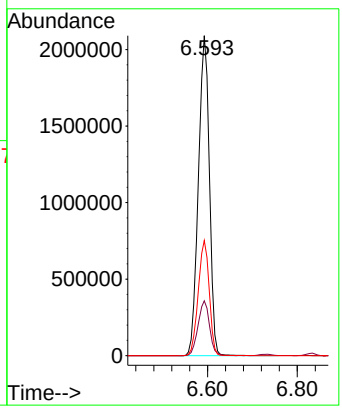


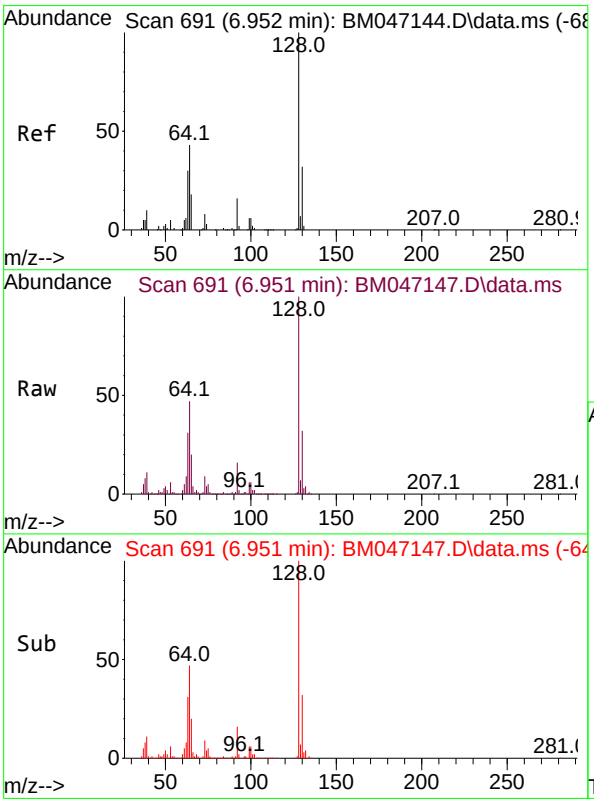
#7
Phenol-d6
Concen: 151.625 ng
RT: 6.593 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3559773

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.1	21.1
71	36.0	28.5	42.7

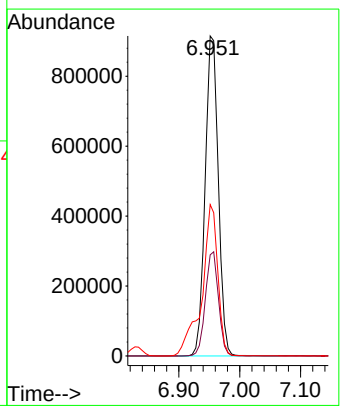


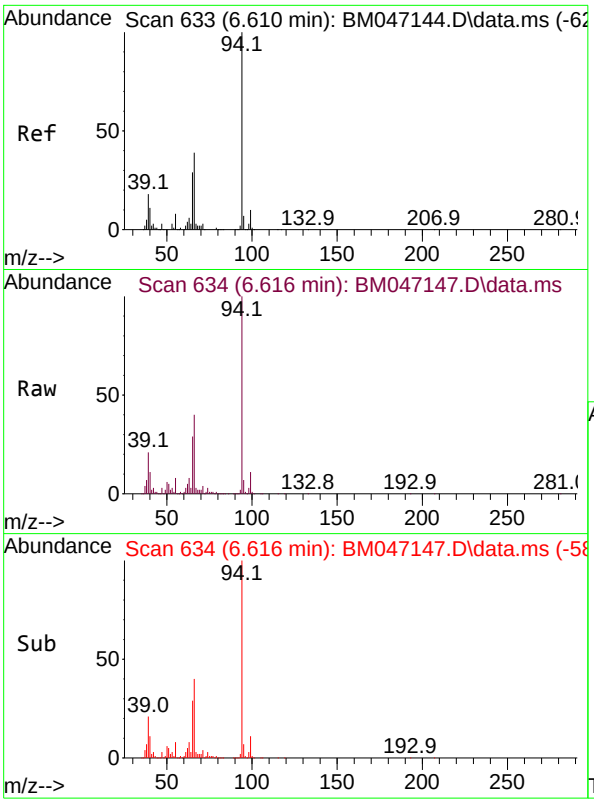


#8
2-Chlorophenol
Concen: 73.876 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:128 Resp: 1372864

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.1	52.1
64	47.3	26.6	66.6



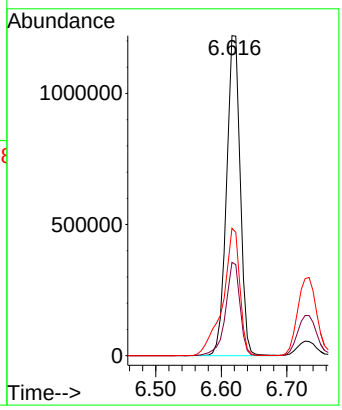


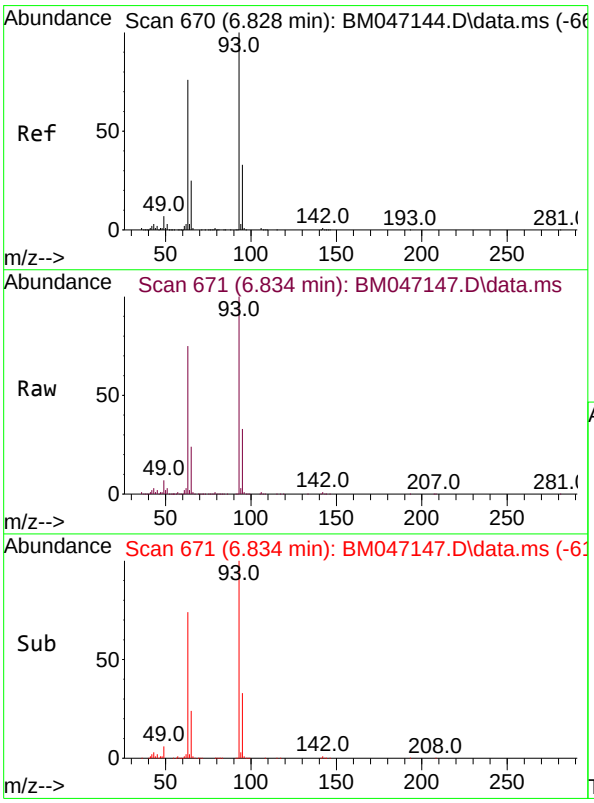
#10
Phenol
Concen: 75.529 ng
RT: 6.616 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 1769382

Ion	Ratio	Lower	Upper
94	100		
65	29.1	9.0	49.0
66	39.8	18.9	58.9

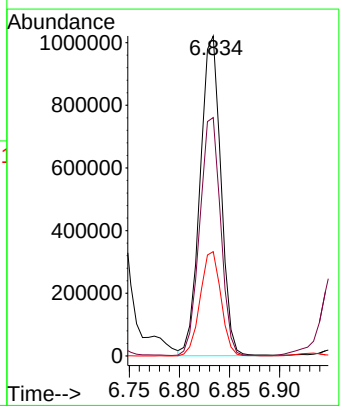


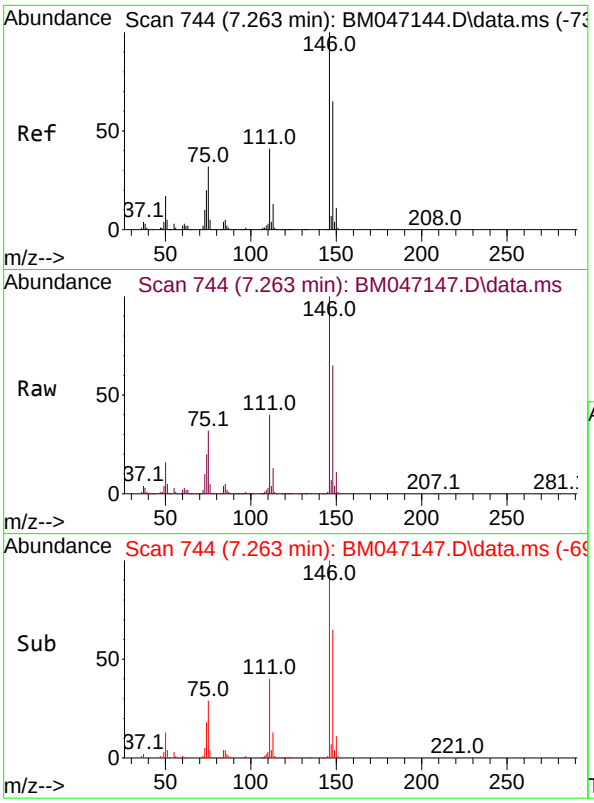


#11
bis(2-Chloroethyl)ether
Concen: 73.503 ng
RT: 6.834 min Scan# 671
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 93 Resp: 1474612

Ion	Ratio	Lower	Upper
93	100		
63	74.5	55.8	95.8
95	32.6	12.7	52.7



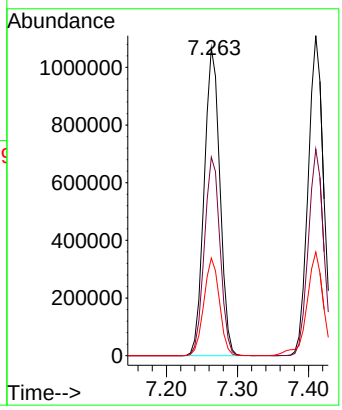


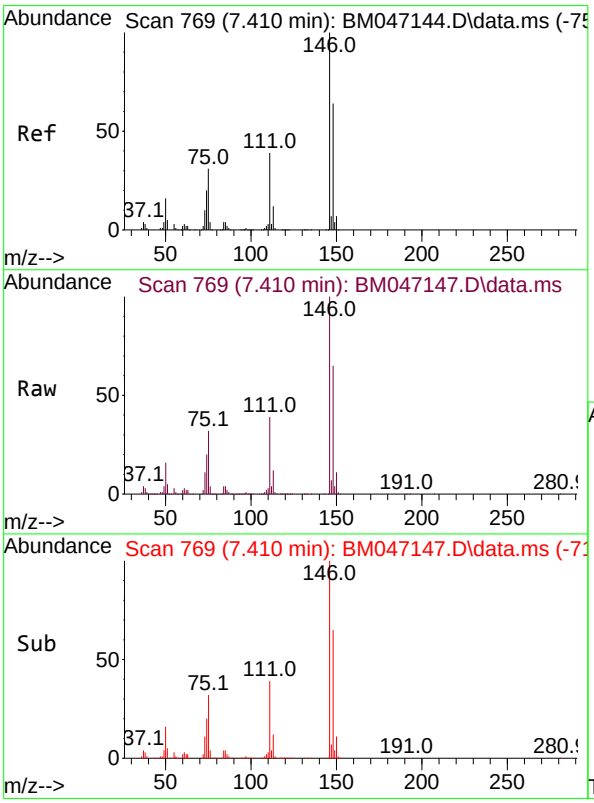
#12
1,3-Dichlorobenzene
Concen: 74.424 ng
RT: 7.263 min Scan# 74
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1643503

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.3	78.5
75	31.7	25.8	38.6

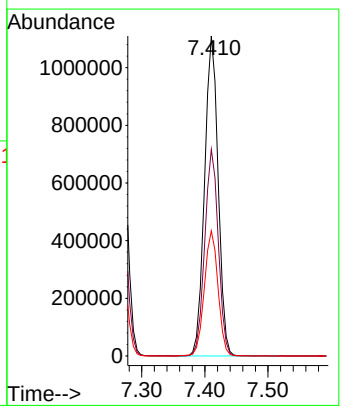


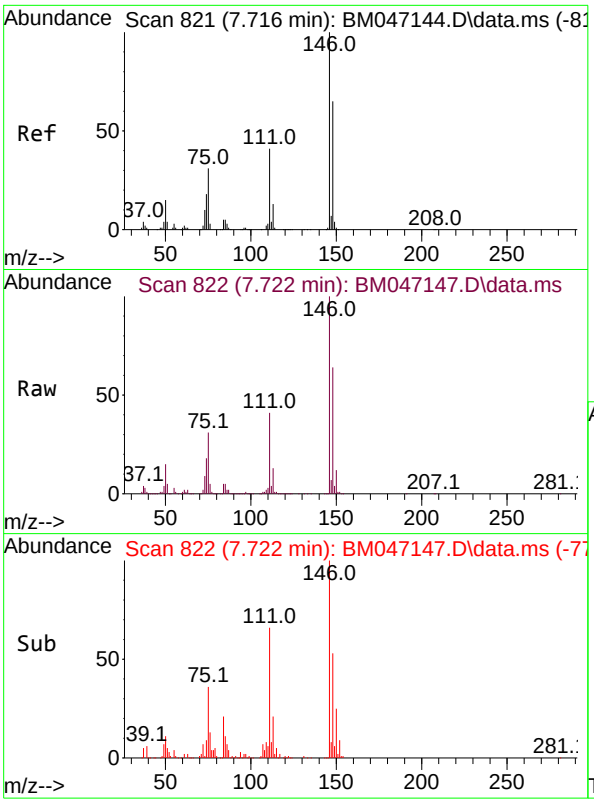


#13
1,4-Dichlorobenzene
Concen: 74.089 ng
RT: 7.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:146 Resp: 1656531

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	39.1	31.5	47.3



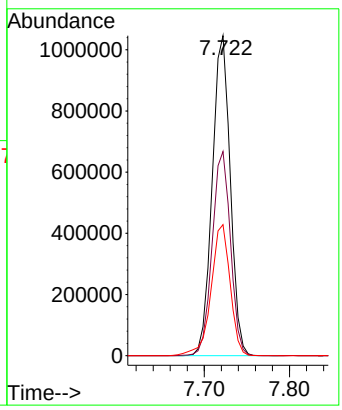


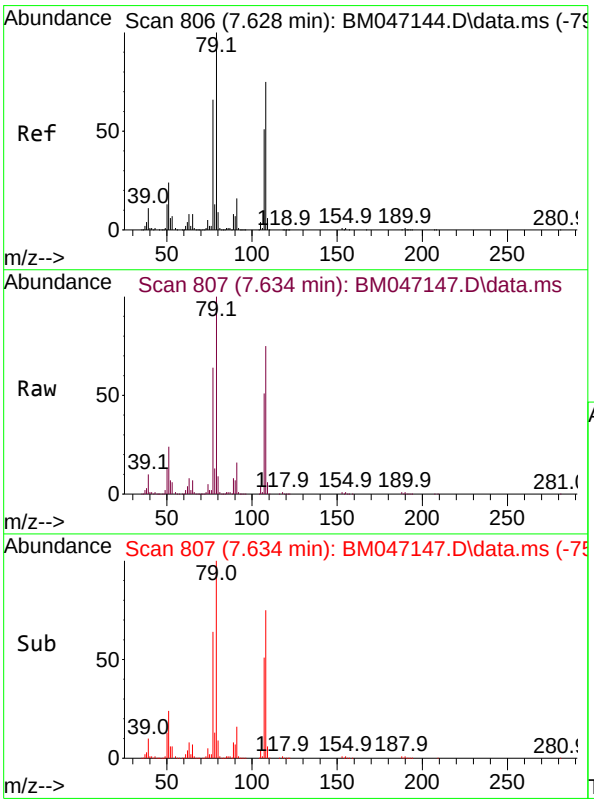
#14
1,2-Dichlorobenzene
Concen: 72.806 ng
RT: 7.722 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1535913

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.8
111	41.0	33.3	49.9

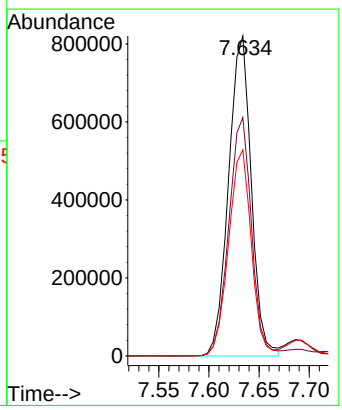


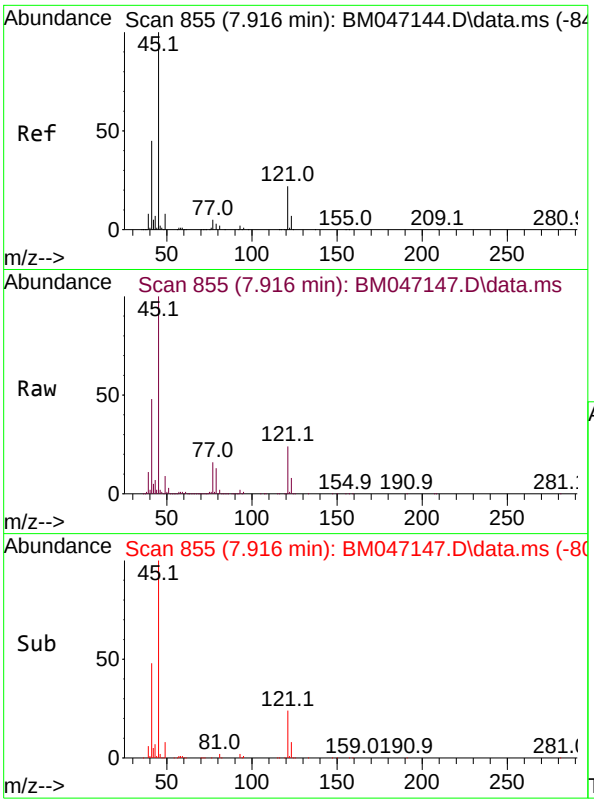


#15
Benzyl Alcohol
Concen: 77.443 ng
RT: 7.634 min Scan# 807
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 79 Resp: 1293991

Ion	Ratio	Lower	Upper
79	100		
108	74.5	59.7	89.5
77	64.4	52.9	79.3



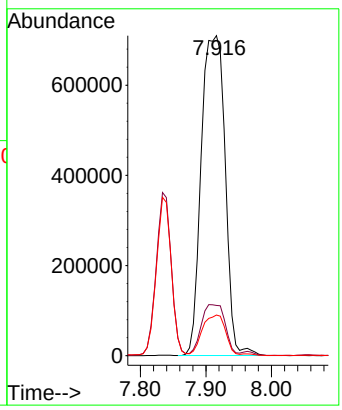


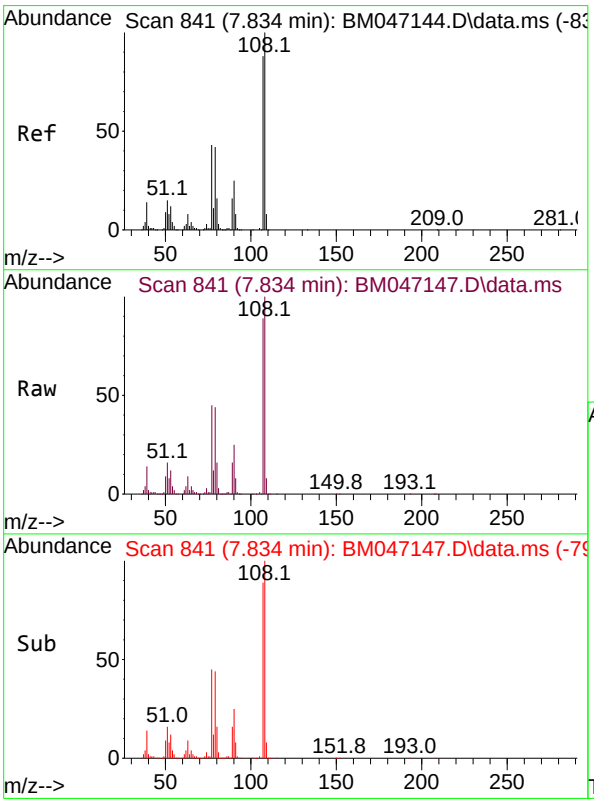
#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.769 ng
RT: 7.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 1798177

Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	35.6
79	12.7	0.0	32.4

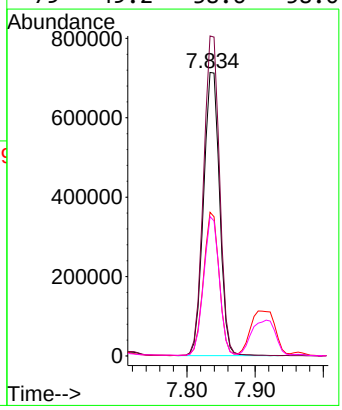


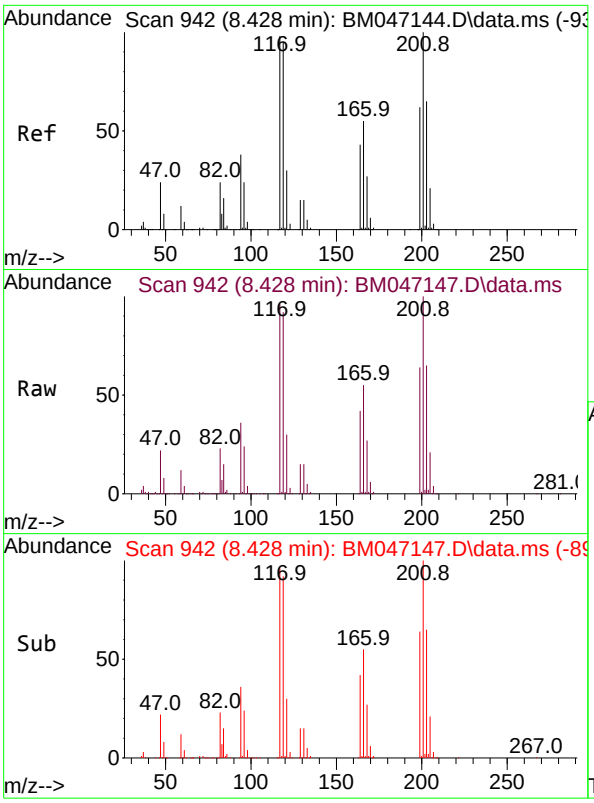


#17
2-Methylphenol
Concen: 74.722 ng
RT: 7.834 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:107 Resp: 1167820

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.6	135.8
77	50.7	39.3	58.9
79	49.2	38.6	58.0



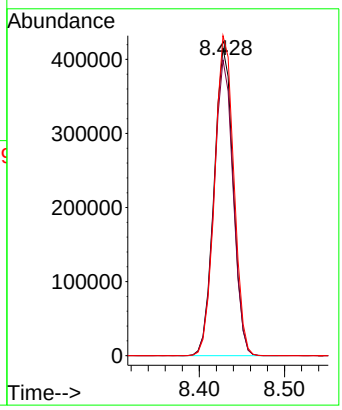


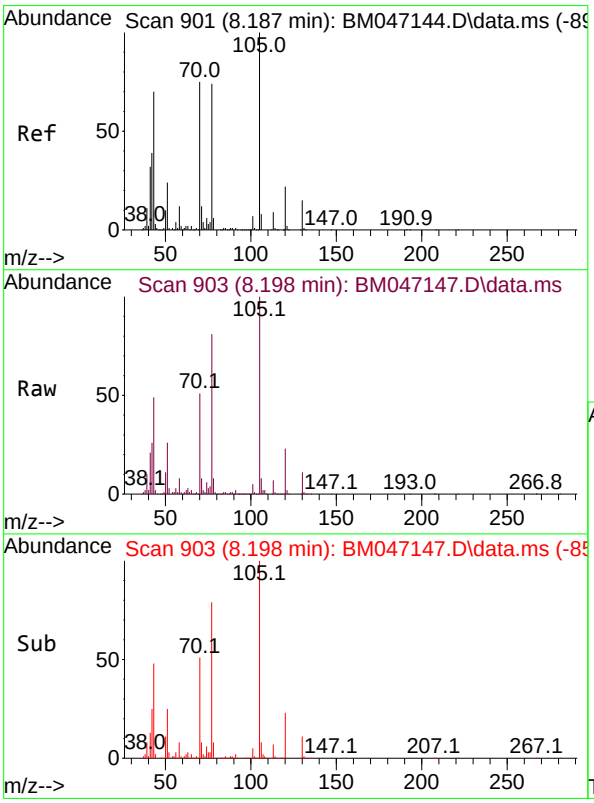
#18
Hexachloroethane
Concen: 75.015 ng
RT: 8.428 min Scan# 94
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 649682

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
201	104.1	81.3	121.9

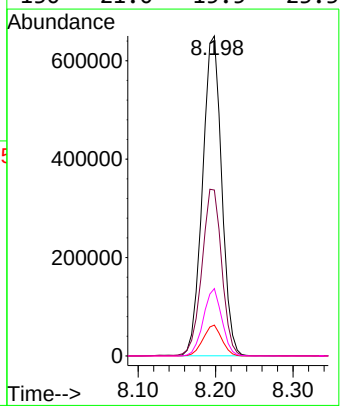


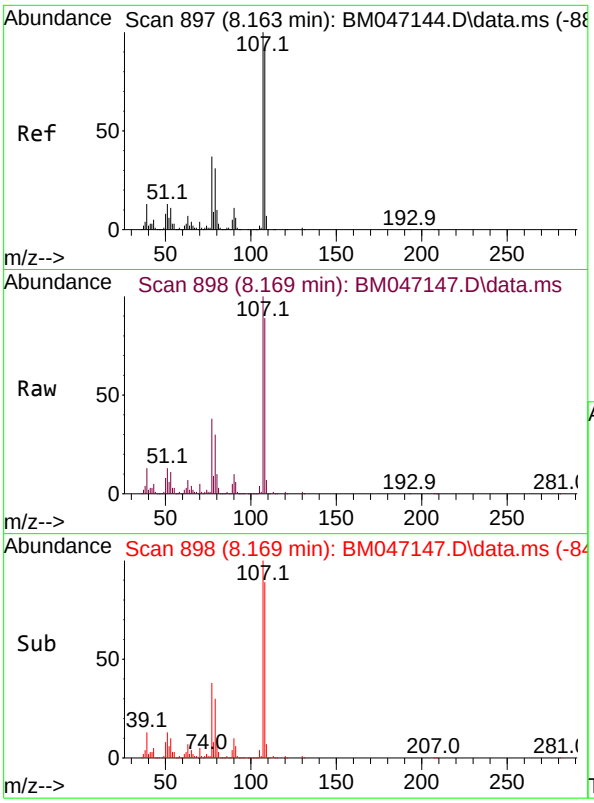


#19
n-Nitroso-di-n-propylamine
Concen: 70.505 ng
RT: 8.198 min Scan# 903
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 70 Resp: 1114969

Ion	Ratio	Lower	Upper
70	100		
42	51.9	42.0	63.0
101	9.6	7.2	10.8
130	21.0	15.5	23.3



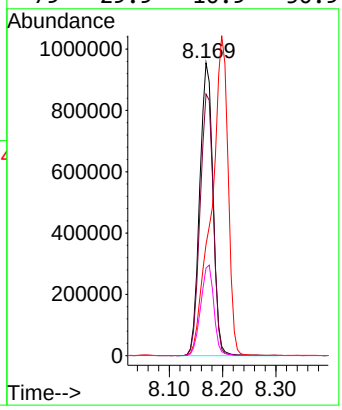


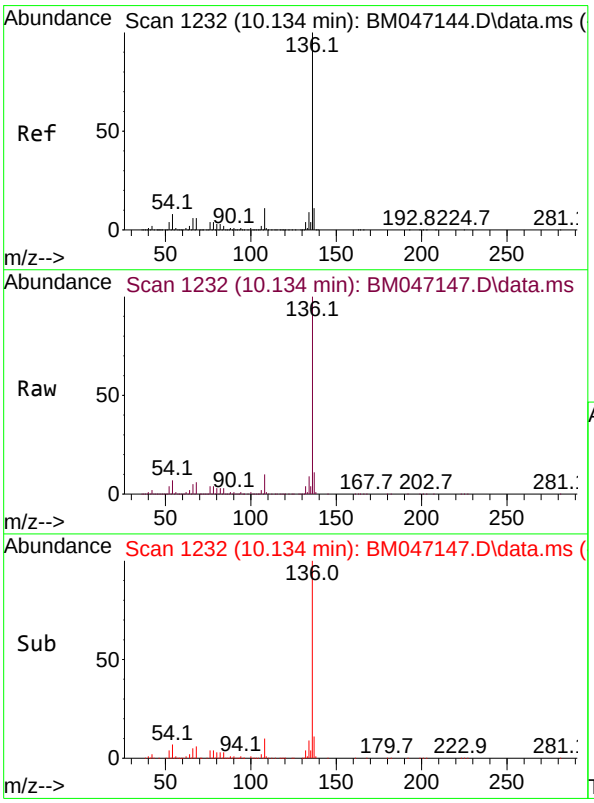
#20
3+4-Methylphenols
Concen: 75.366 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1646698

Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.7	110.7
77	38.0	17.4	57.4
79	29.9	10.9	50.9

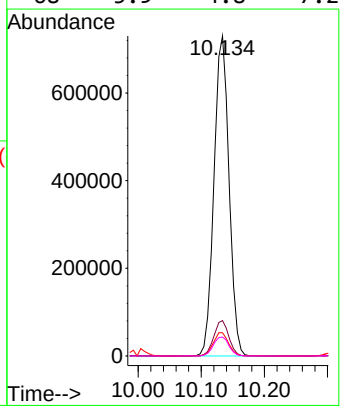


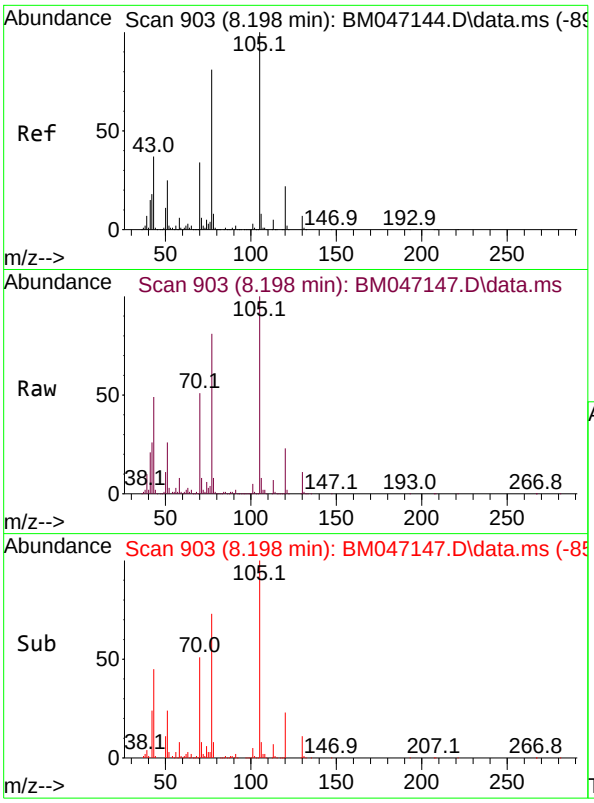


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.134 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:136 Resp: 1204959

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.2	6.0	9.0
68	5.9	4.8	7.2



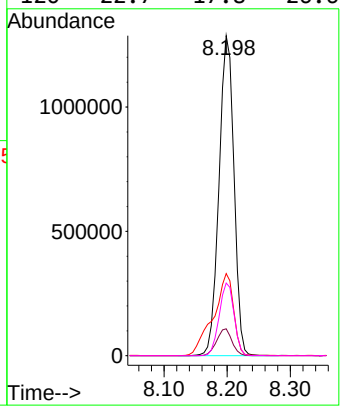


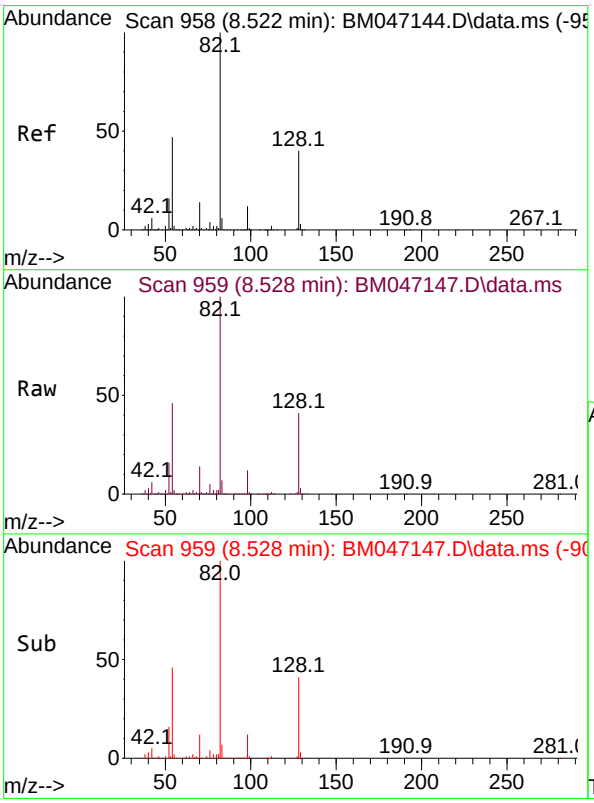
#22
Acetophenone
Concen: 73.033 ng
RT: 8.198 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 2124216

Ion	Ratio	Lower	Upper
105	100		
71	8.4	4.5	6.7#
51	25.6	20.1	30.1
120	22.7	17.8	26.6

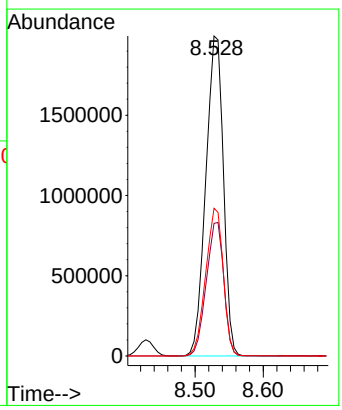


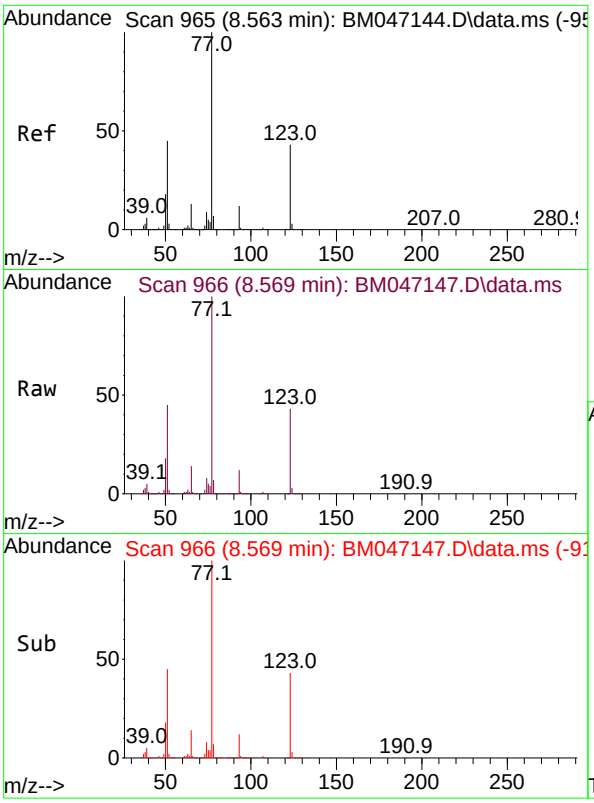


#23
Nitrobenzene-d5
Concen: 149.714 ng
RT: 8.528 min Scan# 959
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 82 Resp: 3582678

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.3	48.5
54	46.1	37.4	56.2



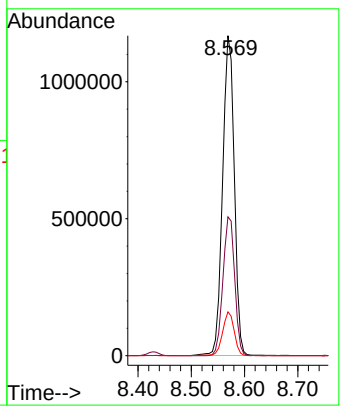


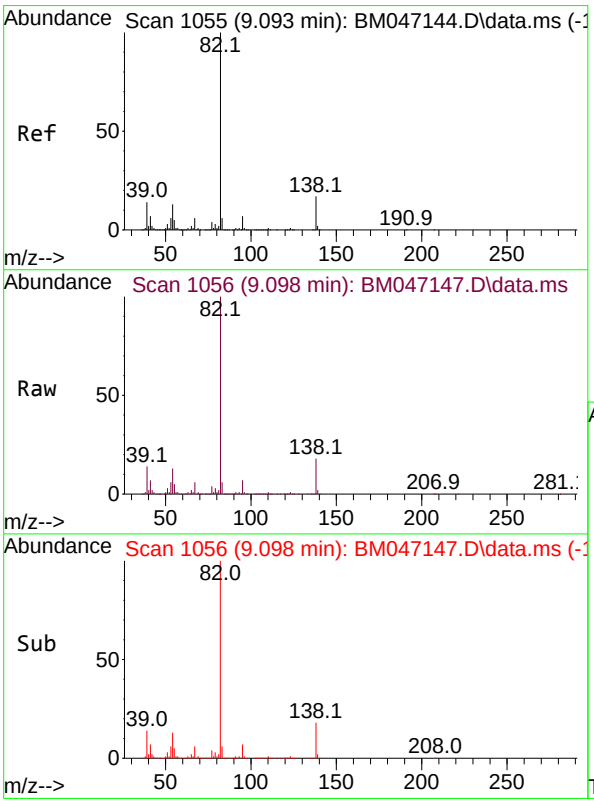
#24
Nitrobenzene
Concen: 73.781 ng
RT: 8.569 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1777843

Ion	Ratio	Lower	Upper
77	100		
123	43.4	34.0	51.0
65	13.7	10.5	15.7

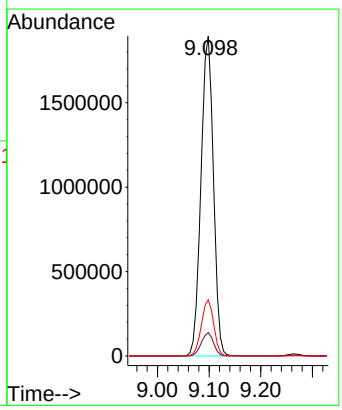


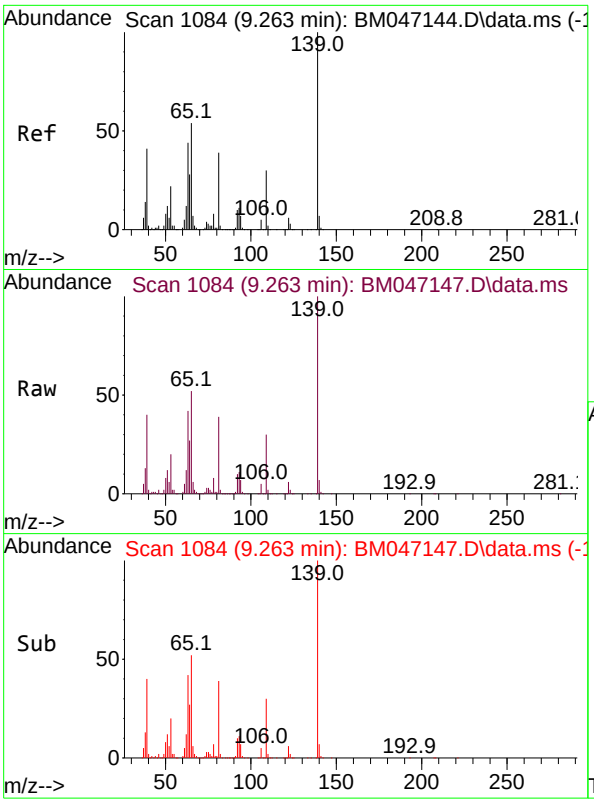


#25
Isophorone
Concen: 75.927 ng
RT: 9.098 min Scan# 1056
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 82 Resp: 3163607

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.5	13.5	20.3



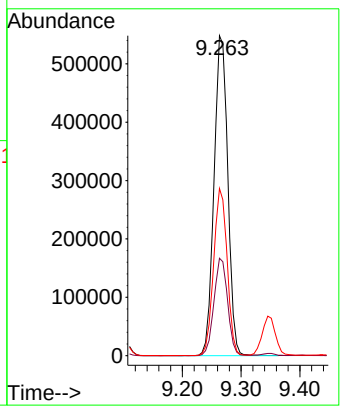


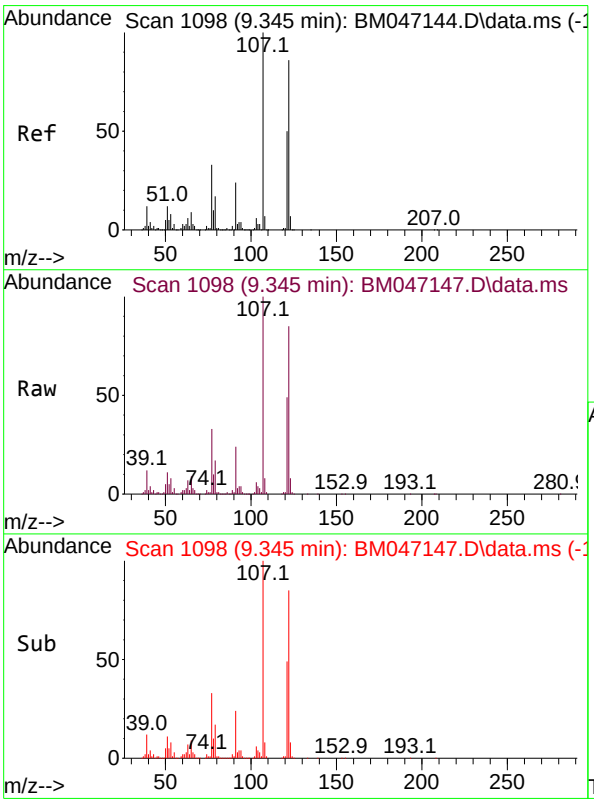
#26
2-Nitrophenol
Concen: 83.514 ng
RT: 9.263 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 891212

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.4	36.6
65	52.3	43.0	64.6

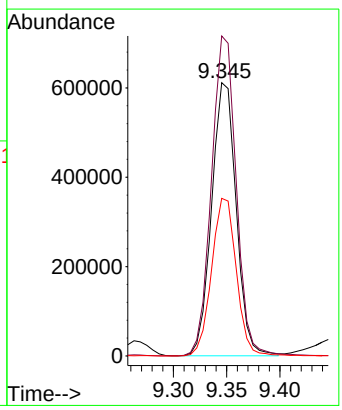


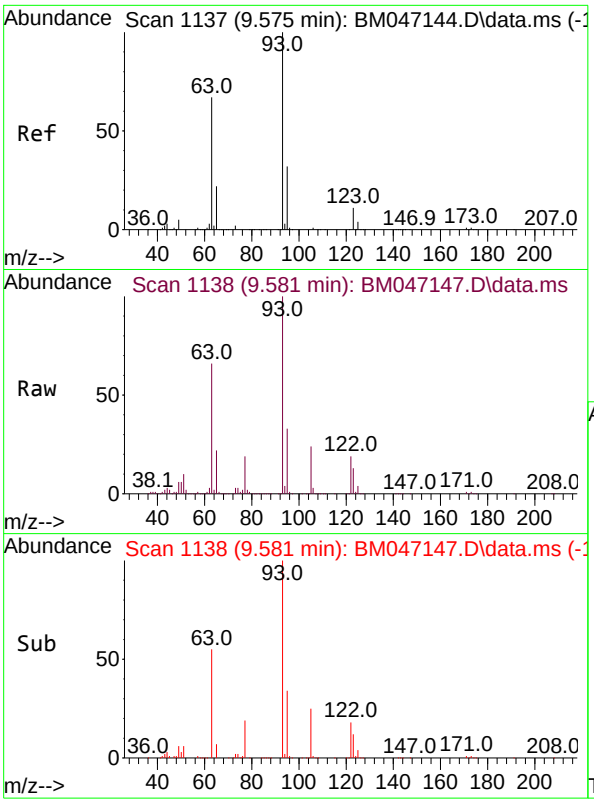


#27
2,4-Dimethylphenol
Concen: 78.514 ng
RT: 9.345 min Scan# 1098
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:122 Resp: 981455

Ion	Ratio	Lower	Upper
122	100		
107	117.1	92.8	139.2
121	57.7	46.1	69.1



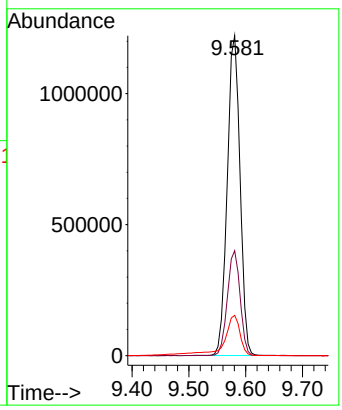


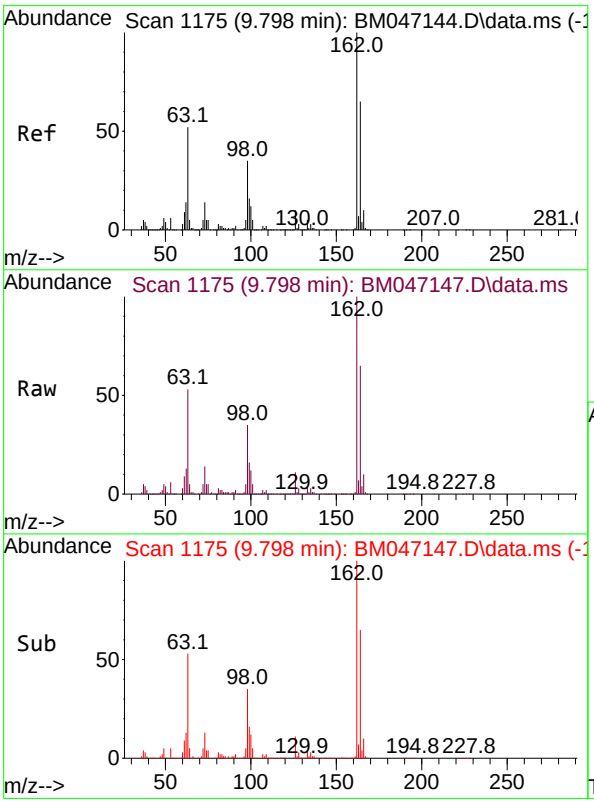
#28
bis(2-Chloroethoxy)methane
Concen: 72.808 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1908847

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	12.6	9.0	13.4

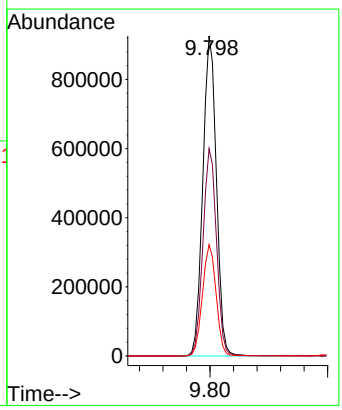


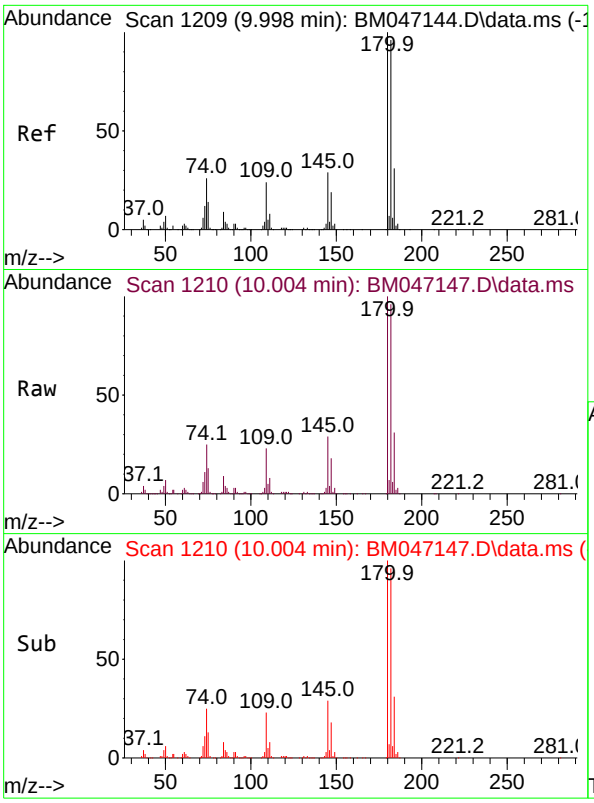


#29
2,4-Dichlorophenol
Concen: 80.115 ng
RT: 9.798 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:162 Resp: 1485940

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.7	84.7
98	34.7	14.9	54.9



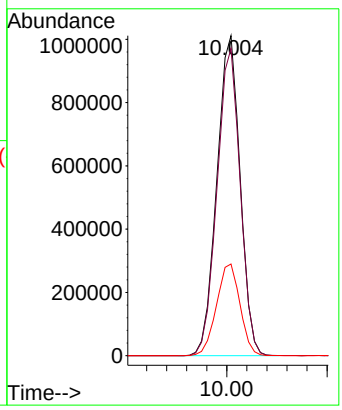


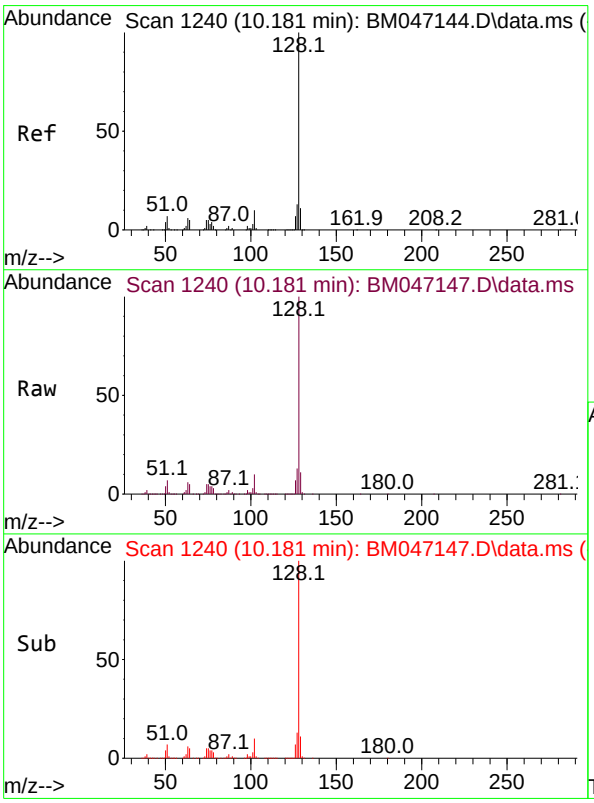
#30
1,2,4-Trichlorobenzene
Concen: 77.458 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 1625842

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
145	28.7	23.4	35.2

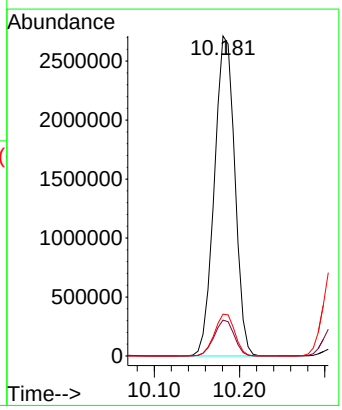


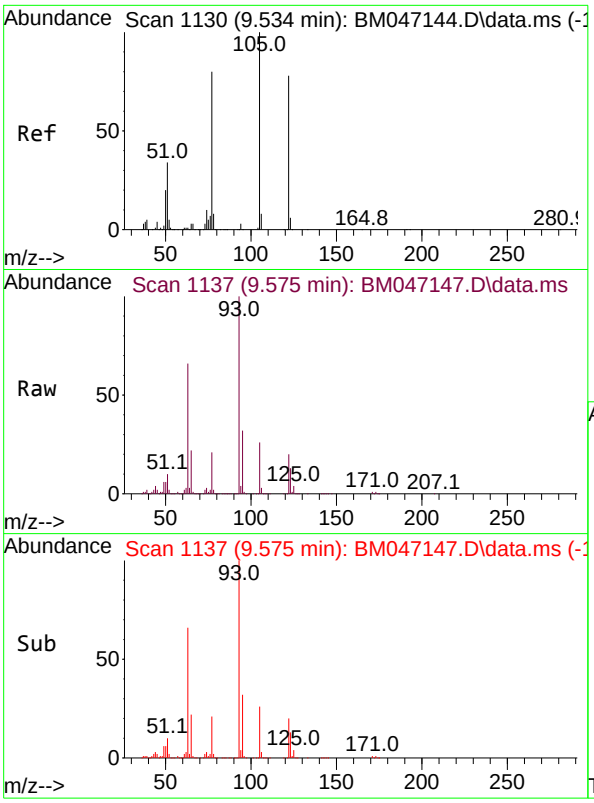


#31
Naphthalene
Concen: 75.304 ng
RT: 10.181 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:128 Resp: 4520274

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.0	10.2	15.4



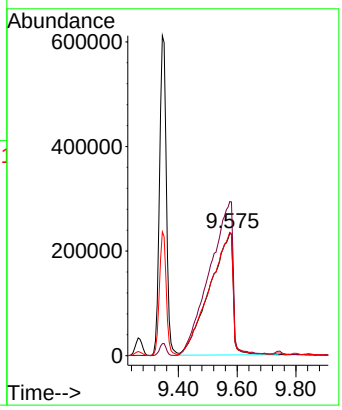


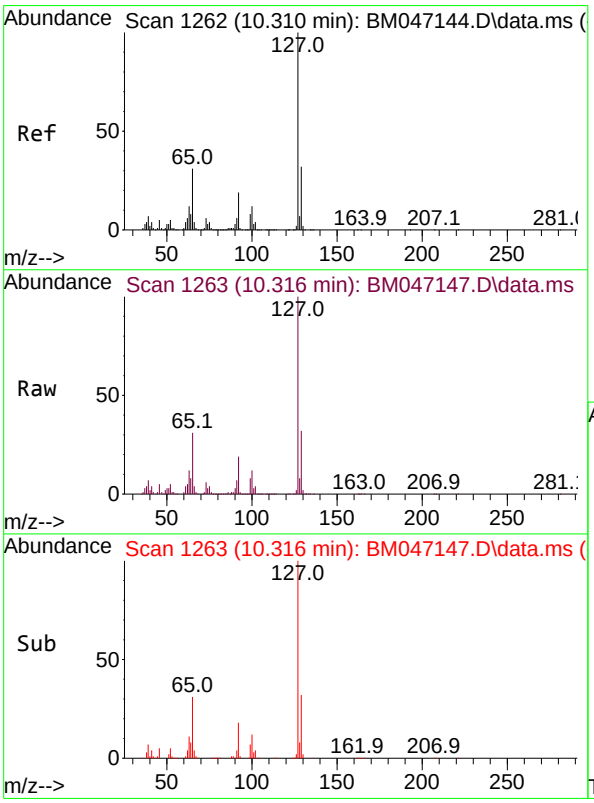
#32
Benzoic acid
Concen: 88.571 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.041 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1293498

Ion	Ratio	Lower	Upper
122	100		
105	126.0	107.1	147.1
77	100.9	82.1	122.1

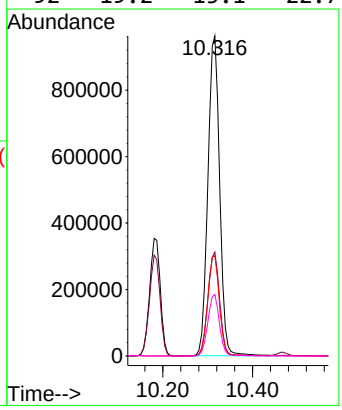


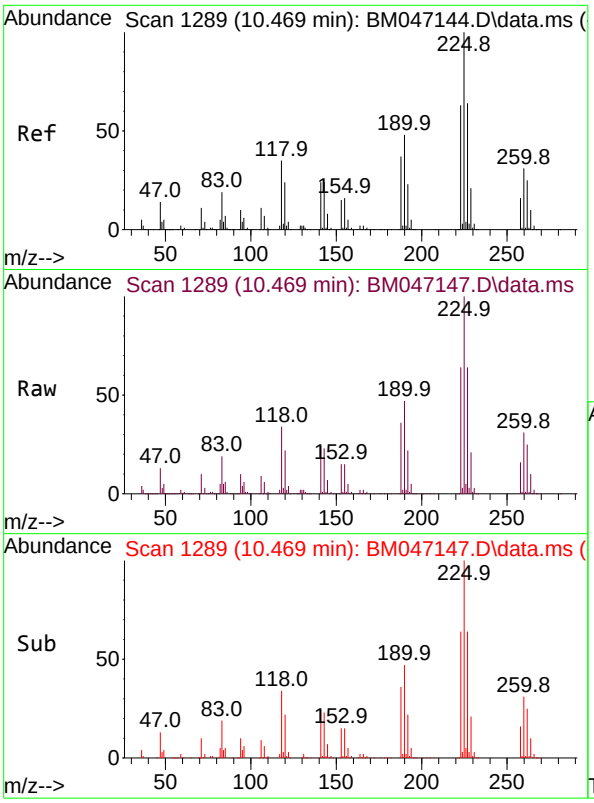


#33
4-Chloroaniline
Concen: 75.970 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:127 Resp: 1753660

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.8
65	31.4	24.9	37.3
92	19.2	15.1	22.7



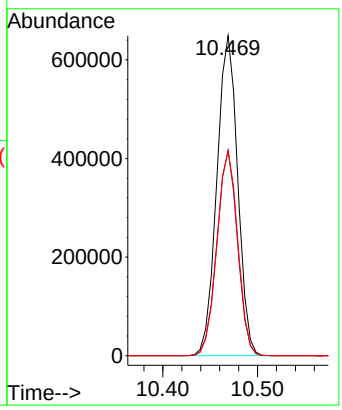


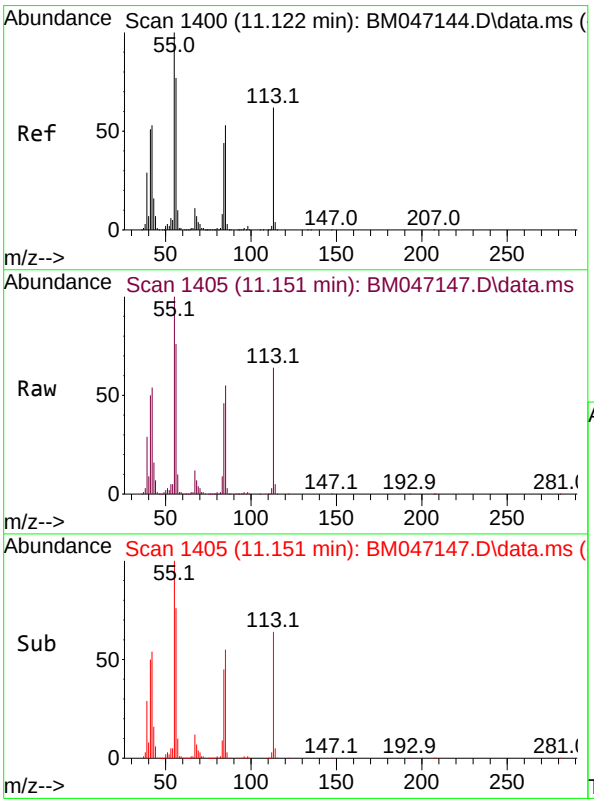
#34
Hexachlorobutadiene
Concen: 80.736 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 991890

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.2
227	64.1	51.4	77.0

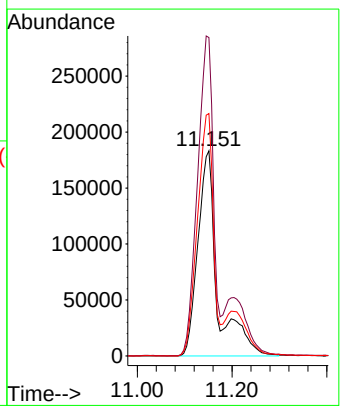


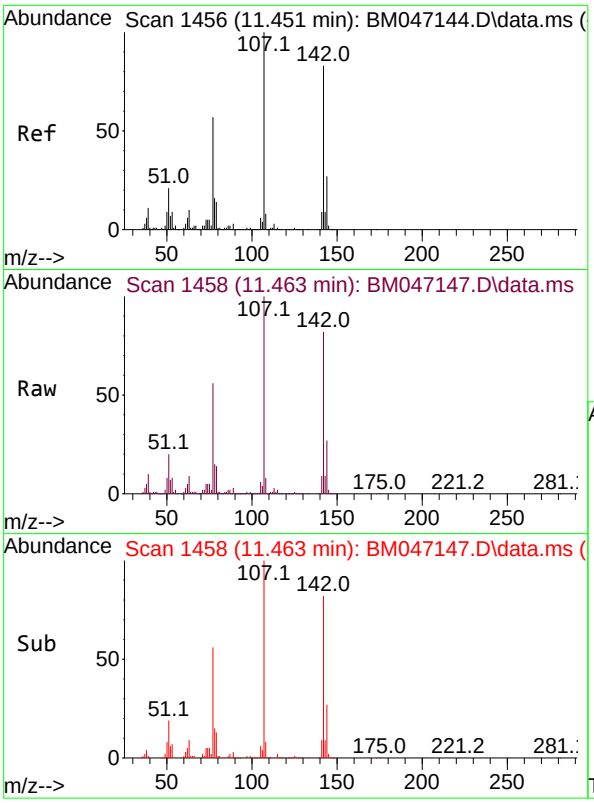


#35
Caprolactam
Concen: 81.288 ng m
RT: 11.151 min Scan# 1405
Delta R.T. 0.029 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:113 Resp: 523592

Ion	Ratio	Lower	Upper
113	100		
55	155.2	140.5	180.5
56	118.1	103.6	143.6



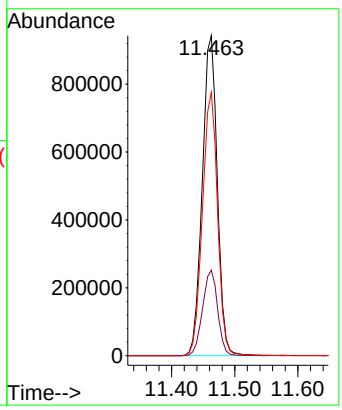


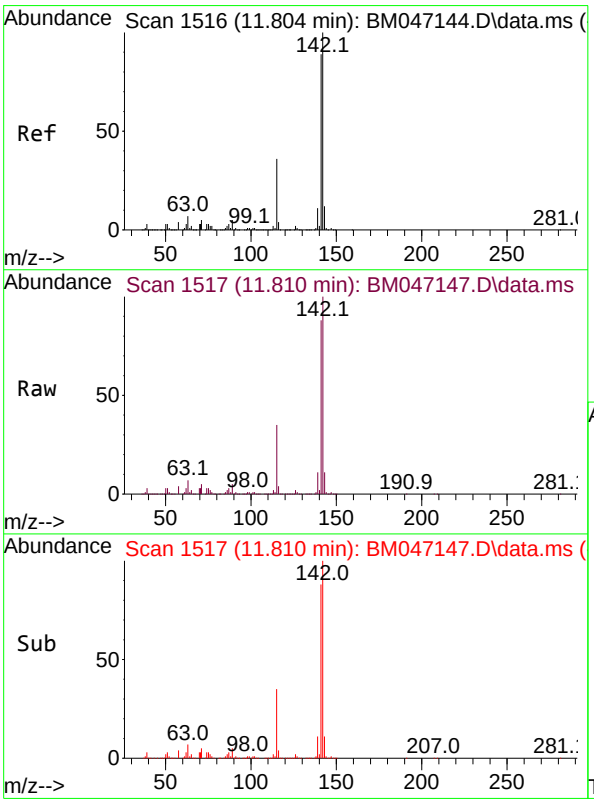
#36
4-Chloro-3-methylphenol
Concen: 78.951 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1559534

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.8	32.6
142	82.3	66.8	100.2

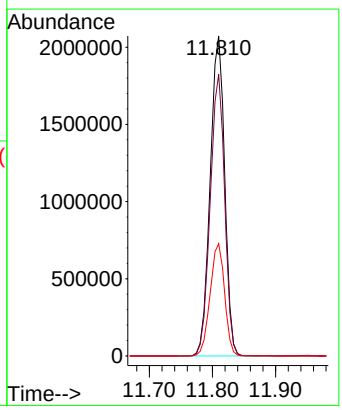


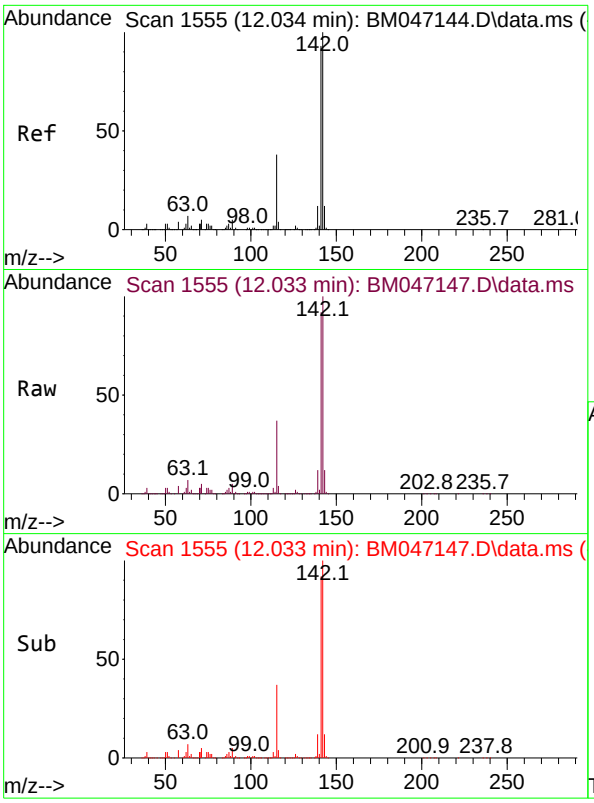


#37
2-Methylnaphthalene
Concen: 77.236 ng
RT: 11.810 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:142 Resp: 3301008

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.9	106.3
115	35.1	28.7	43.1



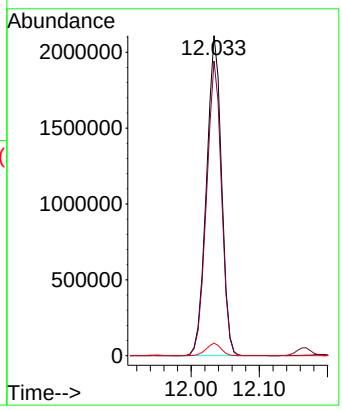


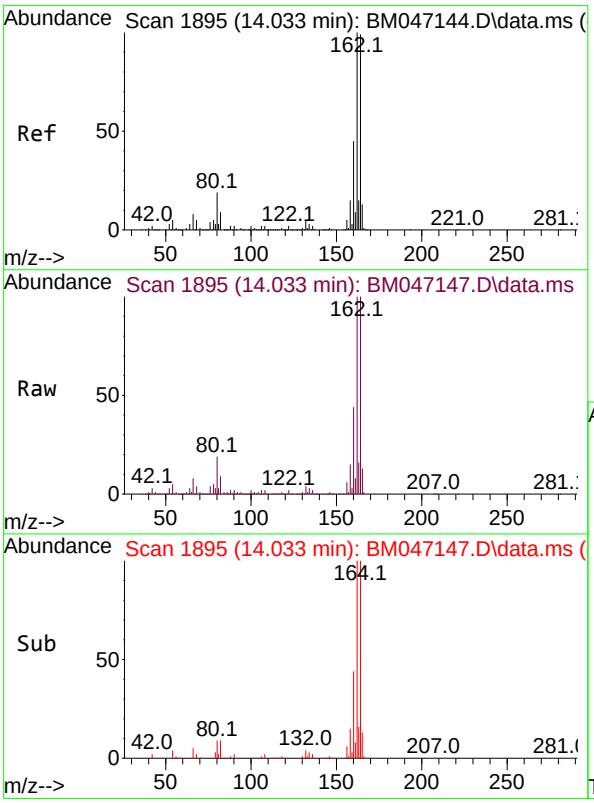
#38
1-Methylnaphthalene
Concen: 76.532 ng
RT: 12.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 3232647

Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.6	111.8
116	3.9	3.1	4.7

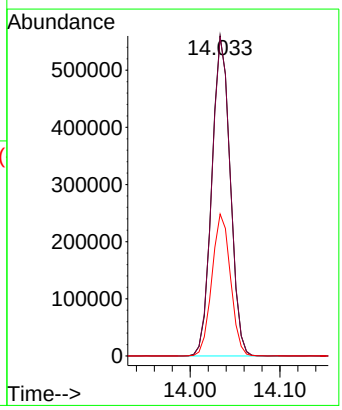


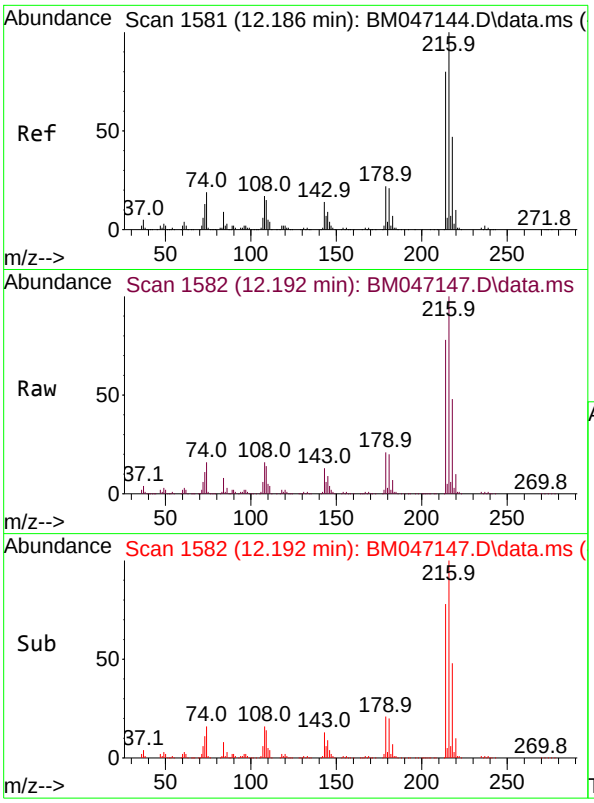


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:164 Resp: 795761

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.7	121.1
160	44.4	36.0	54.0



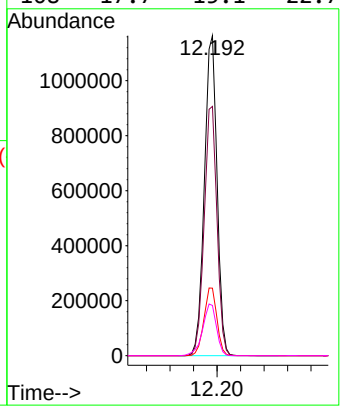


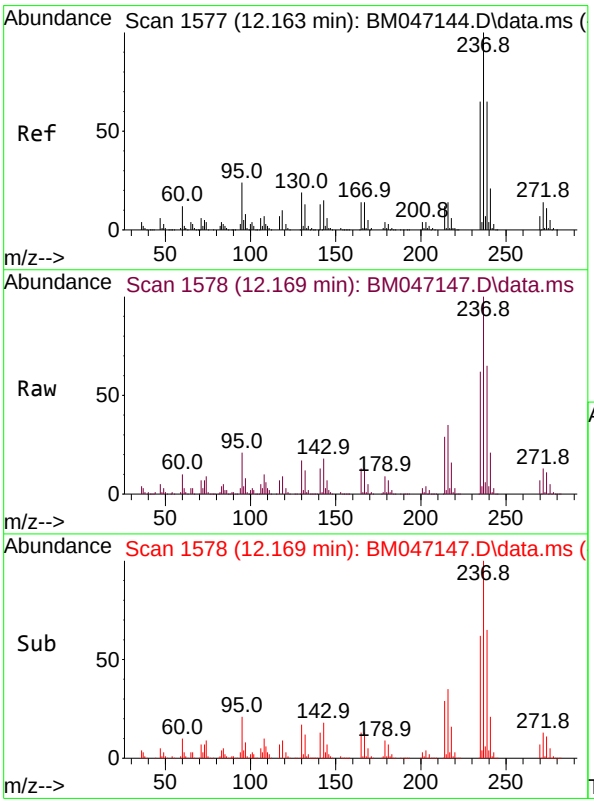
#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.017 ng
RT: 12.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 1736758

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.2
179	21.7	17.6	26.4
108	17.7	15.1	22.7

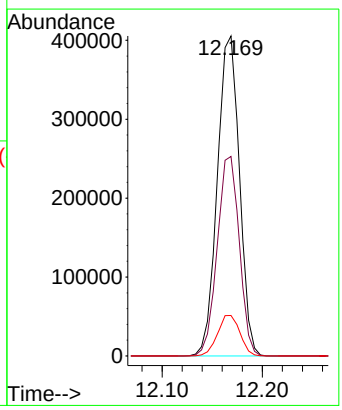


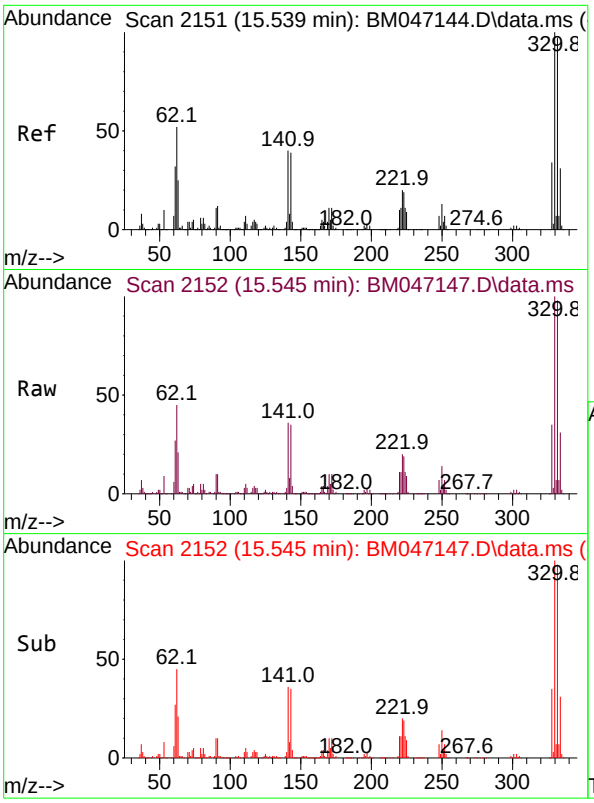


#41
Hexachlorocyclopentadiene
Concen: 81.830 ng
RT: 12.169 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:237 Resp: 620195

Ion	Ratio	Lower	Upper
237	100		
235	62.3	44.8	84.8
272	12.6	0.0	33.5



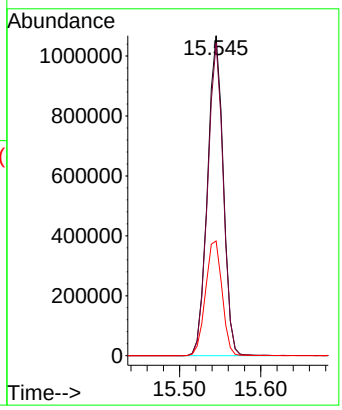


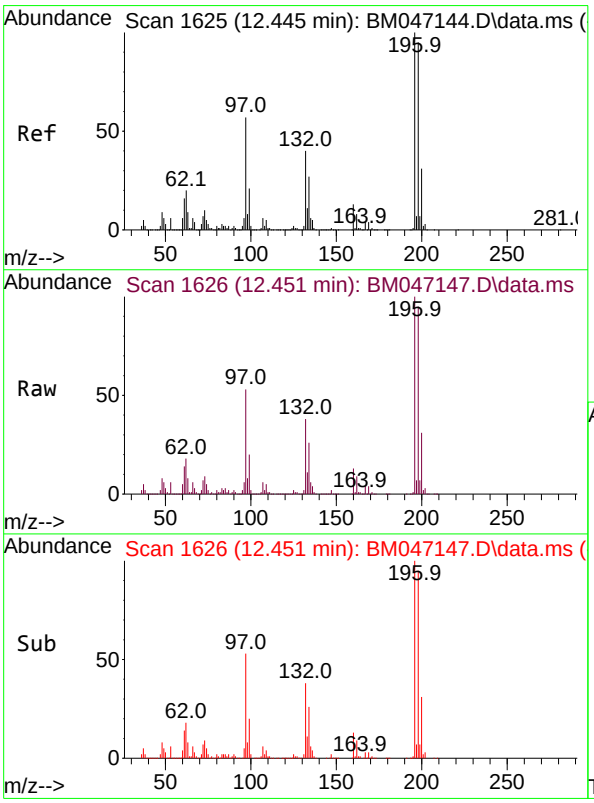
#42
2,4,6-Tribromophenol
Concen: 155.767 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 1437262

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	37.8	31.6	47.4

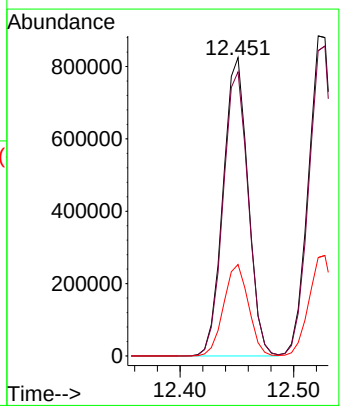


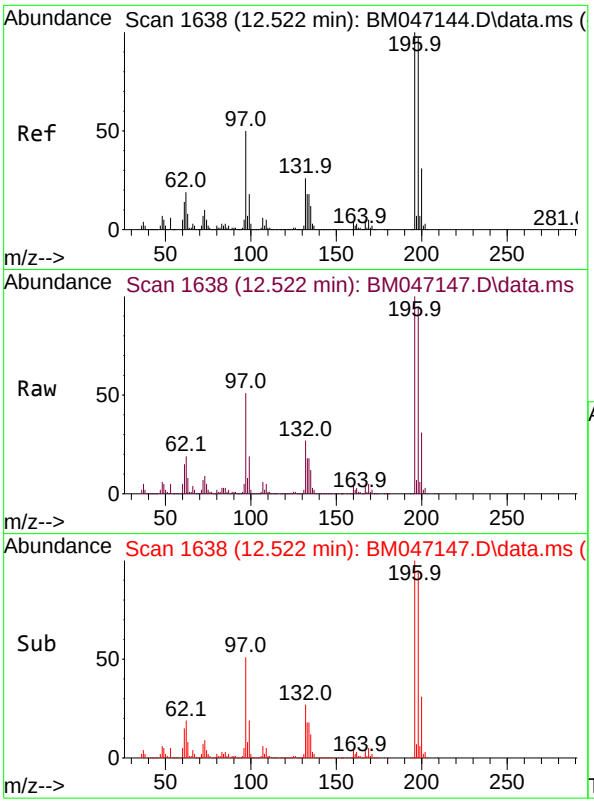


#43
2,4,6-Trichlorophenol
Concen: 81.622 ng
RT: 12.451 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:196 Resp: 1259185

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.6	113.4
200	30.7	24.6	37.0



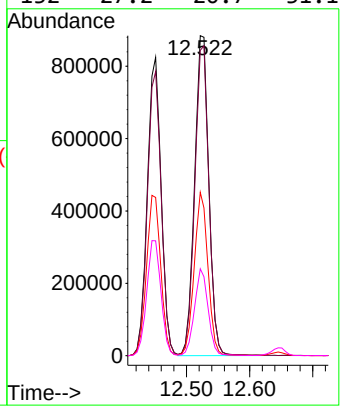


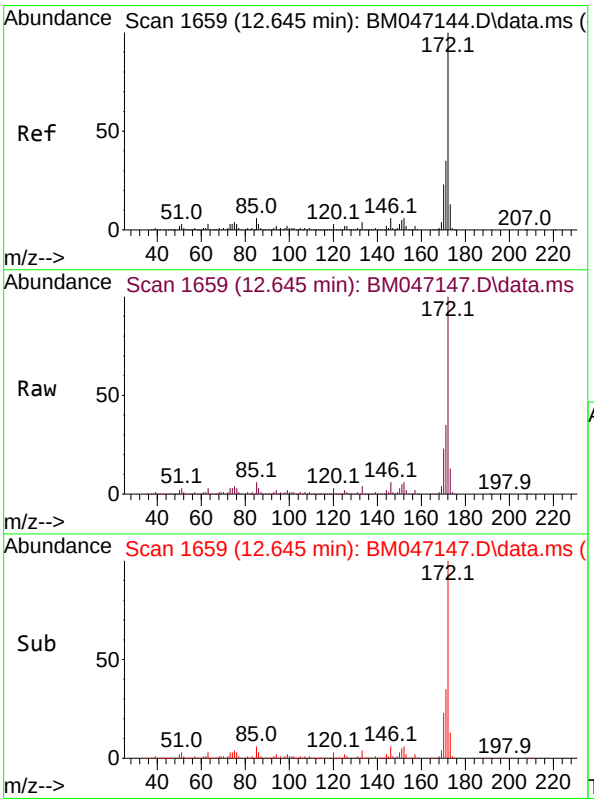
#44
2,4,5-Trichlorophenol
Concen: 80.776 ng
RT: 12.522 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1383585

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.7	116.5
97	51.0	39.8	59.8
132	27.2	20.7	31.1

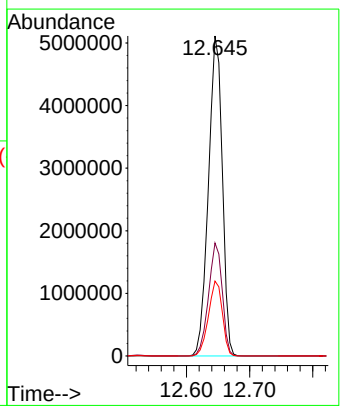


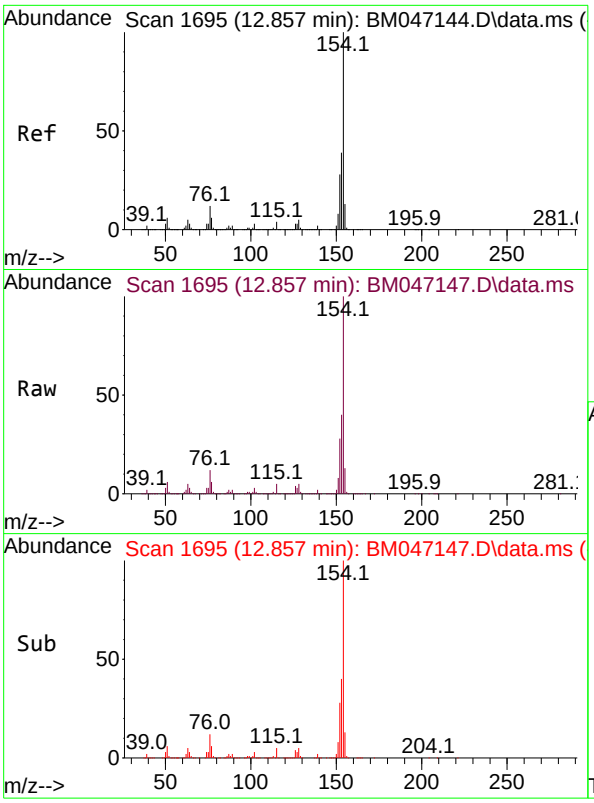


#45
2-Fluorobiphenyl
Concen: 150.612 ng
RT: 12.645 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:172 Resp: 7769782

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.6
170	23.4	18.7	28.1



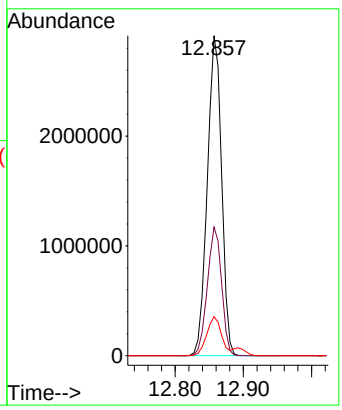


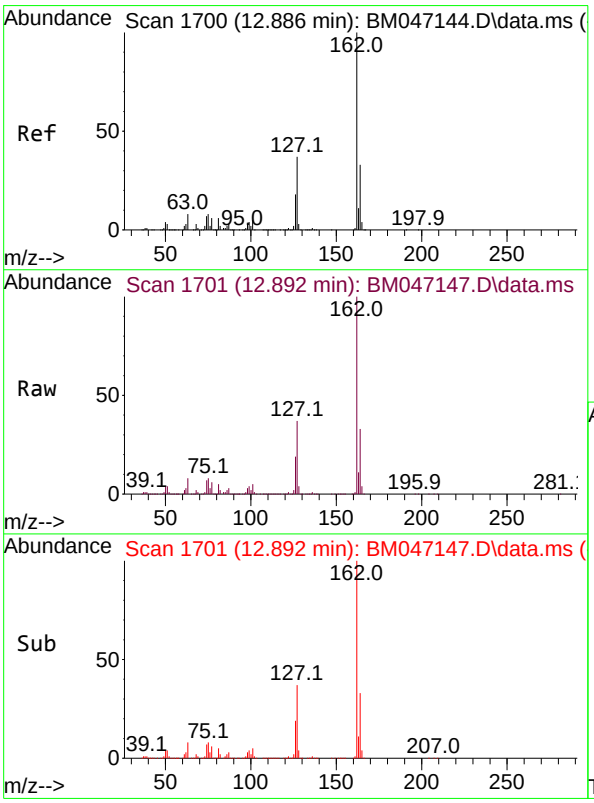
#46
1,1'-Biphenyl
Concen: 74.866 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 4241252

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.0	59.0
76	12.2	0.0	31.9

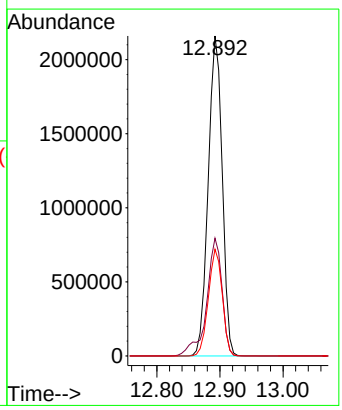


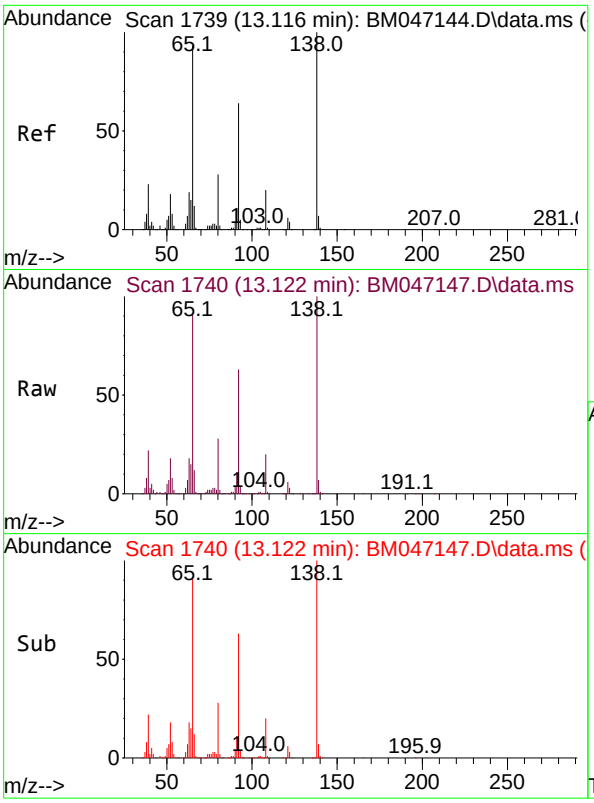


#47
2-Chloronaphthalene
Concen: 74.960 ng
RT: 12.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:162 Resp: 3319138

Ion	Ratio	Lower	Upper
162	100		
127	36.8	30.0	45.0
164	33.4	26.3	39.5



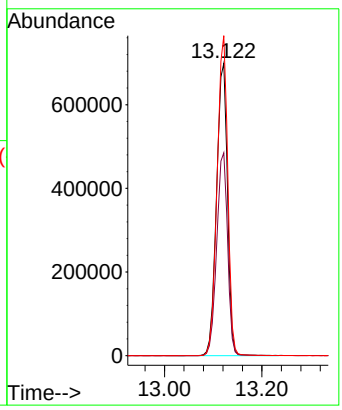


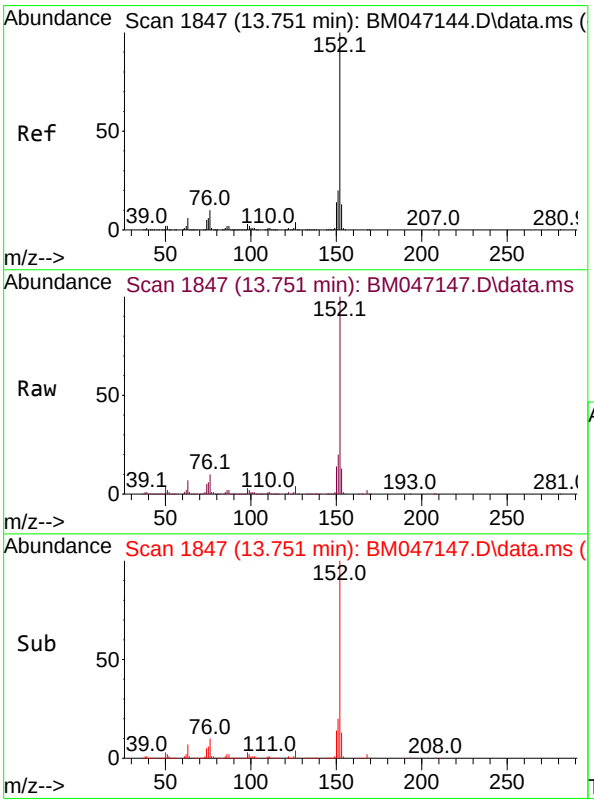
#48
2-Nitroaniline
Concen: 78.614 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 1090521

Ion	Ratio	Lower	Upper
65	100		
92	69.4	55.1	82.7
138	109.5	85.9	128.9

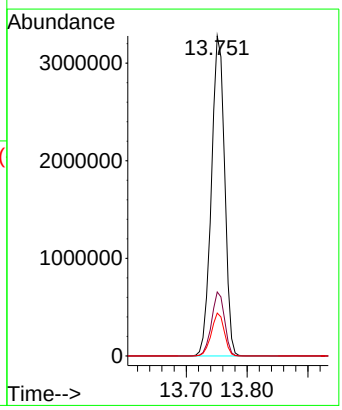


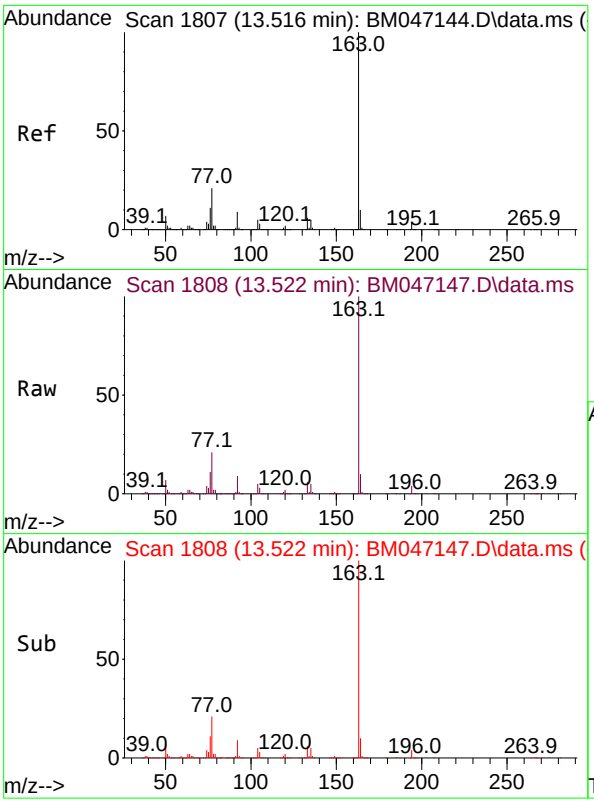


#49
Acenaphthylene
Concen: 75.775 ng
RT: 13.751 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:152 Resp: 4945706

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.4	10.4	15.6



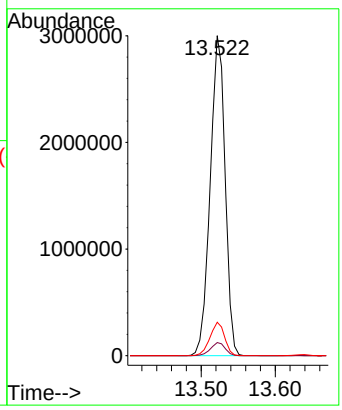


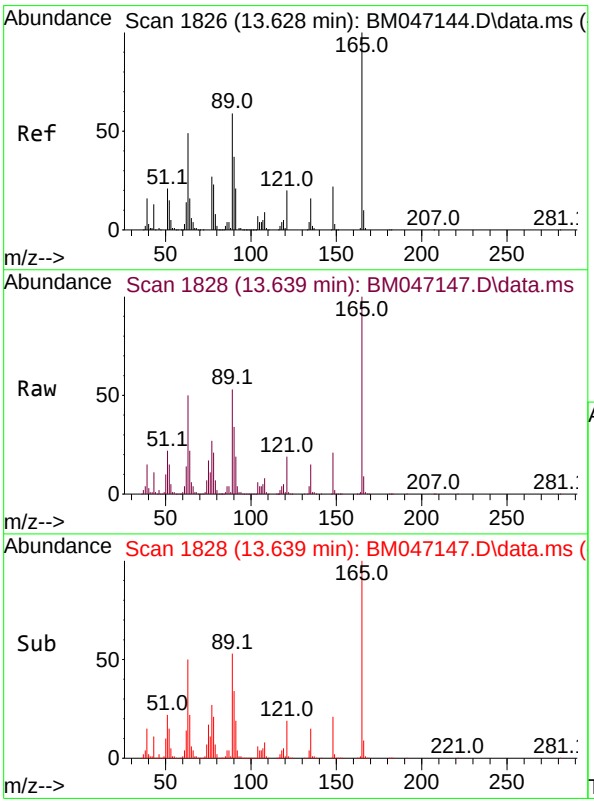
#50
Dimethylphthalate
Concen: 75.503 ng
RT: 13.522 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 4196226

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.4	8.0	12.0

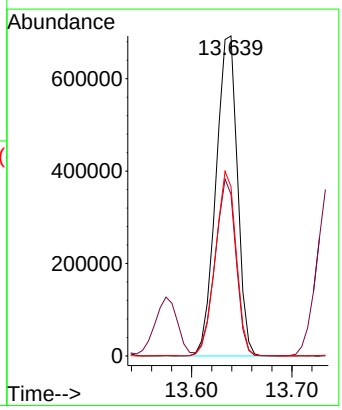


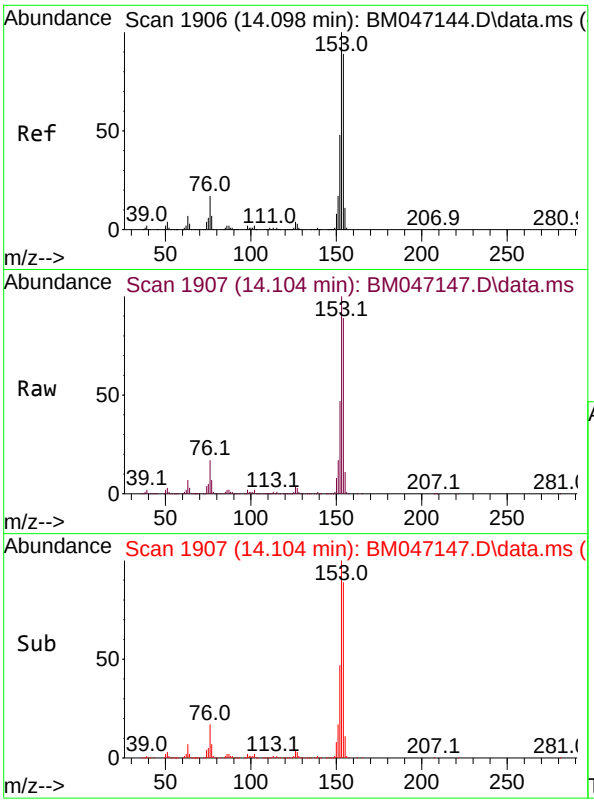


#51
2,6-Dinitrotoluene
Concen: 79.128 ng
RT: 13.639 min Scan# 1828
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:165 Resp: 1028020

Ion	Ratio	Lower	Upper
165	100		
63	50.5	46.5	69.7
89	52.9	47.3	70.9



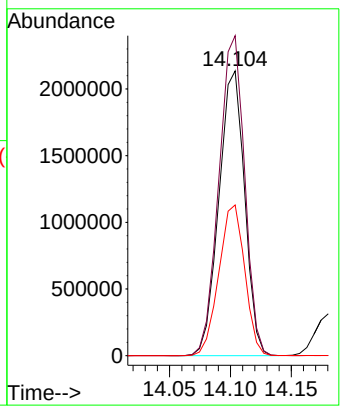


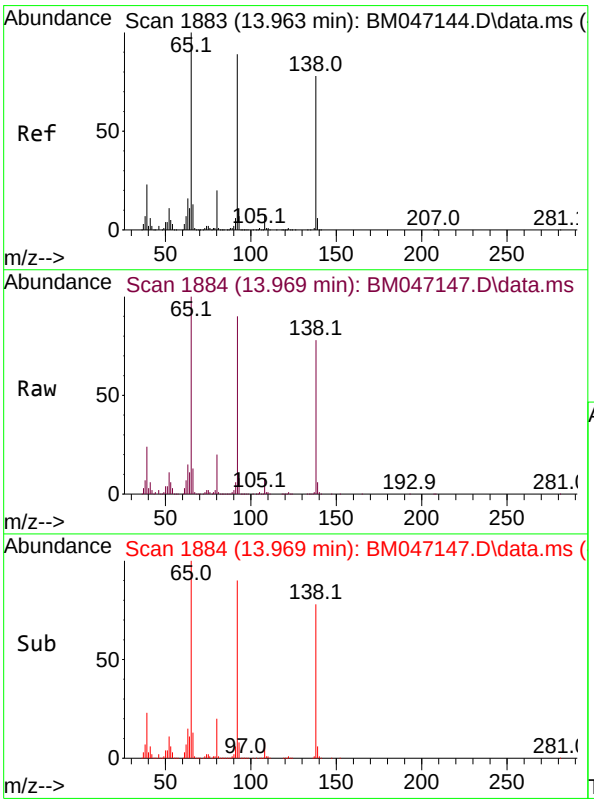
#52
Acenaphthene
Concen: 75.941 ng
RT: 14.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 3144083

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.3	135.5
152	52.9	42.9	64.3

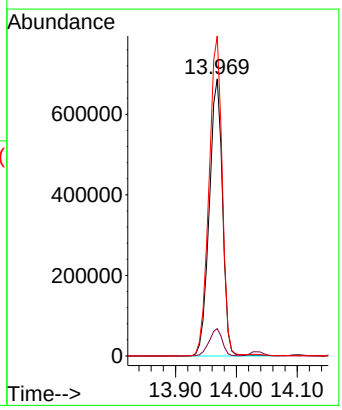


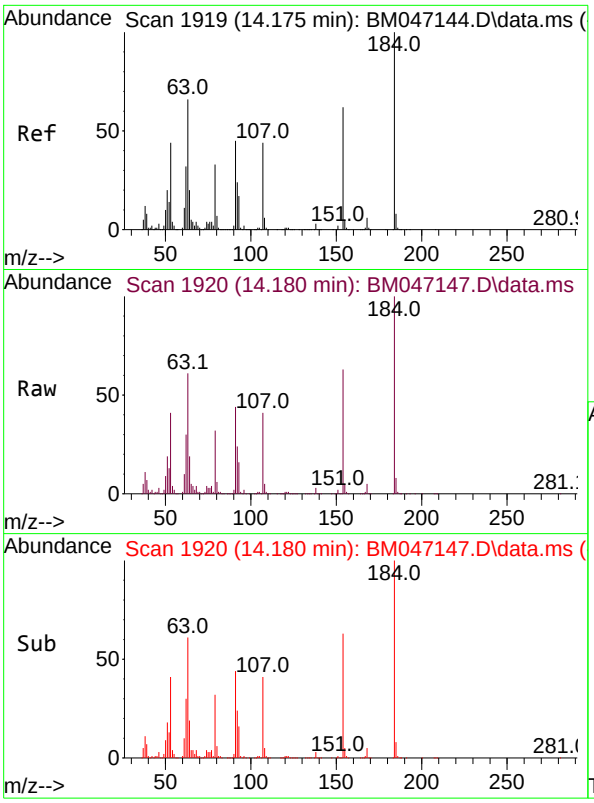


#53
3-Nitroaniline
Concen: 79.468 ng
RT: 13.969 min Scan# 1884
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:138 Resp: 1034545

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	115.5	92.0	138.0



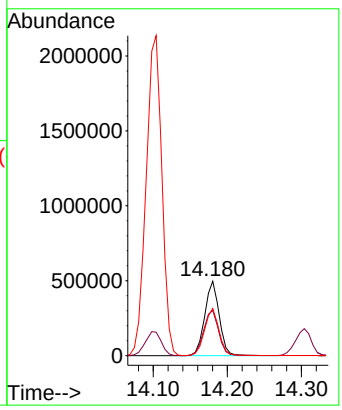


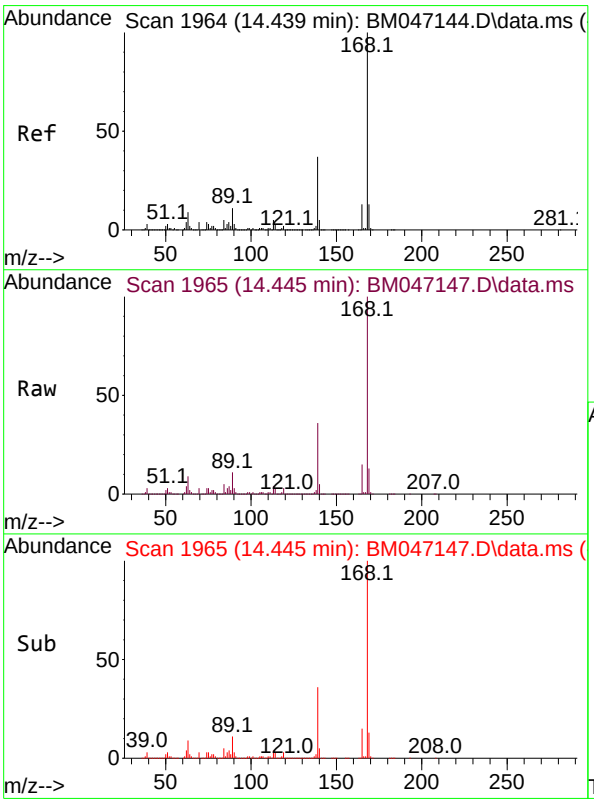
#54
2,4-Dinitrophenol
Concen: 86.639 ng
RT: 14.180 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 674624

Ion	Ratio	Lower	Upper
184	100		
63	60.8	52.7	79.1
154	63.4	50.4	75.6

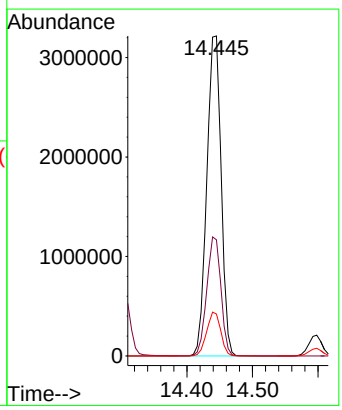


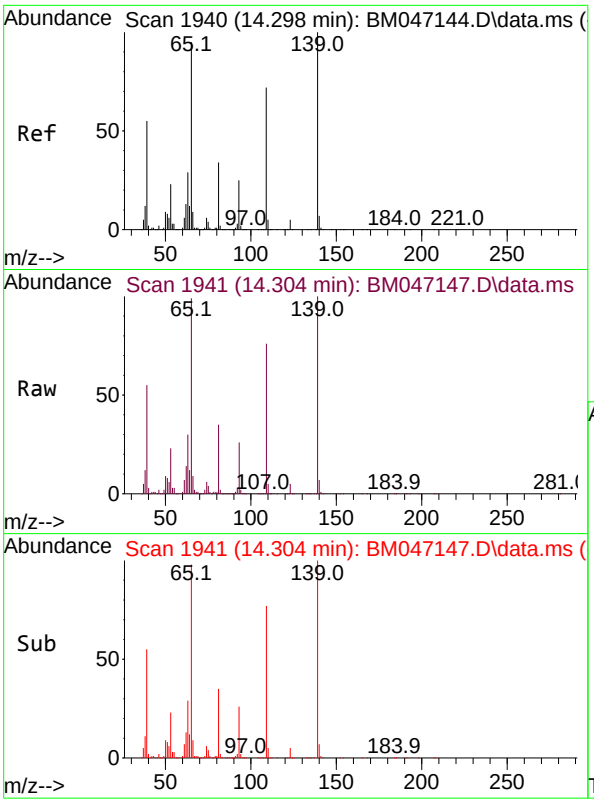


#55
Dibenzofuran
Concen: 74.735 ng
RT: 14.445 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:168 Resp: 4887362

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.6	44.4
169	13.1	10.7	16.1



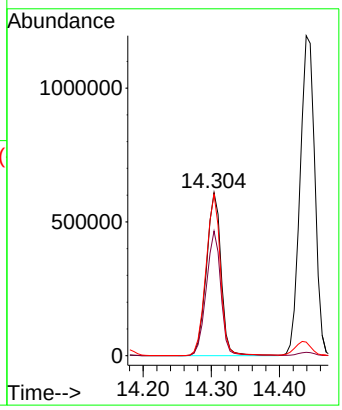


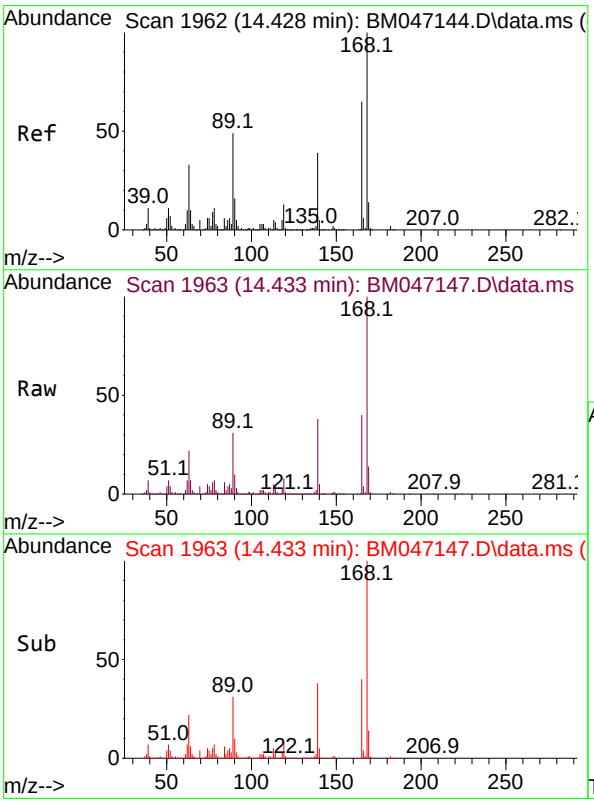
#56
4-Nitrophenol
Concen: 81.334 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 913035

Ion	Ratio	Lower	Upper
139	100		
109	76.5	52.5	92.5
65	99.0	75.4	115.4

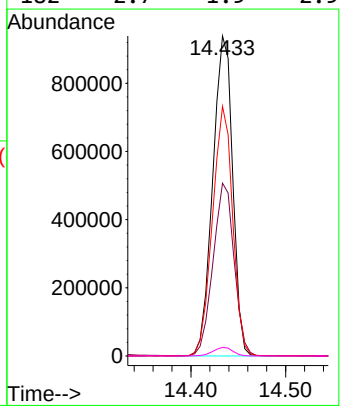


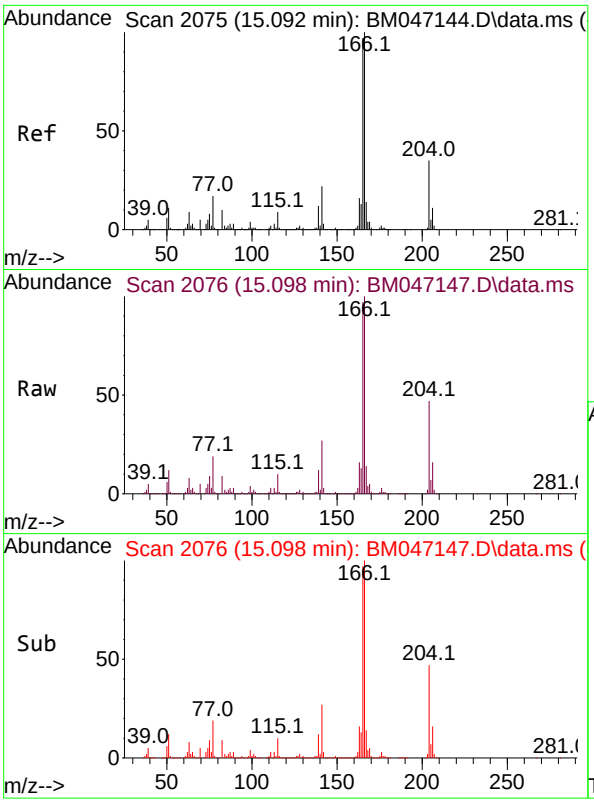


#57
2,4-Dinitrotoluene
Concen: 79.012 ng
RT: 14.433 min Scan# 1963
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:165 Resp: 1370129

Ion	Ratio	Lower	Upper
165	100		
63	54.0	40.3	60.5
89	78.0	61.0	91.6
182	2.7	1.9	2.9



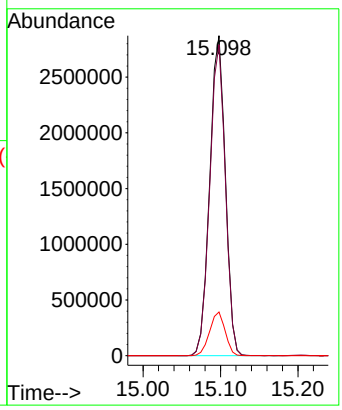


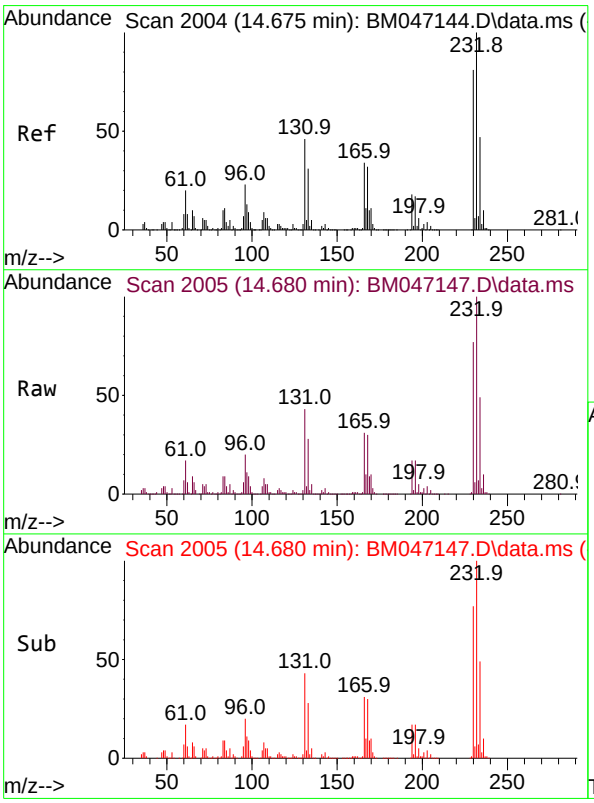
#58
Fluorene
Concen: 74.602 ng
RT: 15.098 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 4025459

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.4	116.0
167	13.7	11.0	16.6

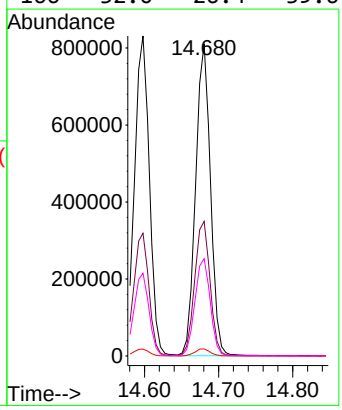


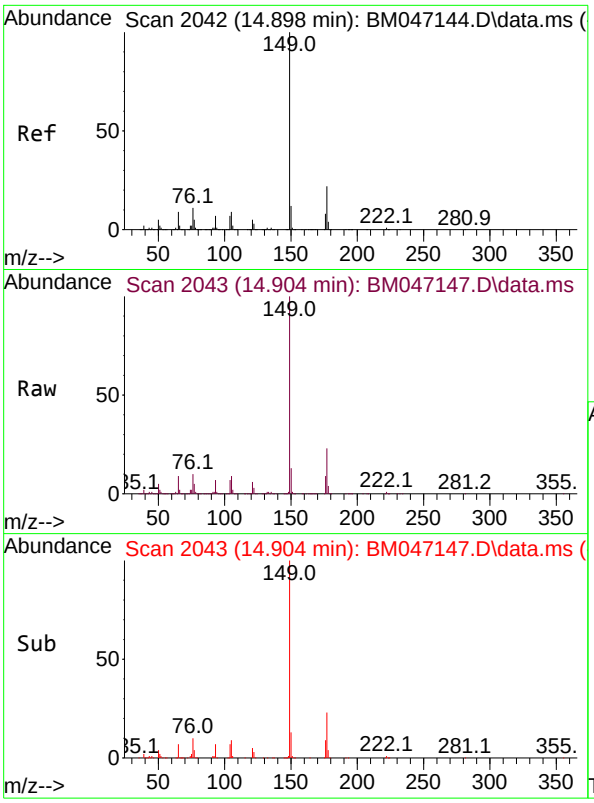


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.180 ng
RT: 14.680 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:232 Resp: 1128723

Ion	Ratio	Lower	Upper
232	100		
131	44.8	36.9	55.3
130	2.3	2.0	3.0
166	32.0	26.4	39.6



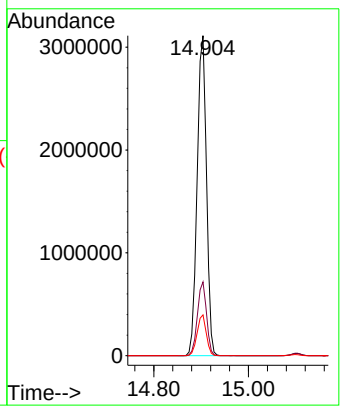


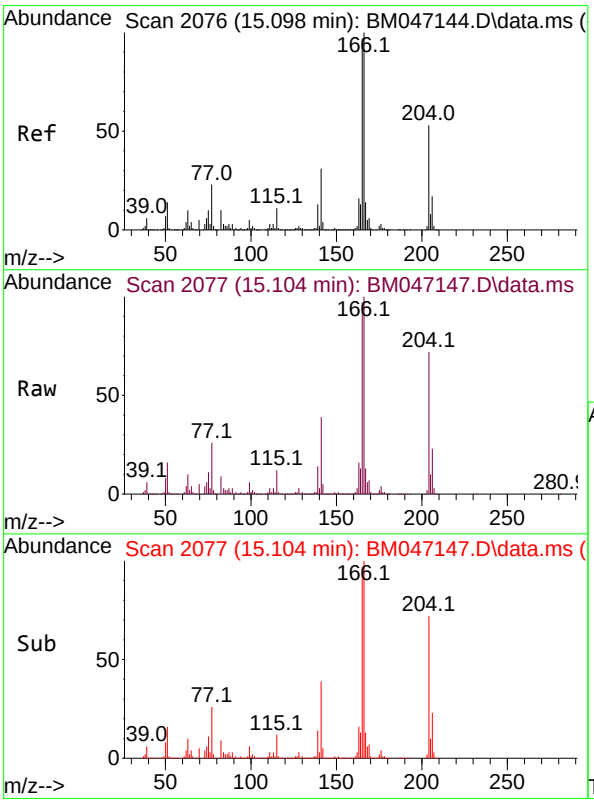
#60
Diethylphthalate
Concen: 75.010 ng
RT: 14.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4257104

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.6	26.4
150	12.8	9.8	14.6

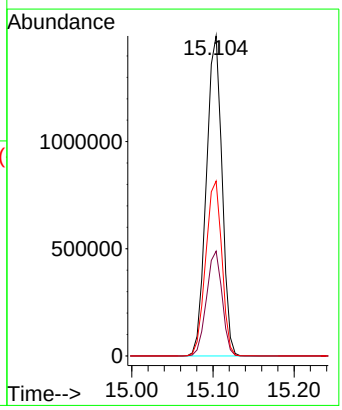


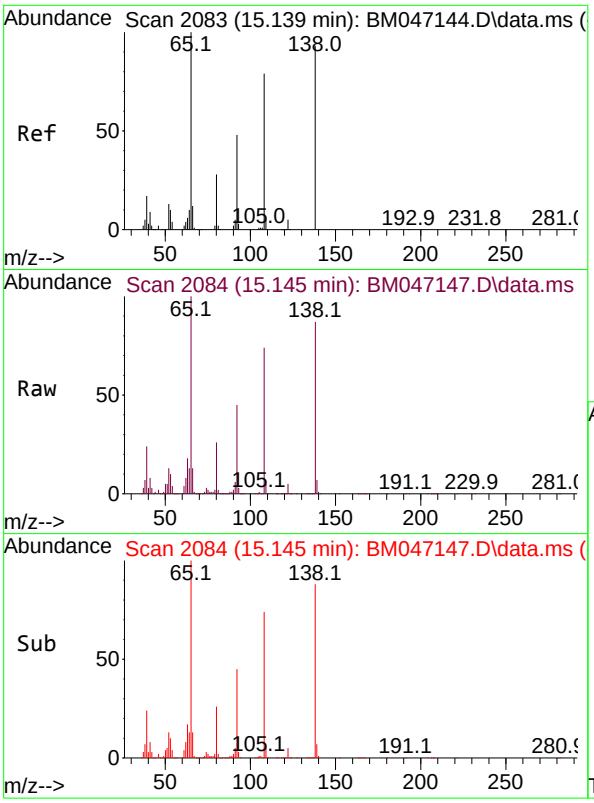


#61
4-Chlorophenyl-phenylether
Concen: 77.748 ng
RT: 15.104 min Scan# 2077
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:204 Resp: 1997247

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.4
141	54.7	47.2	70.8



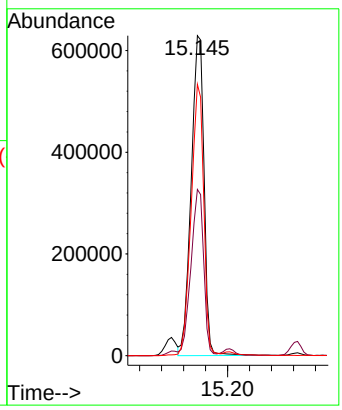


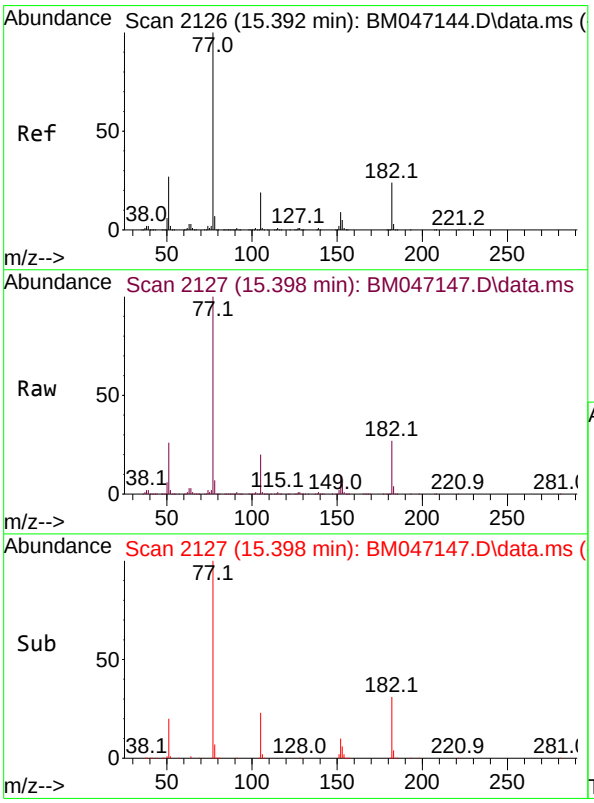
#62
4-Nitroaniline
Concen: 79.564 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 1020427

Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.9	71.9
108	84.8	63.8	103.8

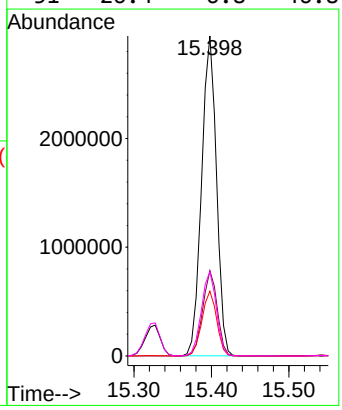


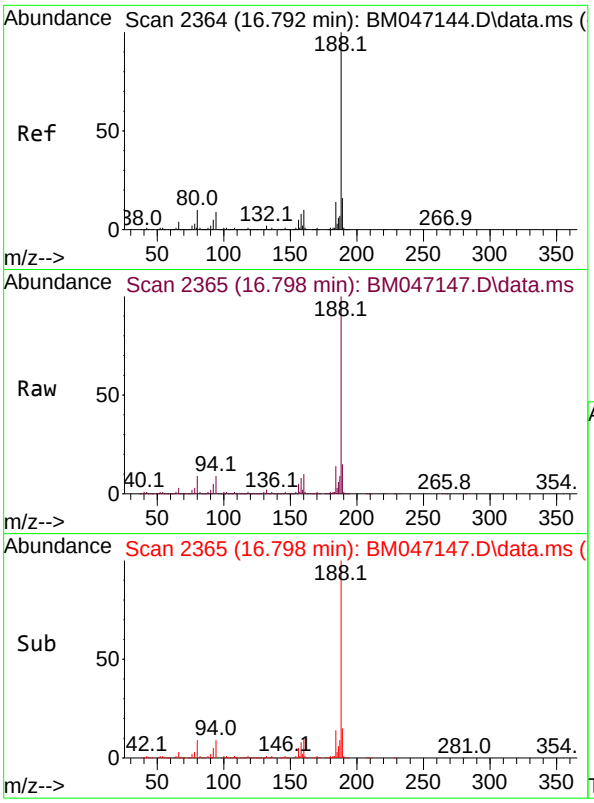


#63
Azobenzene
Concen: 72.861 ng
RT: 15.398 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 77 Resp: 3920766

Ion	Ratio	Lower	Upper
77	100		
182	26.7	3.8	43.8
105	20.2	0.0	39.5
51	26.4	6.8	46.8



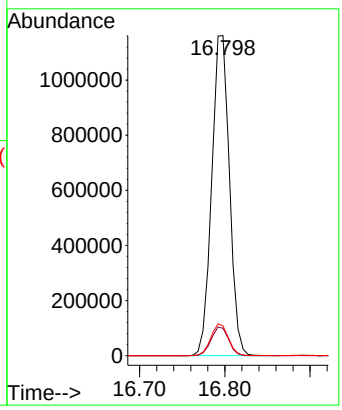


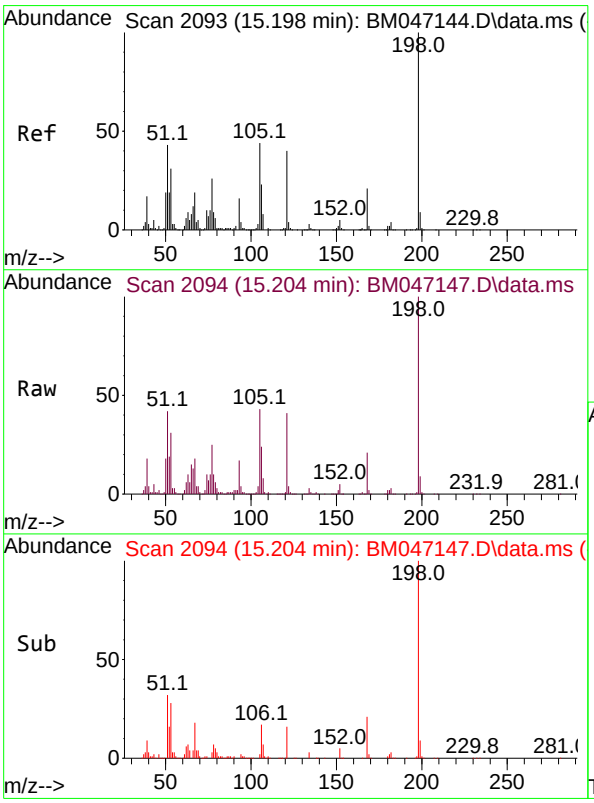
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.798 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 1674812

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.3	8.0	12.0

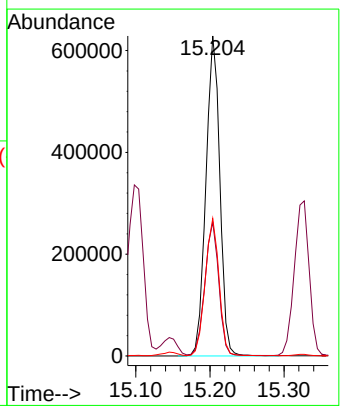


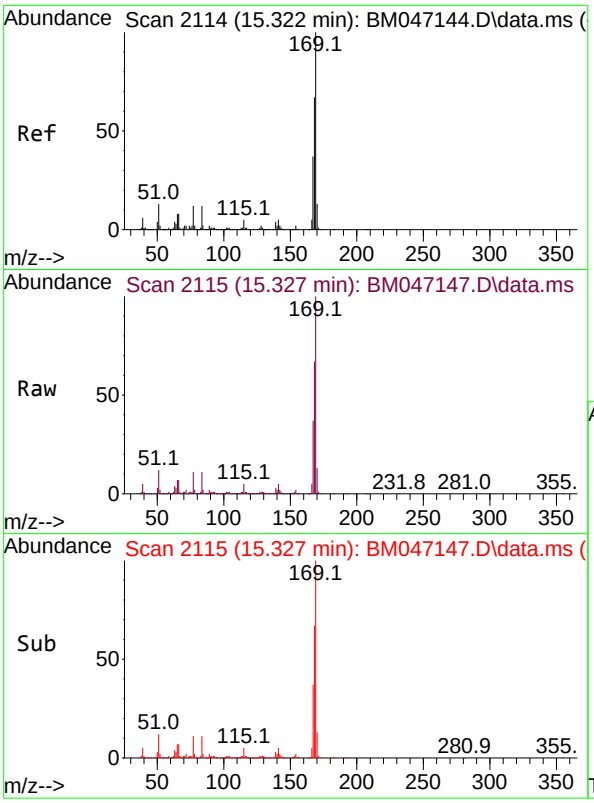


#65
4,6-Dinitro-2-methylphenol
Concen: 83.643 ng
RT: 15.204 min Scan# 2094
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:198 Resp: 820182

Ion	Ratio	Lower	Upper
198	100		
51	41.8	23.9	63.9
105	43.0	24.3	64.3



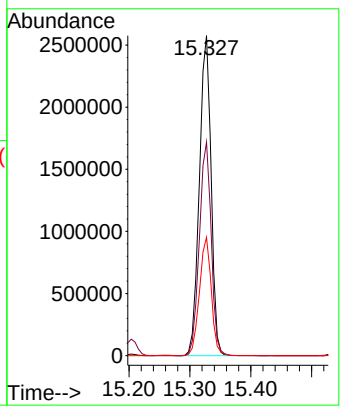


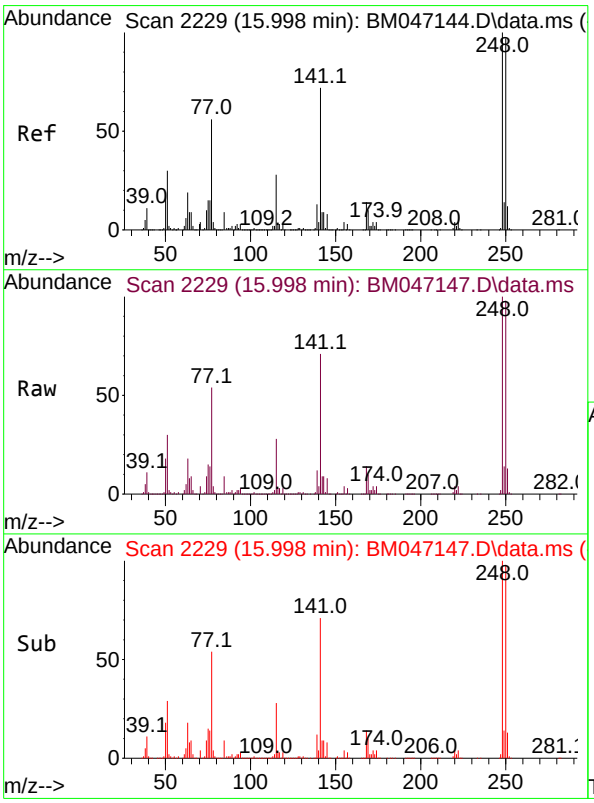
#66
n-Nitrosodiphenylamine
Concen: 75.560 ng
RT: 15.327 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 3446873

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.8	80.8
167	37.0	29.3	43.9

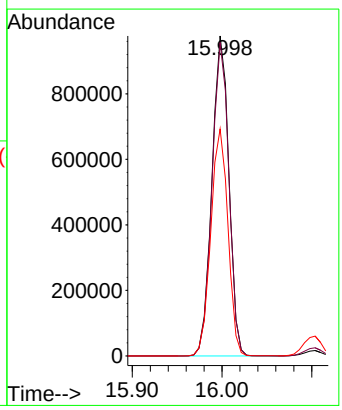


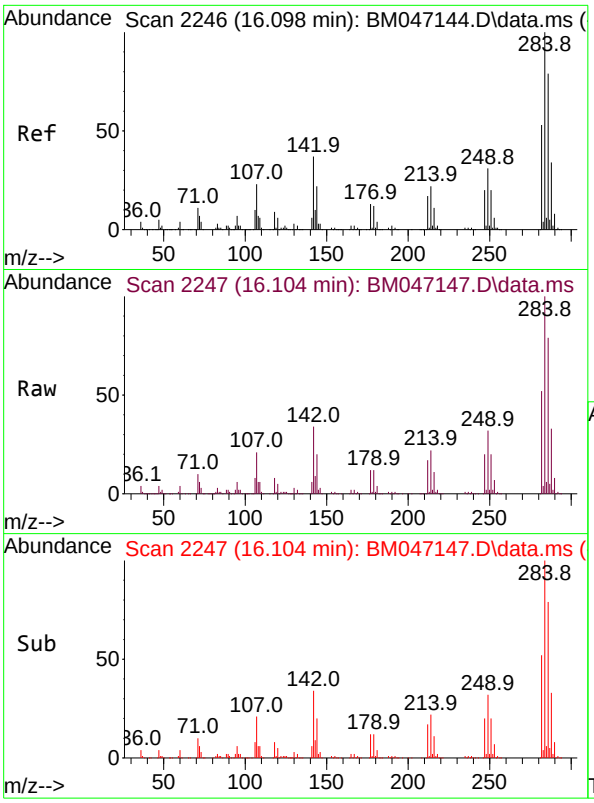


#67
4-Bromophenyl-phenylether
Concen: 79.172 ng
RT: 15.998 min Scan# 2229
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:248 Resp: 1277742

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.8	116.8
141	71.0	57.7	86.5



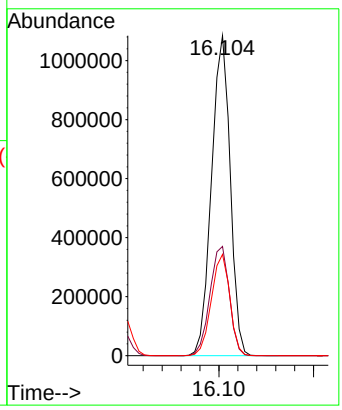


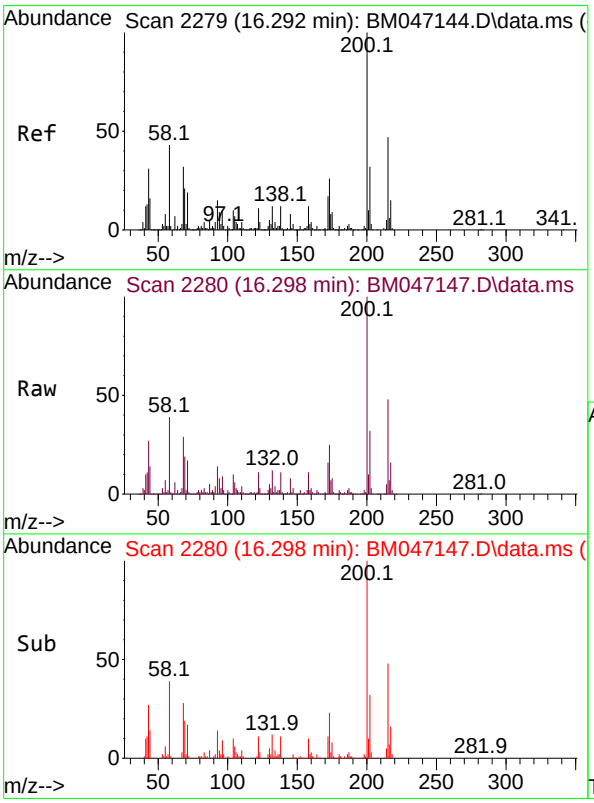
#68
Hexachlorobenzene
Concen: 76.654 ng
RT: 16.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 1481615

Ion	Ratio	Lower	Upper
284	100		
142	34.2	29.4	44.0
249	31.6	25.1	37.7

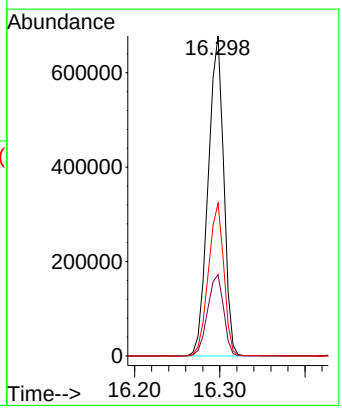


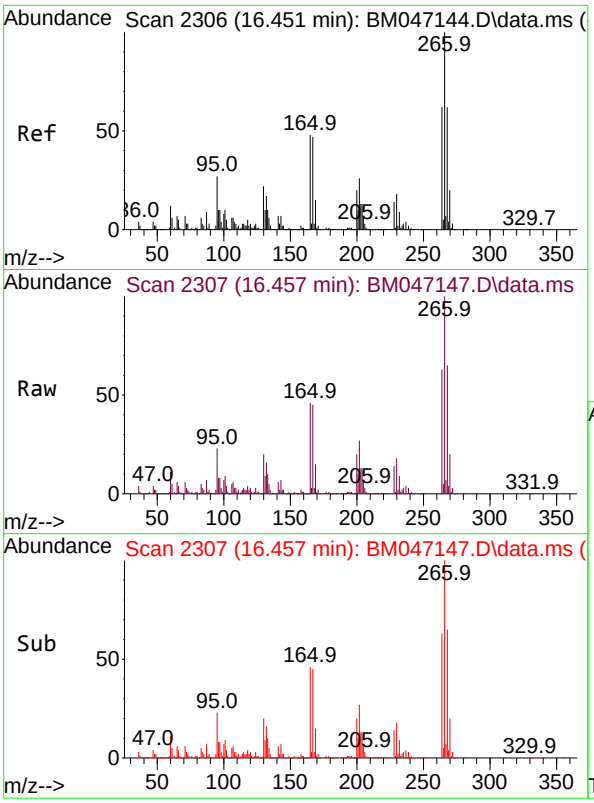


#69
Atrazine
Concen: 62.797 ng
RT: 16.298 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:200 Resp: 862020

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.1	46.1
215	47.7	26.8	66.8



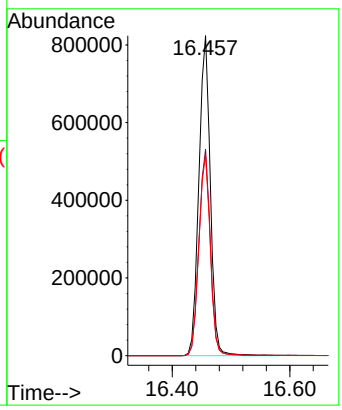


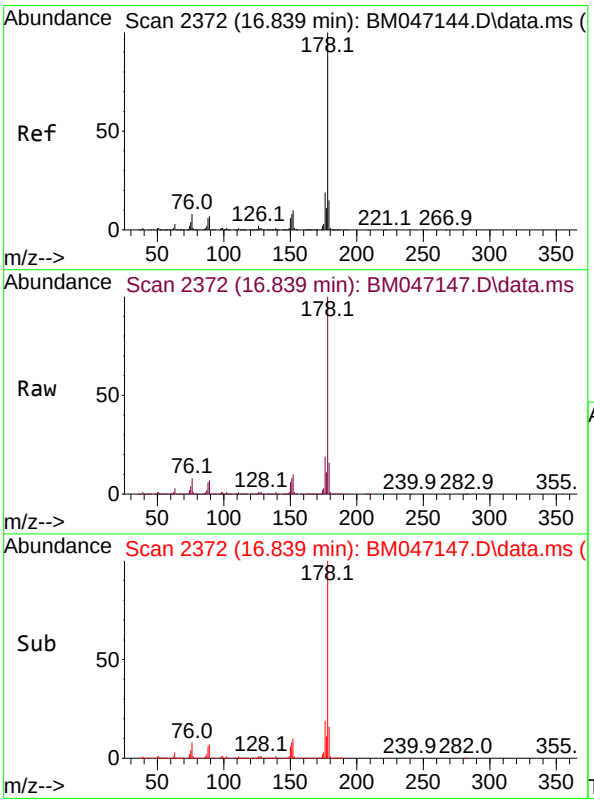
#70
Pentachlorophenol
Concen: 82.323 ng
RT: 16.457 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 1115403

Ion	Ratio	Lower	Upper
266	100		
268	64.5	49.8	74.6
264	62.8	49.6	74.4

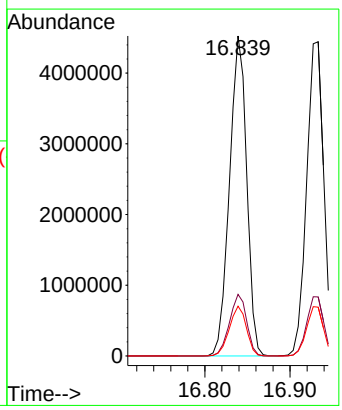


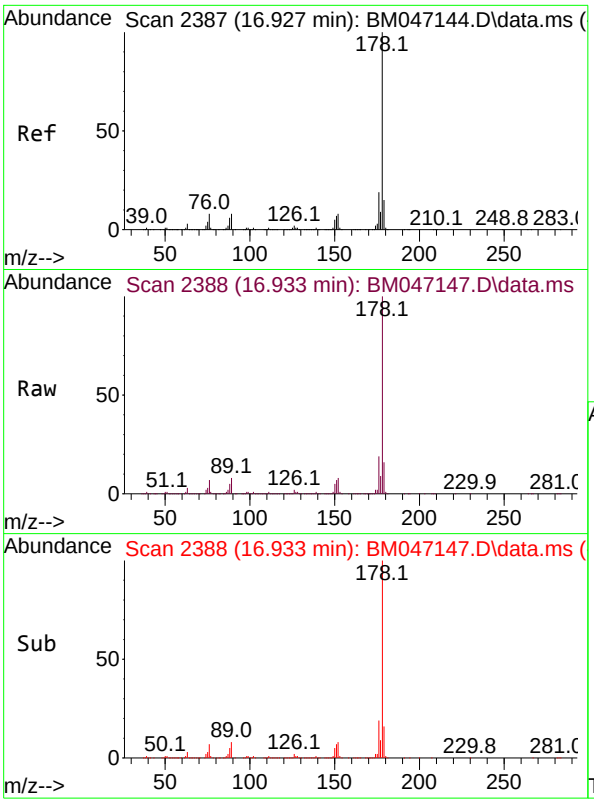


#71
Phenanthrene
Concen: 75.631 ng
RT: 16.839 min Scan# 2372
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:178 Resp: 6356974

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.4	18.6



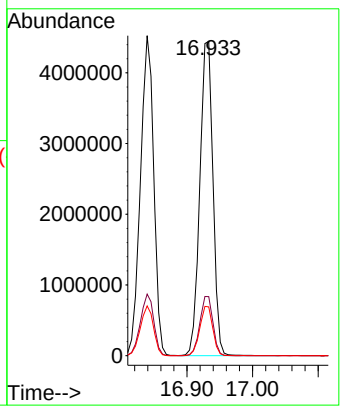


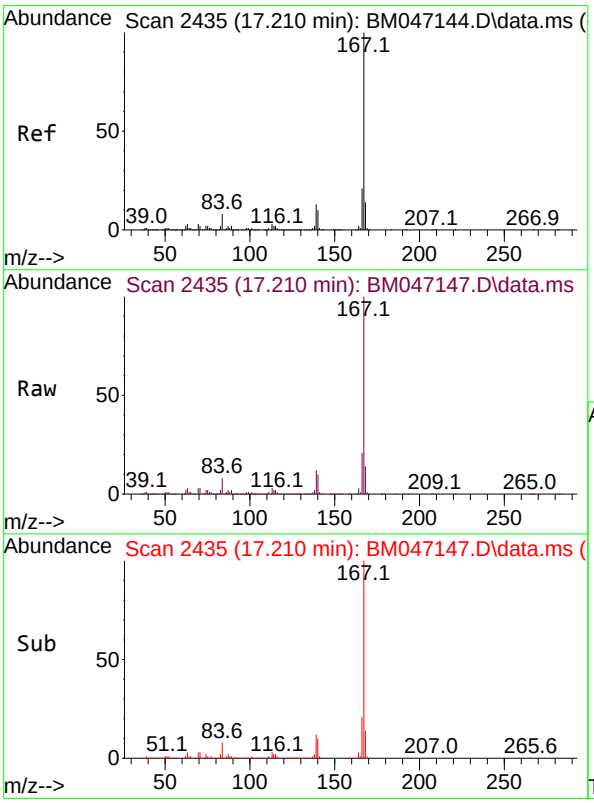
#72
Anthracene
Concen: 75.850 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 6203287

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.4	18.6

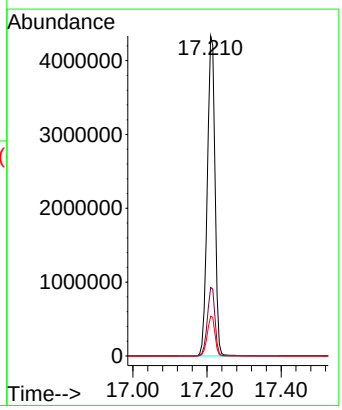


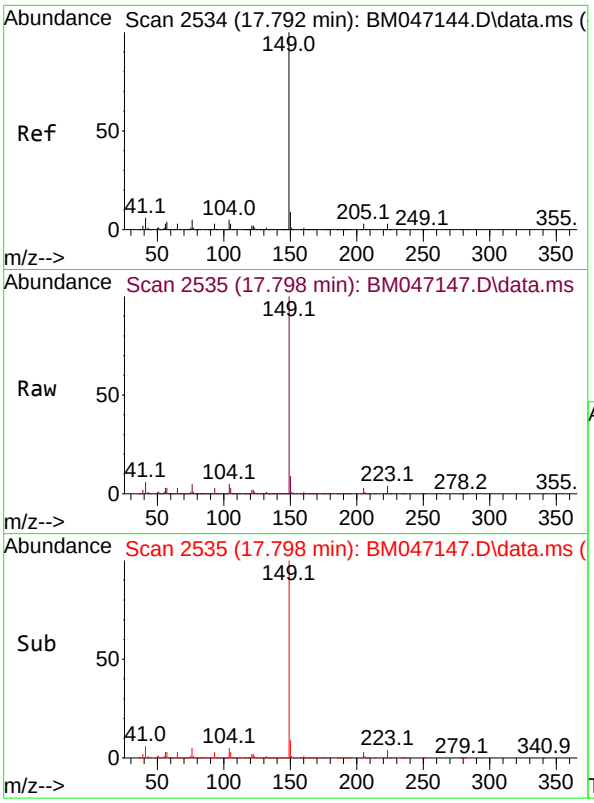


#73
Carbazole
Concen: 74.858 ng
RT: 17.210 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:167 Resp: 6250976

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.4	10.0	15.0



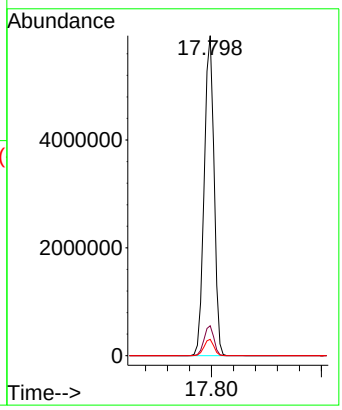


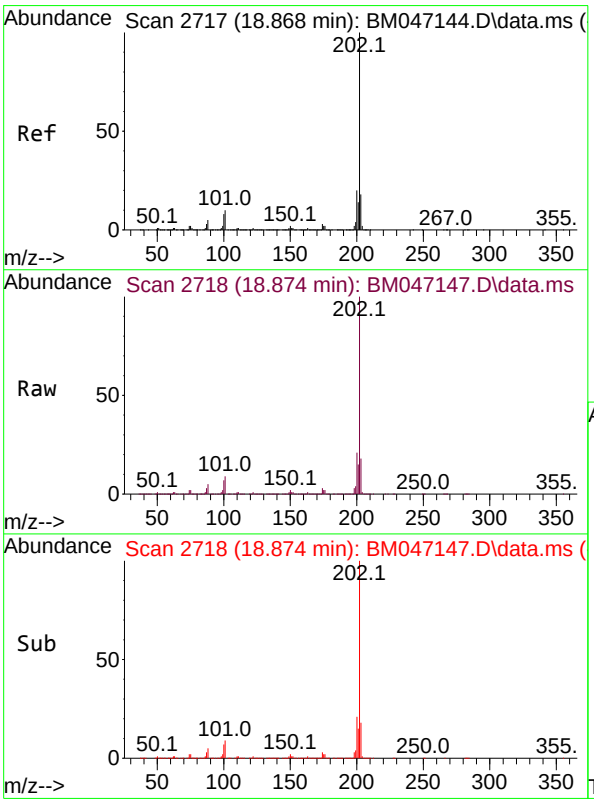
#74
Di-n-butylphthalate
Concen: 75.700 ng
RT: 17.798 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 7355197

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1

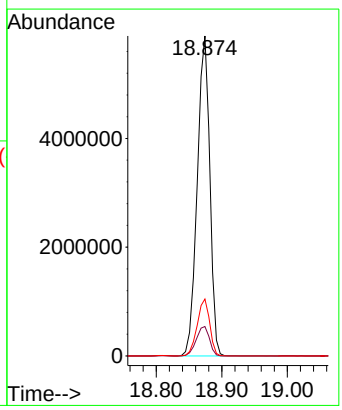


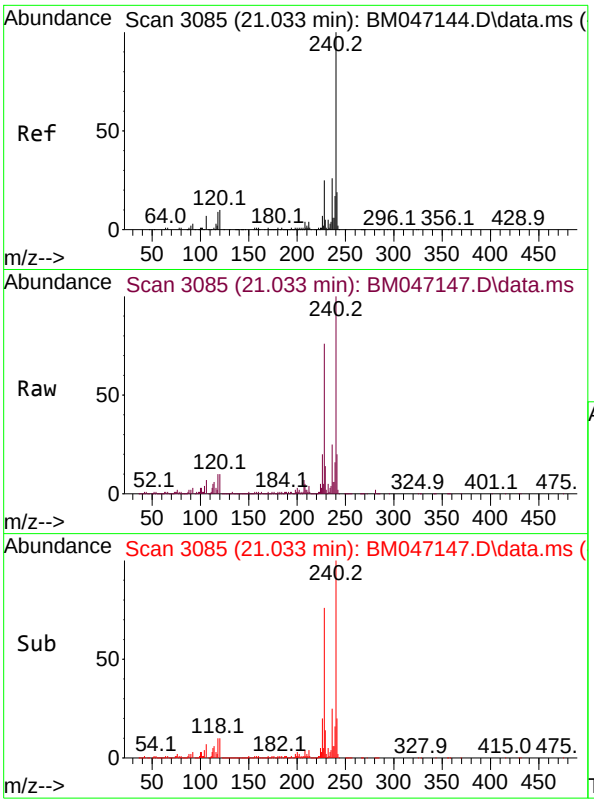


#75
Fluoranthene
Concen: 76.805 ng
RT: 18.874 min Scan# 2718
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:202 Resp: 7852169

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.8	0.0	37.6



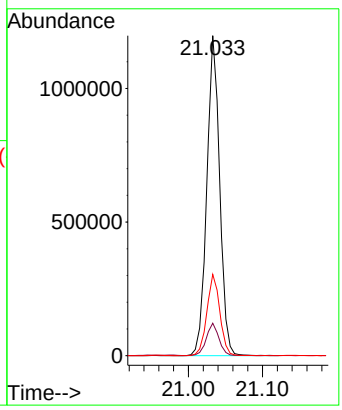


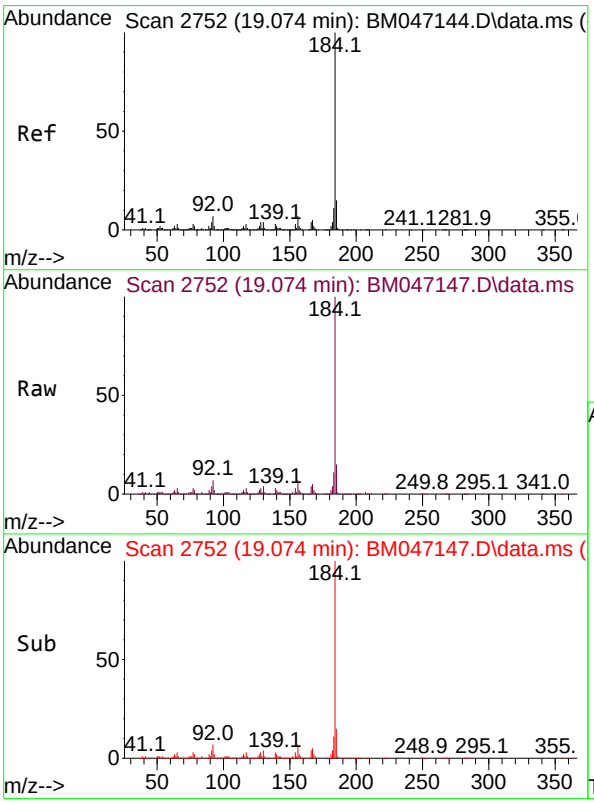
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 1443265

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.4	20.6	30.8

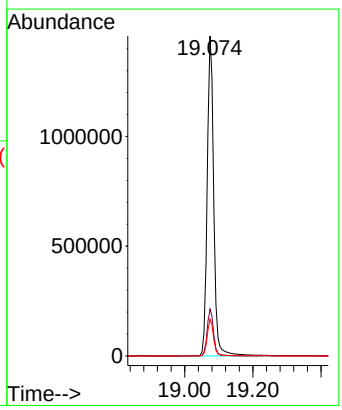


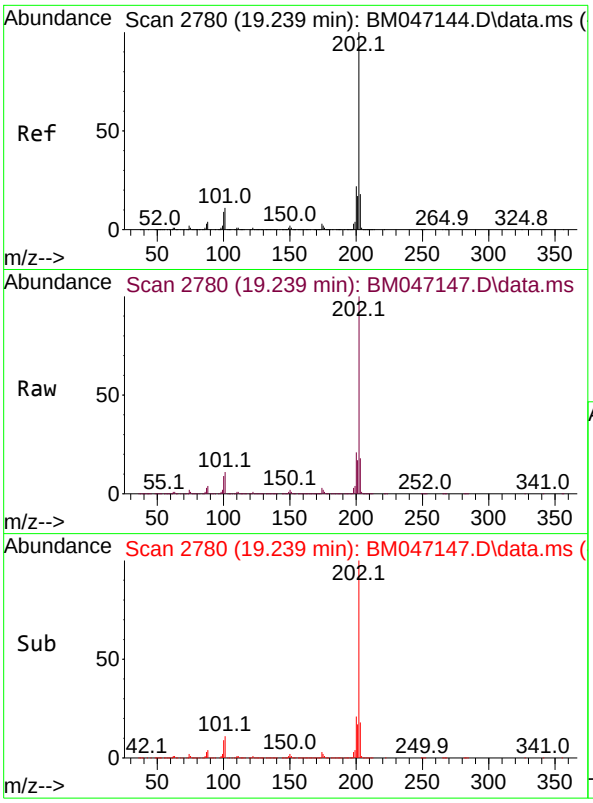


#77
Benzidine
Concen: 79.424 ng
RT: 19.074 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:184 Resp: 1943953

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.8	17.6
183	11.5	9.0	13.6



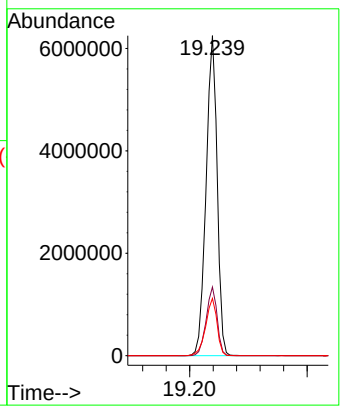


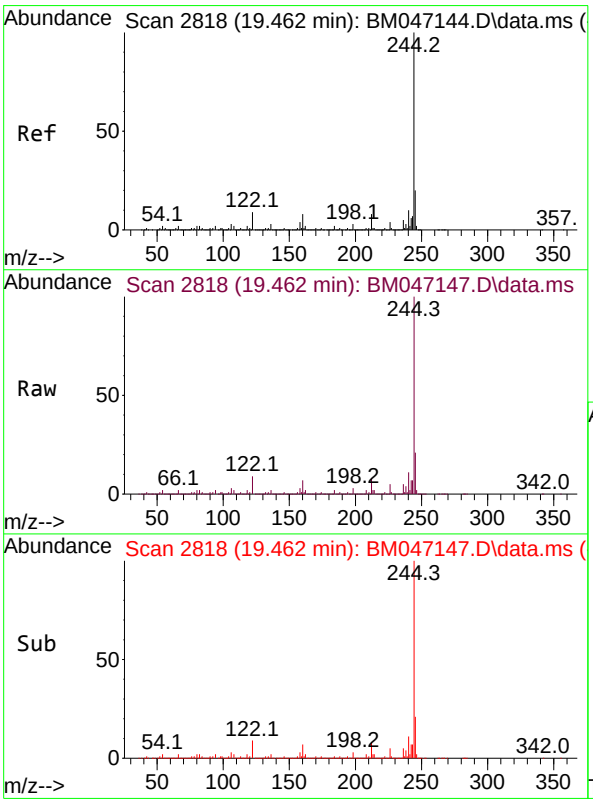
#78
Pyrene
Concen: 79.218 ng
RT: 19.239 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 8163599

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.9	14.2	21.2

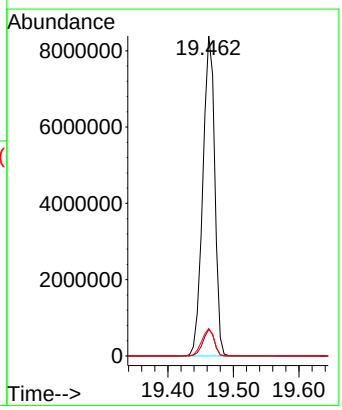


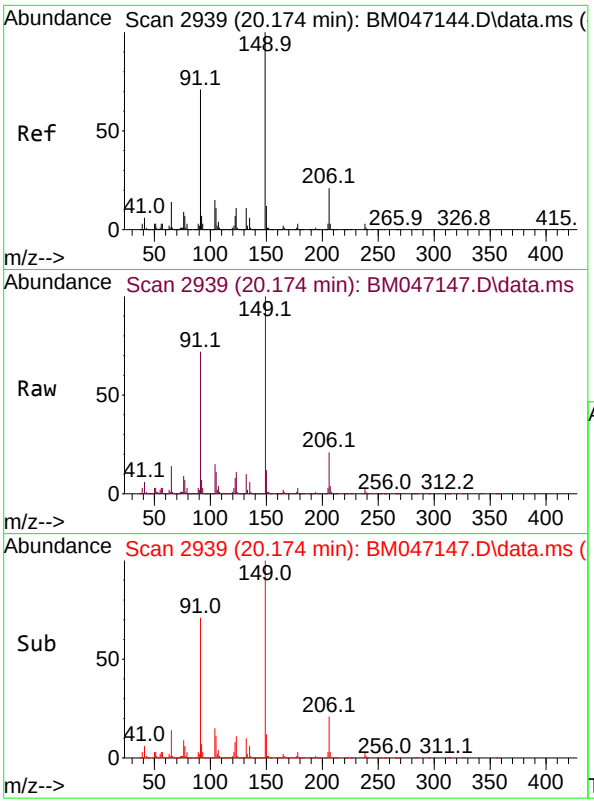


#79
Terphenyl-d14
Concen: 158.037 ng
RT: 19.462 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:244 Resp:10644639

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	8.6	7.1	10.7



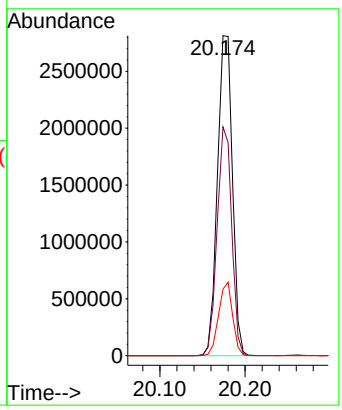


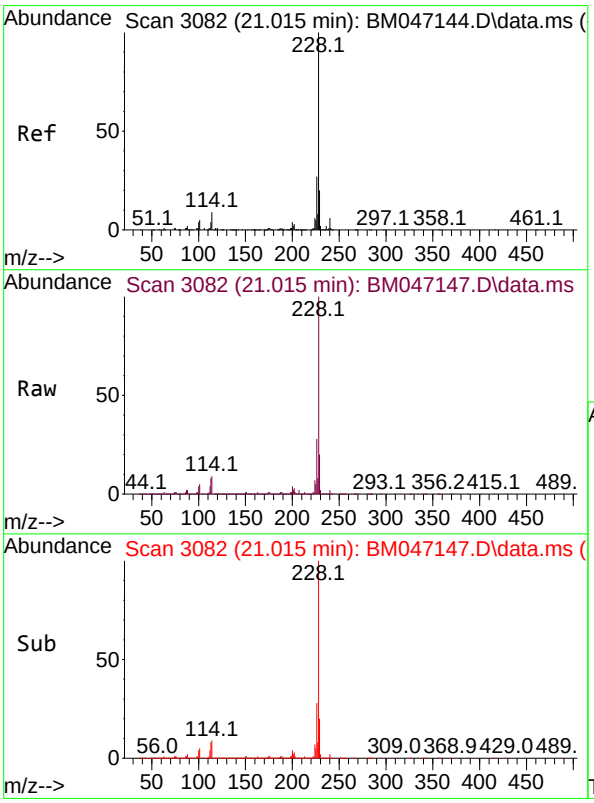
#80
Butylbenzylphthalate
Concen: 81.742 ng
RT: 20.174 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 3437732

Ion	Ratio	Lower	Upper
149	100		
91	71.5	57.0	85.4
206	20.8	16.4	24.6

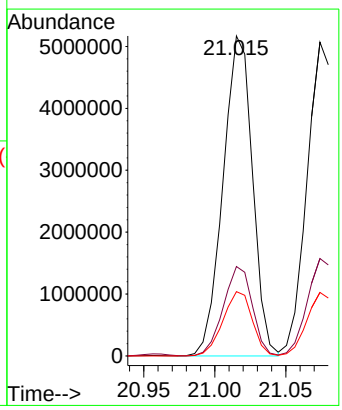


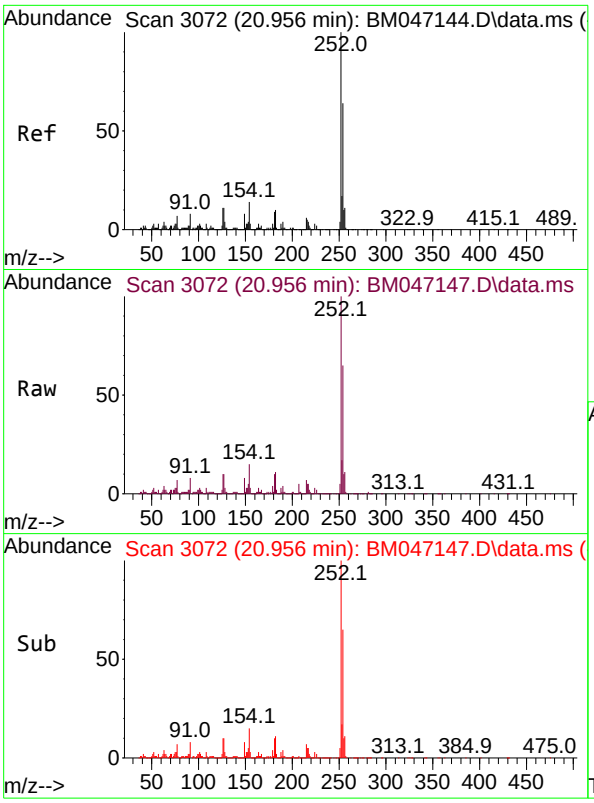


#81
Benzo(a)anthracene
Concen: 77.892 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:228 Resp: 7463024

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	20.1	15.8	23.8



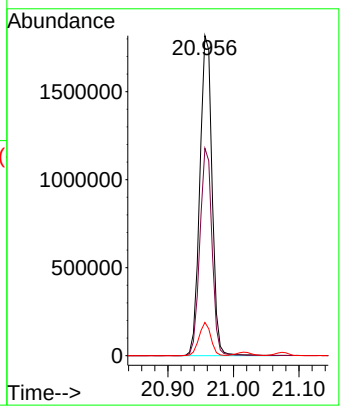


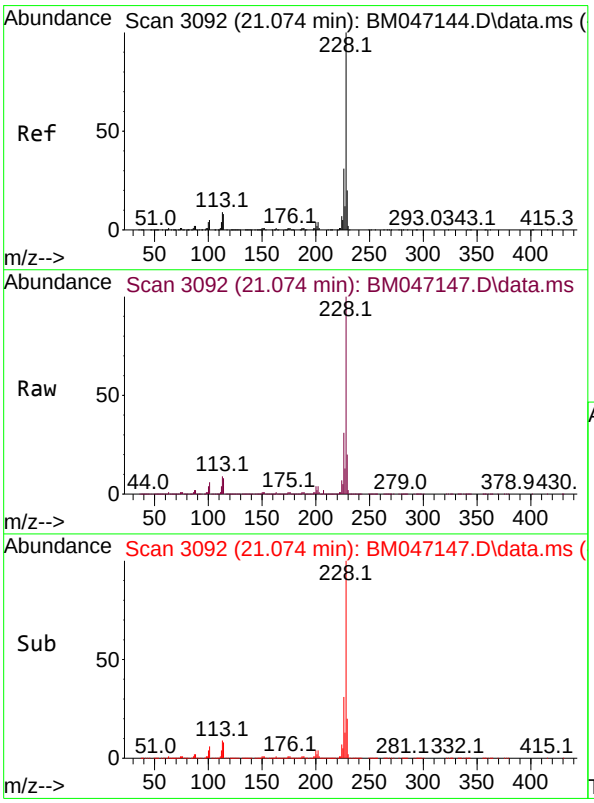
#82
3,3'-Dichlorobenzidine
Concen: 78.698 ng
RT: 20.956 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 2359199

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.0	76.6
126	10.4	8.5	12.7

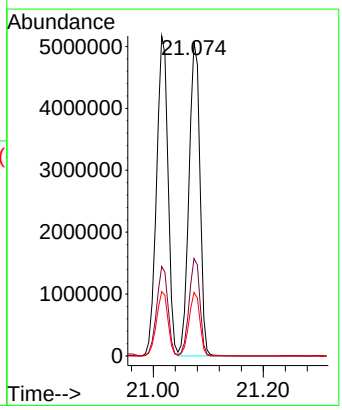


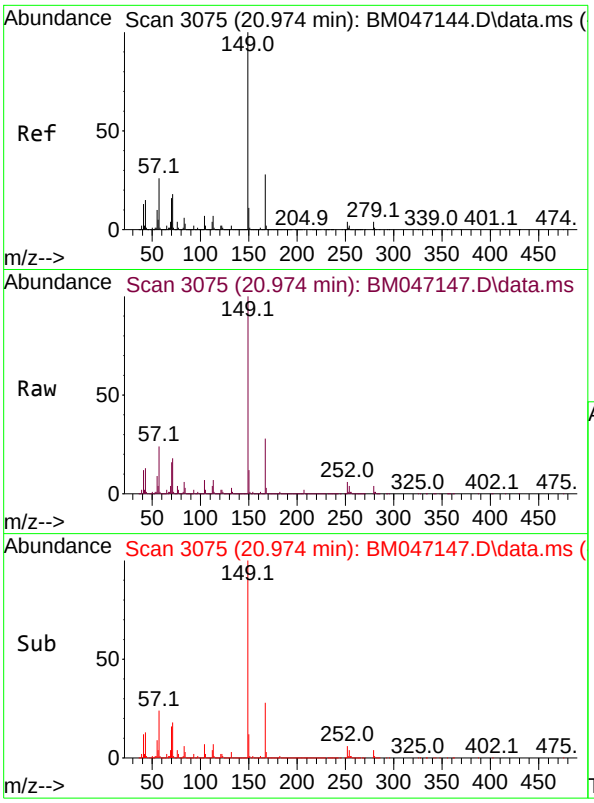


#83
Chrysene
Concen: 76.926 ng
RT: 21.074 min Scan# 3092
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:228 Resp: 6992860

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	20.2	15.7	23.5



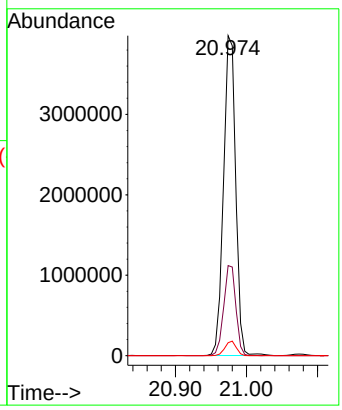


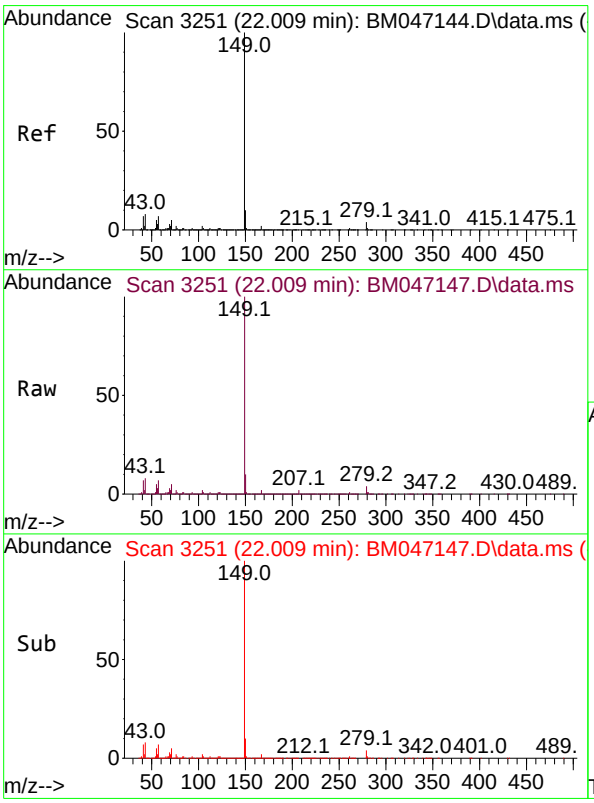
#84
Bis(2-ethylhexyl)phthalate
Concen: 79.001 ng
RT: 20.974 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4711826

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.2
279	4.1	3.0	4.4

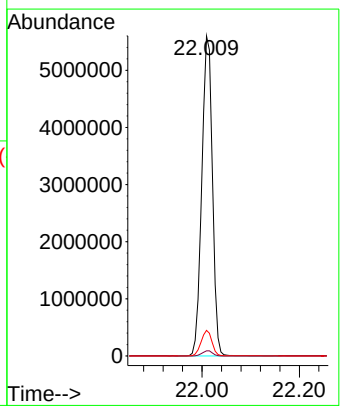


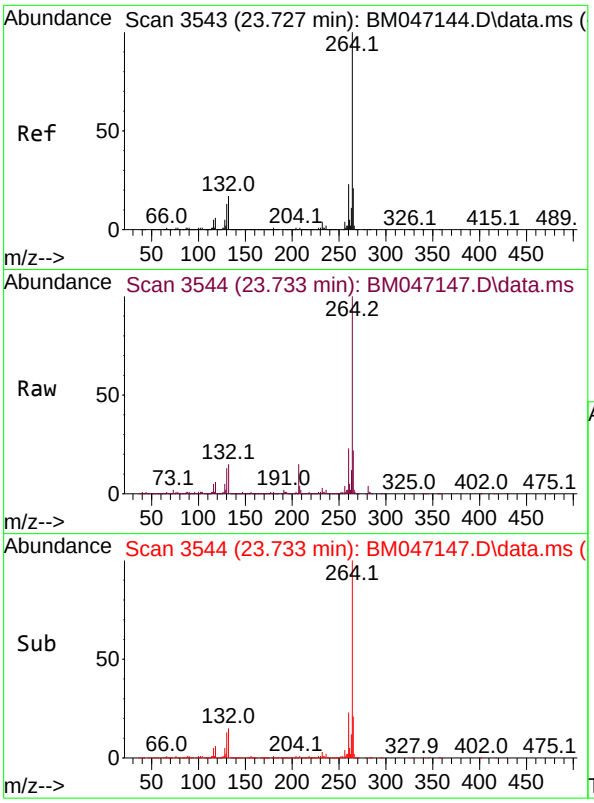


#85
Di-n-octyl phthalate
Concen: 83.492 ng
RT: 22.009 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:149 Resp: 8464049

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.1	6.9	10.3



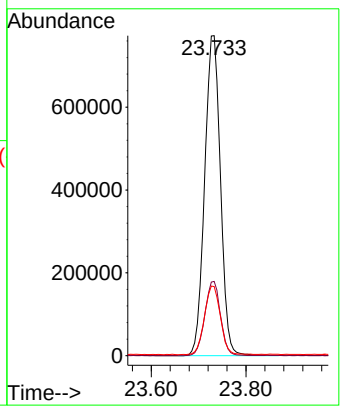


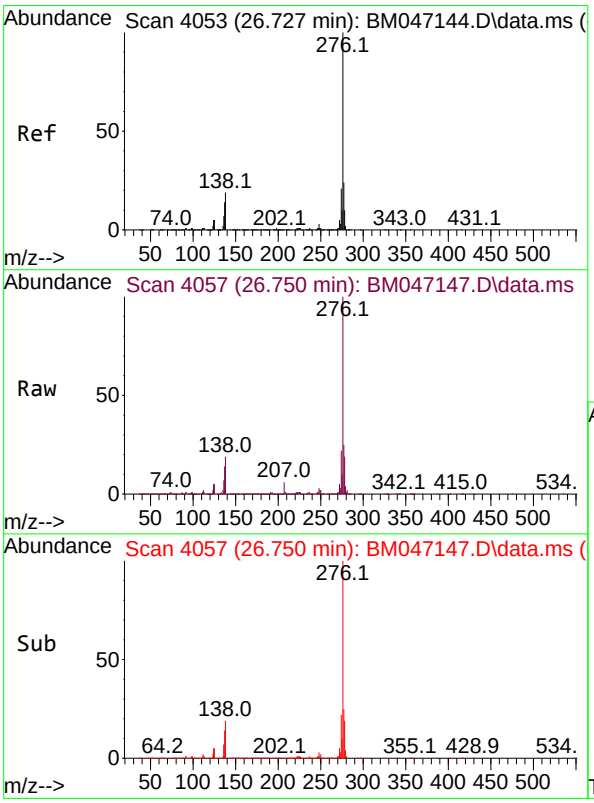
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1789187

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.6	17.3	25.9

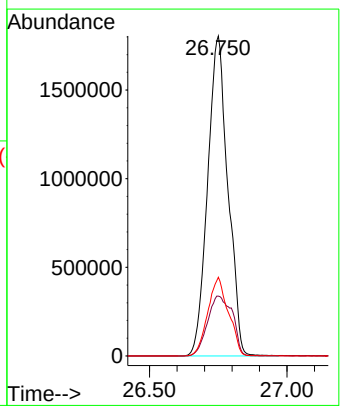


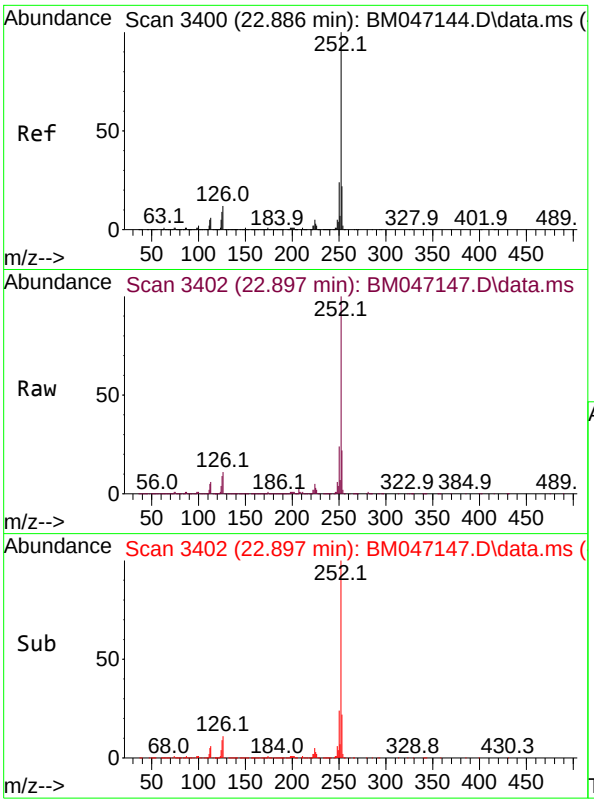


#87
Indeno(1,2,3-cd)pyrene
Concen: 80.058 ng
RT: 26.750 min Scan# 4057
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:276 Resp: 9258642

Ion	Ratio	Lower	Upper
276	100		
138	23.1	19.4	29.0
277	25.1	20.1	30.1



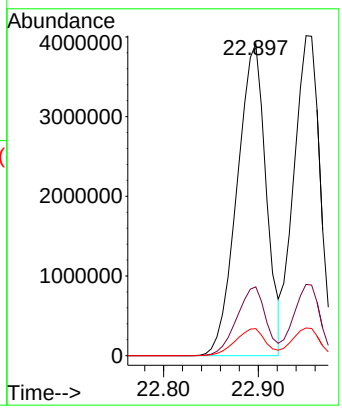


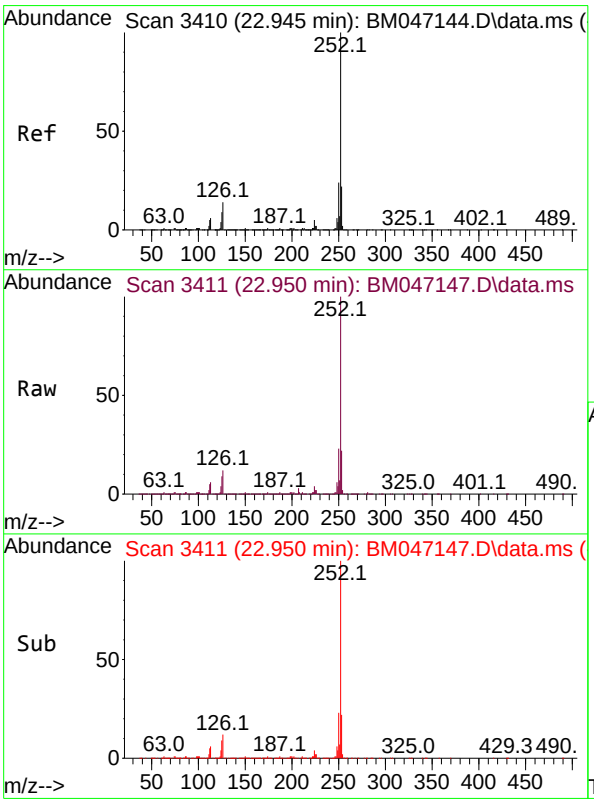
#88
Benzo(b)fluoranthene
Concen: 78.391 ng
RT: 22.897 min Scan# 34
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 8329223

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	8.6	7.4	11.0

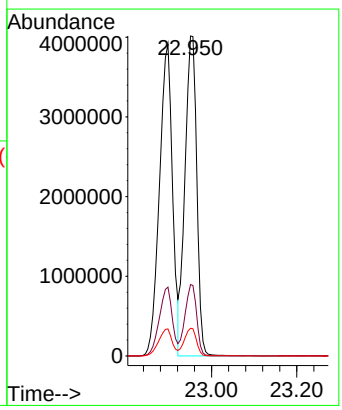


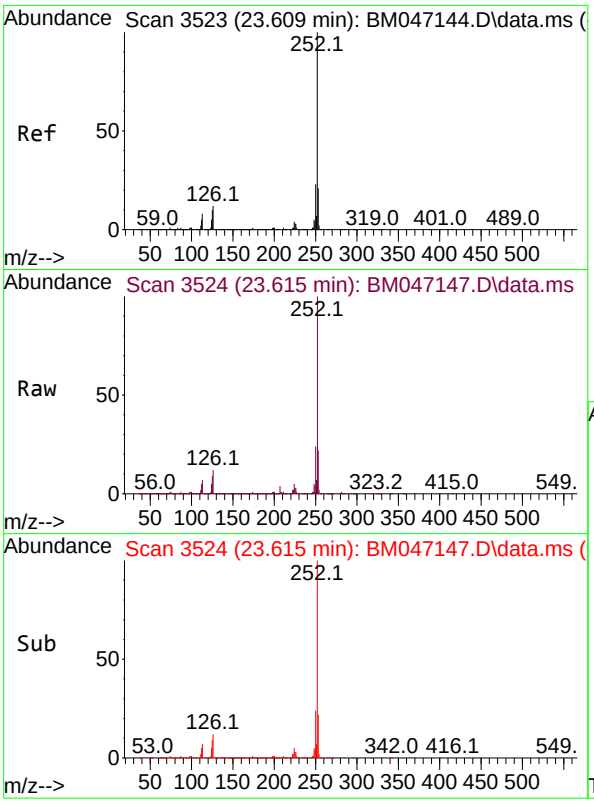


#89
Benzo(k)fluoranthene
Concen: 76.985 ng
RT: 22.950 min Scan# 3411
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:252 Resp: 7726234

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.7	7.4	11.2



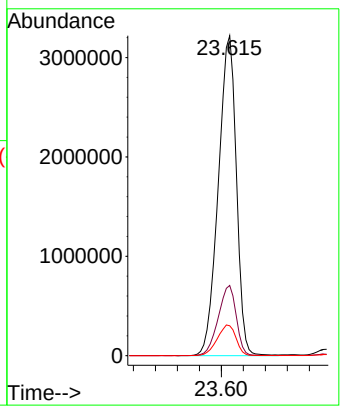


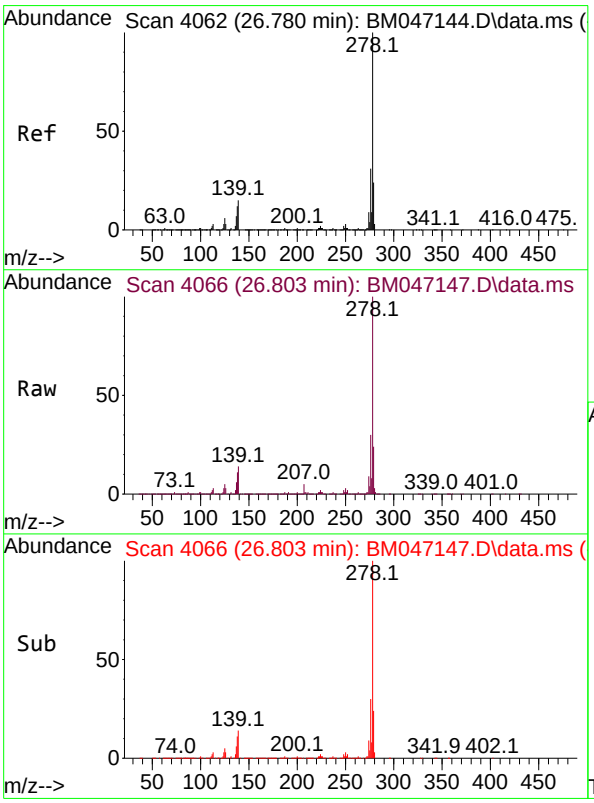
#90
Benzo(a)pyrene
Concen: 79.723 ng
RT: 23.615 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7338002

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.3	8.2	12.2

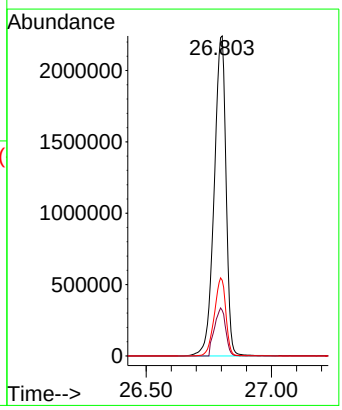


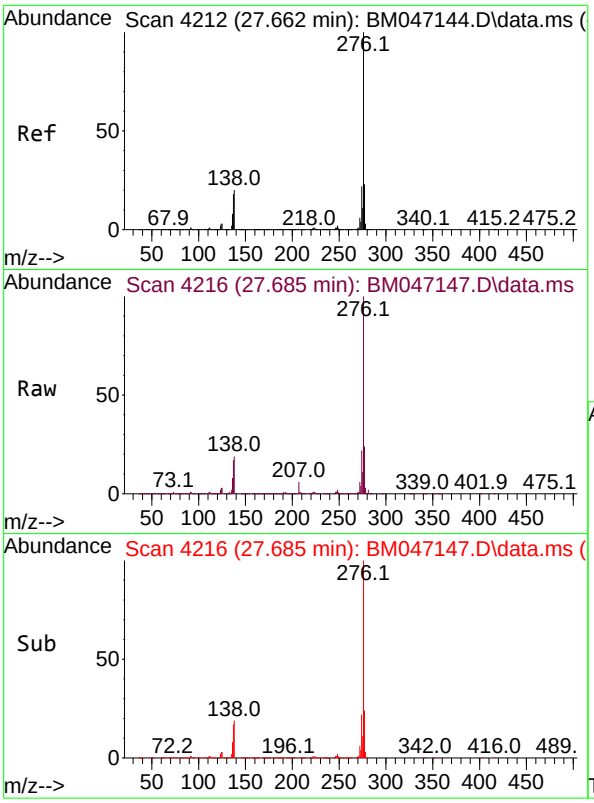


#91
Dibenzo(a,h)anthracene
Concen: 78.655 ng
RT: 26.803 min Scan# 4066
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:278 Resp: 7361474

Ion	Ratio	Lower	Upper
278	100		
139	14.3	12.0	18.0
279	23.6	19.2	28.8



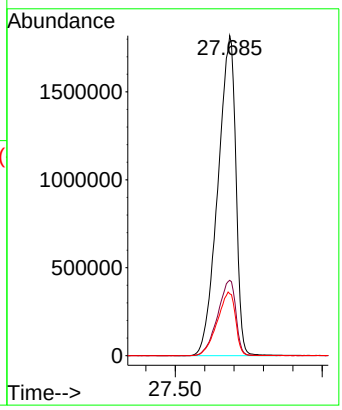


#92
Benzo(g,h,i)perylene
Concen: 79.293 ng
RT: 27.685 min Scan# 4
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7705035

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	19.4	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	296367	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1206414	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	800129	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1673175	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1477990	20.000	ng		0.00
86) Perylene-d12	23.727	264	1812426	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	1247183	75.195	ng		0.00
7) Phenol-d6	6.587	99	1751460	76.636	ng		0.00
23) Nitrobenzene-d5	8.522	82	1846961	77.088	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	757124	81.608	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	4083420	78.722	ng		0.00
79) Terphenyl-d14	19.456	244	5496459	79.687	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	253056	36.823	ng		98
3) Pyridine	3.410	79	765159m	37.969	ng		
4) n-Nitrosodimethylamine	3.328	42	328593	37.322	ng		100
6) Aniline	6.722	93	844703	39.104	ng		99
8) 2-Chlorophenol	6.951	128	703988	38.916	ng		98
9) Benzaldehyde	6.540	77	476271	39.535	ng		98
10) Phenol	6.610	94	856285	37.549	ng		99
11) bis(2-Chloroethyl)ether	6.828	93	741565	37.972	ng		99
12) 1,3-Dichlorobenzene	7.263	146	836221	38.900	ng		99
13) 1,4-Dichlorobenzene	7.410	146	845433	38.844	ng		98
14) 1,2-Dichlorobenzene	7.716	146	795642	38.744	ng		99
15) Benzyl Alcohol	7.628	79	643803	39.581	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.916	45	947270	37.800	ng		99
17) 2-Methylphenol	7.834	107	595894	39.168	ng		99
18) Hexachloroethane	8.428	117	324138	38.447	ng		99
19) n-Nitroso-di-n-propyla...	8.187	70	582895	37.864	ng		99
20) 3+4-Methylphenols	8.163	107	844879	39.723	ng		99
22) Acetophenone	8.192	105	1109726	38.108	ng	#	98
24) Nitrobenzene	8.563	77	940366	38.978	ng		96
25) Isophorone	9.086	82	1650061	39.554	ng		100
26) 2-Nitrophenol	9.263	139	440983	41.274	ng		97
27) 2,4-Dimethylphenol	9.345	122	494953	39.547	ng		98
28) bis(2-Chloroethoxy)met...	9.575	93	1024303	39.022	ng		100
29) 2,4-Dichlorophenol	9.792	162	761049	40.983	ng		100
30) 1,2,4-Trichlorobenzene	9.998	180	846099	40.261	ng		100
31) Naphthalene	10.181	128	2317673	38.564	ng		100
32) Benzoic acid	9.522	122	626290	43.072	ng		99
33) 4-Chloroaniline	10.304	127	930580	40.265	ng		98
34) Hexachlorobutadiene	10.469	225	495141	40.254	ng		99
35) Caprolactam	11.116	113	261463	40.543	ng		98
36) 4-Chloro-3-methylphenol	11.451	107	787338	39.811	ng		100
37) 2-Methylnaphthalene	11.804	142	1667488	38.968	ng		100
38) 1-Methylnaphthalene	12.033	142	1644135	38.877	ng		99
40) 1,2,4,5-Tetrachloroben...	12.186	216	885065	40.555	ng		99
41) Hexachlorocyclopentadiene	12.163	237	312767	41.042	ng		98
43) 2,4,6-Trichlorophenol	12.445	196	632529	40.777	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	707267	41.066	ng	99
46) 1,1'-Biphenyl	12.851	154	2199985	38.622	ng	98
47) 2-Chloronaphthalene	12.886	162	1712308	38.460	ng	100
48) 2-Nitroaniline	13.116	65	561121	40.230	ng	100
49) Acenaphthylene	13.751	152	2577143	39.270	ng	100
50) Dimethylphthalate	13.516	163	2199717	39.364	ng	100
51) 2,6-Dinitrotoluene	13.627	165	526940	40.338	ng	96
52) Acenaphthene	14.098	154	1616361	38.828	ng	100
53) 3-Nitroaniline	13.957	138	529385	40.443	ng	98
54) 2,4-Dinitrophenol	14.174	184	315633	40.314	ng	97
55) Dibenzofuran	14.439	168	2550249	38.784	ng	99
56) 4-Nitrophenol	14.292	139	466721	41.349	ng	98
57) 2,4-Dinitrotoluene	14.427	165	708519	40.635	ng	98
58) Fluorene	15.092	166	2108277	38.859	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	577329	40.787	ng	99
60) Diethylphthalate	14.898	149	2232502	39.122	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	1001595	38.777	ng	99
62) 4-Nitroaniline	15.133	138	517467	40.127	ng	98
63) Azobenzene	15.392	77	2048152	37.854	ng	98
65) 4,6-Dinitro-2-methylph...	15.198	198	416340	42.500	ng	94
66) n-Nitrosodiphenylamine	15.321	169	1790716	39.293	ng	100
67) 4-Bromophenyl-phenylether	15.998	248	647415	40.155	ng	97
68) Hexachlorobenzene	16.098	284	774906	40.130	ng	98
69) Atrazine	16.292	200	566536	41.312	ng	100
70) Pentachlorophenol	16.451	266	561329	41.470	ng	98
71) Phenanthrene	16.833	178	3272056	38.967	ng	100
72) Anthracene	16.927	178	3237131	39.620	ng	100
73) Carbazole	17.209	167	3262489	39.108	ng	99
74) Di-n-butylphthalate	17.792	149	3851216	39.675	ng	100
75) Fluoranthene	18.868	202	3981412	38.982	ng	99
77) Benzidine	19.074	184	1486859	59.321	ng	100
78) Pyrene	19.233	202	4150742	39.331	ng	99
80) Butylbenzylphthalate	20.174	149	1778335	41.291	ng	98
81) Benzo(a)anthracene	21.015	228	3835235	39.088	ng	100
82) 3,3'-Dichlorobenzidine	20.956	252	1322453	43.078	ng	98
83) Chrysene	21.068	228	3598062	38.651	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	2464399	40.349	ng	100
85) Di-n-octyl phthalate	22.003	149	4287924	41.304	ng	99
87) Indeno(1,2,3-cd)pyrene	26.726	276	4748737	40.535	ng	99
88) Benzo(b)fluoranthene	22.886	252	4137733	38.443	ng	100
89) Benzo(k)fluoranthene	22.944	252	4000536	39.350	ng	99
90) Benzo(a)pyrene	23.603	252	3707577	39.764	ng	99
91) Dibenzo(a,h)anthracene	26.774	278	3803894	40.122	ng	99
92) Benzo(g,h,i)perylene	27.656	276	3997872	40.615	ng	100

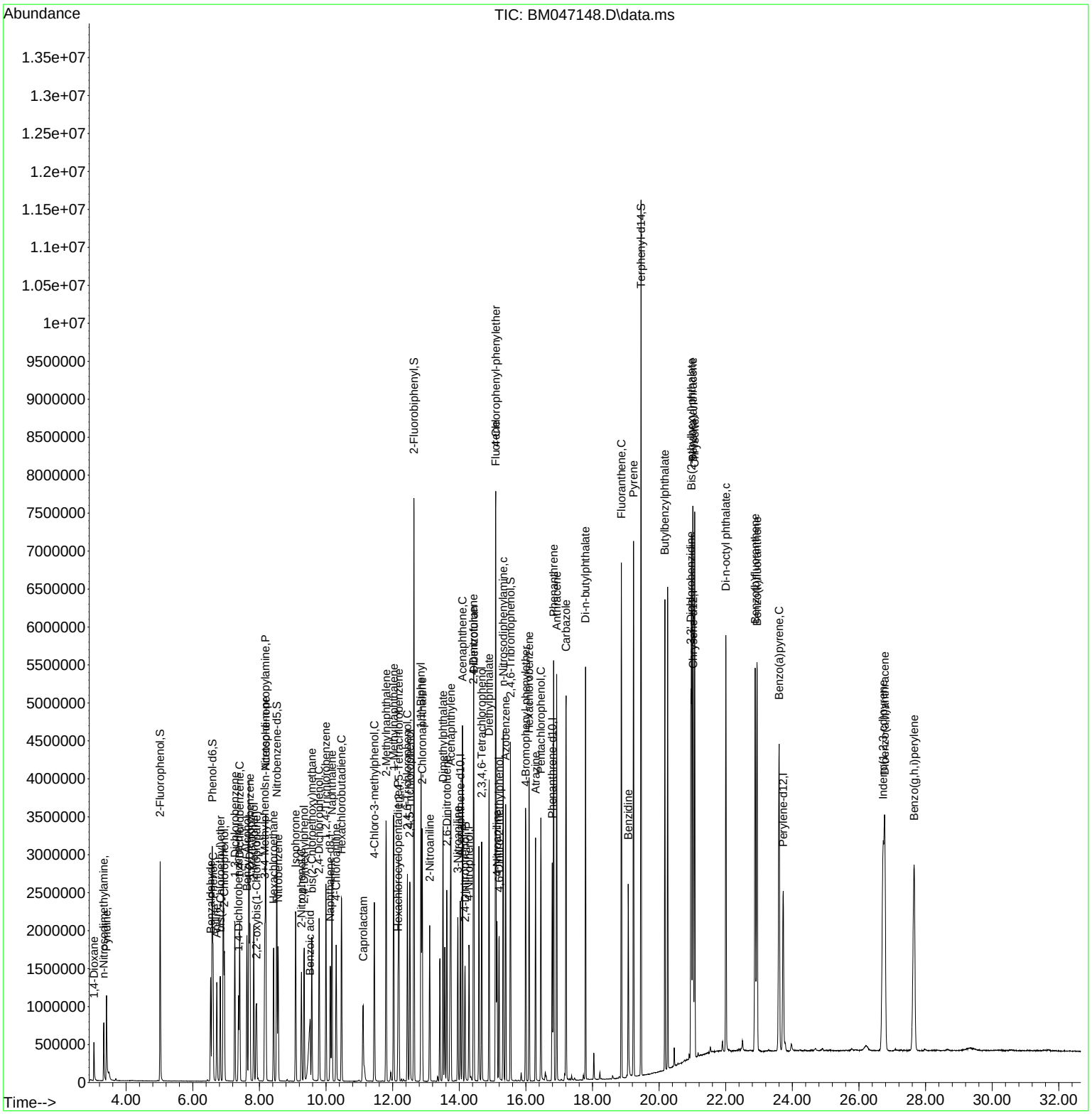
(#) = qualifier out of range (m) = manual integration (+) = signals summed

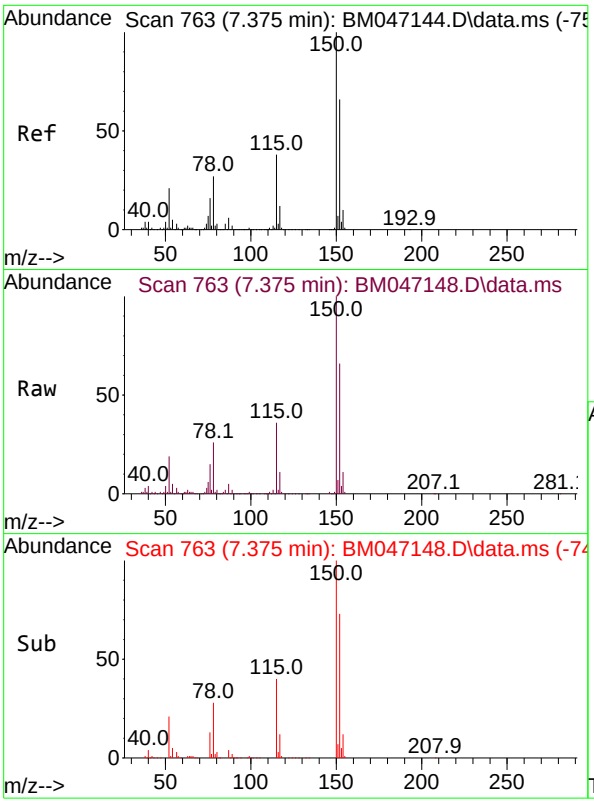
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



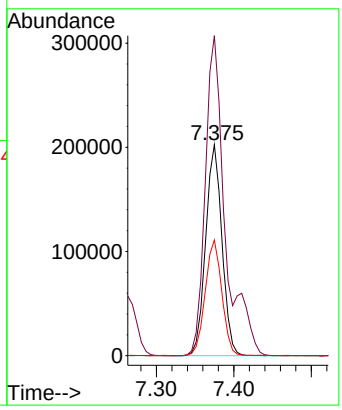


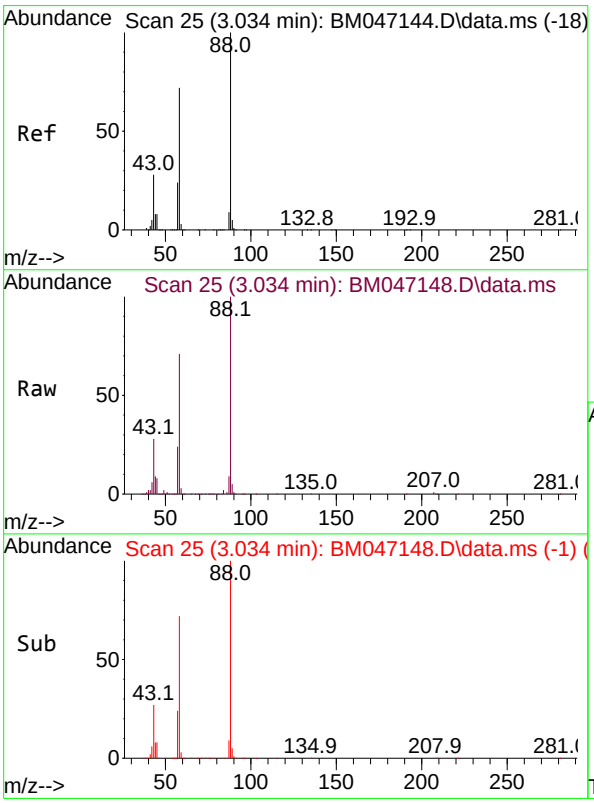
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:152 Resp: 296367

Ion	Ratio	Lower	Upper
152	100		
150	151.6	120.5	180.7
115	54.8	45.5	68.3

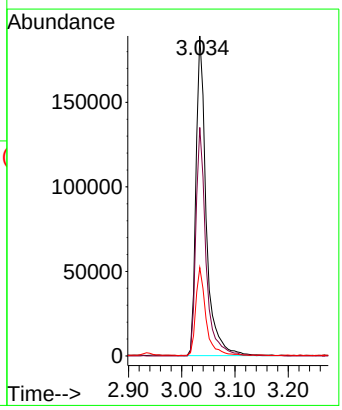


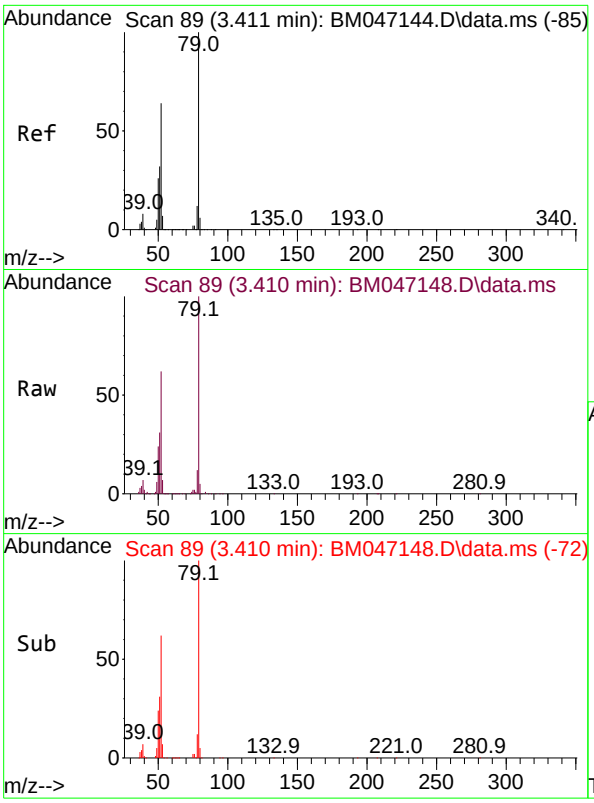


#2
1,4-Dioxane
Concen: 36.823 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 88 Resp: 253056

Ion	Ratio	Lower	Upper
88	100		
58	70.9	58.2	87.4
43	27.5	22.5	33.7



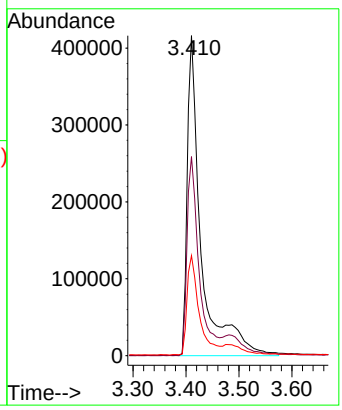


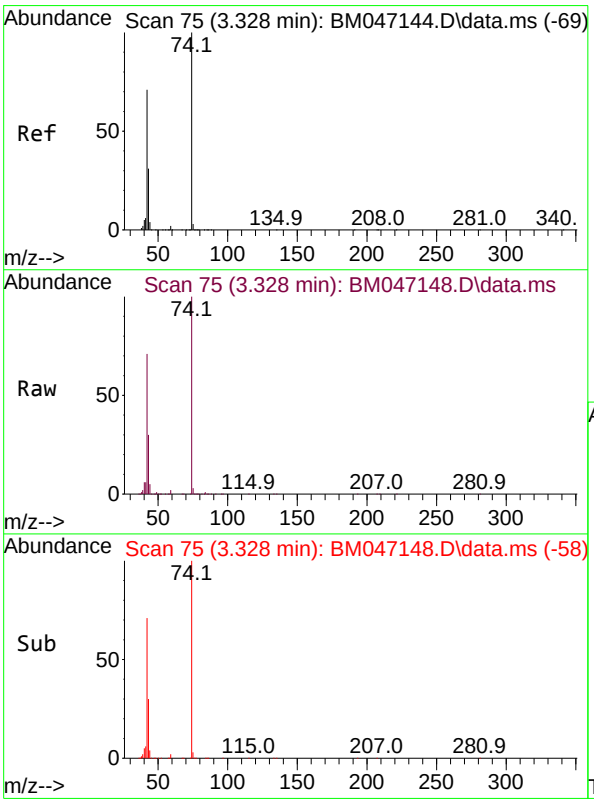
#3
Pyridine
Concen: 37.969 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 79 Resp: 765159

Ion	Ratio	Lower	Upper
79	100		
52	62.2	51.2	76.8
51	31.2	26.1	39.1

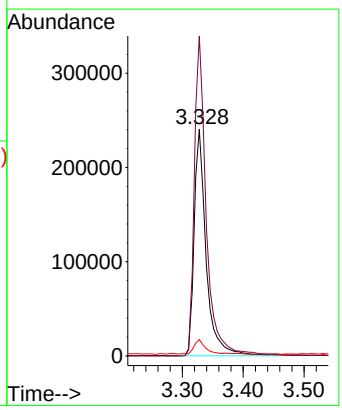


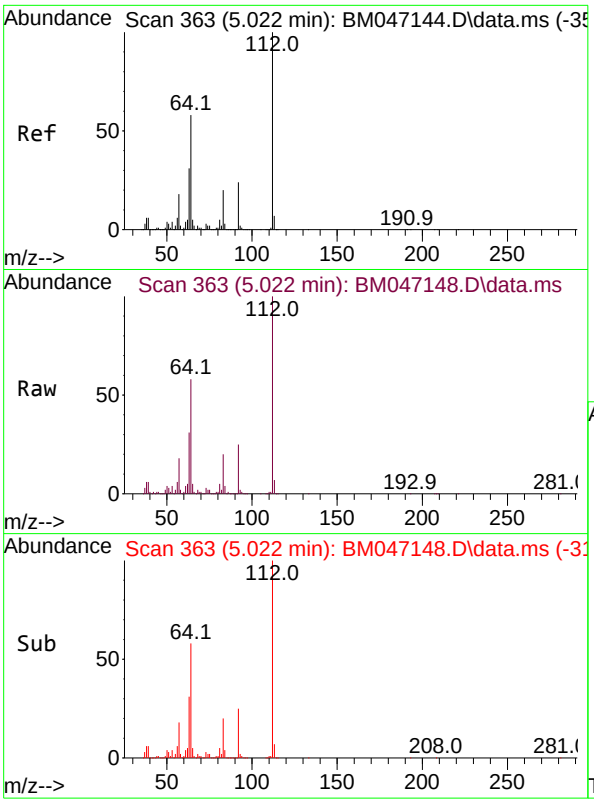


#4
n-Nitrosodimethylamine
Concen: 37.322 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 42 Resp: 328593

Ion	Ratio	Lower	Upper
42	100		
74	141.2	112.9	169.3
44	7.2	5.3	7.9



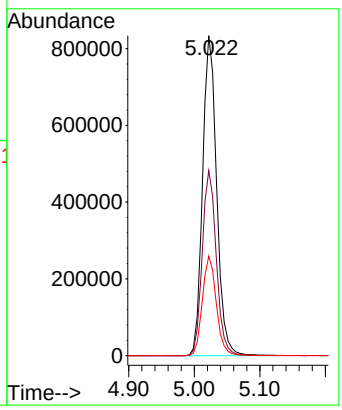


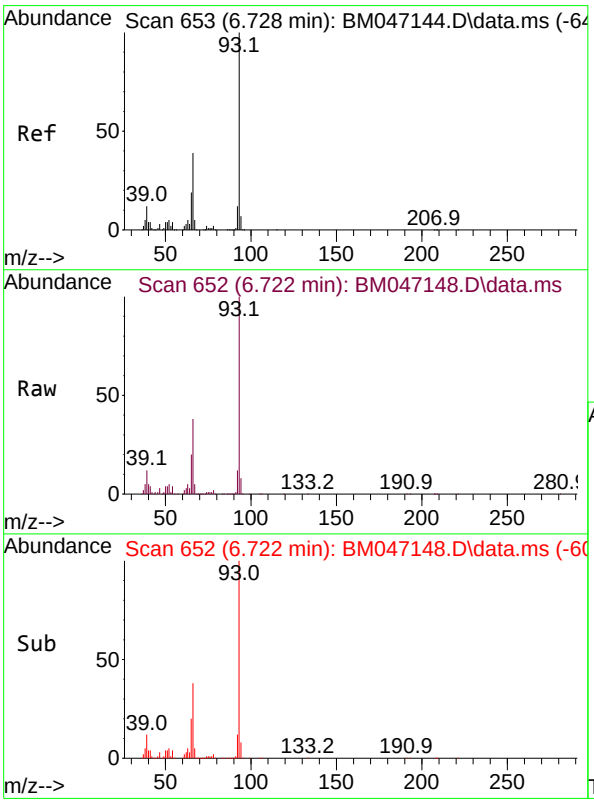
#5
2-Fluorophenol
Concen: 75.195 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:112 Resp: 1247183

Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.7	70.1
63	31.1	24.8	37.2

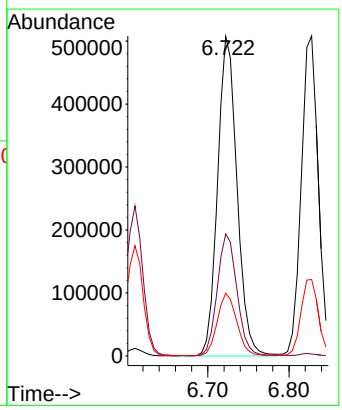


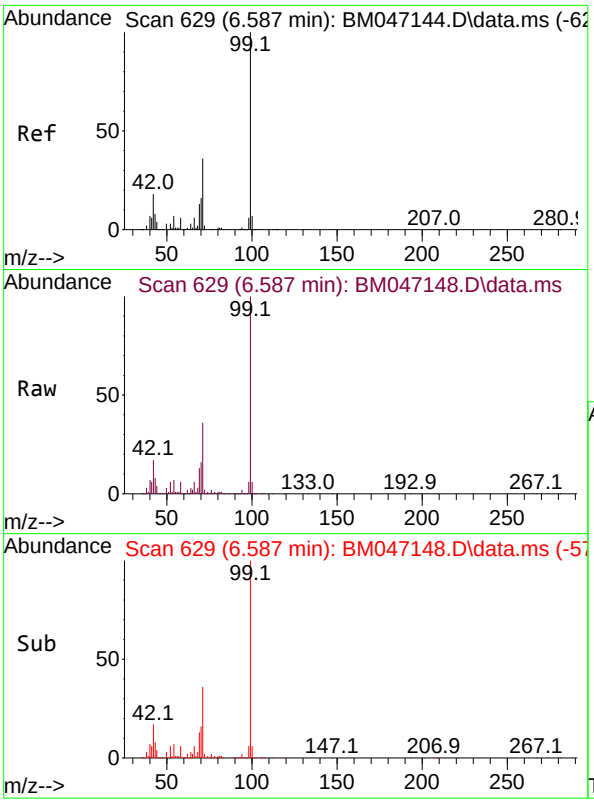


#6
Aniline
Concen: 39.104 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 93 Resp: 844703

Ion	Ratio	Lower	Upper
93	100		
66	38.2	31.4	47.2
65	19.6	15.6	23.4



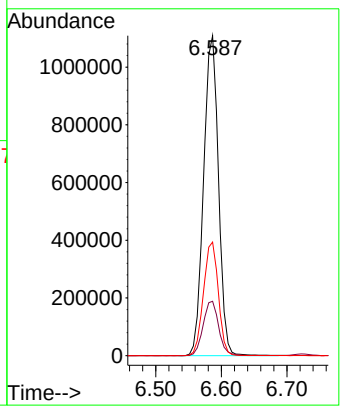


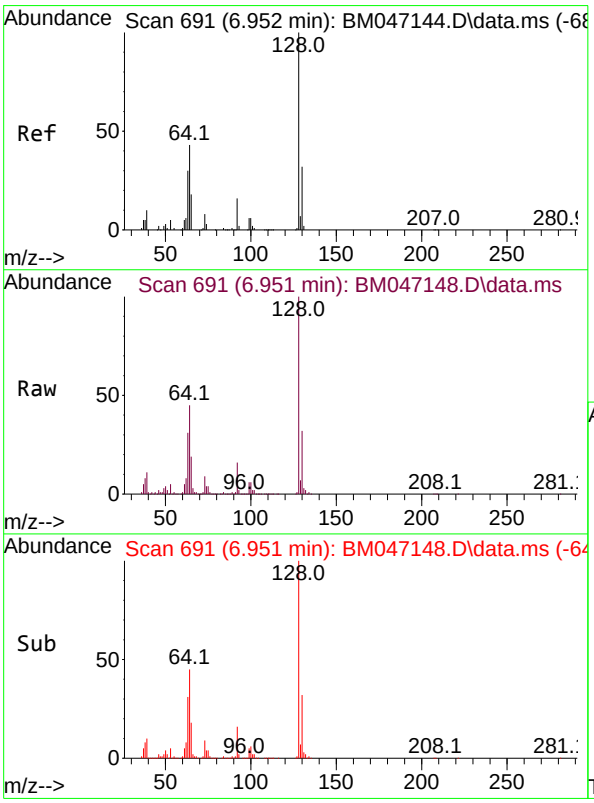
#7
Phenol-d6
Concen: 76.636 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 99 Resp: 1751460

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.1	21.1
71	35.5	28.5	42.7

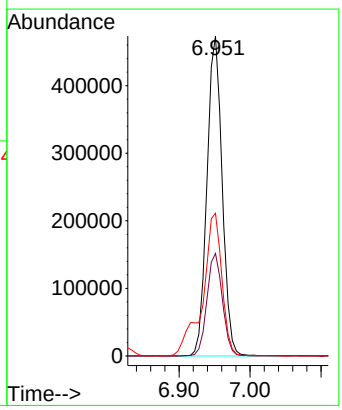


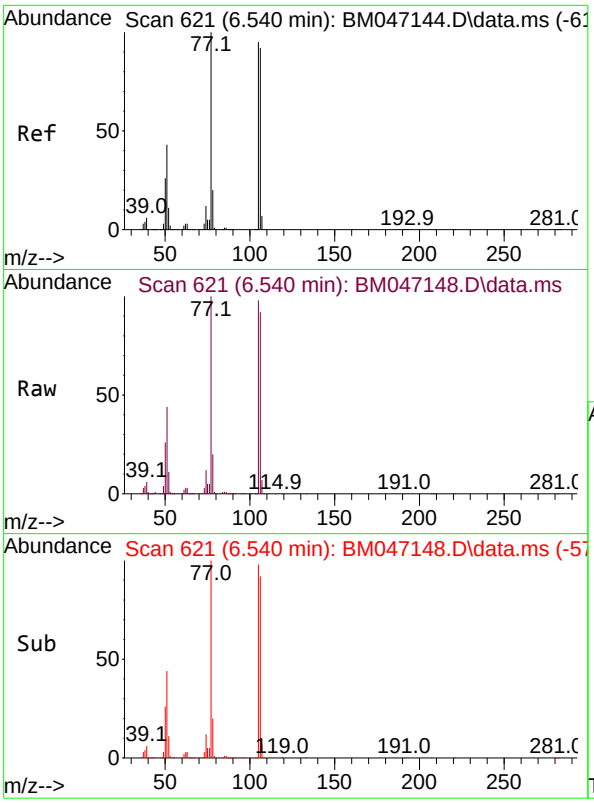


#8
2-Chlorophenol
Concen: 38.916 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:128 Resp: 703988

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.1	52.1
64	44.6	26.6	66.6



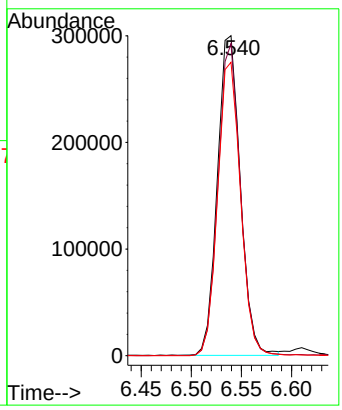


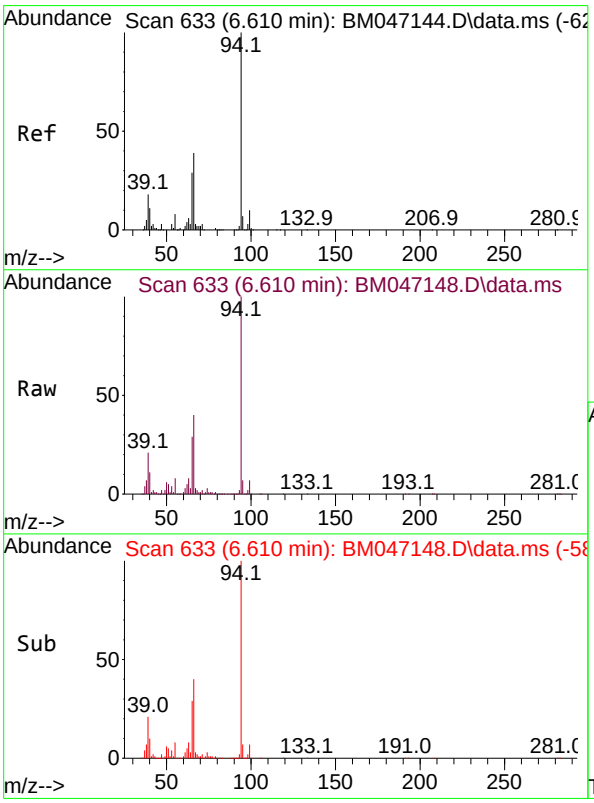
#9
Benzaldehyde
Concen: 39.535 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 77 Resp: 476271

Ion	Ratio	Lower	Upper
77	100		
105	97.6	74.5	114.5
106	91.7	72.3	112.3

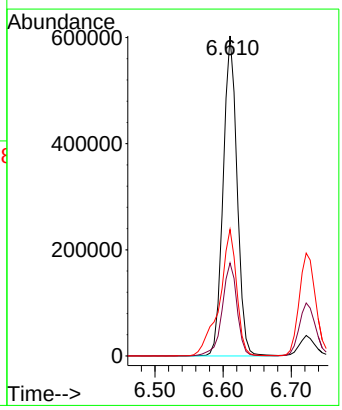


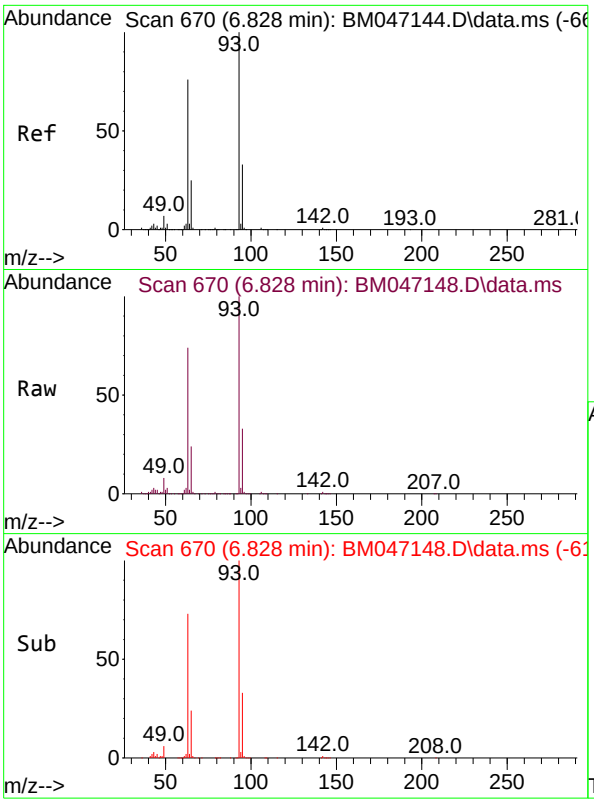


#10
Phenol
Concen: 37.549 ng
RT: 6.610 min Scan# 633
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 94 Resp: 856285

Ion	Ratio	Lower	Upper
94	100		
65	29.0	9.0	49.0
66	39.5	18.9	58.9



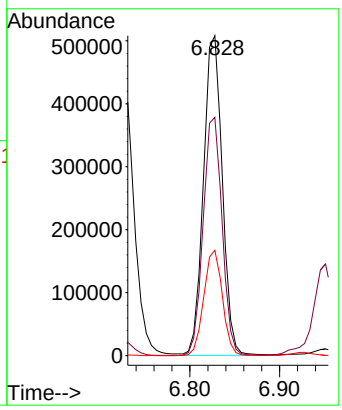


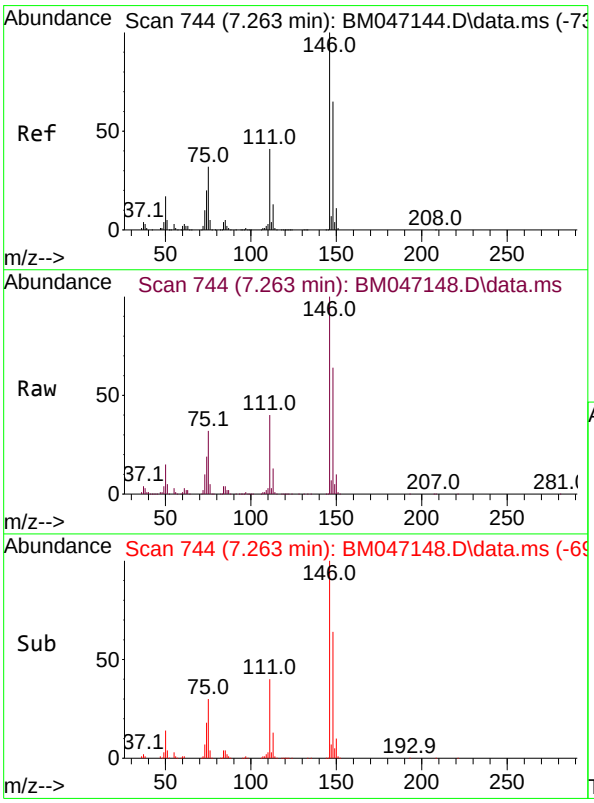
#11
bis(2-Chloroethyl)ether
Concen: 37.972 ng
RT: 6.828 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 93 Resp: 741565

Ion	Ratio	Lower	Upper
93	100		
63	74.5	55.8	95.8
95	32.9	12.7	52.7

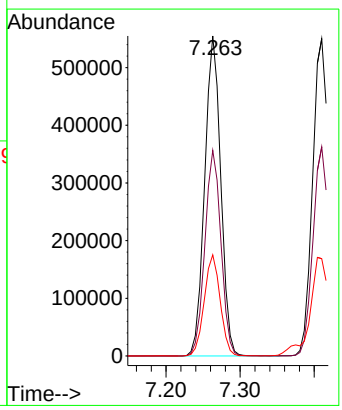


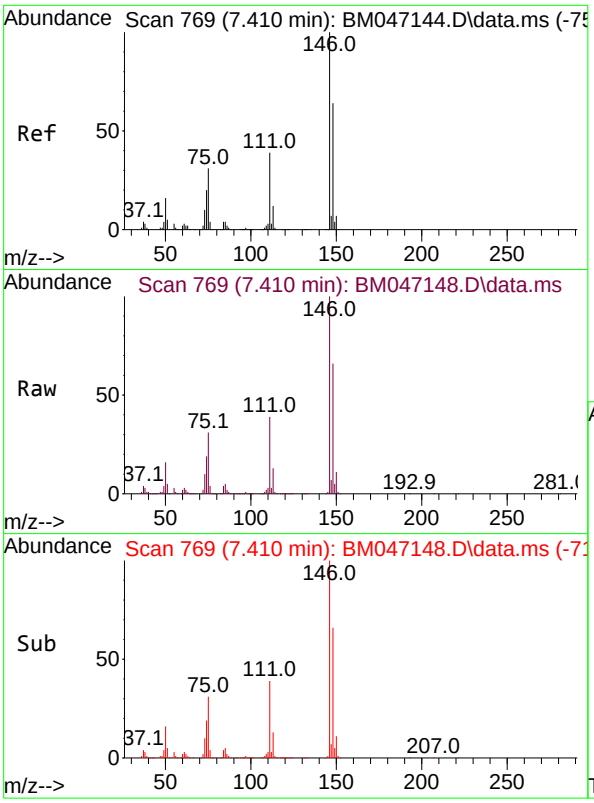


#12
1,3-Dichlorobenzene
Concen: 38.900 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:146 Resp: 836221

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.3	78.5
75	31.6	25.8	38.6



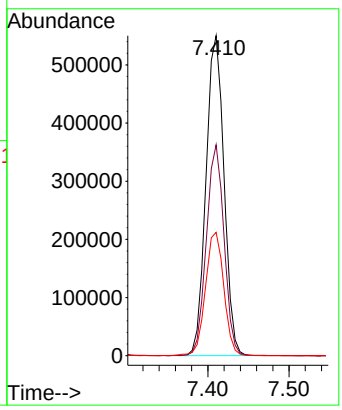


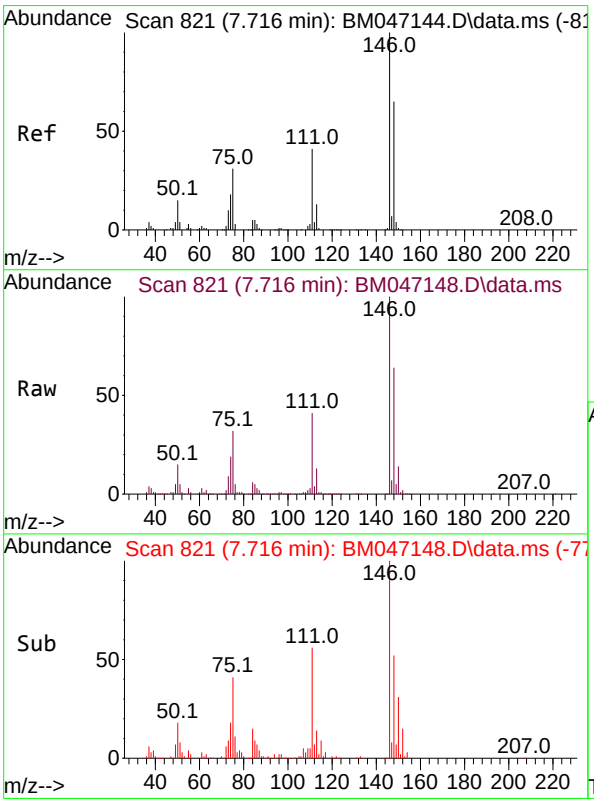
#13
1,4-Dichlorobenzene
Concen: 38.844 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:146 Resp: 845433

Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.4	77.2
111	38.5	31.5	47.3

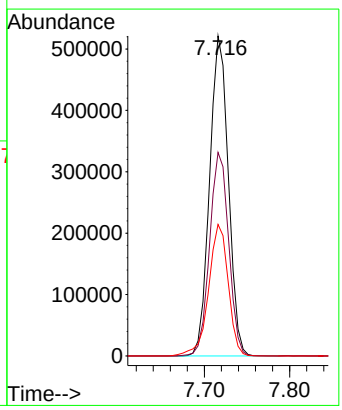


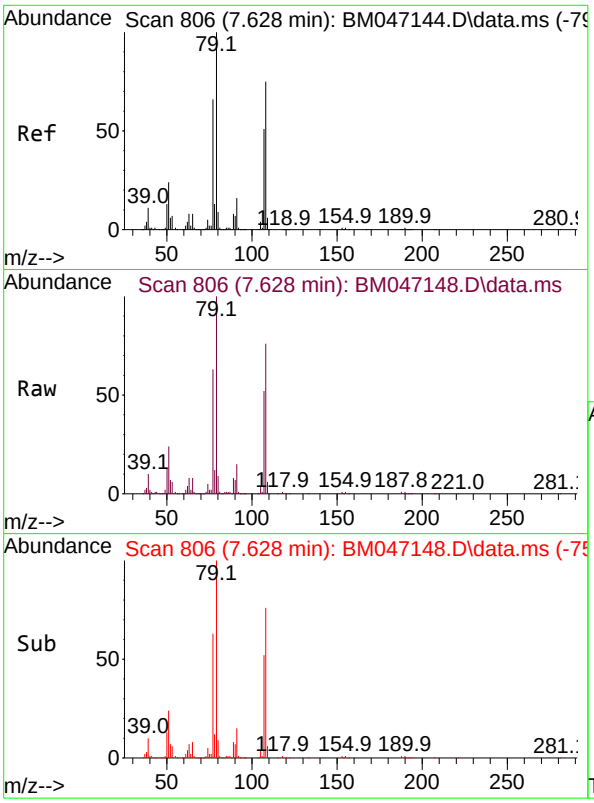


#14
1,2-Dichlorobenzene
Concen: 38.744 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:146 Resp: 795642

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.8
111	41.1	33.3	49.9



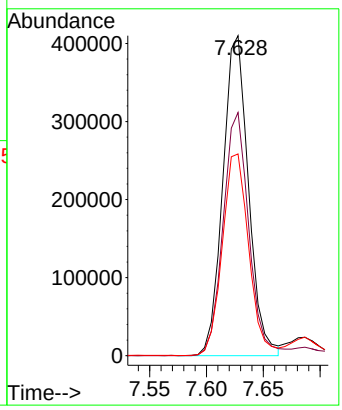


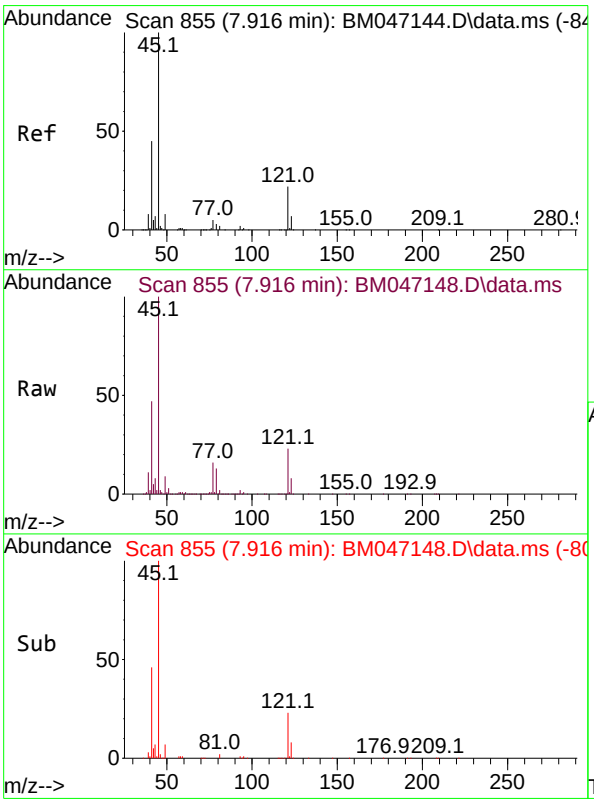
#15
Benzyl Alcohol
Concen: 39.581 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 79 Resp: 643803

Ion	Ratio	Lower	Upper
79	100		
108	76.0	59.7	89.5
77	63.1	52.9	79.3

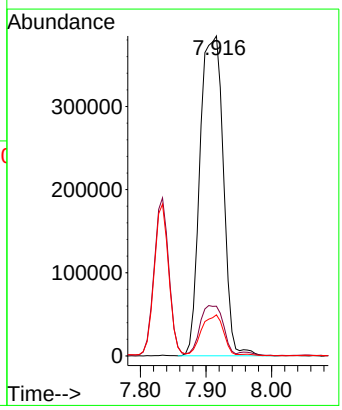


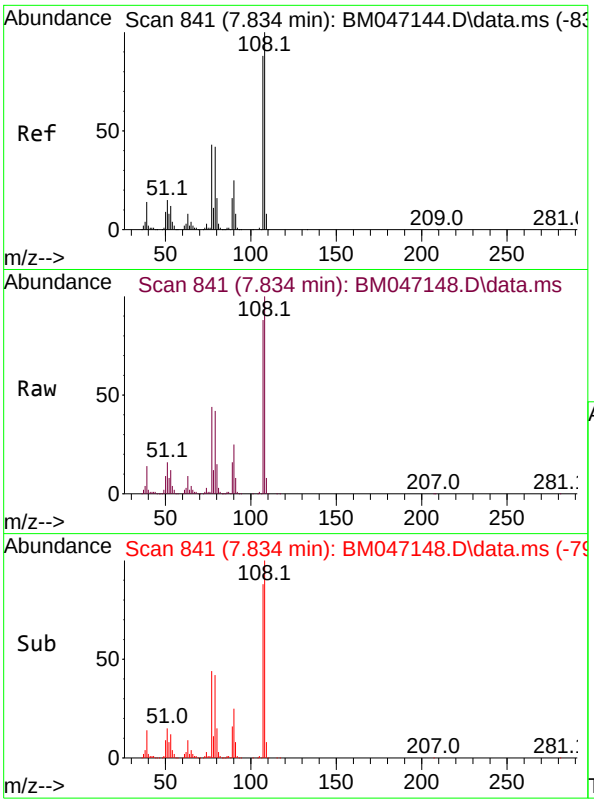


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.800 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 45 Resp: 947270

Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	35.6
79	12.8	0.0	32.4



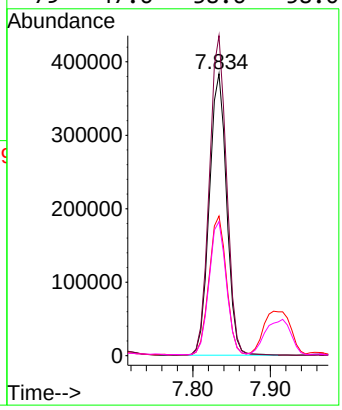


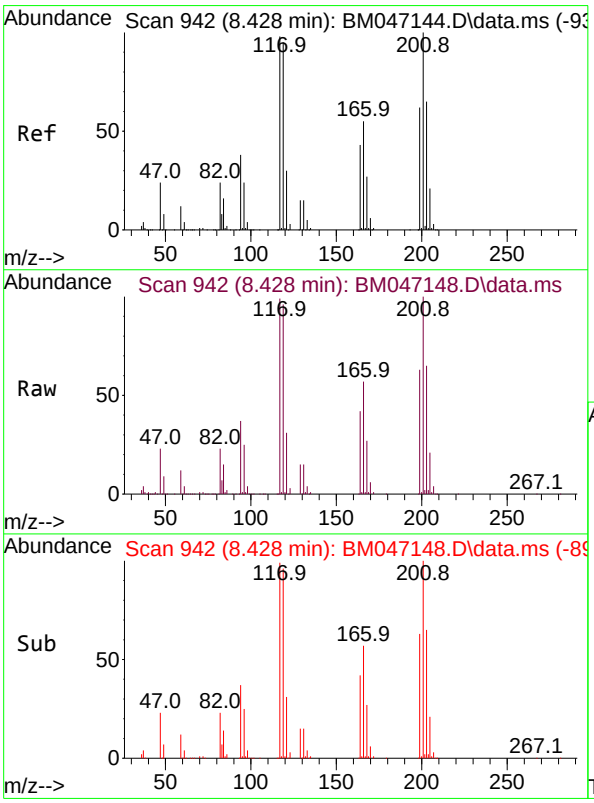
#17
2-Methylphenol
Concen: 39.168 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:107 Resp: 595894

Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.6	135.8
77	49.5	39.3	58.9
79	47.6	38.6	58.0

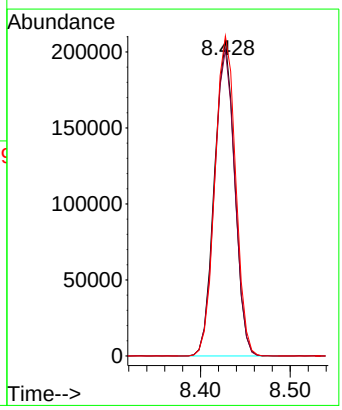


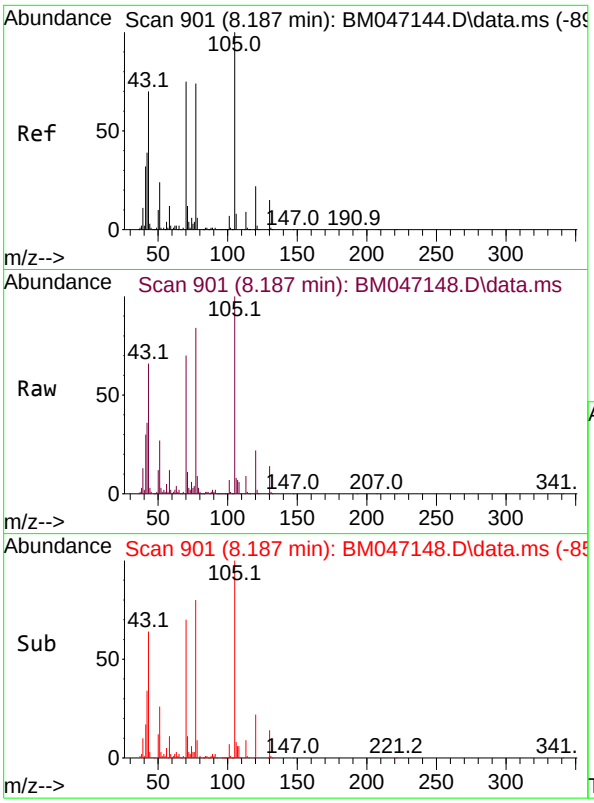


#18
Hexachloroethane
Concen: 38.447 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:117 Resp: 324138

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.4
201	101.3	81.3	121.9



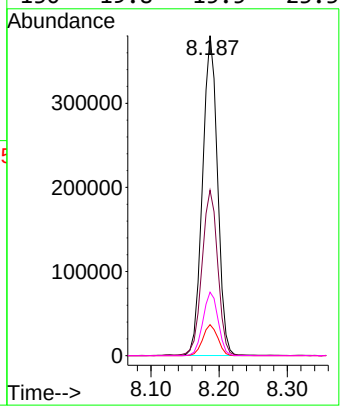


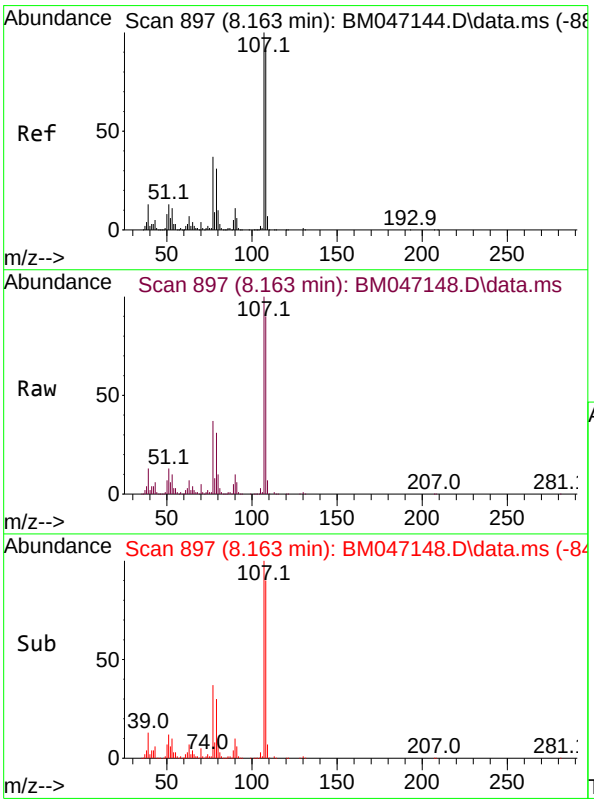
#19
n-Nitroso-di-n-propylamine
Concen: 37.864 ng
RT: 8.187 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 70 Resp: 582895

Ion	Ratio	Lower	Upper
70	100		
42	51.7	42.0	63.0
101	9.7	7.2	10.8
130	19.8	15.5	23.3

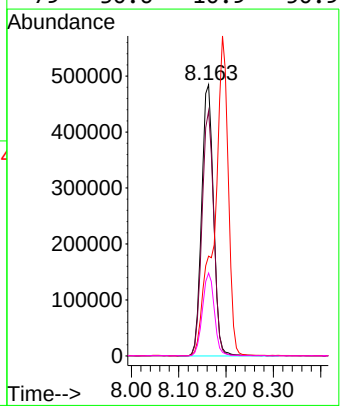


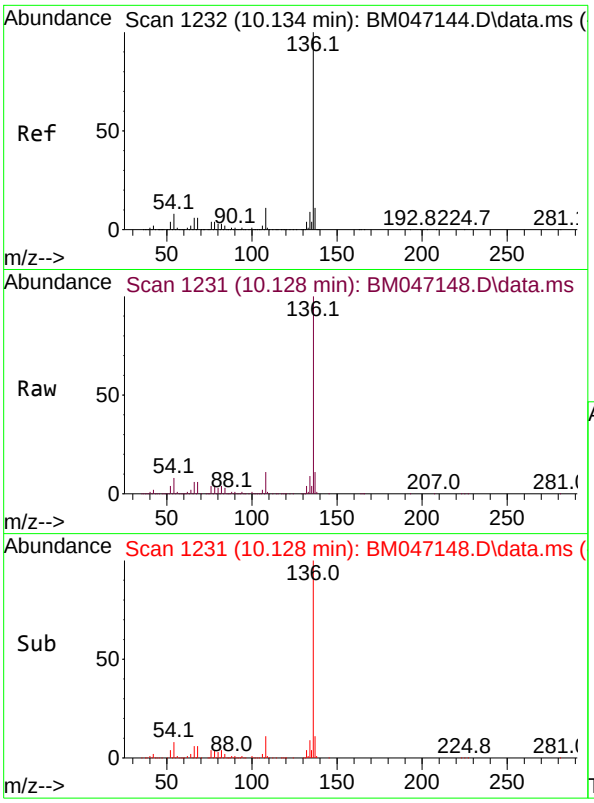


#20
3+4-Methylphenols
Concen: 39.723 ng
RT: 8.163 min Scan# 897
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:107 Resp: 844879

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.7	110.7
77	36.8	17.4	57.4
79	30.6	10.9	50.9



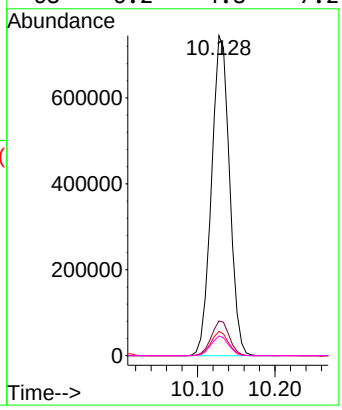


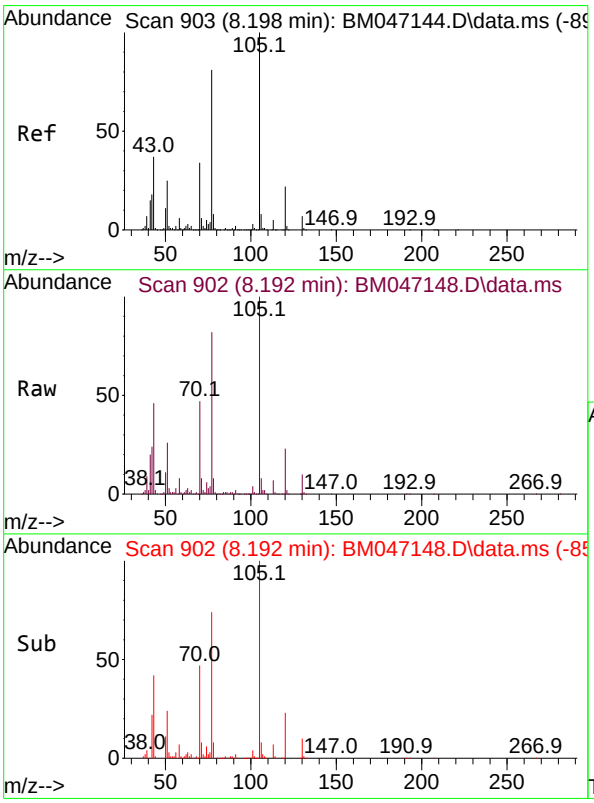
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:136 Resp: 1206414

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	6.0	9.0
68	6.2	4.8	7.2

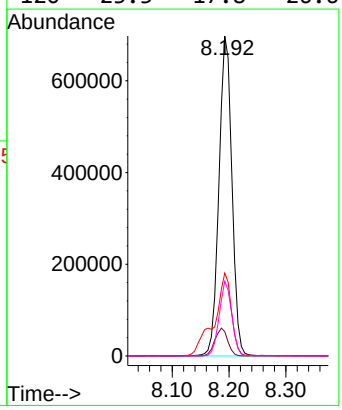


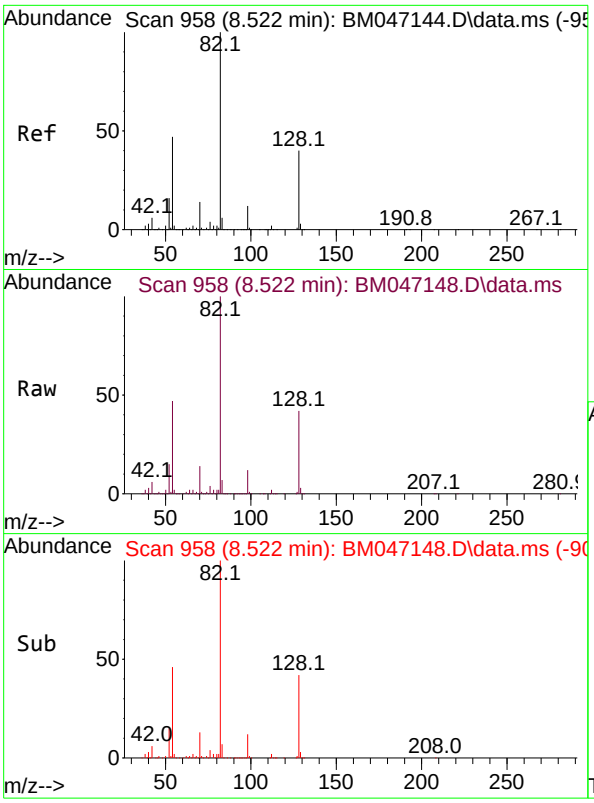


#22
Acetophenone
Concen: 38.108 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:105 Resp: 1109726

Ion	Ratio	Lower	Upper
105	100		
71	7.6	4.5	6.7#
51	25.9	20.1	30.1
120	23.3	17.8	26.6



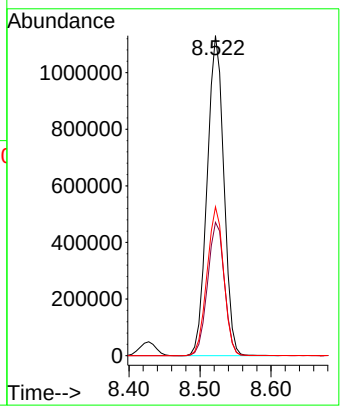


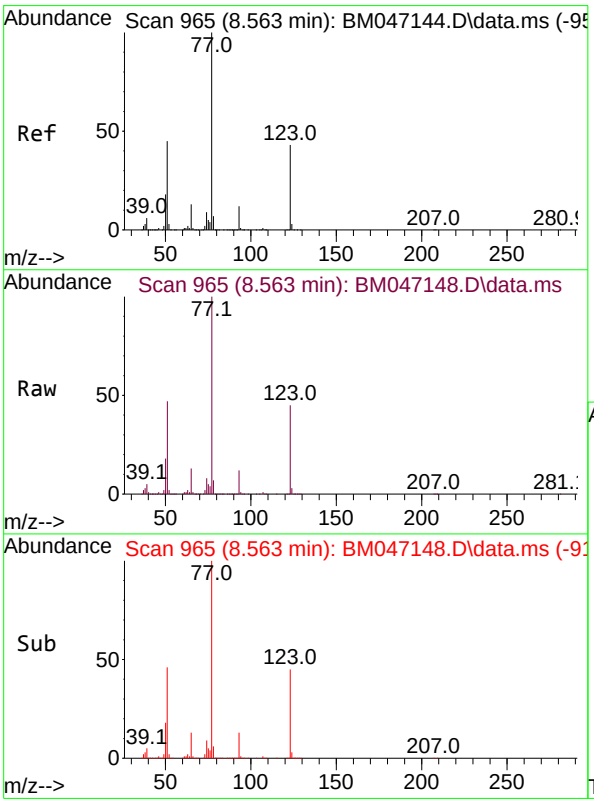
#23
Nitrobenzene-d5
Concen: 77.088 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 82 Resp: 1846961

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.3	48.5
54	46.5	37.4	56.2

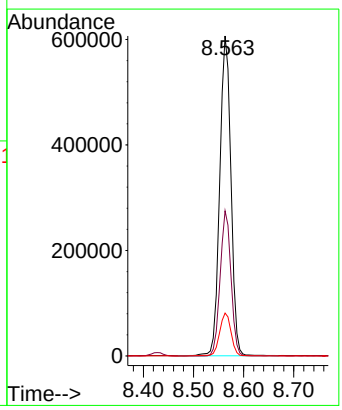


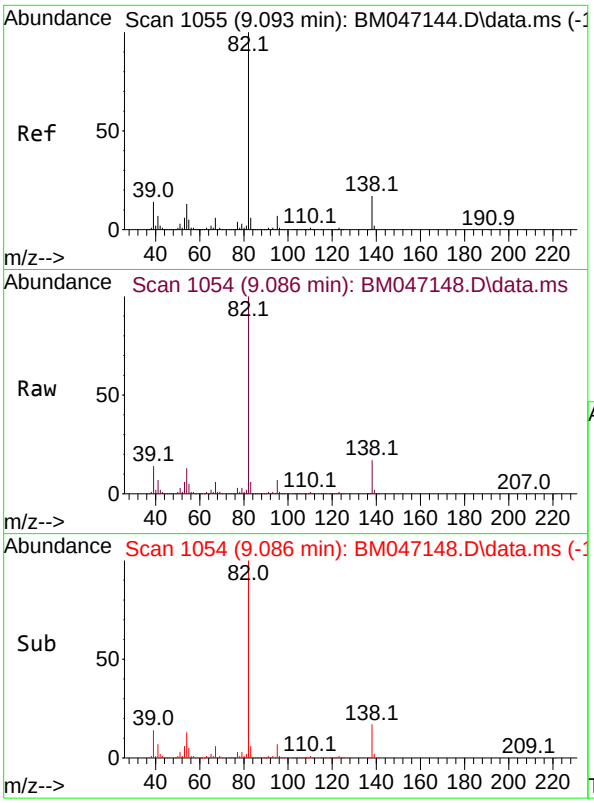


#24
Nitrobenzene
Concen: 38.978 ng
RT: 8.563 min Scan# 965
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 77 Resp: 940366

Ion	Ratio	Lower	Upper
77	100		
123	45.3	34.0	51.0
65	13.4	10.5	15.7



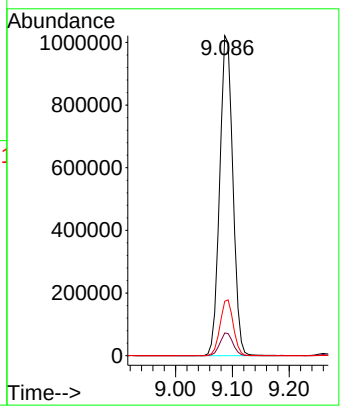


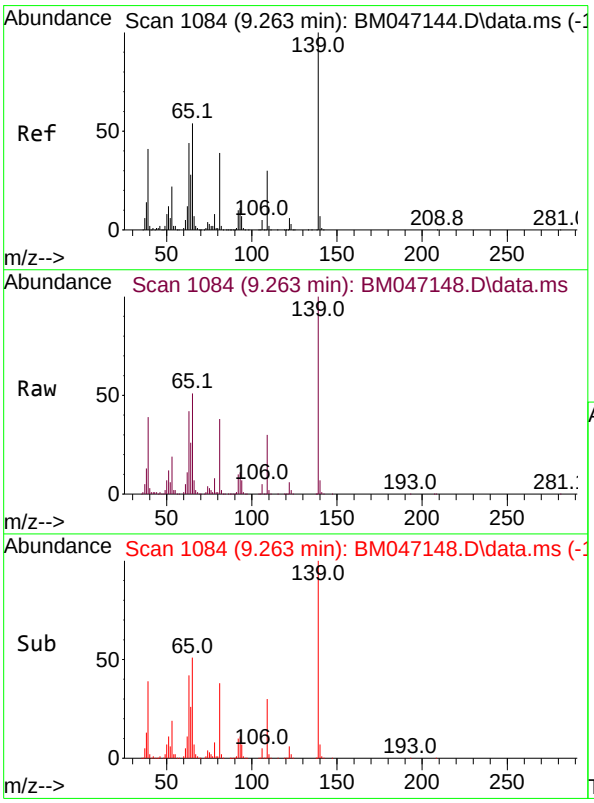
#25
Isophorone
Concen: 39.554 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 82 Resp: 1650061

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.0	13.5	20.3

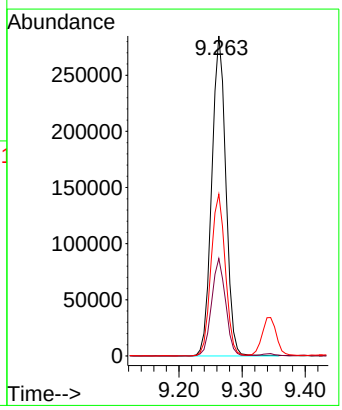


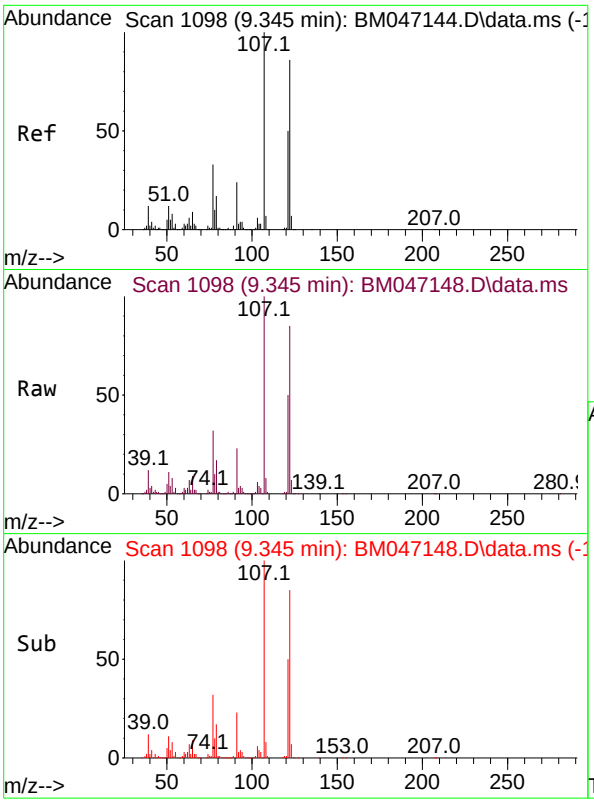


#26
2-Nitrophenol
Concen: 41.274 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:139 Resp: 440983

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.4	36.6
65	50.6	43.0	64.6



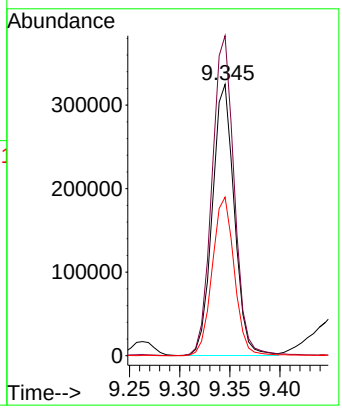


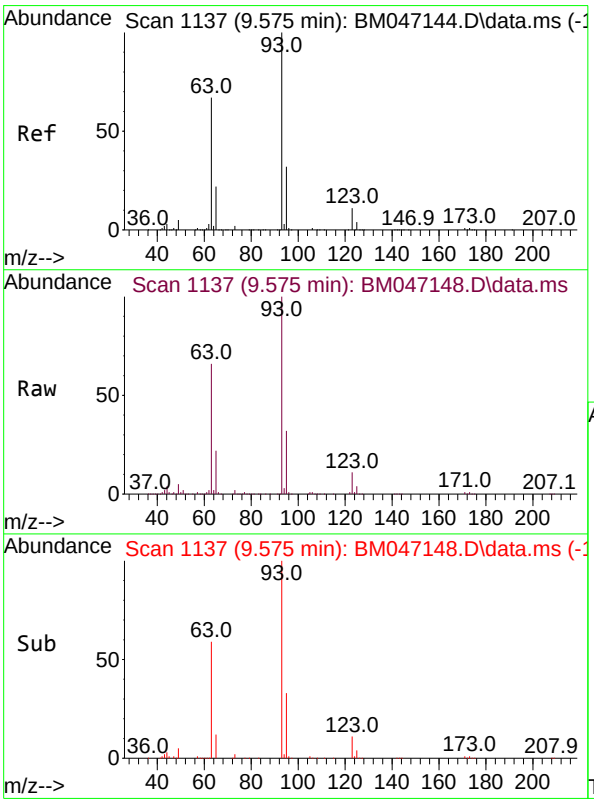
#27
2,4-Dimethylphenol
Concen: 39.547 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:122 Resp: 494953

Ion	Ratio	Lower	Upper
122	100		
107	117.9	92.8	139.2
121	58.4	46.1	69.1

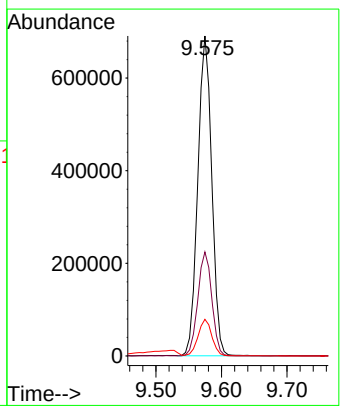


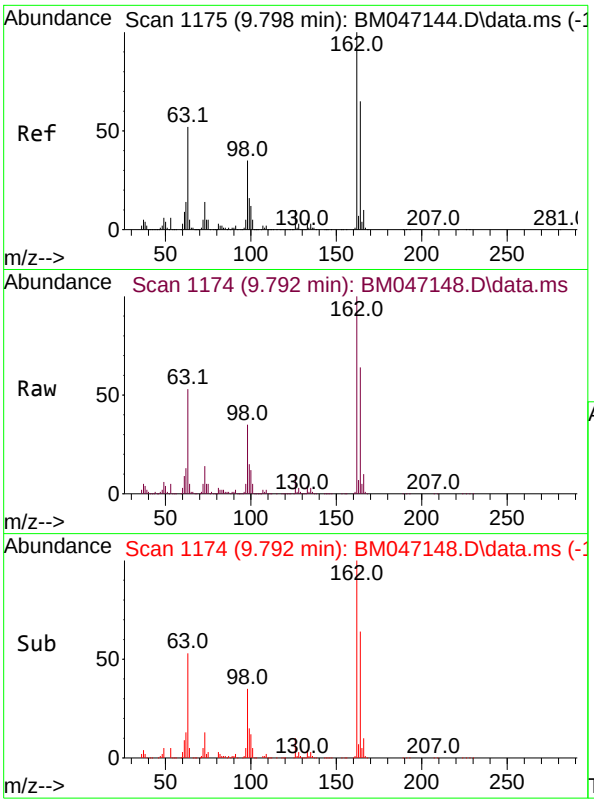


#28
bis(2-Chloroethoxy)methane
Concen: 39.022 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 93 Resp: 1024303

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.4	9.0	13.4



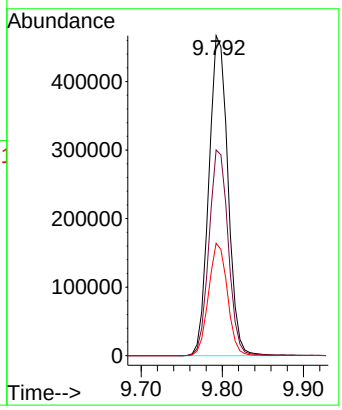


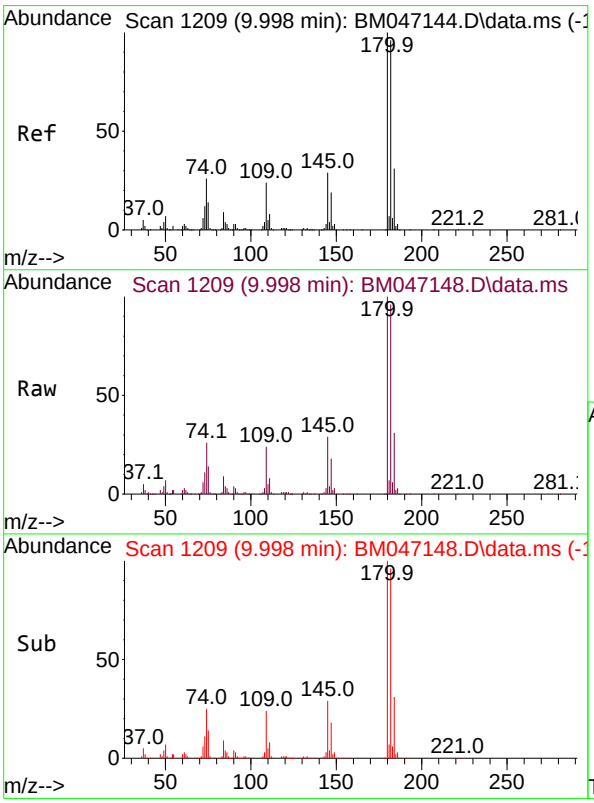
#29
2,4-Dichlorophenol
Concen: 40.983 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:162 Resp: 761049

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.7	84.7
98	35.1	14.9	54.9

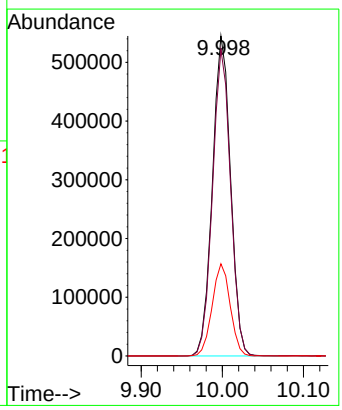


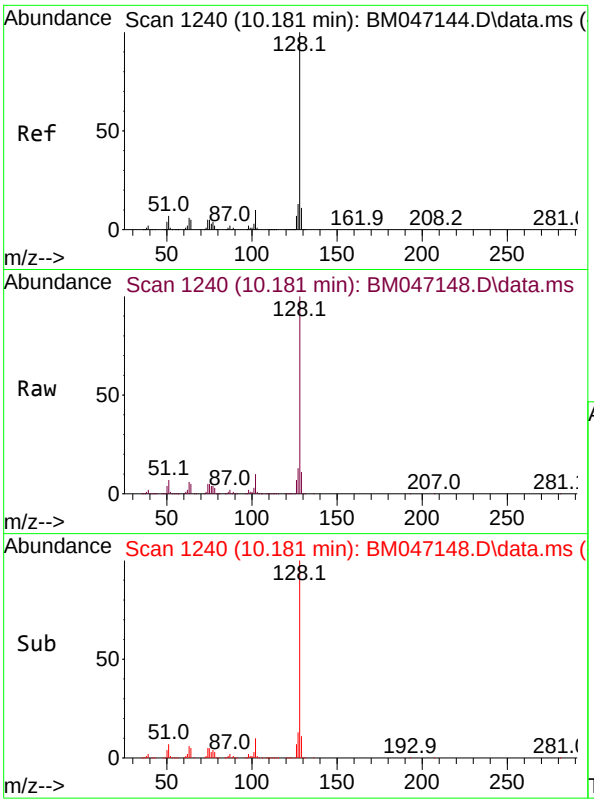


#30
1,2,4-Trichlorobenzene
Concen: 40.261 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:180 Resp: 846099

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	28.8	23.4	35.2



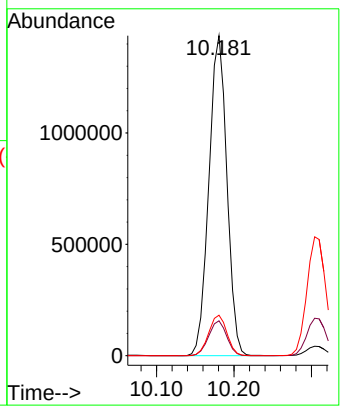


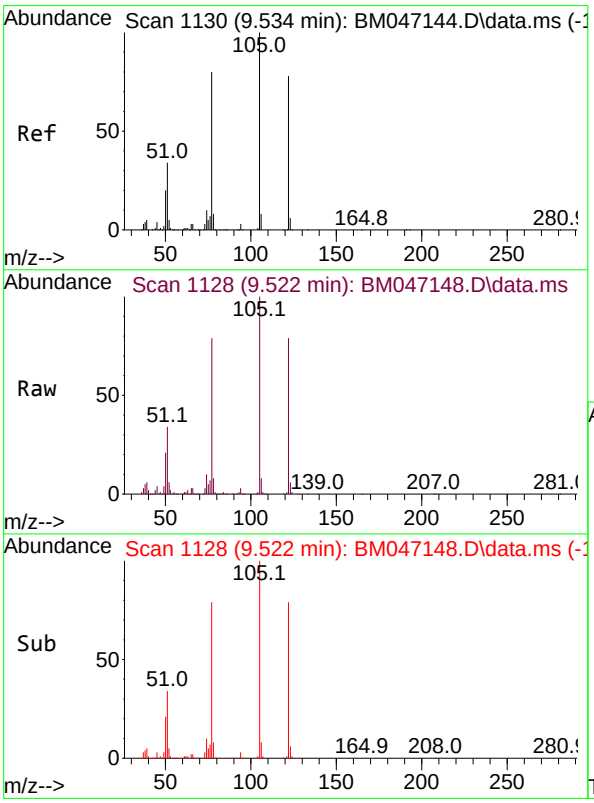
#31
Naphthalene
Concen: 38.564 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:128 Resp: 2317673

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.7	10.2	15.4

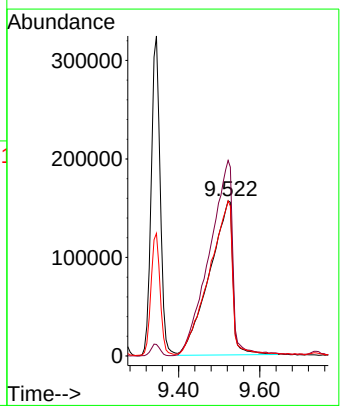


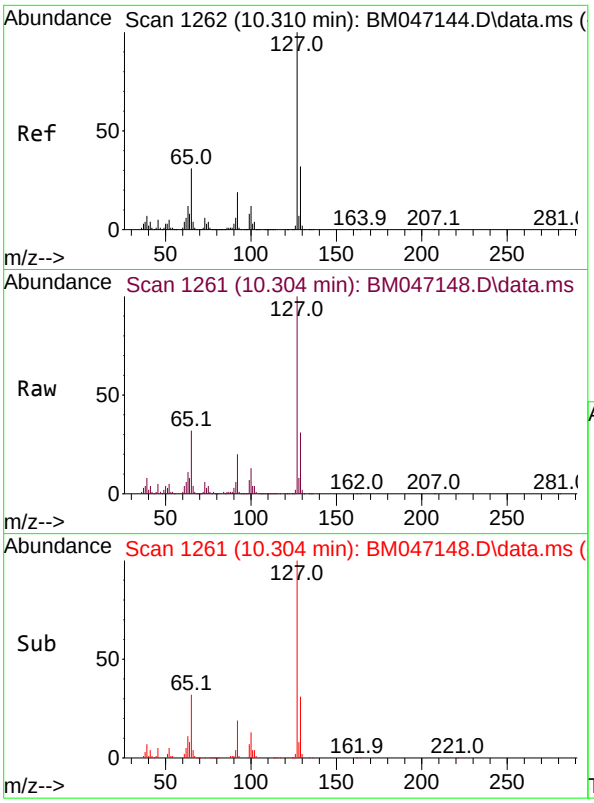


#32
Benzoic acid
Concen: 43.072 ng
RT: 9.522 min Scan# 1128
Delta R.T. -0.012 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:122 Resp: 626290

Ion	Ratio	Lower	Upper
122	100		
105	126.1	107.1	147.1
77	100.0	82.1	122.1



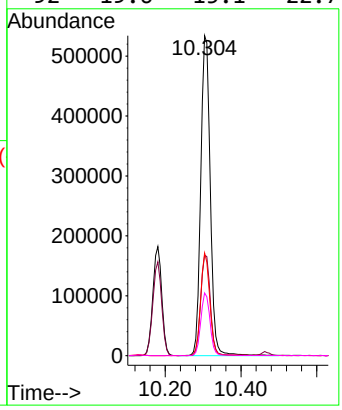


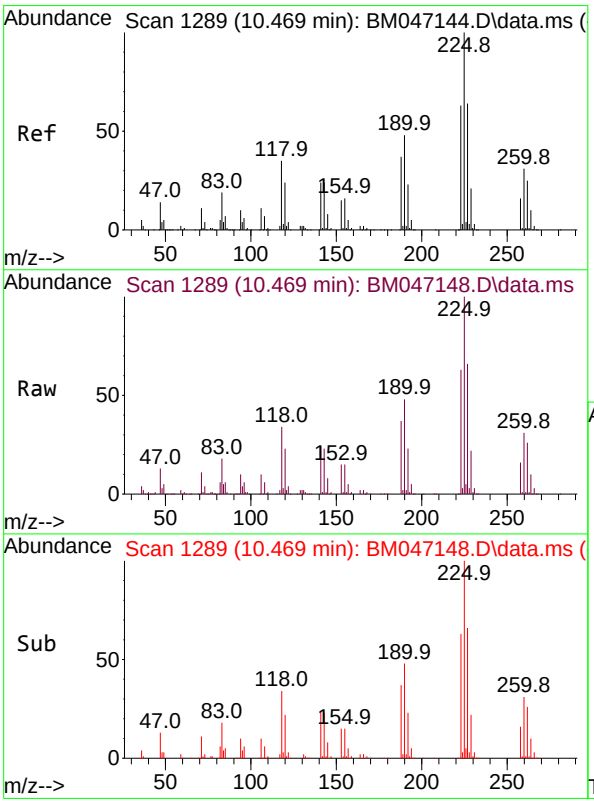
#33
4-Chloroaniline
Concen: 40.265 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:127 Resp: 930580

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.8
65	32.1	24.9	37.3
92	19.6	15.1	22.7

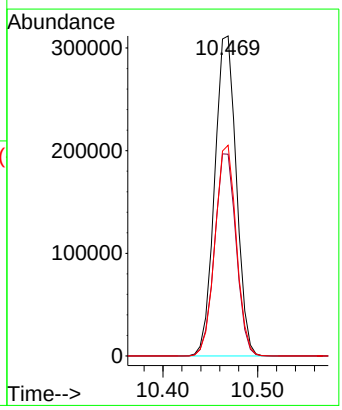


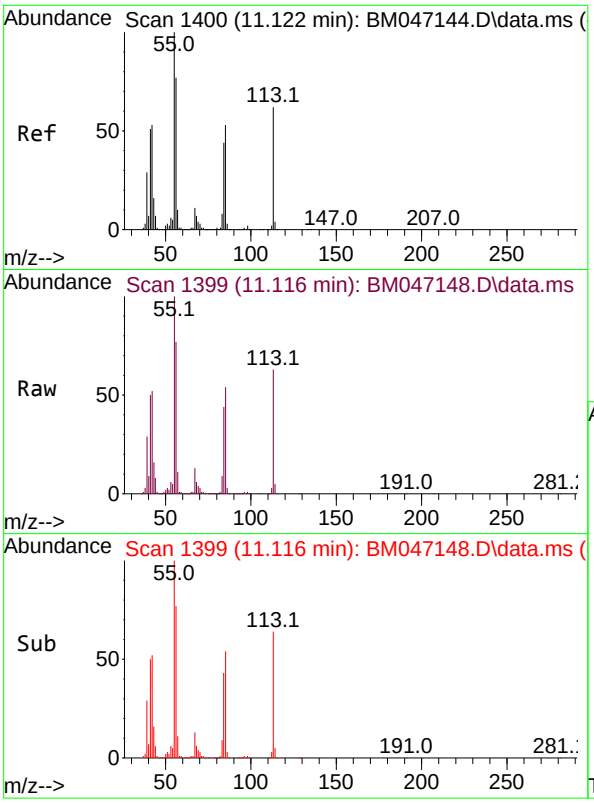


#34
Hexachlorobutadiene
Concen: 40.254 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:225 Resp: 495141

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2
227	65.9	51.4	77.0



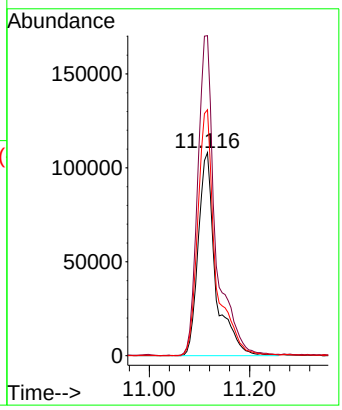


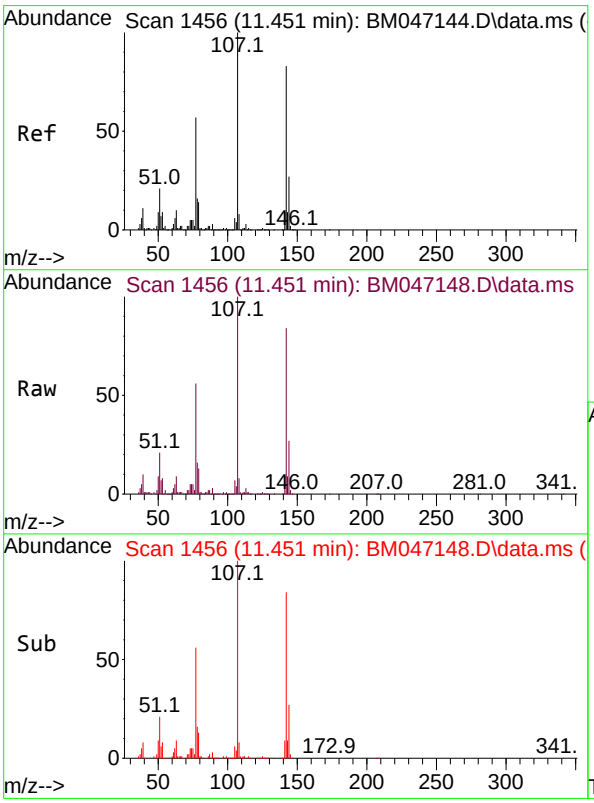
#35
Caprolactam
Concen: 40.543 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:113 Resp: 261463

Ion	Ratio	Lower	Upper
113	100		
55	157.5	140.5	180.5
56	121.0	103.6	143.6

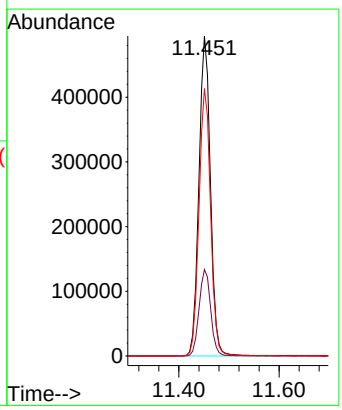


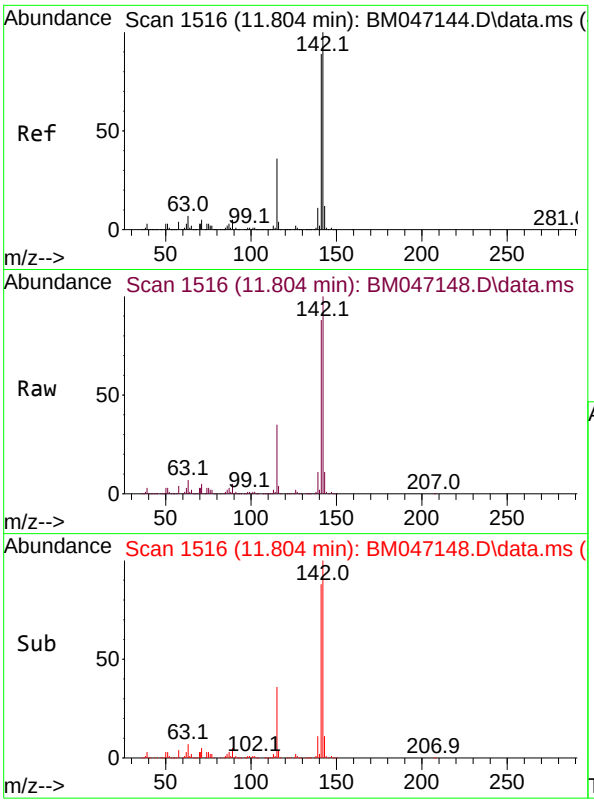


#36
4-Chloro-3-methylphenol
Concen: 39.811 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:107 Resp: 787338

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.8	32.6
142	83.5	66.8	100.2



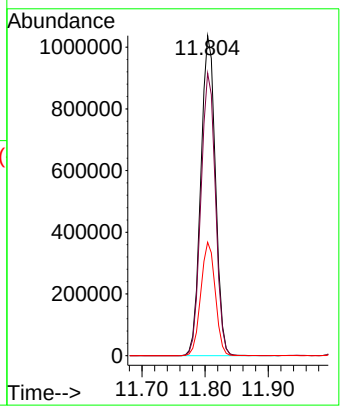


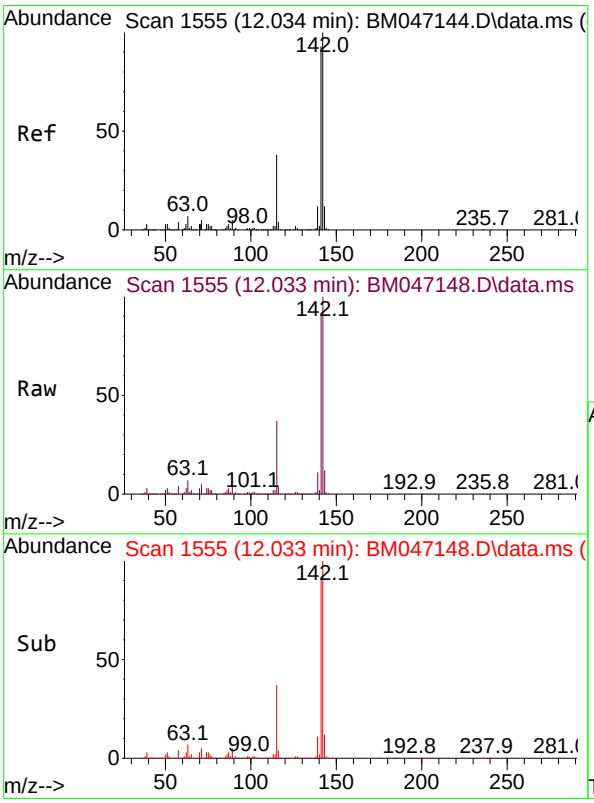
#37
2-Methylnaphthalene
Concen: 38.968 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:142 Resp: 1667488

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.9	106.3
115	35.5	28.7	43.1

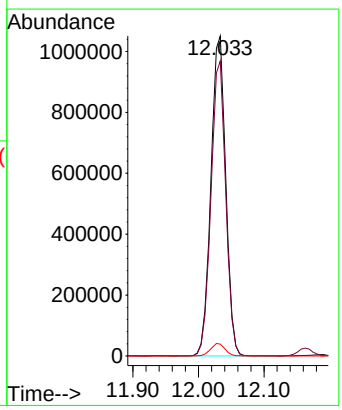


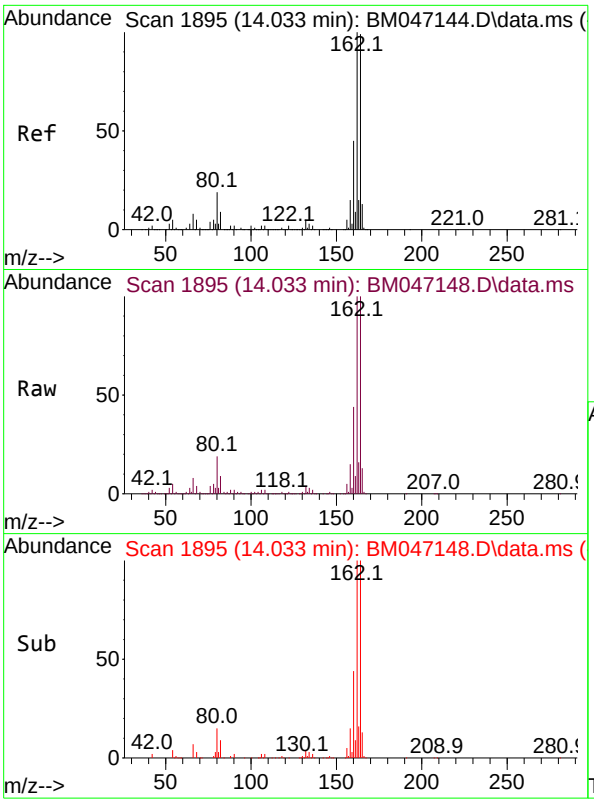


#38
1-Methylnaphthalene
Concen: 38.877 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:142 Resp: 1644135

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.6	111.8
116	3.7	3.1	4.7



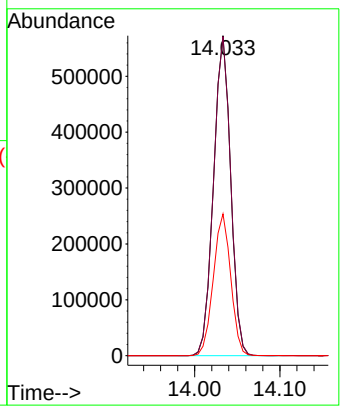


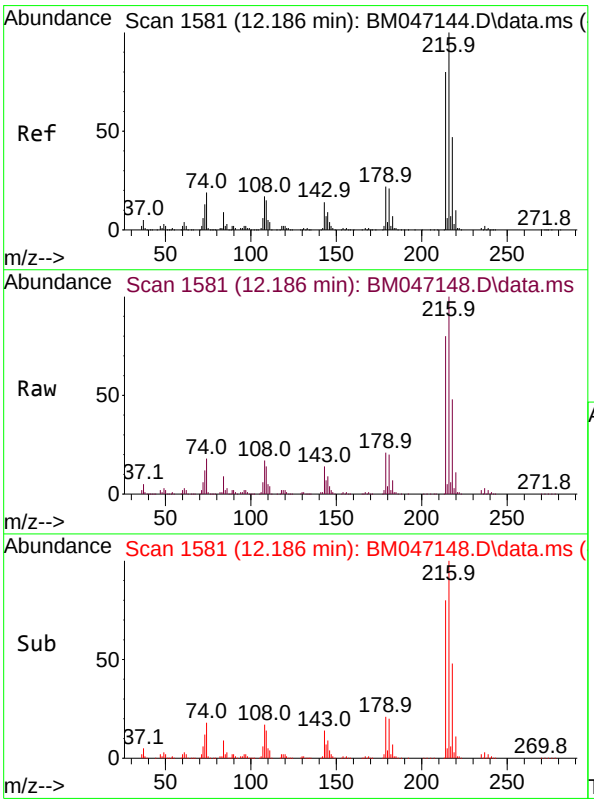
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:164 Resp: 800129

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.7	121.1
160	44.3	36.0	54.0

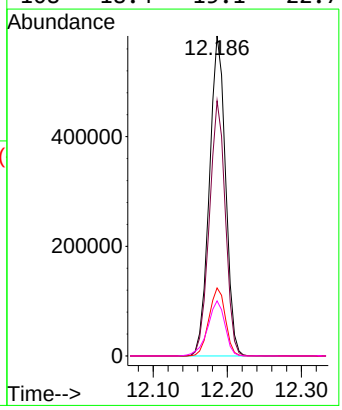


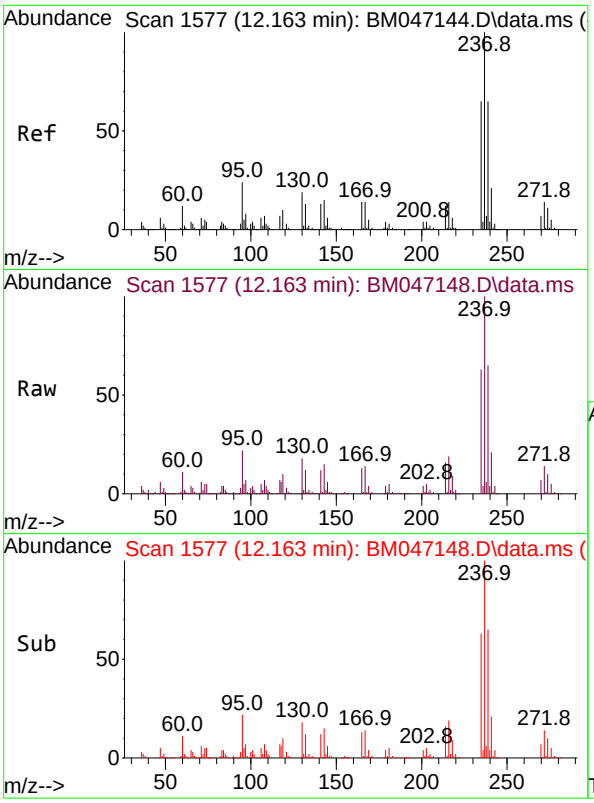


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.555 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:216 Resp: 885065

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	21.5	17.6	26.4
108	18.4	15.1	22.7



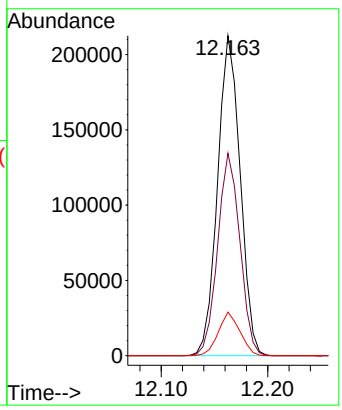


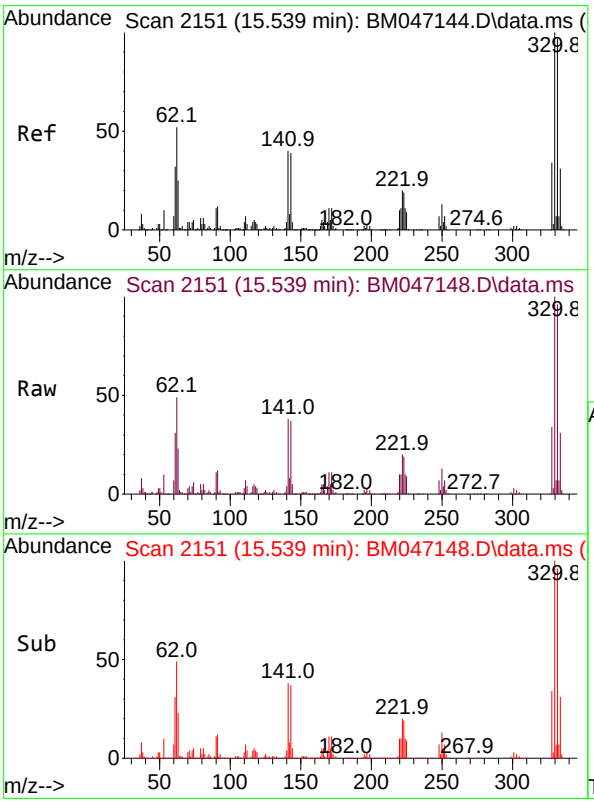
#41
Hexachlorocyclopentadiene
Concen: 41.042 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:237 Resp: 312767

Ion	Ratio	Lower	Upper
237	100		
235	63.3	44.8	84.8
272	13.6	0.0	33.5

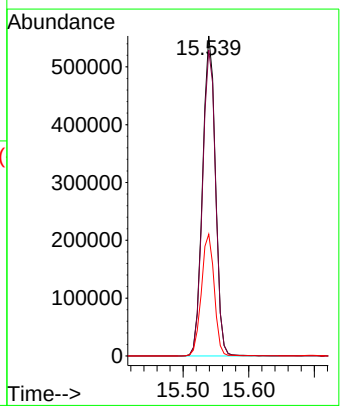


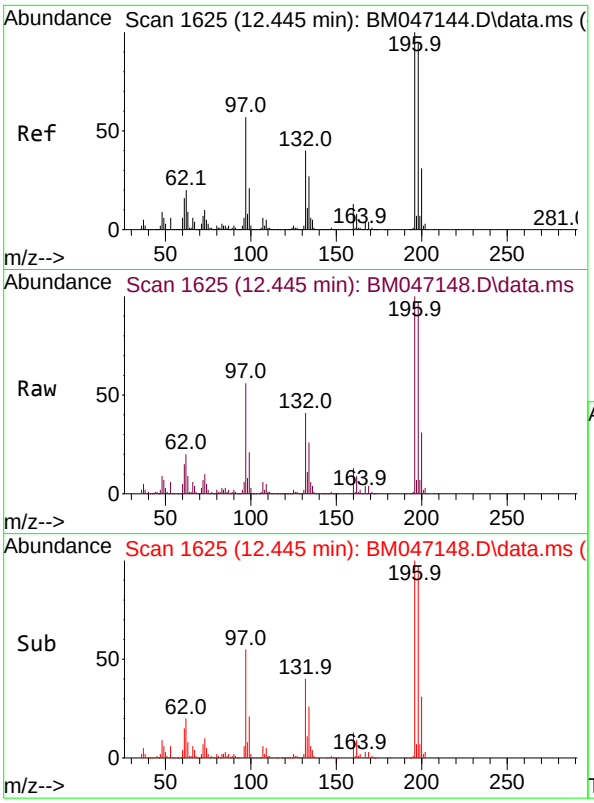


#42
2,4,6-Tribromophenol
Concen: 81.608 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:330 Resp: 757124

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	38.1	31.6	47.4



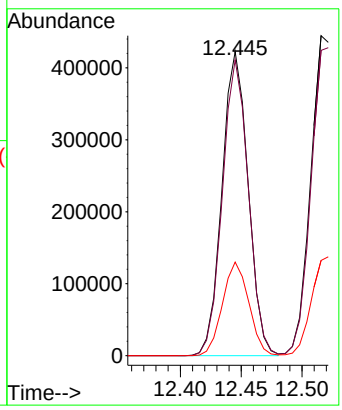


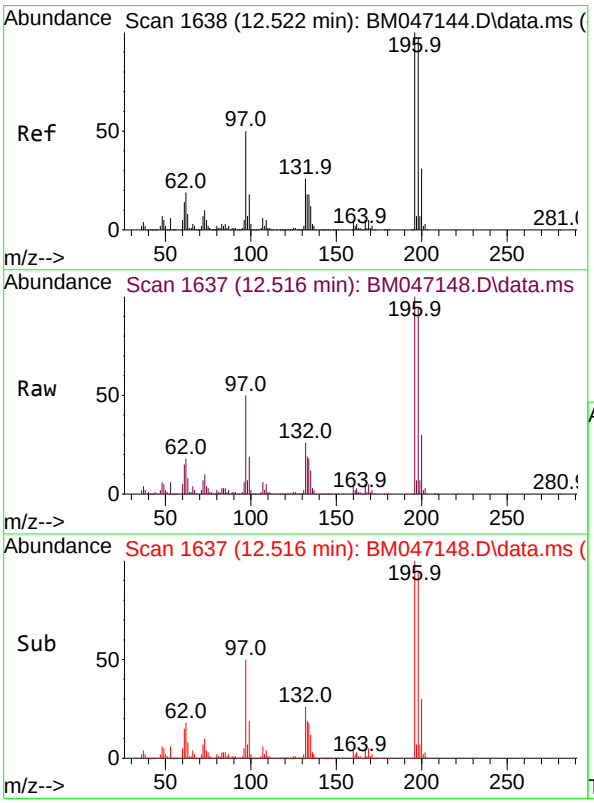
#43
2,4,6-Trichlorophenol
Concen: 40.777 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:196 Resp: 632529

Ion	Ratio	Lower	Upper
196	100		
198	97.3	75.6	113.4
200	30.8	24.6	37.0

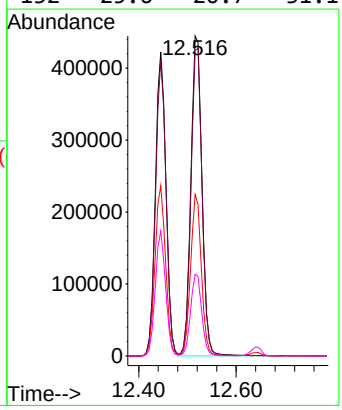


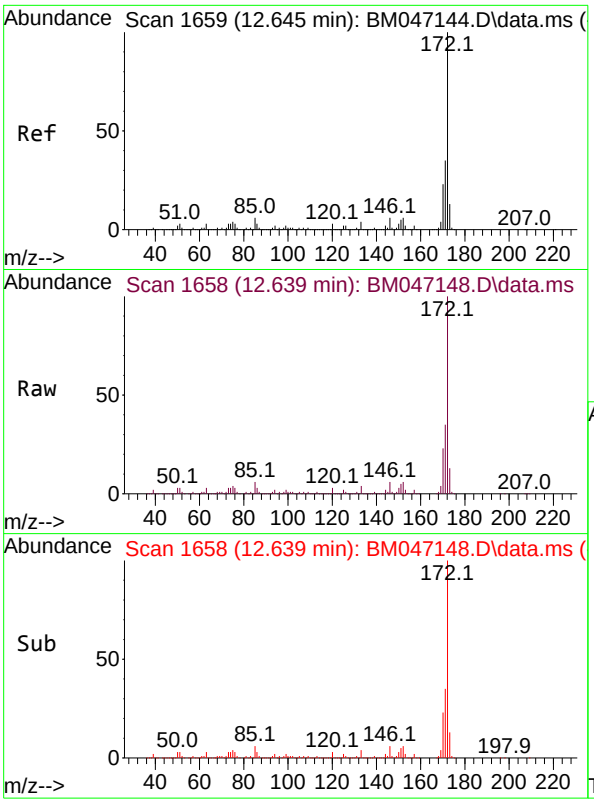


#44
2,4,5-Trichlorophenol
Concen: 41.066 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:196 Resp: 707267

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.7	116.5
97	50.5	39.8	59.8
132	25.6	20.7	31.1



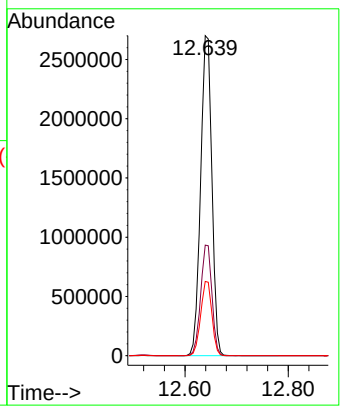


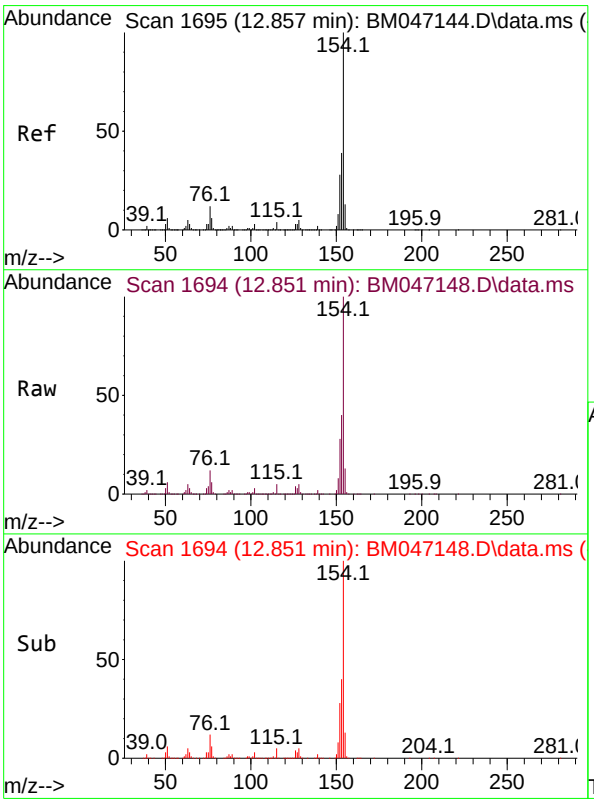
#45
2-Fluorobiphenyl
Concen: 78.722 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:172 Resp: 4083420

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.2	18.7	28.1

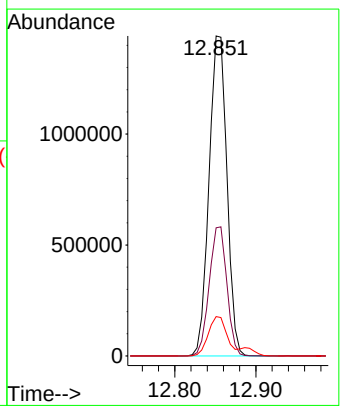


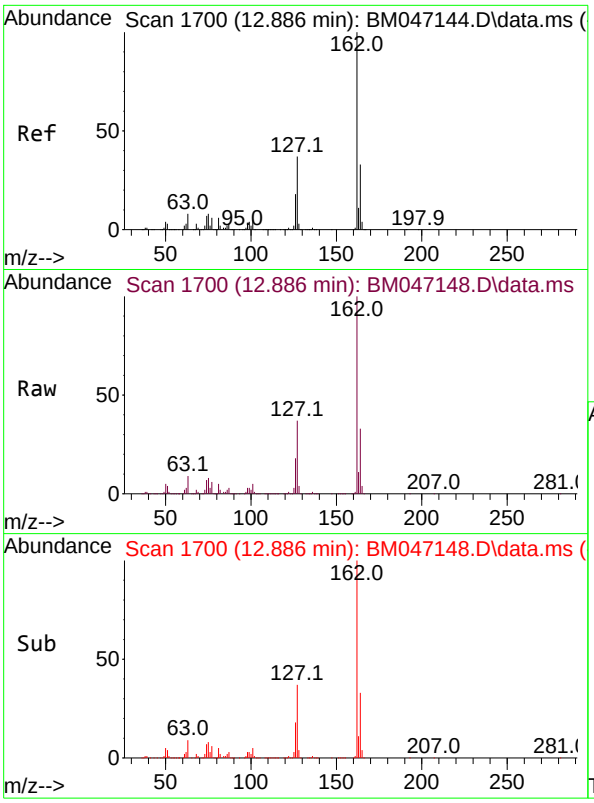


#46
1,1'-Biphenyl
Concen: 38.622 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:154 Resp: 2199985

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.0	59.0
76	12.3	0.0	31.9



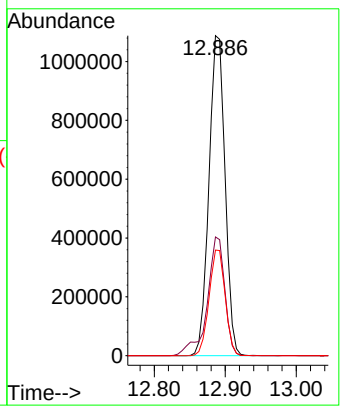


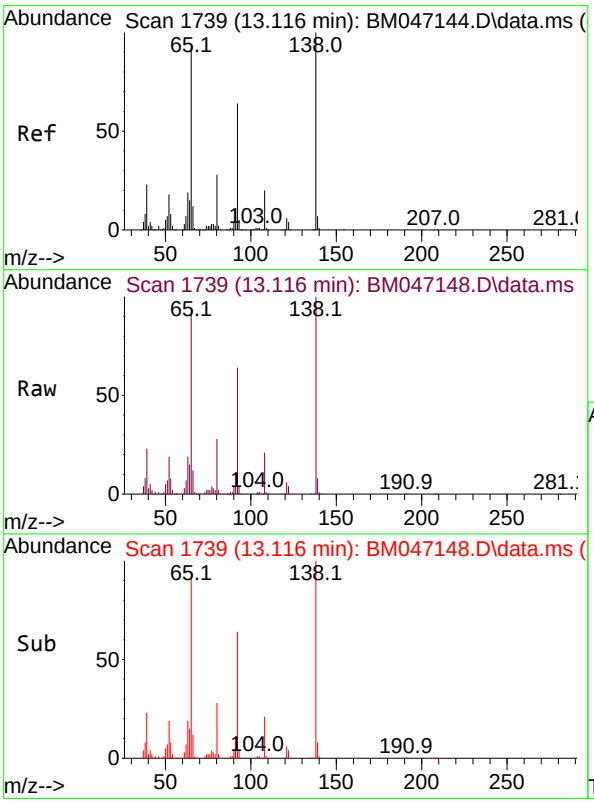
#47
2-Chloronaphthalene
Concen: 38.460 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:162 Resp: 1712308

Ion	Ratio	Lower	Upper
162	100		
127	37.1	30.0	45.0
164	33.0	26.3	39.5

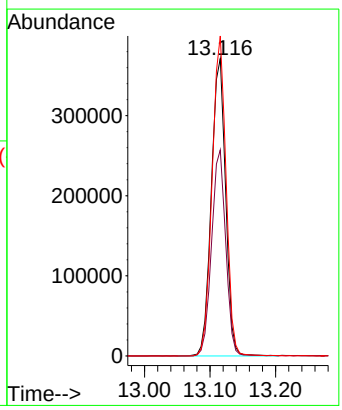


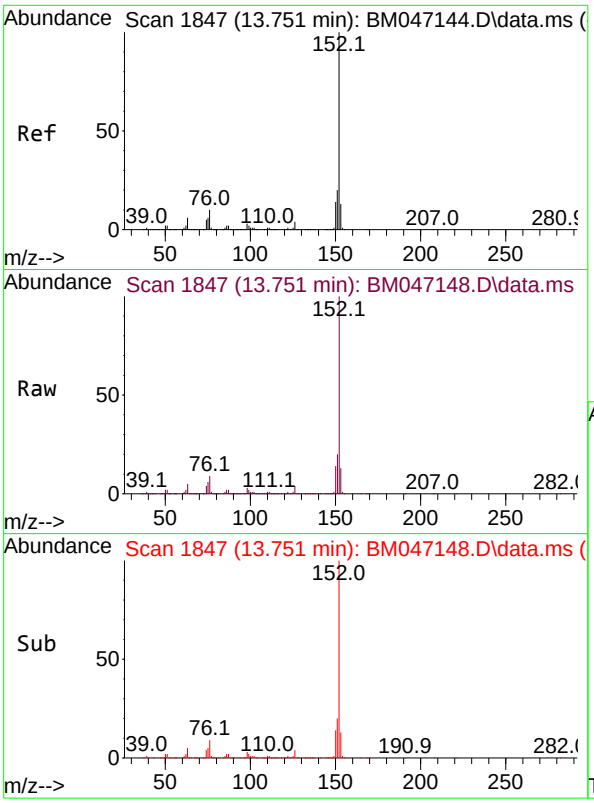


#48
2-Nitroaniline
Concen: 40.230 ng
RT: 13.116 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 65 Resp: 561121

Ion	Ratio	Lower	Upper
65	100		
92	69.3	55.1	82.7
138	107.6	85.9	128.9



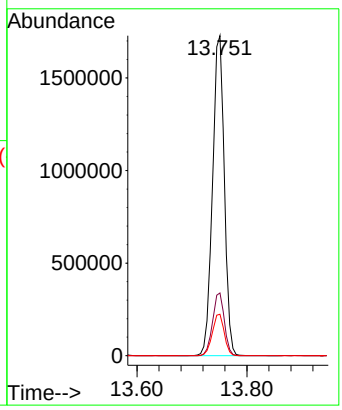


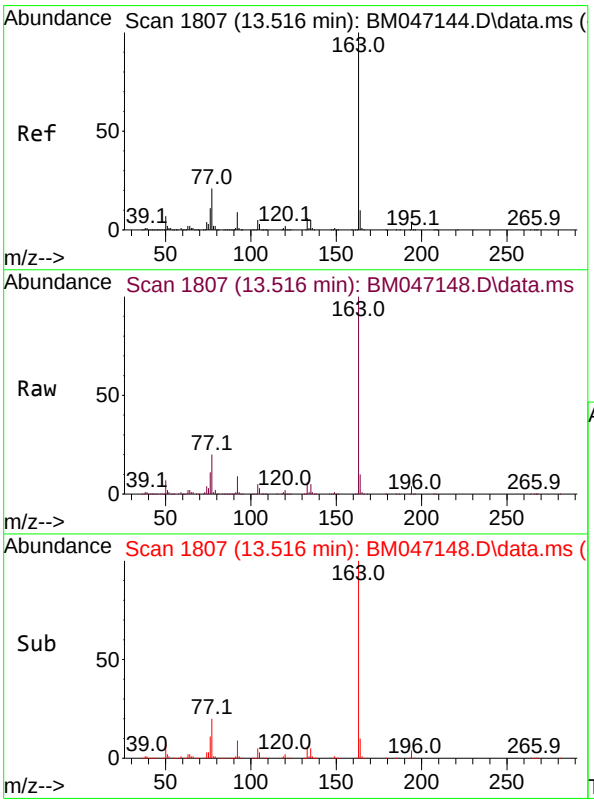
#49
Acenaphthylene
Concen: 39.270 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:152 Resp: 2577143

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.9	10.4	15.6

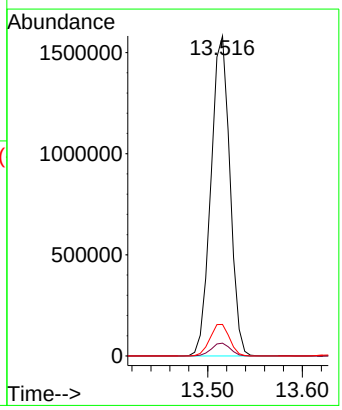


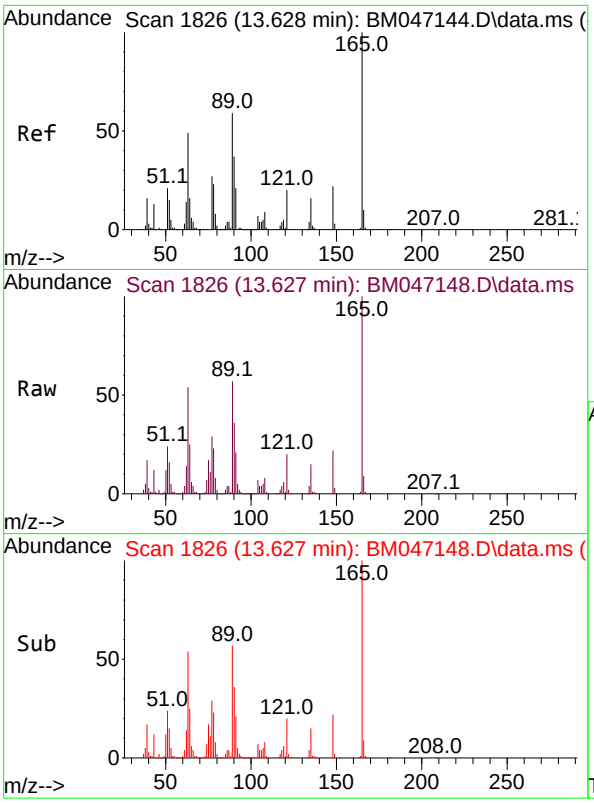


#50
Dimethylphthalate
Concen: 39.364 ng
RT: 13.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:163 Resp: 2199717

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.8	8.0	12.0



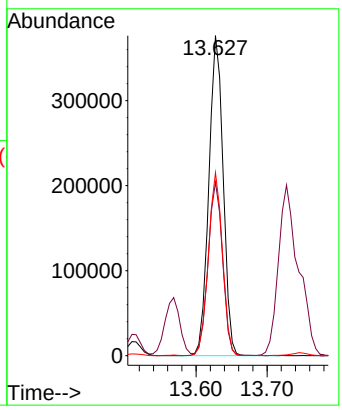


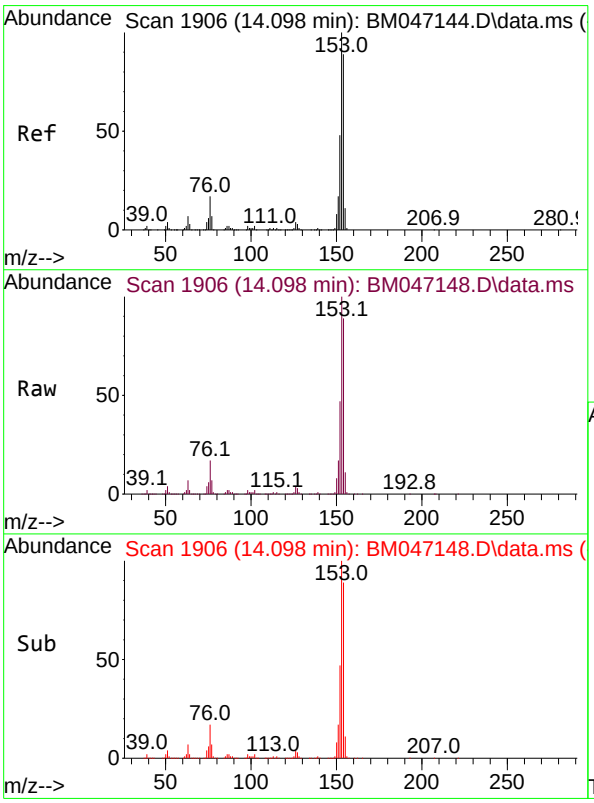
#51
2,6-Dinitrotoluene
Concen: 40.338 ng
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:165 Resp: 526940

Ion	Ratio	Lower	Upper
165	100		
63	54.3	46.5	69.7
89	57.2	47.3	70.9

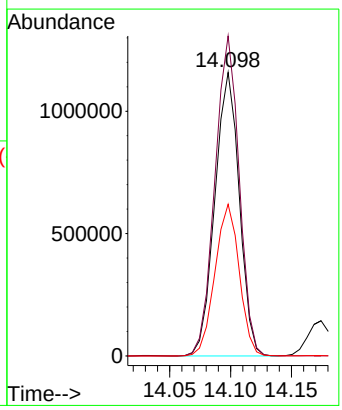


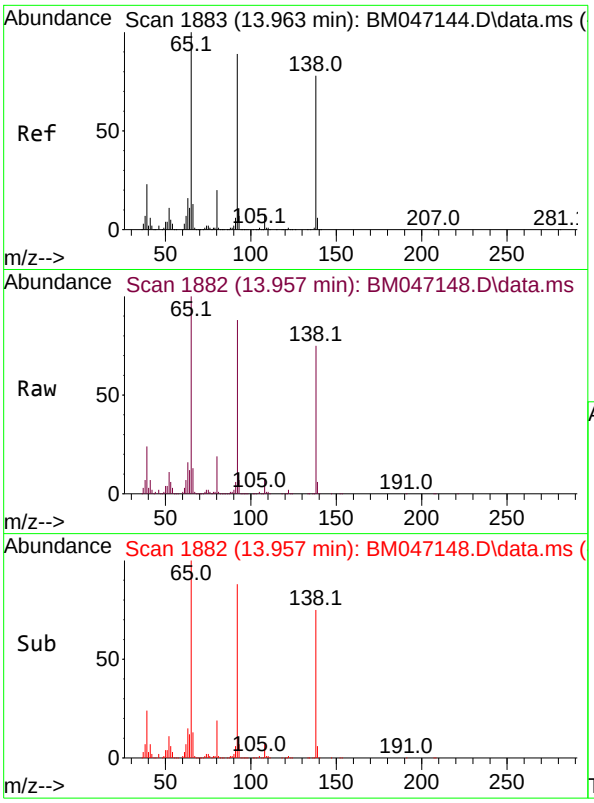


#52
Acenaphthene
Concen: 38.828 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:154 Resp: 1616361

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.3	135.5
152	53.5	42.9	64.3



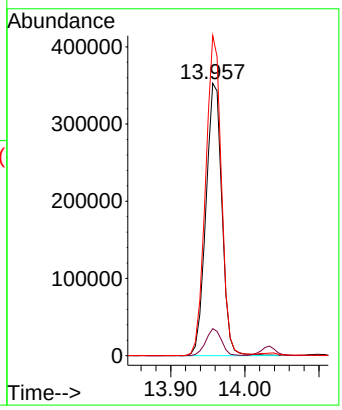


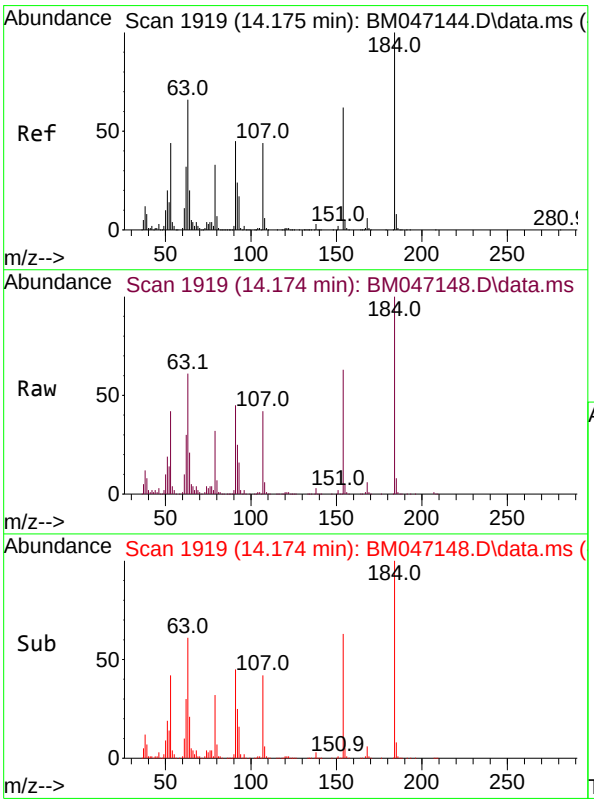
#53
3-Nitroaniline
Concen: 40.443 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:138 Resp: 529385

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	117.5	92.0	138.0

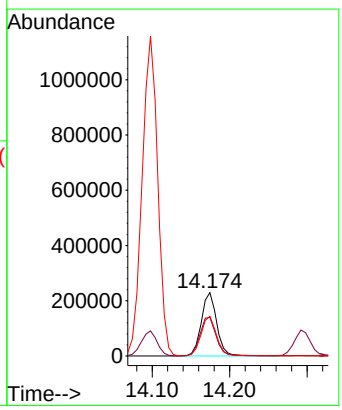


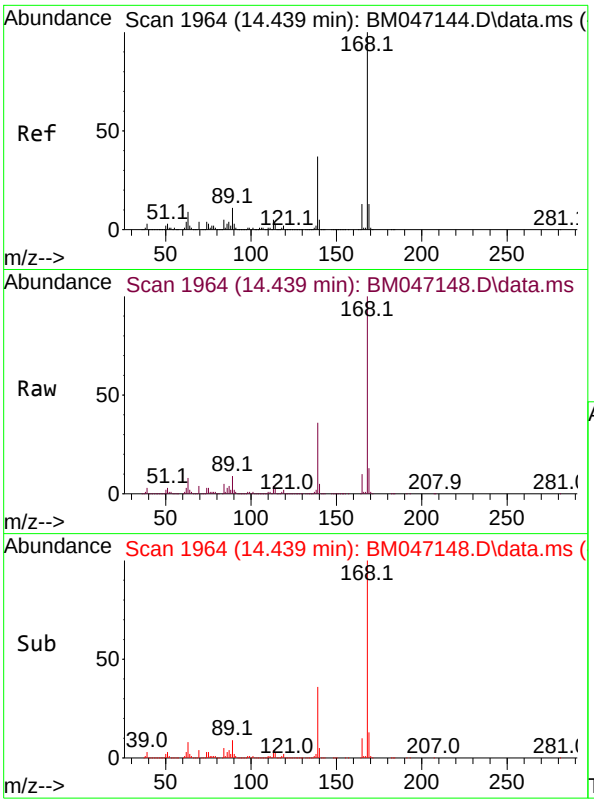


#54
2,4-Dinitrophenol
Concen: 40.314 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:184 Resp: 315633

Ion	Ratio	Lower	Upper
184	100		
63	60.8	52.7	79.1
154	62.7	50.4	75.6



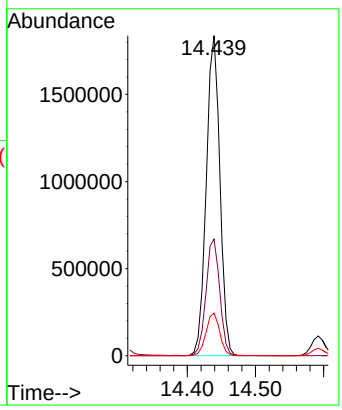


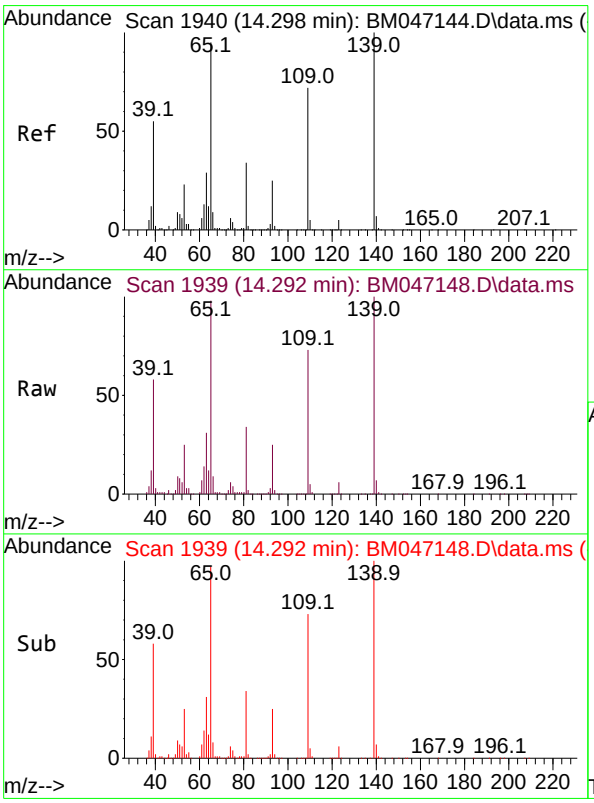
#55
Dibenzofuran
Concen: 38.784 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:168 Resp: 2550249

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.6	44.4
169	13.3	10.7	16.1

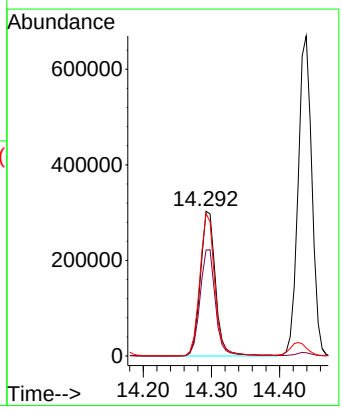


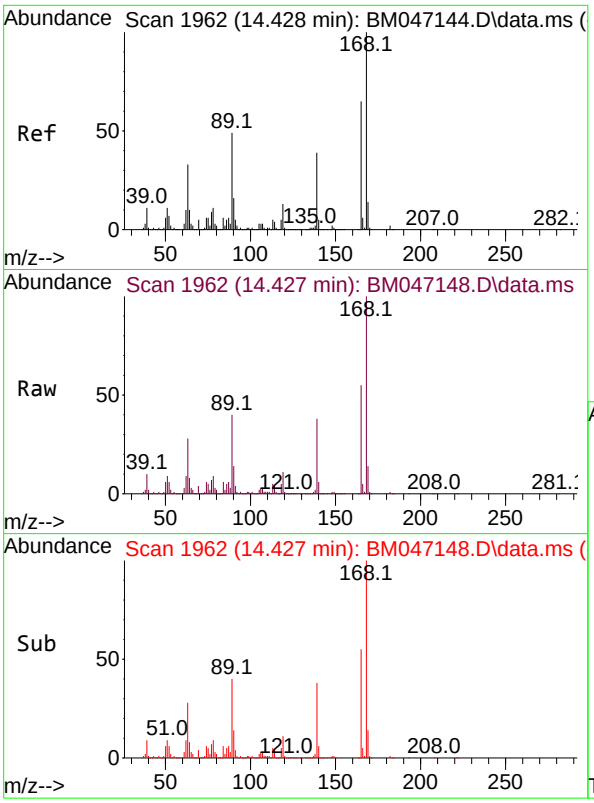


#56
4-Nitrophenol
Concen: 41.349 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:139 Resp: 466721

Ion	Ratio	Lower	Upper
139	100		
109	73.3	52.5	92.5
65	98.5	75.4	115.4



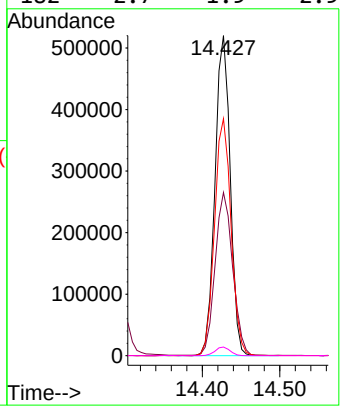


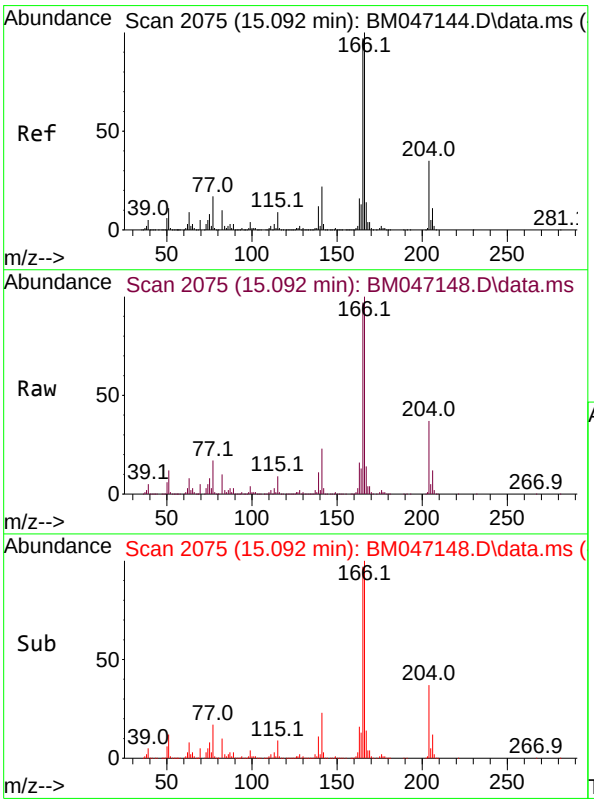
#57
2,4-Dinitrotoluene
Concen: 40.635 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:165 Resp: 708519

Ion	Ratio	Lower	Upper
165	100		
63	51.0	40.3	60.5
89	74.1	61.0	91.6
182	2.7	1.9	2.9

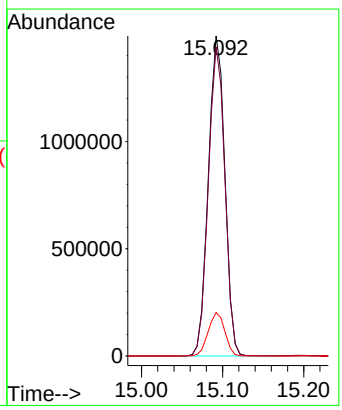


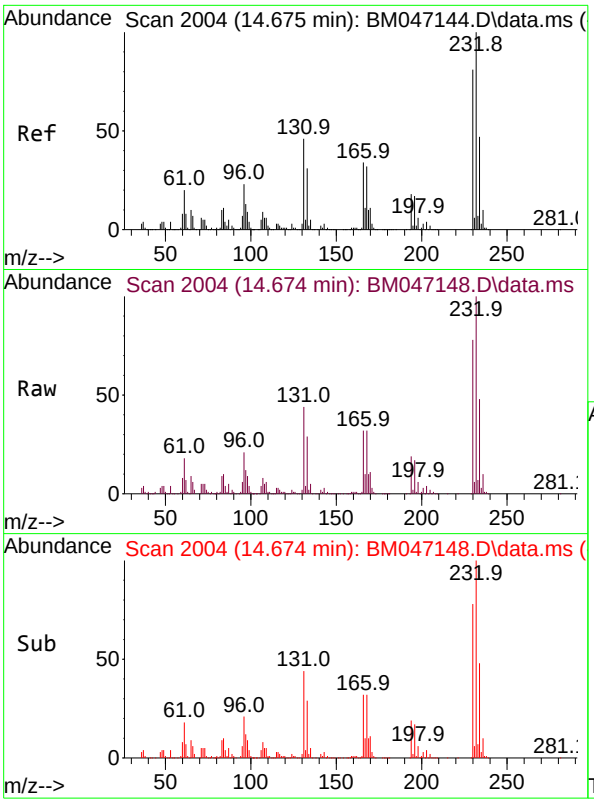


#58
Fluorene
Concen: 38.859 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:166 Resp: 2108277

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.4	116.0
167	13.6	11.0	16.6



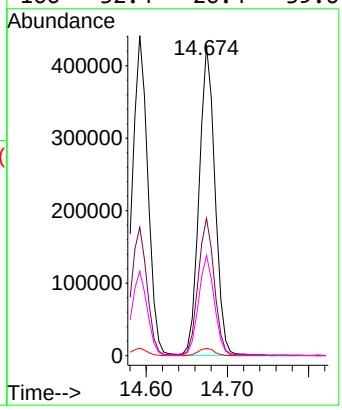


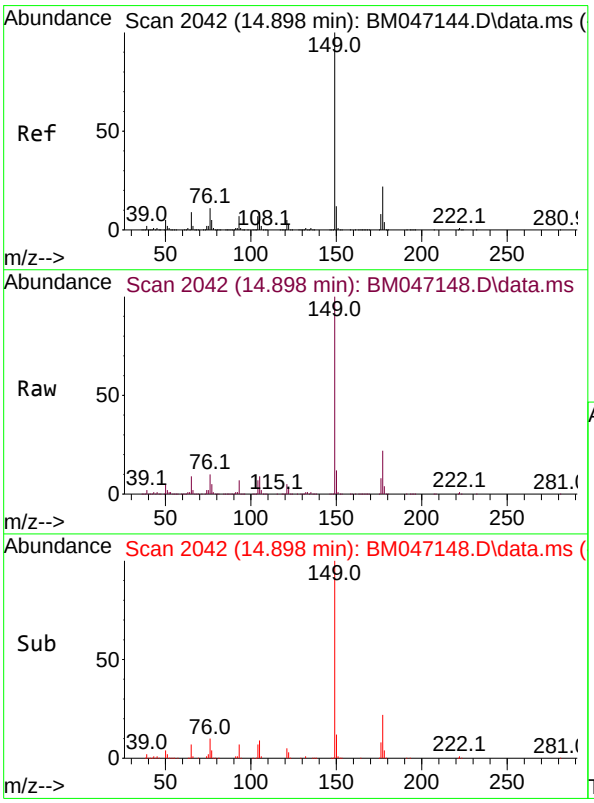
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.787 ng
RT: 14.674 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:232 Resp: 577329

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.9	55.3
130	2.4	2.0	3.0
166	32.4	26.4	39.6

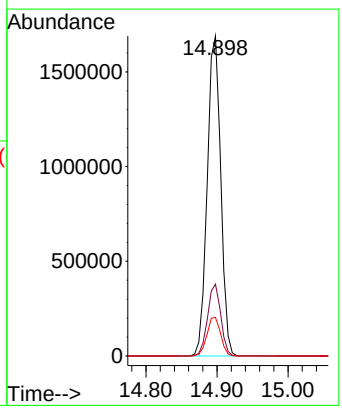


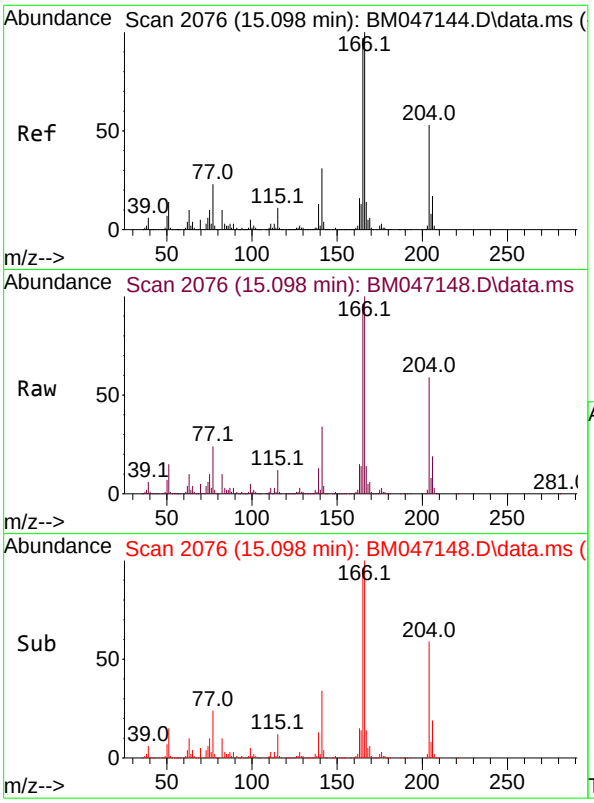


#60
Diethylphthalate
Concen: 39.122 ng
RT: 14.898 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 2232502

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	12.1	9.8	14.6



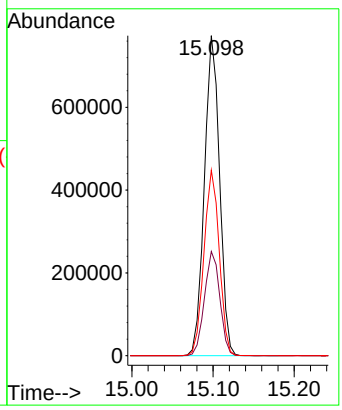


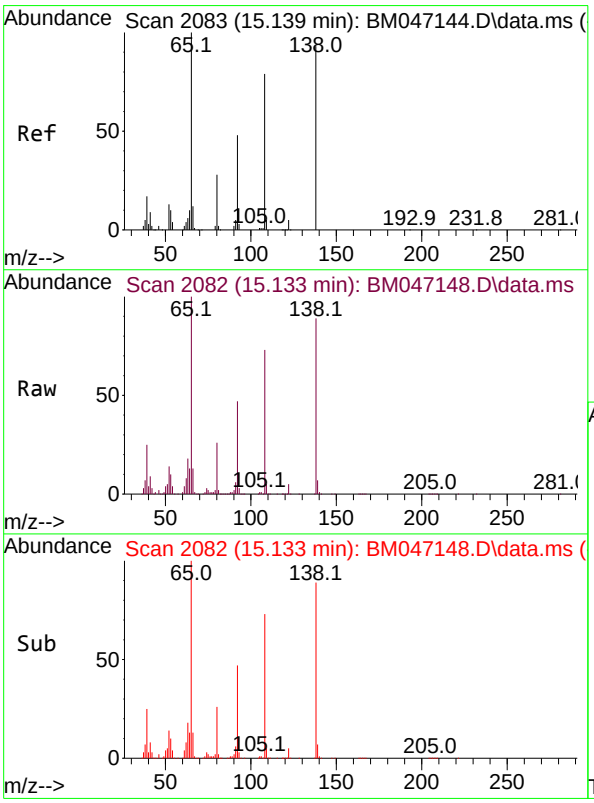
#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:204 Resp: 1001595

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.4
141	57.9	47.2	70.8

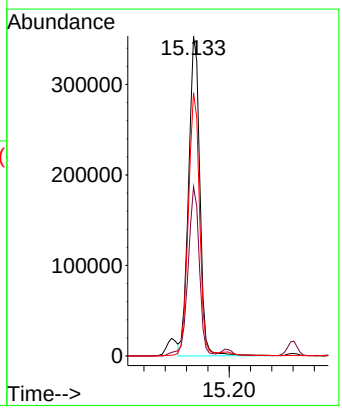


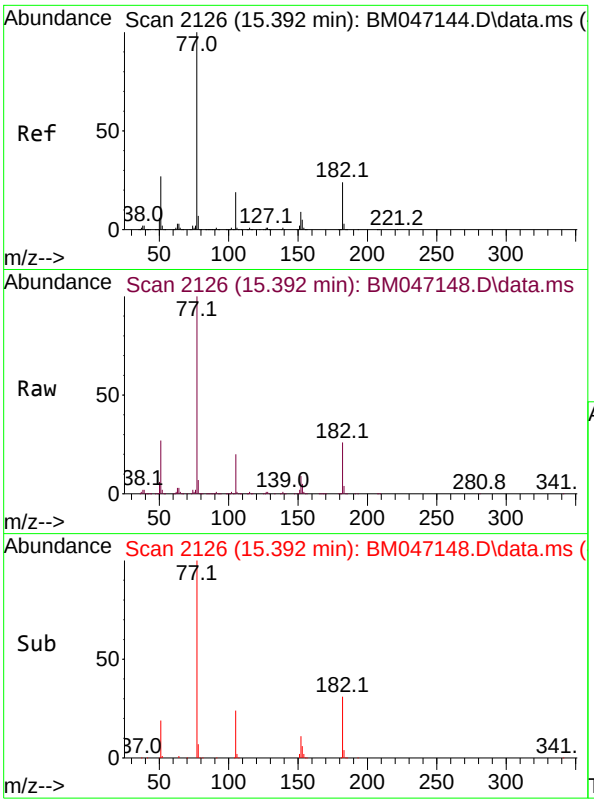


#62
4-Nitroaniline
Concen: 40.127 ng
RT: 15.133 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:138 Resp: 517467

Ion	Ratio	Lower	Upper
138	100		
92	52.9	31.9	71.9
108	82.2	63.8	103.8



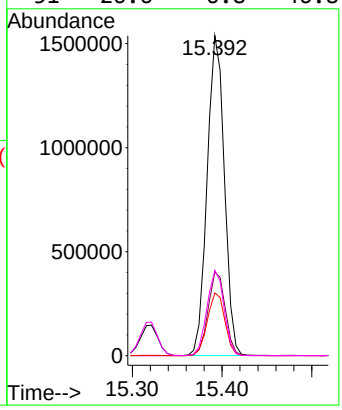


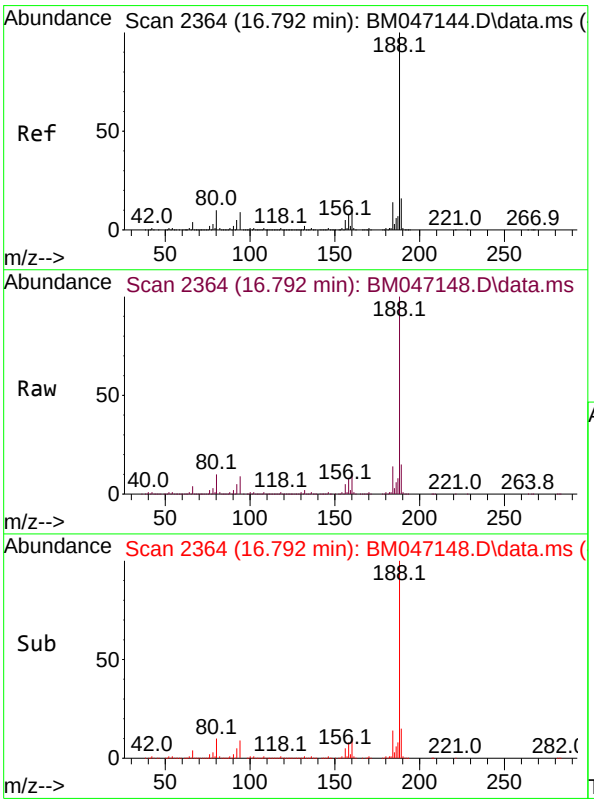
#63
Azobenzene
Concen: 37.854 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 77 Resp: 2048152

Ion	Ratio	Lower	Upper
77	100		
182	26.1	3.8	43.8
105	19.6	0.0	39.5
51	26.6	6.8	46.8

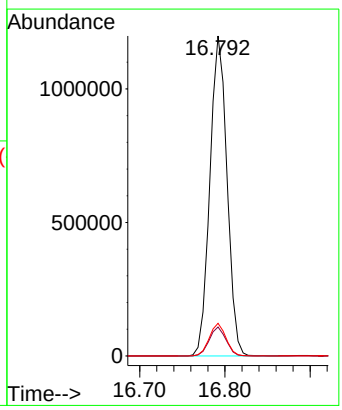


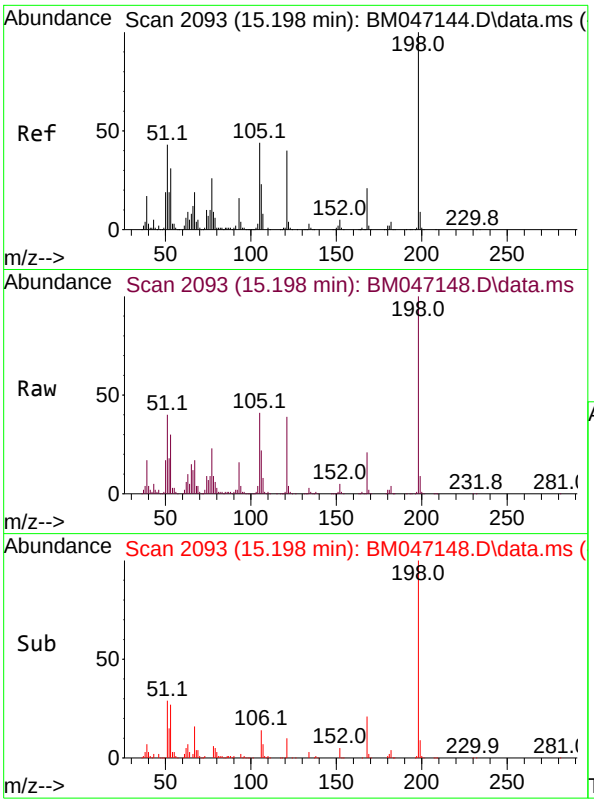


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:188 Resp: 1673175

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.0	10.6
80	10.2	8.0	12.0



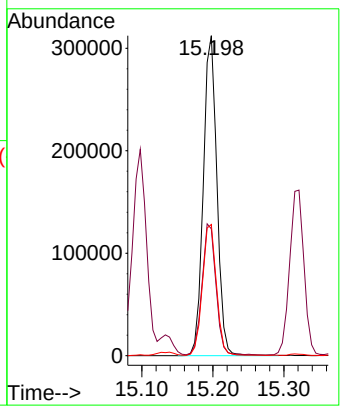


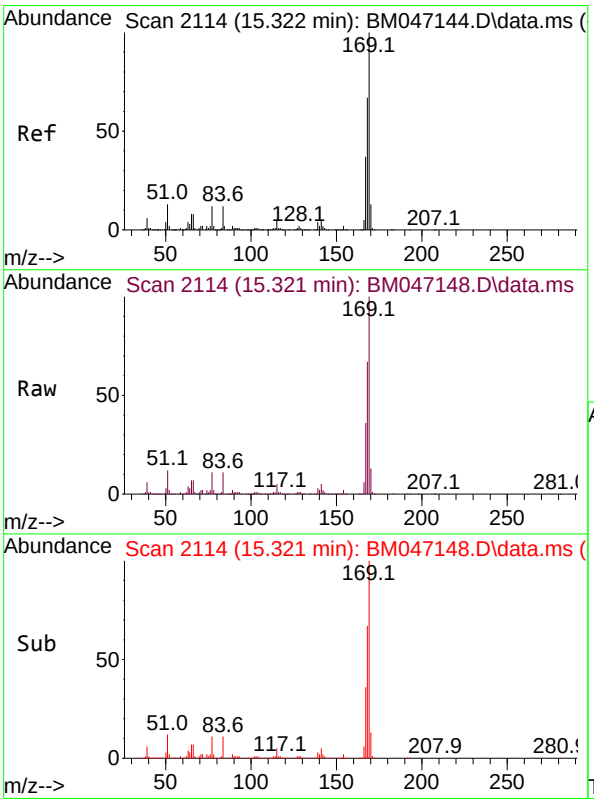
#65
4,6-Dinitro-2-methylphenol
Concen: 42.500 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:198 Resp: 416340

Ion	Ratio	Lower	Upper
198	100		
51	39.7	23.9	63.9
105	41.0	24.3	64.3

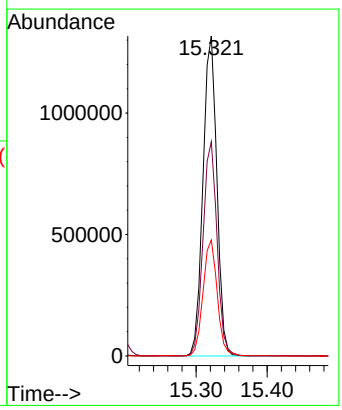


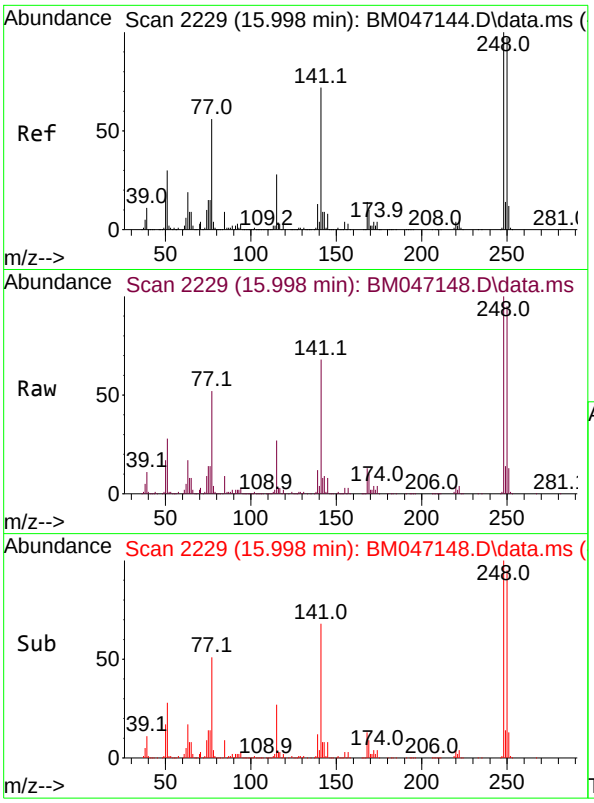


#66
n-Nitrosodiphenylamine
Concen: 39.293 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:169 Resp: 1790716

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.8	80.8
167	36.3	29.3	43.9



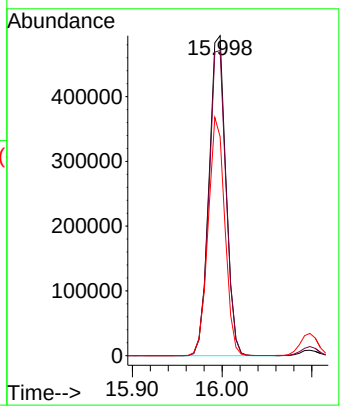


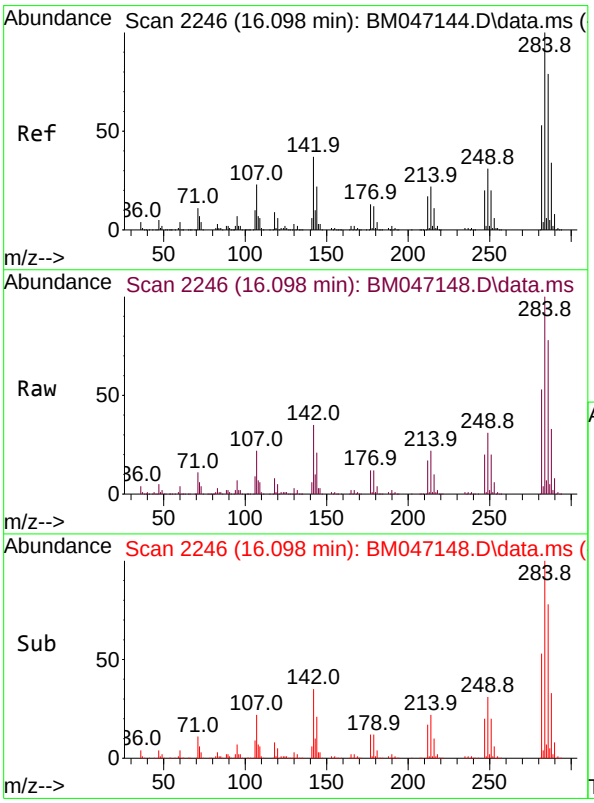
#67
4-Bromophenyl-phenylether
Concen: 40.155 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:248 Resp: 647415

Ion	Ratio	Lower	Upper
248	100		
250	95.4	77.8	116.8
141	68.4	57.7	86.5

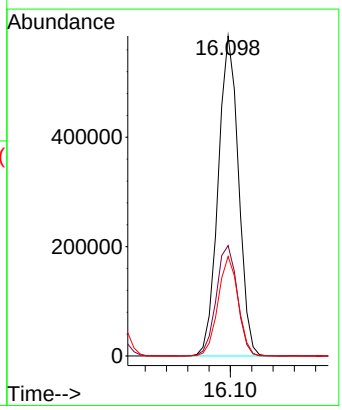


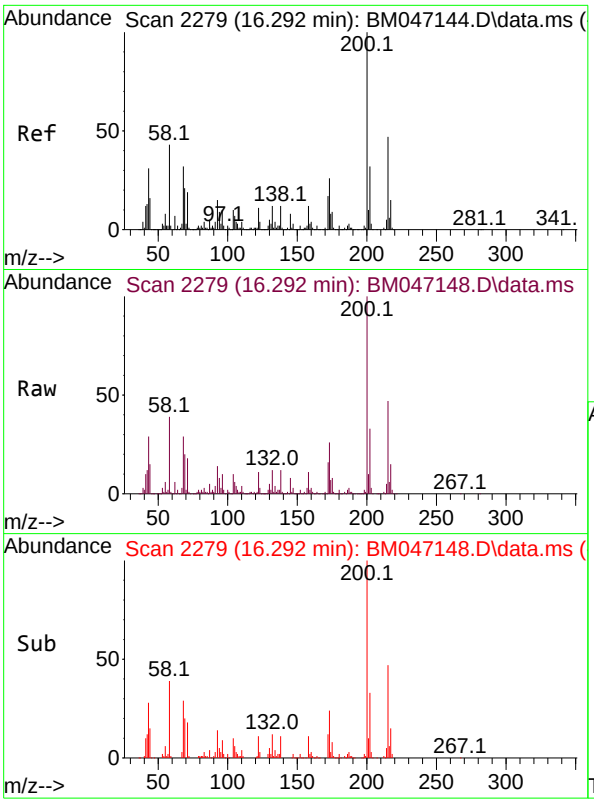


#68
Hexachlorobenzene
Concen: 40.130 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:284 Resp: 774906

Ion	Ratio	Lower	Upper
284	100		
142	34.5	29.4	44.0
249	31.1	25.1	37.7



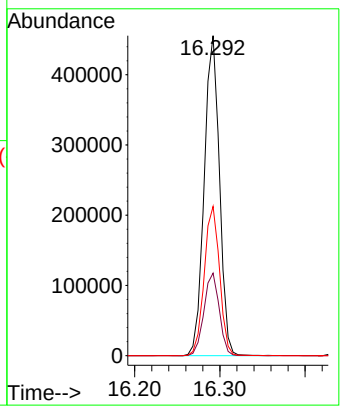


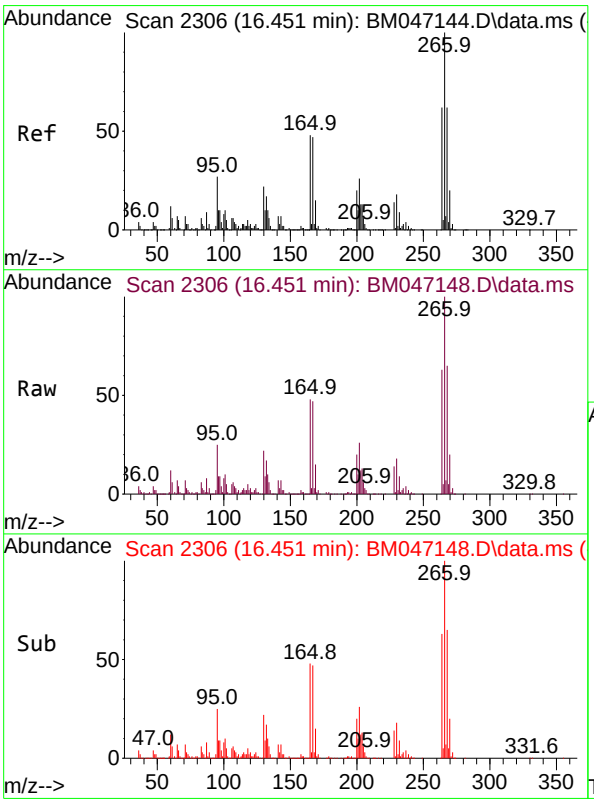
#69
Atrazine
Concen: 41.312 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:200 Resp: 566536

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.1	46.1
215	46.7	26.8	66.8

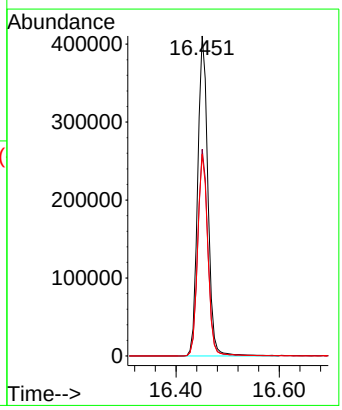


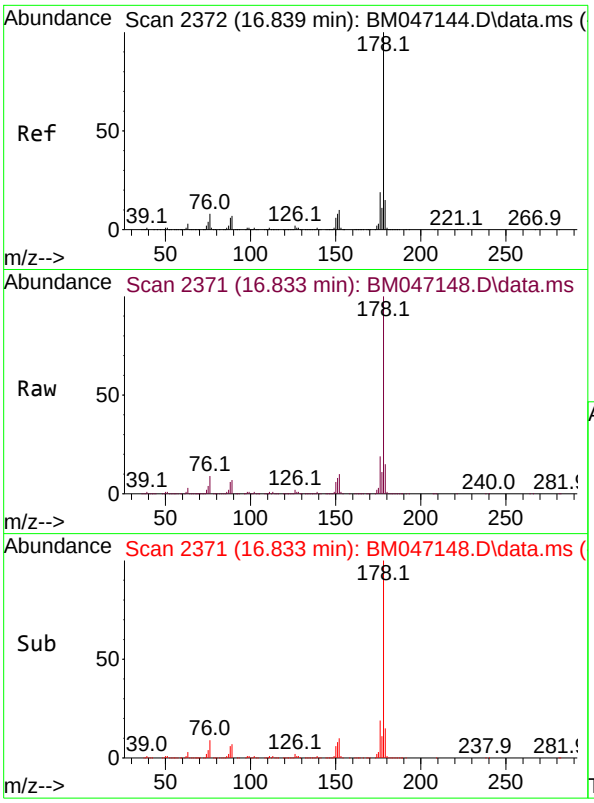


#70
Pentachlorophenol
Concen: 41.470 ng
RT: 16.451 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:266 Resp: 561329

Ion	Ratio	Lower	Upper
266	100		
268	64.6	49.8	74.6
264	63.0	49.6	74.4



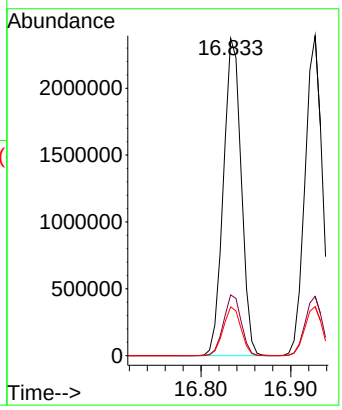


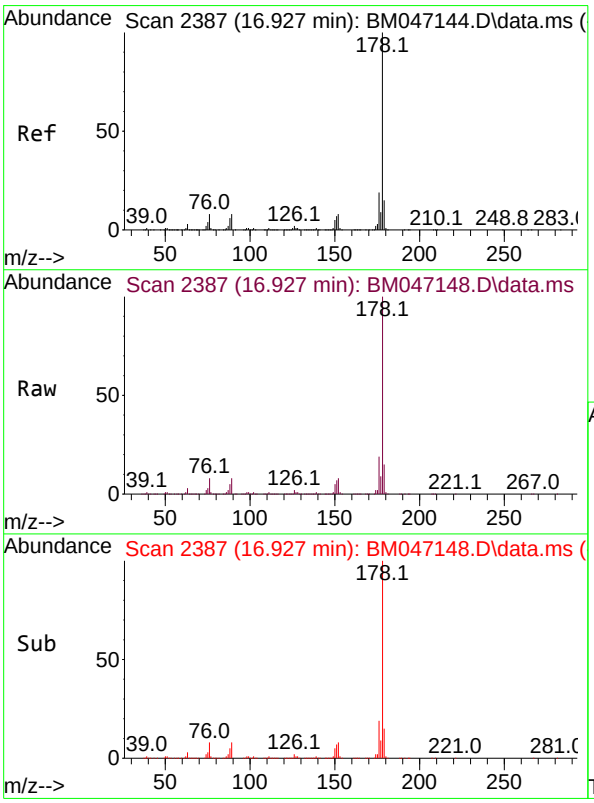
#71
Phenanthrene
Concen: 38.967 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:178 Resp: 3272056

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.4	18.6

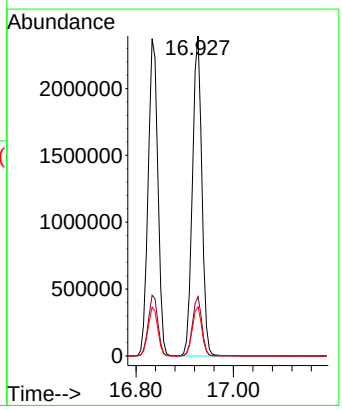


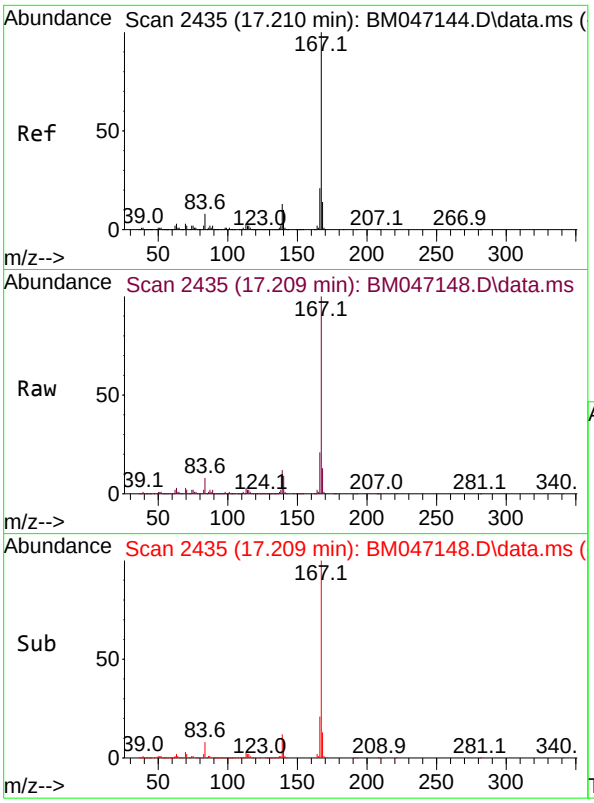


#72
Anthracene
Concen: 39.620 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:178 Resp: 3237131

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	12.4	18.6



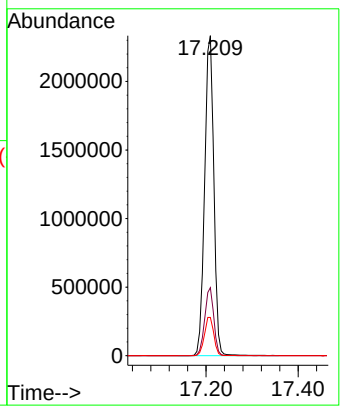


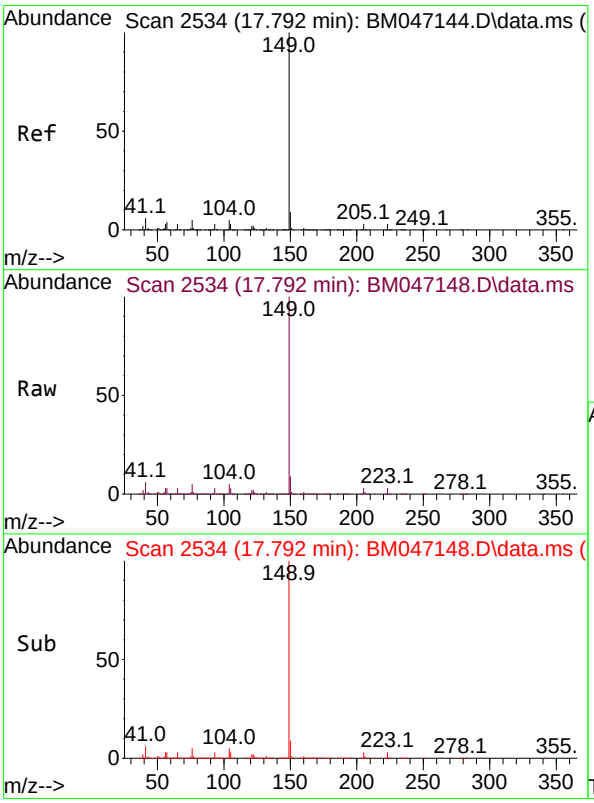
#73
Carbazole
Concen: 39.108 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:167 Resp: 3262489

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.0	10.0	15.0

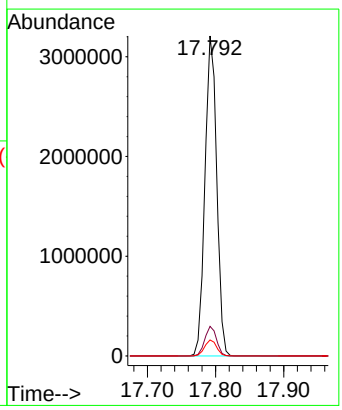


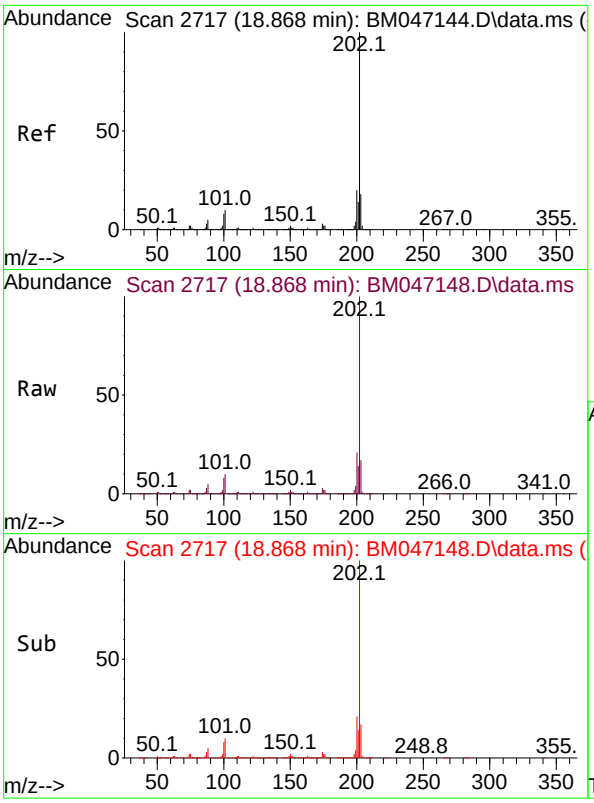


#74
Di-n-butylphthalate
Concen: 39.675 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 3851216

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.0	4.1	6.1



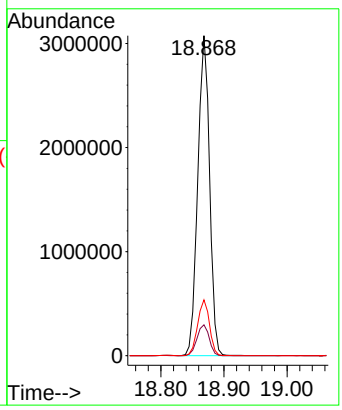


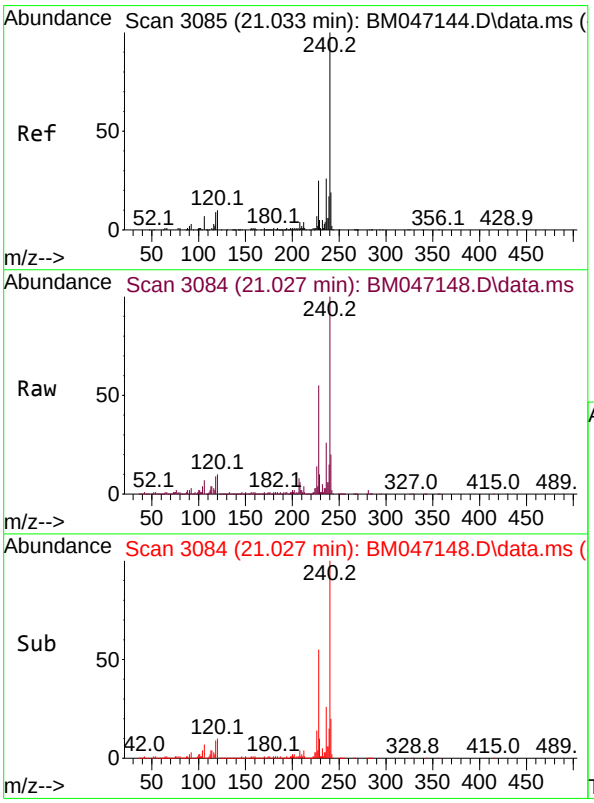
#75
Fluoranthene
Concen: 38.982 ng
RT: 18.868 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:202 Resp: 3981412

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

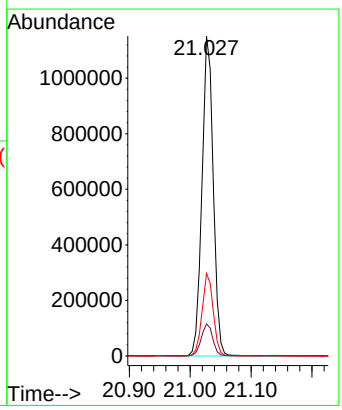


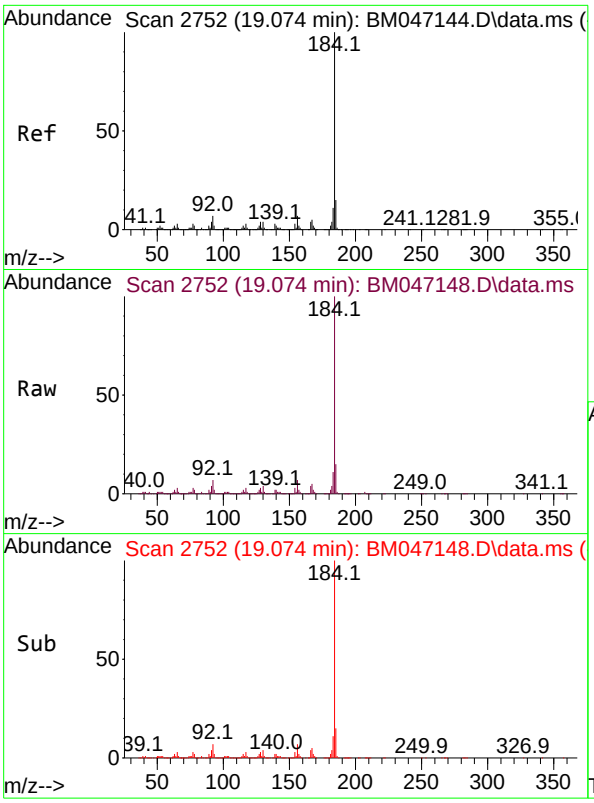


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:240 Resp: 1477990

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	25.8	20.6	30.8



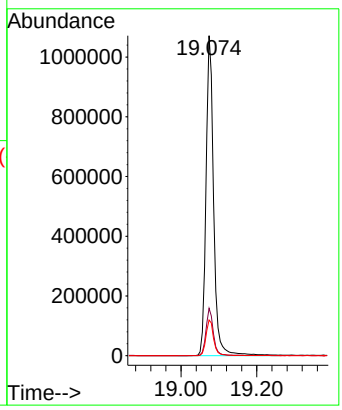


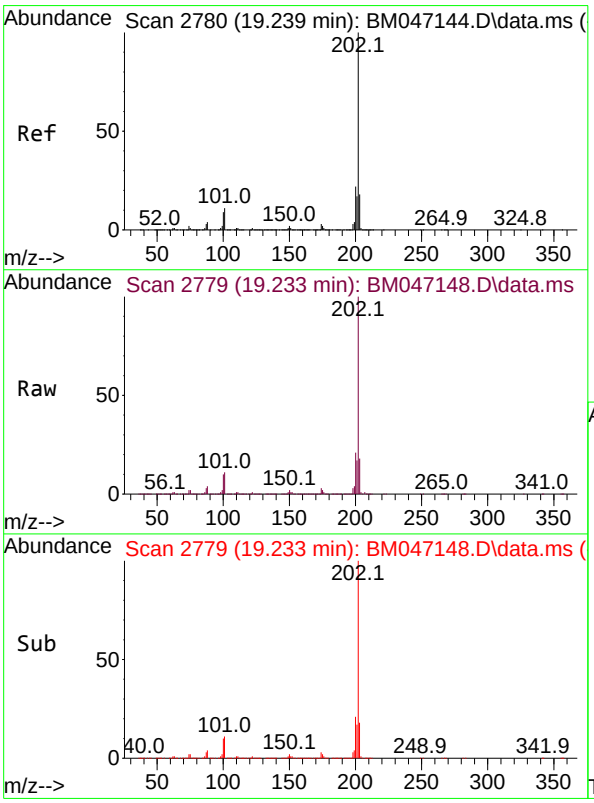
#77
Benzidine
Concen: 59.321 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:184 Resp: 1486859

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.8	17.6
183	11.2	9.0	13.6

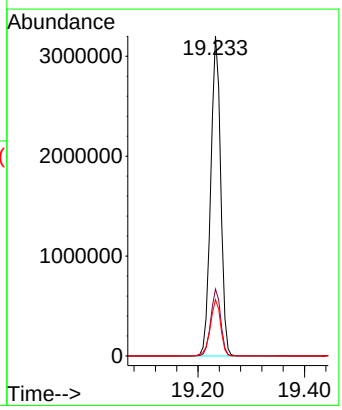


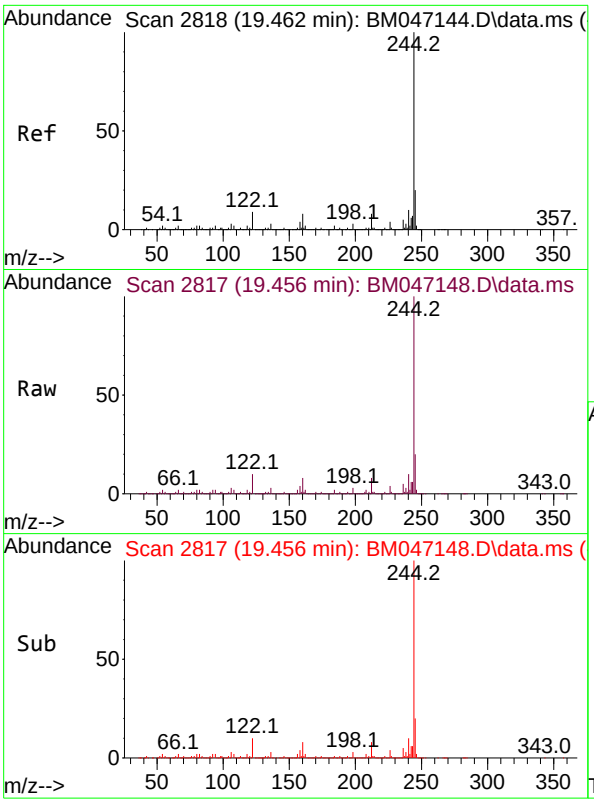


#78
Pyrene
Concen: 39.331 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:202 Resp: 4150742

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.6	14.2	21.2



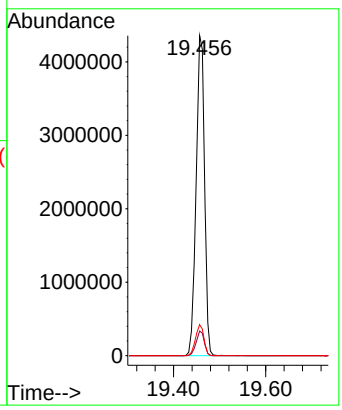


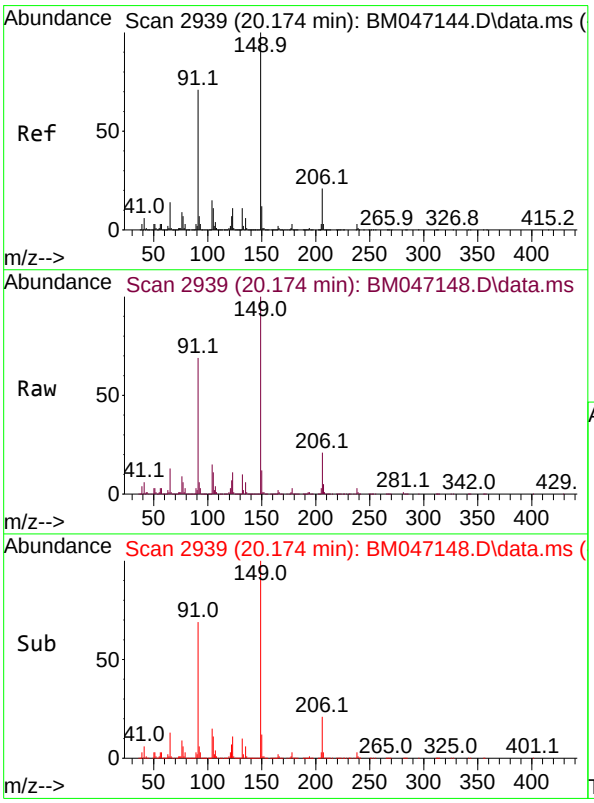
#79
Terphenyl-d14
Concen: 79.687 ng
RT: 19.456 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:244 Resp: 5496459

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	9.7	7.1	10.7

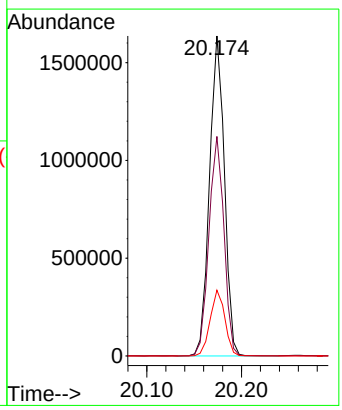


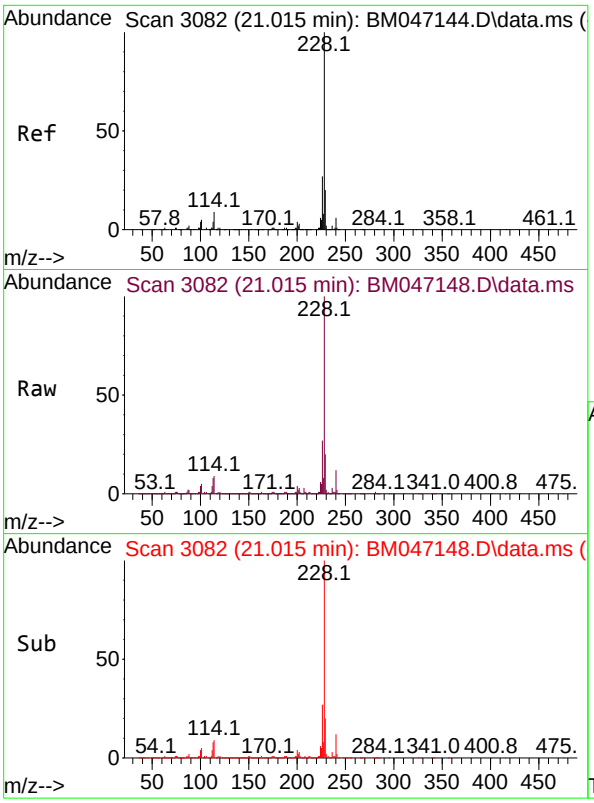


#80
Butylbenzylphthalate
Concen: 41.291 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 1778335

Ion	Ratio	Lower	Upper
149	100		
91	68.6	57.0	85.4
206	20.5	16.4	24.6



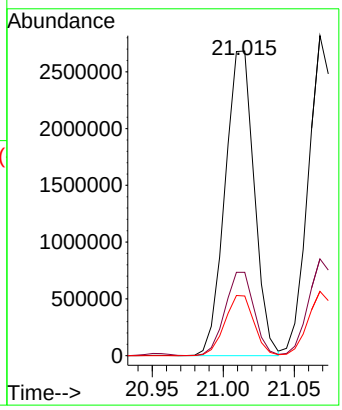


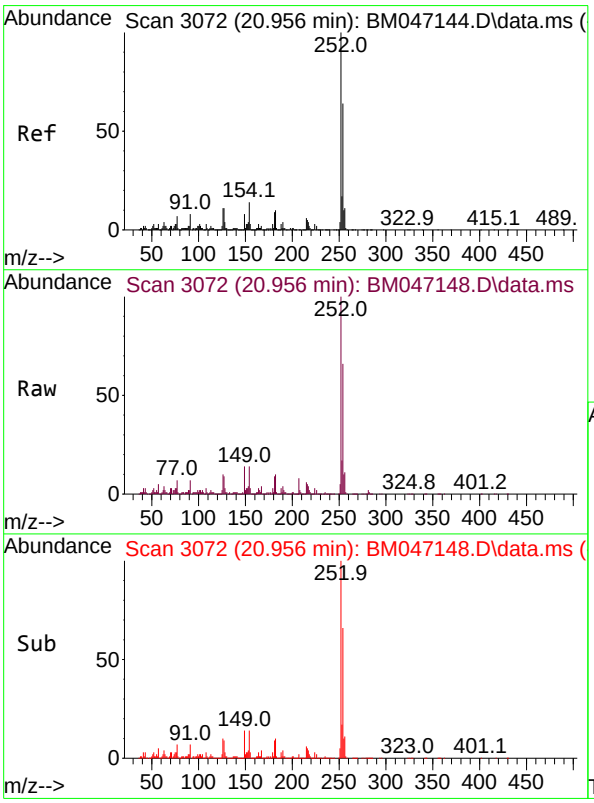
#81
Benzo(a)anthracene
Concen: 39.088 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:228 Resp: 3835235

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	19.6	15.8	23.8

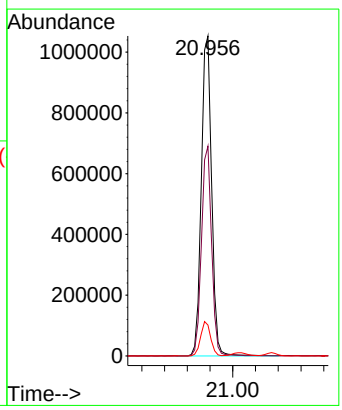


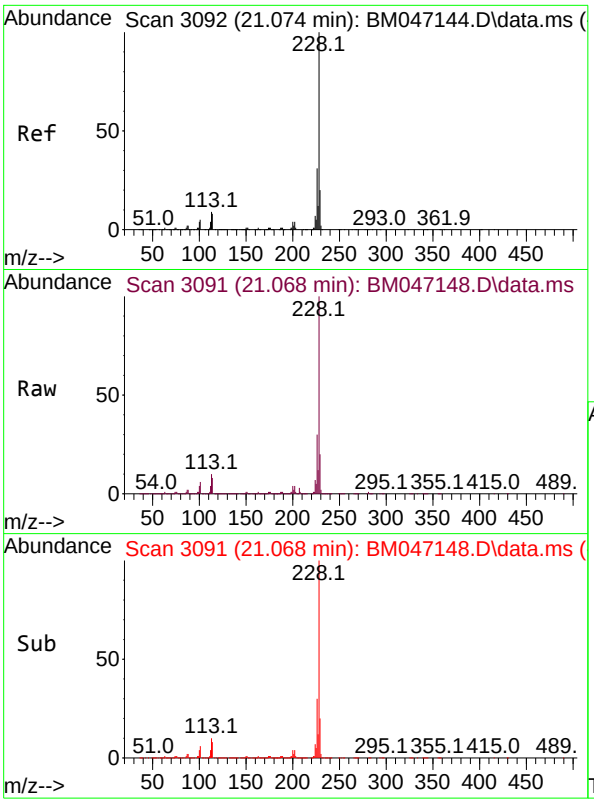


#82
3,3'-Dichlorobenzidine
Concen: 43.078 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:252 Resp: 1322453

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.0	76.6
126	9.7	8.5	12.7



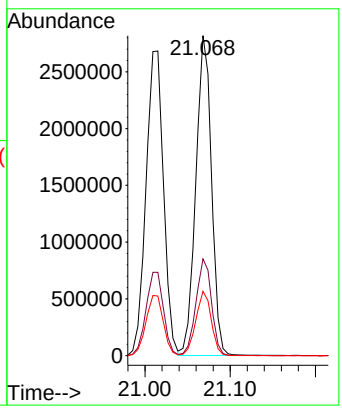


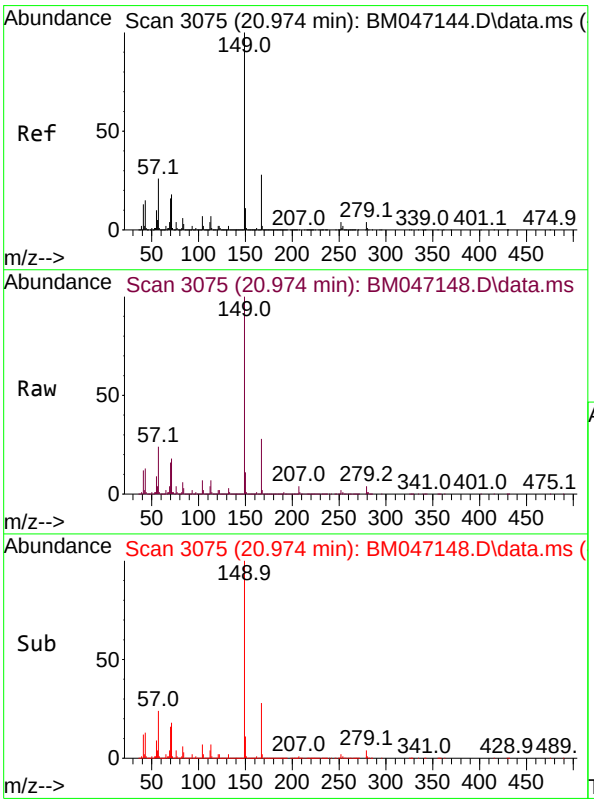
#83
Chrysene
Concen: 38.651 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:228 Resp: 3598062

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	20.1	15.7	23.5

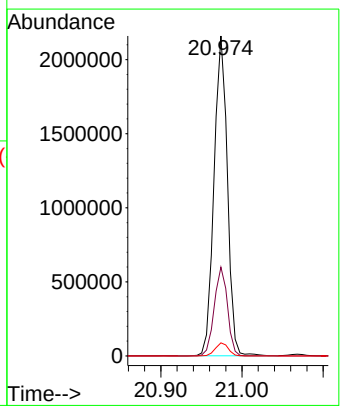


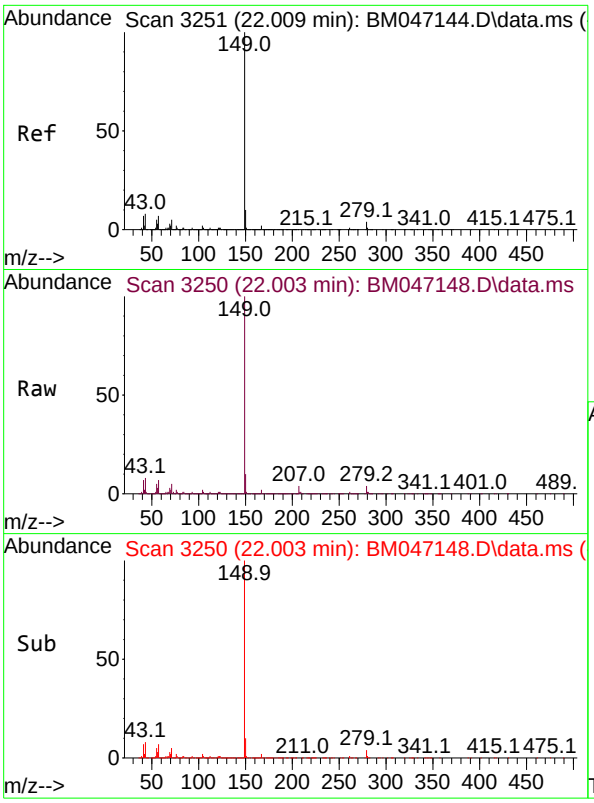


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.349 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 2464399

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.2
279	4.1	3.0	4.4



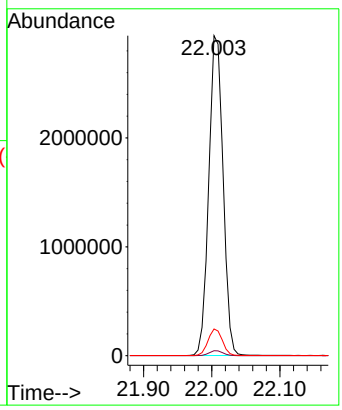


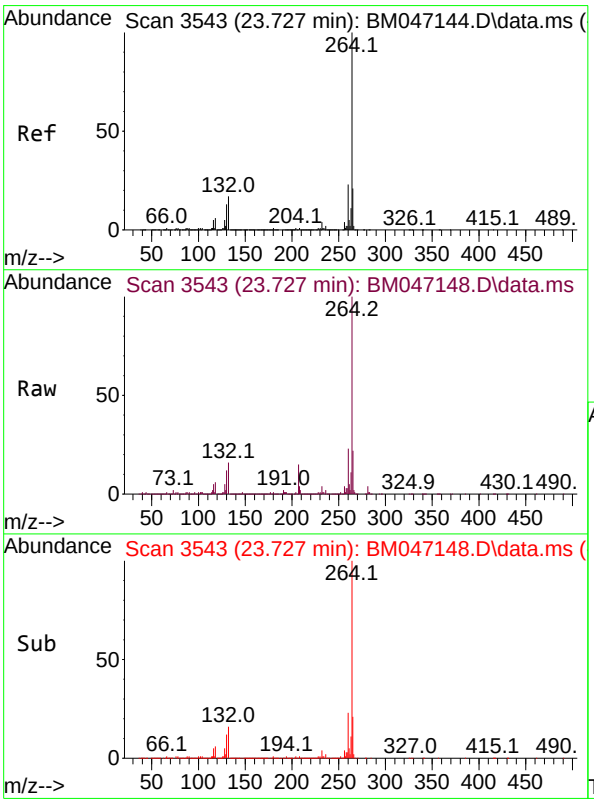
#85
Di-n-octyl phthalate
Concen: 41.304 ng
RT: 22.003 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:149 Resp: 4287924

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.3	6.9	10.3

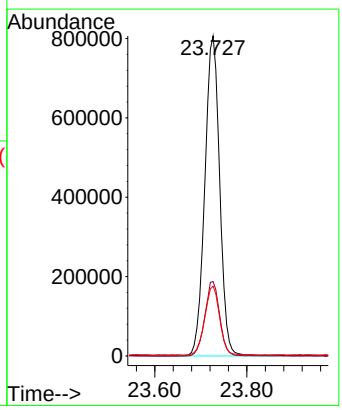


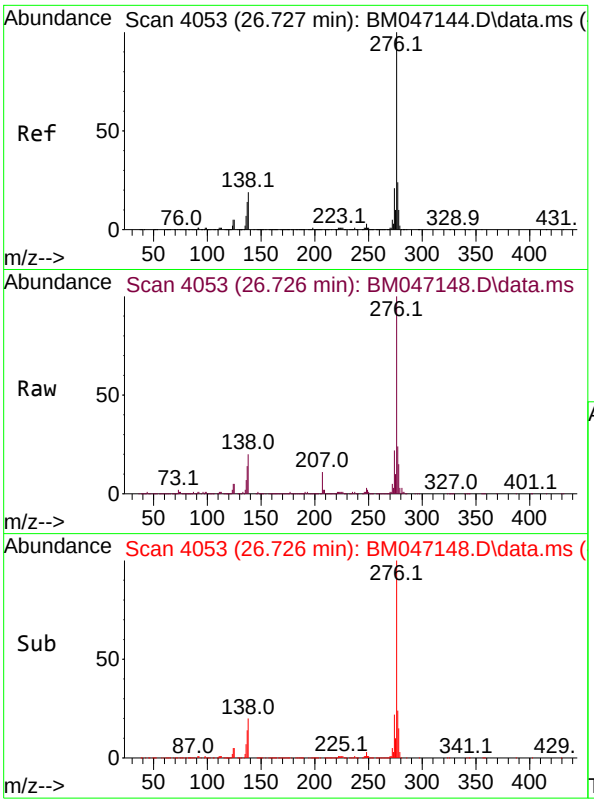


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:264 Resp: 1812426

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.8	17.3	25.9



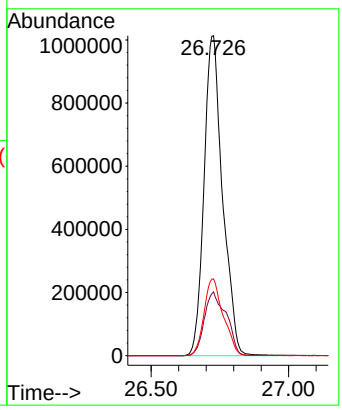


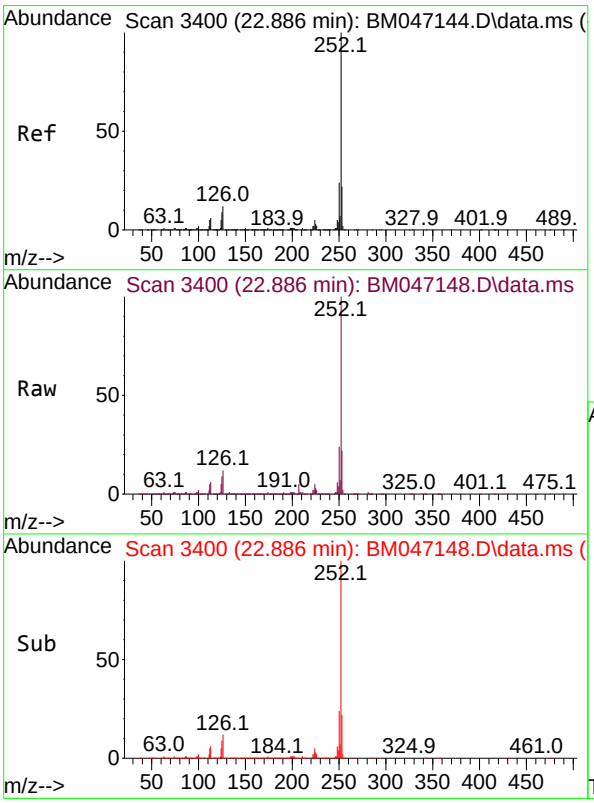
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.535 ng
RT: 26.726 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:276 Resp: 4748737

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.4	29.0
277	25.0	20.1	30.1

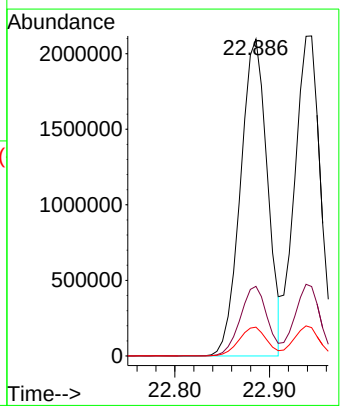


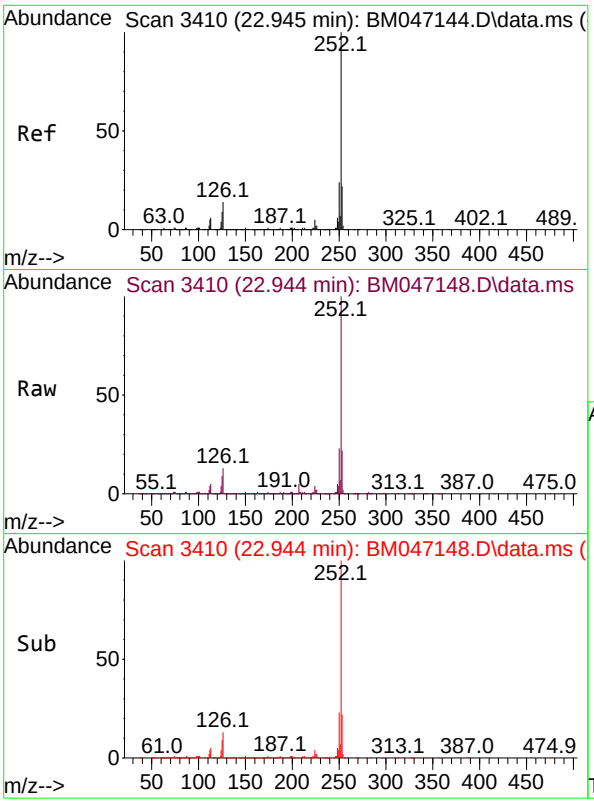


#88
Benzo(b)fluoranthene
Concen: 38.443 ng
RT: 22.886 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:252 Resp: 4137733

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.1	7.4	11.0



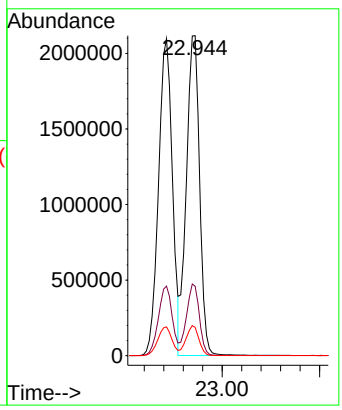


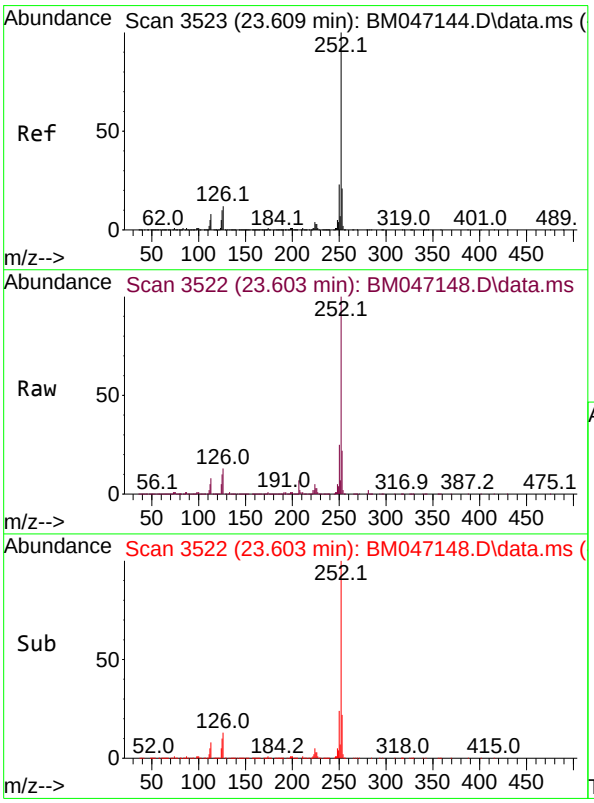
#89
Benzo(k)fluoranthene
Concen: 39.350 ng
RT: 22.944 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:252 Resp: 4000536

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	8.9	7.4	11.2

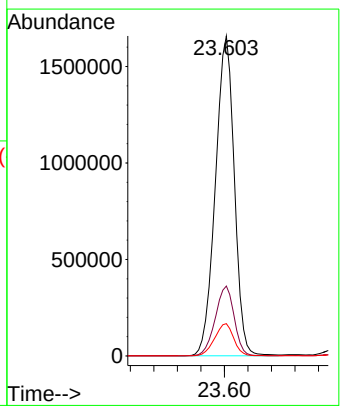


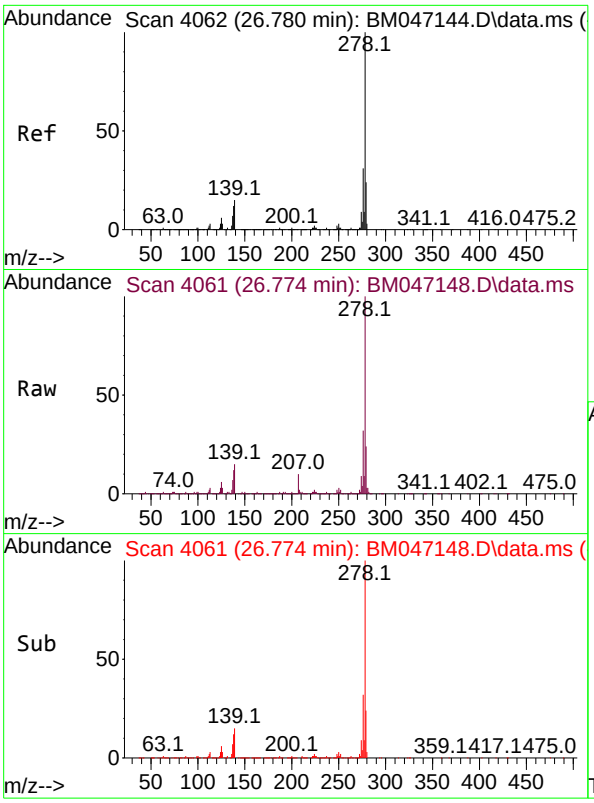


#90
Benzo(a)pyrene
Concen: 39.764 ng
RT: 23.603 min Scan# 3522
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:252 Resp: 3707577

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.1	8.2	12.2



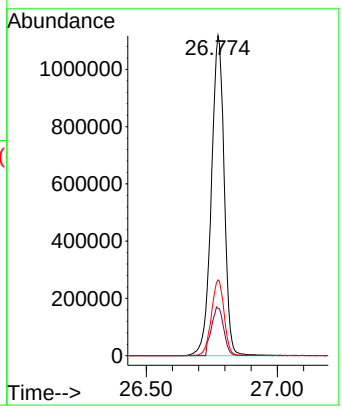


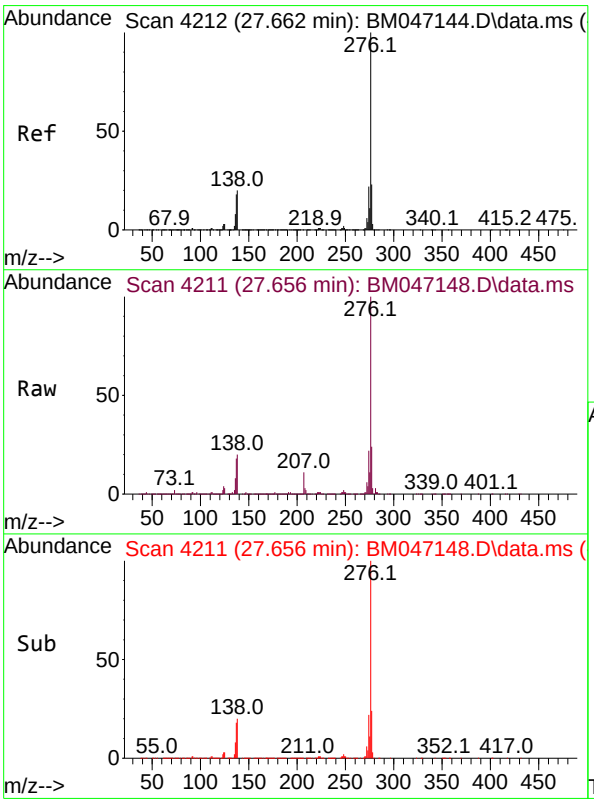
#91
Dibenzo(a,h)anthracene
Concen: 40.122 ng
RT: 26.774 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:278 Resp: 3803894

Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.0	18.0
279	23.7	19.2	28.8

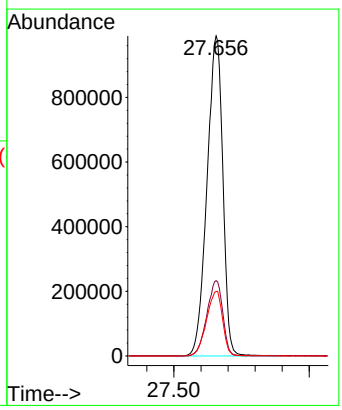




#92
Benzo(g,h,i)perylene
Concen: 40.615 ng
RT: 27.656 min Scan# 4211
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:276 Resp: 3997872

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	20.2	16.2	24.4



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	86	0.00
2		1,4-Dioxane	0.464	0.427	8.0	84	0.00
3		Pyridine	1.360	1.291	5.1	86	0.00
4		n-Nitrosodimethylamine	0.594	0.554	6.7	84	0.00
5	S	2-Fluorophenol	1.119	1.052	6.0	85	0.00
6		Aniline	1.458	1.425	2.3	86	0.00
7	S	Phenol-d6	1.542	1.477	4.2	86	0.00
8		2-Chlorophenol	1.221	1.188	2.7	87	0.00
9		Benzaldehyde	0.904	0.804	11.1	89	0.00
10	C	Phenol	1.539	1.445	6.1	86	0.00
11		bis(2-Chloroethyl)ether	1.318	1.251	5.1	84	0.00
12		1,3-Dichlorobenzene	1.451	1.411	2.8	87	0.00
13	C	1,4-Dichlorobenzene	1.469	1.426	2.9	86	0.00
14		1,2-Dichlorobenzene	1.386	1.342	3.2	88	0.00
15		Benzyl Alcohol	1.098	1.086	1.1	85	0.00
16		2,2'-oxybis(1-Chloropropane	1.691	1.598	5.5	83	0.00
17		2-Methylphenol	1.027	1.005	2.1	87	0.00
18		Hexachloroethane	0.569	0.547	3.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	1.039	0.983	5.4	86	0.00
20		3+4-Methylphenols	1.435	1.425	0.7	87	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22		Acetophenone	0.483	0.460	4.8	86	0.00
23	S	Nitrobenzene-d5	0.397	0.383	3.5	85	0.00
24		Nitrobenzene	0.400	0.390	2.5	86	0.00
25		Isophorone	0.692	0.684	1.2	86	0.00
26	C	2-Nitrophenol	0.177	0.183	-3.4	87	0.00
27		2,4-Dimethylphenol	0.207	0.205	1.0	85	0.00
28		bis(2-Chloroethoxy)methane	0.435	0.425	2.3	85	0.00
29	C	2,4-Dichlorophenol	0.308	0.315	-2.3	88	0.00
30		1,2,4-Trichlorobenzene	0.348	0.351	-0.9	88	0.00
31		Naphthalene	0.996	0.961	3.5	86	0.00
32		Benzoic acid	0.241	0.260	-7.9	90	-0.01
33		4-Chloroaniline	0.383	0.386	-0.8	87	0.00
34	C	Hexachlorobutadiene	0.204	0.205	-0.5	88	0.00
35		Caprolactam	0.107	0.108	-0.9	86	0.00
36	C	4-Chloro-3-methylphenol	0.328	0.326	0.6	87	0.00
37		2-Methylnaphthalene	0.709	0.691	2.5	87	0.00
38		1-Methylnaphthalene	0.701	0.681	2.9	87	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.553	-1.3	89	0.00
41	P	Hexachlorocyclopentadiene	0.190	0.195	-2.6	85	0.00
42	S	2,4,6-Tribromophenol	0.232	0.237	-2.2	89	0.00
43	C	2,4,6-Trichlorophenol	0.388	0.395	-1.8	87	0.00
44		2,4,5-Trichlorophenol	0.430	0.442	-2.8	88	0.00
45	S	2-Fluorobiphenyl	1.297	1.276	1.6	88	0.00
46		1,1'-Biphenyl	1.424	1.375	3.4	87	0.00
47		2-Chloronaphthalene	1.113	1.070	3.9	87	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	0.349	0.351	-0.6	86	0.00
49		Acenaphthylene	1.640	1.610	1.8	88	0.00
50		Dimethylphthalate	1.397	1.375	1.6	87	0.00
51		2,6-Dinitrotoluene	0.327	0.329	-0.6	88	0.00
52	C	Acenaphthene	1.041	1.010	3.0	88	0.00
53		3-Nitroaniline	0.327	0.331	-1.2	87	0.00
54	P	2,4-Dinitrophenol	0.196	0.197	-0.5	85	0.00
55		Dibenzofuran	1.644	1.594	3.0	88	0.00
56	P	4-Nitrophenol	0.282	0.292	-3.5	87	0.00
57		2,4-Dinitrotoluene	0.436	0.443	-1.6	88	0.00
58		Fluorene	1.356	1.317	2.9	88	0.00
59		2,3,4,6-Tetrachlorophenol	0.354	0.361	-2.0	89	0.00
60		Diethylphthalate	1.426	1.395	2.2	87	0.00
61		4-Chlorophenyl-phenylether	0.646	0.626	3.1	88	0.00
62		4-Nitroaniline	0.322	0.323	-0.3	89	0.00
63		Azobenzene	1.352	1.280	5.3	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	0.117	0.124	-6.0	87	0.00
66	c	n-Nitrosodiphenylamine	0.545	0.535	1.8	88	0.00
67		4-Bromophenyl-phenylether	0.193	0.193	0.0	89	0.00
68		Hexachlorobenzene	0.231	0.232	-0.4	89	0.00
69		Atrazine	0.164	0.169	-3.0	87	0.00
70	C	Pentachlorophenol	0.162	0.168	-3.7	88	0.00
71		Phenanthrene	1.004	0.978	2.6	88	0.00
72		Anthracene	0.977	0.967	1.0	89	0.00
73		Carbazole	0.997	0.975	2.2	88	0.00
74		Di-n-butylphthalate	1.160	1.151	0.8	87	0.00
75	C	Fluoranthene	1.221	1.190	2.5	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77		Benzidine	0.339	0.503	-48.4#	91	0.00
78		Pyrene	1.428	1.404	1.7	87	0.00
79	S	Terphenyl-d14	0.933	0.930	0.3	88	0.00
80		Butylbenzylphthalate	0.583	0.602	-3.3	87	0.00
81		Benzo(a)anthracene	1.328	1.297	2.3	88	0.00
82		3,3'-Dichlorobenzidine	0.415	0.447	-7.7	89	0.00
83		Chrysene	1.260	1.217	3.4	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.826	0.834	-1.0	87	0.00
85	c	Di-n-octyl phthalate	1.405	1.451	-3.3	88	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.293	1.310	-1.3	92	0.00
88		Benzo(b)fluoranthene	1.188	1.141	4.0	88	0.00
89		Benzo(k)fluoranthene	1.122	1.104	1.6	90	0.00
90	C	Benzo(a)pyrene	1.029	1.023	0.6	90	0.00
91		Dibenzo(a,h)anthracene	1.046	1.049	-0.3	92	0.00
92		Benzo(g,h,i)perylene	1.086	1.103	-1.6	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
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Instrument :
BNA_M
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ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
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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	86	0.00
2		1,4-Dioxane	40.000	36.823	7.9	84	0.00
3		Pyridine	40.000	37.969	5.1	86	0.00
4		n-Nitrosodimethylamine	40.000	37.322	6.7	84	0.00
5	S	2-Fluorophenol	80.000	75.195	6.0	85	0.00
6		Aniline	40.000	39.104	2.2	86	0.00
7	S	Phenol-d6	80.000	76.636	4.2	86	0.00
8		2-Chlorophenol	40.000	38.916	2.7	87	0.00
9		Benzaldehyde	40.000	39.535	1.2	89	0.00
10	C	Phenol	40.000	37.549	6.1	86	0.00
11		bis(2-Chloroethyl)ether	40.000	37.972	5.1	84	0.00
12		1,3-Dichlorobenzene	40.000	38.900	2.8	87	0.00
13	C	1,4-Dichlorobenzene	40.000	38.844	2.9	86	0.00
14		1,2-Dichlorobenzene	40.000	38.744	3.1	88	0.00
15		Benzyl Alcohol	40.000	39.581	1.0	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.800	5.5	83	0.00
17		2-Methylphenol	40.000	39.168	2.1	87	0.00
18		Hexachloroethane	40.000	38.447	3.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.864	5.3	86	0.00
20		3+4-Methylphenols	40.000	39.723	0.7	87	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22		Acetophenone	40.000	38.108	4.7	86	0.00
23	S	Nitrobenzene-d5	80.000	77.088	3.6	85	0.00
24		Nitrobenzene	40.000	38.978	2.6	86	0.00
25		Isophorone	40.000	39.554	1.1	86	0.00
26	C	2-Nitrophenol	40.000	41.274	-3.2	87	0.00
27		2,4-Dimethylphenol	40.000	39.547	1.1	85	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.022	2.4	85	0.00
29	C	2,4-Dichlorophenol	40.000	40.983	-2.5	88	0.00
30		1,2,4-Trichlorobenzene	40.000	40.261	-0.7	88	0.00
31		Naphthalene	40.000	38.564	3.6	86	0.00
32		Benzoic acid	40.000	43.072	-7.7	90	-0.01
33		4-Chloroaniline	40.000	40.265	-0.7	87	0.00
34	C	Hexachlorobutadiene	40.000	40.254	-0.6	88	0.00
35		Caprolactam	40.000	40.543	-1.4	86	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.811	0.5	87	0.00
37		2-Methylnaphthalene	40.000	38.968	2.6	87	0.00
38		1-Methylnaphthalene	40.000	38.877	2.8	87	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.555	-1.4	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.042	-2.6	85	0.00
42	S	2,4,6-Tribromophenol	80.000	81.608	-2.0	89	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.777	-1.9	87	0.00
44		2,4,5-Trichlorophenol	40.000	41.066	-2.7	88	0.00
45	S	2-Fluorobiphenyl	80.000	78.722	1.6	88	0.00
46		1,1'-Biphenyl	40.000	38.622	3.4	87	0.00
47		2-Chloronaphthalene	40.000	38.460	3.8	87	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	40.230	-0.6	86	0.00
49		Acenaphthylene	40.000	39.270	1.8	88	0.00
50		Dimethylphthalate	40.000	39.364	1.6	87	0.00
51		2,6-Dinitrotoluene	40.000	40.338	-0.8	88	0.00
52	C	Acenaphthene	40.000	38.828	2.9	88	0.00
53		3-Nitroaniline	40.000	40.443	-1.1	87	0.00
54	P	2,4-Dinitrophenol	40.000	40.314	-0.8	85	0.00
55		Dibenzofuran	40.000	38.784	3.0	88	0.00
56	P	4-Nitrophenol	40.000	41.349	-3.4	87	0.00
57		2,4-Dinitrotoluene	40.000	40.635	-1.6	88	0.00
58		Fluorene	40.000	38.859	2.9	88	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.787	-2.0	89	0.00
60		Diethylphthalate	40.000	39.122	2.2	87	0.00
61		4-Chlorophenyl-phenylether	40.000	38.777	3.1	88	0.00
62		4-Nitroaniline	40.000	40.127	-0.3	89	0.00
63		Azobenzene	40.000	37.854	5.4	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.500	-6.3	87	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.293	1.8	88	0.00
67		4-Bromophenyl-phenylether	40.000	40.155	-0.4	89	0.00
68		Hexachlorobenzene	40.000	40.130	-0.3	89	0.00
69		Atrazine	40.000	41.312	-3.3	87	0.00
70	C	Pentachlorophenol	40.000	41.470	-3.7	88	0.00
71		Phenanthrene	40.000	38.967	2.6	88	0.00
72		Anthracene	40.000	39.620	1.0	89	0.00
73		Carbazole	40.000	39.108	2.2	88	0.00
74		Di-n-butylphthalate	40.000	39.675	0.8	87	0.00
75	C	Fluoranthene	40.000	38.982	2.5	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77		Benzidine	40.000	59.321	-48.3#	91	0.00
78		Pyrene	40.000	39.331	1.7	87	0.00
79	S	Terphenyl-d14	80.000	79.687	0.4	88	0.00
80		Butylbenzylphthalate	40.000	41.291	-3.2	87	0.00
81		Benzo(a)anthracene	40.000	39.088	2.3	88	0.00
82		3,3'-Dichlorobenzidine	40.000	43.078	-7.7	89	0.00
83		Chrysene	40.000	38.651	3.4	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.349	-0.9	87	0.00
85	c	Di-n-octyl phthalate	40.000	41.304	-3.3	88	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.535	-1.3	92	0.00
88		Benzo(b)fluoranthene	40.000	38.443	3.9	88	0.00
89		Benzo(k)fluoranthene	40.000	39.350	1.6	90	0.00
90	C	Benzo(a)pyrene	40.000	39.764	0.6	90	0.00
91		Dibenzo(a,h)anthracene	40.000	40.122	-0.3	92	0.00
92		Benzo(g,h,i)perylene	40.000	40.615	-1.5	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP021481.D 5 =BP021482.D 10 =BP021483.D 20 =BP021484.D 40 =BP021485.D 50 =BP021486.D 60 =BP021487.D 80 =BP0214
88.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.685	0.614	0.681	0.642	0.599	0.645	0.605	0.639	5.45
3)		Pyridine		1.744	1.720	1.915	1.802	1.741	1.834	1.725	1.783	4.02
4)		n-Nitrosodimet...		0.545	0.525	0.568	0.532	0.516	0.546	0.519	0.536	3.41
5)	S	2-Fluorophenol		1.332	1.286	1.405	1.348	1.324	1.401	1.333	1.347	3.18
6)		Aniline		1.964	2.035	2.053	1.978	1.925	1.954	1.841	1.964	3.60
7)	S	Phenol-d6		1.897	1.960	2.062	1.978	1.953	1.998	1.905	1.965	2.87
8)		2-Chlorophenol		1.199	1.221	1.291	1.250	1.236	1.285	1.232	1.245	2.68
9)		Benzaldehyde		1.364	1.447	1.409	1.198	1.073	1.057		1.258	13.68
10)	C	Phenol		1.968	2.023	2.138	2.045	2.020	2.077	1.971	2.035	2.94
11)		bis(2-Chloroet...		1.757	1.800	1.787	1.702	1.680	1.690	1.636	1.722	3.53
12)		1,3-Dichlorobe...		1.579	1.479	1.546	1.452	1.422	1.467	1.404	1.479	4.29
13)	C	1,4-Dichlorobe...		1.571	1.514	1.553	1.475	1.435	1.491	1.413	1.493	3.89
14)		1,2-Dichlorobe...		1.523	1.475	1.513	1.410	1.377	1.416	1.356	1.439	4.57
15)		Benzyl Alcohol		1.306	1.454	1.474	1.415	1.417	1.437	1.365	1.410	4.07
16)		2,2'-oxybis(1-...		1.639	1.716	1.642	1.546	1.549	1.532	1.474	1.585	5.23
17)		2-Methylphenol		1.257	1.313	1.350	1.290	1.277	1.288	1.230	1.286	2.99
18)		Hexachloroethane		0.599	0.590	0.617	0.594	0.587	0.614	0.590	0.599	2.04
19)	P	n-Nitroso-di-n...	1.329	1.436	1.555	1.433	1.340	1.308	1.271	1.185	1.357	8.44
20)		3+4-Methylphenols		1.595	1.820	1.795	1.758	1.734	1.769	1.670	1.734	4.49
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.636	0.621	0.643	0.612	0.591	0.609	0.590	0.614	3.32
23)	S	Nitrobenzene-d5		0.300	0.339	0.386	0.410	0.412	0.436	0.430	0.387	13.07
24)		Nitrobenzene		0.338	0.385	0.430	0.443	0.435	0.460	0.454	0.421	10.43
25)		Isophorone		0.947	0.970	0.951	0.913	0.877	0.886	0.864	0.915	4.51
26)	C	2-Nitrophenol		0.054	0.063	0.076	0.094	0.107	0.120		0.086	30.30#
27)		2,4-Dimethylph...		0.218	0.225	0.232	0.225	0.221	0.233	0.227	0.226	2.34
28)		bis(2-Chloroet...		0.577	0.574	0.572	0.549	0.542	0.554	0.543	0.559	2.72
29)	C	2,4-Dichloroph...		0.226	0.249	0.270	0.273	0.275	0.288	0.288	0.267	8.43
30)		1,2,4-Trichlor...		0.355	0.332	0.347	0.340	0.331	0.349	0.343	0.342	2.61
31)		Naphthalene		1.084	1.041	1.074	1.041	1.002	1.046	1.026	1.045	2.65
32)		Benzoic acid			0.082	0.104	0.129	0.151	0.168	0.187	0.137	29.06
33)		4-Chloroaniline		0.394	0.403	0.406	0.395	0.379	0.389	0.381	0.392	2.58
34)	C	Hexachlorobuta...		0.217	0.213	0.218	0.215	0.210	0.219	0.217	0.215	1.50
35)		Caprolactam		0.099	0.115	0.118	0.114	0.109	0.113	0.110	0.111	5.44
36)	C	4-Chloro-3-met...		0.332	0.375	0.382	0.383	0.370	0.378	0.372	0.370	4.74
37)		2-Methylnaphth...		0.747	0.742	0.730	0.705	0.683	0.701	0.683	0.713	3.75
38)		1-Methylnaphth...		0.742	0.735	0.725	0.697	0.673	0.685	0.666	0.703	4.37

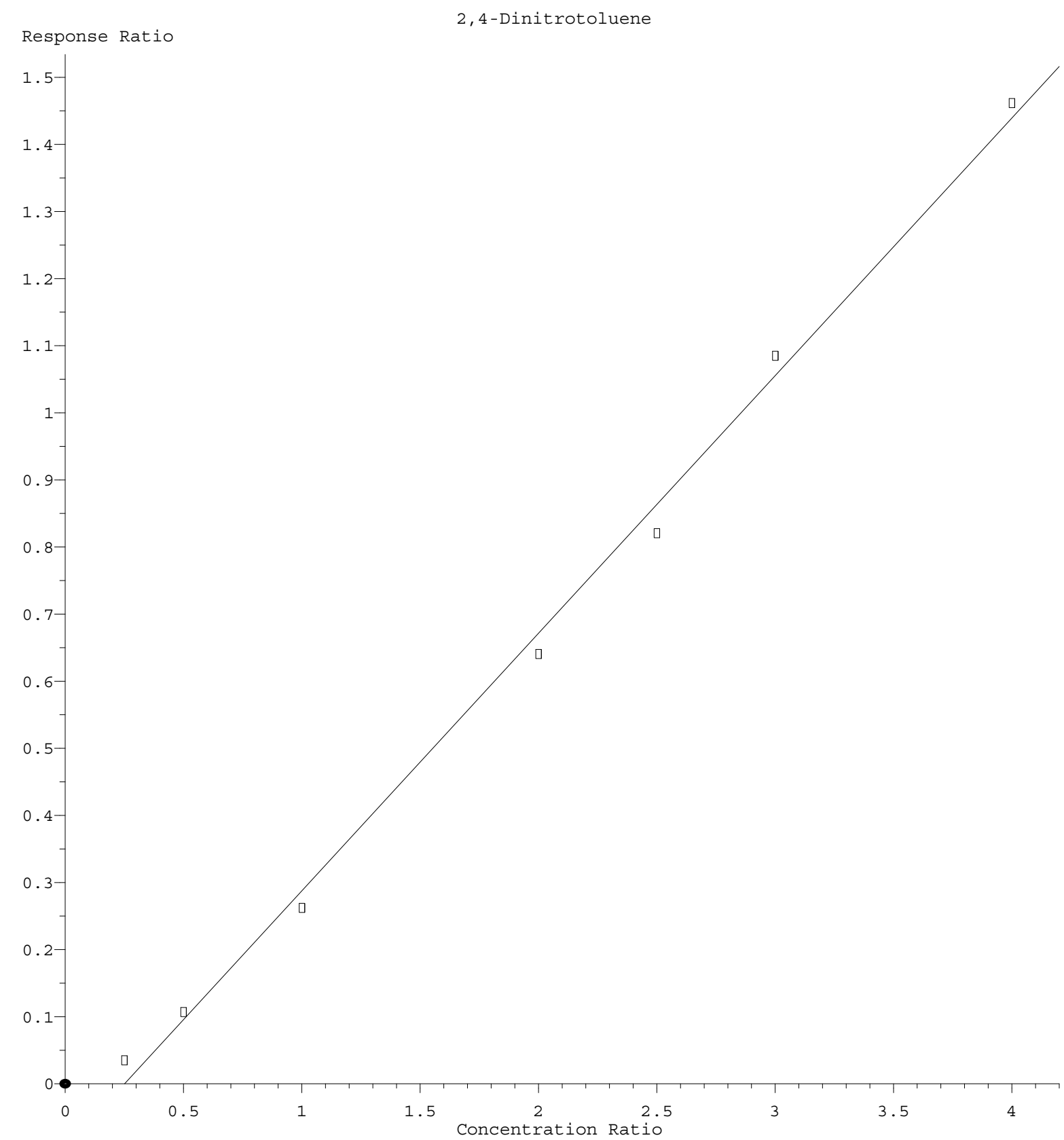
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.543	0.592	0.595	0.578	0.616	0.604	0.586	4.05
41)	P	Hexachlorocycl...	0.159	0.153	0.174	0.192	0.195	0.214	0.214	0.186	13.17
42)	S	2,4,6-Tribromo...	0.179	0.204	0.222	0.236	0.231	0.245	0.240	0.223	10.47
43)	C	2,4,6-Trichlor...	0.261	0.284	0.318	0.343	0.339	0.367	0.367	0.326	12.49
44)		2,4,5-Trichlor...	0.284	0.316	0.360	0.382	0.378	0.408	0.404	0.362	12.72
45)	S	2-Fluorobiphenyl	1.371	1.314	1.335	1.327	1.264	1.309	1.253	1.310	3.12
46)		1,1'-Biphenyl	1.462	1.400	1.434	1.428	1.362	1.433	1.386	1.415	2.40
47)		2-Chloronaphth...	1.121	1.075	1.117	1.116	1.065	1.129	1.088	1.102	2.30
48)		2-Nitroaniline	0.146	0.181	0.231	0.285	0.294	0.329	0.328	0.256	28.08
49)		Acenaphthylene	1.660	1.610	1.657	1.645	1.561	1.633	1.570	1.619	2.51
50)		Dimethylphthalate	1.387	1.365	1.369	1.352	1.276	1.340	1.287	1.339	3.17
51)		2,6-Dinitrotol...	0.129	0.187	0.227	0.255	0.261	0.282	0.283	0.232	24.32
52)	C	Acenaphthene	1.094	1.058	1.074	1.073	1.023	1.072	1.042	1.063	2.23
53)		3-Nitroaniline	0.127	0.185	0.221	0.254	0.254	0.279	0.277	0.228	24.33
54)	P	2,4-Dinitrophenol		0.045	0.052	0.066	0.073	0.085	0.093	0.069	27.01
55)		Dibenzofuran	1.735	1.637	1.677	1.649	1.563	1.607	1.575	1.635	3.67
56)	P	4-Nitrophenol		0.141	0.177	0.202	0.201	0.225	0.223	0.195	16.26
57)		2,4-Dinitrotol...	0.140	0.214	0.262	0.320	0.328	0.362	0.365	0.284	29.47
58)		Fluorene	1.431	1.400	1.408	1.354	1.260	1.315	1.233	1.343	5.70
59)		2,3,4,6-Tetrac...	0.250	0.278	0.302	0.328	0.317	0.340	0.333	0.307	10.67
60)		Diethylphthalate	1.405	1.395	1.427	1.397	1.318	1.368	1.310	1.374	3.26
61)		4-Chlorophenyl...	0.741	0.724	0.718	0.695	0.656	0.680	0.644	0.694	5.19
62)		4-Nitroaniline	0.148	0.198	0.242	0.273	0.262	0.288	0.278	0.241	21.07
63)		Azobenzene	1.797	1.779	1.778	1.714	1.555	1.648	1.555	1.689	6.21
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.031	0.039	0.052	0.060	0.069	0.075	0.054	30.94
66)	c	n-Nitrosodiphe...	0.534	0.541	0.549	0.538	0.523	0.534	0.531	0.536	1.52
67)		4-Bromophenyl-...	0.211	0.210	0.212	0.207	0.210	0.215	0.216	0.212	1.39
68)		Hexachlorobenzene	0.255	0.249	0.250	0.252	0.245	0.252	0.248	0.250	1.32
69)		Atrazine	0.181	0.186	0.196	0.191	0.179	0.182	0.174	0.184	4.00
70)	C	Pentachlorophenol		0.108	0.125	0.137	0.143	0.151	0.156	0.137	13.07
71)		Phenanthrene	0.990	0.963	0.998	0.965	0.932	0.952	0.932	0.962	2.71
72)		Anthracene	0.954	0.955	0.970	0.950	0.915	0.943	0.915	0.943	2.21
73)		Carbazole	0.908	0.906	0.941	0.930	0.873	0.913	0.892	0.909	2.49
74)		Di-n-butylphth...	1.049	1.065	1.149	1.149	1.133	1.144	1.126	1.116	3.75
75)	C	Fluoranthene	1.215	1.153	1.233	1.200	1.137	1.179	1.144	1.180	3.17
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.297	0.451	0.477	0.476	0.408	0.409	0.420	16.09
78)		Pyrene	1.283	1.470	1.295	1.290	1.262	1.270	1.282	1.307	5.55
79)	S	Terphenyl-d14	1.069	1.196	1.034	1.006	0.973	0.994	0.935	1.029	8.24
80)		Butylbenzylpht...	0.298	0.365	0.411	0.470	0.489	0.508	0.519	0.437	18.83
81)		Benzo(a)anthra...	1.271	1.247	1.291	1.268	1.224	1.244	1.242	1.256	1.79
82)		3,3'-Dichlorob...	0.349	0.358	0.413	0.428	0.419	0.429	0.422	0.403	8.47
83)		Chrysene	1.213	1.180	1.205	1.197	1.151	1.182	1.169	1.185	1.81
84)		Bis(2-ethylhex...	0.607	0.635	0.741	0.781	0.804	0.800	0.826	0.742	11.70
85)	c	Di-n-octyl pht...		0.839	1.115	1.247	1.285	1.332	1.376	1.199	16.51

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.244	1.156	1.317	1.327	1.297	1.384	1.350	1.296	5.84
88)		Benzo(b)fluora...	1.106	1.152	1.158	1.155	1.119	1.189	1.163	1.149	2.42
89)		Benzo(k)fluora...	1.115	1.101	1.124	1.141	1.103	1.150	1.110	1.121	1.69
90)	C	Benzo(a)pyrene	0.953	0.953	1.003	1.012	0.996	1.040	1.019	0.997	3.28
91)		Dibenzo(a,h)an...	1.034	0.965	1.106	1.102	1.080	1.144	1.109	1.077	5.54
92)		Benzo(g,h,i)pe...	1.052	0.955	1.096	1.102	1.074	1.151	1.128	1.080	5.91

(#) = Out of Range



Response = 3.838e-001 * Amt - 9.639e-002
Coef of Det (r^2) = 0.996361 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP081324.M
Calibration Table Last Updated: Wed Aug 14 00:00:30 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	291697	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1211879	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	840945	20.000	ng	-0.01
64) Phenanthrene-d10	17.239	188	1860621	20.000	ng	-0.01
76) Chrysene-d12	21.704	240	1845246	20.000	ng	0.00
86) Perylene-d12	25.115	264	2154249	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.599	70	48460	2.448	ng	99

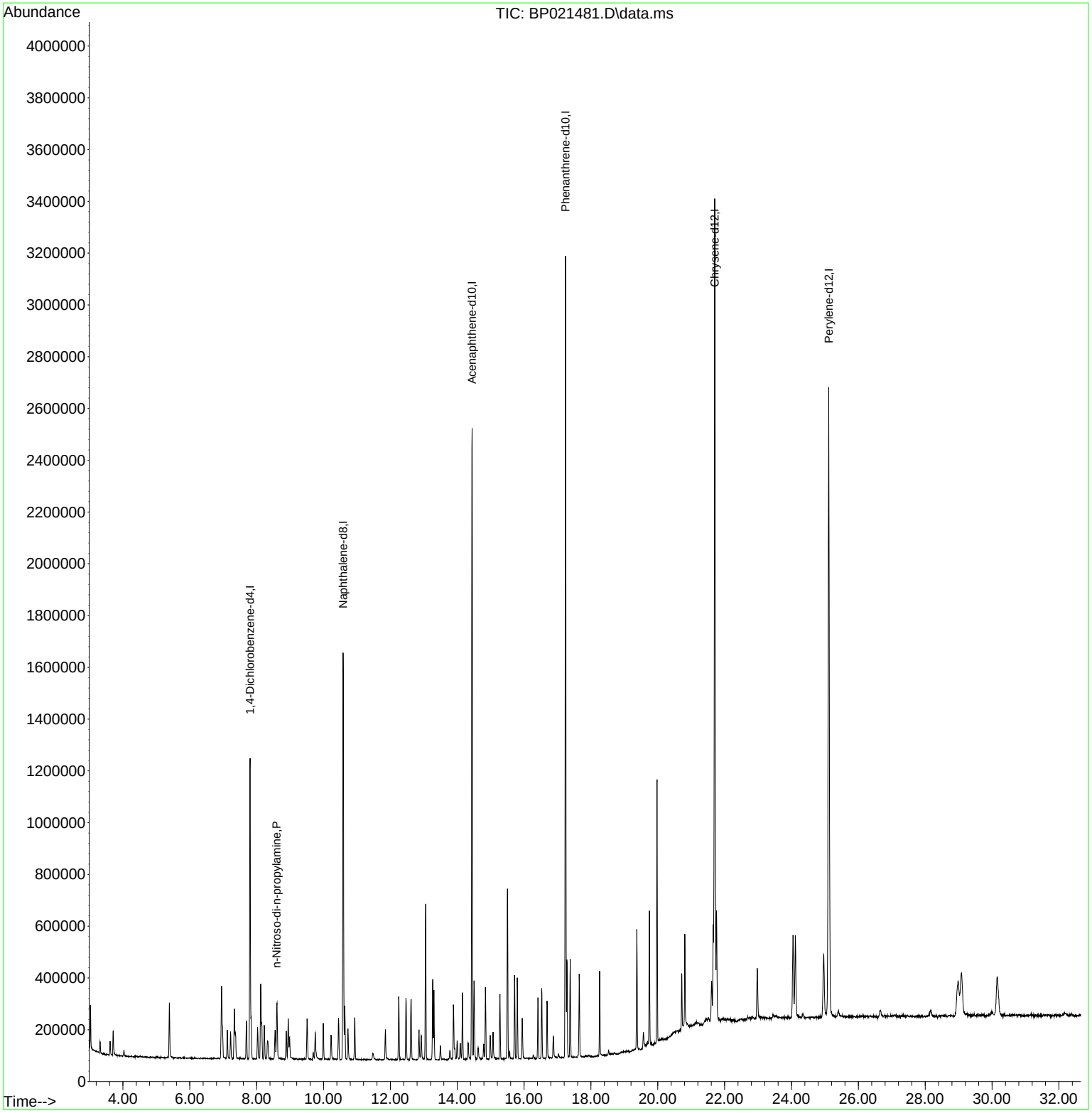
(#) = qualifier out of range (m) = manual integration (+) = signals summed

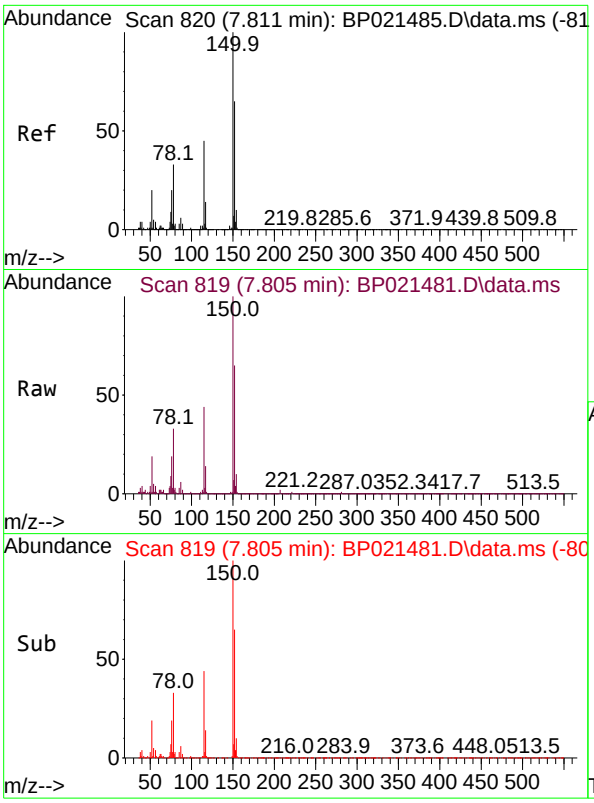
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration



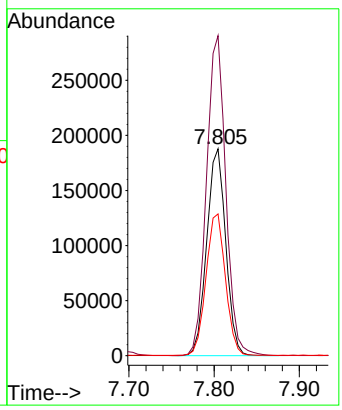


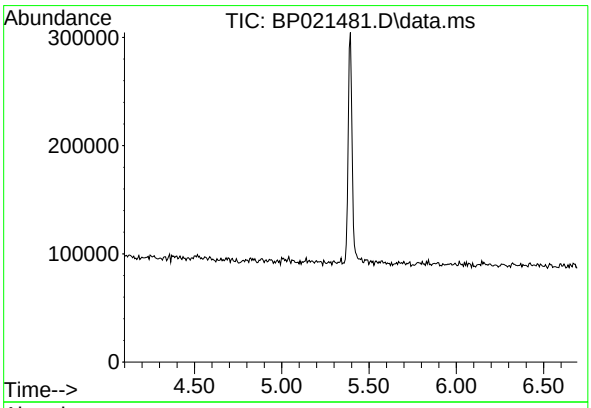
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 291697

Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.4	183.6
115	68.5	54.7	82.1



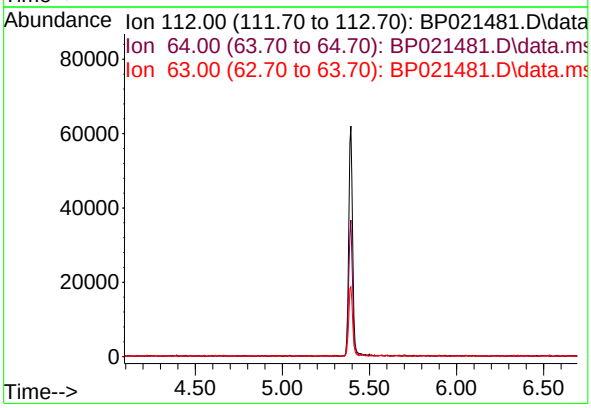


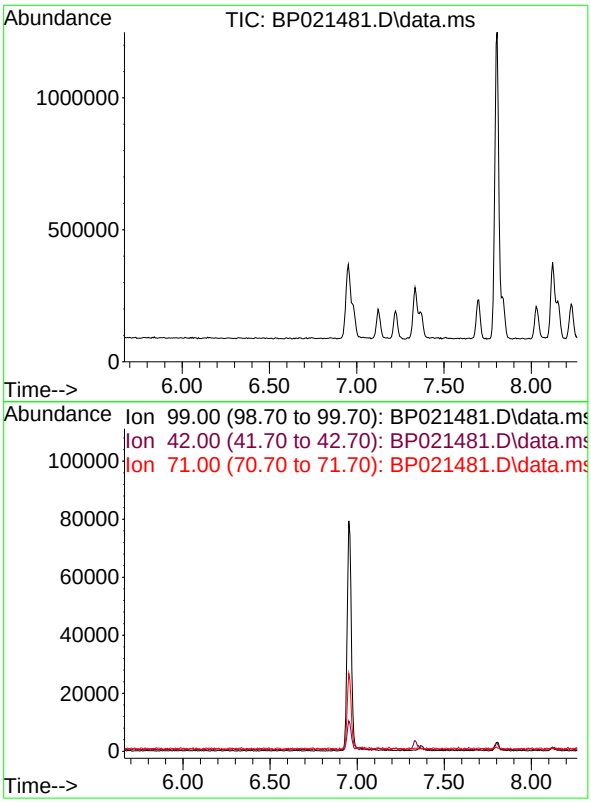
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.39 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.3
63	30.7





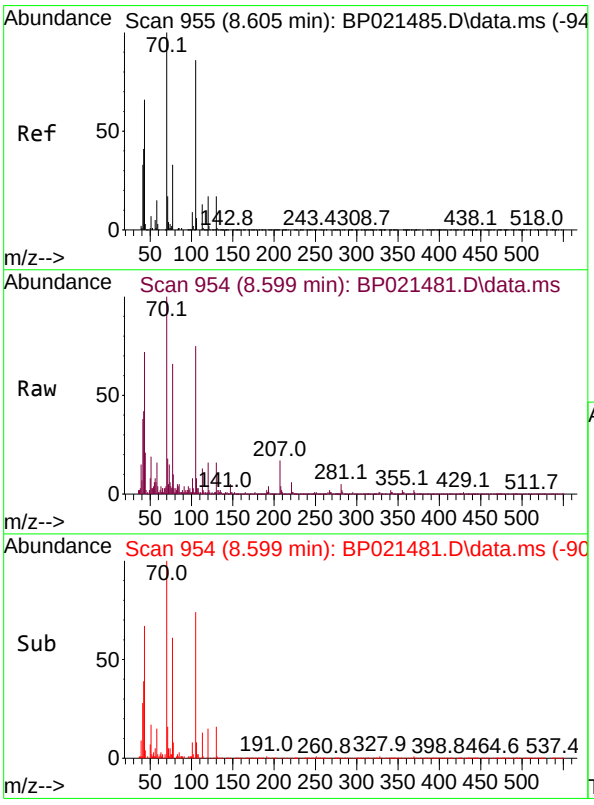
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.96 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

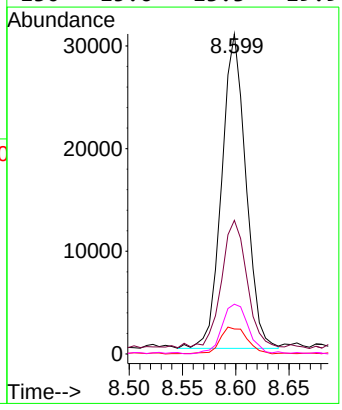
Sig	Exp Ratio
99	100
42	12.8
71	32.3

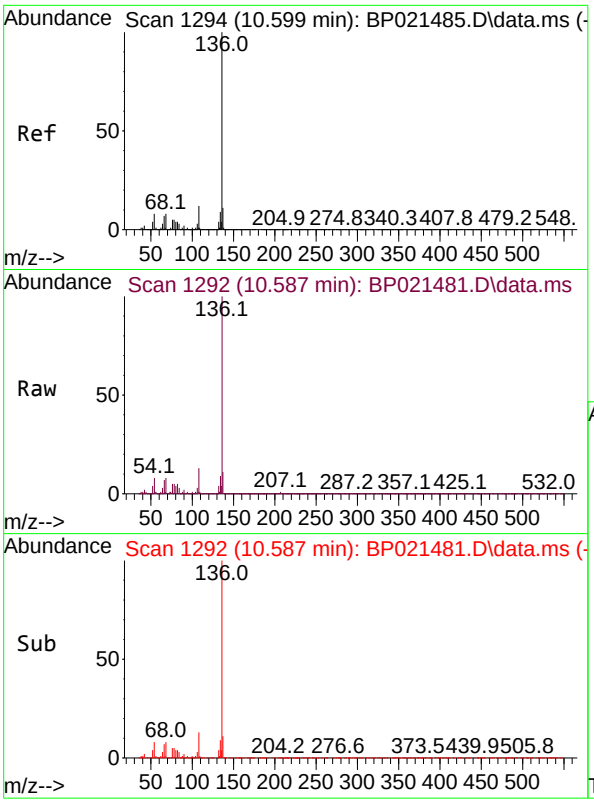


#19
n-Nitroso-di-n-propylamine
Concen: 2.448 ng
RT: 8.599 min Scan# 954
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 70 Resp: 48460

Ion	Ratio	Lower	Upper
70	100		
42	41.7	33.1	49.7
101	7.8	7.4	11.2
130	15.6	13.3	19.9



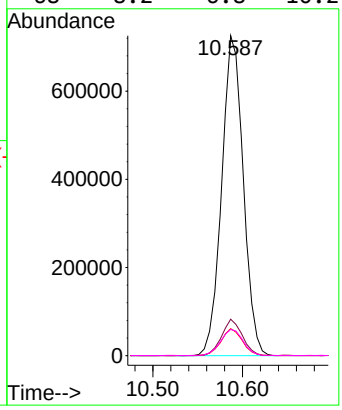


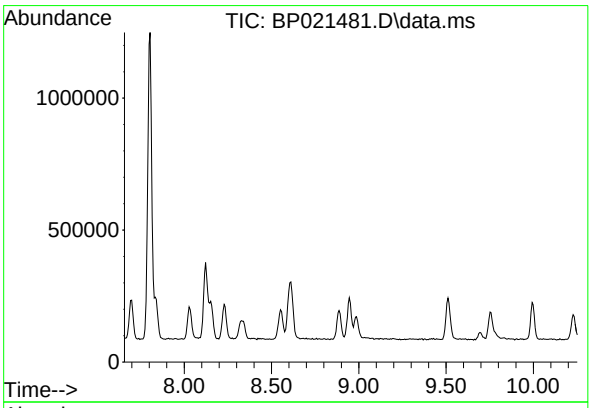
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1211879

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.4	6.3	9.5
68	8.2	6.8	10.2



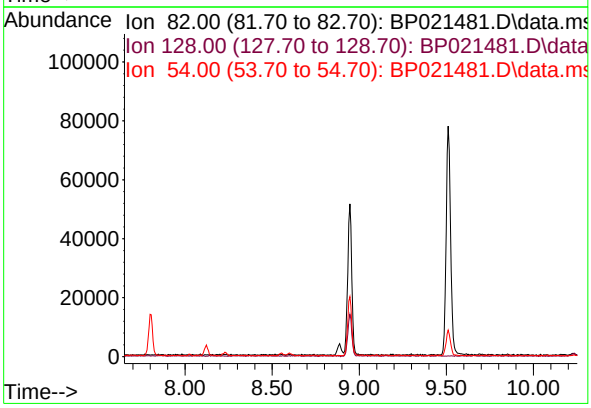


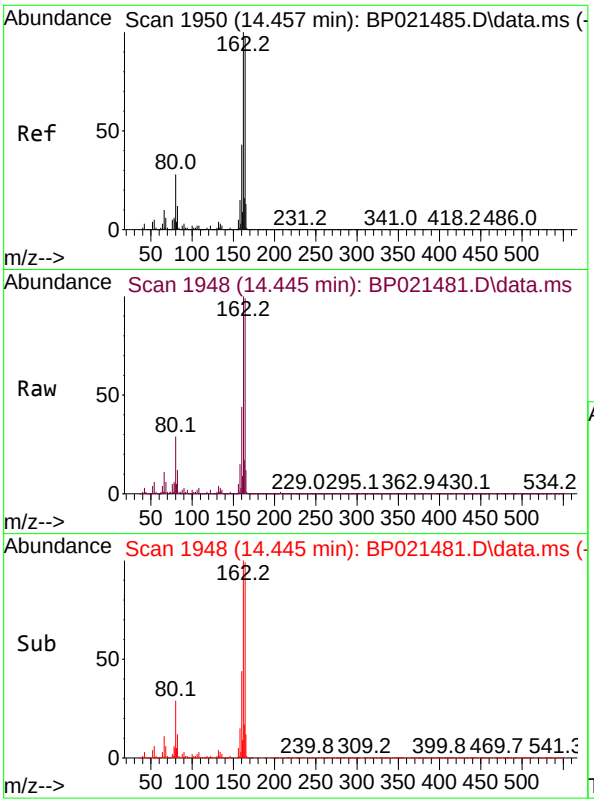
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.95 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	33.1
54	37.9



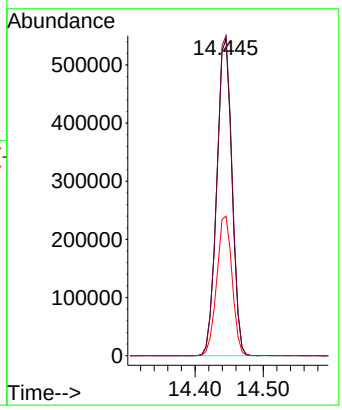


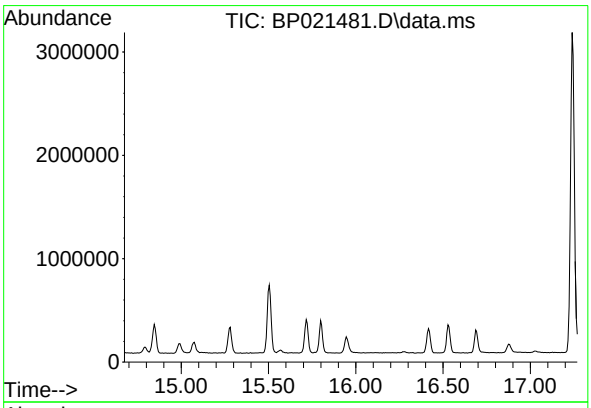
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 840945

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.5	122.3
160	44.1	35.2	52.8



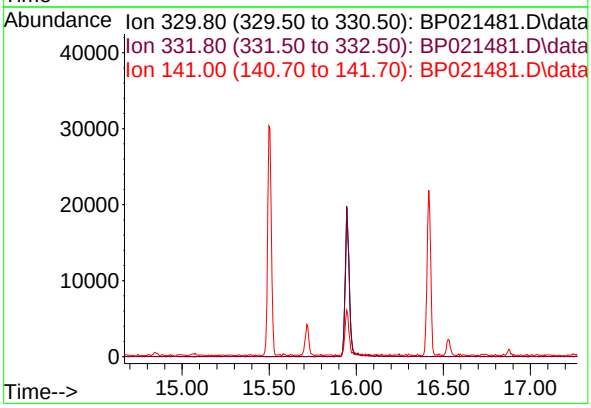


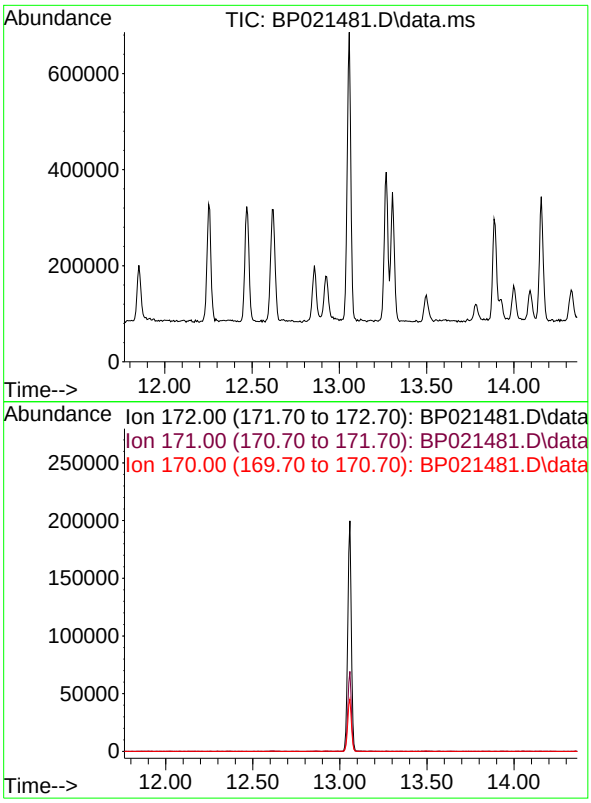
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.7
141	30.6





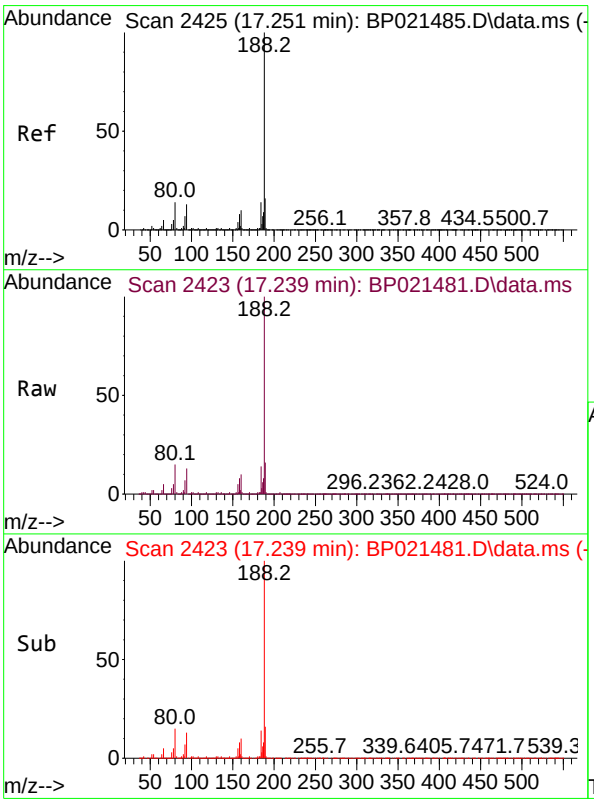
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.06 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

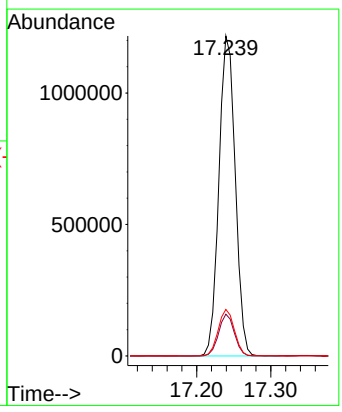
Sig	Exp Ratio
172	100
171	35.3
170	23.0

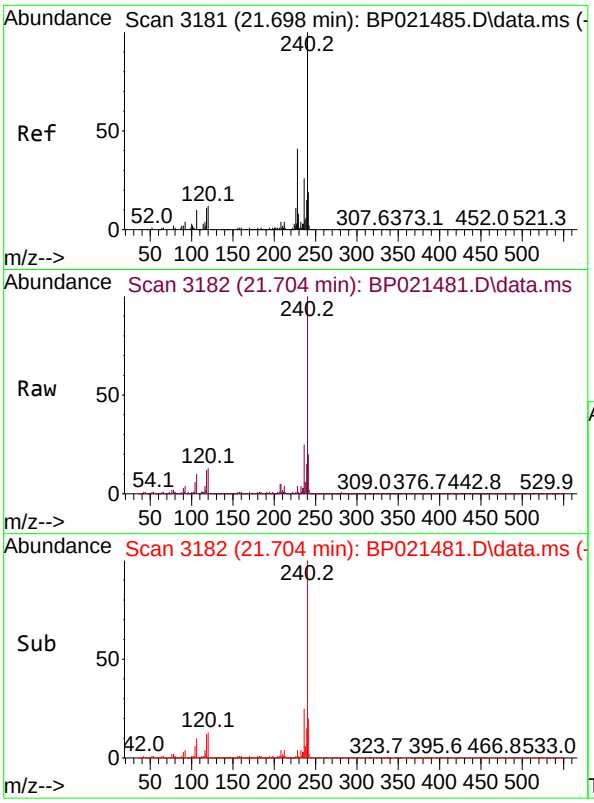


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion:188 Resp: 1860621

Ion	Ratio	Lower	Upper
188	100		
94	13.0	10.2	15.4
80	14.6	11.6	17.4



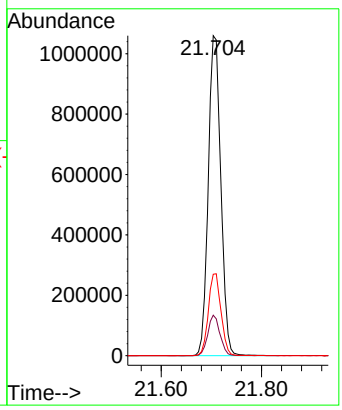


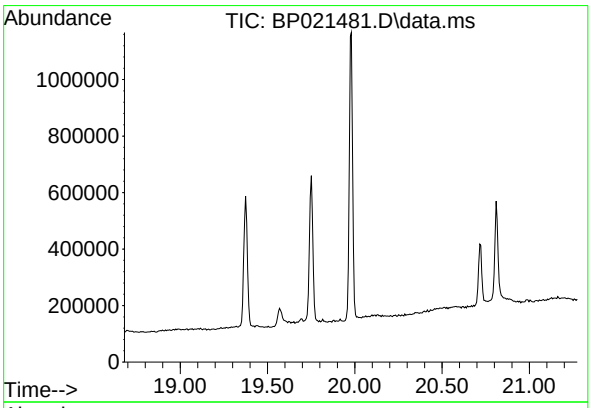
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1845246

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.9	14.9
236	25.4	20.6	30.8



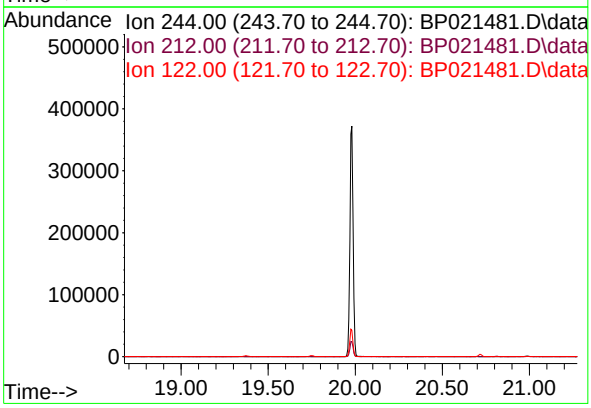


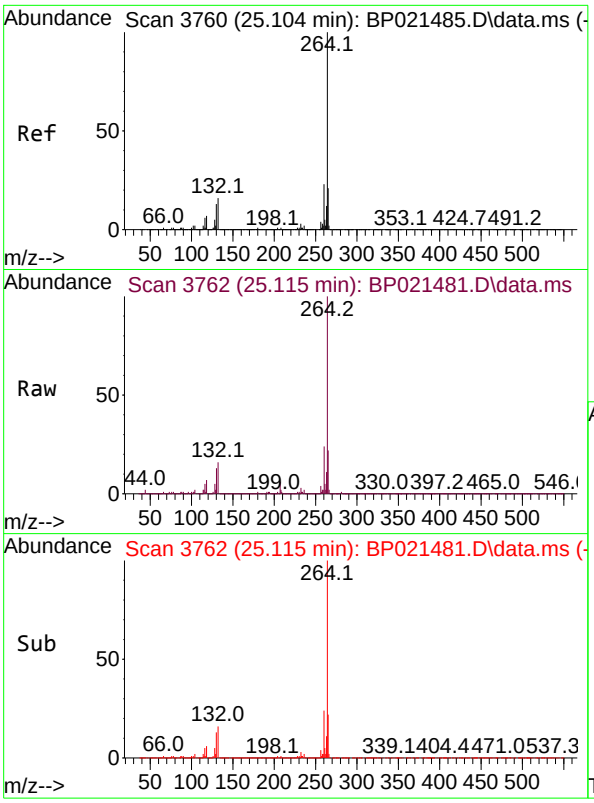
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.8



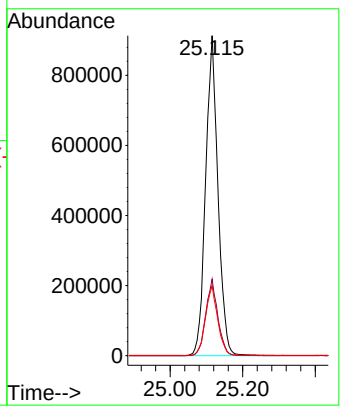


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 2154249

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.8	17.1	25.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	312360	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1334707	20.000	ng		-0.01
39) Acenaphthene-d10	14.451	164	933864	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	2070828	20.000	ng		0.00
76) Chrysene-d12	21.698	240	2040393	20.000	ng		0.00
86) Perylene-d12	25.115	264	2299535	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	208031	9.889	ng		0.00
7) Phenol-d6	6.957	99	296244	9.654	ng		0.00
23) Nitrobenzene-d5	8.946	82	199944	7.732	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	83806	8.063	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	640316	10.464	ng		0.00
79) Terphenyl-d14	19.980	244	1090116	10.379	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	53510	5.365	ng		98
3) Pyridine	3.711	79	136152	4.890	ng		99
4) n-Nitrosodimethylamine	3.616	42	42551	5.084	ng	#	92
6) Aniline	7.128	93	153398	5.000	ng		97
8) 2-Chlorophenol	7.369	128	93591	4.814	ng		99
9) Benzaldehyde	6.946	77	106515	5.421	ng		99
10) Phenol	6.981	94	153713	4.837	ng		98
11) bis(2-Chloroethyl)ether	7.228	93	137203	5.103	ng		99
12) 1,3-Dichlorobenzene	7.699	146	123281	5.339	ng		99
13) 1,4-Dichlorobenzene	7.840	146	122689	5.262	ng		97
14) 1,2-Dichlorobenzene	8.157	146	118950	5.294	ng		99
15) Benzyl Alcohol	8.028	79	101967	4.631	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.334	45	127954	5.167	ng		98
17) 2-Methylphenol	8.228	107	98168	4.887	ng		96
18) Hexachloroethane	8.887	117	46773	5.002	ng		97
19) n-Nitroso-di-n-propyla...	8.599	70	112153	5.291	ng		98
20) 3+4-Methylphenols	8.551	107	124528	4.597	ng		97
22) Acetophenone	8.610	105	212108	5.173	ng	#	98
24) Nitrobenzene	8.987	77	112817	4.017	ng		97
25) Isophorone	9.516	82	315900	5.171	ng		99
26) 2-Nitrophenol	9.698	139	18035	4.396	ng		97
27) 2,4-Dimethylphenol	9.757	122	72762	4.826	ng		99
28) bis(2-Chloroethoxy)met...	9.993	93	192662	5.167	ng		100
29) 2,4-Dichlorophenol	10.228	162	75312	4.228	ng		95
30) 1,2,4-Trichlorobenzene	10.451	180	118446	5.186	ng		95
31) Naphthalene	10.640	128	361804	5.189	ng		99
33) 4-Chloroaniline	10.740	127	131360	5.015	ng		97
34) Hexachlorobutadiene	10.940	225	72436	5.038	ng		97
35) Caprolactam	11.475	113	33090	4.463	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	110736	4.481	ng		97
37) 2-Methylnaphthalene	12.251	142	249268	5.238	ng		98
38) 1-Methylnaphthalene	12.475	142	247615	5.276	ng		100
40) 1,2,4,5-Tetrachloroben...	12.622	216	133916	4.894	ng		99
41) Hexachlorocyclopentadiene	12.616	237	37190	4.288	ng		96
43) 2,4,6-Trichlorophenol	12.857	196	60845	4.003	ng		98
44) 2,4,5-Trichlorophenol	12.928	196	66306	3.926	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.275	154	341430	5.168	ng		99
47) 2-Chloronaphthalene	13.310	162	261761	5.089	ng		99
48) 2-Nitroaniline	13.498	65	34186	7.264	ng		97
49) Acenaphthylene	14.163	152	387614	5.126	ng		99
50) Dimethylphthalate	13.898	163	323804	5.178	ng		99
51) 2,6-Dinitrotoluene	14.010	165	30050	6.169	ng	#	81
52) Acenaphthene	14.516	154	255510	5.150	ng		99
53) 3-Nitroaniline	14.334	138	29621	6.160	ng	#	79
55) Dibenzofuran	14.851	168	405023	5.307	ng		99
57) 2,4-Dinitrotoluene	14.804	165	32636	6.843	ng		90
58) Fluorene	15.516	166	333975	5.326	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.086	232	58426	4.076	ng	#	98
60) Diethylphthalate	15.281	149	328116	5.113	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	173085	5.340	ng		100
62) 4-Nitroaniline	15.510	138	34574	5.481	ng	#	67
63) Azobenzene	15.810	77	419466	5.318	ng		98
66) n-Nitrosodiphenylamine	15.728	169	276698	4.986	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	109250	4.985	ng		97
68) Hexachlorobenzene	16.545	284	132184	5.104	ng		97
69) Atrazine	16.692	200	93767	4.921	ng		99
71) Phenanthrene	17.292	178	512757	5.149	ng		99
72) Anthracene	17.386	178	493987	5.058	ng		99
73) Carbazole	17.669	167	470253	4.996	ng		99
74) Di-n-butylphthalate	18.269	149	542975	4.697	ng		99
75) Fluoranthene	19.380	202	629080	5.148	ng		99
78) Pyrene	19.757	202	654333	4.906	ng		100
80) Butylbenzylphthalate	20.710	149	152079	6.382	ng		95
81) Benzo(a)anthracene	21.680	228	648521	5.063	ng		100
82) 3,3'-Dichlorobenzidine	21.592	252	178137	4.338	ng		98
83) Chrysene	21.745	228	618621	5.115	ng		99
84) Bis(2-ethylhexyl)phtha...	21.651	149	309738	4.091	ng		100
87) Indeno(1,2,3-cd)pyrene	28.962	276	715393m	4.800	ng		
88) Benzo(b)fluoranthene	24.015	252	636027	4.816	ng		99
89) Benzo(k)fluoranthene	24.092	252	640982	4.975	ng		99
90) Benzo(a)pyrene	24.939	252	548144	4.783	ng		100
91) Dibenzo(a,h)anthracene	29.068	278	594702	4.802	ng		98
92) Benzo(g,h,i)perylene	30.162	276	604771	4.872	ng		96

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

ICAL Form

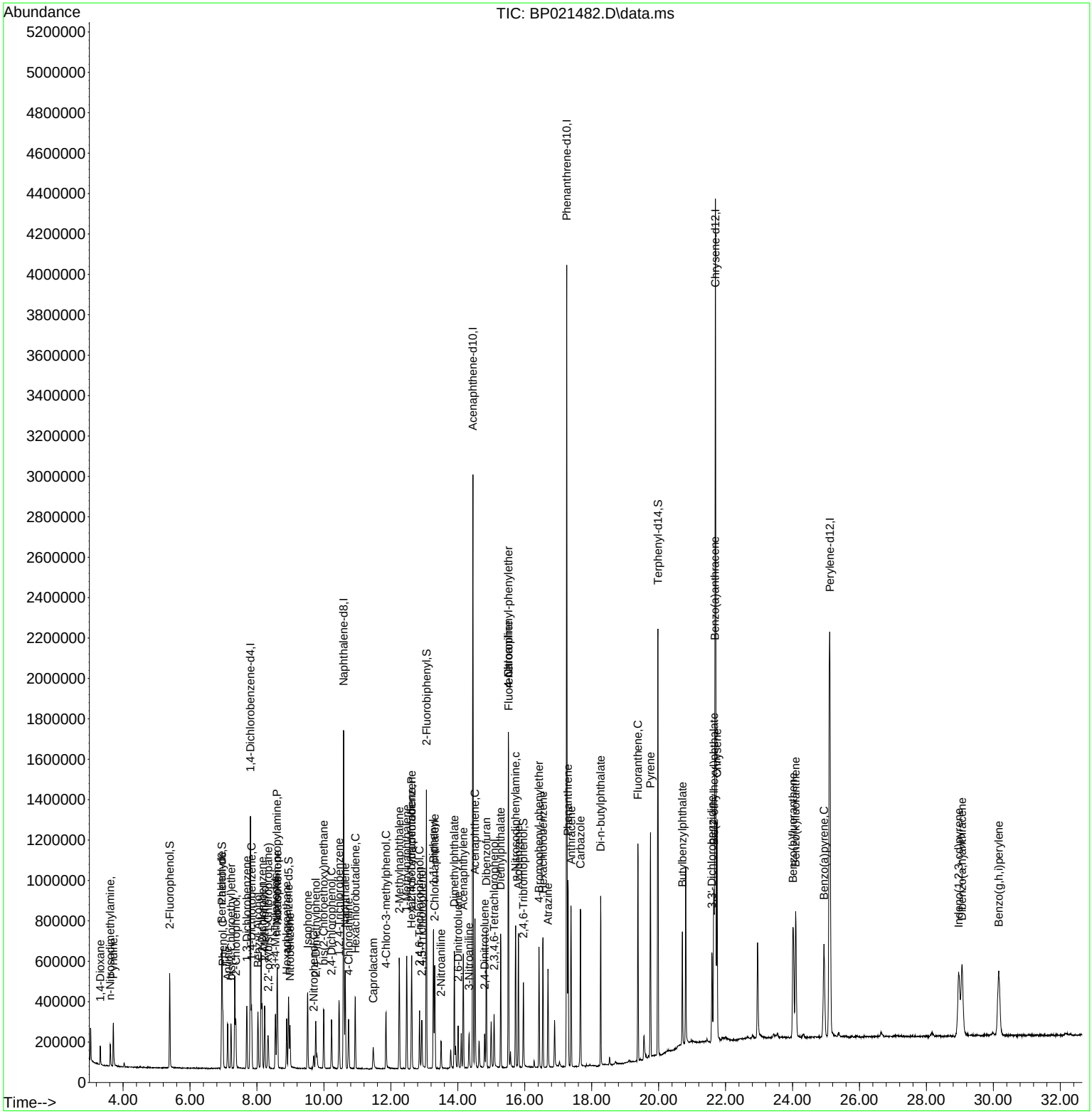
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

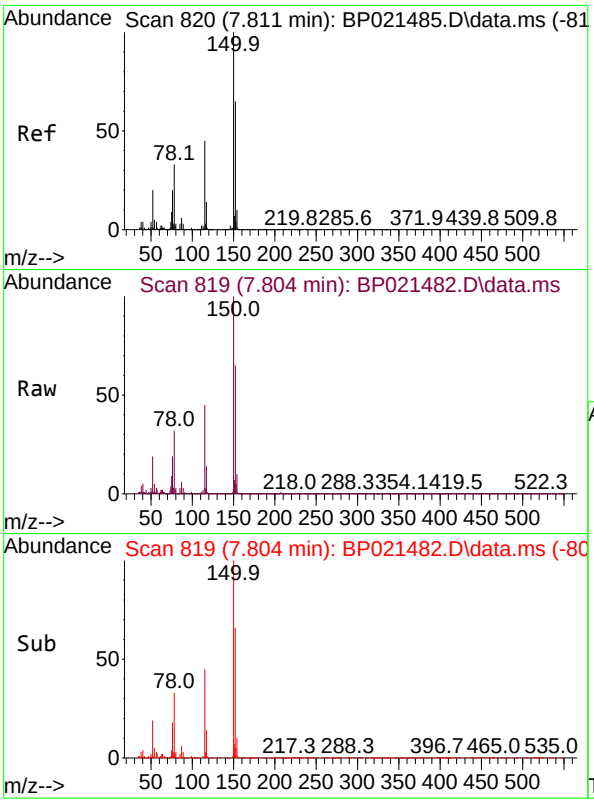
Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

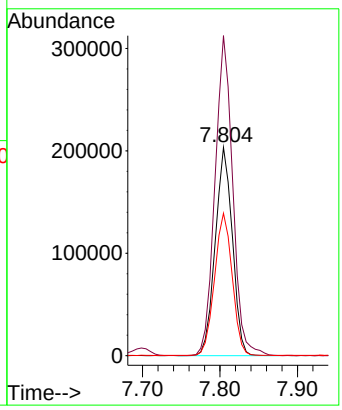




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 31236

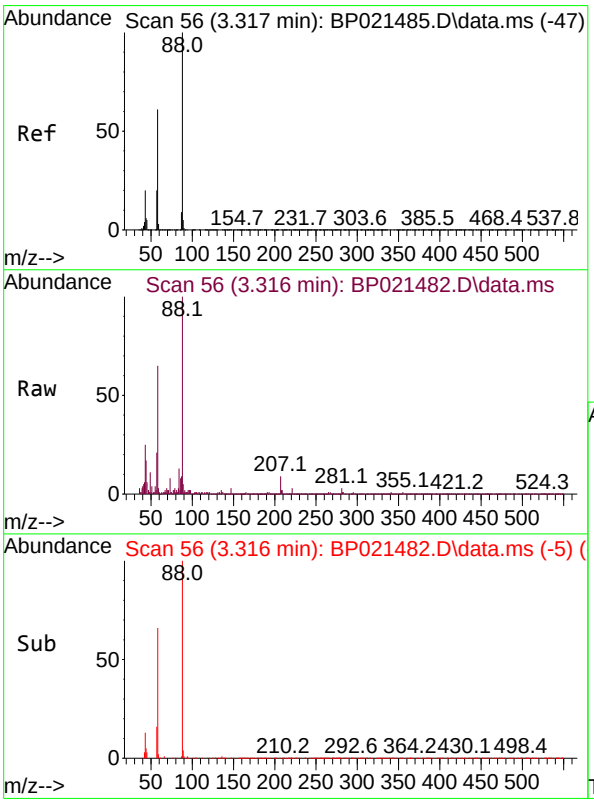
Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

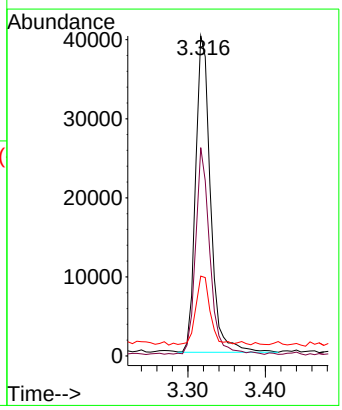
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

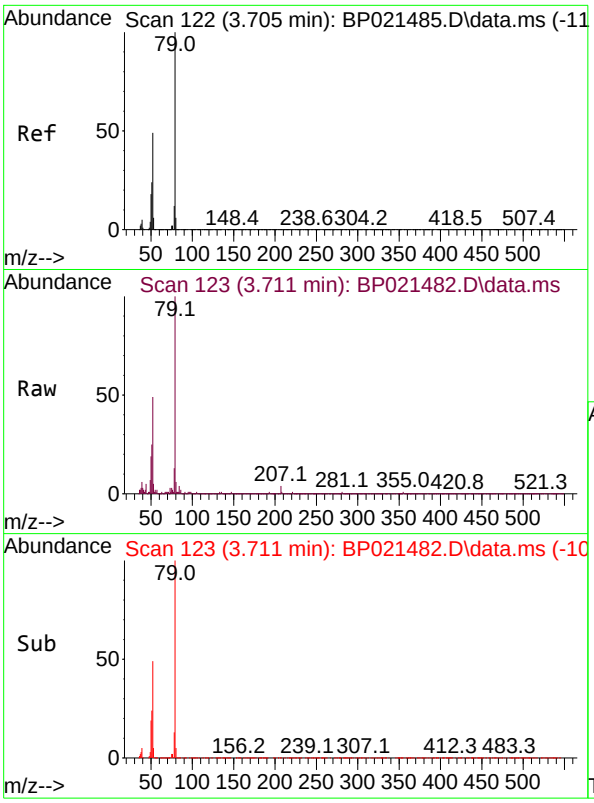


#2
1,4-Dioxane
Concen: 5.365 ng
RT: 3.316 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 88 Resp: 53510

Ion	Ratio	Lower	Upper
88	100		
58	62.2	48.7	73.1
43	20.5	15.4	23.2

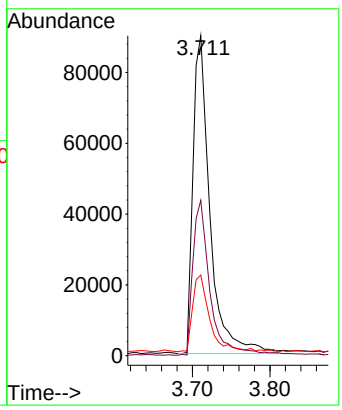




#3
Pyridine
Concen: 4.890 ng
RT: 3.711 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 79 Resp: 13615

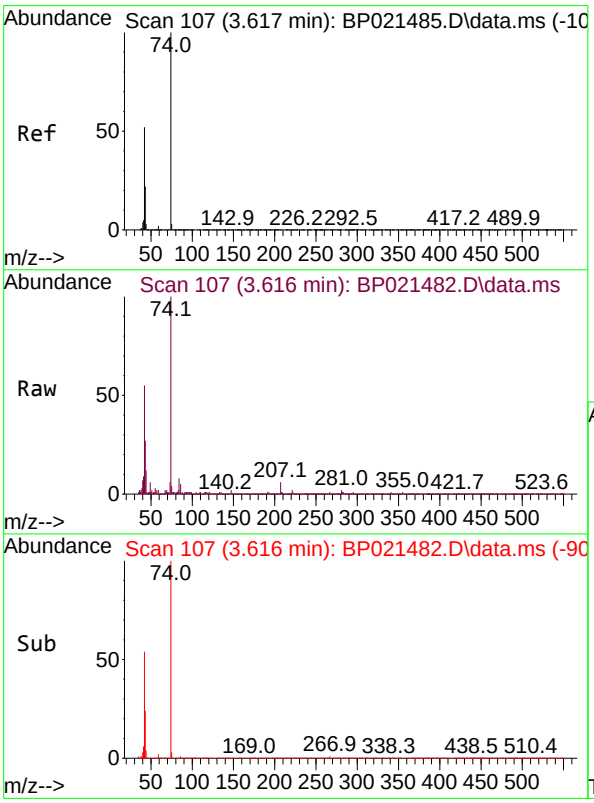
Ion	Ratio	Lower	Upper
79	100		
52	48.5	39.0	58.6
51	25.2	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

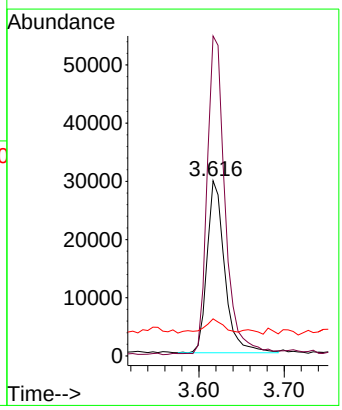
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

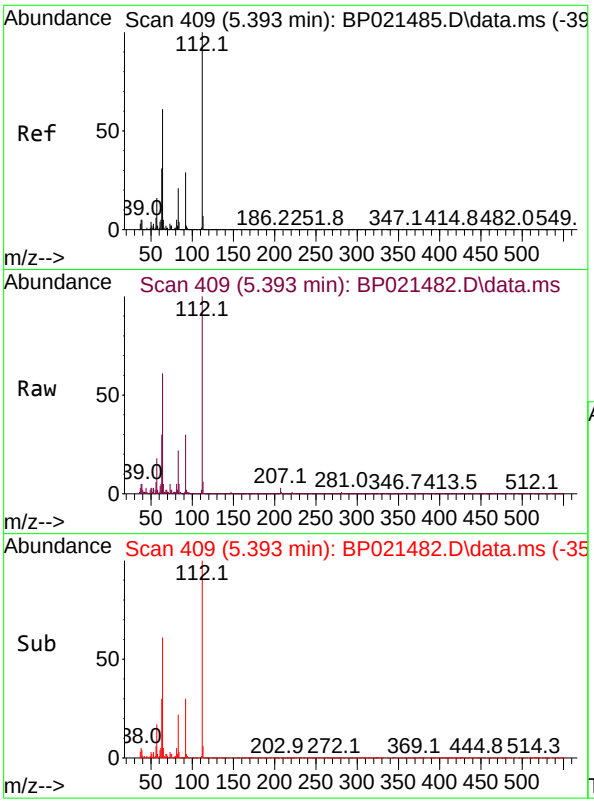


#4
n-Nitrosodimethylamine
Concen: 5.084 ng
RT: 3.616 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 42 Resp: 42551

Ion	Ratio	Lower	Upper
42	100		
74	182.7	154.3	231.5
44	21.2	6.2	9.4#

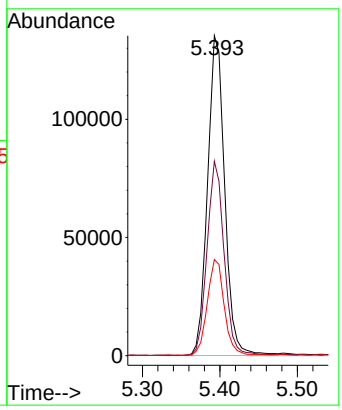




#5
2-Fluorophenol
Concen: 9.889 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:112 Resp: 20803

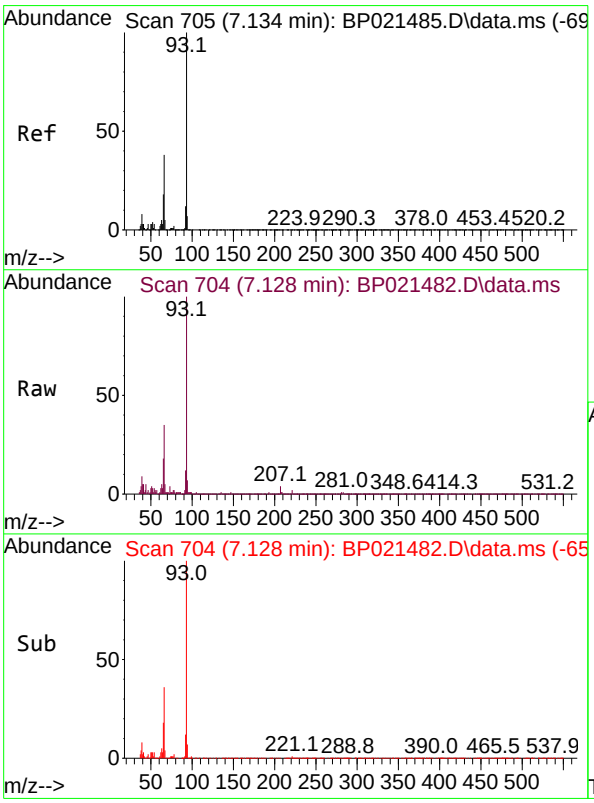
Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.0	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

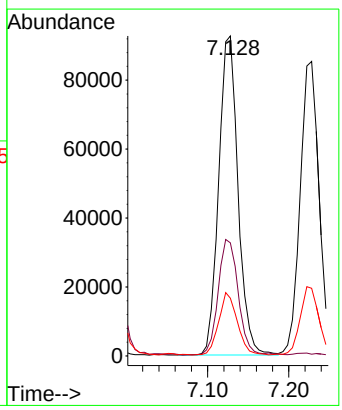
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

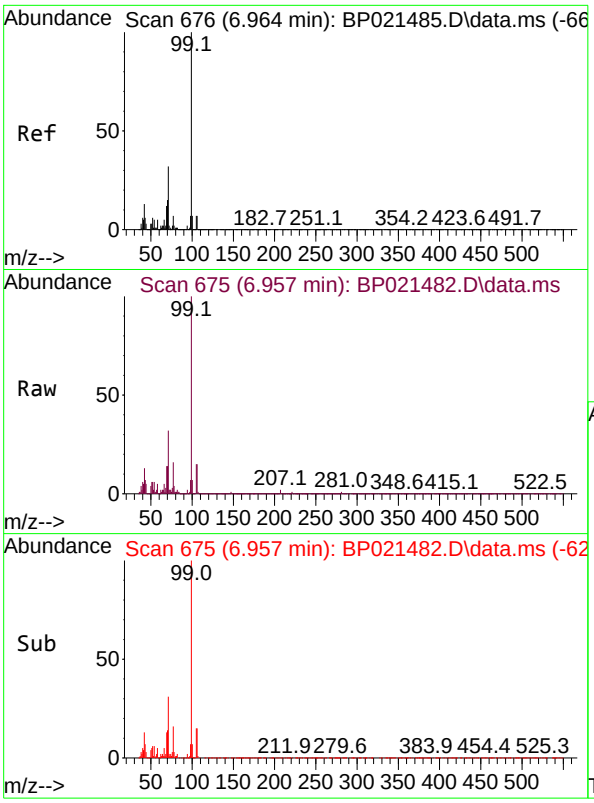


#6
Aniline
Concen: 5.000 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 153398

Ion	Ratio	Lower	Upper
93	100		
66	35.4	30.2	45.2
65	18.0	14.7	22.1

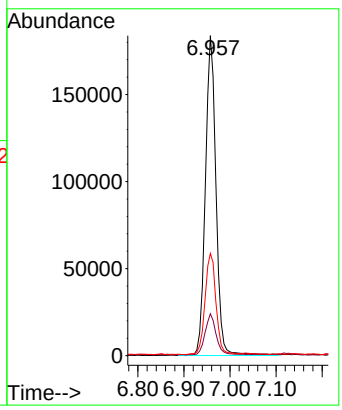




#7
Phenol-d6
Concen: 9.654 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 99 Resp: 29624

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.0	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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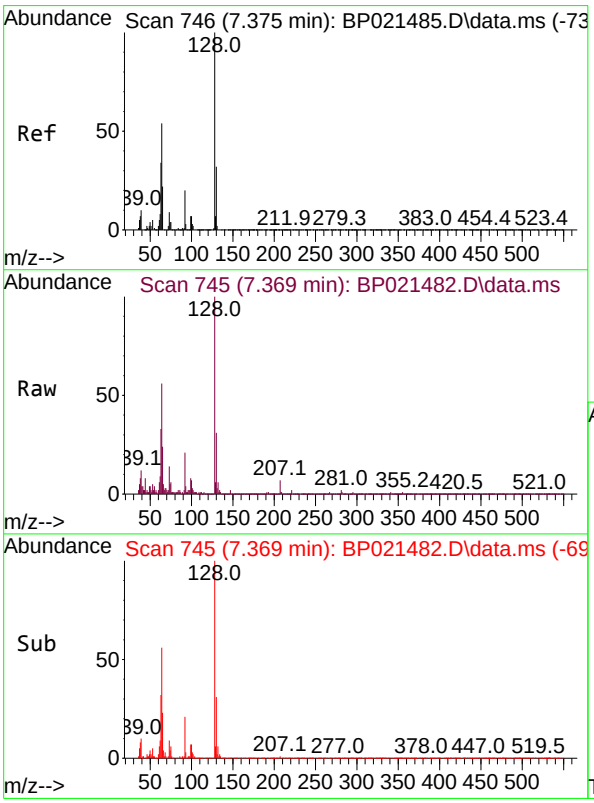
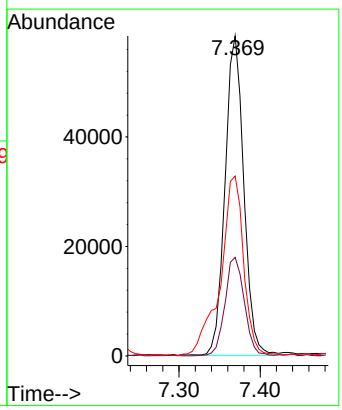
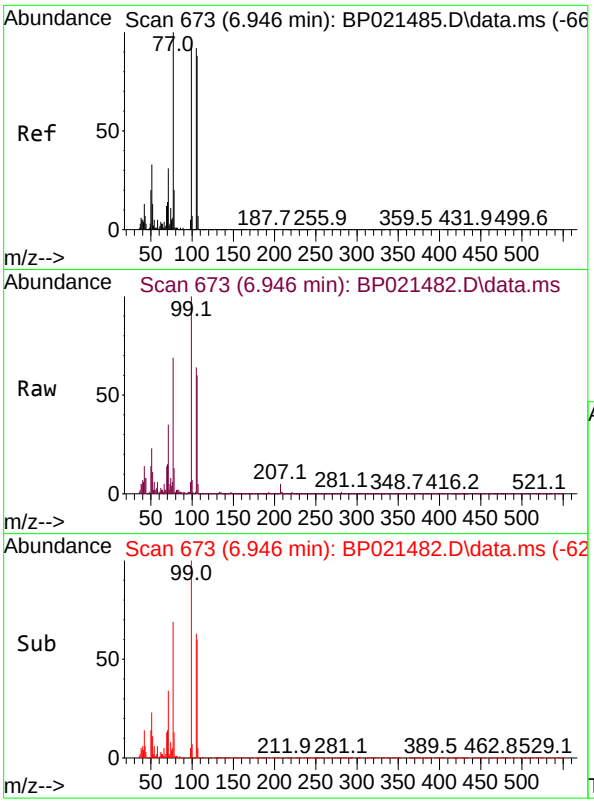


#8
2-Chlorophenol
Concen: 4.814 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 93591

Ion	Ratio	Lower	Upper
128	100		
130	30.8	11.6	51.6
64	56.2	35.3	75.3

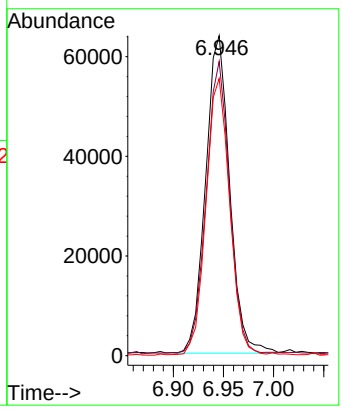




#9
Benzaldehyde
Concen: 5.421 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 10651

Ion	Ratio	Lower	Upper
77	100		
105	91.9	72.1	112.1
106	86.6	67.9	107.9



Instrument :
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ClientSampleId :
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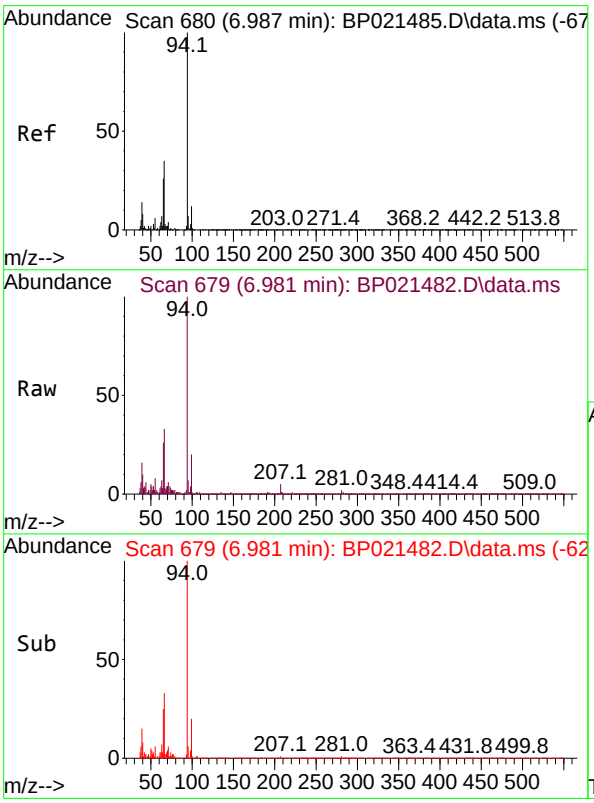
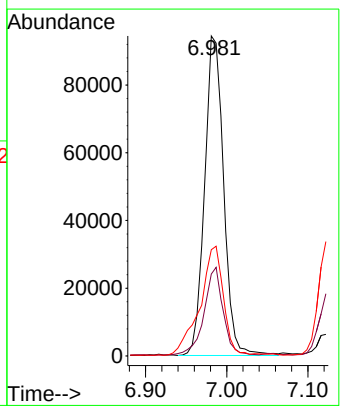
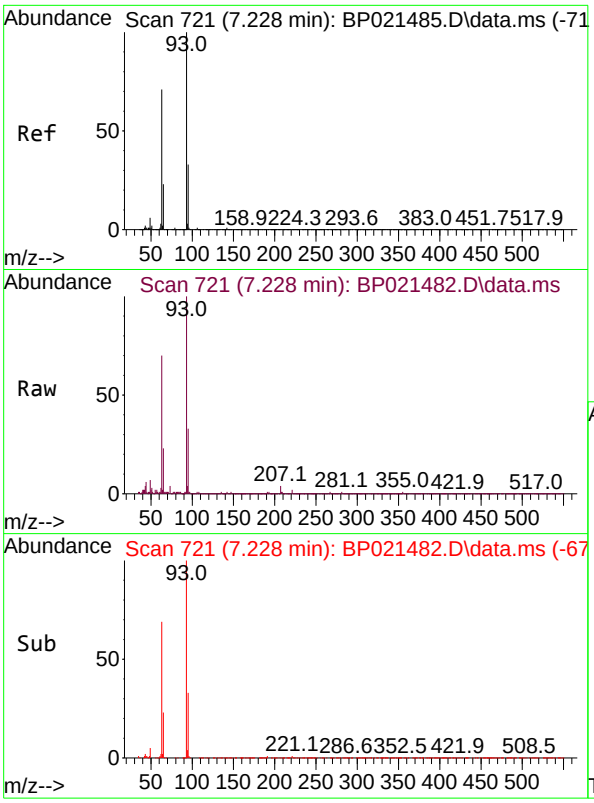


#10
Phenol
Concen: 4.837 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 94 Resp: 153713

Ion	Ratio	Lower	Upper
94	100		
65	25.6	6.5	46.5
66	33.2	14.7	54.7

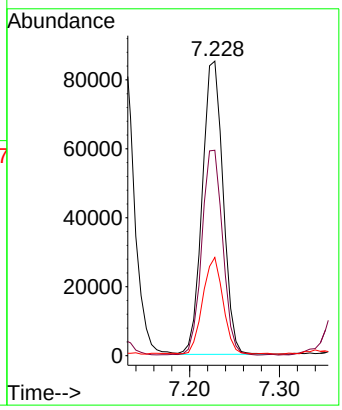




#11
bis(2-Chloroethyl)ether
Concen: 5.103 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 13720

Ion	Ratio	Lower	Upper
93	100		
63	69.8	51.0	91.0
95	33.4	12.9	52.9



Instrument :
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ClientSampleId :
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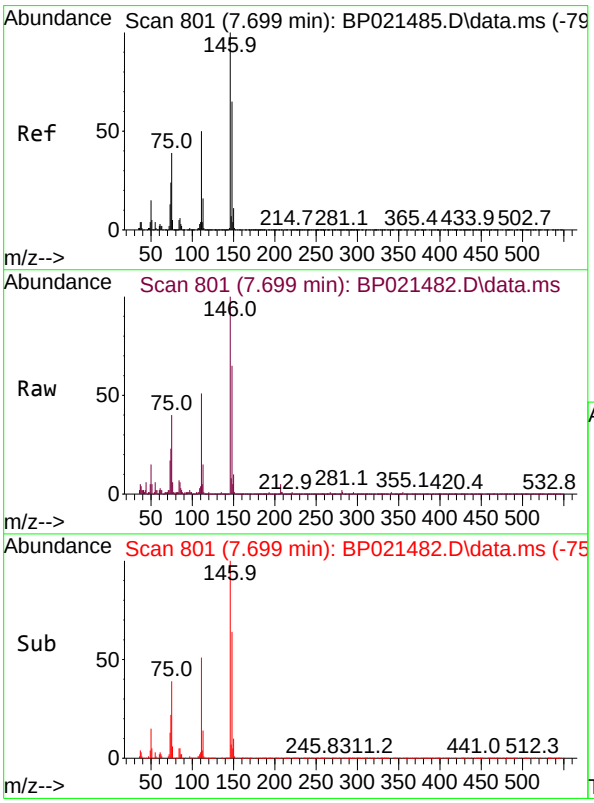
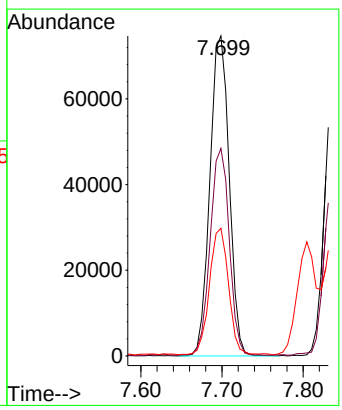
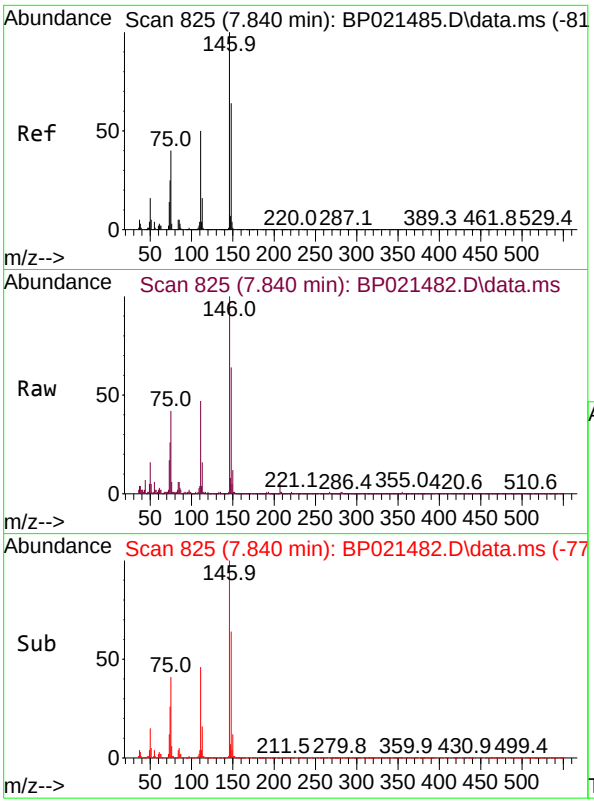


#12
1,3-Dichlorobenzene
Concen: 5.339 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 123281

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	39.9	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 5.262 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 12268

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.5	77.3
111	46.8	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
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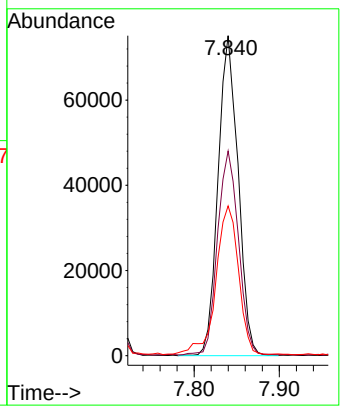
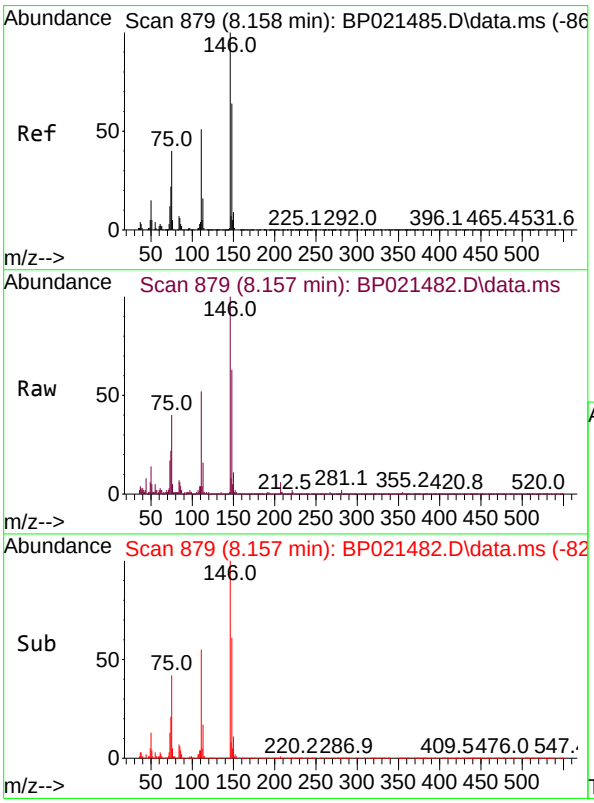
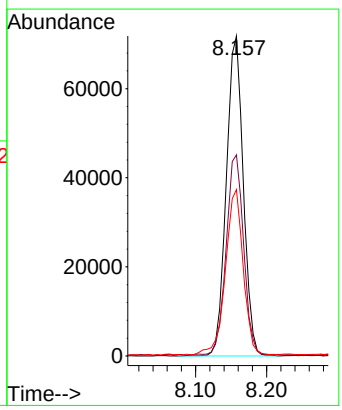


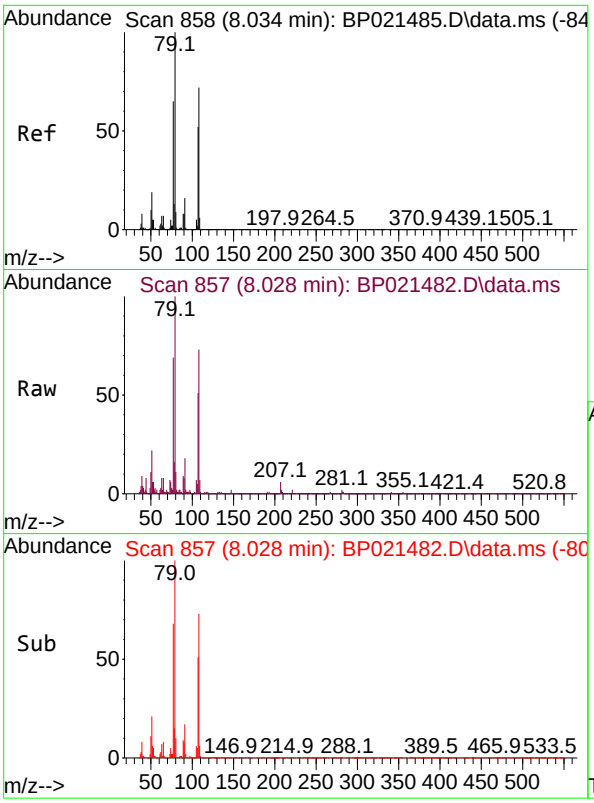


#14
1,2-Dichlorobenzene
Concen: 5.294 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 118950

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.5	77.3
111	52.0	41.1	61.7





#15
Benzyl Alcohol
Concen: 4.631 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 79 Resp: 10196

Ion	Ratio	Lower	Upper
79	100		
108	72.8	57.9	86.9
77	68.6	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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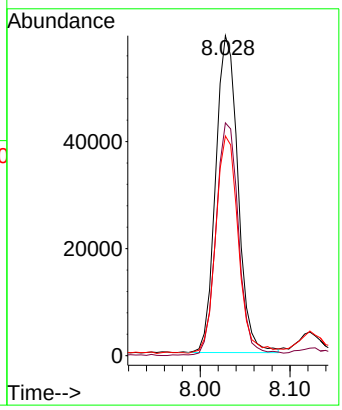
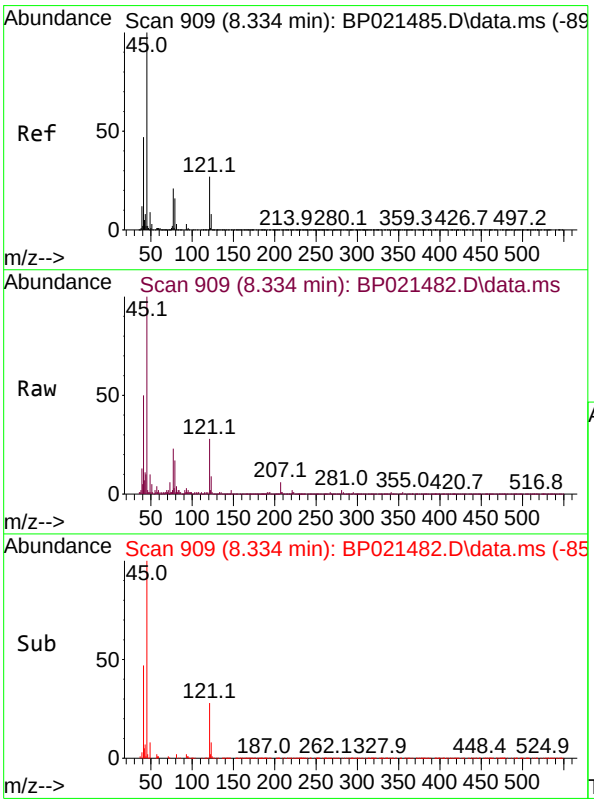
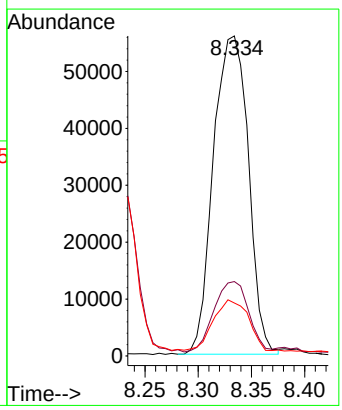


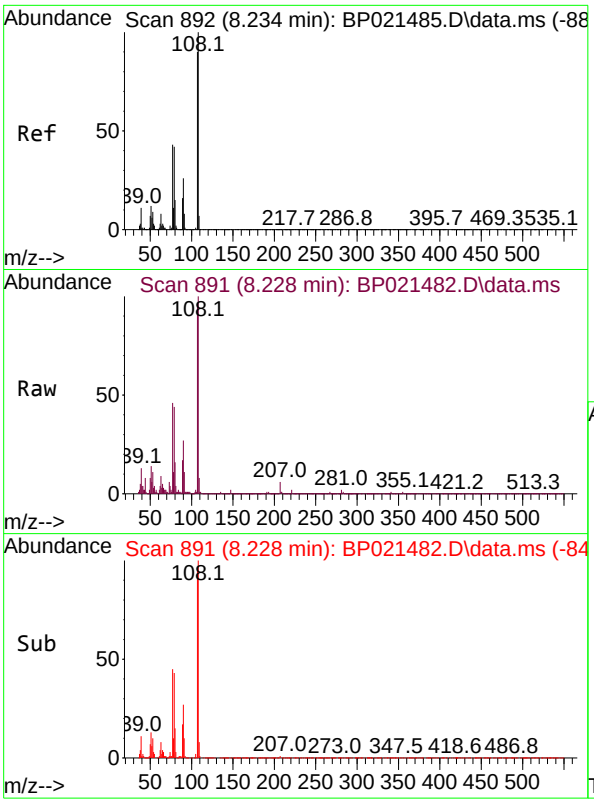


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.167 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 45 Resp: 127954

Ion	Ratio	Lower	Upper
45	100		
77	23.2	1.9	41.9
79	16.6	0.0	36.6

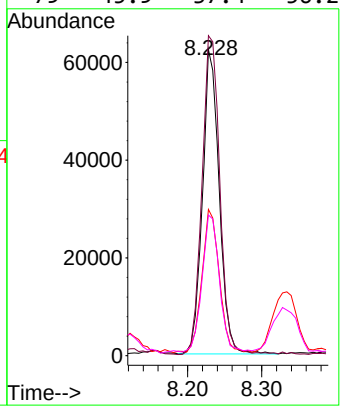




#17
2-Methylphenol
Concen: 4.887 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 9816

Ion	Ratio	Lower	Upper
107	100		
108	104.6	88.8	133.2
77	47.8	38.7	58.1
79	45.9	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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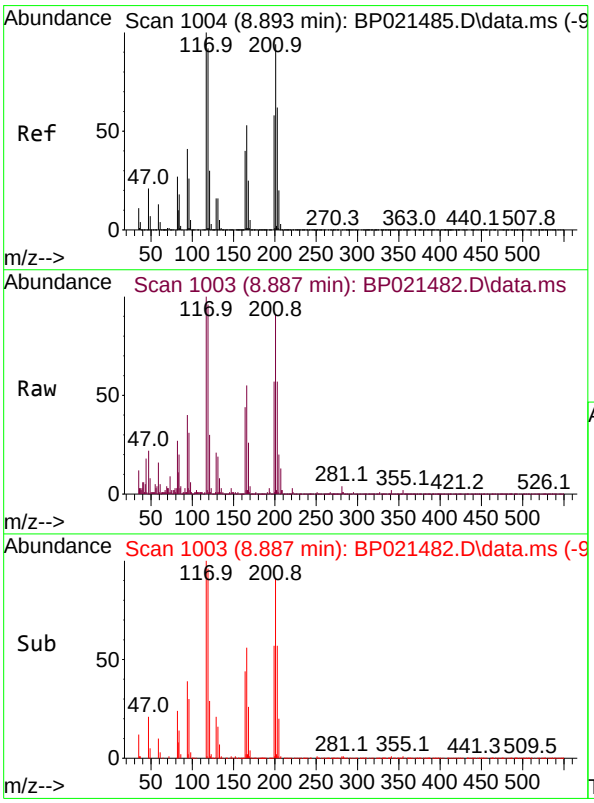
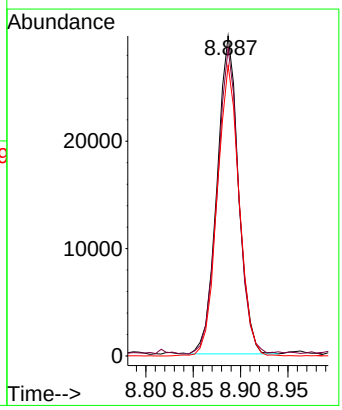
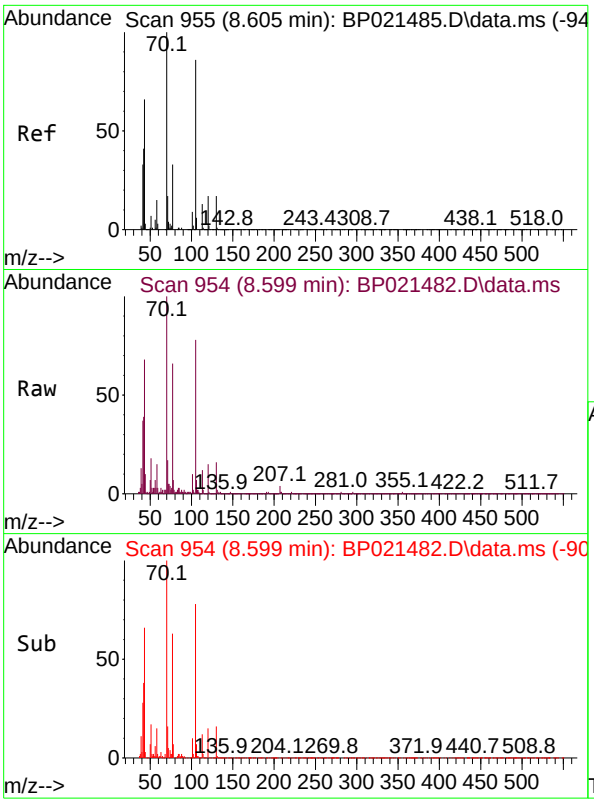


#18
Hexachloroethane
Concen: 5.002 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:117 Resp: 46773

Ion	Ratio	Lower	Upper
117	100		
119	96.2	73.9	110.9
201	90.9	74.9	112.3

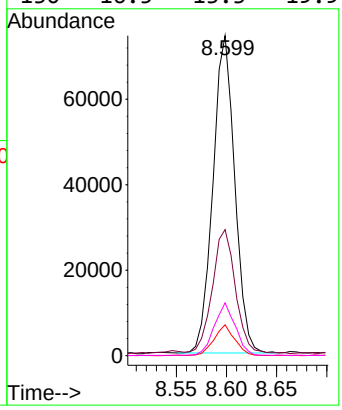




#19
n-Nitroso-di-n-propylamine
Concen: 5.291 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 70 Resp: 11215

Ion	Ratio	Lower	Upper
70	100		
42	39.4	33.1	49.7
101	9.6	7.4	11.2
130	16.5	13.3	19.9



Instrument :
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ClientSampleId :
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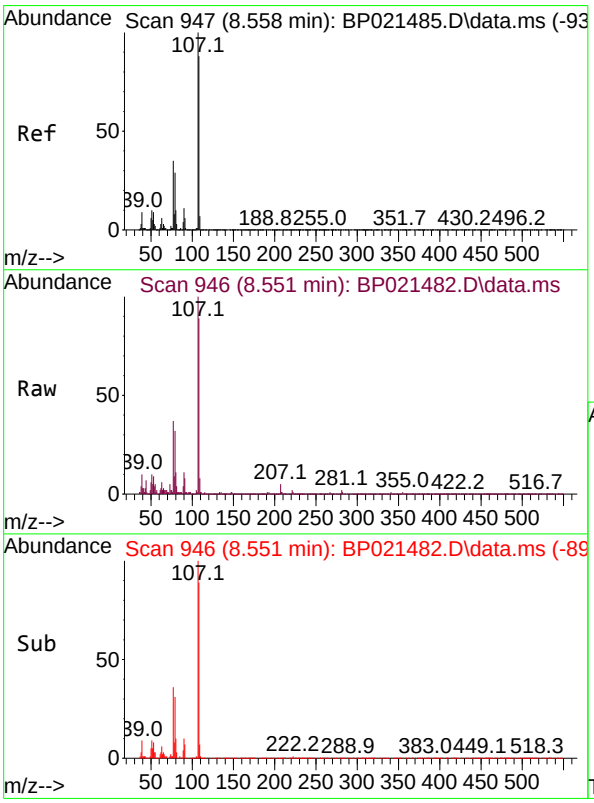
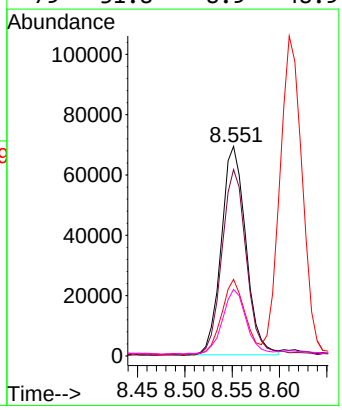
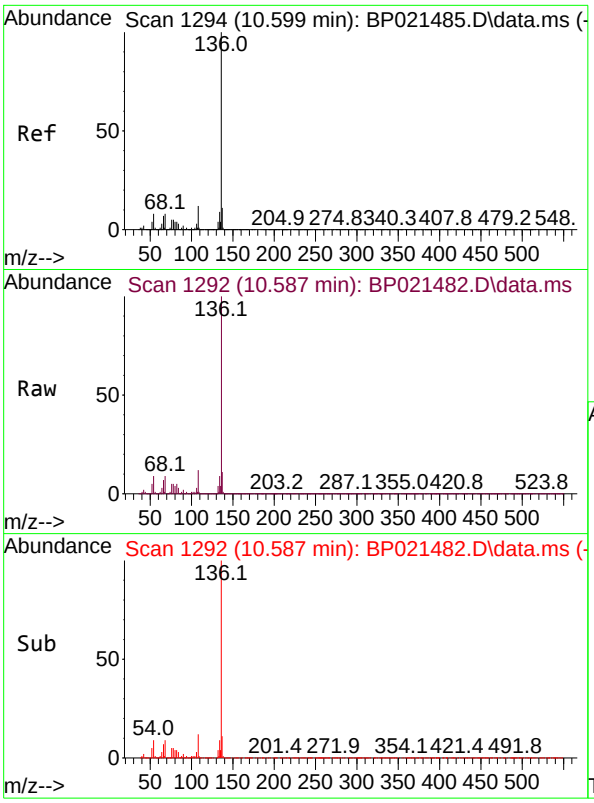


#20
3+4-Methylphenols
Concen: 4.597 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 124528

Ion	Ratio	Lower	Upper
107	100		
108	89.0	67.6	107.6
77	36.6	15.0	55.0
79	31.8	8.9	48.9

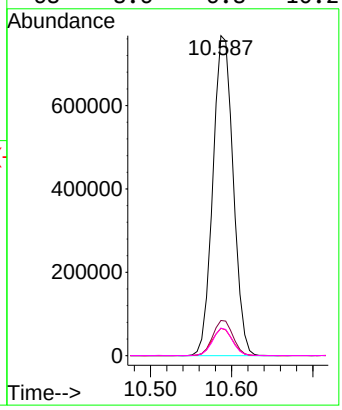




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:136 Resp: 133470

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.3	9.5
68	8.6	6.8	10.2



Instrument :
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ClientSampleId :
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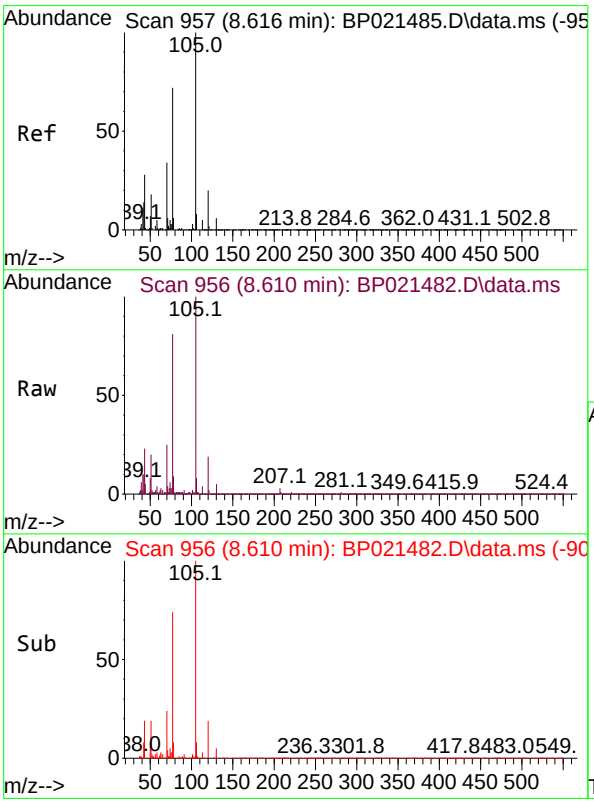
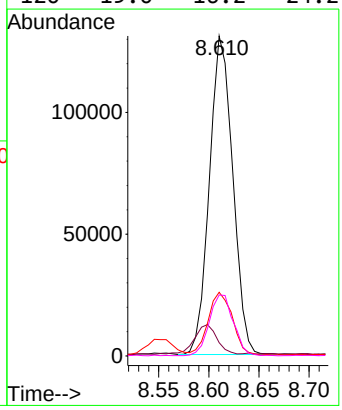
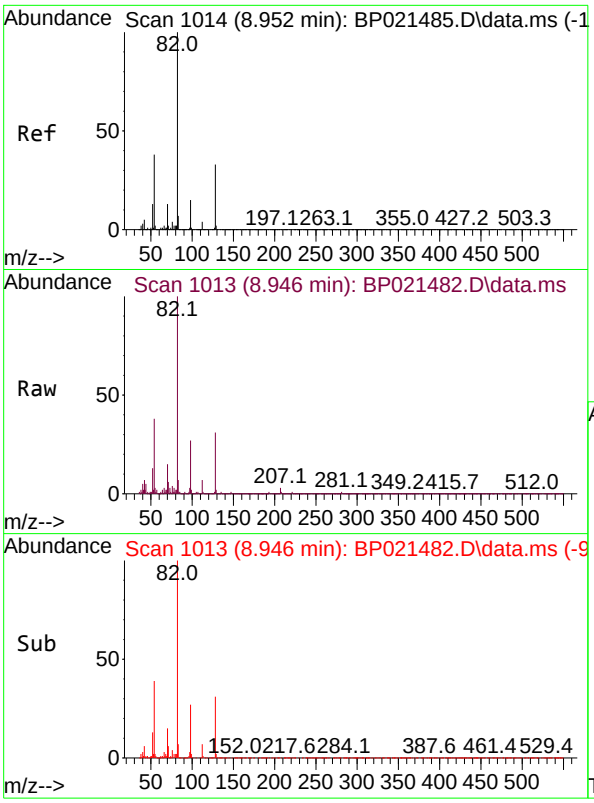


#22
Acetophenone
Concen: 5.173 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:105 Resp: 212108

Ion	Ratio	Lower	Upper
105	100		
71	4.2	4.6	7.0#
51	19.9	16.3	24.5
120	19.0	16.2	24.2

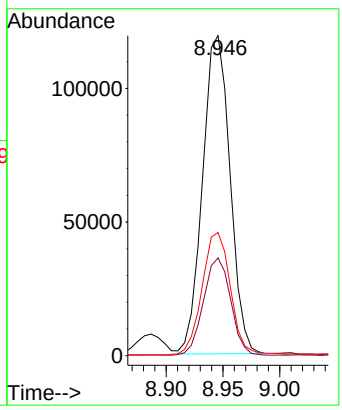




#23
Nitrobenzene-d5
Concen: 7.732 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 19994

Ion	Ratio	Lower	Upper
82	100		
128	30.5	26.5	39.7
54	38.5	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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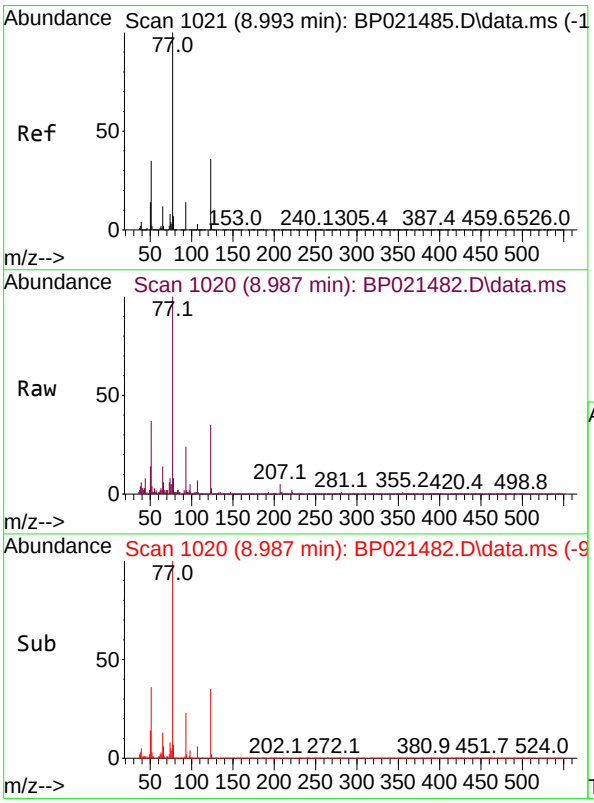
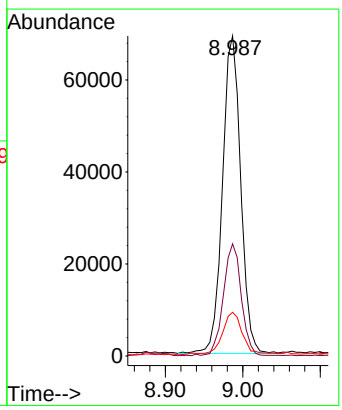
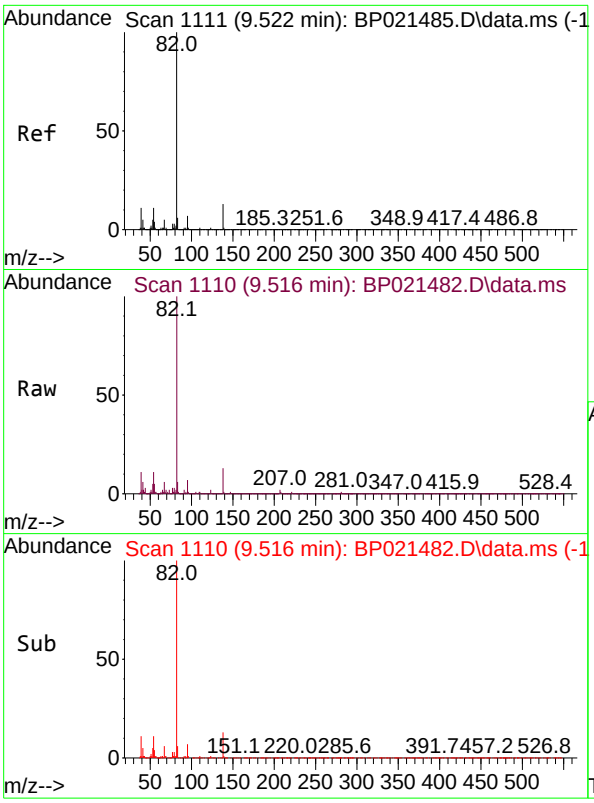


#24
Nitrobenzene
Concen: 4.017 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 112817

Ion	Ratio	Lower	Upper
77	100		
123	35.0	29.5	44.3
65	13.6	9.9	14.9

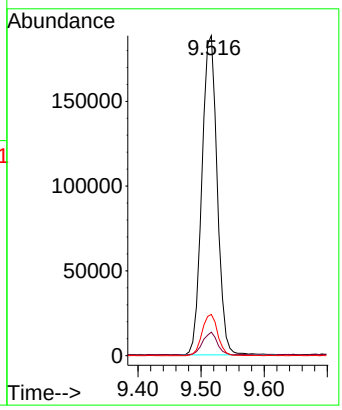




#25
Isophorone
Concen: 5.171 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 31590

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.4	8.2
138	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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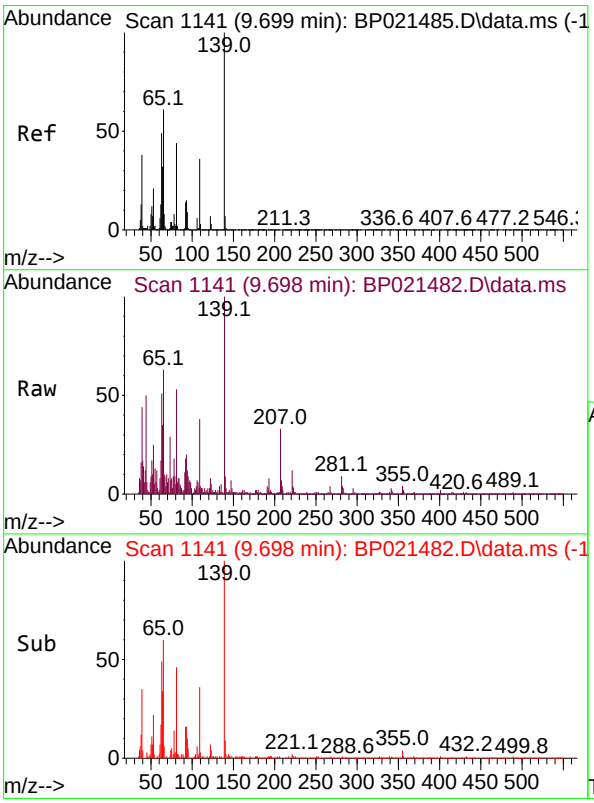
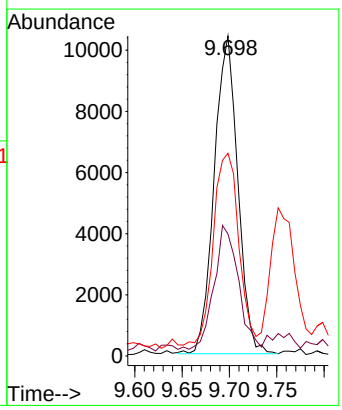
Supervised By :mohammad ahmed 08/14/2024

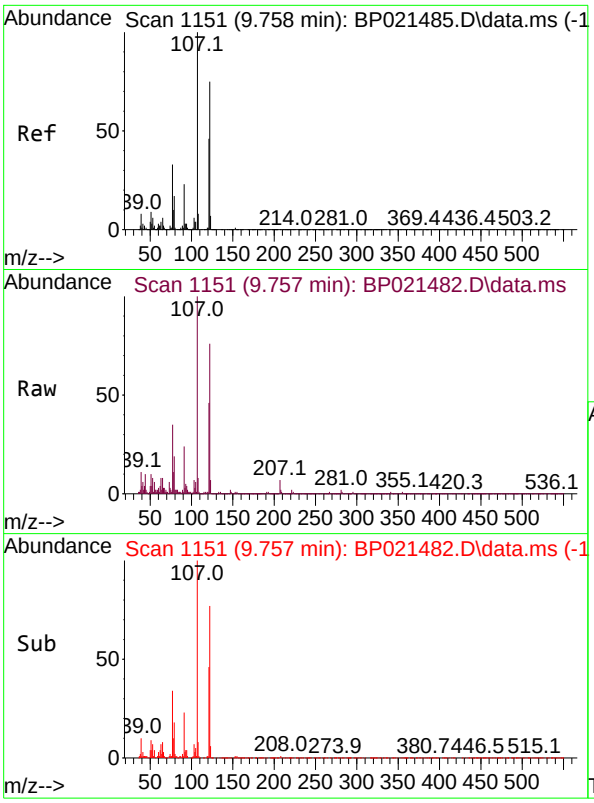


#26
2-Nitrophenol
Concen: 4.396 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.001 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:139 Resp: 18035

Ion	Ratio	Lower	Upper
139	100		
109	38.1	28.9	43.3
65	63.3	49.0	73.6

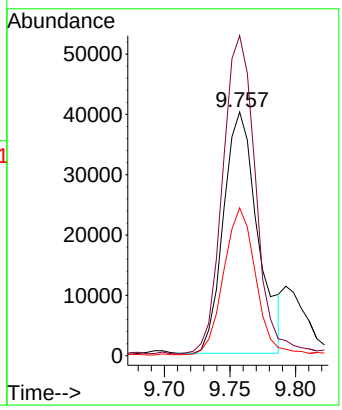




#27
2,4-Dimethylphenol
Concen: 4.826 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:122 Resp: 7276

Ion	Ratio	Lower	Upper
122	100		
107	131.3	106.2	159.4
121	60.7	48.8	73.2



Instrument :
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ClientSampleId :
SSTDICC005

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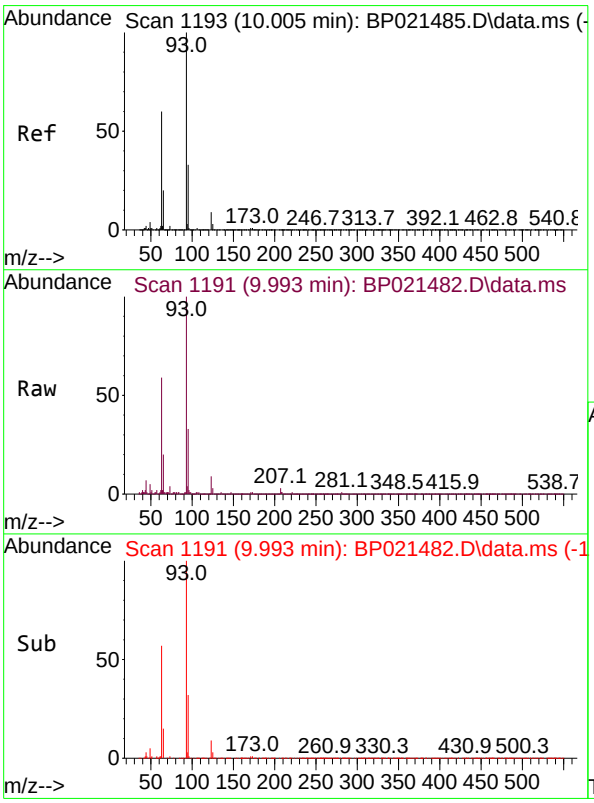
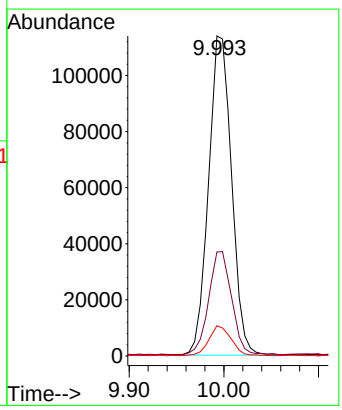
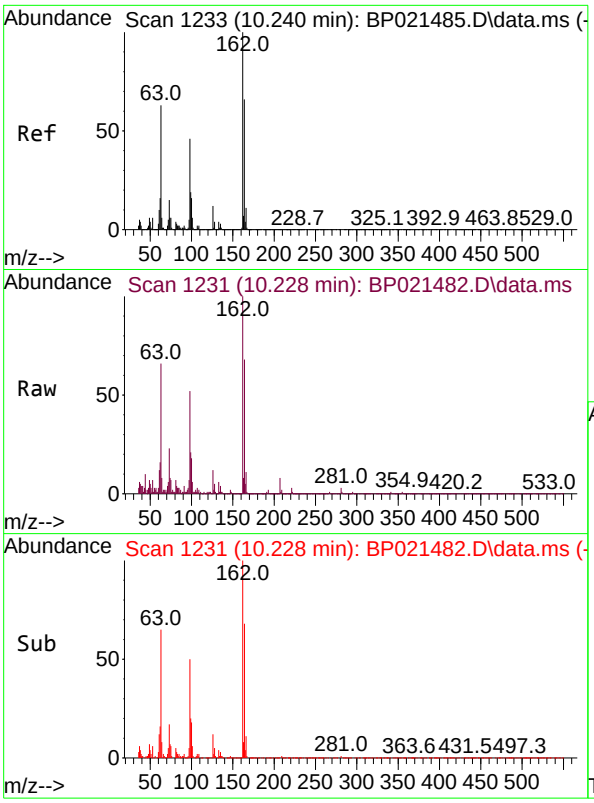


#28
bis(2-Chloroethoxy)methane
Concen: 5.167 ng
RT: 9.993 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 192662

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 4.228 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:162 Resp: 7531

Ion	Ratio	Lower	Upper
162	100		
164	67.8	45.9	85.9
98	51.7	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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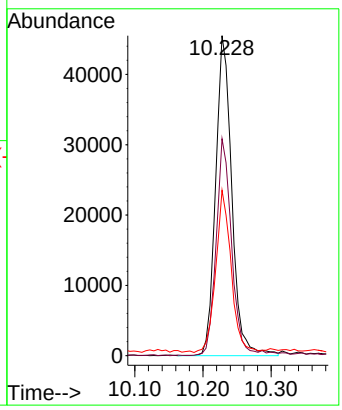
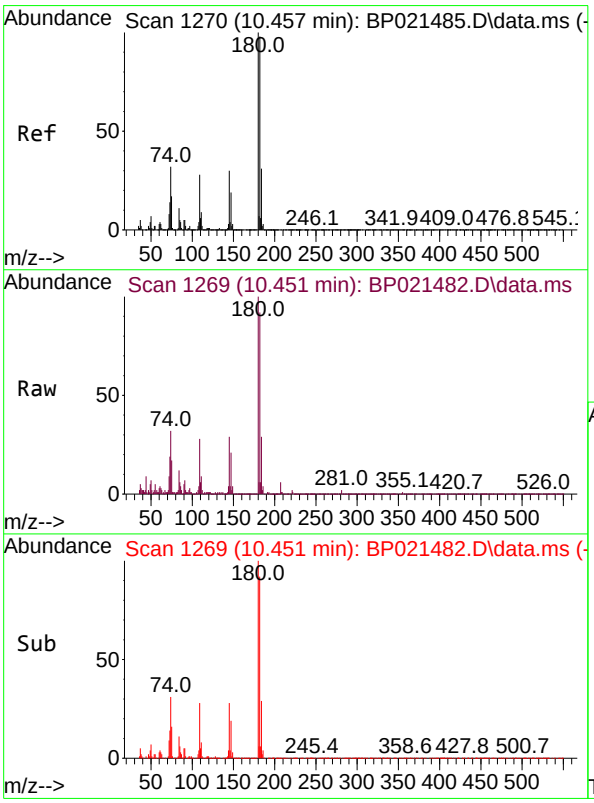
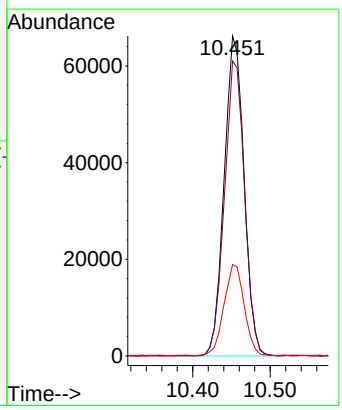


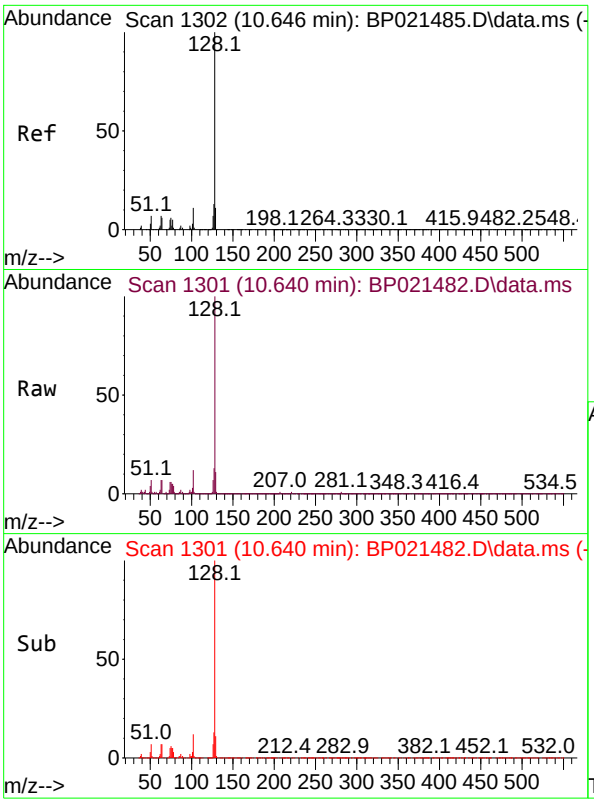


#30
1,2,4-Trichlorobenzene
Concen: 5.186 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:180 Resp: 118446

Ion	Ratio	Lower	Upper
180	100		
182	92.2	78.3	117.5
145	28.6	24.0	36.0

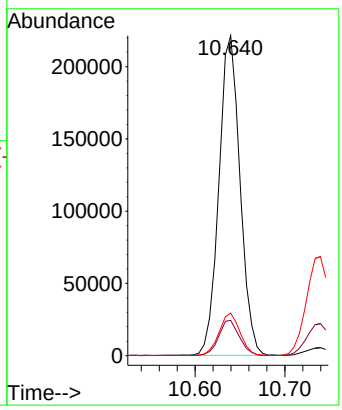




#31
Naphthalene
Concen: 5.189 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 36180

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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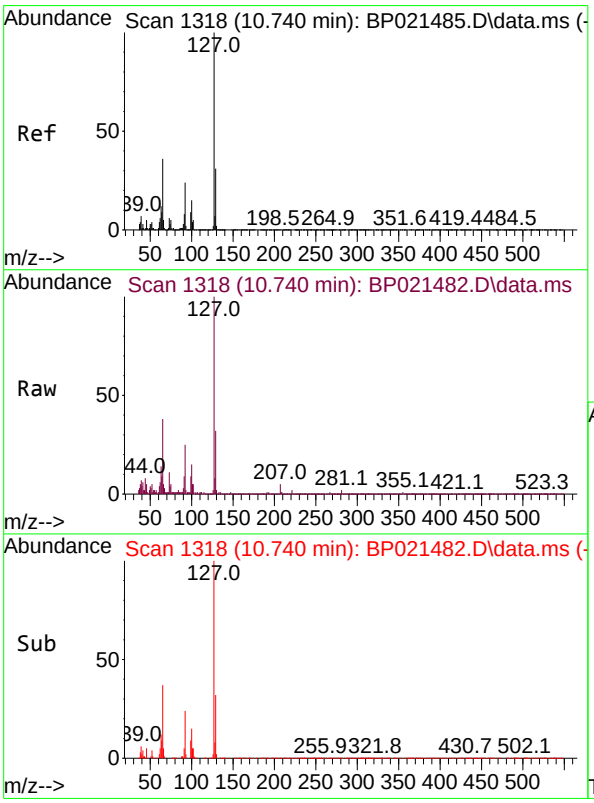
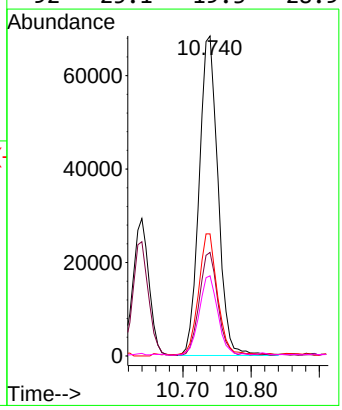
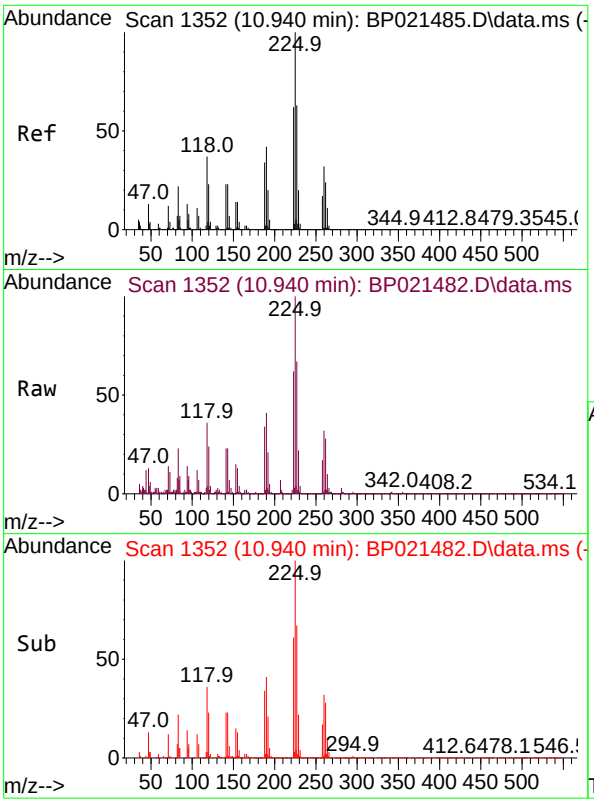


#33
4-Chloroaniline
Concen: 5.015 ng
RT: 10.740 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:127 Resp: 131360

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.5	36.7
65	38.1	28.9	43.3
92	25.1	19.3	28.9

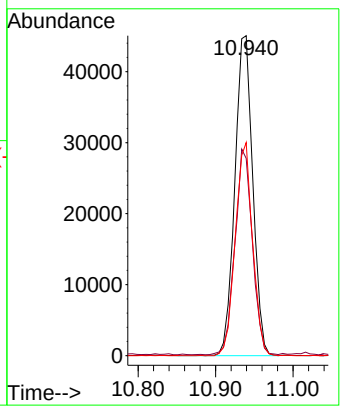




#34
Hexachlorobutadiene
Concen: 5.038 ng
RT: 10.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:225 Resp: 7243

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.6	74.4
227	66.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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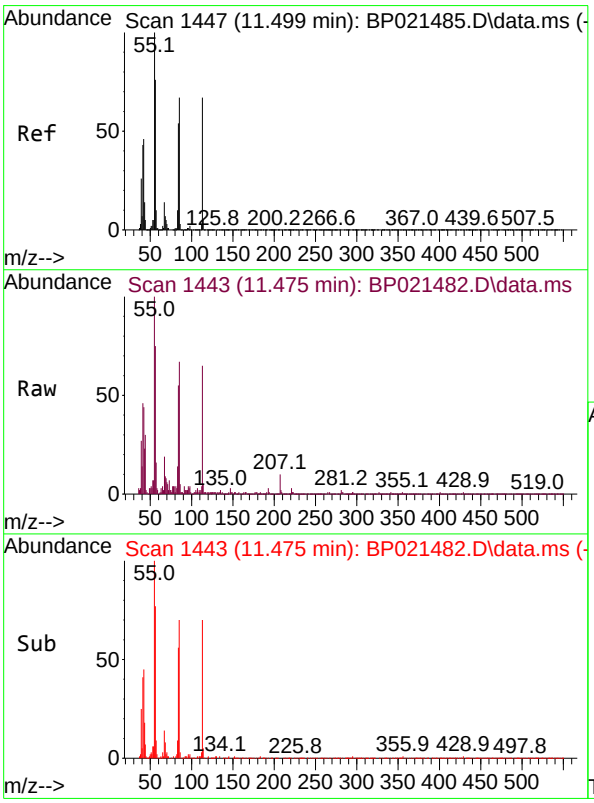
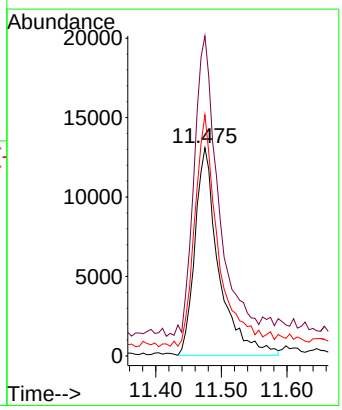
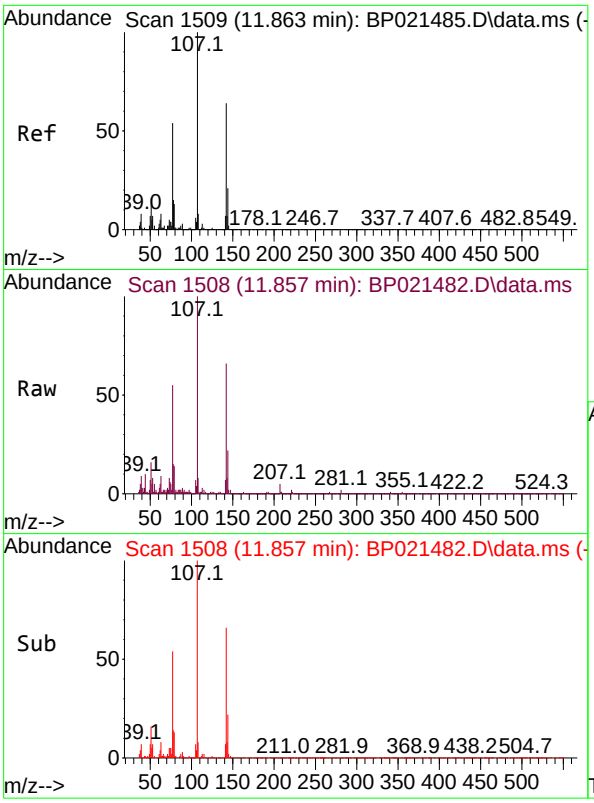


#35
Caprolactam
Concen: 4.463 ng
RT: 11.475 min Scan# 1443
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:113 Resp: 33090

Ion	Ratio	Lower	Upper
113	100		
55	153.8	130.6	170.6
56	115.8	94.6	134.6





#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 11.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 11073

Ion	Ratio	Lower	Upper
107	100		
144	21.7	16.6	24.8
142	66.1	51.0	76.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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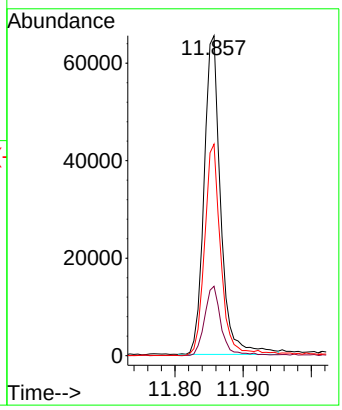
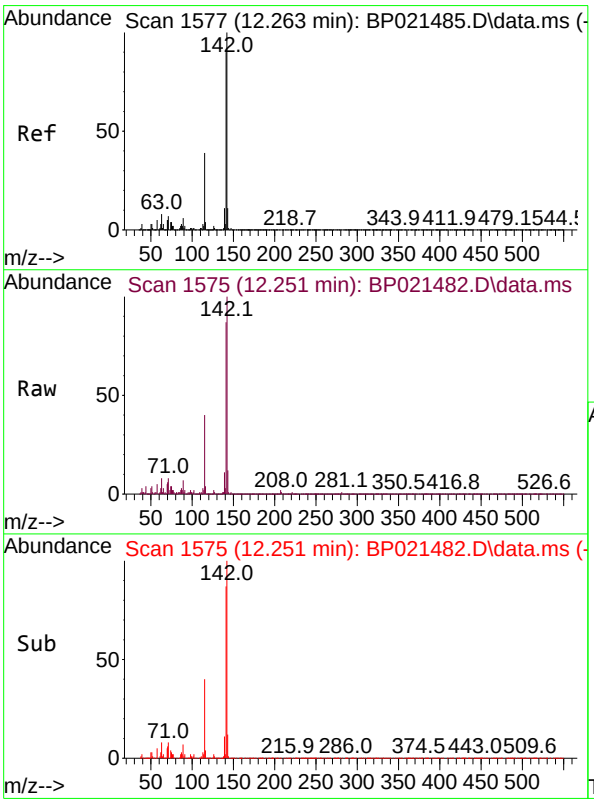
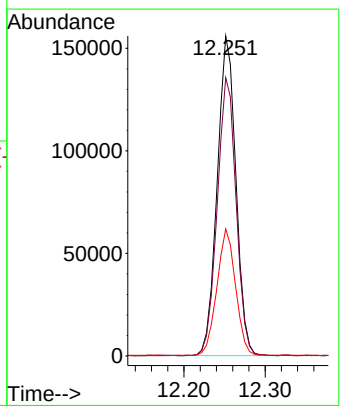


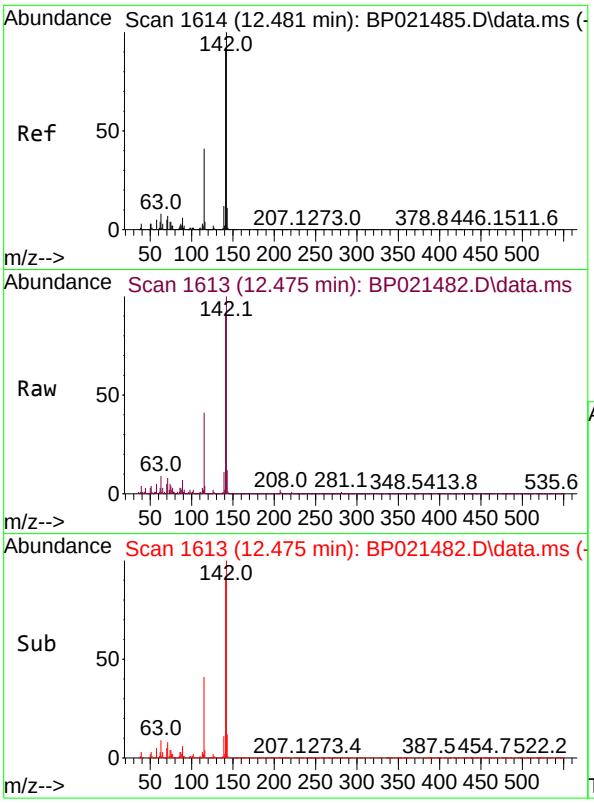


#37
2-Methylnaphthalene
Concen: 5.238 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 249268

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.7	107.5
115	39.7	31.4	47.2

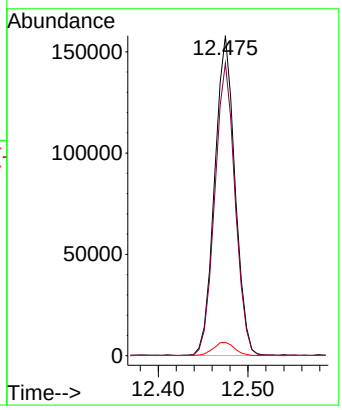




#38
1-Methylnaphthalene
Concen: 5.276 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 24761

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2



Instrument :
BNA_P
ClientSampleId :
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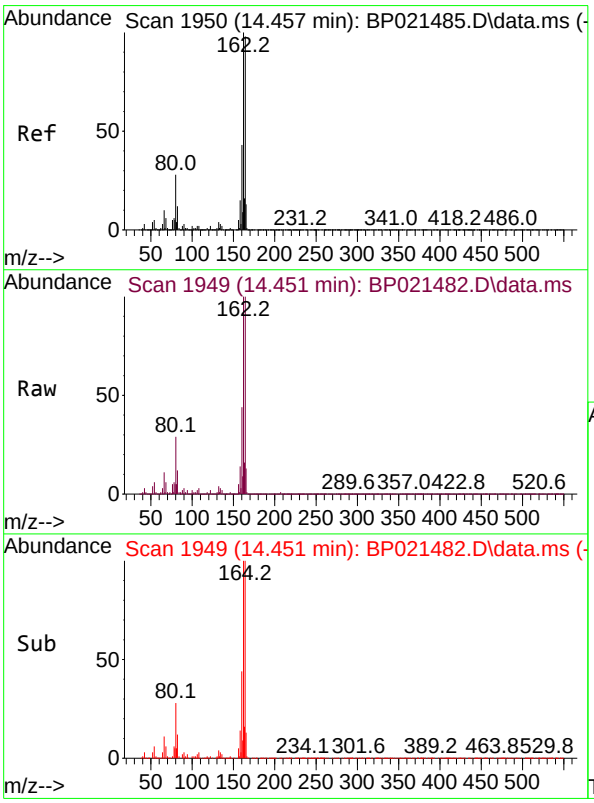
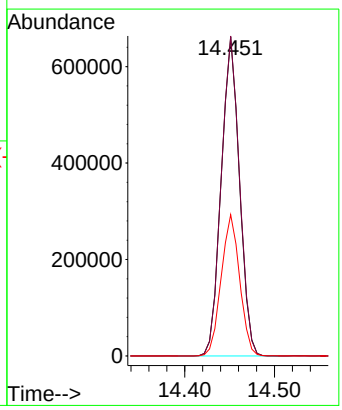
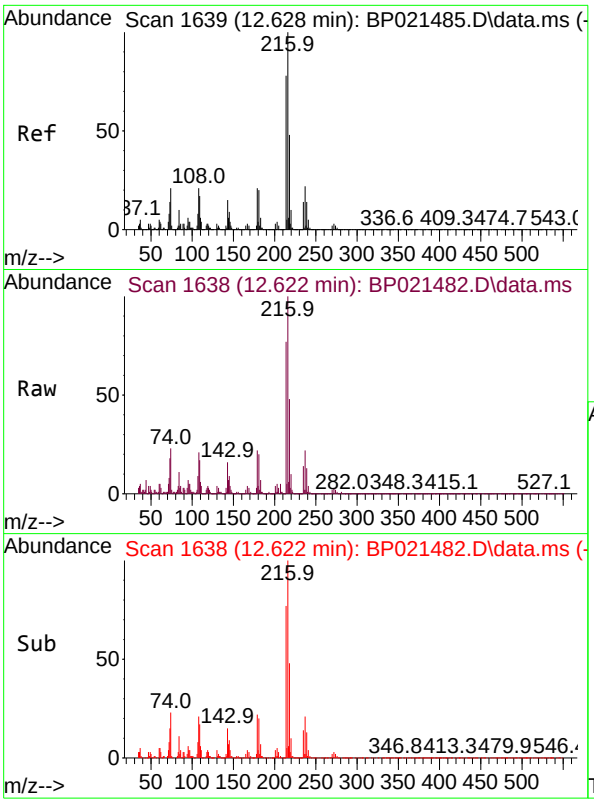


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:164 Resp: 933864

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.5	122.3
160	44.3	35.2	52.8

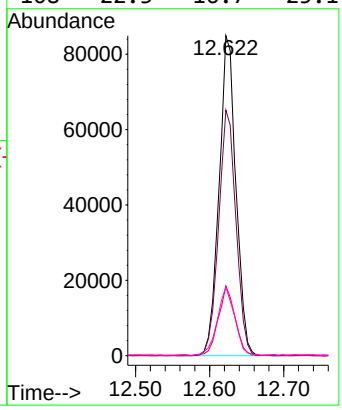




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.894 ng
RT: 12.622 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:216 Resp: 13391(

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.5	93.7
179	21.4	16.4	24.6
108	22.3	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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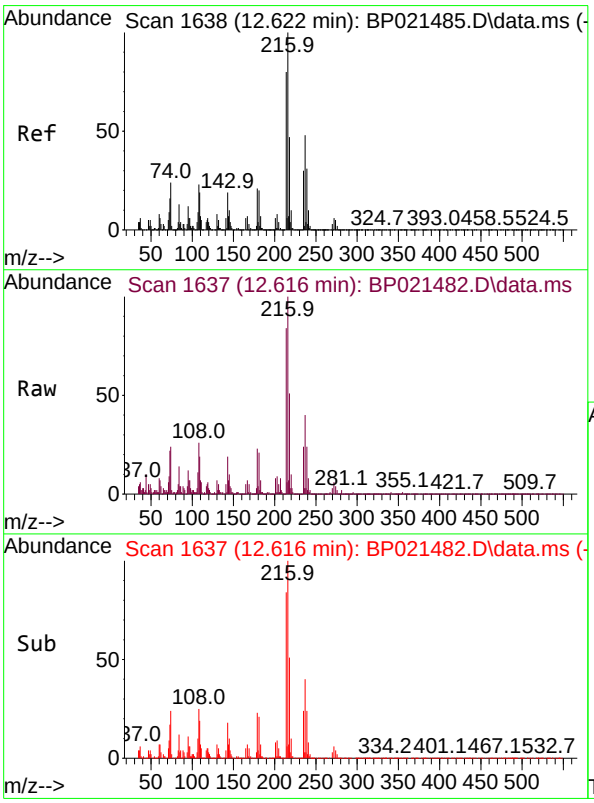
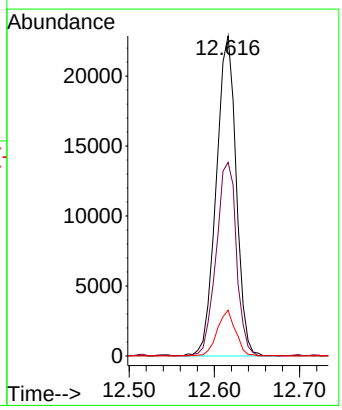
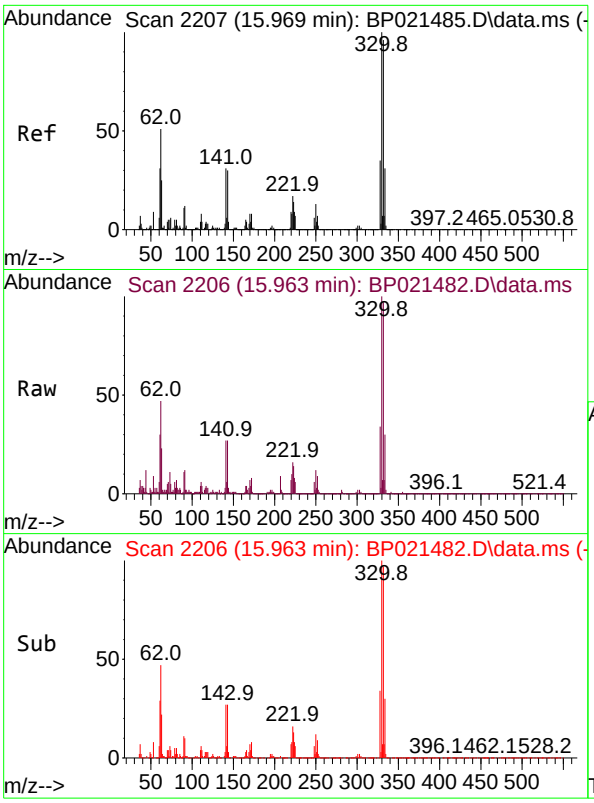


#41
Hexachlorocyclopentadiene
Concen: 4.288 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:237 Resp: 37190

Ion	Ratio	Lower	Upper
237	100		
235	60.5	43.9	83.9
272	14.3	0.0	33.3

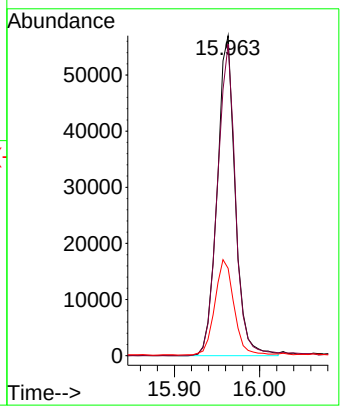




#42
2,4,6-Tribromophenol
Concen: 8.063 ng
RT: 15.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:330 Resp: 8380

Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.4	116.0
141	31.6	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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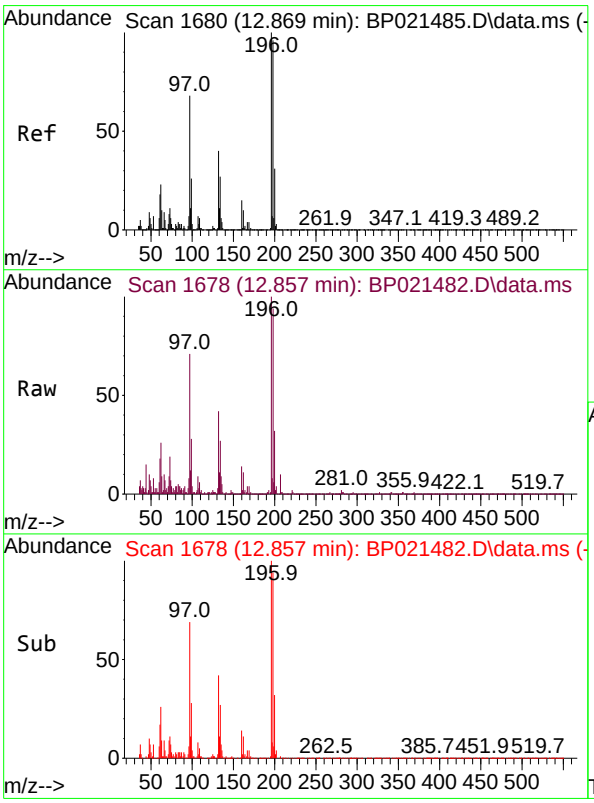
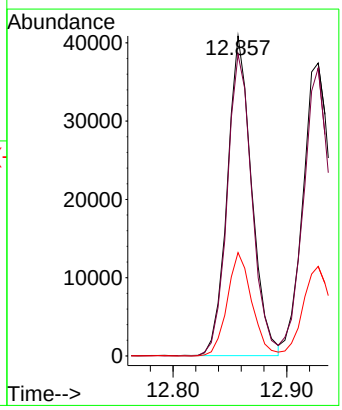
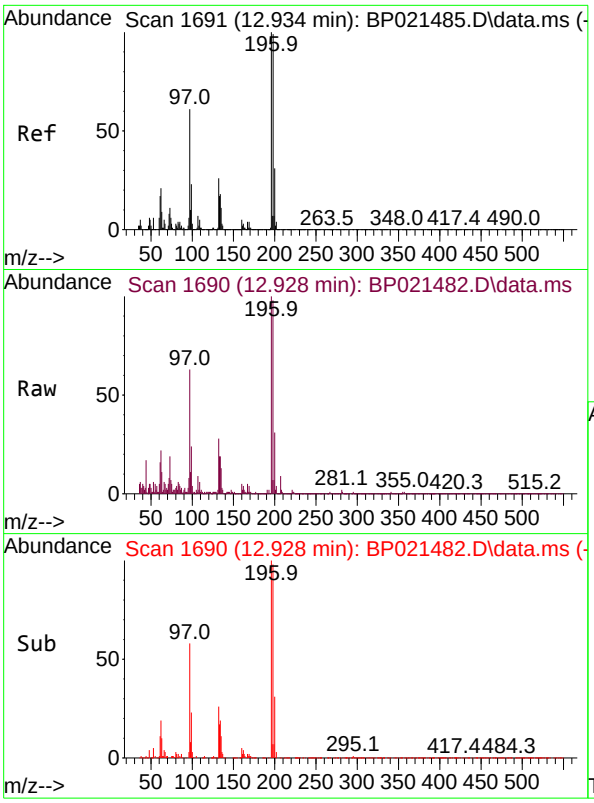


#43
2,4,6-Trichlorophenol
Concen: 4.003 ng
RT: 12.857 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 60845

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	32.3	24.5	36.7

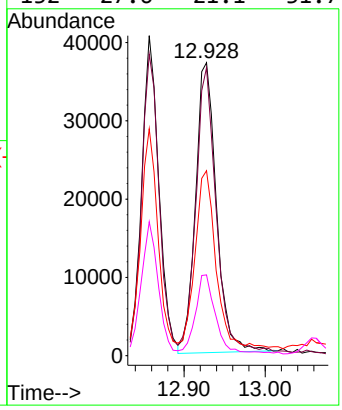




#44
2,4,5-Trichlorophenol
Concen: 3.926 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 6630

Ion	Ratio	Lower	Upper
196	100		
198	98.3	78.9	118.3
97	63.1	49.4	74.0
132	27.6	21.1	31.7



Instrument :
BNA_P
ClientSampleId :
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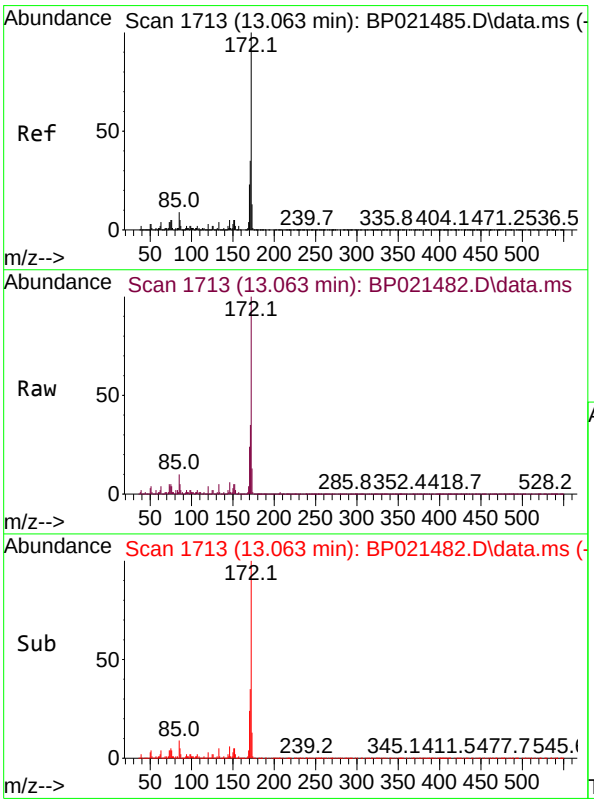
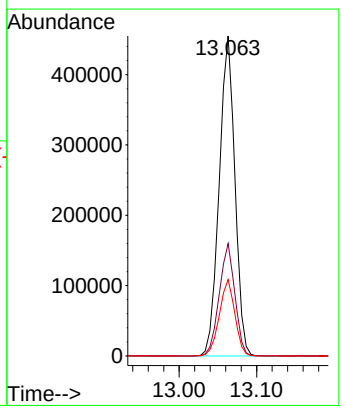
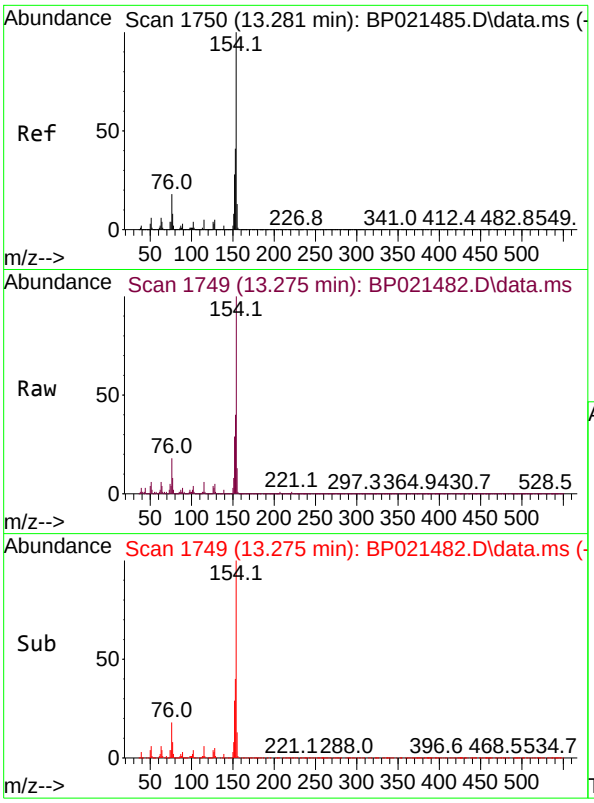


#45
2-Fluorobiphenyl
Concen: 10.464 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:172 Resp: 640316

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.9	18.4	27.6

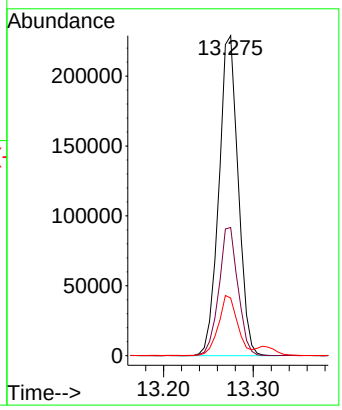




#46
1,1'-Biphenyl
Concen: 5.168 ng
RT: 13.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:154 Resp: 34143

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	18.0	0.0	37.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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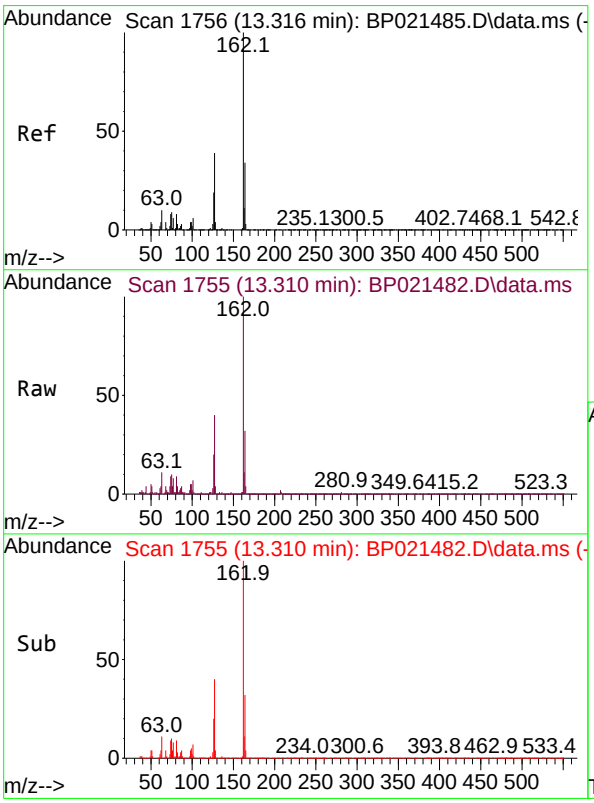
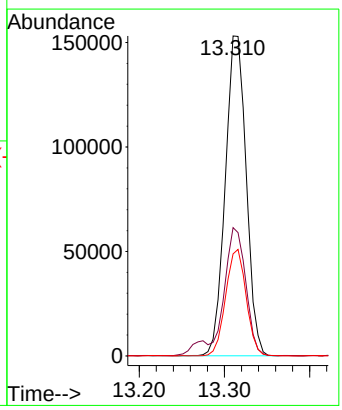
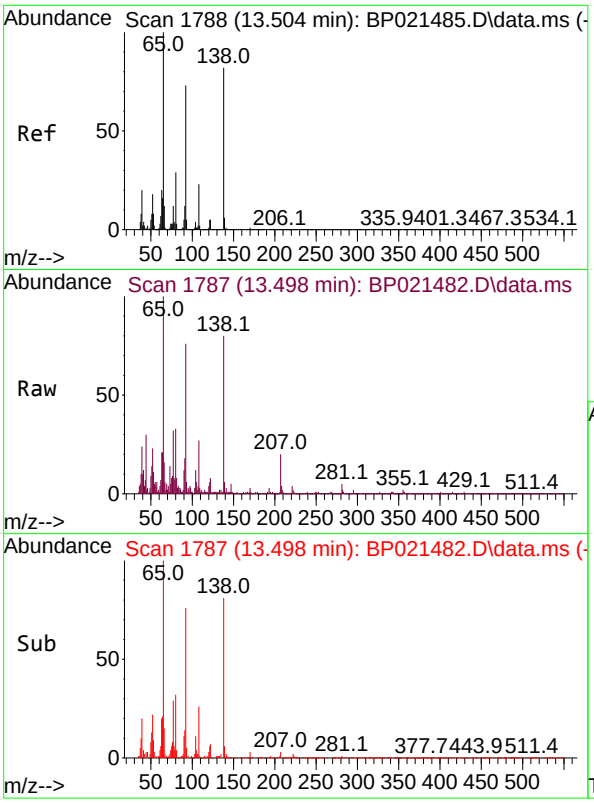


#47
2-Chloronaphthalene
Concen: 5.089 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:162 Resp: 261761

Ion	Ratio	Lower	Upper
162	100		
127	40.1	31.9	47.9
164	31.9	26.8	40.2

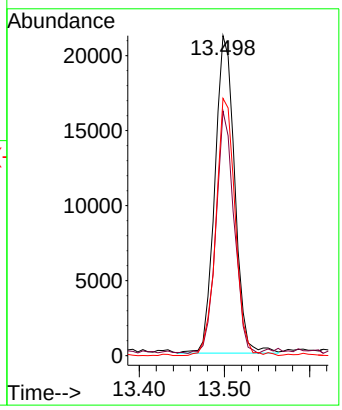




#48
2-Nitroaniline
Concen: 7.264 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 65 Resp: 3418

Ion	Ratio	Lower	Upper
65	100		
92	76.5	58.1	87.1
138	80.4	65.5	98.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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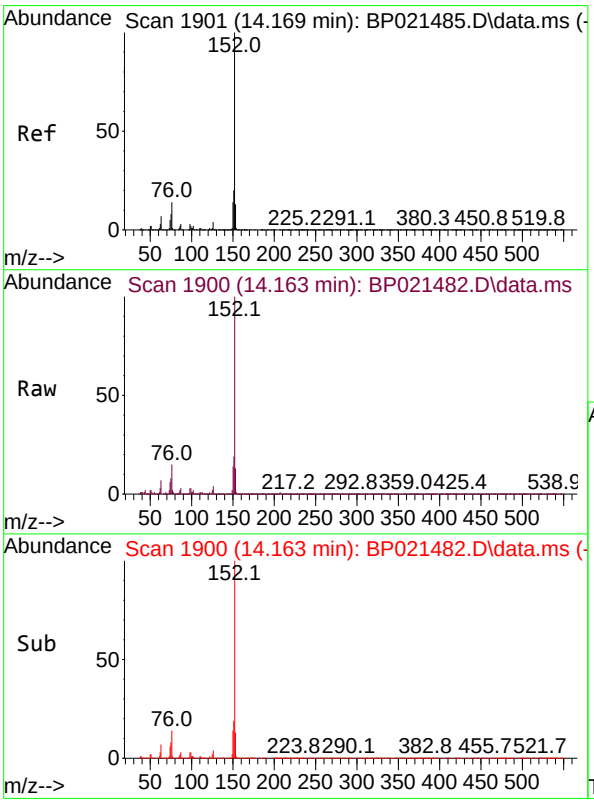
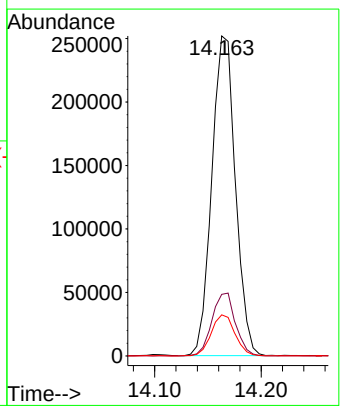
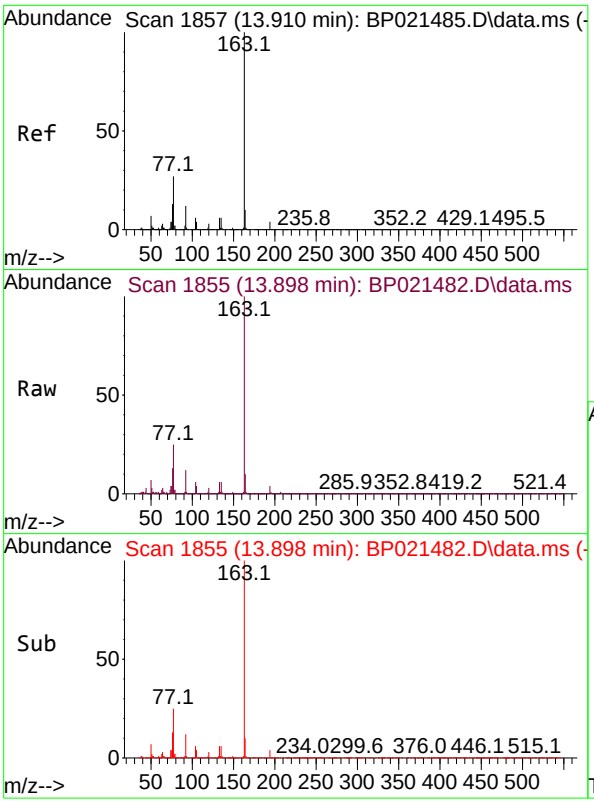


#49
Acenaphthylene
Concen: 5.126 ng
RT: 14.163 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 387614

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.9	10.6	16.0





#50
Dimethylphthalate
Concen: 5.178 ng
RT: 13.898 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:163 Resp: 32380

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.3	12.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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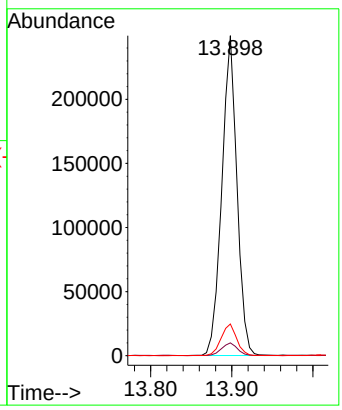
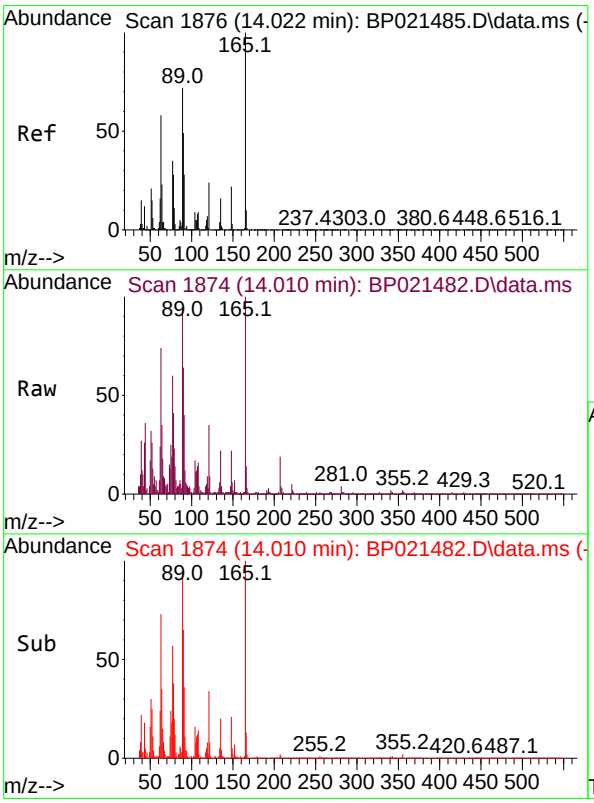
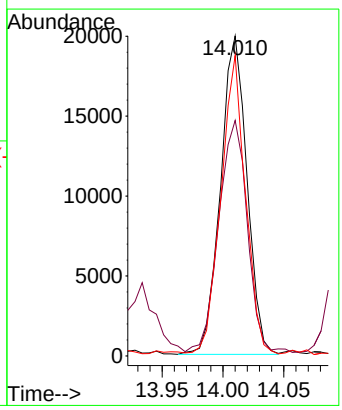


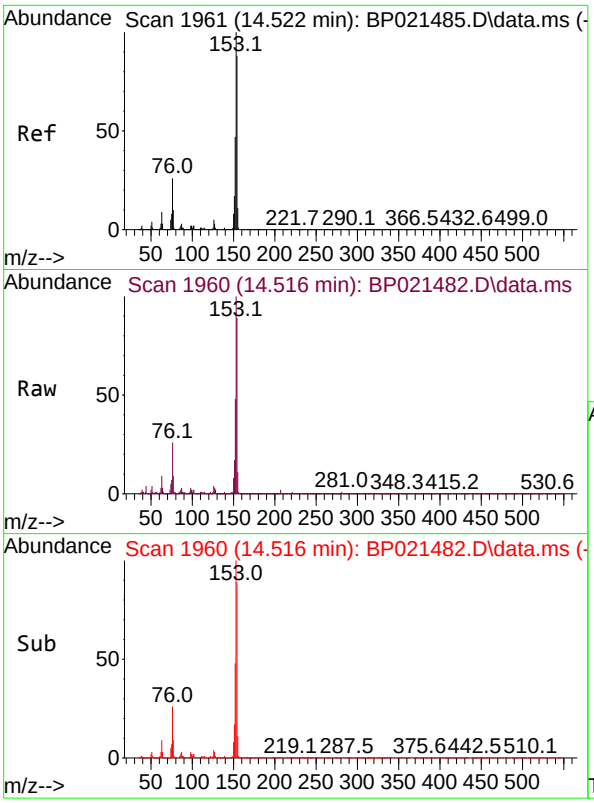


#51
2,6-Dinitrotoluene
Concen: 6.169 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 30050

Ion	Ratio	Lower	Upper
165	100		
63	73.6	51.5	77.3
89	93.9	57.8	86.8#





#52
Acenaphthene
Concen: 5.150 ng
RT: 14.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 25551

Ion	Ratio	Lower	Upper
154	100		
153	112.0	91.1	136.7
152	53.7	43.0	64.4

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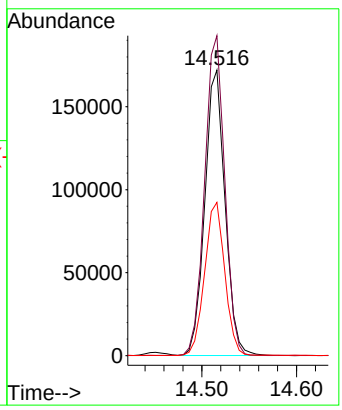
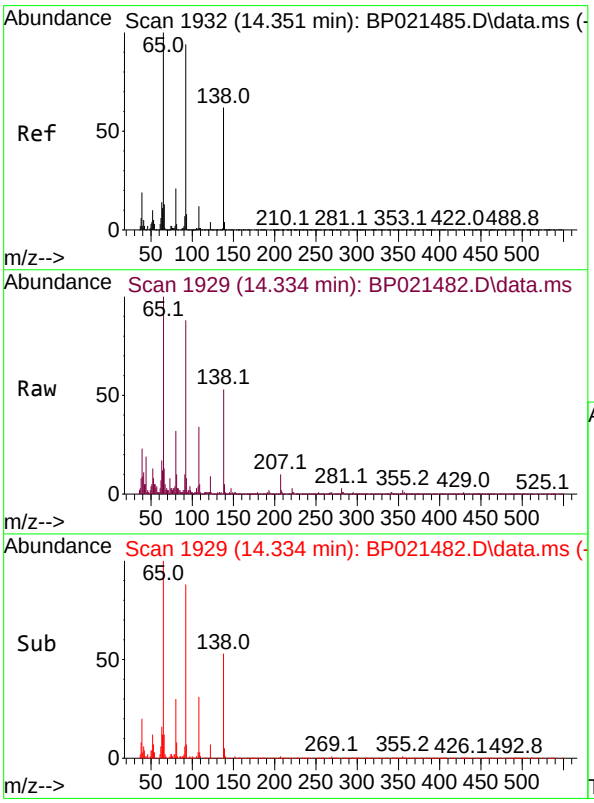
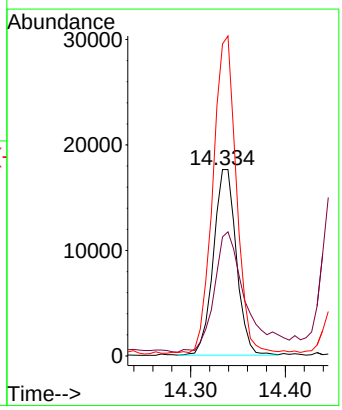


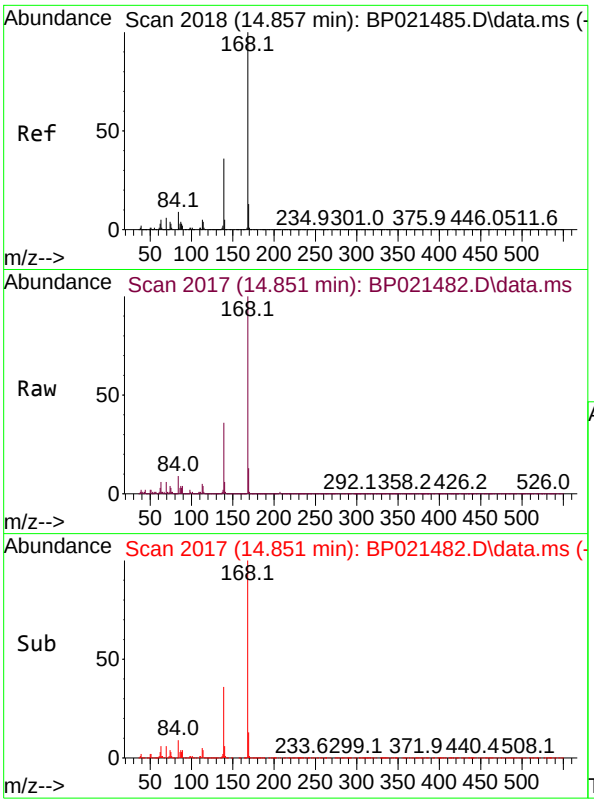


#53
3-Nitroaniline
Concen: 6.160 ng
RT: 14.334 min Scan# 1929
Delta R.T. -0.017 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 29621

Ion	Ratio	Lower	Upper
138	100		
108	63.9	16.2	24.4#
92	167.4	122.2	183.4

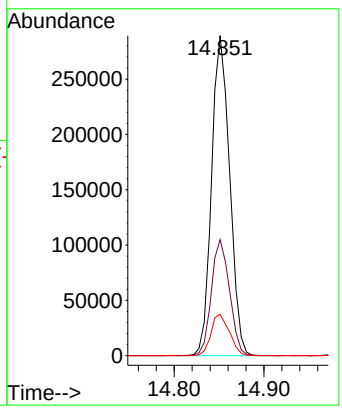




#55
Dibenzofuran
Concen: 5.307 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:168 Resp: 40502

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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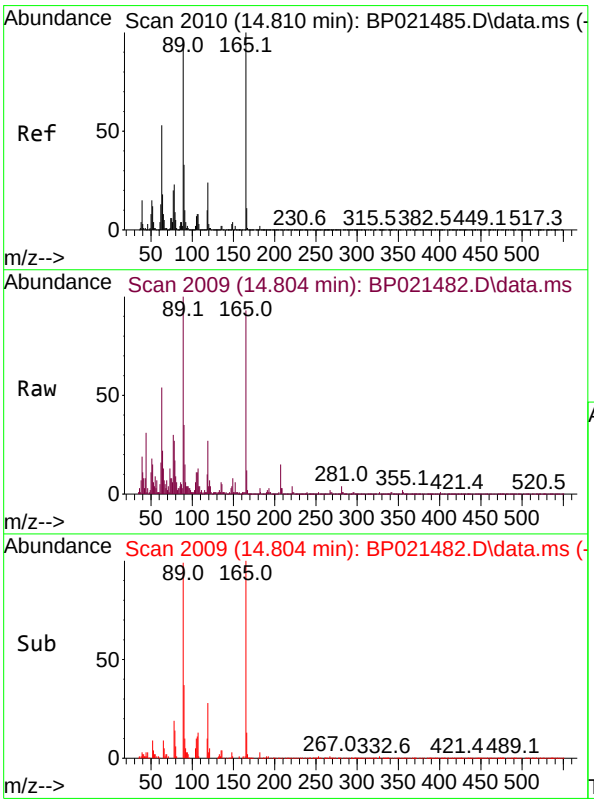
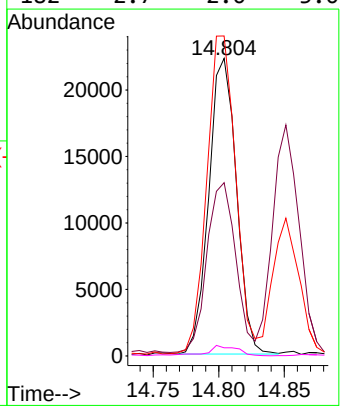
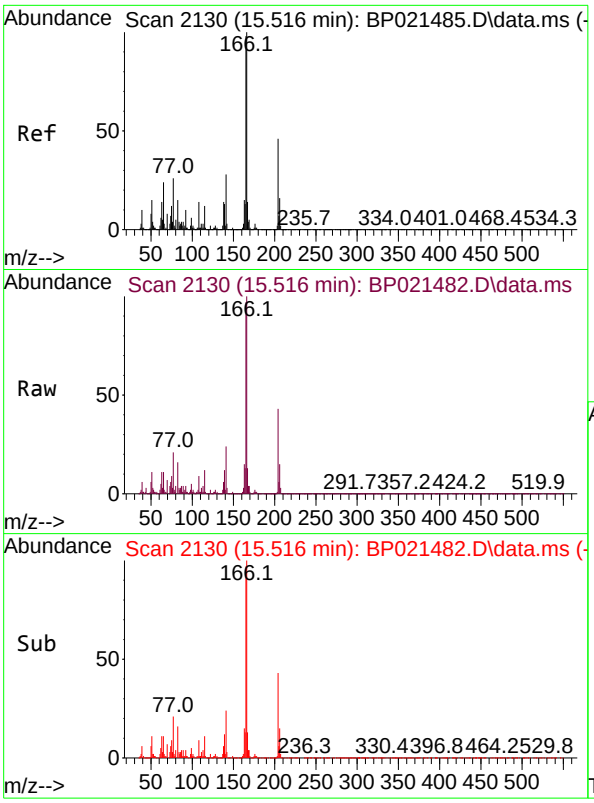


#57
2,4-Dinitrotoluene
Concen: 6.843 ng
RT: 14.804 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 32636

Ion	Ratio	Lower	Upper
165	100		
63	58.2	42.5	63.7
89	107.5	77.1	115.7
182	2.7	2.0	3.0





#58
Fluorene
Concen: 5.326 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 33397

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.1	117.1
167	13.3	11.0	16.4

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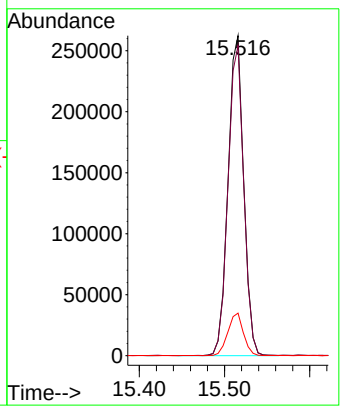
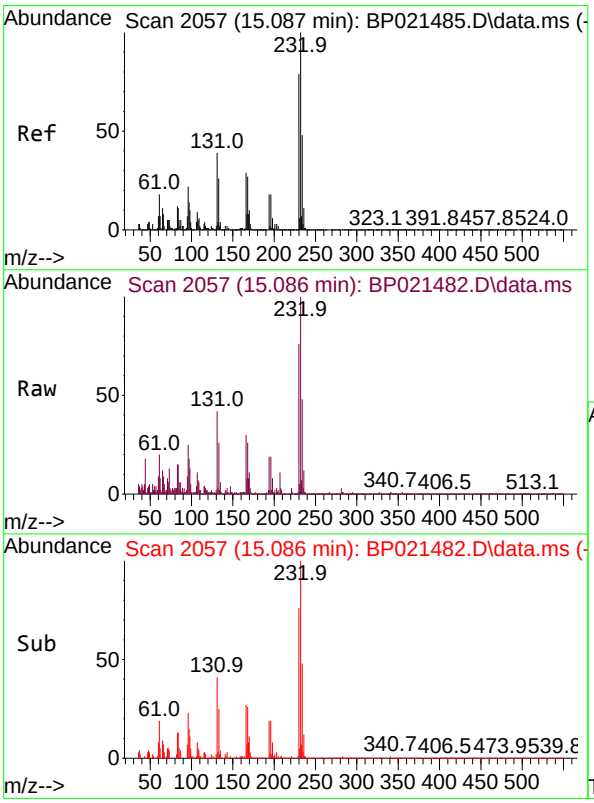
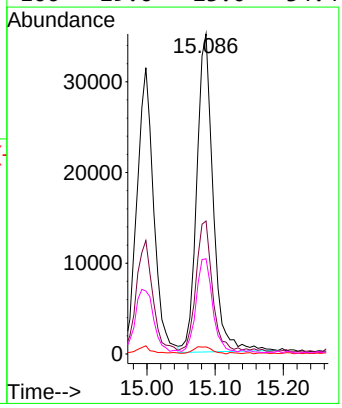


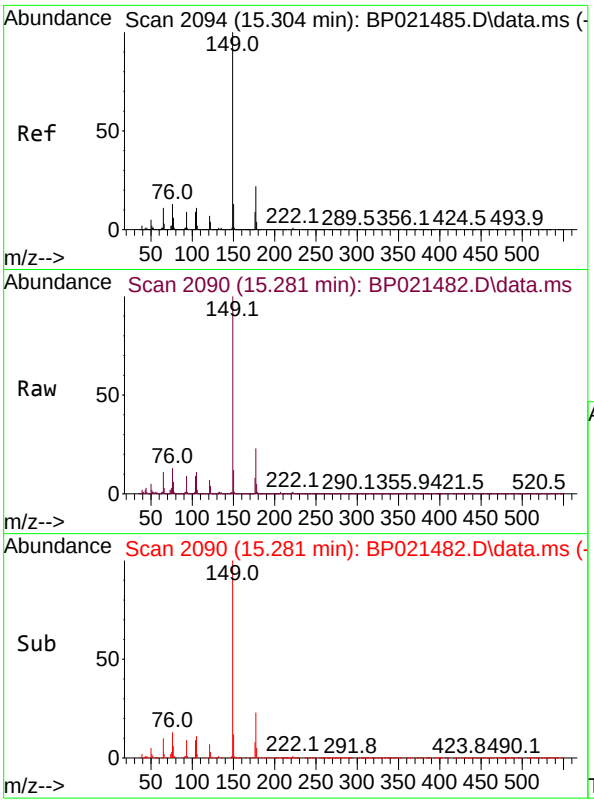


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.076 ng
RT: 15.086 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:232 Resp: 58426

Ion	Ratio	Lower	Upper
232	100		
131	40.4	33.1	49.7
130	2.7	1.7	2.5#
166	29.6	23.0	34.4

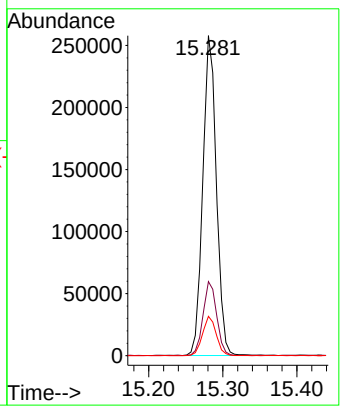




#60
Diethylphthalate
Concen: 5.113 ng
RT: 15.281 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 32811

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.3	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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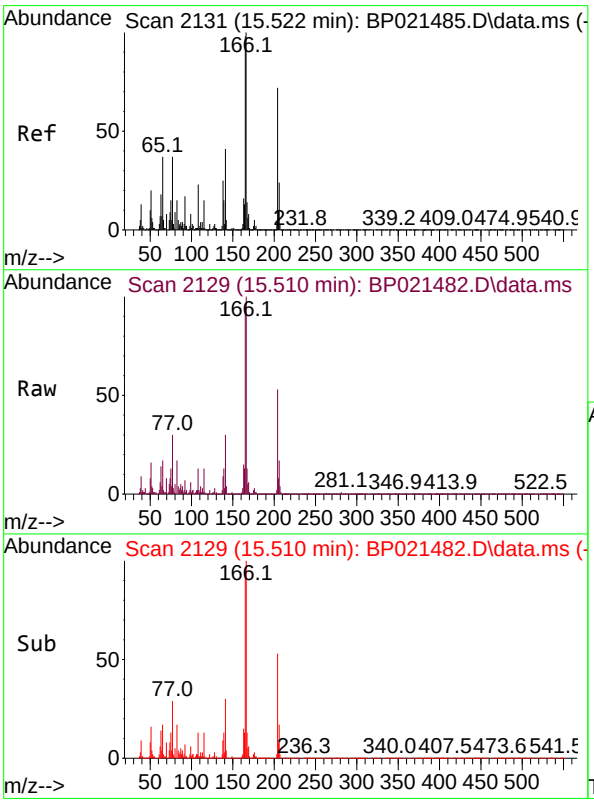
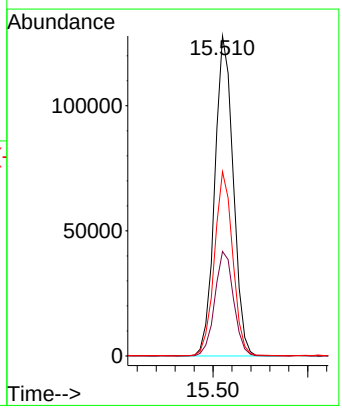
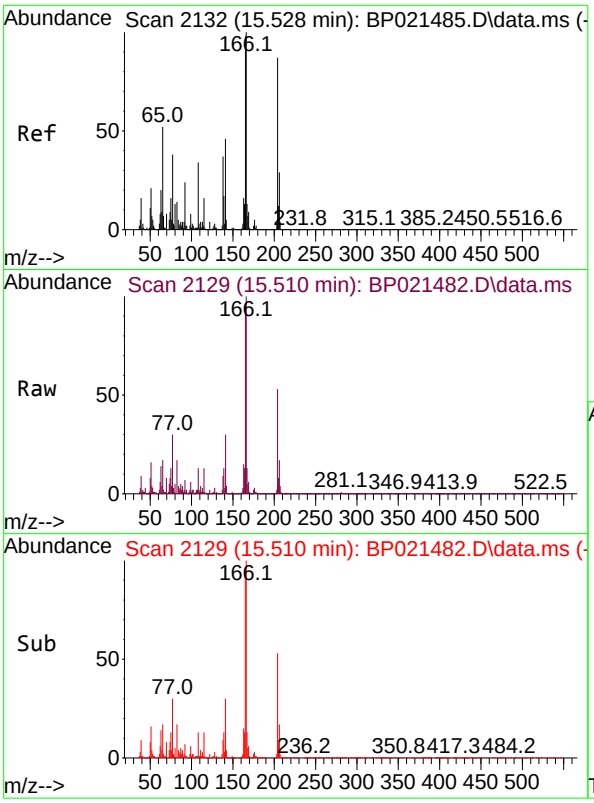


#61
4-Chlorophenyl-phenylether
Concen: 5.340 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:204 Resp: 173085

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	57.6	46.1	69.1

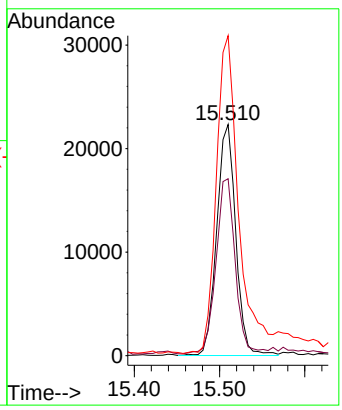




#62
4-Nitroaniline
Concen: 5.481 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 3457

Ion	Ratio	Lower	Upper
138	100		
92	76.5	46.4	86.4
108	138.4	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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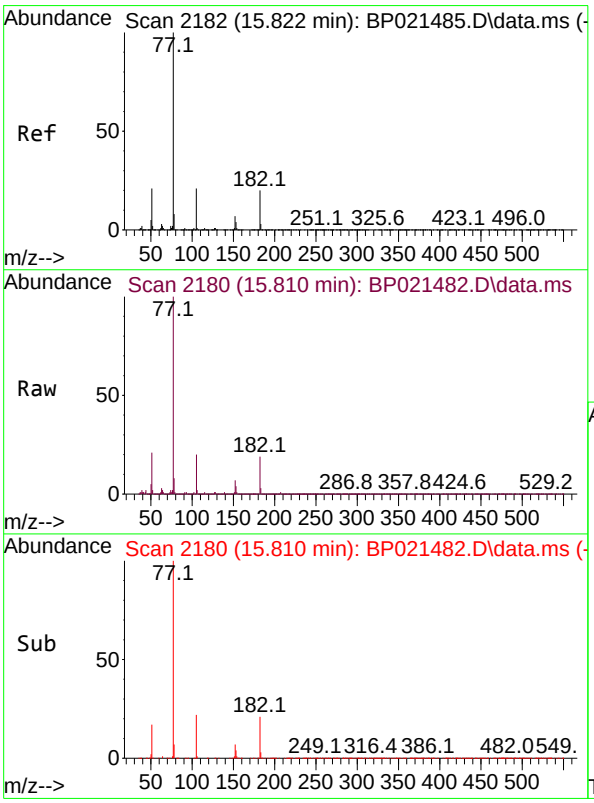
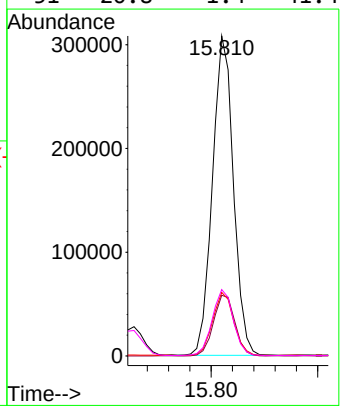
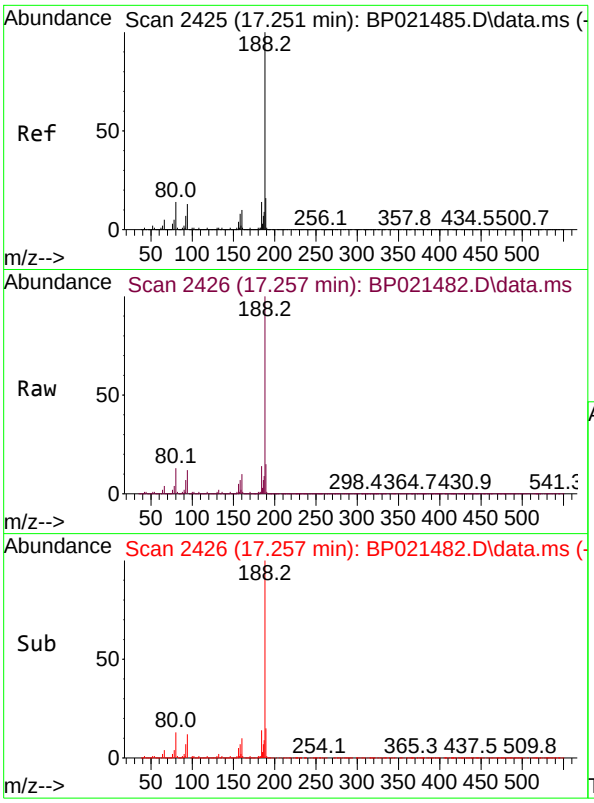


#63
Azobenzene
Concen: 5.318 ng
RT: 15.810 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 419466

Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	19.8	0.9	40.9
51	20.8	1.4	41.4

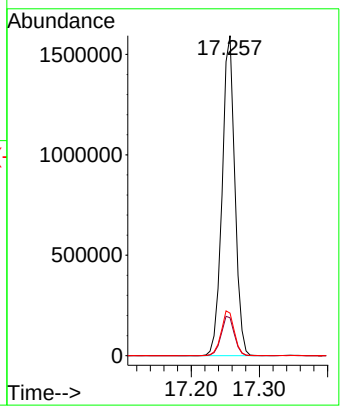




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:188 Resp: 207082

Ion	Ratio	Lower	Upper
188	100		
94	11.9	10.2	15.4
80	13.3	11.6	17.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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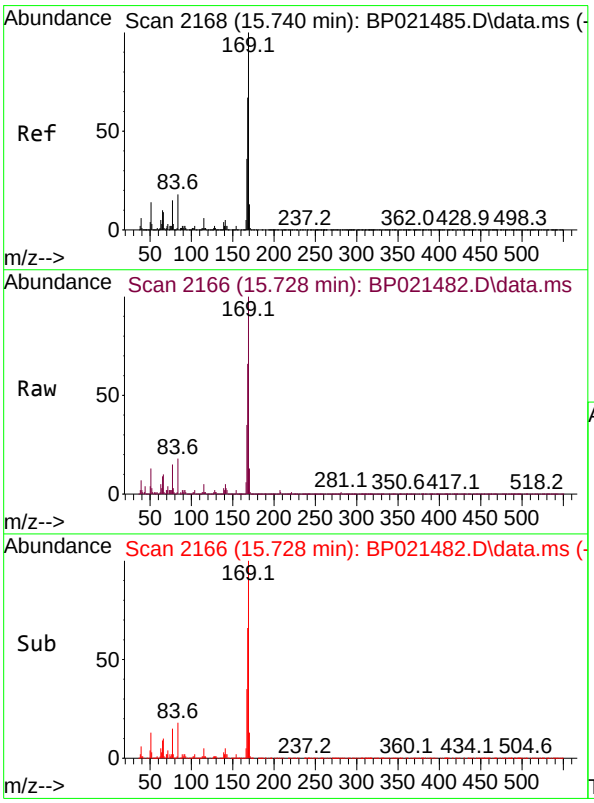
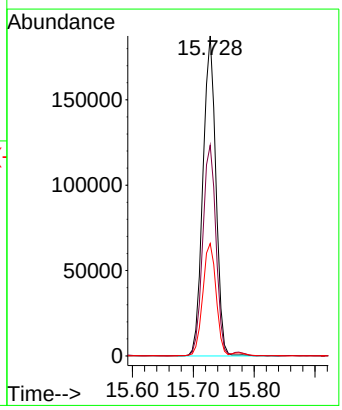
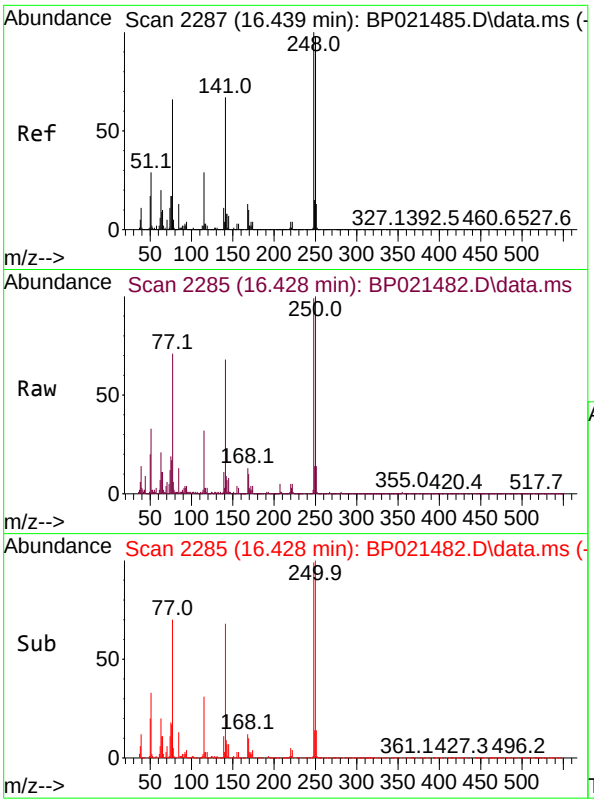


#66
n-Nitrosodiphenylamine
Concen: 4.986 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:169 Resp: 276698

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.4	80.2
167	35.2	28.7	43.1

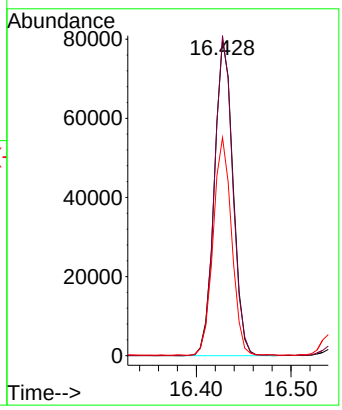




#67
4-Bromophenyl-phenylether
Concen: 4.985 ng
RT: 16.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:248 Resp: 10925

Ion	Ratio	Lower	Upper
248	100		
250	101.3	78.6	117.8
141	69.0	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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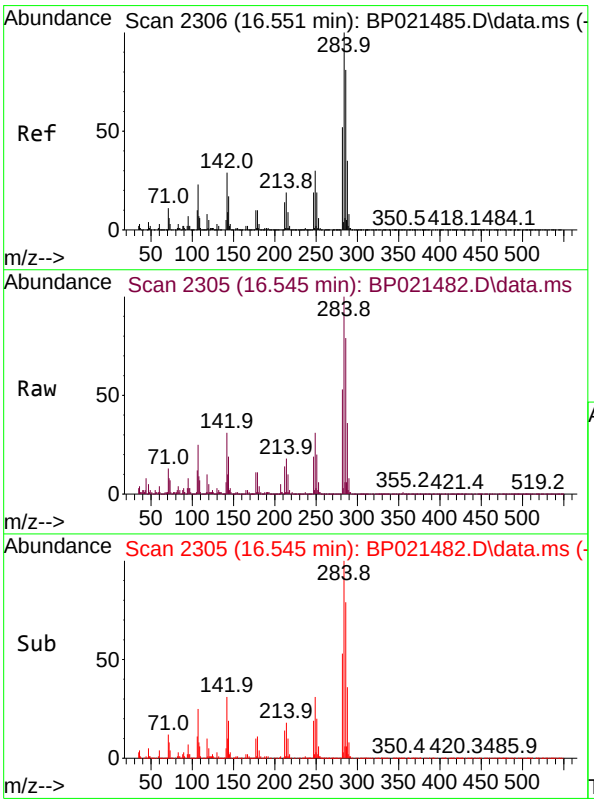
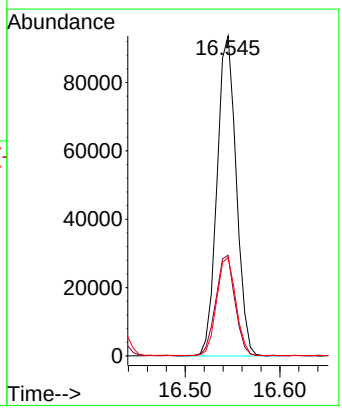
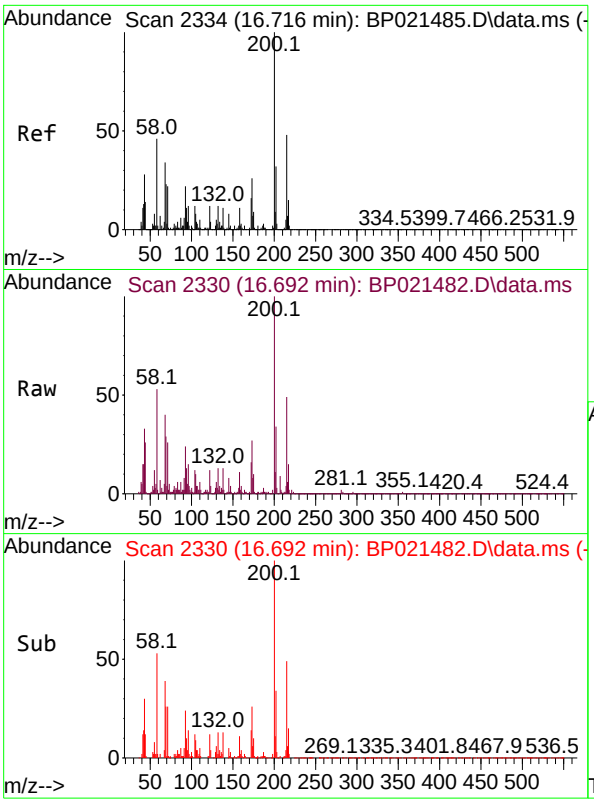


#68
Hexachlorobenzene
Concen: 5.104 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:284 Resp: 132184

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.8	24.1	36.1

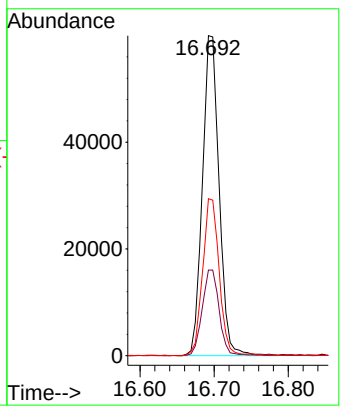




#69
Atrazine
Concen: 4.921 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:200 Resp: 9376

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.2	46.2
215	49.0	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
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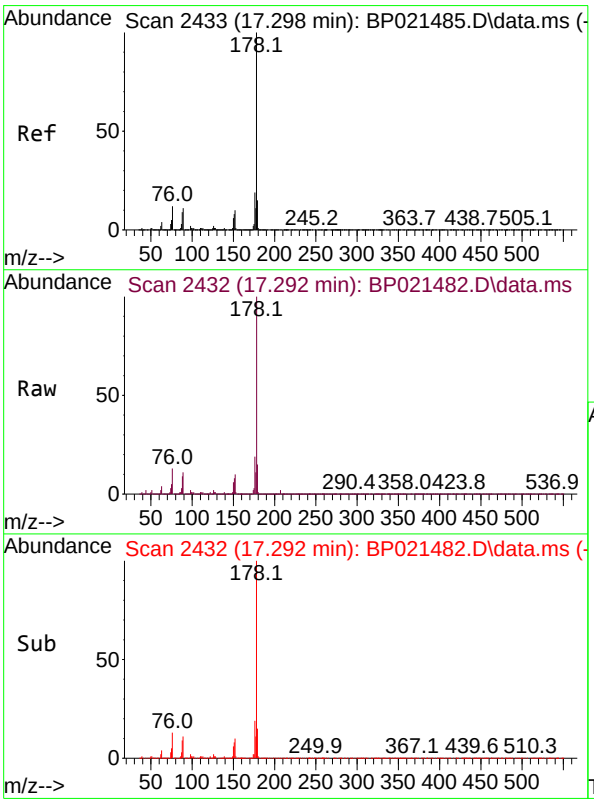
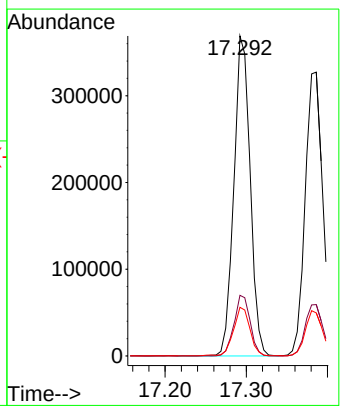
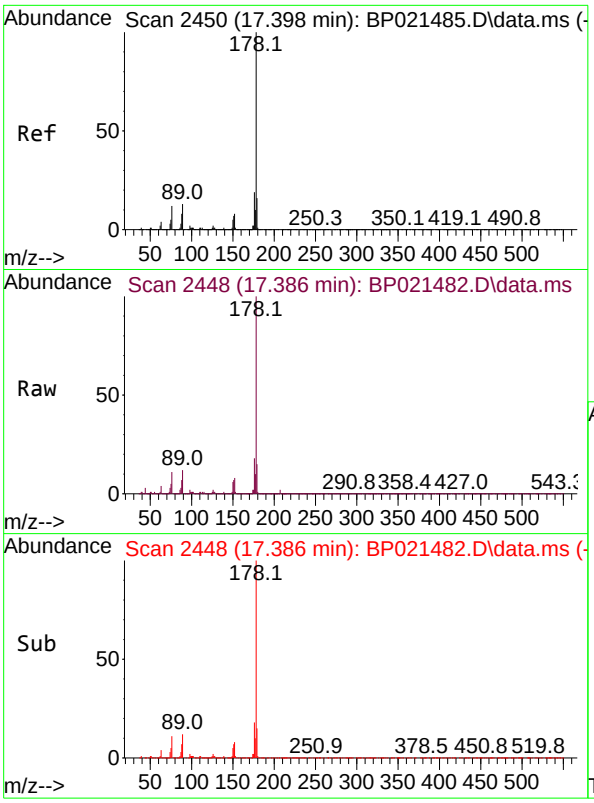


#71
Phenanthrene
Concen: 5.149 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 512757

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.4	18.6

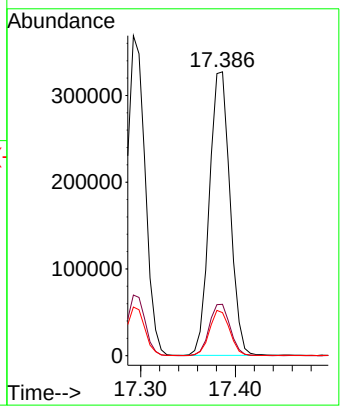




#72
Anthracene
Concen: 5.058 ng
RT: 17.386 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 49398

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.2	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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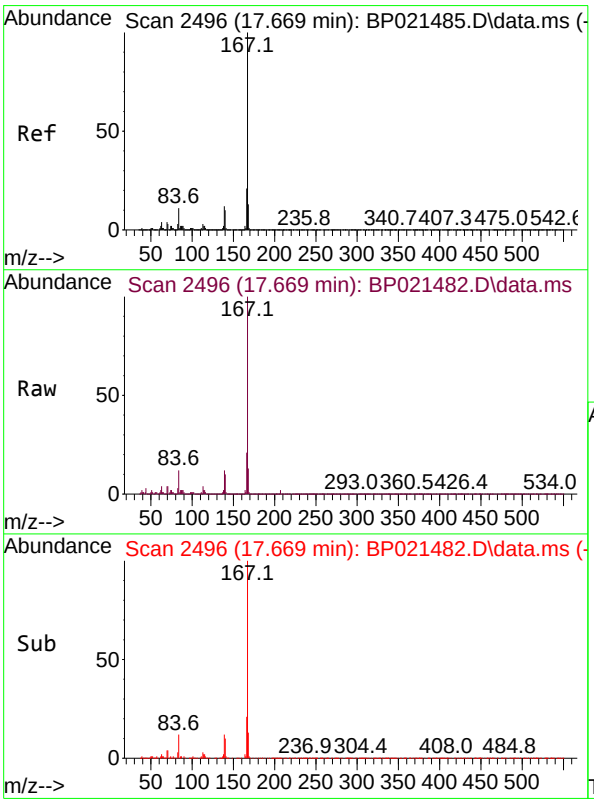
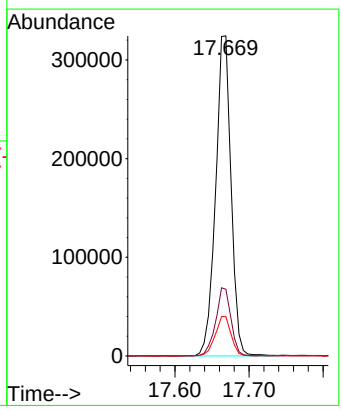
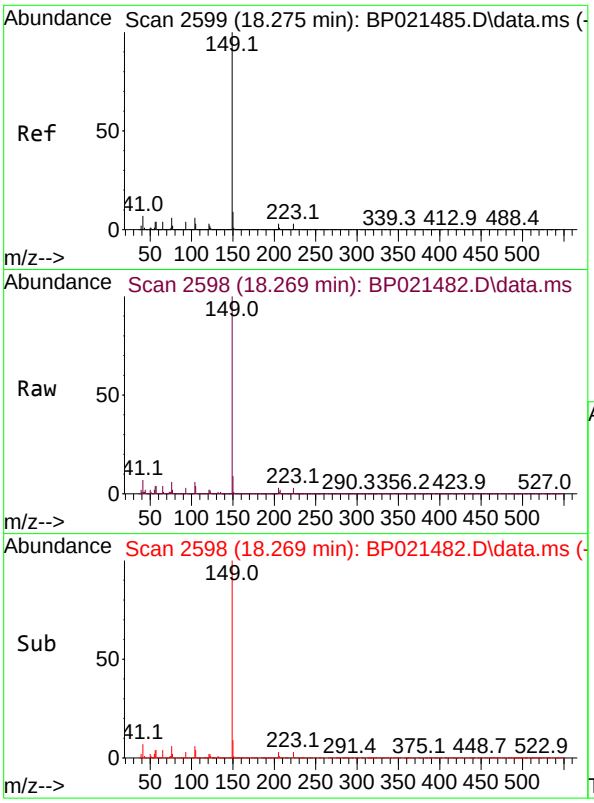


#73
Carbazole
Concen: 4.996 ng
RT: 17.669 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:167 Resp: 470253

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.3	9.9	14.9

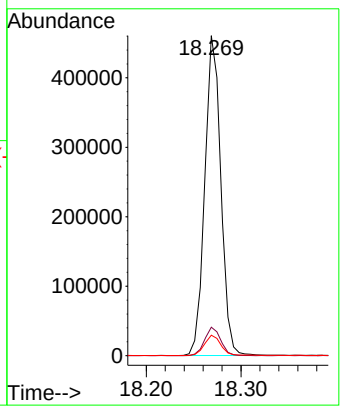




#74
Di-n-butylphthalate
Concen: 4.697 ng
RT: 18.269 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 54297

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.4	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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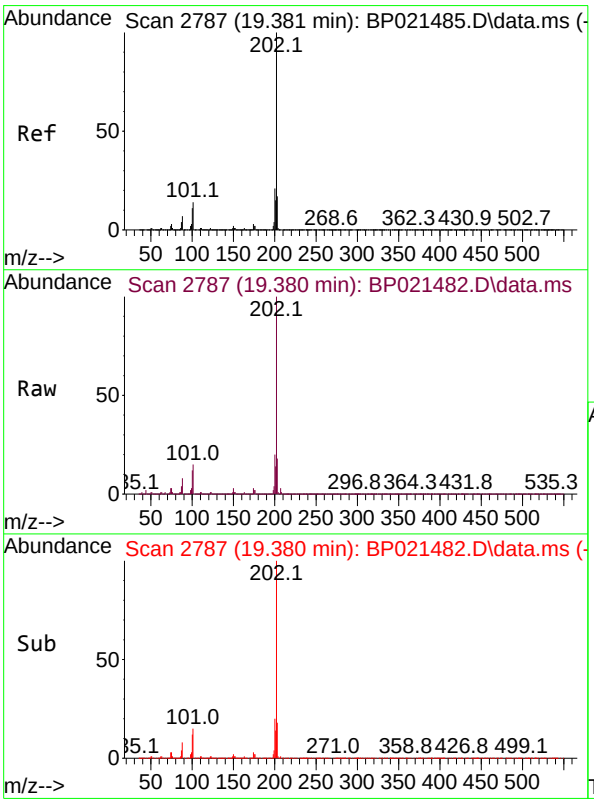
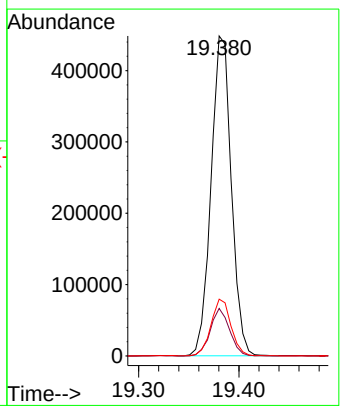
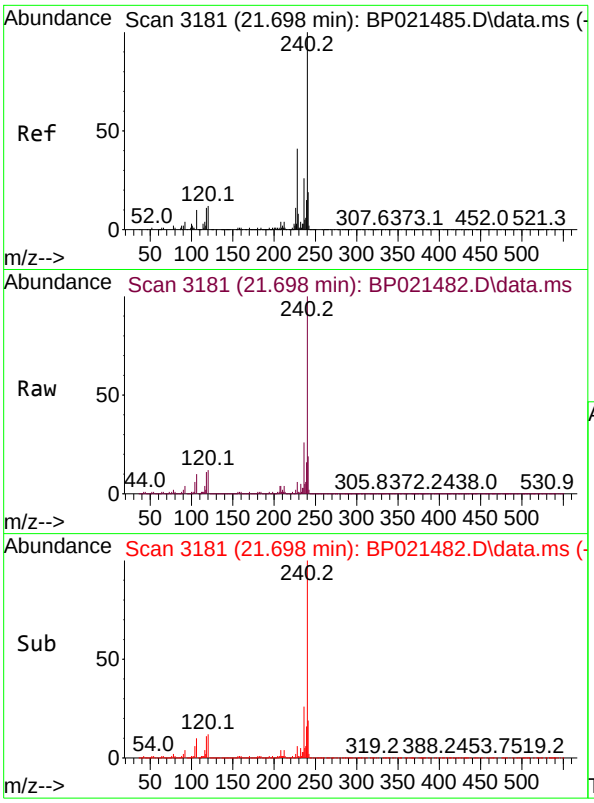


#75
Fluoranthene
Concen: 5.148 ng
RT: 19.380 min Scan# 2787
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 629080

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.0
203	17.8	0.0	37.5

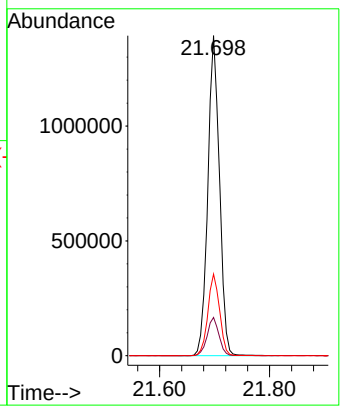




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:240 Resp: 204039

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



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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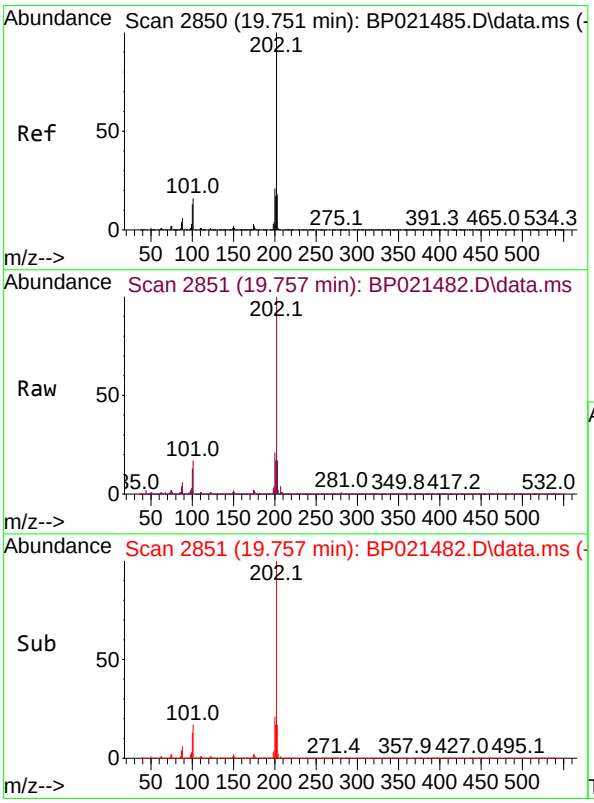
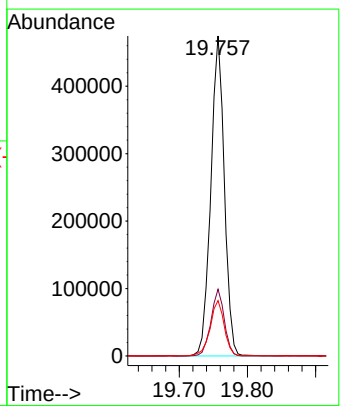
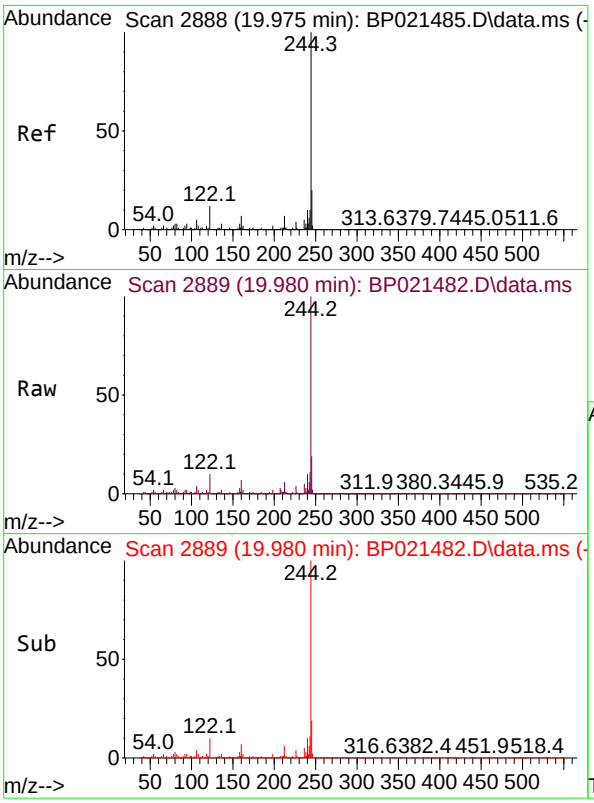


#78
Pyrene
Concen: 4.906 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 654333

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.3	14.1	21.1

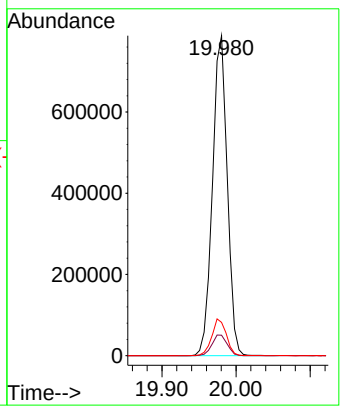




#79
Terphenyl-d14
Concen: 10.379 ng
RT: 19.980 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:244 Resp: 109011

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.4	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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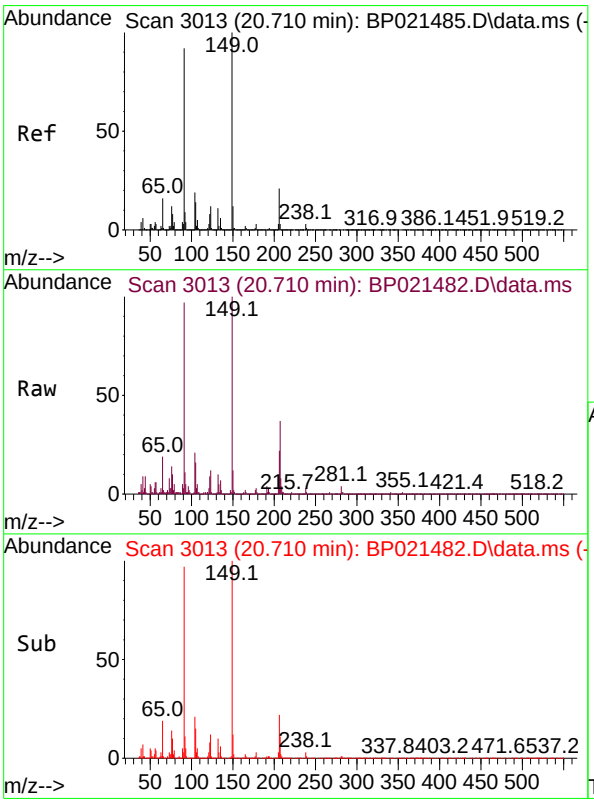
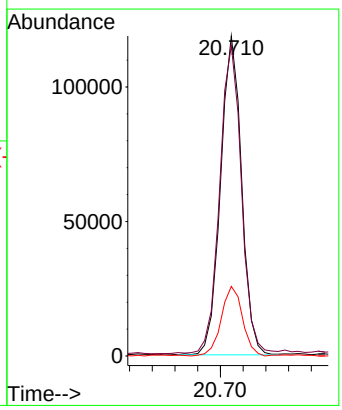
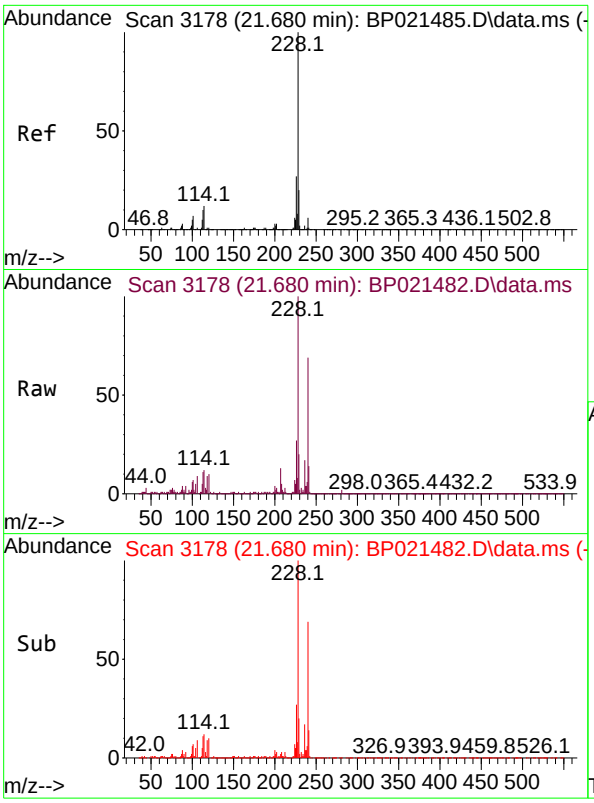


#80
Butylbenzylphthalate
Concen: 6.382 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 152079

Ion	Ratio	Lower	Upper
149	100		
91	97.1	73.3	109.9
206	21.7	17.1	25.7





#81
Benzo(a)anthracene
Concen: 5.063 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:228 Resp: 64852

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.9	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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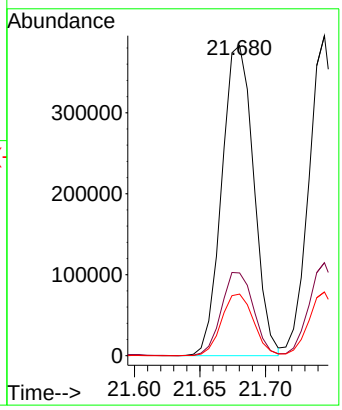
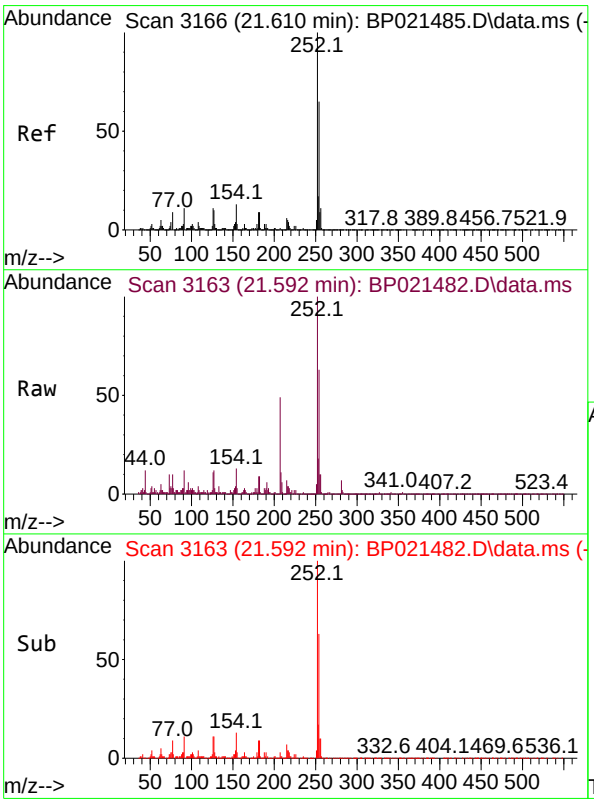
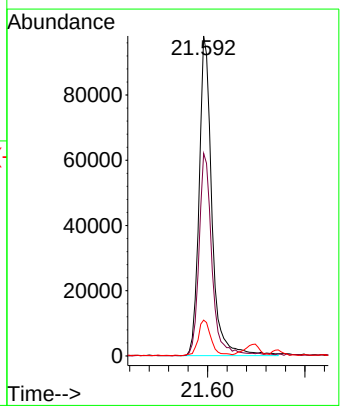


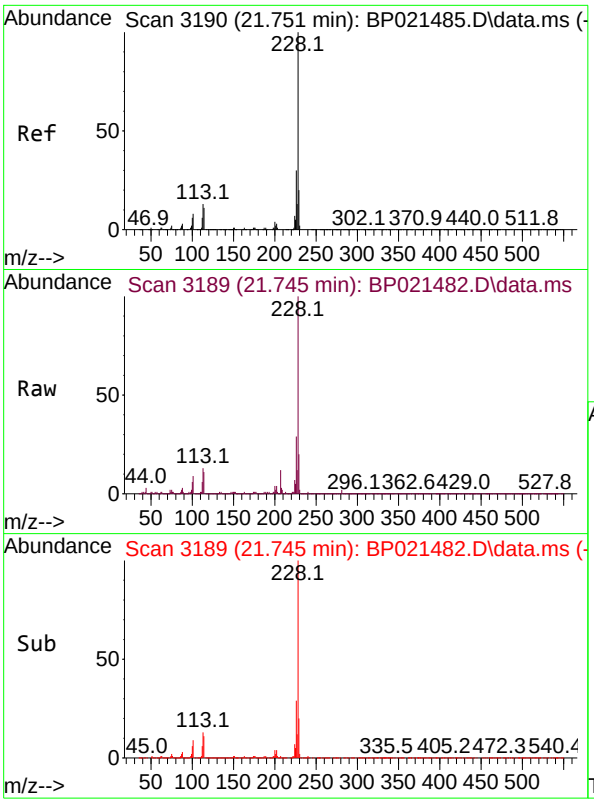


#82
3,3'-Dichlorobenzidine
Concen: 4.338 ng
RT: 21.592 min Scan# 3163
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 178137

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.7	77.5
126	11.2	8.7	13.1

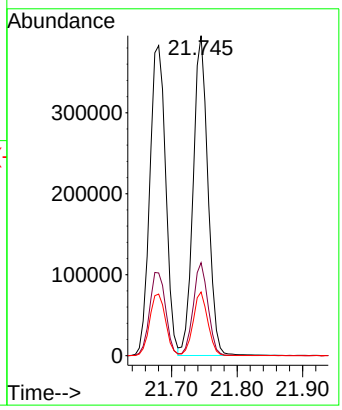




#83
Chrysene
Concen: 5.115 ng
RT: 21.745 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:228 Resp: 61862

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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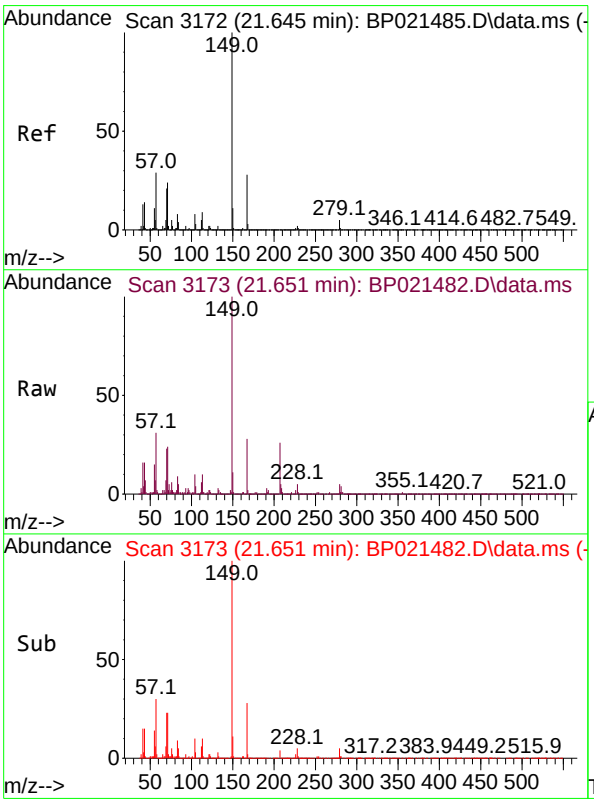
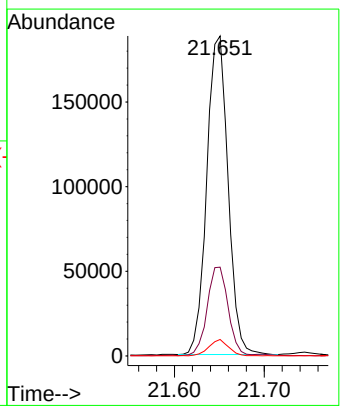
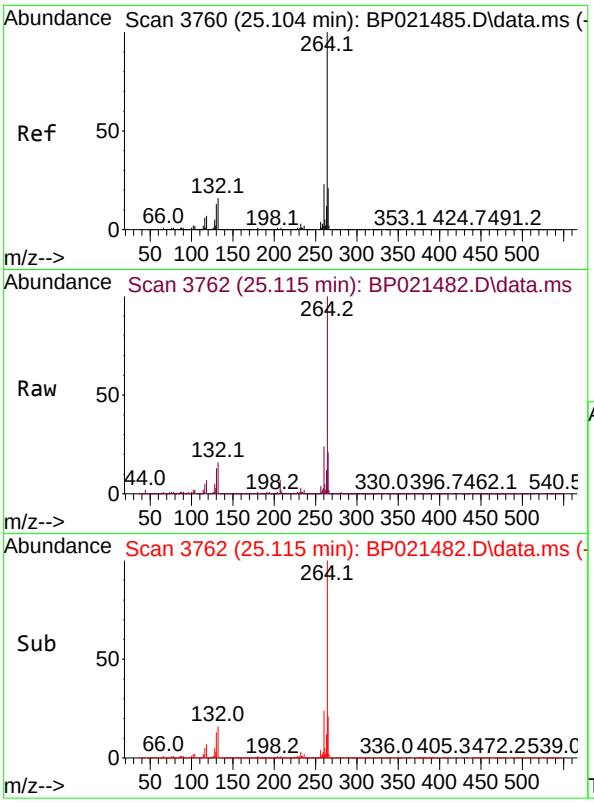


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.091 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 309738

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	5.2	3.8	5.6

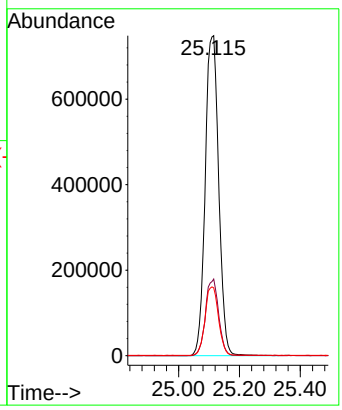




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:264 Resp: 229953

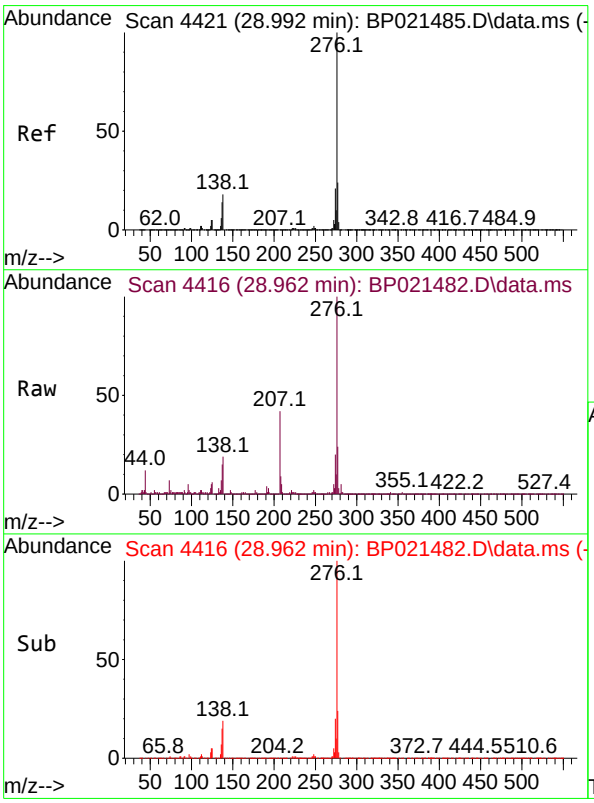
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.2	17.1	25.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

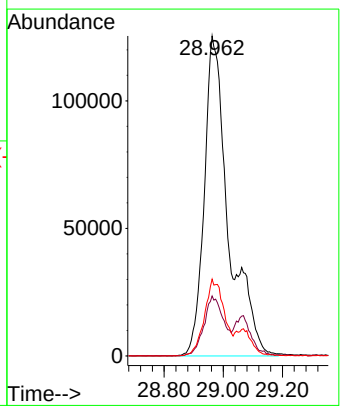
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

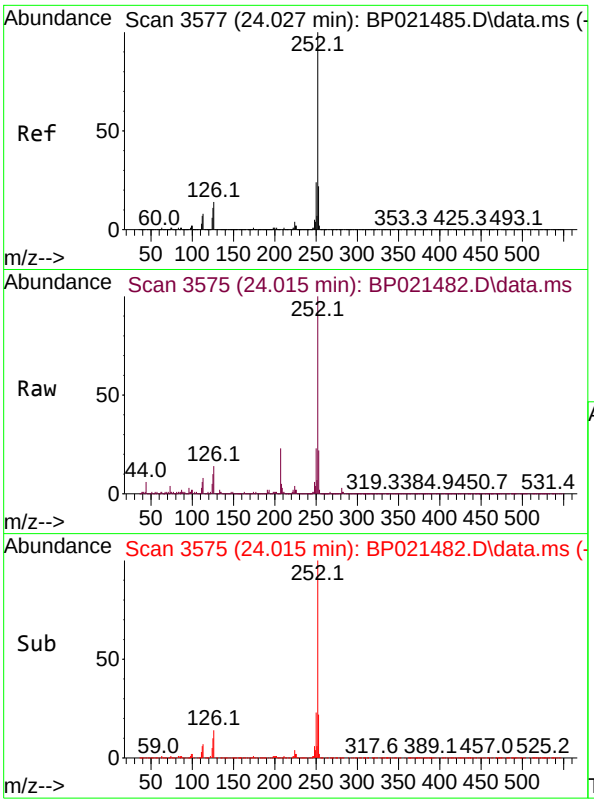


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.800 ng m
RT: 28.962 min Scan# 4416
Delta R.T. -0.030 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 715393

Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.8	19.2
277	19.6	16.5	24.7

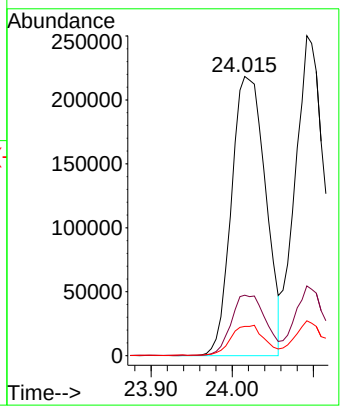




#88
Benzo(b)fluoranthene
Concen: 4.816 ng
RT: 24.015 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 63602

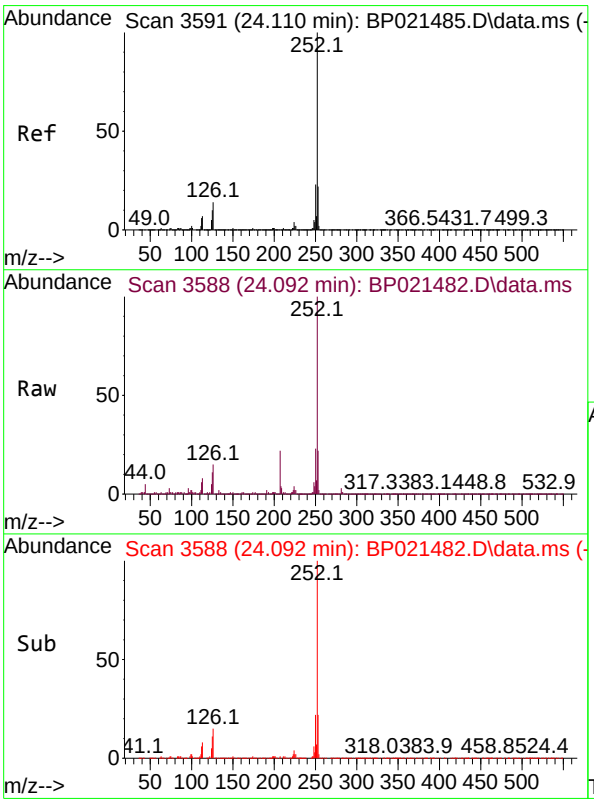
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.5	8.6	13.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

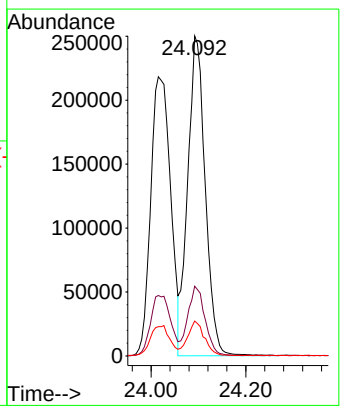
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

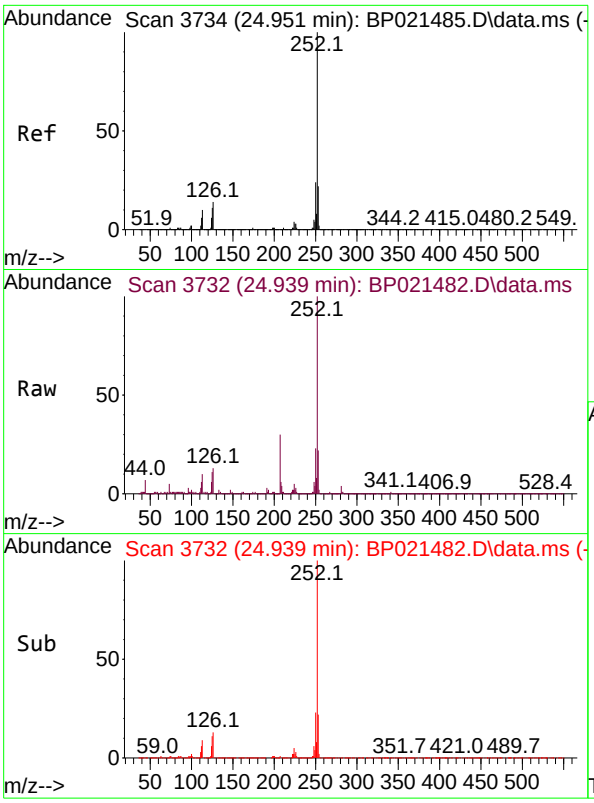


#89
Benzo(k)fluoranthene
Concen: 4.975 ng
RT: 24.092 min Scan# 3588
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 640982

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.9	7.8	11.8

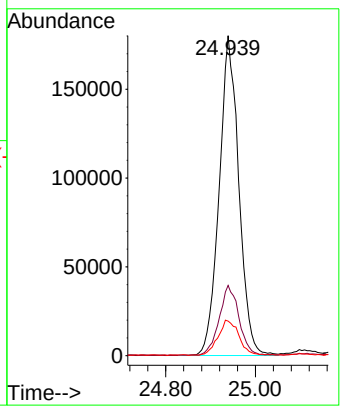




#90
Benzo(a)pyrene
Concen: 4.783 ng
RT: 24.939 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 54814

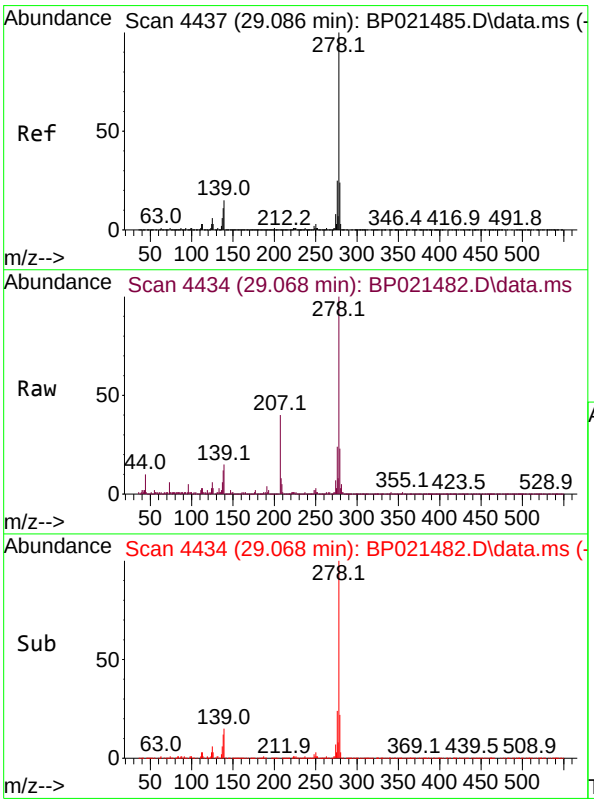
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.8	8.7	13.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

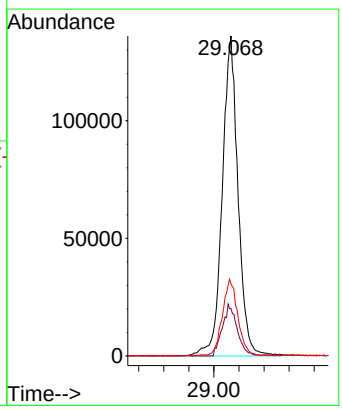
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

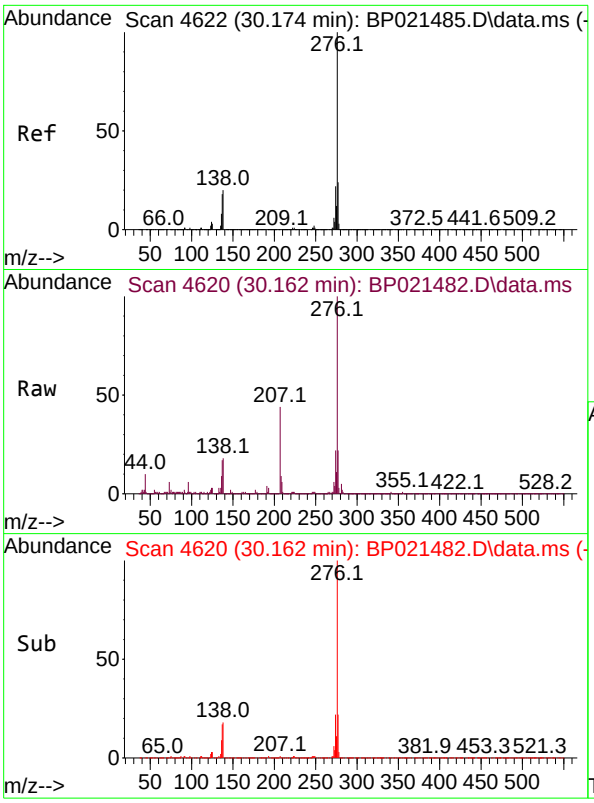


#91
Dibenzo(a,h)anthracene
Concen: 4.802 ng
RT: 29.068 min Scan# 4434
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:278 Resp: 594702

Ion	Ratio	Lower	Upper
278	100		
139	14.9	12.2	18.4
279	22.6	19.1	28.7

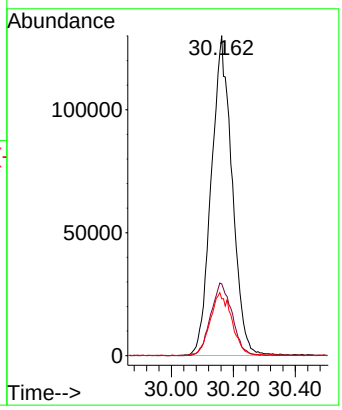




#92
Benzo(g,h,i)perylene
Concen: 4.872 ng
RT: 30.162 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 60477

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.0	28.6
138	17.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	385438	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1772285	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	1303990	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2799153	20.000	ng		0.00
76) Chrysene-d12	21.710	240	2268651	20.000	ng		0.01
86) Perylene-d12	25.110	264	2172035	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	495524	19.090	ng		0.00
7) Phenol-d6	6.958	99	755554	19.953	ng		0.00
23) Nitrobenzene-d5	8.952	82	600158	17.479	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	266074	18.334	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	1713239	20.051	ng		0.00
79) Terphenyl-d14	19.963	244	2713318	23.235	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	118289	9.611	ng		97
3) Pyridine	3.705	79	331408	9.645	ng		98
4) n-Nitrosodimethylamine	3.617	42	101144	9.794	ng	#	99
6) Aniline	7.128	93	392151	10.359	ng		99
8) 2-Chlorophenol	7.369	128	235350	9.811	ng		97
9) Benzaldehyde	6.946	77	278892	11.503	ng		99
10) Phenol	6.987	94	389958	9.945	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	346942	10.456	ng		99
12) 1,3-Dichlorobenzene	7.699	146	285122	10.006	ng		98
13) 1,4-Dichlorobenzene	7.840	146	291753	10.140	ng		99
14) 1,2-Dichlorobenzene	8.158	146	284225	10.251	ng		99
15) Benzyl Alcohol	8.034	79	280251	10.315	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.334	45	330688m	10.822	ng		
17) 2-Methylphenol	8.228	107	252971	10.205	ng		98
18) Hexachloroethane	8.893	117	113709	9.855	ng		99
19) n-Nitroso-di-n-propyla...	8.599	70	299730	11.459	ng		99
20) 3+4-Methylphenols	8.558	107	350826	10.496	ng		98
22) Acetophenone	8.616	105	550125	10.104	ng	#	98
24) Nitrobenzene	8.993	77	341460	9.156	ng		96
25) Isophorone	9.516	82	859297	10.593	ng		99
26) 2-Nitrophenol	9.705	139	55468	10.066	ng		94
27) 2,4-Dimethylphenol	9.757	122	199430	9.962	ng		98
28) bis(2-Chloroethoxy)met...	10.005	93	508512	10.270	ng		99
29) 2,4-Dichlorophenol	10.240	162	220504	9.322	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	293816	9.689	ng		96
31) Naphthalene	10.646	128	922302	9.962	ng		99
32) Benzoic acid	9.828	122	72405	10.529	ng		89
33) 4-Chloroaniline	10.740	127	357126	10.269	ng		98
34) Hexachlorobutadiene	10.946	225	188389	9.867	ng		99
35) Caprolactam	11.481	113	101824	10.344	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	332115	10.122	ng		98
37) 2-Methylnaphthalene	12.257	142	657592	10.407	ng		99
38) 1-Methylnaphthalene	12.475	142	651444	10.453	ng		99
40) 1,2,4,5-Tetrachloroben...	12.628	216	354329	9.274	ng		100
41) Hexachlorocyclopentadiene	12.622	237	99734	8.236	ng		96
43) 2,4,6-Trichlorophenol	12.863	196	185031	8.718	ng		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	206114	8.741	ng		99
46) 1,1'-Biphenyl	13.275	154	912835	9.894	ng		99
47) 2-Chloronaphthalene	13.310	162	700953	9.759	ng		99
48) 2-Nitroaniline	13.504	65	117865	10.374	ng		97
49) Acenaphthylene	14.169	152	1049611	9.941	ng		100
50) Dimethylphthalate	13.893	163	889818	10.190	ng		100
51) 2,6-Dinitrotoluene	14.004	165	122236	10.348	ng		90
52) Acenaphthene	14.516	154	690129	9.961	ng		100
53) 3-Nitroaniline	14.328	138	120754	10.365	ng	#	95
54) 2,4-Dinitrophenol	14.540	184	29452	10.721	ng	#	52
55) Dibenzofuran	14.851	168	1067432	10.016	ng		100
56) 4-Nitrophenol	14.628	139	91997	11.027	ng		92
57) 2,4-Dinitrotoluene	14.804	165	139246	10.586	ng		94
58) Fluorene	15.522	166	912792	10.425	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.075	232	181235	9.055	ng		99
60) Diethylphthalate	15.292	149	909304	10.148	ng		98
61) 4-Chlorophenyl-phenyle...	15.516	204	471863	10.426	ng		98
62) 4-Nitroaniline	15.516	138	129100	9.743	ng		87
63) Azobenzene	15.810	77	1159642	10.529	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	44079	11.022	ng		91
66) n-Nitrosodiphenylamine	15.722	169	757847	10.103	ng		100
67) 4-Bromophenyl-phenylether	16.422	248	293464	9.906	ng		98
68) Hexachlorobenzene	16.545	284	347933	9.938	ng		96
69) Atrazine	16.698	200	260277	10.106	ng		99
70) Pentachlorophenol	16.892	266	150520	7.877	ng		99
71) Phenanthrene	17.298	178	1348415	10.017	ng		99
72) Anthracene	17.392	178	1336422	10.123	ng		99
73) Carbazole	17.657	167	1267960	9.966	ng		99
74) Di-n-butylphthalate	18.275	149	1490471	9.539	ng		99
75) Fluoranthene	19.375	202	1613504	9.769	ng		100
77) Benzidine	19.569	184	336598	9.509	ng		99
78) Pyrene	19.751	202	1667213	11.243	ng		99
80) Butylbenzylphthalate	20.704	149	414136	10.409	ng		96
81) Benzo(a)anthracene	21.680	228	1415007	9.936	ng		100
82) 3,3'-Dichlorobenzidine	21.598	252	405660	8.884	ng		99
83) Chrysene	21.751	228	1338613	9.955	ng		99
84) Bis(2-ethylhexyl)phtha...	21.639	149	720802	8.563	ng		100
85) Di-n-octyl phthalate	22.951	149	951183	10.621	ng		99
87) Indeno(1,2,3-cd)pyrene	28.974	276	1255326	8.917	ng		98
88) Benzo(b)fluoranthene	24.021	252	1250809	10.027	ng		99
89) Benzo(k)fluoranthene	24.092	252	1195420	9.824	ng		99
90) Benzo(a)pyrene	24.927	252	1035462	9.565	ng		99
91) Dibenzo(a,h)anthracene	29.051	278	1047693	8.956	ng		99
92) Benzo(g,h,i)perylene	30.168	276	1037272	8.847	ng		99

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

ICAL Form

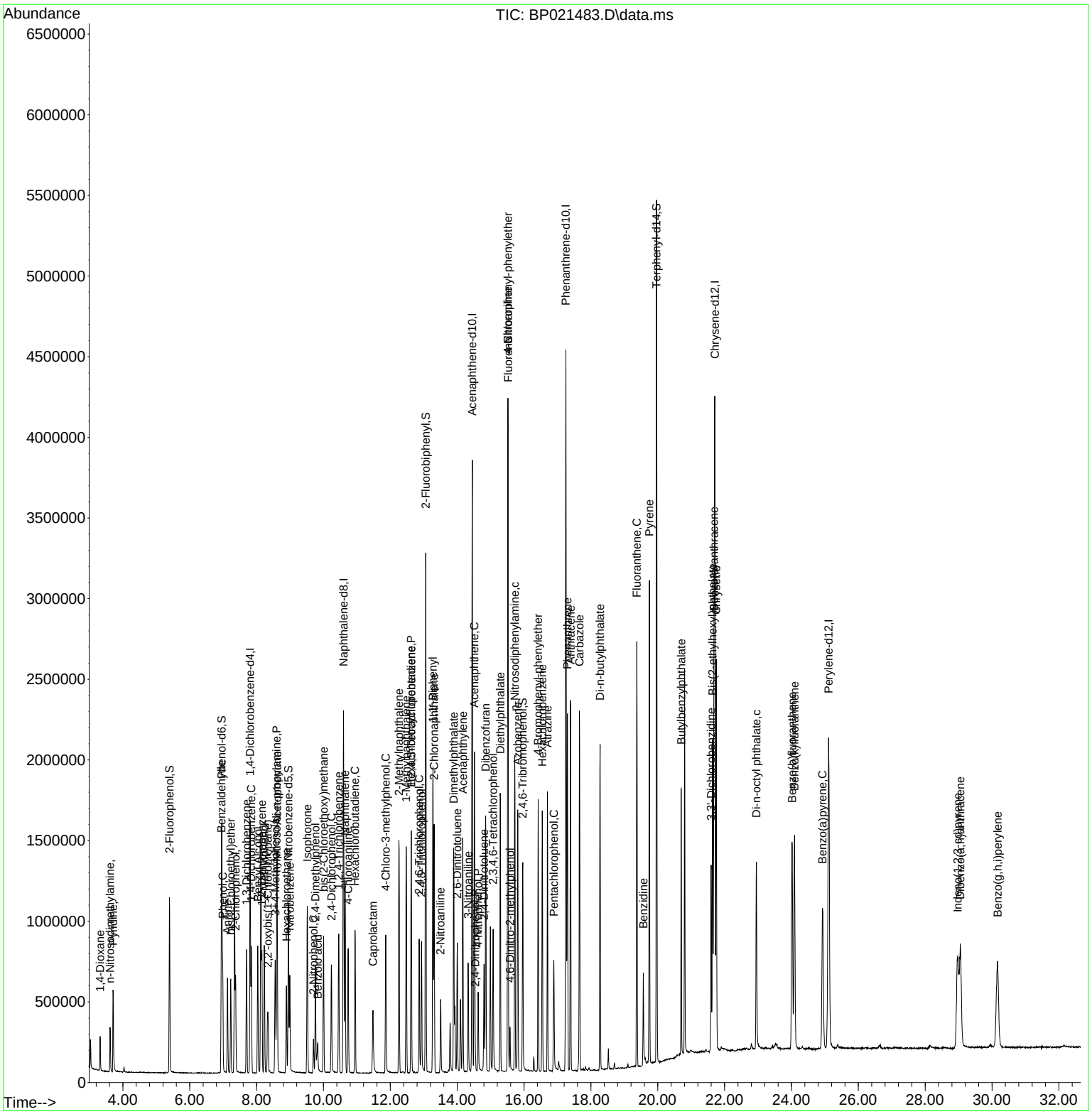
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

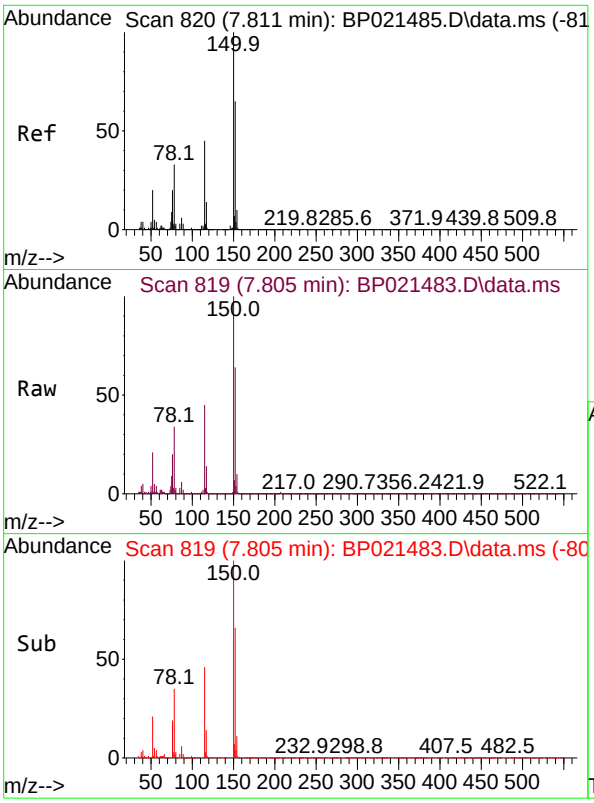
Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

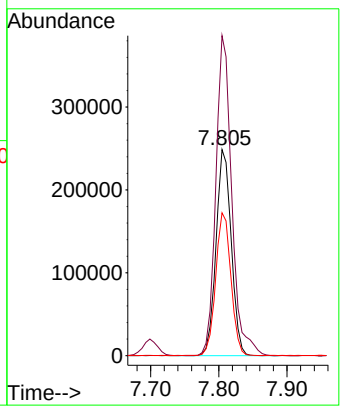




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:152 Resp: 38543

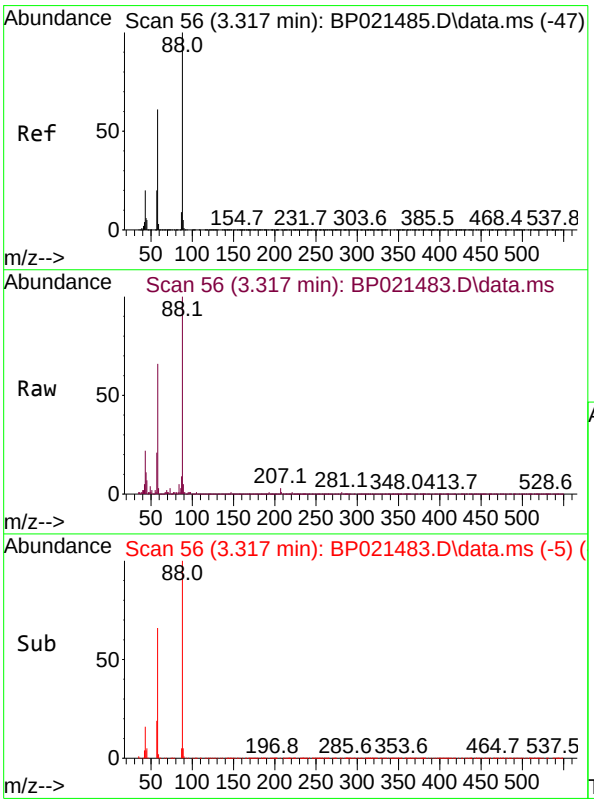
Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

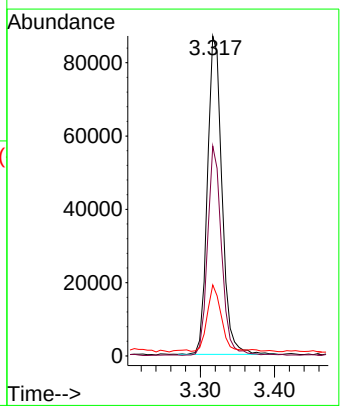
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

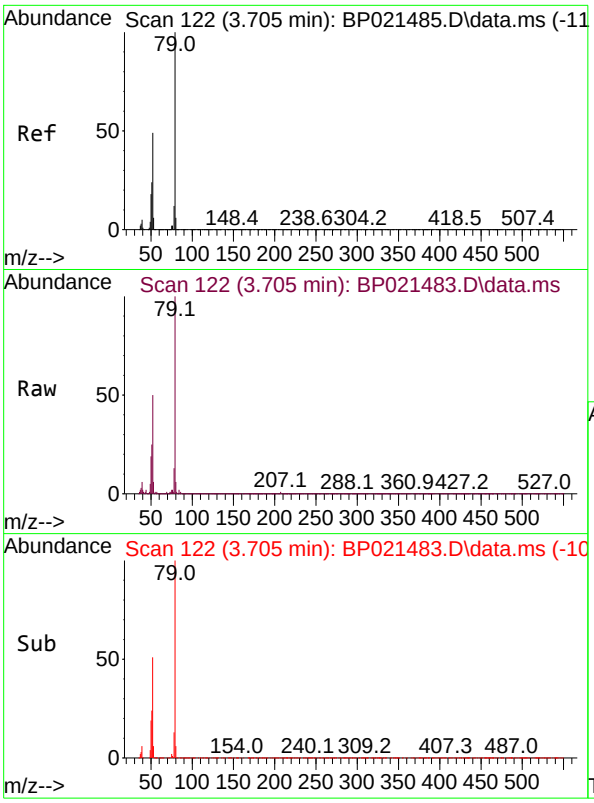


#2
1,4-Dioxane
Concen: 9.611 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 88 Resp: 118289

Ion	Ratio	Lower	Upper
88	100		
58	63.3	48.7	73.1
43	19.9	15.4	23.2

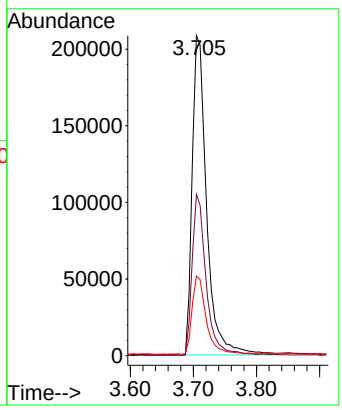




#3
Pyridine
Concen: 9.645 ng
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 79 Resp: 33140

Ion	Ratio	Lower	Upper
79	100		
52	50.4	39.0	58.6
51	24.9	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
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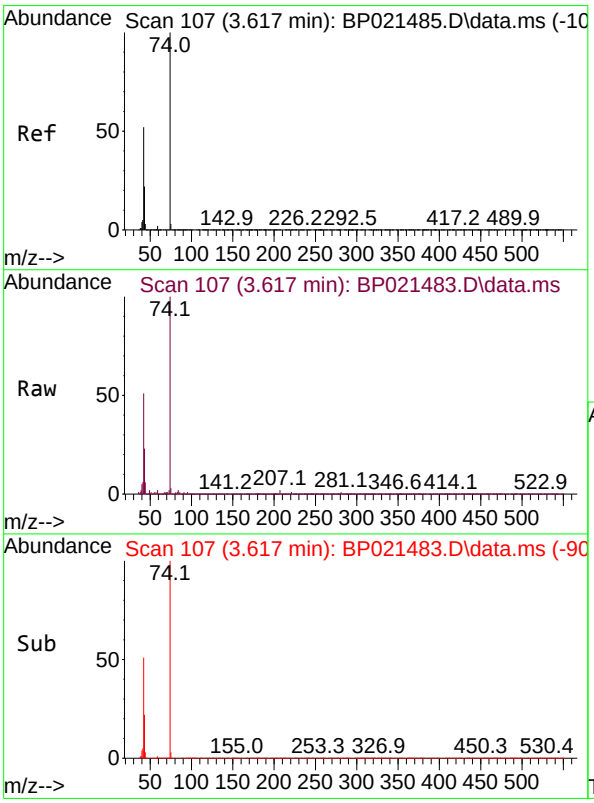
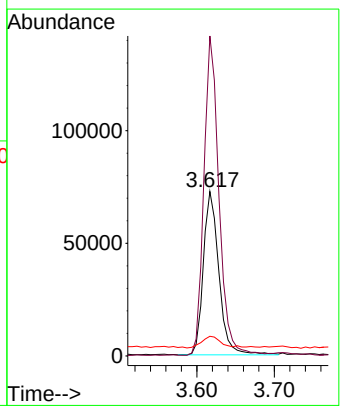
Supervised By :mohammad ahmed 08/14/2024

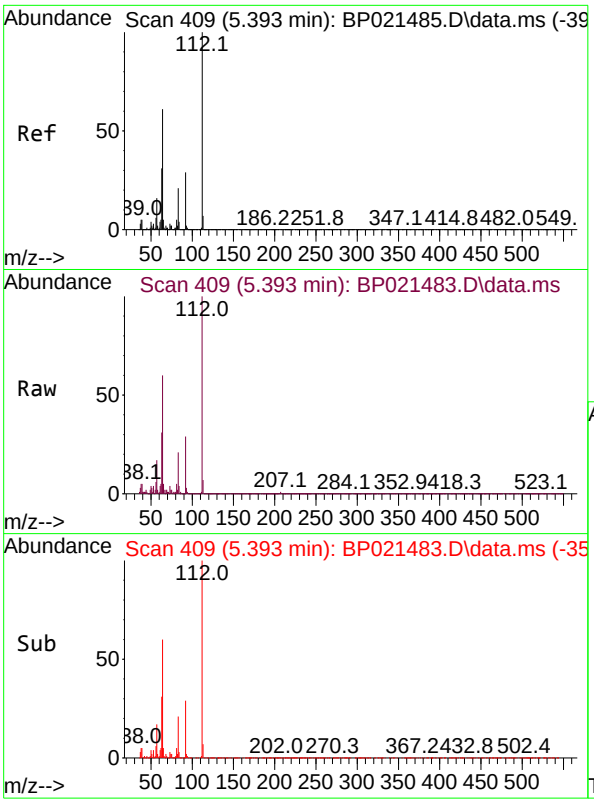


#4
n-Nitrosodimethylamine
Concen: 9.794 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 42 Resp: 101144

Ion	Ratio	Lower	Upper
42	100		
74	194.5	154.3	231.5
44	12.0	6.2	9.4#

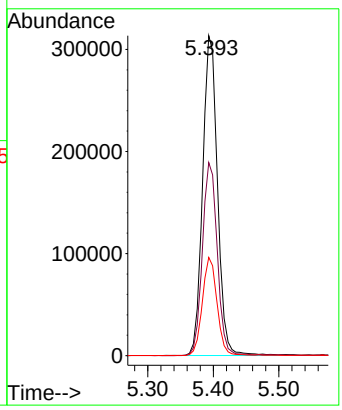




#5
2-Fluorophenol
Concen: 19.090 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:112 Resp: 49552

Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.0	73.6
63	30.7	24.6	36.8



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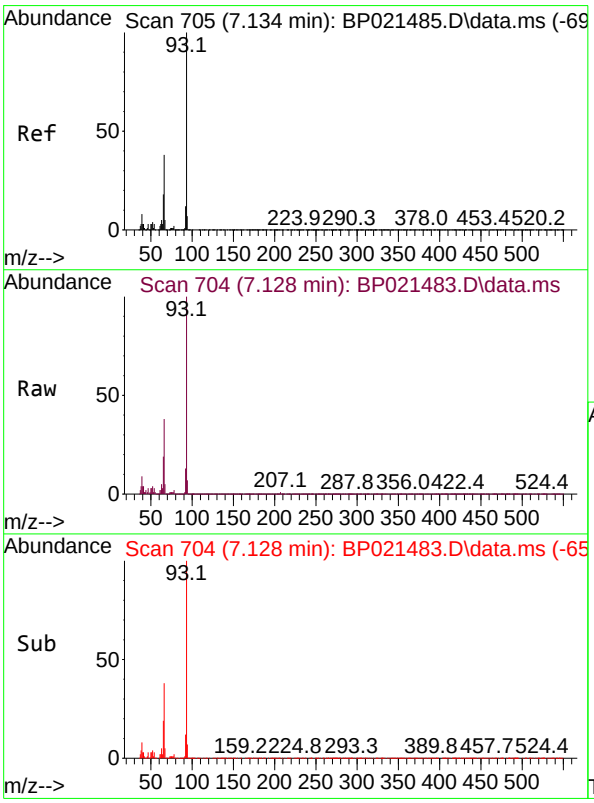
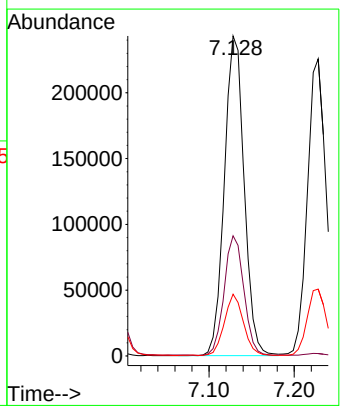
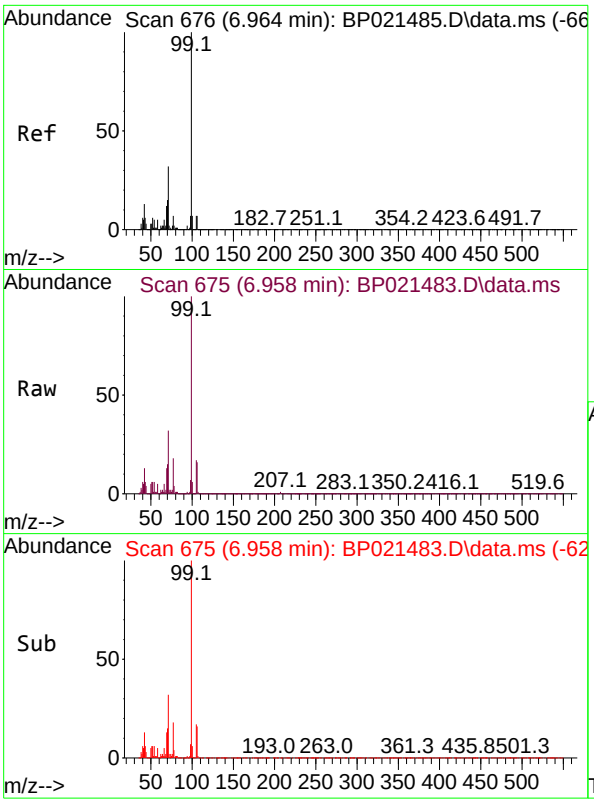


#6
Aniline
Concen: 10.359 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 392151

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.3	14.7	22.1

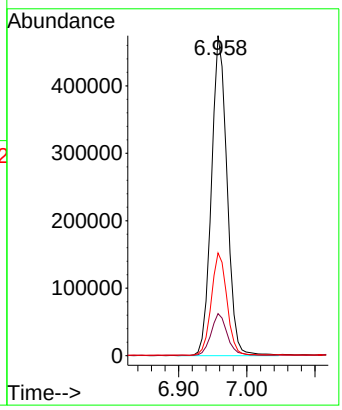




#7
Phenol-d6
Concen: 19.953 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 99 Resp: 75555

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.1	25.8	38.8



Instrument :
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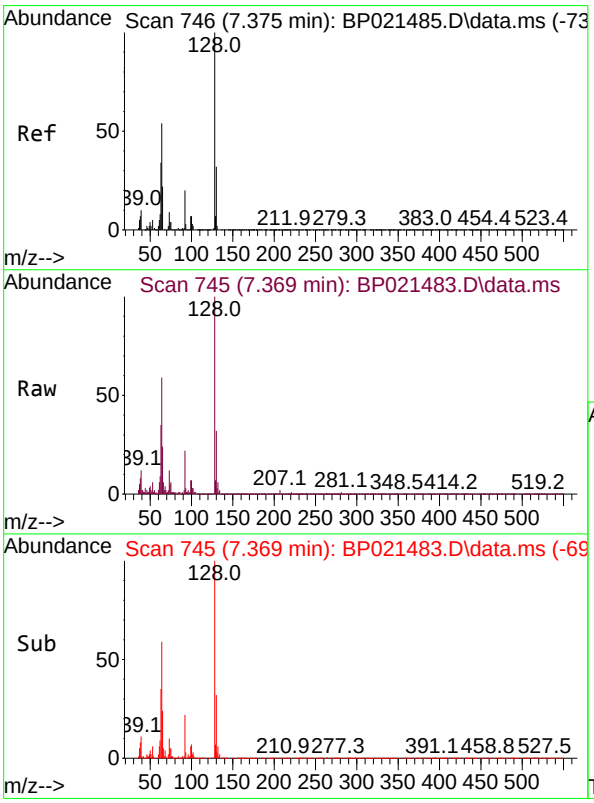
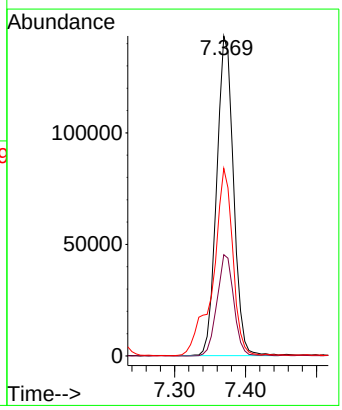
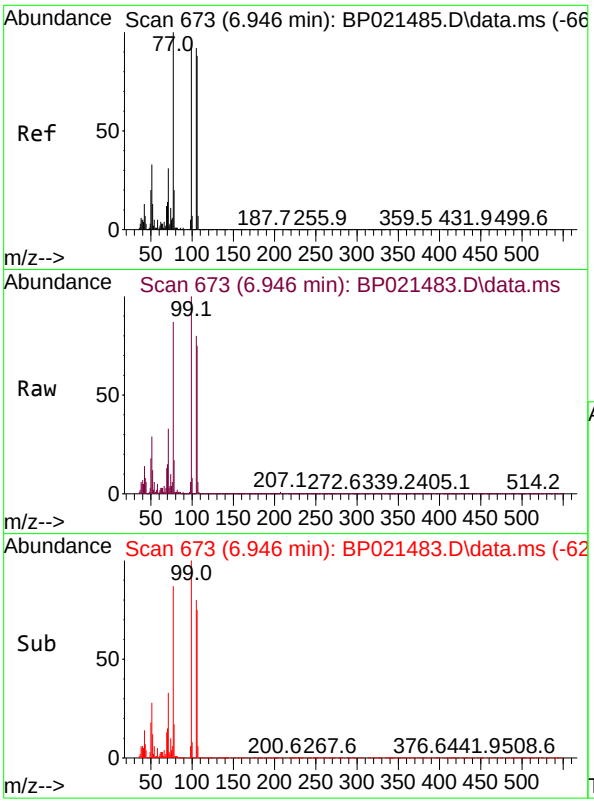


#8
2-Chlorophenol
Concen: 9.811 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 235350

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	58.6	35.3	75.3

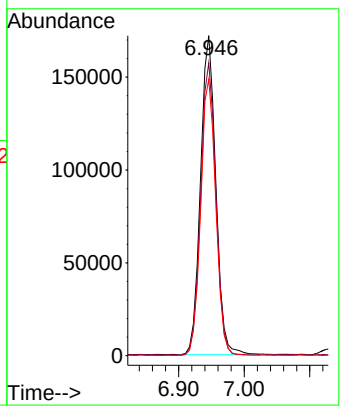




#9
Benzaldehyde
Concen: 11.503 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 27889

Ion	Ratio	Lower	Upper
77	100		
105	91.5	72.1	112.1
106	86.4	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
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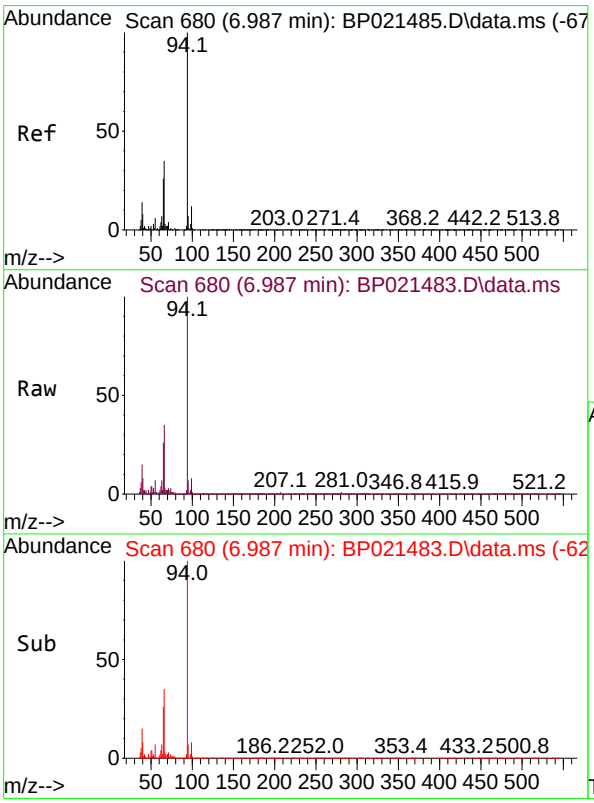
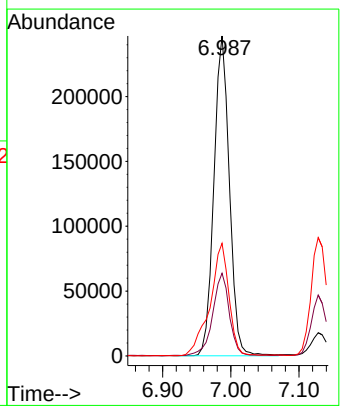
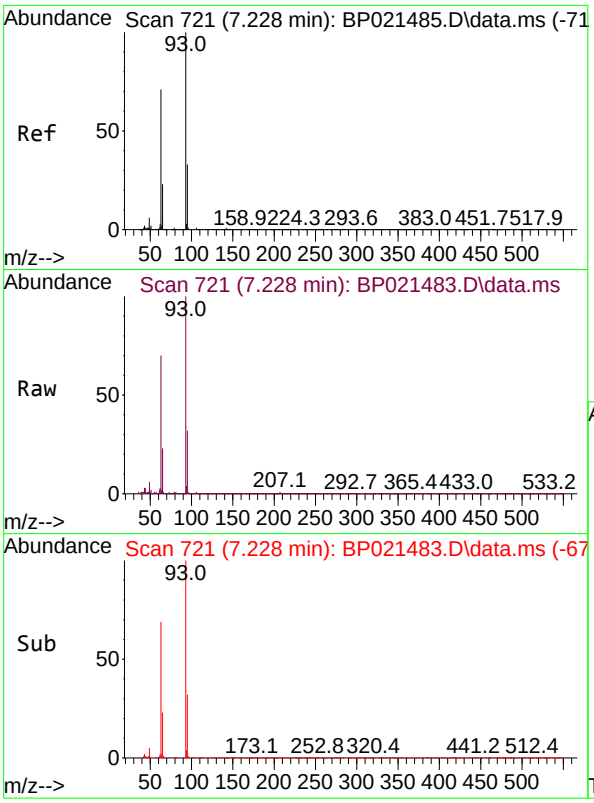


#10
Phenol
Concen: 9.945 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 94 Resp: 389958

Ion	Ratio	Lower	Upper
94	100		
65	25.9	6.5	46.5
66	35.2	14.7	54.7

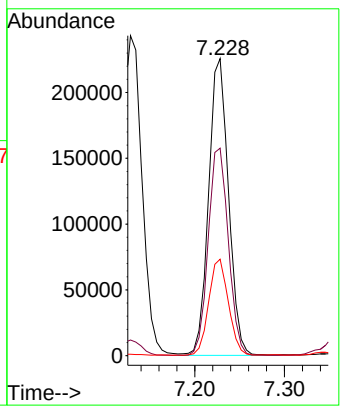




#11
bis(2-Chloroethyl)ether
Concen: 10.456 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 34694

Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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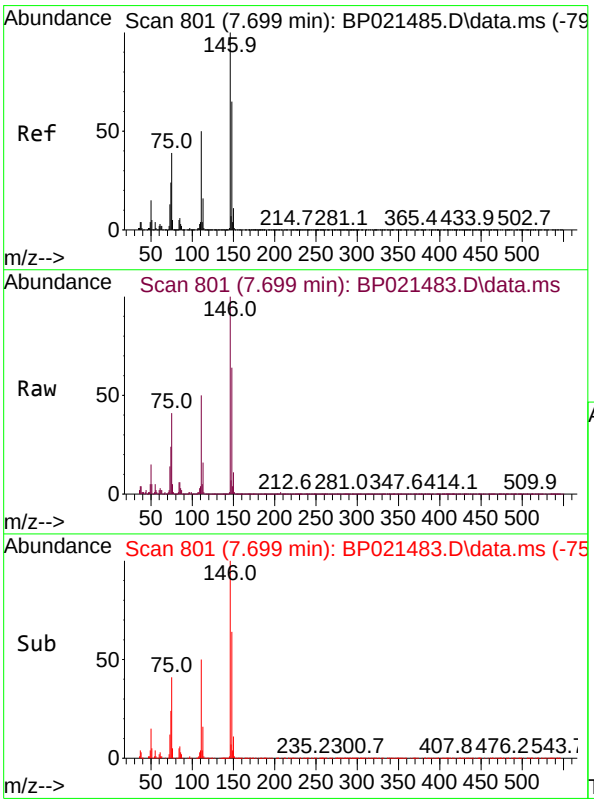
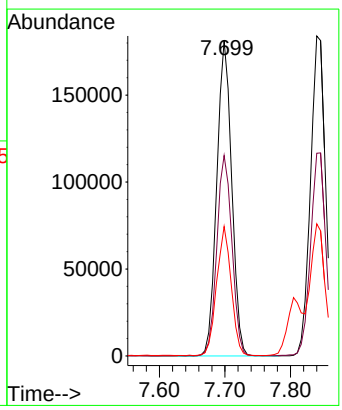
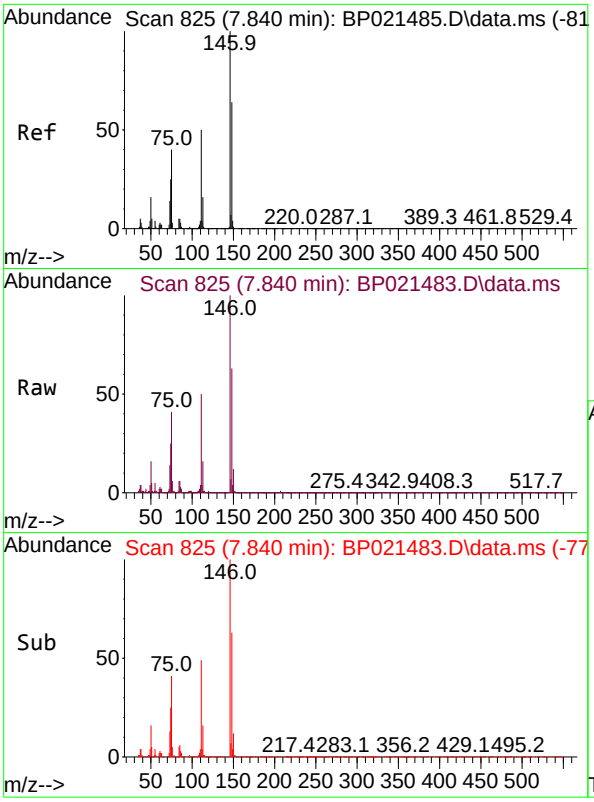


#12
1,3-Dichlorobenzene
Concen: 10.006 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 285122

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
75	41.0	31.3	46.9

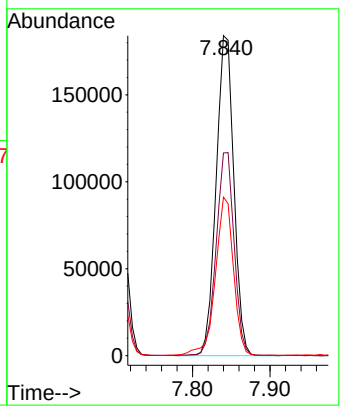




#13
1,4-Dichlorobenzene
Concen: 10.140 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 29175

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.5	77.3
111	49.6	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
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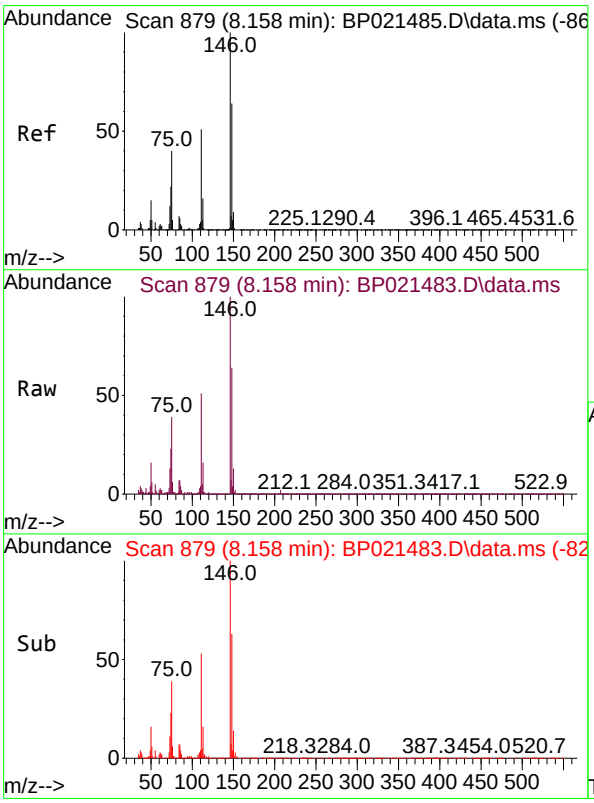
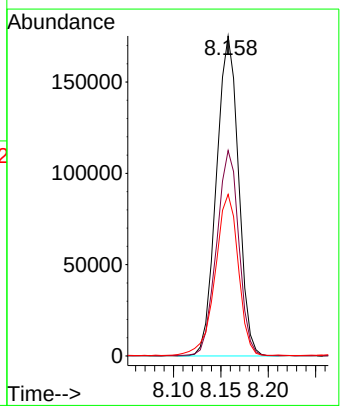
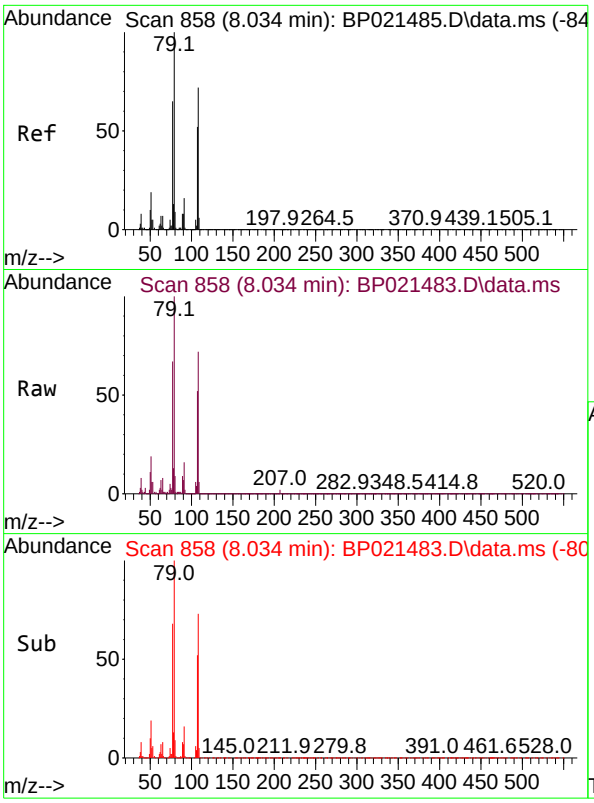


#14
1,2-Dichlorobenzene
Concen: 10.251 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 284225

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.5	77.3
111	50.5	41.1	61.7





#15
Benzyl Alcohol
Concen: 10.315 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 79 Resp: 28025

Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	67.5	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
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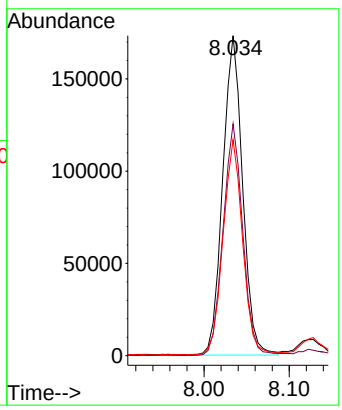
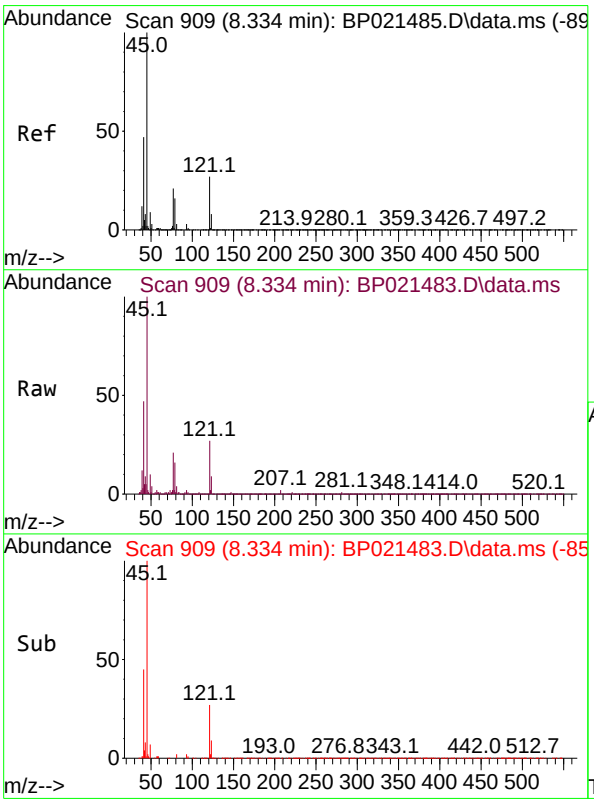
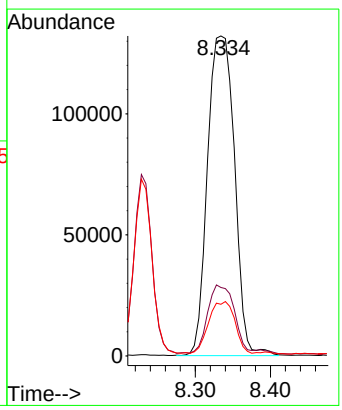


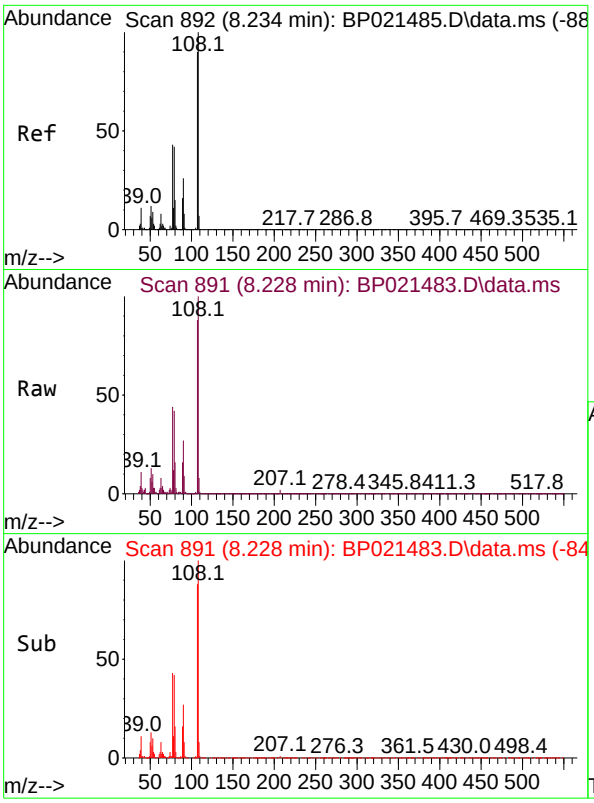


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.822 ng m
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 45 Resp: 330688

Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.1	0.0	36.6

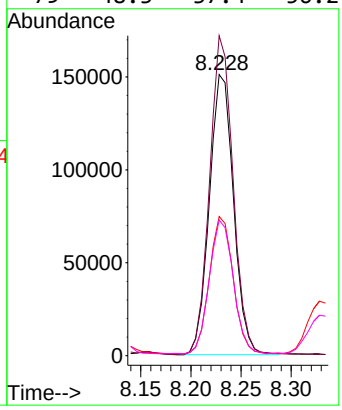




#17
2-Methylphenol
Concen: 10.205 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 25297

Ion	Ratio	Lower	Upper
107	100		
108	113.8	88.8	133.2
77	49.5	38.7	58.1
79	48.3	37.4	56.2



Instrument :
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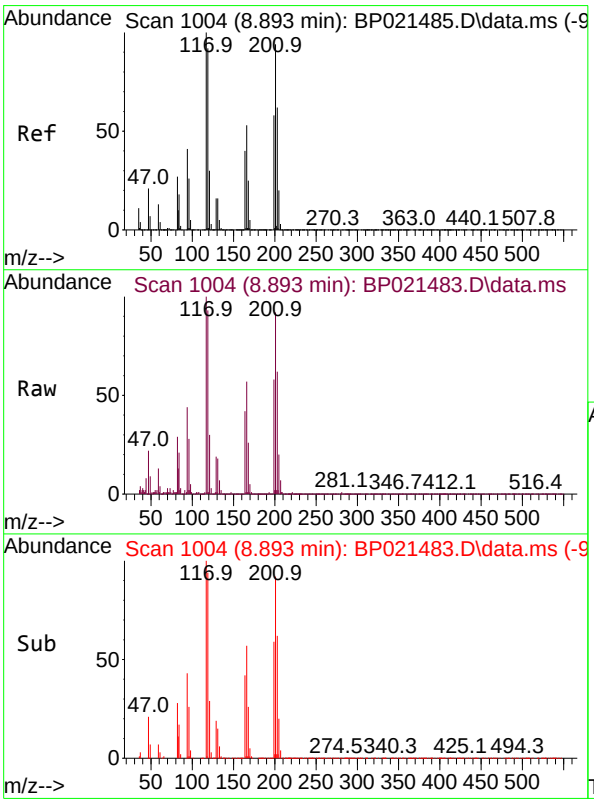
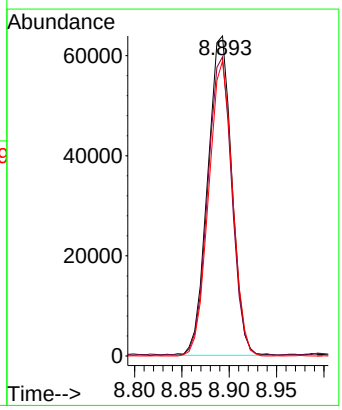
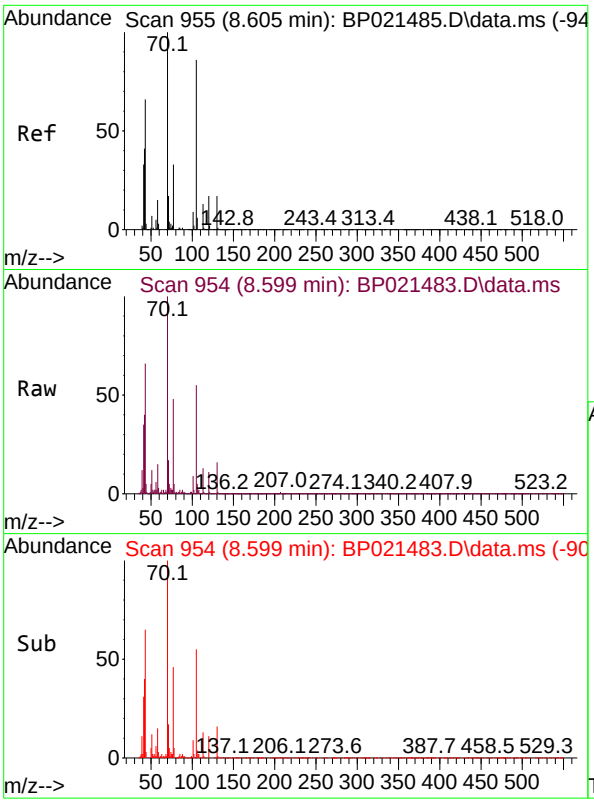


#18
Hexachloroethane
Concen: 9.855 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:117 Resp: 113709

Ion	Ratio	Lower	Upper
117	100		
119	93.5	73.9	110.9
201	92.1	74.9	112.3

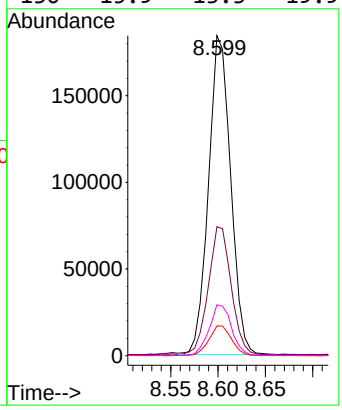




#19
n-Nitroso-di-n-propylamine
Concen: 11.459 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 70 Resp: 29973

Ion	Ratio	Lower	Upper
70	100		
42	40.3	33.1	49.7
101	9.3	7.4	11.2
130	15.9	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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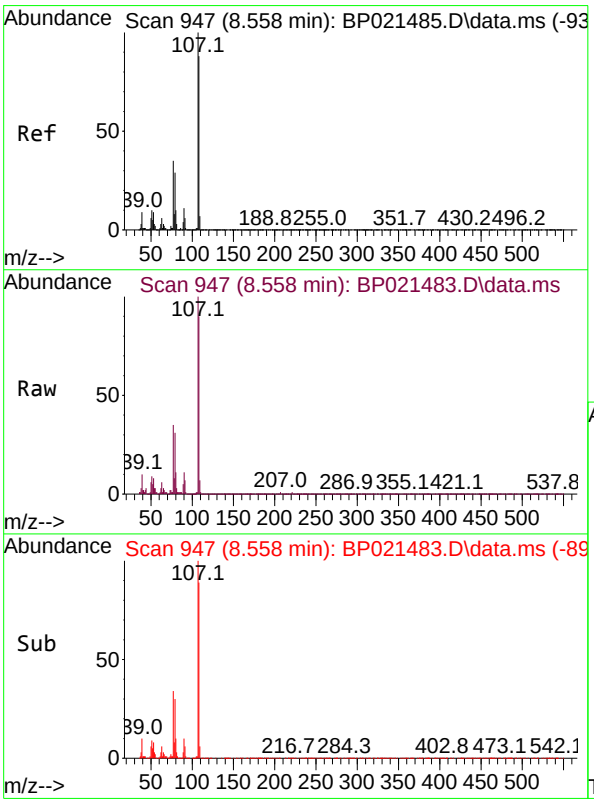
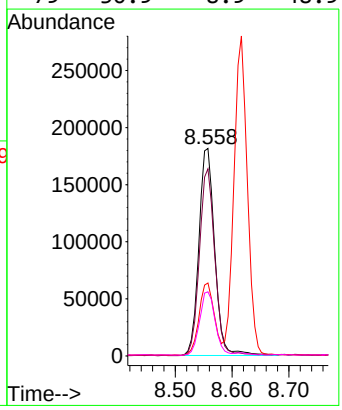
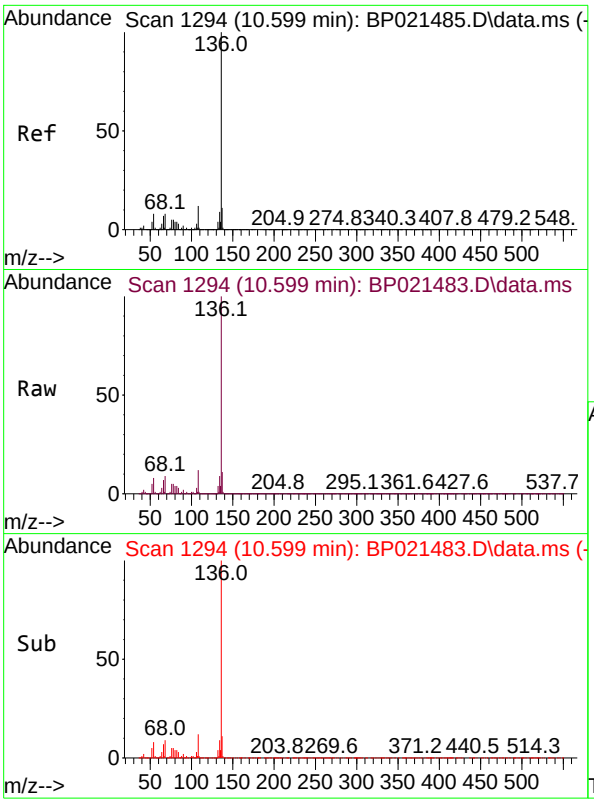


#20
3+4-Methylphenols
Concen: 10.496 ng
RT: 8.558 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 350826

Ion	Ratio	Lower	Upper
107	100		
108	90.2	67.6	107.6
77	35.1	15.0	55.0
79	30.9	8.9	48.9

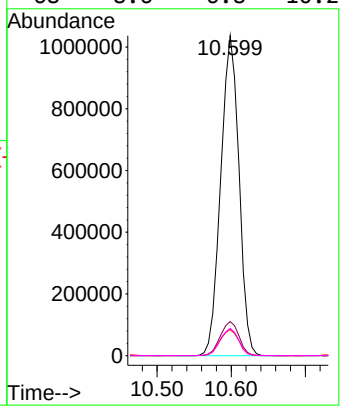




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:136 Resp: 177228

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	6.3	9.5
68	8.6	6.8	10.2



Instrument :
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ClientSampleId :
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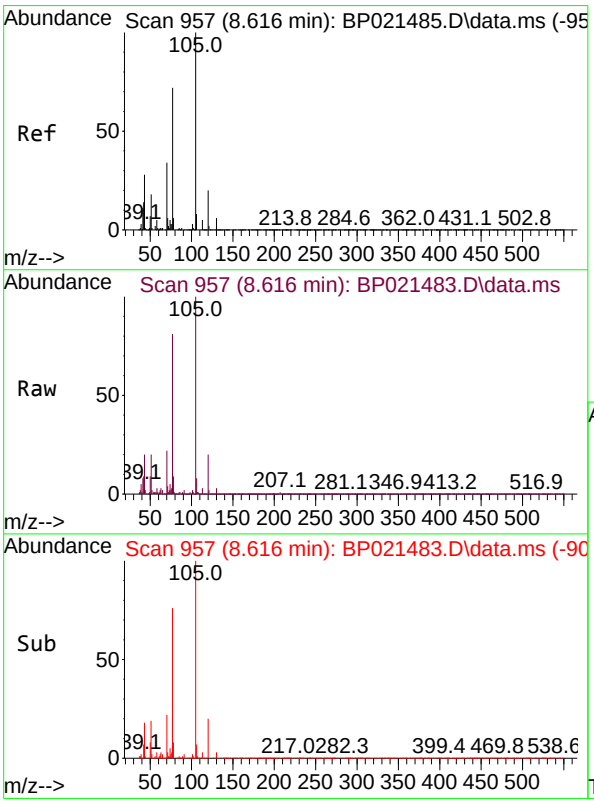
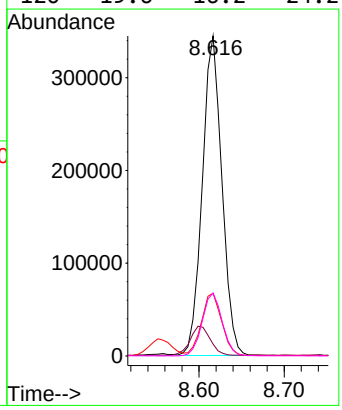
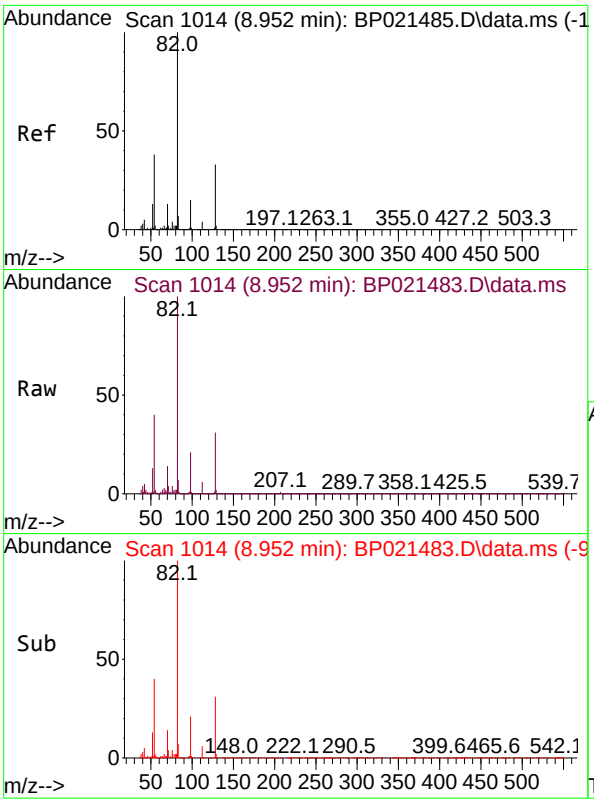


#22
Acetophenone
Concen: 10.104 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:105 Resp: 550125

Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.6	7.0#
51	19.6	16.3	24.5
120	19.6	16.2	24.2

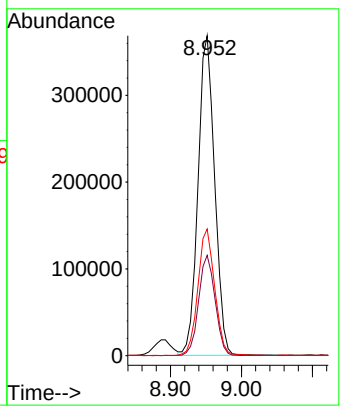




#23
Nitrobenzene-d5
Concen: 17.479 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 60015

Ion	Ratio	Lower	Upper
82	100		
128	31.4	26.5	39.7
54	39.6	30.3	45.5



Instrument :
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ClientSampleId :
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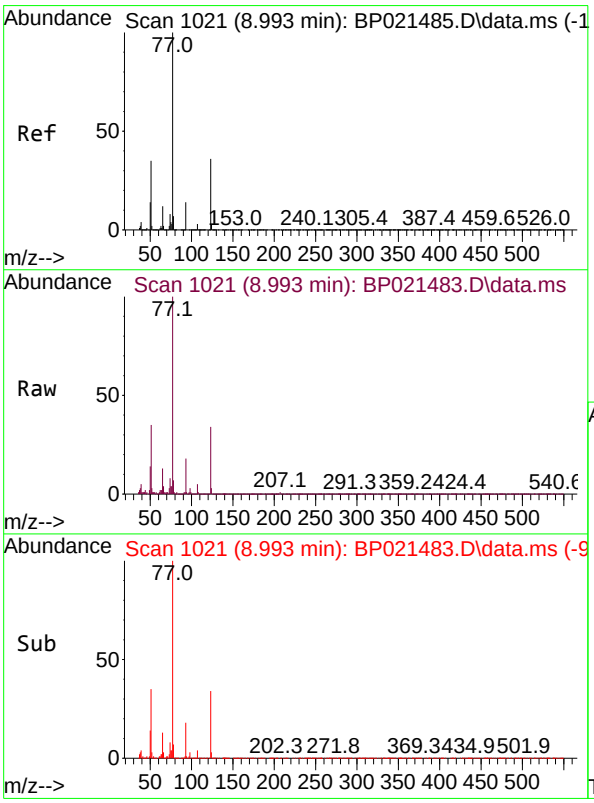
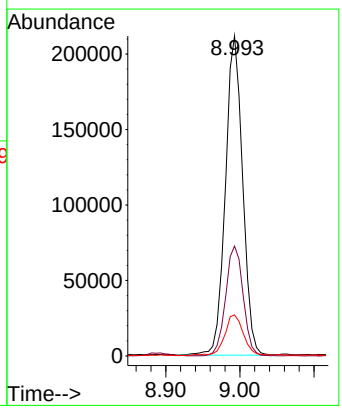
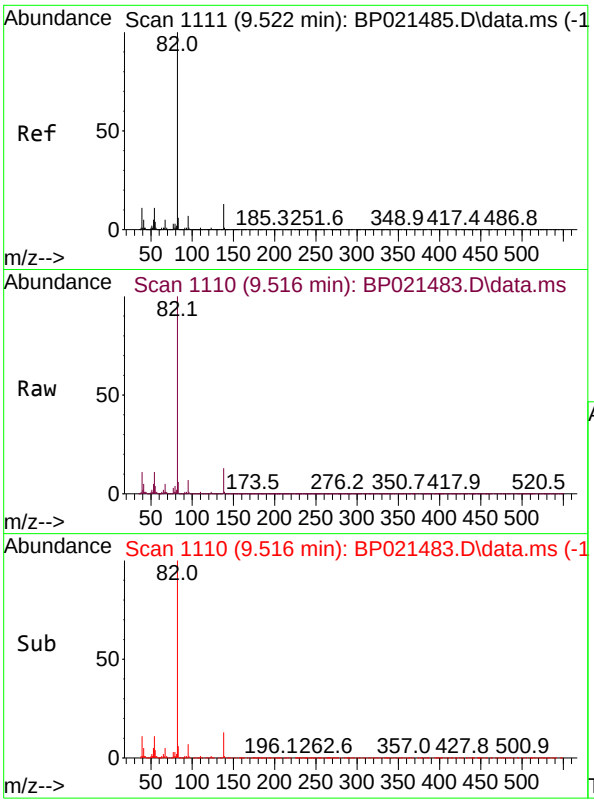


#24
Nitrobenzene
Concen: 9.156 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 341460

Ion	Ratio	Lower	Upper
77	100		
123	34.3	29.5	44.3
65	12.9	9.9	14.9

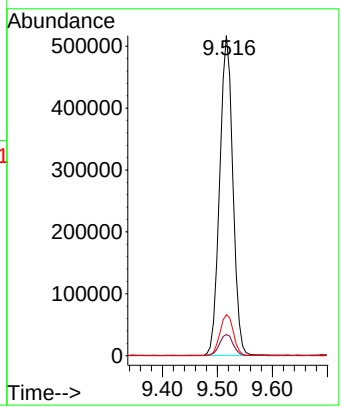




#25
Isophorone
Concen: 10.593 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 85929

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	12.8	10.6	16.0



Instrument :
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ClientSampleId :
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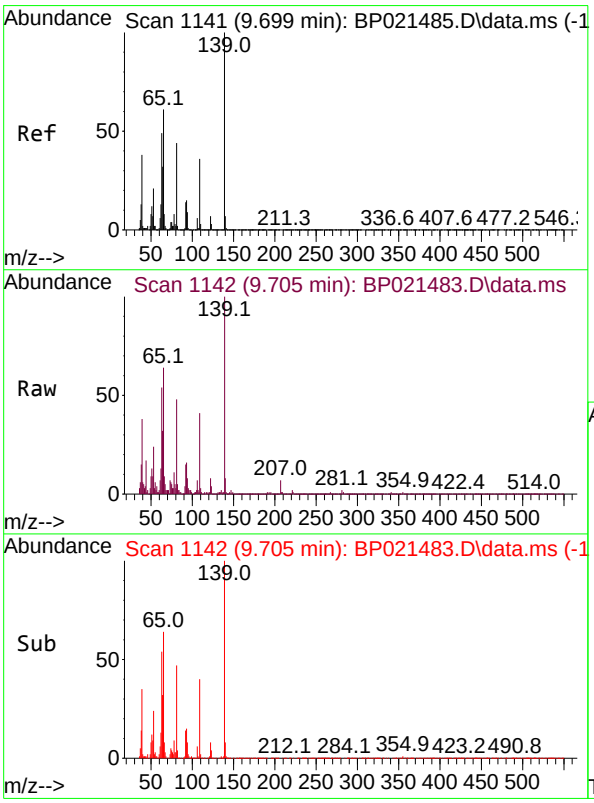
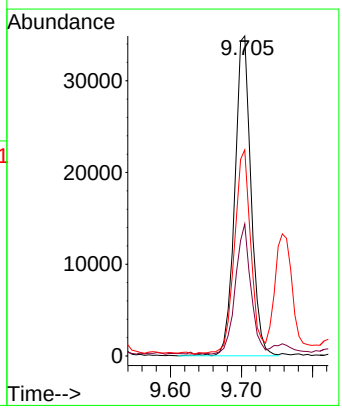
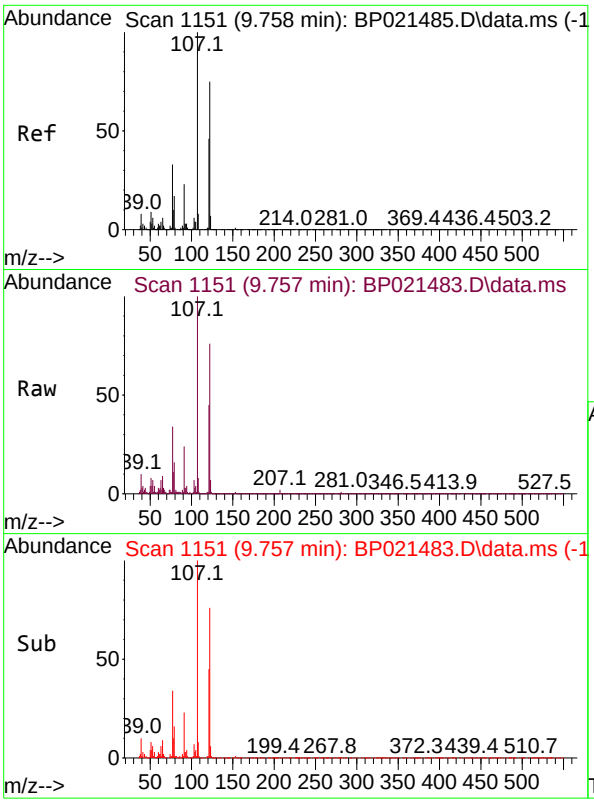


#26
2-Nitrophenol
Concen: 10.066 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 55468

Ion	Ratio	Lower	Upper
139	100		
109	41.2	28.9	43.3
65	64.4	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 9.962 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:122 Resp: 19943

Ion	Ratio	Lower	Upper
122	100		
107	131.6	106.2	159.4
121	58.8	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
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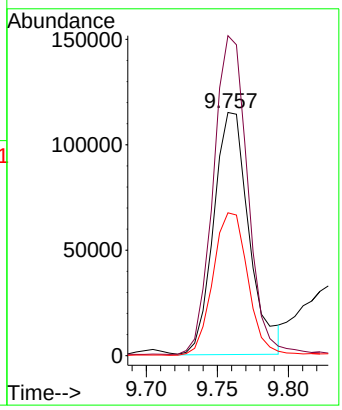
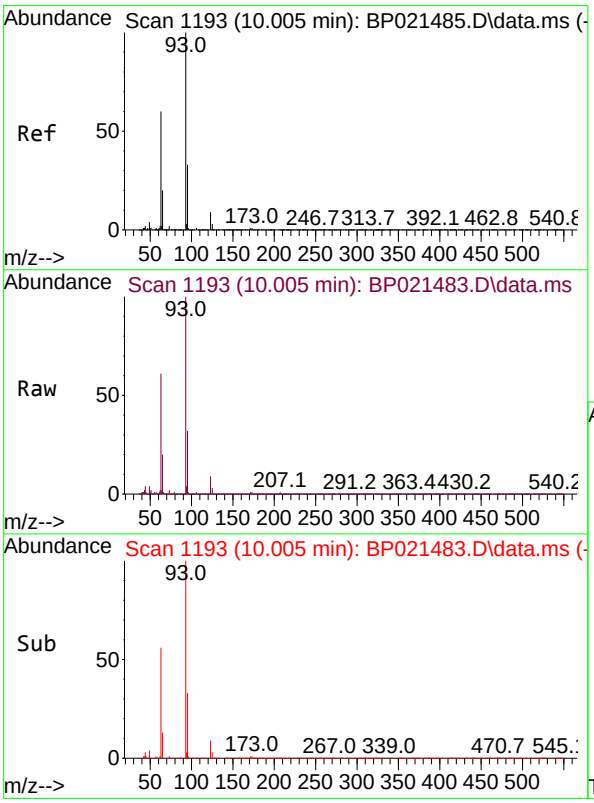
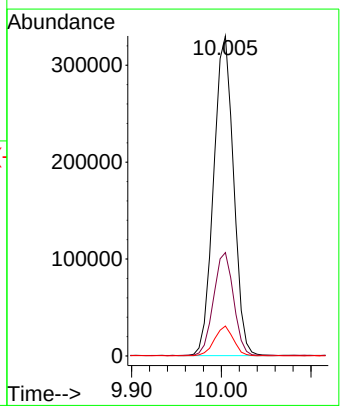


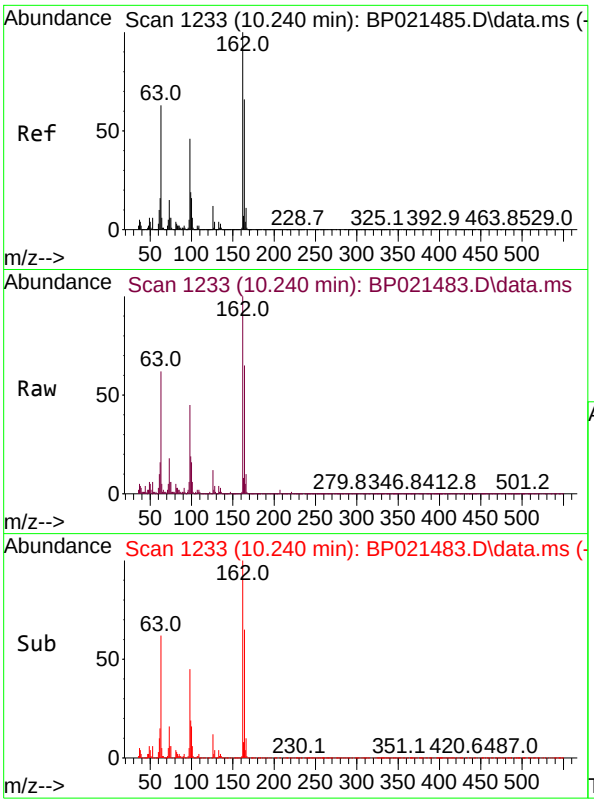


#28
bis(2-Chloroethoxy)methane
Concen: 10.270 ng
RT: 10.005 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 508512

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	9.4	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 9.322 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 22050

Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.9	85.9
98	45.0	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
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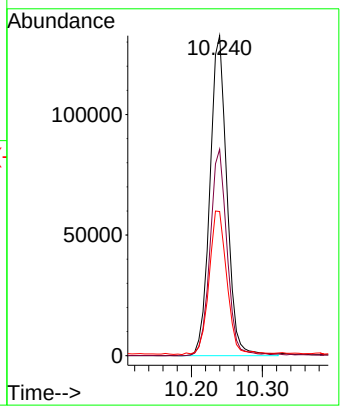
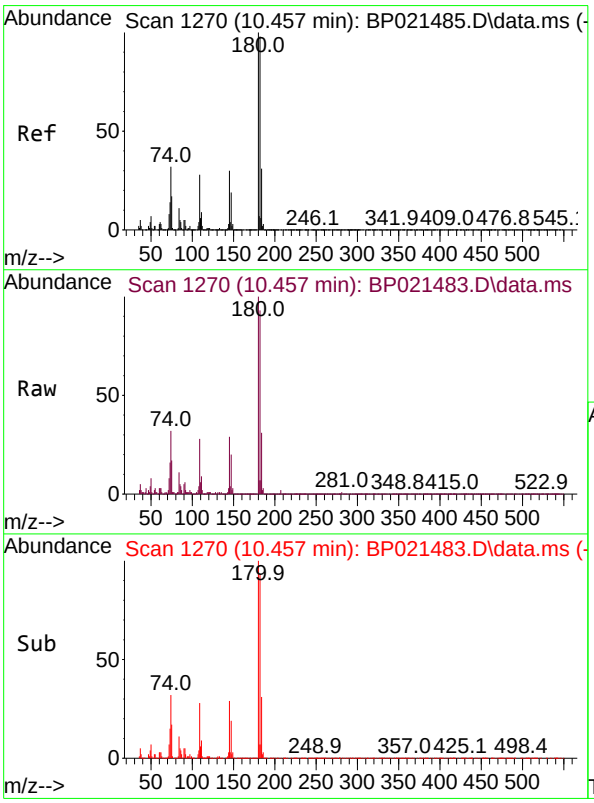
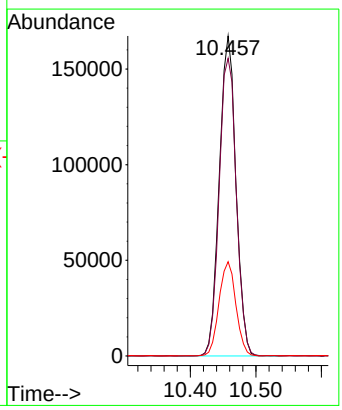


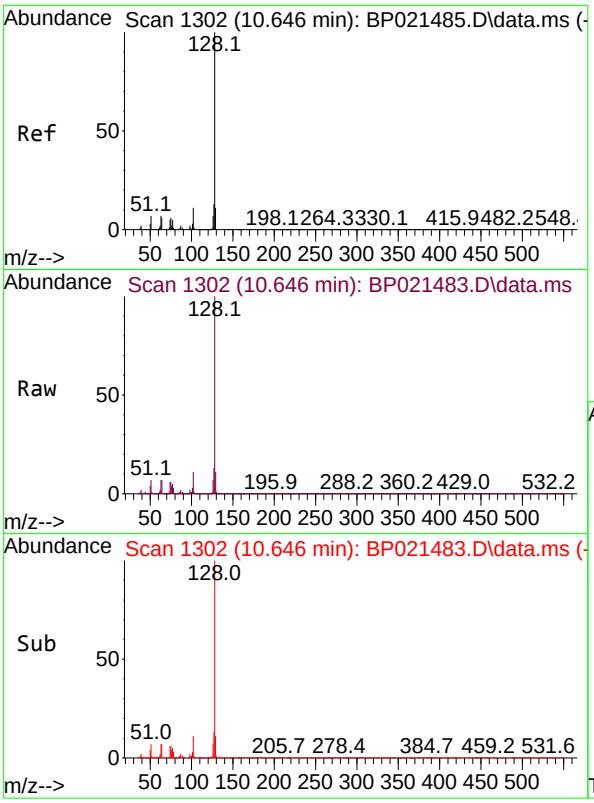


#30
1,2,4-Trichlorobenzene
Concen: 9.689 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:180 Resp: 293816

Ion	Ratio	Lower	Upper
180	100		
182	93.0	78.3	117.5
145	29.5	24.0	36.0

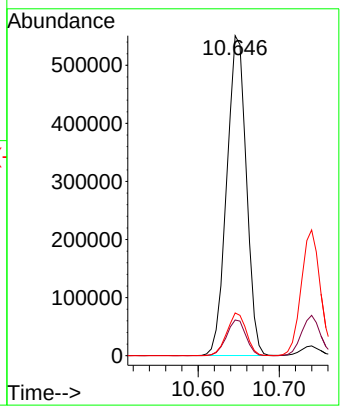




#31
Naphthalene
Concen: 9.962 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 92230

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.4	10.6	15.8



Instrument :
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ClientSampleId :
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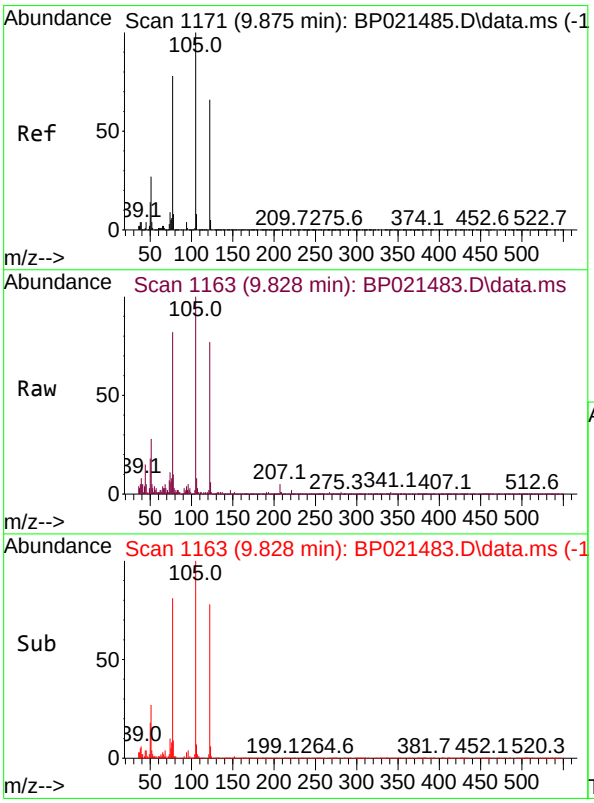
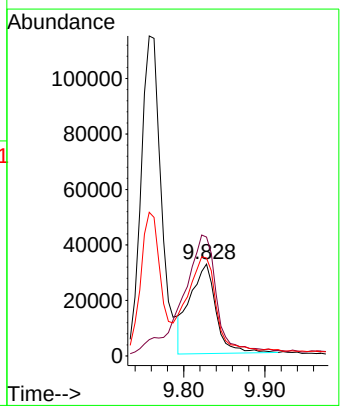
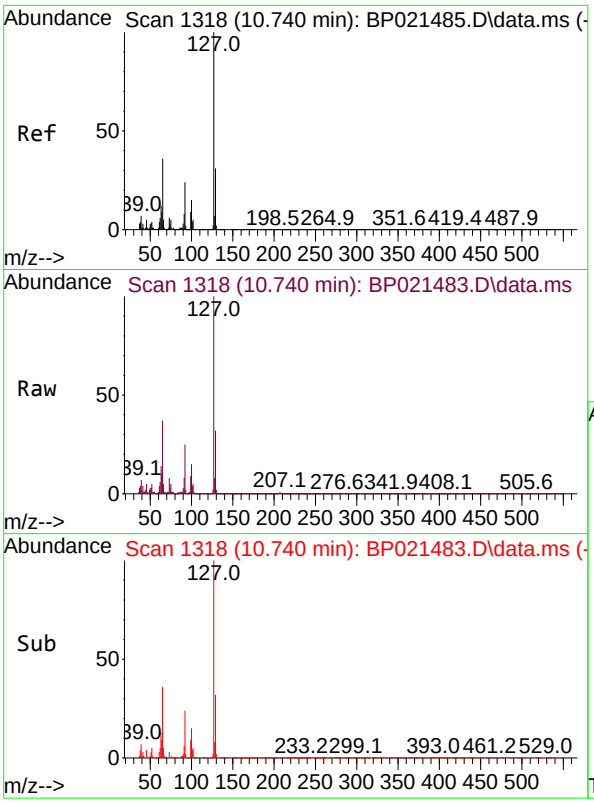


#32
Benzoic acid
Concen: 10.529 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:122 Resp: 72405

Ion	Ratio	Lower	Upper
122	100		
105	129.6	124.6	164.6
77	106.7	96.2	136.2

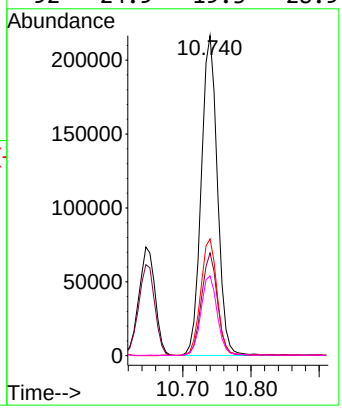




#33
4-Chloroaniline
Concen: 10.269 ng
RT: 10.740 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:127 Resp: 35712

Ion	Ratio	Lower	Upper
127	100		
129	32.1	24.5	36.7
65	36.5	28.9	43.3
92	24.9	19.3	28.9



Instrument :
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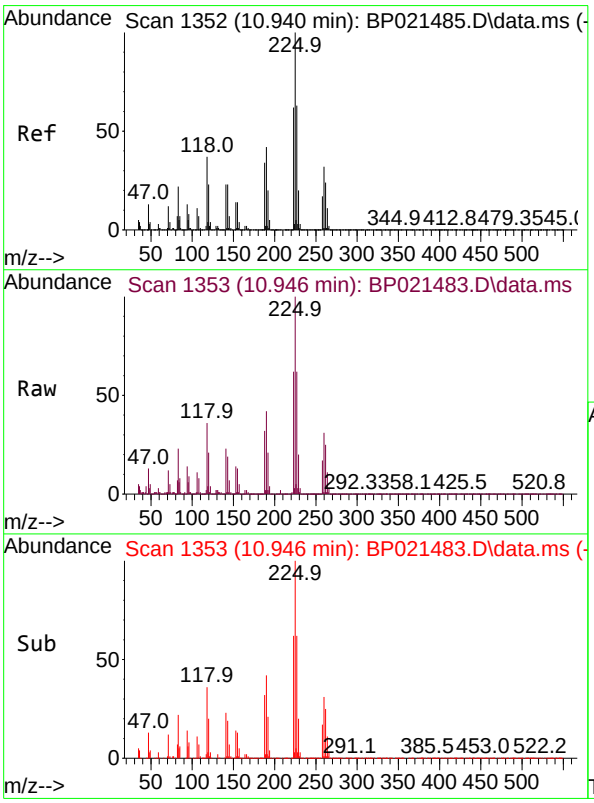
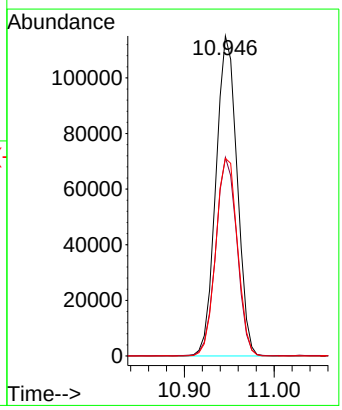
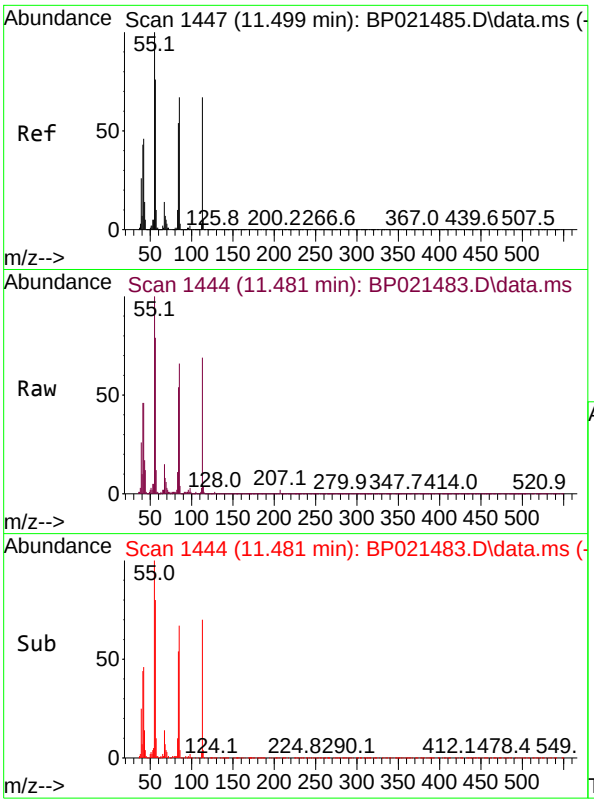


#34
Hexachlorobutadiene
Concen: 9.867 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:225 Resp: 188389

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.6	74.4
227	61.7	50.1	75.1





#35
Caprolactam
Concen: 10.344 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:113 Resp: 10182

Ion	Ratio	Lower	Upper
113	100		
55	145.6	130.6	170.6
56	114.6	94.6	134.6

Instrument :
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ClientSampleId :
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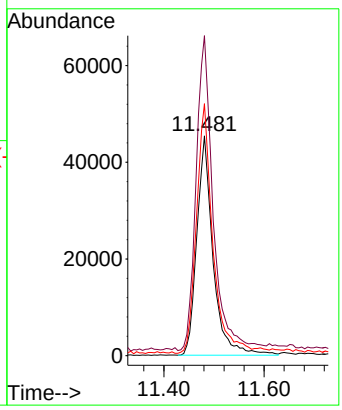
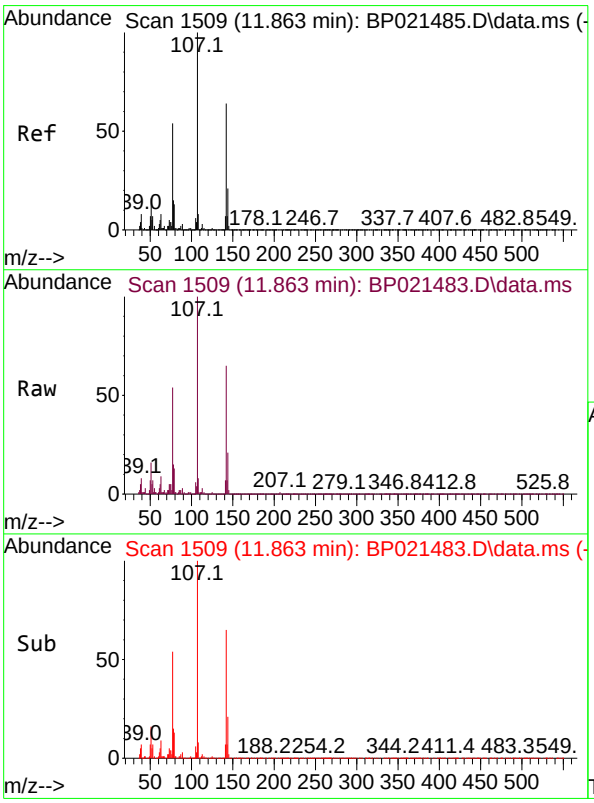
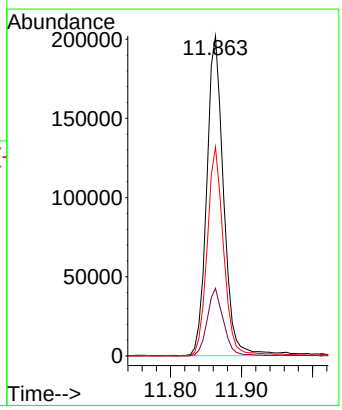


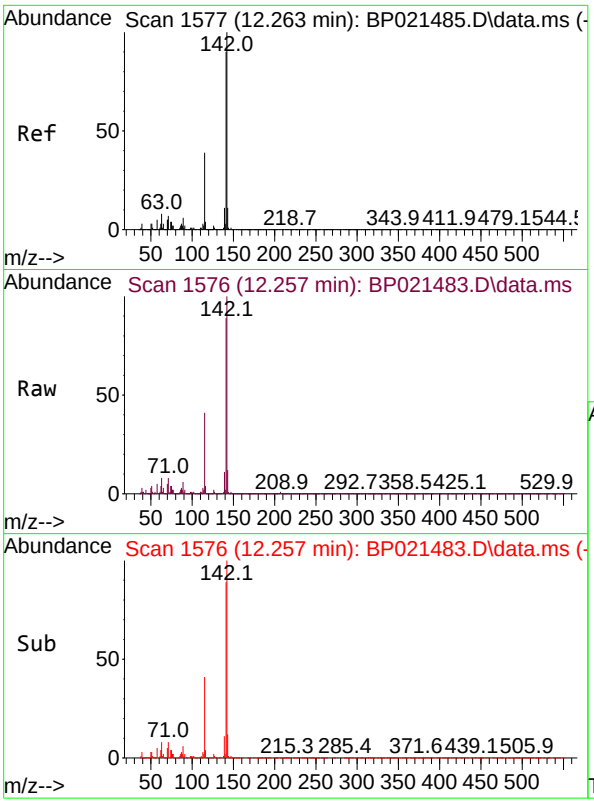


#36
4-Chloro-3-methylphenol
Concen: 10.122 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 332115

Ion	Ratio	Lower	Upper
107	100		
144	21.2	16.6	24.8
142	65.3	51.0	76.4





#37
2-Methylnaphthalene
Concen: 10.407 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 65759

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	40.7	31.4	47.2

Instrument :
BNA_P
ClientSampleId :
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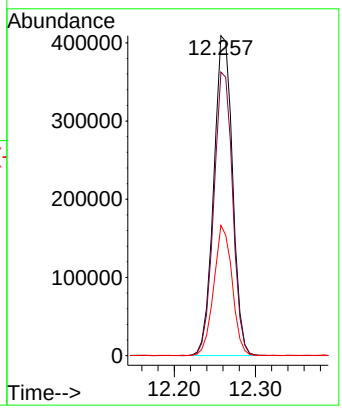
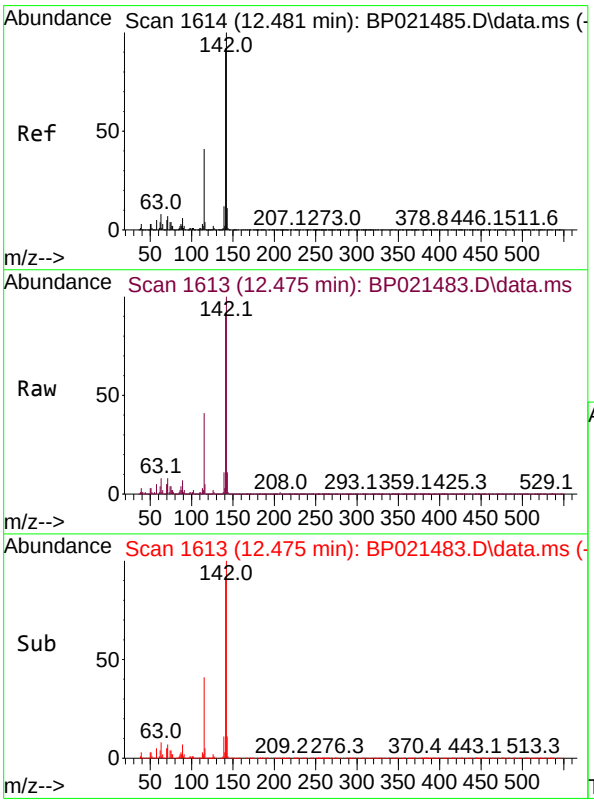
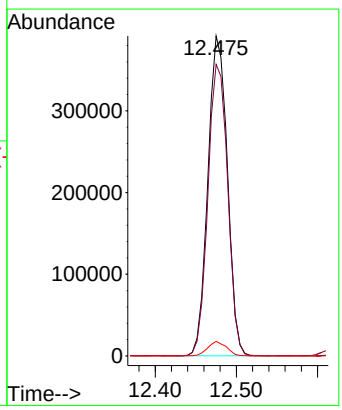


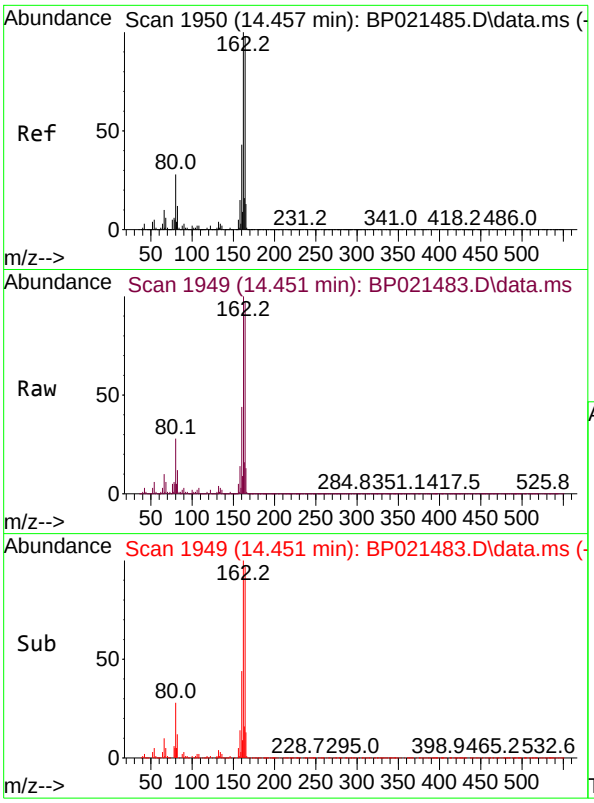


#38
1-Methylnaphthalene
Concen: 10.453 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 651444

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.5	110.3
116	4.5	3.4	5.2

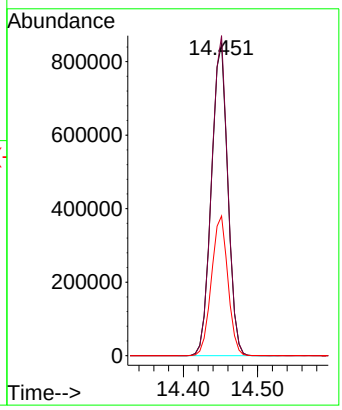




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:164 Resp: 130399

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.5	122.3
160	44.8	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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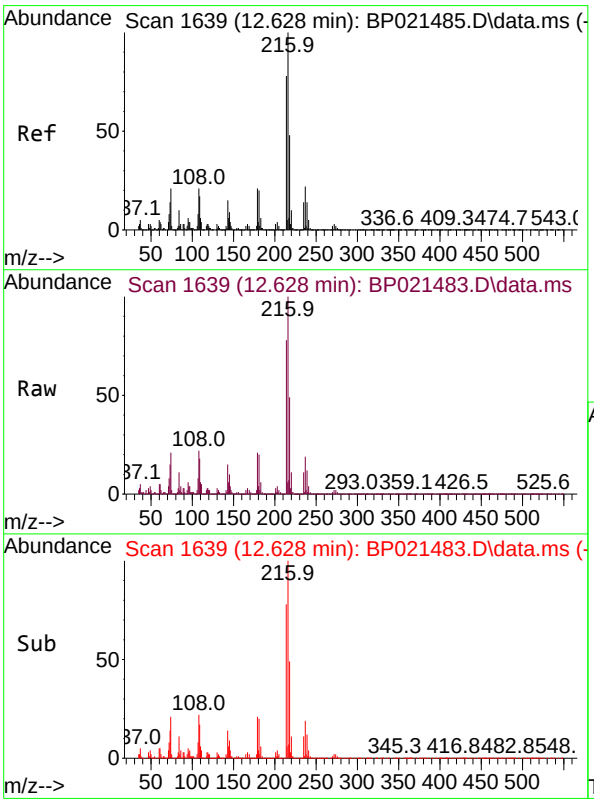
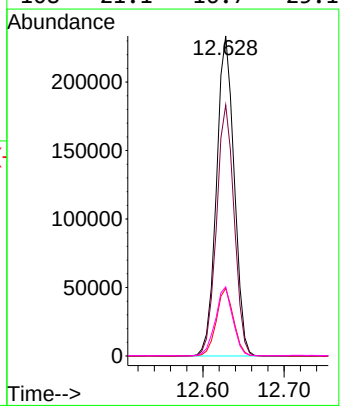
Supervised By :mohammad ahmed 08/14/2024

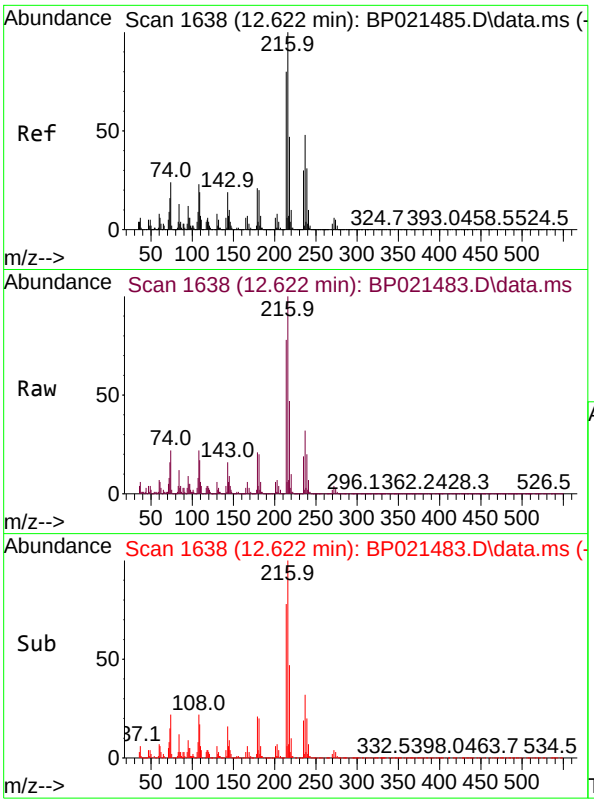


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.274 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:216 Resp: 354329

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.4	16.4	24.6
108	21.1	16.7	25.1

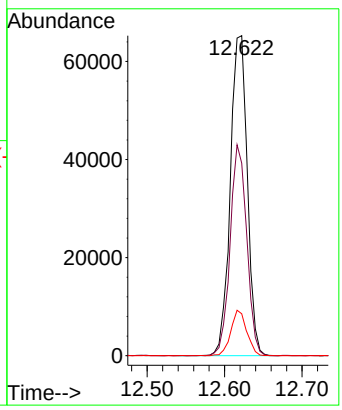




#41
Hexachlorocyclopentadiene
Concen: 8.236 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:237 Resp: 9973

Ion	Ratio	Lower	Upper
237	100		
235	60.1	43.9	83.9
272	13.1	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
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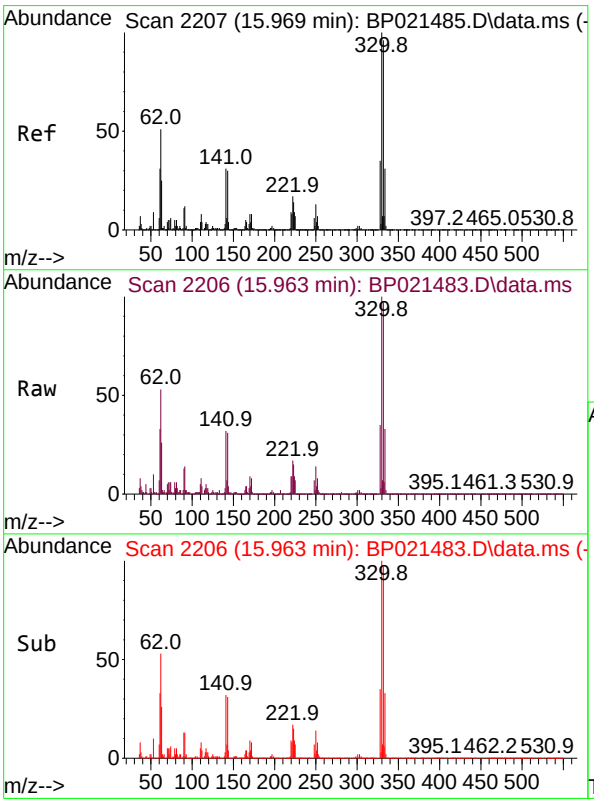
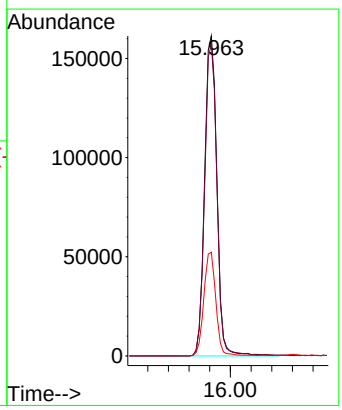
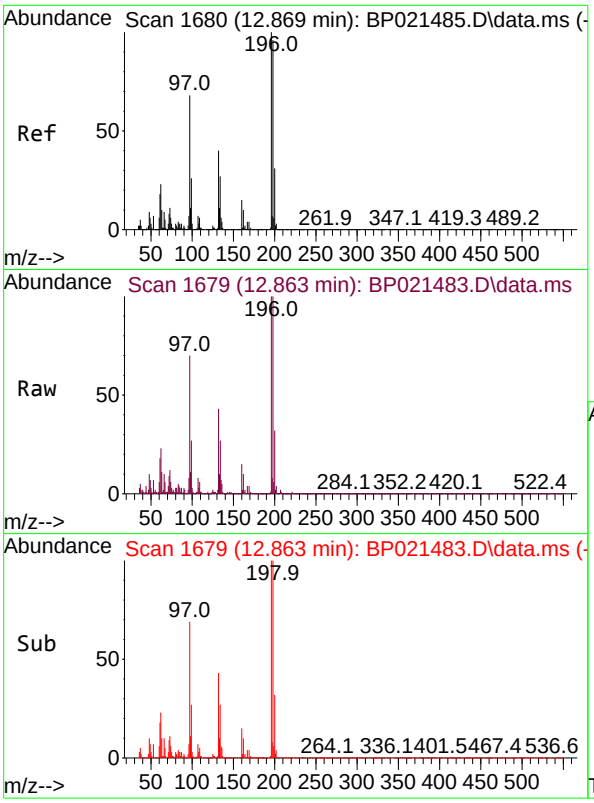


#42
2,4,6-Tribromophenol
Concen: 18.334 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:330 Resp: 266074

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	31.7	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 8.718 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 18503

Ion	Ratio	Lower	Upper
196	100		
198	100.1	76.6	114.8
200	32.5	24.5	36.7

Instrument :
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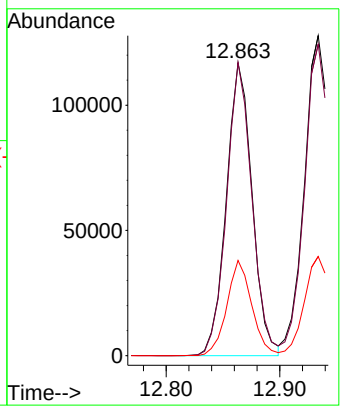
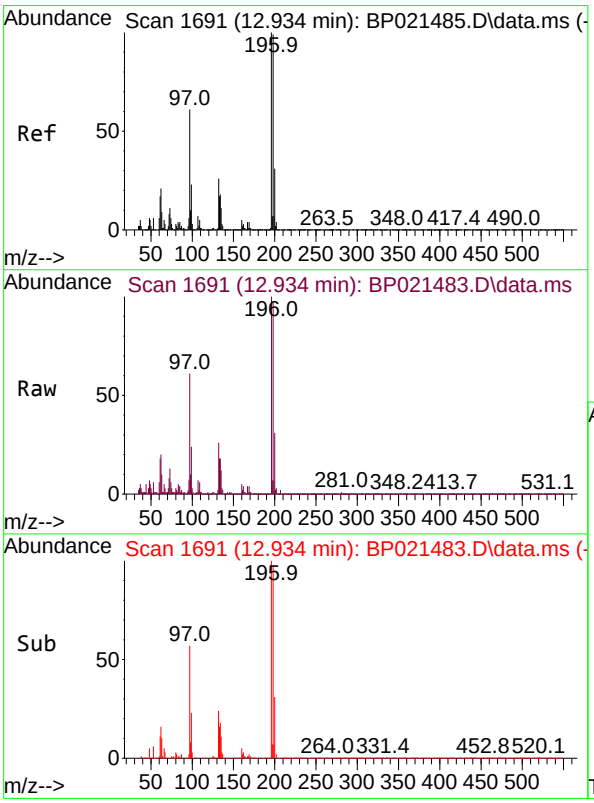
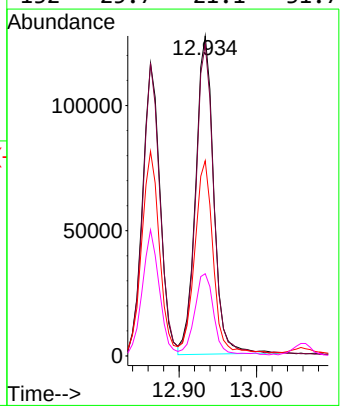


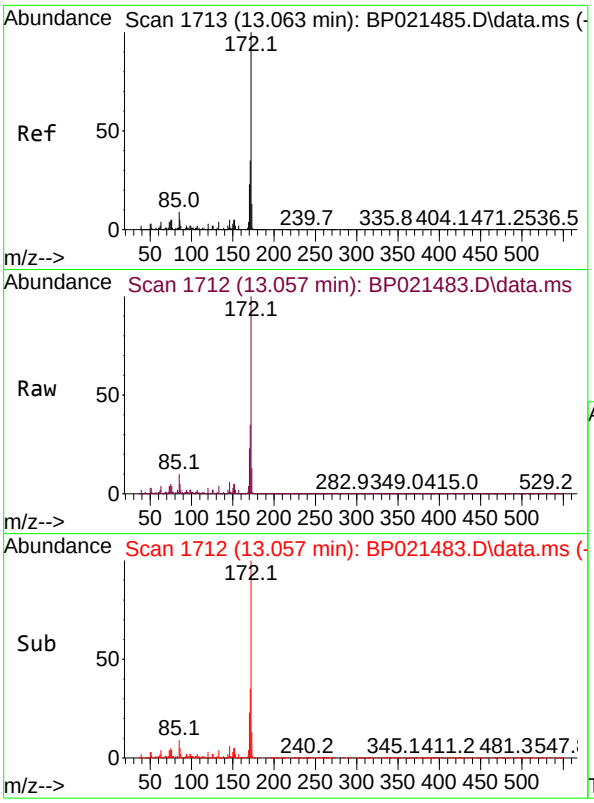


#44
2,4,5-Trichlorophenol
Concen: 8.741 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 206114

Ion	Ratio	Lower	Upper
196	100		
198	97.3	78.9	118.3
97	61.0	49.4	74.0
132	25.7	21.1	31.7

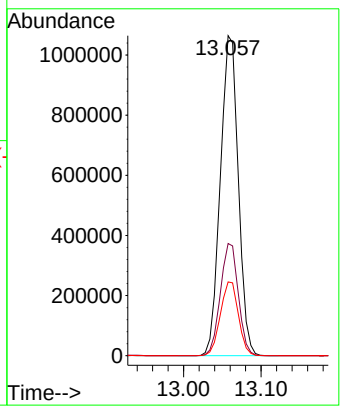




#45
2-Fluorobiphenyl
Concen: 20.051 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:172 Resp: 171323

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.1	18.4	27.6



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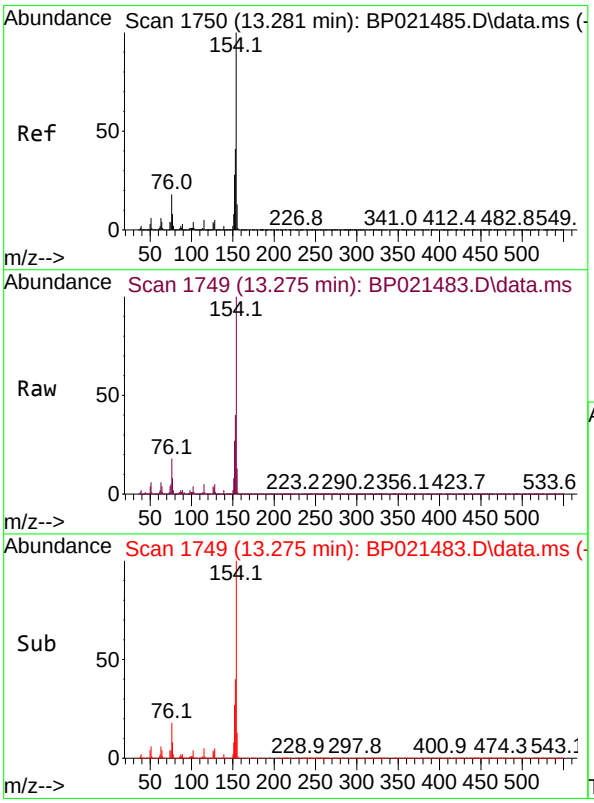
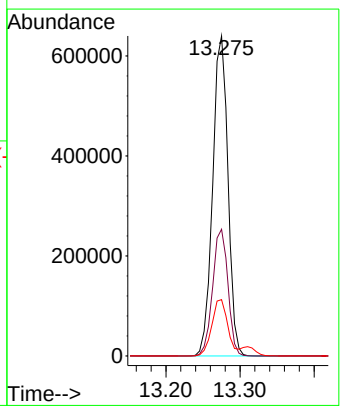
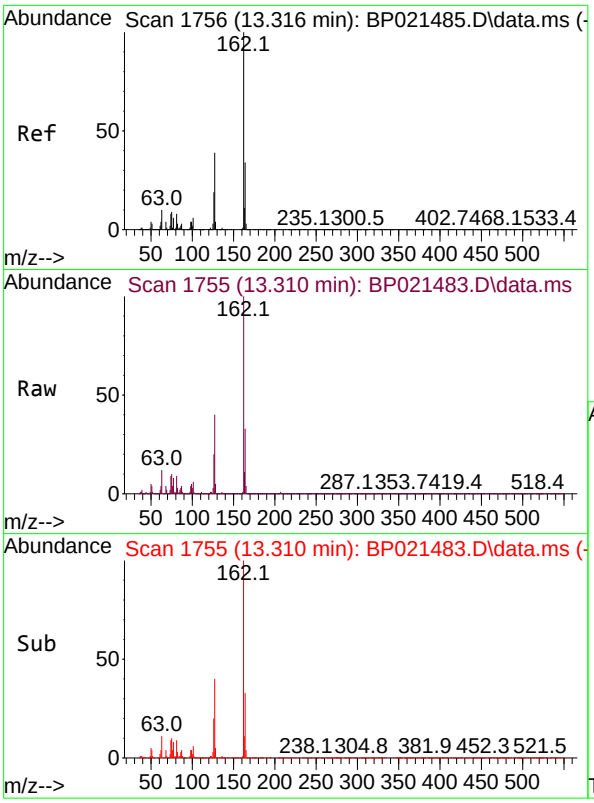


#46
1,1'-Biphenyl
Concen: 9.894 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 912835

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.7	60.7
76	17.6	0.0	37.7

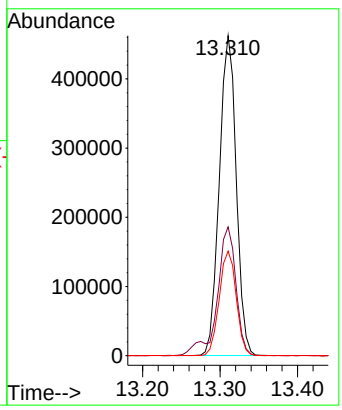




#47
2-Chloronaphthalene
Concen: 9.759 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 70095

Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	32.6	26.8	40.2



Instrument :
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ClientSampleId :
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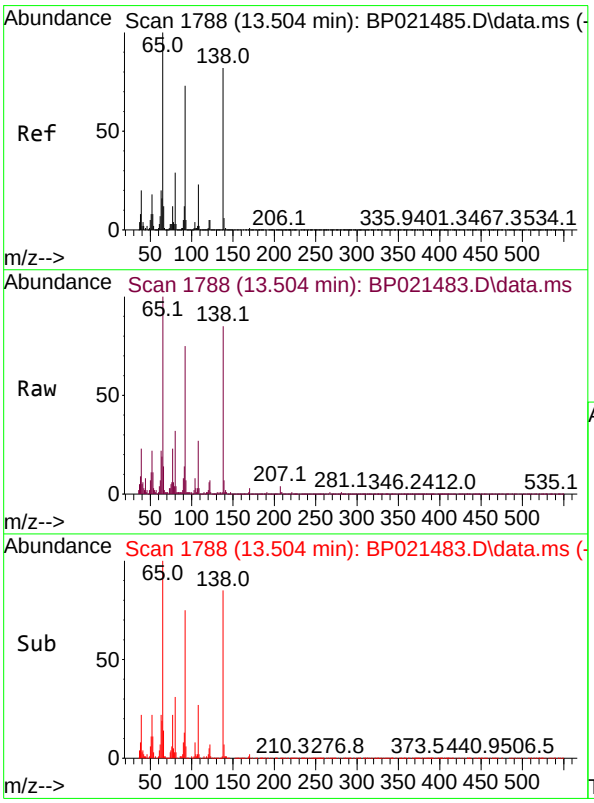
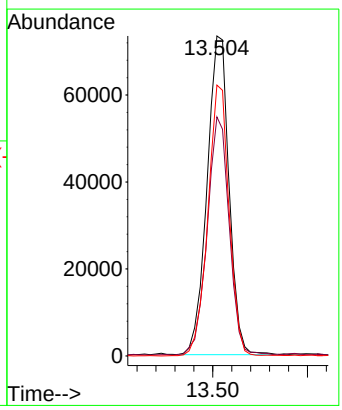
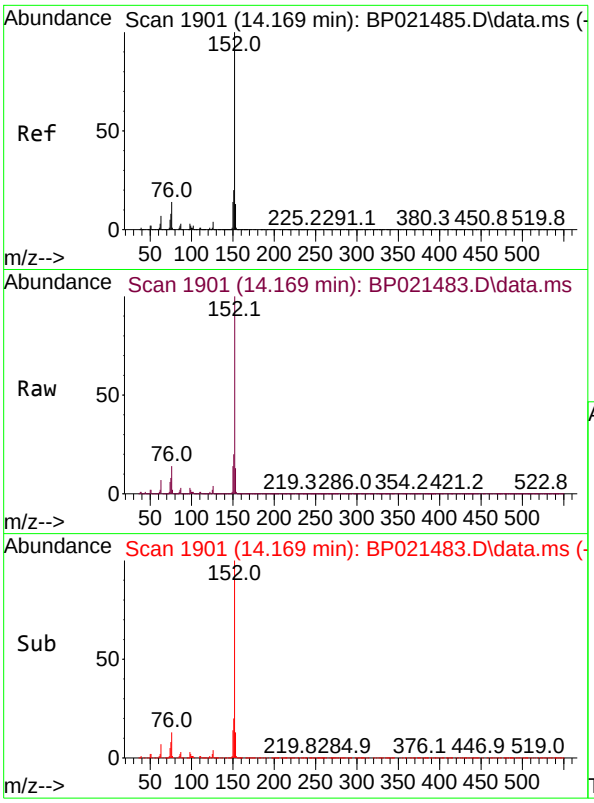


#48
2-Nitroaniline
Concen: 10.374 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 65 Resp: 117865

Ion	Ratio	Lower	Upper
65	100		
92	74.7	58.1	87.1
138	84.7	65.5	98.3





#49
Acenaphthylene
Concen: 9.941 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 104961

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.0	10.6	16.0

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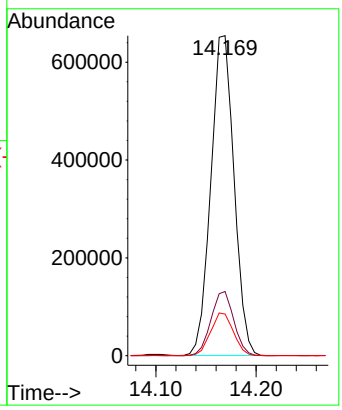
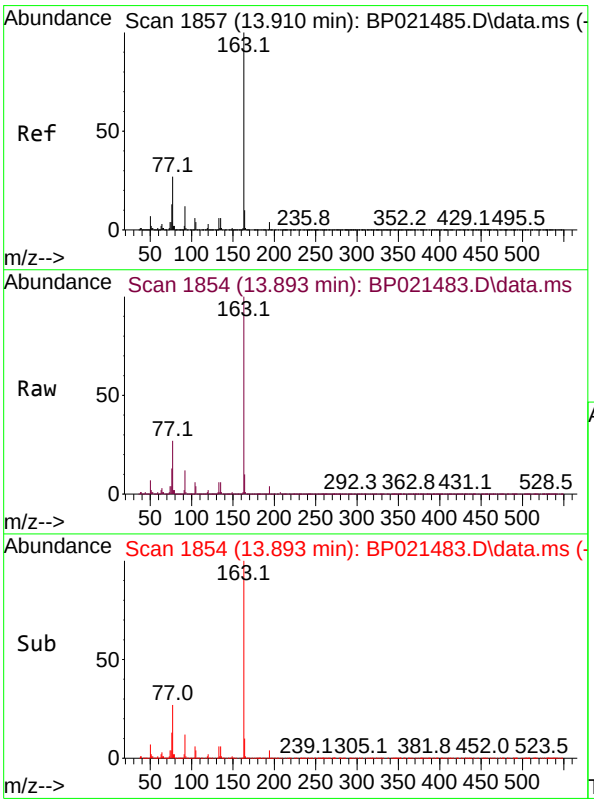
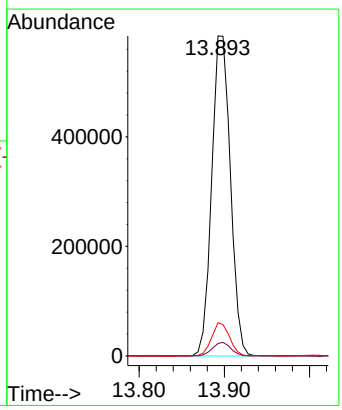


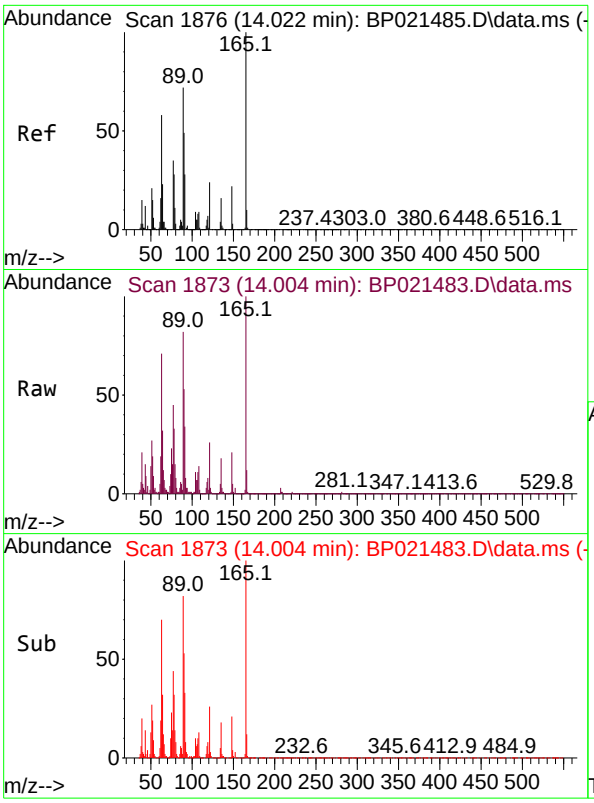


#50
Dimethylphthalate
Concen: 10.190 ng
RT: 13.893 min Scan# 1854
Delta R.T. -0.017 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:163 Resp: 889818

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.4	8.3	12.5

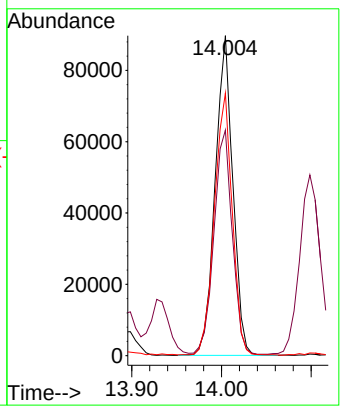




#51
2,6-Dinitrotoluene
Concen: 10.348 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 12223

Ion	Ratio	Lower	Upper
165	100		
63	70.5	51.5	77.3
89	82.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
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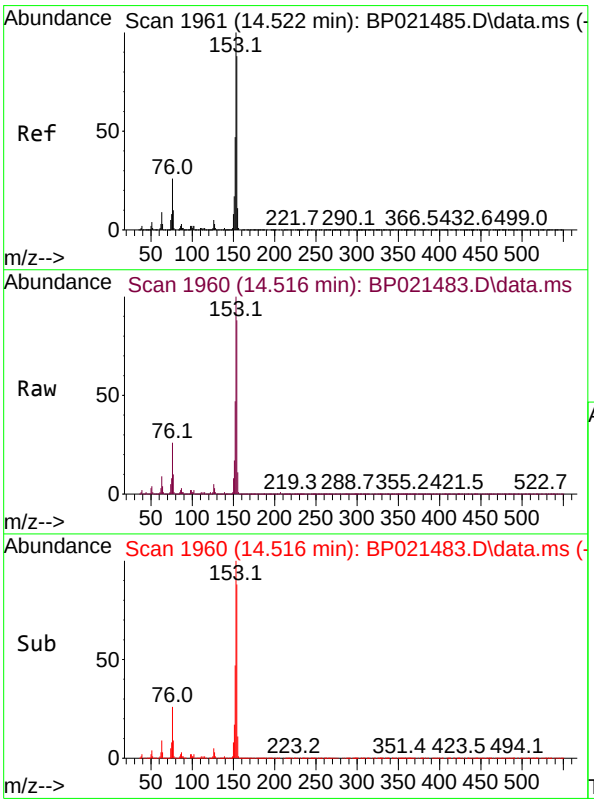
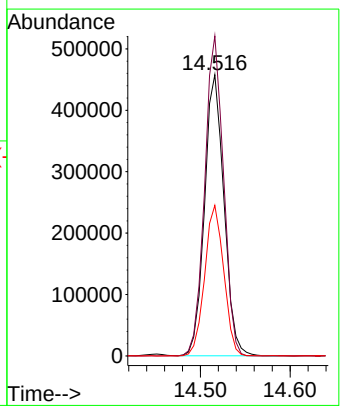
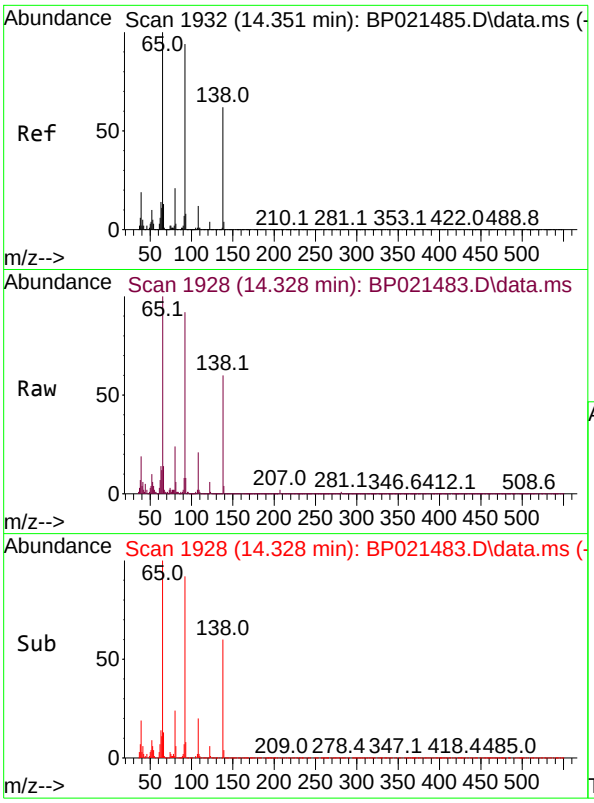


#52
Acenaphthene
Concen: 9.961 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 690129

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.5	43.0	64.4

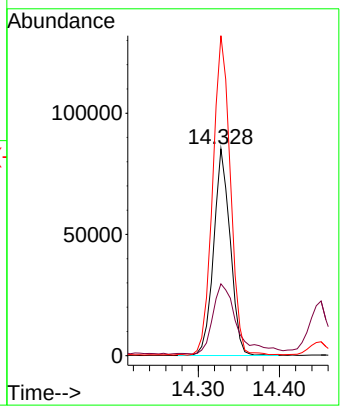




#53
3-Nitroaniline
Concen: 10.365 ng
RT: 14.328 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:138 Resp: 12075

Ion	Ratio	Lower	Upper
138	100		
108	34.8	16.2	24.4#
92	154.7	122.2	183.4



Instrument :
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ClientSampleId :
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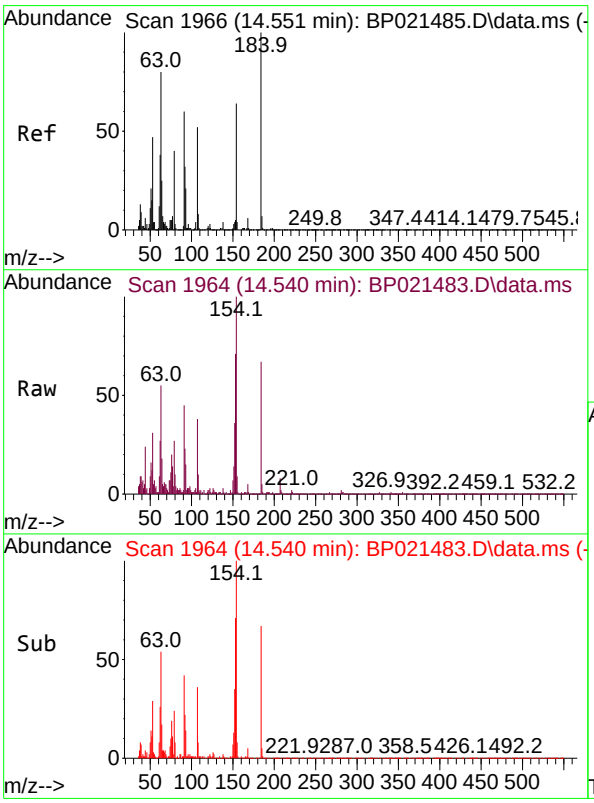
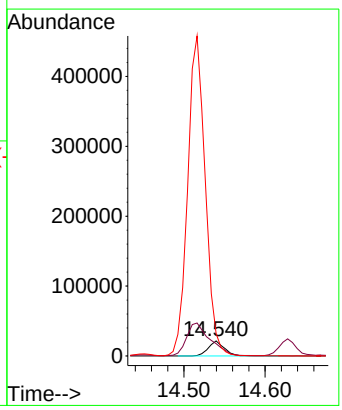
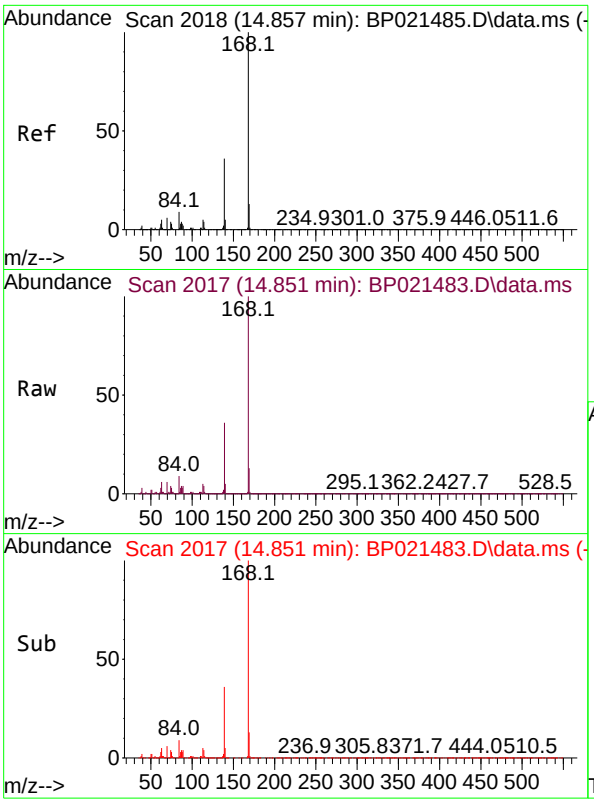


#54
2,4-Dinitrophenol
Concen: 10.721 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 29452

Ion	Ratio	Lower	Upper
184	100		
63	81.7	64.9	97.3
154	149.0	52.1	78.1#

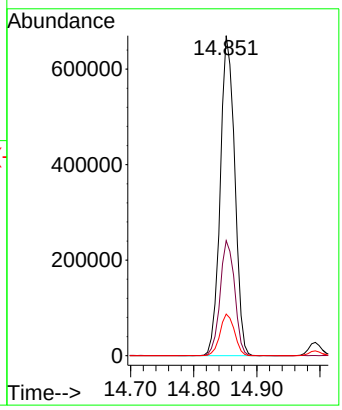




#55
Dibenzofuran
Concen: 10.016 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:168 Resp: 106743

Ion	Ratio	Lower	Upper
168	100		
139	36.0	28.6	43.0
169	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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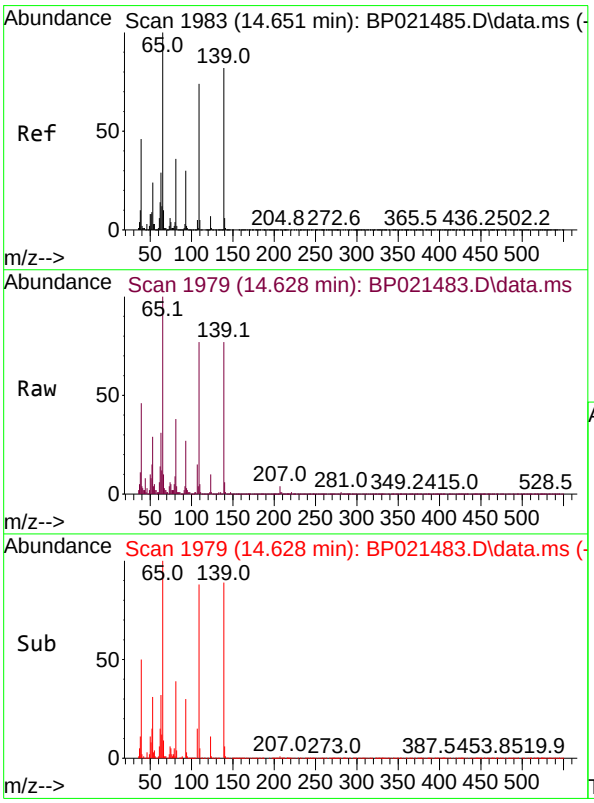
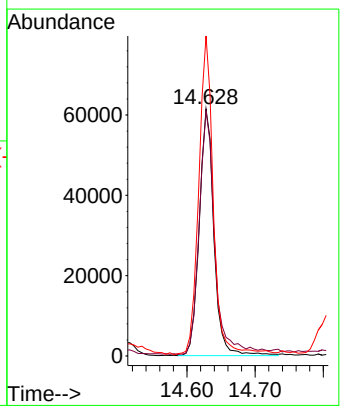
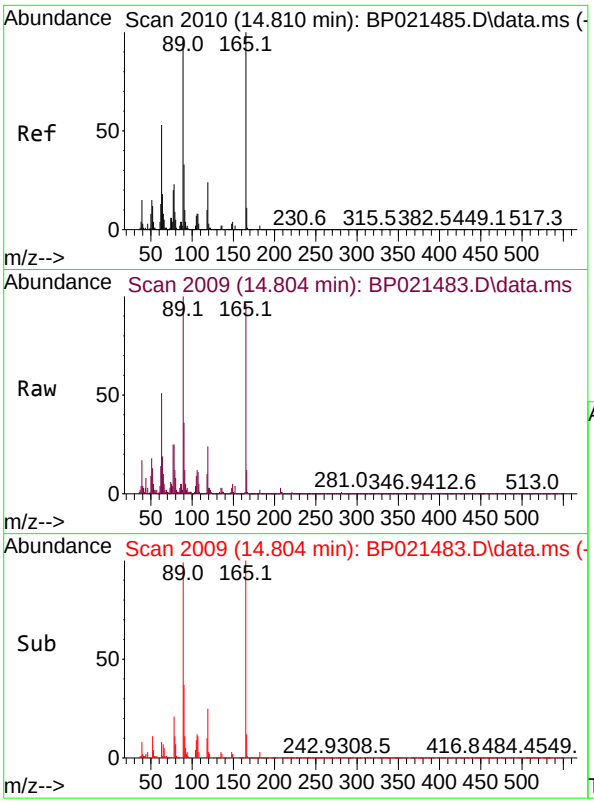


#56
4-Nitrophenol
Concen: 11.027 ng
RT: 14.628 min Scan# 1979
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 91997

Ion	Ratio	Lower	Upper
139	100		
109	99.2	70.2	110.2
65	129.6	101.8	141.8

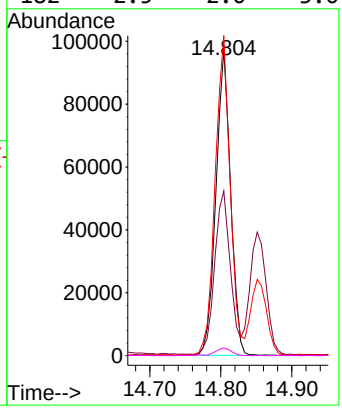




#57
2,4-Dinitrotoluene
Concen: 10.586 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 13924

Ion	Ratio	Lower	Upper
165	100		
63	53.8	42.5	63.7
89	104.6	77.1	115.7
182	2.5	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
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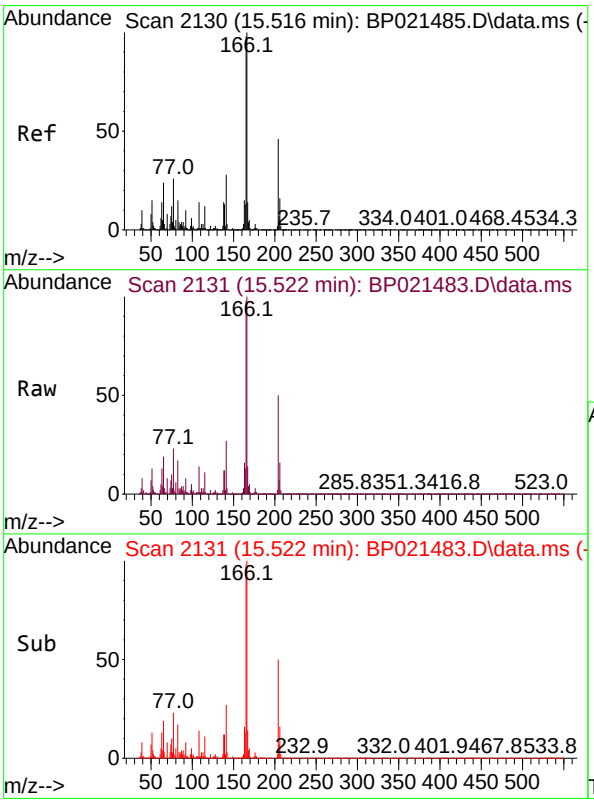
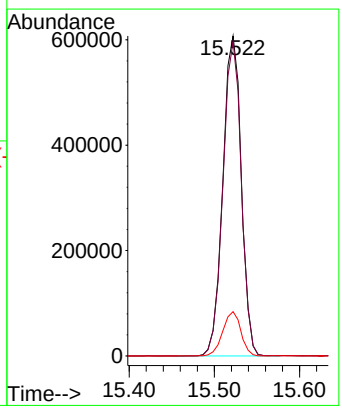
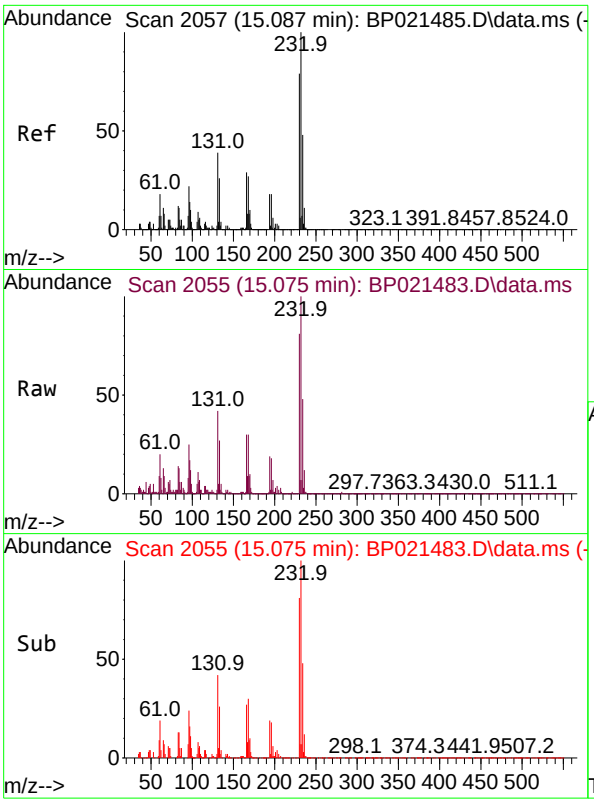


#58
Fluorene
Concen: 10.425 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:166 Resp: 912792

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.9	11.0	16.4

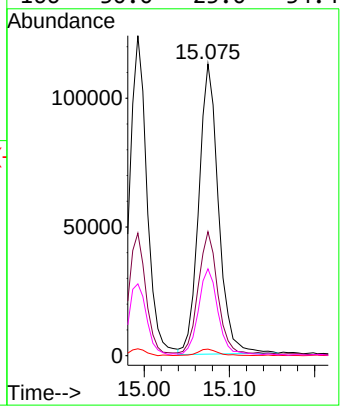




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.055 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:232 Resp: 18123

Ion	Ratio	Lower	Upper
232	100		
131	40.9	33.1	49.7
130	2.3	1.7	2.5
166	30.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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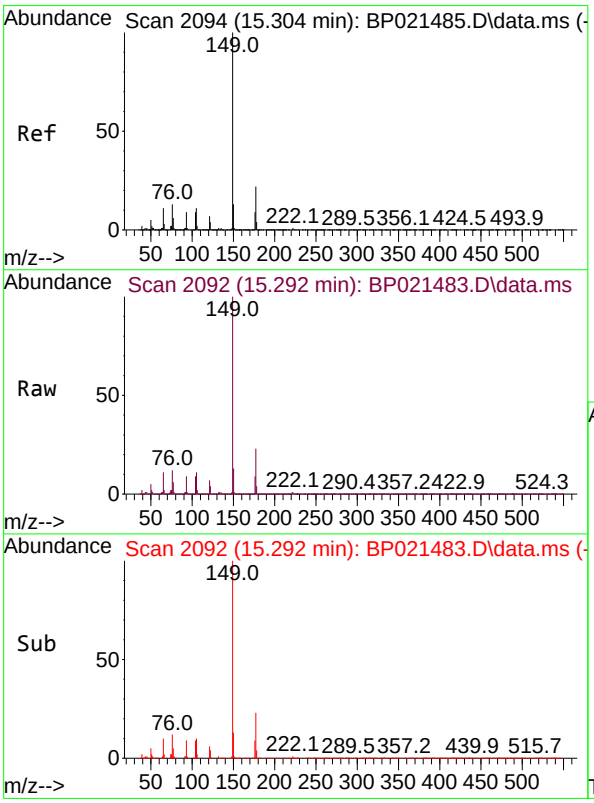
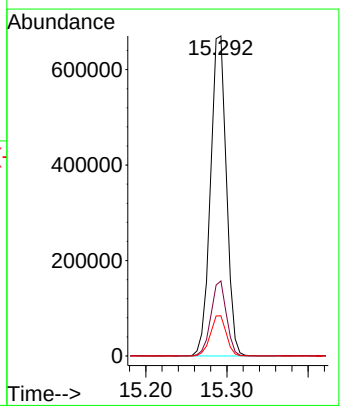
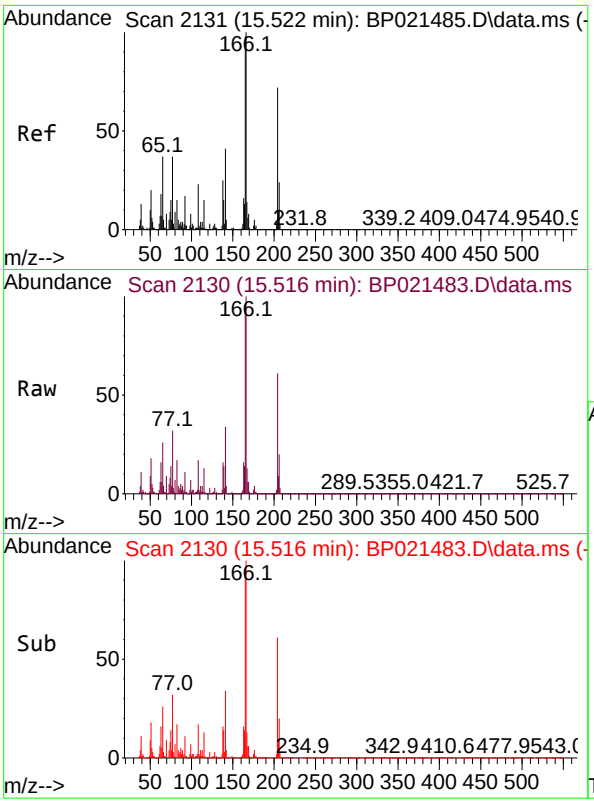


#60
Diethylphthalate
Concen: 10.148 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 909304

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.8	26.8
150	12.6	10.1	15.1

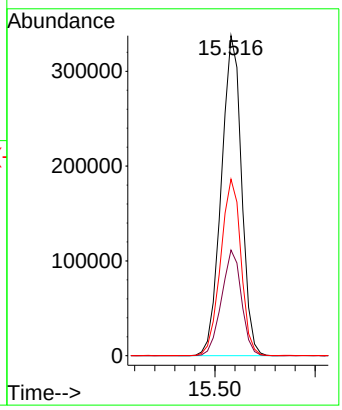




#61
4-Chlorophenyl-phenylether
Concen: 10.426 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:204 Resp: 47186

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	55.2	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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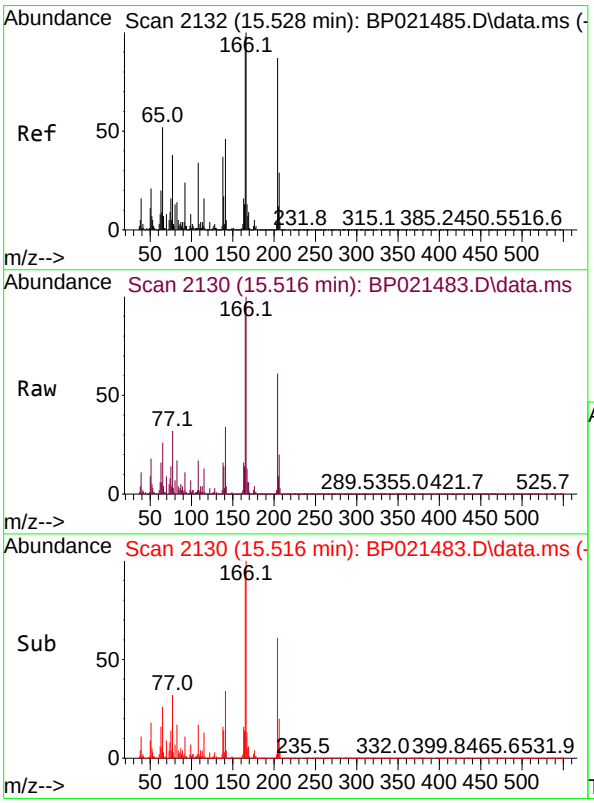
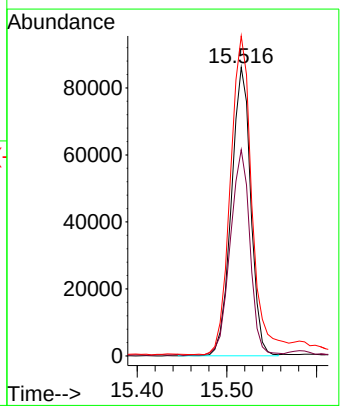
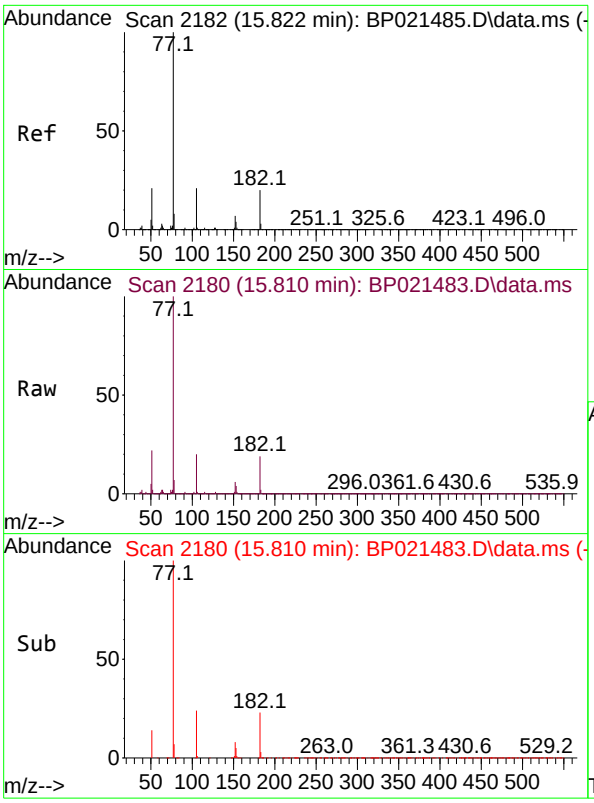


#62
4-Nitroaniline
Concen: 9.743 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:138 Resp: 129100

Ion	Ratio	Lower	Upper
138	100		
92	71.5	46.4	86.4
108	110.9	73.2	113.2





#63
Azobenzene
Concen: 10.529 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 115964

Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	20.0	0.9	40.9
51	21.6	1.4	41.4

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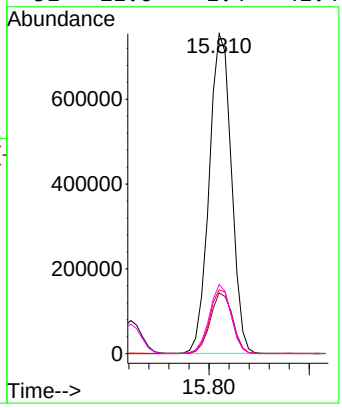
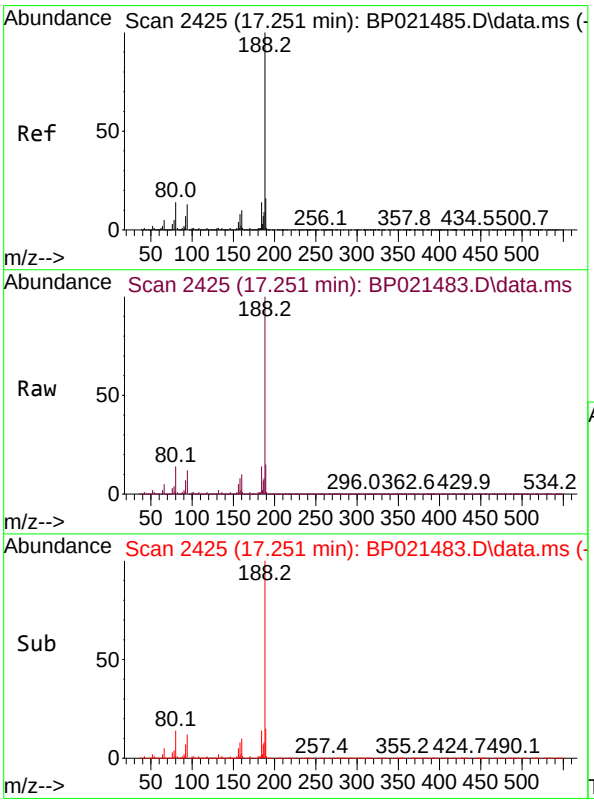
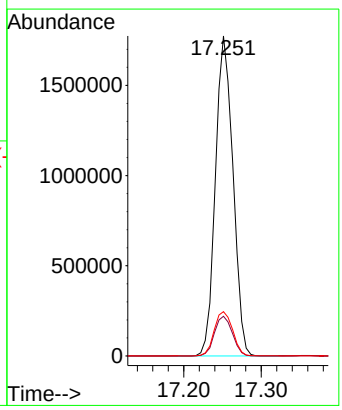


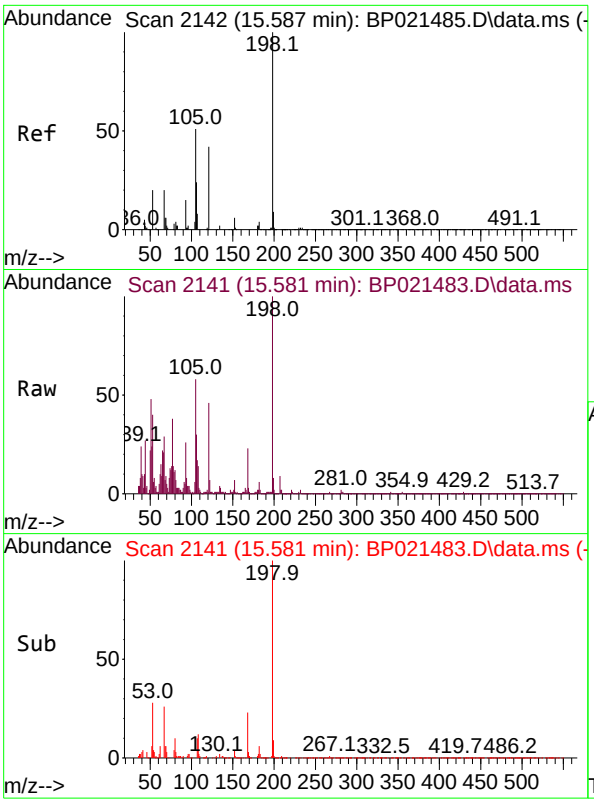


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:188 Resp: 2799153

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.4
80	13.9	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 11.022 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:198 Resp: 4407

Ion	Ratio	Lower	Upper
198	100		
51	47.9	21.5	61.5
105	58.2	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
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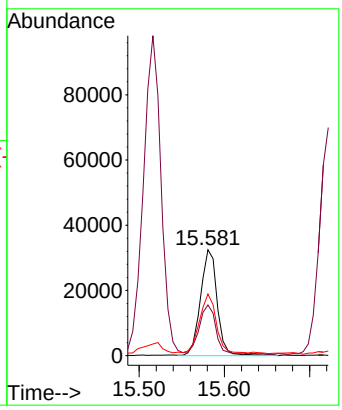
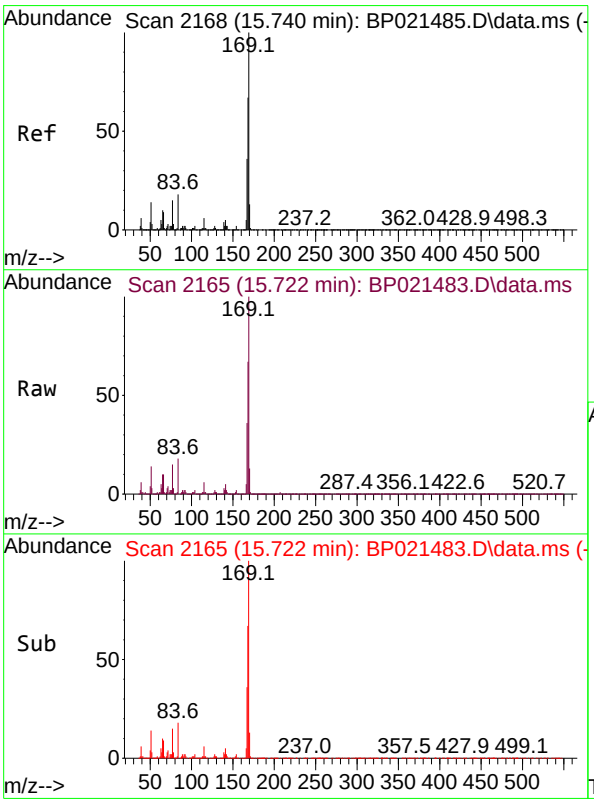
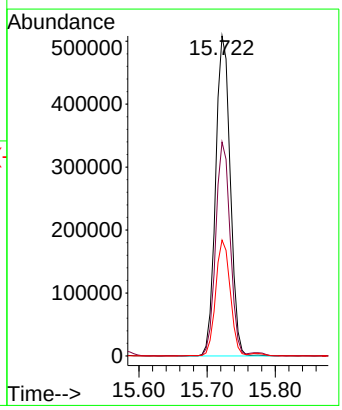


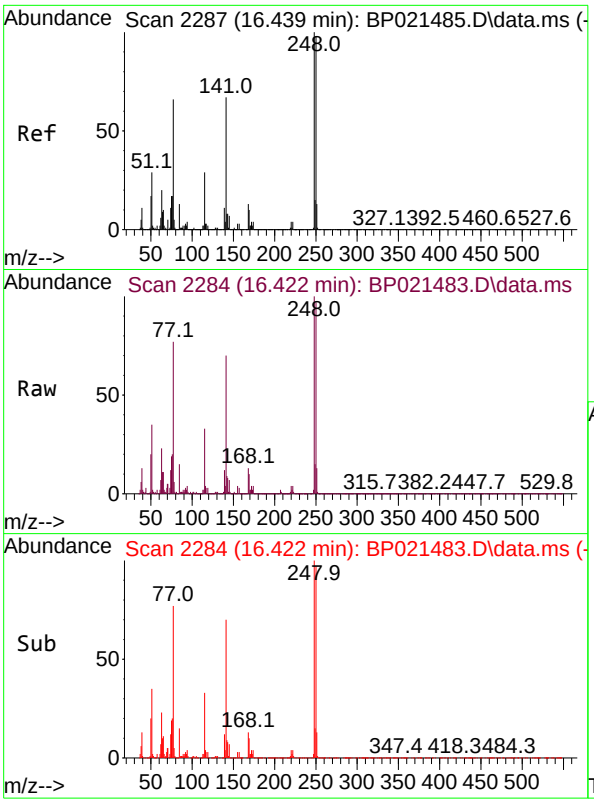


#66
n-Nitrosodiphenylamine
Concen: 10.103 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:169 Resp: 757847

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.2	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 9.906 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:248 Resp: 29346

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.6	117.8
141	69.6	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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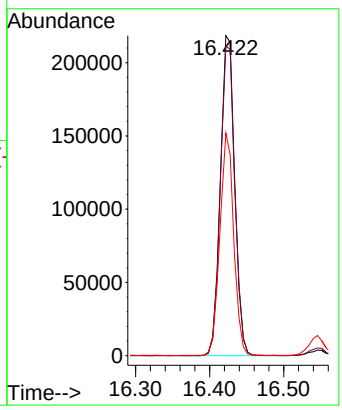
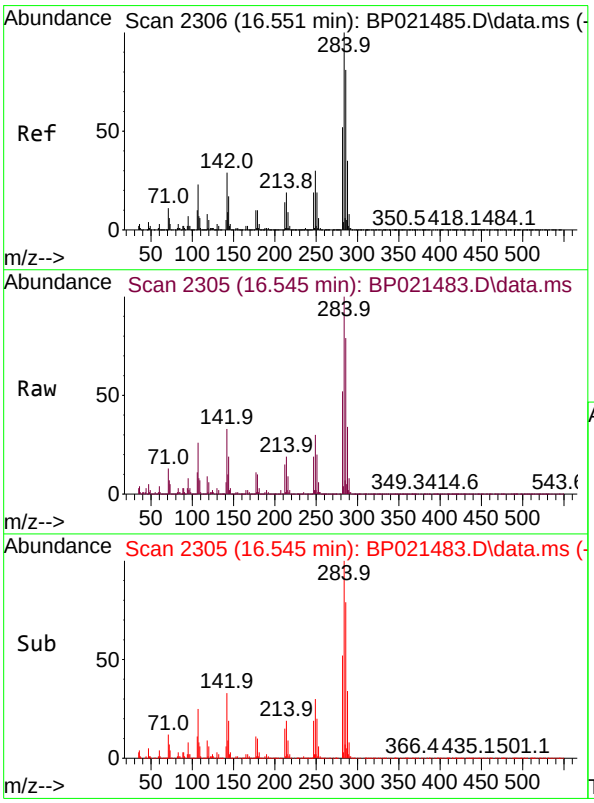
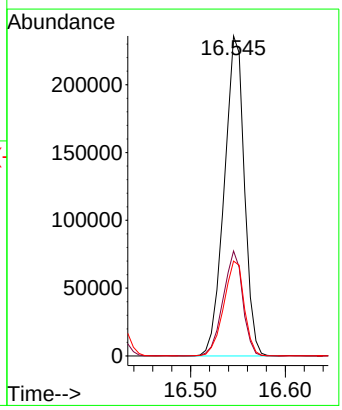


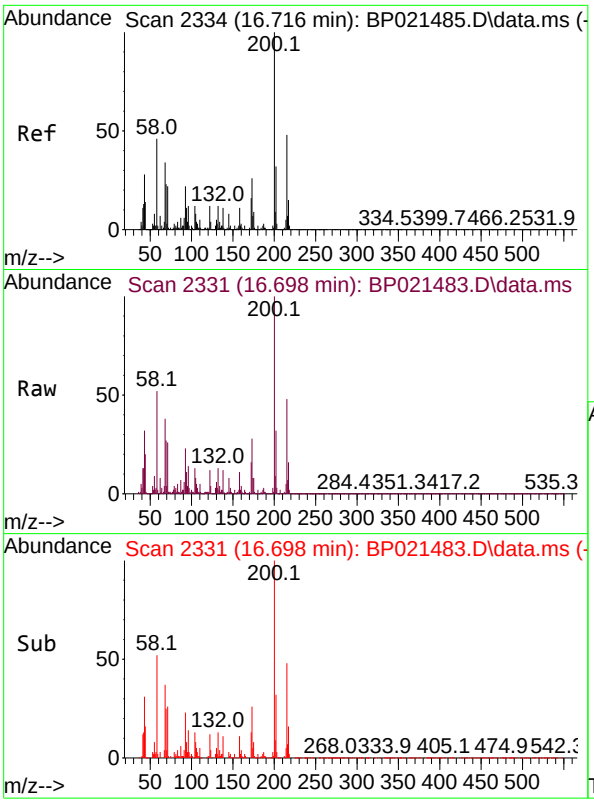


#68
Hexachlorobenzene
Concen: 9.938 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:284 Resp: 347933

Ion	Ratio	Lower	Upper
284	100		
142	32.8	23.4	35.2
249	29.7	24.1	36.1

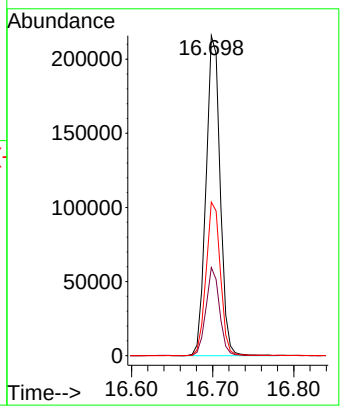




#69
Atrazine
Concen: 10.106 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:200 Resp: 26027

Ion	Ratio	Lower	Upper
200	100		
173	27.5	6.2	46.2
215	48.0	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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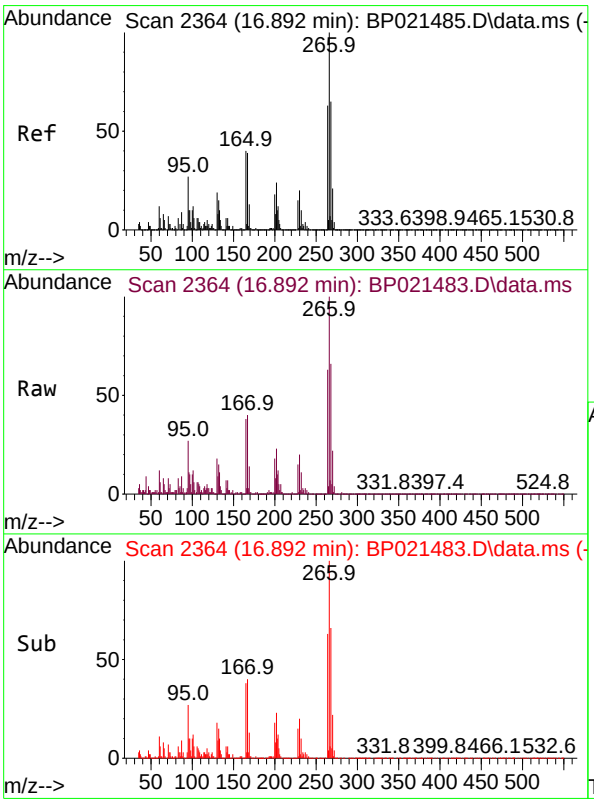
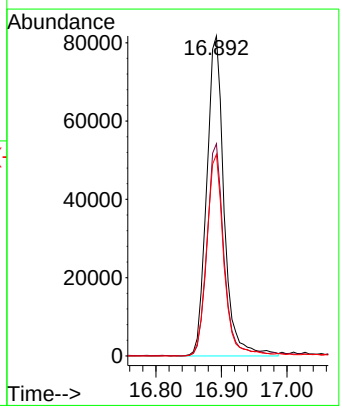
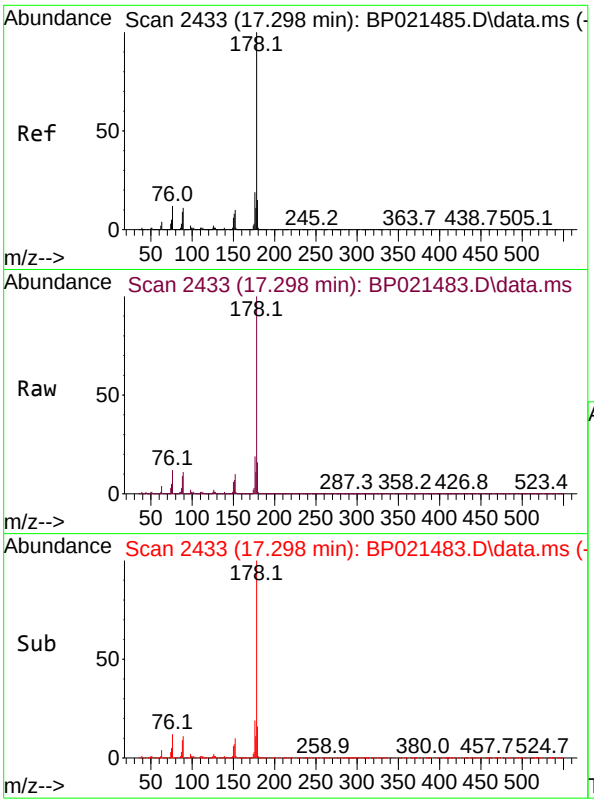


#70
Pentachlorophenol
Concen: 7.877 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:266 Resp: 150520

Ion	Ratio	Lower	Upper
266	100		
268	66.3	51.8	77.6
264	63.0	50.5	75.7

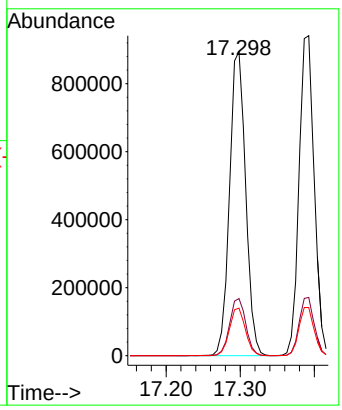




#71
Phenanthrene
Concen: 10.017 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 134841

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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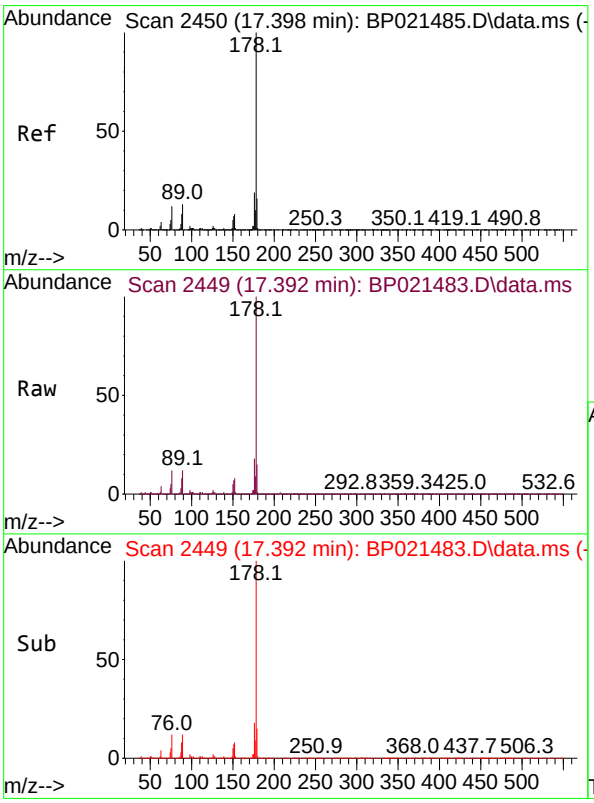
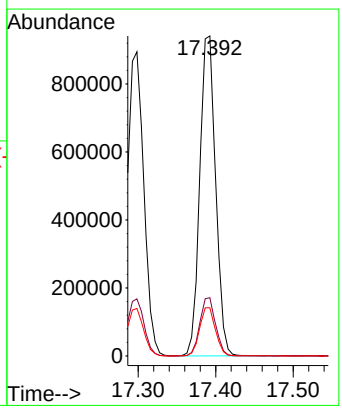
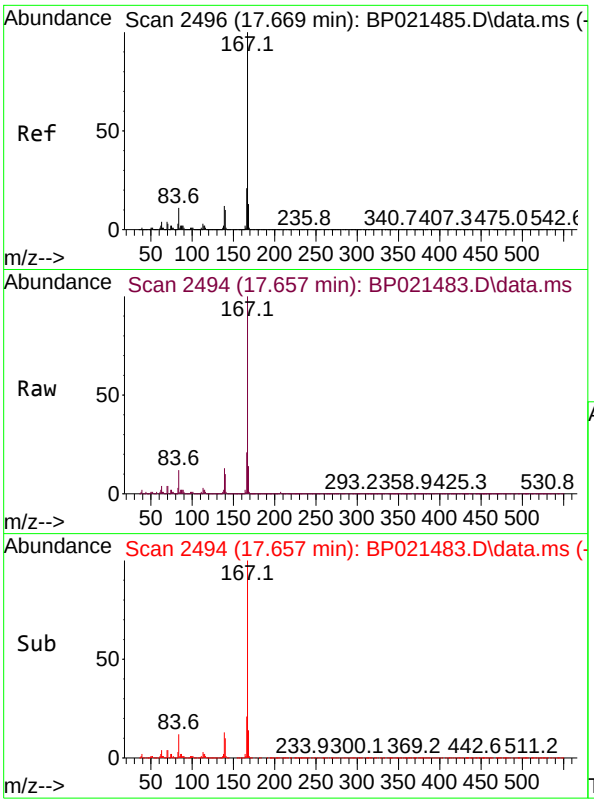


#72
Anthracene
Concen: 10.123 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 1336422

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.0	12.5	18.7

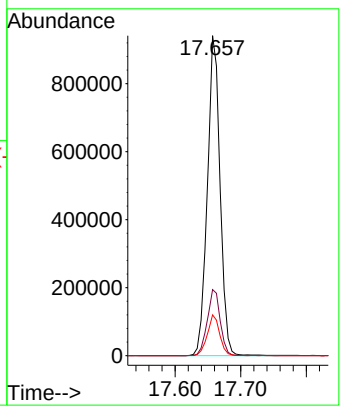




#73
Carbazole
Concen: 9.966 ng
RT: 17.657 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:167 Resp: 126796

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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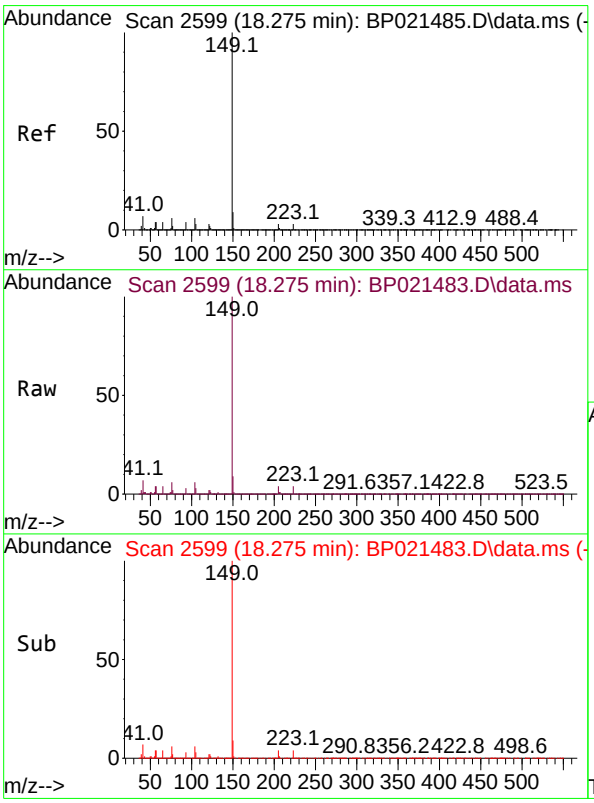
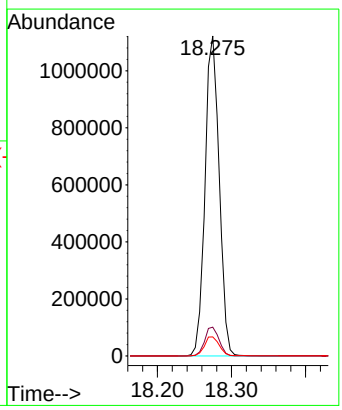
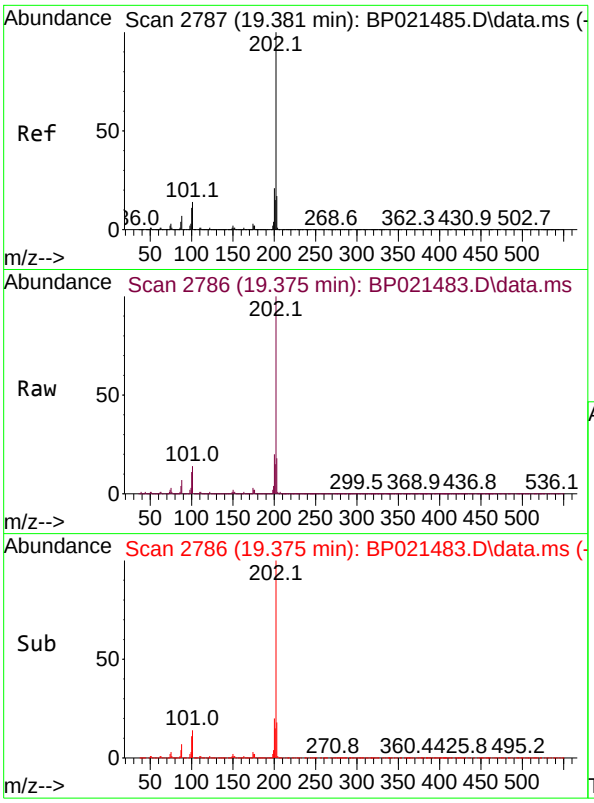


#74
Di-n-butylphthalate
Concen: 9.539 ng
RT: 18.275 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 1490471

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	6.0	4.9	7.3

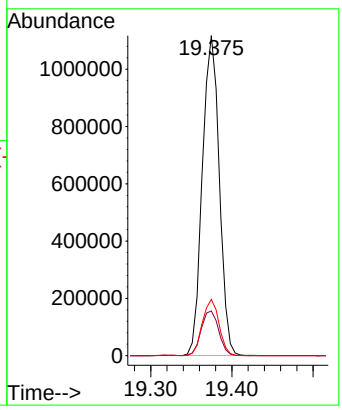




#75
Fluoranthene
Concen: 9.769 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 161350

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.6	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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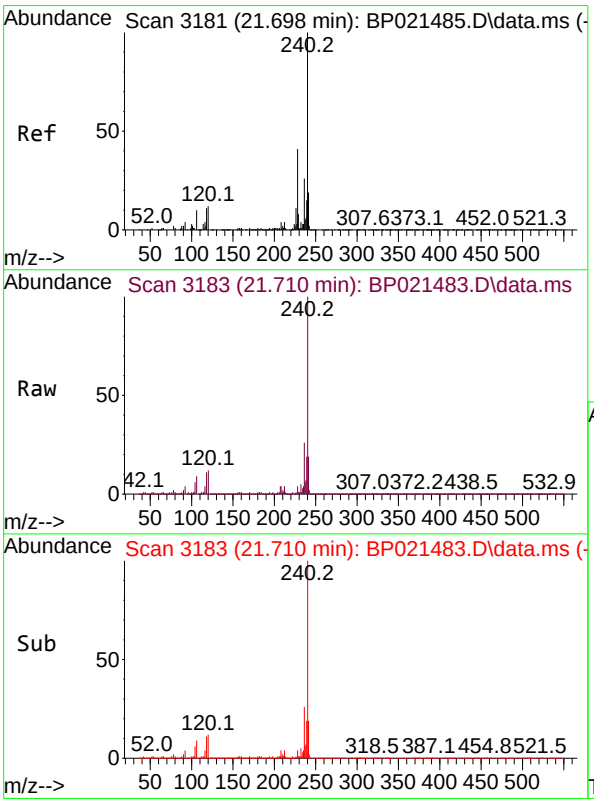
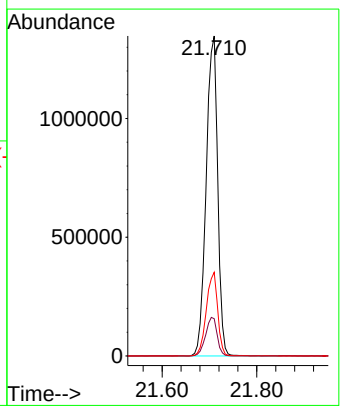
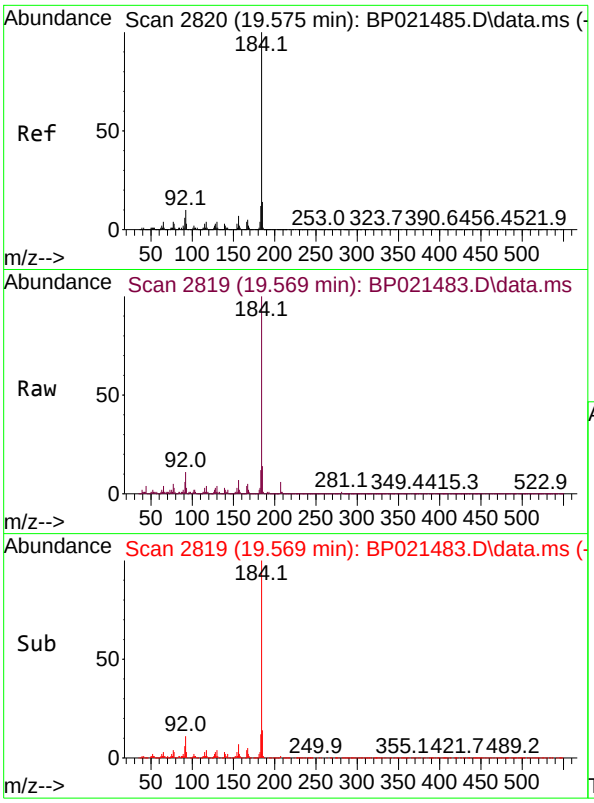


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:240 Resp: 2268651

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	26.2	20.6	30.8

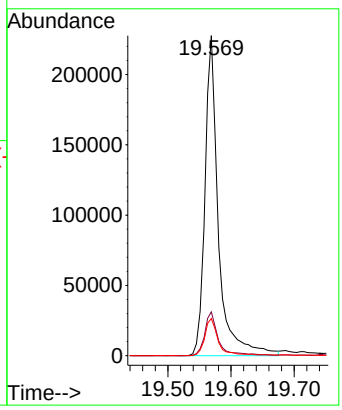




#77
Benzidine
Concen: 9.509 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 33659

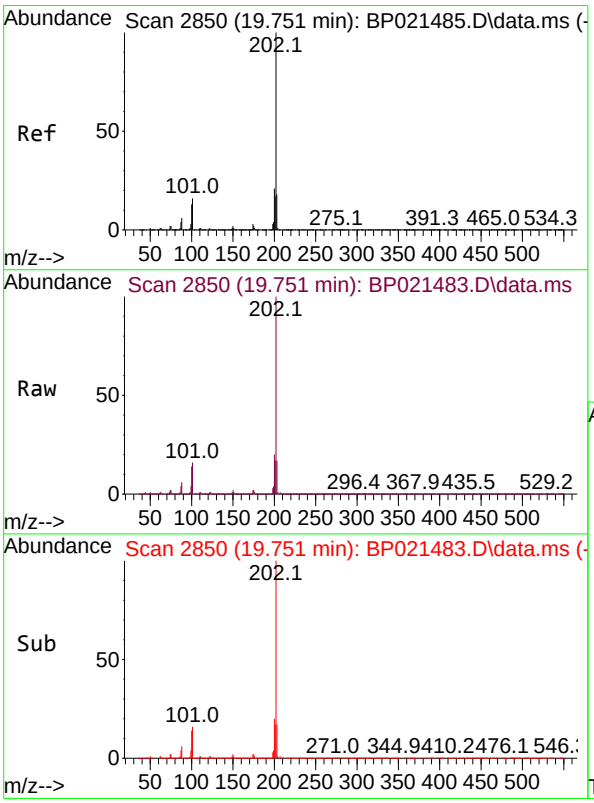
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

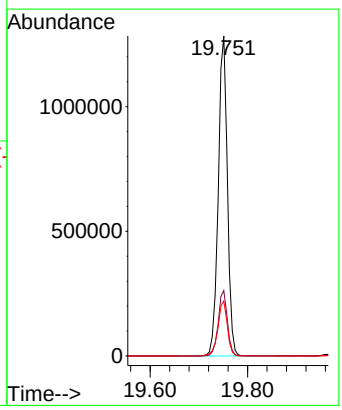
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

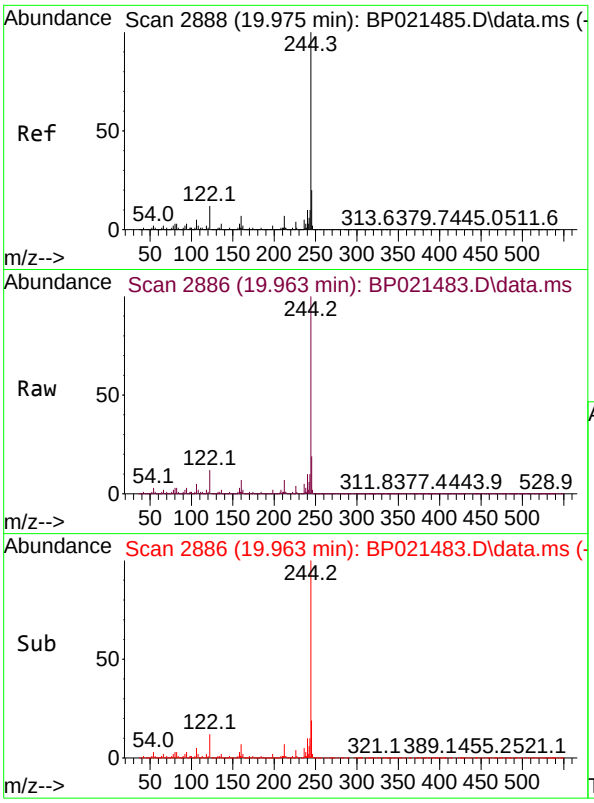


#78
Pyrene
Concen: 11.243 ng
RT: 19.751 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 1667213

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	17.1	14.1	21.1

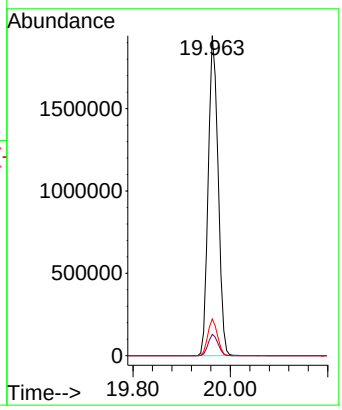




#79
Terphenyl-d14
Concen: 23.235 ng
RT: 19.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:244 Resp: 271331

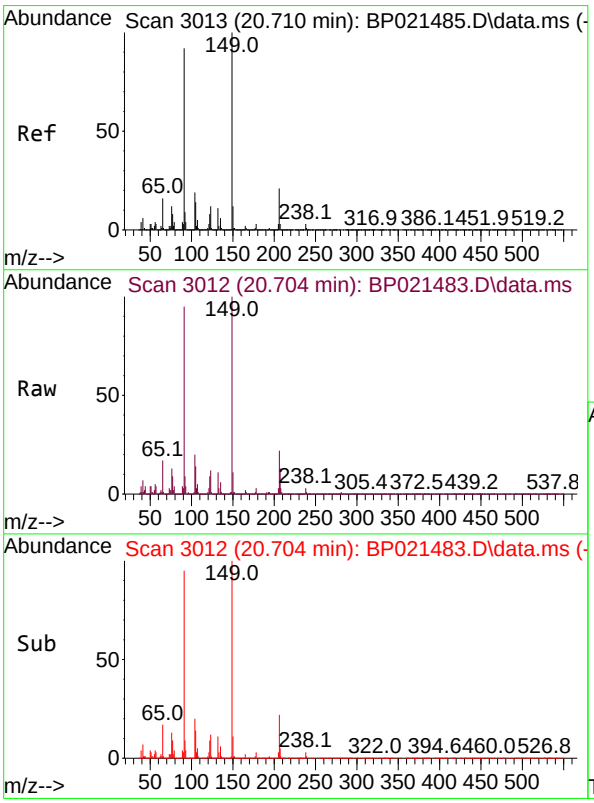
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.5	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

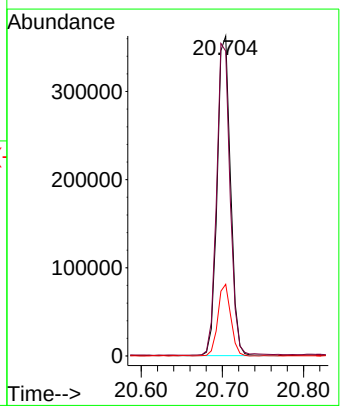
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

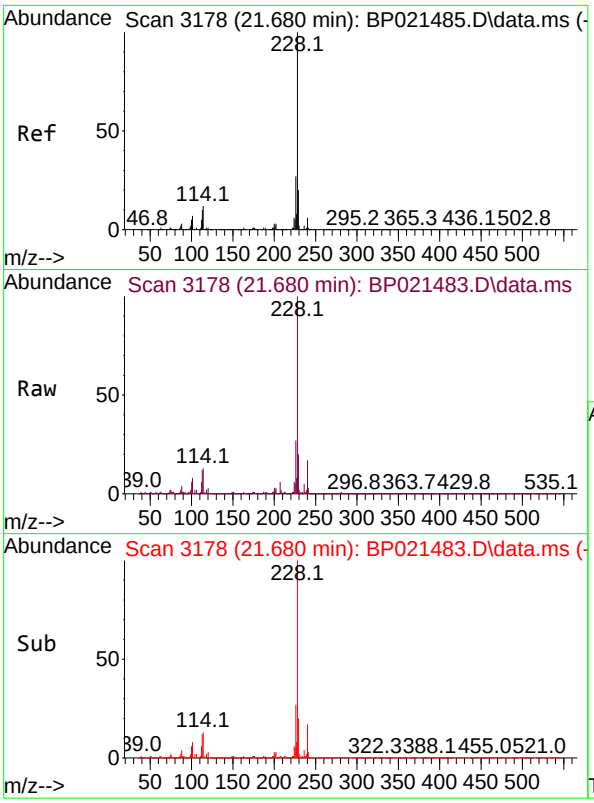


#80
Butylbenzylphthalate
Concen: 10.409 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 414136

Ion	Ratio	Lower	Upper
149	100		
91	95.2	73.3	109.9
206	22.4	17.1	25.7

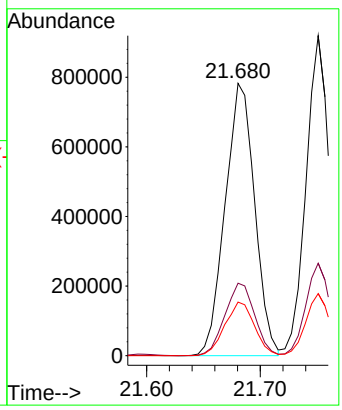




#81
Benzo(a)anthracene
Concen: 9.936 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 141500

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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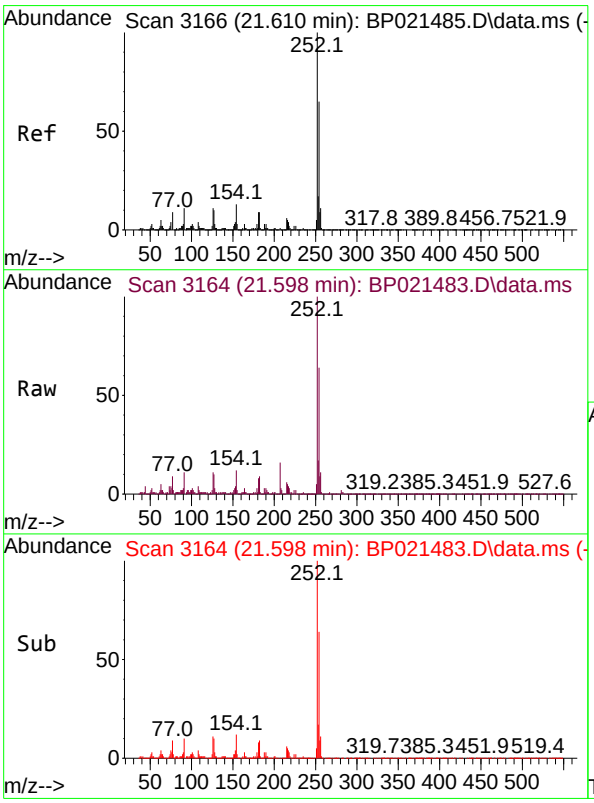
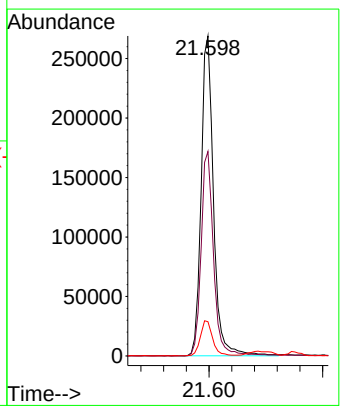
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

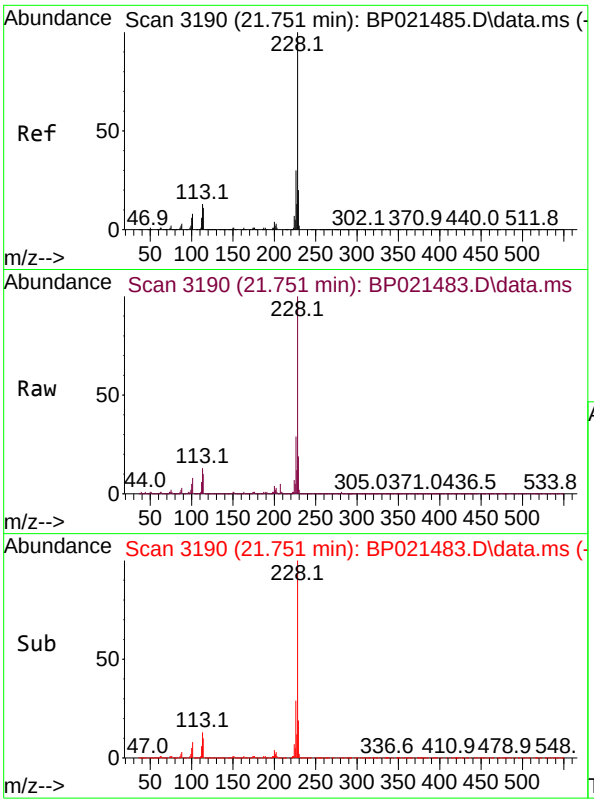


#82
3,3'-Dichlorobenzidine
Concen: 8.884 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 405660

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.7	77.5
126	10.7	8.7	13.1





#83
Chrysene
Concen: 9.955 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 133861

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.9	35.9
229	19.4	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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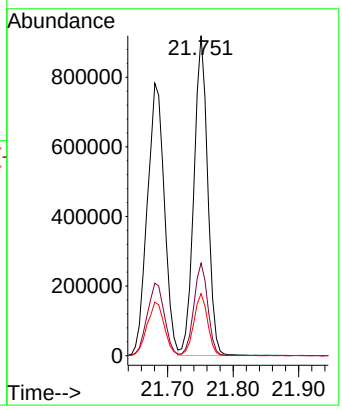
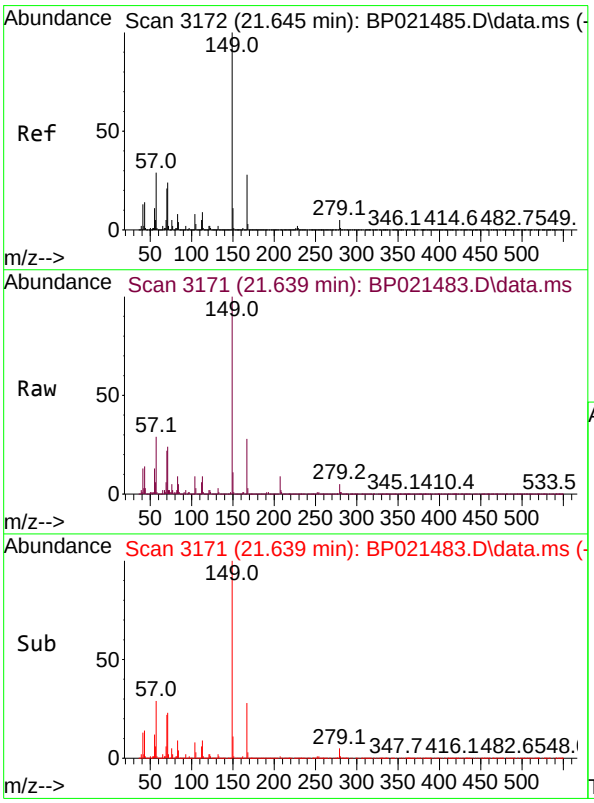
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

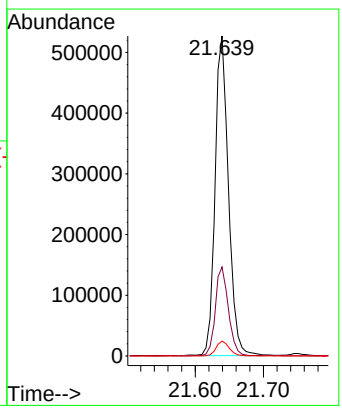


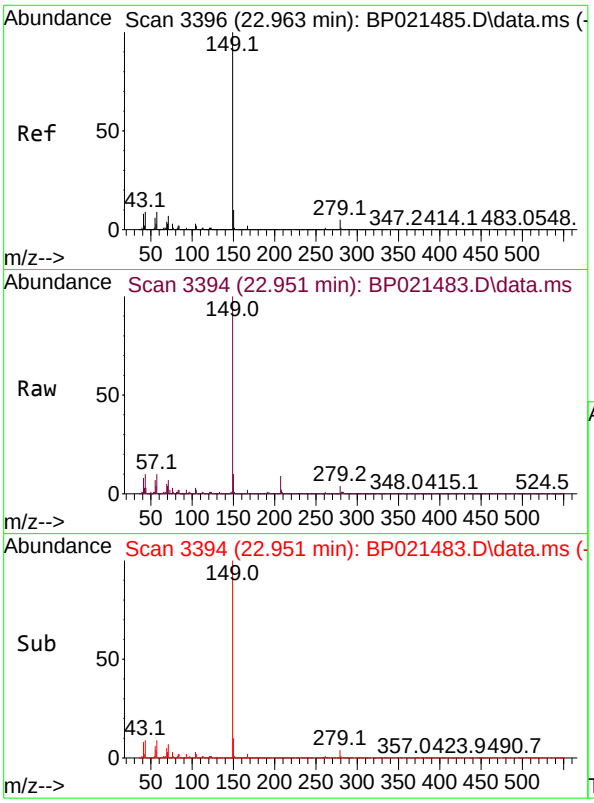


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.563 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 720802

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 10.621 ng
RT: 22.951 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 95118

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.7	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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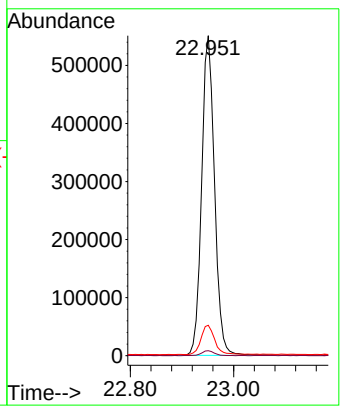
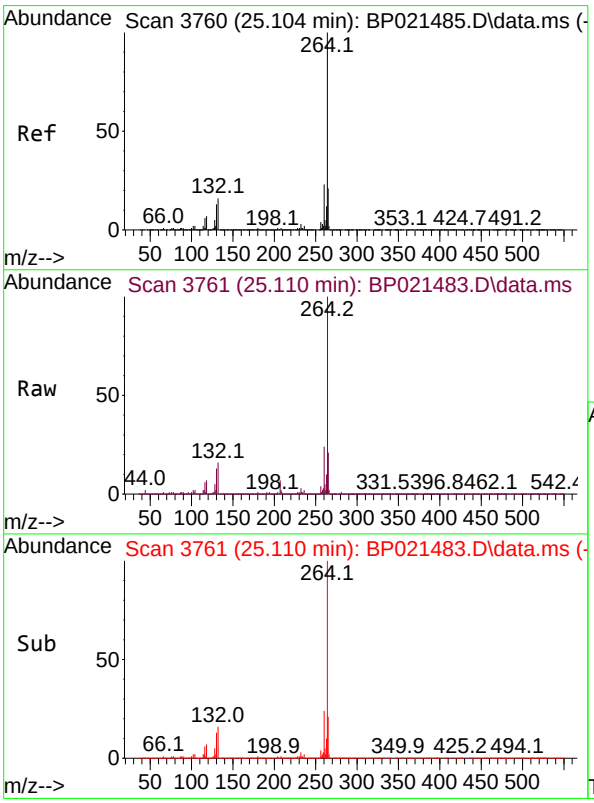
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

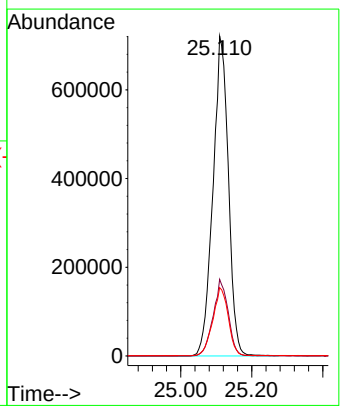


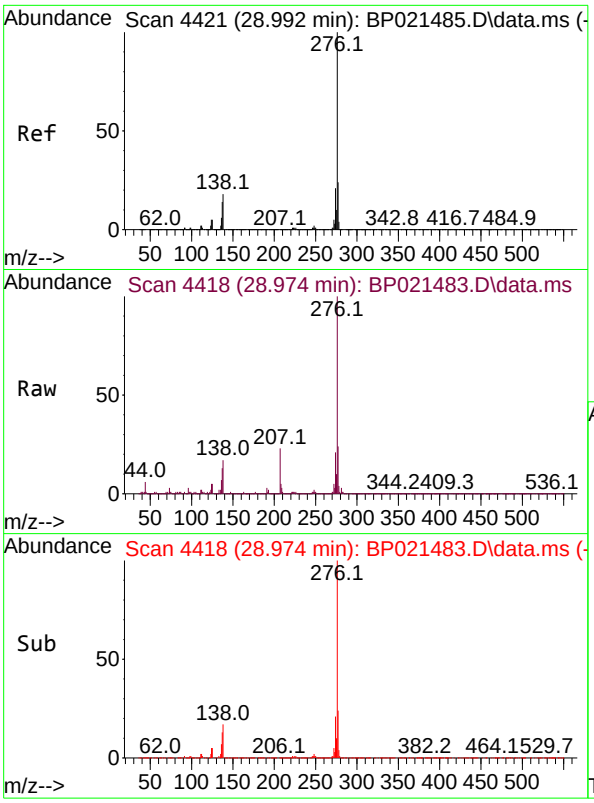


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:264 Resp: 2172035

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.3	17.1	25.7

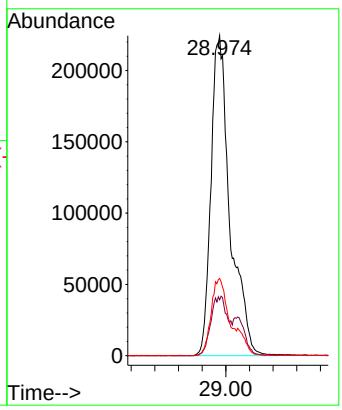




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.917 ng
RT: 28.974 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 125532

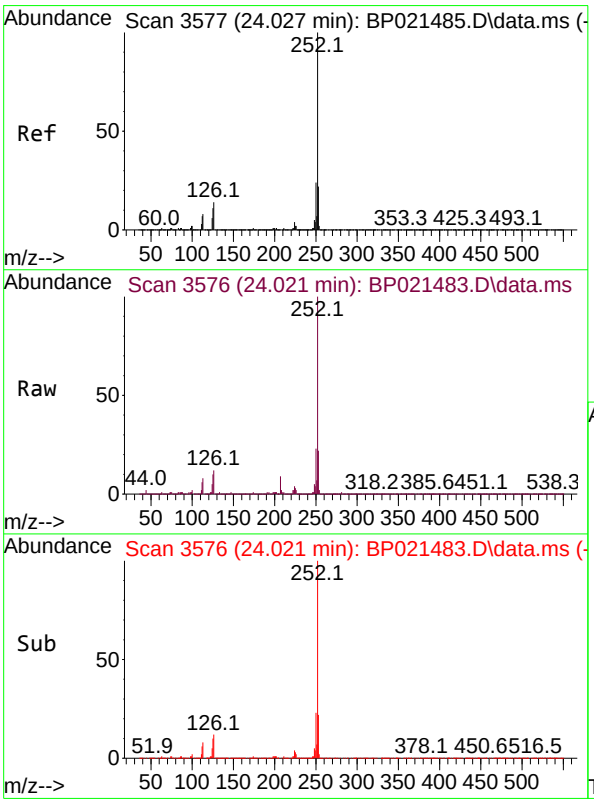
Ion	Ratio	Lower	Upper
276	100		
138	16.6	12.8	19.2
277	21.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

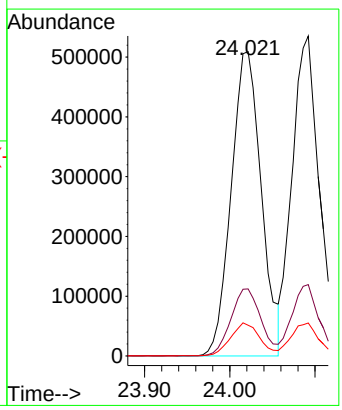
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

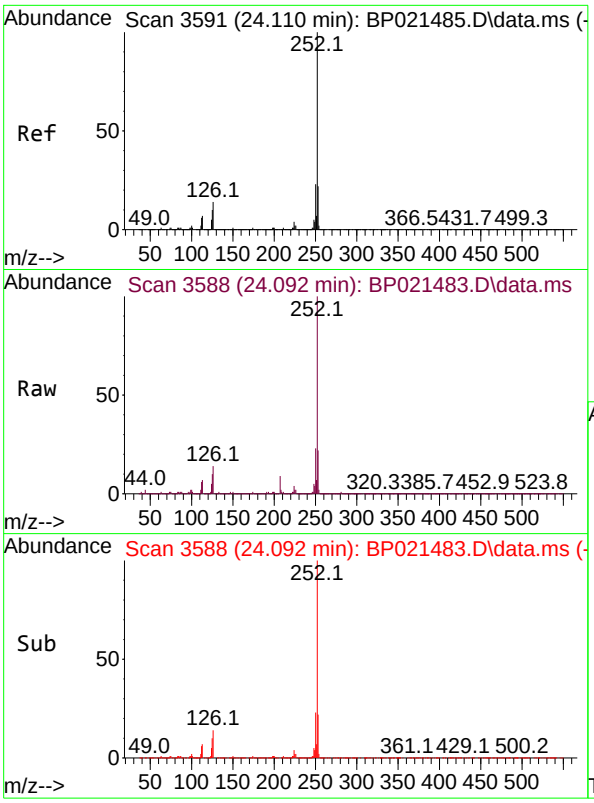


#88
Benzo(b)fluoranthene
Concen: 10.027 ng
RT: 24.021 min Scan# 3576
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1250809

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 9.824 ng
RT: 24.092 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 119542

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.3	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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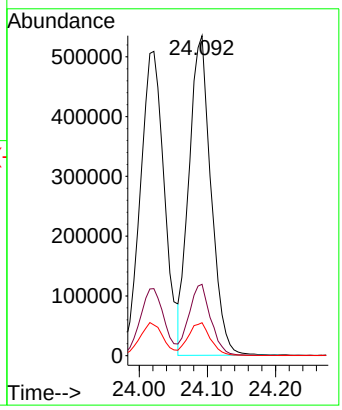
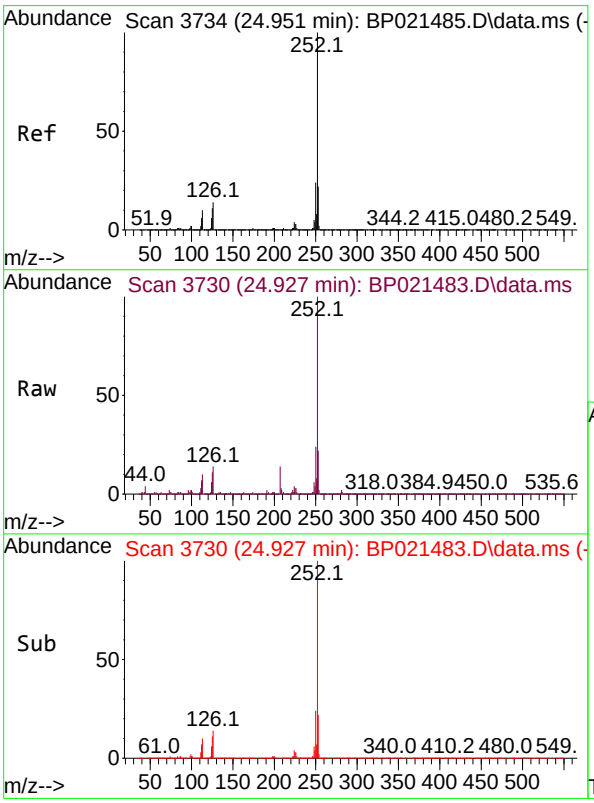
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

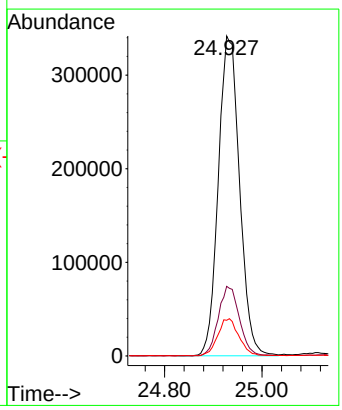


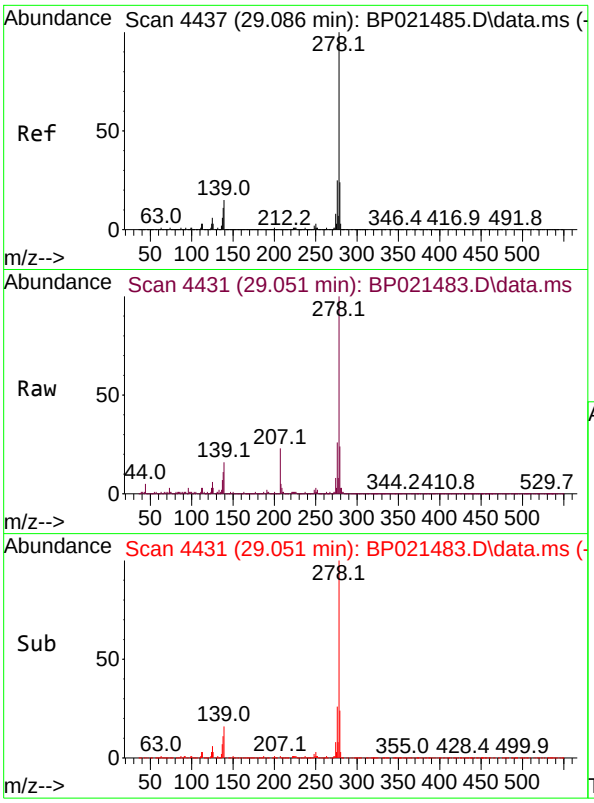


#90
Benzo(a)pyrene
Concen: 9.565 ng
RT: 24.927 min Scan# 3730
Delta R.T. -0.024 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1035462

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

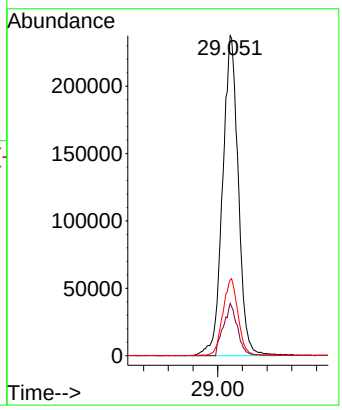




#91
Dibenzo(a,h)anthracene
Concen: 8.956 ng
RT: 29.051 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:278 Resp: 104769

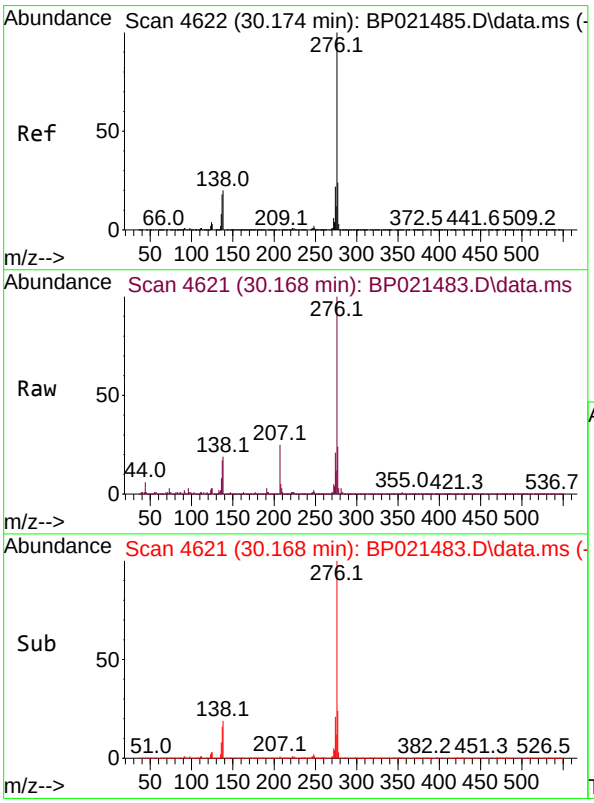
Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

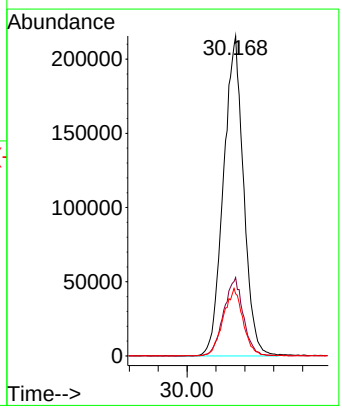
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 8.847 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 1037272

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	19.4	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	325874	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1390587	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	947946	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2036378	20.000	ng		0.00
76) Chrysene-d12	21.704	240	2051361	20.000	ng		0.00
86) Perylene-d12	25.110	264	2332049	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	915778	41.728	ng		0.00
7) Phenol-d6	6.958	99	1343954	41.979	ng		0.00
23) Nitrobenzene-d5	8.952	82	1073821	39.857	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	421534	39.955	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	2531601	40.758	ng		0.00
79) Terphenyl-d14	19.975	244	4240552	40.160	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	221781	21.313	ng		98
3) Pyridine	3.705	79	623899	21.477	ng		99
4) n-Nitrosodimethylamine	3.617	42	185073	21.196	ng		96
6) Aniline	7.128	93	669123	20.906	ng		99
8) 2-Chlorophenol	7.369	128	420713	20.744	ng		98
9) Benzaldehyde	6.946	77	459162	22.400	ng		100
10) Phenol	6.987	94	696832	21.019	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	582174	20.753	ng		98
12) 1,3-Dichlorobenzene	7.699	146	503772	20.912	ng		99
13) 1,4-Dichlorobenzene	7.840	146	506071	20.804	ng		99
14) 1,2-Dichlorobenzene	8.158	146	493188	21.038	ng		99
15) Benzyl Alcohol	8.034	79	480369	20.912	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	535190	20.717	ng		99
17) 2-Methylphenol	8.234	107	439840	20.986	ng		100
18) Hexachloroethane	8.893	117	201027	20.608	ng		98
19) n-Nitroso-di-n-propyla...	8.605	70	467087	21.121	ng		100
20) 3+4-Methylphenols	8.558	107	584839	20.695	ng		99
22) Acetophenone	8.616	105	893676	20.919	ng	#	99
24) Nitrobenzene	8.993	77	597794	20.430	ng		99
25) Isophorone	9.516	82	1322653	20.781	ng		100
26) 2-Nitrophenol	9.705	139	105219	20.765	ng		97
27) 2,4-Dimethylphenol	9.758	122	322640	20.541	ng		98
28) bis(2-Chloroethoxy)met...	9.999	93	795422	20.473	ng		99
29) 2,4-Dichlorophenol	10.234	162	375130	20.213	ng		98
30) 1,2,4-Trichlorobenzene	10.458	180	482172	20.265	ng		98
31) Naphthalene	10.646	128	1492878	20.550	ng		100
32) Benzoic acid	9.840	122	144329	19.969	ng		95
33) 4-Chloroaniline	10.734	127	564170	20.675	ng		99
34) Hexachlorobutadiene	10.946	225	302459	20.189	ng		98
35) Caprolactam	11.481	113	163665	21.189	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	531060	20.628	ng		99
37) 2-Methylnaphthalene	12.257	142	1015274	20.478	ng		100
38) 1-Methylnaphthalene	12.475	142	1008222	20.619	ng		100
40) 1,2,4,5-Tetrachloroben...	12.628	216	561317	20.209	ng		99
41) Hexachlorocyclopentadiene	12.616	237	164693	18.709	ng		99
43) 2,4,6-Trichlorophenol	12.863	196	301820	19.562	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	341066	19.897	ng		99
46) 1,1'-Biphenyl	13.281	154	1359024	20.263	ng		99
47) 2-Chloronaphthalene	13.322	162	1058999	20.282	ng		99
48) 2-Nitroaniline	13.504	65	218570	18.481	ng		97
49) Acenaphthylene	14.169	152	1571109	20.468	ng		100
50) Dimethylphthalate	13.904	163	1297733	20.442	ng		99
51) 2,6-Dinitrotoluene	14.016	165	215611	19.423	ng		93
52) Acenaphthene	14.516	154	1018510	20.223	ng		100
53) 3-Nitroaniline	14.346	138	209499	19.232	ng	#	91
54) 2,4-Dinitrophenol	14.540	184	49171	19.714	ng	#	74
55) Dibenzofuran	14.851	168	1589415	20.515	ng		99
56) 4-Nitrophenol	14.634	139	167932	20.016	ng		97
57) 2,4-Dinitrotoluene	14.804	165	248400	18.676	ng		92
58) Fluorene	15.516	166	1334998	20.975	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.081	232	286326	19.679	ng		98
60) Diethylphthalate	15.293	149	1353063	20.773	ng		100
61) 4-Chlorophenyl-phenyle...	15.522	204	680988	20.699	ng		97
62) 4-Nitroaniline	15.522	138	229769	19.603	ng		92
63) Azobenzene	15.816	77	1685601	21.052	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	79397	19.364	ng		96
66) n-Nitrosodiphenylamine	15.734	169	1118083	20.488	ng		100
67) 4-Bromophenyl-phenylether	16.434	248	432165	20.052	ng		99
68) Hexachlorobenzene	16.545	284	509441	20.002	ng		98
69) Atrazine	16.710	200	398442	21.266	ng		99
70) Pentachlorophenol	16.892	266	255526	18.381	ng		99
71) Phenanthrene	17.292	178	2033070	20.760	ng		99
72) Anthracene	17.398	178	1976030	20.574	ng		99
73) Carbazole	17.663	167	1916837	20.709	ng		99
74) Di-n-butylphthalate	18.269	149	2340289	20.587	ng		99
75) Fluoranthene	19.375	202	2511684	20.902	ng		100
77) Benzidine	19.575	184	924193	20.258	ng		99
78) Pyrene	19.751	202	2656705	19.814	ng		100
80) Butylbenzylphthalate	20.710	149	843482	18.934	ng		98
81) Benzo(a)anthracene	21.686	228	2648478	20.566	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	847490	20.526	ng		99
83) Chrysene	21.751	228	2472528	20.336	ng		100
84) Bis(2-ethylhexyl)phtha...	21.651	149	1520788	19.981	ng		99
85) Di-n-octyl phthalate	22.963	149	2286827	20.217	ng		99
87) Indeno(1,2,3-cd)pyrene	28.980	276	3071376m	20.320	ng		
88) Benzo(b)fluoranthene	24.033	252	2700298	20.161	ng		98
89) Benzo(k)fluoranthene	24.104	252	2620830	20.059	ng		99
90) Benzo(a)pyrene	24.951	252	2339364	20.127	ng		98
91) Dibenzo(a,h)anthracene	29.080	278	2579763	20.539	ng		99
92) Benzo(g,h,i)perylene	30.168	276	2555517	20.300	ng		100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
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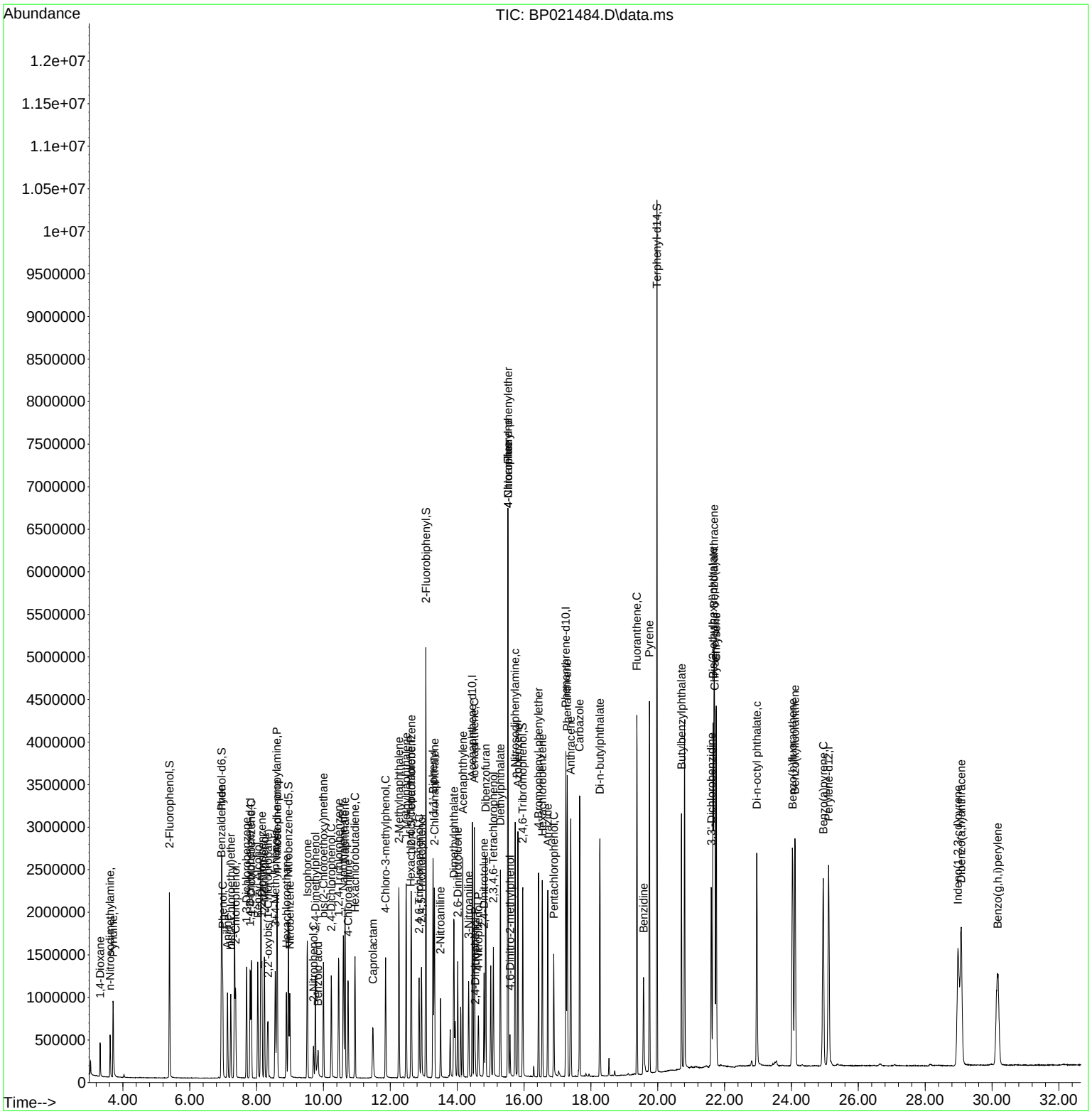
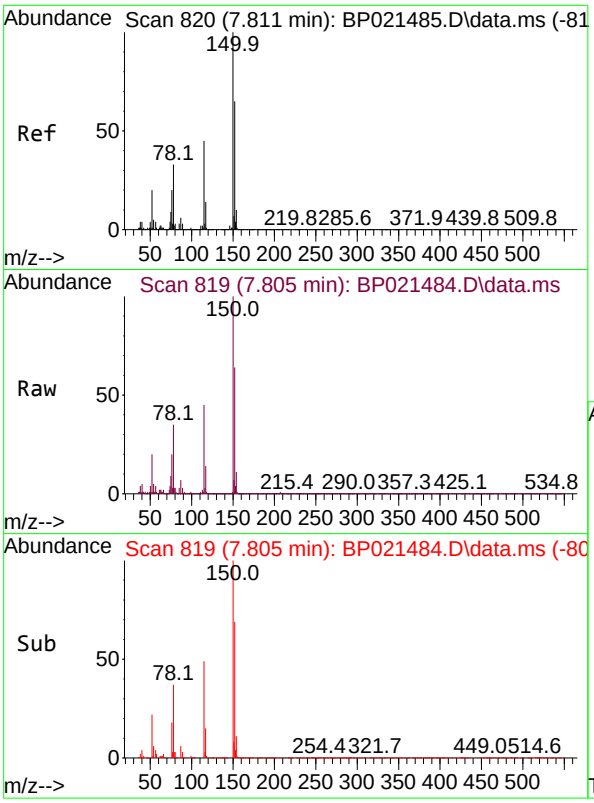
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

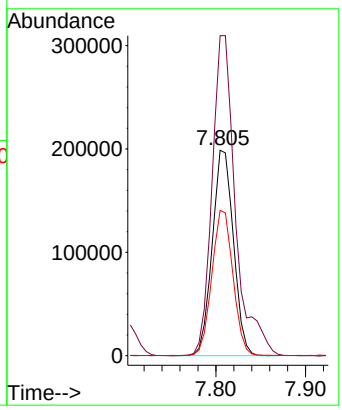




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 32587

Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.7	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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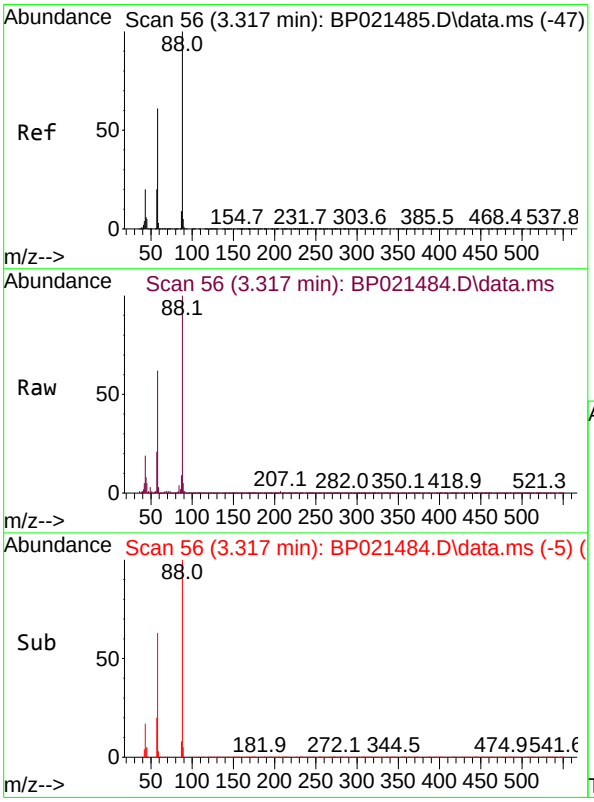
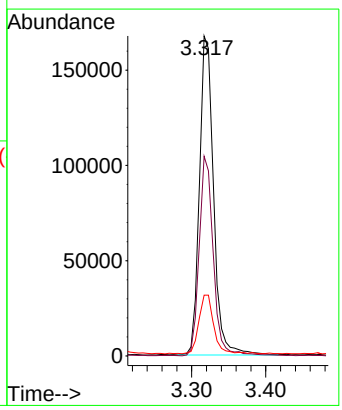
Supervised By :mohammad ahmed 08/14/2024

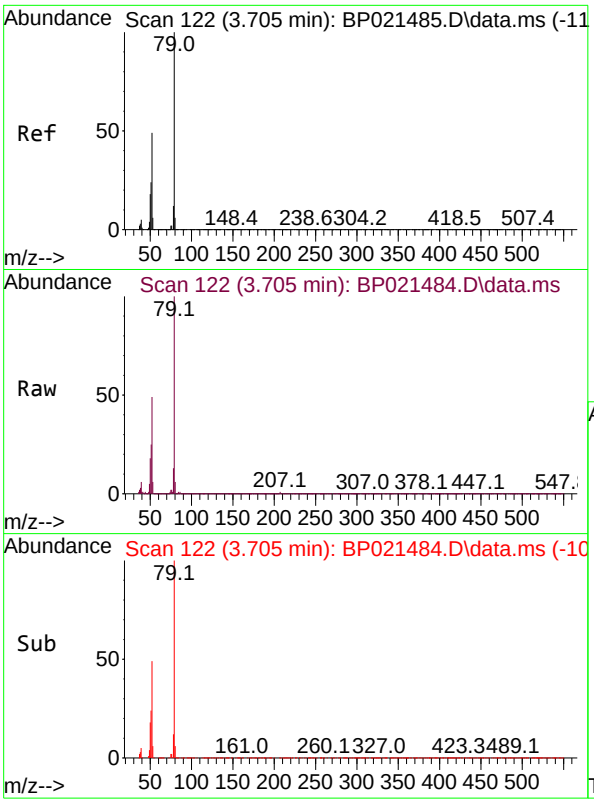


#2
1,4-Dioxane
Concen: 21.313 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 88 Resp: 221781

Ion	Ratio	Lower	Upper
88	100		
58	62.4	48.7	73.1
43	19.4	15.4	23.2

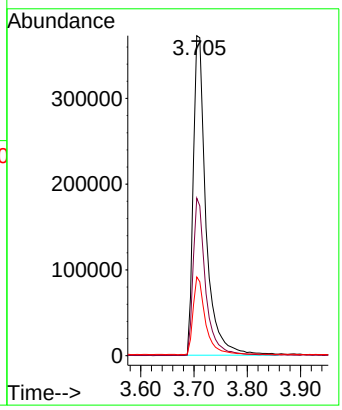




#3
Pyridine
Concen: 21.477 ng
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 79 Resp: 623899

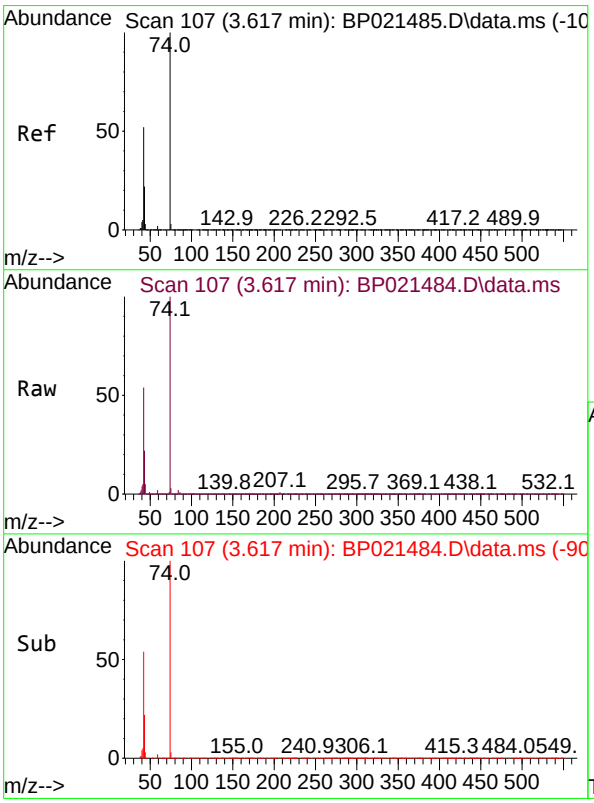
Ion	Ratio	Lower	Upper
79	100		
52	49.3	39.0	58.6
51	24.6	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

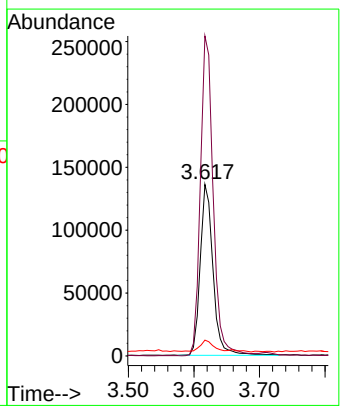
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

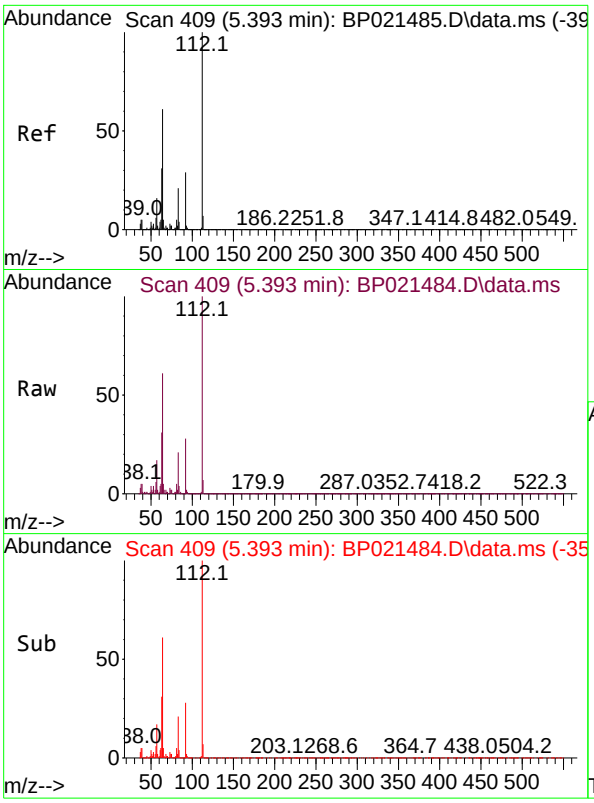


#4
n-Nitrosodimethylamine
Concen: 21.196 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 42 Resp: 185073

Ion	Ratio	Lower	Upper
42	100		
74	186.5	154.3	231.5
44	9.2	6.2	9.4

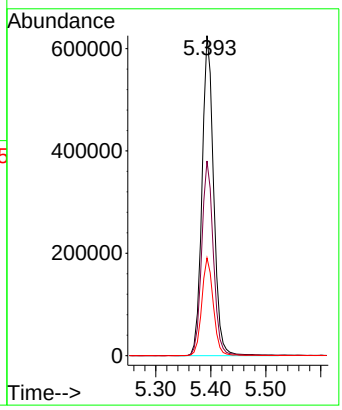




#5
2-Fluorophenol
Concen: 41.728 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:112 Resp: 91577

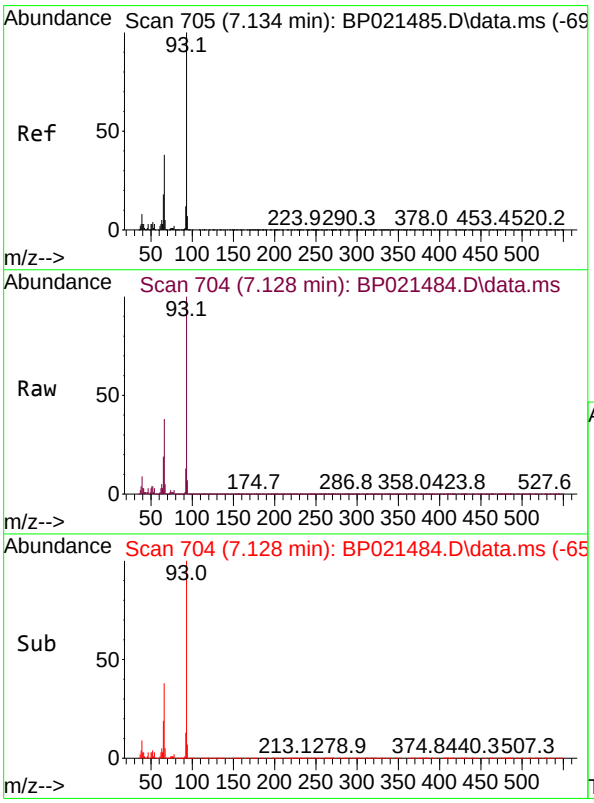
Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.0	73.6
63	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

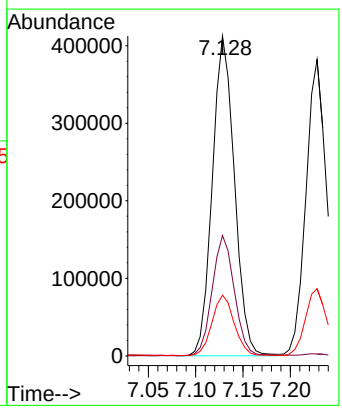
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

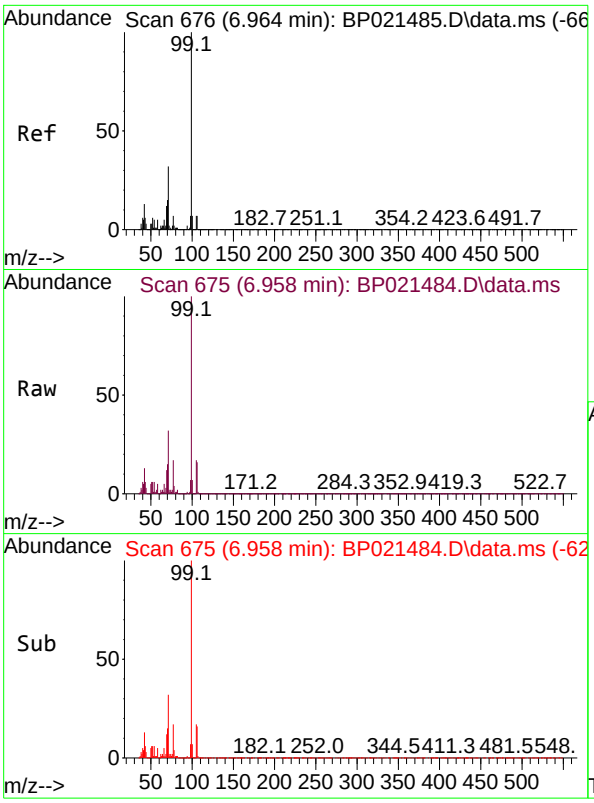


#6
Aniline
Concen: 20.906 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 669123

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.0	14.7	22.1

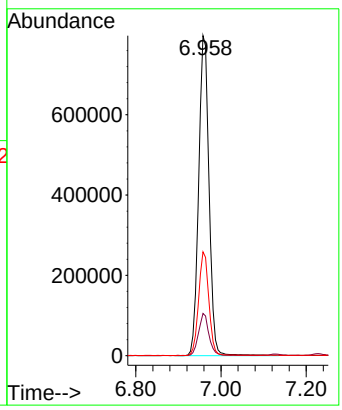




#7
Phenol-d6
Concen: 41.979 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 99 Resp: 134395

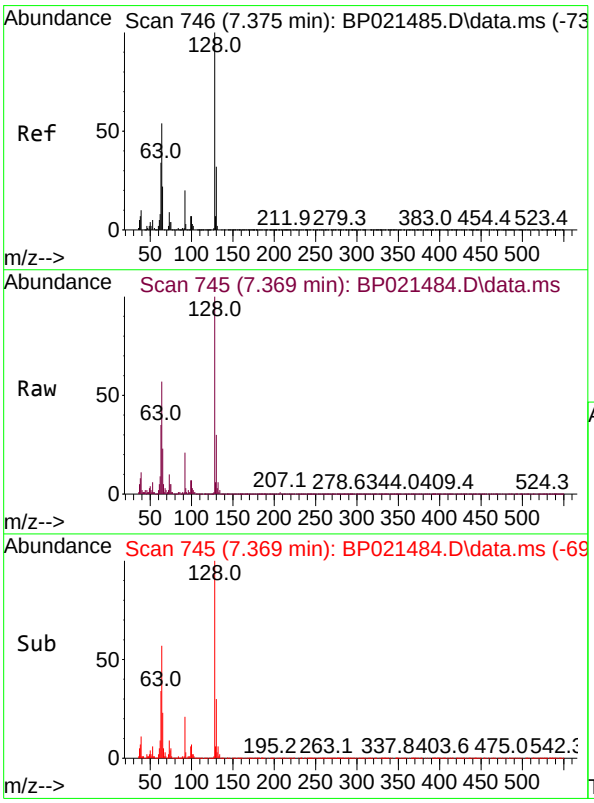
Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.2	15.4
71	32.4	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

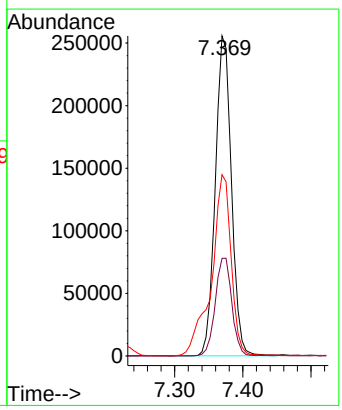
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

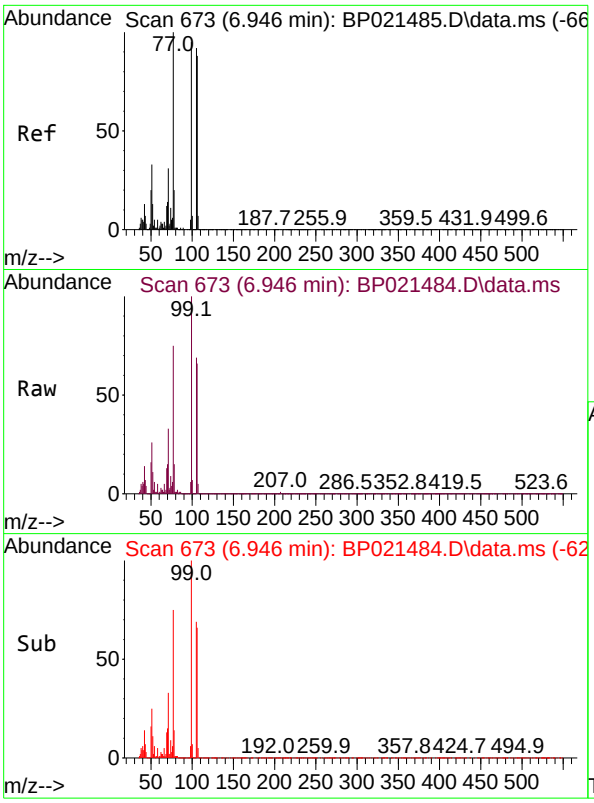


#8
2-Chlorophenol
Concen: 20.744 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 420713

Ion	Ratio	Lower	Upper
128	100		
130	30.5	11.6	51.6
64	56.6	35.3	75.3

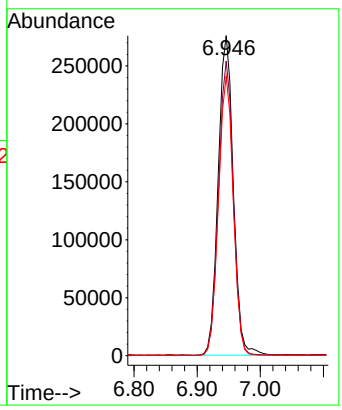




#9
Benzaldehyde
Concen: 22.400 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 45916

Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.3	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
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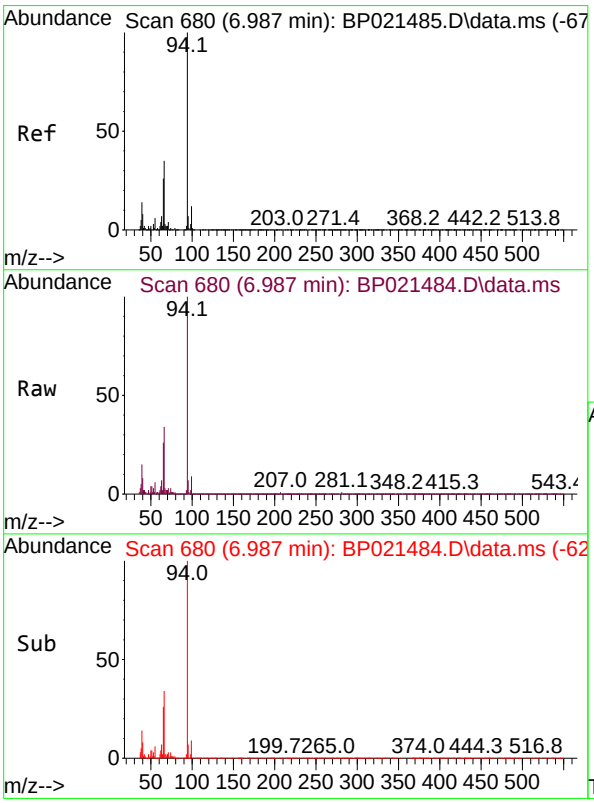
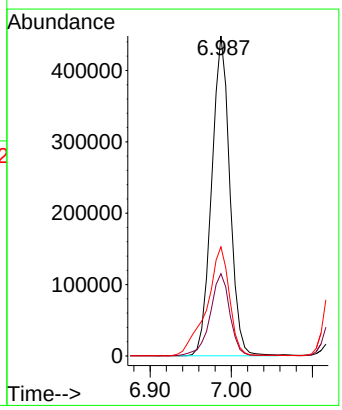
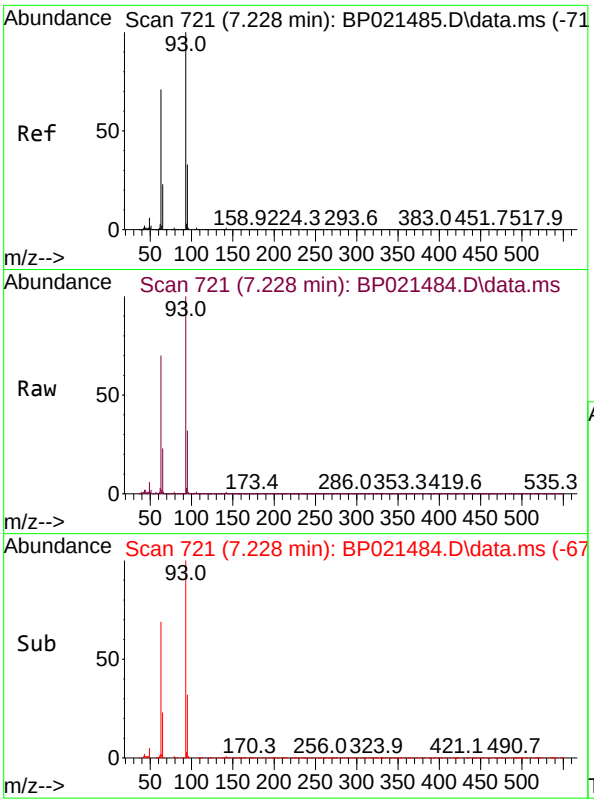


#10
Phenol
Concen: 21.019 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 94 Resp: 696832

Ion	Ratio	Lower	Upper
94	100		
65	25.7	6.5	46.5
66	34.1	14.7	54.7

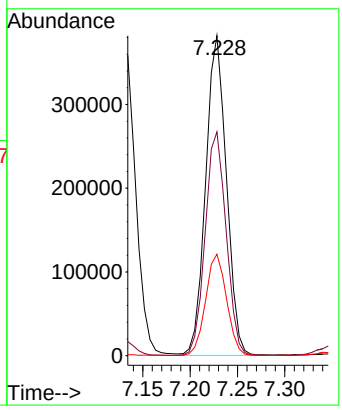




#11
bis(2-Chloroethyl)ether
Concen: 20.753 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 58217

Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	31.7	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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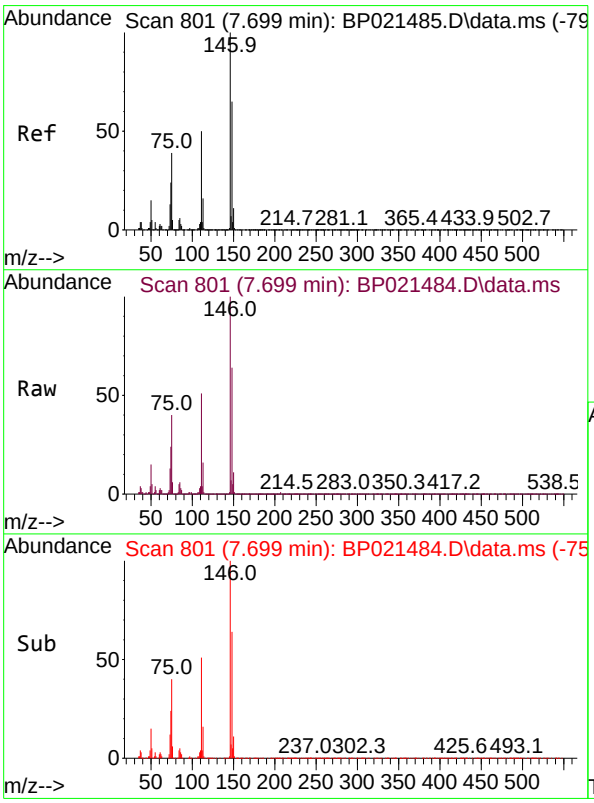
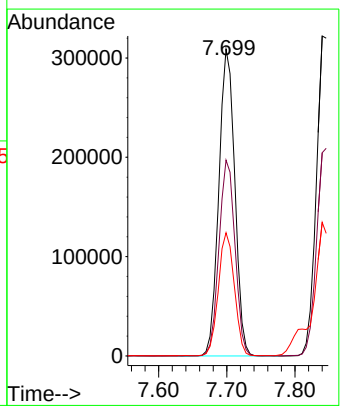
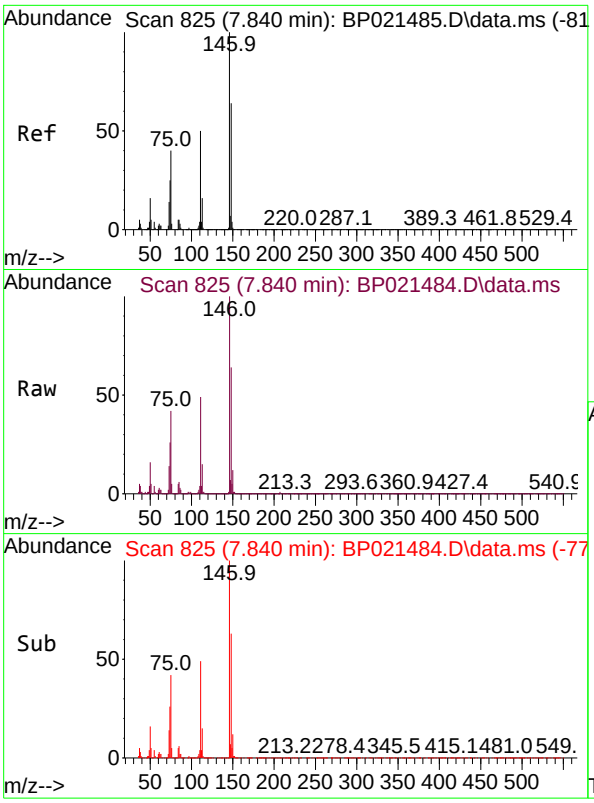


#12
1,3-Dichlorobenzene
Concen: 20.912 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 503772

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	40.2	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 50607

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.5	77.3
111	49.3	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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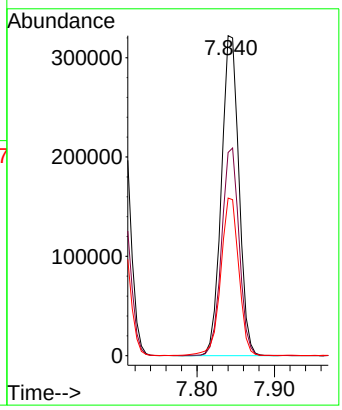
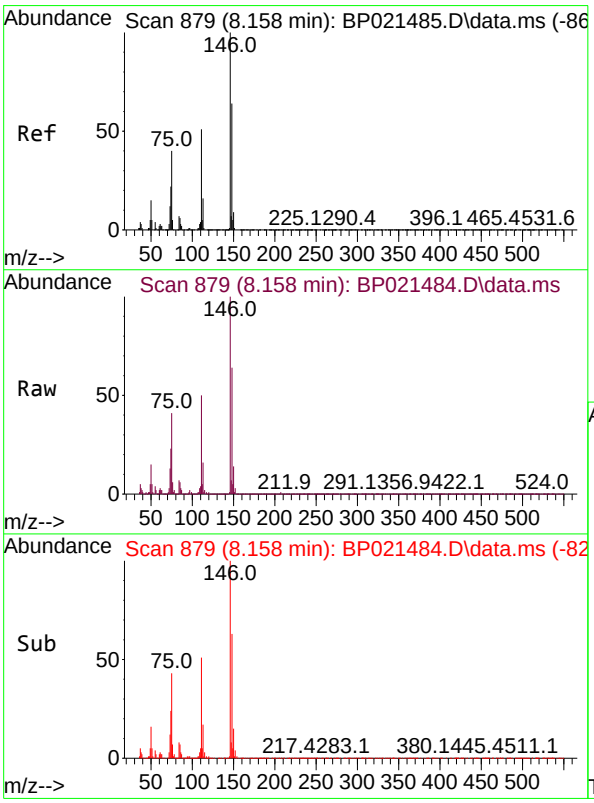
Supervised By :mohammad ahmed 08/14/2024

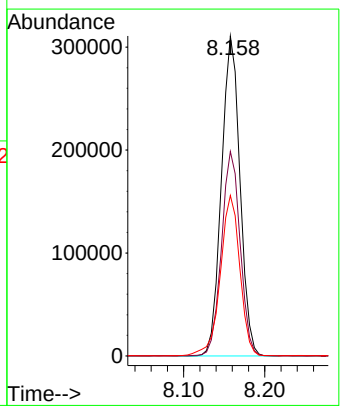


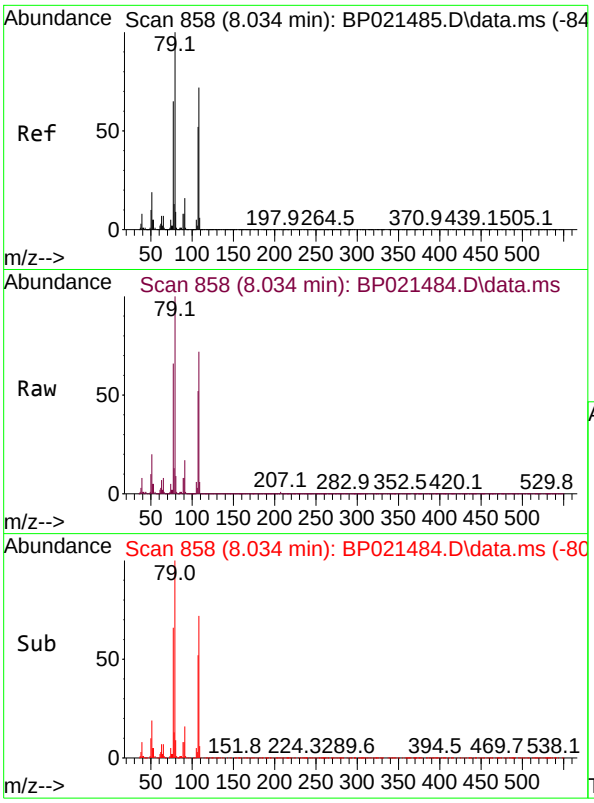


#14
1,2-Dichlorobenzene
Concen: 21.038 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 493188

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	50.1	41.1	61.7





#15
Benzyl Alcohol
Concen: 20.912 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 79 Resp: 48036

Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.9	86.9
77	65.7	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
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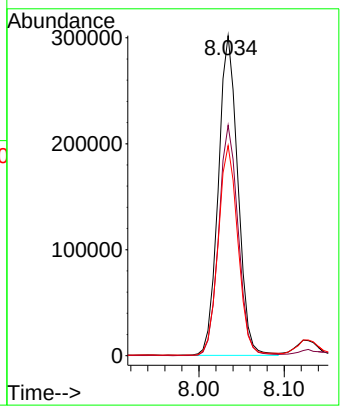
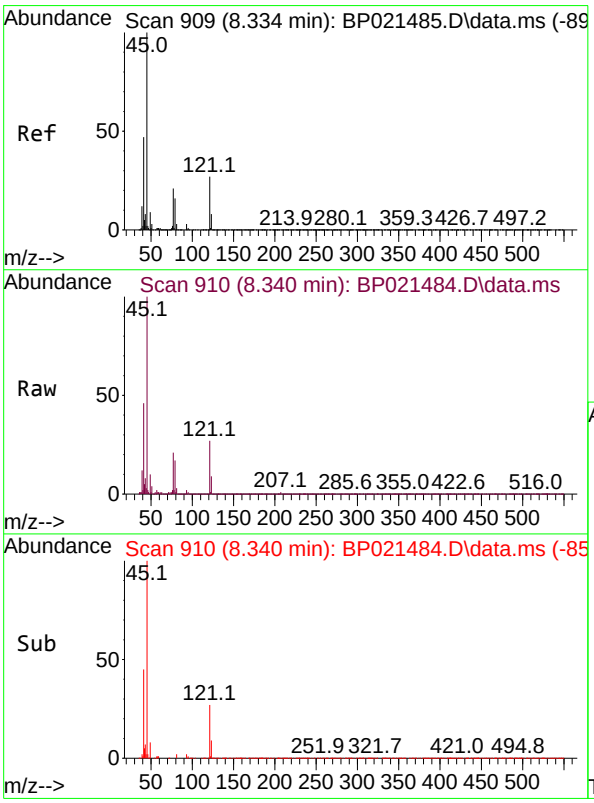
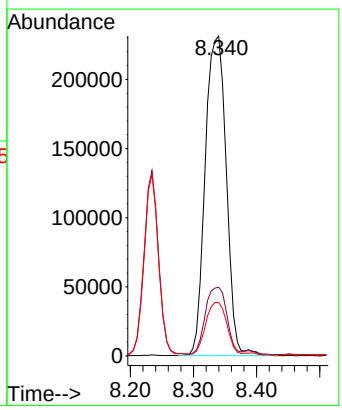


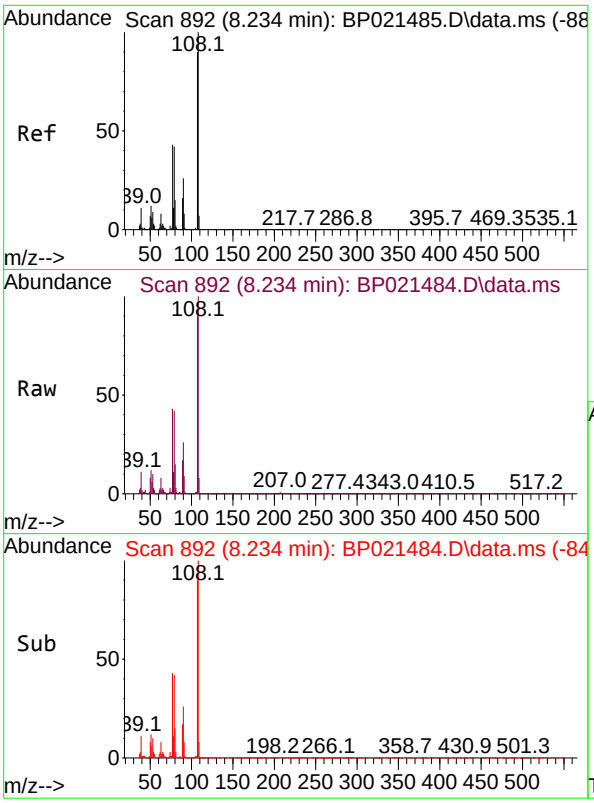


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.717 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 45 Resp: 535190

Ion	Ratio	Lower	Upper
45	100		
77	21.5	1.9	41.9
79	16.7	0.0	36.6

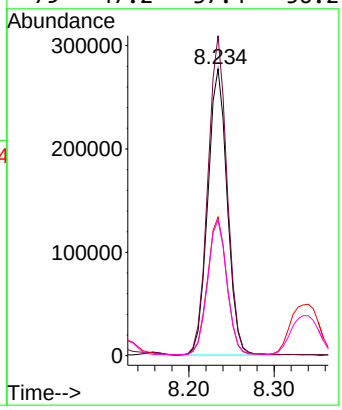




#17
2-Methylphenol
Concen: 20.986 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 43984

Ion	Ratio	Lower	Upper
107	100		
108	111.6	88.8	133.2
77	48.4	38.7	58.1
79	47.2	37.4	56.2



Instrument :
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ClientSampleId :
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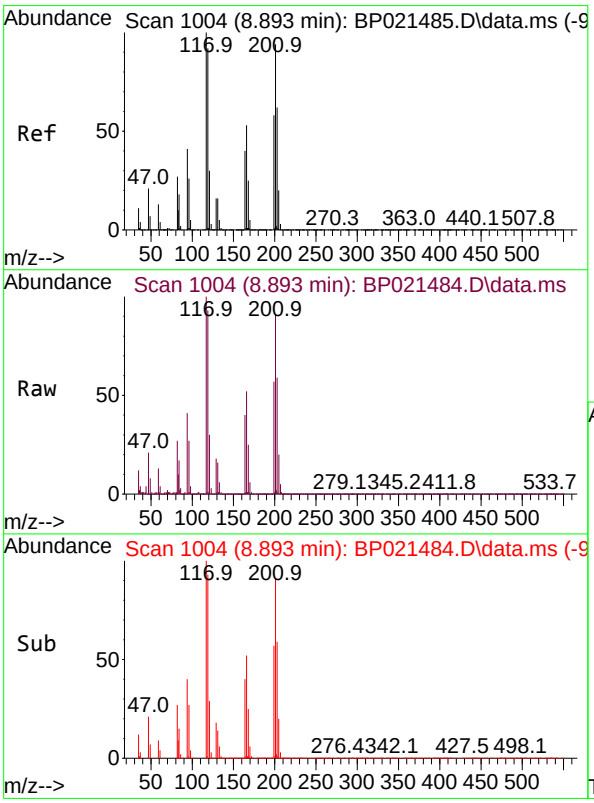
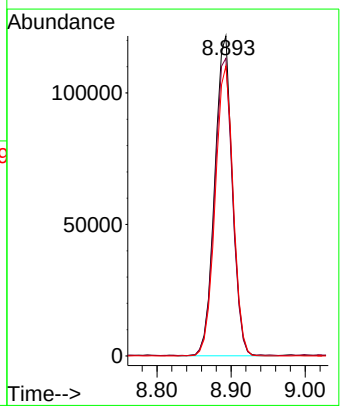
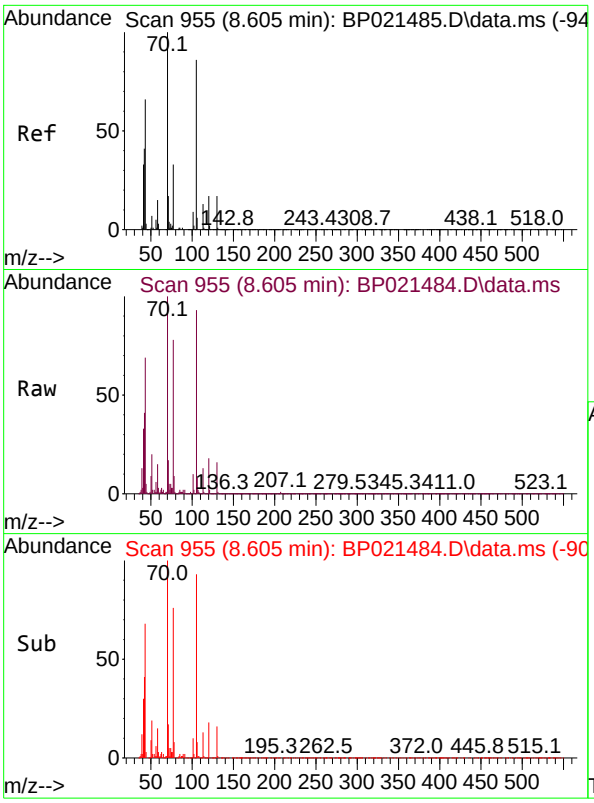


#18
Hexachloroethane
Concen: 20.608 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:117 Resp: 201027

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.9	110.9
201	90.6	74.9	112.3

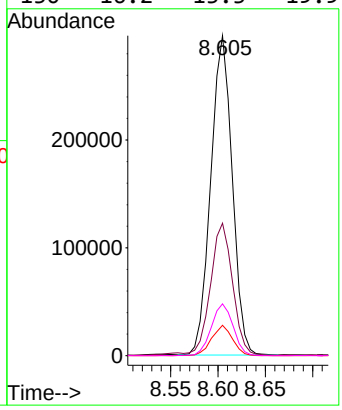




#19
n-Nitroso-di-n-propylamine
Concen: 21.121 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 70 Resp: 46708

Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.5	7.4	11.2
130	16.2	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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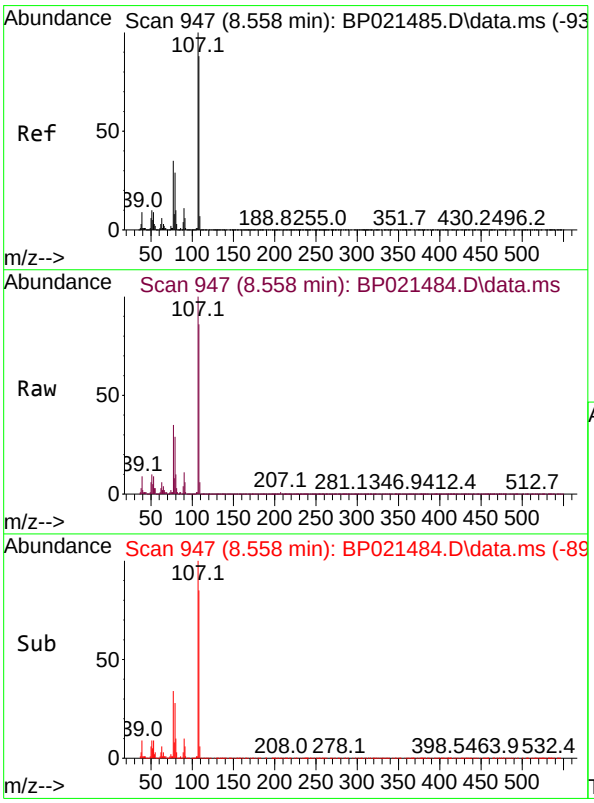
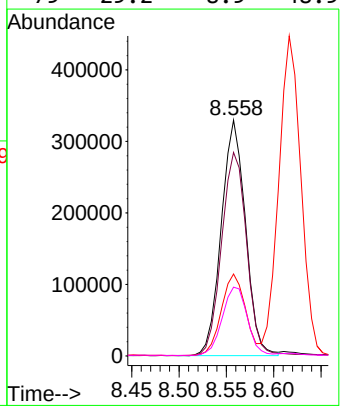
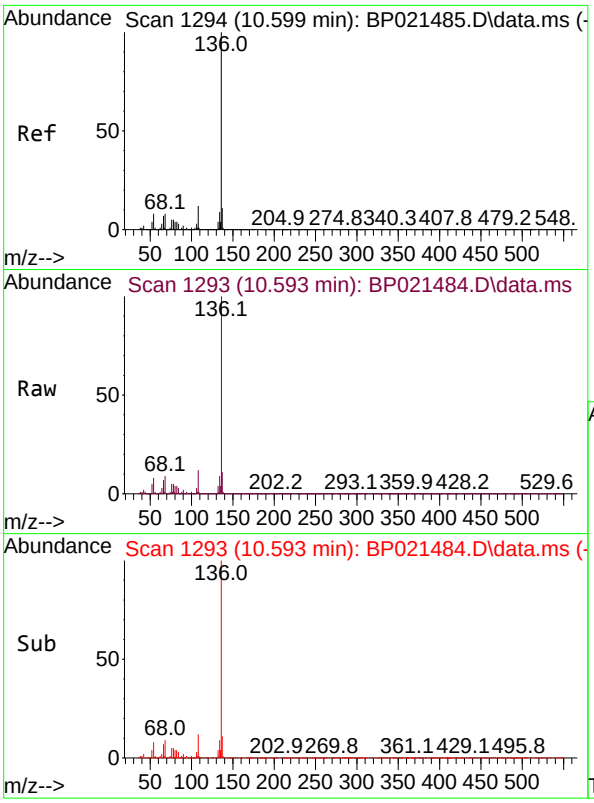


#20
3+4-Methylphenols
Concen: 20.695 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 584839

Ion	Ratio	Lower	Upper
107	100		
108	86.3	67.6	107.6
77	34.7	15.0	55.0
79	29.2	8.9	48.9

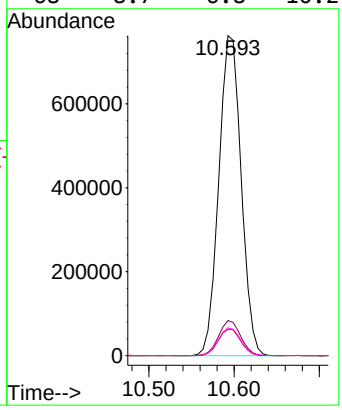




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:136 Resp: 139058

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.3	9.5
68	8.7	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
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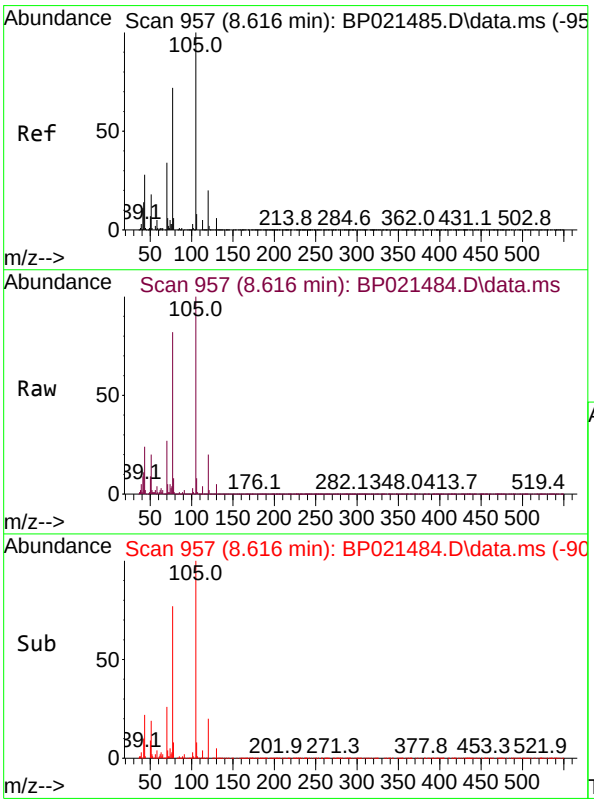
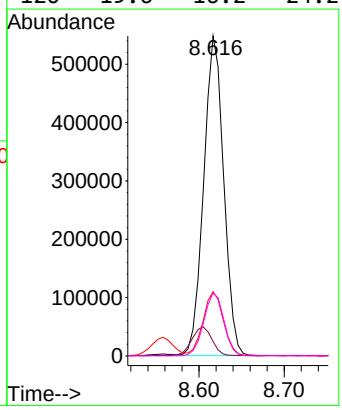
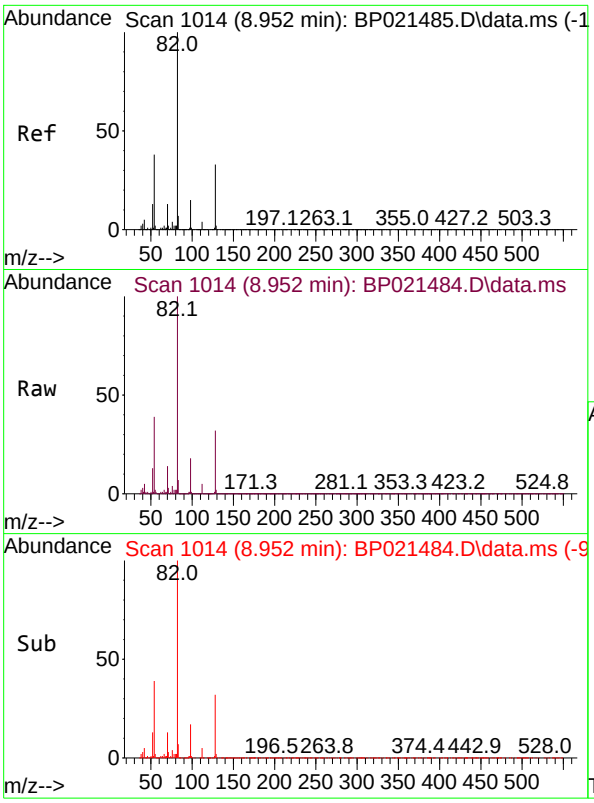


#22
Acetophenone
Concen: 20.919 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:105 Resp: 893676

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.6	7.0#
51	20.1	16.3	24.5
120	19.6	16.2	24.2





#23
Nitrobenzene-d5
Concen: 39.857 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 107382

Ion	Ratio	Lower	Upper
82	100		
128	31.9	26.5	39.7
54	38.7	30.3	45.5

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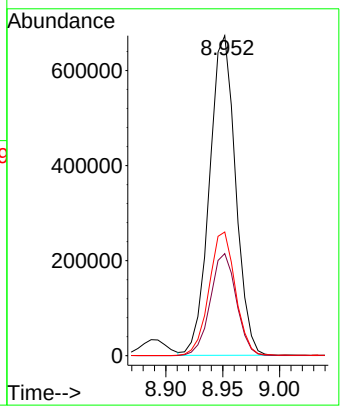
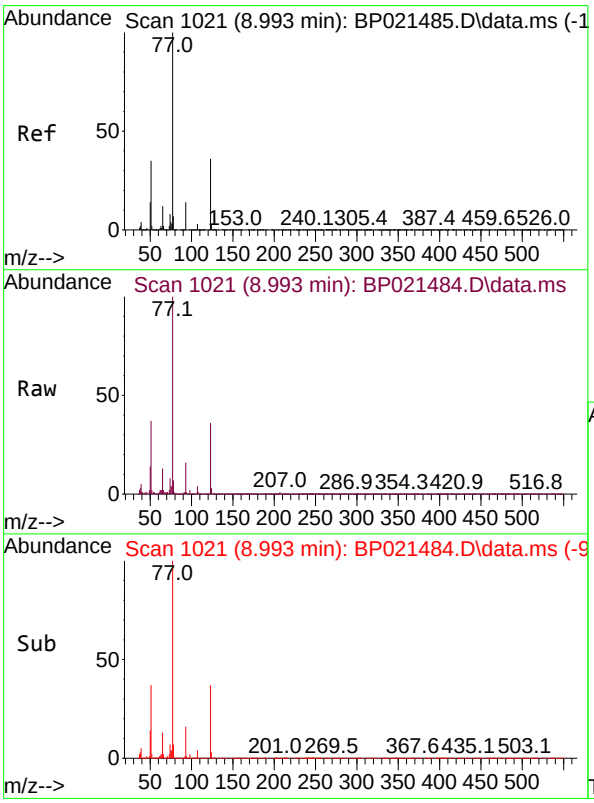
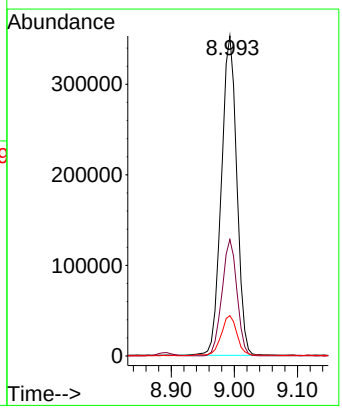


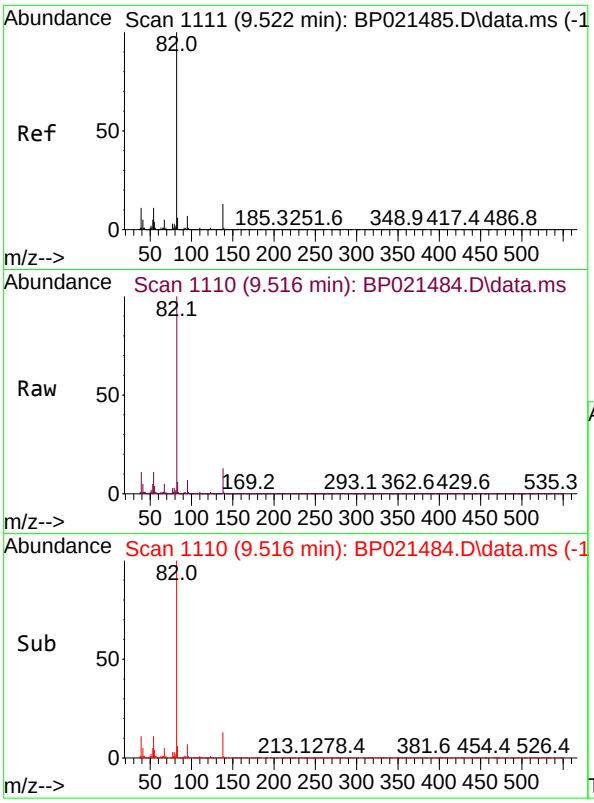


#24
Nitrobenzene
Concen: 20.430 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 597794

Ion	Ratio	Lower	Upper
77	100		
123	36.4	29.5	44.3
65	12.6	9.9	14.9





#25
Isophorone
Concen: 20.781 ng
RT: 9.516 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 82 Resp: 132265

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	13.1	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
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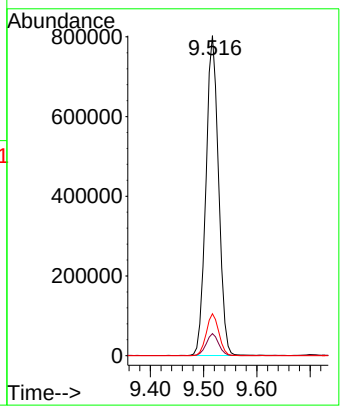
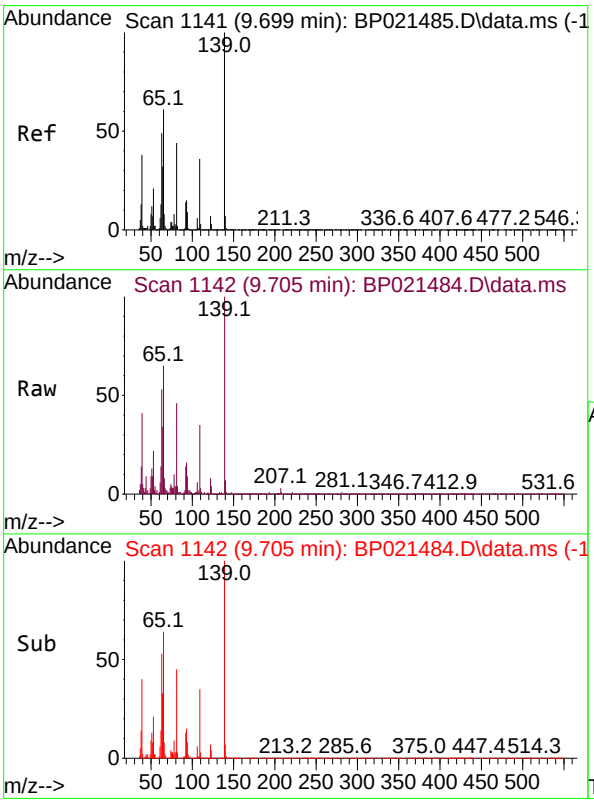
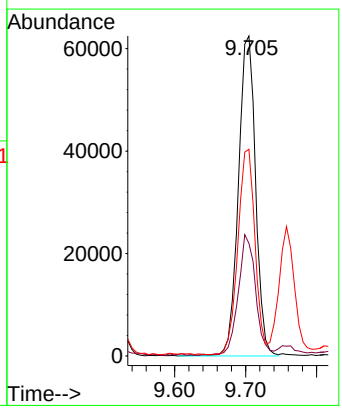


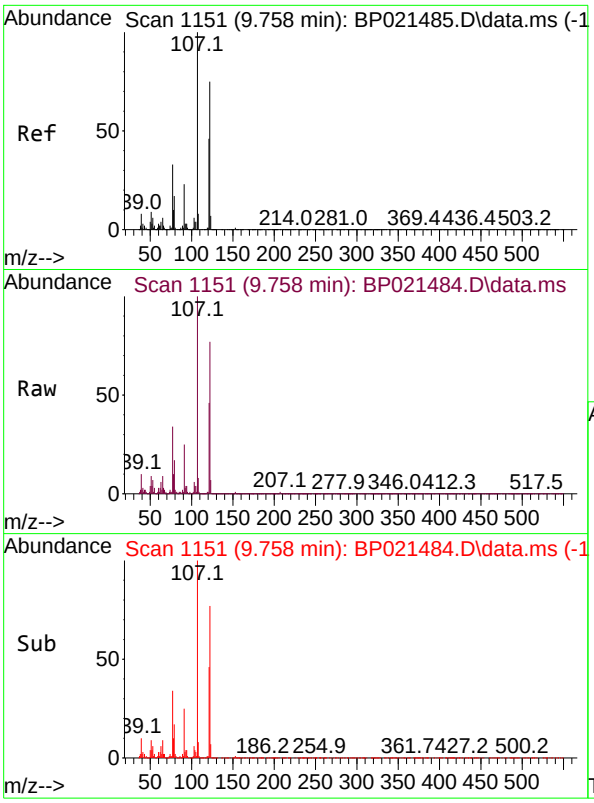


#26
2-Nitrophenol
Concen: 20.765 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 105219

Ion	Ratio	Lower	Upper
139	100		
109	35.2	28.9	43.3
65	64.6	49.0	73.6

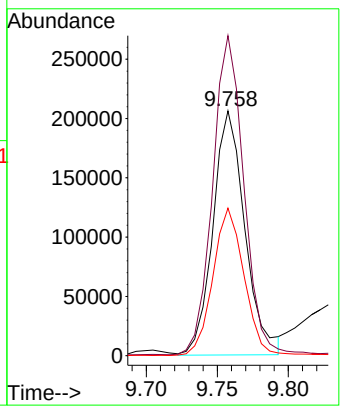




#27
2,4-Dimethylphenol
Concen: 20.541 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:122 Resp: 32264

Ion	Ratio	Lower	Upper
122	100		
107	130.7	106.2	159.4
121	60.3	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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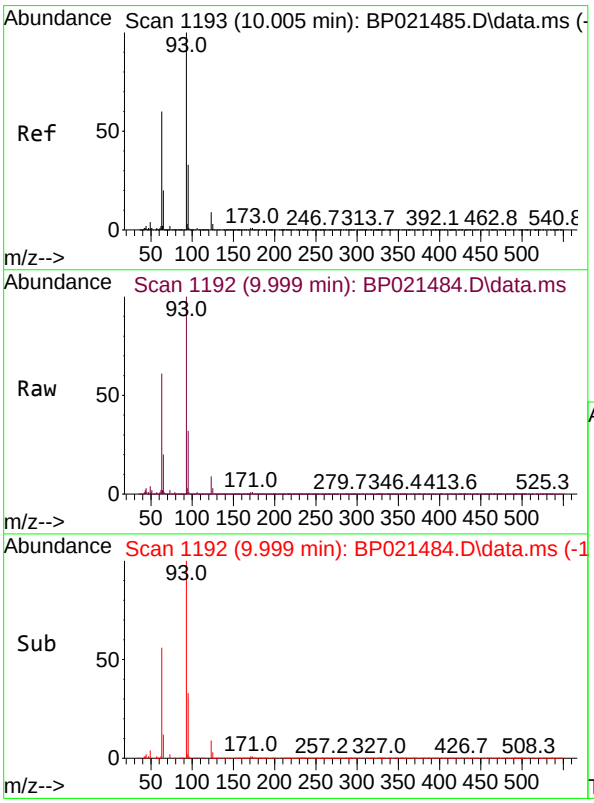
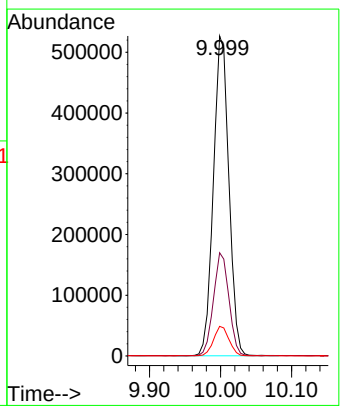
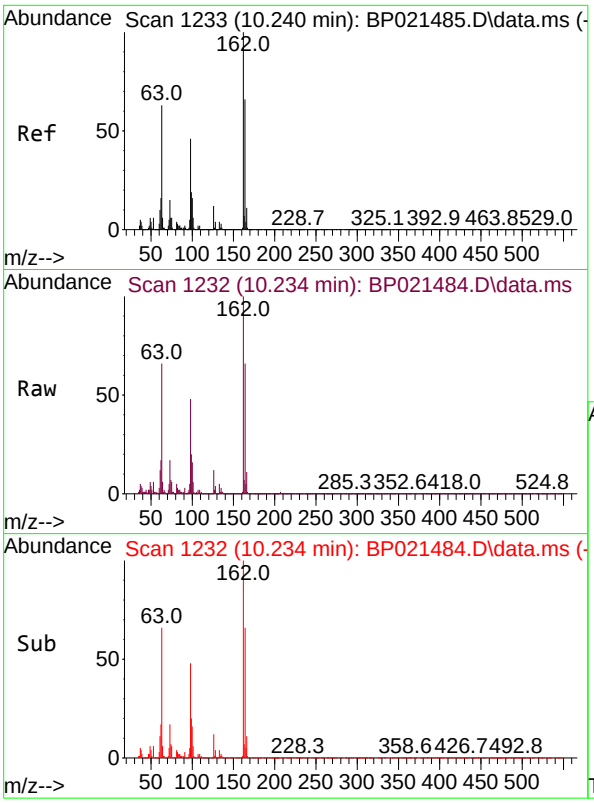


#28
bis(2-Chloroethoxy)methane
Concen: 20.473 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 795422

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.2	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 20.213 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 37513

Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.9	85.9
98	48.3	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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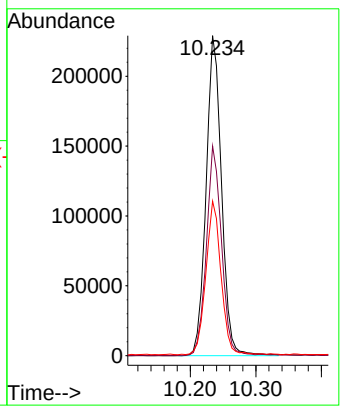
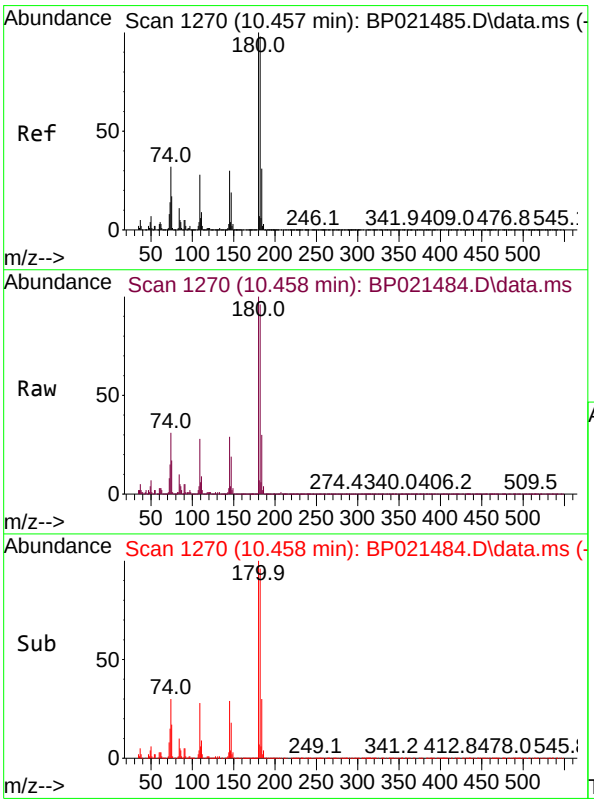
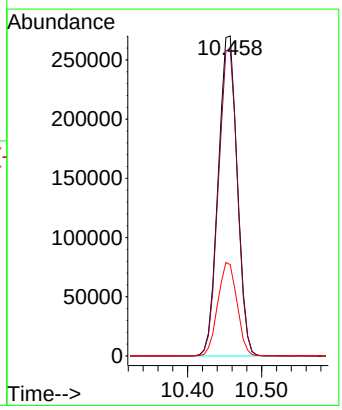


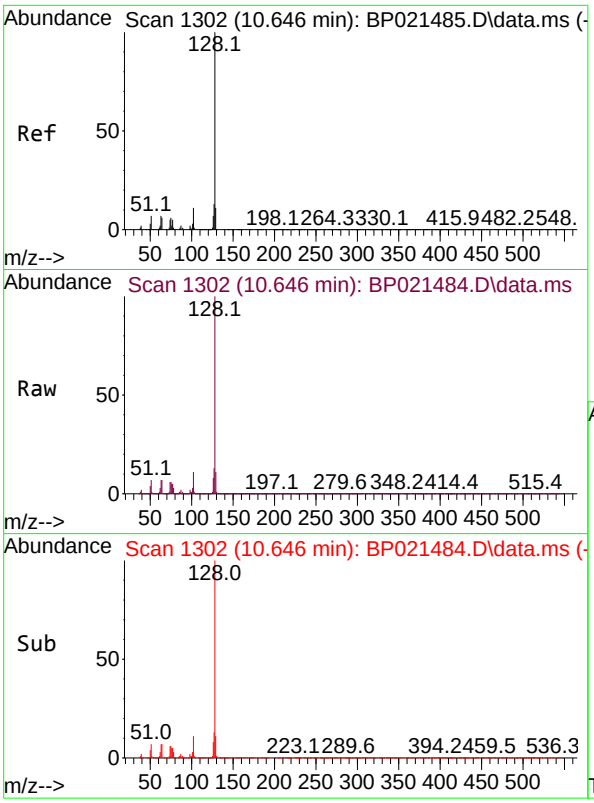


#30
1,2,4-Trichlorobenzene
Concen: 20.265 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:180 Resp: 482172

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.3	117.5
145	28.6	24.0	36.0

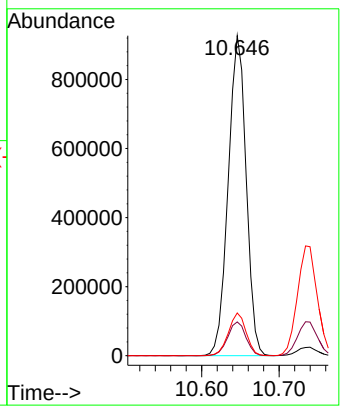




#31
Naphthalene
Concen: 20.550 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 149287

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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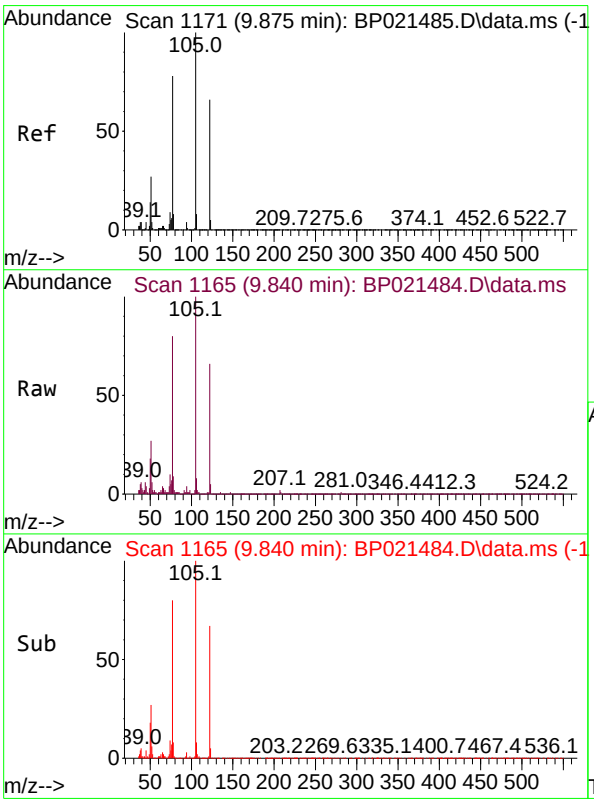
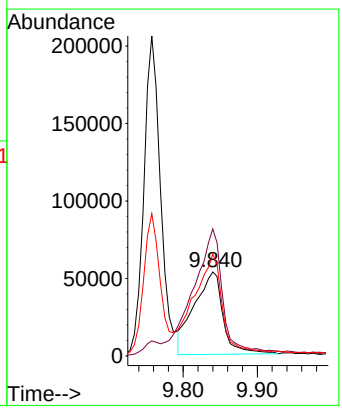
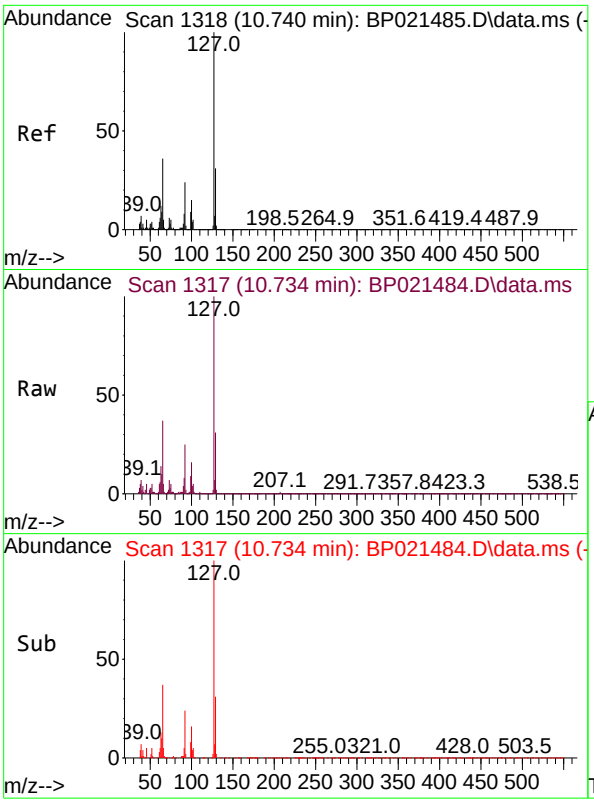


#32
Benzoic acid
Concen: 19.969 ng
RT: 9.840 min Scan# 1165
Delta R.T. -0.035 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:122 Resp: 144329

Ion	Ratio	Lower	Upper
122	100		
105	151.1	124.6	164.6
77	121.0	96.2	136.2

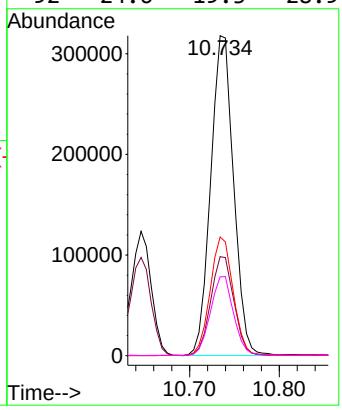




#33
4-Chloroaniline
Concen: 20.675 ng
RT: 10.734 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:127 Resp: 56417

Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.5	36.7
65	37.1	28.9	43.3
92	24.6	19.3	28.9



Instrument :
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ClientSampleId :
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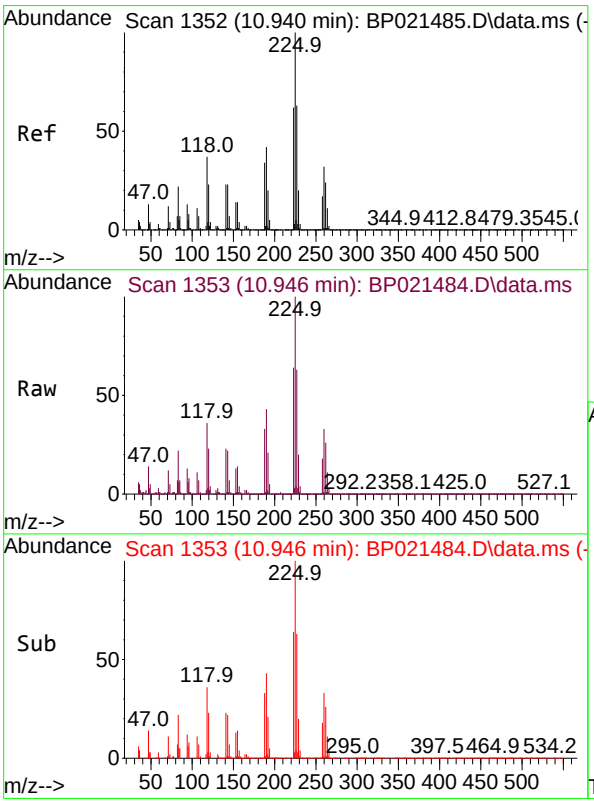
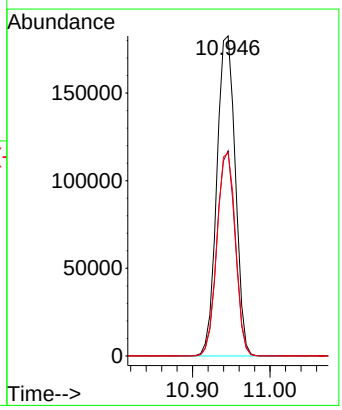
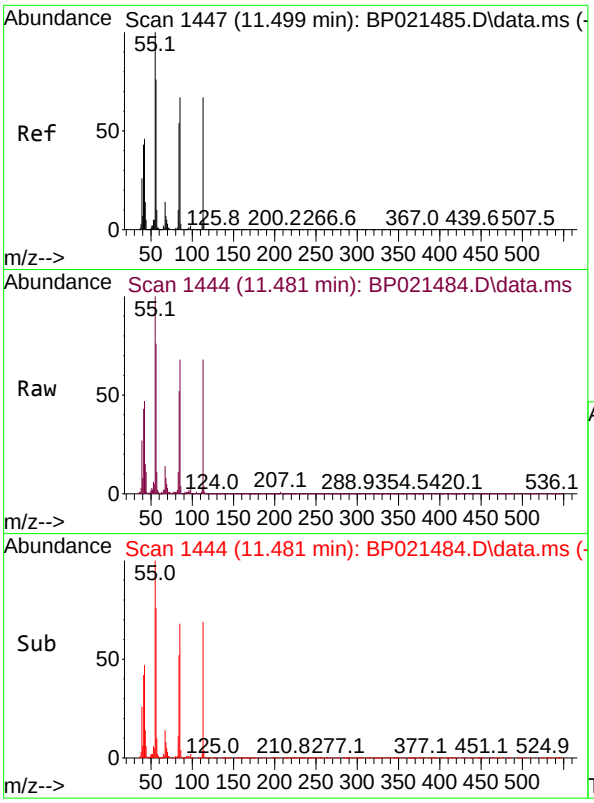


#34
Hexachlorobutadiene
Concen: 20.189 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:225 Resp: 302459

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.6	74.4
227	63.4	50.1	75.1

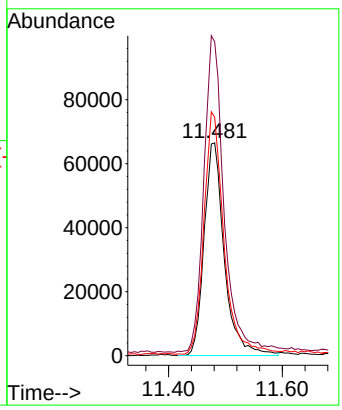




#35
Caprolactam
Concen: 21.189 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:113 Resp: 16366

Ion	Ratio	Lower	Upper
113	100		
55	147.5	130.6	170.6
56	112.1	94.6	134.6



Instrument :
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ClientSampleId :
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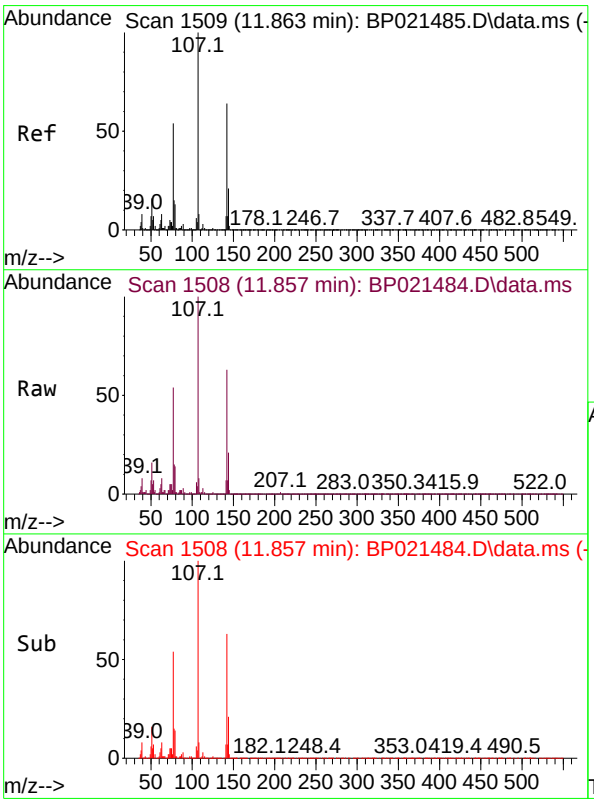
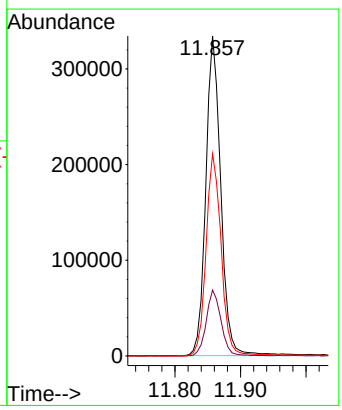
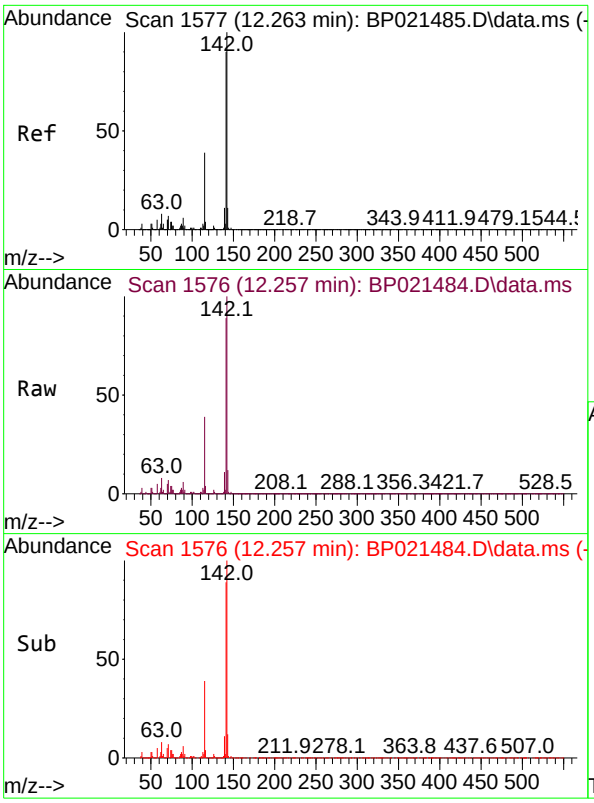


#36
4-Chloro-3-methylphenol
Concen: 20.628 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 531060

Ion	Ratio	Lower	Upper
107	100		
144	20.6	16.6	24.8
142	63.2	51.0	76.4

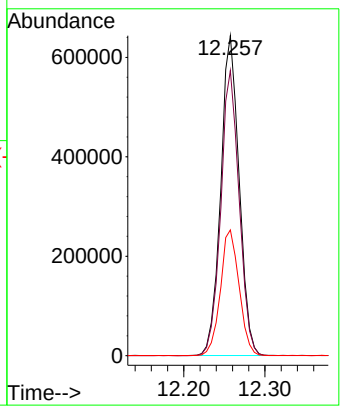




#37
2-Methylnaphthalene
Concen: 20.478 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 101527

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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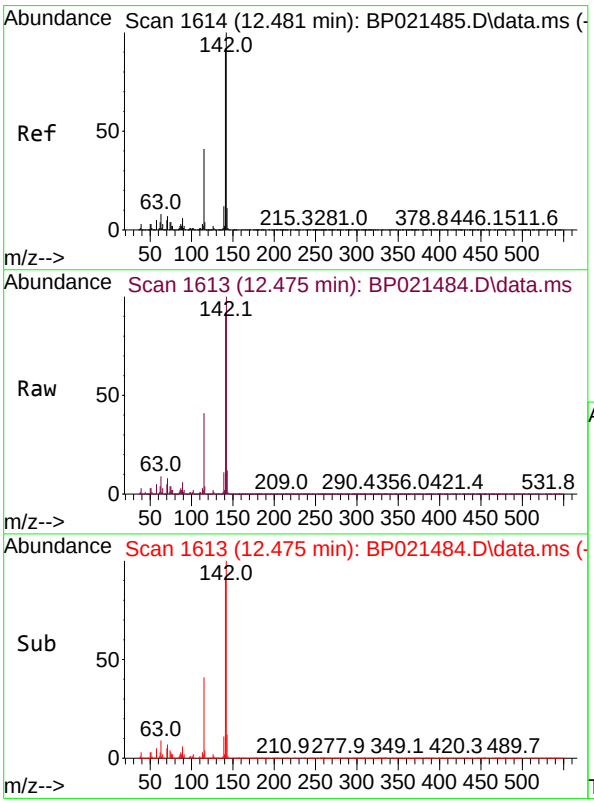
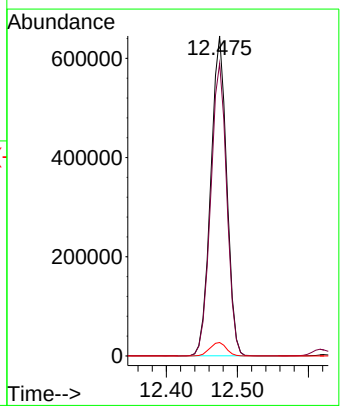
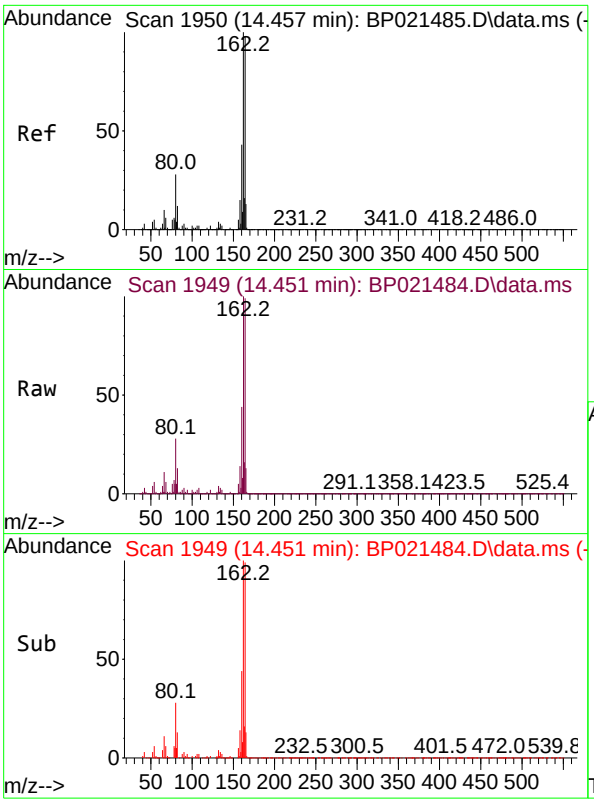


#38
1-Methylnaphthalene
Concen: 20.619 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 1008222

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2

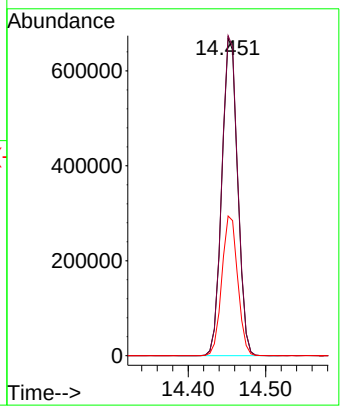




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:164 Resp: 94794

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.0	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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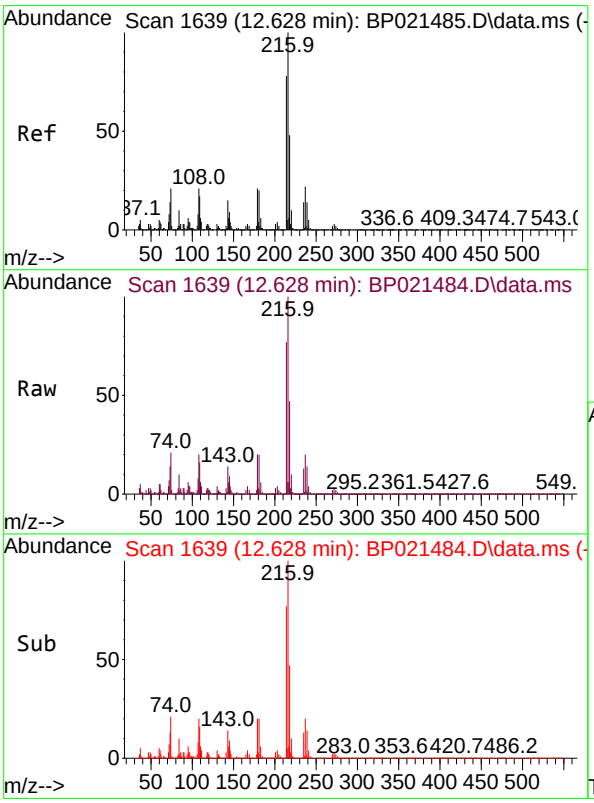
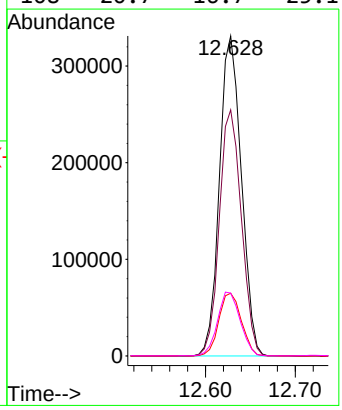
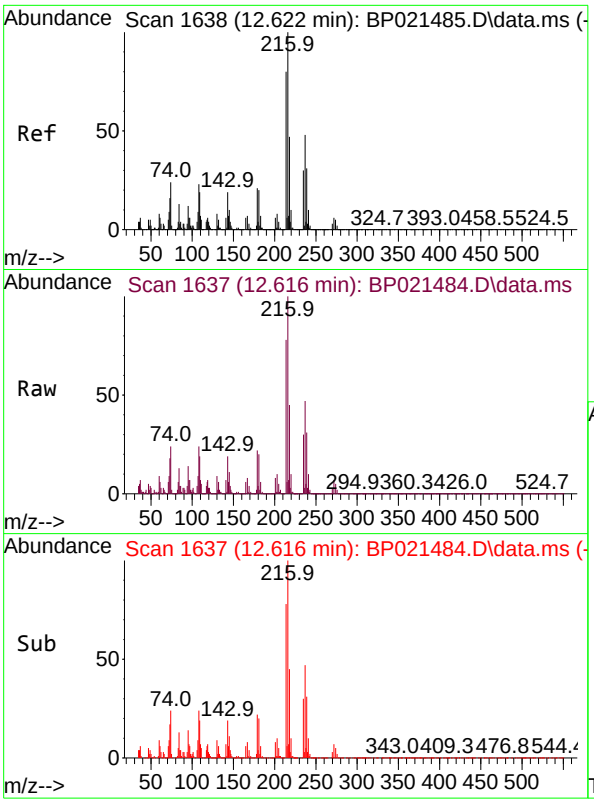


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.209 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:216 Resp: 561317

Ion	Ratio	Lower	Upper
216	100		
214	77.4	62.5	93.7
179	20.2	16.4	24.6
108	20.7	16.7	25.1

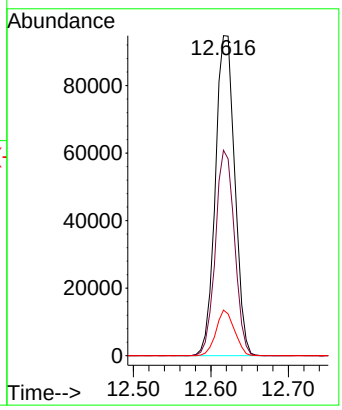




#41
Hexachlorocyclopentadiene
Concen: 18.709 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:237 Resp: 16469

Ion	Ratio	Lower	Upper
237	100		
235	64.2	43.9	83.9
272	14.2	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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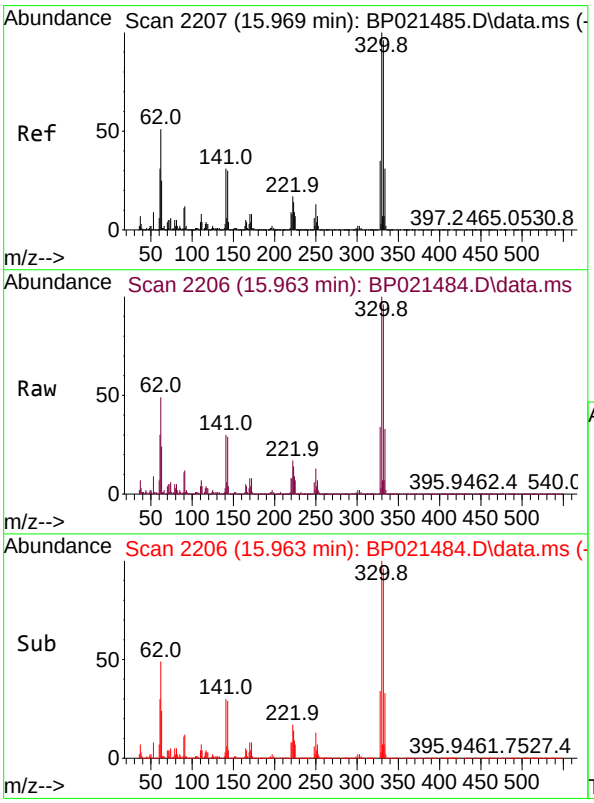
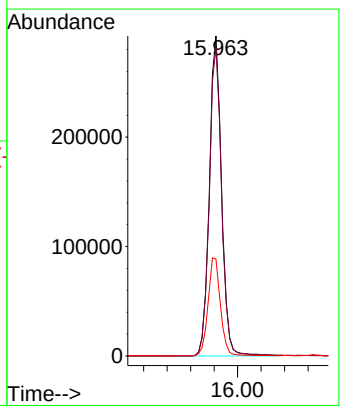
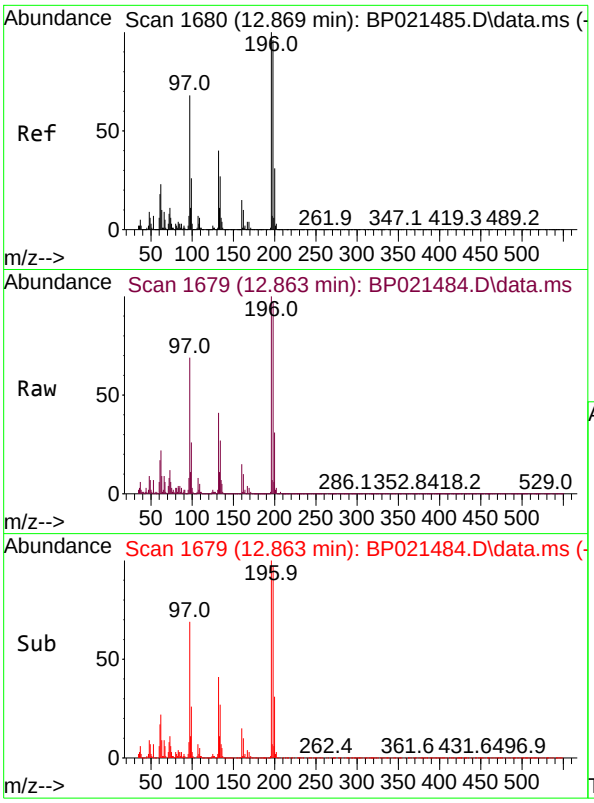


#42
2,4,6-Tribromophenol
Concen: 39.955 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:330 Resp: 421534

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	31.2	24.5	36.7

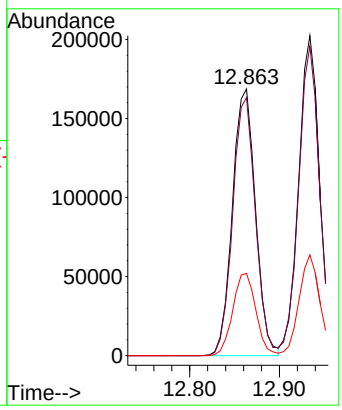




#43
2,4,6-Trichlorophenol
Concen: 19.562 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 30182

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.6	114.8
200	30.8	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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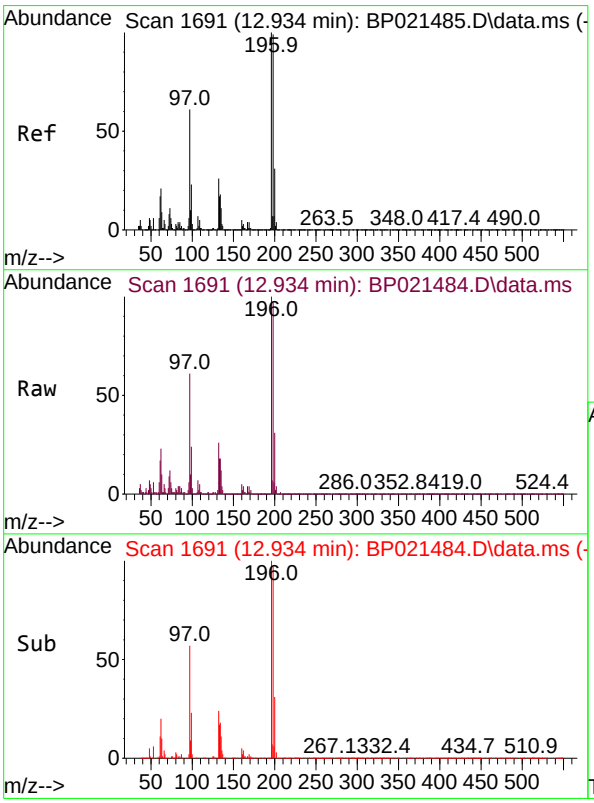
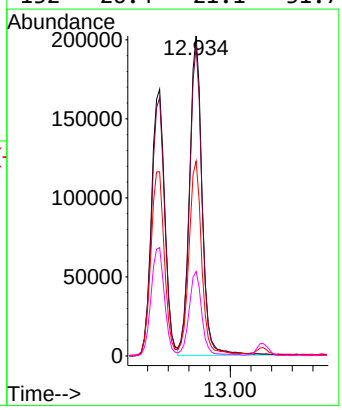
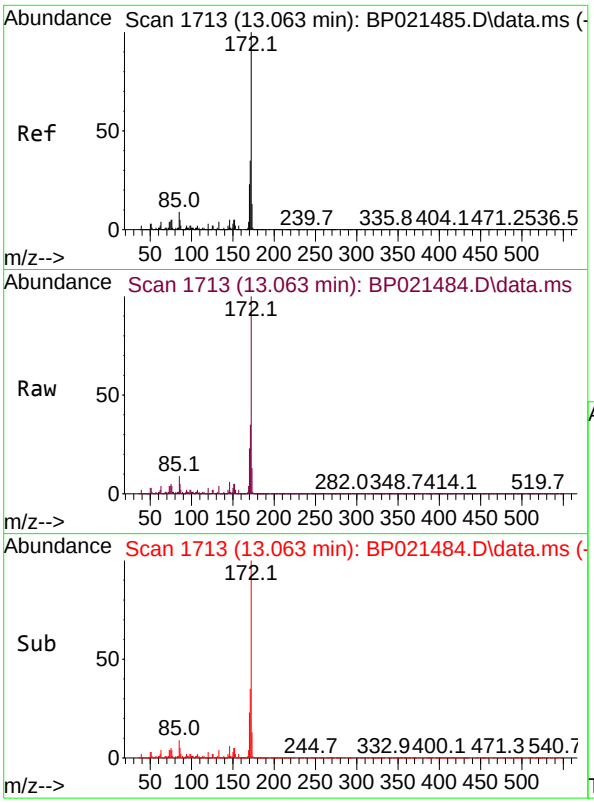


#44
2,4,5-Trichlorophenol
Concen: 19.897 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 341066

Ion	Ratio	Lower	Upper
196	100		
198	96.7	78.9	118.3
97	60.8	49.4	74.0
132	26.4	21.1	31.7

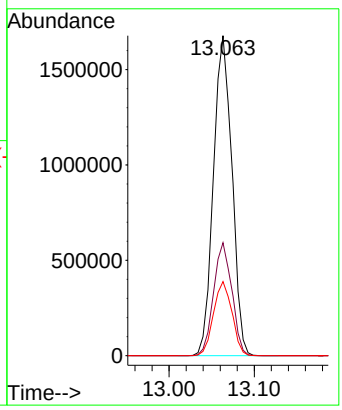




#45
2-Fluorobiphenyl
Concen: 40.758 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:172 Resp: 253160

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.1	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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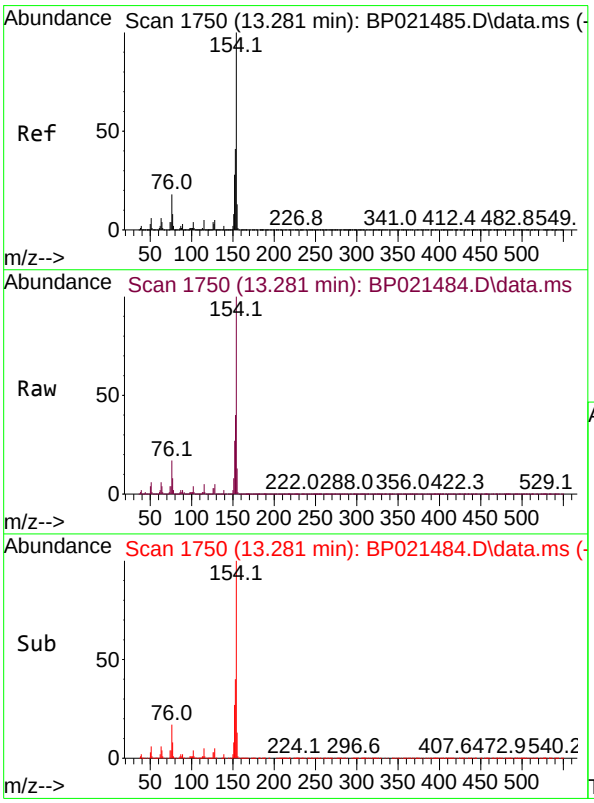
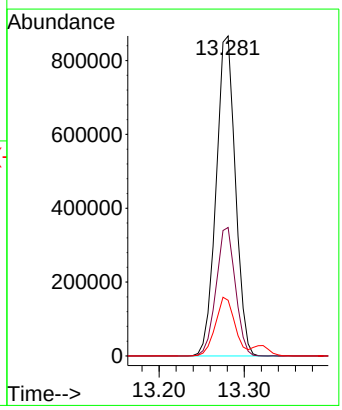
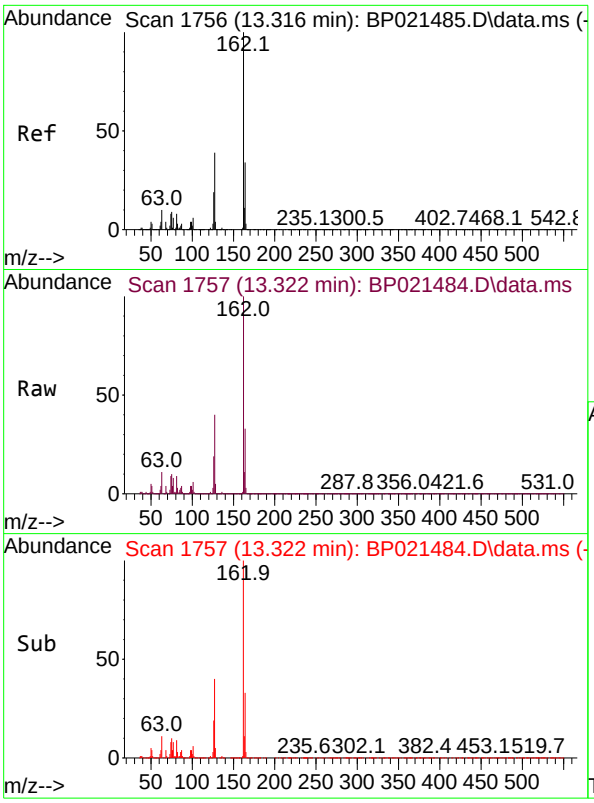


#46
1,1'-Biphenyl
Concen: 20.263 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1359024

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	17.4	0.0	37.7

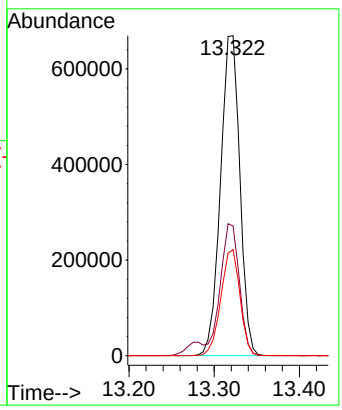




#47
2-Chloronaphthalene
Concen: 20.282 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 105899

Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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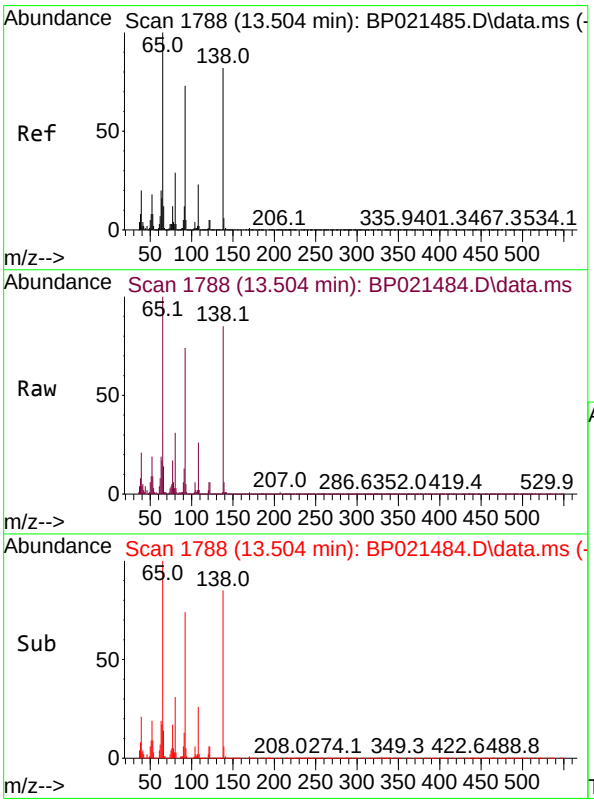
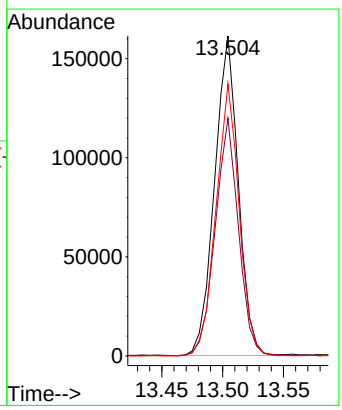
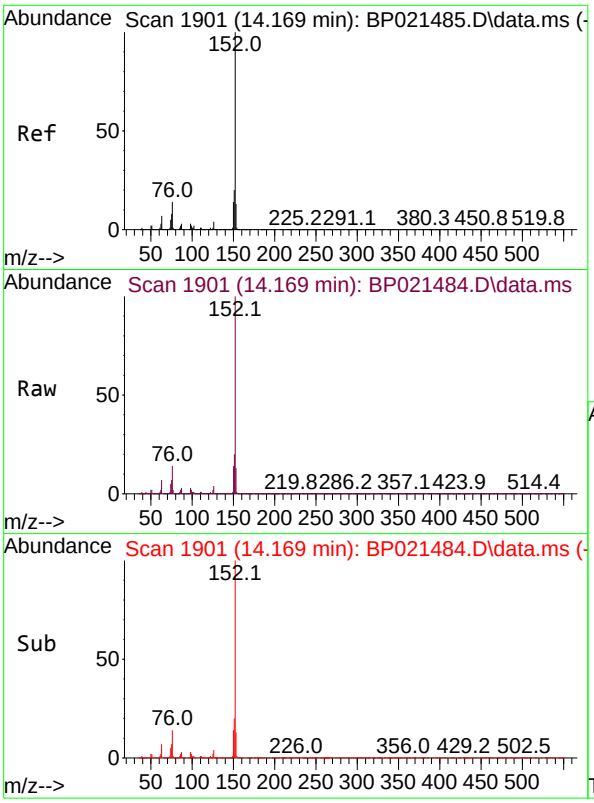


#48
2-Nitroaniline
Concen: 18.481 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 65 Resp: 218570

Ion	Ratio	Lower	Upper
65	100		
92	74.3	58.1	87.1
138	85.1	65.5	98.3

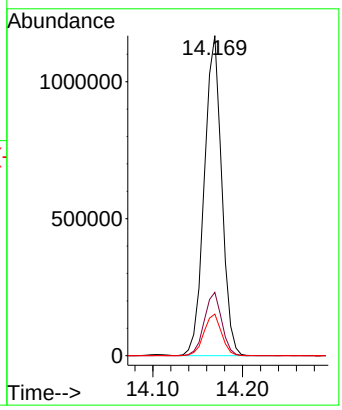




#49
Acenaphthylene
Concen: 20.468 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 157110

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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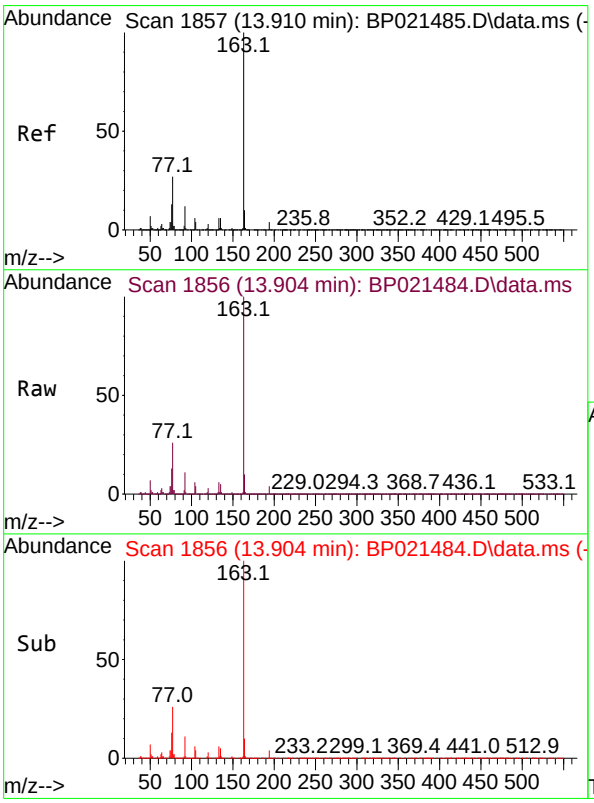
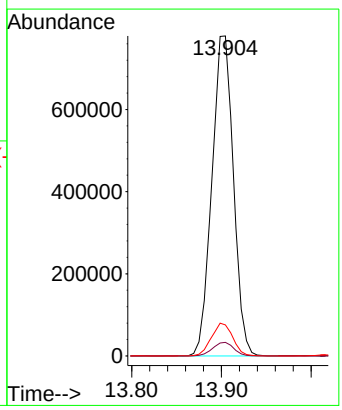
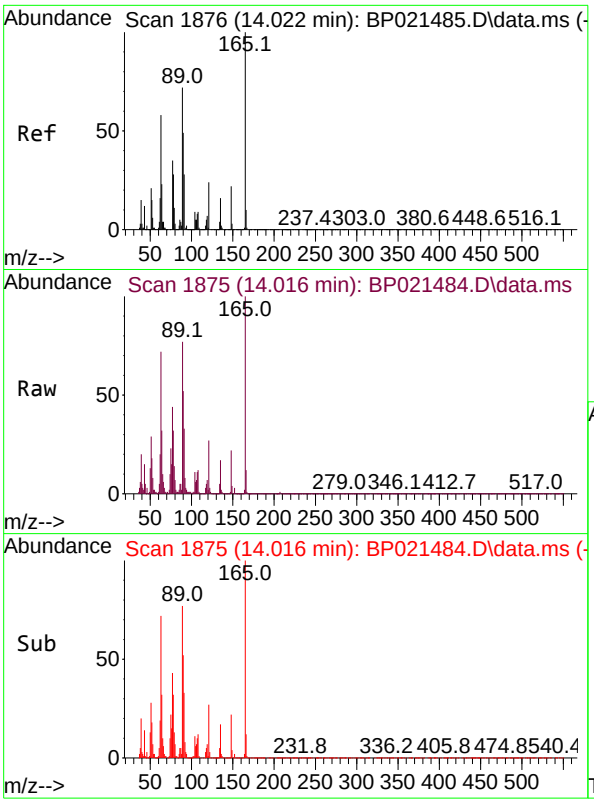


#50
Dimethylphthalate
Concen: 20.442 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:163 Resp: 1297733

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.7	8.3	12.5

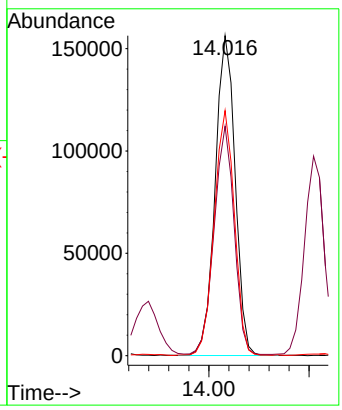




#51
2,6-Dinitrotoluene
Concen: 19.423 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:165 Resp: 21561

Ion	Ratio	Lower	Upper
165	100		
63	71.7	51.5	77.3
89	76.6	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
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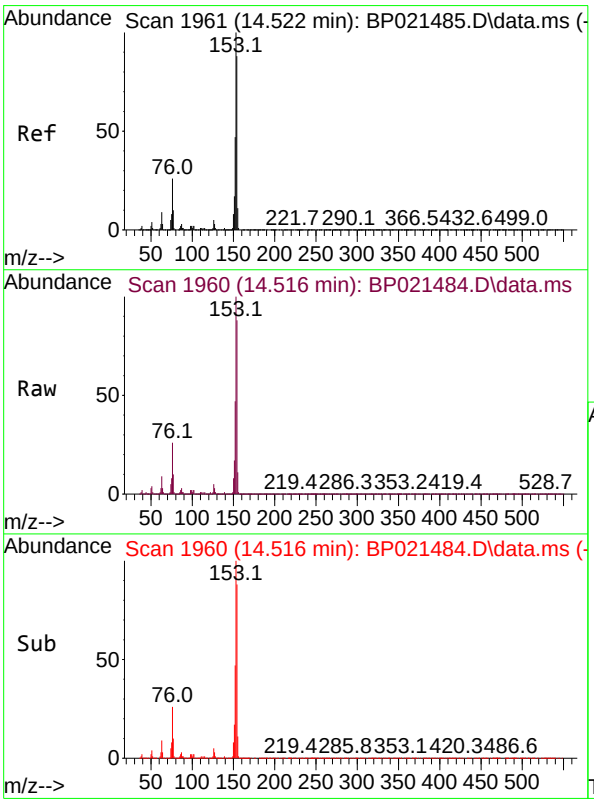
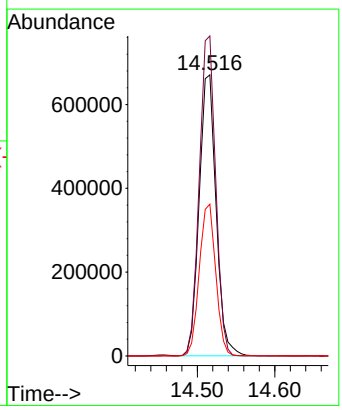
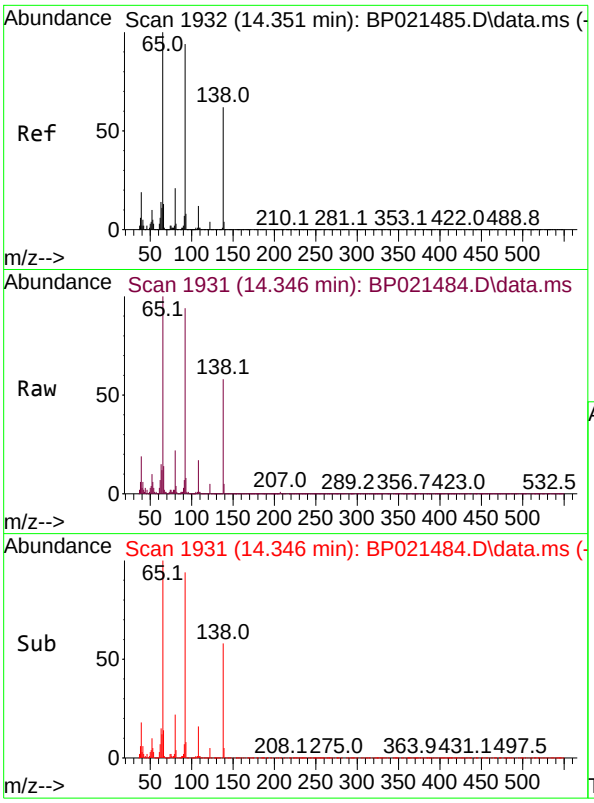


#52
Acenaphthene
Concen: 20.223 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1018510

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	54.0	43.0	64.4





#53
3-Nitroaniline
Concen: 19.232 ng
RT: 14.346 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:138 Resp: 20949

Ion	Ratio	Lower	Upper
138	100		
108	29.2	16.2	24.4#
92	162.2	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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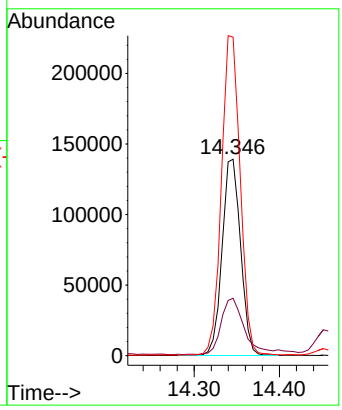
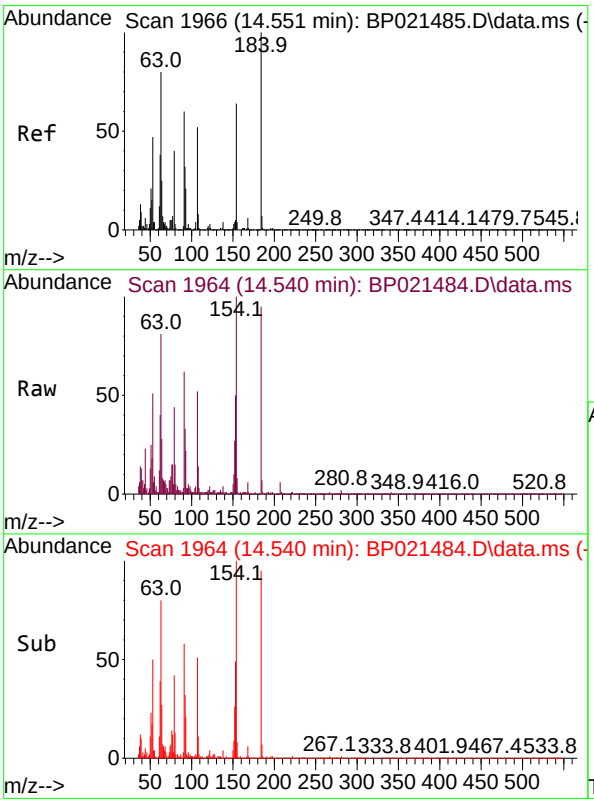
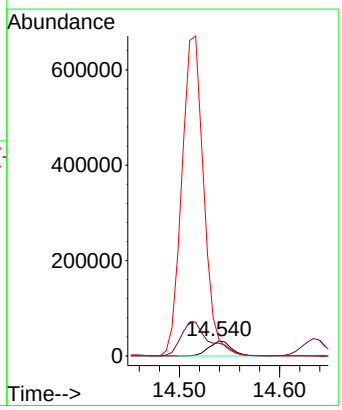


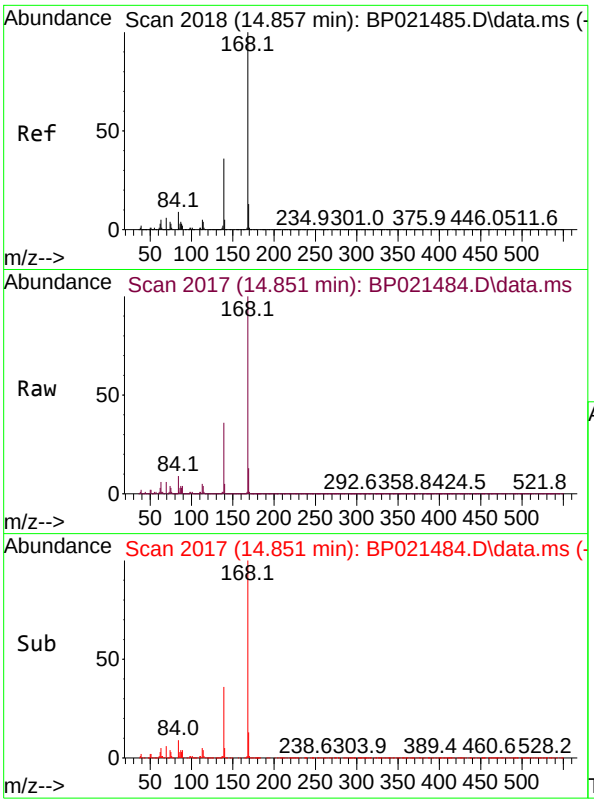


#54
2,4-Dinitrophenol
Concen: 19.714 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 49171

Ion	Ratio	Lower	Upper
184	100		
63	85.8	64.9	97.3
154	105.7	52.1	78.1#

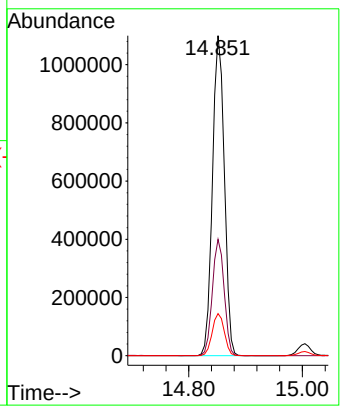




#55
Dibenzofuran
Concen: 20.515 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:168 Resp: 158941

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.1	10.6	16.0



Instrument :
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ClientSampleId :
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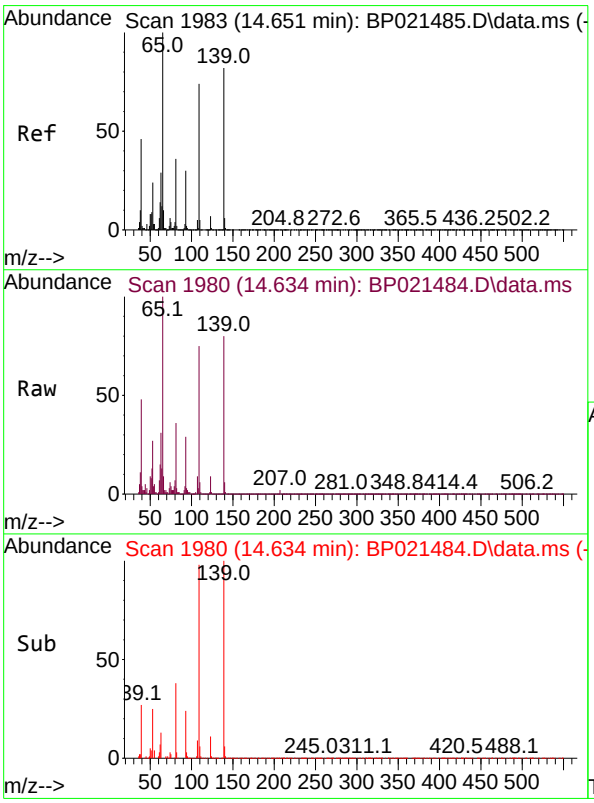
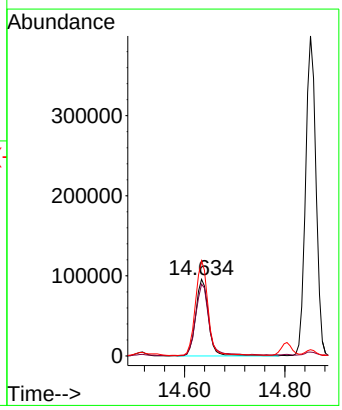
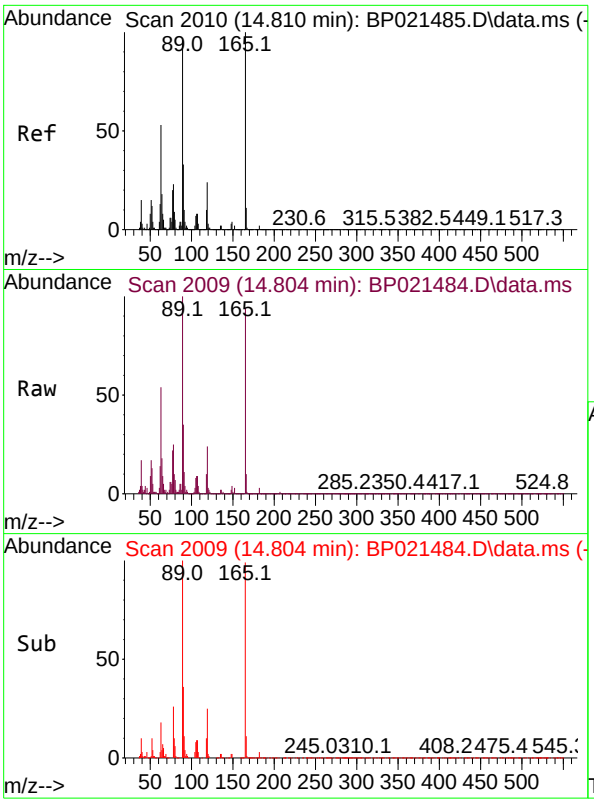


#56
4-Nitrophenol
Concen: 20.016 ng
RT: 14.634 min Scan# 1980
Delta R.T. -0.017 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 167932

Ion	Ratio	Lower	Upper
139	100		
109	93.8	70.2	110.2
65	124.4	101.8	141.8

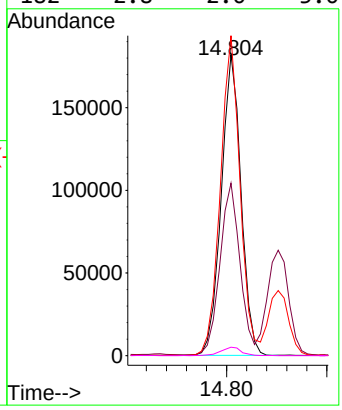




#57
2,4-Dinitrotoluene
Concen: 18.676 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:165 Resp: 24840

Ion	Ratio	Lower	Upper
165	100		
63	57.3	42.5	63.7
89	106.3	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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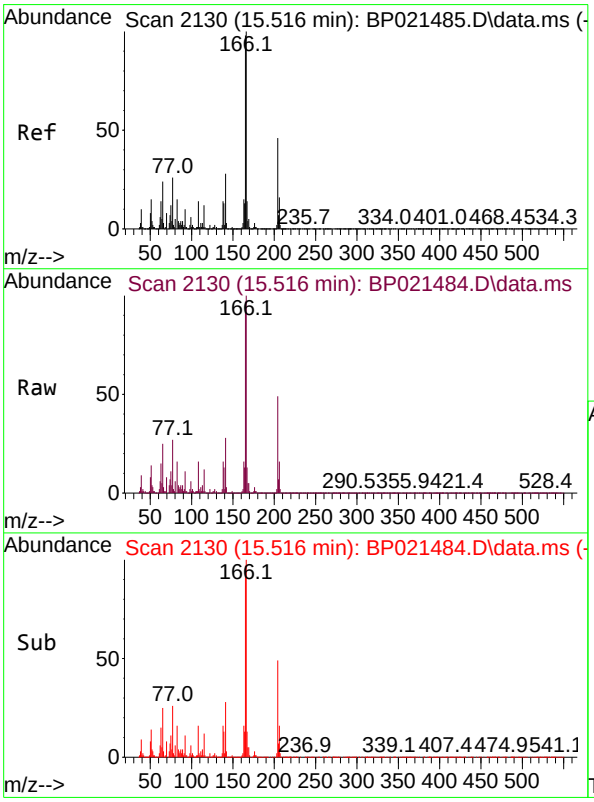
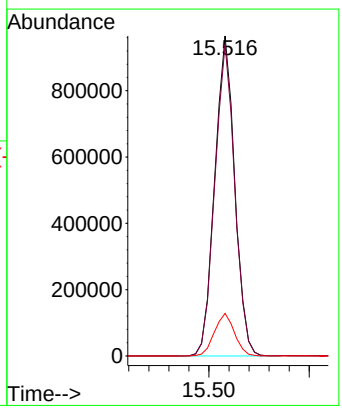
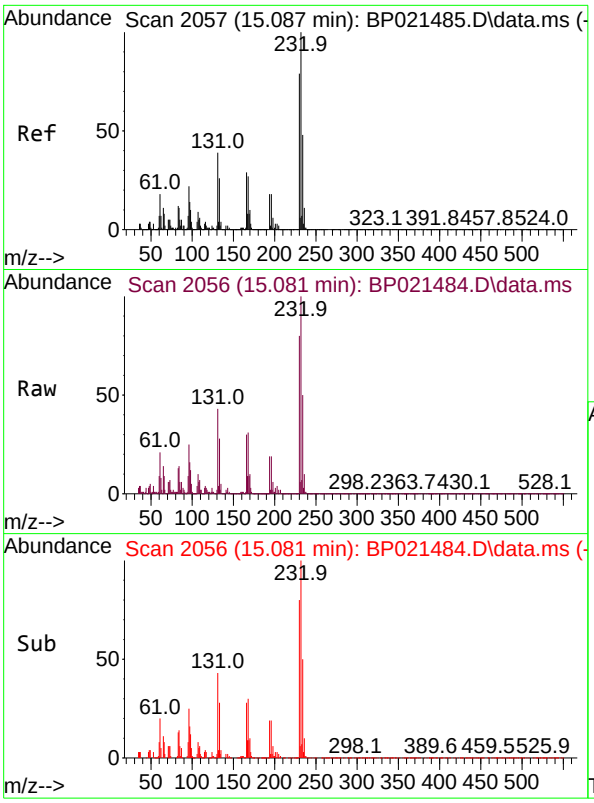


#58
Fluorene
Concen: 20.975 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:166 Resp: 1334998

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.3	11.0	16.4

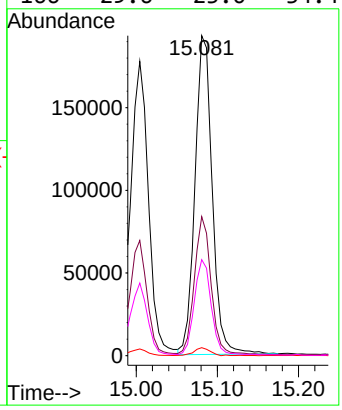




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.679 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:232 Resp: 28632

Ion	Ratio	Lower	Upper
232	100		
131	42.6	33.1	49.7
130	2.3	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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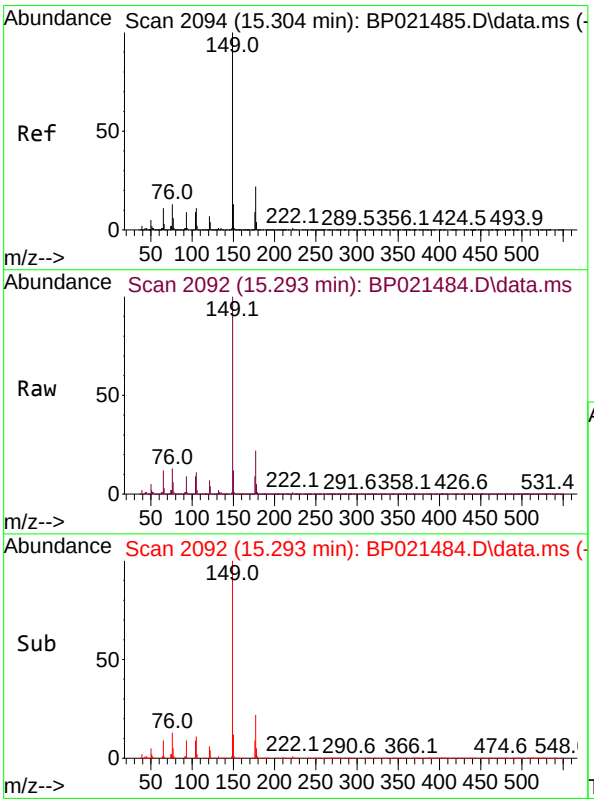
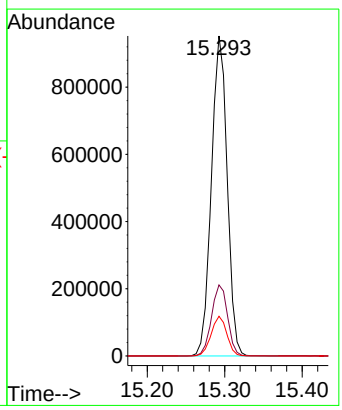
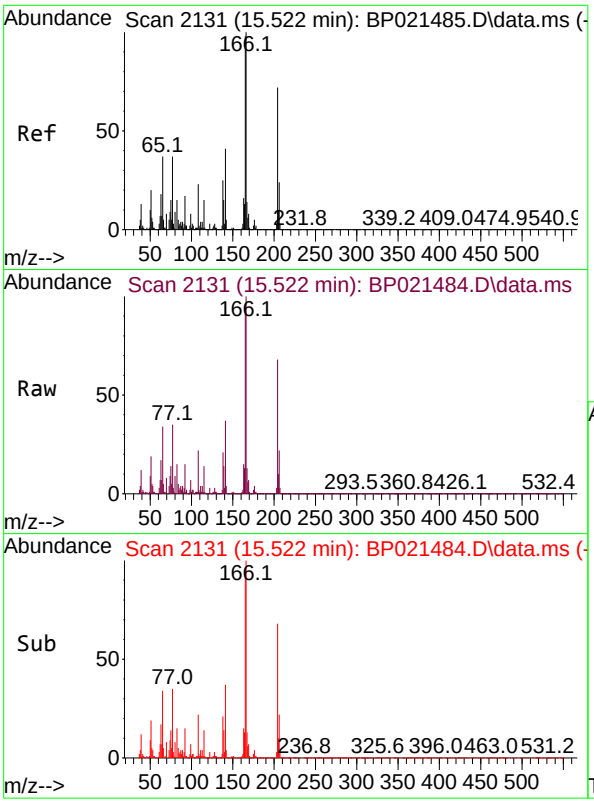


#60
Diethylphthalate
Concen: 20.773 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1353063

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.4	10.1	15.1

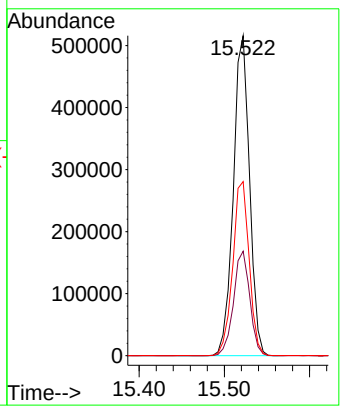




#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:204 Resp: 68098

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	54.4	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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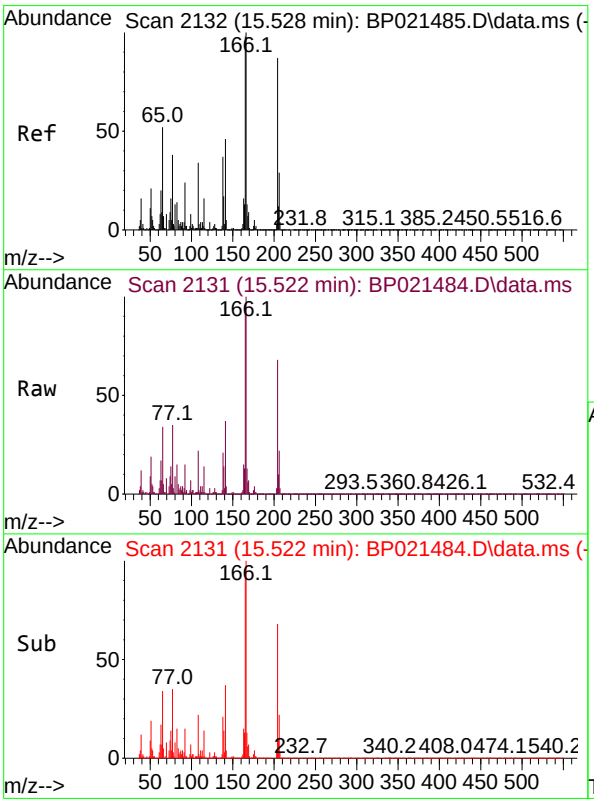
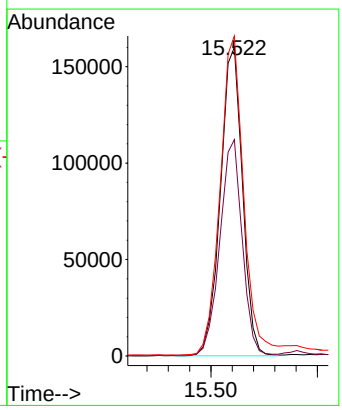
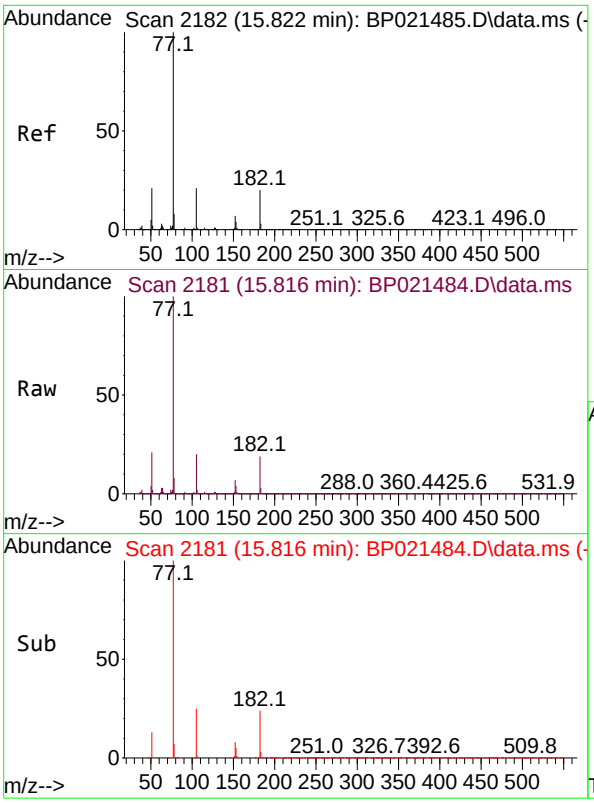


#62
4-Nitroaniline
Concen: 19.603 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:138 Resp: 229769

Ion	Ratio	Lower	Upper
138	100		
92	70.1	46.4	86.4
108	103.7	73.2	113.2





#63
Azobenzene
Concen: 21.052 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 168560

Ion	Ratio	Lower	Upper
77	100		
182	19.3	0.0	39.9
105	20.3	0.9	40.9
51	21.2	1.4	41.4

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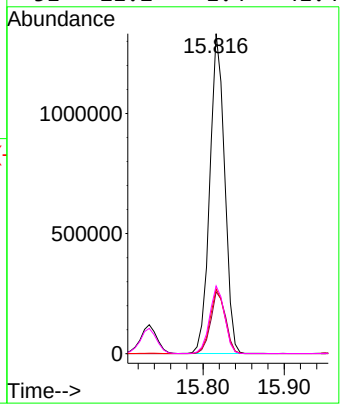
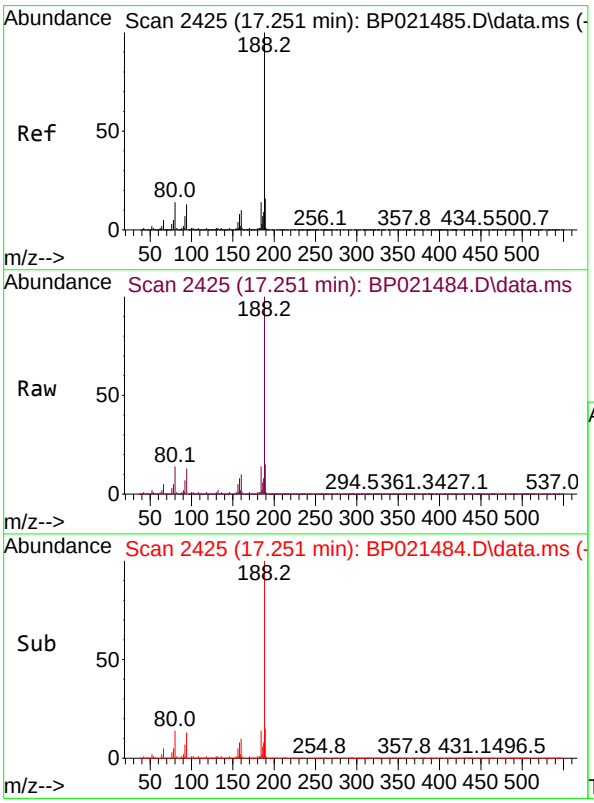
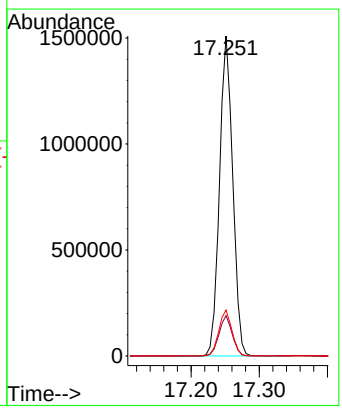


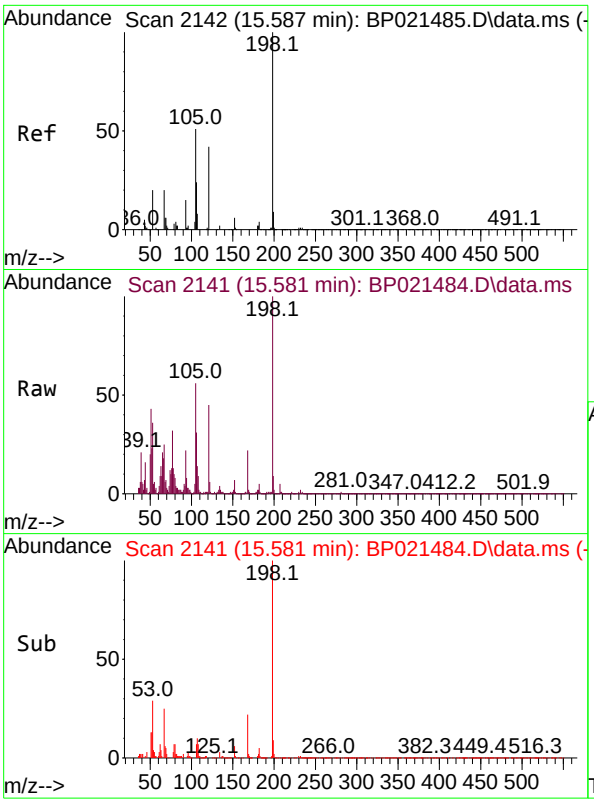


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:188 Resp: 2036378

Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.2	15.4
80	14.4	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 19.364 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:198 Resp: 7939

Ion	Ratio	Lower	Upper
198	100		
51	43.0	21.5	61.5
105	56.2	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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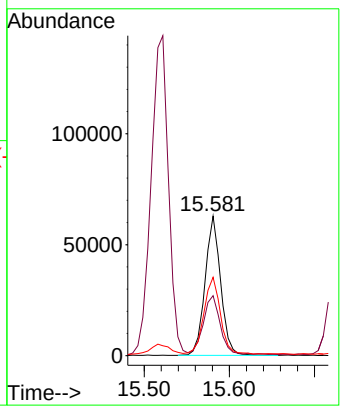
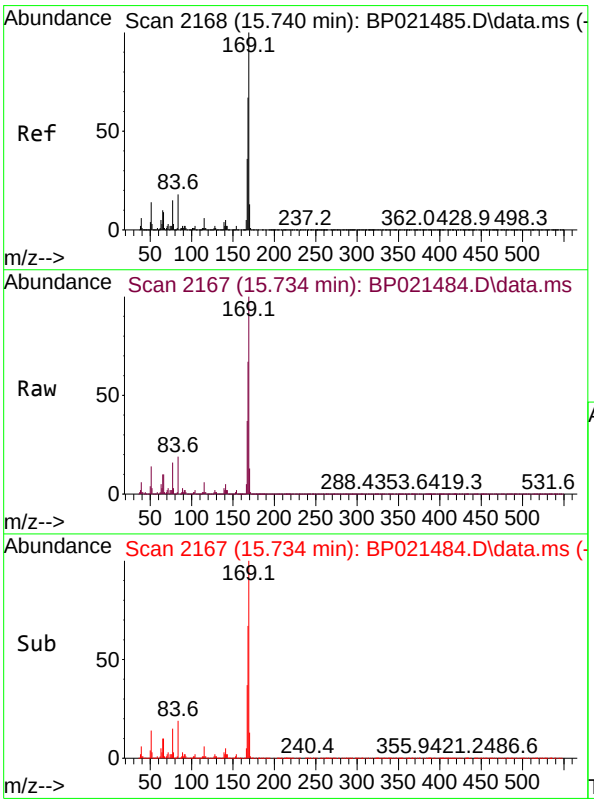
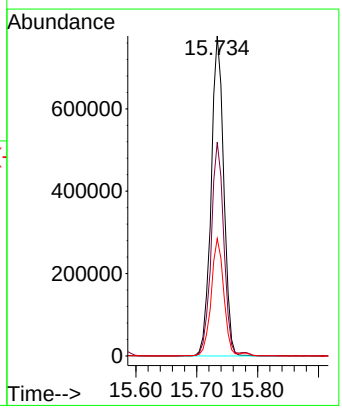


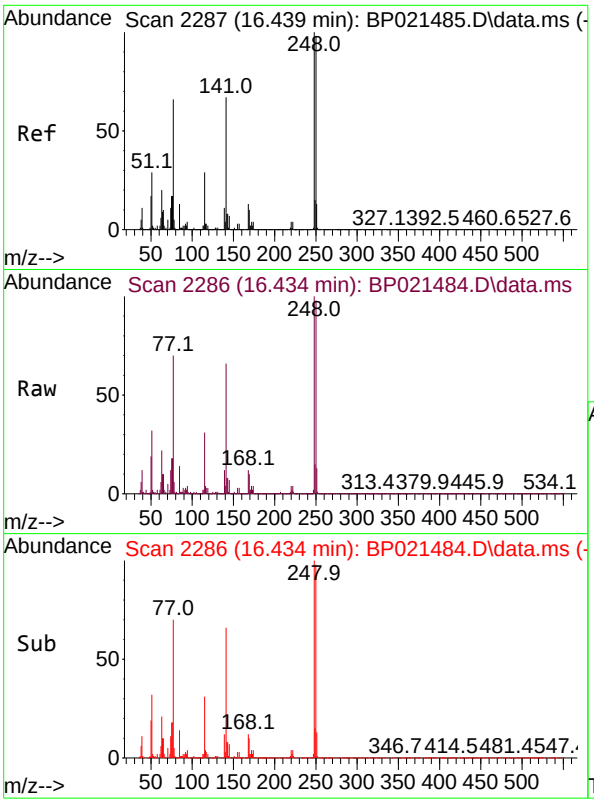


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:169 Resp: 1118083

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 20.052 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:248 Resp: 43216

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	66.3	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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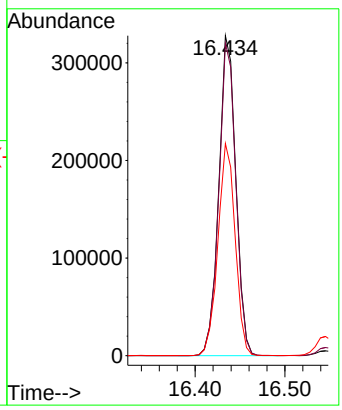
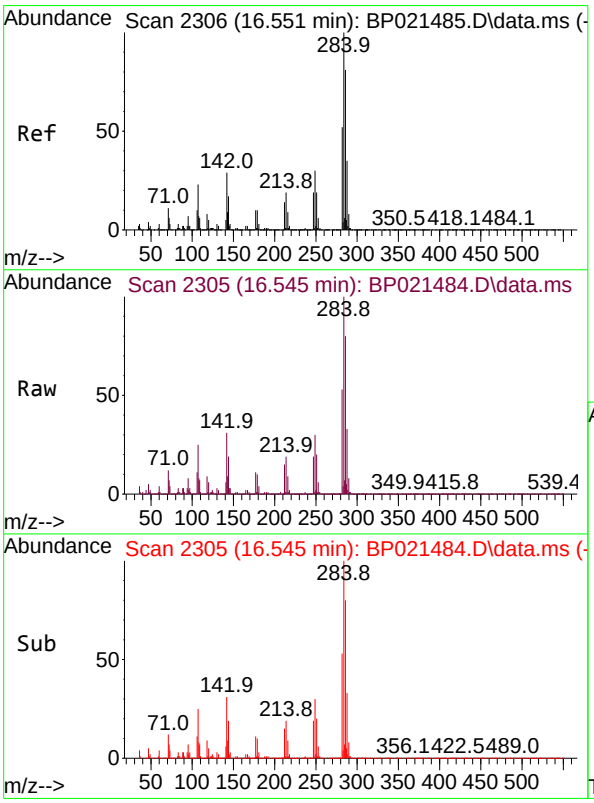
Supervised By :mohammad ahmed 08/14/2024

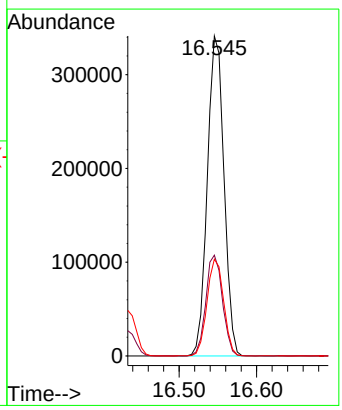


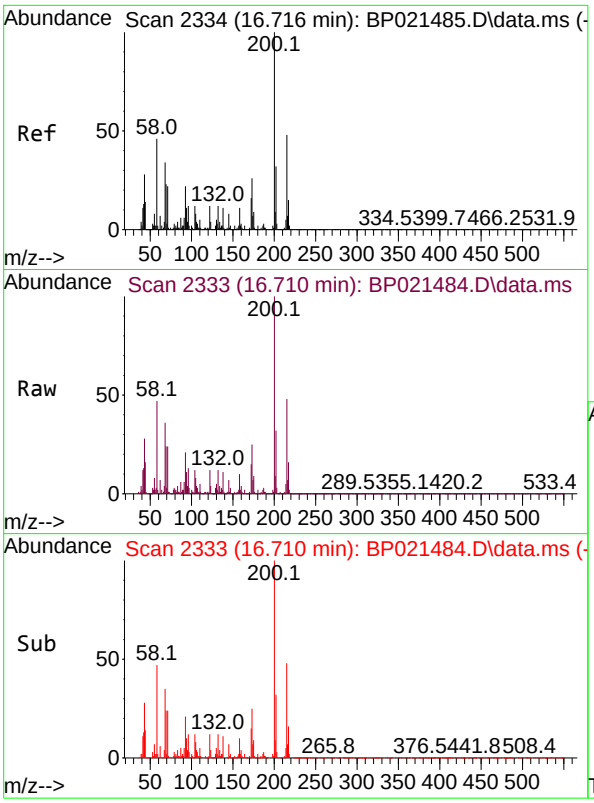


#68
Hexachlorobenzene
Concen: 20.002 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:284 Resp: 509441

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.3	24.1	36.1

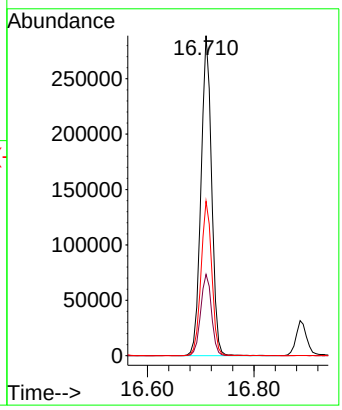




#69
Atrazine
Concen: 21.266 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:200 Resp: 39844

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.2	46.2
215	48.3	28.4	68.4



Instrument :
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ClientSampleId :
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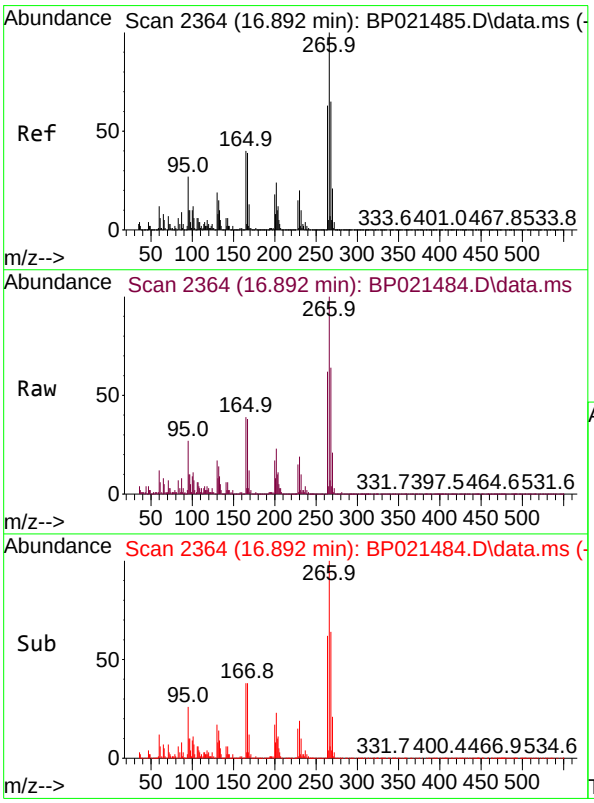
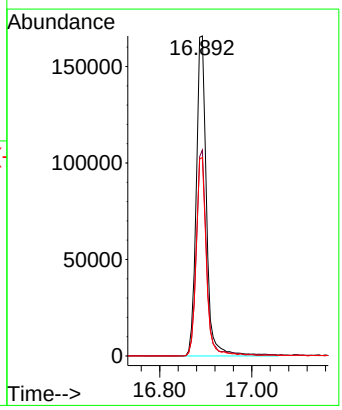
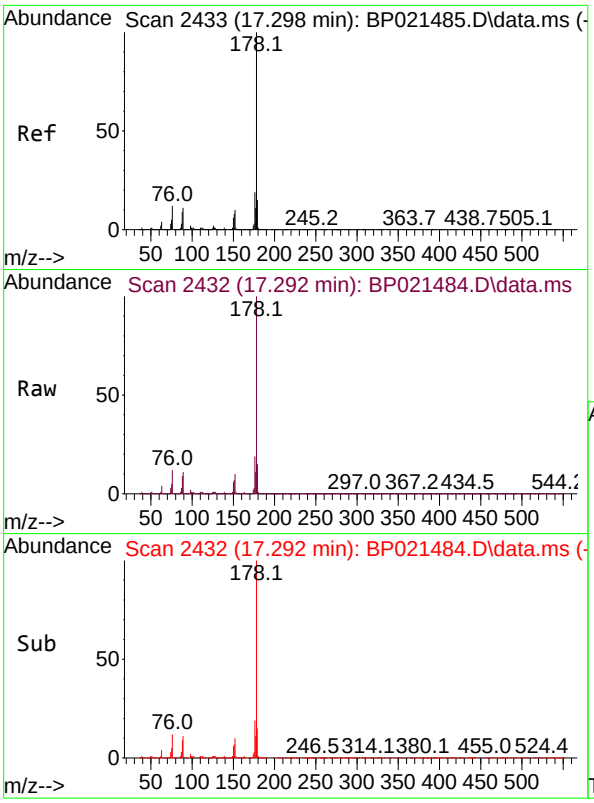


#70
Pentachlorophenol
Concen: 18.381 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:266 Resp: 255526

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.8	77.6
264	62.0	50.5	75.7

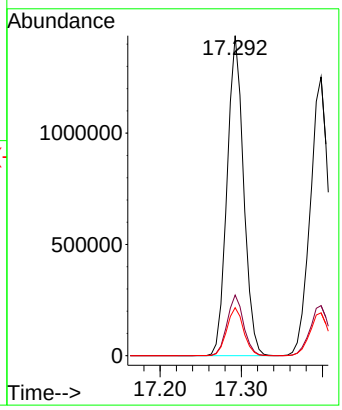




#71
Phenanthrene
Concen: 20.760 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 203307

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.0	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
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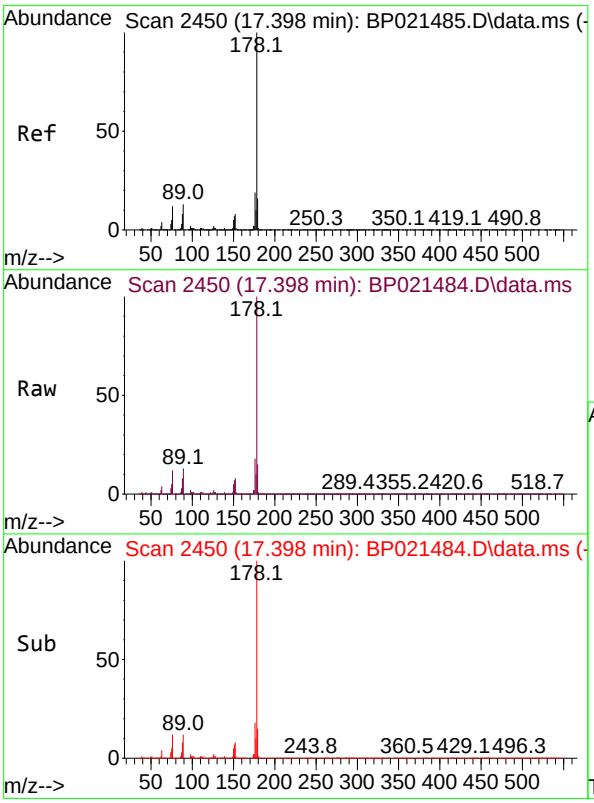
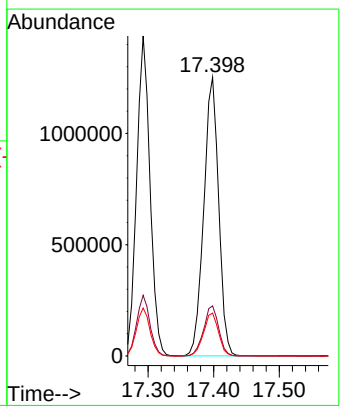
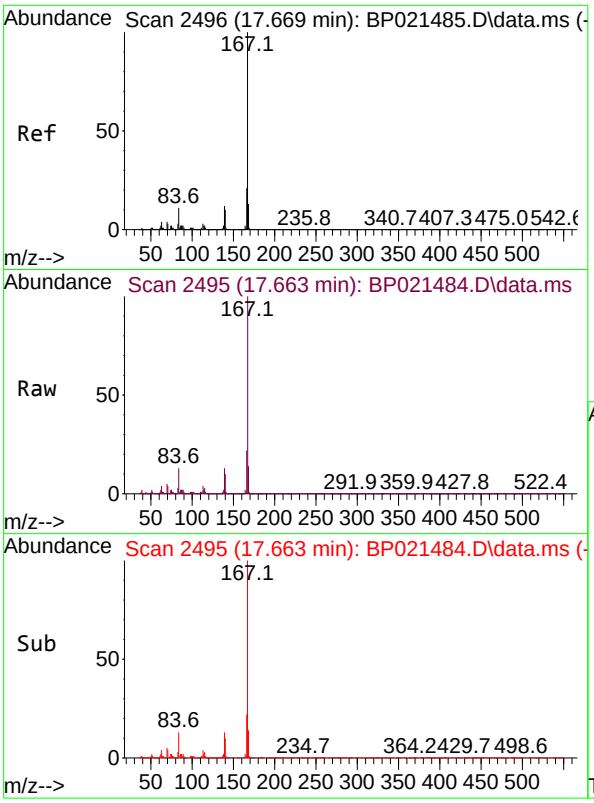


#72
Anthracene
Concen: 20.574 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 1976030

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.4	12.5	18.7

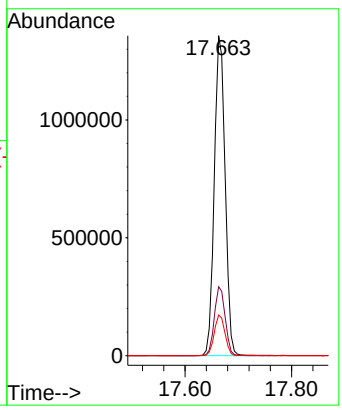




#73
Carbazole
Concen: 20.709 ng
RT: 17.663 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:167 Resp: 191683

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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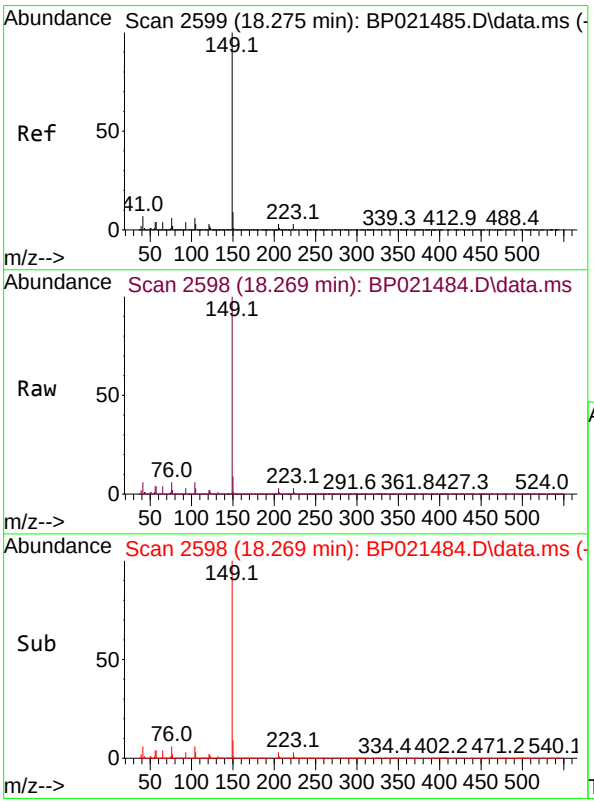
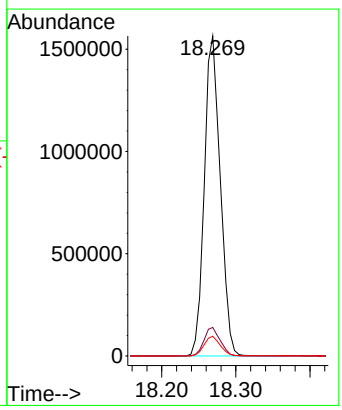
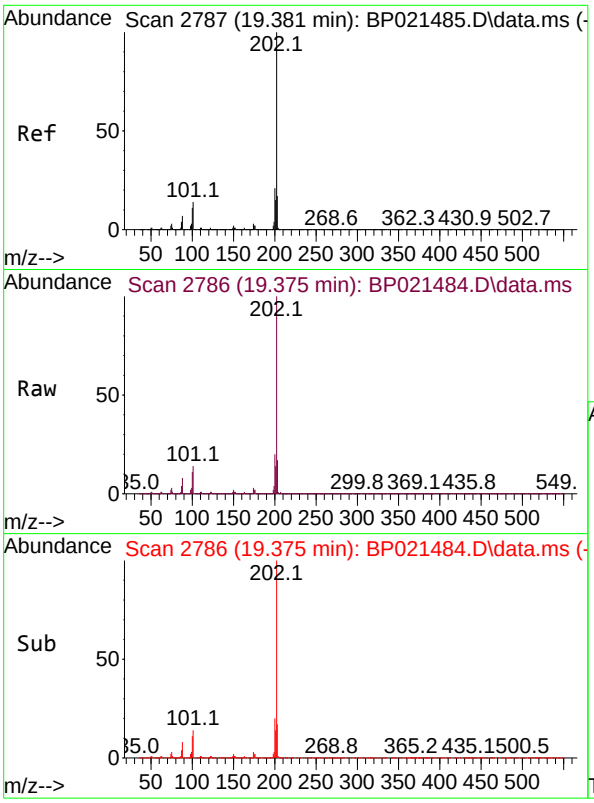


#74
Di-n-butylphthalate
Concen: 20.587 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 2340289

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.1	4.9	7.3

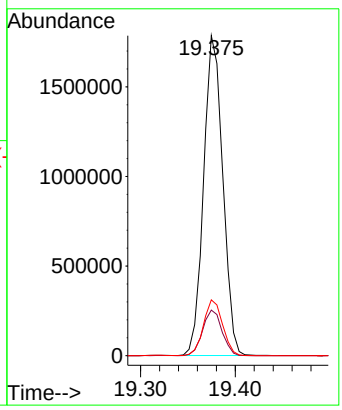




#75
Fluoranthene
Concen: 20.902 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:202 Resp: 251168

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.0
203	17.4	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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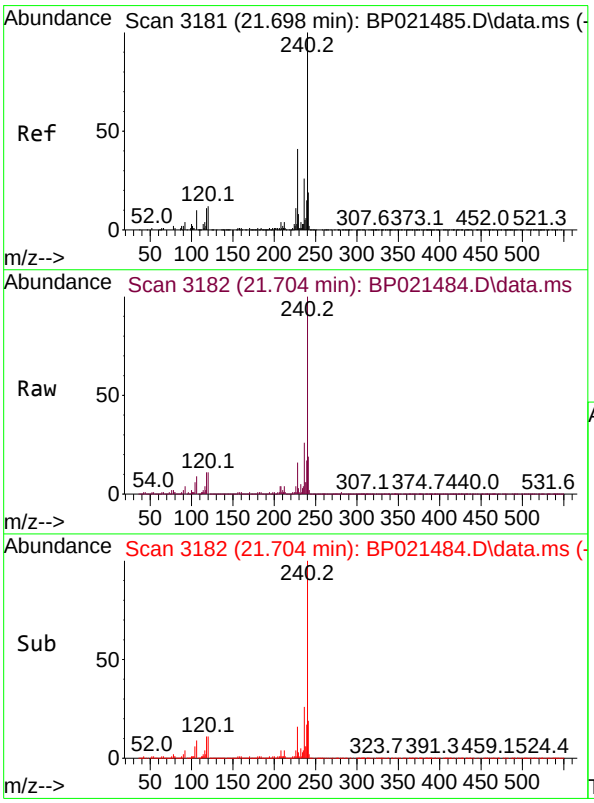
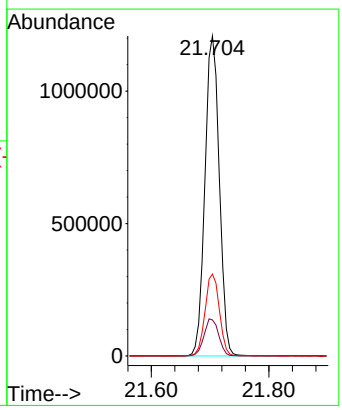
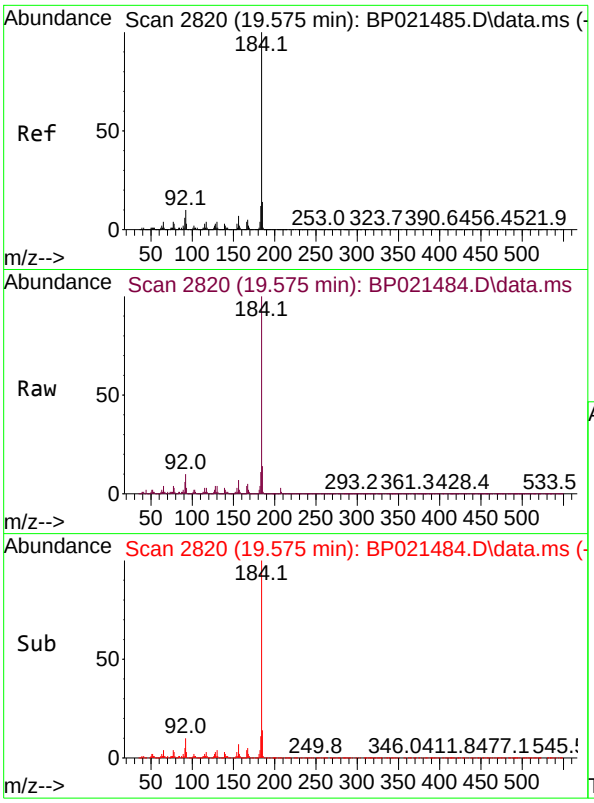


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:240 Resp: 2051361

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	25.6	20.6	30.8

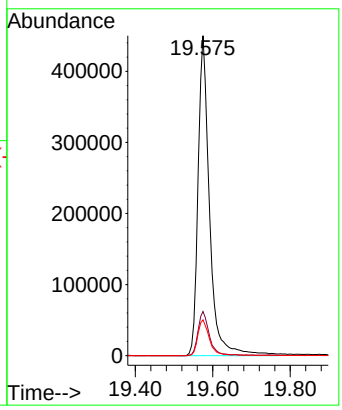




#77
Benzidine
Concen: 20.258 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 92419

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.0
183	11.2	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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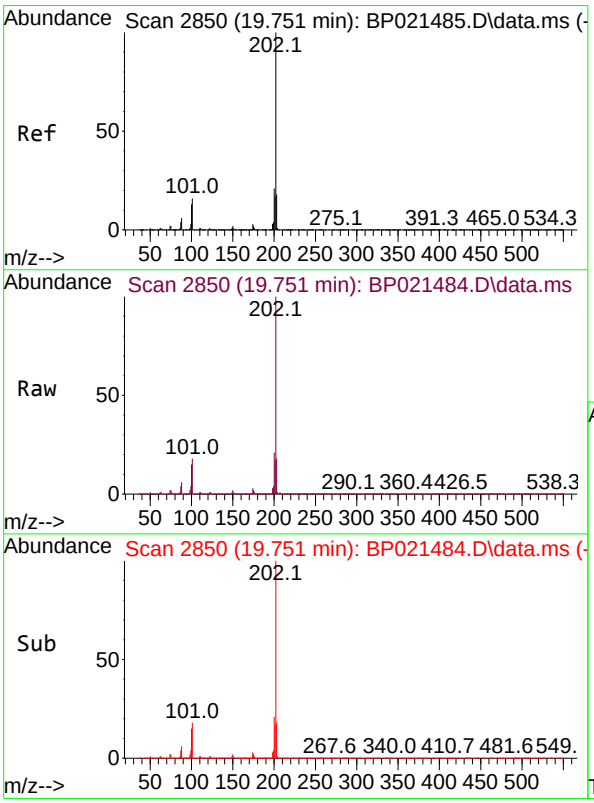
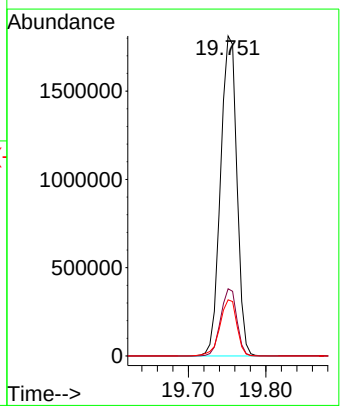
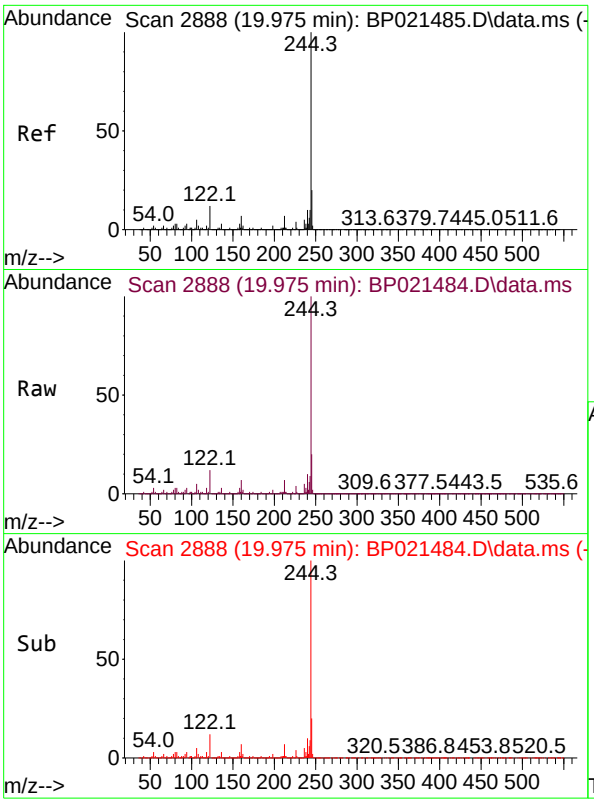


#78
Pyrene
Concen: 19.814 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:202 Resp: 2656705

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1

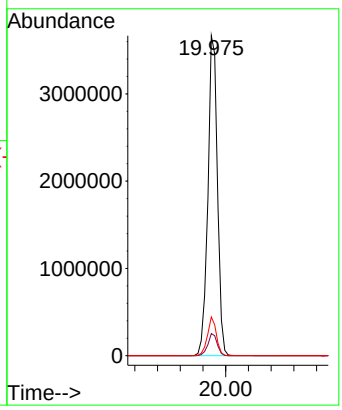




#79
Terphenyl-d14
Concen: 40.160 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:244 Resp: 424055

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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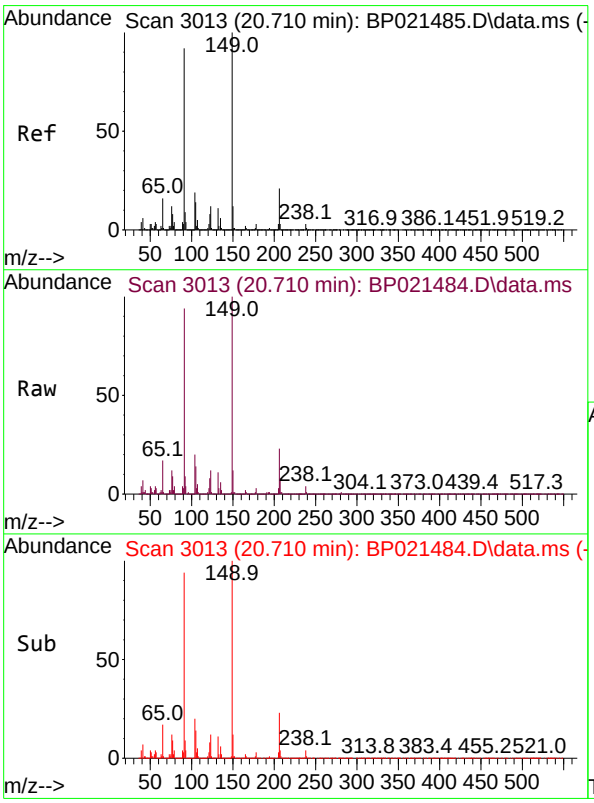
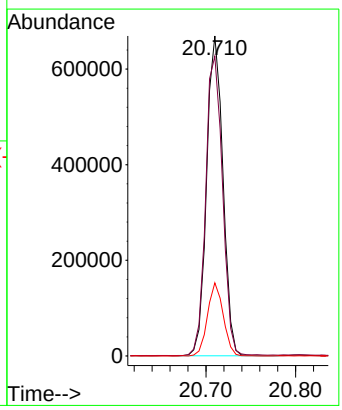
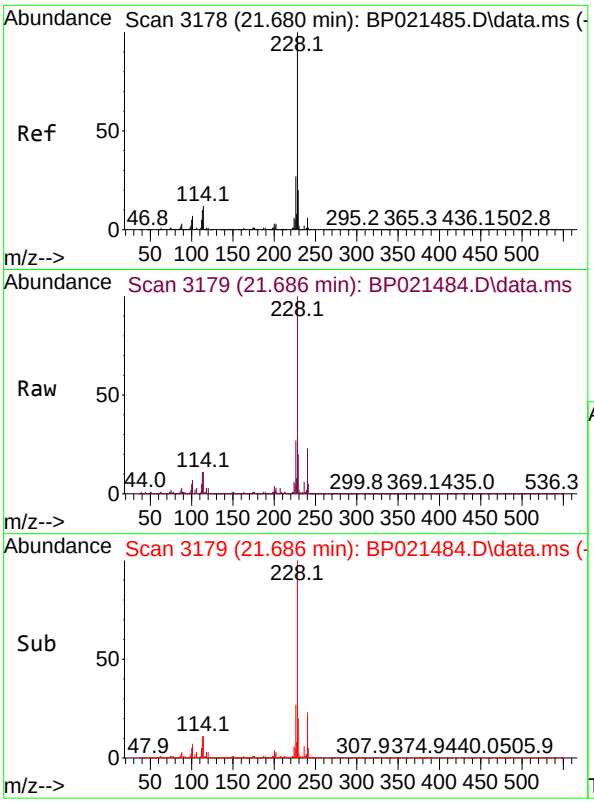


#80
Butylbenzylphthalate
Concen: 18.934 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 843482

Ion	Ratio	Lower	Upper
149	100		
91	93.7	73.3	109.9
206	22.9	17.1	25.7

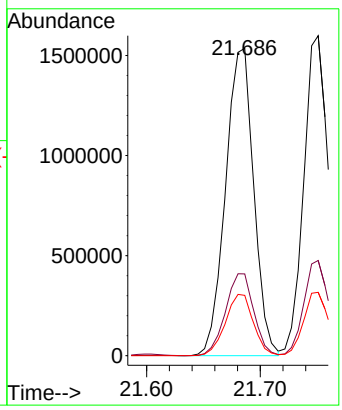




#81
Benzo(a)anthracene
Concen: 20.566 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 264847

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.6	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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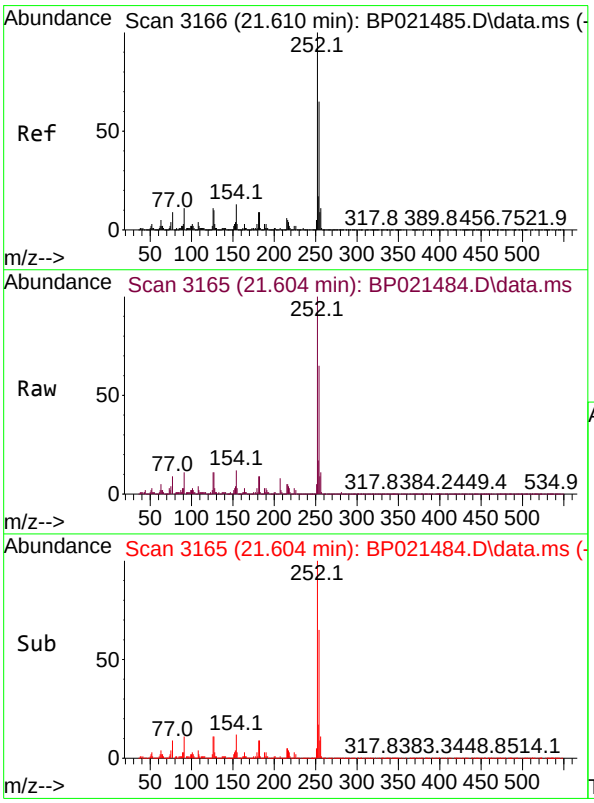
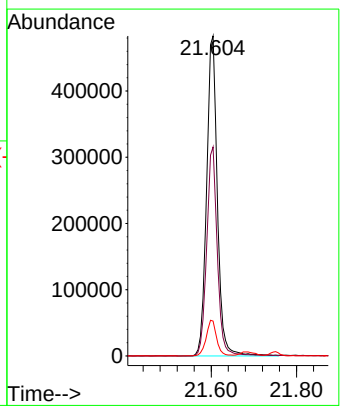
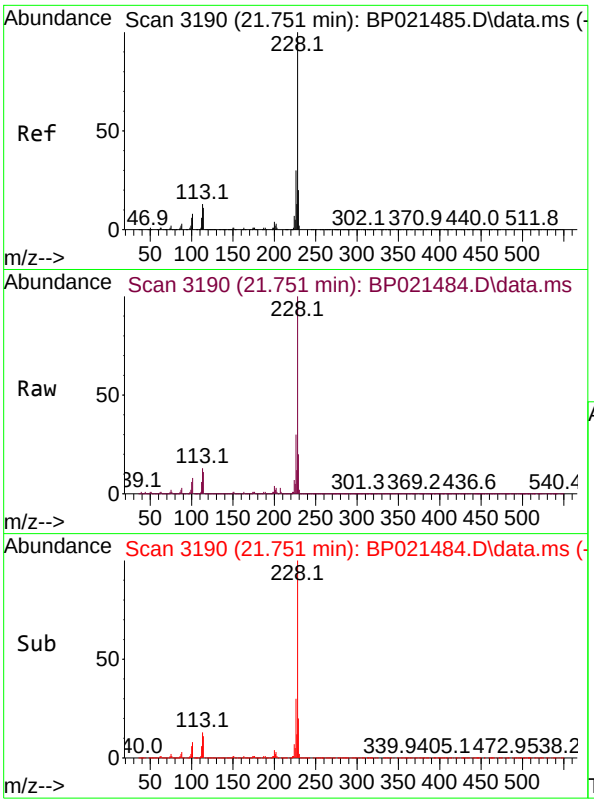


#82
3,3'-Dichlorobenzidine
Concen: 20.526 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 847490

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	10.9	8.7	13.1

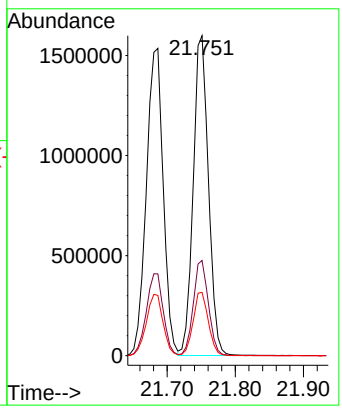




#83
Chrysene
Concen: 20.336 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 247252

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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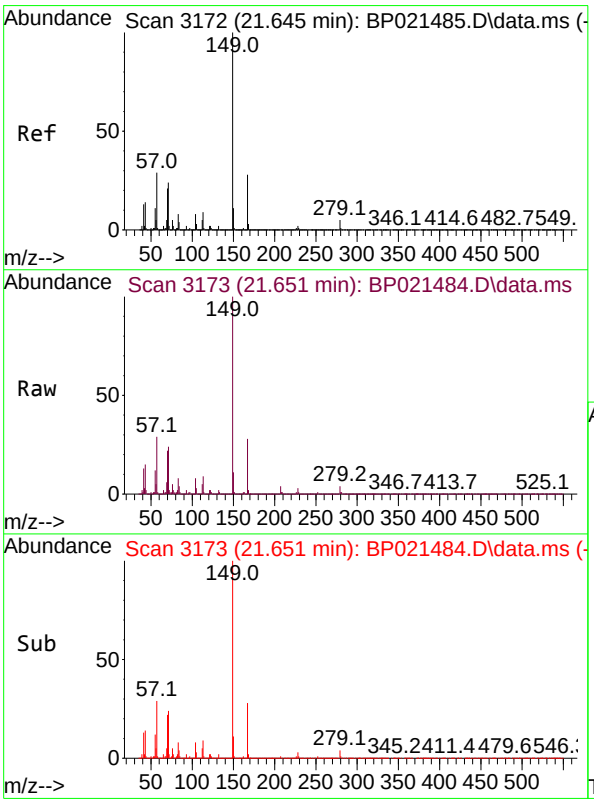
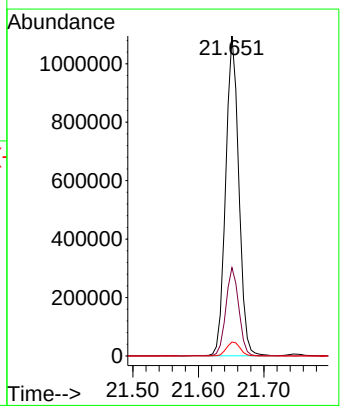
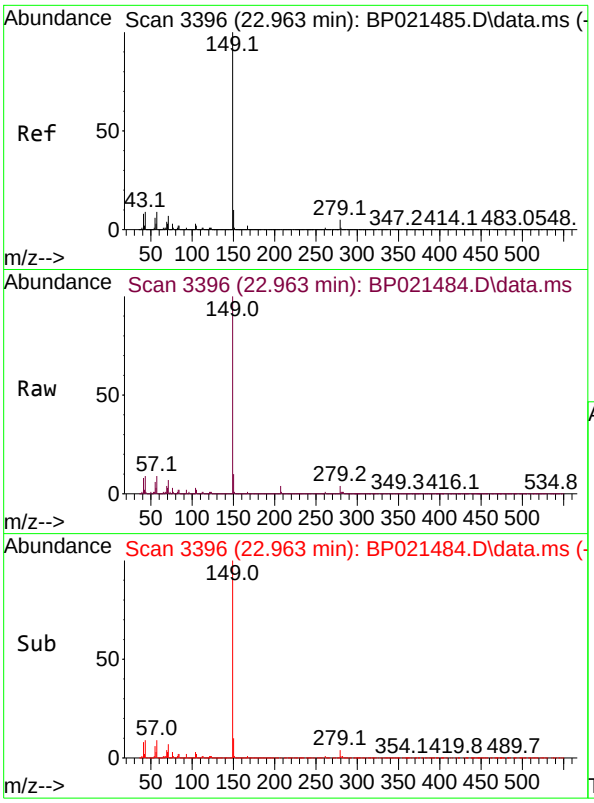


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.981 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1520788

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	4.3	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 20.217 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

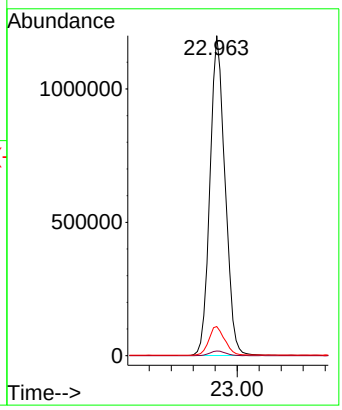
Tgt Ion:149 Resp: 228682

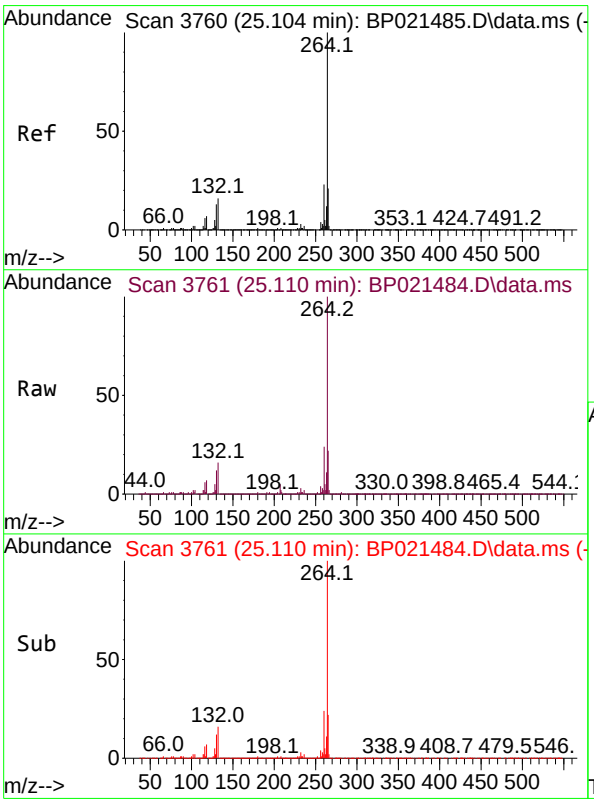
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

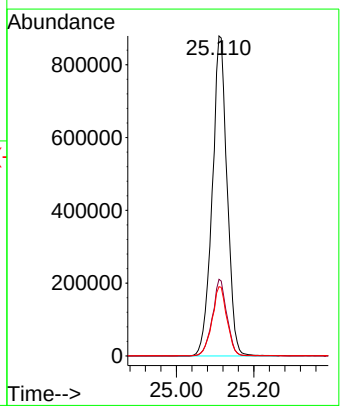


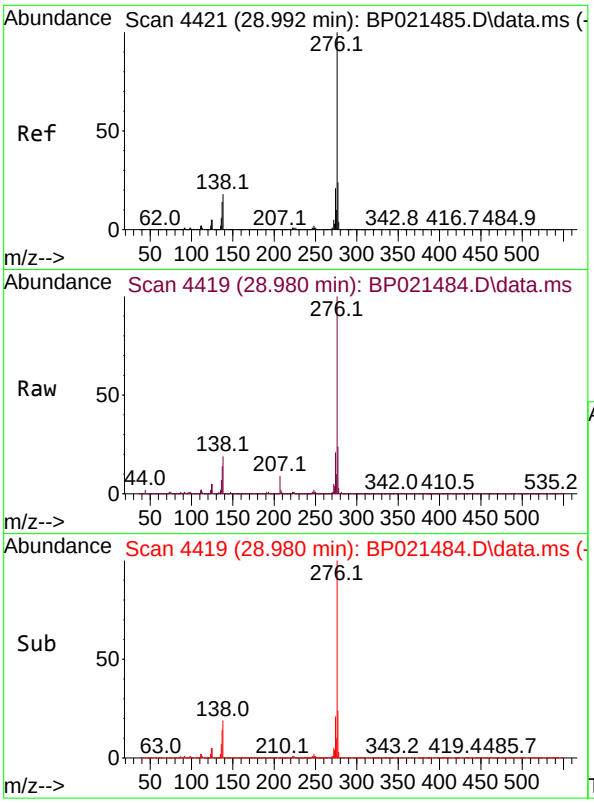


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:264 Resp: 2332049

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.7	17.1	25.7

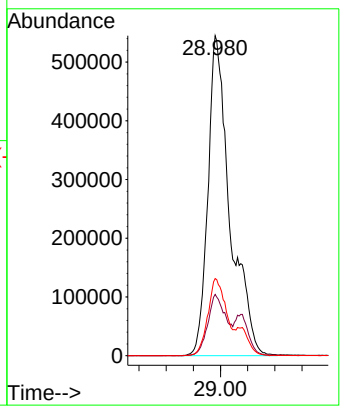




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.320 ng m
RT: 28.980 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 307137

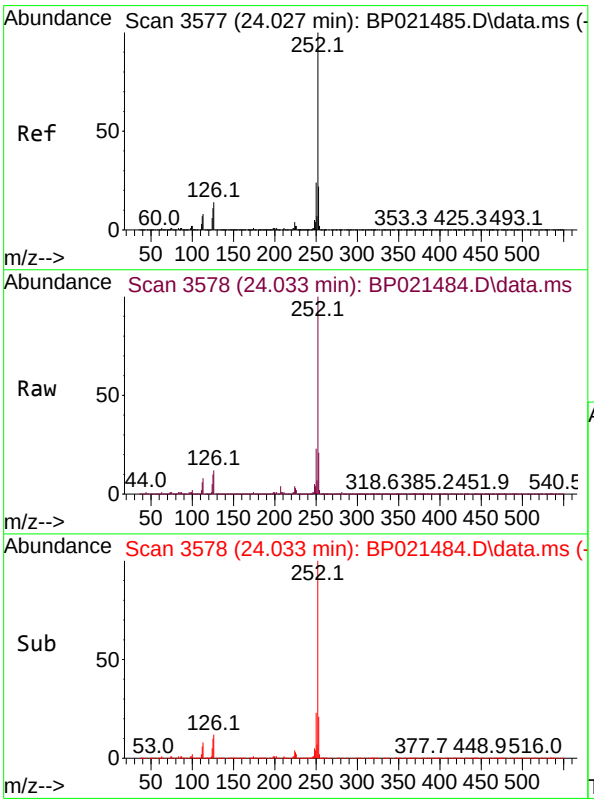
Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.8	19.2
277	20.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

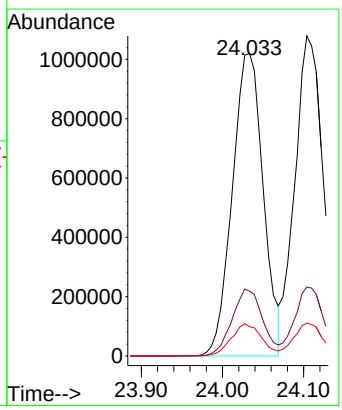
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

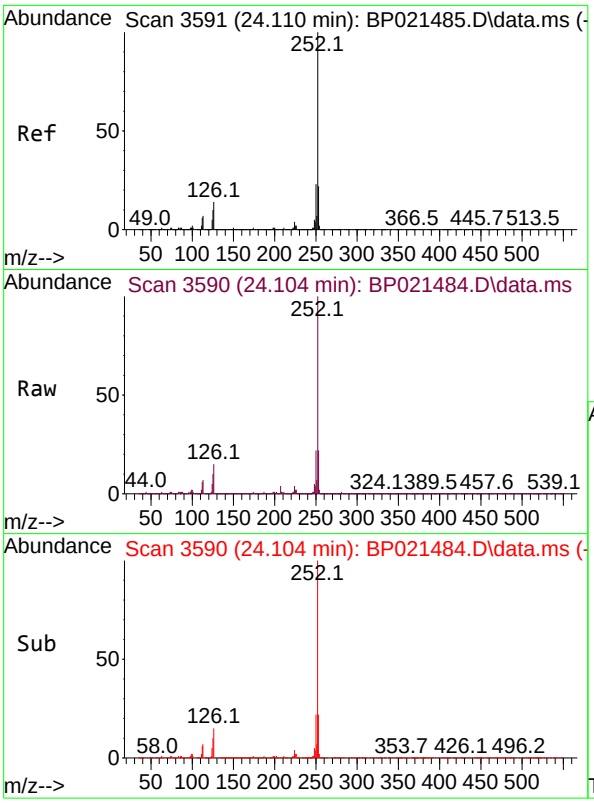


#88
Benzo(b)fluoranthene
Concen: 20.161 ng
RT: 24.033 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2700298

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	9.7	8.6	13.0

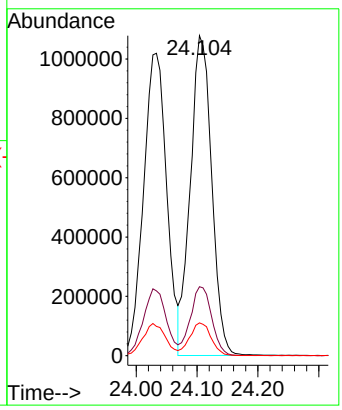




#89
Benzo(k)fluoranthene
Concen: 20.059 ng
RT: 24.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 262083

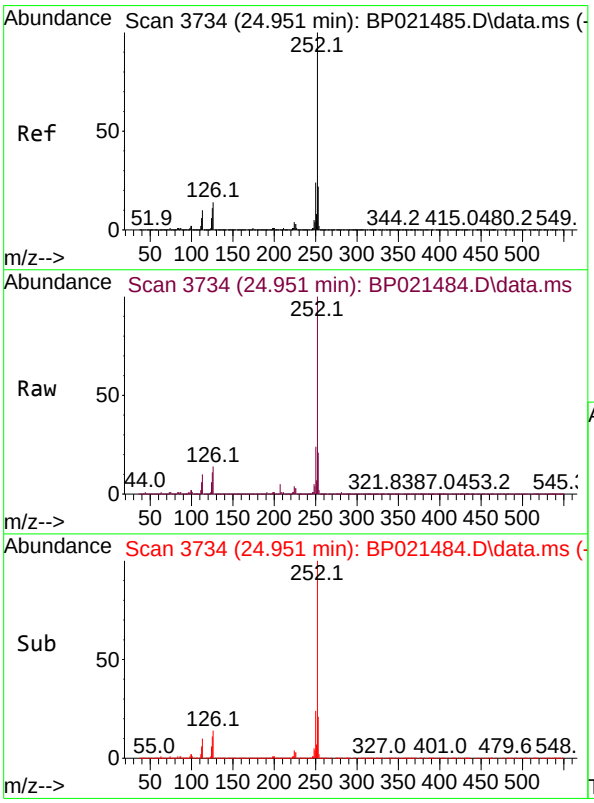
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.2	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

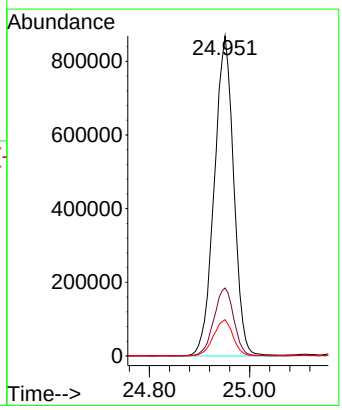
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

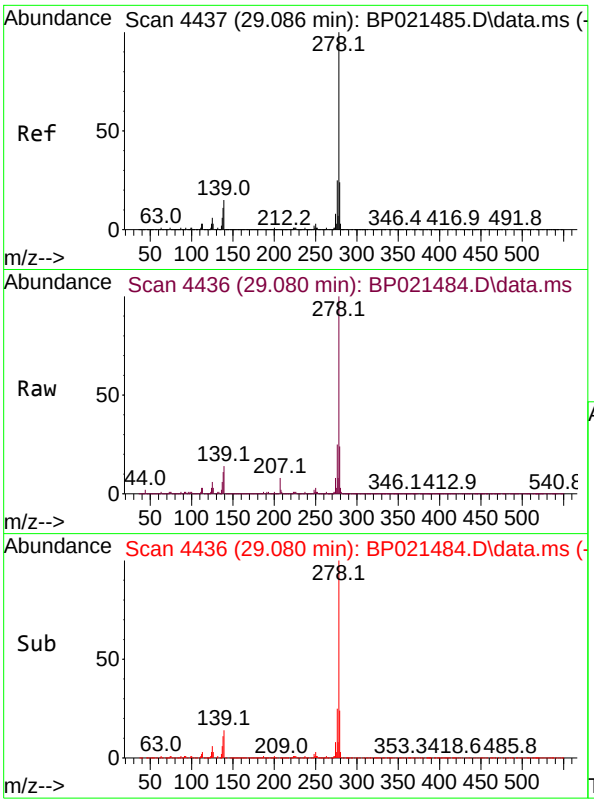


#90
Benzo(a)pyrene
Concen: 20.127 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2339364

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	11.3	8.7	13.1

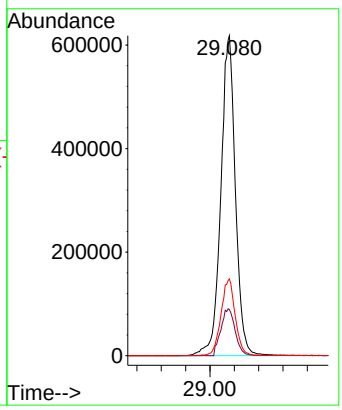




#91
Dibenzo(a,h)anthracene
Concen: 20.539 ng
RT: 29.080 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:278 Resp: 257976

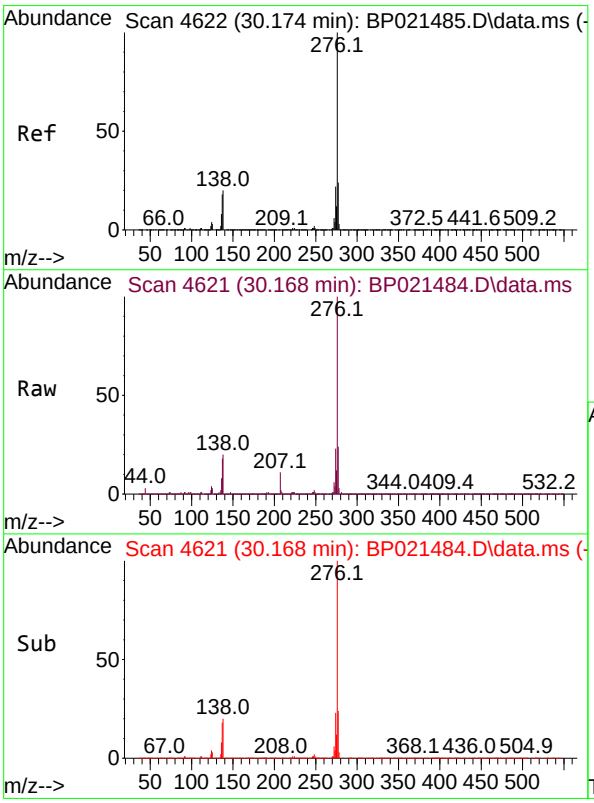
Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

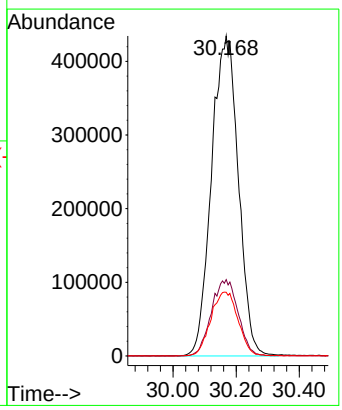
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 20.300 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 2555517

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	19.9	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	334672	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1379126	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	890240	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1905279	20.000	ng	0.00
76) Chrysene-d12	21.698	240	1820074	20.000	ng	0.00
86) Perylene-d12	25.104	264	2085332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1804372	80.056	ng	0.00
7) Phenol-d6	6.964	99	2647910	80.535	ng	0.00
23) Nitrobenzene-d5	8.952	82	2262476	84.675	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	840745	84.855	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	4724987	81.001	ng	0.00
79) Terphenyl-d14	19.975	244	7322059	78.155	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	429612	40.199	ng	100
3) Pyridine	3.705	79	1205871m	40.419	ng	
4) n-Nitrosodimethylamine	3.617	42	356290	39.732	ng	100
6) Aniline	7.134	93	1324158	40.285	ng	100
8) 2-Chlorophenol	7.375	128	836602	40.166	ng	100
9) Benzaldehyde	6.946	77	801968	38.095	ng	100
10) Phenol	6.987	94	1368534	40.195	ng	100
11) bis(2-Chloroethyl)ether	7.228	93	1139337	39.547	ng	100
12) 1,3-Dichlorobenzene	7.699	146	972133	39.292	ng	100
13) 1,4-Dichlorobenzene	7.840	146	987045	39.509	ng	100
14) 1,2-Dichlorobenzene	8.158	146	943886	39.206	ng	100
15) Benzyl Alcohol	8.034	79	947378	40.158	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1035140	39.016	ng	100
17) 2-Methylphenol	8.234	107	863176	40.102	ng	100
18) Hexachloroethane	8.893	117	397406	39.668	ng	100
19) n-Nitroso-di-n-propyla...	8.605	70	897052	39.497	ng	100
20) 3+4-Methylphenols	8.558	107	1176757	40.546	ng	100
22) Acetophenone	8.616	105	1688225	39.846	ng	100
24) Nitrobenzene	8.993	77	1221296	42.085	ng	100
25) Isophorone	9.522	82	2519531	39.915	ng	100
26) 2-Nitrophenol	9.699	139	259209	39.575	ng	100
27) 2,4-Dimethylphenol	9.758	122	621559	39.900	ng	100
28) bis(2-Chloroethoxy)met...	10.005	93	1515653	39.336	ng	100
29) 2,4-Dichlorophenol	10.240	162	751870	40.849	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	938177	39.757	ng	100
31) Naphthalene	10.646	128	2870666	39.845	ng	100
32) Benzoic acid	9.875	122	356582	38.509	ng	100
33) 4-Chloroaniline	10.740	127	1090714	40.303	ng	100
34) Hexachlorobutadiene	10.940	225	594148	39.989	ng	100
35) Caprolactam	11.499	113	314109	41.005	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	1055054	41.323	ng	100
37) 2-Methylnaphthalene	12.263	142	1944719	39.550	ng	100
38) 1-Methylnaphthalene	12.481	142	1921454	39.621	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1058707	40.588	ng	100
41) Hexachlorocyclopentadiene	12.622	237	341369	41.293	ng	100
43) 2,4,6-Trichlorophenol	12.869	196	610003	42.100	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	680956	42.300	ng	100
46) 1,1'-Biphenyl	13.281	154	2542708	40.370	ng	100
47) 2-Chloronaphthalene	13.316	162	1987834	40.538	ng	100
48) 2-Nitroaniline	13.504	65	506883	38.074	ng	100
49) Acenaphthylene	14.169	152	2928814	40.630	ng	100
50) Dimethylphthalate	13.910	163	2408078	40.392	ng	100
51) 2,6-Dinitrotoluene	14.022	165	454687	38.650	ng	100
52) Acenaphthene	14.522	154	1911119	40.406	ng	100
53) 3-Nitroaniline	14.351	138	452937	39.107	ng	100
54) 2,4-Dinitrophenol	14.551	184	116797	38.943	ng	100
55) Dibenzofuran	14.857	168	2936517	40.359	ng	100
56) 4-Nitrophenol	14.651	139	358912	39.073	ng	100
57) 2,4-Dinitrotoluene	14.810	165	570222	38.397	ng	100
58) Fluorene	15.516	166	2410461	40.326	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.087	232	584357	42.766	ng	100
60) Diethylphthalate	15.304	149	2486968	40.656	ng	100
61) 4-Chlorophenyl-phenyle...	15.522	204	1236572	40.022	ng	100
62) 4-Nitroaniline	15.528	138	485672	40.451	ng	100
63) Azobenzene	15.822	77	3052445	40.594	ng	100
65) 4,6-Dinitro-2-methylph...	15.587	198	199156	38.603	ng	100
66) n-Nitrosodiphenylamine	15.740	169	2051265	40.175	ng	100
67) 4-Bromophenyl-phenylether	16.439	248	790673	39.211	ng	100
68) Hexachlorobenzene	16.551	284	958921	40.240	ng	100
69) Atrazine	16.716	200	726072	41.419	ng	100
70) Pentachlorophenol	16.892	266	520400	40.011	ng	100
71) Phenanthrene	17.298	178	3678868	40.150	ng	100
72) Anthracene	17.398	178	3619950	40.283	ng	100
73) Carbazole	17.669	167	3543089	40.912	ng	100
74) Di-n-butylphthalate	18.275	149	4378720	41.170	ng	100
75) Fluoranthene	19.381	202	4572881	40.674	ng	100
77) Benzidine	19.575	184	1735103	41.023	ng	100
78) Pyrene	19.751	202	4694393	39.461	ng	100
80) Butylbenzylphthalate	20.710	149	1712106	38.676	ng	100
81) Benzo(a)anthracene	21.680	228	4615389	40.395	ng	100
82) 3,3'-Dichlorobenzidine	21.610	252	1559563	42.572	ng	100
83) Chrysene	21.751	228	4358695	40.405	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	2841806	42.082	ng	100
85) Di-n-octyl phthalate	22.963	149	4538217	39.238	ng	100
87) Indeno(1,2,3-cd)pyrene	28.992	276	5533549m	40.941	ng	
88) Benzo(b)fluoranthene	24.027	252	4815875	40.211	ng	100
89) Benzo(k)fluoranthene	24.110	252	4757000	40.717	ng	100
90) Benzo(a)pyrene	24.951	252	4221348	40.616	ng	100
91) Dibenzo(a,h)anthracene	29.086	278	4594554	40.908	ng	100
92) Benzo(g,h,i)perylene	30.174	276	4595577	40.824	ng	100

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

ICAL Form

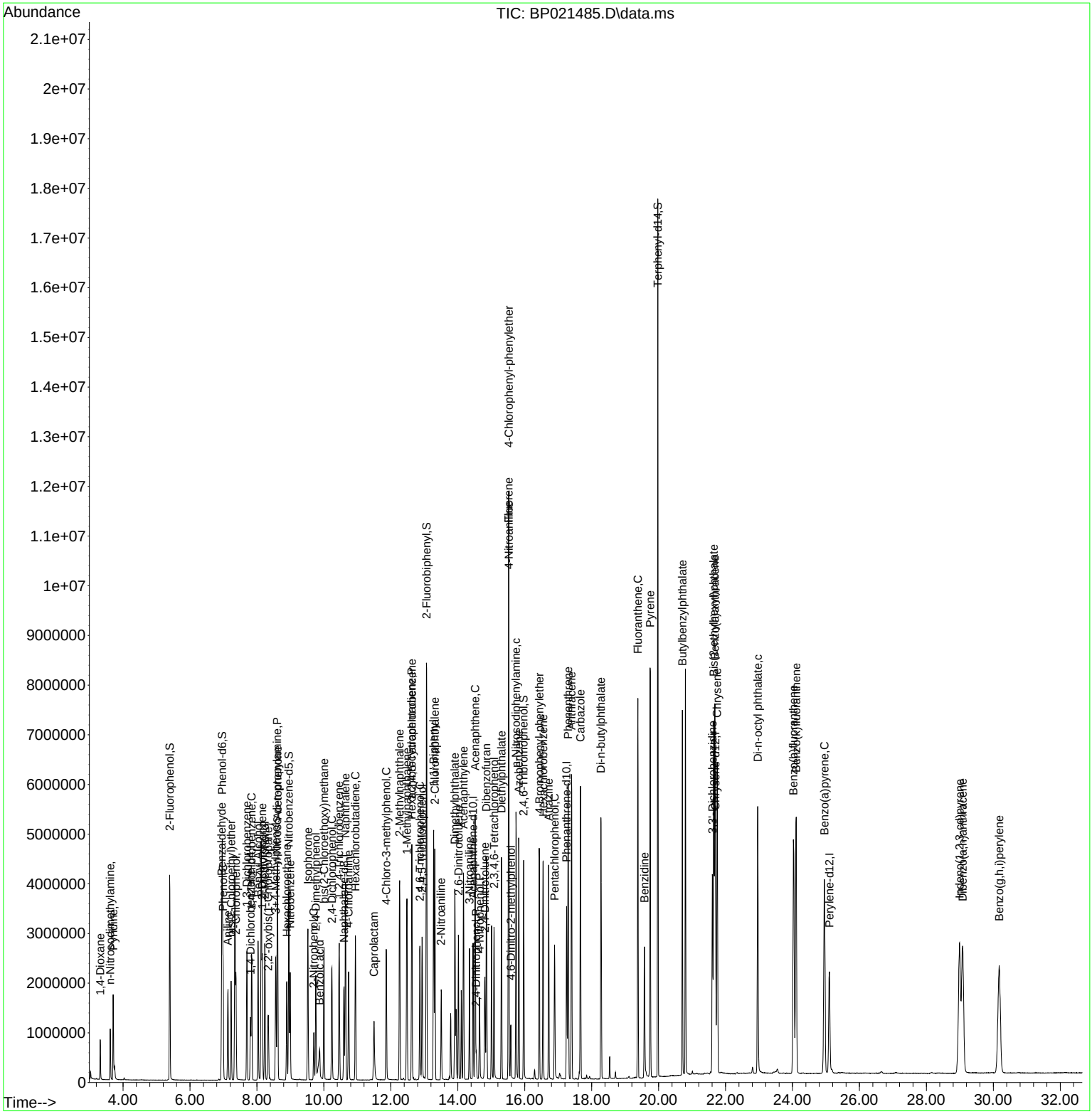
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

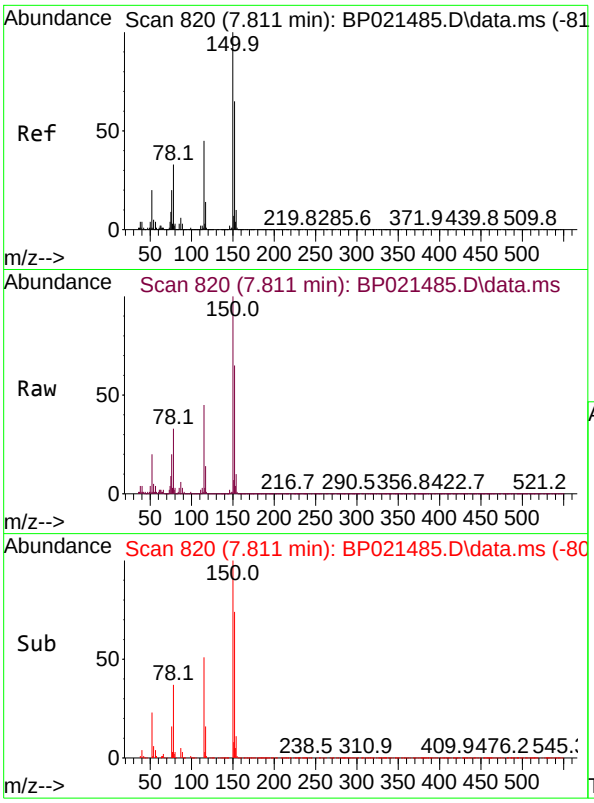
Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

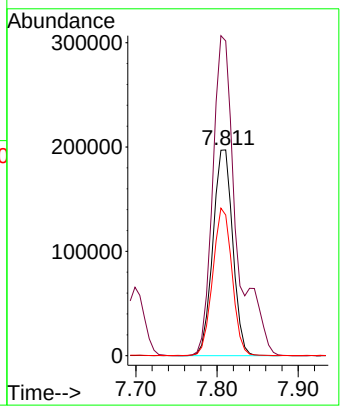




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:152 Resp: 33467

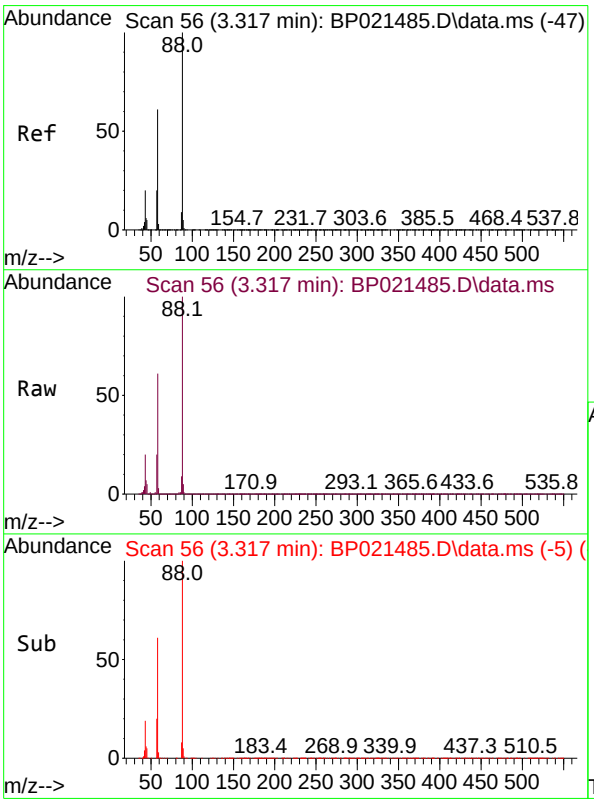
Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

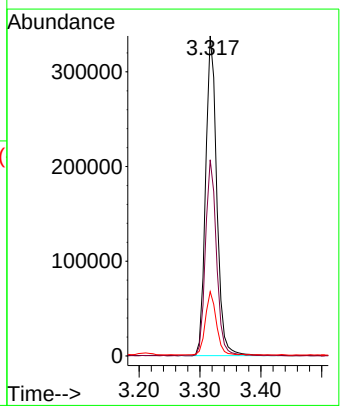
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

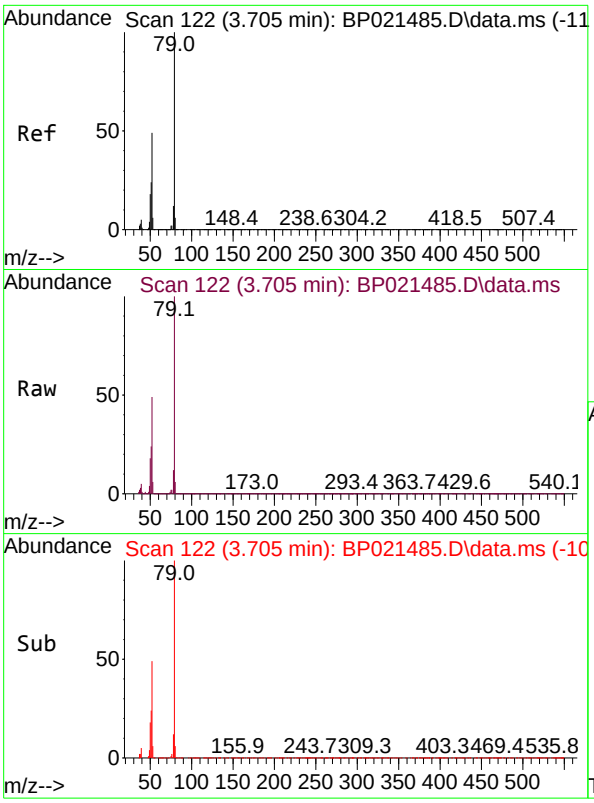


#2
1,4-Dioxane
Concen: 40.199 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 88 Resp: 429612

Ion	Ratio	Lower	Upper
88	100		
58	60.9	48.7	73.1
43	19.3	15.4	23.2

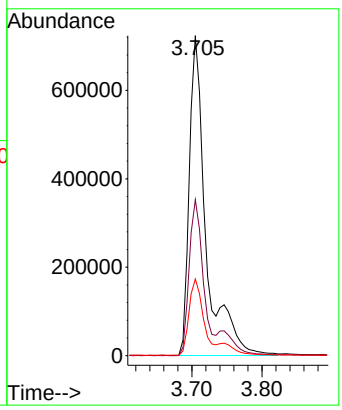




#3
Pyridine
Concen: 40.419 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 120587

Ion	Ratio	Lower	Upper
79	100		
52	48.8	39.0	58.6
51	24.0	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
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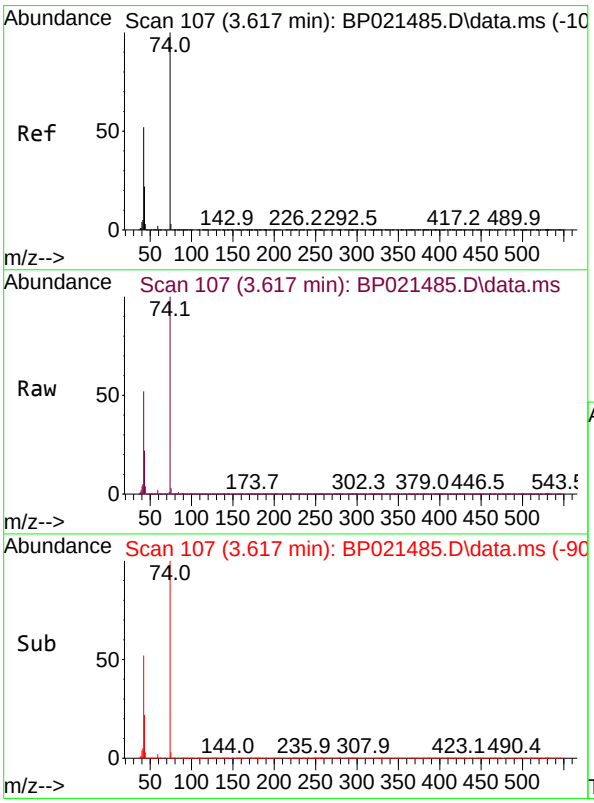
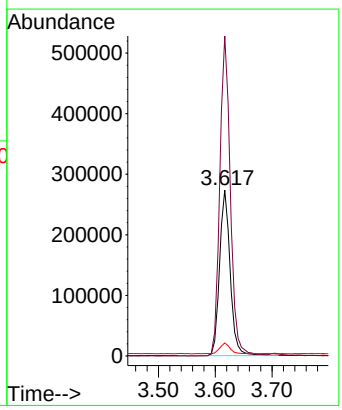
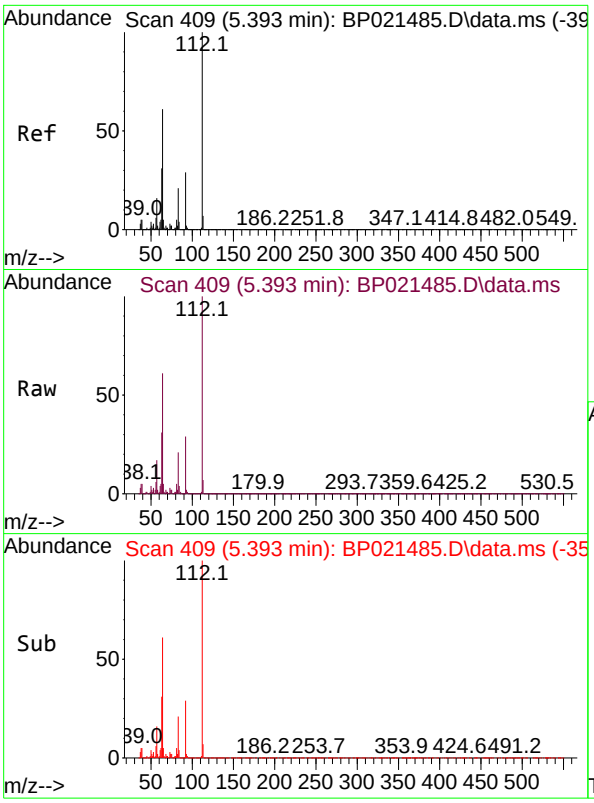


#4
n-Nitrosodimethylamine
Concen: 39.732 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 42 Resp: 356290

Ion	Ratio	Lower	Upper
42	100		
74	192.9	154.3	231.5
44	7.8	6.2	9.4

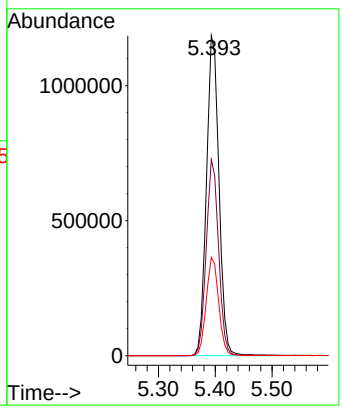




#5
2-Fluorophenol
Concen: 80.056 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:112 Resp: 180437

Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	30.7	24.6	36.8



Instrument :
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ClientSampleId :
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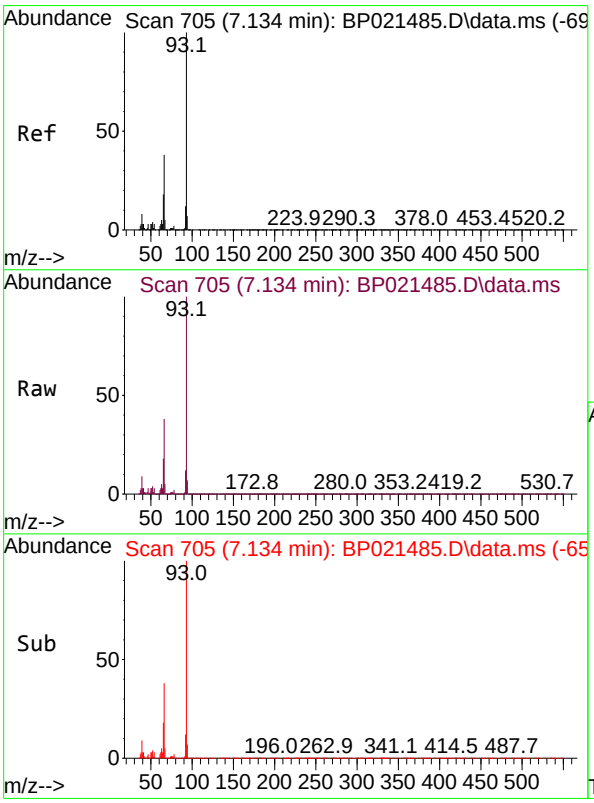
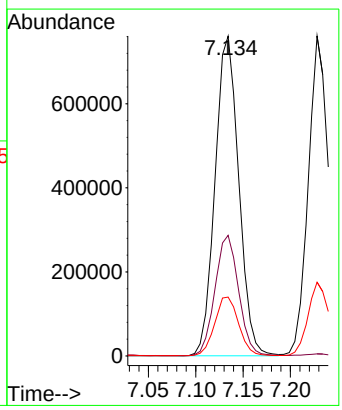
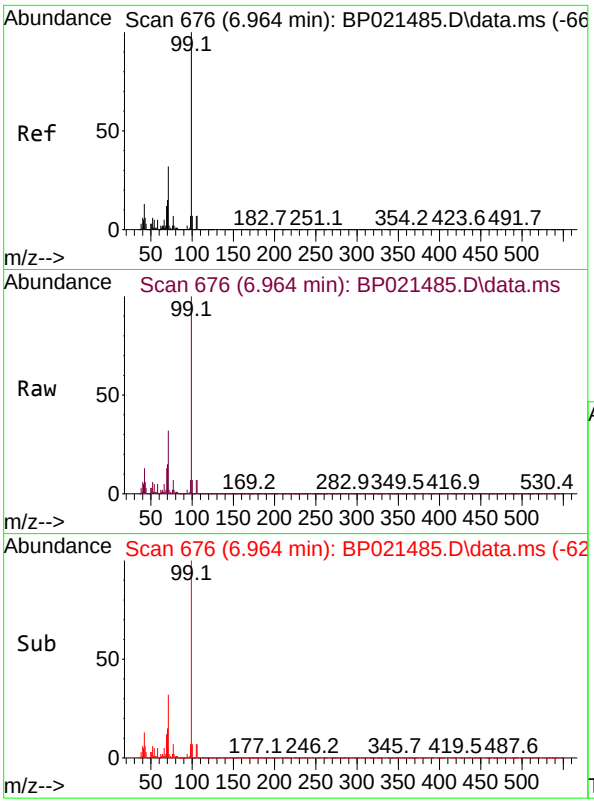


#6
Aniline
Concen: 40.285 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1324158

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.4	14.7	22.1

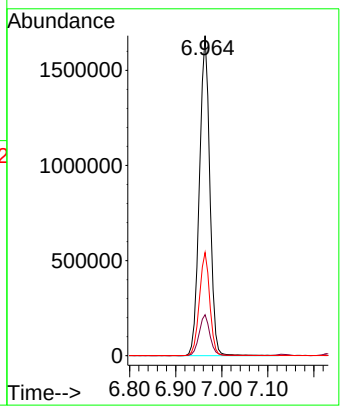




#7
Phenol-d6
Concen: 80.535 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 99 Resp: 264791

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.3	25.8	38.8



Instrument :
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ClientSampleId :
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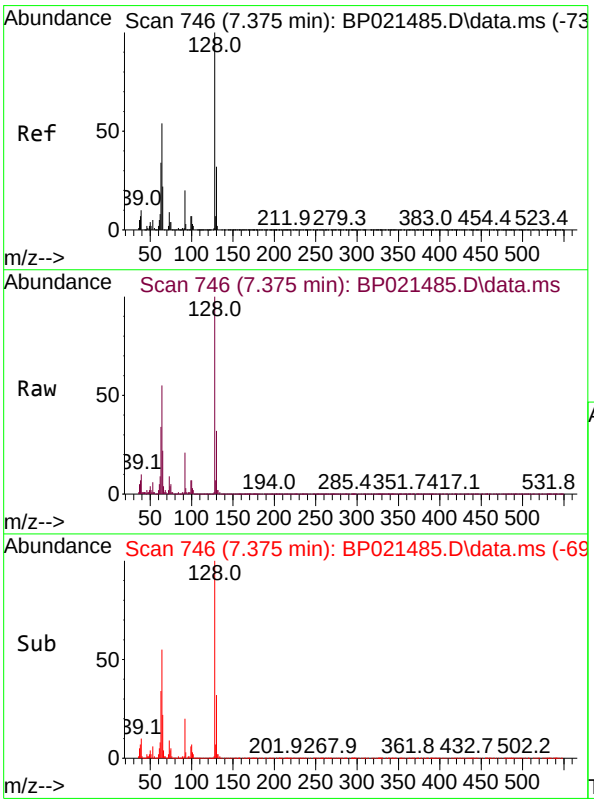
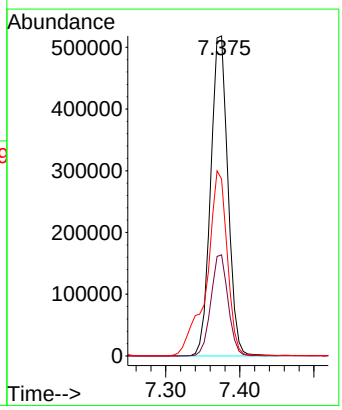
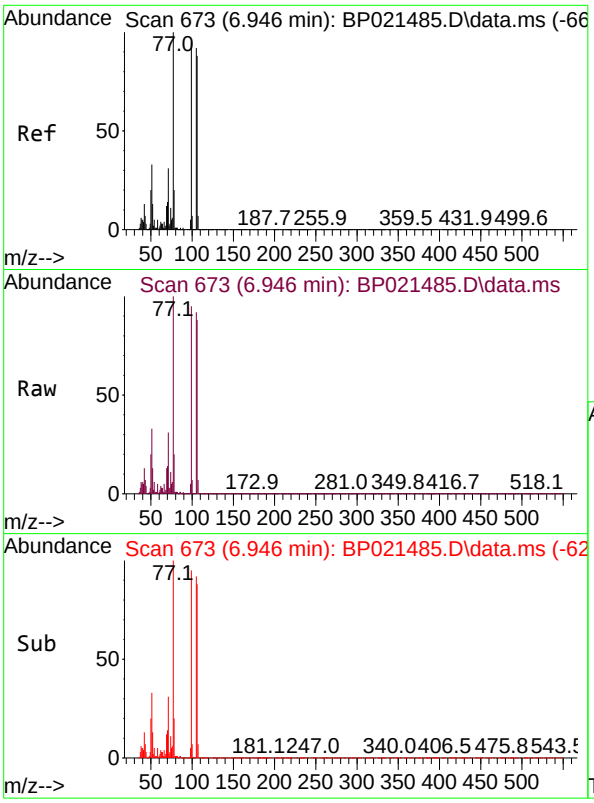


#8
2-Chlorophenol
Concen: 40.166 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 836602

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	55.3	35.3	75.3

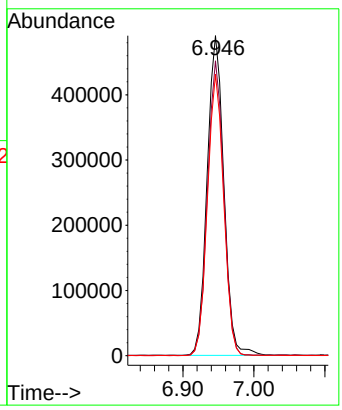




#9
Benzaldehyde
Concen: 38.095 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 80196

Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.9	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
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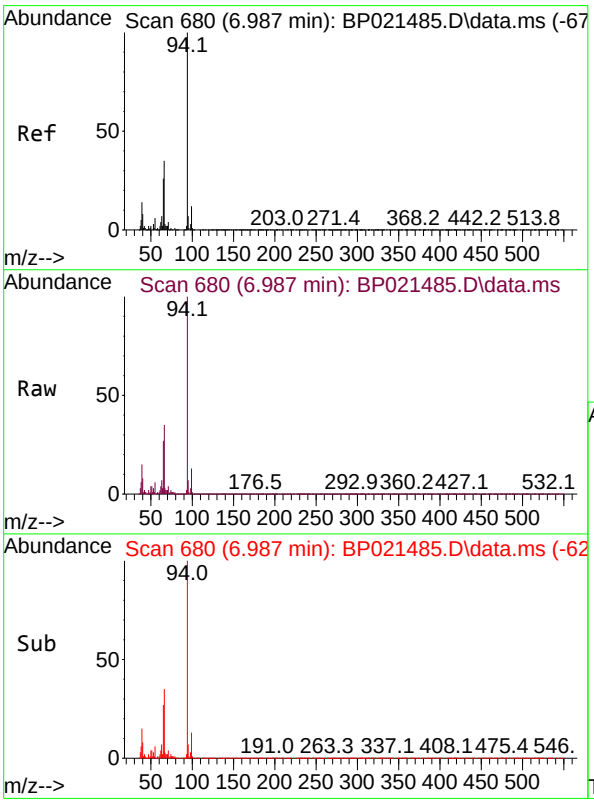
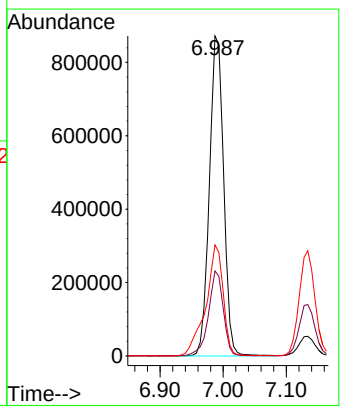
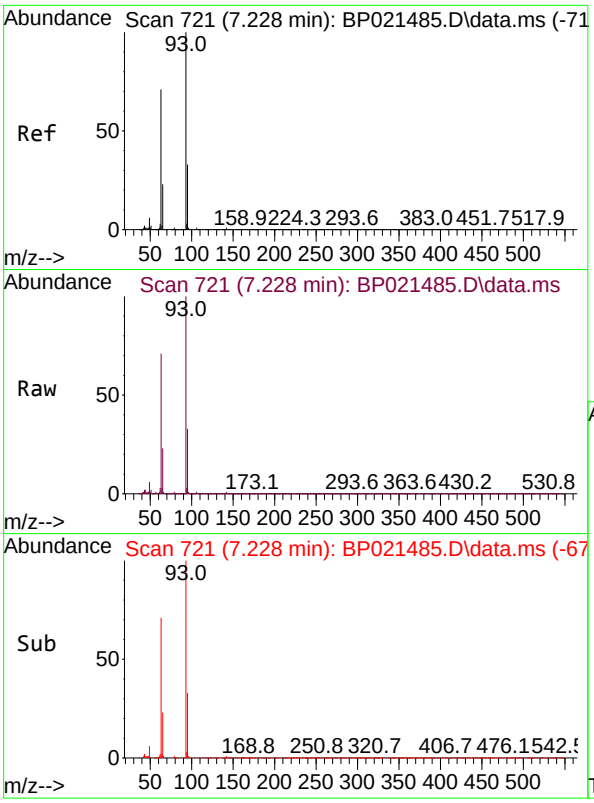


#10
Phenol
Concen: 40.195 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 94 Resp: 1368534

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.5	46.5
66	34.7	14.7	54.7

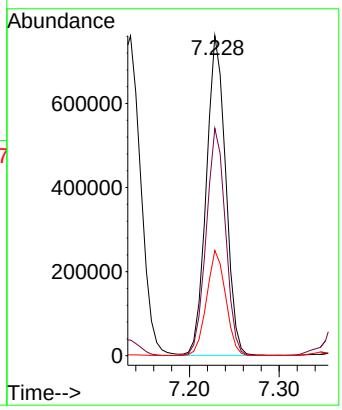




#11
bis(2-Chloroethyl)ether
Concen: 39.547 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 113933

Ion	Ratio	Lower	Upper
93	100		
63	71.0	51.0	91.0
95	32.9	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
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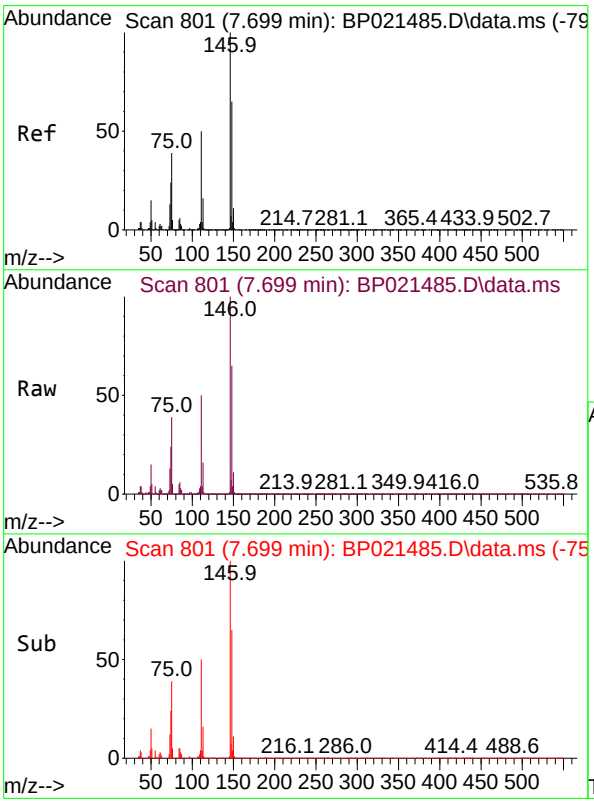
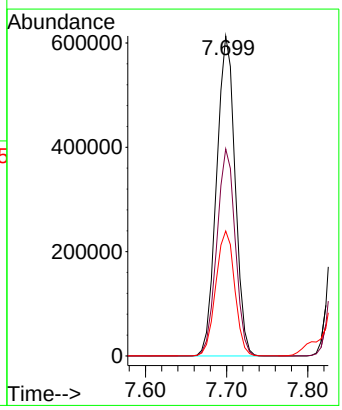
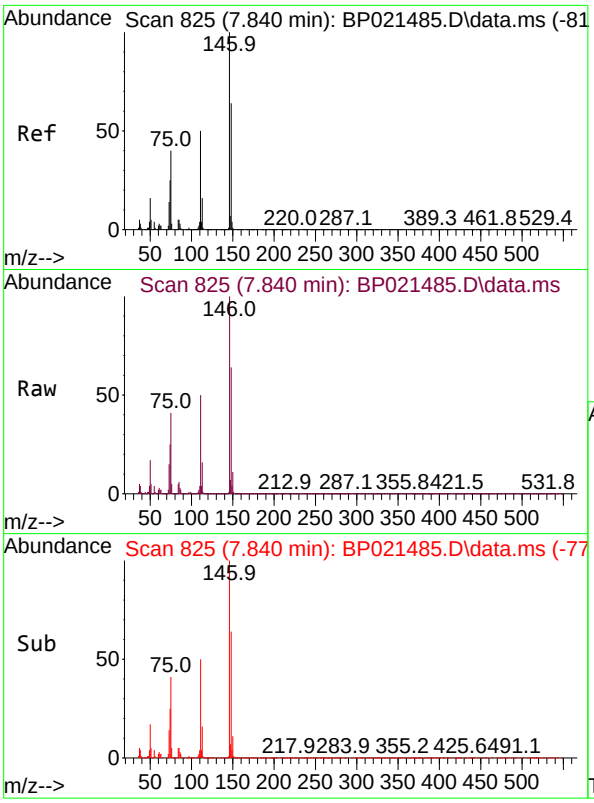


#12
1,3-Dichlorobenzene
Concen: 39.292 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 972133

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	39.1	31.3	46.9

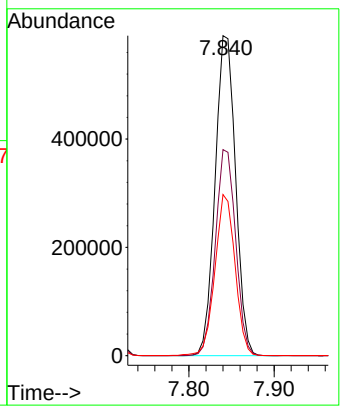




#13
1,4-Dichlorobenzene
Concen: 39.509 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 98704

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	50.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
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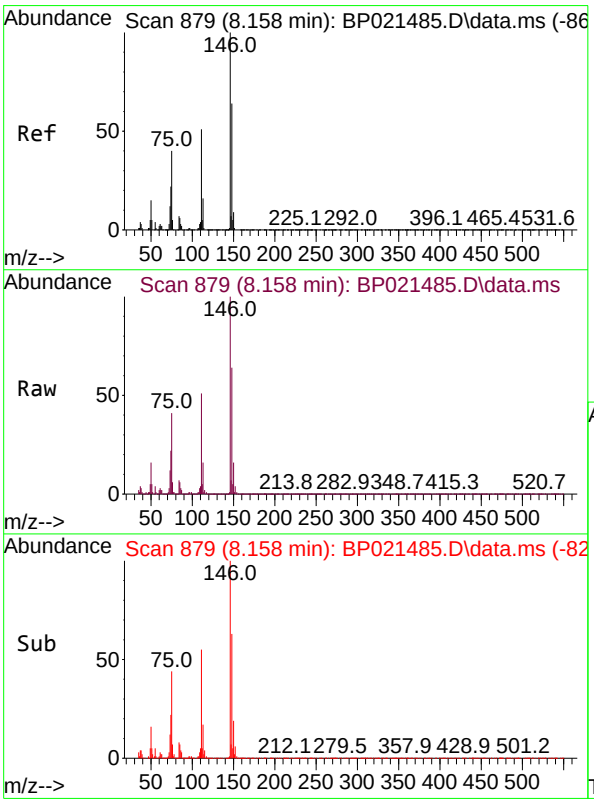
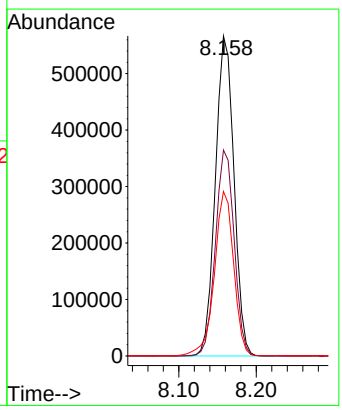
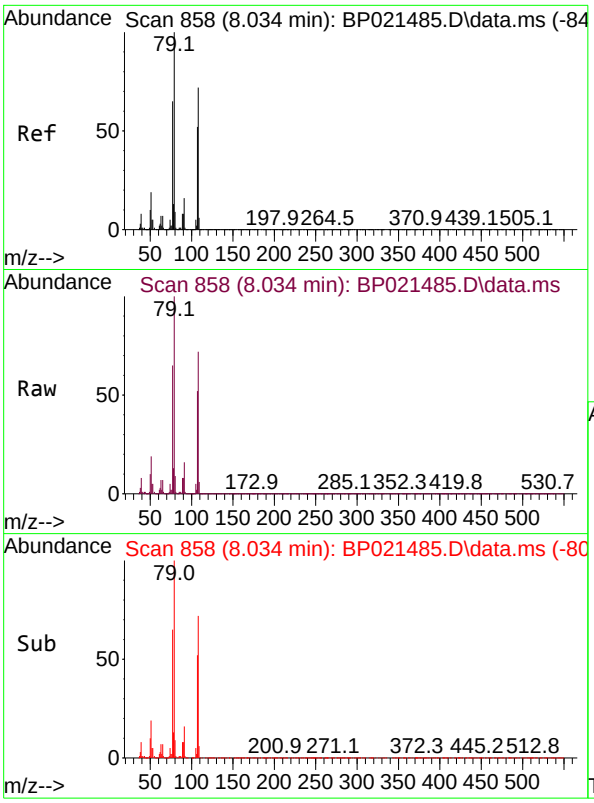


#14
1,2-Dichlorobenzene
Concen: 39.206 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 943886

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	51.4	41.1	61.7





#15
Benzyl Alcohol
Concen: 40.158 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 94737

Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	64.8	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
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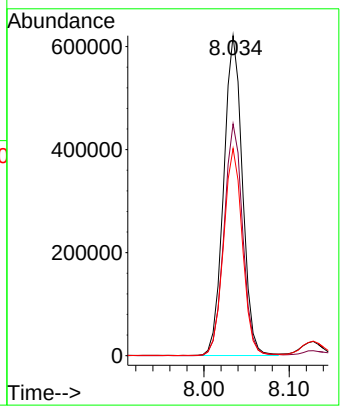
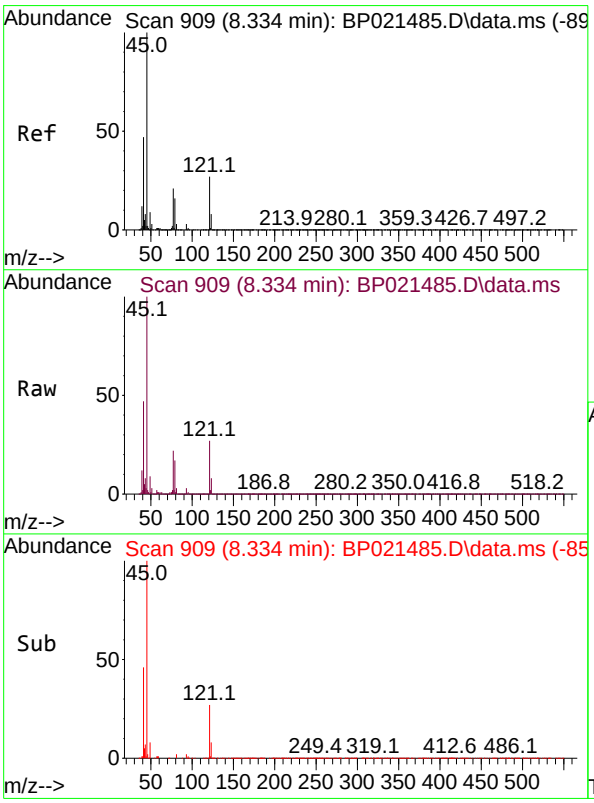
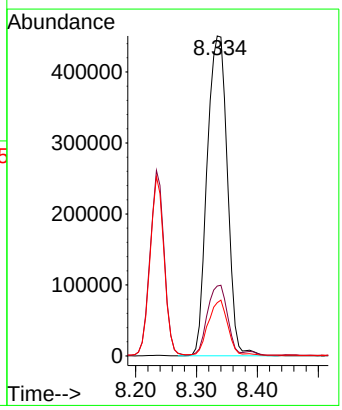


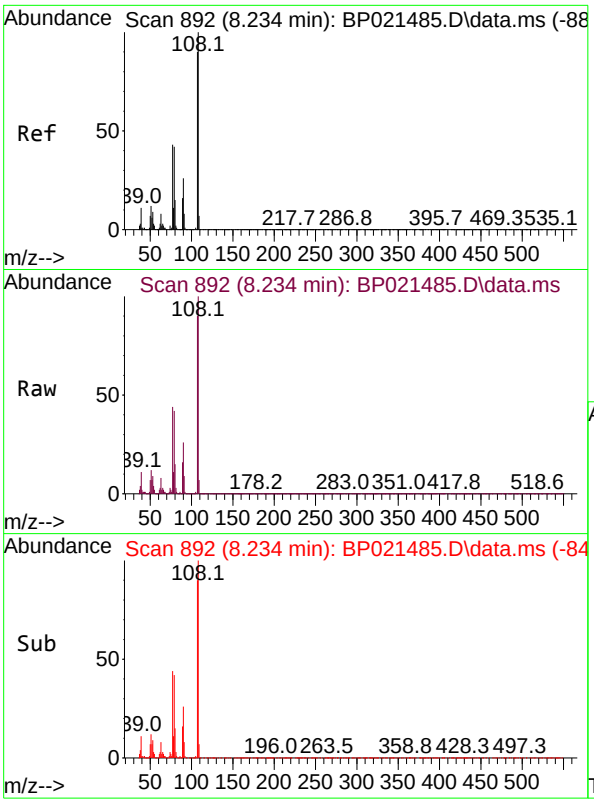


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.016 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 45 Resp: 1035140

Ion	Ratio	Lower	Upper
45	100		
77	21.9	1.9	41.9
79	16.6	0.0	36.6

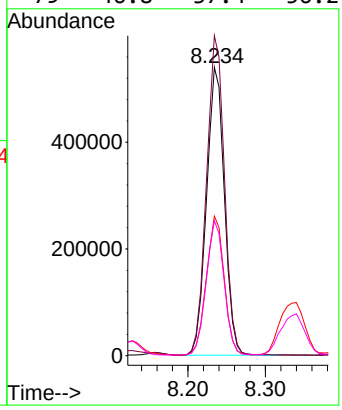




#17
2-Methylphenol
Concen: 40.102 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 86317

Ion	Ratio	Lower	Upper
107	100		
108	111.0	88.8	133.2
77	48.4	38.7	58.1
79	46.8	37.4	56.2



Instrument :
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ClientSampleId :
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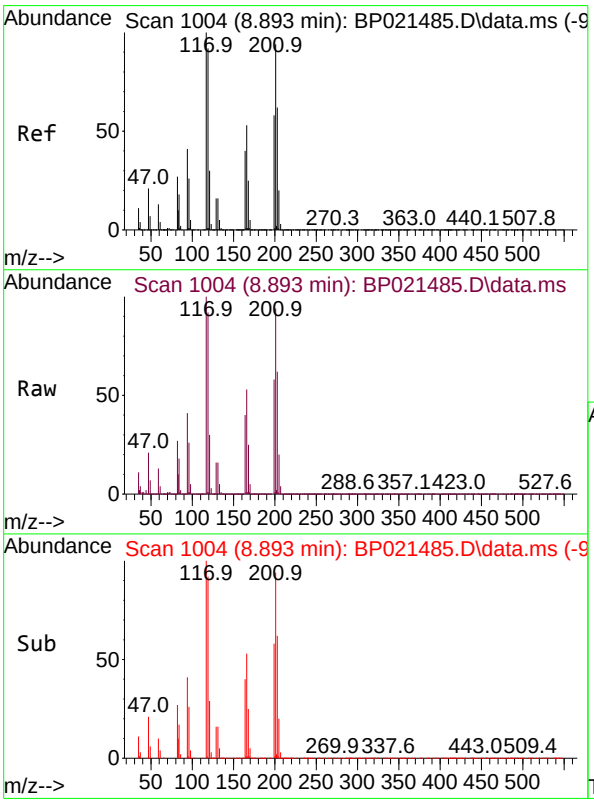
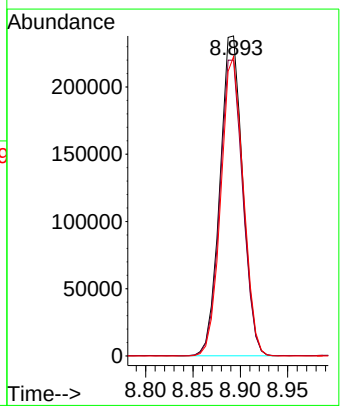
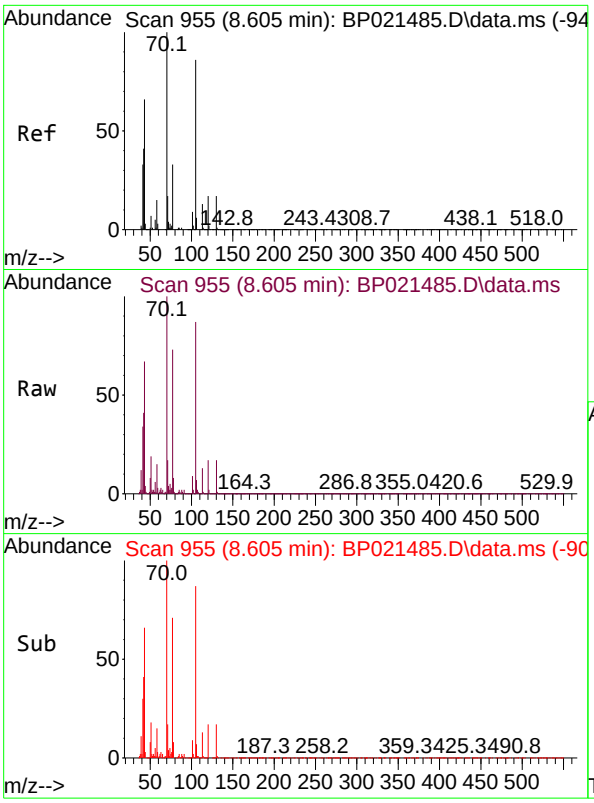


#18
Hexachloroethane
Concen: 39.668 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:117 Resp: 397406

Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.9	110.9
201	93.6	74.9	112.3

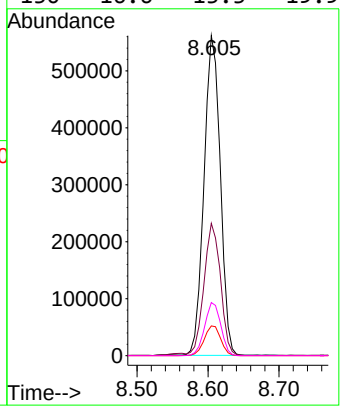




#19
n-Nitroso-di-n-propylamine
Concen: 39.497 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 70 Resp: 89705

Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.3	7.4	11.2
130	16.6	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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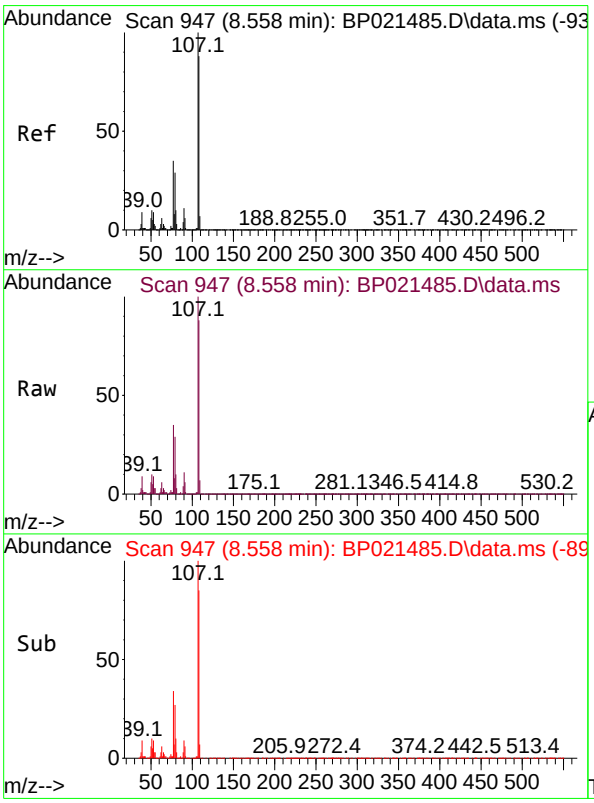
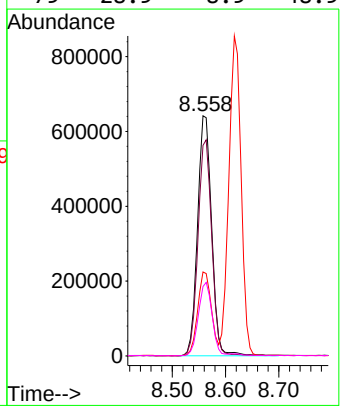
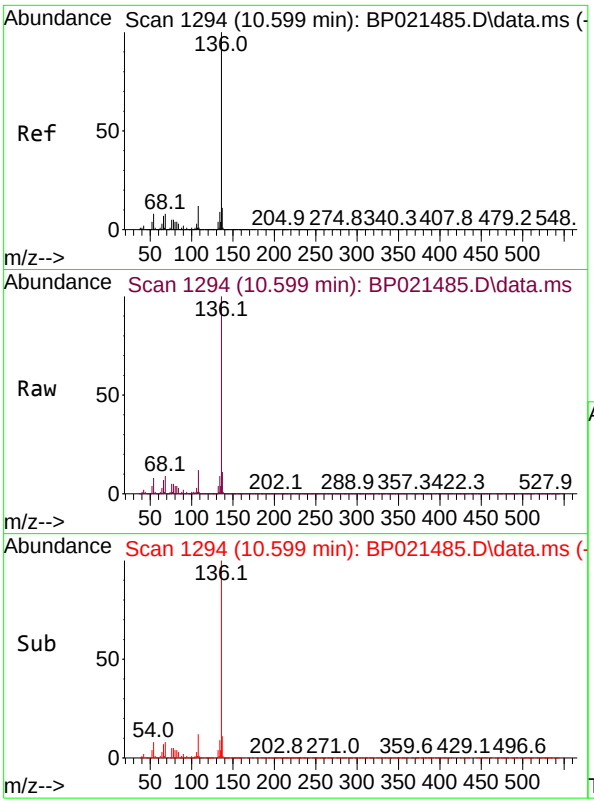


#20
3+4-Methylphenols
Concen: 40.546 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1176757

Ion	Ratio	Lower	Upper
107	100		
108	87.6	67.6	107.6
77	35.0	15.0	55.0
79	28.9	8.9	48.9

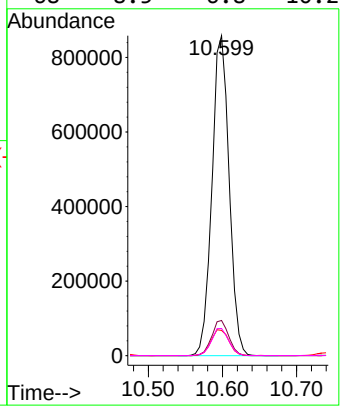




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:136 Resp: 137912

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	8.5	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
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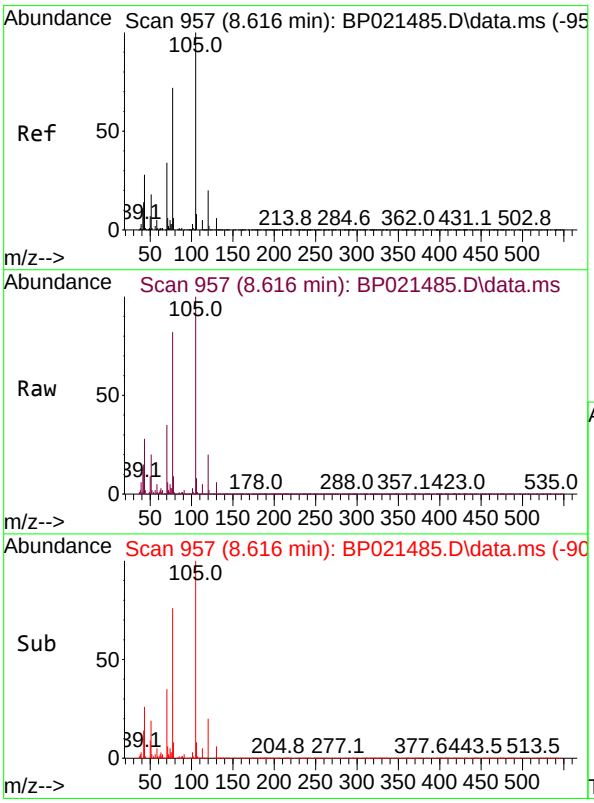
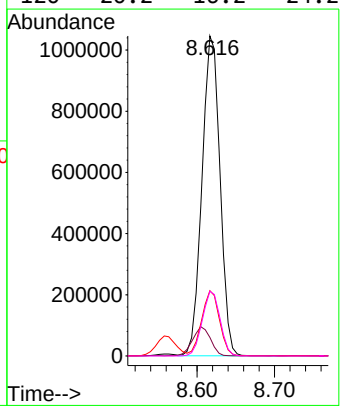
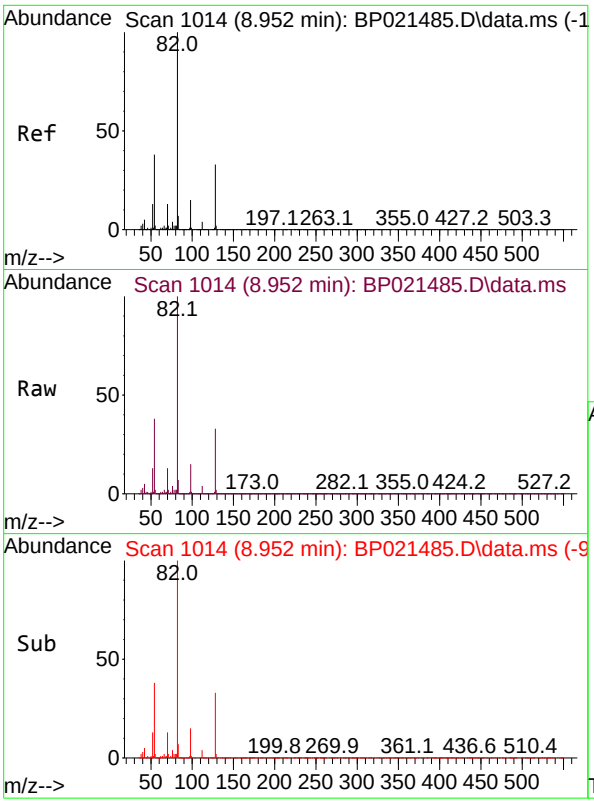


#22
Acetophenone
Concen: 39.846 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:105 Resp: 1688225

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.6	7.0
51	20.4	16.3	24.5
120	20.2	16.2	24.2

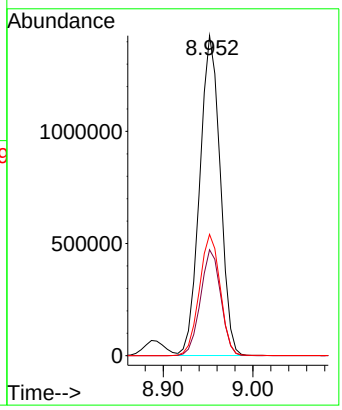




#23
Nitrobenzene-d5
Concen: 84.675 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 82 Resp: 226247

Ion	Ratio	Lower	Upper
82	100		
128	33.1	26.5	39.7
54	37.9	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
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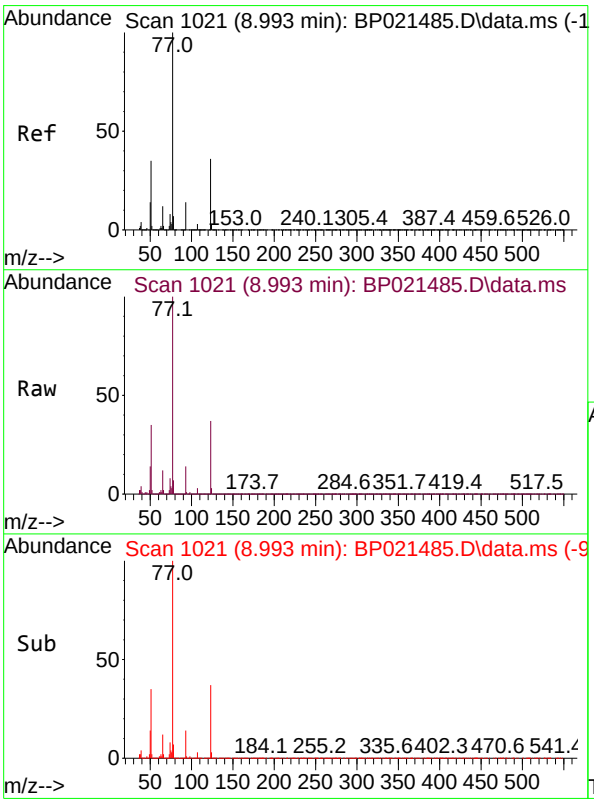
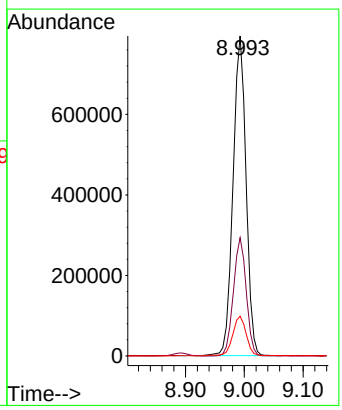
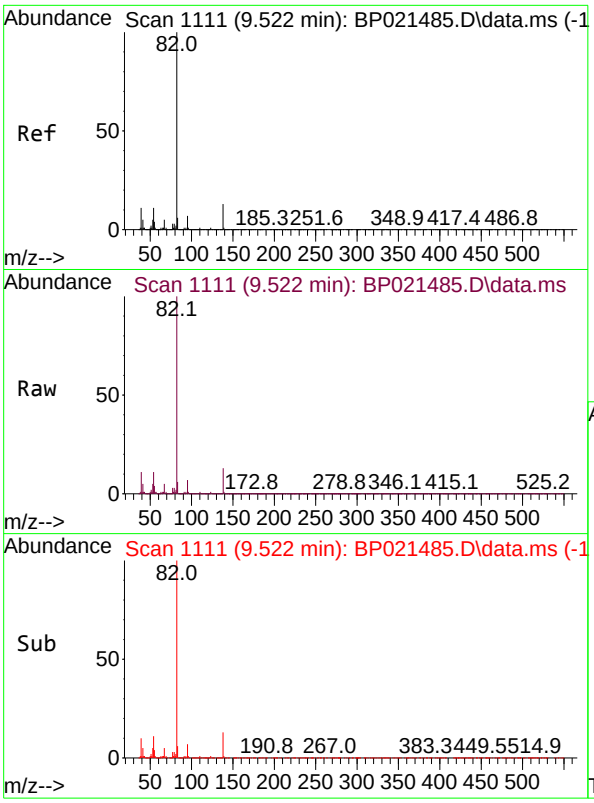


#24
Nitrobenzene
Concen: 42.085 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 1221296

Ion	Ratio	Lower	Upper
77	100		
123	36.9	29.5	44.3
65	12.4	9.9	14.9





#25
Isophorone
Concen: 39.915 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 251953

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	13.3	10.6	16.0

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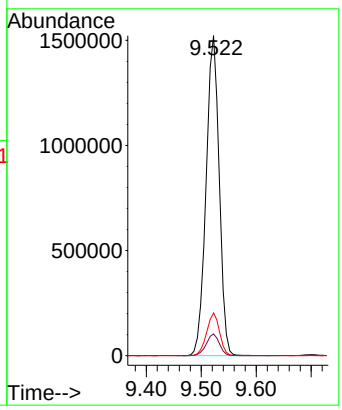
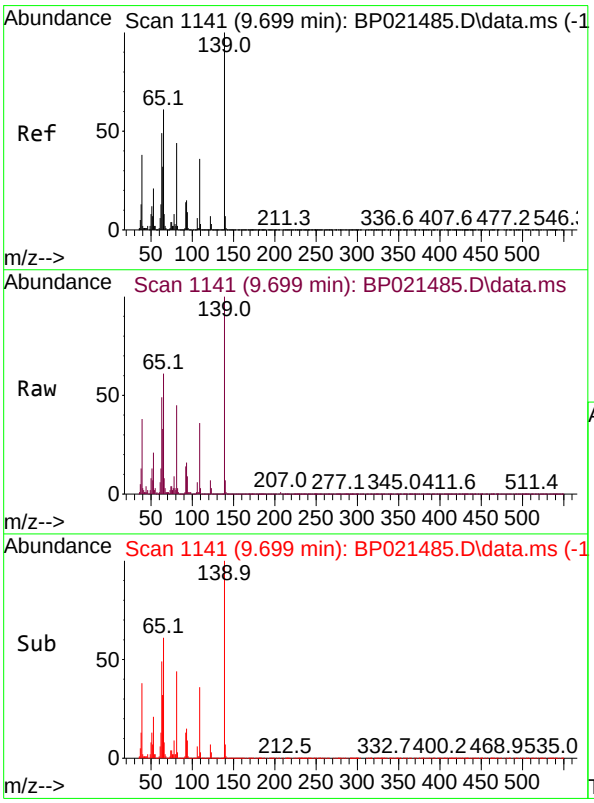
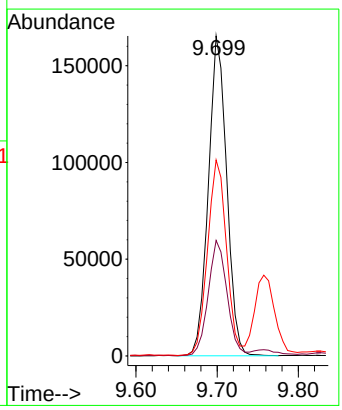


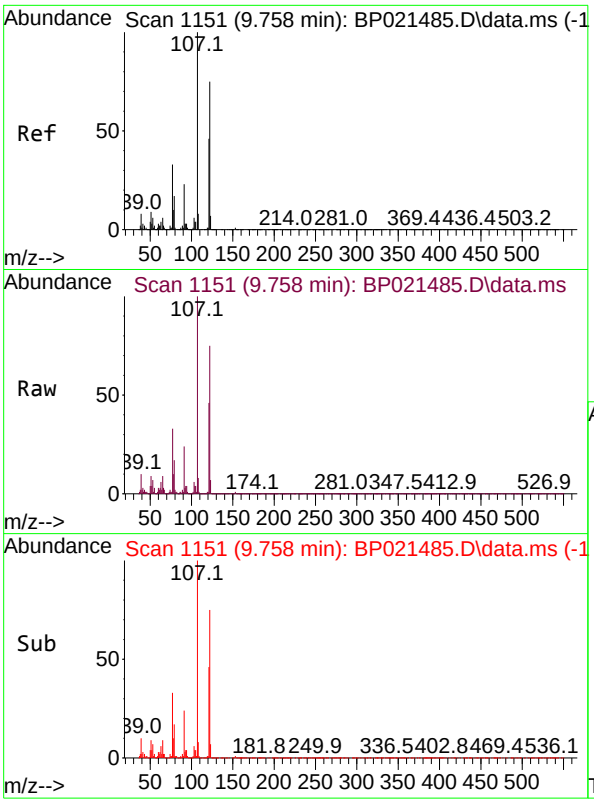


#26
2-Nitrophenol
Concen: 39.575 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 259209

Ion	Ratio	Lower	Upper
139	100		
109	36.1	28.9	43.3
65	61.3	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 39.900 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 62155

Ion	Ratio	Lower	Upper
122	100		
107	132.8	106.2	159.4
121	61.0	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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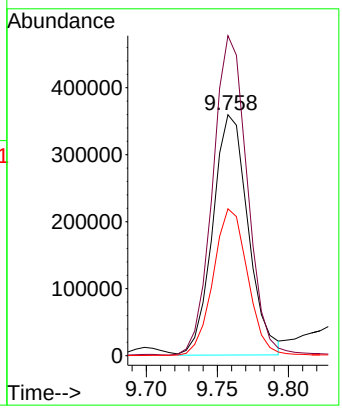
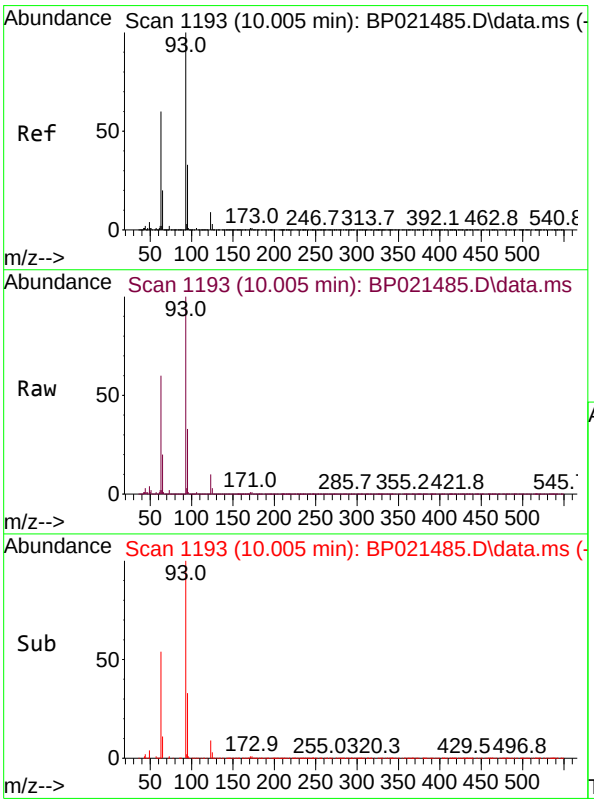
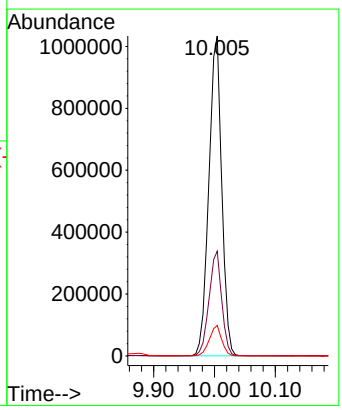


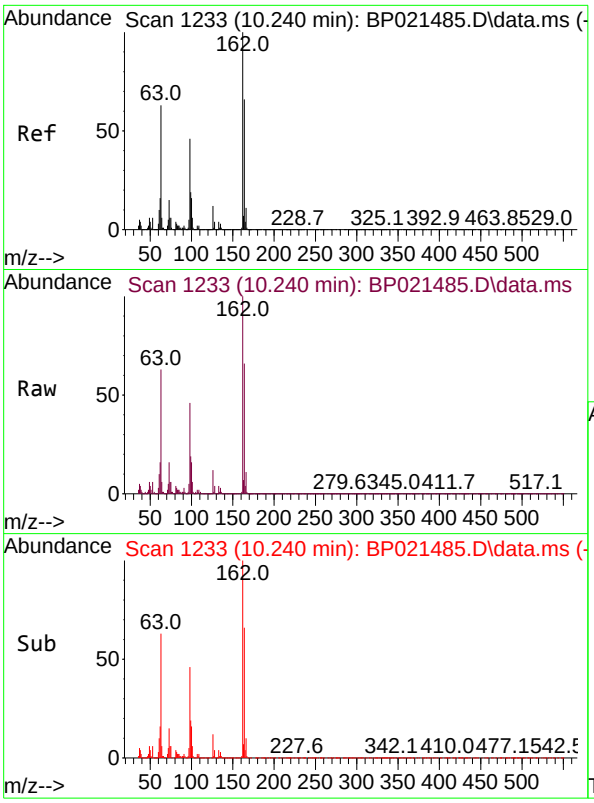


#28
bis(2-Chloroethoxy)methane
Concen: 39.336 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1515653

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 40.849 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:162 Resp: 75187

Ion	Ratio	Lower	Upper
162	100		
164	65.9	45.9	85.9
98	46.3	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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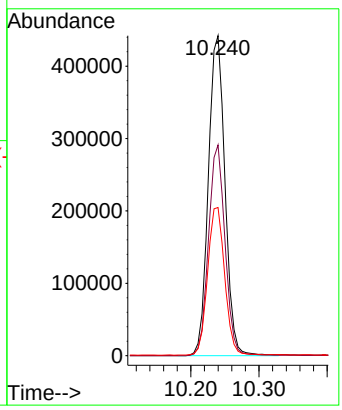
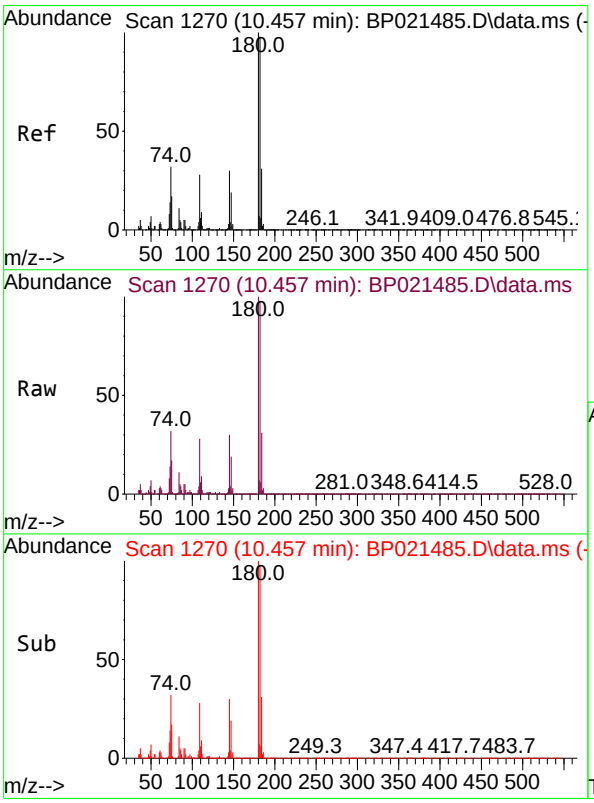
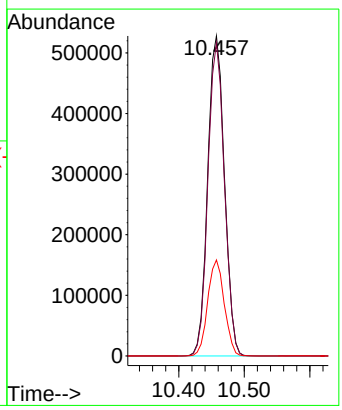


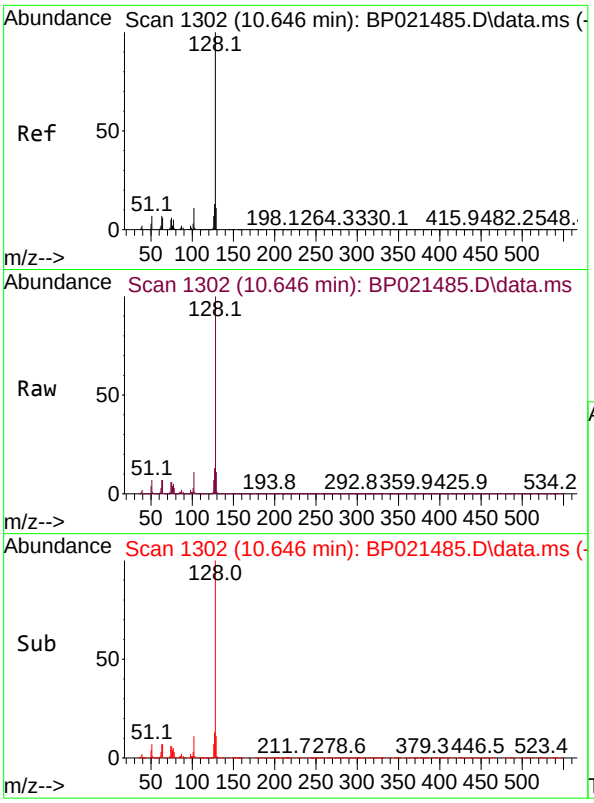


#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 10.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:180 Resp: 938177

Ion	Ratio	Lower	Upper
180	100		
182	97.9	78.3	117.5
145	30.0	24.0	36.0

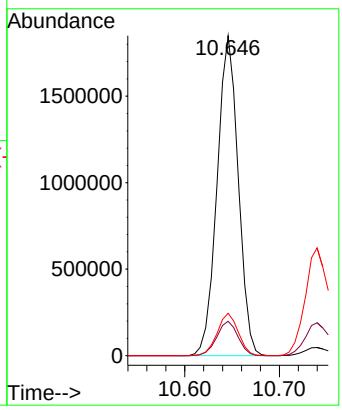




#31
Naphthalene
Concen: 39.845 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 287066

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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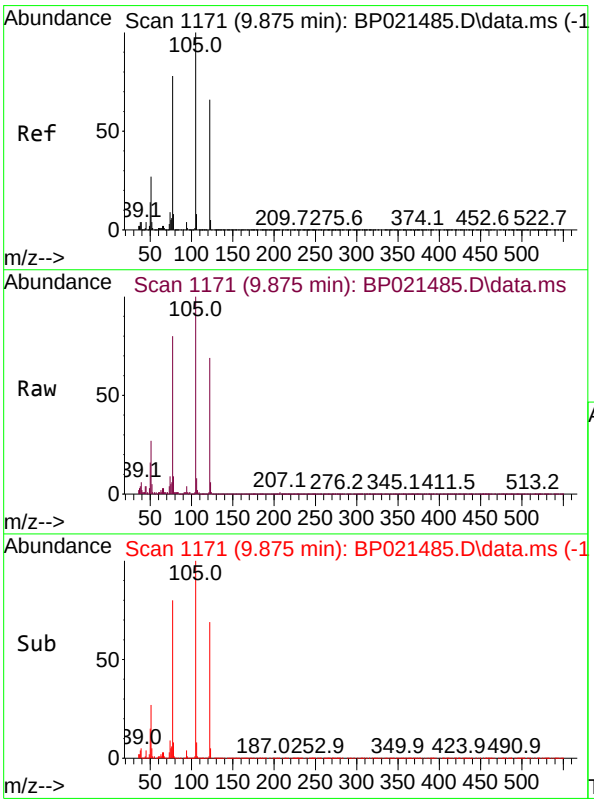
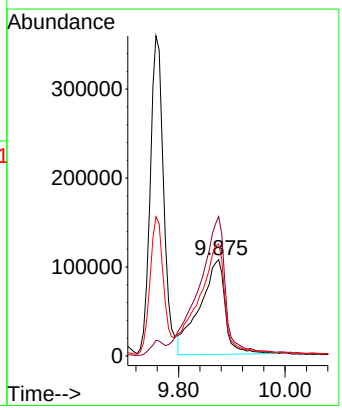
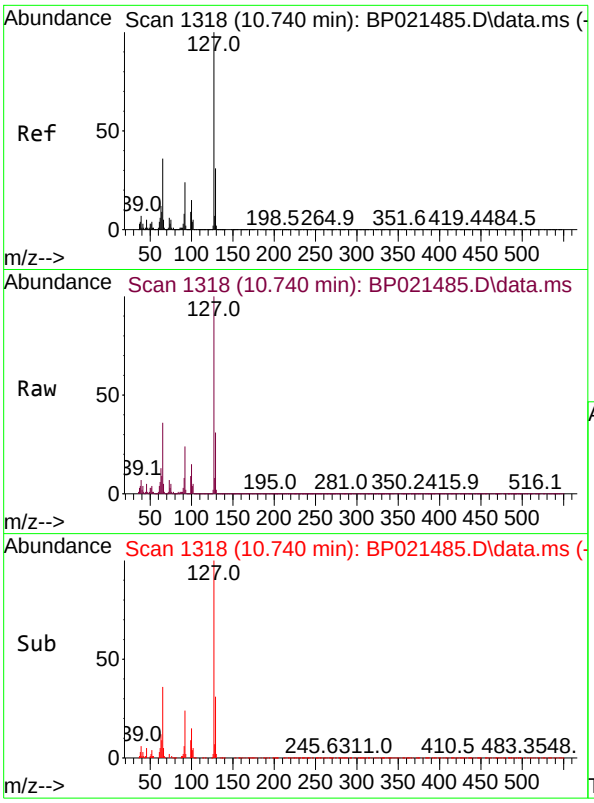


#32
Benzoic acid
Concen: 38.509 ng
RT: 9.875 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 356582

Ion	Ratio	Lower	Upper
122	100		
105	144.6	124.6	164.6
77	116.2	96.2	136.2

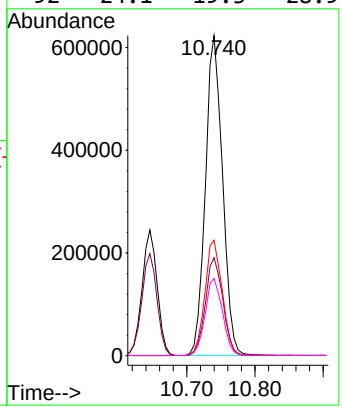




#33
4-Chloroaniline
Concen: 40.303 ng
RT: 10.740 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:127 Resp: 109071

Ion	Ratio	Lower	Upper
127	100		
129	30.6	24.5	36.7
65	36.1	28.9	43.3
92	24.1	19.3	28.9



Instrument :
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ClientSampleId :
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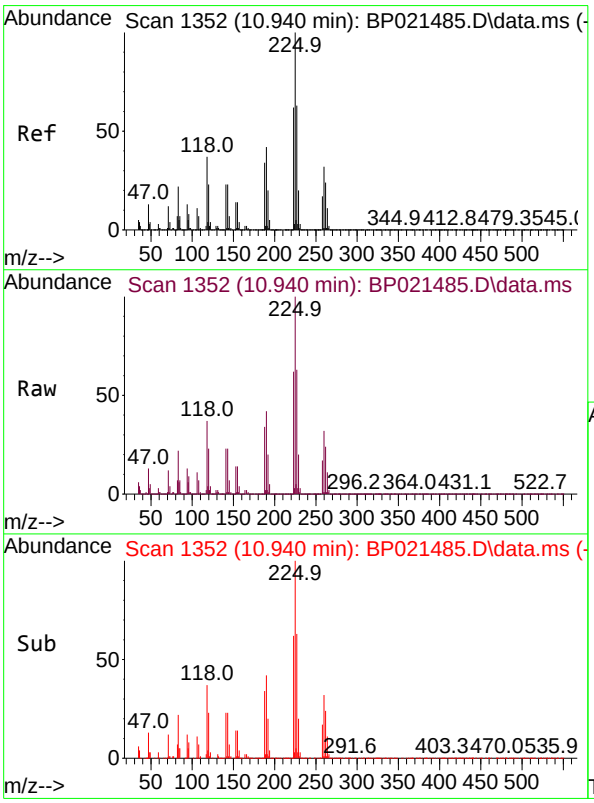
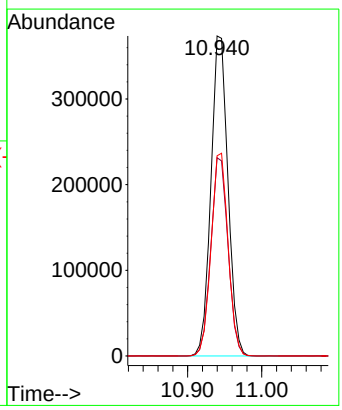
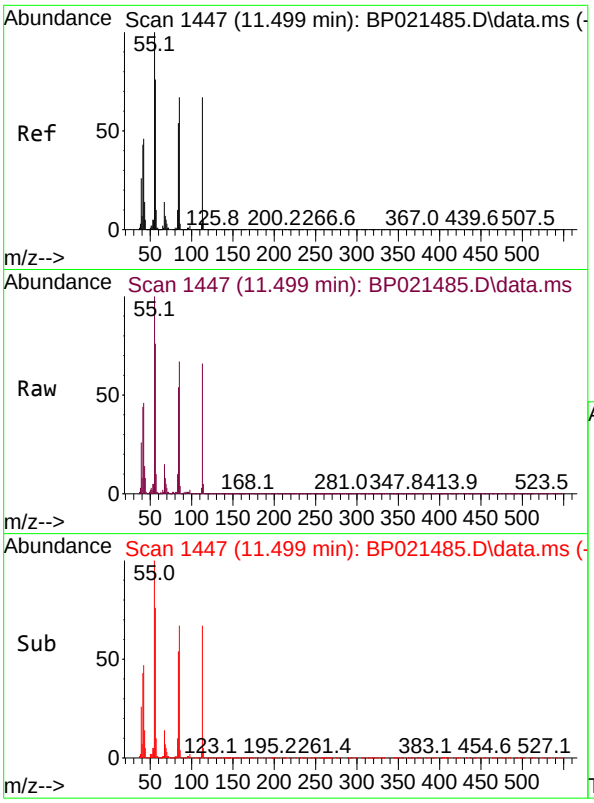


#34
Hexachlorobutadiene
Concen: 39.989 ng
RT: 10.940 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:225 Resp: 594148

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.6	74.4
227	62.6	50.1	75.1

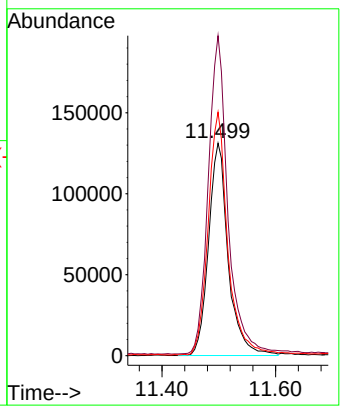




#35
Caprolactam
Concen: 41.005 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:113 Resp: 314109

Ion	Ratio	Lower	Upper
113	100		
55	150.6	130.6	170.6
56	114.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
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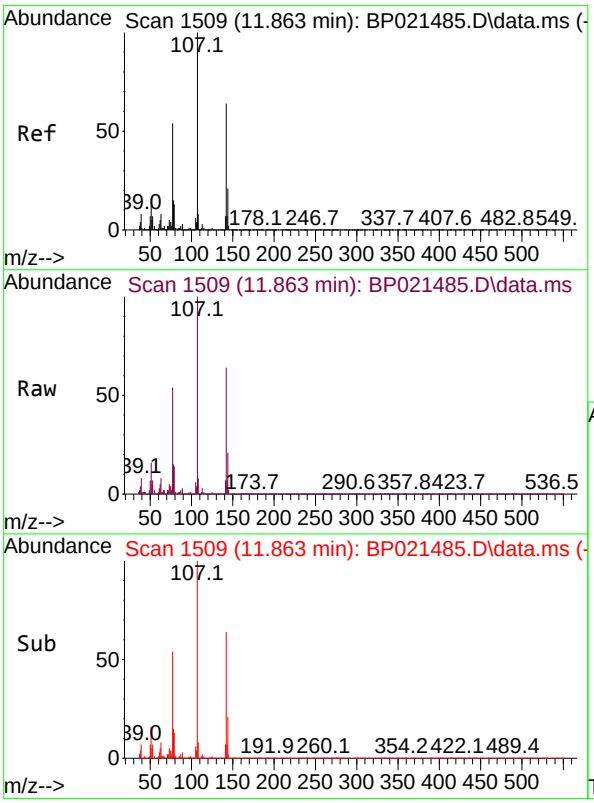
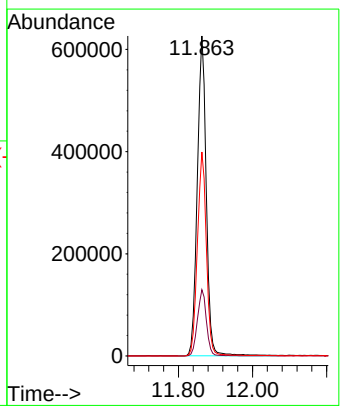
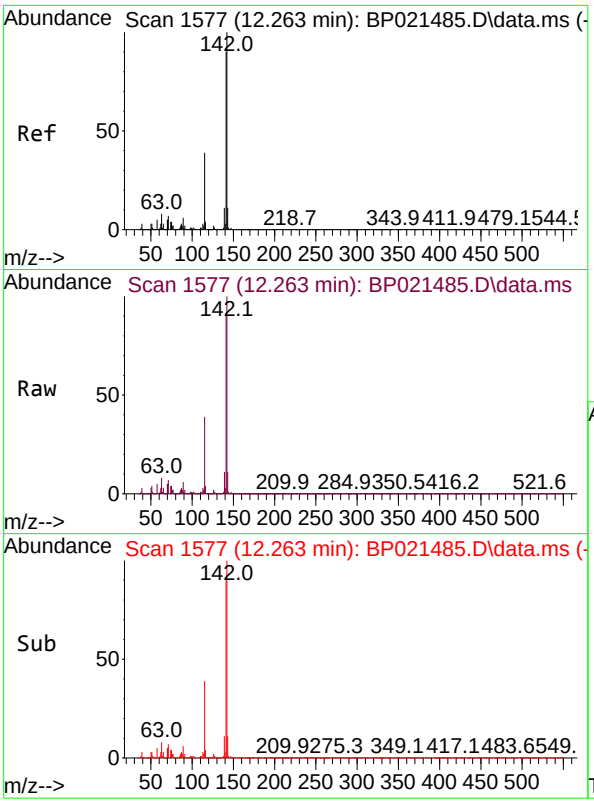


#36
4-Chloro-3-methylphenol
Concen: 41.323 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1055054

Ion	Ratio	Lower	Upper
107	100		
144	20.7	16.6	24.8
142	63.7	51.0	76.4

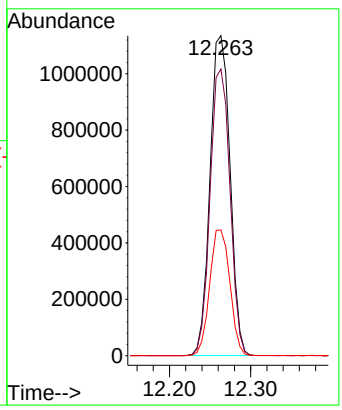




#37
2-Methylnaphthalene
Concen: 39.550 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 194471

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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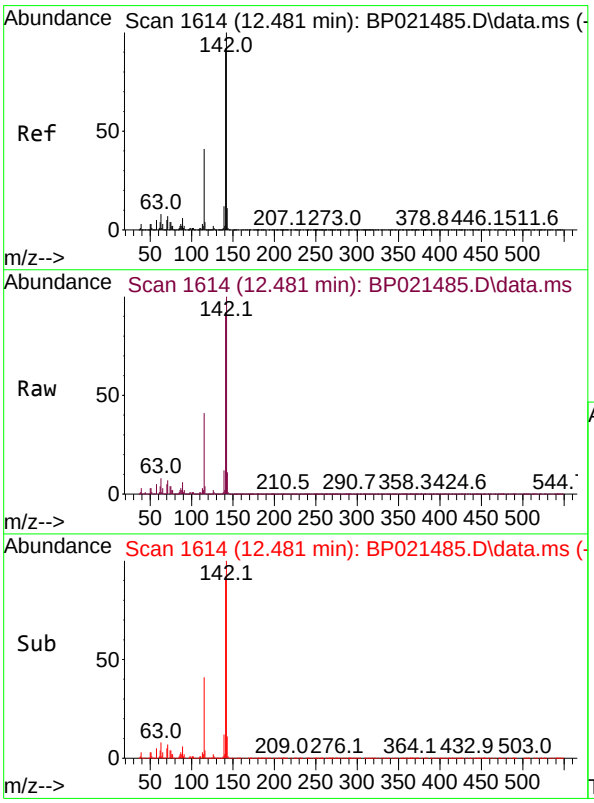
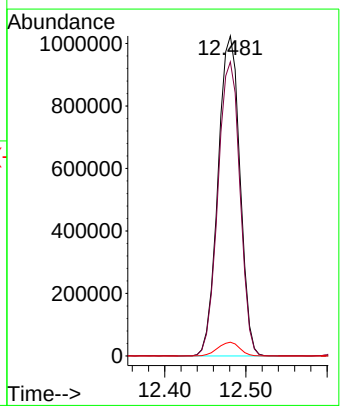
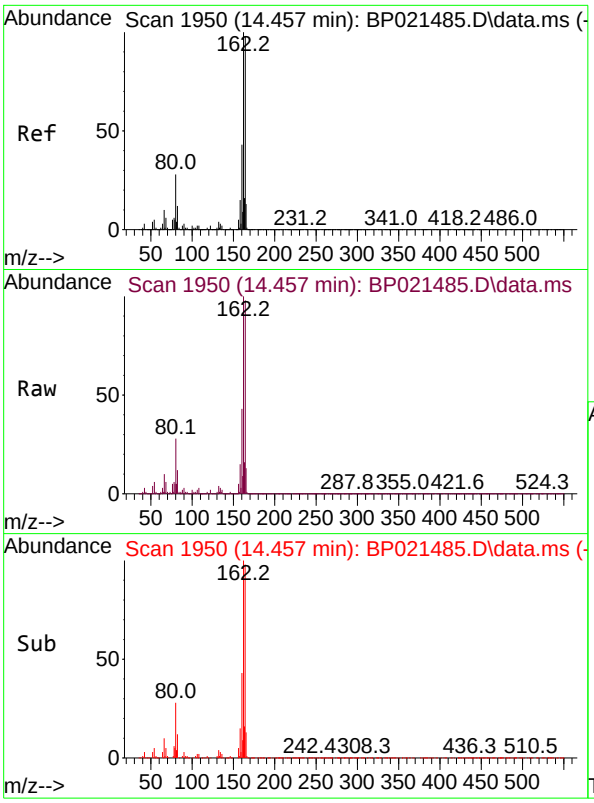


#38
1-Methylnaphthalene
Concen: 39.621 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 1921454

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.5	110.3
116	4.3	3.4	5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 89024

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	44.0	35.2	52.8

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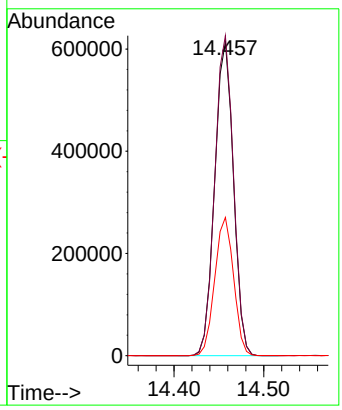
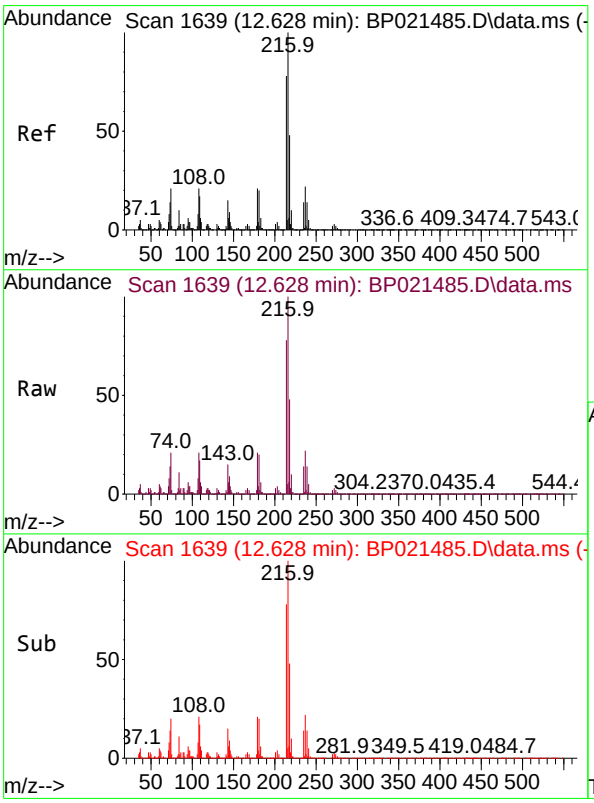
Supervised By :mohammad ahmed 08/14/2024

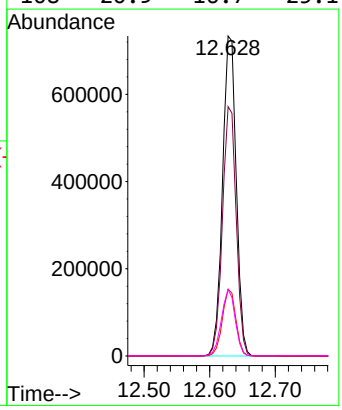


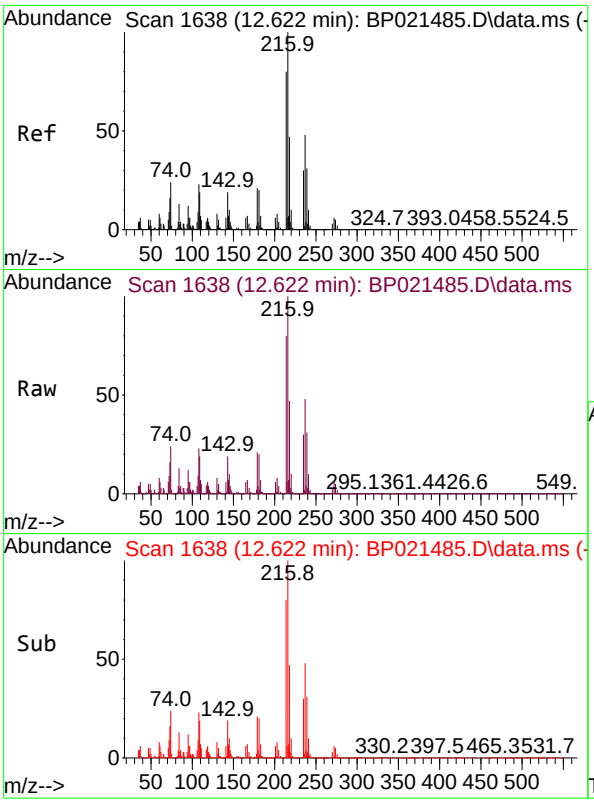


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.588 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:216 Resp: 1058707

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.5	16.4	24.6
108	20.9	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 41.293 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 34136

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.3	0.0	33.3

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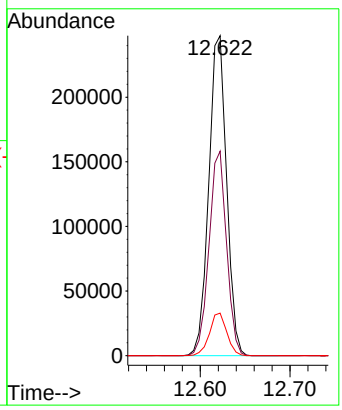
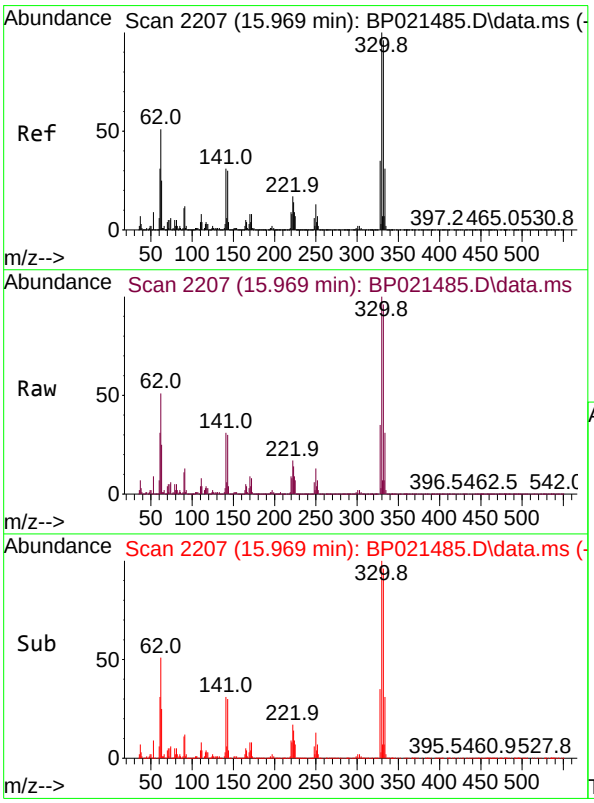
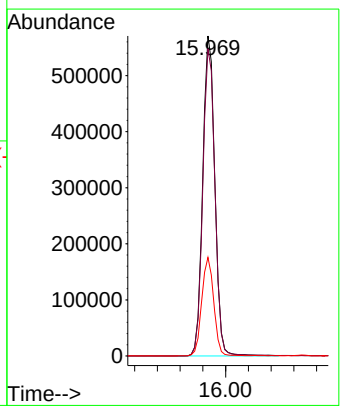


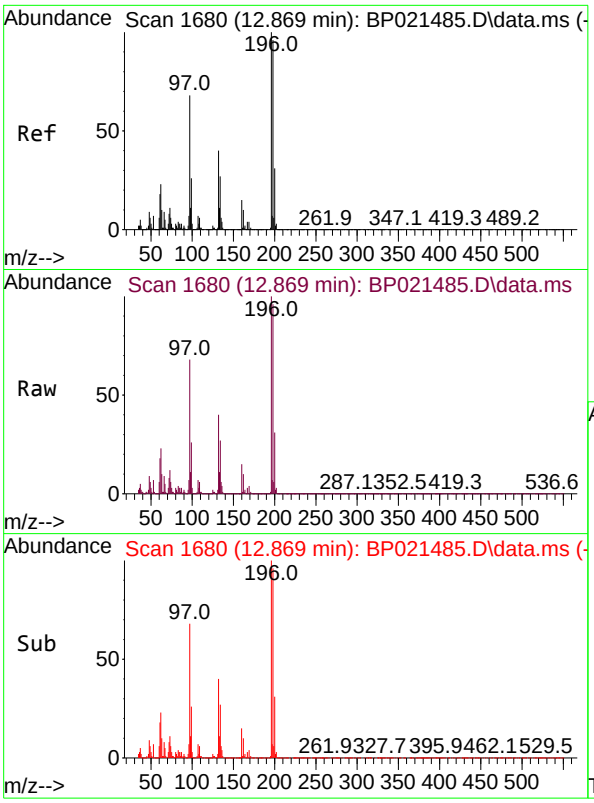


#42
2,4,6-Tribromophenol
Concen: 84.855 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:330 Resp: 840745

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	30.6	24.5	36.7

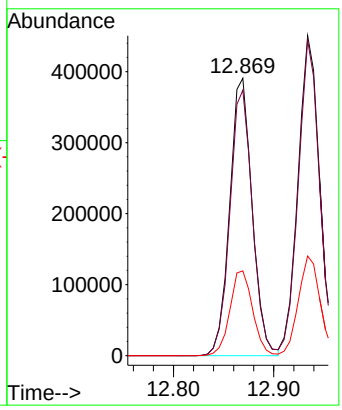




#43
2,4,6-Trichlorophenol
Concen: 42.100 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:196 Resp: 61000

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
200	30.6	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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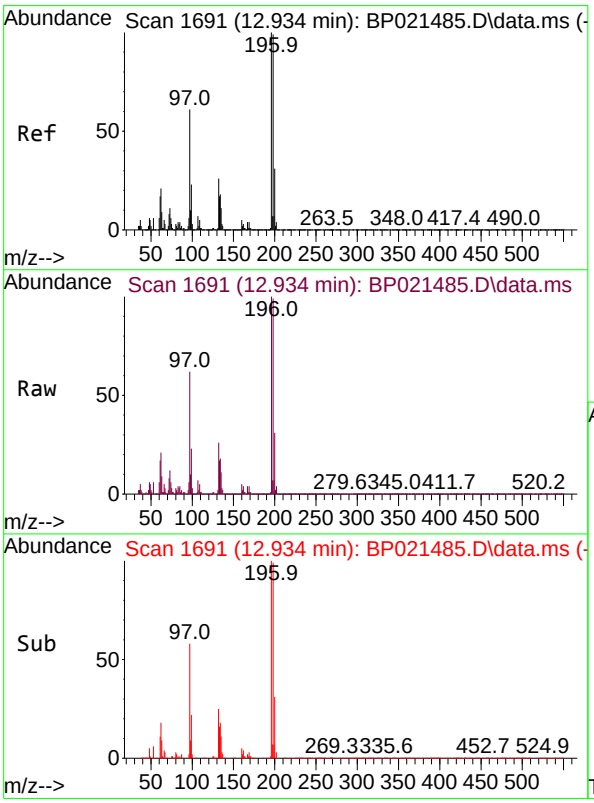
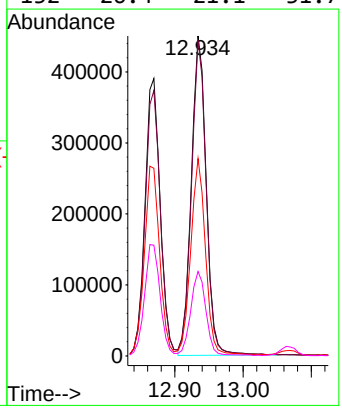
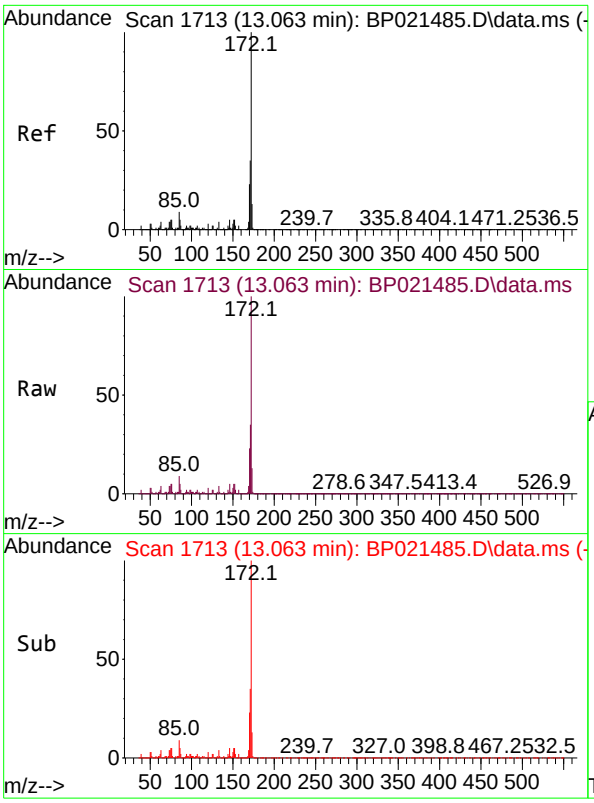


#44
2,4,5-Trichlorophenol
Concen: 42.300 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:196 Resp: 680956

Ion	Ratio	Lower	Upper
196	100		
198	98.6	78.9	118.3
97	61.7	49.4	74.0
132	26.4	21.1	31.7

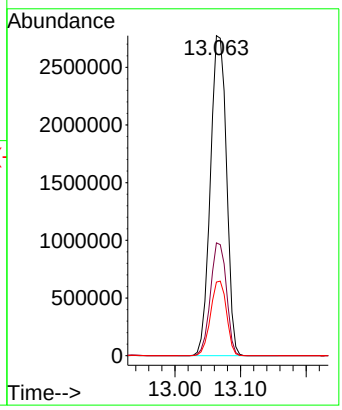




#45
2-Fluorobiphenyl
Concen: 81.001 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:172 Resp: 472498

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.0	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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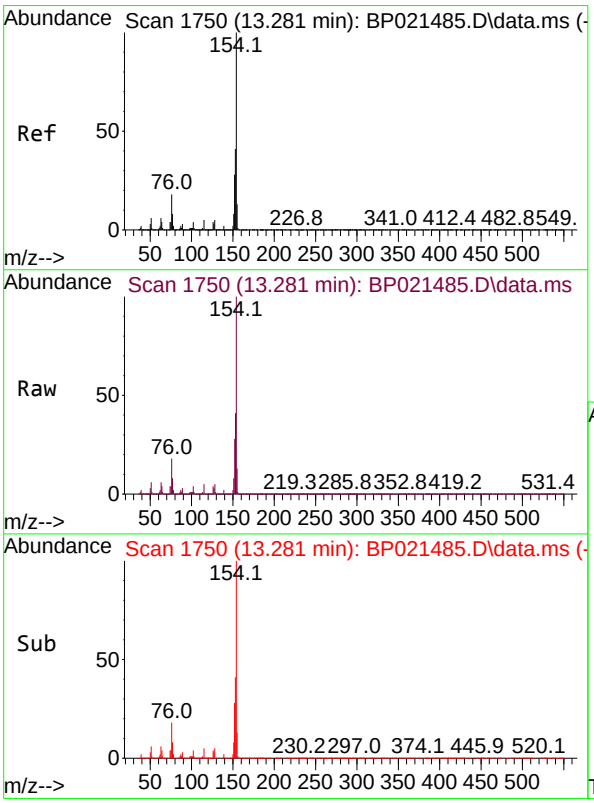
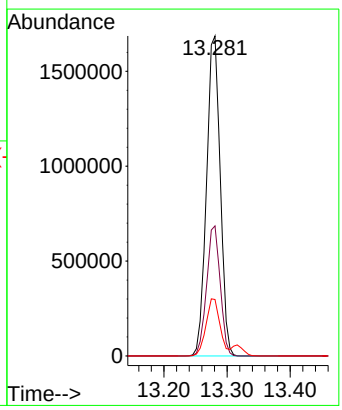
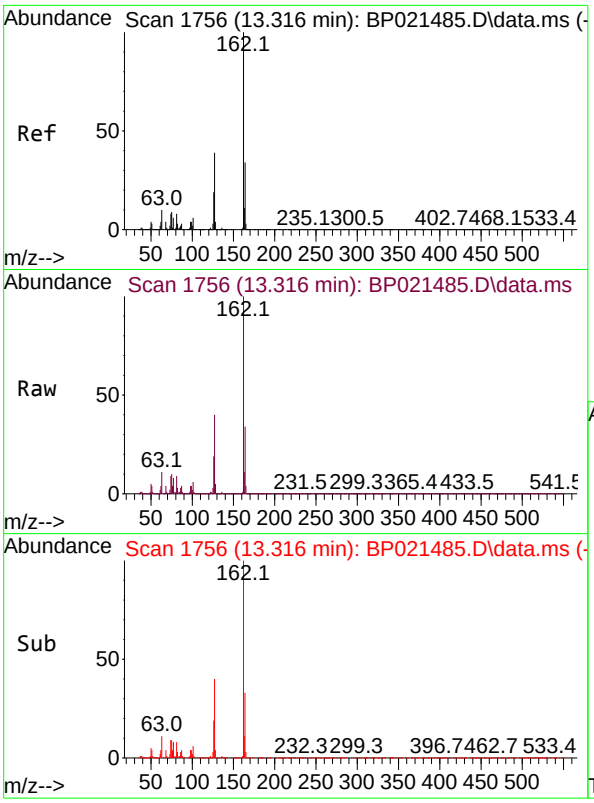


#46
1,1'-Biphenyl
Concen: 40.370 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 2542708

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	17.7	0.0	37.7

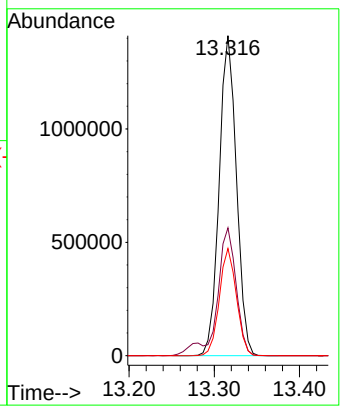




#47
2-Chloronaphthalene
Concen: 40.538 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:162 Resp: 198783

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.5	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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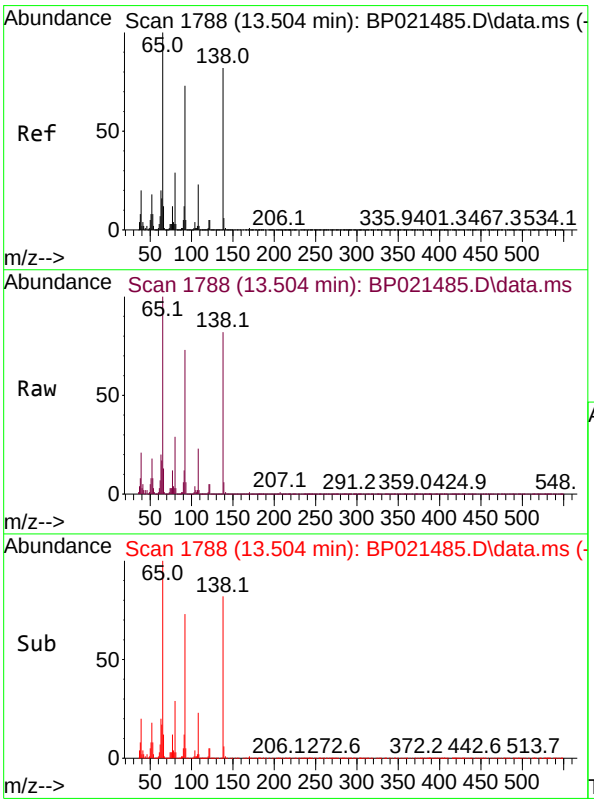
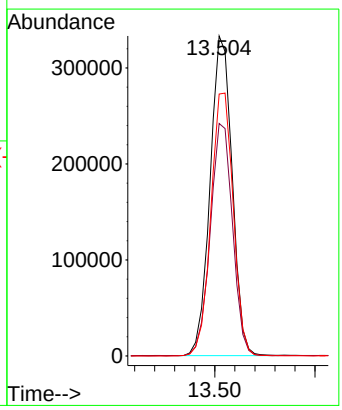
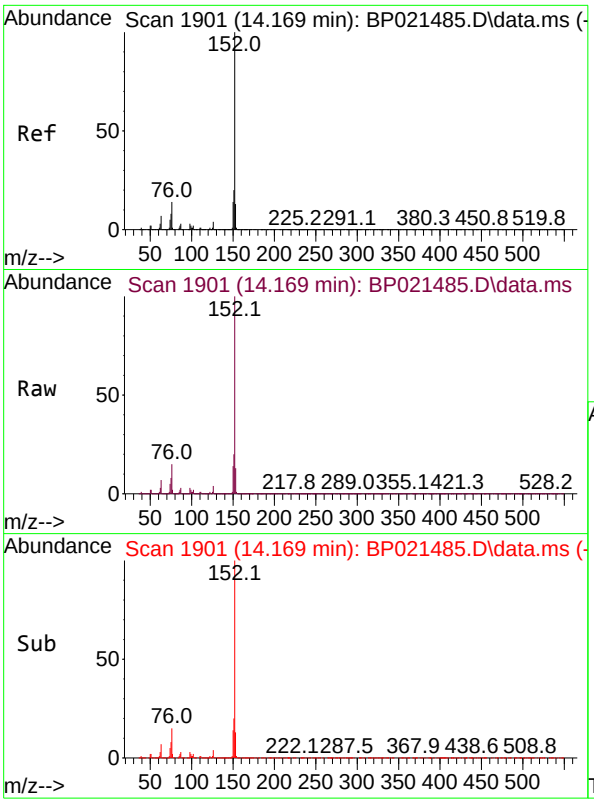


#48
2-Nitroaniline
Concen: 38.074 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 65 Resp: 506883

Ion	Ratio	Lower	Upper
65	100		
92	72.6	58.1	87.1
138	81.9	65.5	98.3





#49
Acenaphthylene
Concen: 40.630 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 292881

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

Manual Integrations
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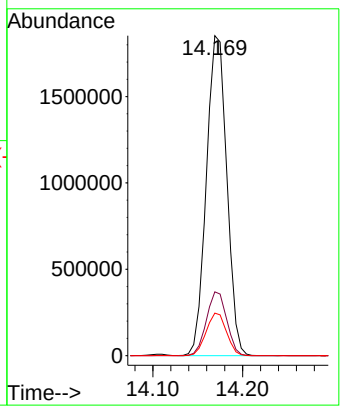
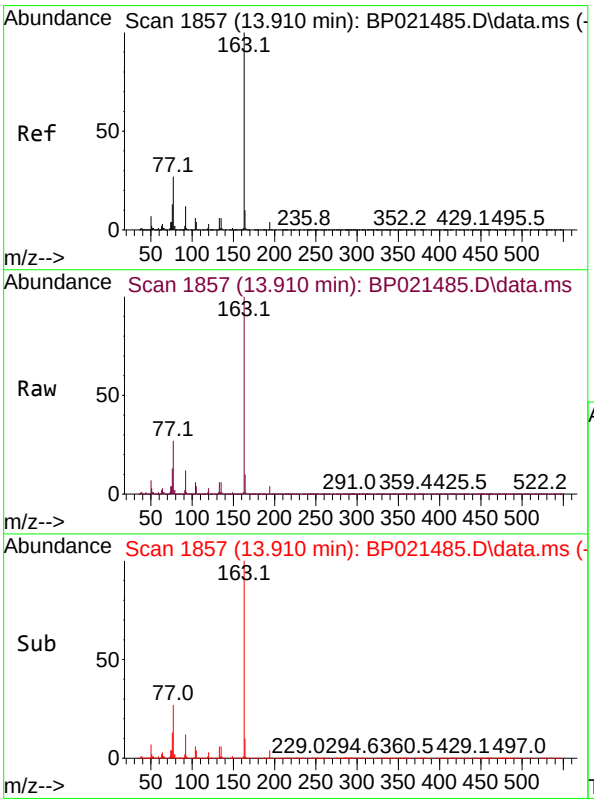
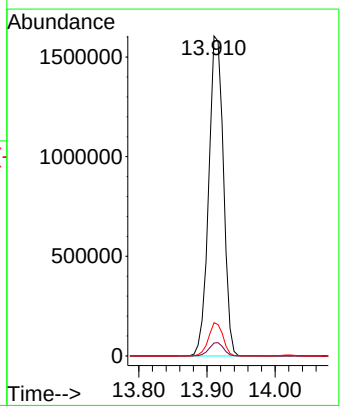


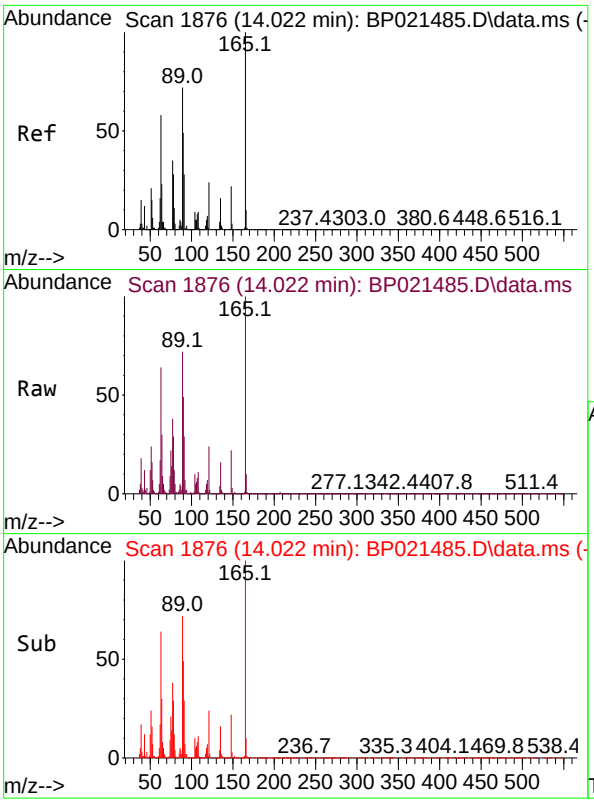


#50
Dimethylphthalate
Concen: 40.392 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:163 Resp: 2408078

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.3	12.5

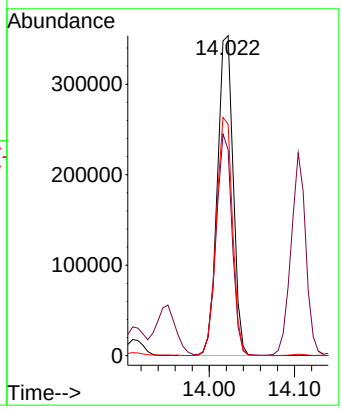




#51
2,6-Dinitrotoluene
Concen: 38.650 ng
RT: 14.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 45468

Ion	Ratio	Lower	Upper
165	100		
63	64.4	51.5	77.3
89	72.3	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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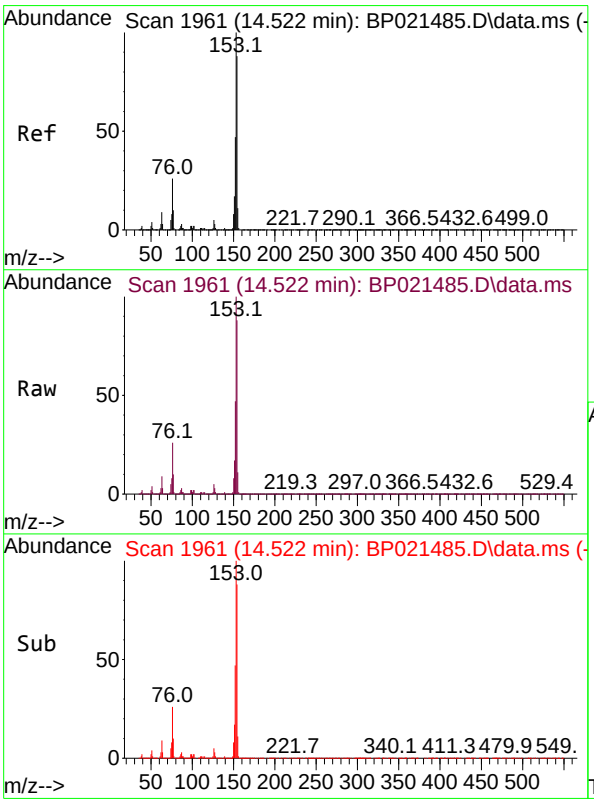
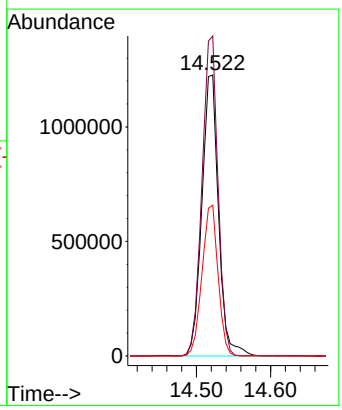
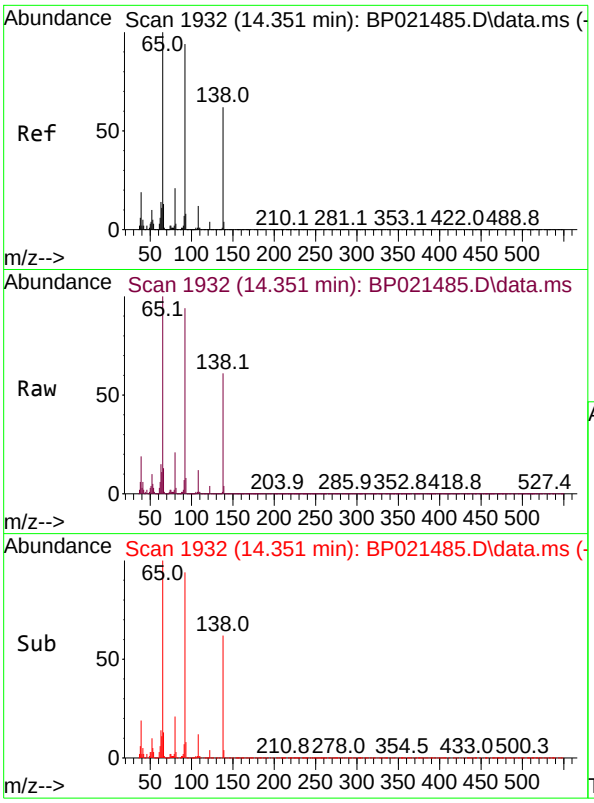


#52
Acenaphthene
Concen: 40.406 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 1911119

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.1	136.7
152	53.7	43.0	64.4

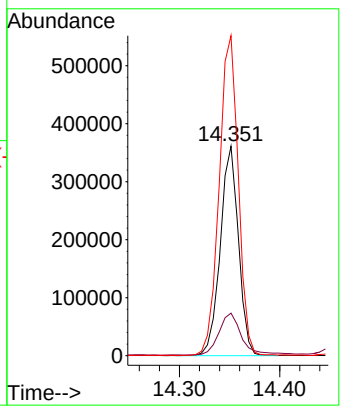




#53
3-Nitroaniline
Concen: 39.107 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:138 Resp: 45293

Ion	Ratio	Lower	Upper
138	100		
108	20.3	16.2	24.4
92	152.8	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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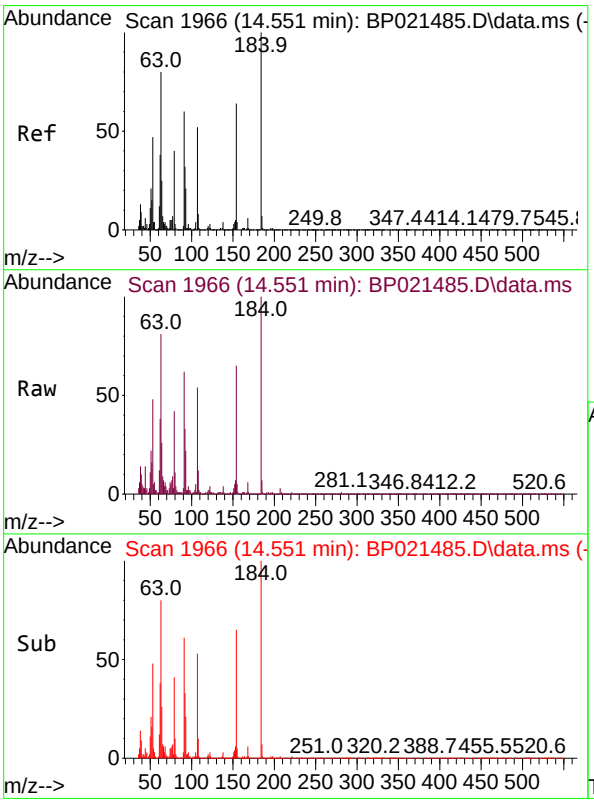
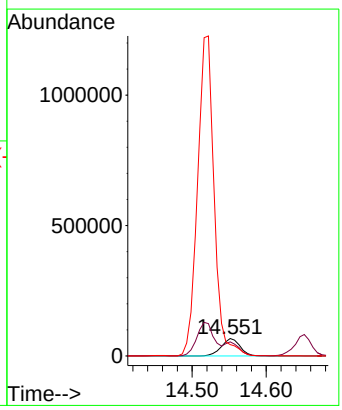
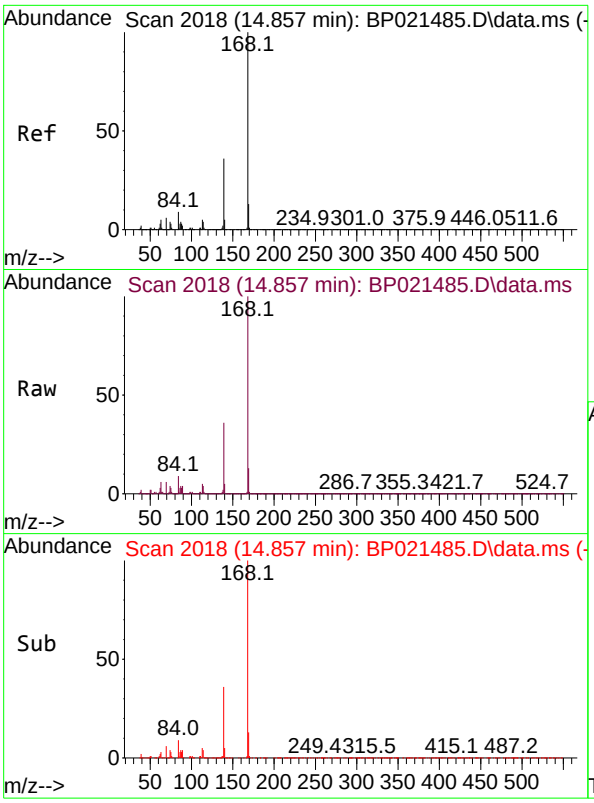


#54
2,4-Dinitrophenol
Concen: 38.943 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 116797

Ion	Ratio	Lower	Upper
184	100		
63	81.1	64.9	97.3
154	65.1	52.1	78.1





#55
Dibenzofuran
Concen: 40.359 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 293651

Ion	Ratio	Lower	Upper
168	100		
139	35.8	28.6	43.0
169	13.3	10.6	16.0

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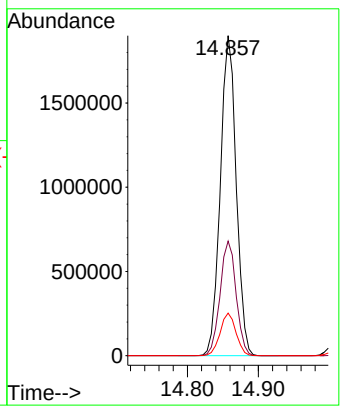
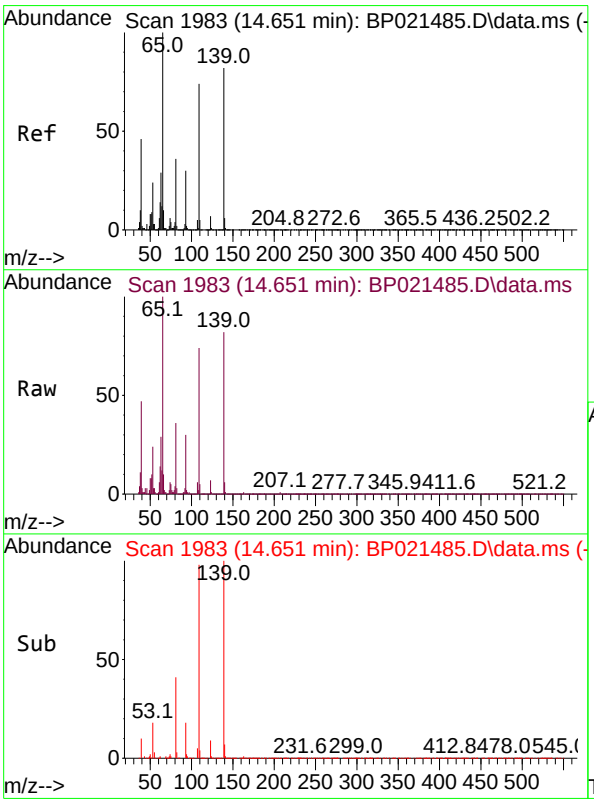
Supervised By :mohammad ahmed 08/14/2024

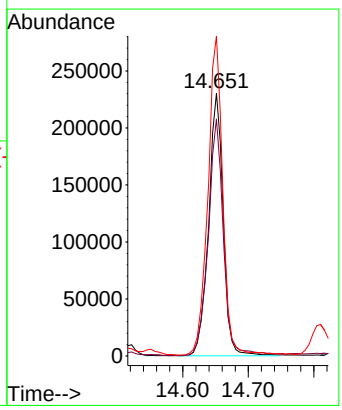


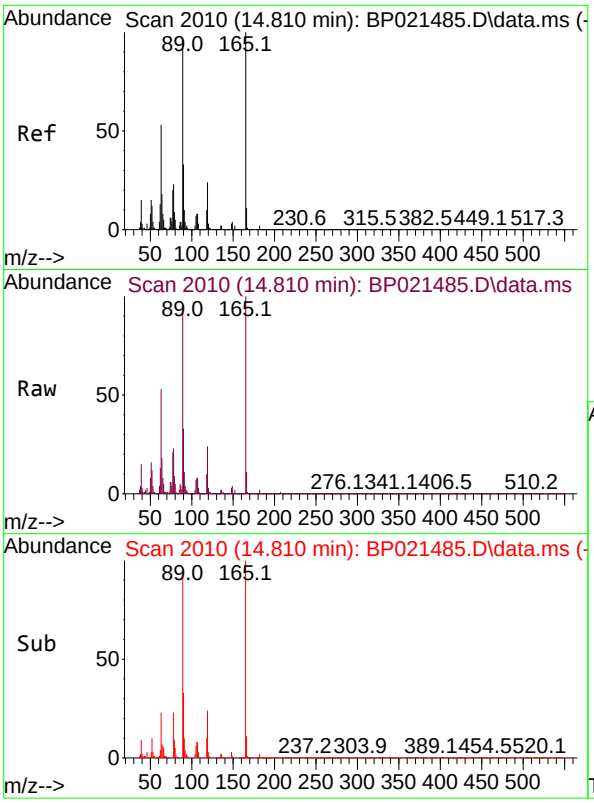


#56
4-Nitrophenol
Concen: 39.073 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 358912

Ion	Ratio	Lower	Upper
139	100		
109	90.2	70.2	110.2
65	121.8	101.8	141.8

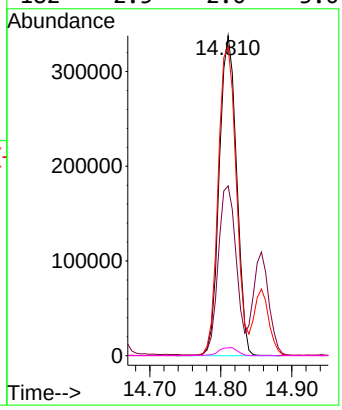




#57
2,4-Dinitrotoluene
Concen: 38.397 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 57022

Ion	Ratio	Lower	Upper
165	100		
63	53.1	42.5	63.7
89	96.4	77.1	115.7
182	2.5	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
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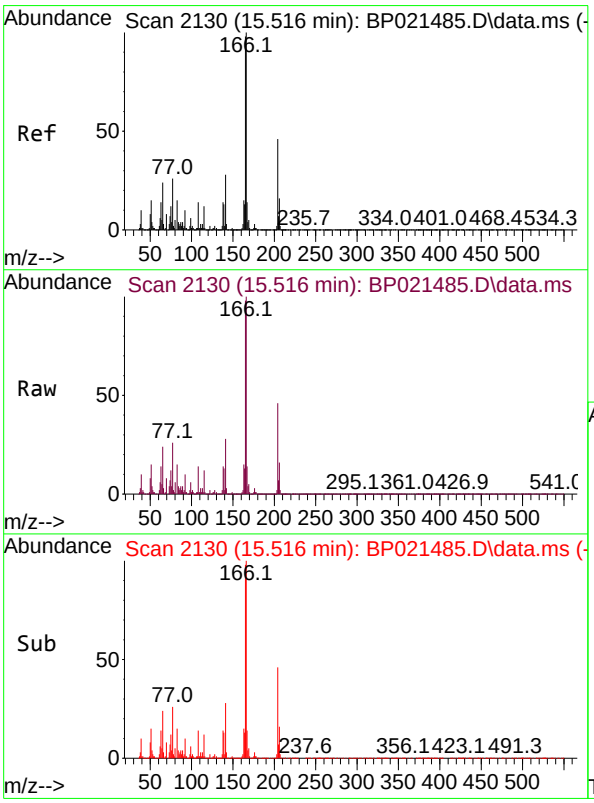
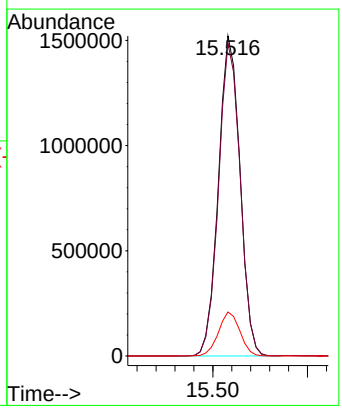
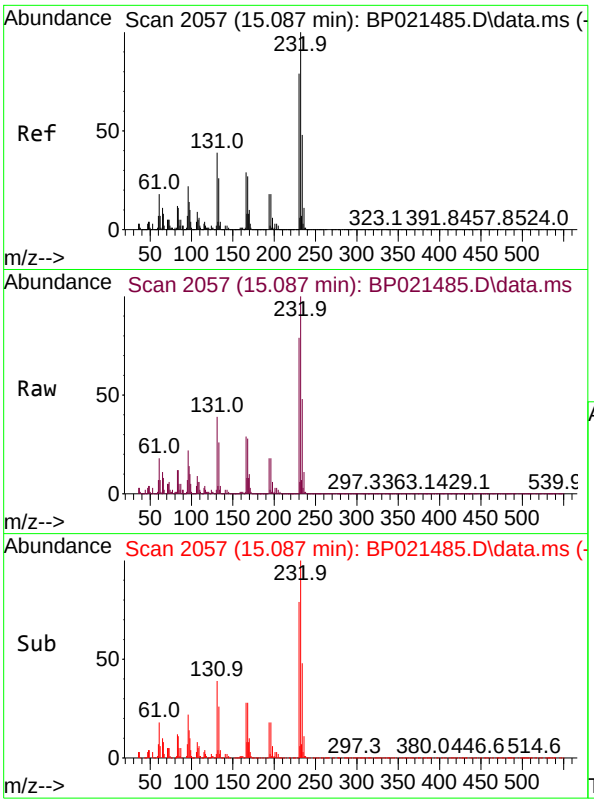


#58
Fluorene
Concen: 40.326 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:166 Resp: 2410461

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.7	11.0	16.4

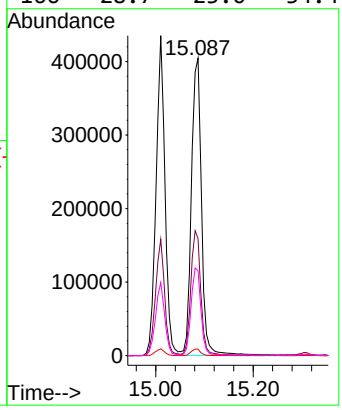




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.766 ng
RT: 15.087 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:232 Resp: 58435

Ion	Ratio	Lower	Upper
232	100		
131	41.4	33.1	49.7
130	2.1	1.7	2.5
166	28.7	23.0	34.4



Instrument :
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ClientSampleId :
SSTDICCC040

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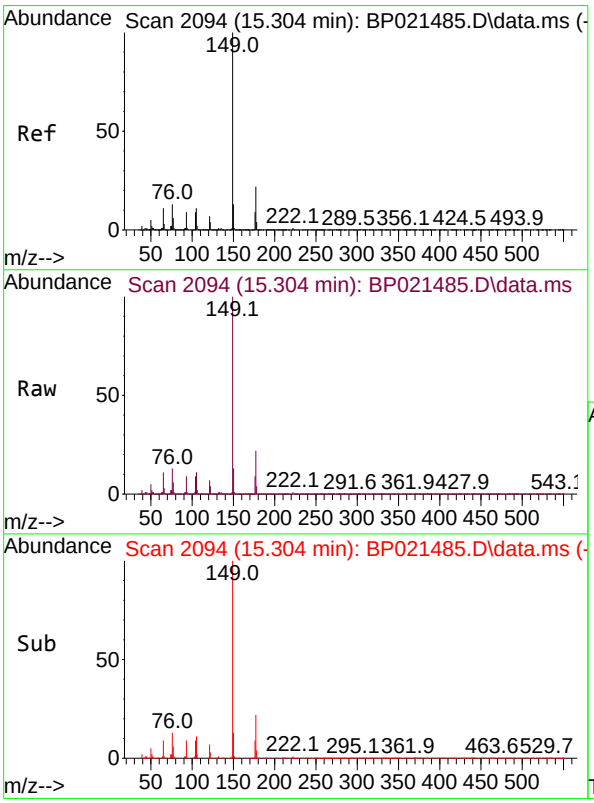
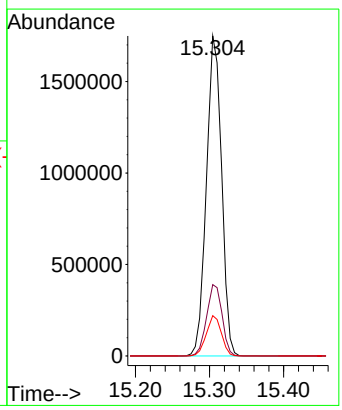
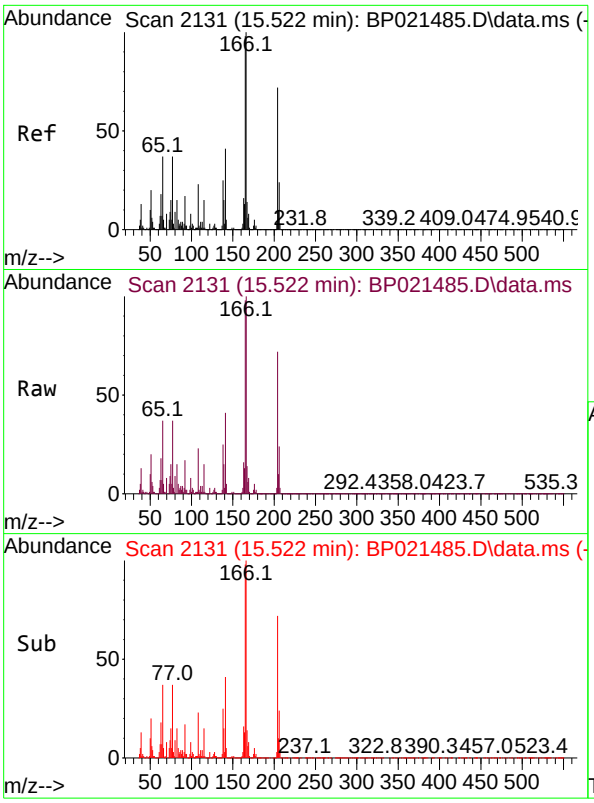


#60
Diethylphthalate
Concen: 40.656 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2486968

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.6	10.1	15.1

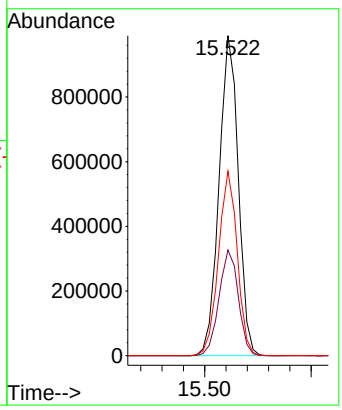




#61
4-Chlorophenyl-phenylether
Concen: 40.022 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:204 Resp: 123657

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	57.6	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
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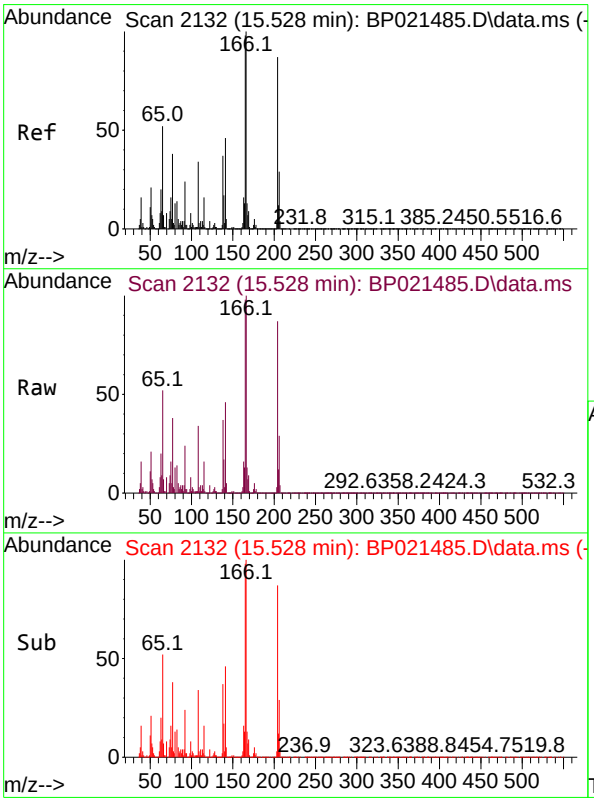
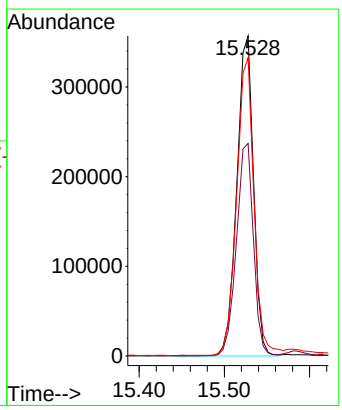
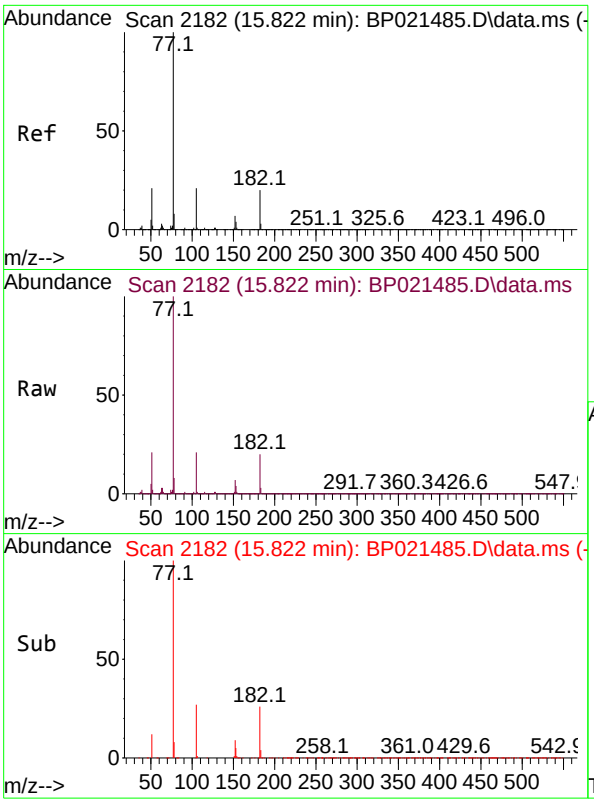


#62
4-Nitroaniline
Concen: 40.451 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:138 Resp: 485672

Ion	Ratio	Lower	Upper
138	100		
92	66.4	46.4	86.4
108	93.2	73.2	113.2





#63
Azobenzene
Concen: 40.594 ng
RT: 15.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 305244

Ion	Ratio	Lower	Upper
77	100		
182	19.9	0.0	39.9
105	20.9	0.9	40.9
51	21.4	1.4	41.4

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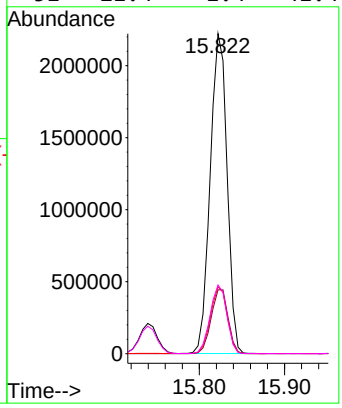
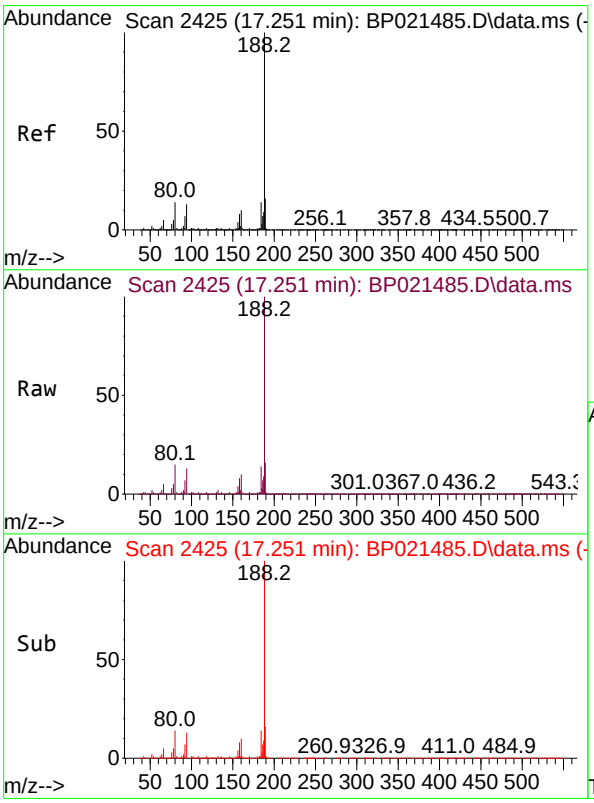
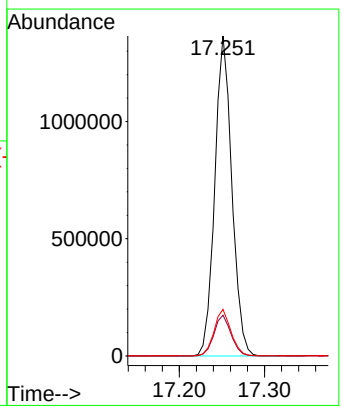


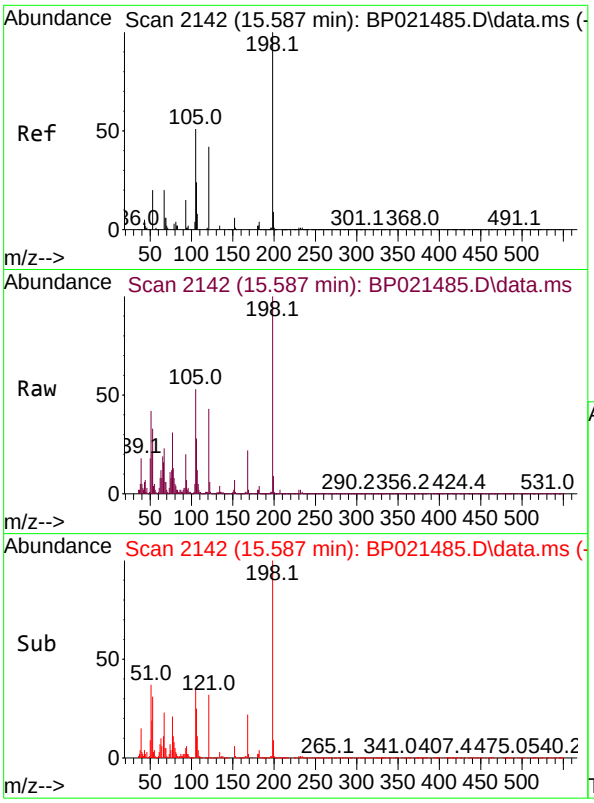


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:188 Resp: 1905279

Ion	Ratio	Lower	Upper
188	100		
94	12.8	10.2	15.4
80	14.5	11.6	17.4

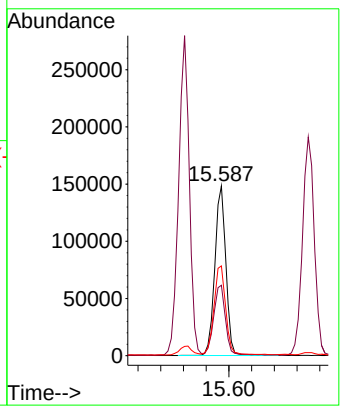




#65
4,6-Dinitro-2-methylphenol
Concen: 38.603 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:198 Resp: 19915

Ion	Ratio	Lower	Upper
198	100		
51	41.5	21.5	61.5
105	52.9	32.9	72.9



Instrument :
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ClientSampleId :
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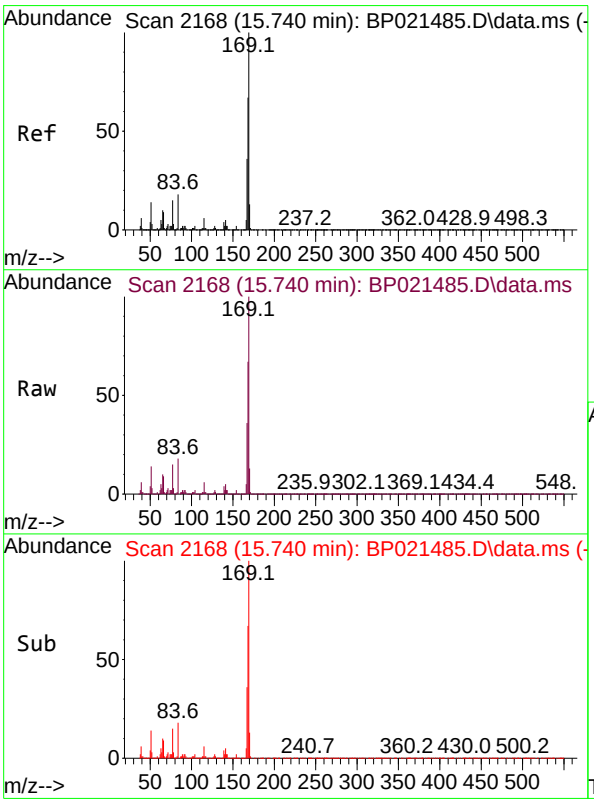
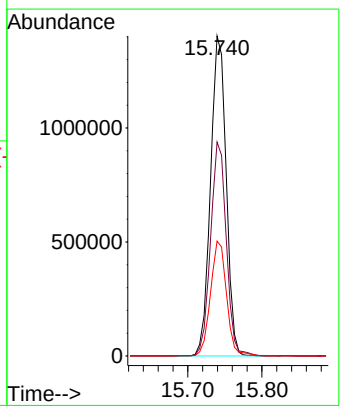
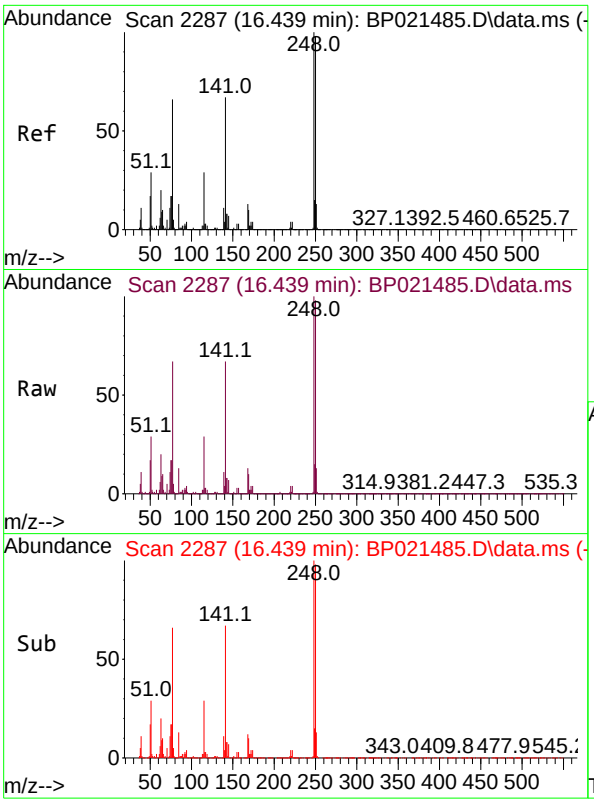


#66
n-Nitrosodiphenylamine
Concen: 40.175 ng
RT: 15.740 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:169 Resp: 2051265

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.9	28.7	43.1

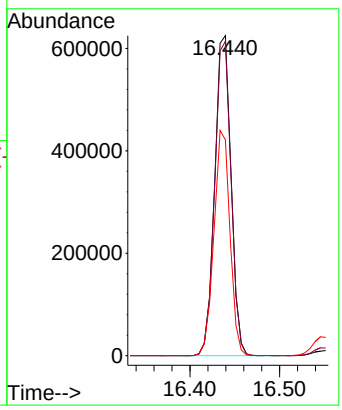




#67
4-Bromophenyl-phenylether
Concen: 39.211 ng
RT: 16.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:248 Resp: 79067

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	67.4	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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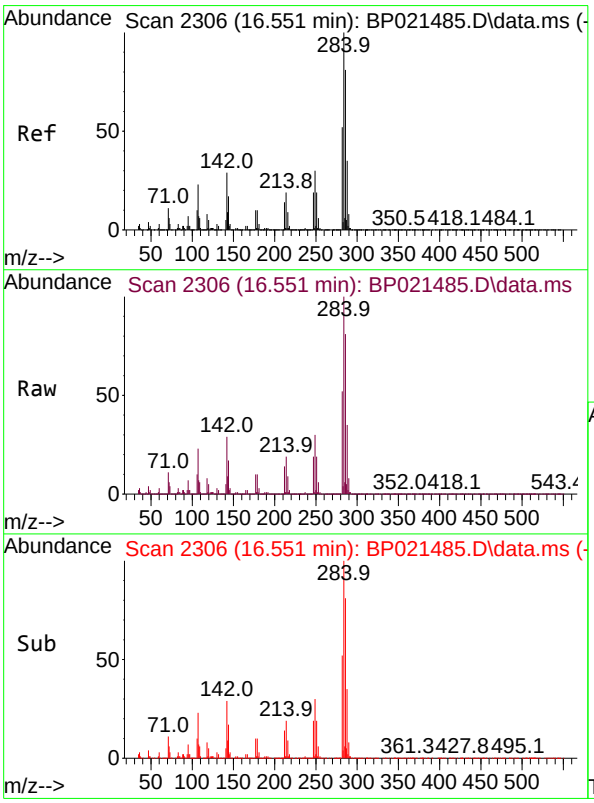
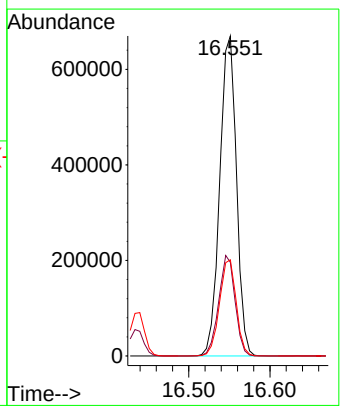
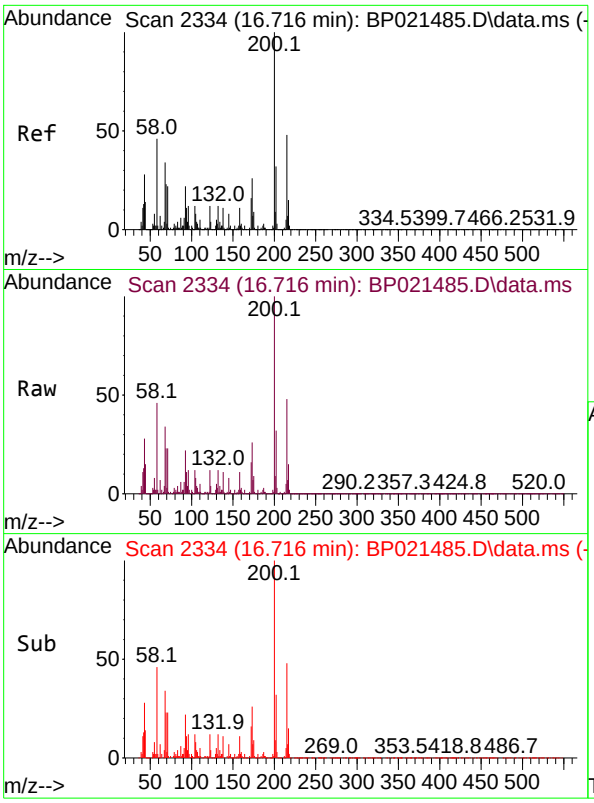


#68
Hexachlorobenzene
Concen: 40.240 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:284 Resp: 958921

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1





#69
Atrazine
Concen: 41.419 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:200 Resp: 72607

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	48.4	28.4	68.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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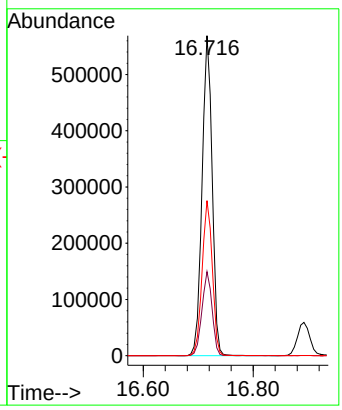
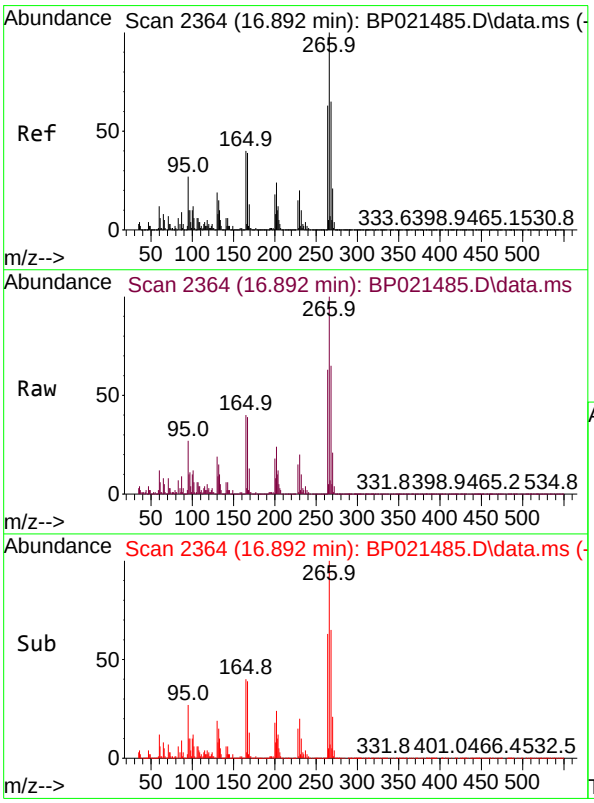
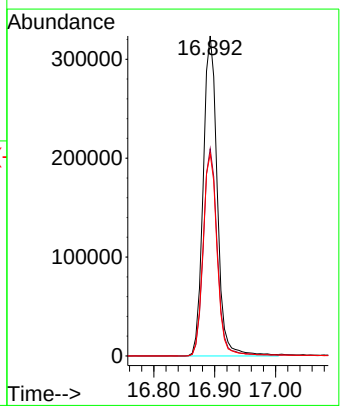


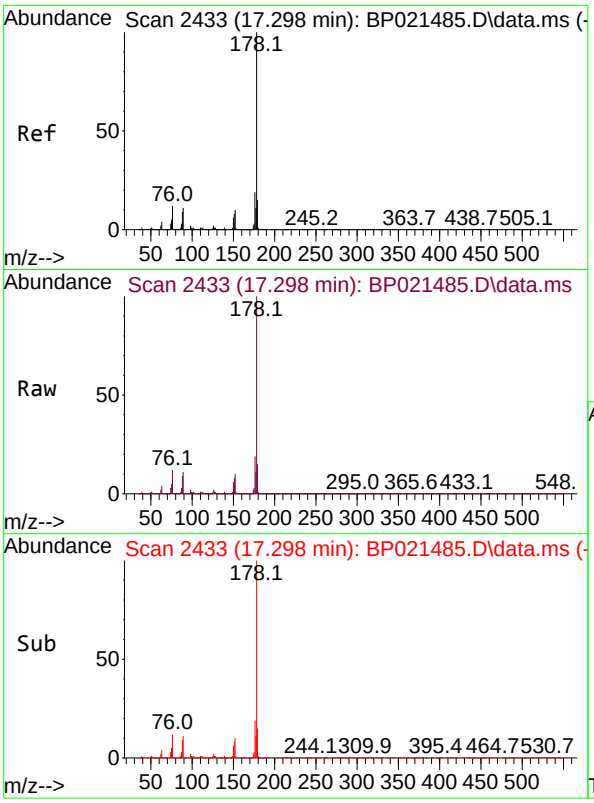


#70
Pentachlorophenol
Concen: 40.011 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:266 Resp: 520400

Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.8	77.6
264	63.1	50.5	75.7

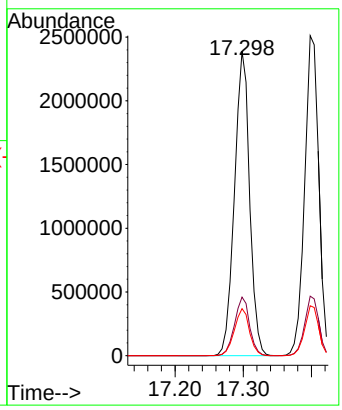




#71
Phenanthrene
Concen: 40.150 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:178 Resp: 367886

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.4	18.6



Instrument :
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ClientSampleId :
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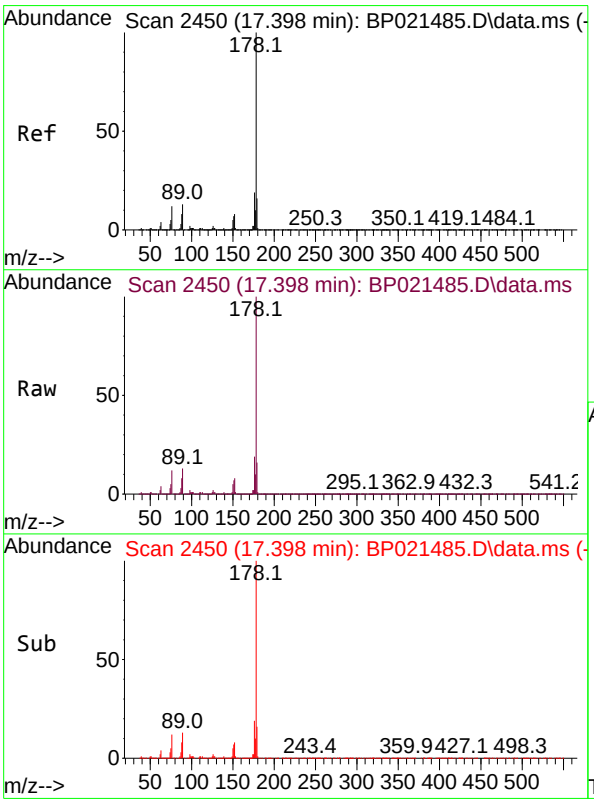
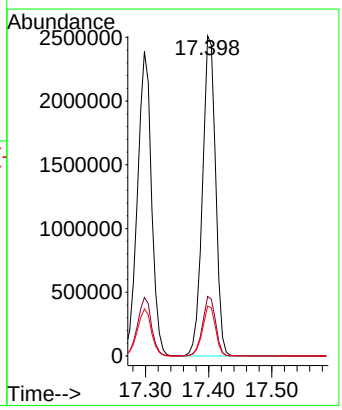
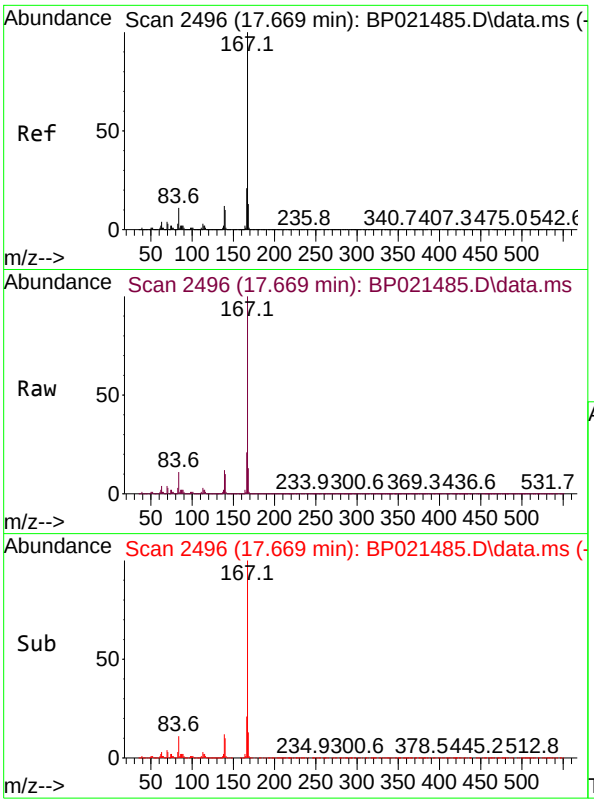


#72
Anthracene
Concen: 40.283 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:178 Resp: 3619950

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7

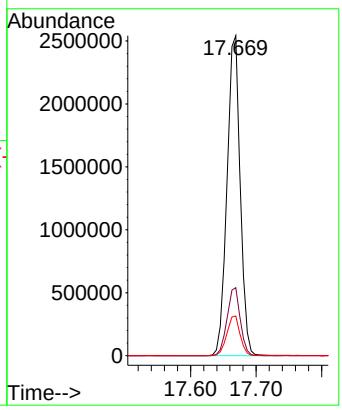




#73
Carbazole
Concen: 40.912 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:167 Resp: 354308

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.4	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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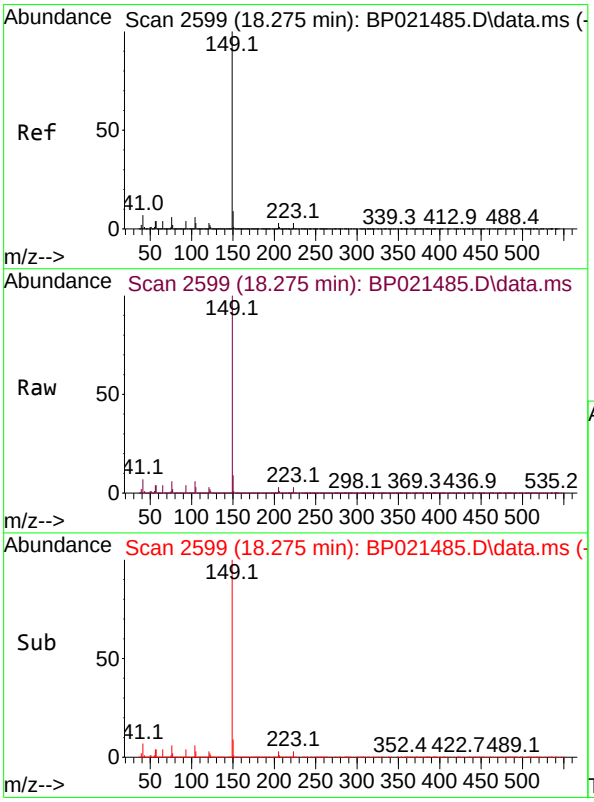
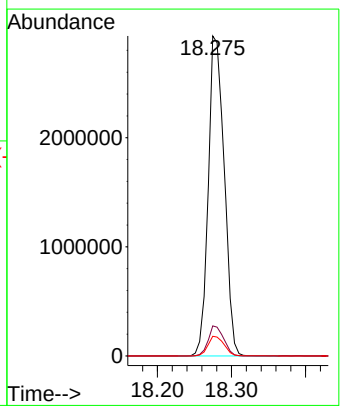
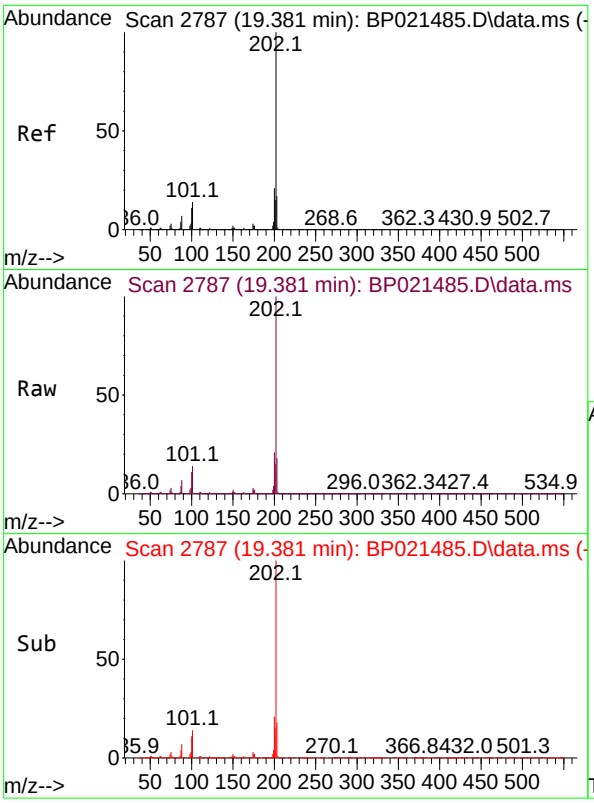


#74
Di-n-butylphthalate
Concen: 41.170 ng
RT: 18.275 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 4378720

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.1	4.9	7.3

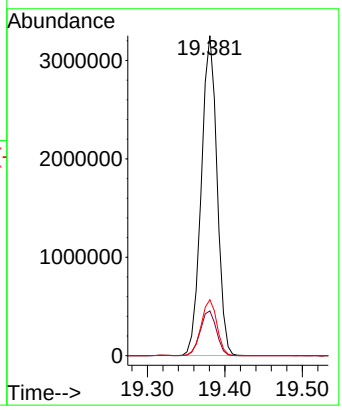




#75
Fluoranthene
Concen: 40.674 ng
RT: 19.381 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 457288

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.5	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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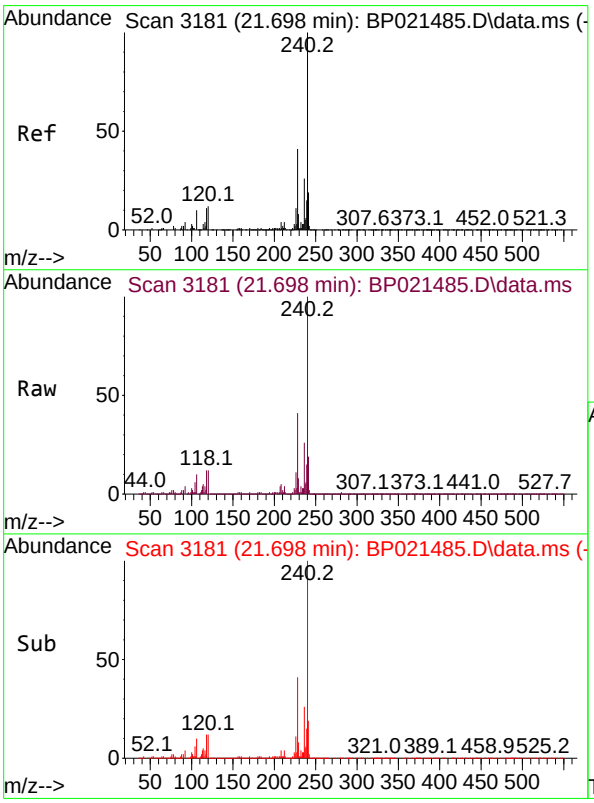
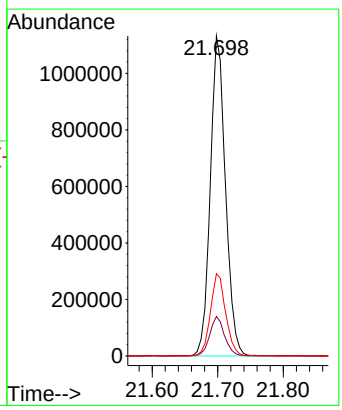
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

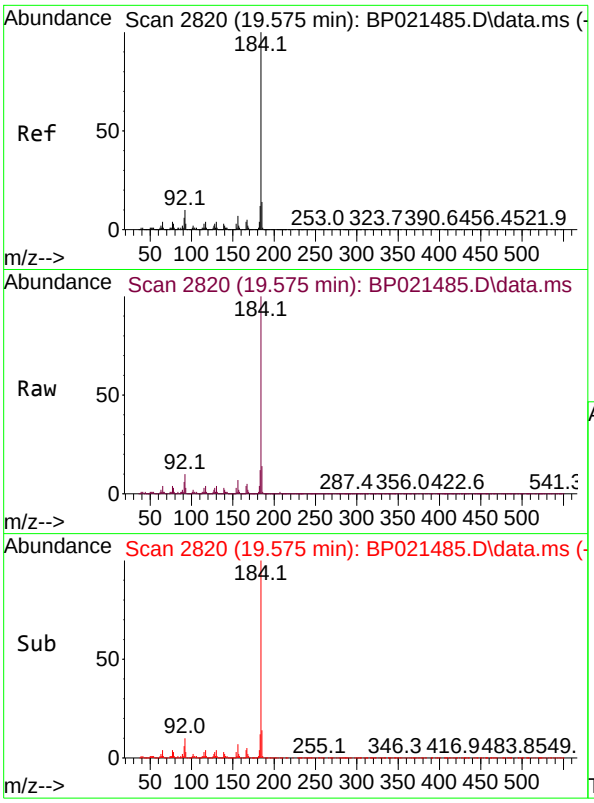


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:240 Resp: 1820074

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.9	14.9
236	25.7	20.6	30.8

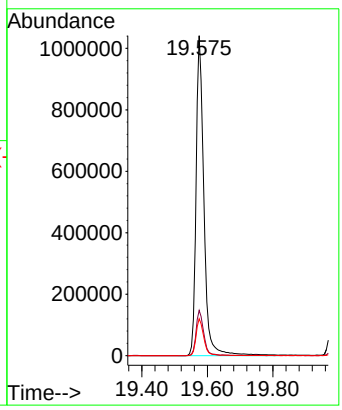




#77
Benzidine
Concen: 41.023 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 173510

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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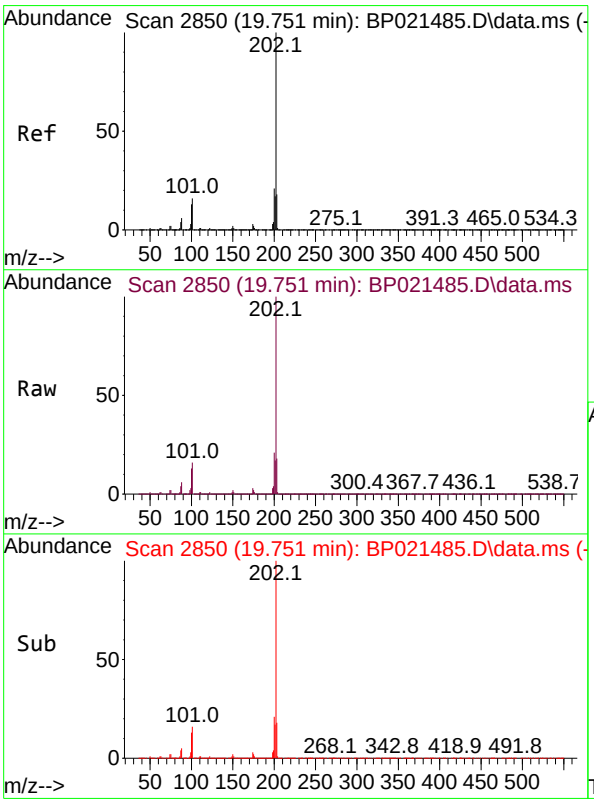
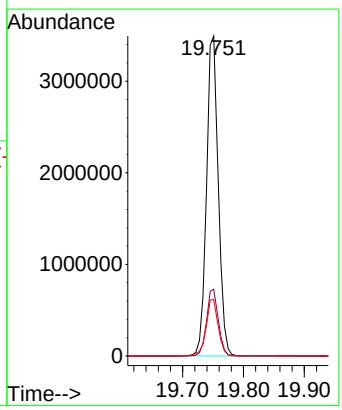
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

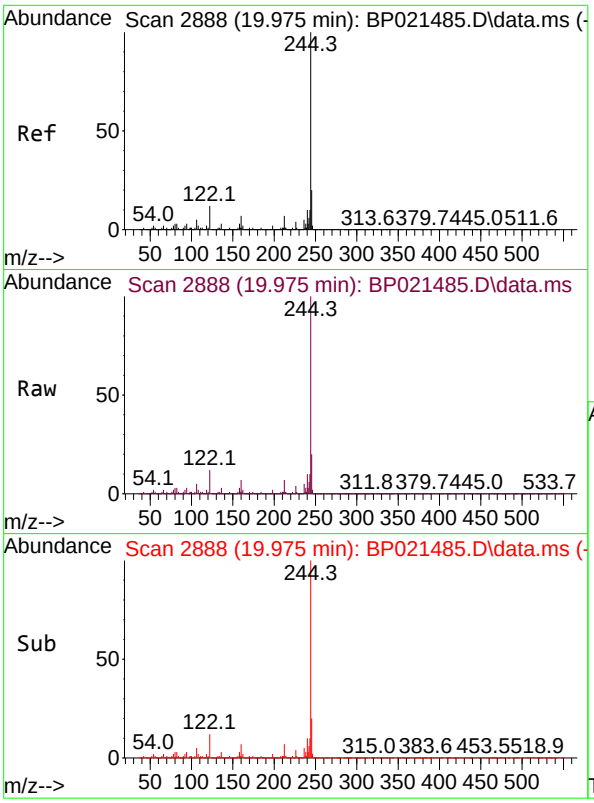


#78
Pyrene
Concen: 39.461 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 4694393

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

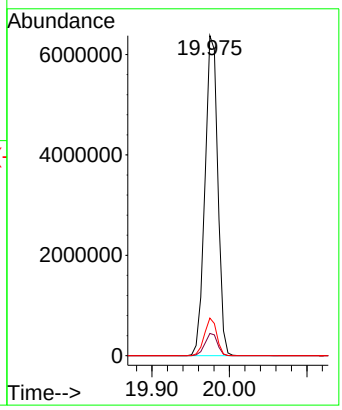




#79
Terphenyl-d14
Concen: 78.155 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:244 Resp: 732205

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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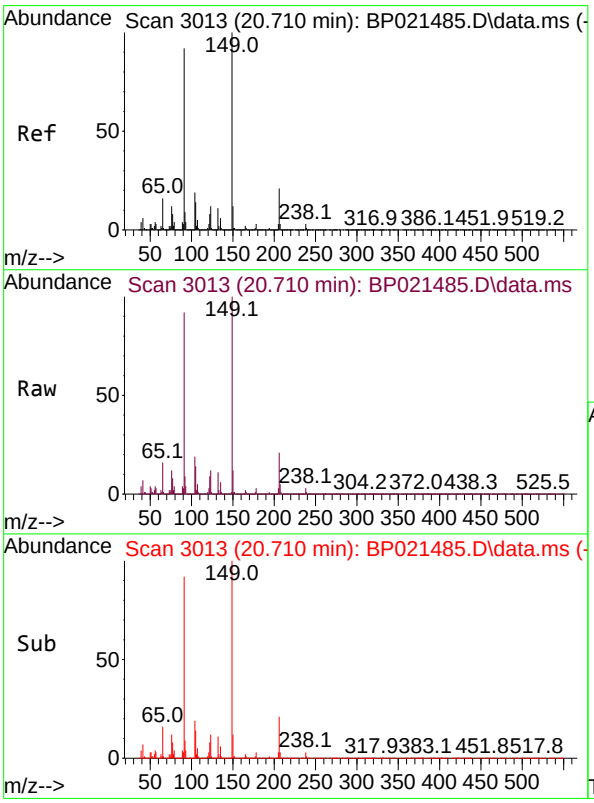
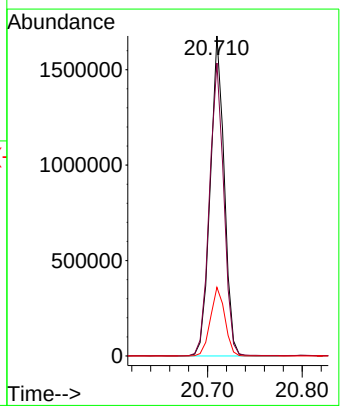
Supervised By :mohammad ahmed 08/14/2024

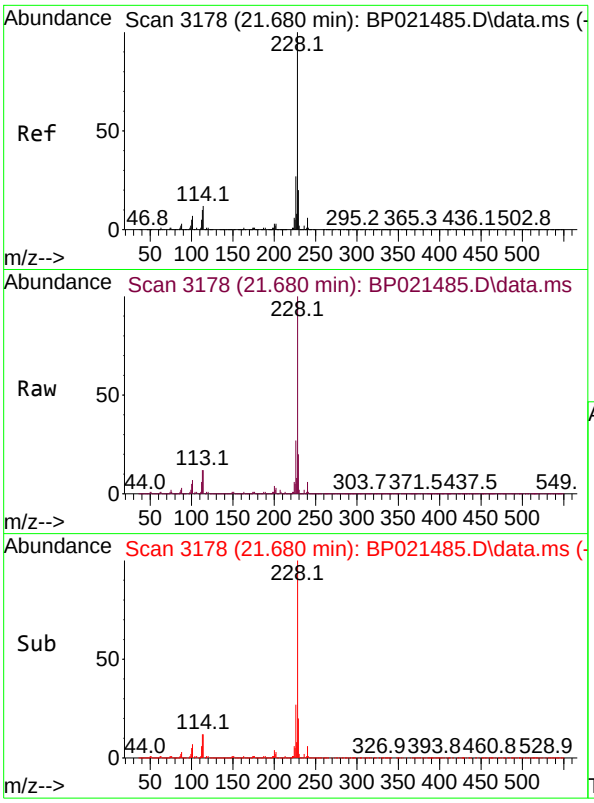


#80
Butylbenzylphthalate
Concen: 38.676 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 1712106

Ion	Ratio	Lower	Upper
149	100		
91	91.6	73.3	109.9
206	21.4	17.1	25.7

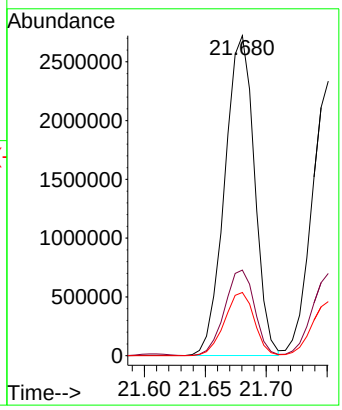




#81
Benzo(a)anthracene
Concen: 40.395 ng
RT: 21.680 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:228 Resp: 461538

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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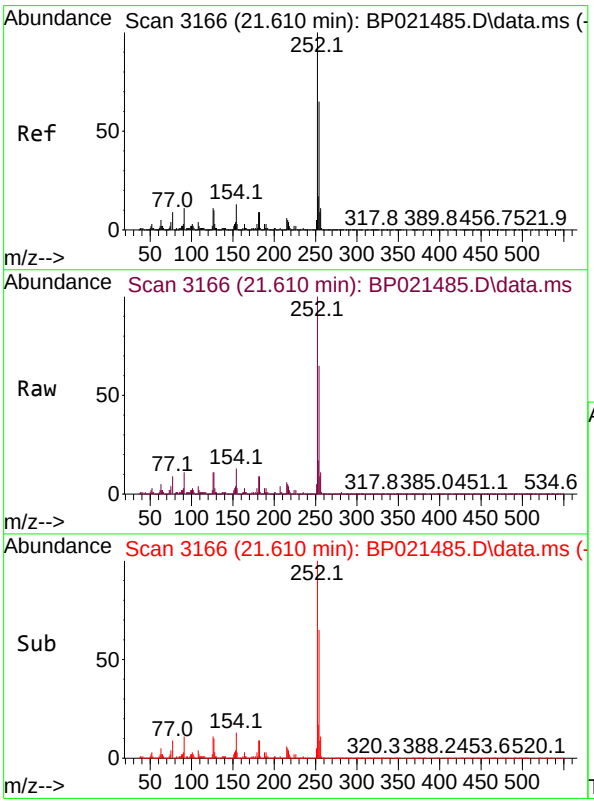
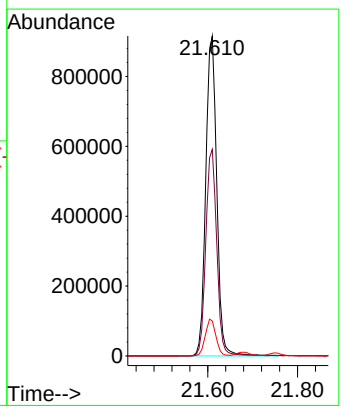
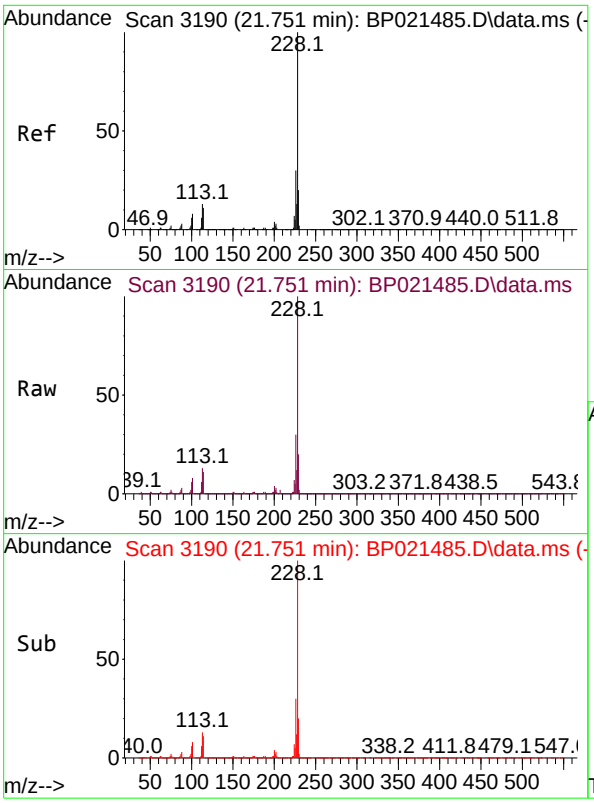


#82
3,3'-Dichlorobenzidine
Concen: 42.572 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 1559563

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	10.9	8.7	13.1

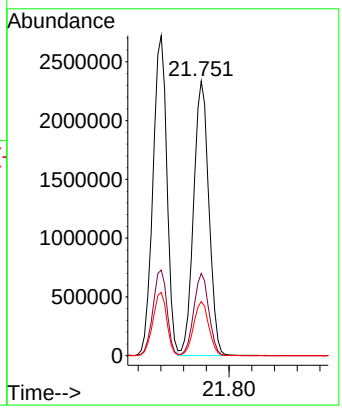




#83
Chrysene
Concen: 40.405 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:228 Resp: 435869

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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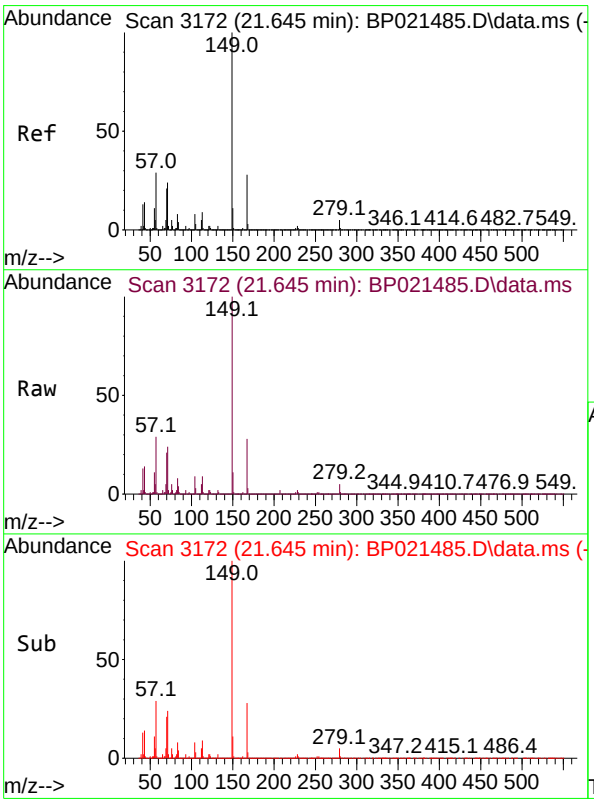
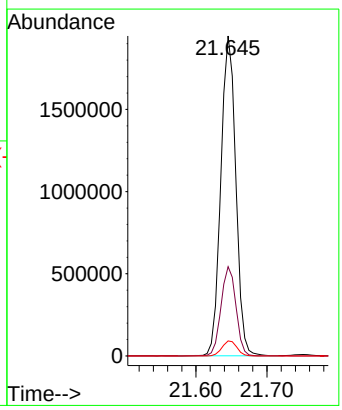
Supervised By :mohammad ahmed 08/14/2024

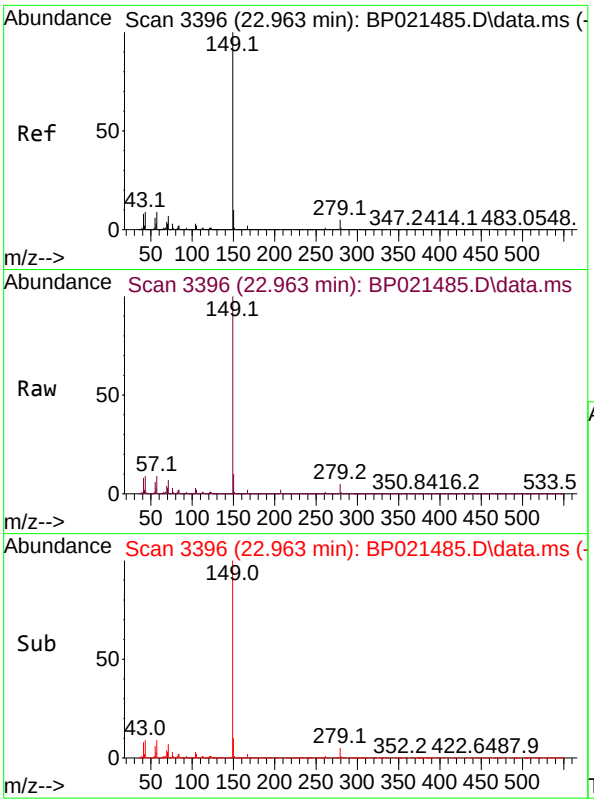


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.082 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2841806

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 39.238 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 453821

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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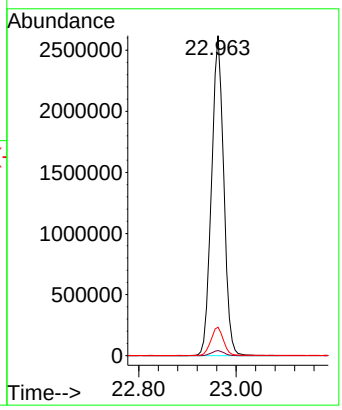
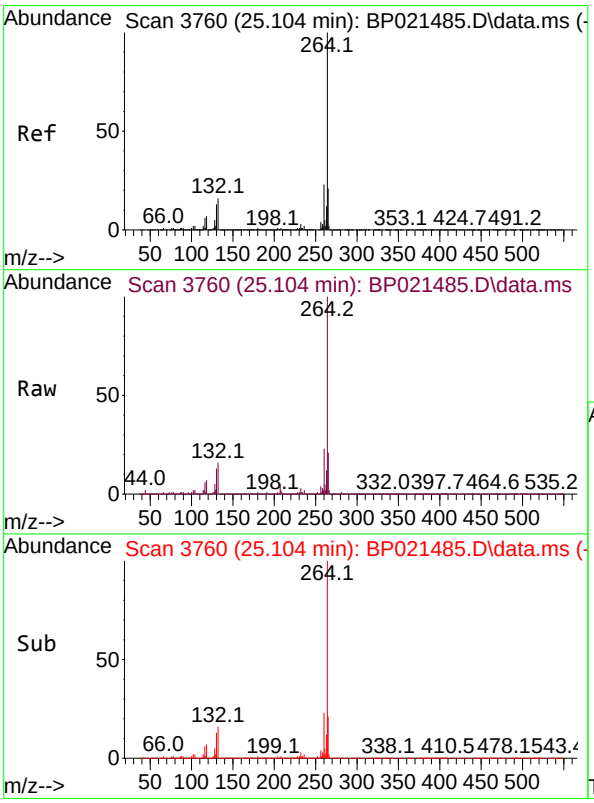
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

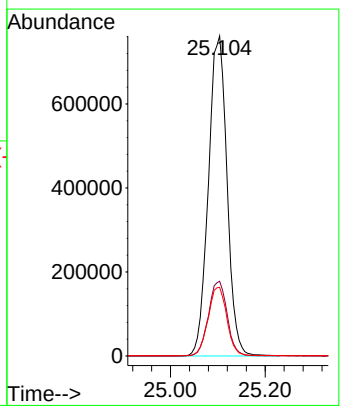


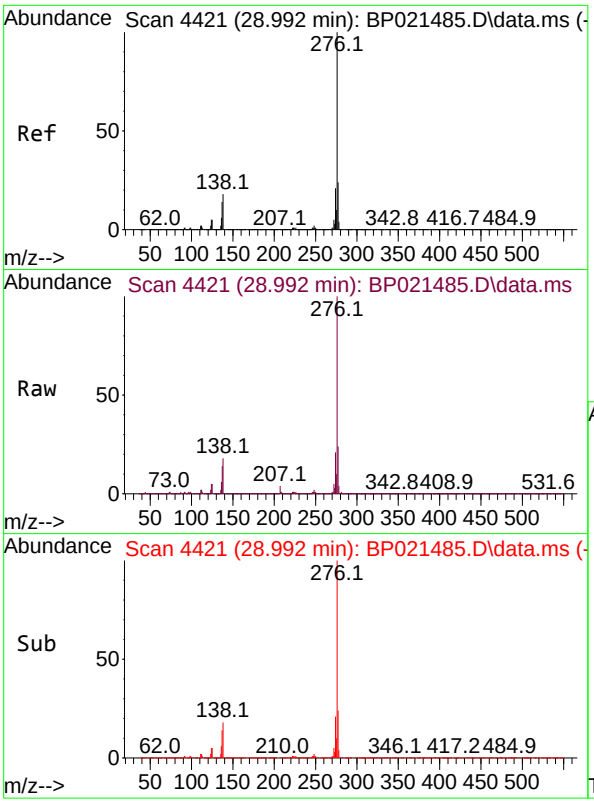


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.104 min Scan# 3760
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:264 Resp: 2085332

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.4	17.1	25.7

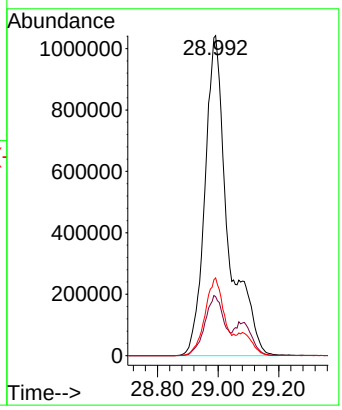




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.941 ng m
RT: 28.992 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 553354

Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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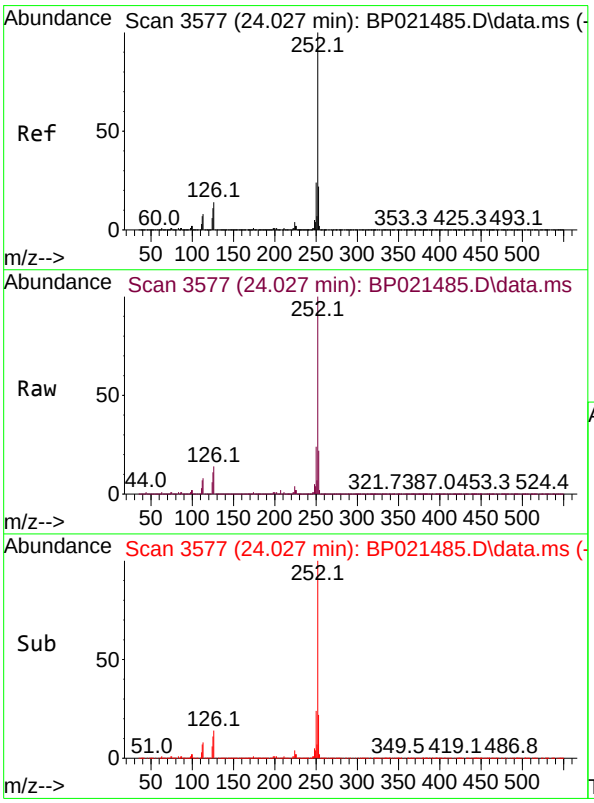
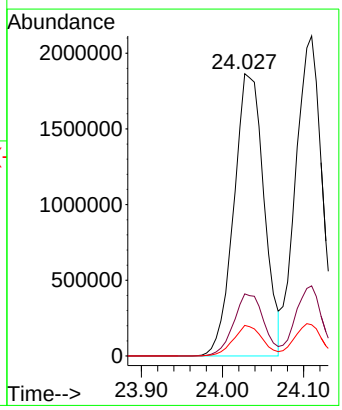
Supervised By :mohammad ahmed 08/14/2024

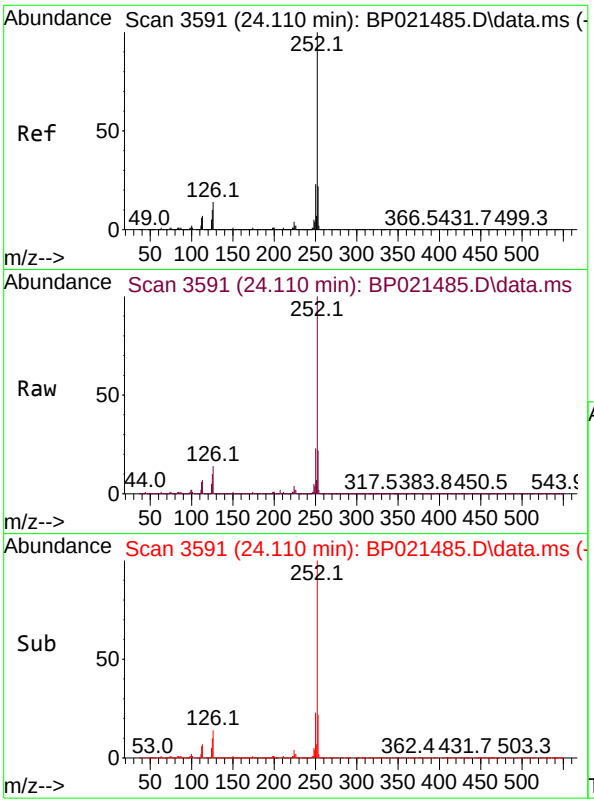


#88
Benzo(b)fluoranthene
Concen: 40.211 ng
RT: 24.027 min Scan# 3577
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4815875

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.8	8.6	13.0

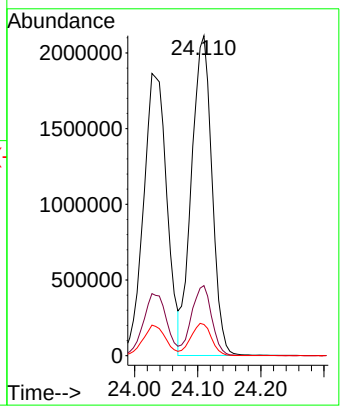




#89
Benzo(k)fluoranthene
Concen: 40.717 ng
RT: 24.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 475700

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.8	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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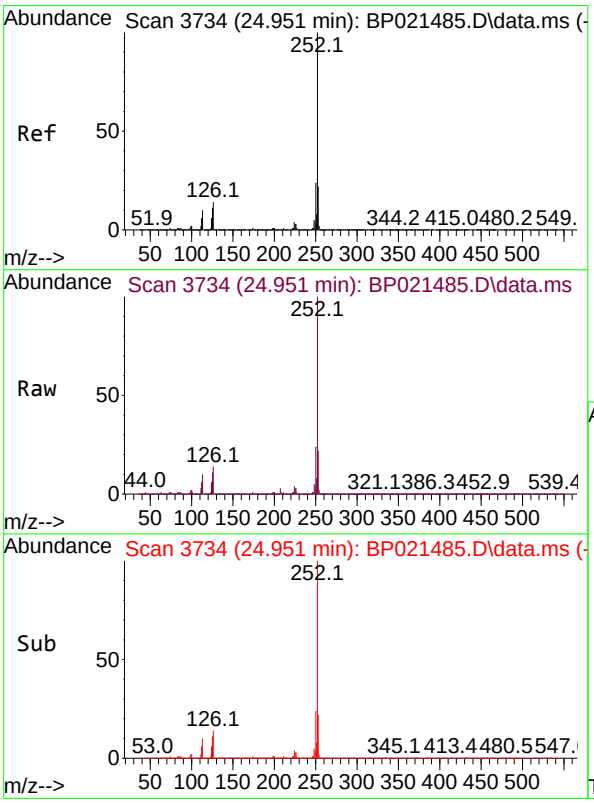
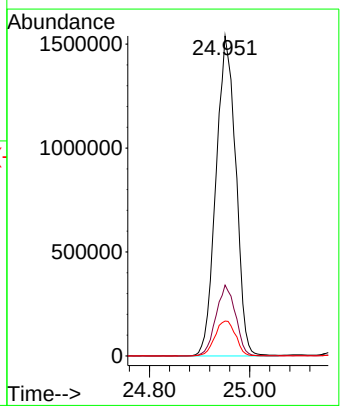
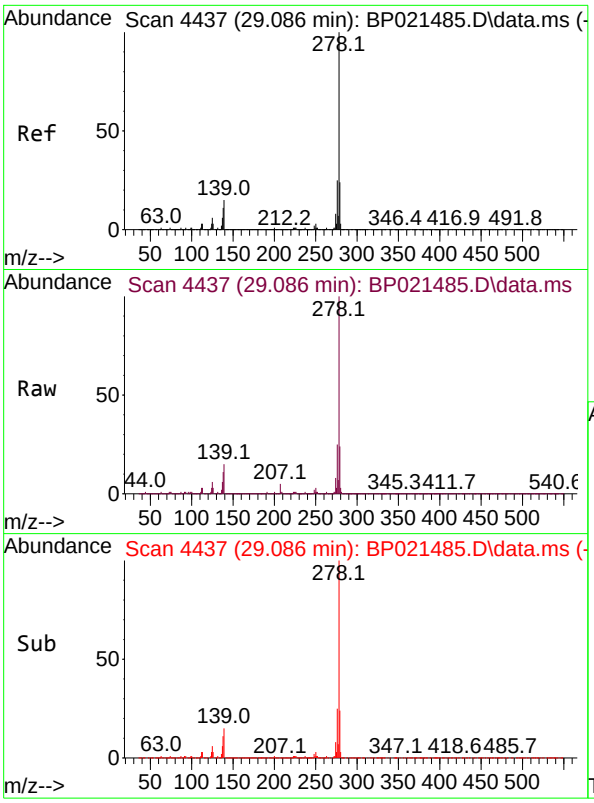


#90
Benzo(a)pyrene
Concen: 40.616 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4221348

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	8.7	13.1

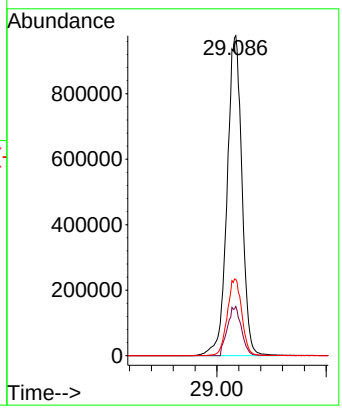




#91
Dibenzo(a,h)anthracene
Concen: 40.908 ng
RT: 29.086 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:278 Resp: 459455

Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.2	18.4
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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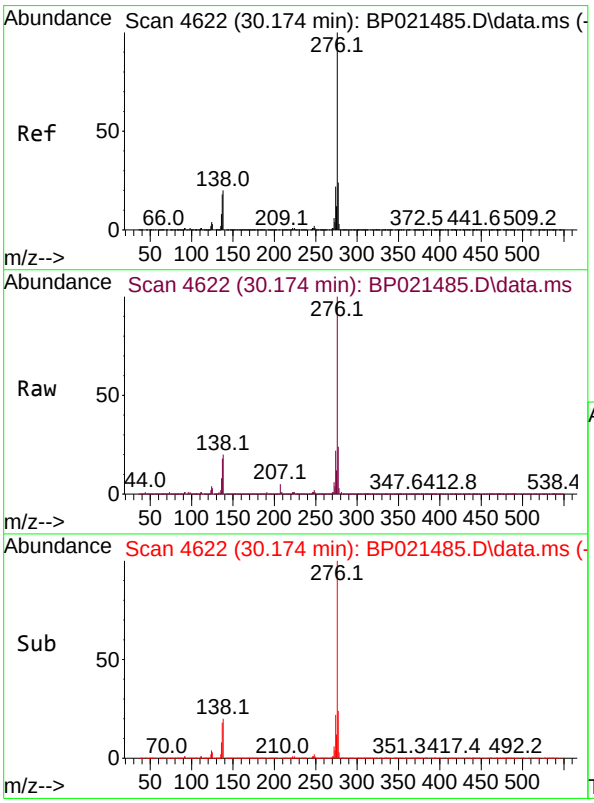
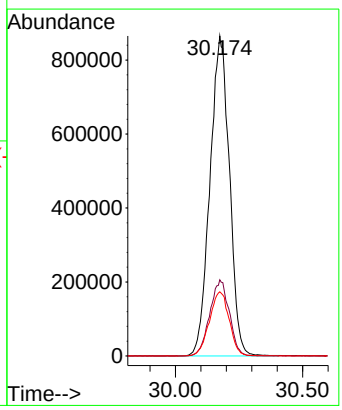
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 40.824 ng
RT: 30.174 min Scan# 4622
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 4595577

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.0	16.0	24.0



Quantitation Report (QT Reviewed)

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Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	410033	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1728756	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	1119203	20.000	ng	-0.01
64) Phenanthrene-d10	17.257	188	2278560	20.000	ng	0.00
76) Chrysene-d12	21.710	240	2093381	20.000	ng	0.01
86) Perylene-d12	25.121	264	2377136	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2713912	98.280	ng	0.00
7) Phenol-d6	6.964	99	4004371	99.407	ng	0.00
23) Nitrobenzene-d5	8.958	82	3559213	106.266	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1295133	103.974	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	7073510	96.455	ng	0.00
79) Terphenyl-d14	19.981	244	10188627	94.554	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	614292	46.916	ng	99
3) Pyridine	3.705	79	1785033m	48.836	ng	
4) n-Nitrosodimethylamine	3.617	42	529008	48.151	ng	99
6) Aniline	7.134	93	1973018	48.993	ng	100
8) 2-Chlorophenol	7.369	128	1266906	49.646	ng	98
9) Benzaldehyde	6.946	77	1099572	42.632	ng	99
10) Phenol	6.987	94	2070173	49.628	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	1722098	48.789	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1457386	48.079	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1470548	48.044	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1411170	47.842	ng	99
15) Benzyl Alcohol	8.034	79	1452516	50.255	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1588042	48.854	ng	99
17) 2-Methylphenol	8.234	107	1308851	49.632	ng	99
18) Hexachloroethane	8.887	117	601480	49.004	ng	97
19) n-Nitroso-di-n-propyla...	8.611	70	1340426	48.171	ng	99
20) 3+4-Methylphenols	8.564	107	1777289	49.982	ng	98
22) Acetophenone	8.616	105	2552368	48.058	ng	99
24) Nitrobenzene	8.999	77	1881606	51.725	ng	98
25) Isophorone	9.522	82	3789274	47.889	ng	99
26) 2-Nitrophenol	9.705	139	464597	49.970	ng	98
27) 2,4-Dimethylphenol	9.763	122	956577	48.987	ng	98
28) bis(2-Chloroethoxy)met...	10.005	93	2342749	48.504	ng	100
29) 2,4-Dichlorophenol	10.234	162	1189252	51.545	ng	98
30) 1,2,4-Trichlorobenzene	10.458	180	1428575	48.296	ng	99
31) Naphthalene	10.646	128	4330348	47.949	ng	100
32) Benzoic acid	9.899	122	652668	50.213	ng	99
33) 4-Chloroaniline	10.746	127	1640026	48.345	ng	99
34) Hexachlorobutadiene	10.946	225	906501	48.672	ng	100
35) Caprolactam	11.510	113	469071	48.850	ng	98
36) 4-Chloro-3-methylphenol	11.863	107	1600490	50.008	ng	99
37) 2-Methylnaphthalene	12.263	142	2950679	47.872	ng	100
38) 1-Methylnaphthalene	12.481	142	2908087	47.838	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1617735	49.332	ng	100
41) Hexachlorocyclopentadiene	12.616	237	546269	52.560	ng	99
43) 2,4,6-Trichlorophenol	12.863	196	949480	52.124	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1056277	52.191	ng	98
46) 1,1'-Biphenyl	13.275	154	3811862	48.139	ng	100
47) 2-Chloronaphthalene	13.310	162	2979553	48.332	ng	98
48) 2-Nitroaniline	13.504	65	821676	47.603	ng	98
49) Acenaphthylene	14.169	152	4367223	48.190	ng	100
50) Dimethylphthalate	13.910	163	3569162	47.620	ng	99
51) 2,6-Dinitrotoluene	14.010	165	731267	48.330	ng	99
52) Acenaphthene	14.516	154	2861701	48.126	ng	100
53) 3-Nitroaniline	14.340	138	710103	47.788	ng	97
54) 2,4-Dinitrophenol	14.551	184	205628	49.369	ng	97
55) Dibenzofuran	14.857	168	4373407	47.811	ng	100
56) 4-Nitrophenol	14.646	139	562138	47.429	ng	96
57) 2,4-Dinitrotoluene	14.810	165	918371	47.777	ng	98
58) Fluorene	15.522	166	3525015	46.908	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	885682	51.558	ng	99
60) Diethylphthalate	15.304	149	3687157	47.945	ng	99
61) 4-Chlorophenyl-phenyle...	15.516	204	1836235	47.272	ng	97
62) 4-Nitroaniline	15.522	138	733231	47.987	ng	94
63) Azobenzene	15.810	77	4349860	46.014	ng	99
65) 4,6-Dinitro-2-methylph...	15.587	198	342052	49.749	ng	98
66) n-Nitrosodiphenylamine	15.734	169	2980276	48.807	ng	100
67) 4-Bromophenyl-phenylether	16.434	248	1198687	49.707	ng	98
68) Hexachlorobenzene	16.545	284	1395323	48.961	ng	99
69) Atrazine	16.716	200	1019051	48.608	ng	98
70) Pentachlorophenol	16.892	266	812046	52.206	ng	99
71) Phenanthrene	17.304	178	5308898	48.447	ng	100
72) Anthracene	17.392	178	5212543	48.503	ng	100
73) Carbazole	17.669	167	4974161	48.027	ng	99
74) Di-n-butylphthalate	18.287	149	6454560	50.745	ng	100
75) Fluoranthene	19.386	202	6476130	48.166	ng	99
77) Benzidine	19.575	184	2493655	52.808	ng	100
78) Pyrene	19.757	202	6603640	48.263	ng	99
80) Butylbenzylphthalate	20.710	149	2559896	49.198	ng	98
81) Benzo(a)anthracene	21.686	228	6405297	48.741	ng	99
82) 3,3'-Dichlorobenzidine	21.610	252	2191535	52.013	ng	99
83) Chrysene	21.763	228	6024463	48.555	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	4205342	54.143	ng	100
85) Di-n-octyl phthalate	22.969	149	6722548	49.144	ng	100
87) Indeno(1,2,3-cd)pyrene	29.004	276	7707464m	50.025	ng	
88) Benzo(b)fluoranthene	24.039	252	6647186	48.689	ng	100
89) Benzo(k)fluoranthene	24.116	252	6552987	49.204	ng	99
90) Benzo(a)pyrene	24.957	252	5918922	49.959	ng	99
91) Dibenzo(a,h)anthracene	29.092	278	6420896	50.151	ng	99
92) Benzo(g,h,i)perylene	30.221	276	6383870	49.748	ng	99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
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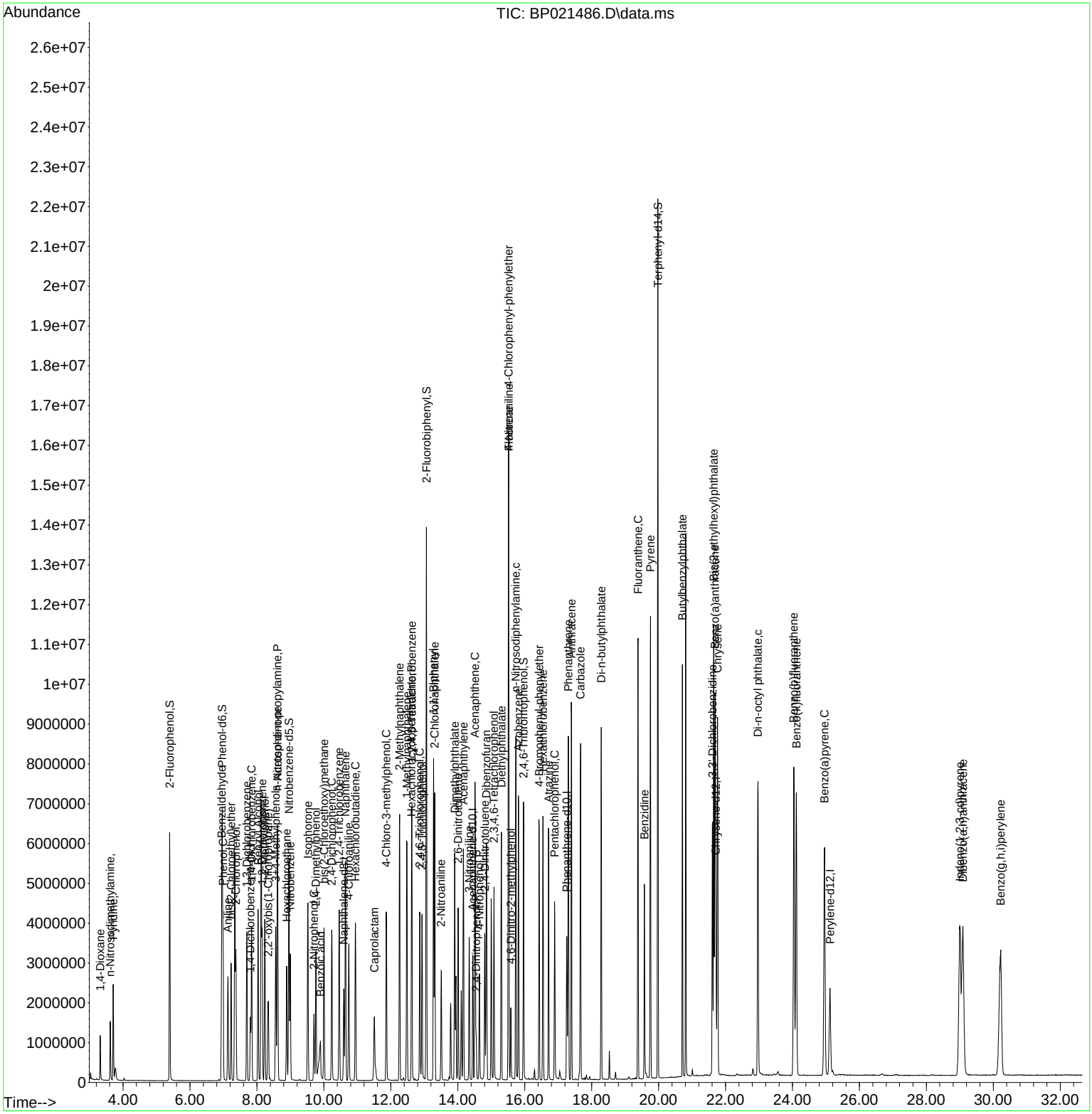
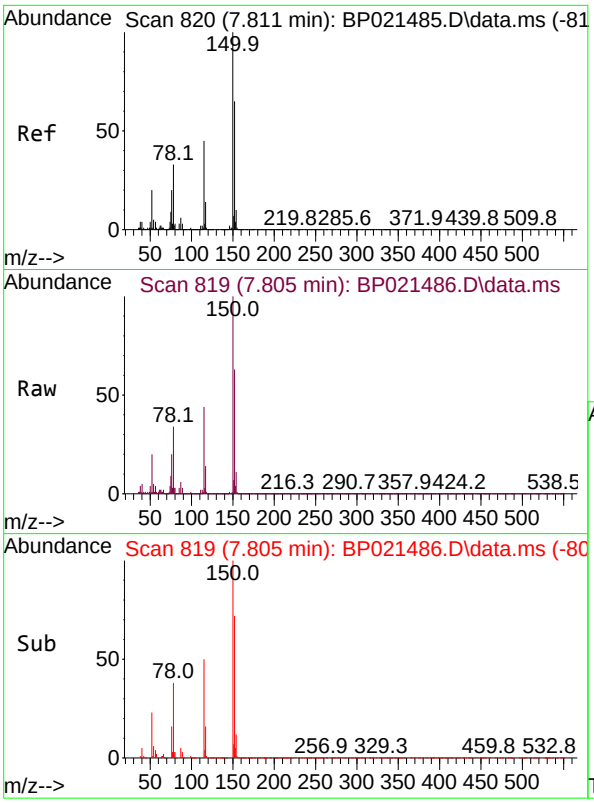
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

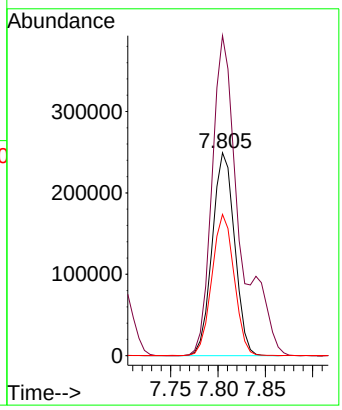




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:152 Resp: 41003

Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.4	183.6
115	69.6	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
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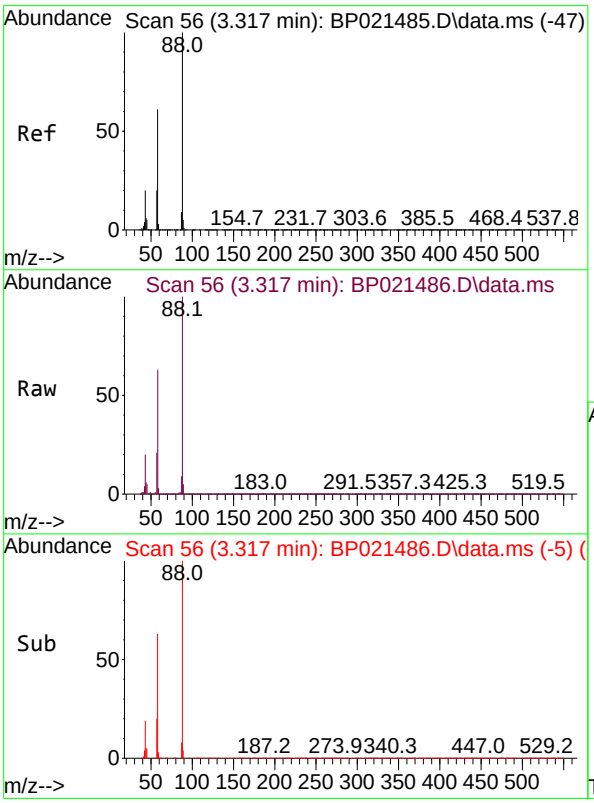
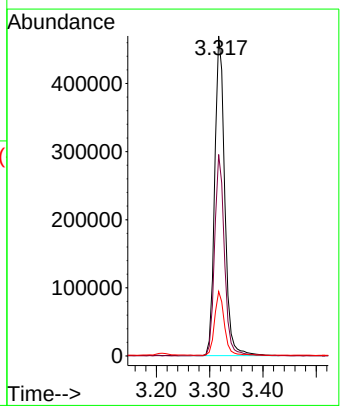
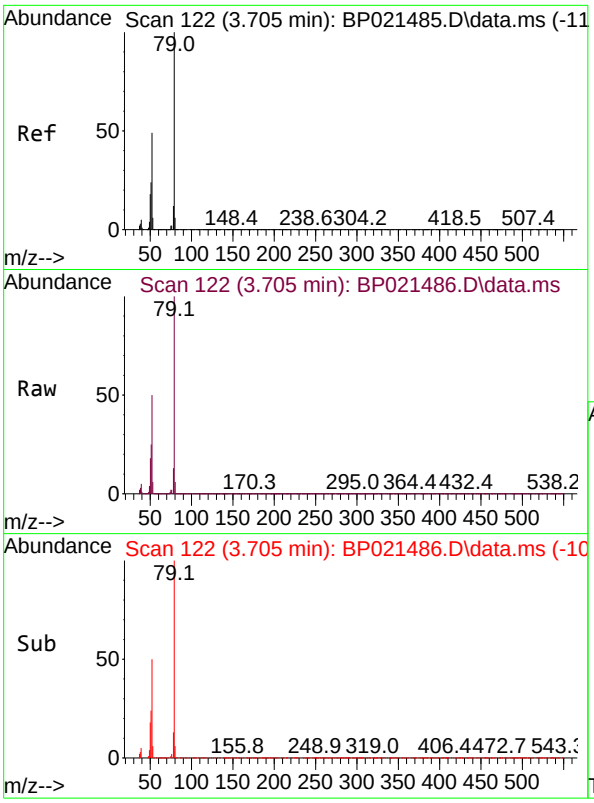


#2
1,4-Dioxane
Concen: 46.916 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 88 Resp: 614292

Ion	Ratio	Lower	Upper
88	100		
58	61.9	48.7	73.1
43	19.4	15.4	23.2

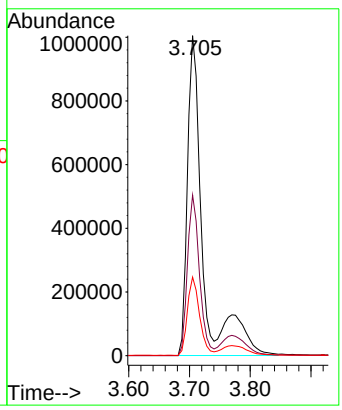




#3
Pyridine
Concen: 48.836 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 79 Resp: 178503

Ion	Ratio	Lower	Upper
79	100		
52	50.2	39.0	58.6
51	24.5	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
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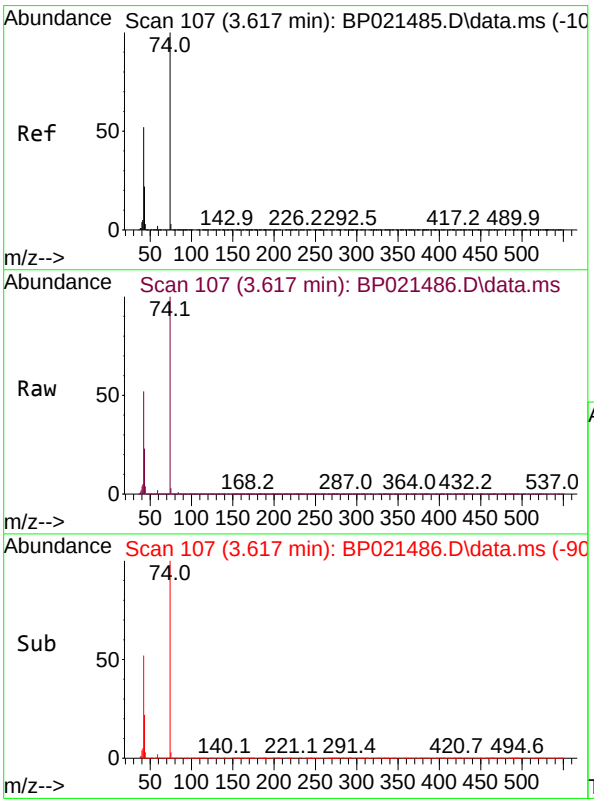
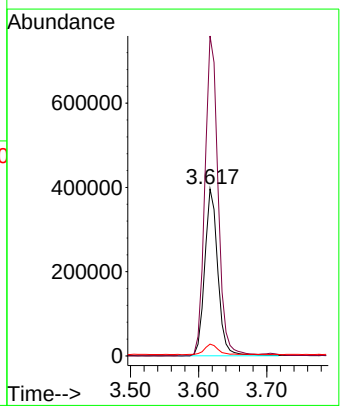
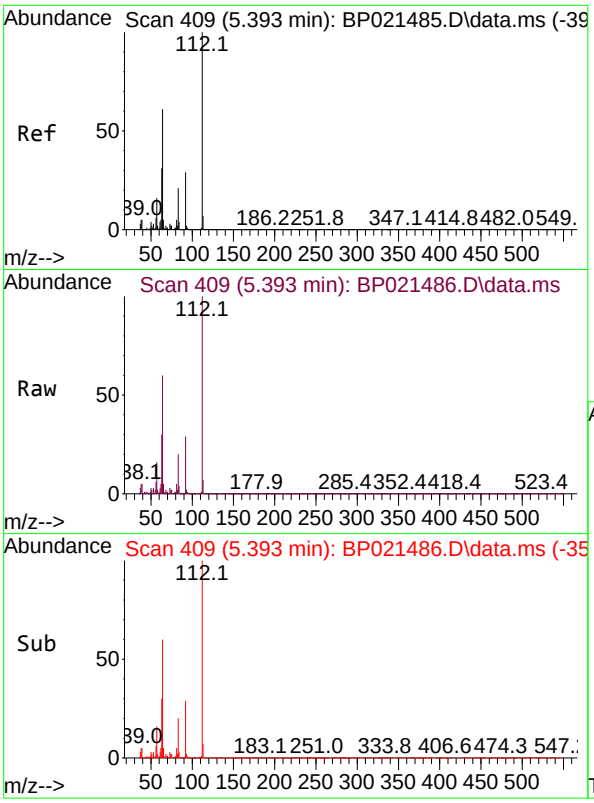


#4
n-Nitrosodimethylamine
Concen: 48.151 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 42 Resp: 529008

Ion	Ratio	Lower	Upper
42	100		
74	191.6	154.3	231.5
44	7.1	6.2	9.4





#5
2-Fluorophenol
Concen: 98.280 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:112 Resp: 271391

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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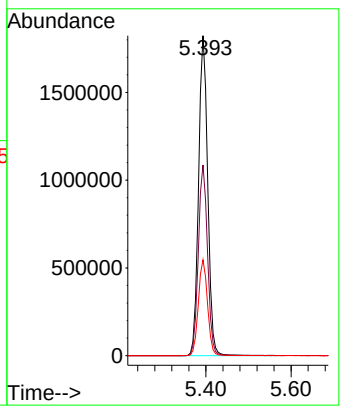
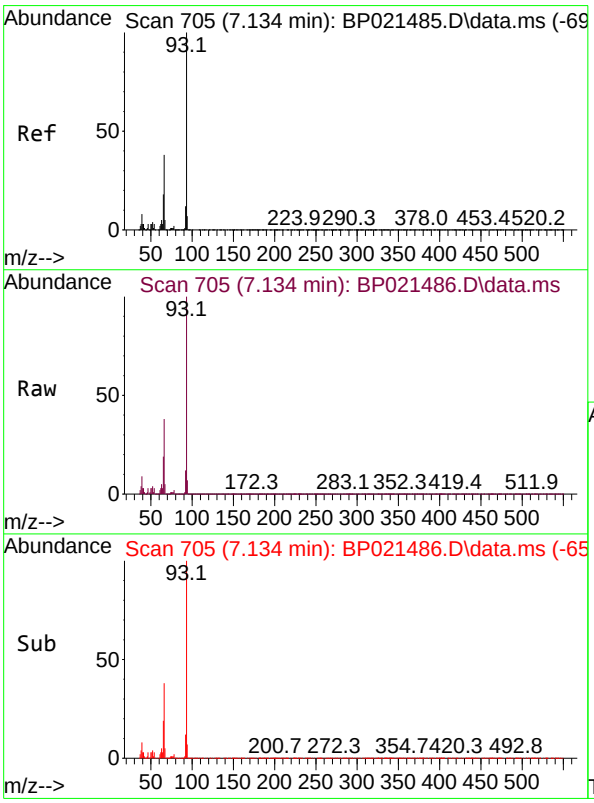
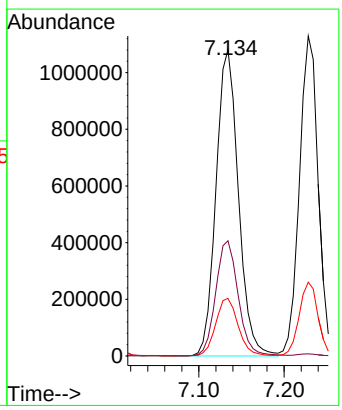


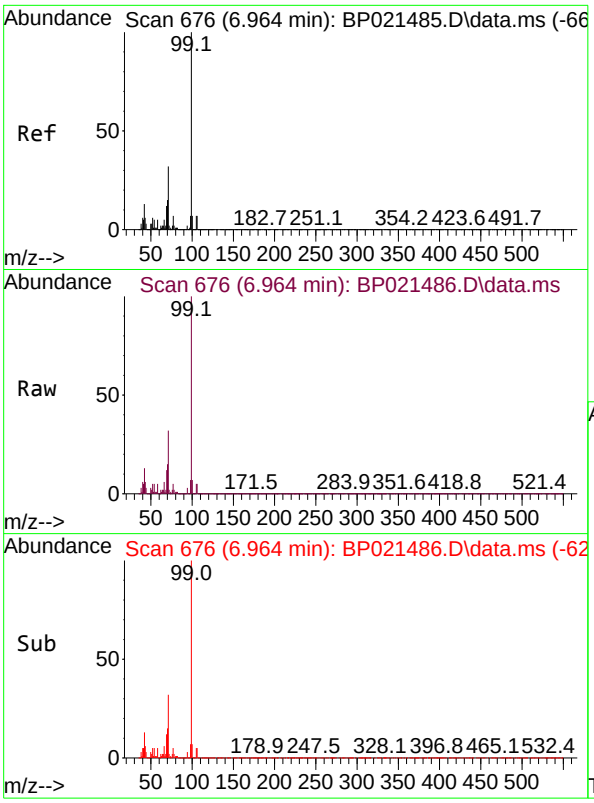


#6
Aniline
Concen: 48.993 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 1973018

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	18.8	14.7	22.1

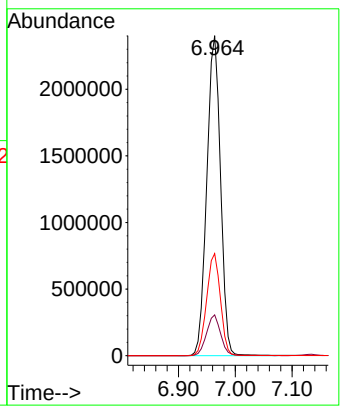




#7
Phenol-d6
Concen: 99.407 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 99 Resp: 400437

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	31.9	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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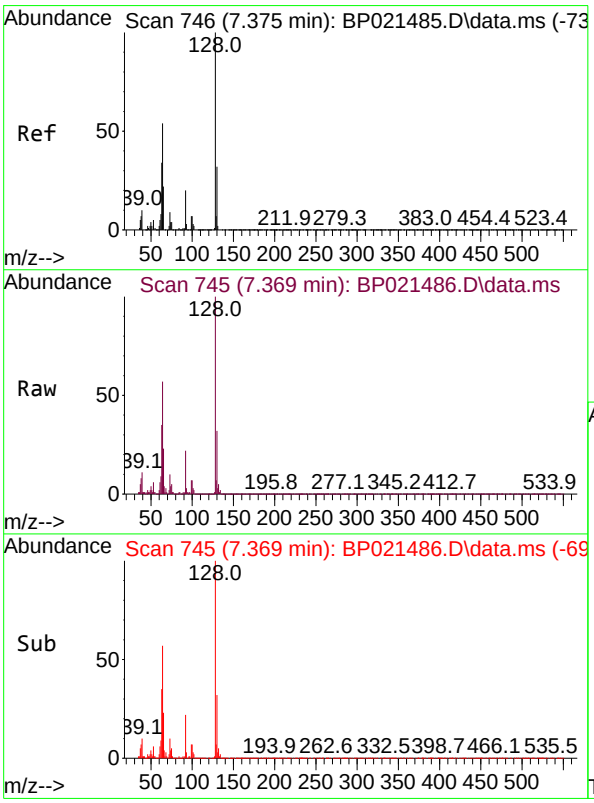
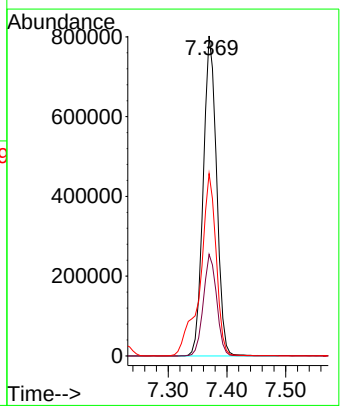
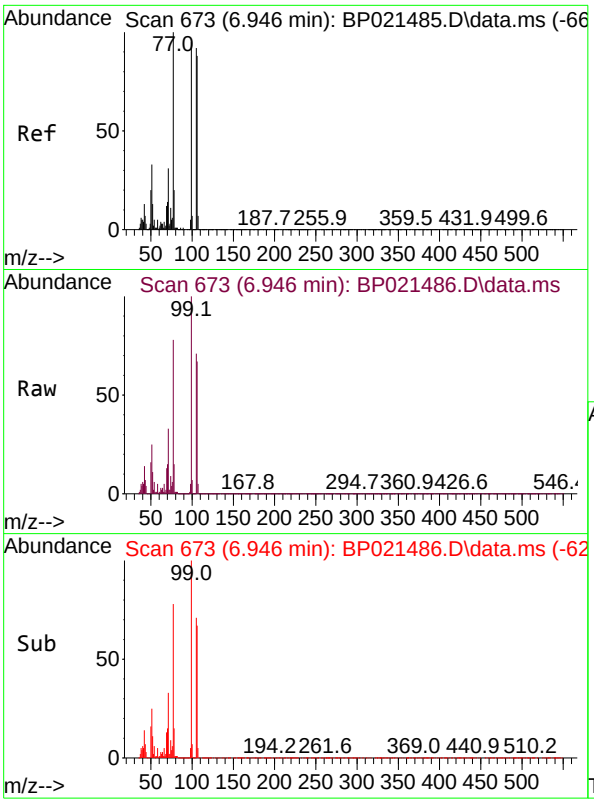


#8
2-Chlorophenol
Concen: 49.646 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:128 Resp: 1266906

Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.6	51.6
64	57.0	35.3	75.3

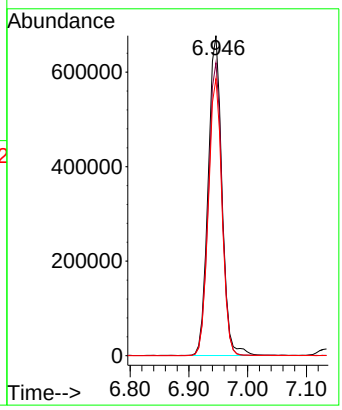




#9
Benzaldehyde
Concen: 42.632 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 109957

Ion	Ratio	Lower	Upper
77	100		
105	91.6	72.1	112.1
106	86.6	67.9	107.9



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ClientSampleId :
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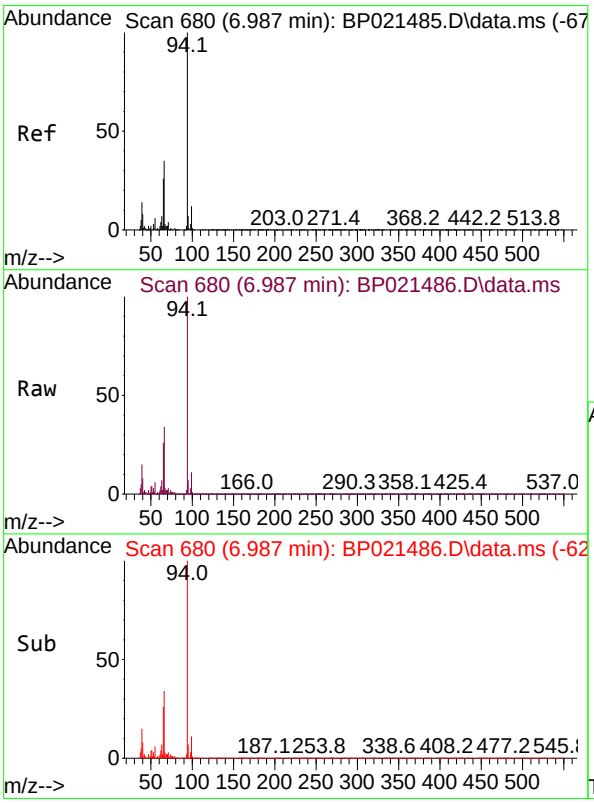
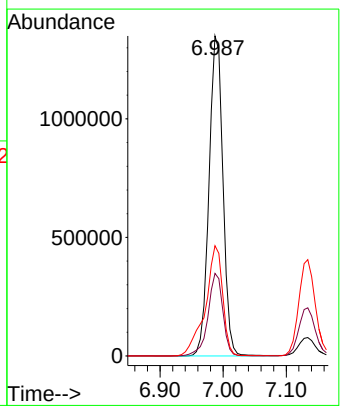
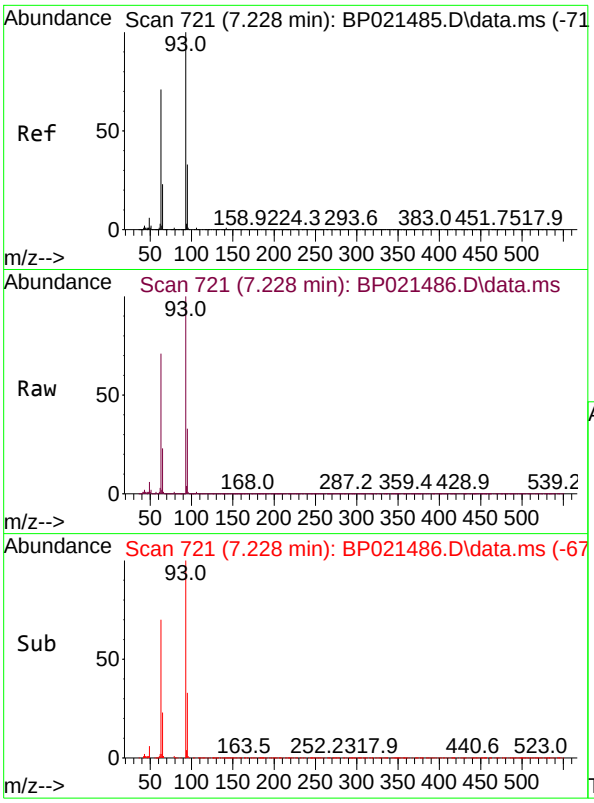


#10
Phenol
Concen: 49.628 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 94 Resp: 2070173

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	34.5	14.7	54.7

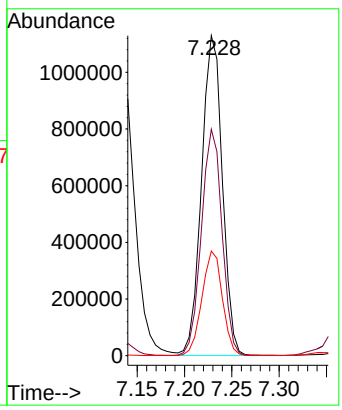




#11
bis(2-Chloroethyl)ether
Concen: 48.789 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 172209

Ion	Ratio	Lower	Upper
93	100		
63	70.8	51.0	91.0
95	32.7	12.9	52.9



Instrument :
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ClientSampleId :
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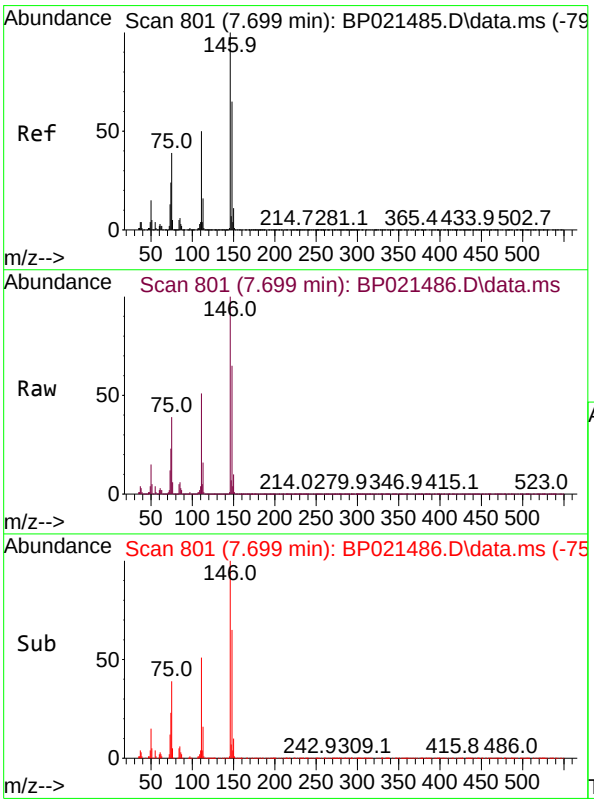
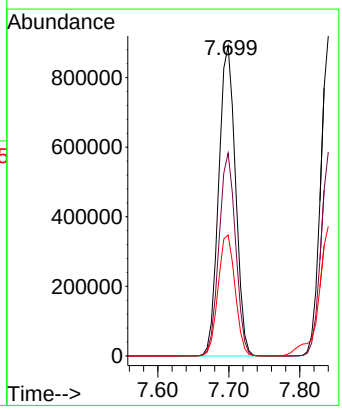
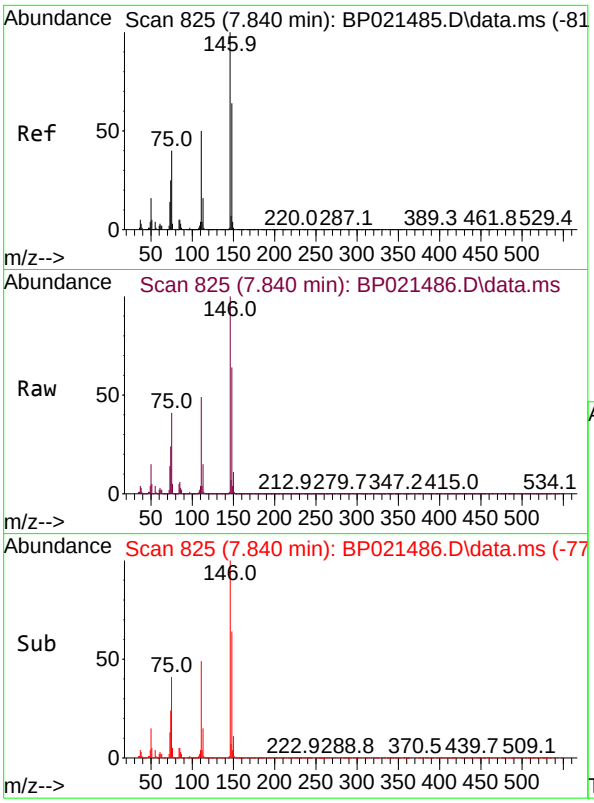


#12
1,3-Dichlorobenzene
Concen: 48.079 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1457386

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
75	39.0	31.3	46.9

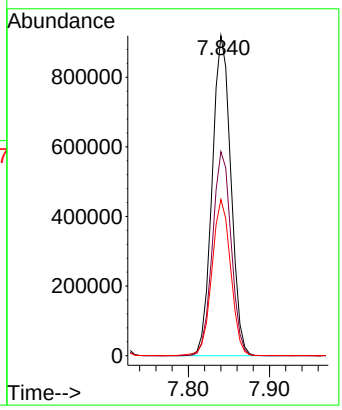




#13
1,4-Dichlorobenzene
Concen: 48.044 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 147054

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	48.8	40.3	60.5



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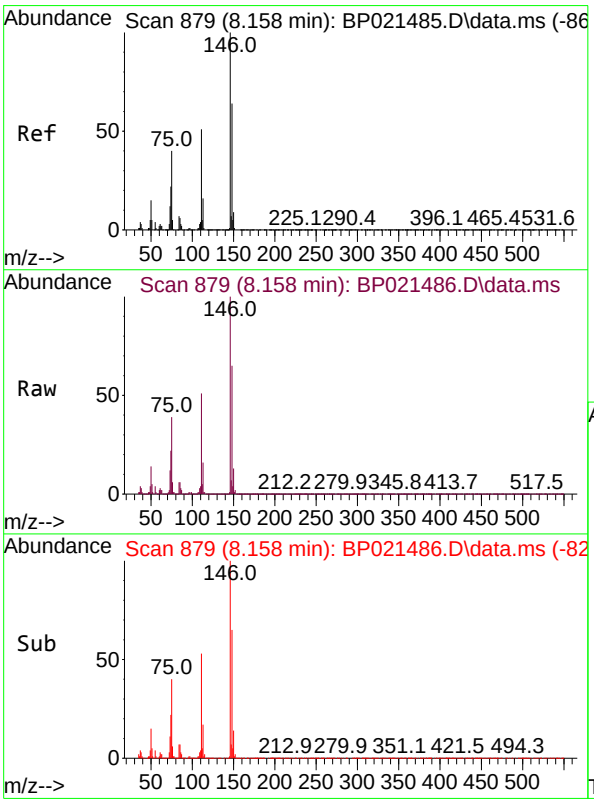
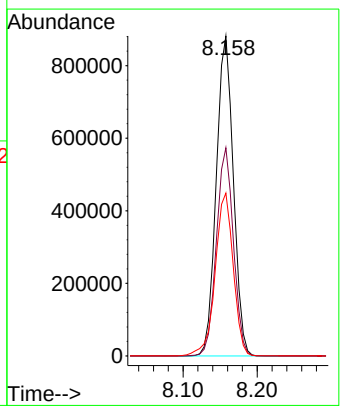
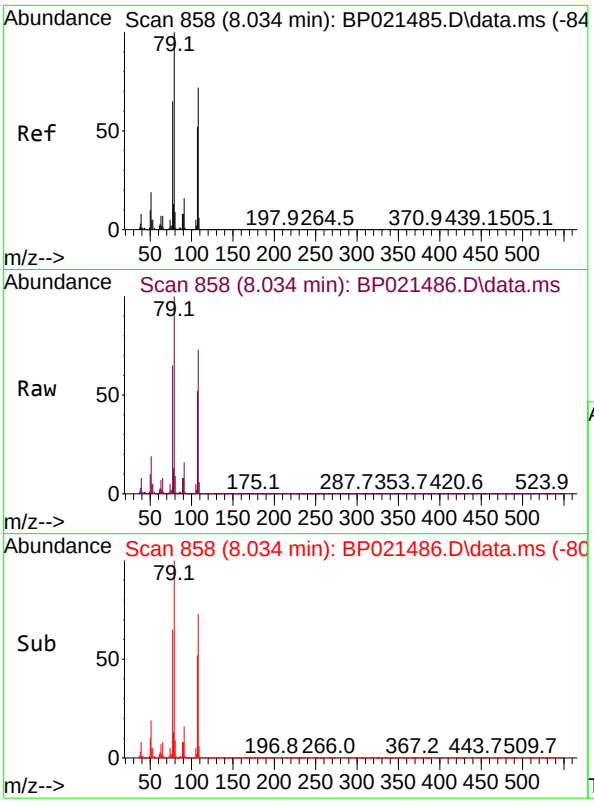


#14
1,2-Dichlorobenzene
Concen: 47.842 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1411170

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.5	77.3
111	50.9	41.1	61.7





#15
Benzyl Alcohol
Concen: 50.255 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 79 Resp: 145251

Ion	Ratio	Lower	Upper
79	100		
108	73.0	57.9	86.9
77	65.1	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
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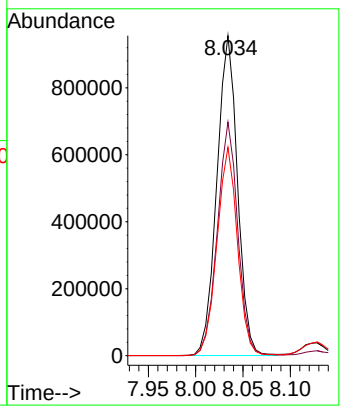
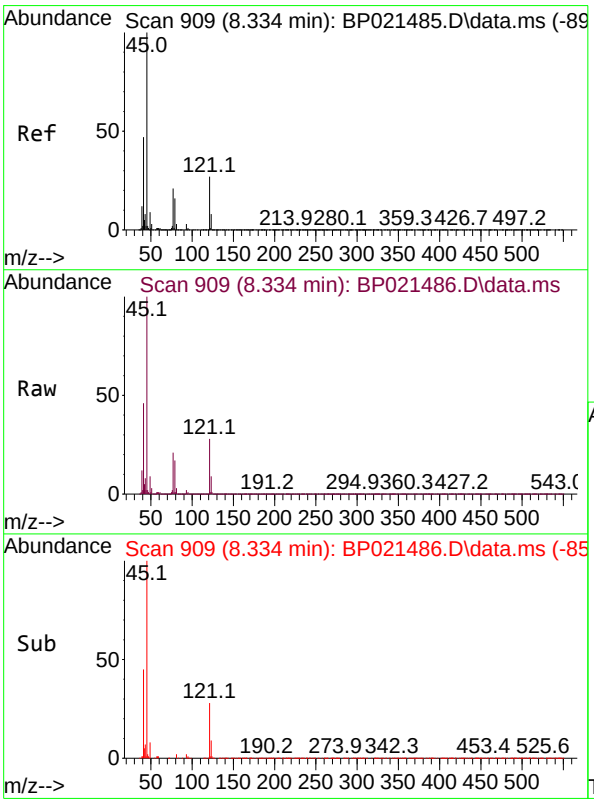
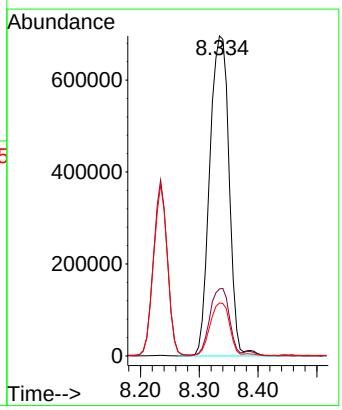


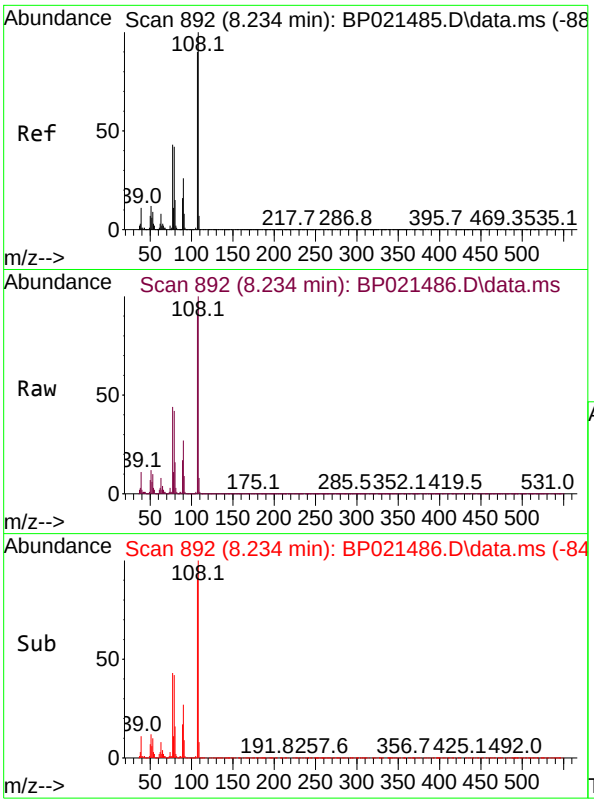


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.854 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 45 Resp: 1588042

Ion	Ratio	Lower	Upper
45	100		
77	21.0	1.9	41.9
79	16.5	0.0	36.6

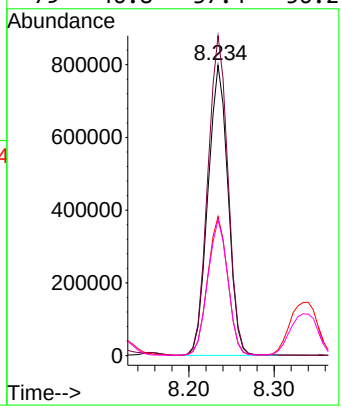




#17
2-Methylphenol
Concen: 49.632 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 130885

Ion	Ratio	Lower	Upper
107	100		
108	110.2	88.8	133.2
77	47.9	38.7	58.1
79	46.8	37.4	56.2



Instrument :
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ClientSampleId :
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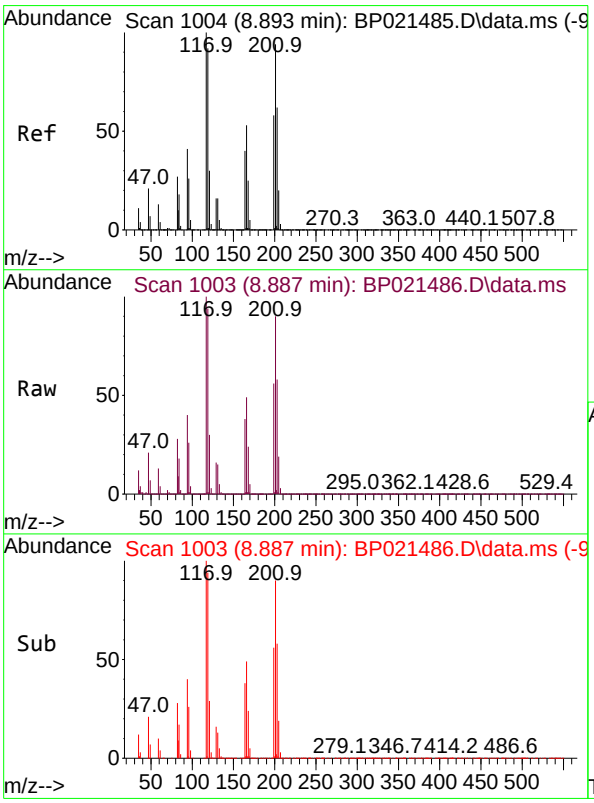
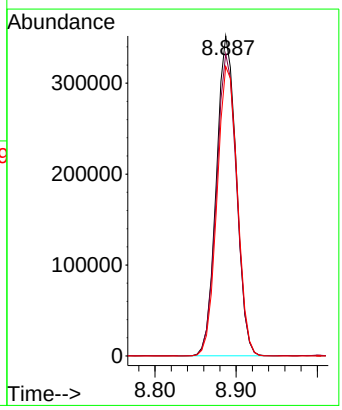
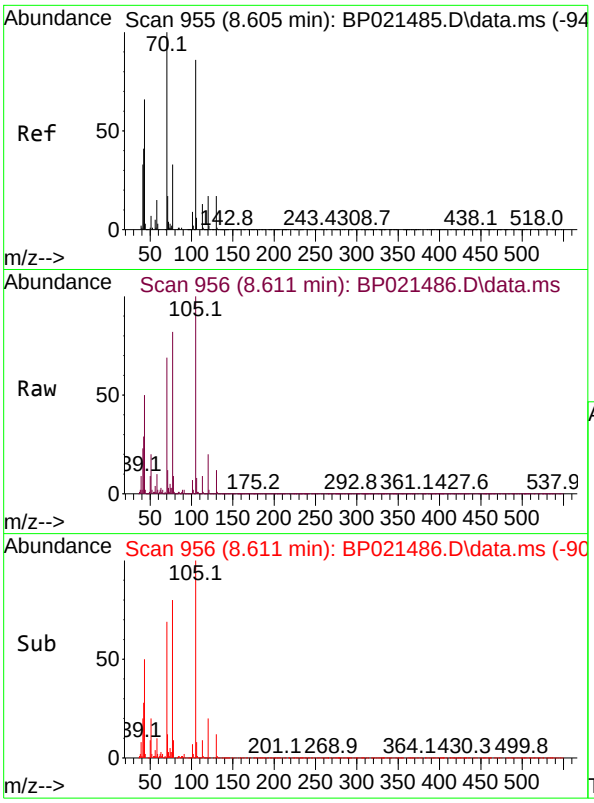


#18
Hexachloroethane
Concen: 49.004 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:117 Resp: 601480

Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.9	110.9
201	90.5	74.9	112.3

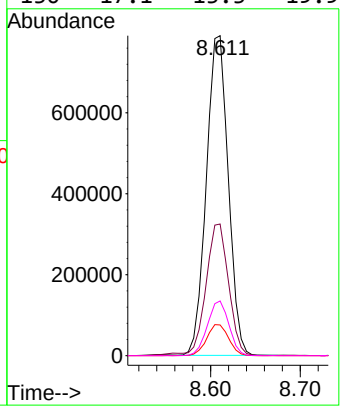




#19
n-Nitroso-di-n-propylamine
Concen: 48.171 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 70 Resp: 134042

Ion	Ratio	Lower	Upper
70	100		
42	41.2	33.1	49.7
101	9.6	7.4	11.2
130	17.1	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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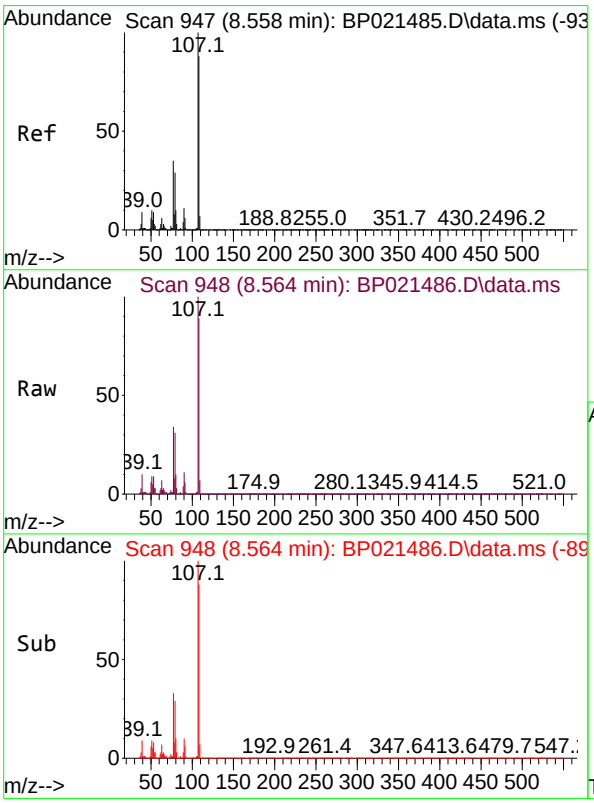
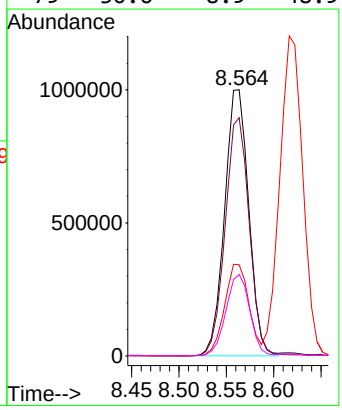
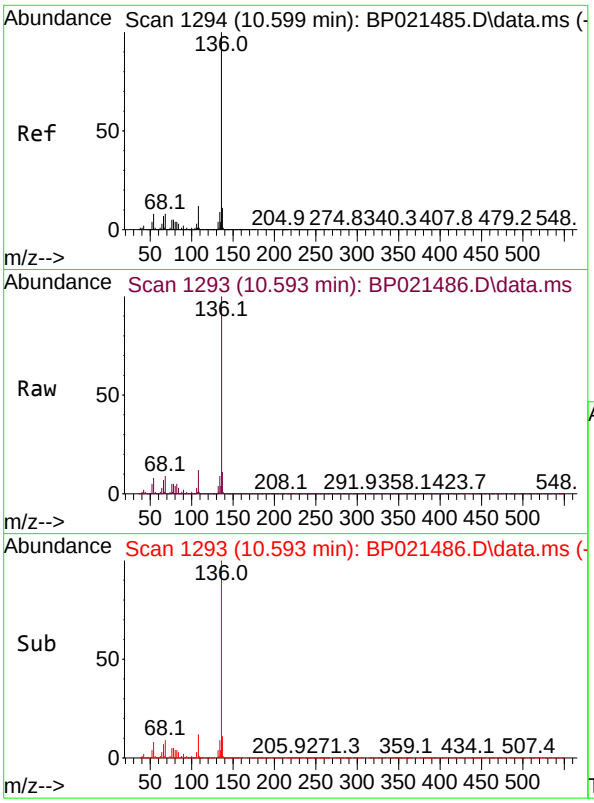


#20
3+4-Methylphenols
Concen: 49.982 ng
RT: 8.564 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1777289

Ion	Ratio	Lower	Upper
107	100		
108	89.5	67.6	107.6
77	34.2	15.0	55.0
79	30.6	8.9	48.9

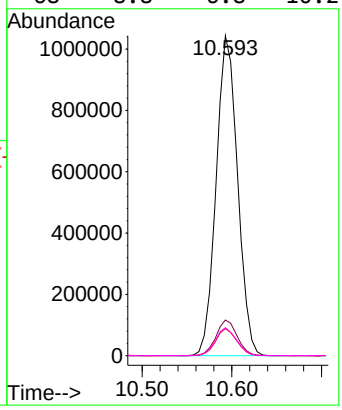




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:136 Resp: 172875

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.5	6.3	9.5
68	8.8	6.8	10.2



Instrument :
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ClientSampleId :
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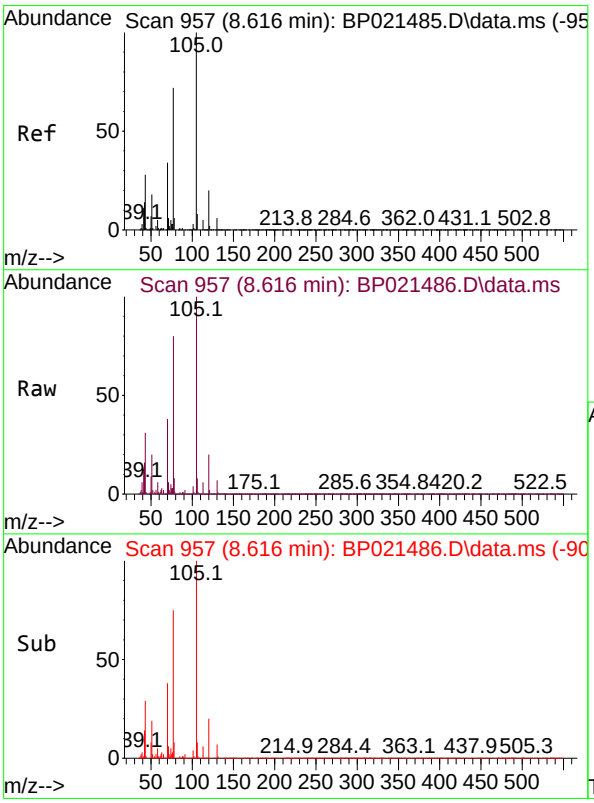
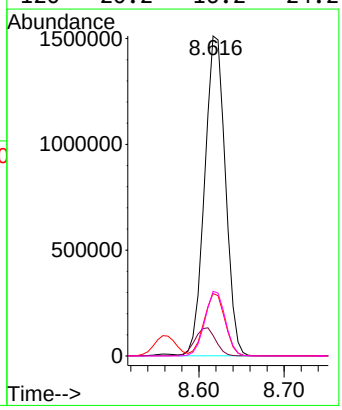
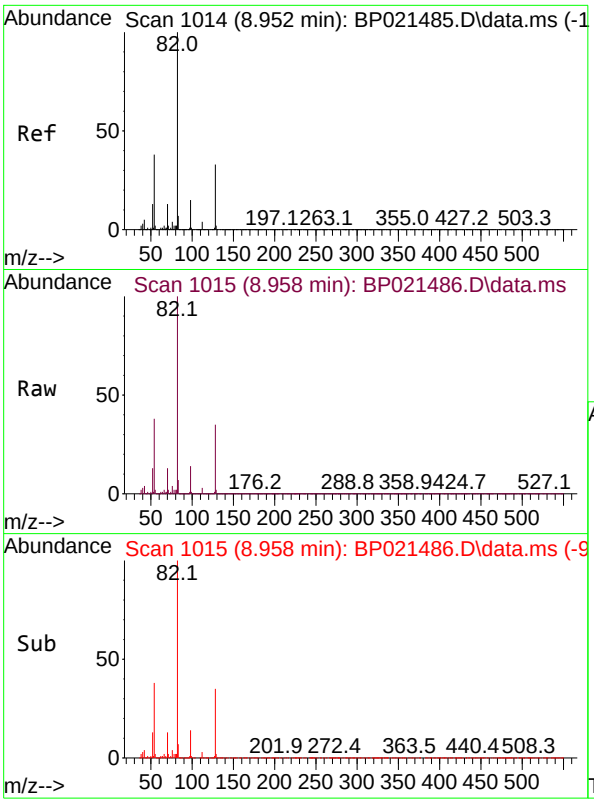


#22
Acetophenone
Concen: 48.058 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:105 Resp: 2552368

Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.6	7.0
51	19.5	16.3	24.5
120	20.2	16.2	24.2

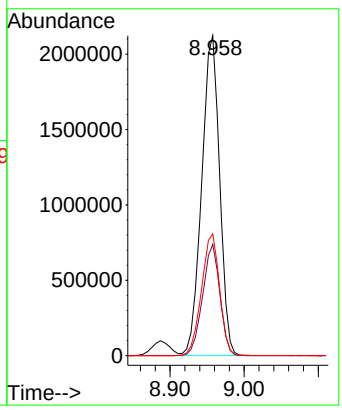




#23
Nitrobenzene-d5
Concen: 106.266 ng
RT: 8.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 82 Resp: 355921

Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	38.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
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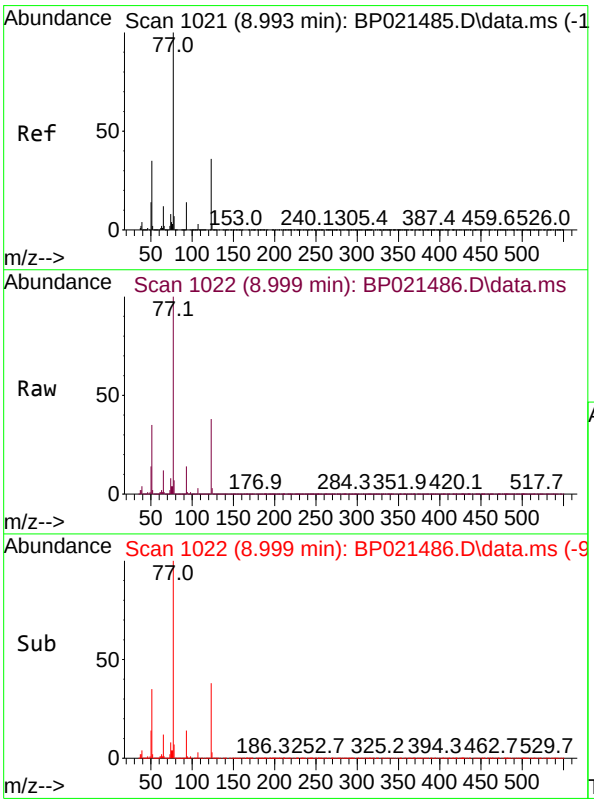
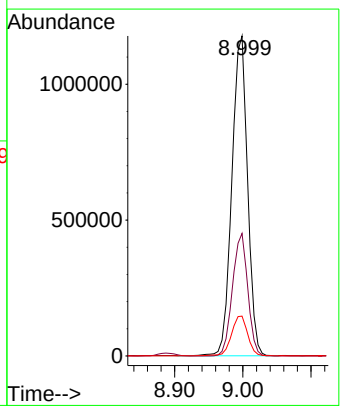
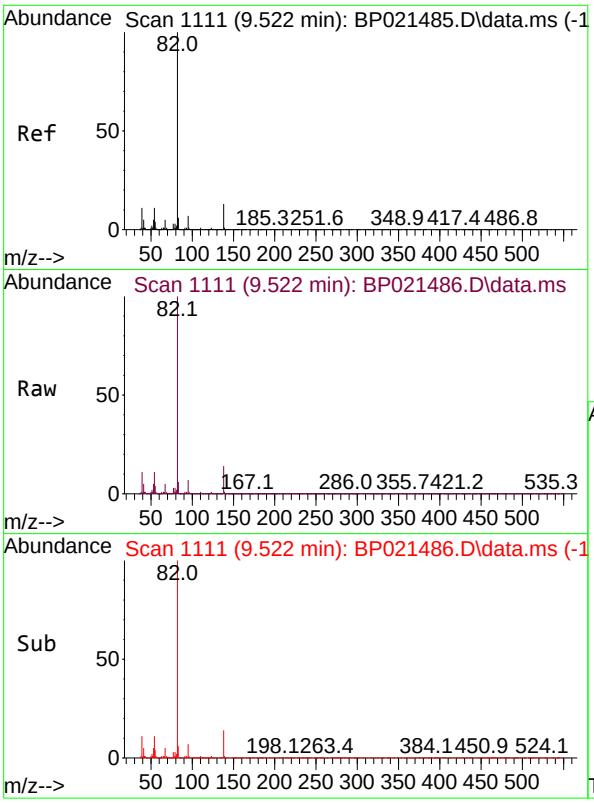


#24
Nitrobenzene
Concen: 51.725 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 1881606

Ion	Ratio	Lower	Upper
77	100		
123	38.3	29.5	44.3
65	12.4	9.9	14.9

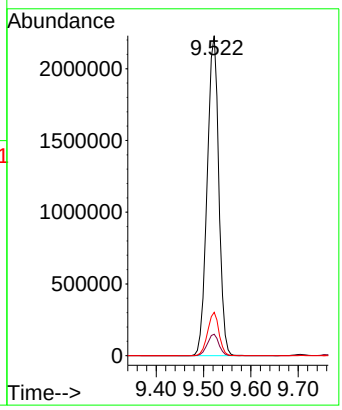




#25
Isophorone
Concen: 47.889 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 82 Resp: 378927

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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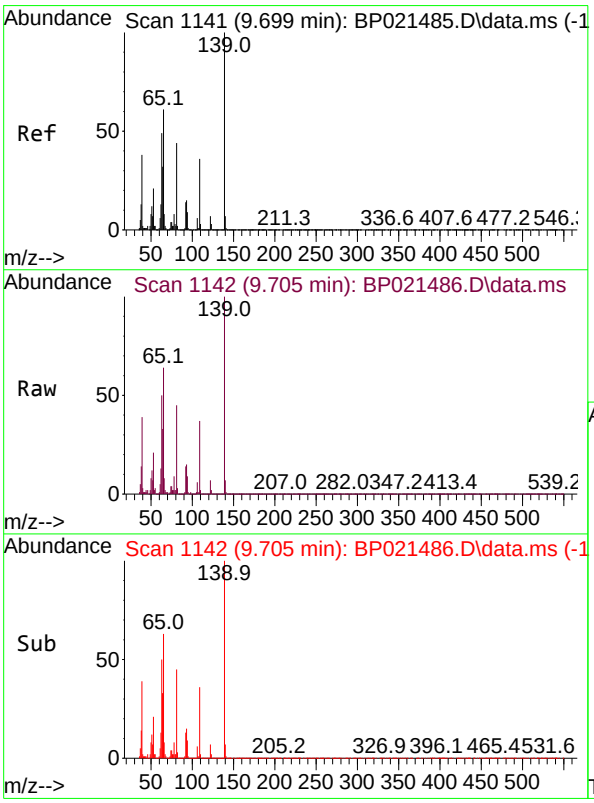
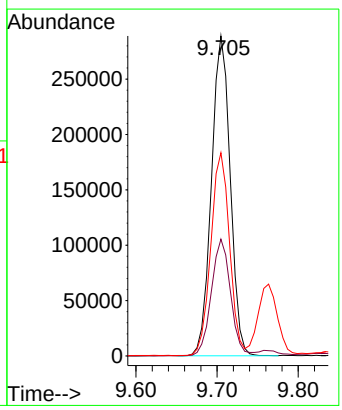
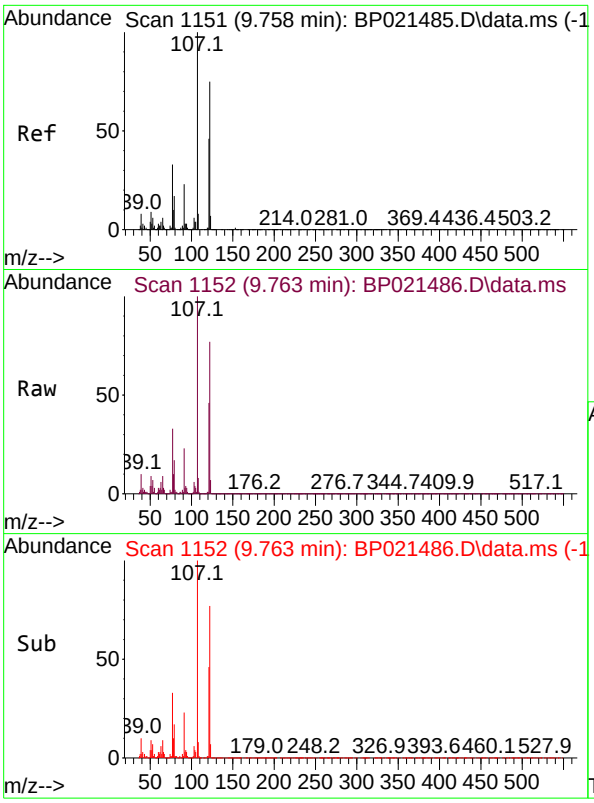


#26
2-Nitrophenol
Concen: 49.970 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 464597

Ion	Ratio	Lower	Upper
139	100		
109	36.5	28.9	43.3
65	63.5	49.0	73.6

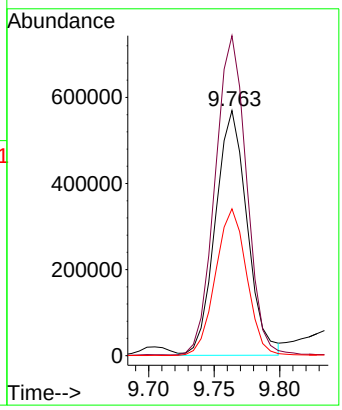




#27
2,4-Dimethylphenol
Concen: 48.987 ng
RT: 9.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 95657

Ion	Ratio	Lower	Upper
122	100		
107	130.6	106.2	159.4
121	60.0	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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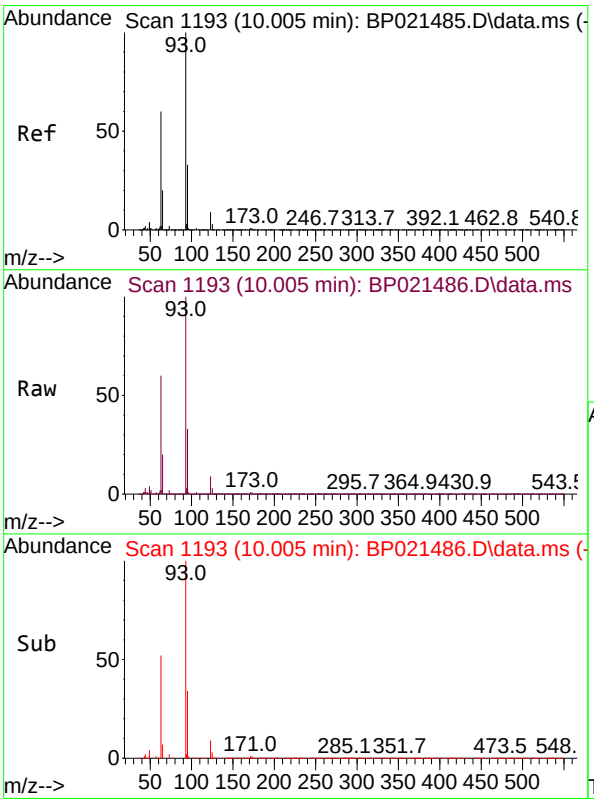
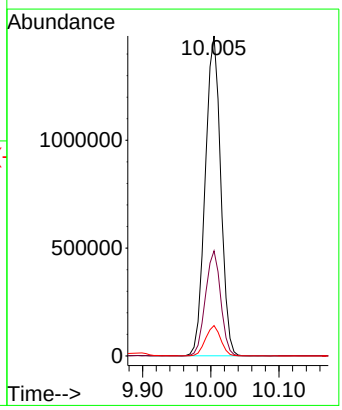
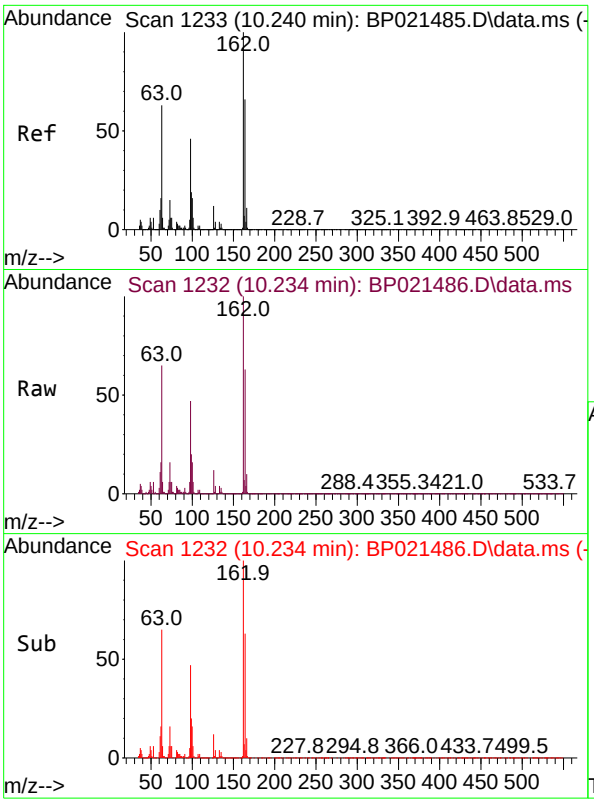


#28
bis(2-Chloroethoxy)methane
Concen: 48.504 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 2342749

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 51.545 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:162 Resp: 118925

Ion	Ratio	Lower	Upper
162	100		
164	63.3	45.9	85.9
98	47.0	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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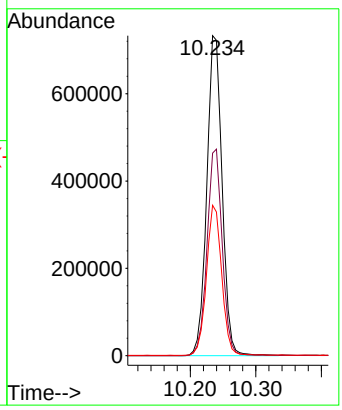
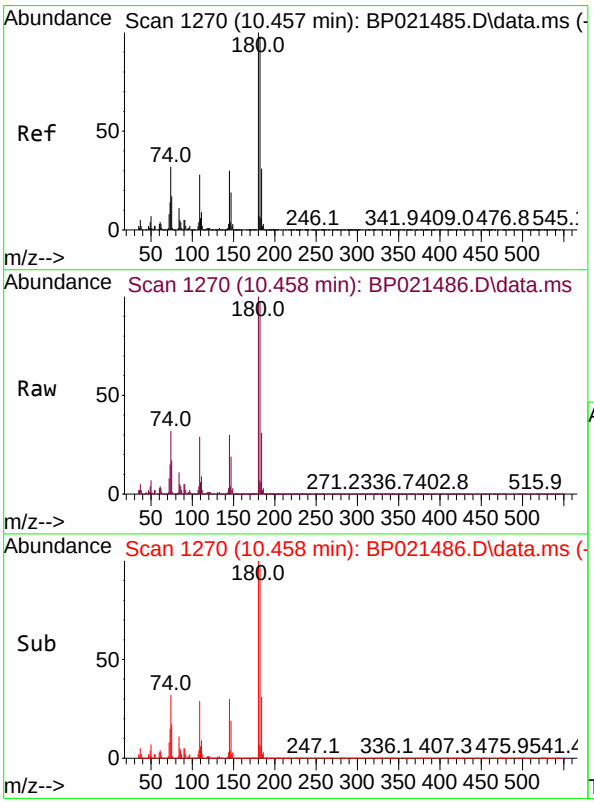
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

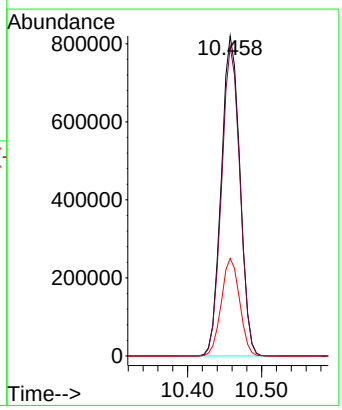


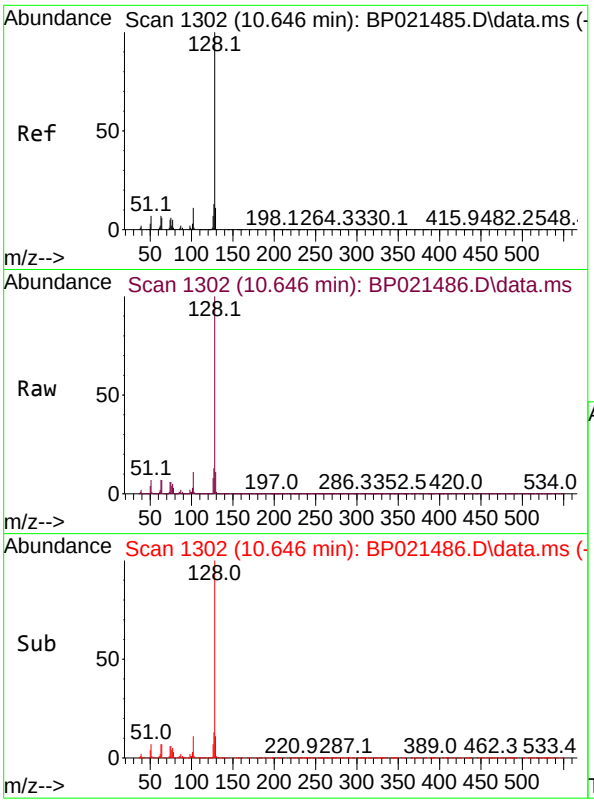


#30
1,2,4-Trichlorobenzene
Concen: 48.296 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:180 Resp: 1428575

Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.3	117.5
145	30.5	24.0	36.0





#31
Naphthalene
Concen: 47.949 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:128 Resp: 433034

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.1	10.6	15.8

Instrument :
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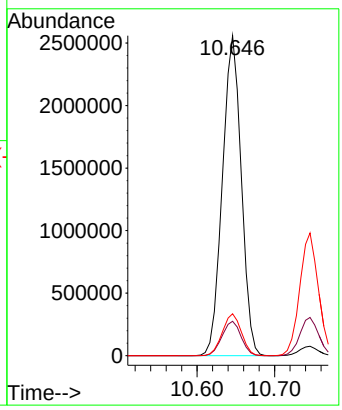
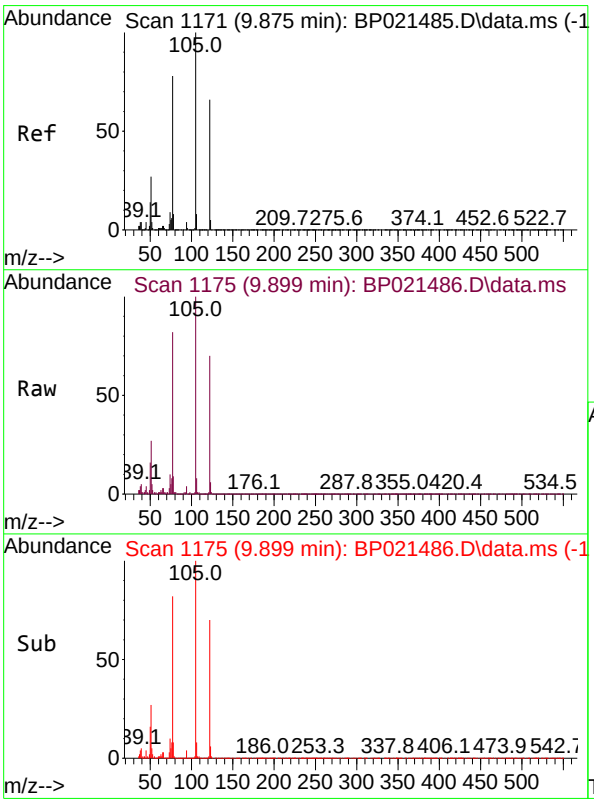
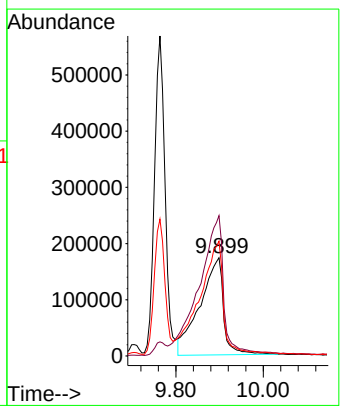


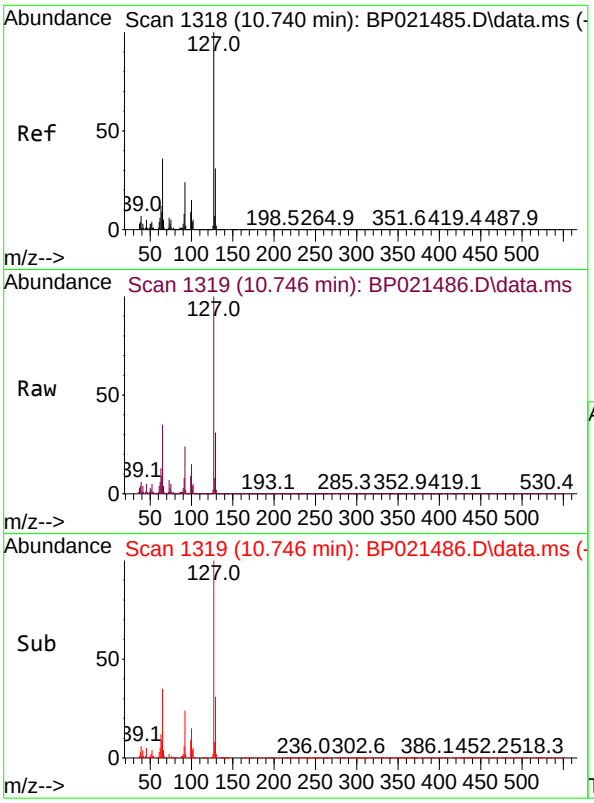


#32
Benzoic acid
Concen: 50.213 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 652668

Ion	Ratio	Lower	Upper
122	100		
105	142.9	124.6	164.6
77	116.7	96.2	136.2

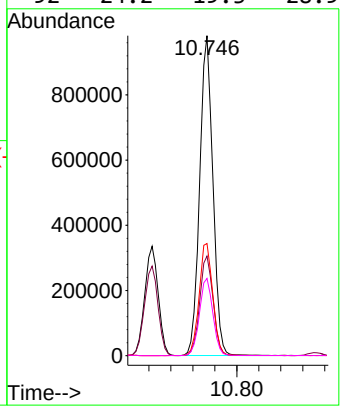




#33
4-Chloroaniline
Concen: 48.345 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:127 Resp: 164002

Ion	Ratio	Lower	Upper
127	100		
129	31.2	24.5	36.7
65	35.1	28.9	43.3
92	24.2	19.3	28.9



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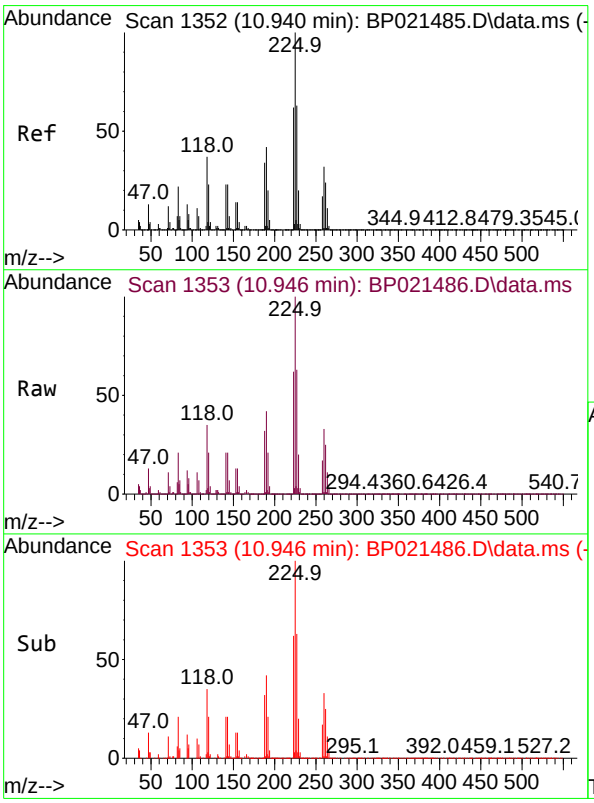
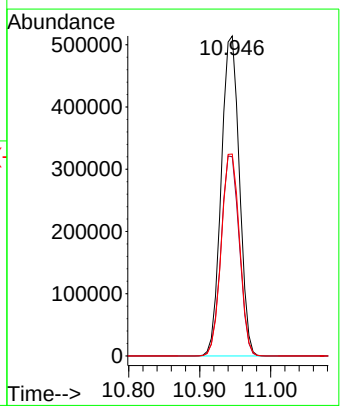
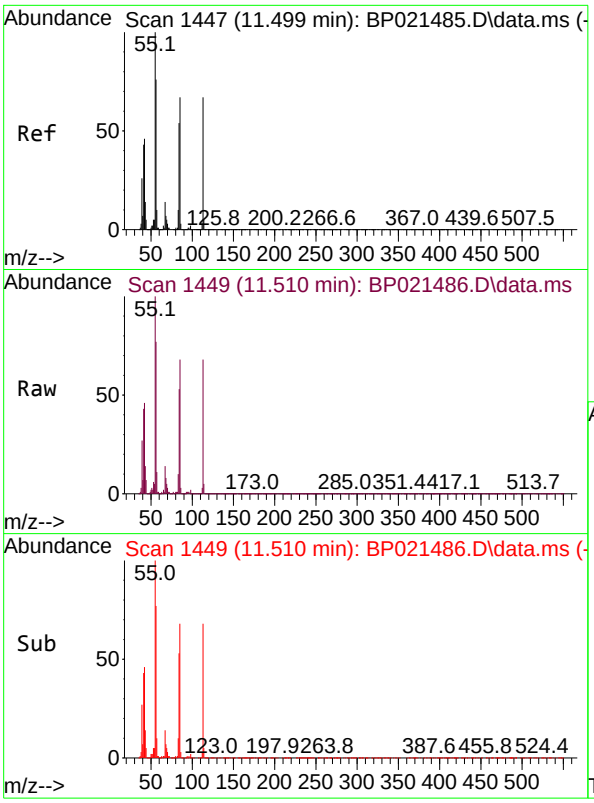


#34
Hexachlorobutadiene
Concen: 48.672 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:225 Resp: 906501

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.6	74.4
227	63.1	50.1	75.1

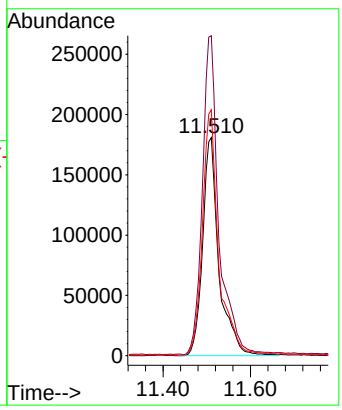




#35
Caprolactam
Concen: 48.850 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:113 Resp: 46907

Ion	Ratio	Lower	Upper
113	100		
55	146.7	130.6	170.6
56	112.8	94.6	134.6



Instrument :
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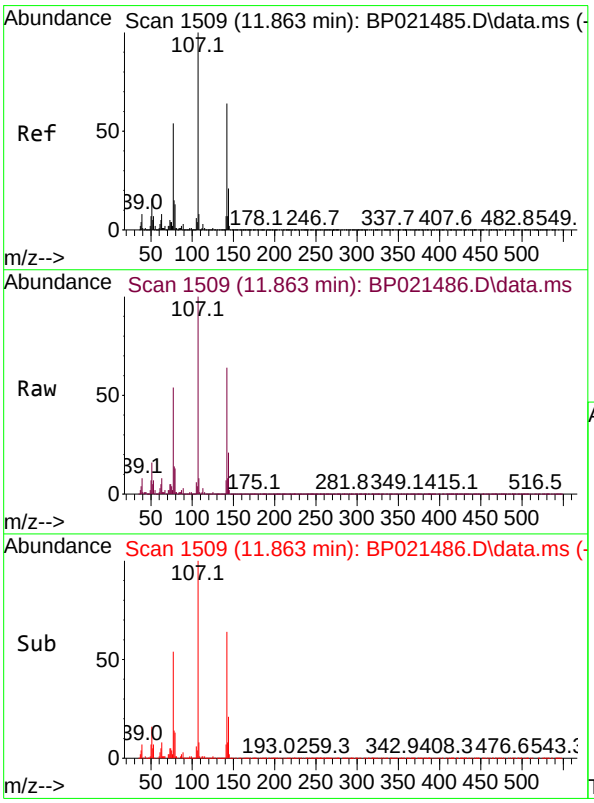
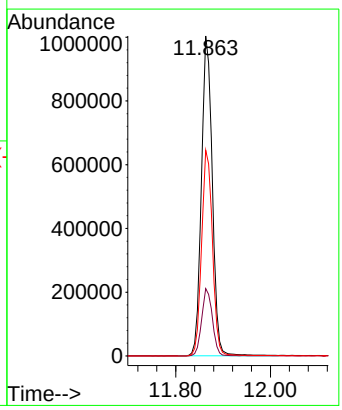
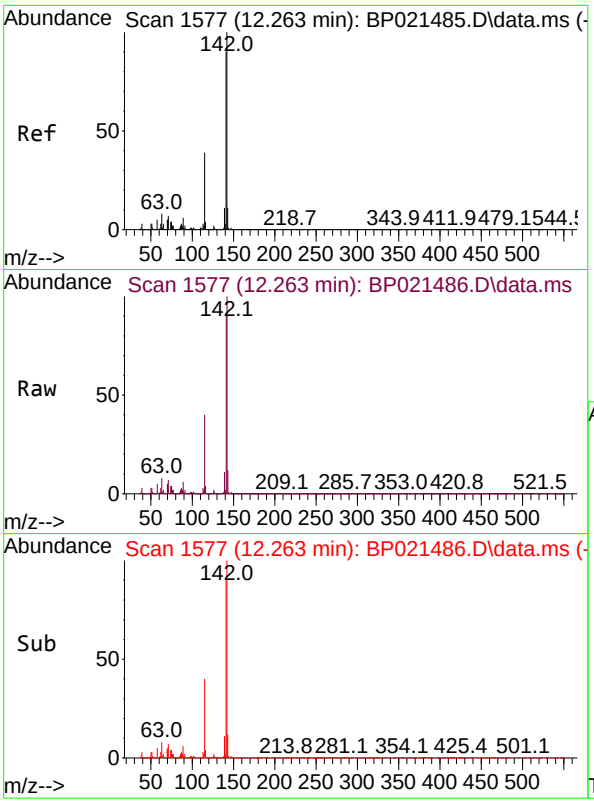


#36
4-Chloro-3-methylphenol
Concen: 50.008 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1600490

Ion	Ratio	Lower	Upper
107	100		
144	21.0	16.6	24.8
142	64.3	51.0	76.4

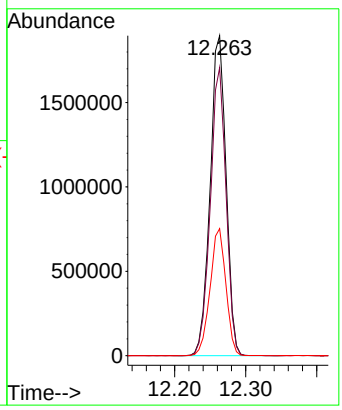




#37
2-Methylnaphthalene
Concen: 47.872 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 295067

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.7	107.5
115	39.7	31.4	47.2



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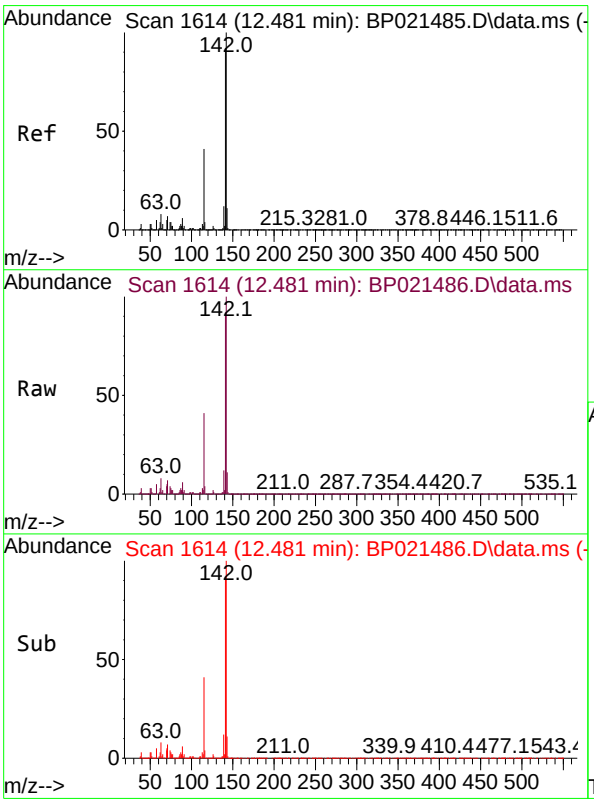
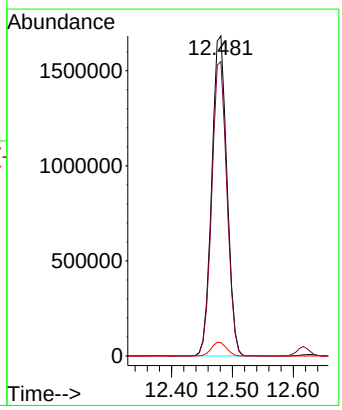
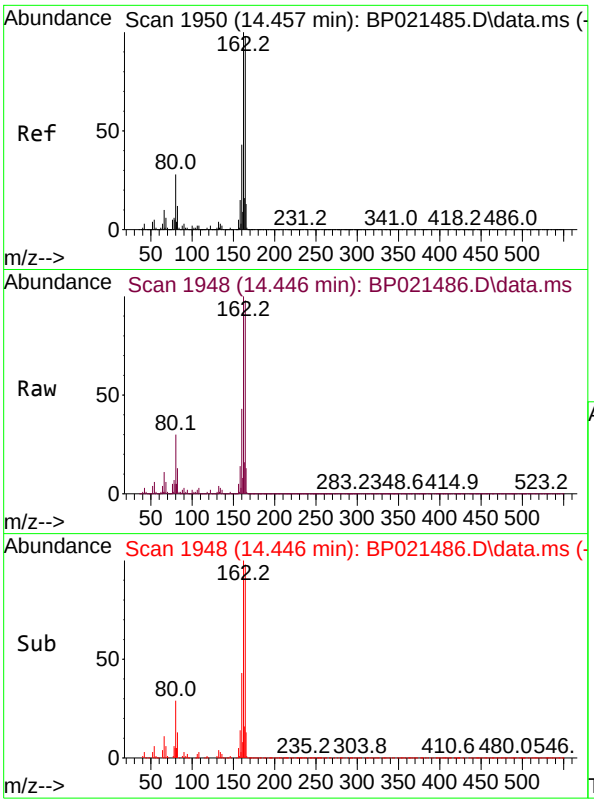


#38
1-Methylnaphthalene
Concen: 47.838 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 2908087

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.5	110.3
116	4.2	3.4	5.2

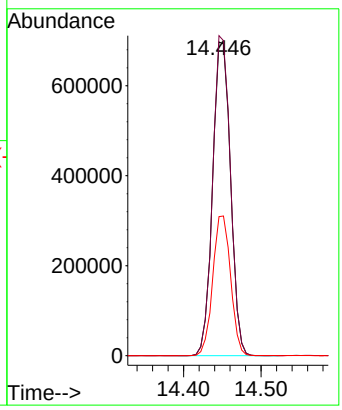




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:164 Resp: 111920

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.5	122.3
160	44.3	35.2	52.8



Instrument :
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ClientSampleId :
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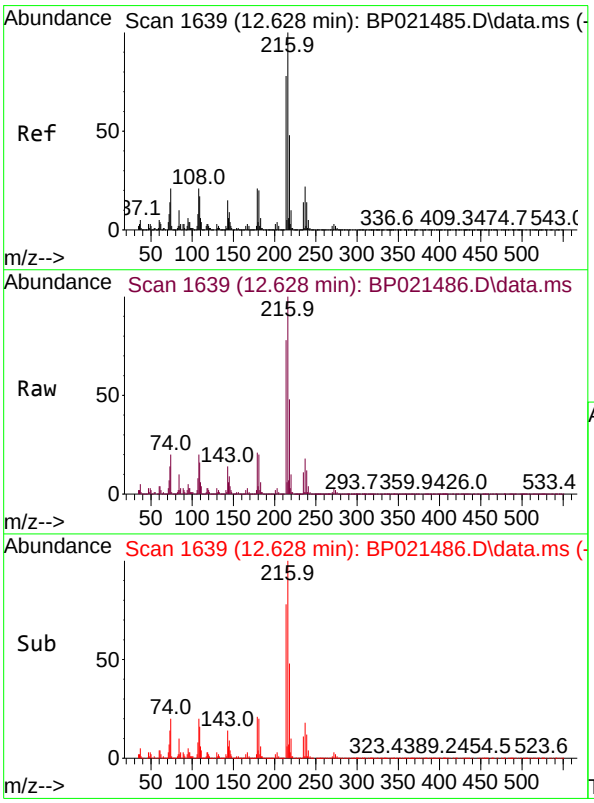
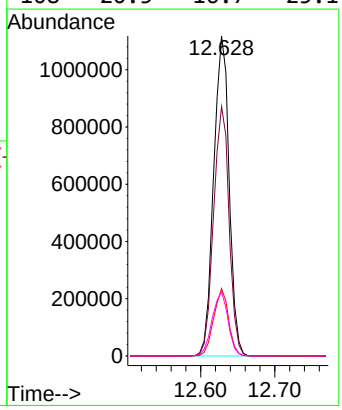
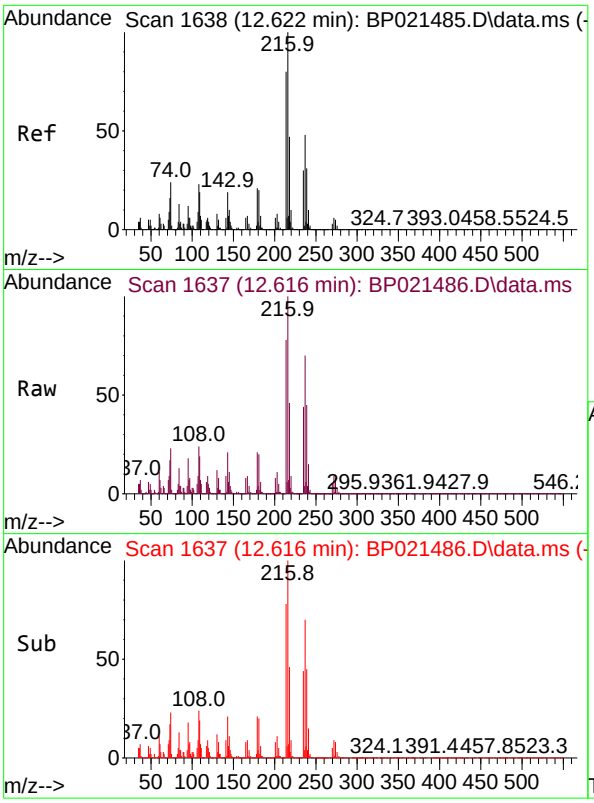


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.332 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:216 Resp: 1617735

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 52.560 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:237 Resp: 54626

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.2	0.0	33.3

Instrument :
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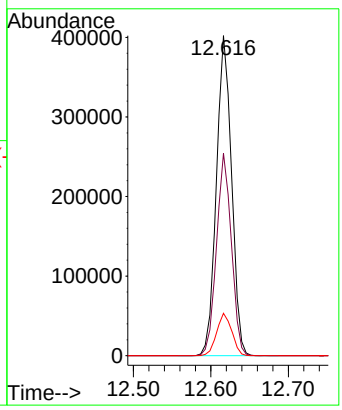
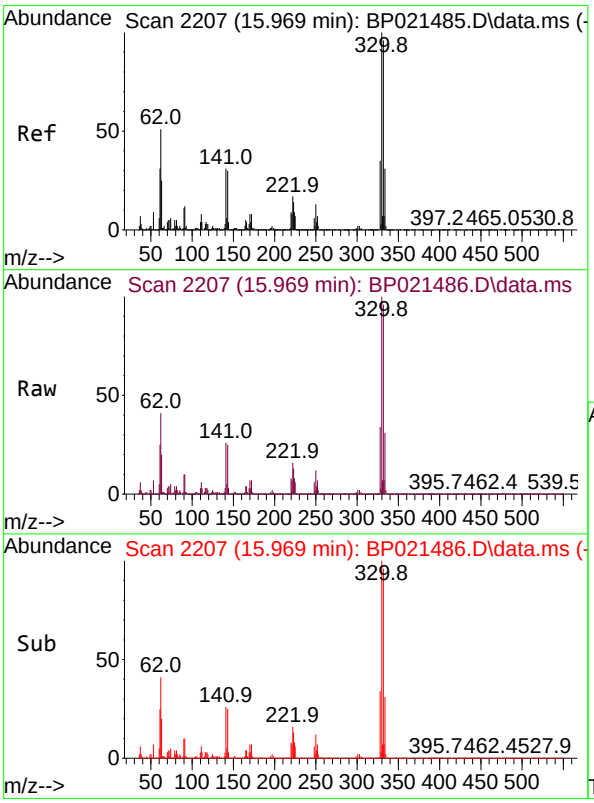
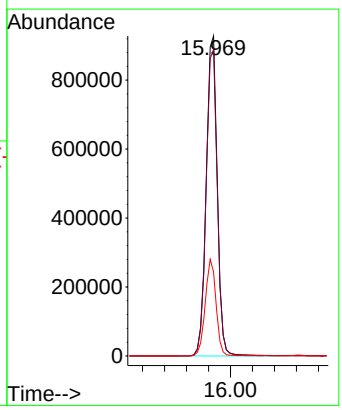


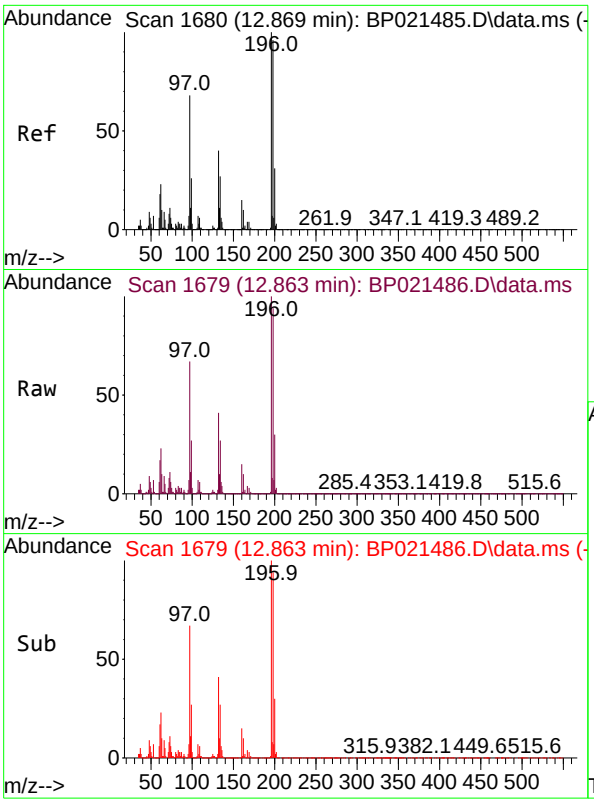


#42
2,4,6-Tribromophenol
Concen: 103.974 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:330 Resp: 1295133

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.8	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 52.124 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 94948

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	30.0	24.5	36.7

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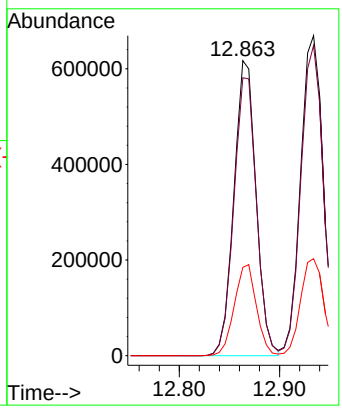
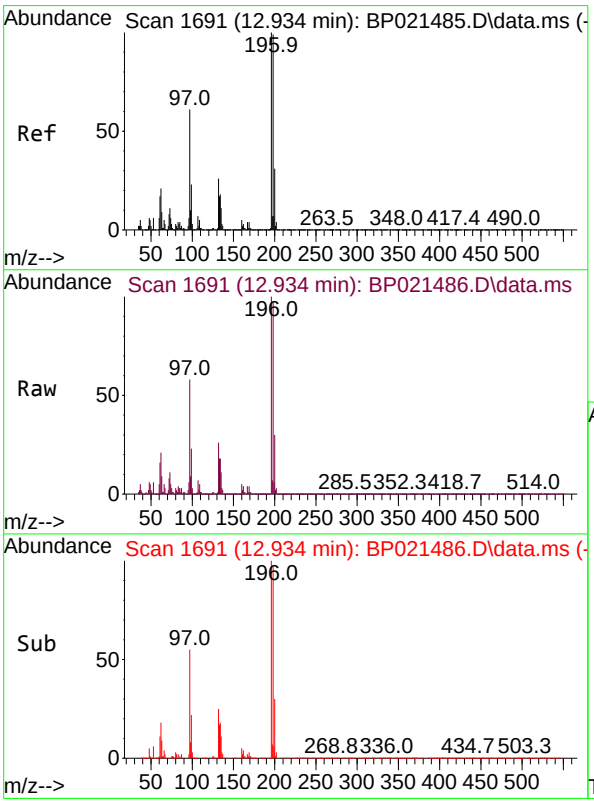
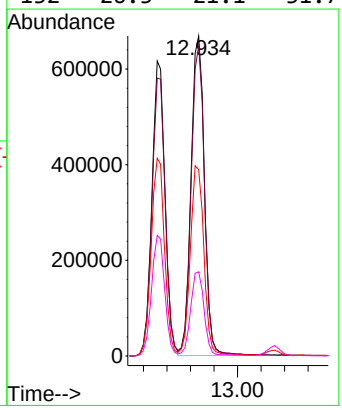


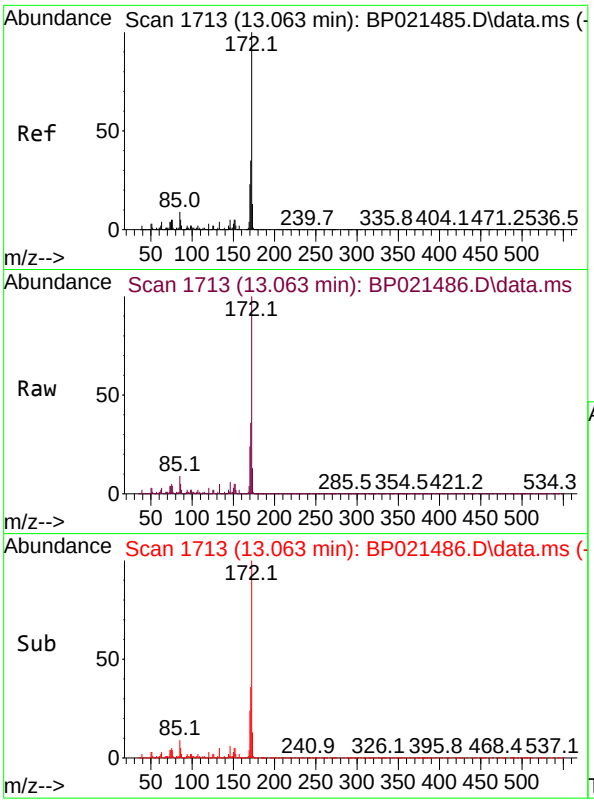


#44
2,4,5-Trichlorophenol
Concen: 52.191 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 1056277

Ion	Ratio	Lower	Upper
196	100		
198	97.0	78.9	118.3
97	58.2	49.4	74.0
132	26.3	21.1	31.7

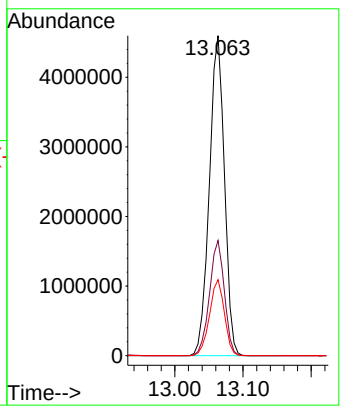




#45
2-Fluorobiphenyl
Concen: 96.455 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:172 Resp: 707351

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.4
170	23.8	18.4	27.6



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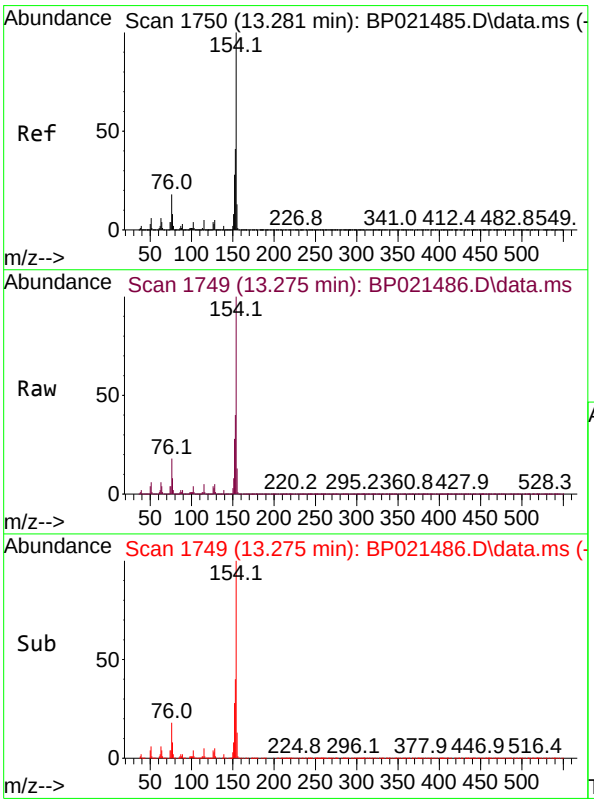
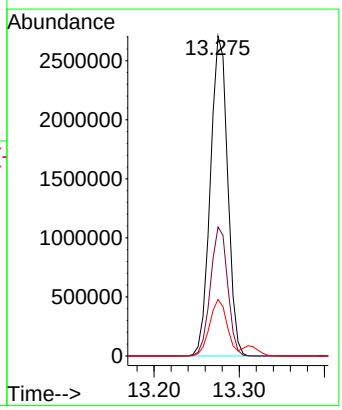
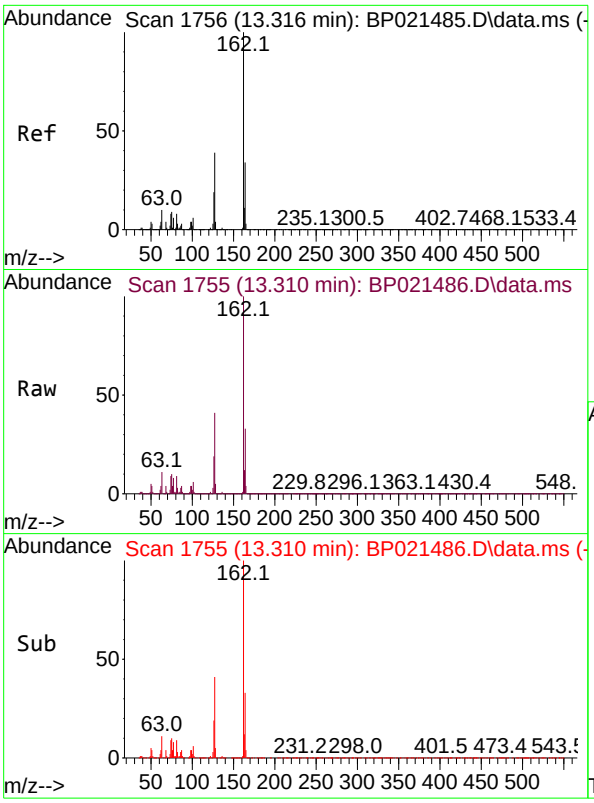


#46
1,1'-Biphenyl
Concen: 48.139 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 3811862

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	17.6	0.0	37.7

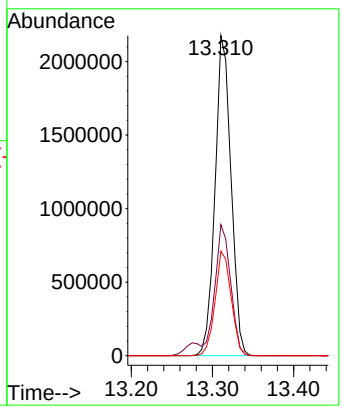




#47
2-Chloronaphthalene
Concen: 48.332 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:162 Resp: 297955

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.7	26.8	40.2



Instrument :
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ClientSampleId :
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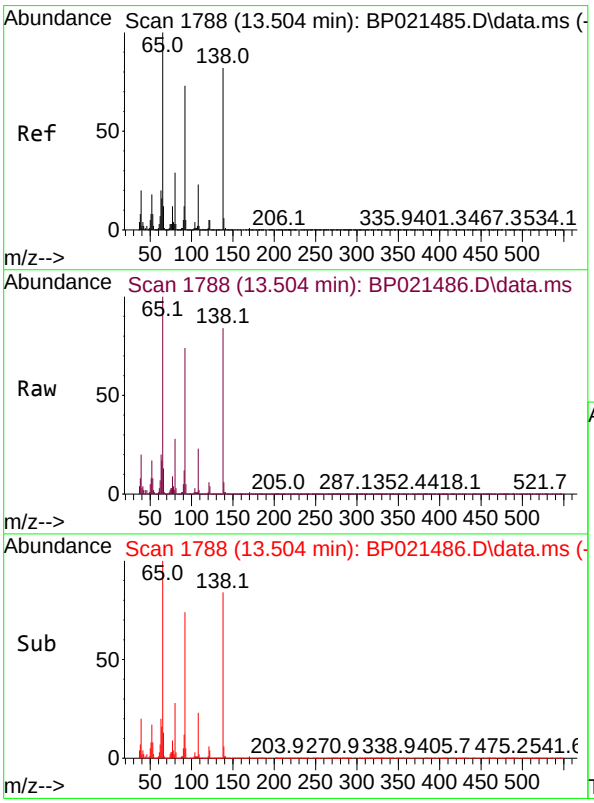
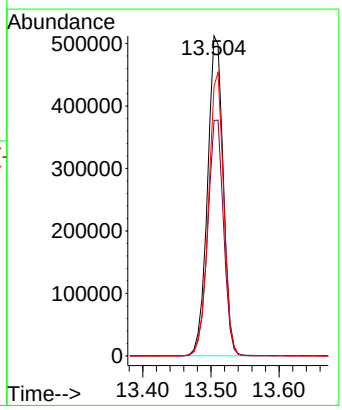
Supervised By :mohammad ahmed 08/14/2024

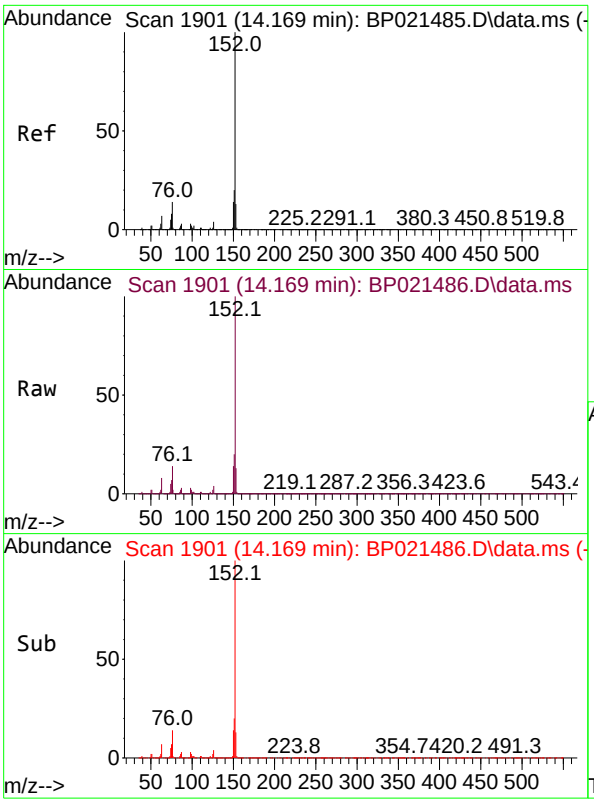


#48
2-Nitroaniline
Concen: 47.603 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 65 Resp: 821676

Ion	Ratio	Lower	Upper
65	100		
92	73.6	58.1	87.1
138	84.3	65.5	98.3





#49
Acenaphthylene
Concen: 48.190 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 436722

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.6	16.0

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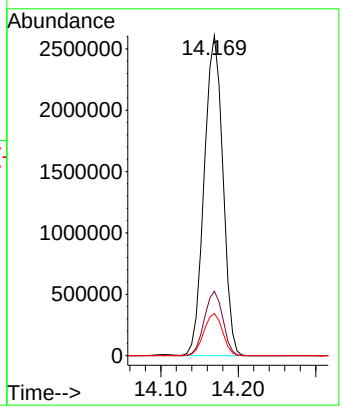
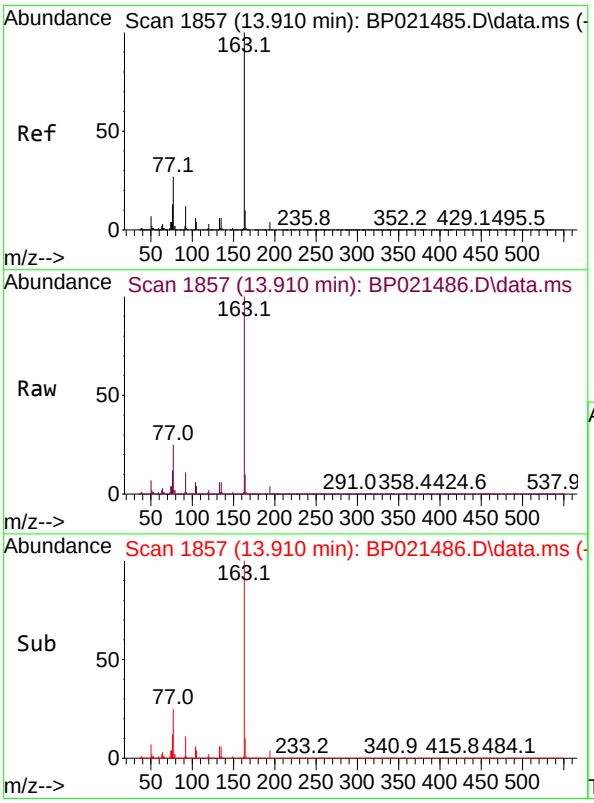
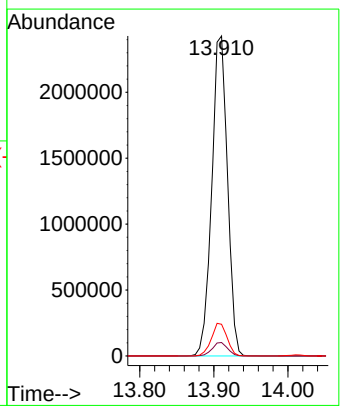


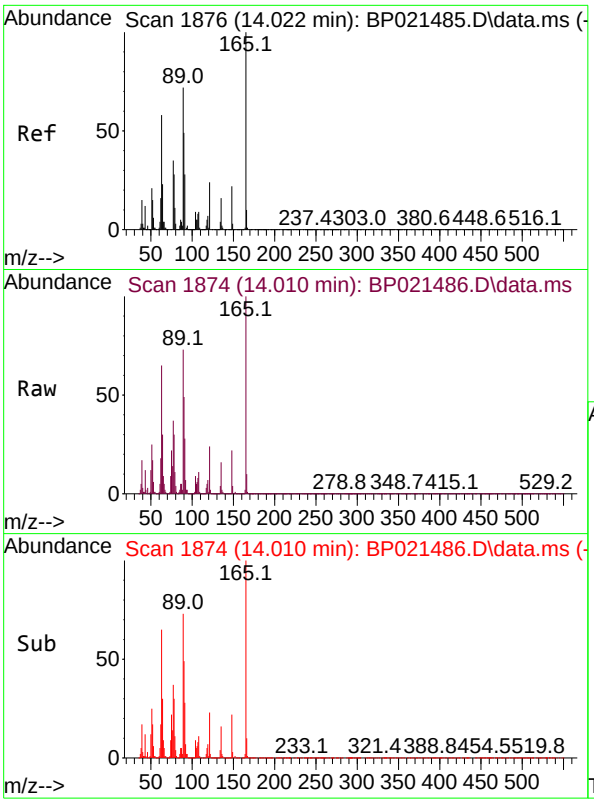


#50
Dimethylphthalate
Concen: 47.620 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:163 Resp: 3569162

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.3	12.5

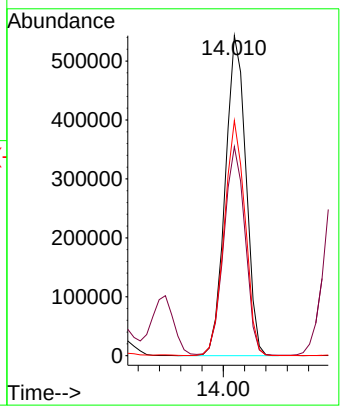




#51
2,6-Dinitrotoluene
Concen: 48.330 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 73126

Ion	Ratio	Lower	Upper
165	100		
63	65.3	51.5	77.3
89	73.4	57.8	86.8



Instrument :
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ClientSampleId :
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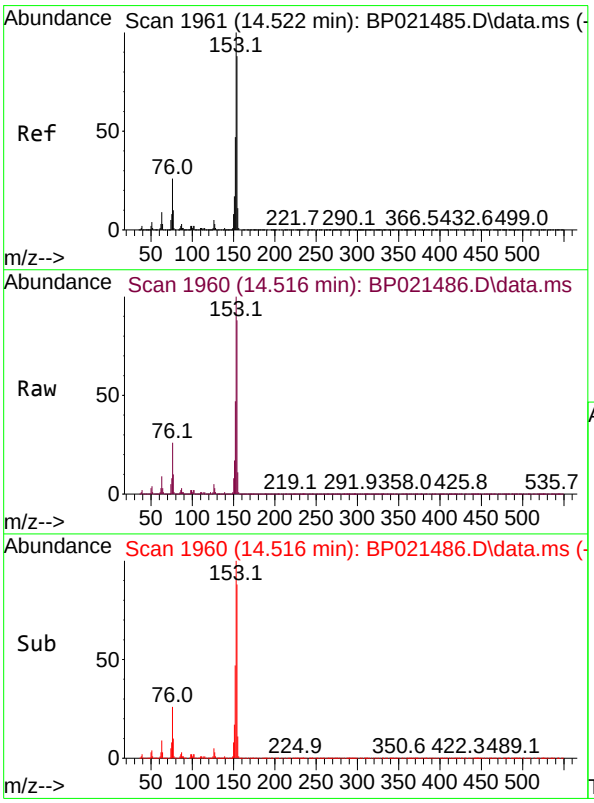
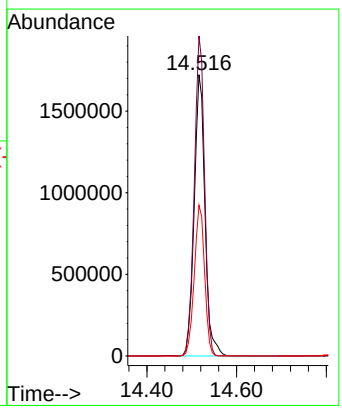
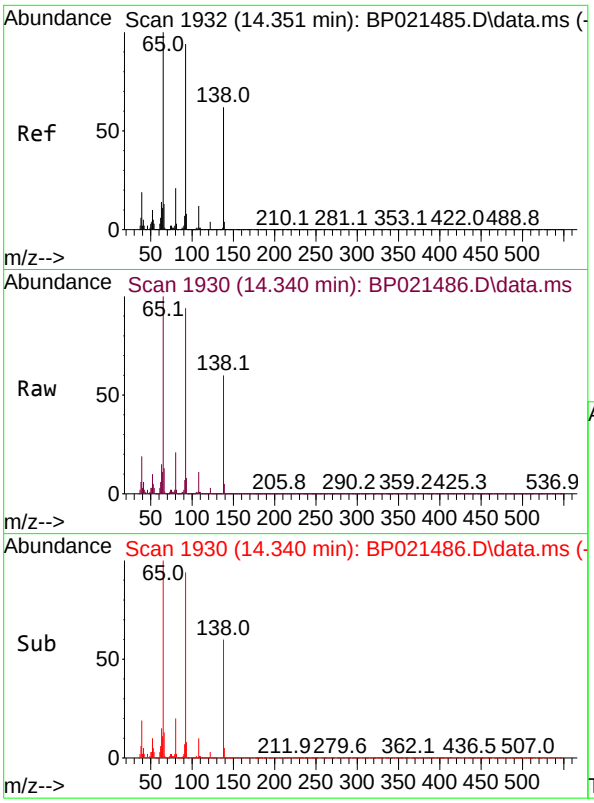


#52
Acenaphthene
Concen: 48.126 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 2861701

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.6	43.0	64.4





#53
3-Nitroaniline
Concen: 47.788 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 71010

Ion	Ratio	Lower	Upper
138	100		
108	17.7	16.2	24.4
92	156.7	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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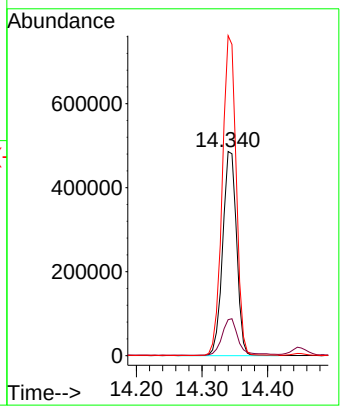
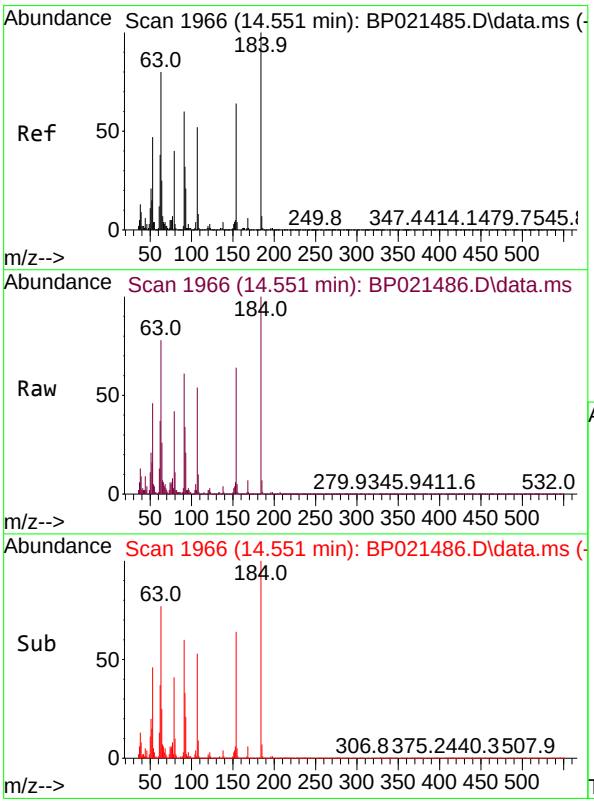
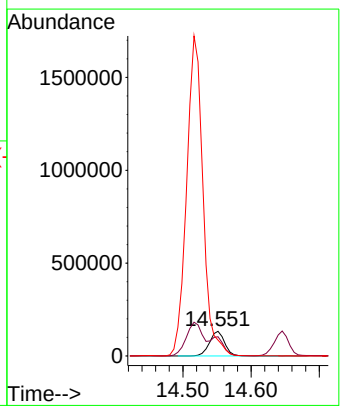


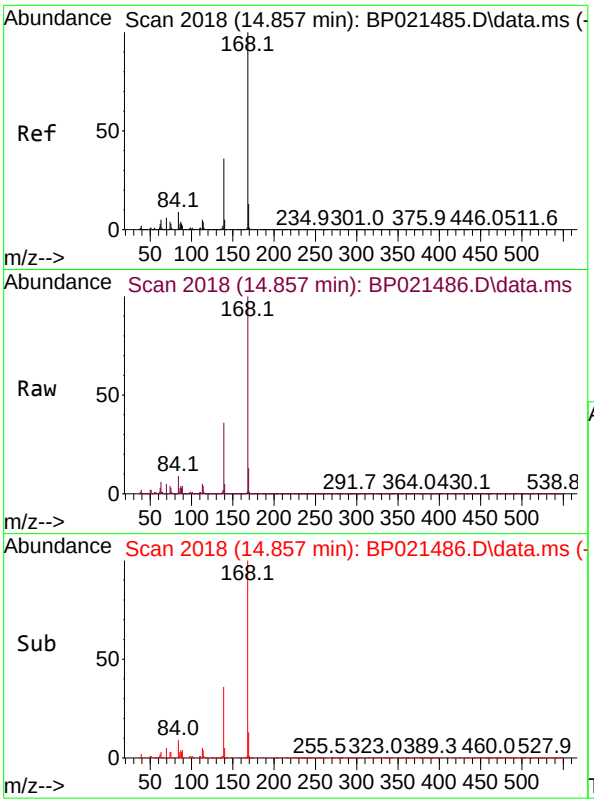


#54
2,4-Dinitrophenol
Concen: 49.369 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 205628

Ion	Ratio	Lower	Upper
184	100		
63	77.6	64.9	97.3
154	64.3	52.1	78.1

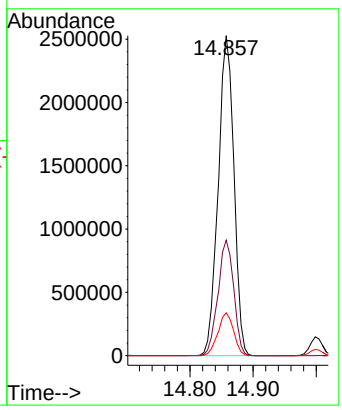




#55
Dibenzofuran
Concen: 47.811 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:168 Resp: 437340

Ion	Ratio	Lower	Upper
168	100		
139	36.1	28.6	43.0
169	13.4	10.6	16.0



Instrument :
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ClientSampleId :
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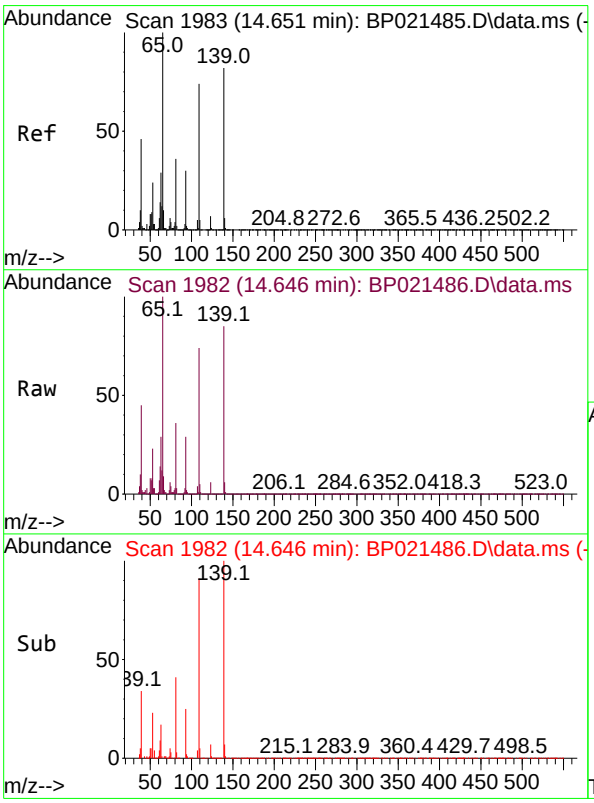
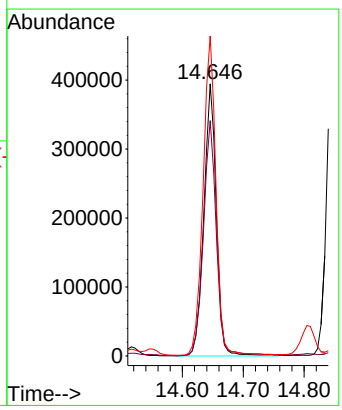
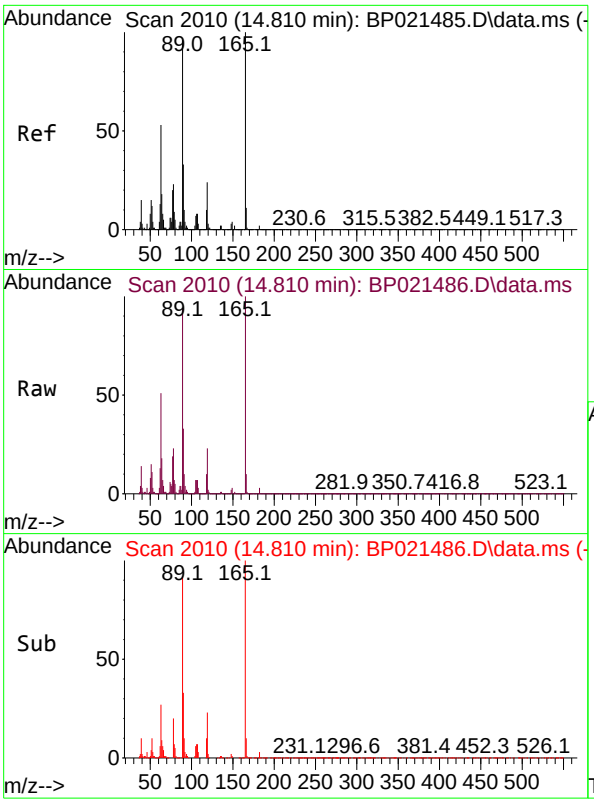


#56
4-Nitrophenol
Concen: 47.429 ng
RT: 14.646 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 562138

Ion	Ratio	Lower	Upper
139	100		
109	86.5	70.2	110.2
65	117.6	101.8	141.8

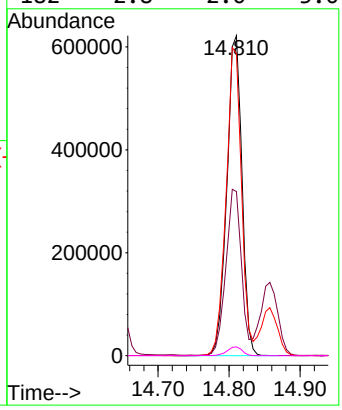




#57
2,4-Dinitrotoluene
Concen: 47.777 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 91837

Ion	Ratio	Lower	Upper
165	100		
63	51.3	42.5	63.7
89	94.4	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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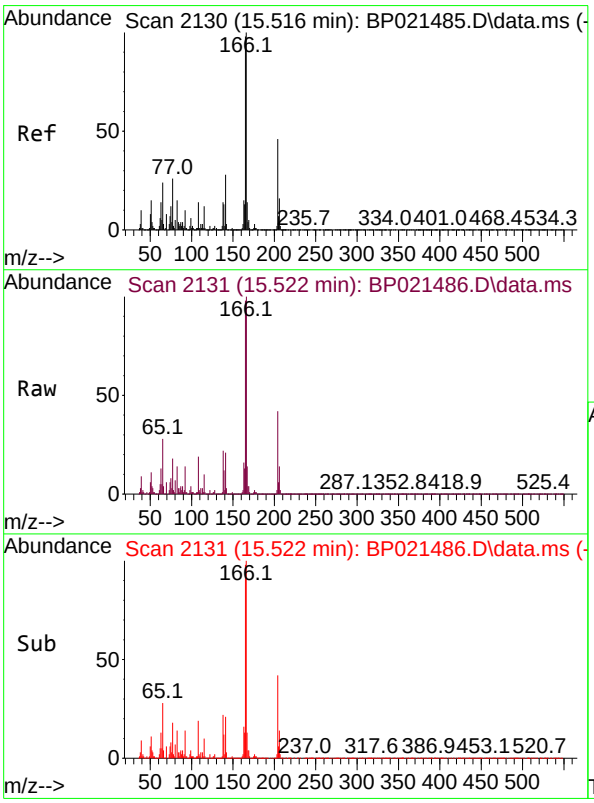
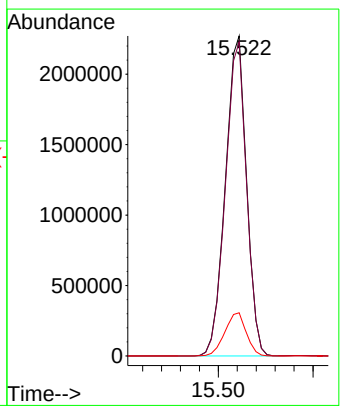
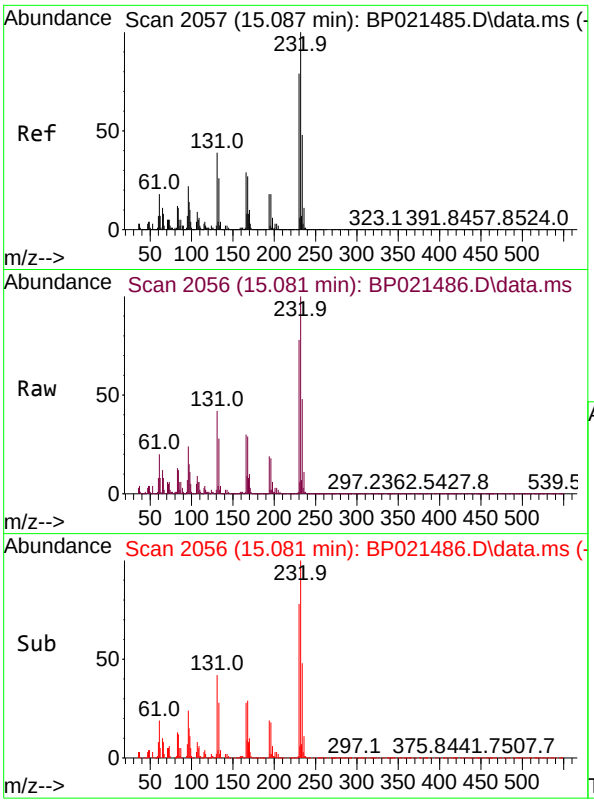


#58
Fluorene
Concen: 46.908 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:166 Resp: 3525015

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.5	11.0	16.4

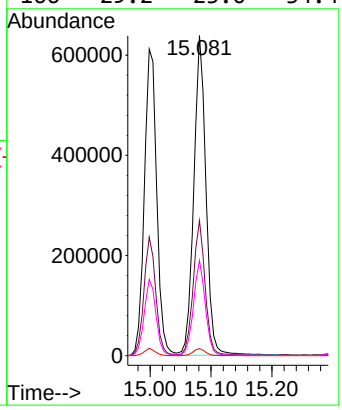




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.558 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:232 Resp: 88568

Ion	Ratio	Lower	Upper
232	100		
131	41.1	33.1	49.7
130	2.3	1.7	2.5
166	29.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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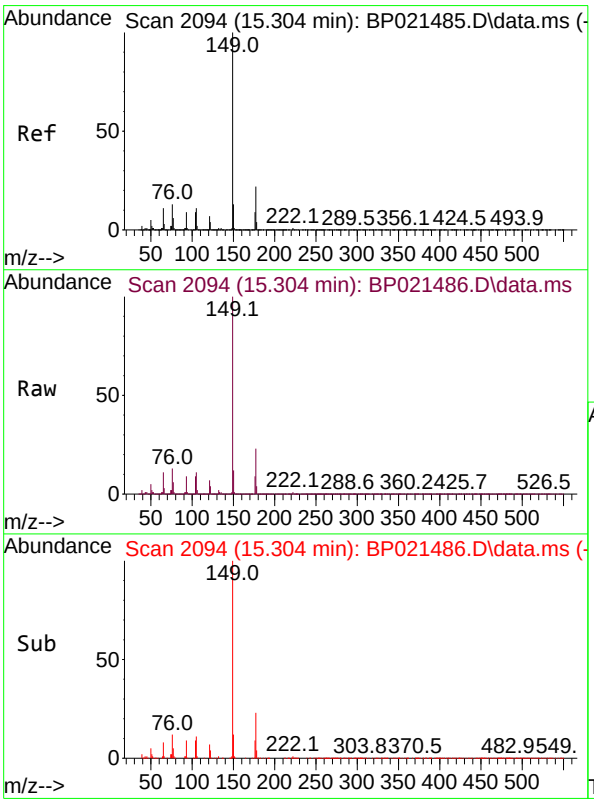
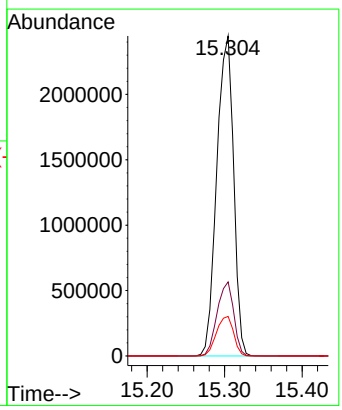
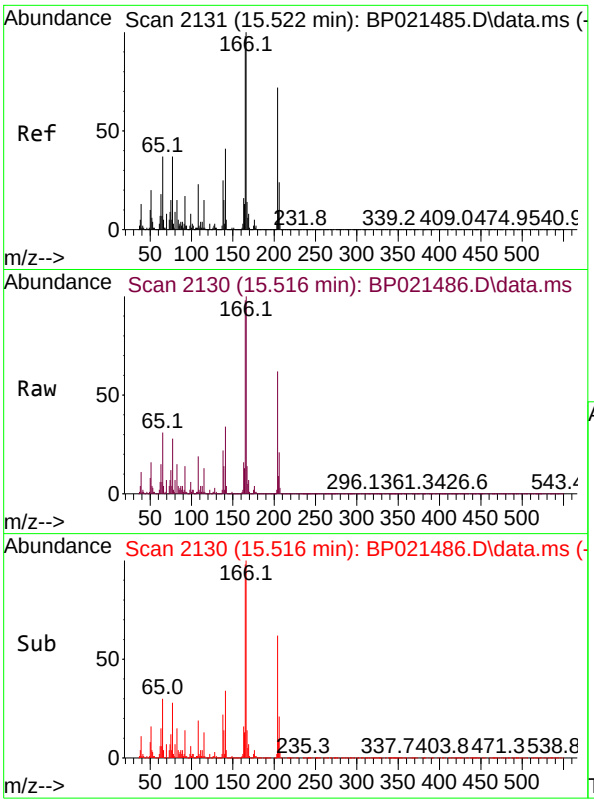


#60
Diethylphthalate
Concen: 47.945 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 3687157

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.4	10.1	15.1

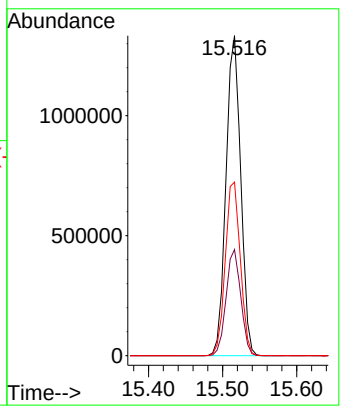




#61
4-Chlorophenyl-phenylether
Concen: 47.272 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:204 Resp: 183623

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	54.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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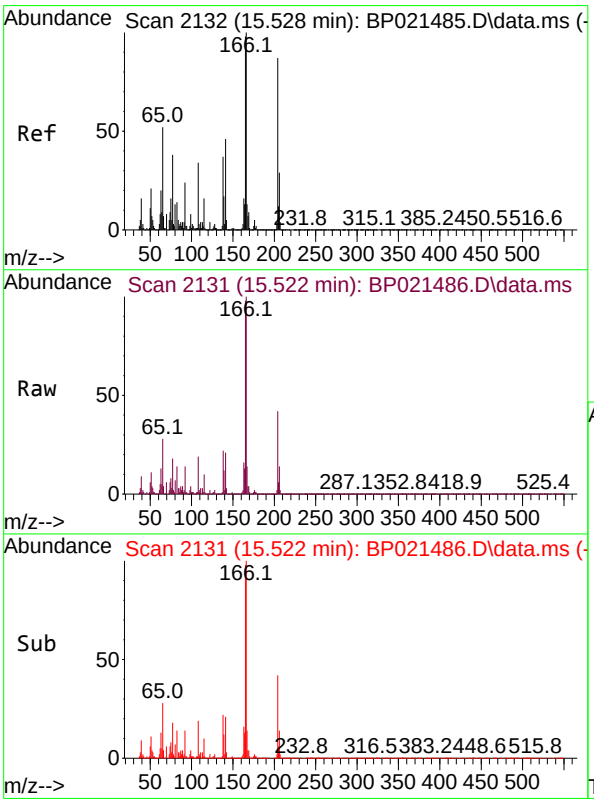
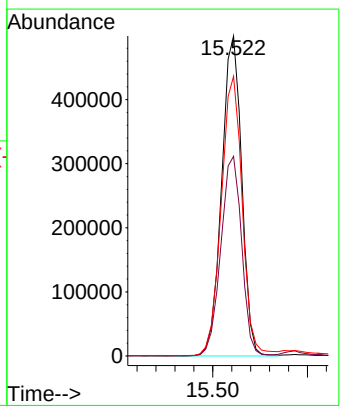
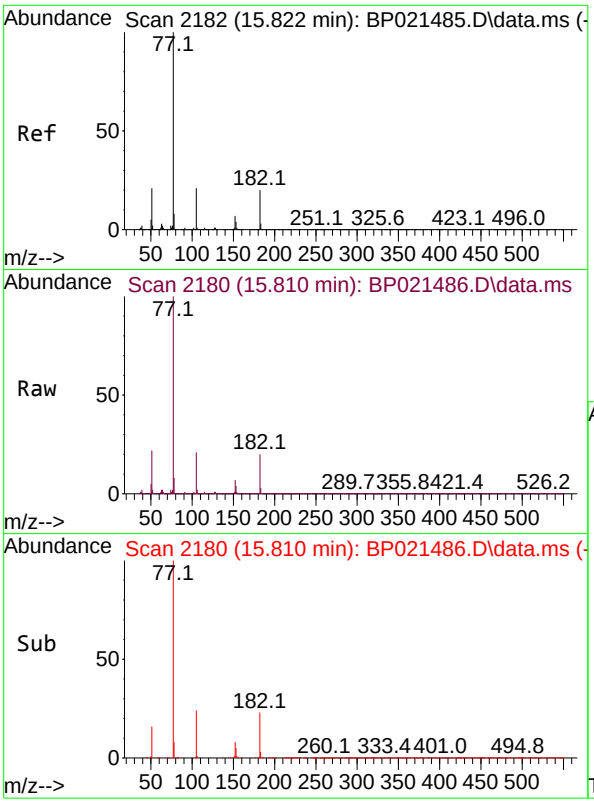


#62
4-Nitroaniline
Concen: 47.987 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 733231

Ion	Ratio	Lower	Upper
138	100		
92	62.4	46.4	86.4
108	87.4	73.2	113.2

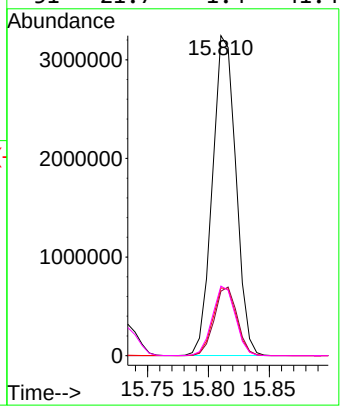




#63
Azobenzene
Concen: 46.014 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 434986

Ion	Ratio	Lower	Upper
77	100		
182	20.1	0.0	39.9
105	21.2	0.9	40.9
51	21.7	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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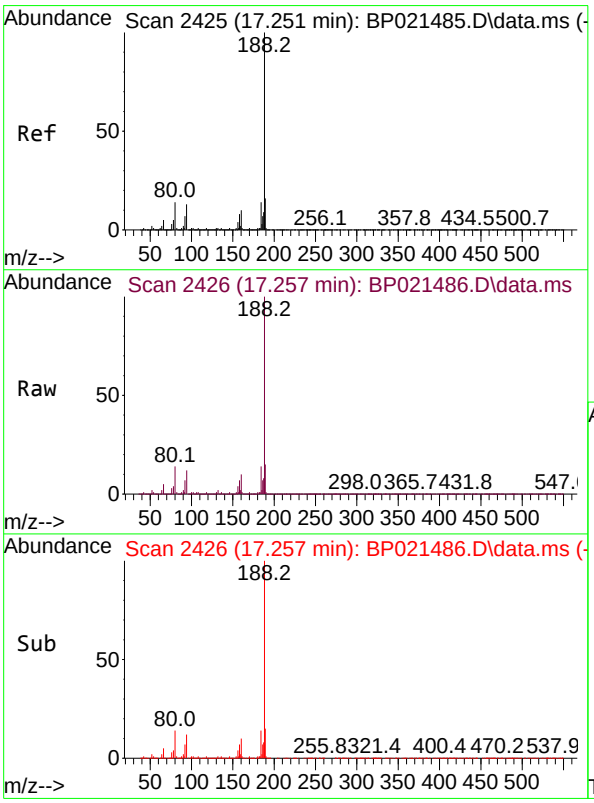
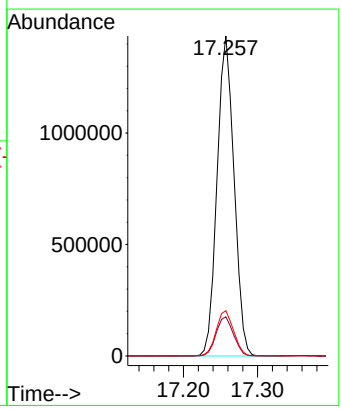
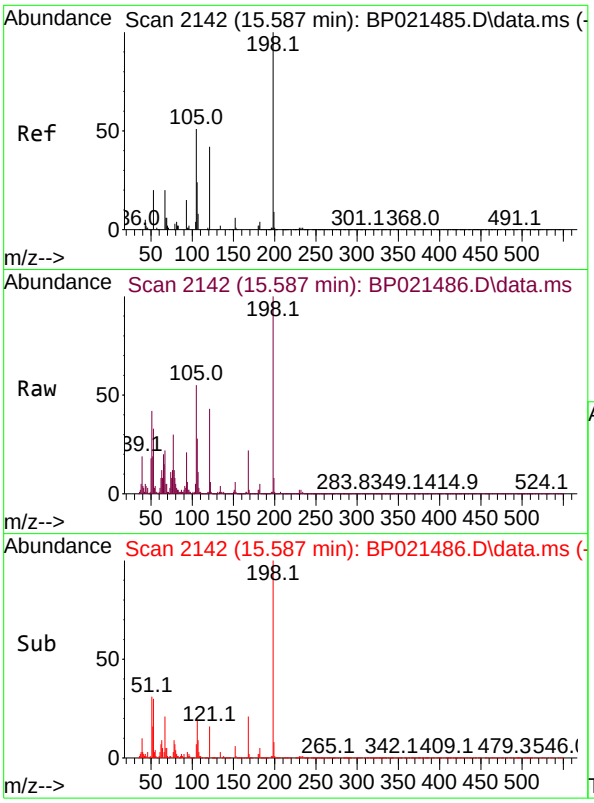


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:188 Resp: 2278560

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.4
80	14.1	11.6	17.4

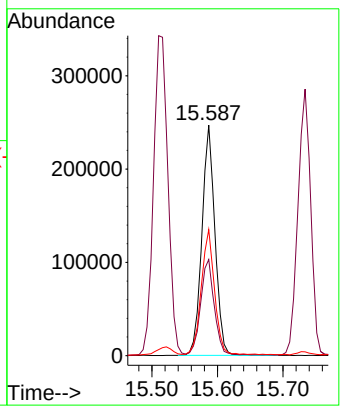




#65
4,6-Dinitro-2-methylphenol
Concen: 49.749 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:198 Resp: 34205

Ion	Ratio	Lower	Upper
198	100		
51	41.7	21.5	61.5
105	54.7	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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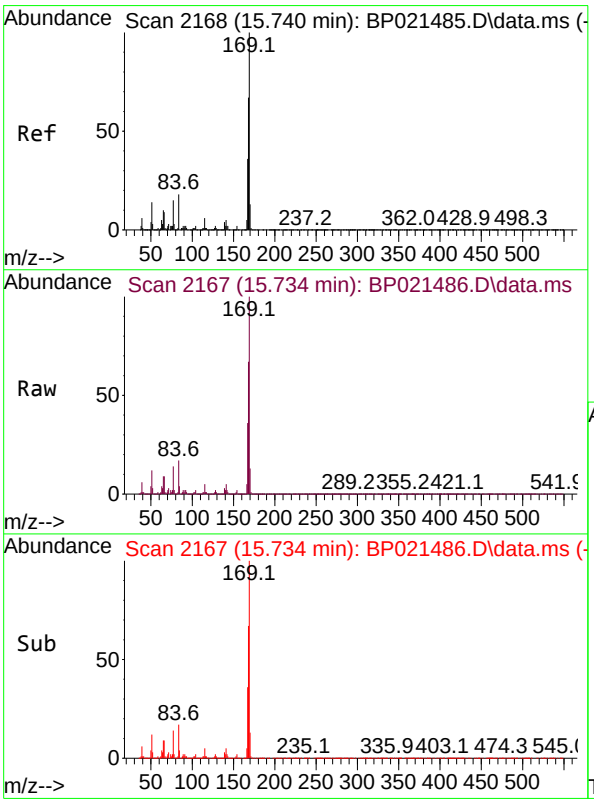
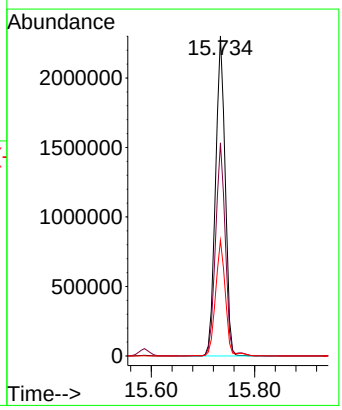
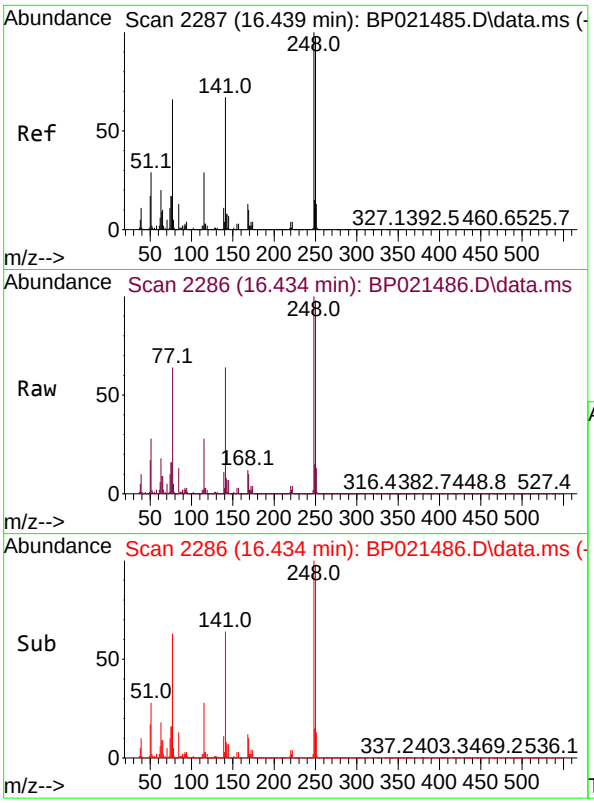


#66
n-Nitrosodiphenylamine
Concen: 48.807 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:169 Resp: 2980276

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.1	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 49.707 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:248 Resp: 119868

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	117.8
141	64.0	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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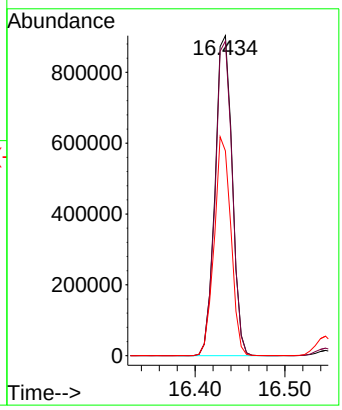
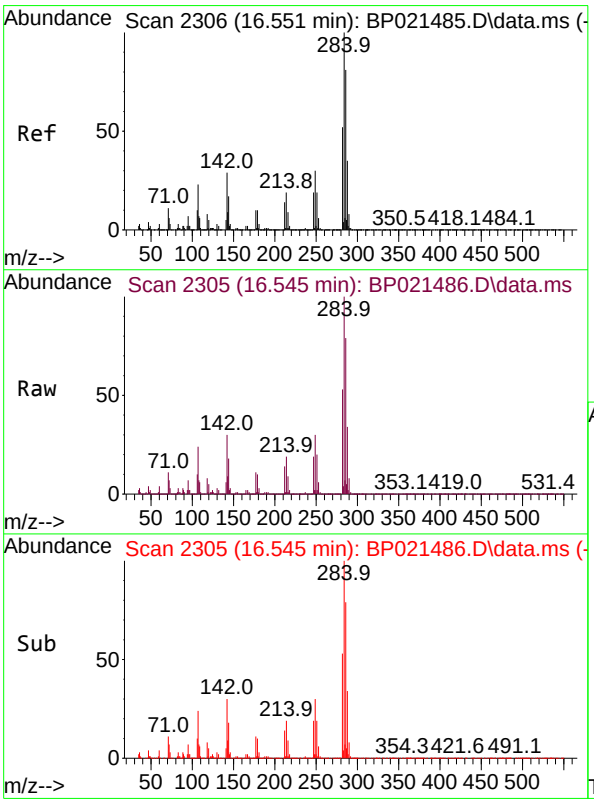
Supervised By :mohammad ahmed 08/14/2024

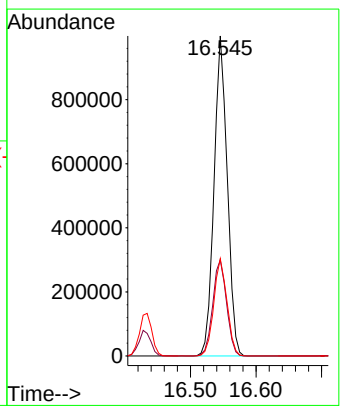


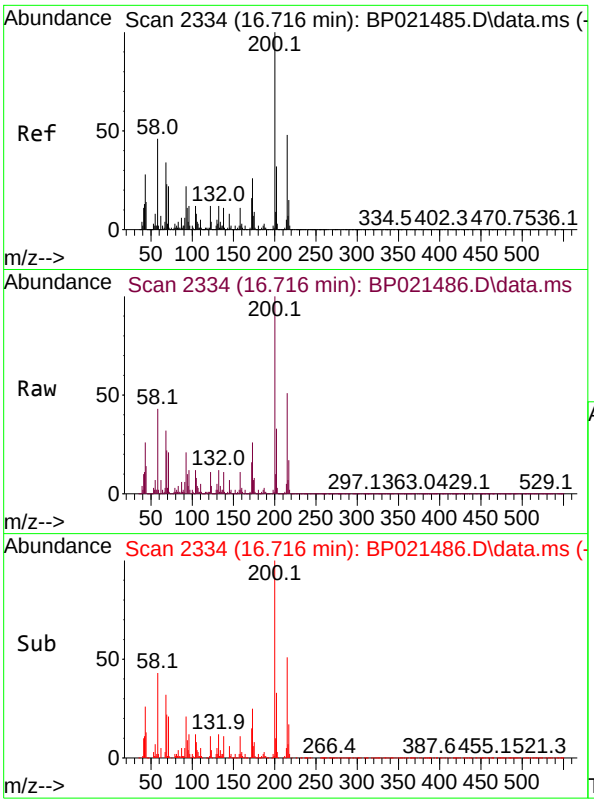


#68
Hexachlorobenzene
Concen: 48.961 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:284 Resp: 1395323

Ion	Ratio	Lower	Upper
284	100		
142	30.0	23.4	35.2
249	30.4	24.1	36.1





#69
Atrazine
Concen: 48.608 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 101905

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.2	46.2
215	50.5	28.4	68.4

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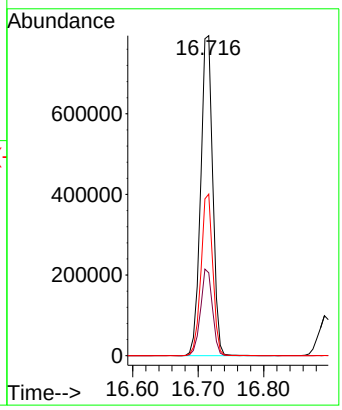
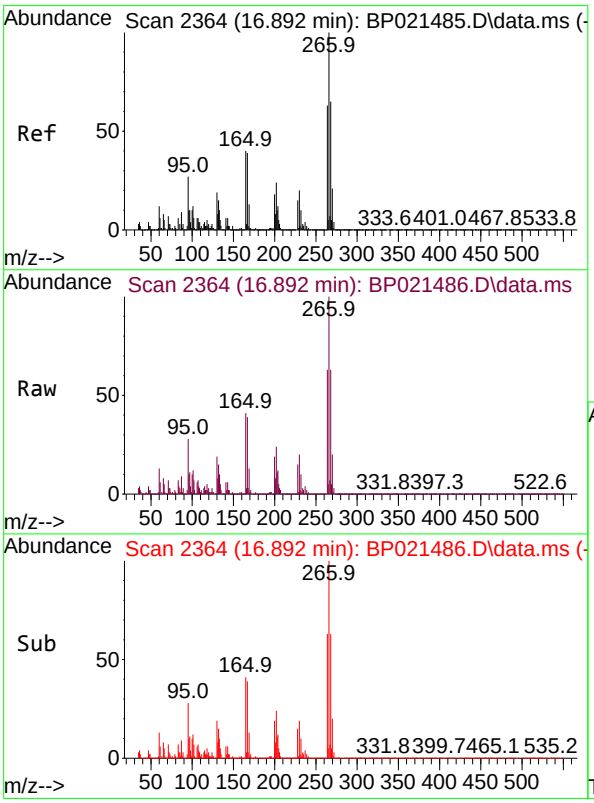
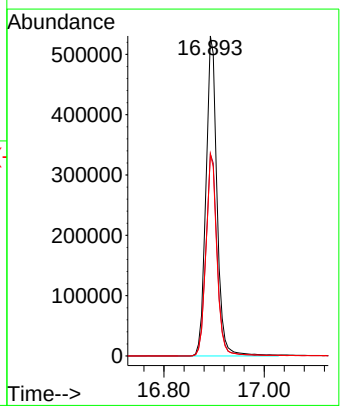


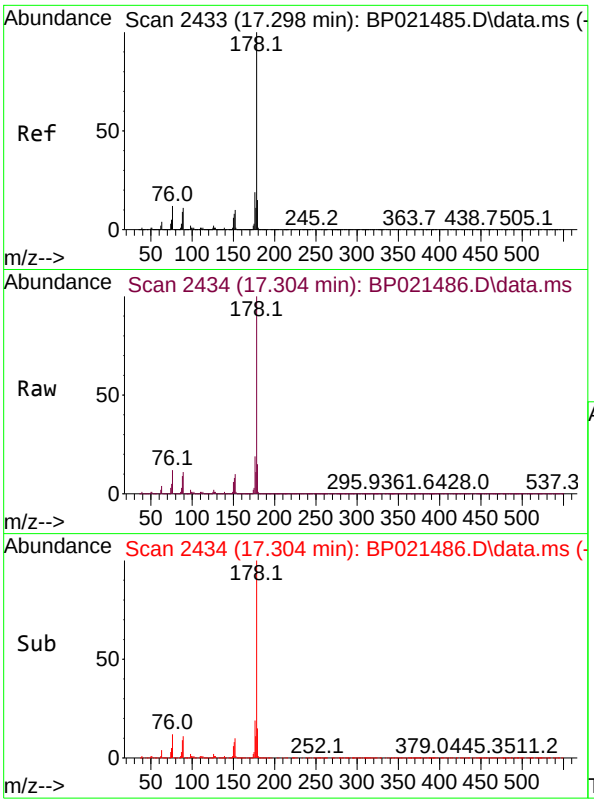


#70
Pentachlorophenol
Concen: 52.206 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:266 Resp: 812046

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.8	77.6
264	63.1	50.5	75.7

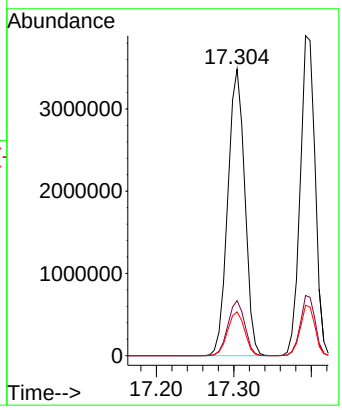




#71
Phenanthrene
Concen: 48.447 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 530889

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
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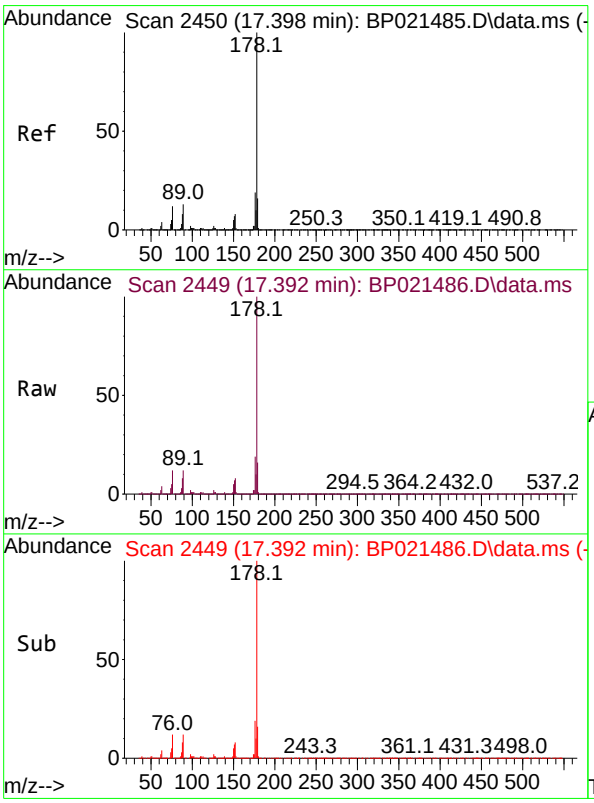
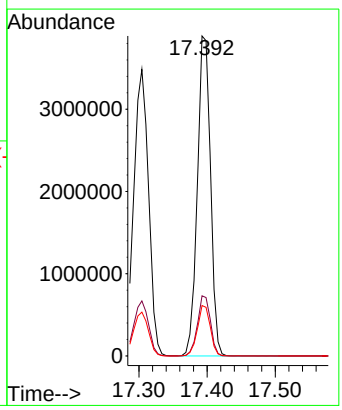
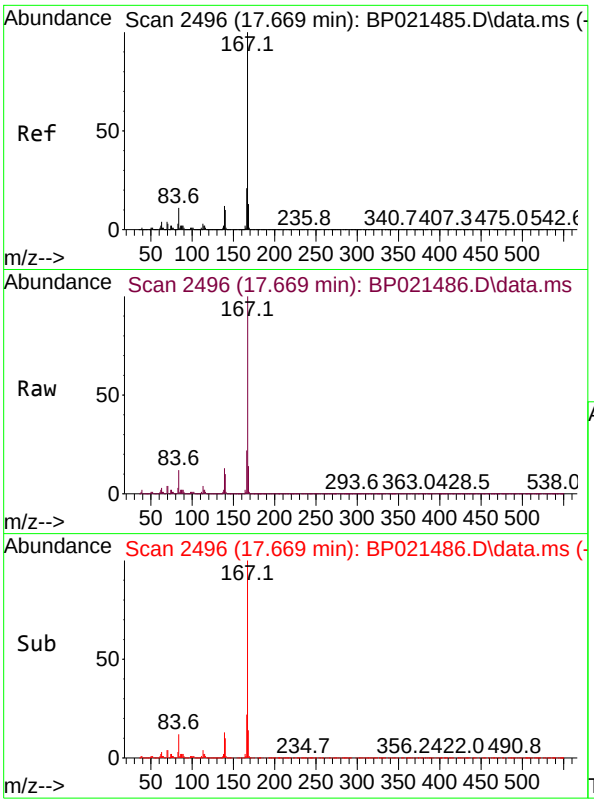


#72
Anthracene
Concen: 48.503 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 5212543

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7

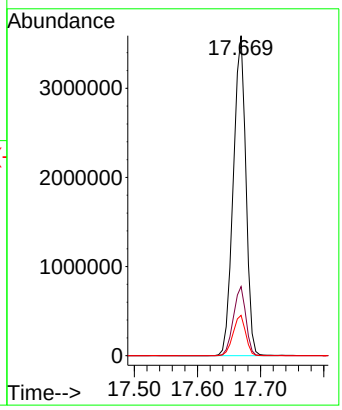




#73
Carbazole
Concen: 48.027 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:167 Resp: 497416

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.6	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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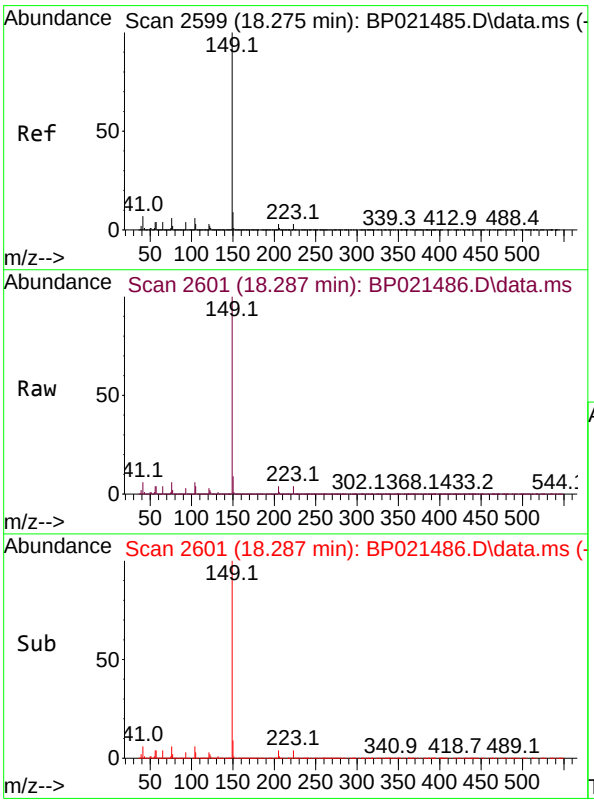
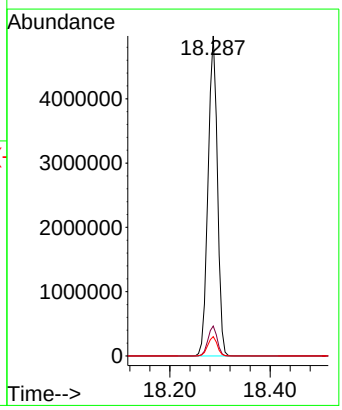
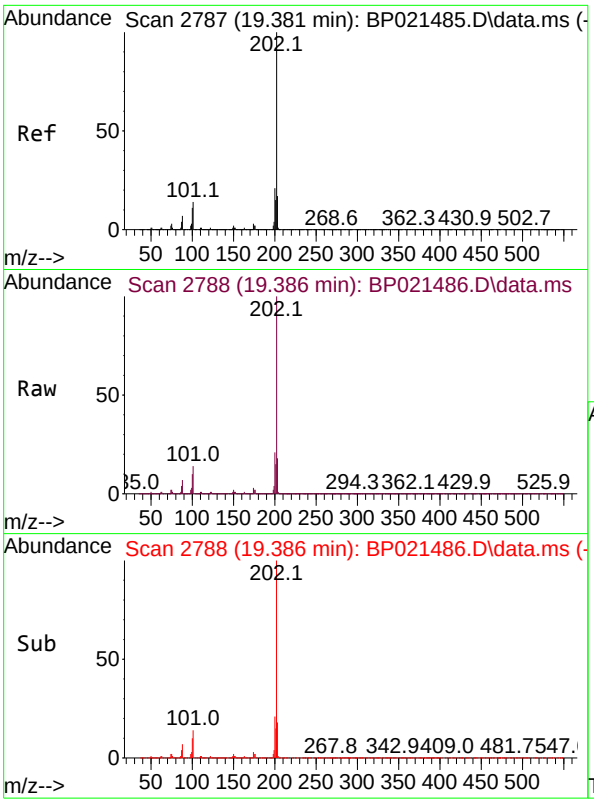


#74
Di-n-butylphthalate
Concen: 50.745 ng
RT: 18.287 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 6454560

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.0	4.9	7.3

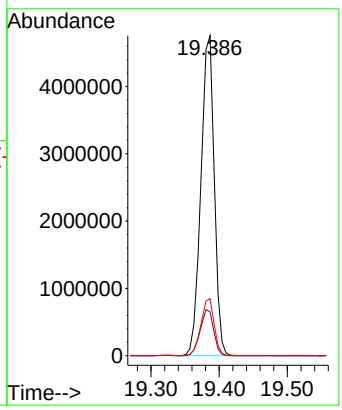




#75
Fluoranthene
Concen: 48.166 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 647613

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.0
203	17.8	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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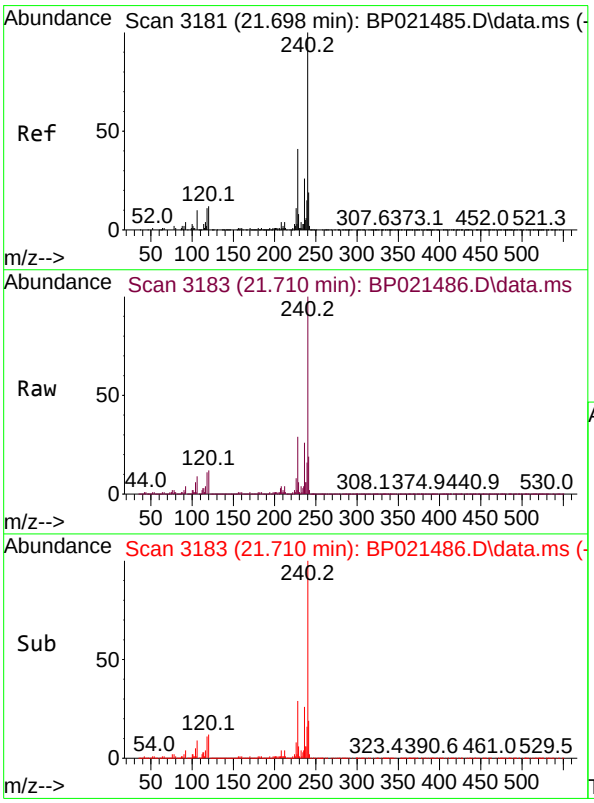
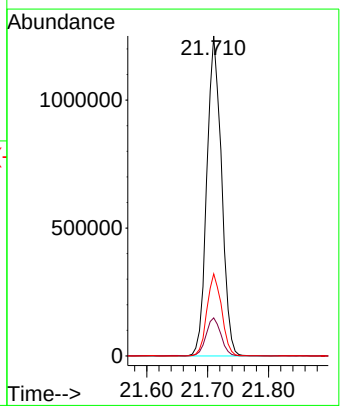
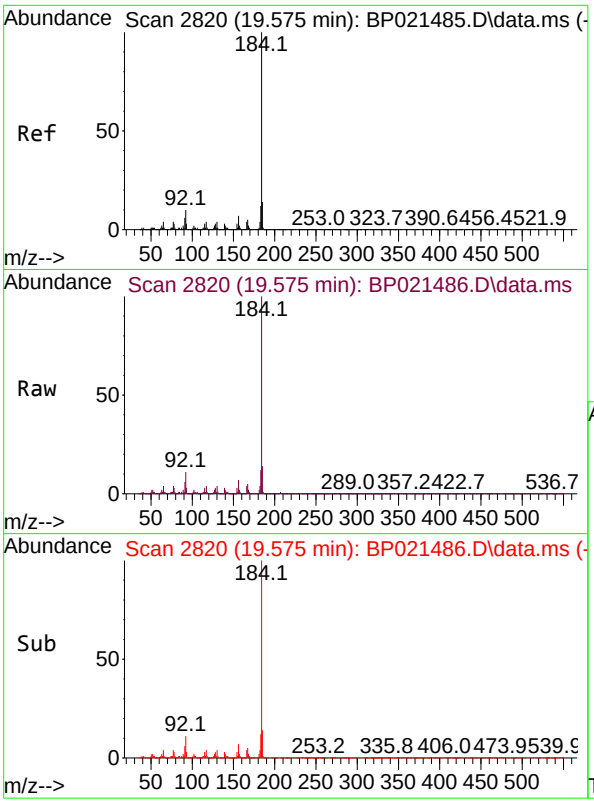


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:240 Resp: 2093381

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.9	14.9
236	25.7	20.6	30.8

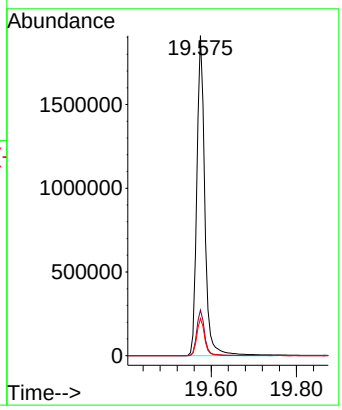




#77
Benzidine
Concen: 52.808 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 249365

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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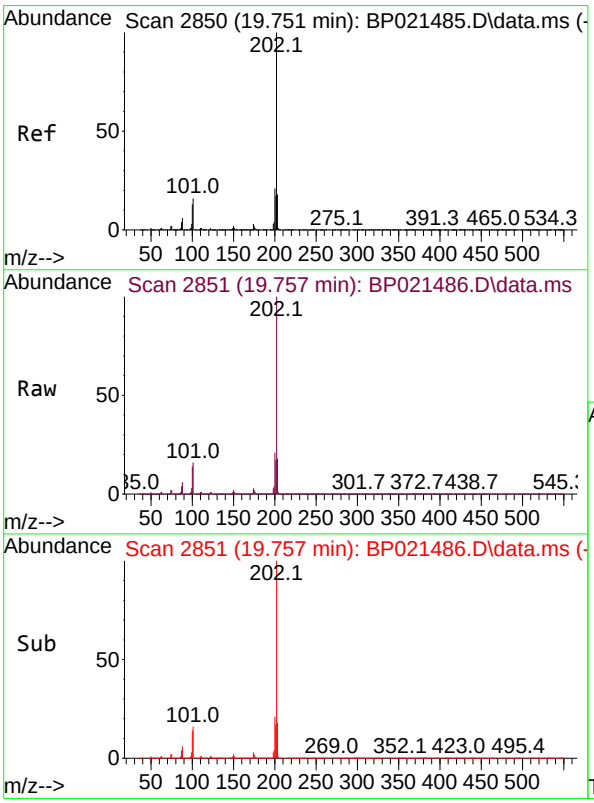
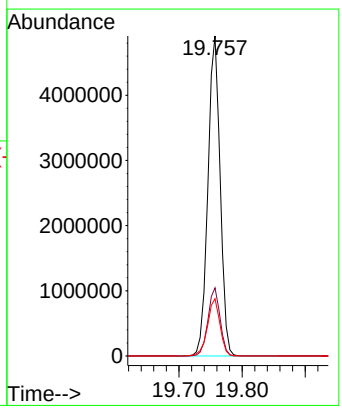
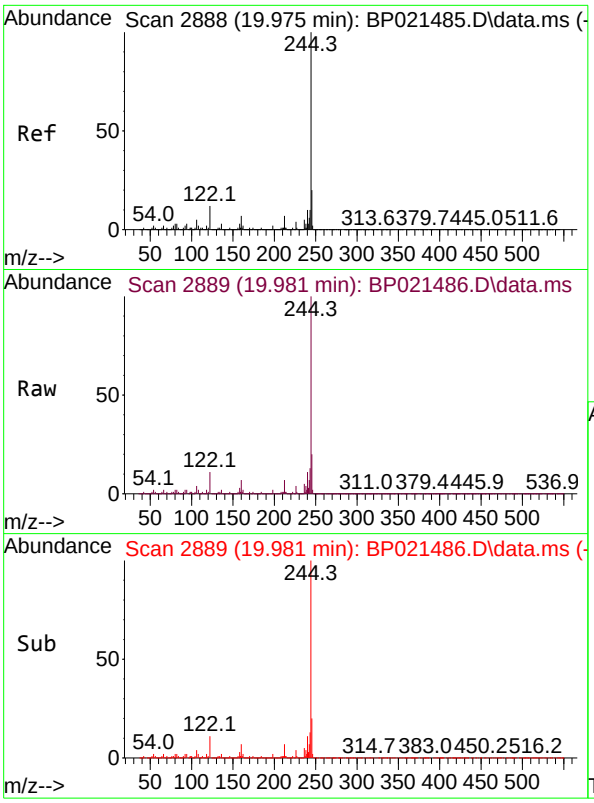


#78
Pyrene
Concen: 48.263 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 6603640

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.9	14.1	21.1

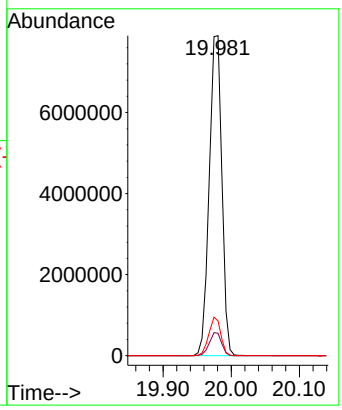




#79
Terphenyl-d14
Concen: 94.554 ng
RT: 19.981 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:244 Resp:1018862

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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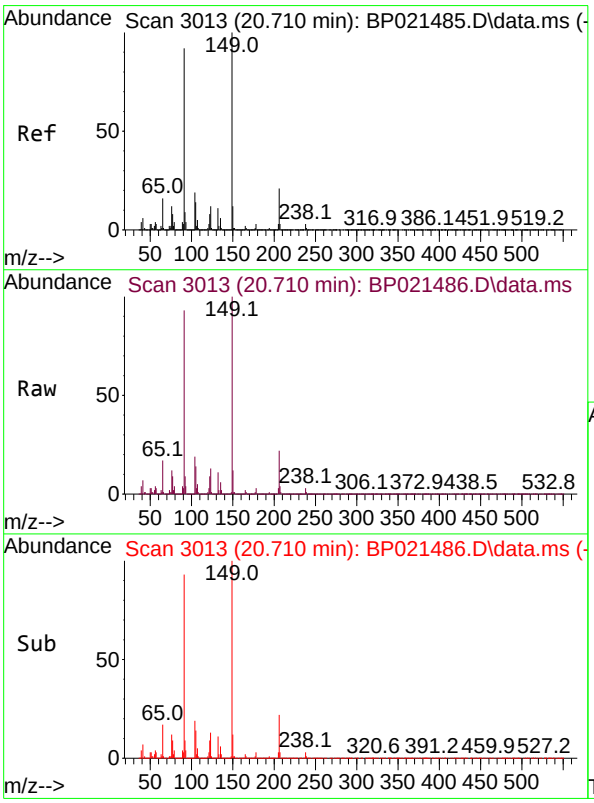
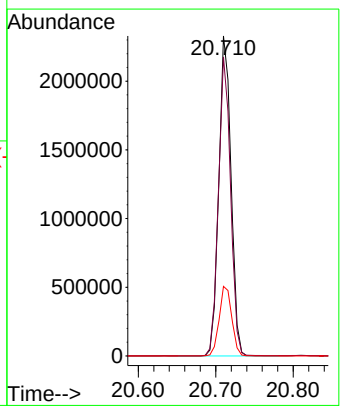
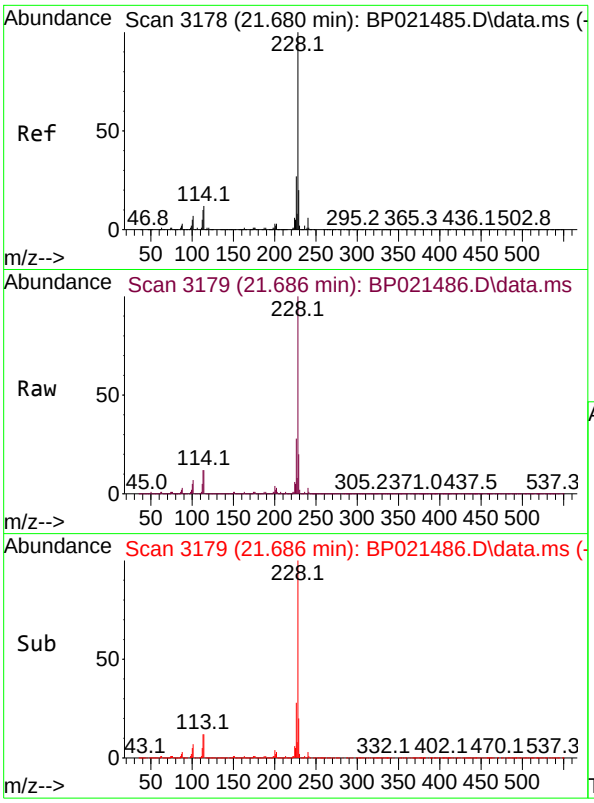


#80
Butylbenzylphthalate
Concen: 49.198 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 2559896

Ion	Ratio	Lower	Upper
149	100		
91	93.4	73.3	109.9
206	21.8	17.1	25.7





#81
Benzo(a)anthracene
Concen: 48.741 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:228 Resp: 640529

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.2
229	19.8	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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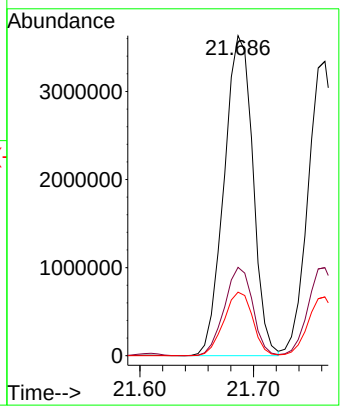
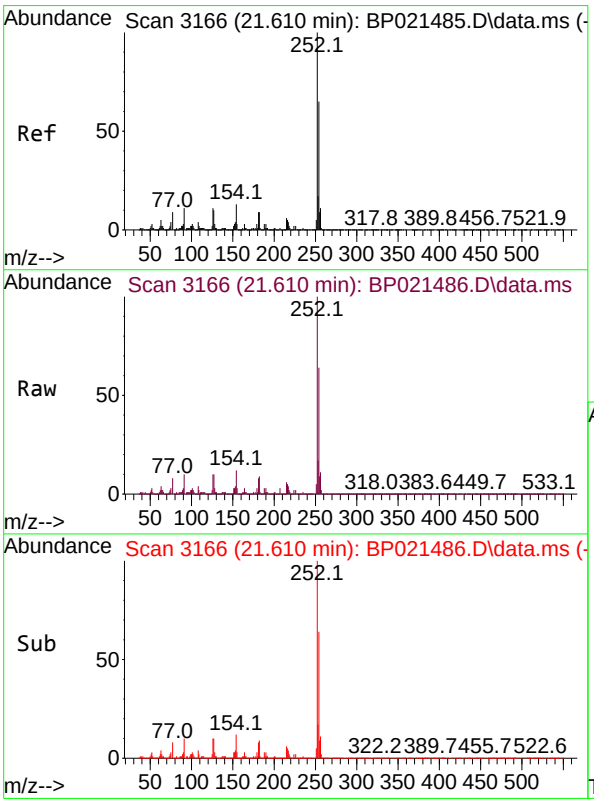
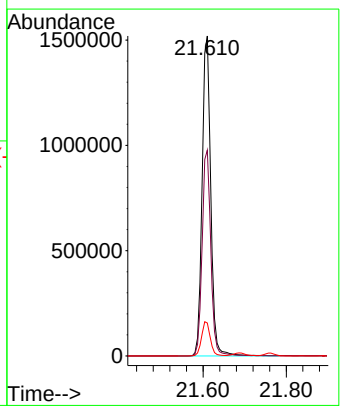


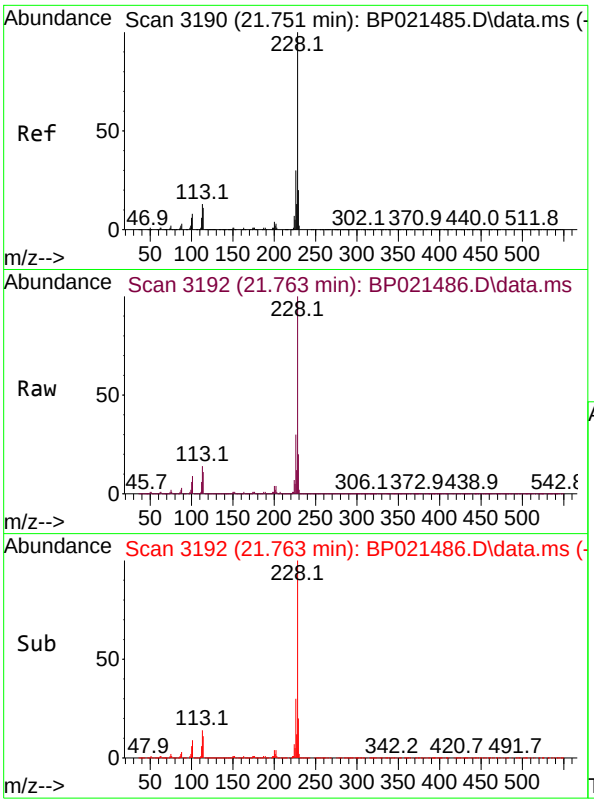


#82
3,3'-Dichlorobenzidine
Concen: 52.013 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 2191535

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	10.3	8.7	13.1

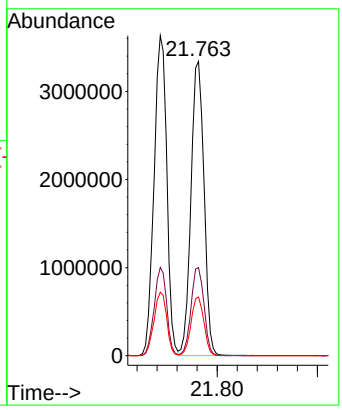




#83
Chrysene
Concen: 48.555 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:228 Resp: 602446

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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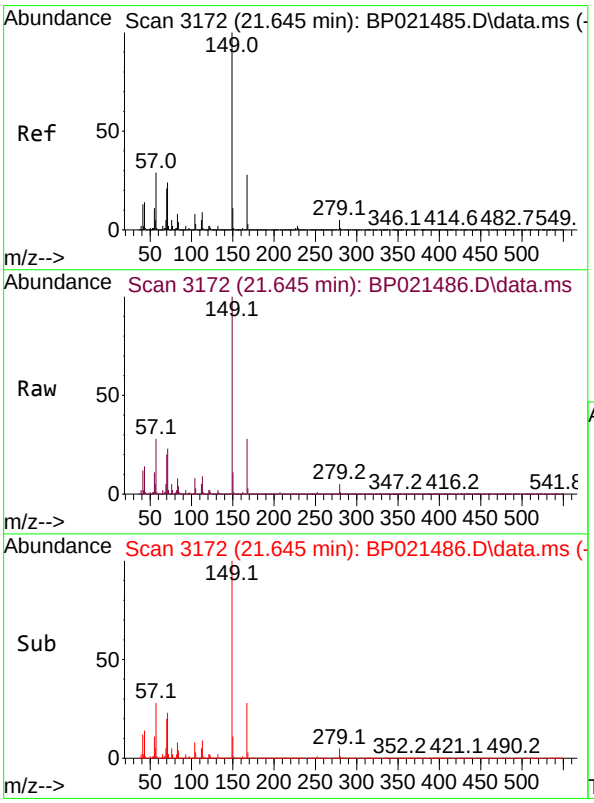
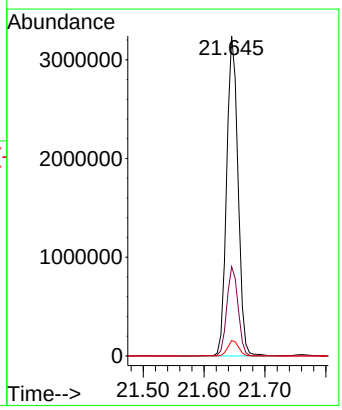
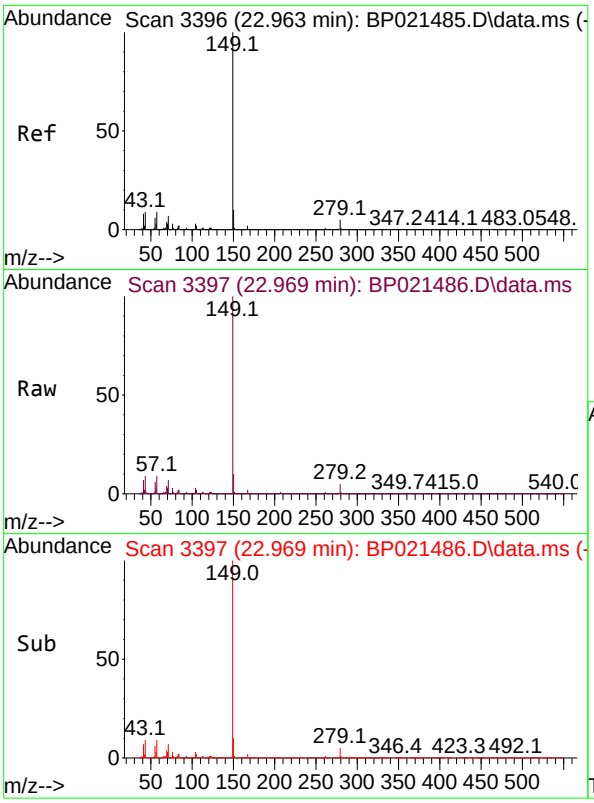


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.143 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 4205342

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.8	3.8	5.6

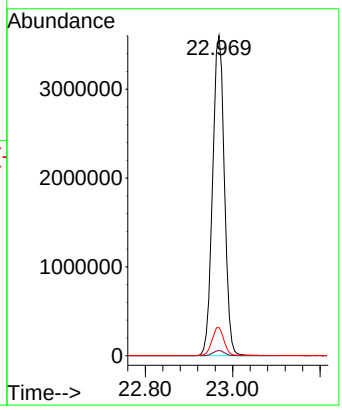




#85
Di-n-octyl phthalate
Concen: 49.144 ng
RT: 22.969 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 672254

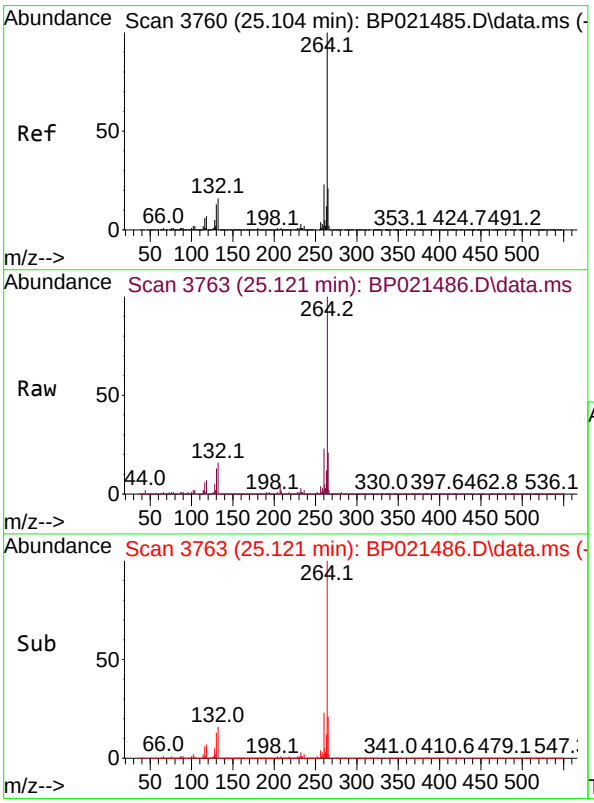
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

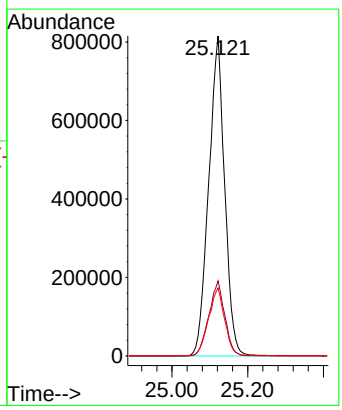
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

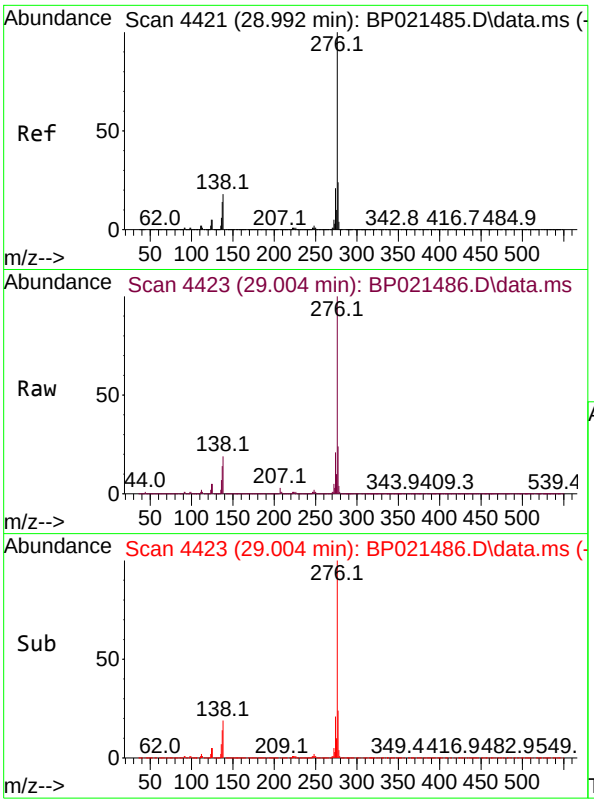


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:264 Resp: 2377136

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.2	17.1	25.7

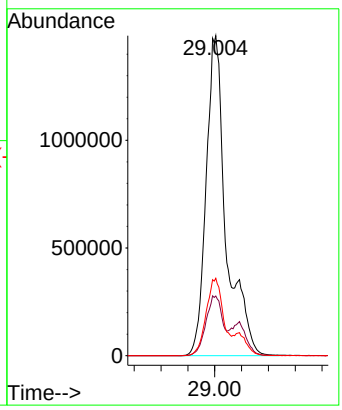




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.025 ng m
RT: 29.004 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 770746

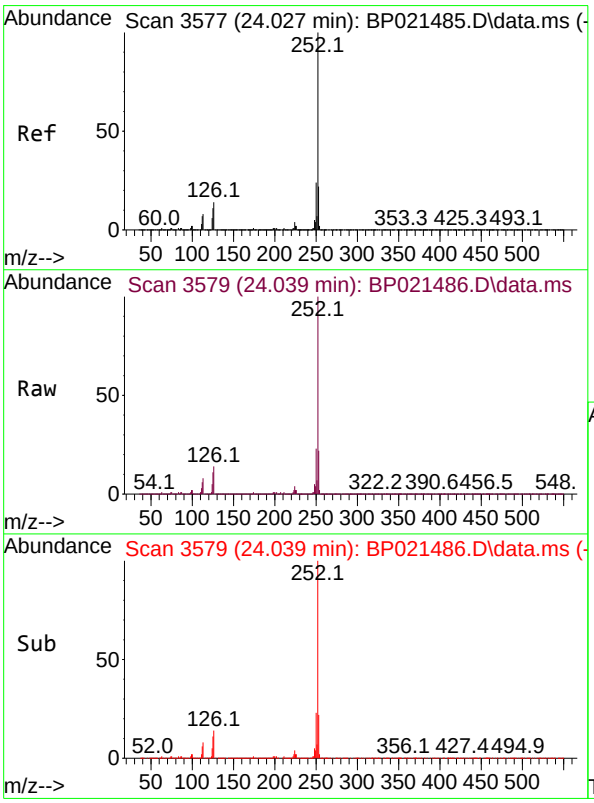
Ion	Ratio	Lower	Upper
276	100		
138	15.5	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

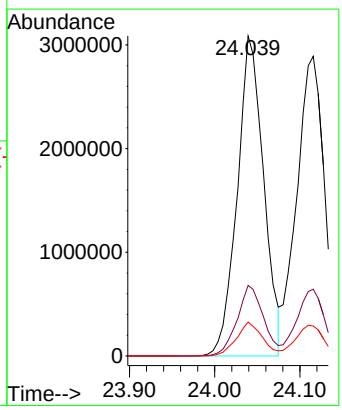
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

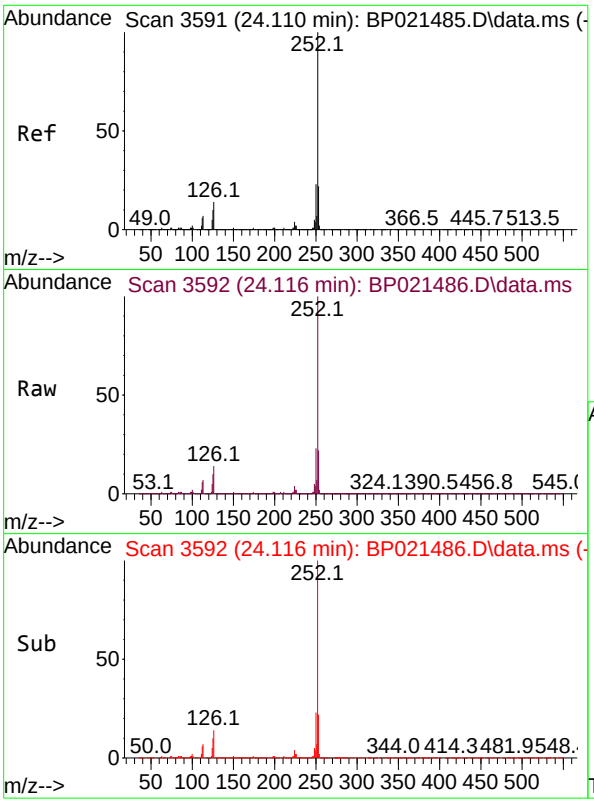


#88
Benzo(b)fluoranthene
Concen: 48.689 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 6647186

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 49.204 ng
RT: 24.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

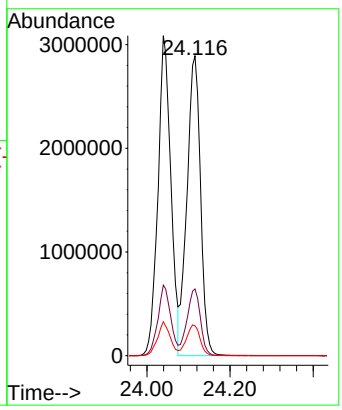
Tgt Ion:252 Resp: 655298

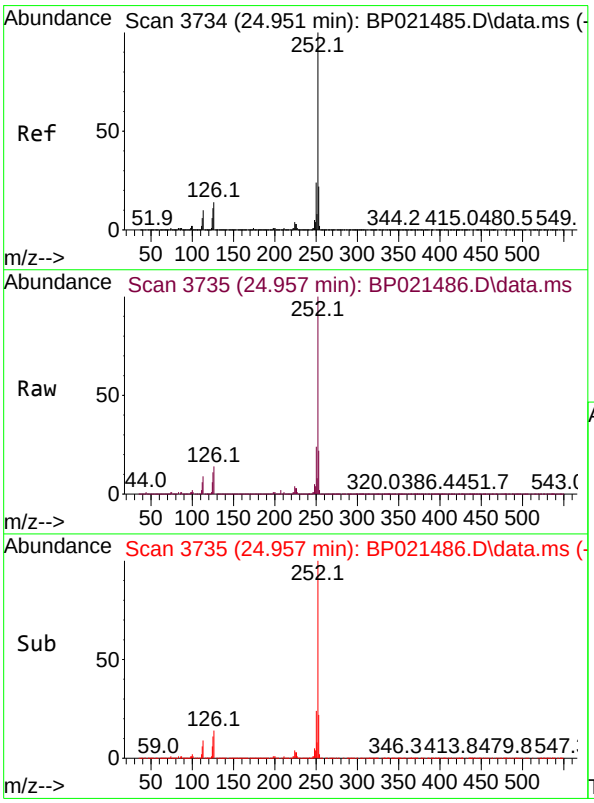
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

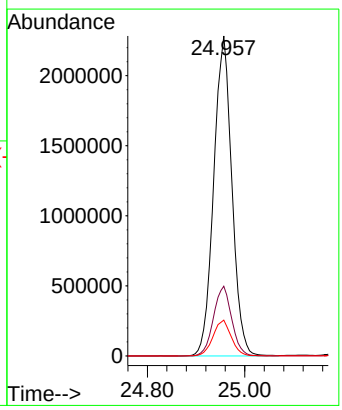


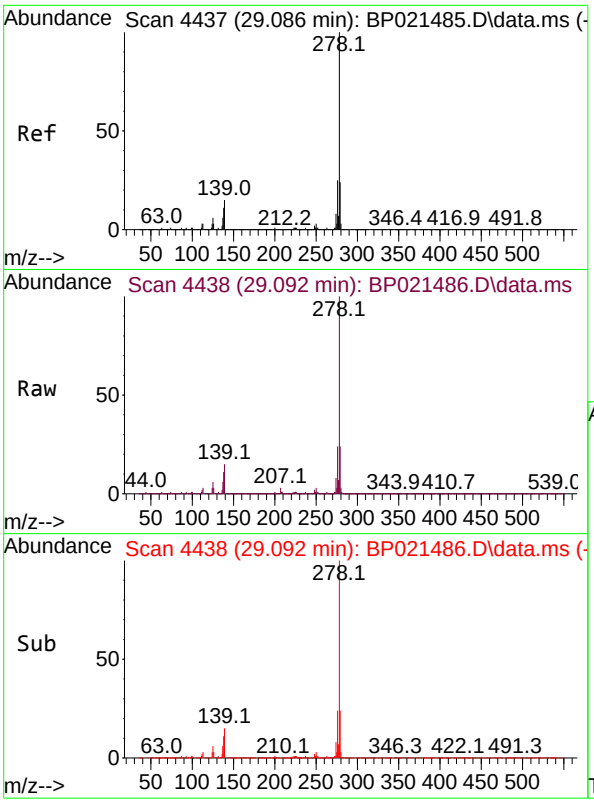


#90
Benzo(a)pyrene
Concen: 49.959 ng
RT: 24.957 min Scan# 3735
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 5918922

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

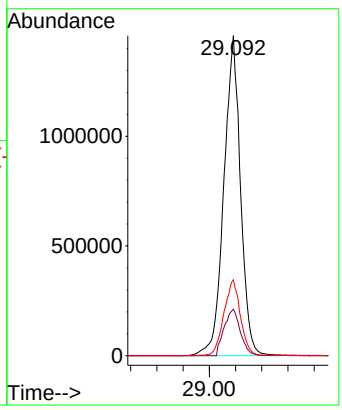




#91
Dibenzo(a,h)anthracene
Concen: 50.151 ng
RT: 29.092 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:278 Resp: 642089

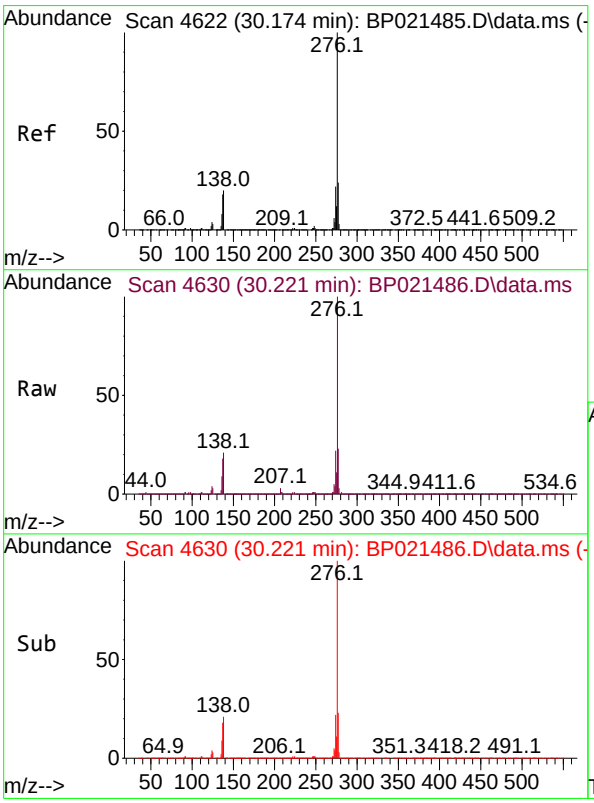
Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

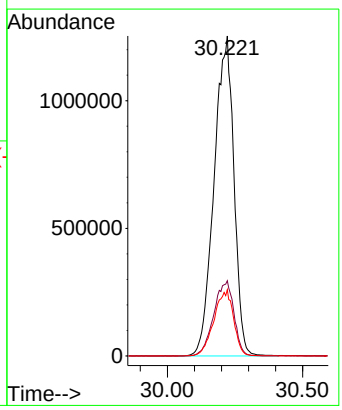
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 49.748 ng
RT: 30.221 min Scan# 4630
Delta R.T. 0.047 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 6383870

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	20.7	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	382208	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1539217	20.000	ng		0.00
39) Acenaphthene-d10	14.457	164	953193	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	1991489	20.000	ng		0.00
76) Chrysene-d12	21.710	240	1907005	20.000	ng		0.01
86) Perylene-d12	25.121	264	2191159	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	3212821	124.817	ng		0.00
7) Phenol-d6	6.963	99	4582988	122.053	ng		0.00
23) Nitrobenzene-d5	8.957	82	4024825	134.966	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	1401053	132.067	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	7484438	119.833	ng		0.00
79) Terphenyl-d14	19.986	244	11374626	115.877	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	739240	60.569	ng		99
3) Pyridine	3.705	79	2102990m	61.723	ng		
4) n-Nitrosodimethylamine	3.622	42	625716	61.099	ng		99
6) Aniline	7.134	93	2239942	59.670	ng		100
8) 2-Chlorophenol	7.375	128	1472845	61.917	ng		98
9) Benzaldehyde	6.946	77	1212390	50.428	ng		98
10) Phenol	6.993	94	2381743	61.254	ng		98
11) bis(2-Chloroethyl)ether	7.234	93	1938063	58.905	ng		99
12) 1,3-Dichlorobenzene	7.699	146	1682261	59.538	ng		100
13) 1,4-Dichlorobenzene	7.846	146	1709124	59.904	ng		99
14) 1,2-Dichlorobenzene	8.157	146	1624118	59.070	ng		100
15) Benzyl Alcohol	8.034	79	1647924	61.166	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1756837	57.982	ng		100
17) 2-Methylphenol	8.234	107	1477294	60.098	ng		99
18) Hexachloroethane	8.893	117	704431	61.570	ng		99
19) n-Nitroso-di-n-propyla...	8.610	70	1457549	56.194	ng		99
20) 3+4-Methylphenols	8.563	107	2028575	61.202	ng		99
22) Acetophenone	8.616	105	2813557	59.500	ng	#	99
24) Nitrobenzene	8.999	77	2126322	65.650	ng		98
25) Isophorone	9.522	82	4092218	58.086	ng		99
26) 2-Nitrophenol	9.704	139	554873	60.117	ng		99
27) 2,4-Dimethylphenol	9.763	122	1074335	61.792	ng		97
28) bis(2-Chloroethoxy)met...	10.004	93	2556281	59.443	ng		100
29) 2,4-Dichlorophenol	10.234	162	1331749	64.829	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	1609924	61.128	ng		98
31) Naphthalene	10.646	128	4829277	60.059	ng		99
32) Benzoic acid	9.904	122	775935	61.192	ng		99
33) 4-Chloroaniline	10.746	127	1798121	59.532	ng		99
34) Hexachlorobutadiene	10.940	225	1011679	61.008	ng		99
35) Caprolactam	11.510	113	522232	61.084	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	1746318	61.283	ng		98
37) 2-Methylnaphthalene	12.257	142	3238044	59.003	ng		99
38) 1-Methylnaphthalene	12.475	142	3163697	58.451	ng		99
40) 1,2,4,5-Tetrachloroben...	12.634	216	1762492	63.107	ng		100
41) Hexachlorocyclopentadiene	12.622	237	610821	69.006	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	1050099	67.687	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1165351	67.609	ng		98
46) 1,1'-Biphenyl	13.275	154	4097218	60.754	ng		100
47) 2-Chloronaphthalene	13.316	162	3228869	61.498	ng		99
48) 2-Nitroaniline	13.504	65	940456	62.204	ng		99
49) Acenaphthylene	14.175	152	4669645	60.501	ng		100
50) Dimethylphthalate	13.904	163	3832687	60.041	ng		100
51) 2,6-Dinitrotoluene	14.016	165	805457	61.336	ng		99
52) Acenaphthene	14.522	154	3066208	60.546	ng		98
53) 3-Nitroaniline	14.345	138	797905	61.781	ng		99
54) 2,4-Dinitrophenol	14.545	184	242951	61.764	ng		95
55) Dibenzofuran	14.857	168	4594089	58.970	ng		99
56) 4-Nitrophenol	14.639	139	644221	62.066	ng		93
57) 2,4-Dinitrotoluene	14.816	165	1034061	61.548	ng	#	94
58) Fluorene	15.522	166	3759913	58.748	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.086	232	973647	66.550	ng		99
60) Diethylphthalate	15.292	149	3911032	59.713	ng		100
61) 4-Chlorophenyl-phenyle...	15.528	204	1945714	58.814	ng		97
62) 4-Nitroaniline	15.534	138	824354	62.407	ng		98
63) Azobenzene	15.822	77	4711824	58.524	ng		98
65) 4,6-Dinitro-2-methylph...	15.586	198	410096	61.846	ng		98
66) n-Nitrosodiphenylamine	15.734	169	3192615	59.821	ng		100
67) 4-Bromophenyl-phenylether	16.433	248	1286048	61.016	ng		97
68) Hexachlorobenzene	16.551	284	1505847	60.456	ng		100
69) Atrazine	16.710	200	1088343	59.397	ng		99
70) Pentachlorophenol	16.892	266	899879	66.192	ng		99
71) Phenanthrene	17.292	178	5685784	59.366	ng		100
72) Anthracene	17.392	178	5636907	60.013	ng		100
73) Carbazole	17.675	167	5454823	60.260	ng		99
74) Di-n-butylphthalate	18.269	149	6834417	61.477	ng		100
75) Fluoranthene	19.380	202	7044903	59.949	ng		99
77) Benzidine	19.569	184	2334836	54.599	ng		100
78) Pyrene	19.757	202	7263907	58.277	ng		100
80) Butylbenzylphthalate	20.710	149	2906885	60.438	ng		98
81) Benzo(a)anthracene	21.692	228	7119658	59.472	ng		99
82) 3,3'-Dichlorobenzidine	21.598	252	2455338	63.969	ng		100
83) Chrysene	21.757	228	6762569	59.831	ng		99
84) Bis(2-ethylhexyl)phtha...	21.645	149	4576797	64.685	ng		100
85) Di-n-octyl phthalate	22.968	149	7622203	59.983	ng		99
87) Indeno(1,2,3-cd)pyrene	28.998	276	9100343m	64.078	ng		
88) Benzo(b)fluoranthene	24.045	252	7812709	62.083	ng		99
89) Benzo(k)fluoranthene	24.121	252	7561966	61.599	ng		99
90) Benzo(a)pyrene	24.974	252	6839630	62.630	ng		99
91) Dibenzo(a,h)anthracene	29.103	278	7520005	63.721	ng		100
92) Benzo(g,h,i)perylene	30.203	276	7563028	63.940	ng		100

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

ICAL Form

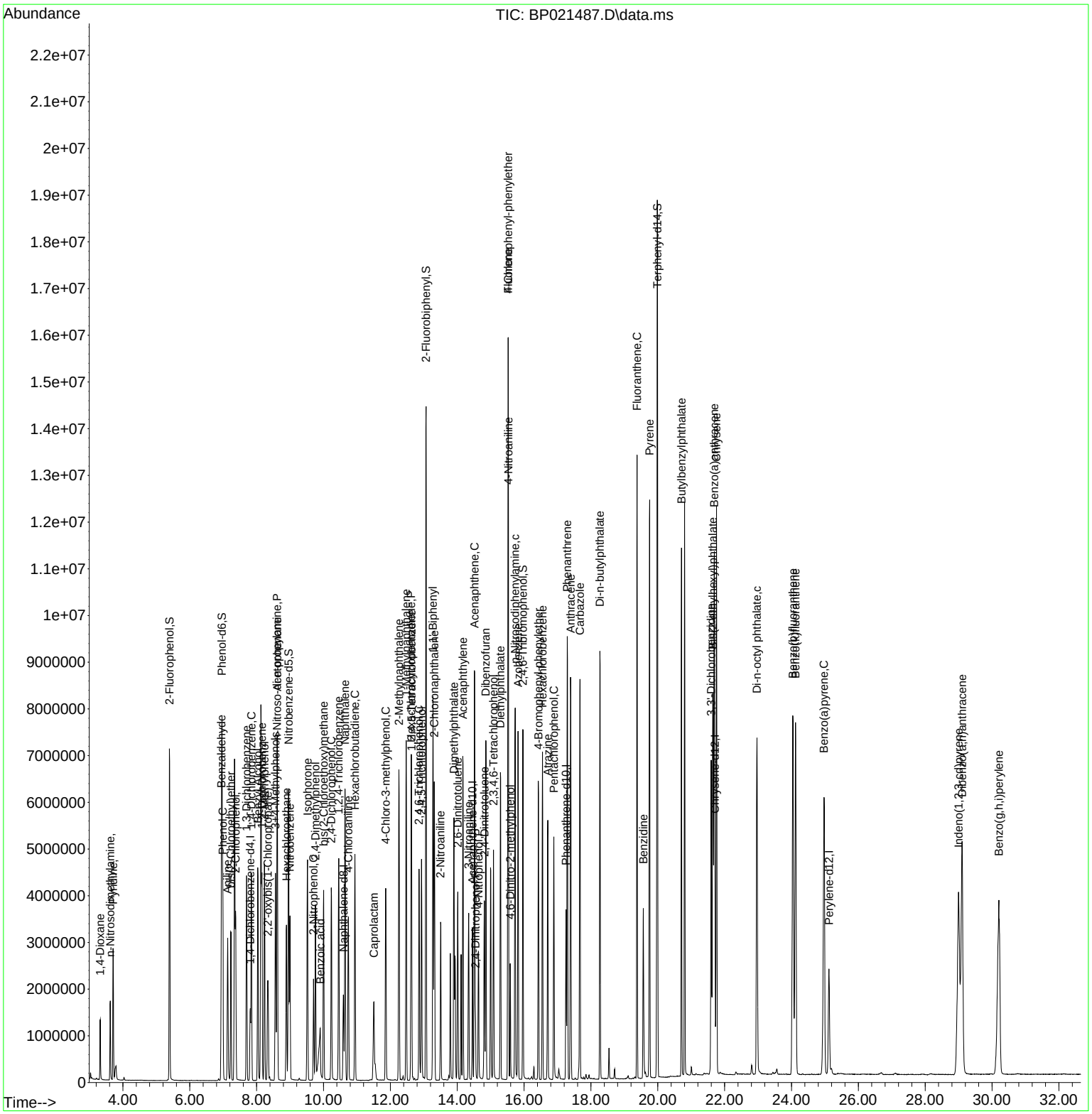
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

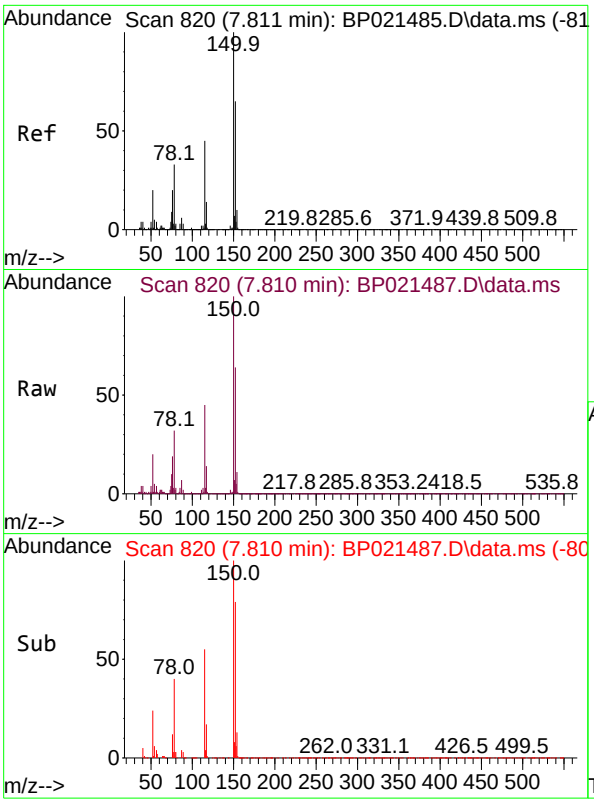
Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

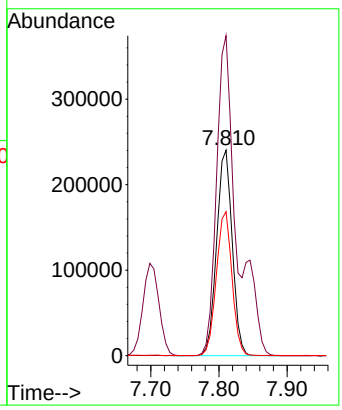




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:152 Resp: 38220

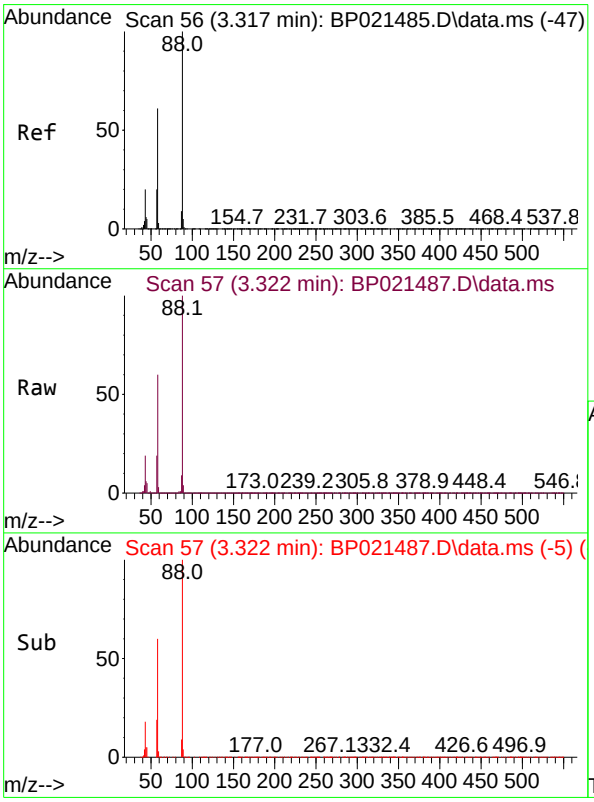
Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.1	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

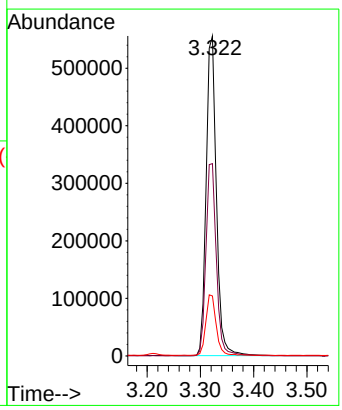
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

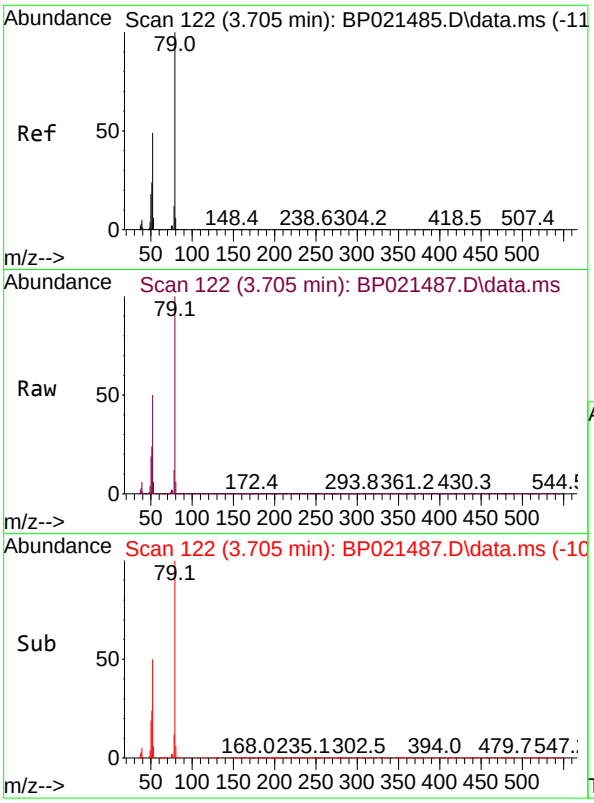


#2
1,4-Dioxane
Concen: 60.569 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 88 Resp: 739240

Ion	Ratio	Lower	Upper
88	100		
58	61.4	48.7	73.1
43	19.1	15.4	23.2

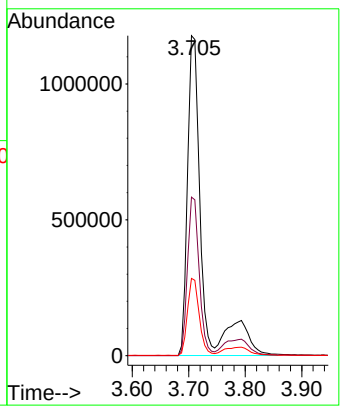




#3
Pyridine
Concen: 61.723 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 210299

Ion	Ratio	Lower	Upper
79	100		
52	49.5	39.0	58.6
51	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
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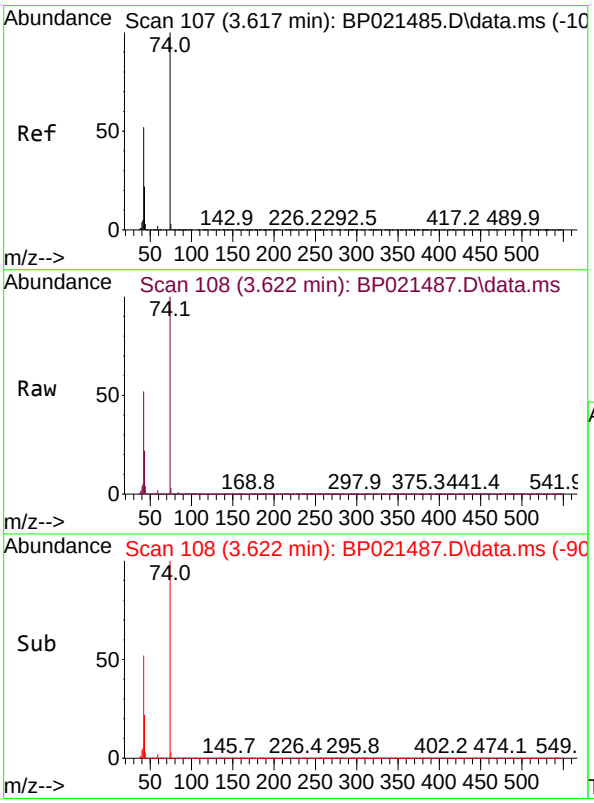
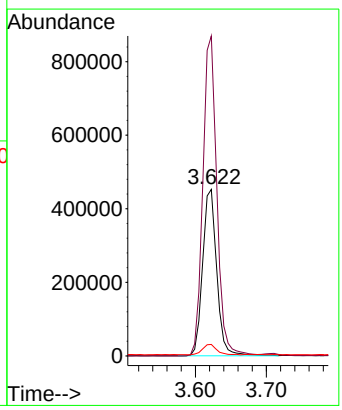
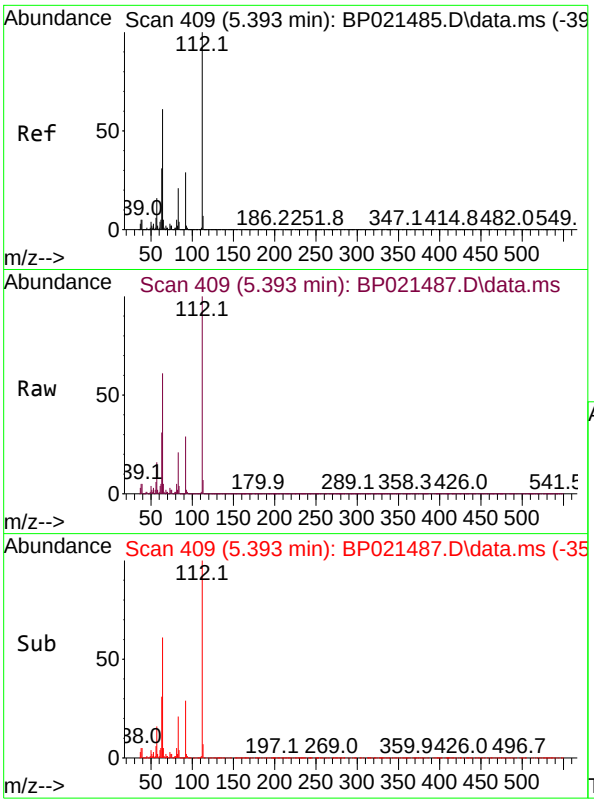


#4
n-Nitrosodimethylamine
Concen: 61.099 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 42 Resp: 625716

Ion	Ratio	Lower	Upper
42	100		
74	192.1	154.3	231.5
44	7.0	6.2	9.4

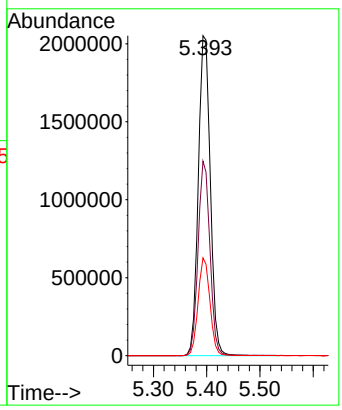




#5
2-Fluorophenol
Concen: 124.817 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:112 Resp: 321282

Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.6	24.6	36.8



Instrument :
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ClientSampleId :
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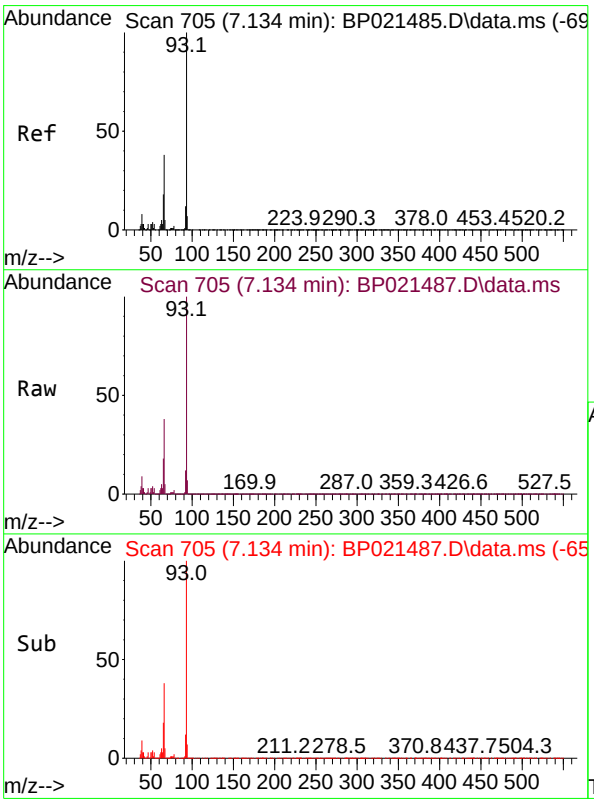
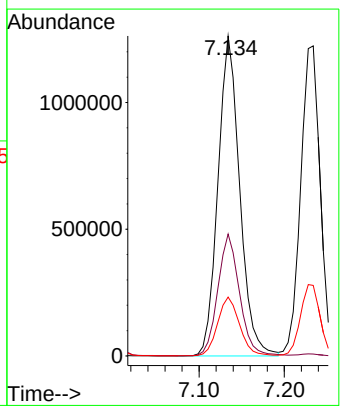
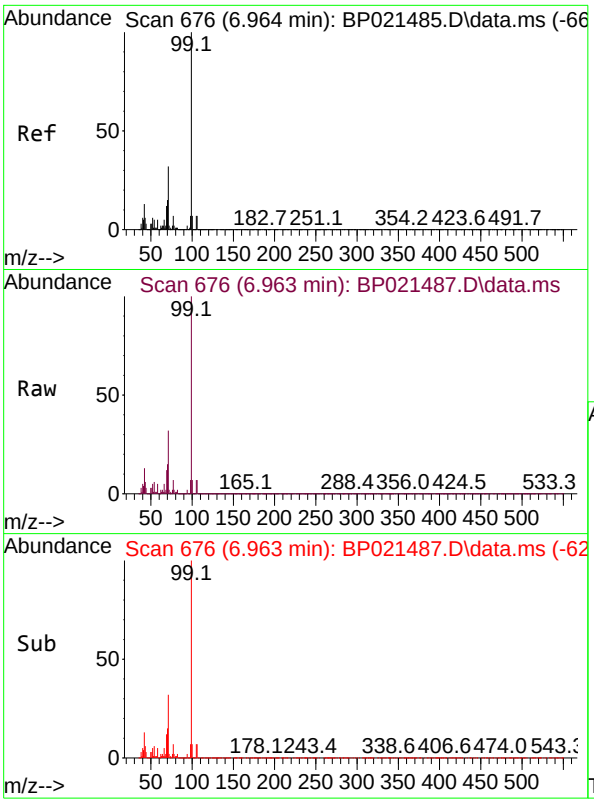


#6
Aniline
Concen: 59.670 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2239942

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.2	45.2
65	18.4	14.7	22.1

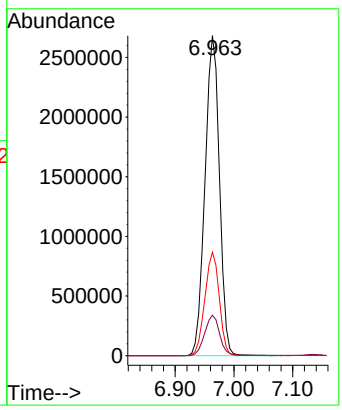




#7
Phenol-d6
Concen: 122.053 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 99 Resp: 458298

Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	32.4	25.8	38.8



Instrument :
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ClientSampleId :
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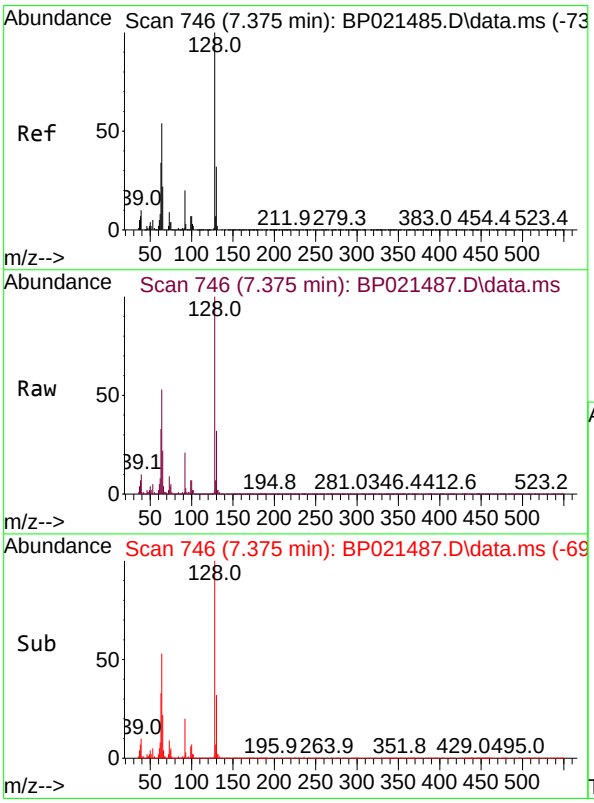
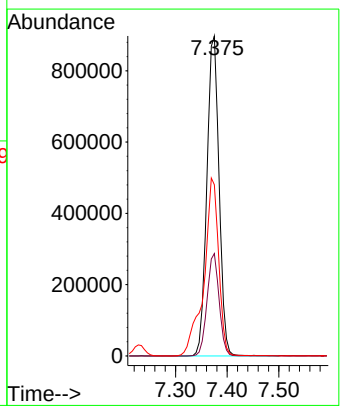
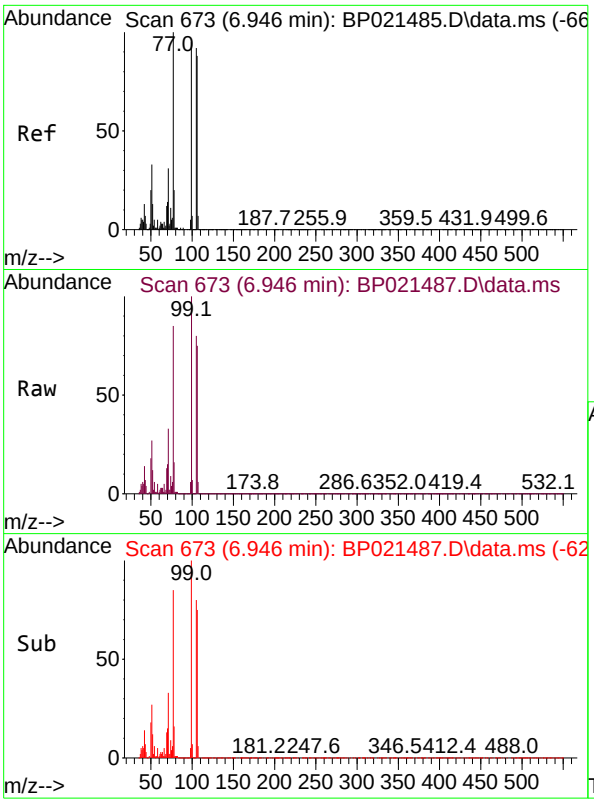


#8
2-Chlorophenol
Concen: 61.917 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 1472845

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.6	51.6
64	53.5	35.3	75.3

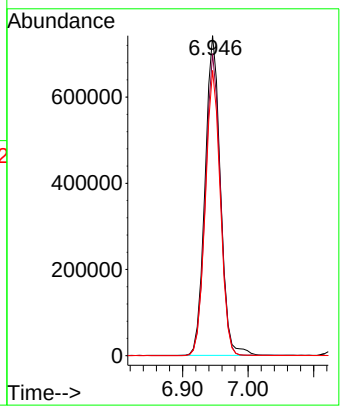




#9
Benzaldehyde
Concen: 50.428 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 121239

Ion	Ratio	Lower	Upper
77	100		
105	94.4	72.1	112.1
106	89.1	67.9	107.9



Instrument :
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ClientSampleId :
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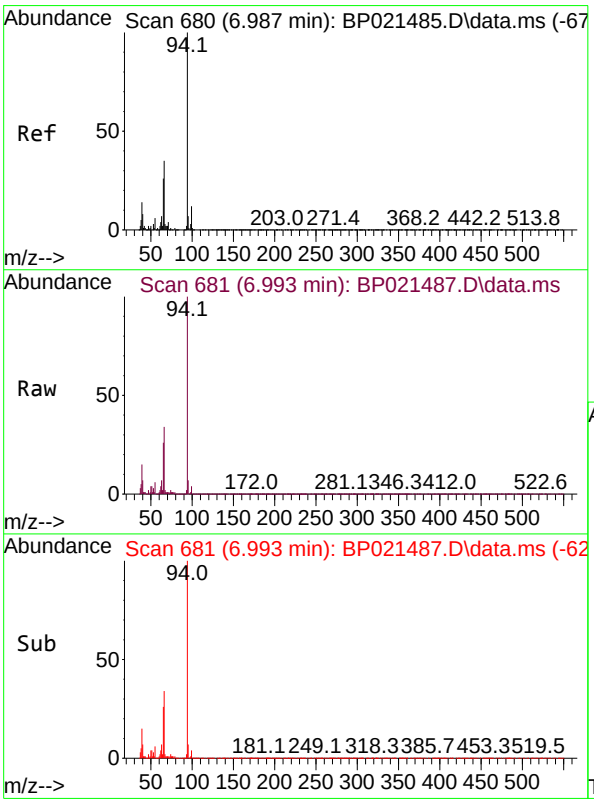
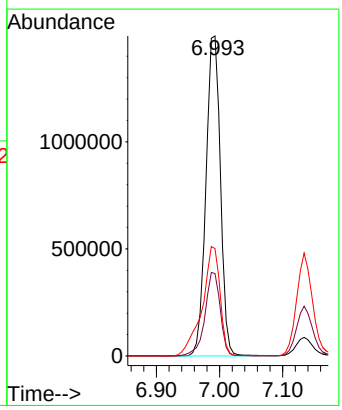
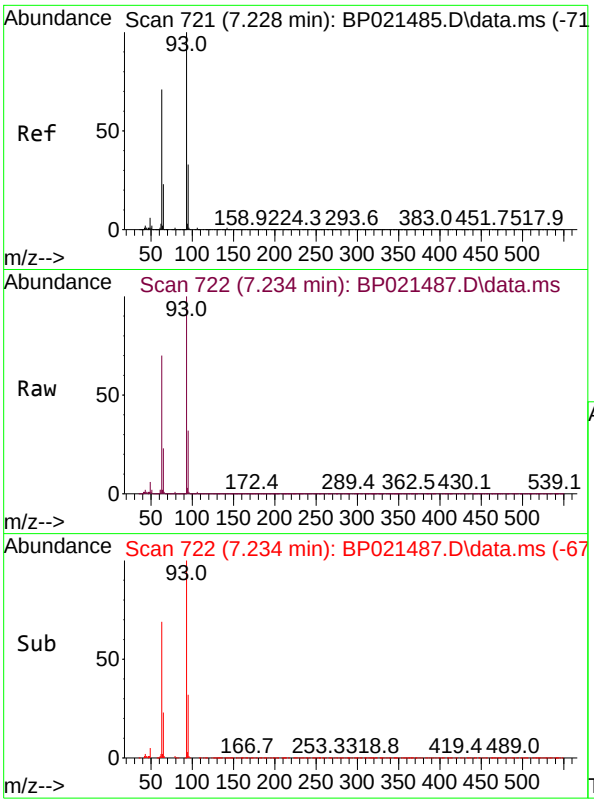


#10
Phenol
Concen: 61.254 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 94 Resp: 2381743

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.6	14.7	54.7

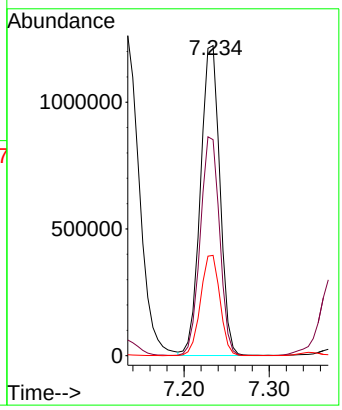




#11
bis(2-Chloroethyl)ether
Concen: 58.905 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 193806

Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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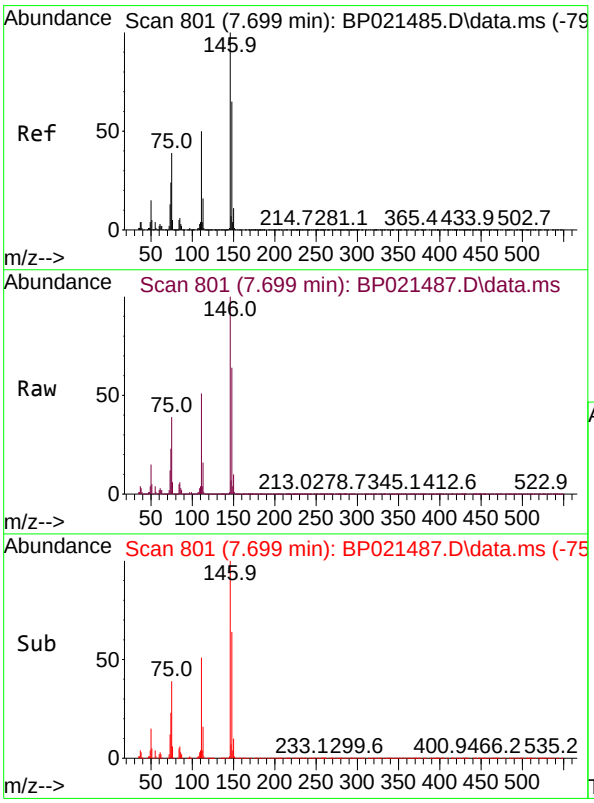
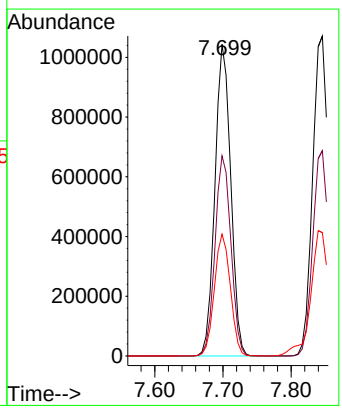
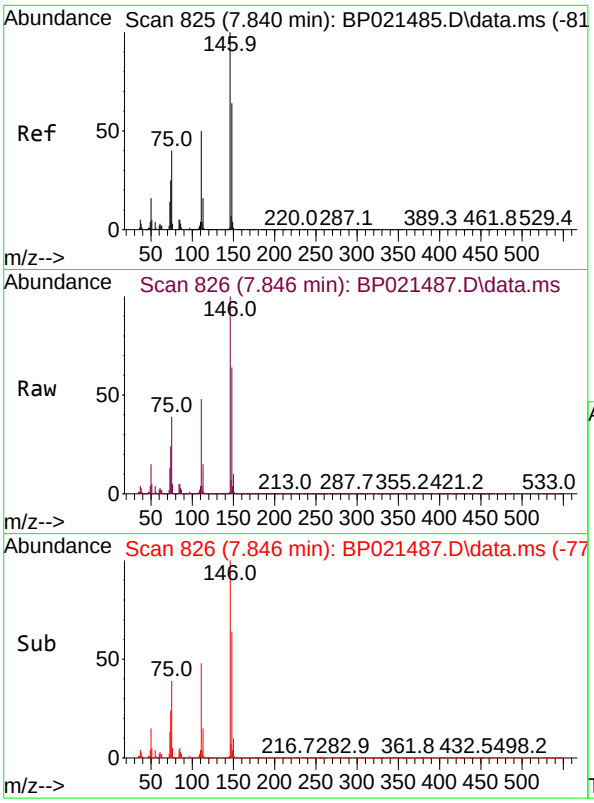


#12
1,3-Dichlorobenzene
Concen: 59.538 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1682261

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.6
75	39.1	31.3	46.9

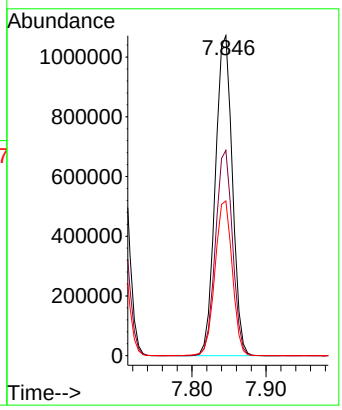




#13
1,4-Dichlorobenzene
Concen: 59.904 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 170912

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	48.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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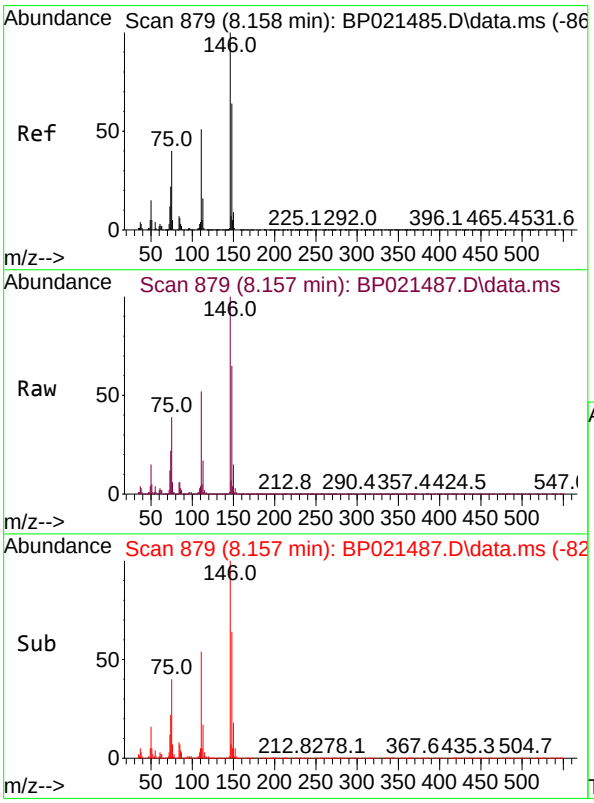
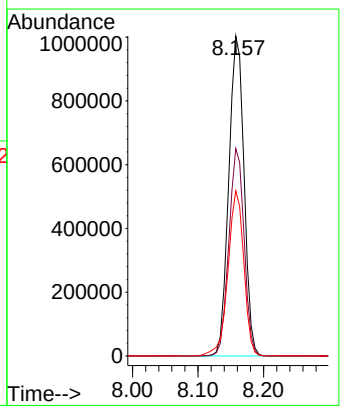
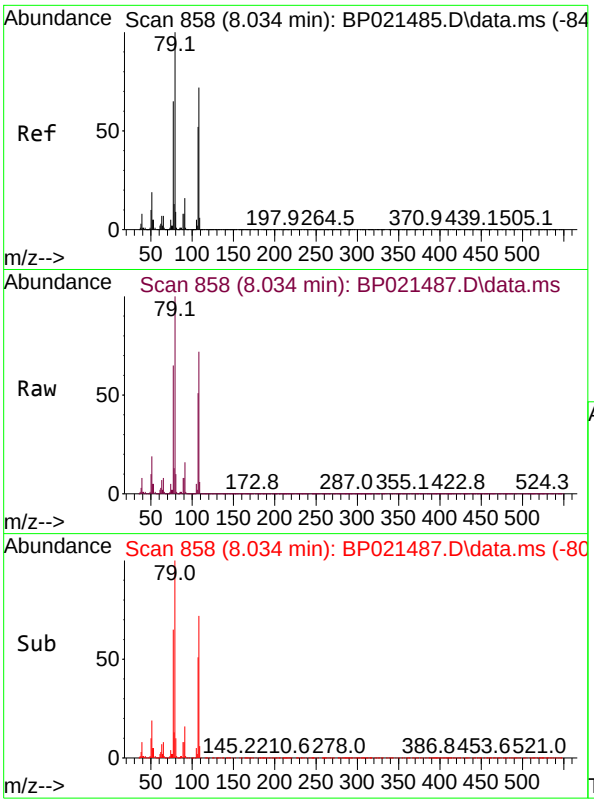


#14
1,2-Dichlorobenzene
Concen: 59.070 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1624118

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.5	77.3
111	51.6	41.1	61.7

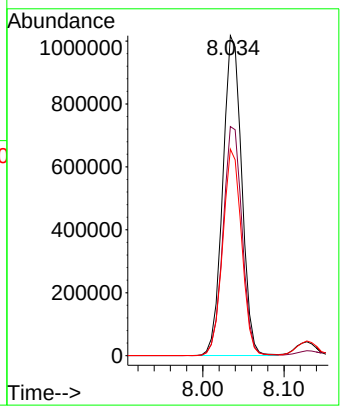




#15
Benzyl Alcohol
Concen: 61.166 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 164792

Ion	Ratio	Lower	Upper
79	100		
108	71.6	57.9	86.9
77	64.5	51.8	77.8



Instrument :
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ClientSampleId :
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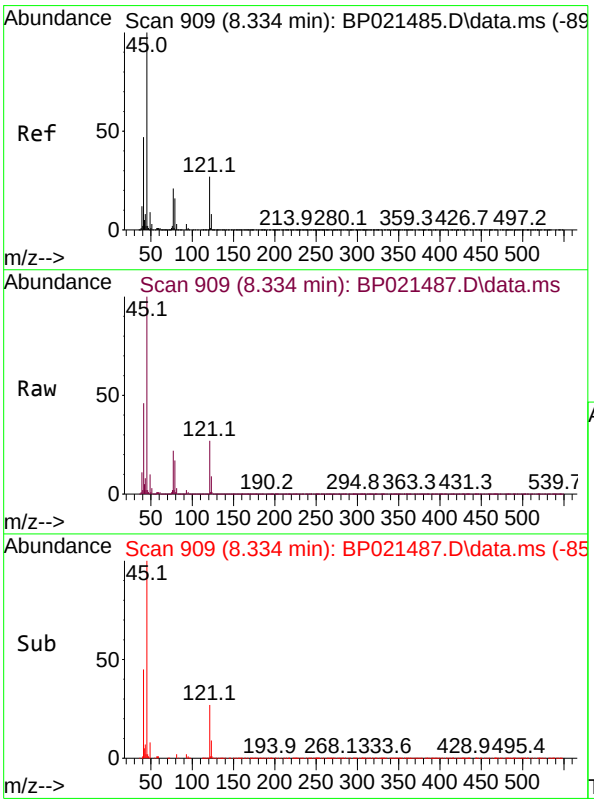
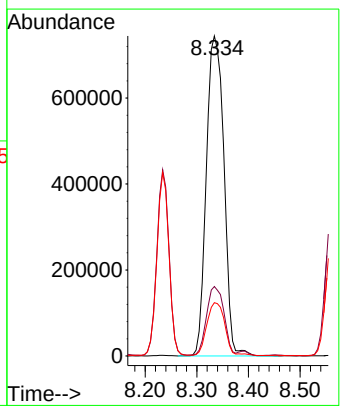
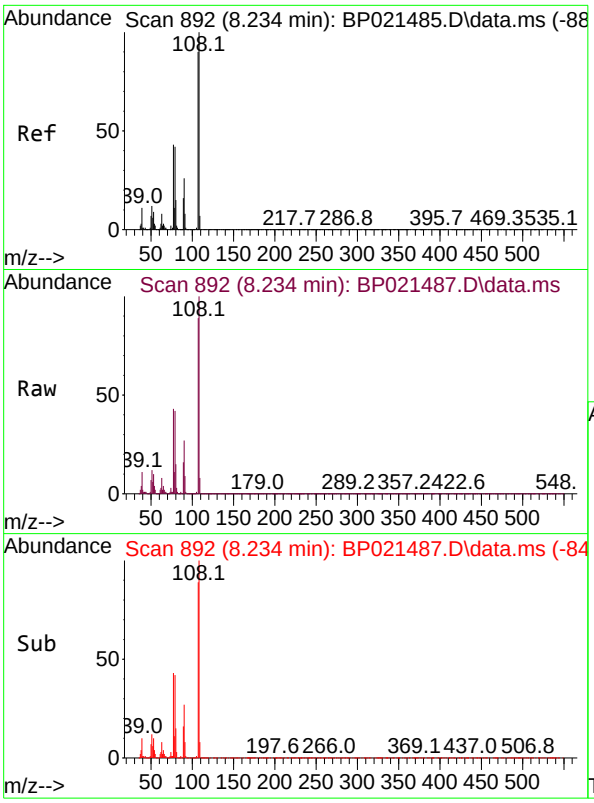


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.982 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 45 Resp: 1756837

Ion	Ratio	Lower	Upper
45	100		
77	21.7	1.9	41.9
79	16.6	0.0	36.6

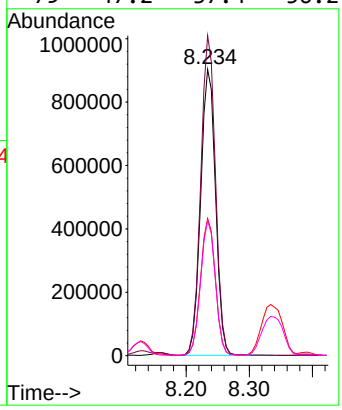




#17
2-Methylphenol
Concen: 60.098 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 147729

Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.8	133.2
77	48.0	38.7	58.1
79	47.2	37.4	56.2



Instrument :
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ClientSampleId :
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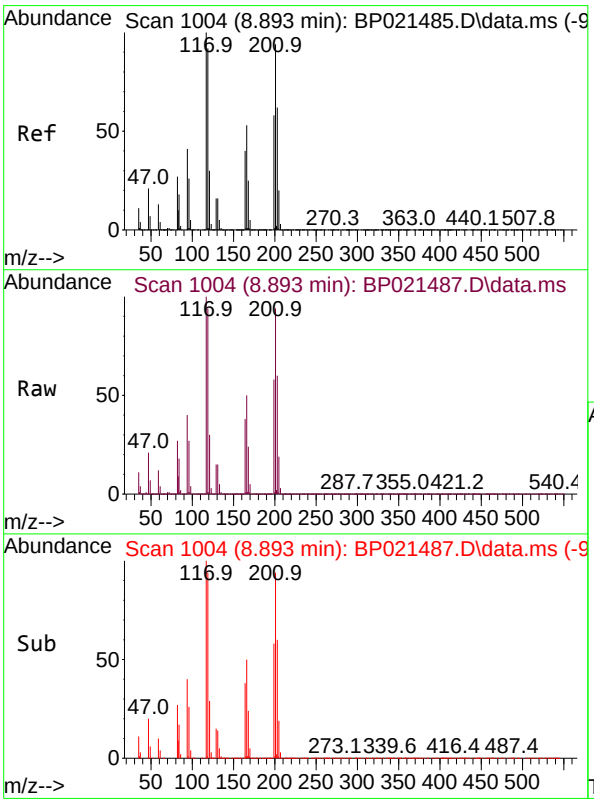
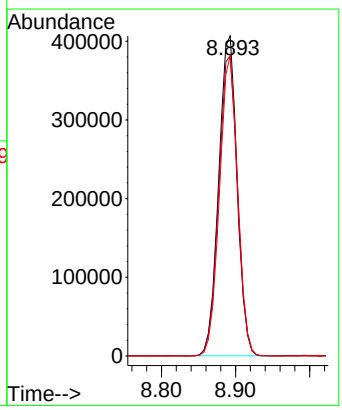
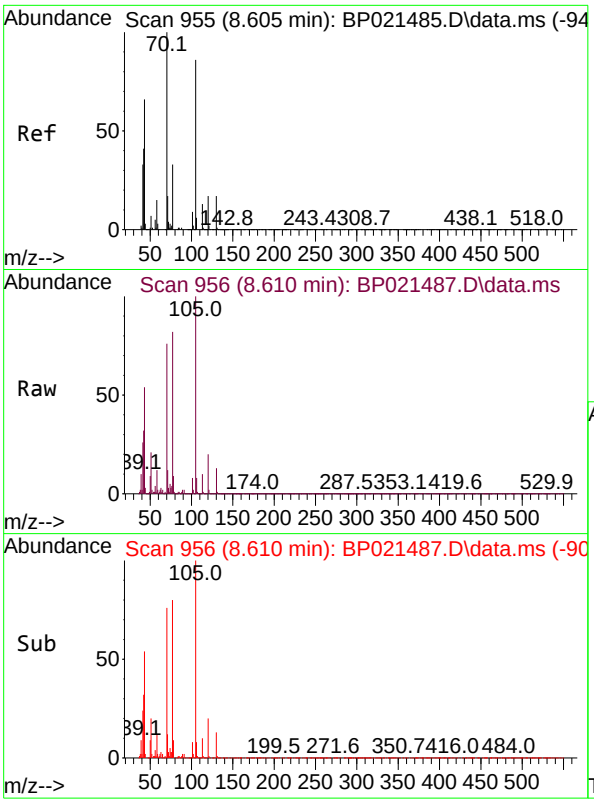


#18
Hexachloroethane
Concen: 61.570 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:117 Resp: 704431

Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.9	110.9
201	93.8	74.9	112.3

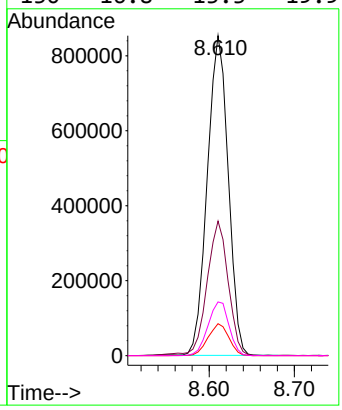




#19
n-Nitroso-di-n-propylamine
Concen: 56.194 ng
RT: 8.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 70 Resp: 145754

Ion	Ratio	Lower	Upper
70	100		
42	42.0	33.1	49.7
101	10.0	7.4	11.2
130	16.8	13.3	19.9



Instrument :
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ClientSampleId :
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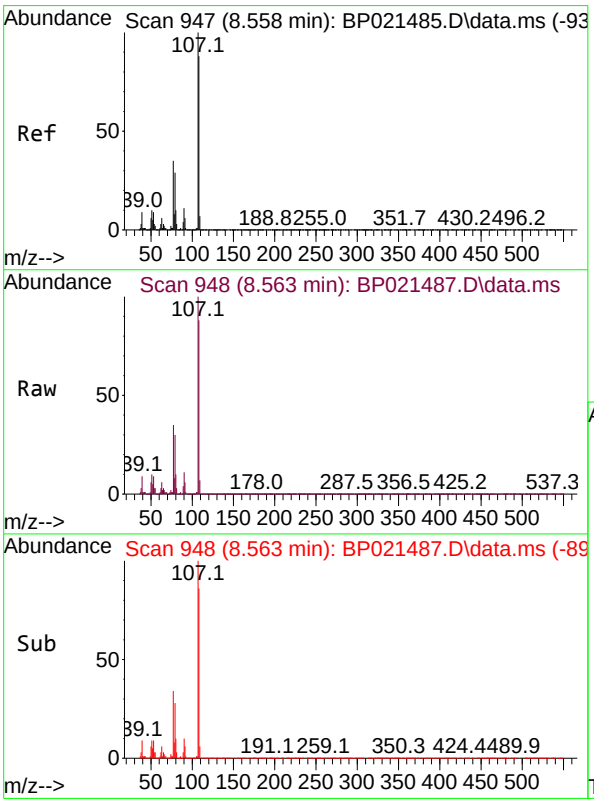
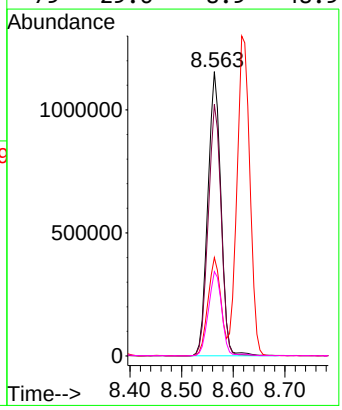
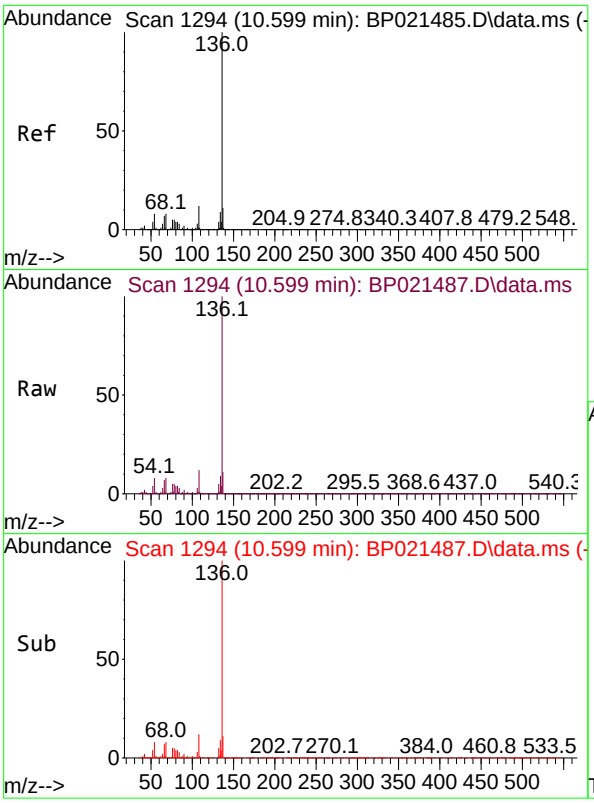


#20
3+4-Methylphenols
Concen: 61.202 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 2028575

Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.6	15.0	55.0
79	29.6	8.9	48.9

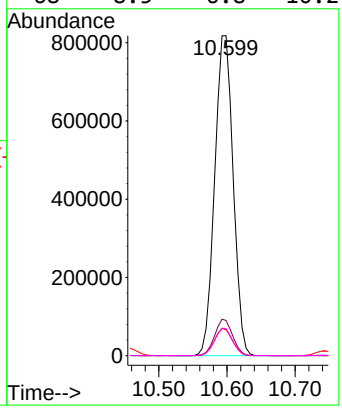




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:136 Resp: 153921

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



Instrument :
BNA_P
ClientSampleId :
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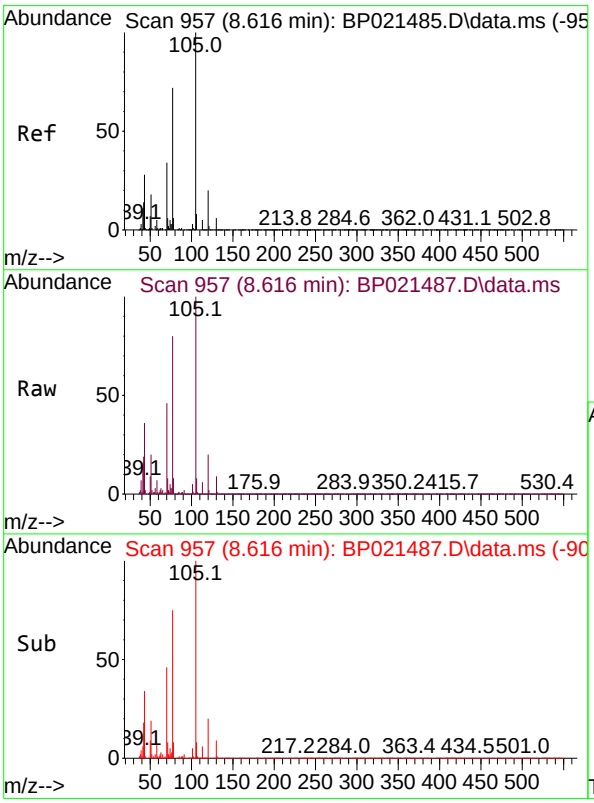
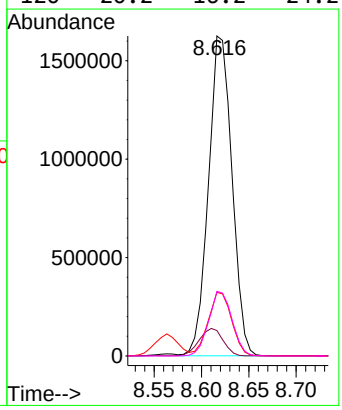
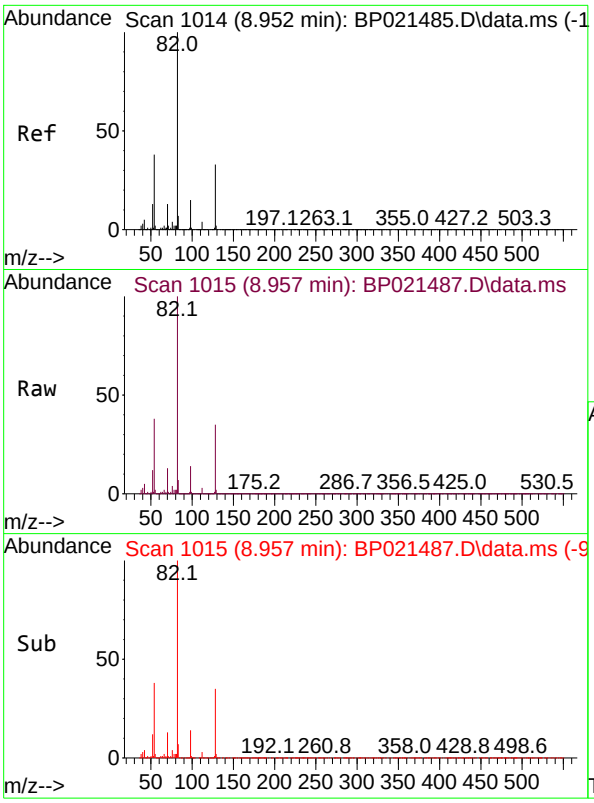


#22
Acetophenone
Concen: 59.500 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:105 Resp: 2813557

Ion	Ratio	Lower	Upper
105	100		
71	8.0	4.6	7.0#
51	19.9	16.3	24.5
120	20.2	16.2	24.2

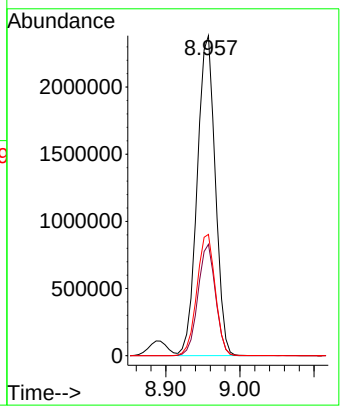




#23
Nitrobenzene-d5
Concen: 134.966 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 82 Resp: 402482

Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	37.9	30.3	45.5



Instrument :
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ClientSampleId :
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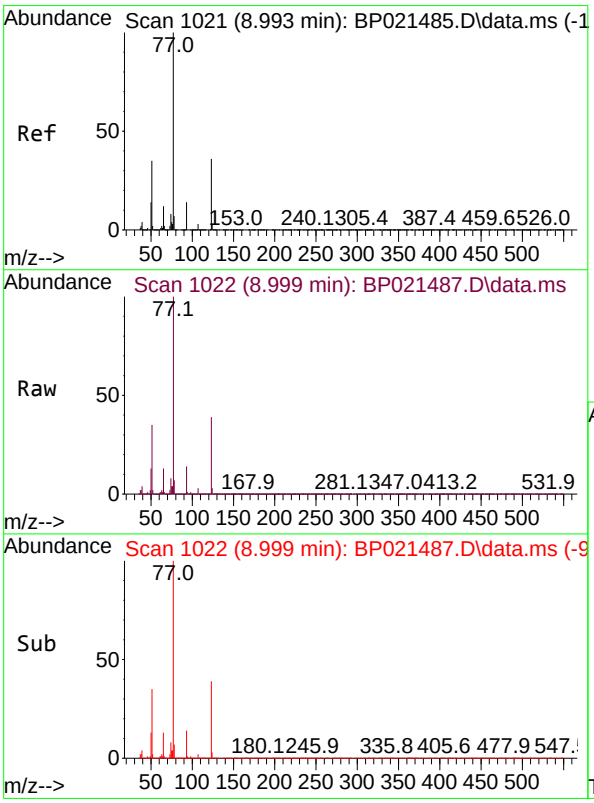
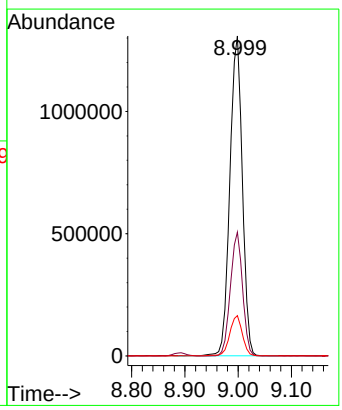
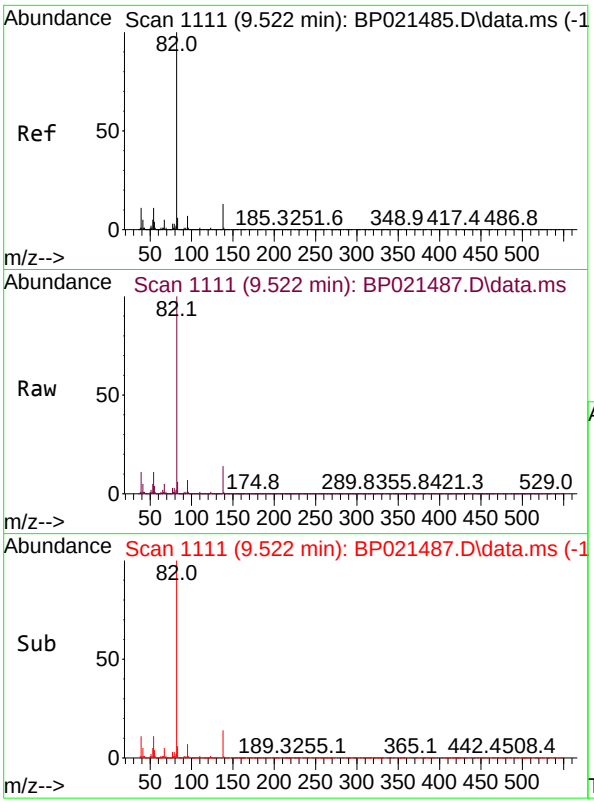


#24
Nitrobenzene
Concen: 65.650 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 2126322

Ion	Ratio	Lower	Upper
77	100		
123	38.7	29.5	44.3
65	12.6	9.9	14.9

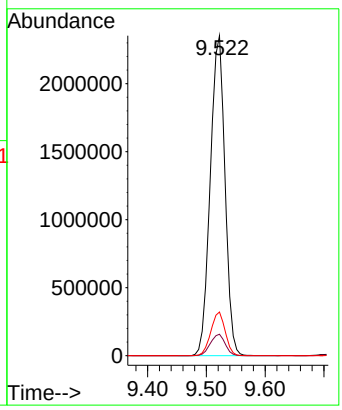




#25
Isophorone
Concen: 58.086 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 82 Resp: 409221

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0



Instrument :
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ClientSampleId :
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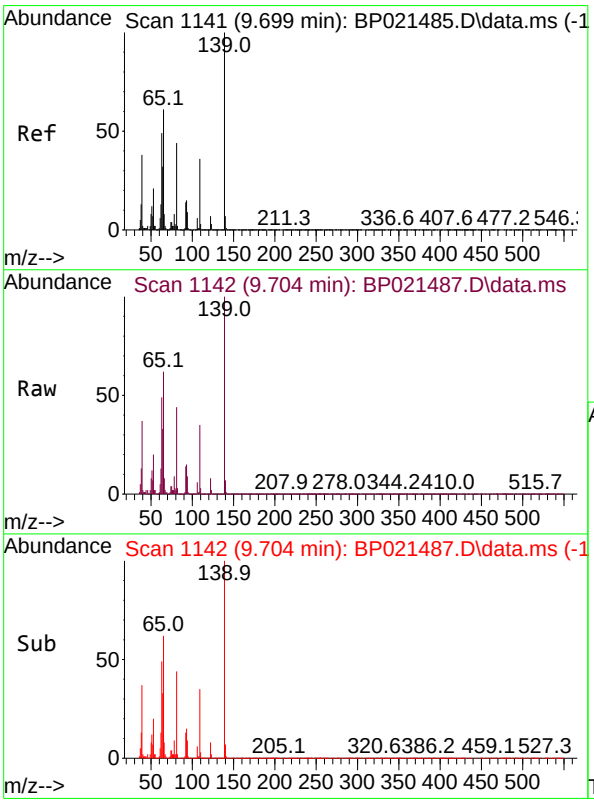
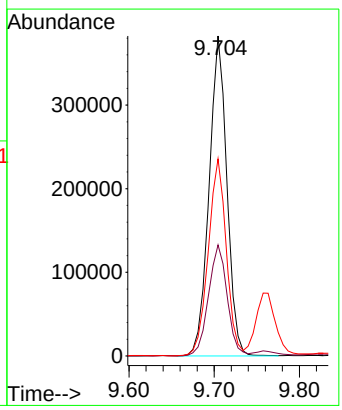
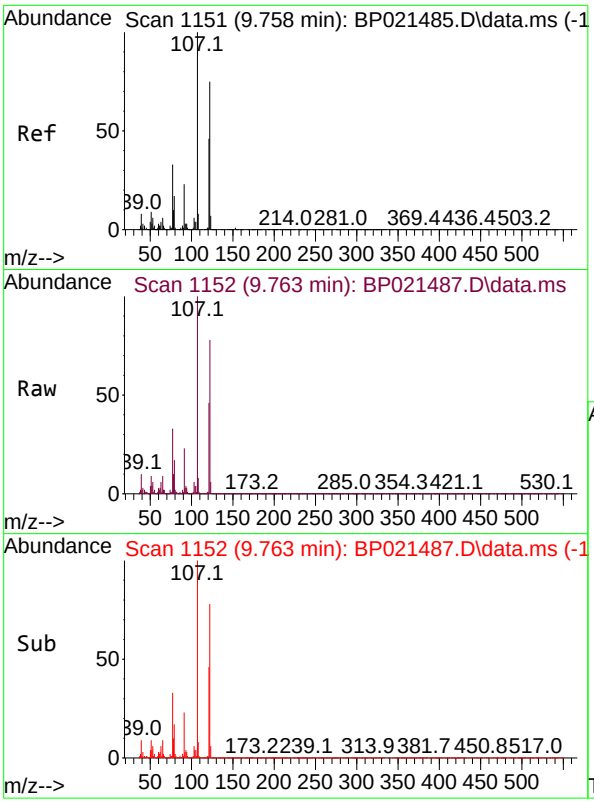


#26
2-Nitrophenol
Concen: 60.117 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 554873

Ion	Ratio	Lower	Upper
139	100		
109	34.7	28.9	43.3
65	61.6	49.0	73.6

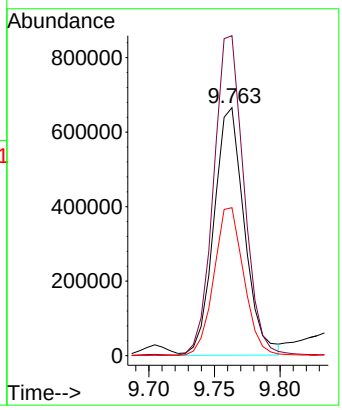




#27
2,4-Dimethylphenol
Concen: 61.792 ng
RT: 9.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 107433

Ion	Ratio	Lower	Upper
122	100		
107	129.0	106.2	159.4
121	59.7	48.8	73.2



Instrument :
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ClientSampleId :
SSTDICC060

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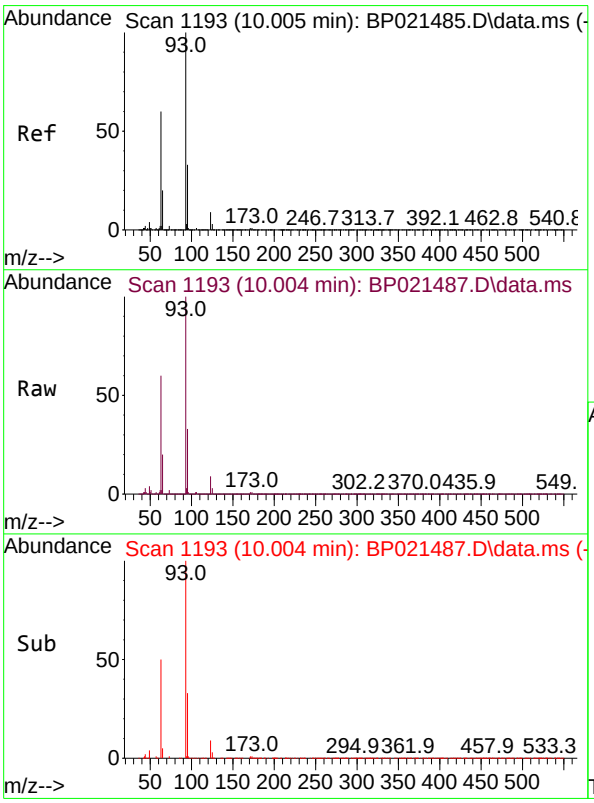
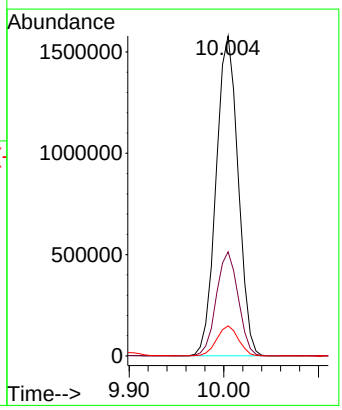
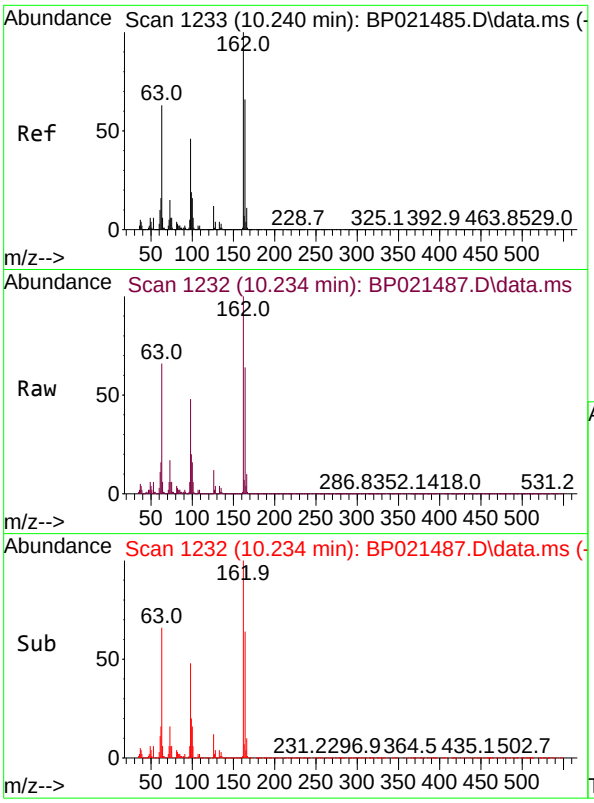


#28
bis(2-Chloroethoxy)methane
Concen: 59.443 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2556281

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	9.4	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 64.829 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 133174

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.9	85.9
98	47.7	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
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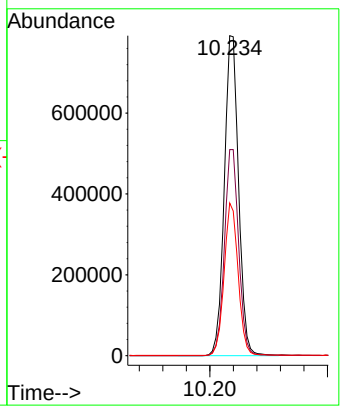
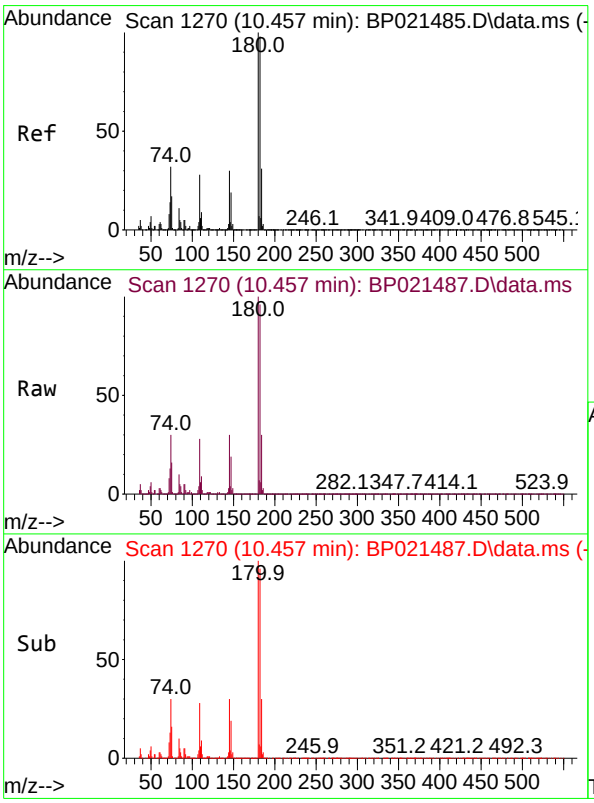
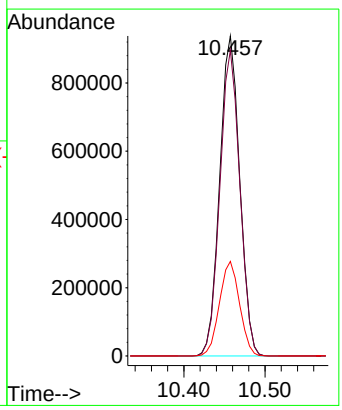


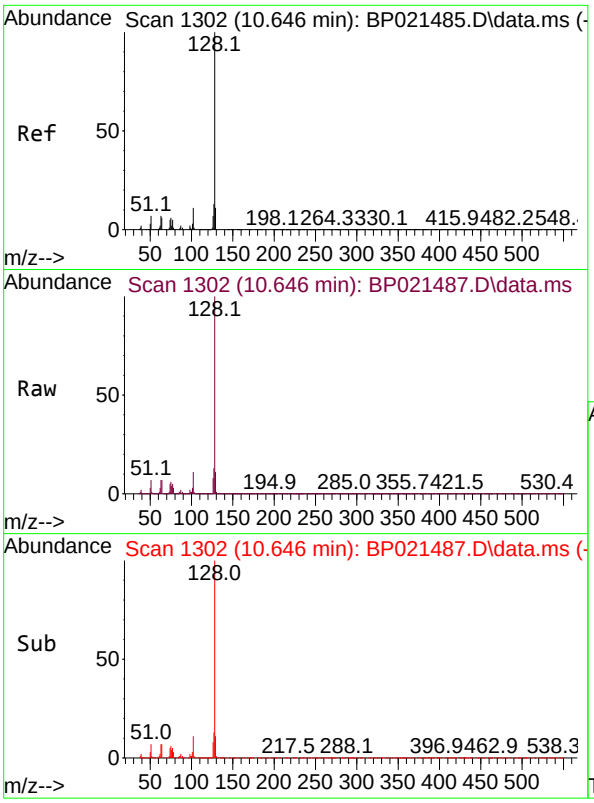


#30
1,2,4-Trichlorobenzene
Concen: 61.128 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:180 Resp: 1609924

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.3	117.5
145	29.5	24.0	36.0

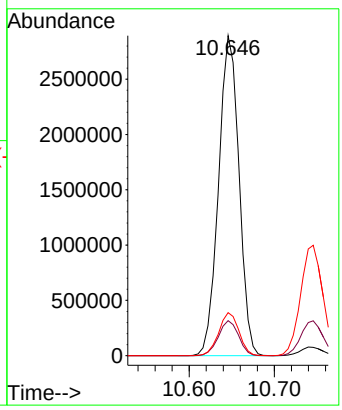




#31
Naphthalene
Concen: 60.059 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 482927

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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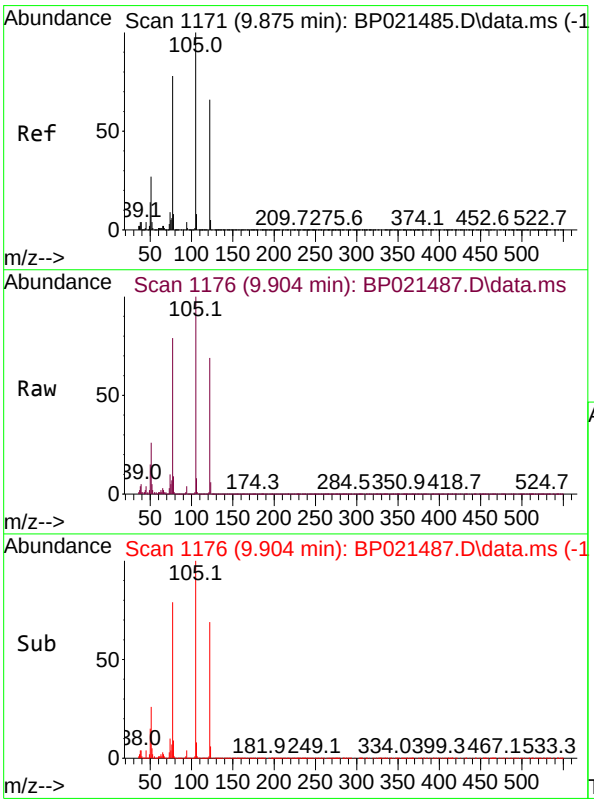
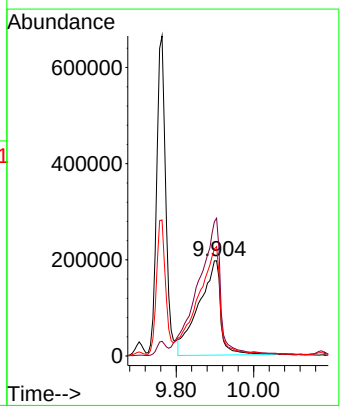
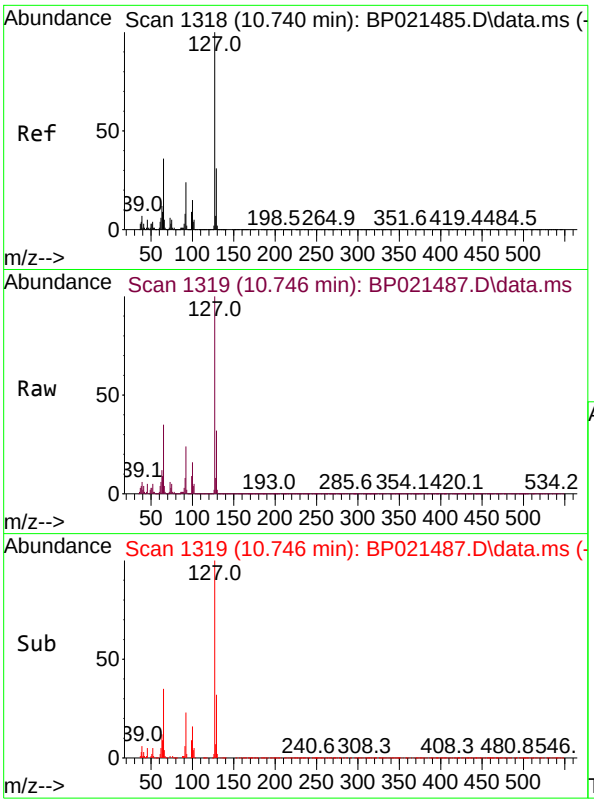


#32
Benzoic acid
Concen: 61.192 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 775935

Ion	Ratio	Lower	Upper
122	100		
105	144.5	124.6	164.6
77	114.7	96.2	136.2

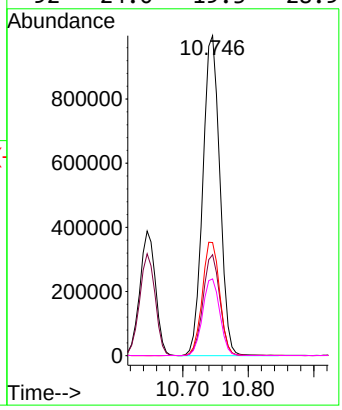




#33
4-Chloroaniline
Concen: 59.532 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:127 Resp: 179812

Ion	Ratio	Lower	Upper
127	100		
129	31.6	24.5	36.7
65	35.4	28.9	43.3
92	24.0	19.3	28.9



Instrument :
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ClientSampleId :
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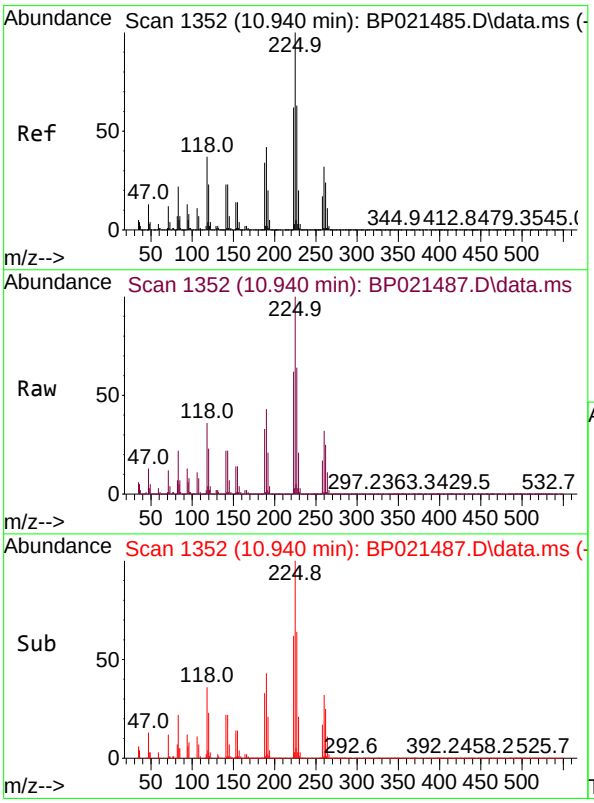
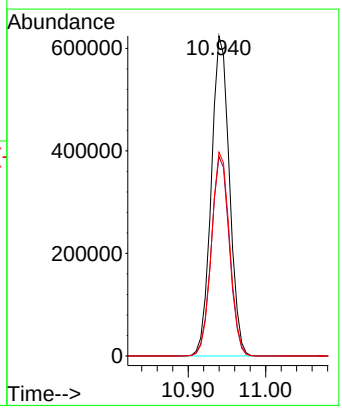
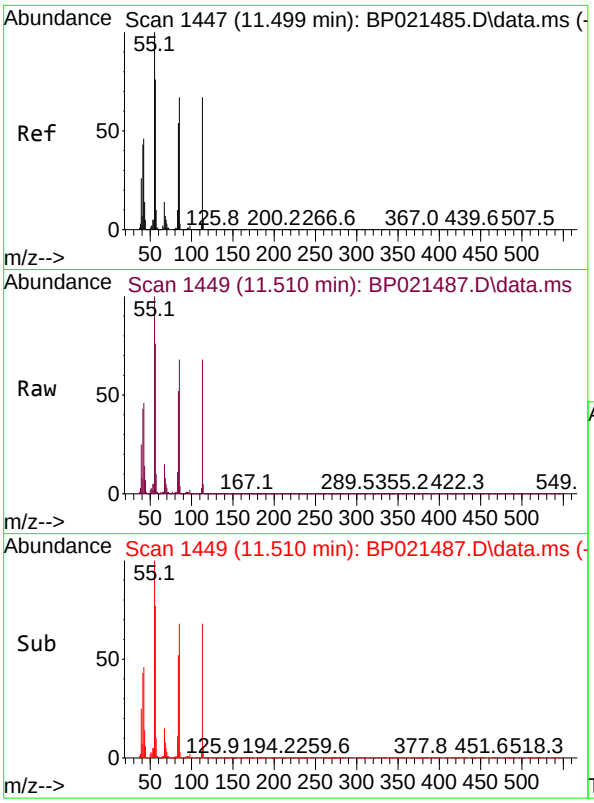


#34
Hexachlorobutadiene
Concen: 61.008 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:225 Resp: 1011679

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.6	74.4
227	63.7	50.1	75.1

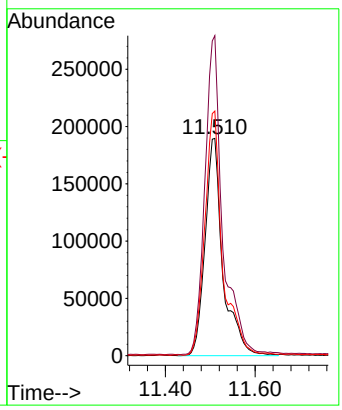




#35
Caprolactam
Concen: 61.084 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:113 Resp: 52223

Ion	Ratio	Lower	Upper
113	100		
55	147.3	130.6	170.6
56	112.6	94.6	134.6



Instrument :
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ClientSampleId :
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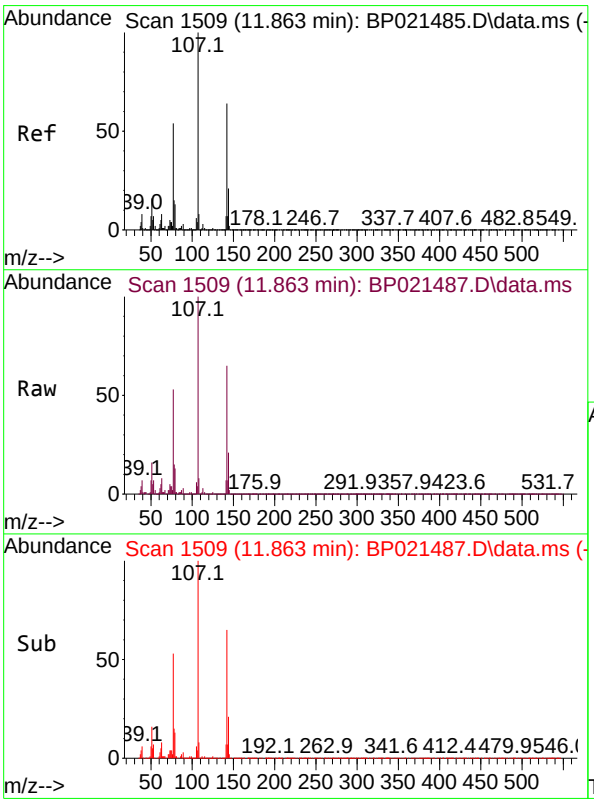
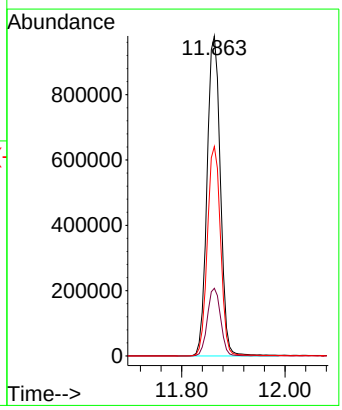
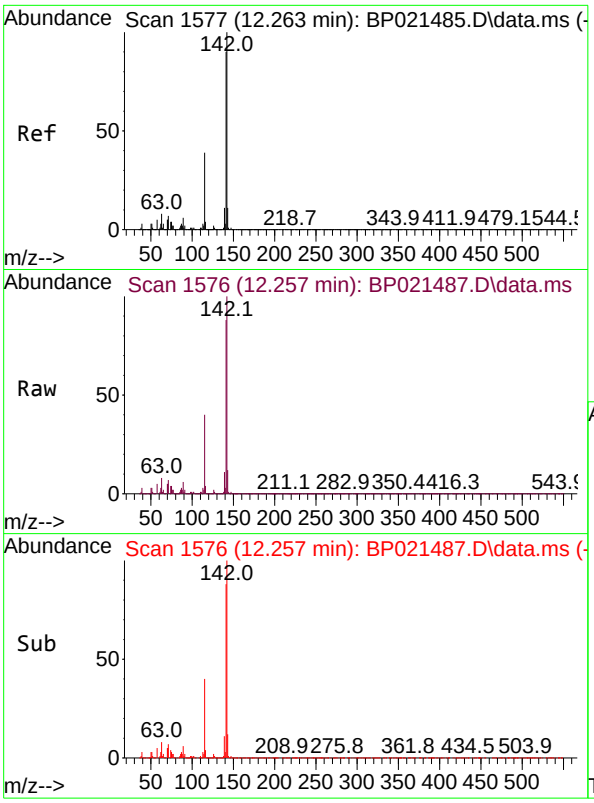


#36
4-Chloro-3-methylphenol
Concen: 61.283 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 1746318

Ion	Ratio	Lower	Upper
107	100		
144	21.1	16.6	24.8
142	65.4	51.0	76.4

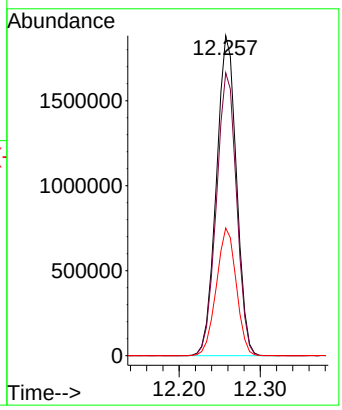




#37
2-Methylnaphthalene
Concen: 59.003 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 323804

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	39.9	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
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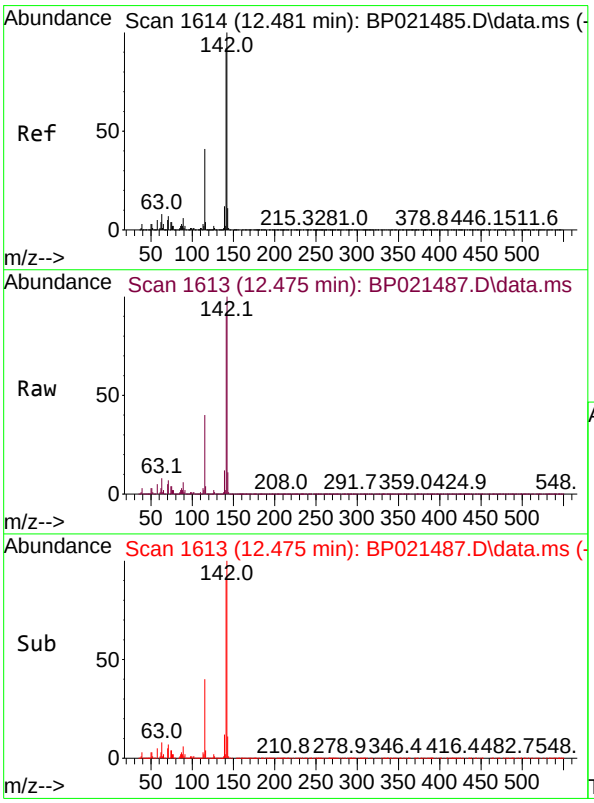
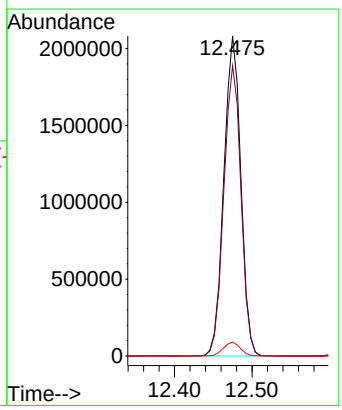
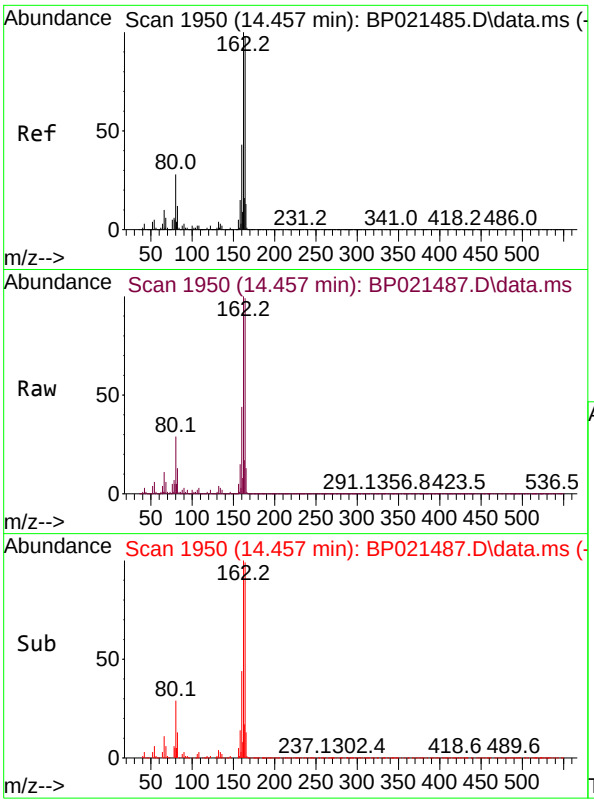


#38
1-Methylnaphthalene
Concen: 58.451 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 3163697

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.5	110.3
116	4.4	3.4	5.2

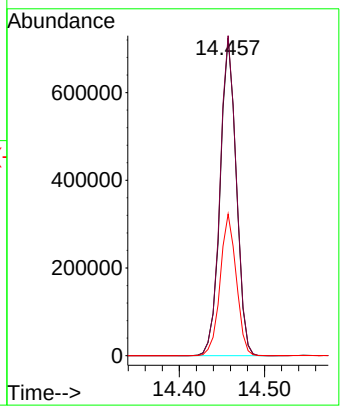




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:164 Resp: 95319

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.6	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
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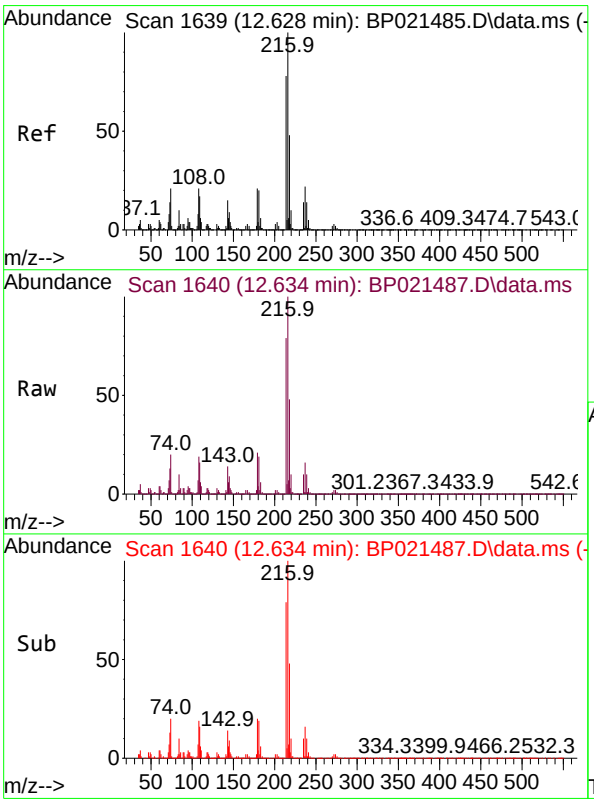
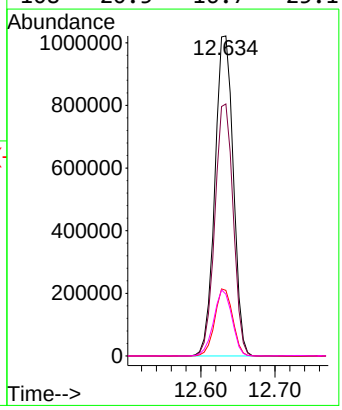
Supervised By :mohammad ahmed 08/14/2024

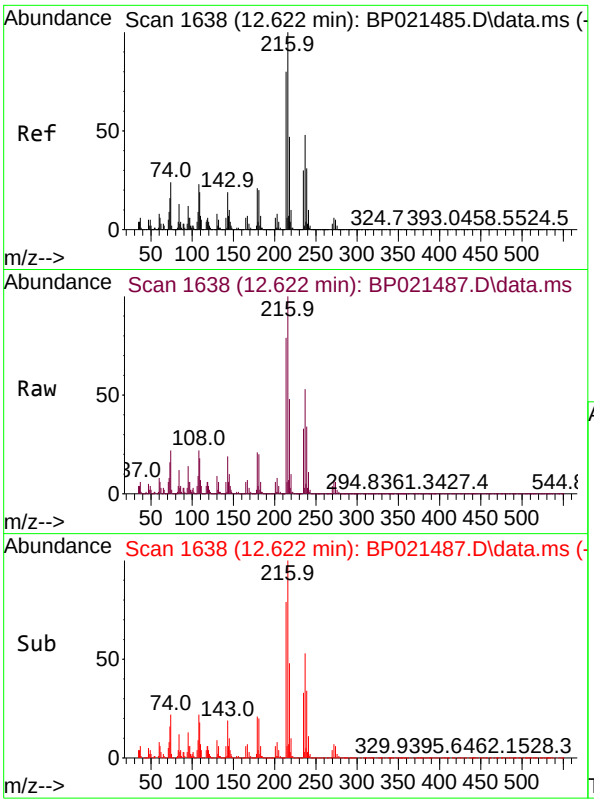


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.107 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:216 Resp: 1762492

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.5	93.7
179	20.4	16.4	24.6
108	20.5	16.7	25.1

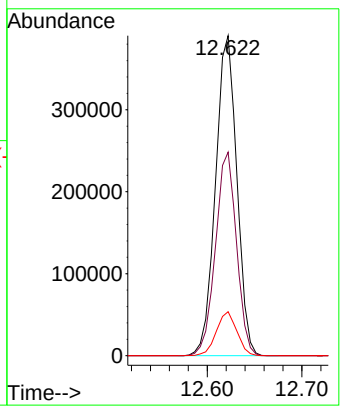




#41
Hexachlorocyclopentadiene
Concen: 69.006 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:237 Resp: 61082

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.9	83.9
272	13.7	0.0	33.3



Instrument :
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ClientSampleId :
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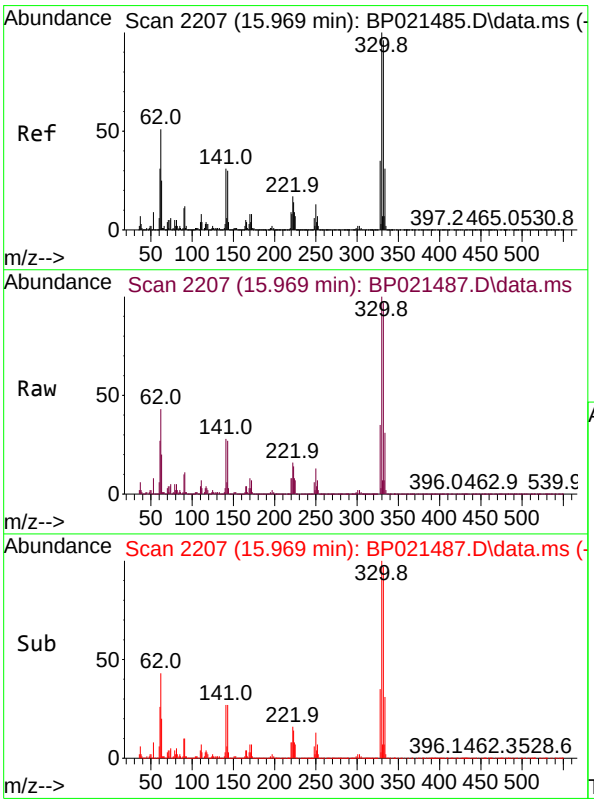
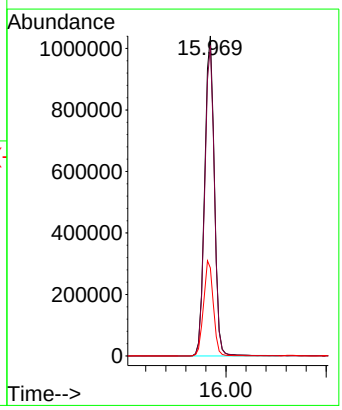
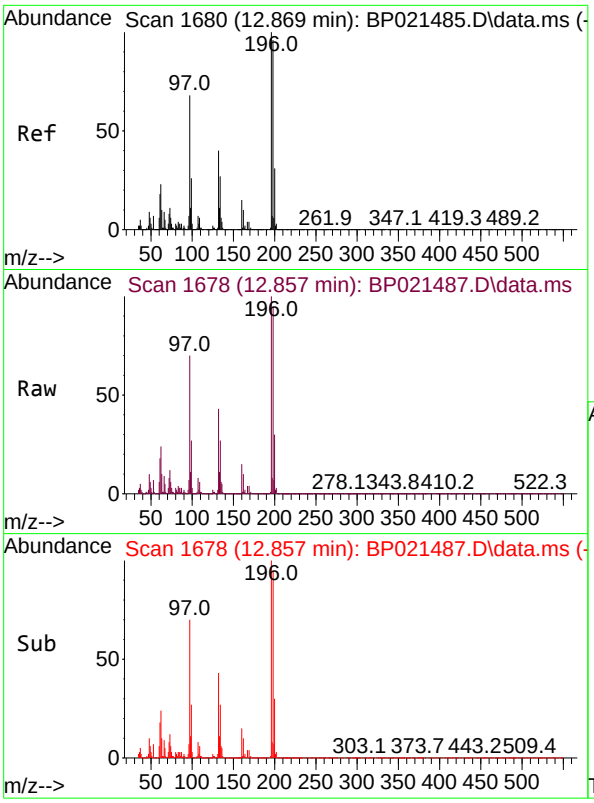


#42
2,4,6-Tribromophenol
Concen: 132.067 ng
RT: 15.969 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:330 Resp: 1401053

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.9	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 67.687 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:196 Resp: 105009

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
200	29.9	24.5	36.7

Instrument :
BNA_P
ClientSampleId :
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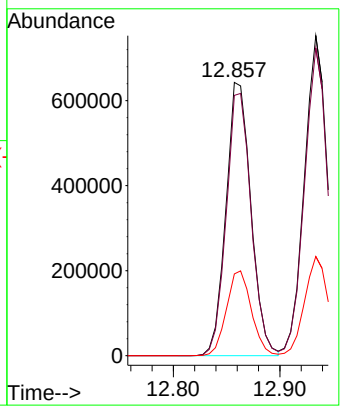
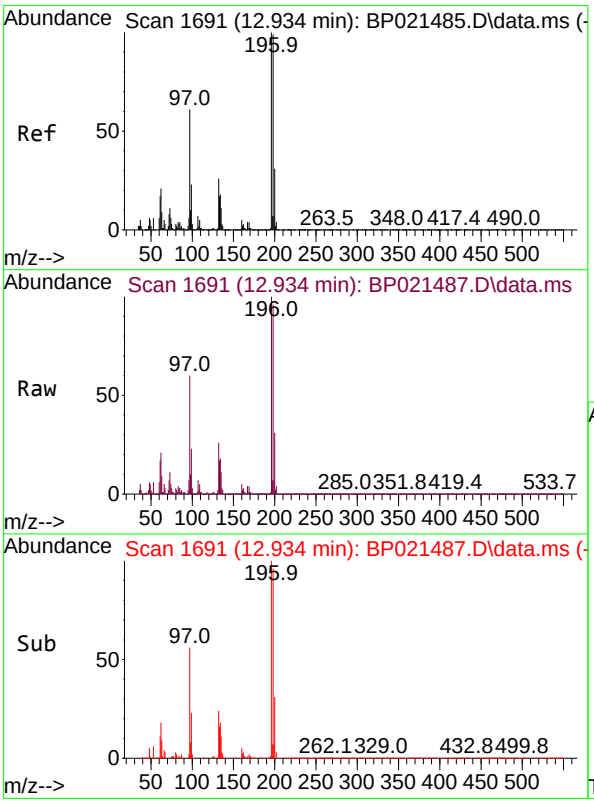
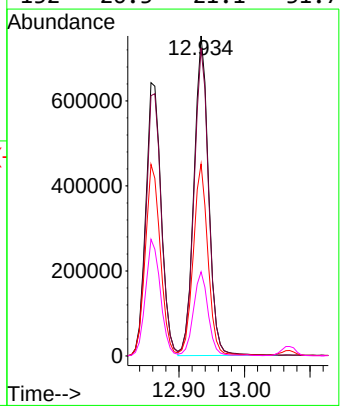


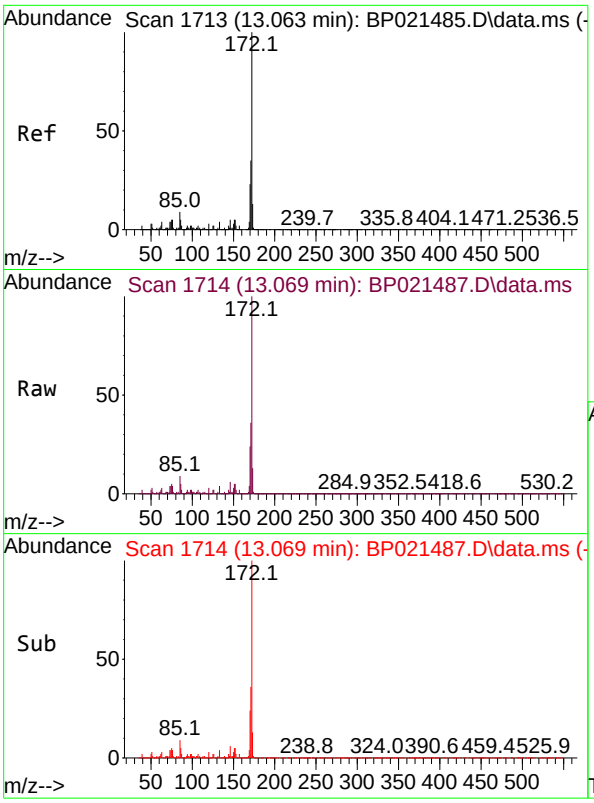


#44
2,4,5-Trichlorophenol
Concen: 67.609 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:196 Resp: 1165351

Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.9	118.3
97	60.0	49.4	74.0
132	26.3	21.1	31.7

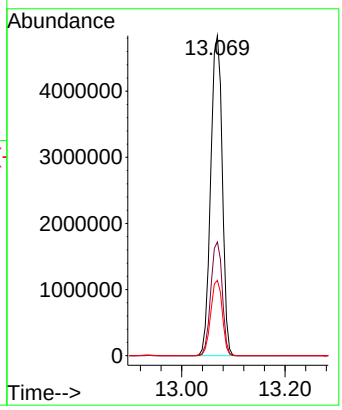




#45
2-Fluorobiphenyl
Concen: 119.833 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:172 Resp: 748443

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.5	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
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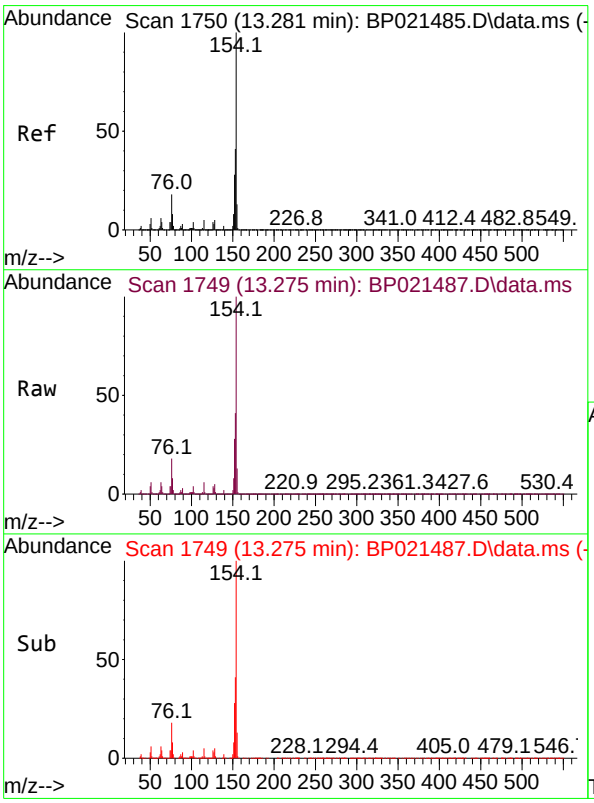
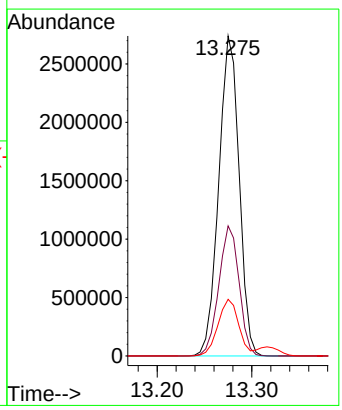
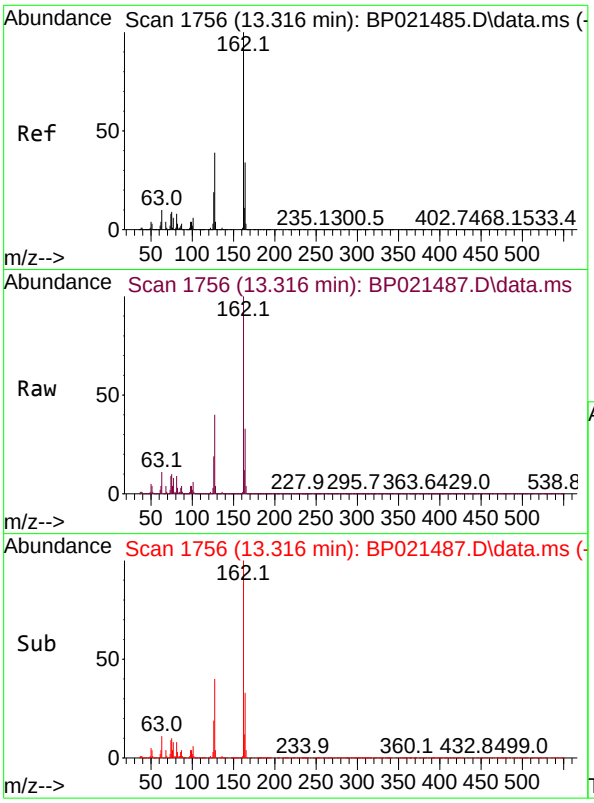


#46
1,1'-Biphenyl
Concen: 60.754 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 4097218

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.7	60.7
76	17.7	0.0	37.7

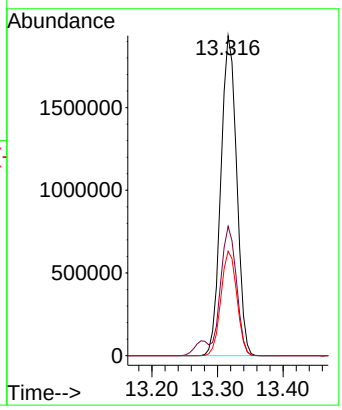




#47
2-Chloronaphthalene
Concen: 61.498 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 322886

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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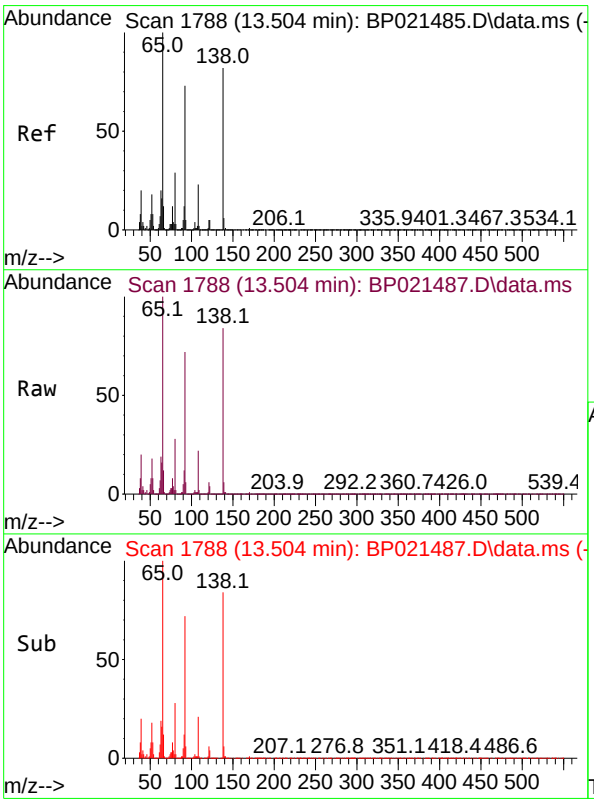
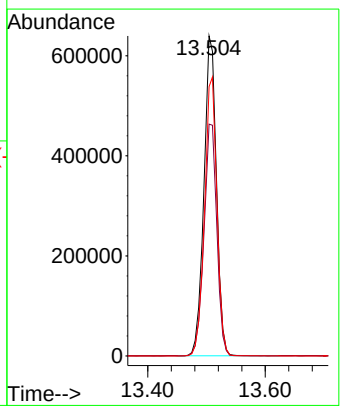
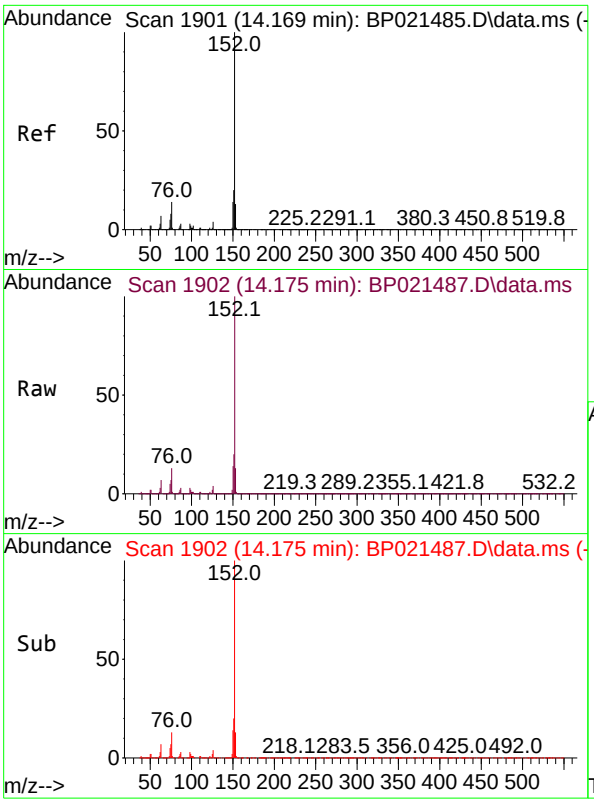


#48
2-Nitroaniline
Concen: 62.204 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 65 Resp: 940456

Ion	Ratio	Lower	Upper
65	100		
92	72.4	58.1	87.1
138	84.1	65.5	98.3





#49
Acenaphthylene
Concen: 60.501 ng
RT: 14.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 466964

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.1	10.6	16.0

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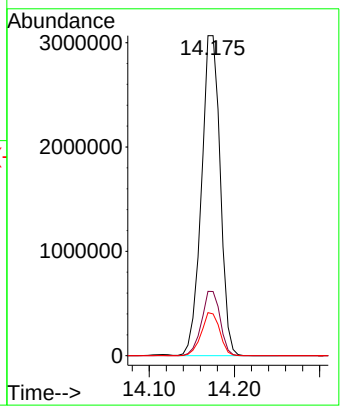
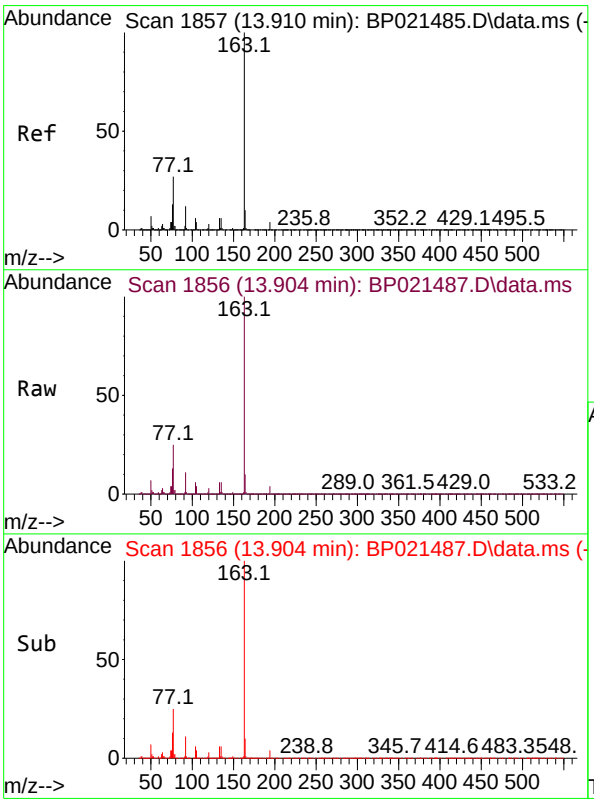
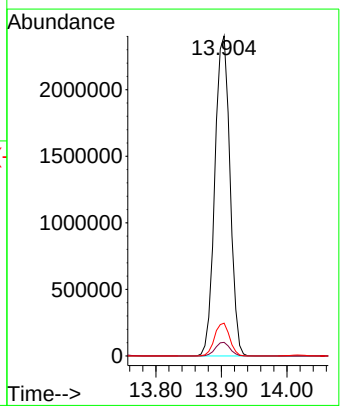


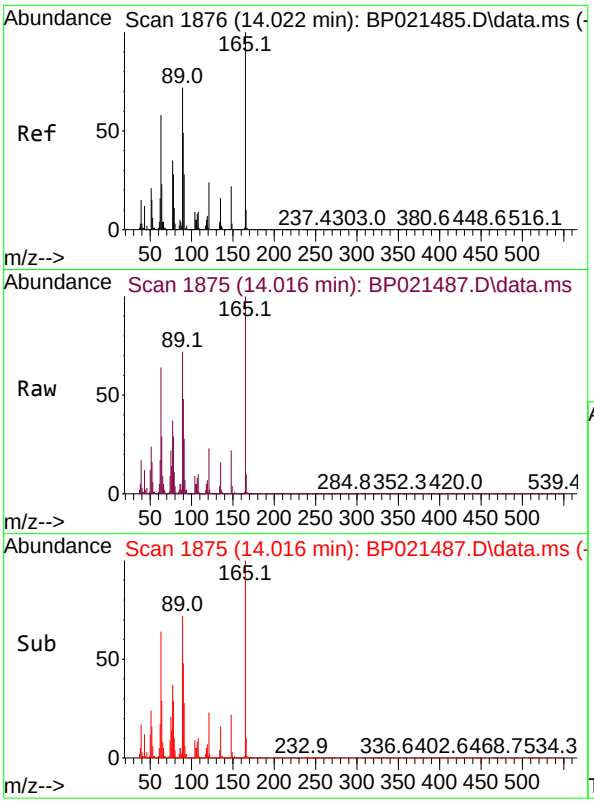


#50
Dimethylphthalate
Concen: 60.041 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:163 Resp: 3832687

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.2	8.3	12.5

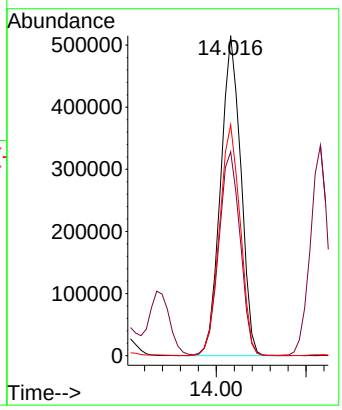




#51
2,6-Dinitrotoluene
Concen: 61.336 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:165 Resp: 80545

Ion	Ratio	Lower	Upper
165	100		
63	63.7	51.5	77.3
89	72.1	57.8	86.8



Instrument :
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ClientSampleId :
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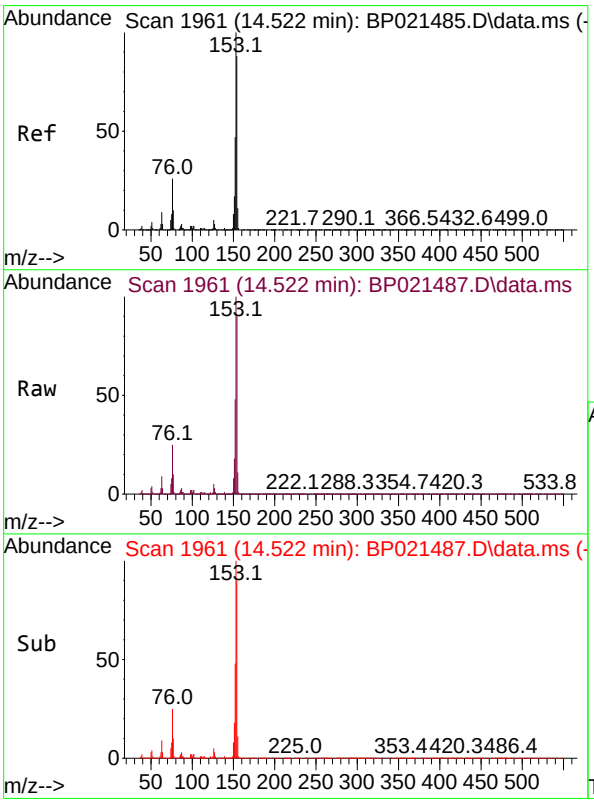
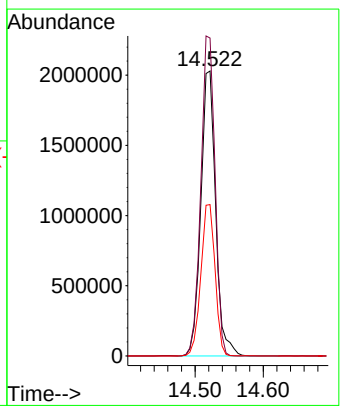
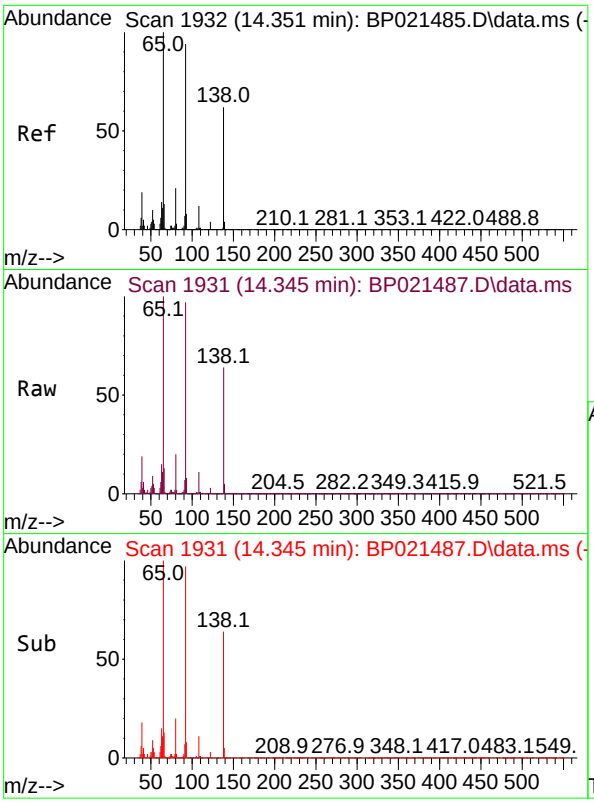


#52
Acenaphthene
Concen: 60.546 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 3066208

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.1	136.7
152	53.1	43.0	64.4

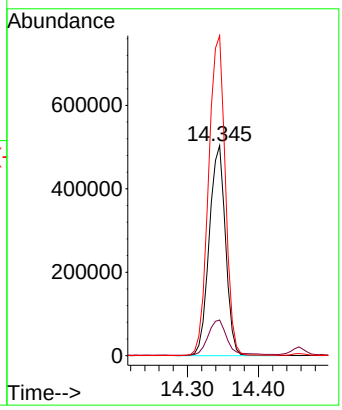




#53
3-Nitroaniline
Concen: 61.781 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 79790

Ion	Ratio	Lower	Upper
138	100		
108	17.0	16.2	24.4
92	152.3	122.2	183.4



Instrument :
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ClientSampleId :
SSTDICC060

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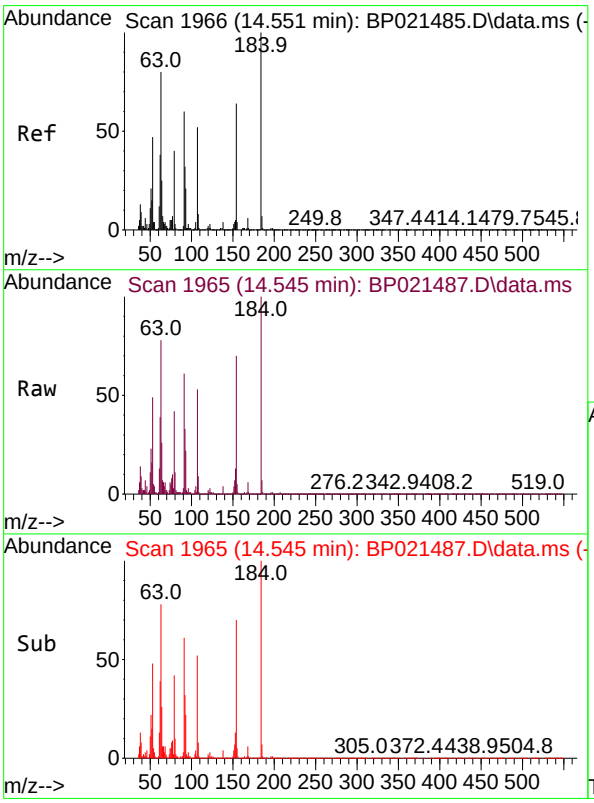
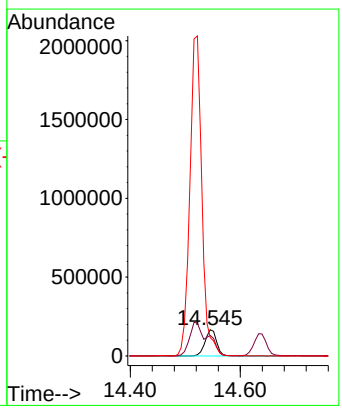
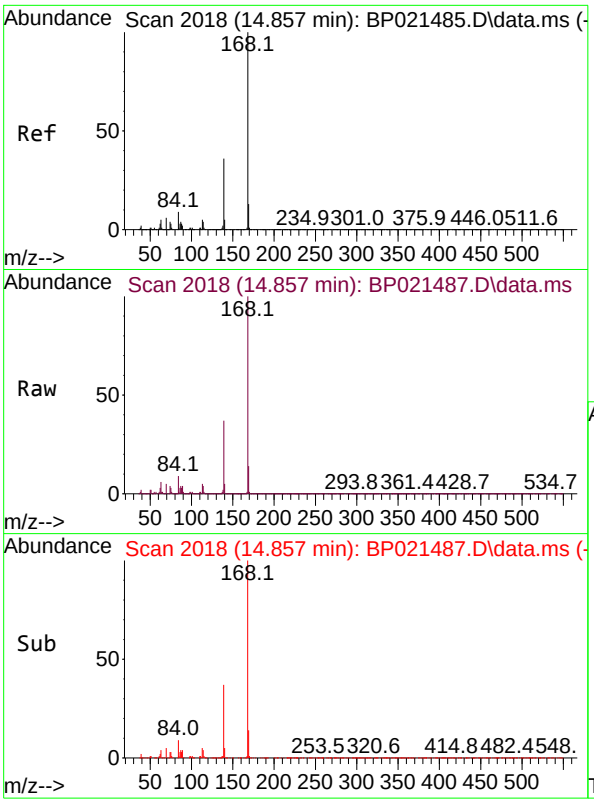


#54
2,4-Dinitrophenol
Concen: 61.764 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 242951

Ion	Ratio	Lower	Upper
184	100		
63	77.9	64.9	97.3
154	70.2	52.1	78.1

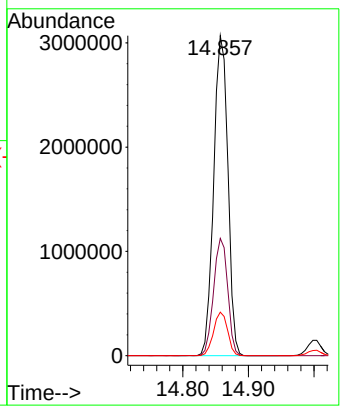




#55
Dibenzofuran
Concen: 58.970 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:168 Resp: 459408

Ion	Ratio	Lower	Upper
168	100		
139	36.7	28.6	43.0
169	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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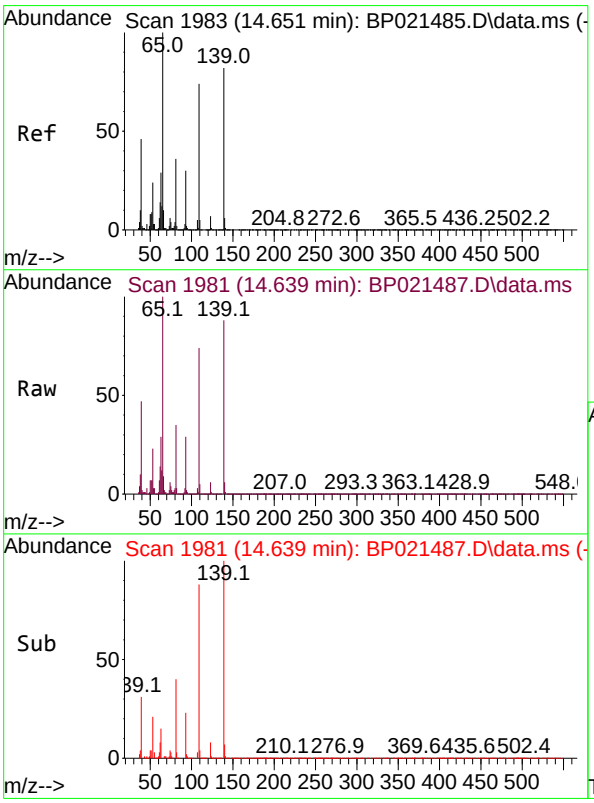
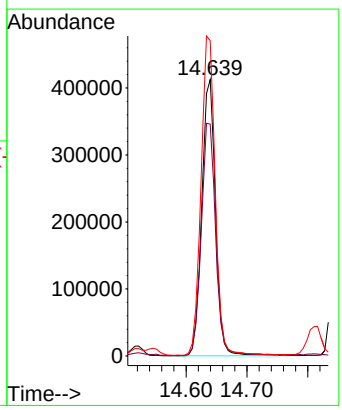
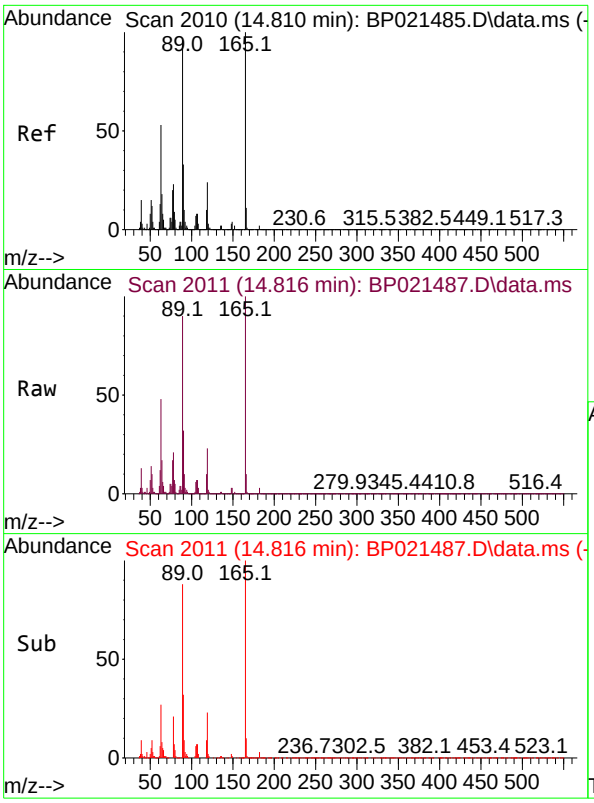


#56
4-Nitrophenol
Concen: 62.066 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 644221

Ion	Ratio	Lower	Upper
139	100		
109	83.8	70.2	110.2
65	114.0	101.8	141.8





#57
2,4-Dinitrotoluene
Concen: 61.548 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 103406

Ion	Ratio	Lower	Upper
165	100		
63	48.2	42.5	63.7
89	90.5	77.1	115.7
182	3.0	2.0	3.0#

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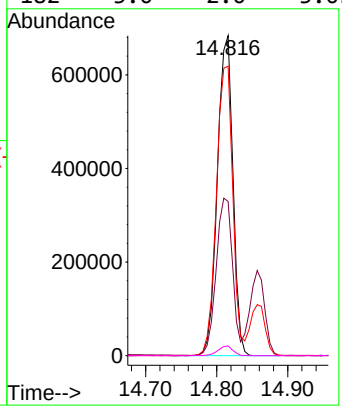
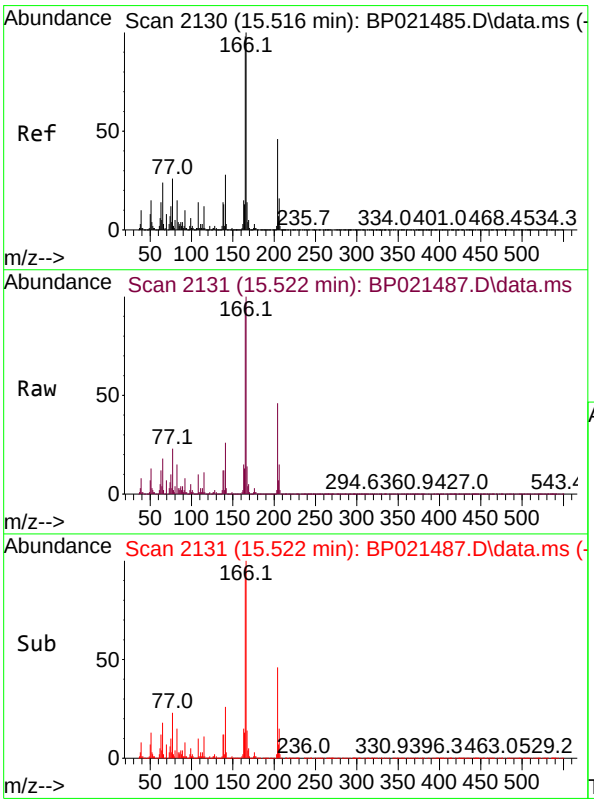
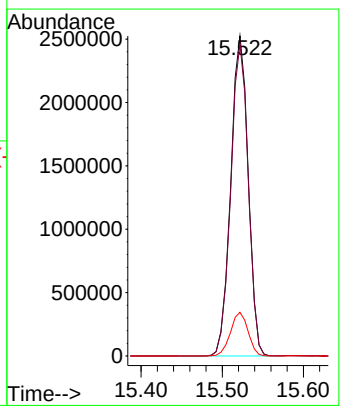


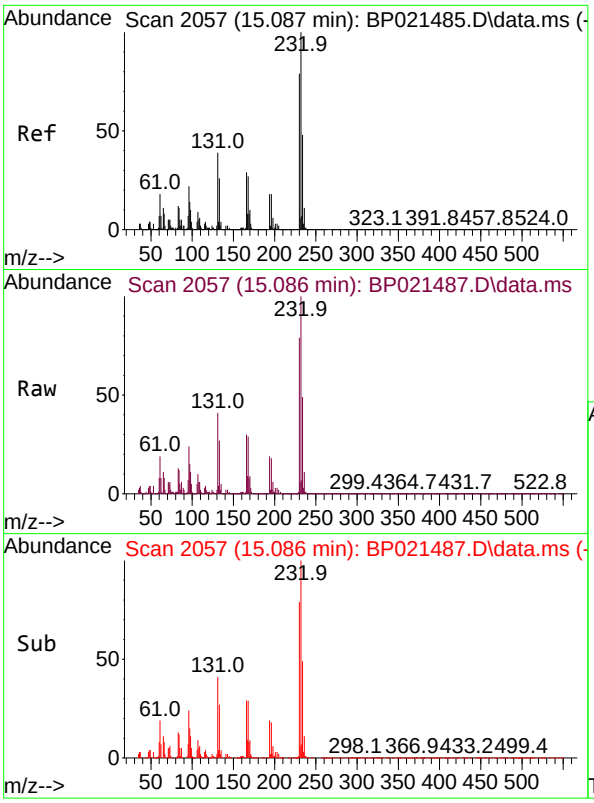


#58
Fluorene
Concen: 58.748 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:166 Resp: 3759913

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.6	11.0	16.4

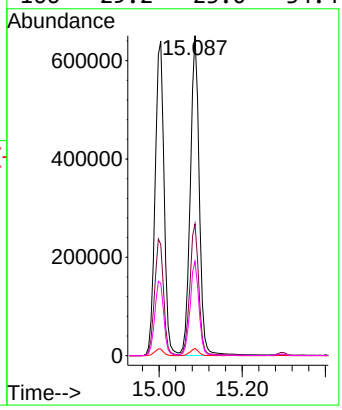




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.550 ng
RT: 15.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:232 Resp: 97364

Ion	Ratio	Lower	Upper
232	100		
131	41.0	33.1	49.7
130	2.2	1.7	2.5
166	29.2	23.0	34.4



Instrument :
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ClientSampleId :
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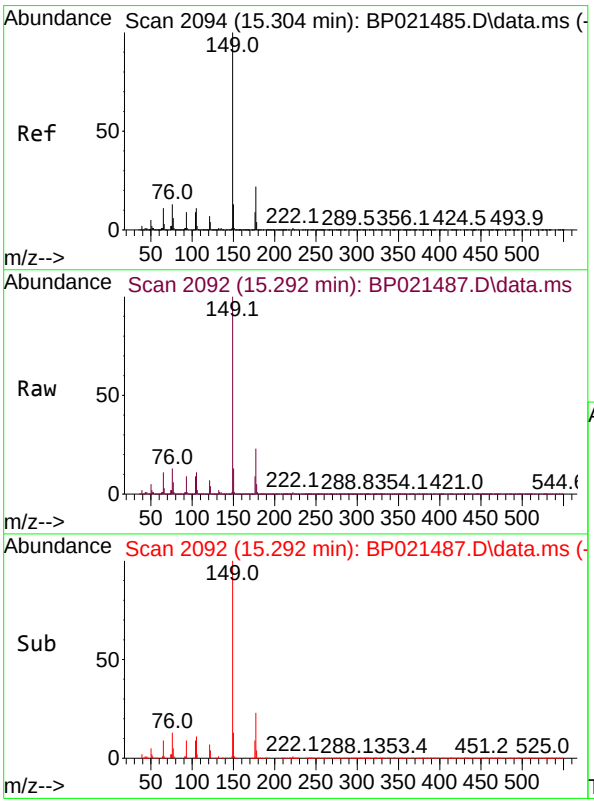
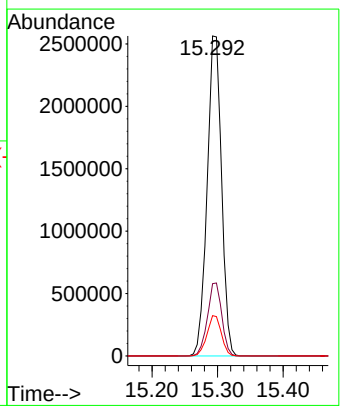
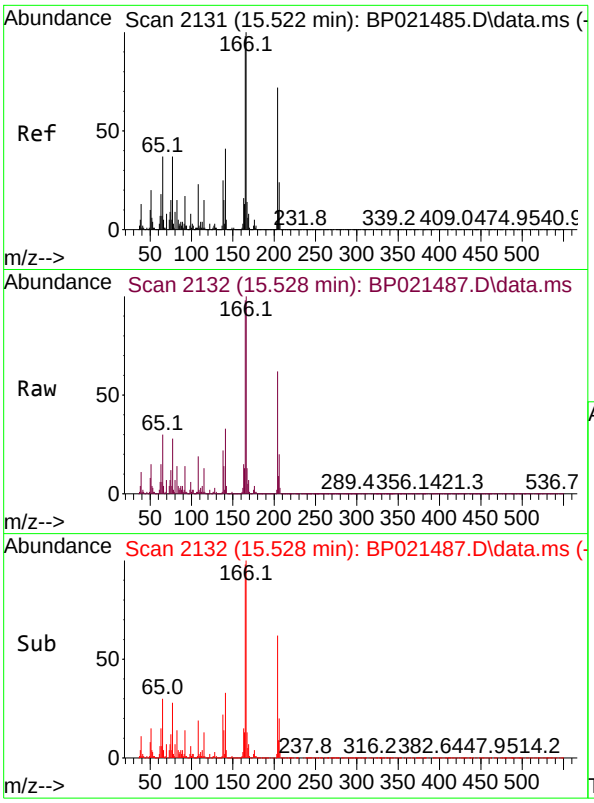


#60
Diethylphthalate
Concen: 59.713 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 3911032

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.8
150	12.6	10.1	15.1

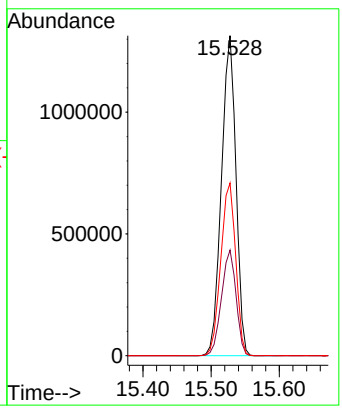




#61
4-Chlorophenyl-phenylether
Concen: 58.814 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:204 Resp: 194571

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	53.9	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
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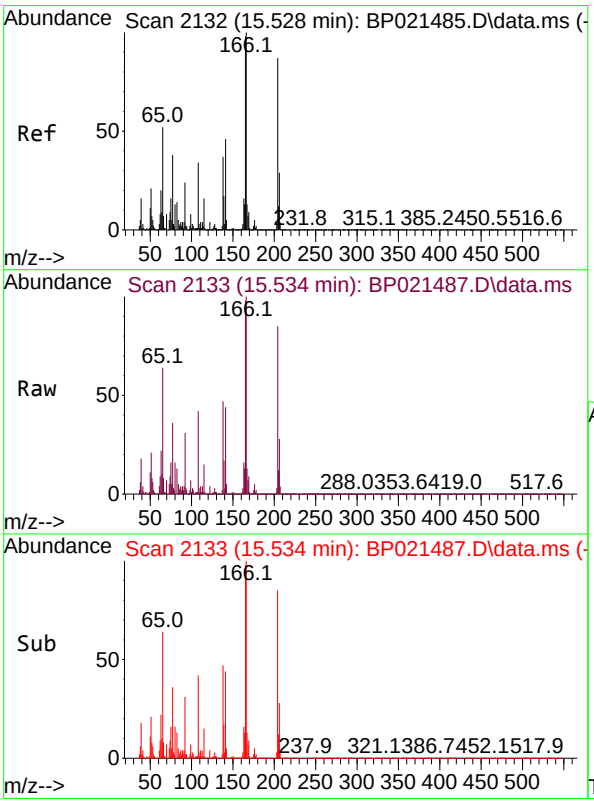
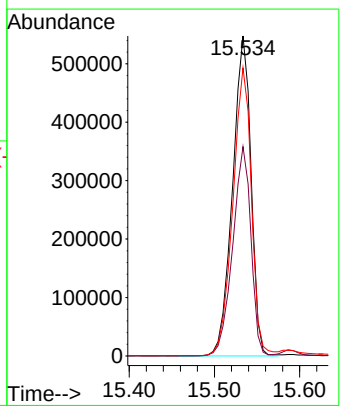
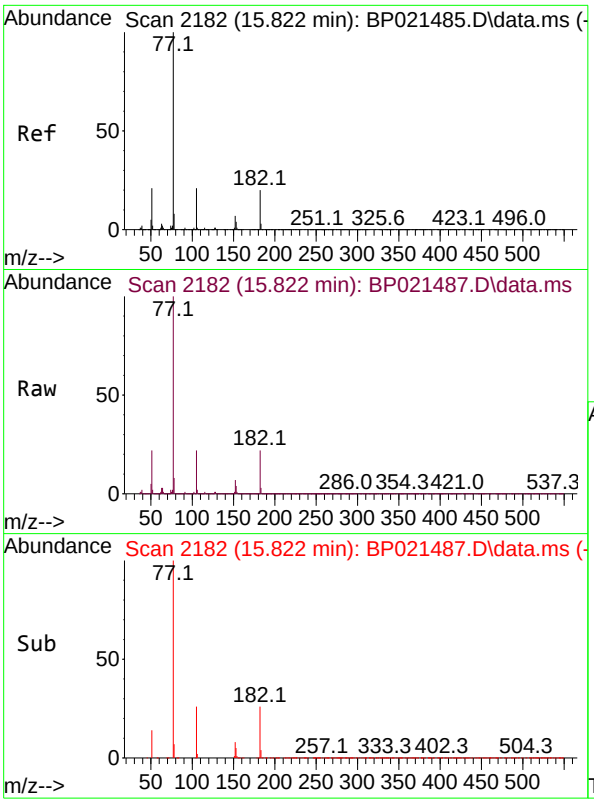


#62
4-Nitroaniline
Concen: 62.407 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 824354

Ion	Ratio	Lower	Upper
138	100		
92	65.4	46.4	86.4
108	90.0	73.2	113.2

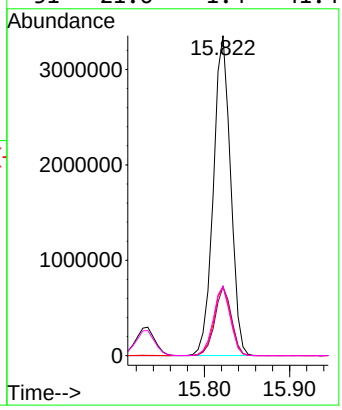




#63
Azobenzene
Concen: 58.524 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 471182

Ion	Ratio	Lower	Upper
77	100		
182	21.5	0.0	39.9
105	21.6	0.9	40.9
51	21.6	1.4	41.4



Instrument :
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ClientSampleId :
SSTDICC060

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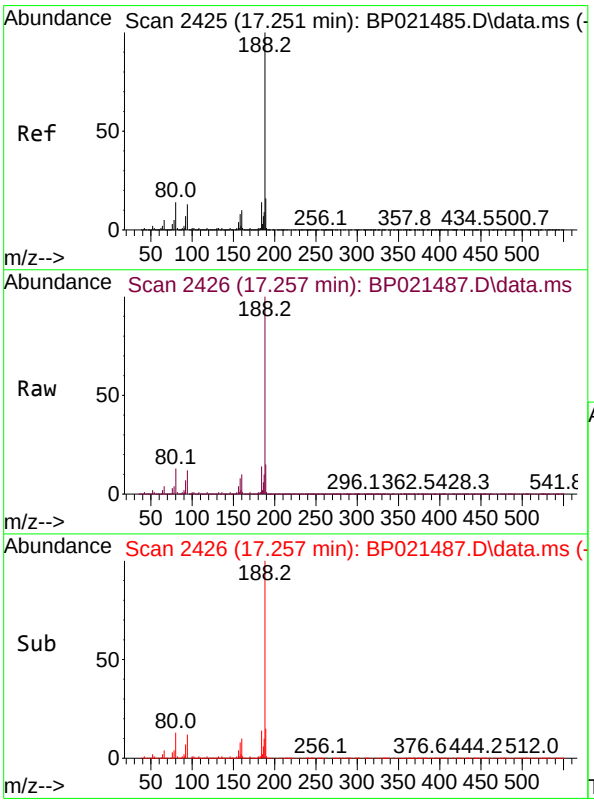
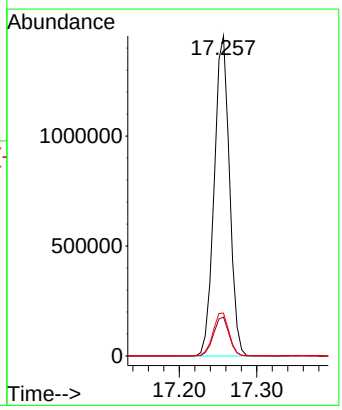
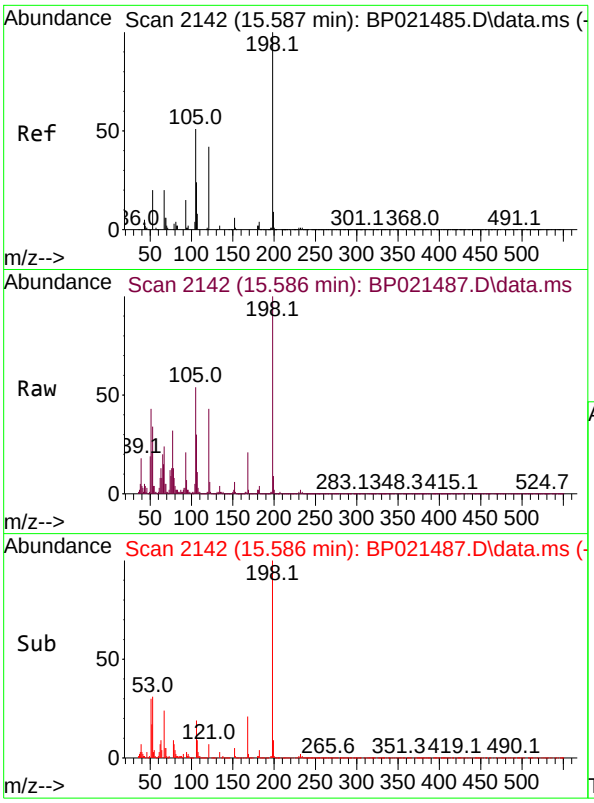


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:188 Resp: 1991489

Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.2	15.4
80	13.4	11.6	17.4

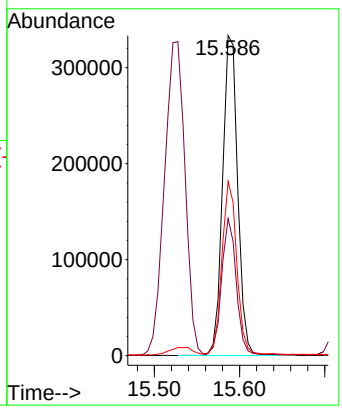




#65
4,6-Dinitro-2-methylphenol
Concen: 61.846 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:198 Resp: 41009

Ion	Ratio	Lower	Upper
198	100		
51	42.9	21.5	61.5
105	54.5	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
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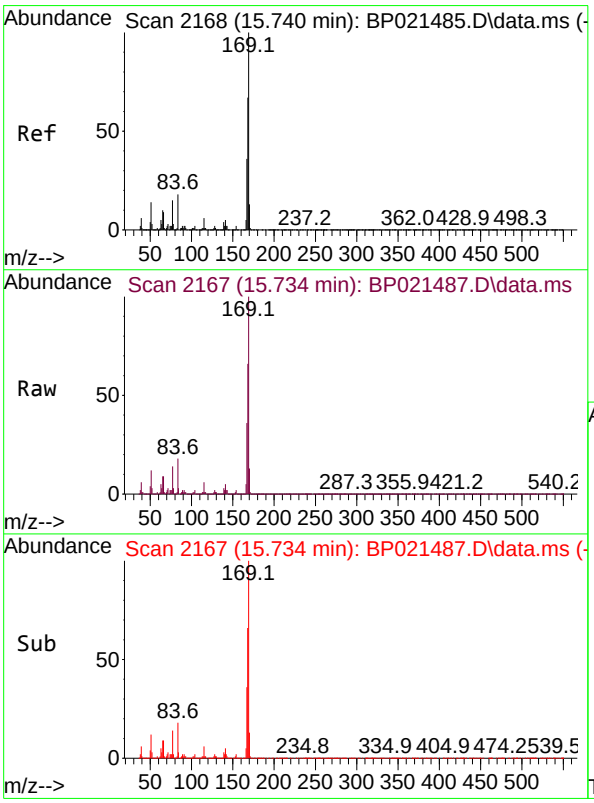
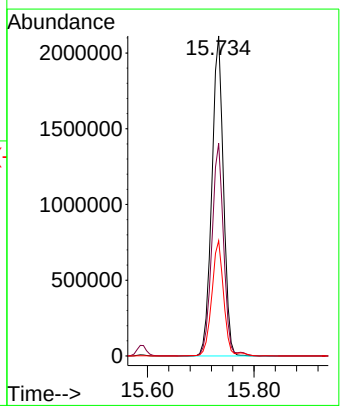
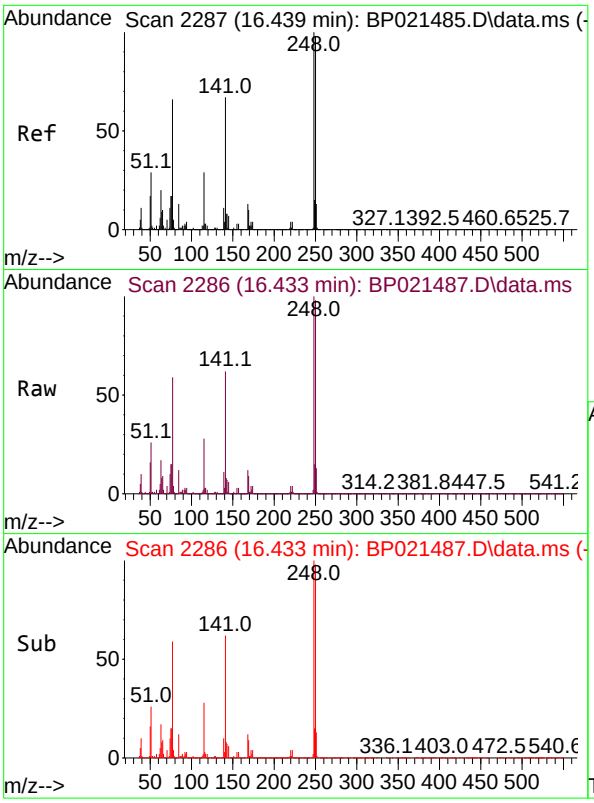


#66
n-Nitrosodiphenylamine
Concen: 59.821 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:169 Resp: 3192615

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.0	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 61.016 ng
RT: 16.433 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:248 Resp: 128604

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.6	117.8
141	61.7	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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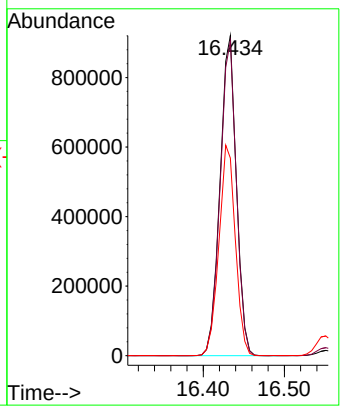
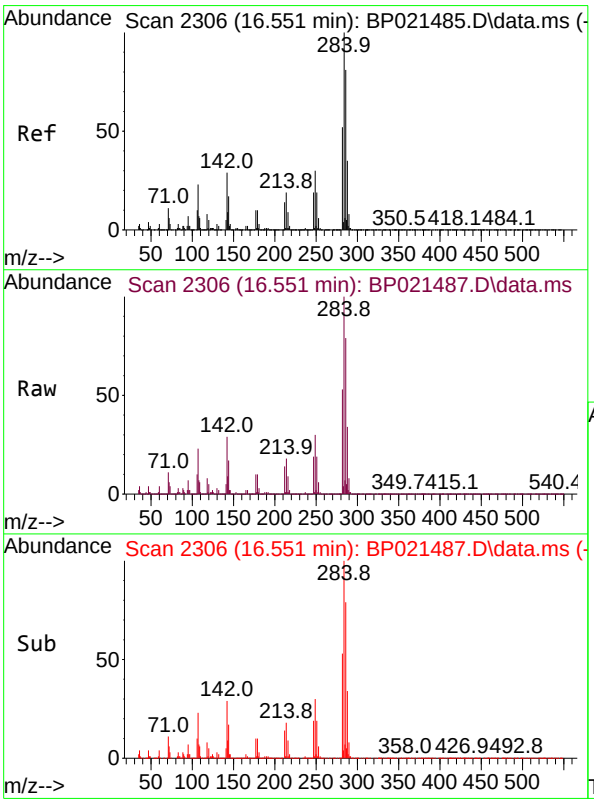
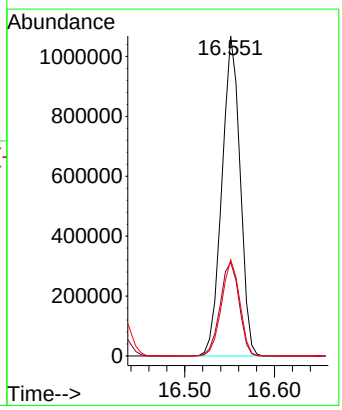


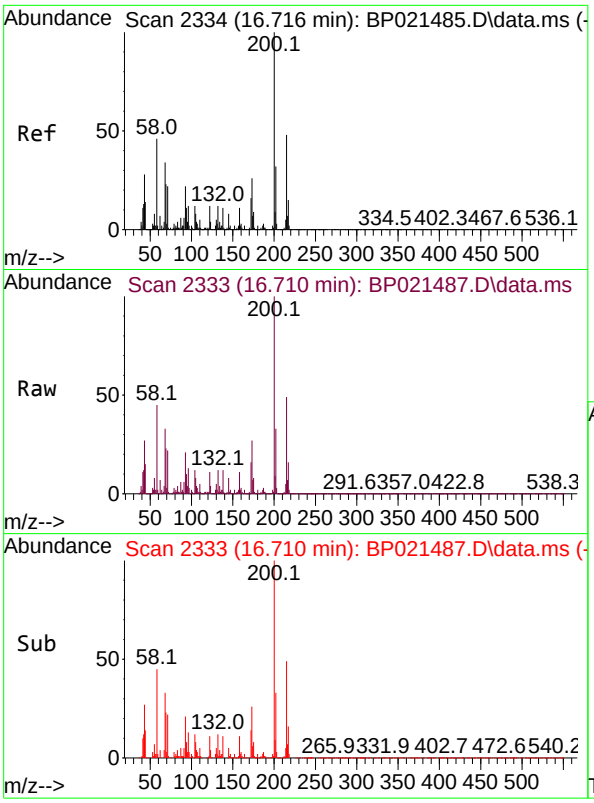


#68
Hexachlorobenzene
Concen: 60.456 ng
RT: 16.551 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:284 Resp: 1505847

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1





#69
Atrazine
Concen: 59.397 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:200 Resp: 108834

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.2	46.2
215	49.2	28.4	68.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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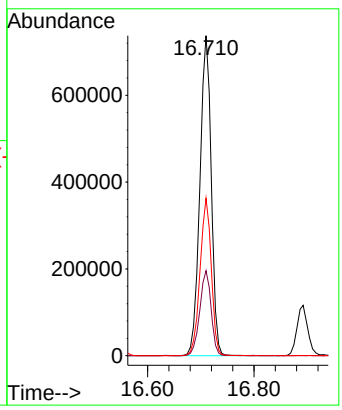
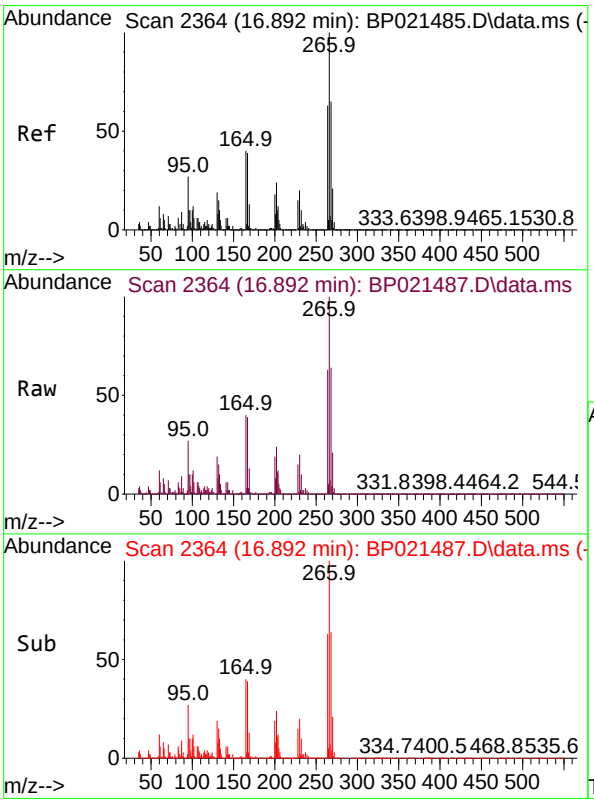
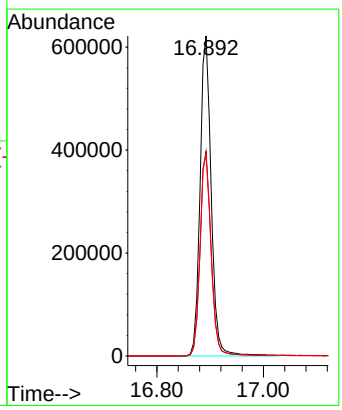


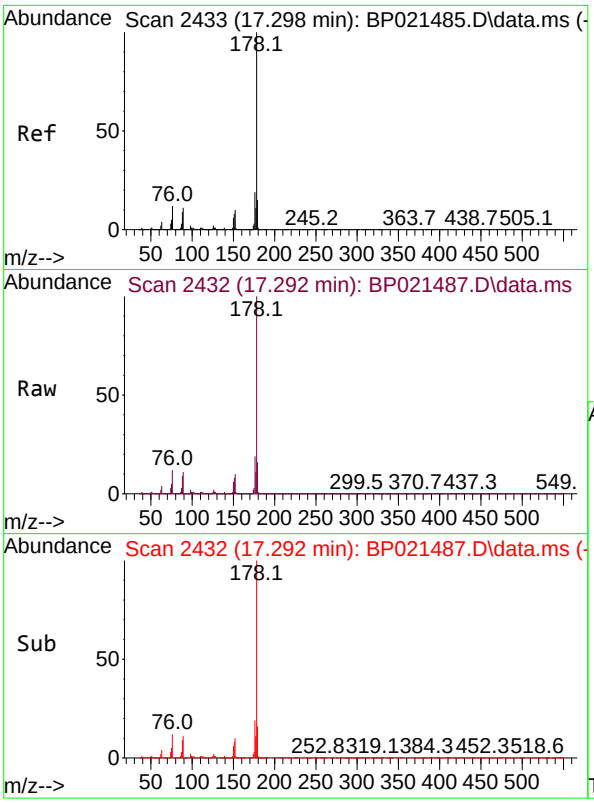


#70
Pentachlorophenol
Concen: 66.192 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:266 Resp: 899879

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.8	77.6
264	63.1	50.5	75.7

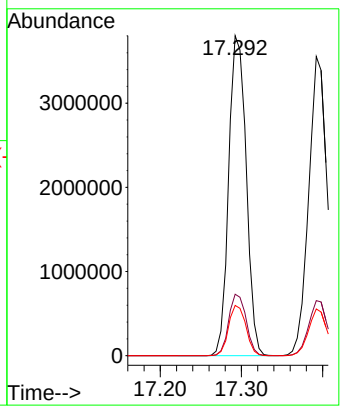




#71
Phenanthrene
Concen: 59.366 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:178 Resp: 568578

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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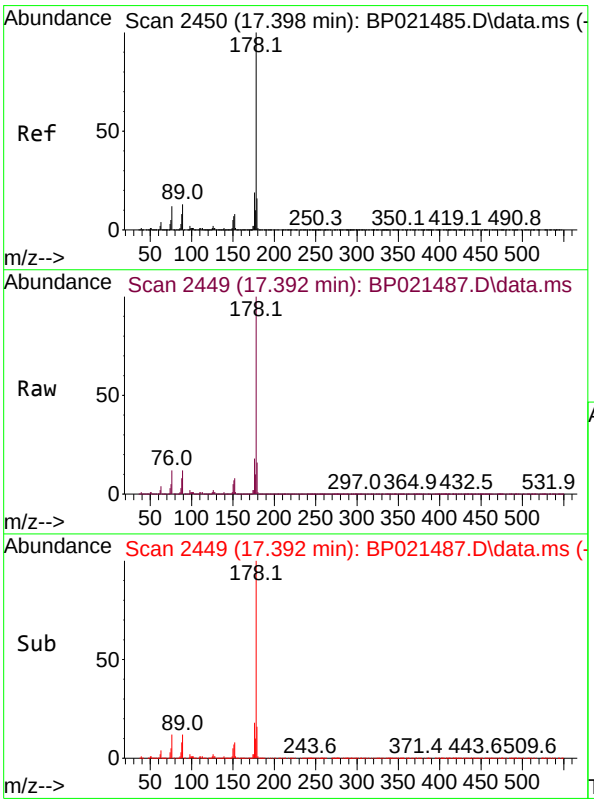
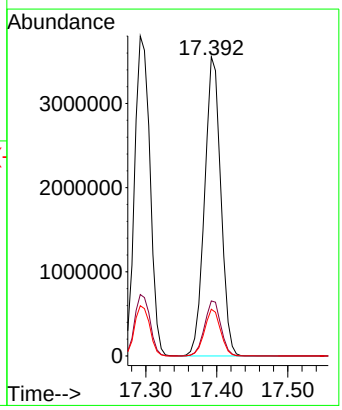
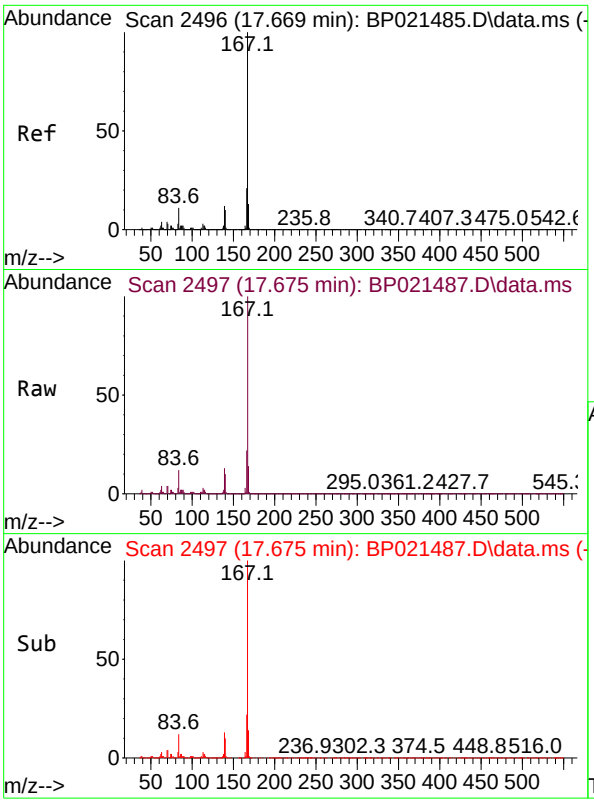


#72
Anthracene
Concen: 60.013 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:178 Resp: 5636907

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.6	12.5	18.7

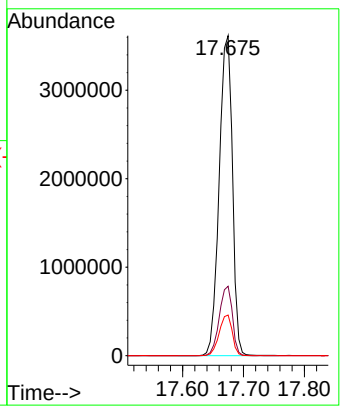




#73
Carbazole
Concen: 60.260 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:167 Resp: 545482

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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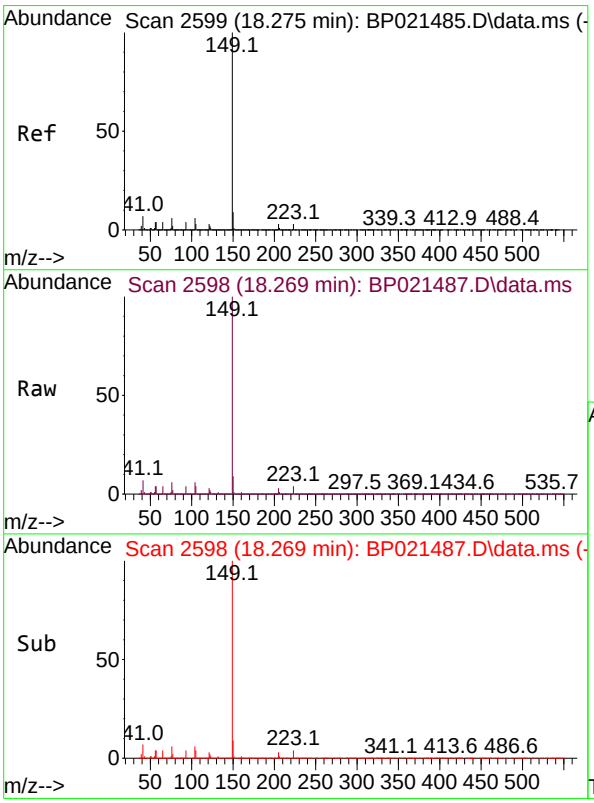
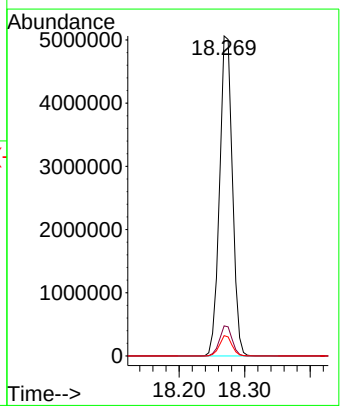
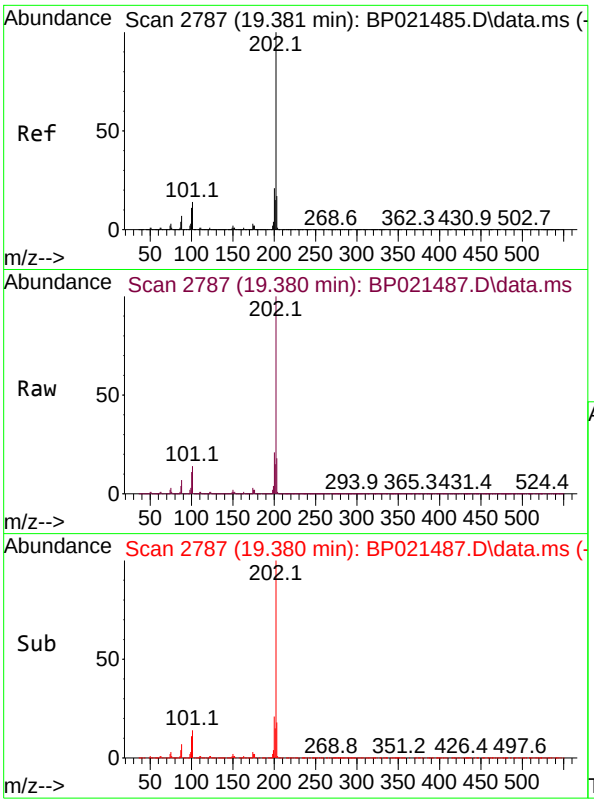


#74
Di-n-butylphthalate
Concen: 61.477 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 6834417

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.4	4.9	7.3

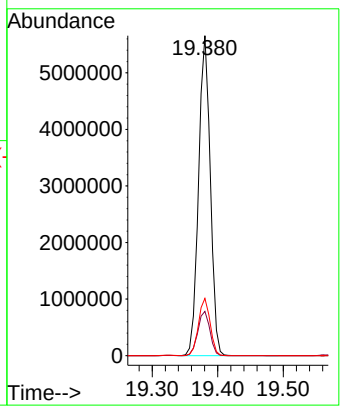




#75
Fluoranthene
Concen: 59.949 ng
RT: 19.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 704490

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	17.9	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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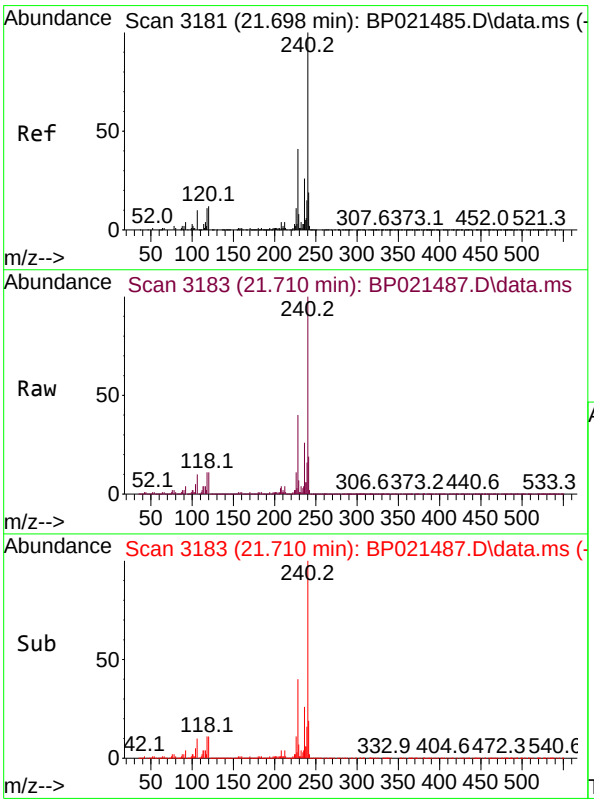
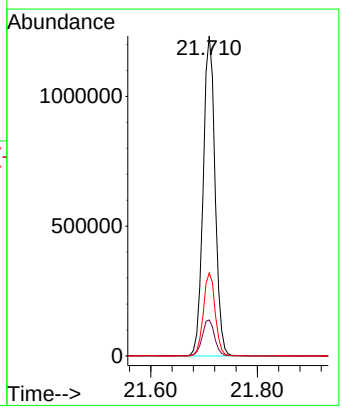
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

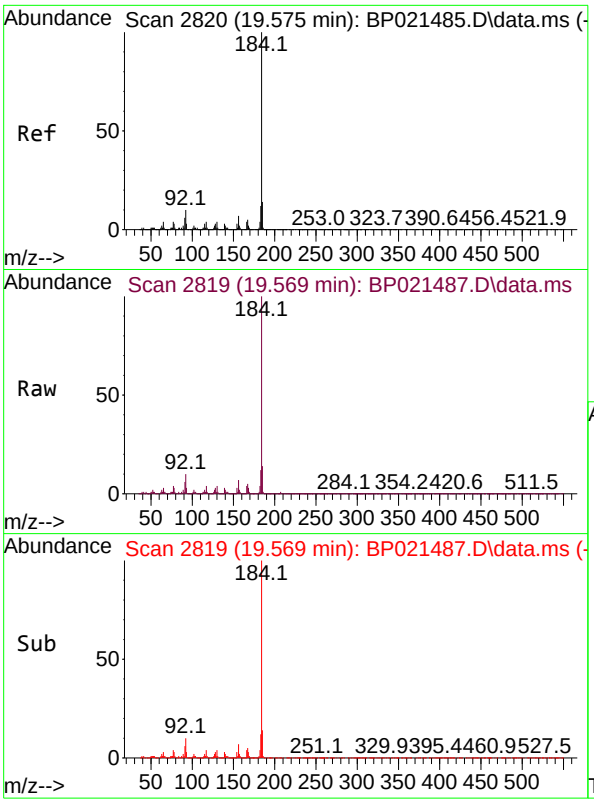


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:240 Resp: 1907005

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	26.0	20.6	30.8

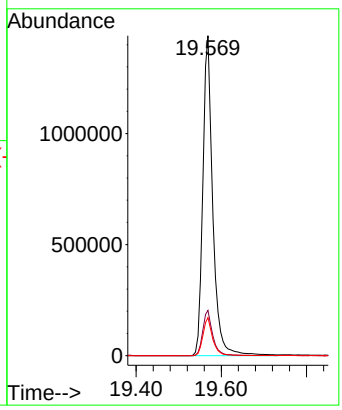




#77
Benzidine
Concen: 54.599 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 233483

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.9	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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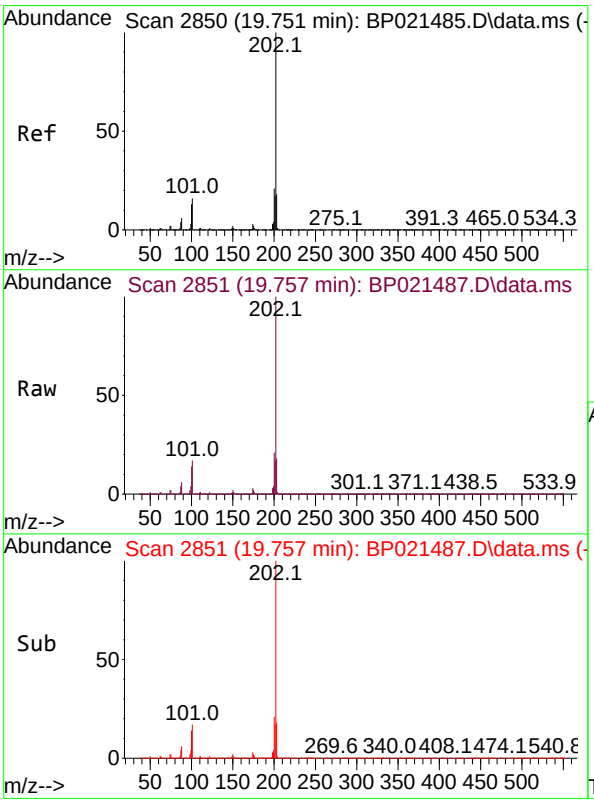
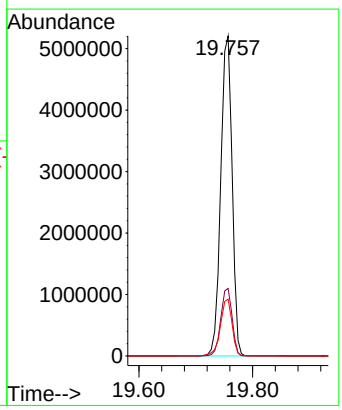
Supervised By :mohammad ahmed 08/14/2024

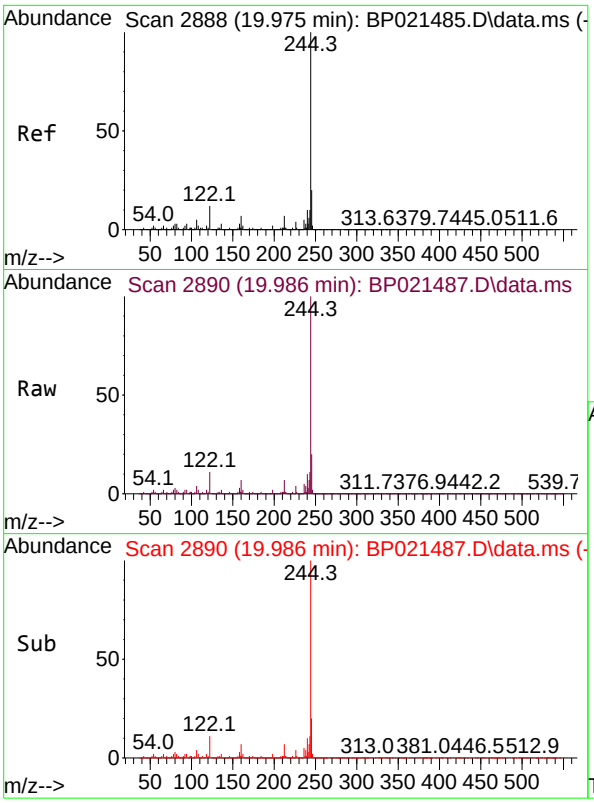


#78
Pyrene
Concen: 58.277 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 7263907

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.7	14.1	21.1

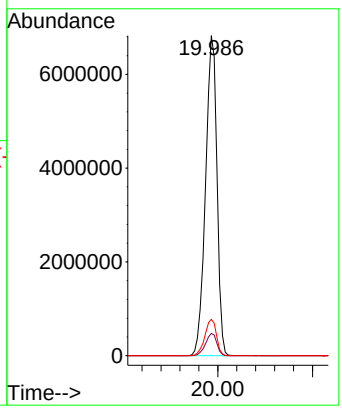




#79
Terphenyl-d14
Concen: 115.877 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:244 Resp:1137462

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.3	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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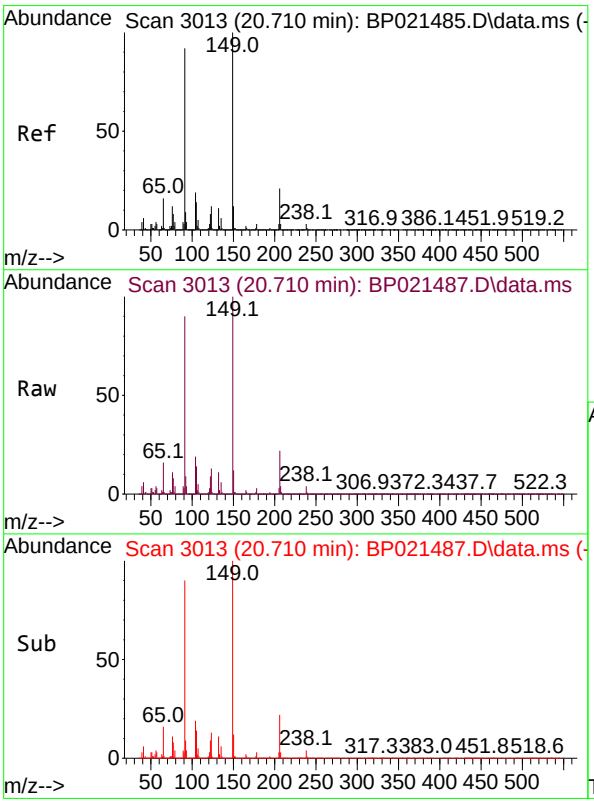
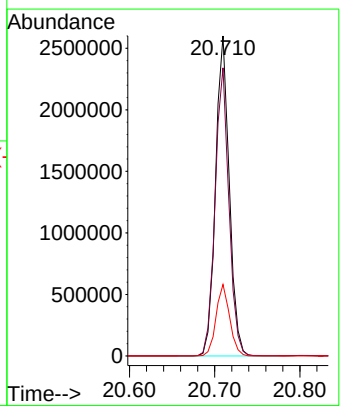
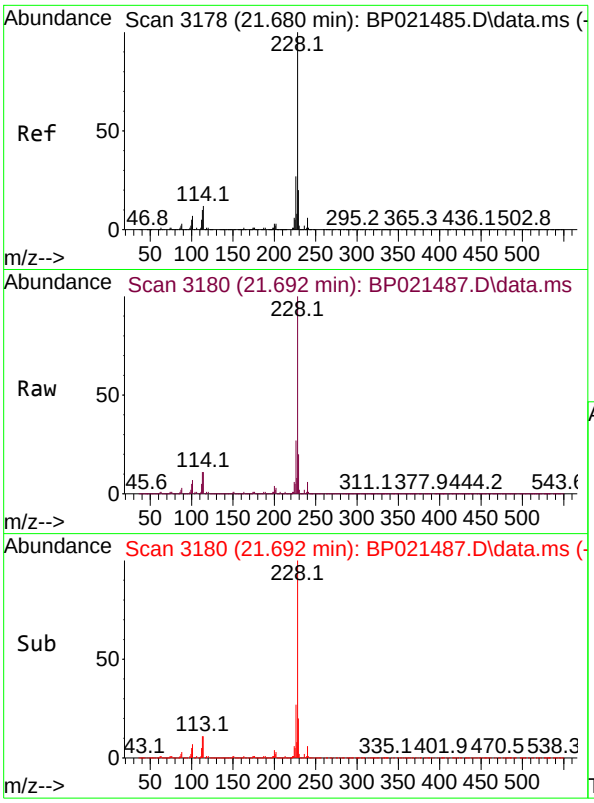


#80
Butylbenzylphthalate
Concen: 60.438 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 2906885

Ion	Ratio	Lower	Upper
149	100		
91	90.1	73.3	109.9
206	22.3	17.1	25.7





#81
Benzo(a)anthracene
Concen: 59.472 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:228 Resp: 711965

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.8	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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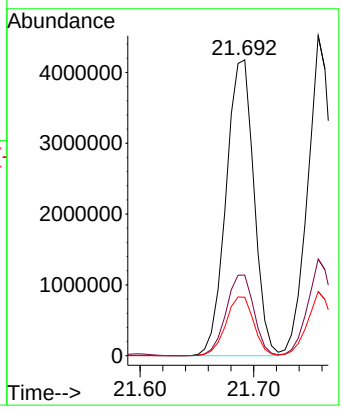
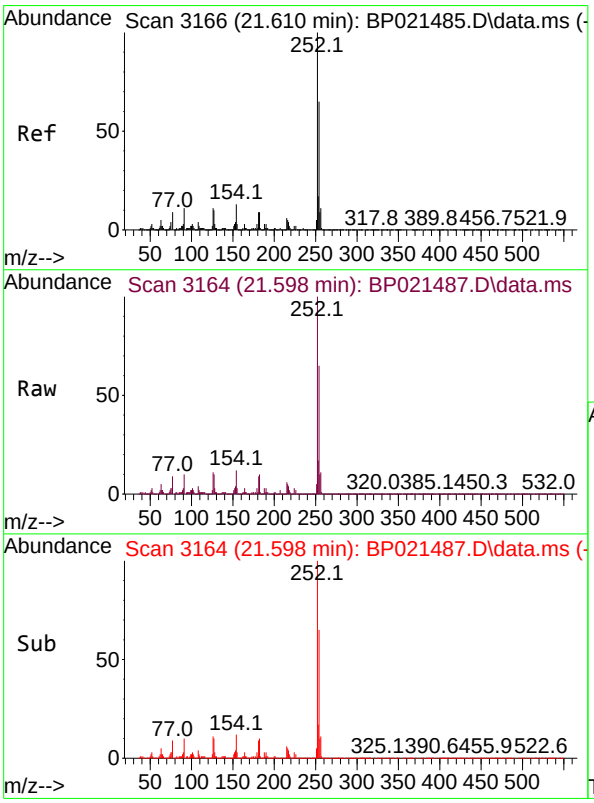
Supervised By :mohammad ahmed 08/14/2024

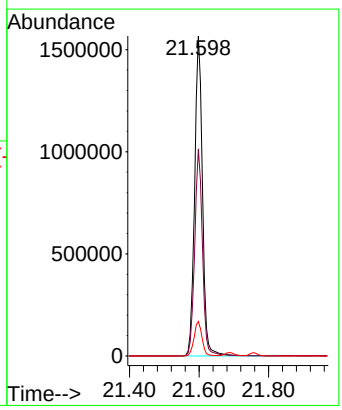


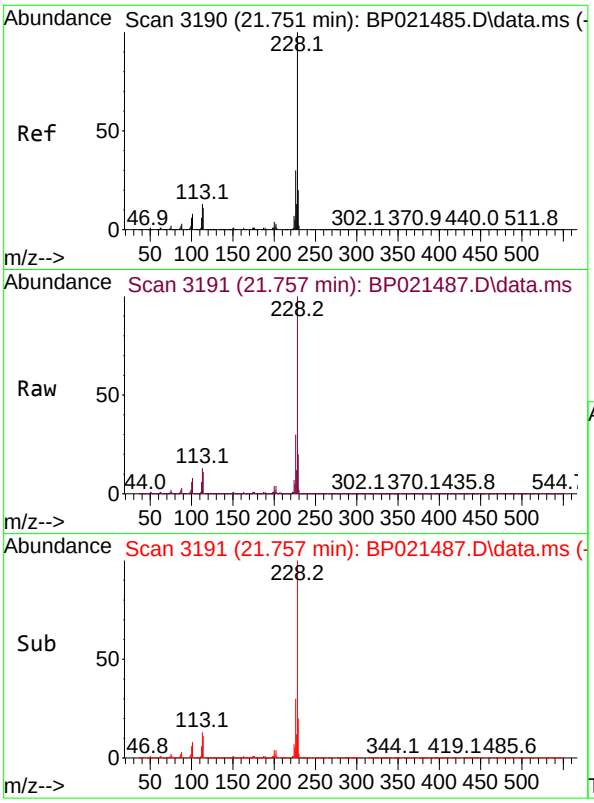


#82
3,3'-Dichlorobenzidine
Concen: 63.969 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 2455338

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	10.8	8.7	13.1

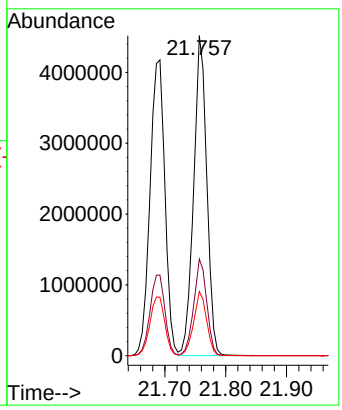




#83
Chrysene
Concen: 59.831 ng
RT: 21.757 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:228 Resp: 676256

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	20.1	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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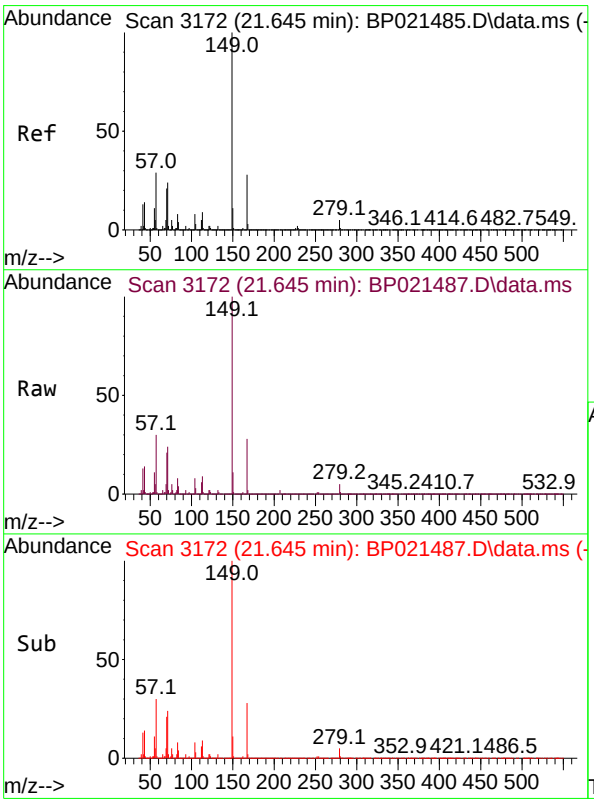
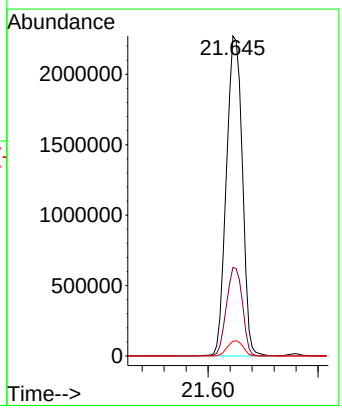
Supervised By :mohammad ahmed 08/14/2024

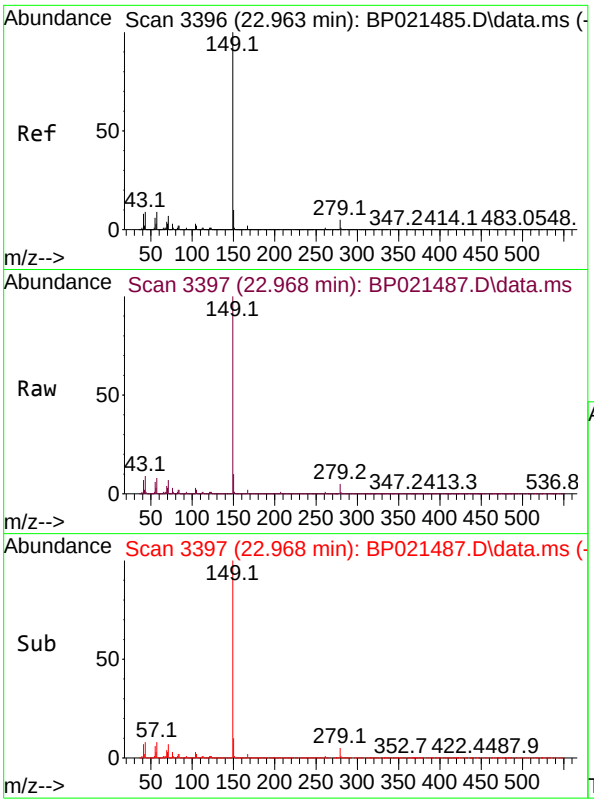


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.685 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 4576797

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.6	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 59.983 ng
RT: 22.968 min Scan# 3
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 762220

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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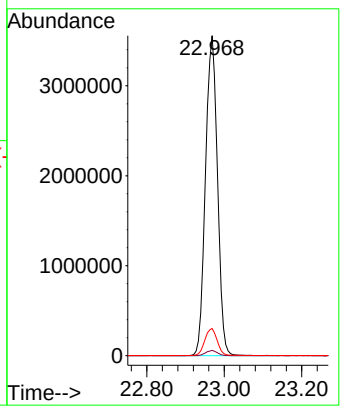
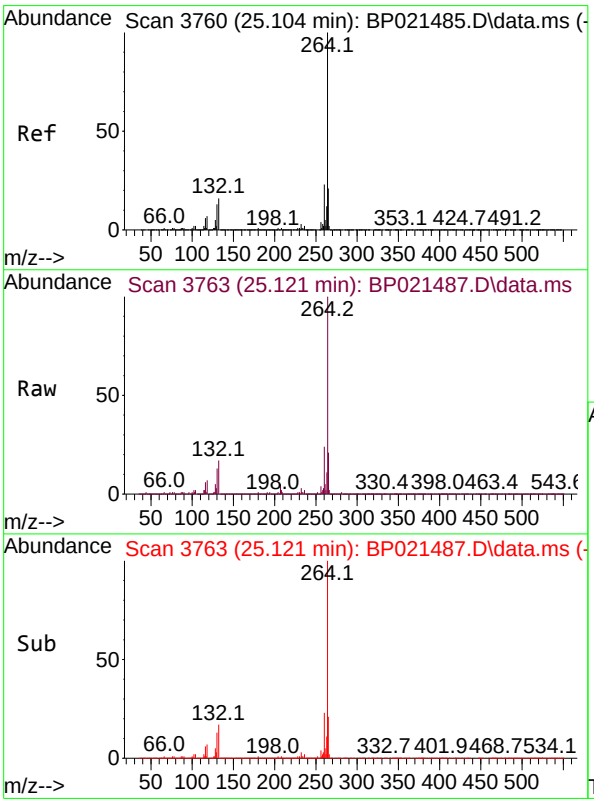
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

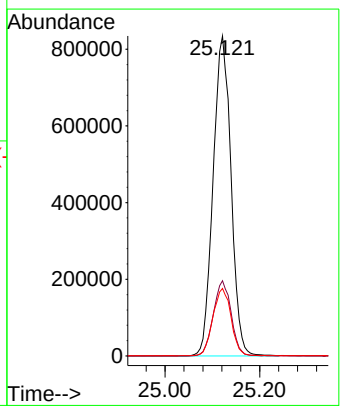


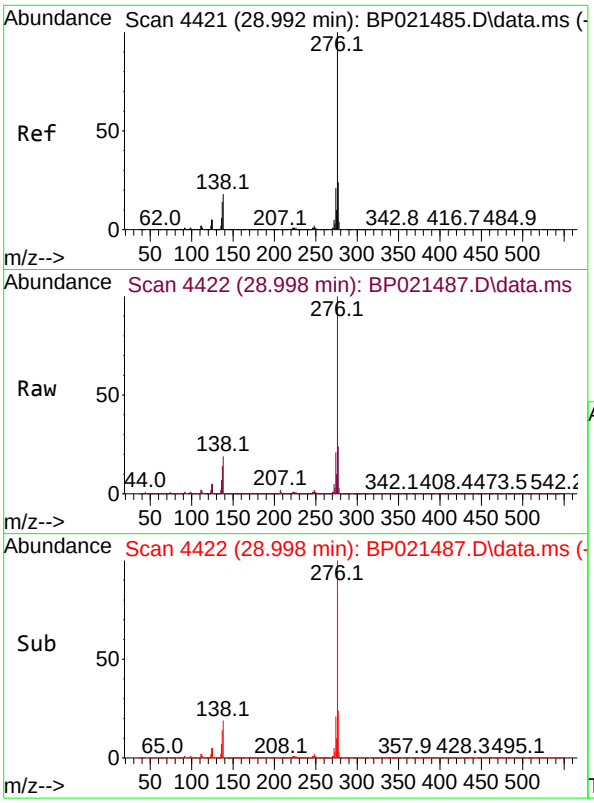


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:264 Resp: 2191159

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.1	17.1	25.7

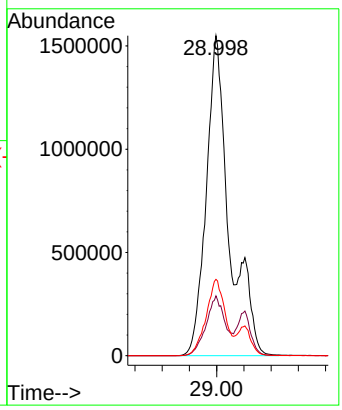




#87
Indeno(1,2,3-cd)pyrene
Concen: 64.078 ng m
RT: 28.998 min Scan# 44
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 910034

Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.8	19.2
277	19.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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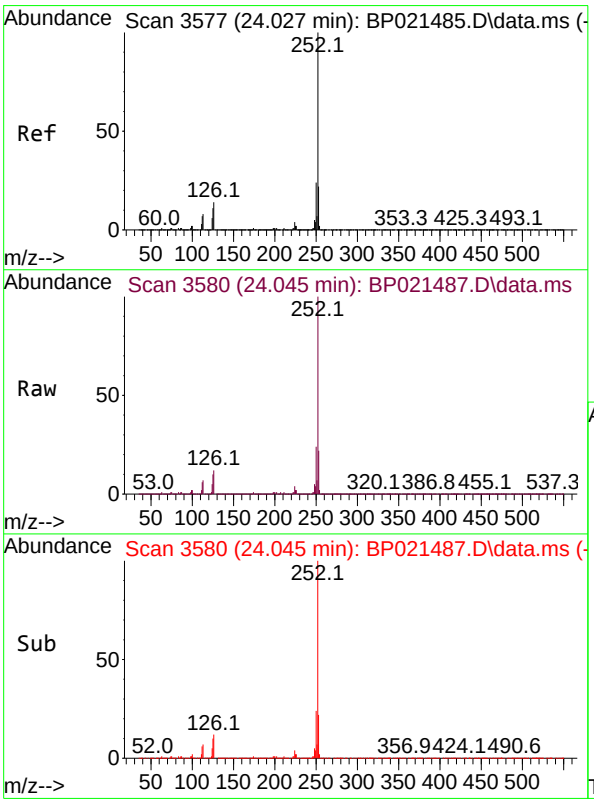
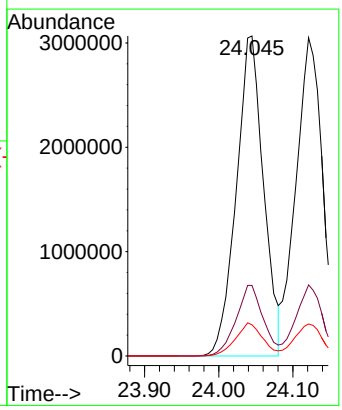
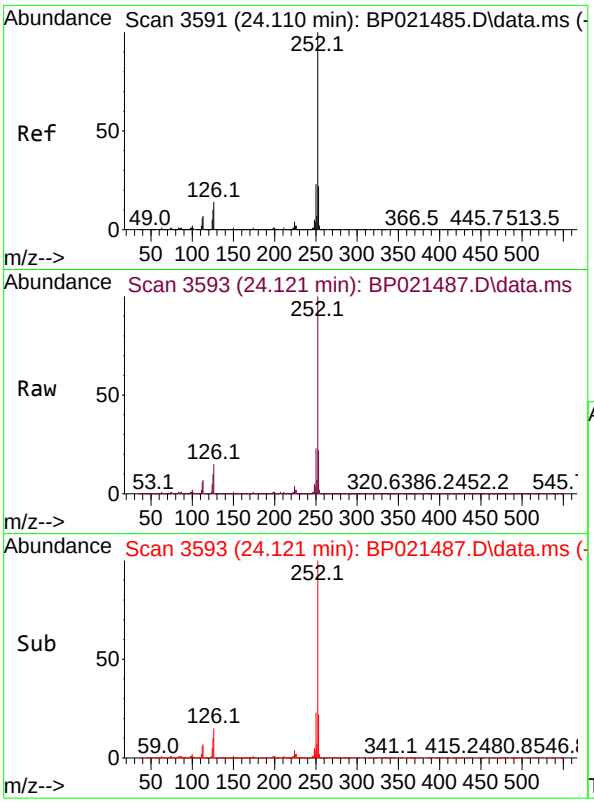


#88
Benzo(b)fluoranthene
Concen: 62.083 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 7812709

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.8	8.6	13.0

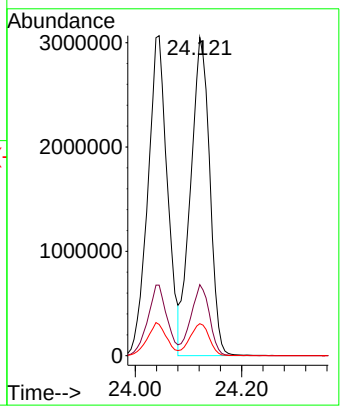




#89
Benzo(k)fluoranthene
Concen: 61.599 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 756196

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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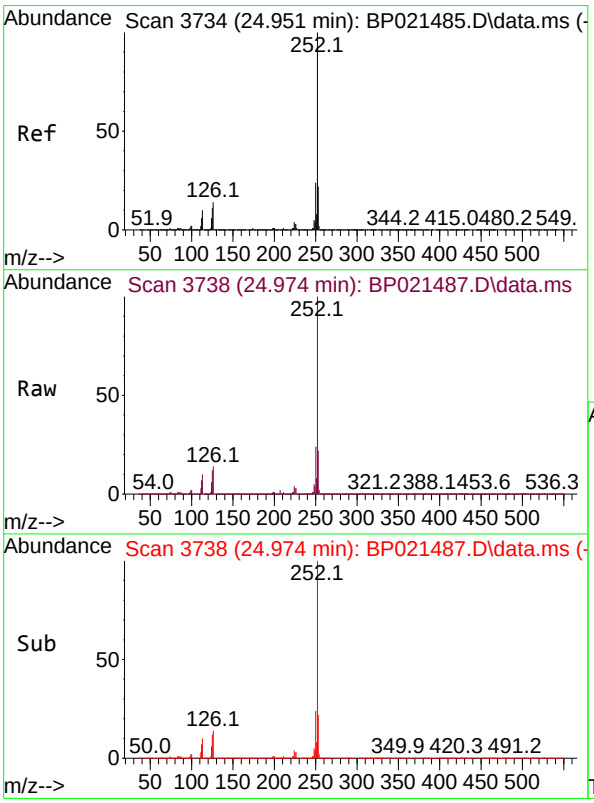
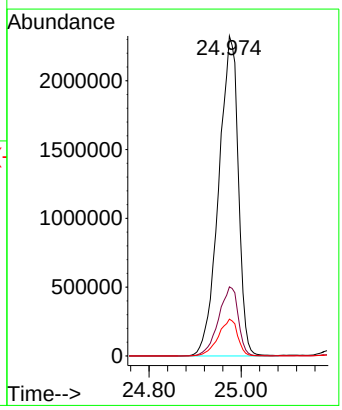
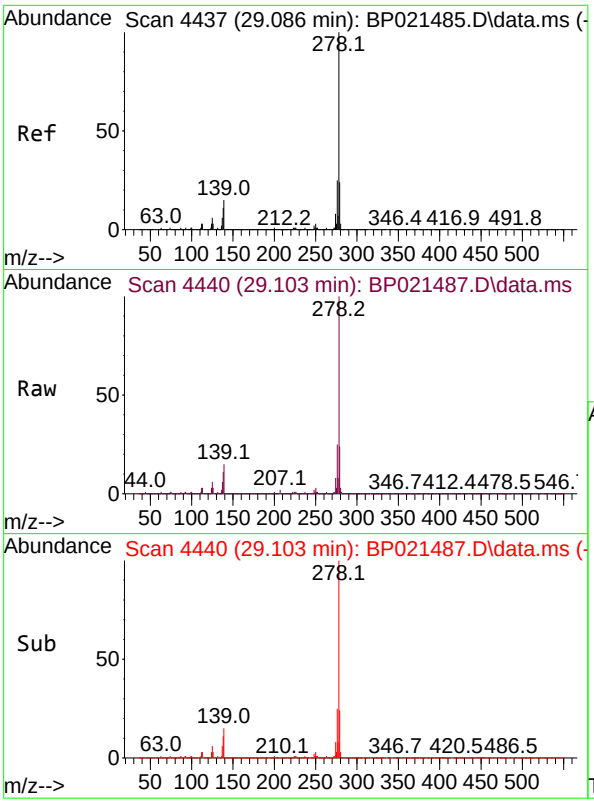


#90
Benzo(a)pyrene
Concen: 62.630 ng
RT: 24.974 min Scan# 3738
Delta R.T. 0.023 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 6839630

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	8.7	13.1

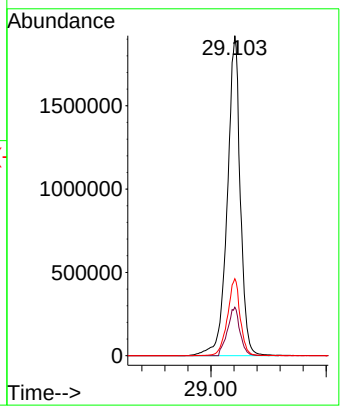




#91
Dibenzo(a,h)anthracene
Concen: 63.721 ng
RT: 29.103 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:278 Resp: 752000

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 08/14/2024
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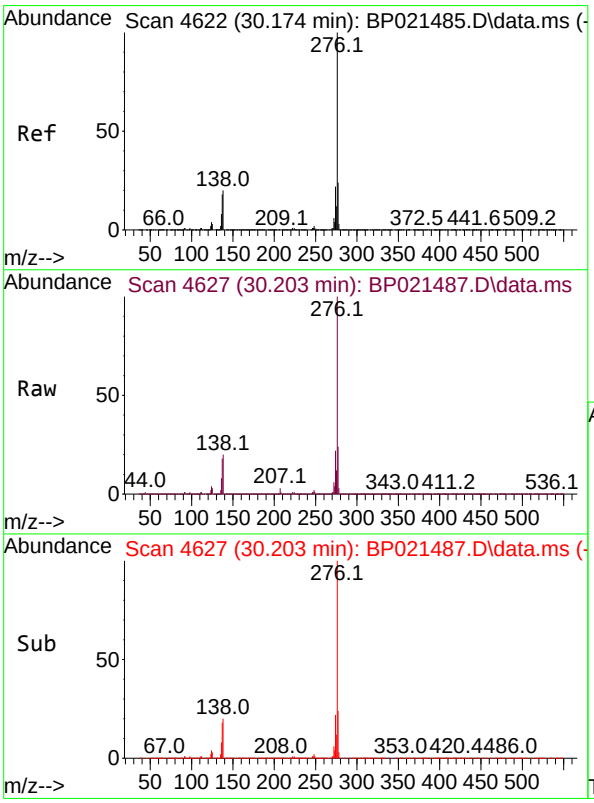
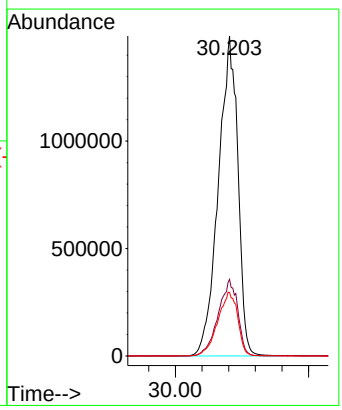


#92
Benzo(g,h,i)perylene
Concen: 63.940 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 7563028

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	19.8	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

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Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	405636	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1590621	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	991938	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	2007991	20.000	ng	-0.01
76) Chrysene-d12	21.698	240	1834396	20.000	ng	0.00
86) Perylene-d12	25.110	264	2148798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	4326213	158.364	ng	0.00
7) Phenol-d6	6.969	99	6182538	155.142	ng	0.00
23) Nitrobenzene-d5	8.957	82	5476064	177.696	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1902622	172.341	ng	-0.02
45) 2-Fluorobiphenyl	13.063	172	9945684	153.020	ng	0.00
79) Terphenyl-d14	19.969	244	13720759	145.311	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	981936	75.807	ng	99
3) Pyridine	3.705	79	2799665m	77.425	ng	
4) n-Nitrosodimethylamine	3.617	42	842879	77.551	ng	100
6) Aniline	7.140	93	2987211	74.981	ng	99
8) 2-Chlorophenol	7.375	128	1999068	79.186	ng	100
10) Phenol	6.993	94	3198266	77.502	ng	98
11) bis(2-Chloroethyl)ether	7.234	93	2653675	75.997	ng	98
12) 1,3-Dichlorobenzene	7.699	146	2278631	75.987	ng	99
13) 1,4-Dichlorobenzene	7.840	146	2292726	75.717	ng	99
14) 1,2-Dichlorobenzene	8.158	146	2200854	75.423	ng	100
15) Benzyl Alcohol	8.040	79	2214742	77.457	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	2391178	74.359	ng	99
17) 2-Methylphenol	8.234	107	1995331	76.484	ng	100
18) Hexachloroethane	8.887	117	957451	78.852	ng	98
19) n-Nitroso-di-n-propyla...	8.610	70	1923242	69.865	ng	99
20) 3+4-Methylphenols	8.563	107	2709790	77.033	ng	99
22) Acetophenone	8.622	105	3753281	76.808	ng	99
24) Nitrobenzene	8.999	77	2888411	86.298	ng	97
25) Isophorone	9.522	82	5496234	75.494	ng	100
27) 2,4-Dimethylphenol	9.763	122	1443721	80.354	ng	99
28) bis(2-Chloroethoxy)met...	10.004	93	3455210	77.749	ng	99
29) 2,4-Dichlorophenol	10.240	162	1832311	86.313	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	2181467	80.153	ng	99
31) Naphthalene	10.646	128	6530682	78.593	ng	99
32) Benzoic acid	9.922	122	1191515	79.618	ng	99
33) 4-Chloroaniline	10.746	127	2421138	77.568	ng	99
34) Hexachlorobutadiene	10.946	225	1379696	80.513	ng	97
35) Caprolactam	11.522	113	702638m	79.529	ng	
36) 4-Chloro-3-methylphenol	11.869	107	2368621	80.436	ng	98
37) 2-Methylnaphthalene	12.257	142	4347439	76.659	ng	100
38) 1-Methylnaphthalene	12.481	142	4237982	75.769	ng	99
40) 1,2,4,5-Tetrachloroben...	12.628	216	2395337	82.416	ng	100
41) Hexachlorocyclopentadiene	12.616	237	847184	91.971	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	1454749	90.107	ng	100
44) 2,4,5-Trichlorophenol	12.928	196	1603816	89.412	ng	97
46) 1,1'-Biphenyl	13.275	154	5498161	78.343	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.310	162	4315309	78.980	ng		99
48) 2-Nitroaniline	13.504	65	1301093	81.000	ng		93
49) Acenaphthylene	14.169	152	6229370	77.556	ng		100
50) Dimethylphthalate	13.904	163	5104657	76.844	ng		99
51) 2,6-Dinitrotoluene	14.010	165	1121870	80.745	ng		97
52) Acenaphthene	14.510	154	4136001	78.480	ng		99
53) 3-Nitroaniline	14.340	138	1100154	80.567	ng	#	95
54) 2,4-Dinitrophenol	14.545	184	370353	79.528	ng		92
55) Dibenzofuran	14.851	168	6247950	77.067	ng		99
56) 4-Nitrophenol	14.640	139	885944	80.388	ng		97
57) 2,4-Dinitrotoluene	14.804	165	1449693	81.172	ng		96
58) Fluorene	15.510	166	4891299	73.441	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.075	232	1322486	86.863	ng		100
60) Diethylphthalate	15.292	149	5198353	76.268	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	2556419	74.256	ng		98
62) 4-Nitroaniline	15.522	138	1101954	79.329	ng		94
63) Azobenzene	15.804	77	6169252	73.633	ng		97
65) 4,6-Dinitro-2-methylph...	15.575	198	600088	79.442	ng		100
66) n-Nitrosodiphenylamine	15.722	169	4264380	79.247	ng		99
67) 4-Bromophenyl-phenylether	16.416	248	1731598	81.480	ng		98
68) Hexachlorobenzene	16.534	284	1994136	79.402	ng		99
69) Atrazine	16.698	200	1395641	75.542	ng		98
70) Pentachlorophenol	16.881	266	1256277	91.649	ng		100
71) Phenanthrene	17.286	178	7482235	77.481	ng		99
72) Anthracene	17.381	178	7350512	77.613	ng		100
73) Carbazole	17.651	167	7163944	78.491	ng		99
74) Di-n-butylphthalate	18.257	149	9044596	80.689	ng		100
75) Fluoranthene	19.369	202	9185836	77.525	ng		99
77) Benzidine	19.557	184	3000610	82.290	ng		99
78) Pyrene	19.745	202	9406096	78.450	ng		99
80) Butylbenzylphthalate	20.704	149	3806046	80.964	ng		98
81) Benzo(a)anthracene	21.680	228	9116699	79.168	ng		98
82) 3,3'-Dichlorobenzidine	21.598	252	3092890	83.768	ng		100
83) Chrysene	21.751	228	8577622	78.894	ng		98
84) Bis(2-ethylhexyl)phtha...	21.639	149	6062099	89.068	ng		100
85) Di-n-octyl phthalate	22.957	149	10099312	80.797	ng		99
87) Indeno(1,2,3-cd)pyrene	29.009	276	11599453m	83.285	ng		
88) Benzo(b)fluoranthene	24.045	252	9994213	80.984	ng		100
89) Benzo(k)fluoranthene	24.121	252	9544162	79.279	ng		99
90) Benzo(a)pyrene	24.962	252	8757562	81.773	ng		100
91) Dibenzo(a,h)anthracene	29.098	278	9530458	82.349	ng		100
92) Benzo(g,h,i)perylene	30.209	276	9695156	83.581	ng		100

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

ICAL Form

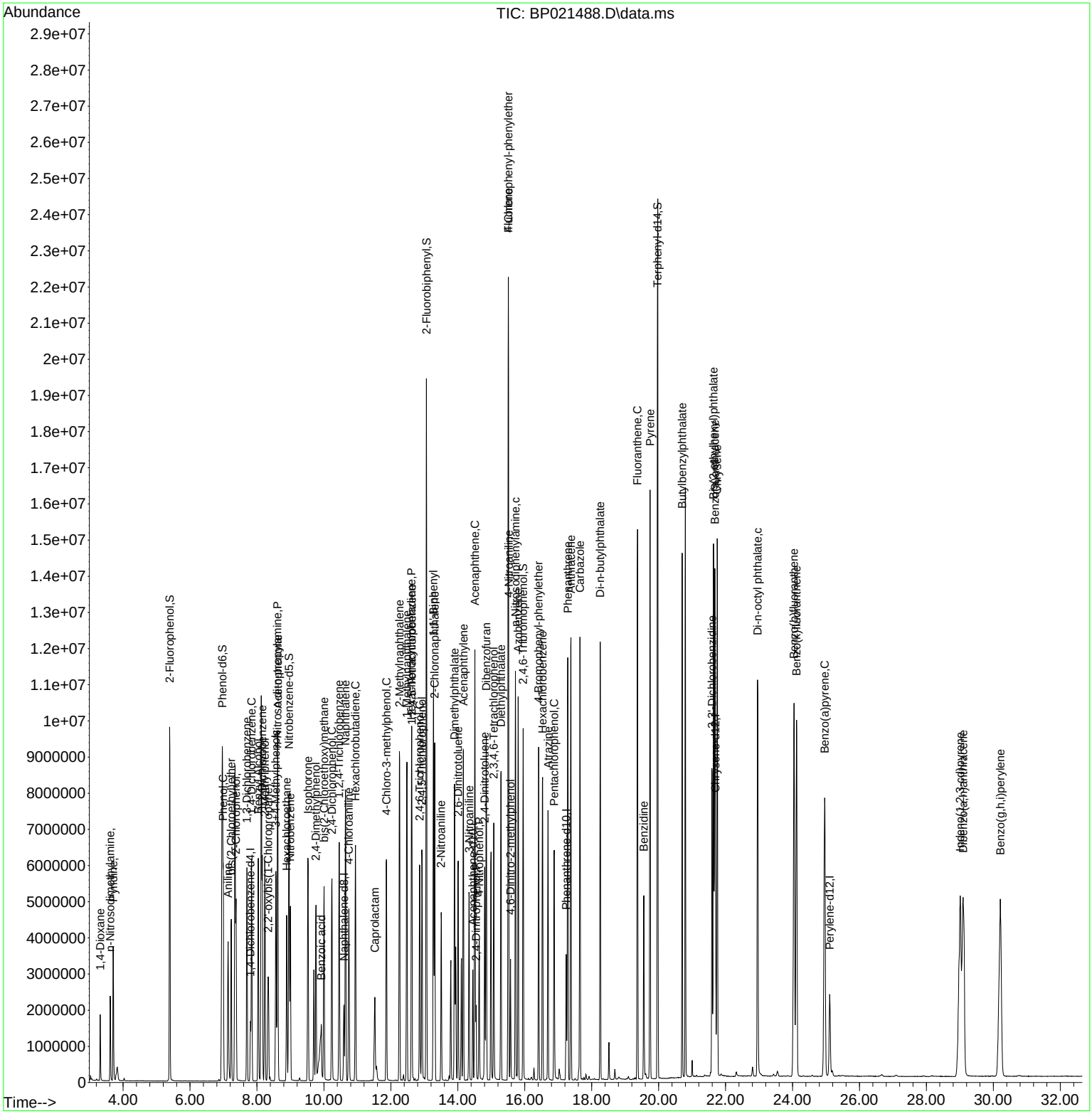
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

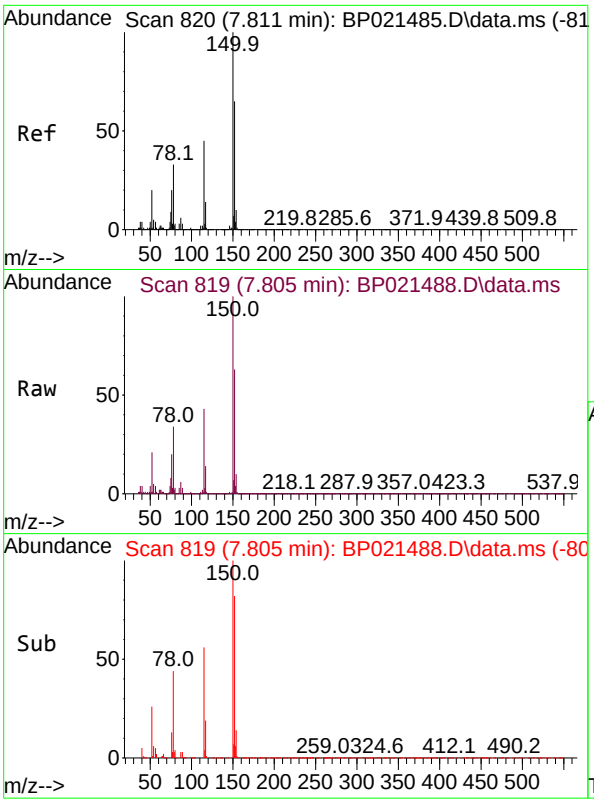
Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

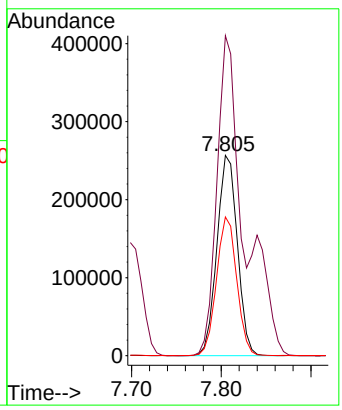




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 40563

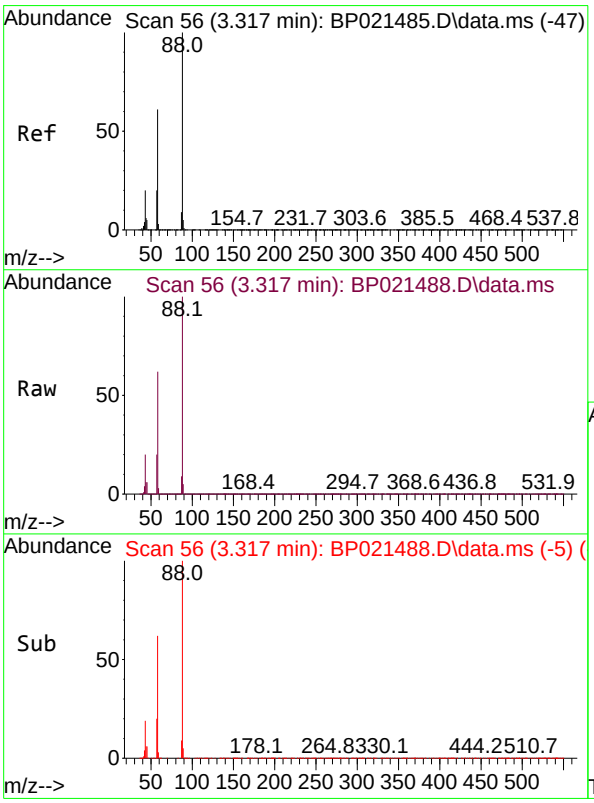
Ion	Ratio	Lower	Upper
152	100		
150	159.8	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

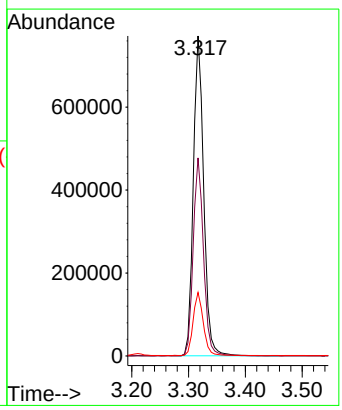
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

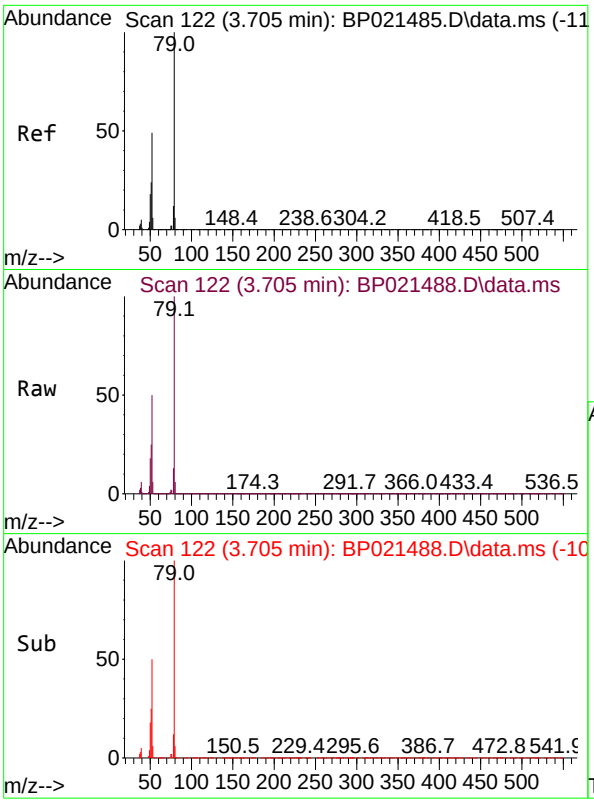


#2
1,4-Dioxane
Concen: 75.807 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 88 Resp: 981936

Ion	Ratio	Lower	Upper
88	100		
58	61.6	48.7	73.1
43	19.6	15.4	23.2

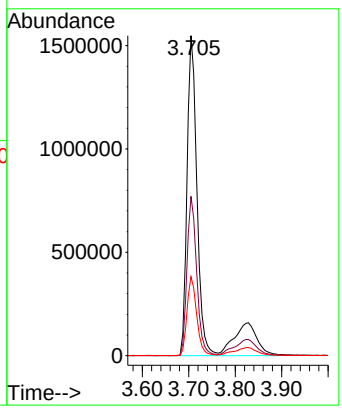




#3
Pyridine
Concen: 77.425 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 279966

Ion	Ratio	Lower	Upper
79	100		
52	49.8	39.0	58.6
51	24.7	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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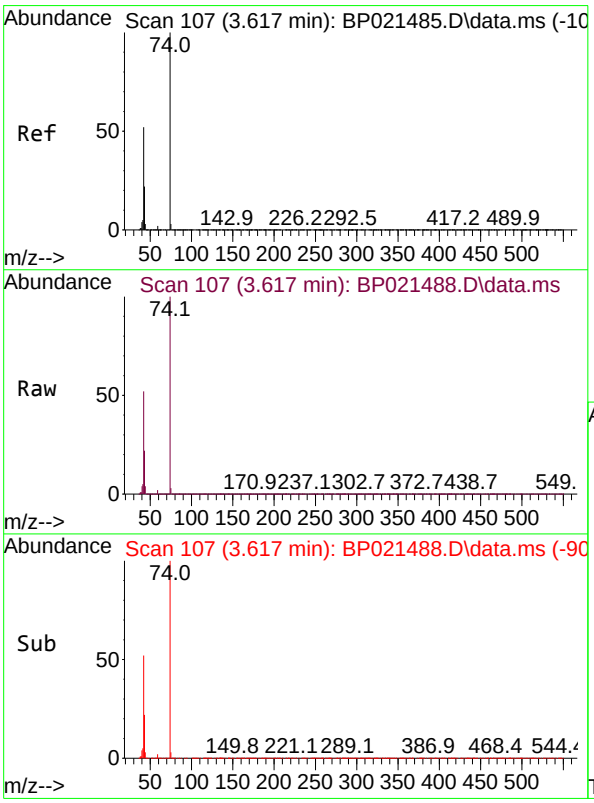
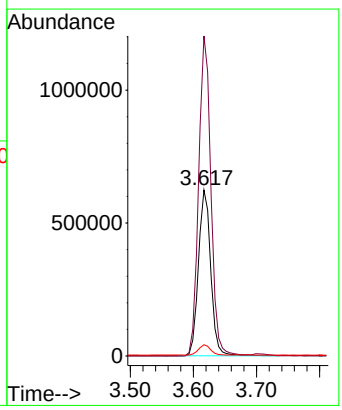
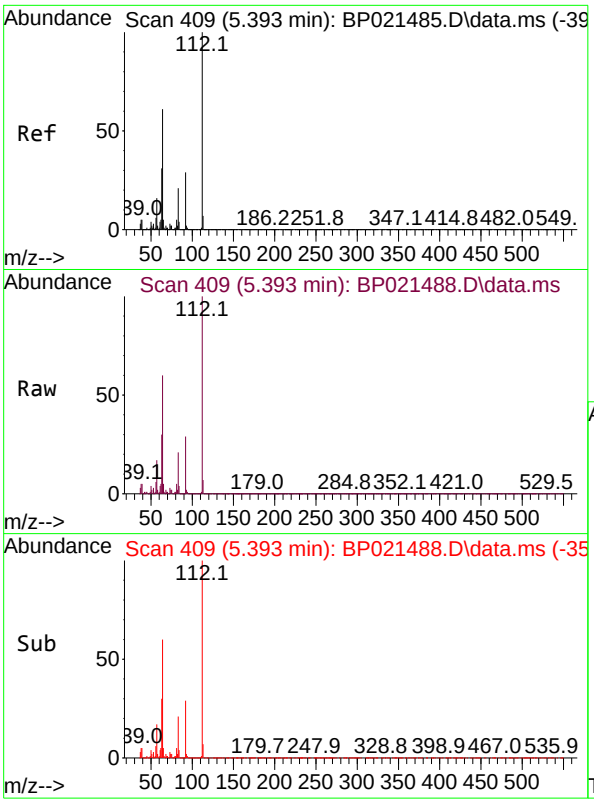


#4
n-Nitrosodimethylamine
Concen: 77.551 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 42 Resp: 842879

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	6.8	6.2	9.4

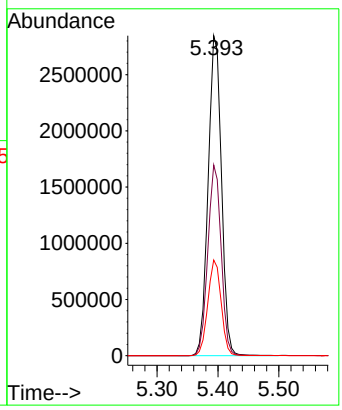




#5
2-Fluorophenol
Concen: 158.364 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:112 Resp: 432621

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
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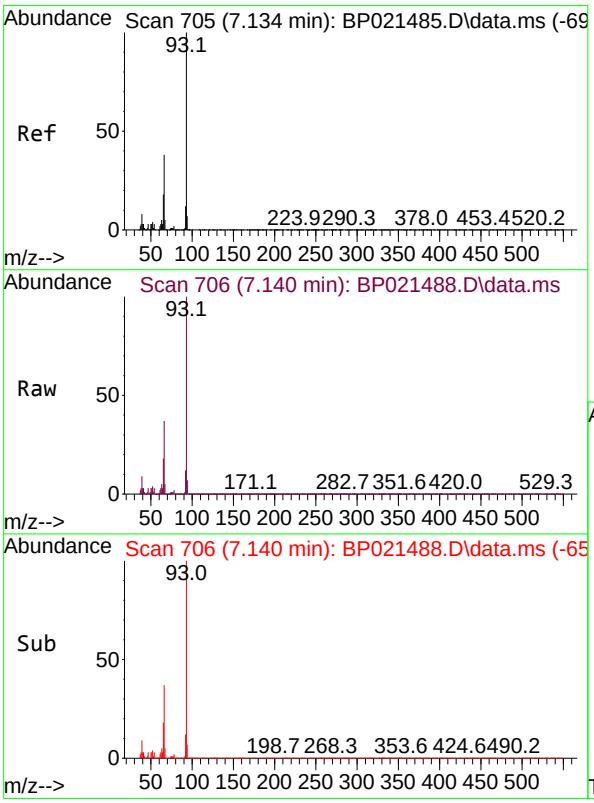
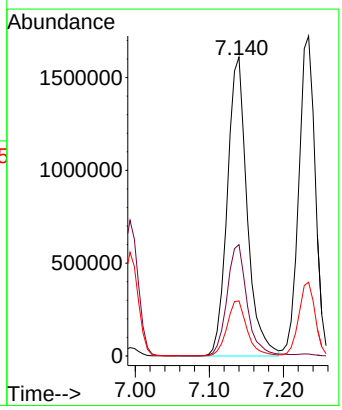
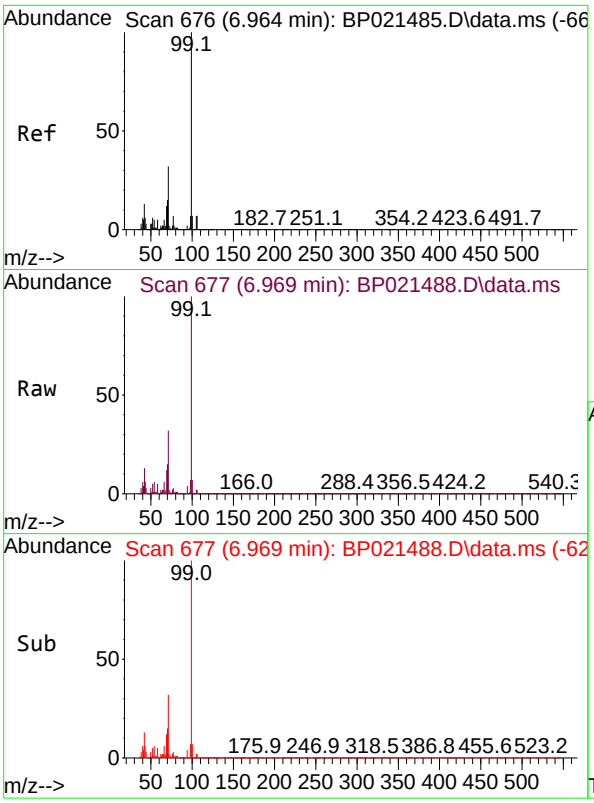


#6
Aniline
Concen: 74.981 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2987211

Ion	Ratio	Lower	Upper
93	100		
66	37.3	30.2	45.2
65	18.4	14.7	22.1

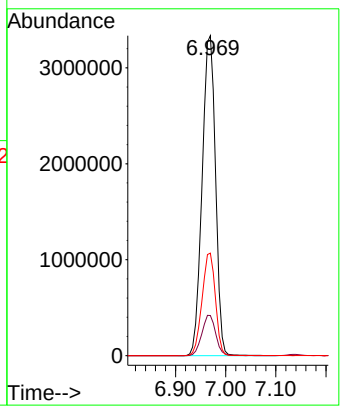




#7
Phenol-d6
Concen: 155.142 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 99 Resp: 618253

Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	32.1	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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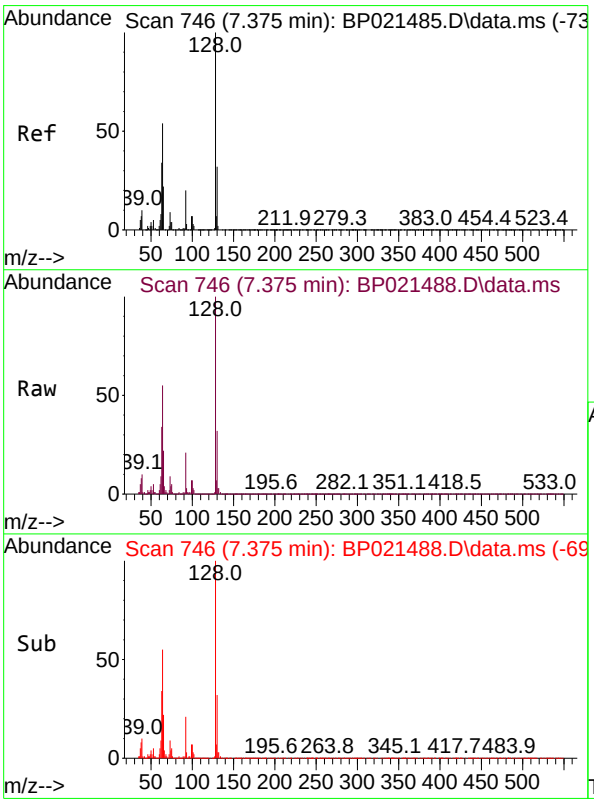
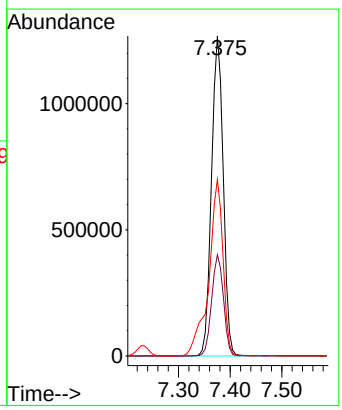
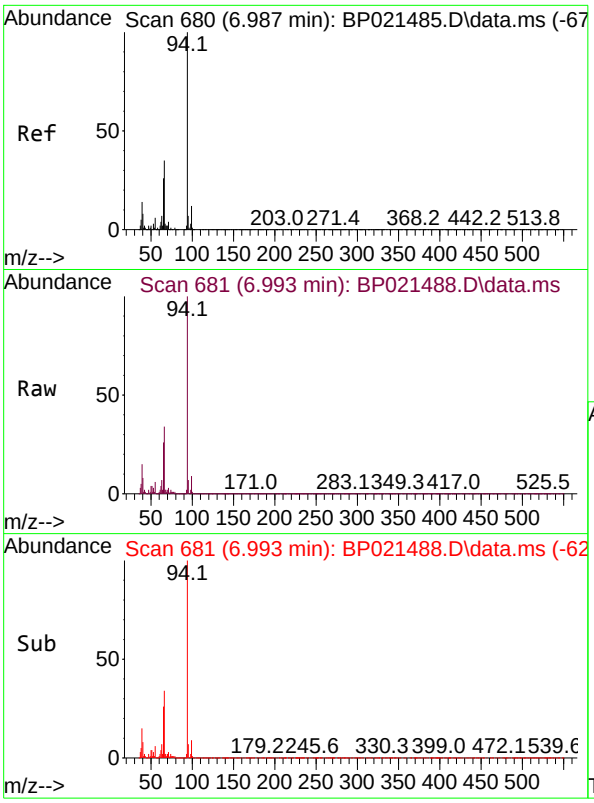


#8
2-Chlorophenol
Concen: 79.186 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:128 Resp: 1999068

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	55.2	35.3	75.3

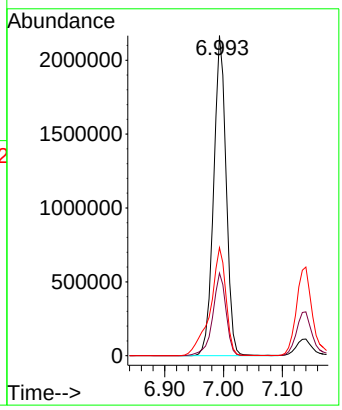




#10
Phenol
Concen: 77.502 ng
RT: 6.993 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 94 Resp: 319826

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.7	14.7	54.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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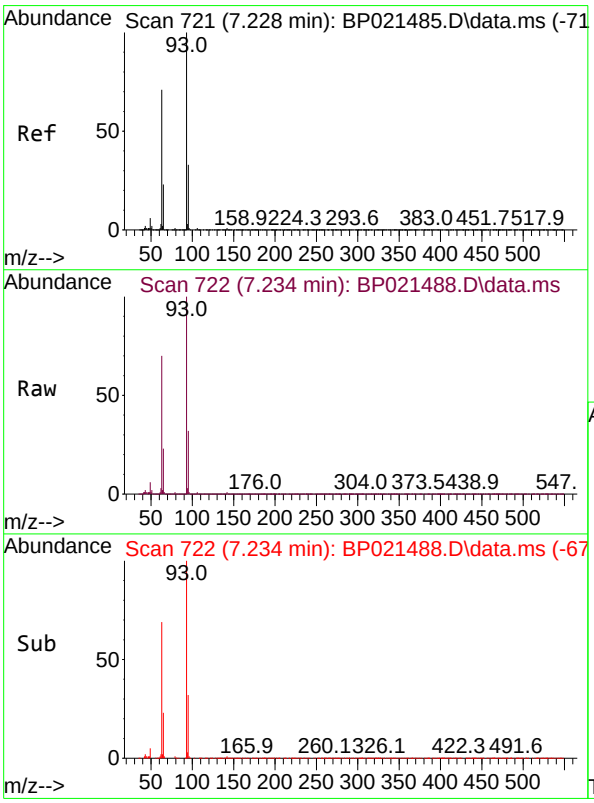
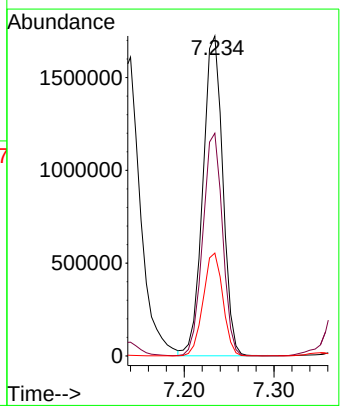
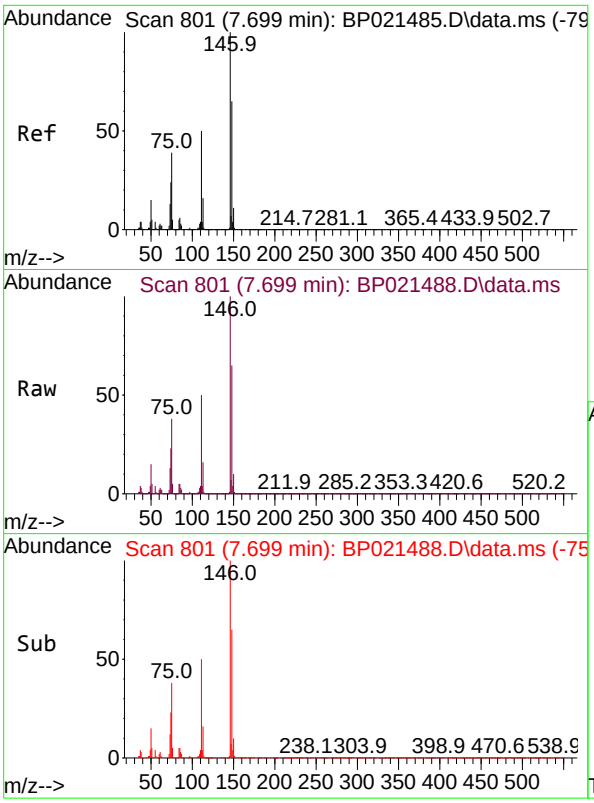


#11
bis(2-Chloroethyl)ether
Concen: 75.997 ng
RT: 7.234 min Scan# 722
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2653675

Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.2	12.9	52.9





#12
1,3-Dichlorobenzene
Concen: 75.987 ng
RT: 7.699 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 227863

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
75	38.2	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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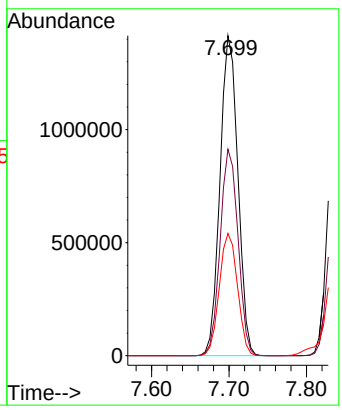
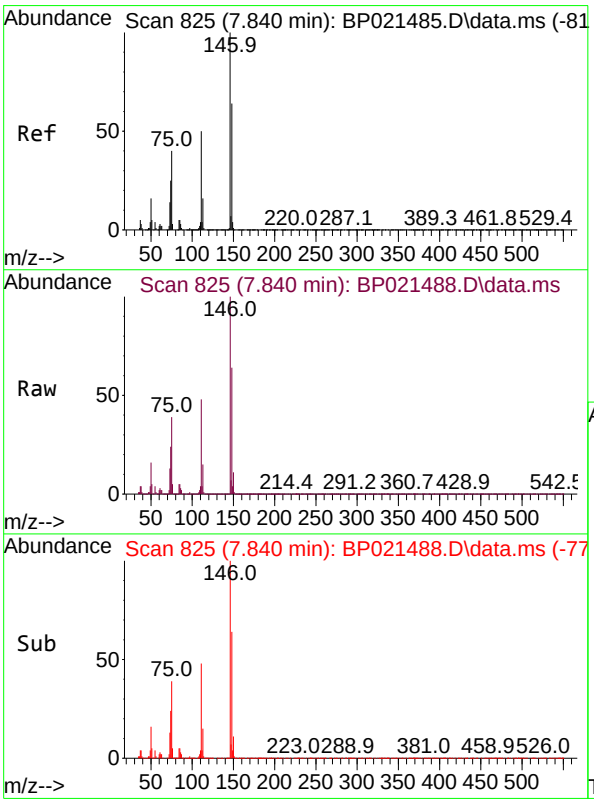
Supervised By :mohammad ahmed 08/14/2024

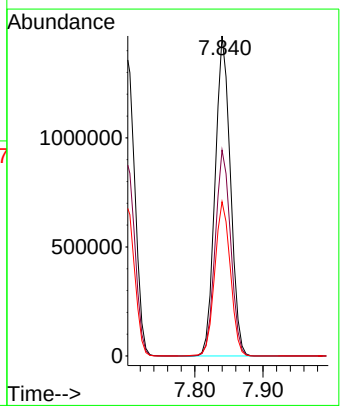


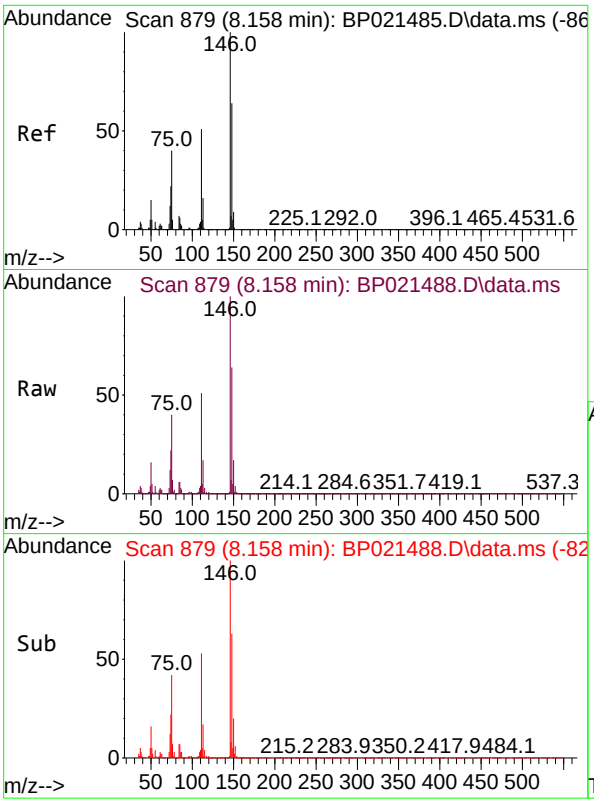


#13
1,4-Dichlorobenzene
Concen: 75.717 ng
RT: 7.840 min Scan# 825
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 2292726

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	48.2	40.3	60.5

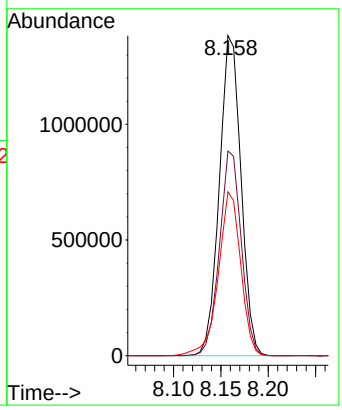




#14
1,2-Dichlorobenzene
Concen: 75.423 ng
RT: 8.158 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 220085

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	51.2	41.1	61.7



Instrument :
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ClientSampleId :
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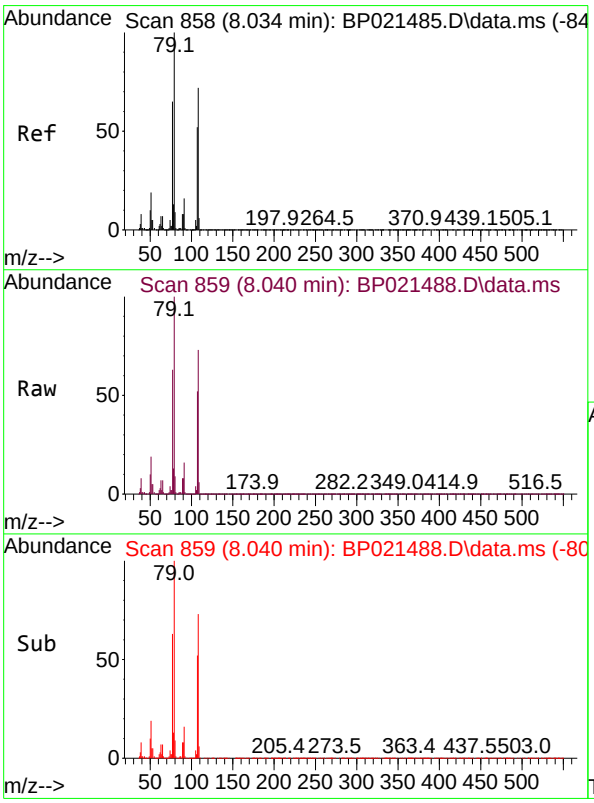
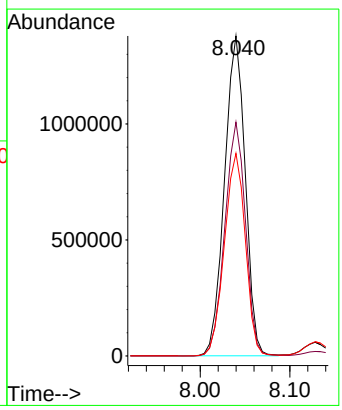
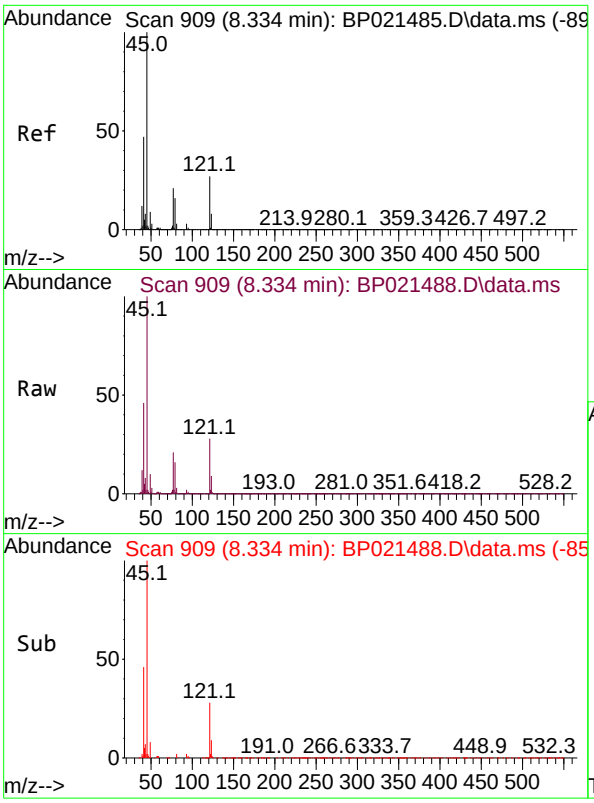


#15
Benzyl Alcohol
Concen: 77.457 ng
RT: 8.040 min Scan# 859
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 2214742

Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.9	86.9
77	63.3	51.8	77.8





#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.359 ng
RT: 8.334 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 239117

Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.2	0.0	36.6

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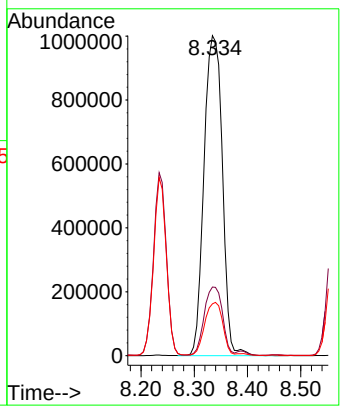
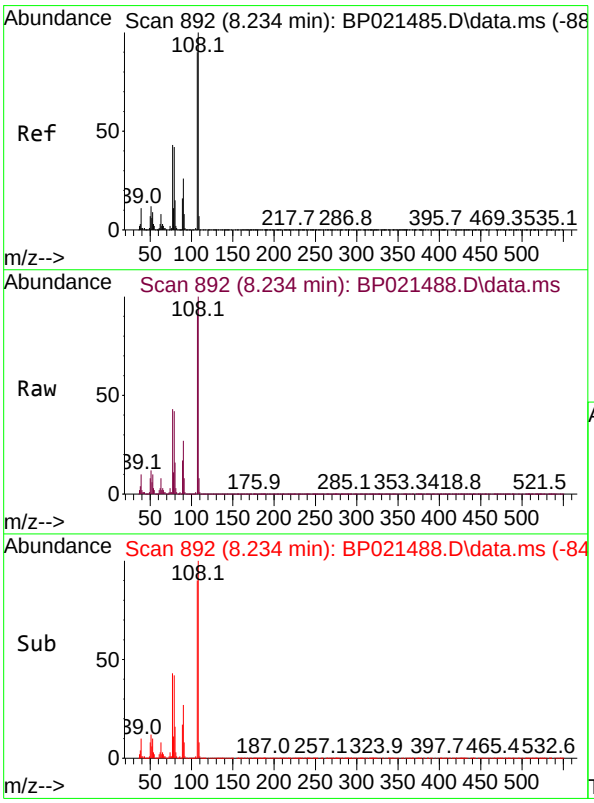
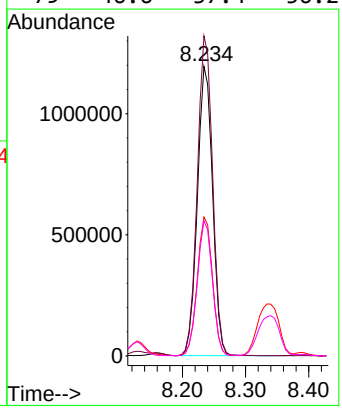


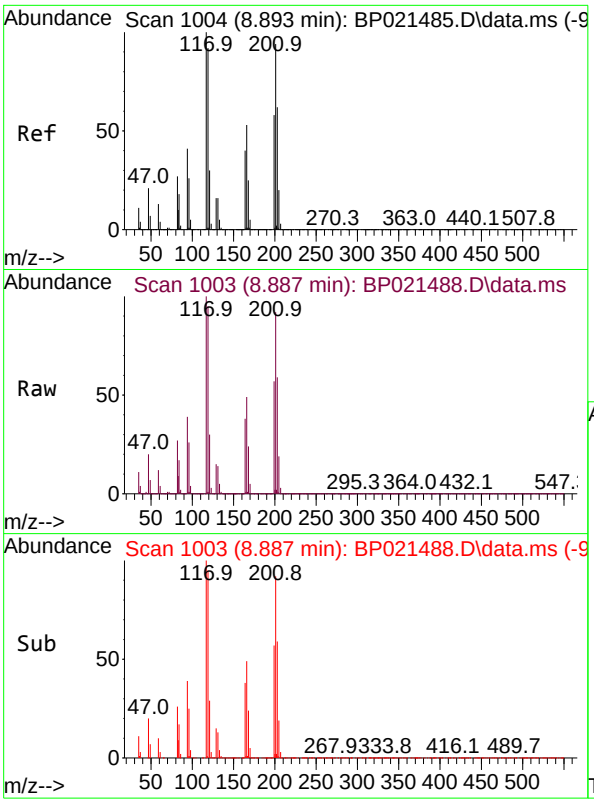


#17
2-Methylphenol
Concen: 76.484 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 1995331

Ion	Ratio	Lower	Upper
107	100		
108	110.5	88.8	133.2
77	47.9	38.7	58.1
79	46.6	37.4	56.2

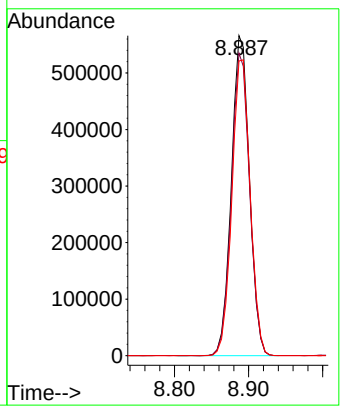




#18
Hexachloroethane
Concen: 78.852 ng
RT: 8.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:117 Resp: 95745

Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.9	110.9
201	92.1	74.9	112.3



Instrument :
BNA_P
ClientSampleId :
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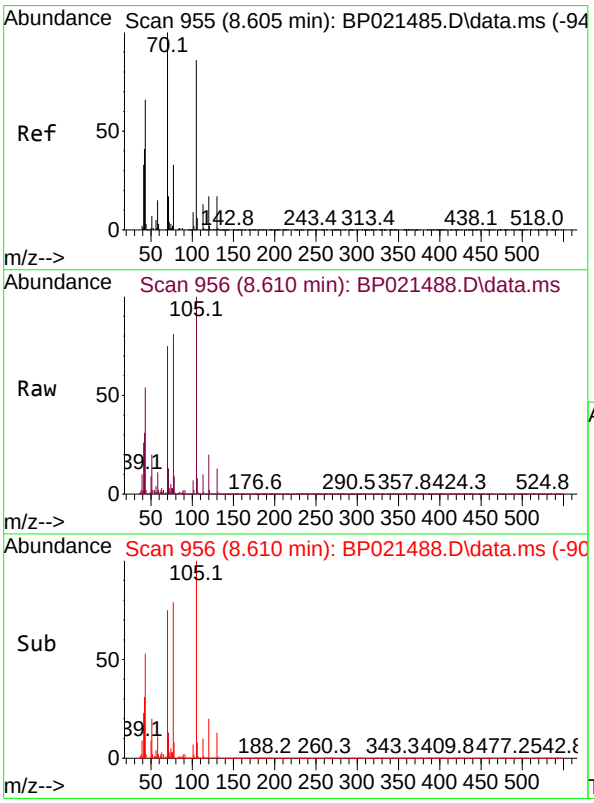
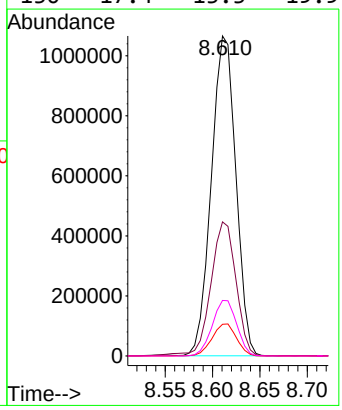
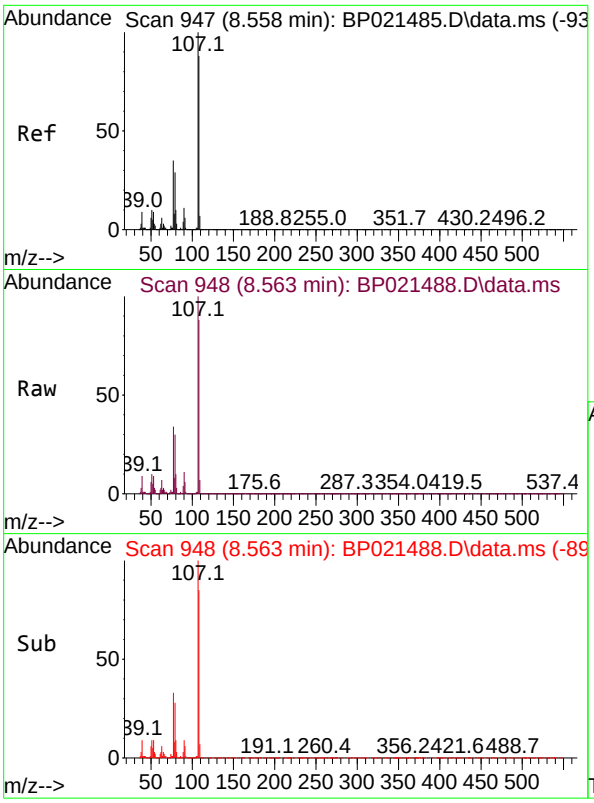


#19
n-Nitroso-di-n-propylamine
Concen: 69.865 ng
RT: 8.610 min Scan# 956
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 70 Resp: 1923242

Ion	Ratio	Lower	Upper
70	100		
42	41.9	33.1	49.7
101	9.9	7.4	11.2
130	17.4	13.3	19.9

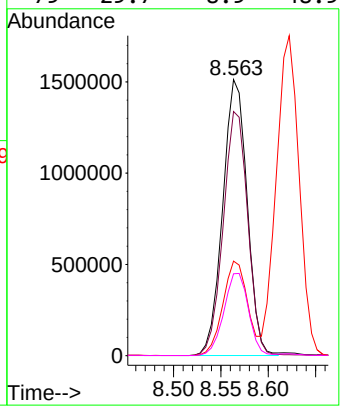




#20
3+4-Methylphenols
Concen: 77.033 ng
RT: 8.563 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 270979

Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.2	15.0	55.0
79	29.7	8.9	48.9



Instrument :
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ClientSampleId :
SSTDICC080

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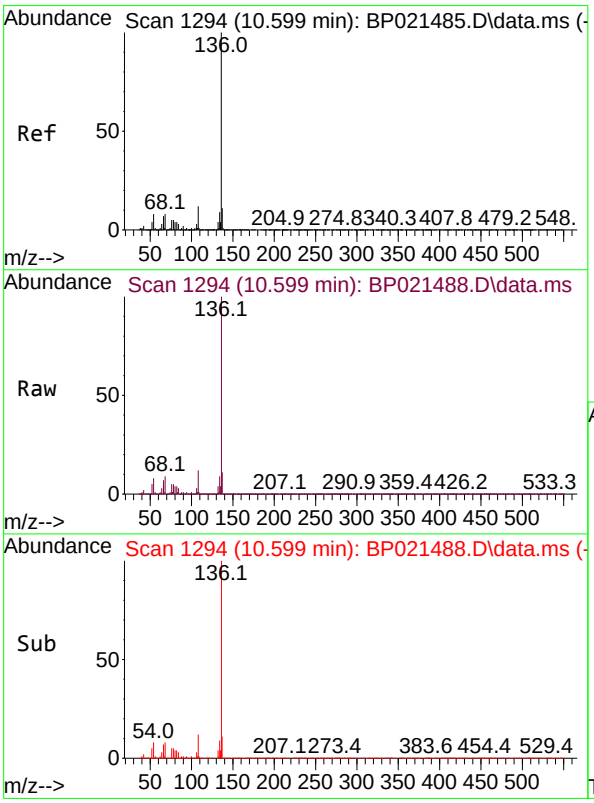
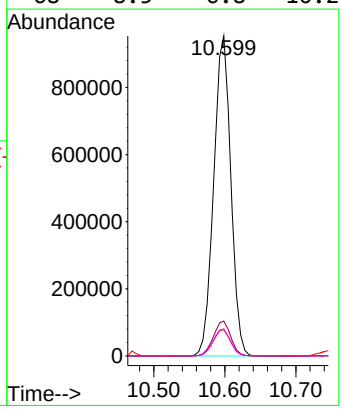
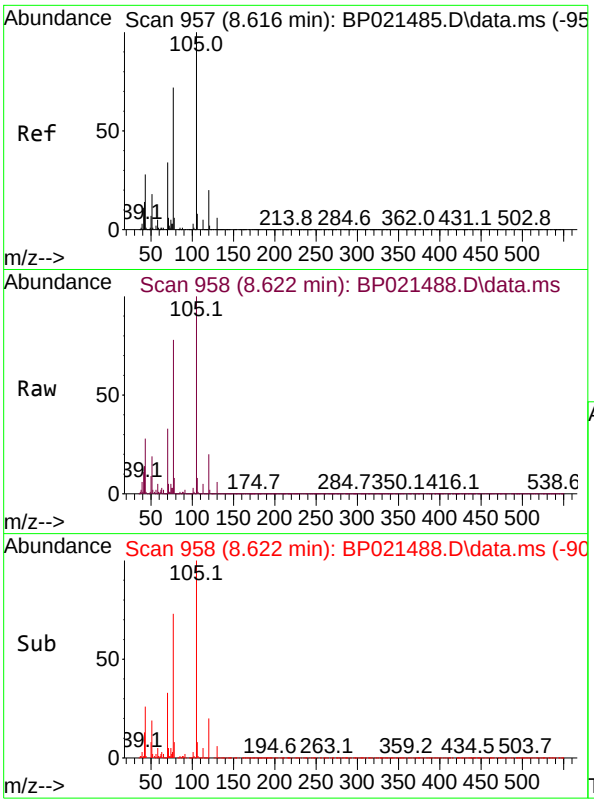


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:136 Resp: 1590621

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.2	6.3	9.5
68	8.5	6.8	10.2

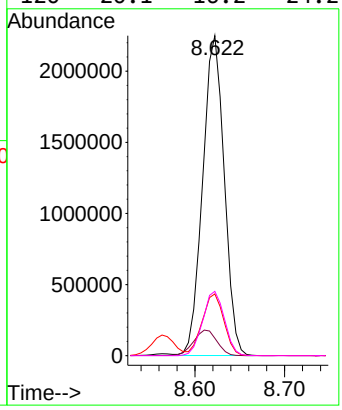




#22
Acetophenone
Concen: 76.808 ng
RT: 8.622 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:105 Resp: 375328

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.6	7.0
51	19.3	16.3	24.5
120	20.1	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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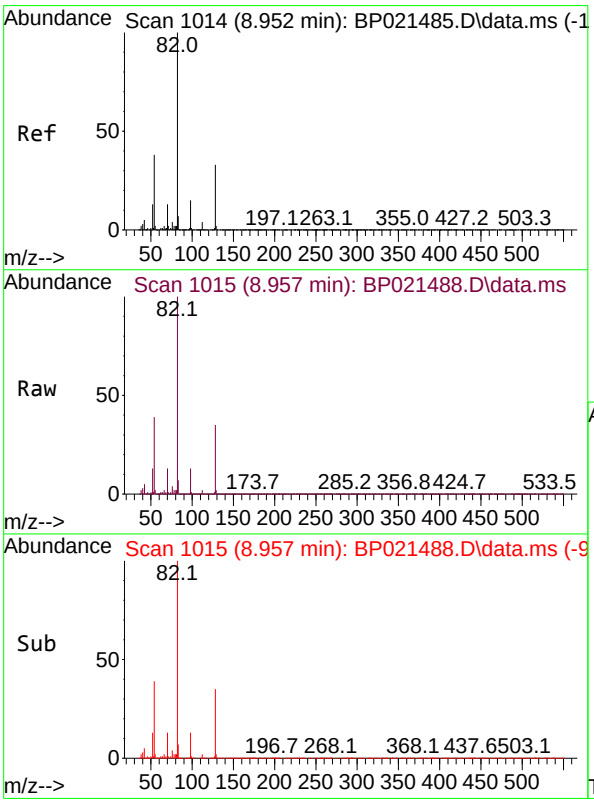
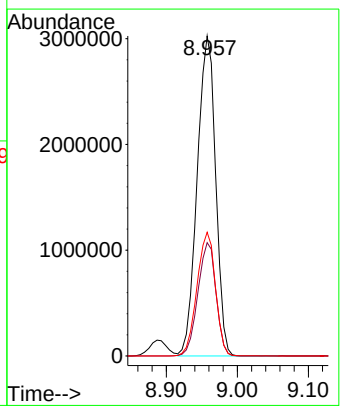
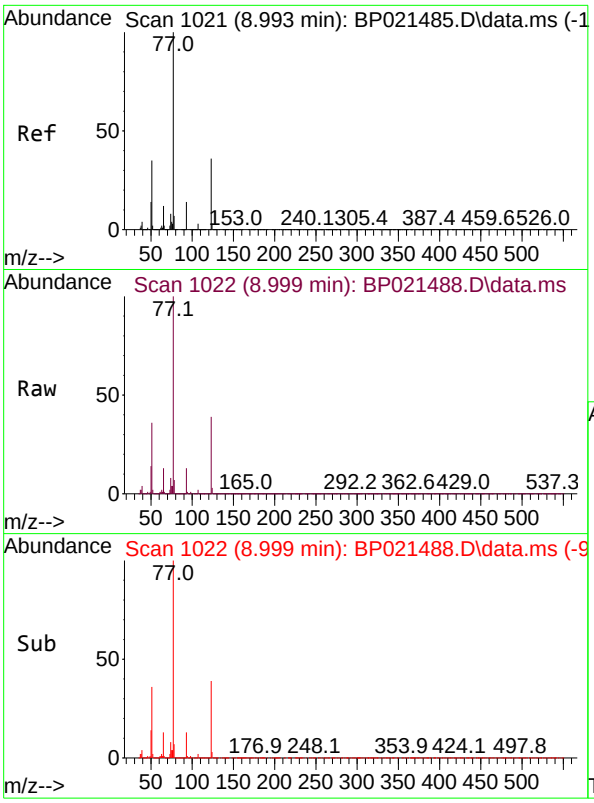


#23
Nitrobenzene-d5
Concen: 177.696 ng
RT: 8.957 min Scan# 1015
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5476064

Ion	Ratio	Lower	Upper
82	100		
128	35.4	26.5	39.7
54	38.7	30.3	45.5





#24
Nitrobenzene
Concen: 86.298 ng
RT: 8.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 77 Resp: 288841

Ion	Ratio	Lower	Upper
77	100		
123	39.1	29.5	44.3
65	12.7	9.9	14.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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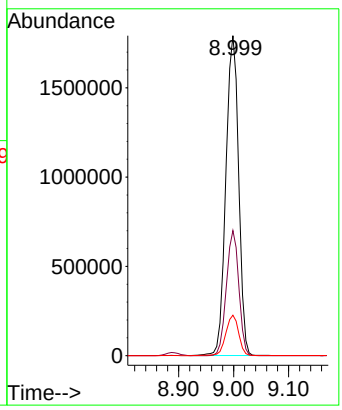
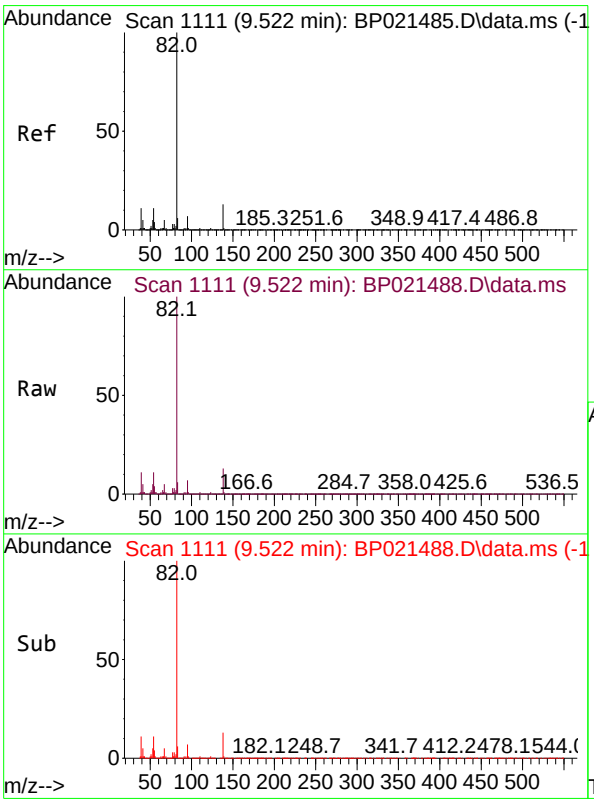
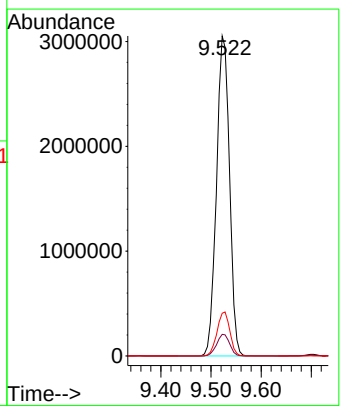


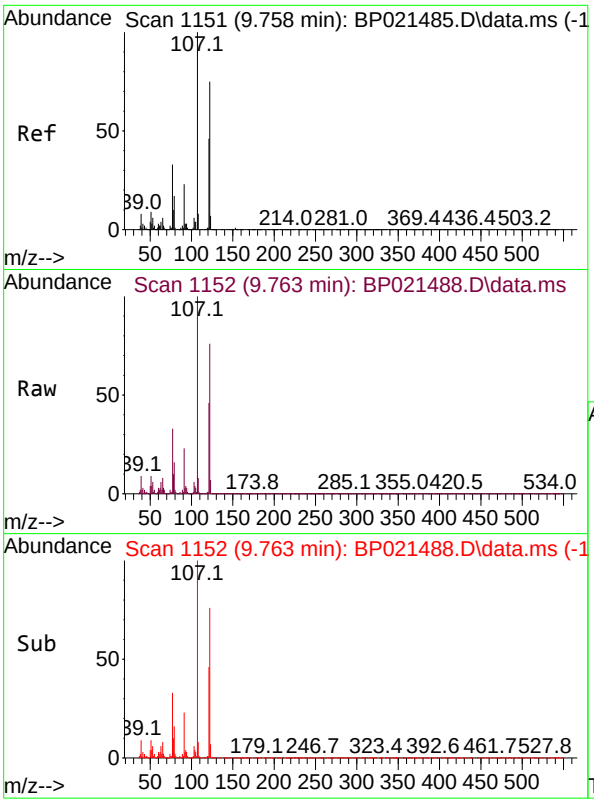


#25
Isophorone
Concen: 75.494 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5496234

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.3	10.6	16.0

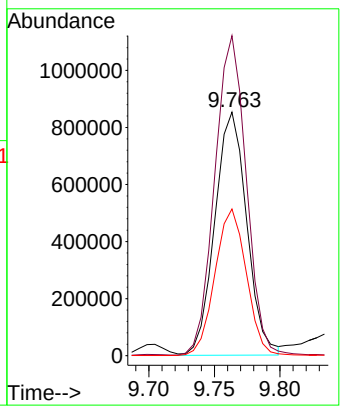




#27
2,4-Dimethylphenol
Concen: 80.354 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 144372

Ion	Ratio	Lower	Upper
122	100		
107	131.4	106.2	159.4
121	60.3	48.8	73.2



Instrument :
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ClientSampleId :
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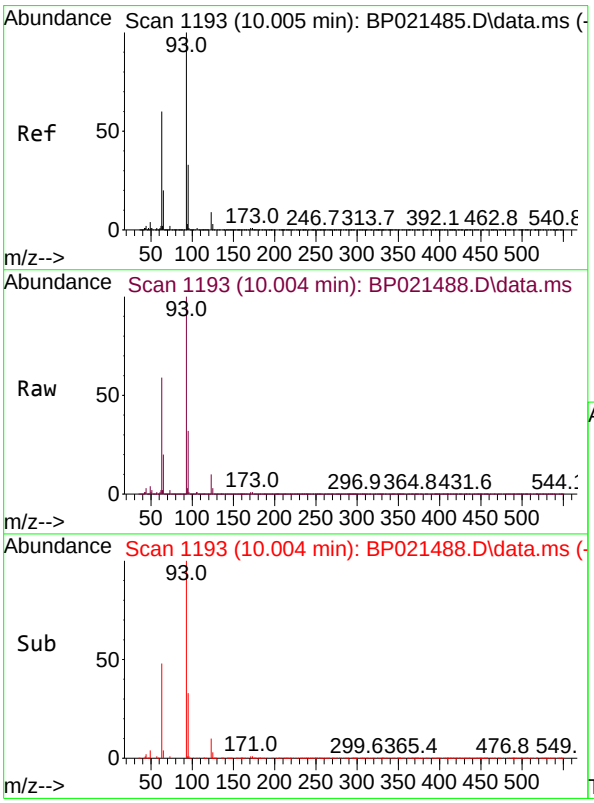
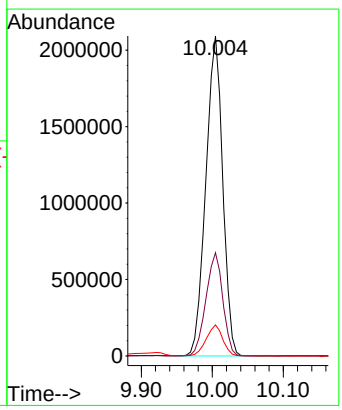
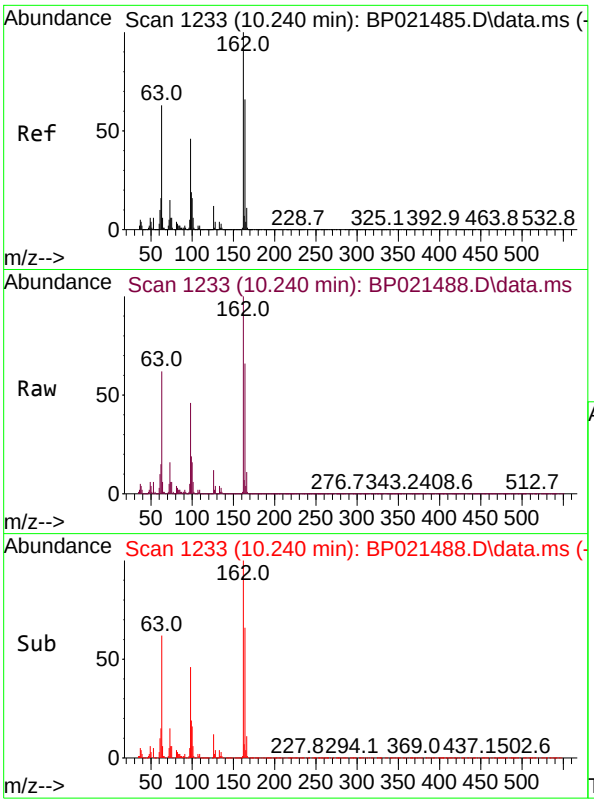


#28
bis(2-Chloroethoxy)methane
Concen: 77.749 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 3455210

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.7	7.6	11.4

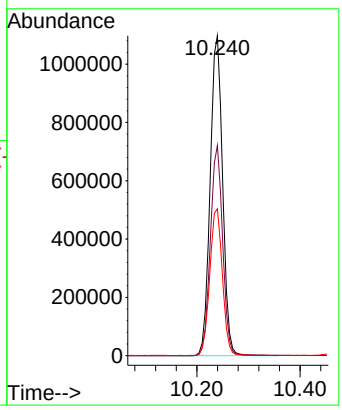




#29
2,4-Dichlorophenol
Concen: 86.313 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 183231

Ion	Ratio	Lower	Upper
162	100		
164	65.7	45.9	85.9
98	45.9	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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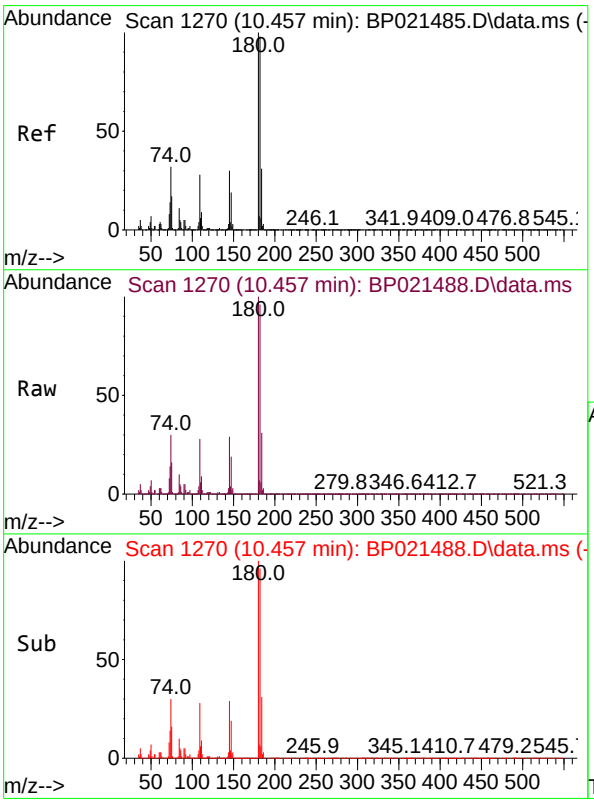
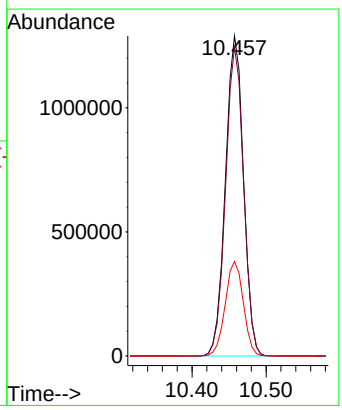
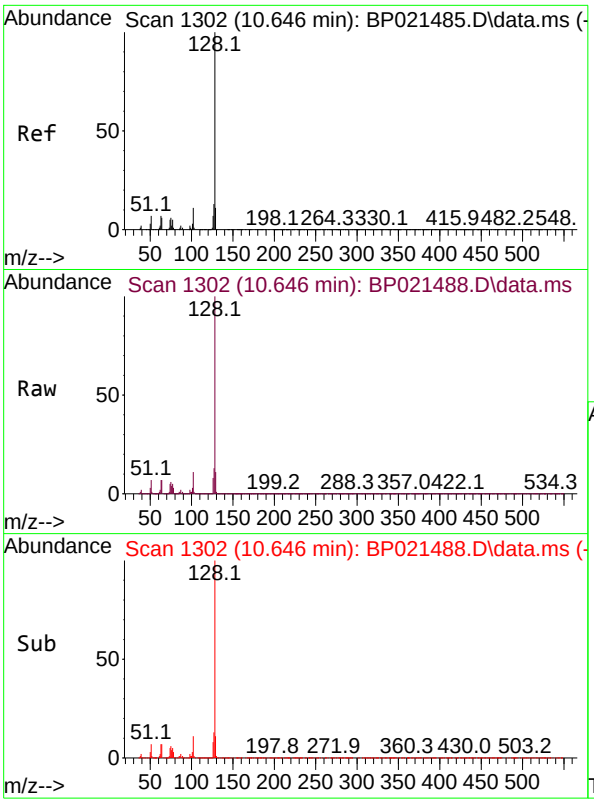


#30
1,2,4-Trichlorobenzene
Concen: 80.153 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:180 Resp: 2181467

Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.3	117.5
145	29.5	24.0	36.0





#31
Naphthalene
Concen: 78.593 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:128 Resp: 653068

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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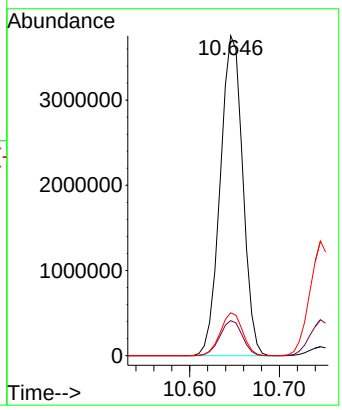
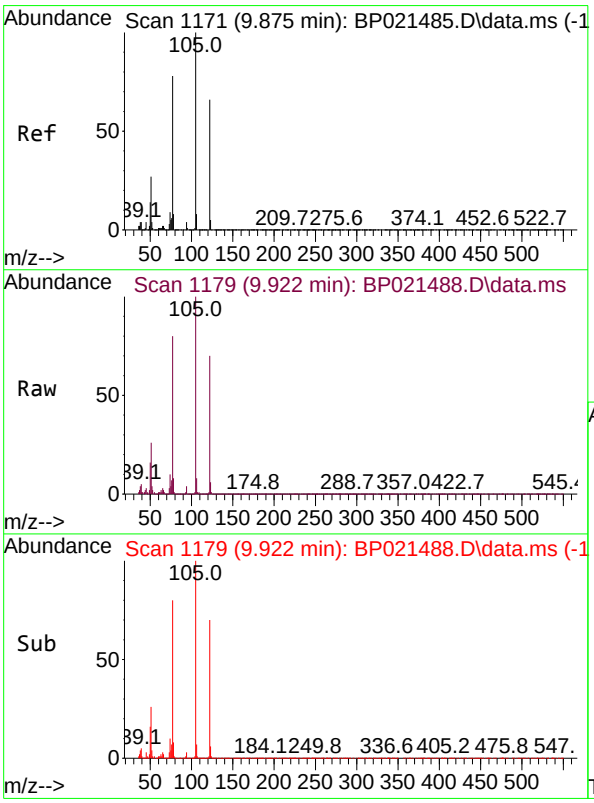
Supervised By :mohammad ahmed 08/14/2024

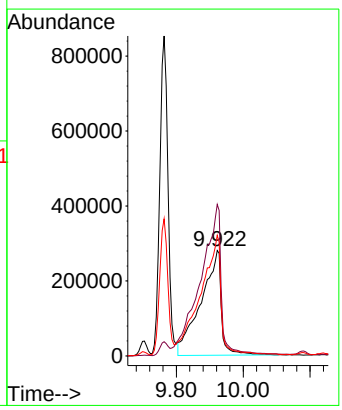


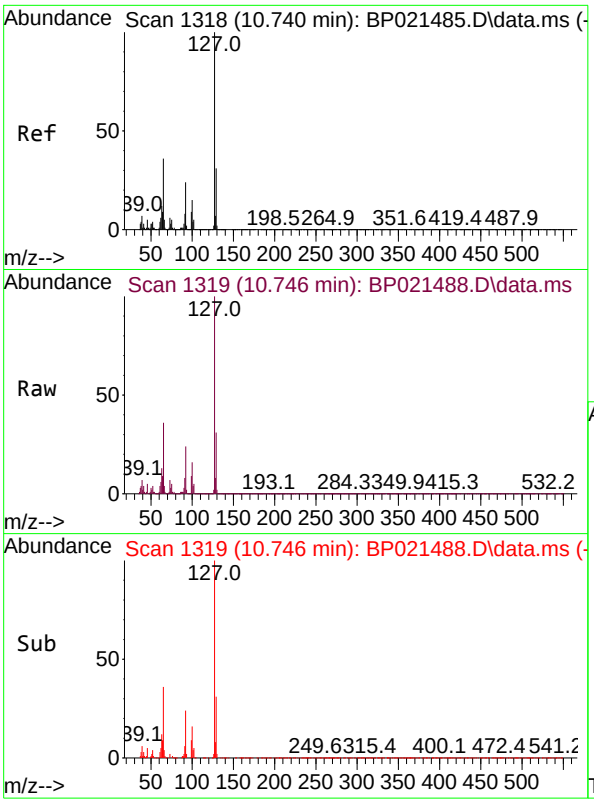


#32
Benzoic acid
Concen: 79.618 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.047 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 1191515

Ion	Ratio	Lower	Upper
122	100		
105	143.7	124.6	164.6
77	114.4	96.2	136.2

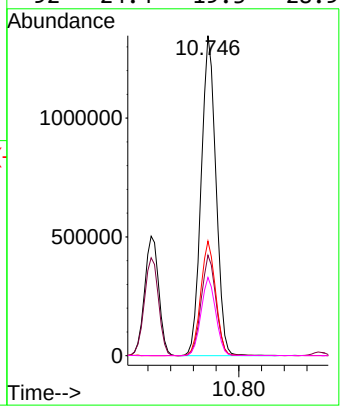




#33
4-Chloroaniline
Concen: 77.568 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:127 Resp: 242113

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.8	28.9	43.3
92	24.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
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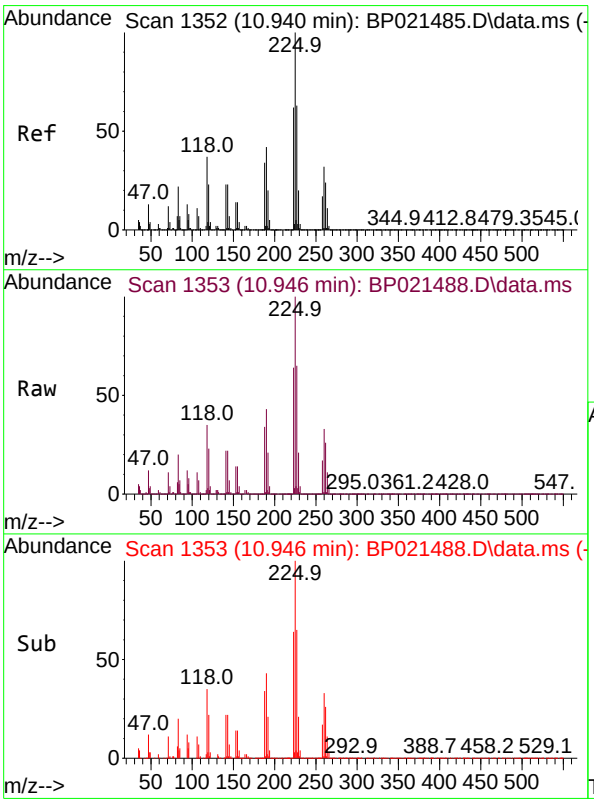
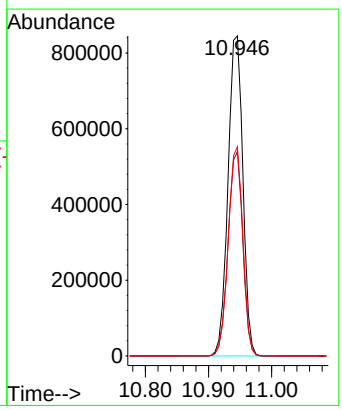
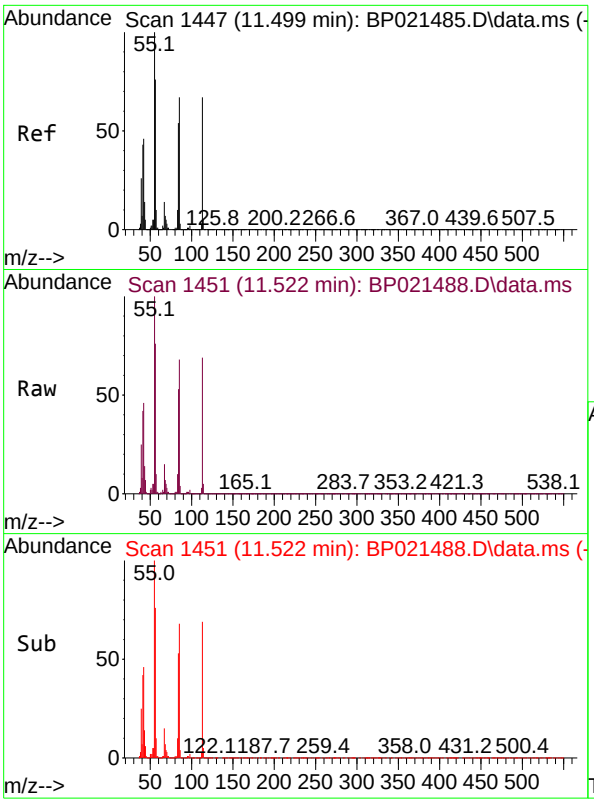


#34
Hexachlorobutadiene
Concen: 80.513 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:225 Resp: 1379696

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.6	74.4
227	65.3	50.1	75.1

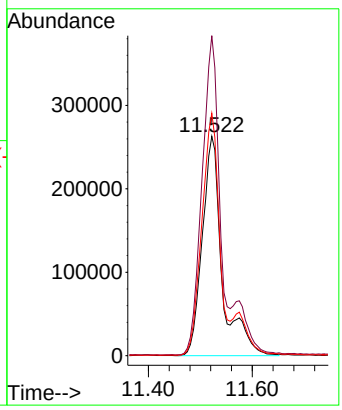




#35
Caprolactam
Concen: 79.529 ng m
RT: 11.522 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:113 Resp: 70263

Ion	Ratio	Lower	Upper
113	100		
55	145.9	130.6	170.6
56	110.6	94.6	134.6



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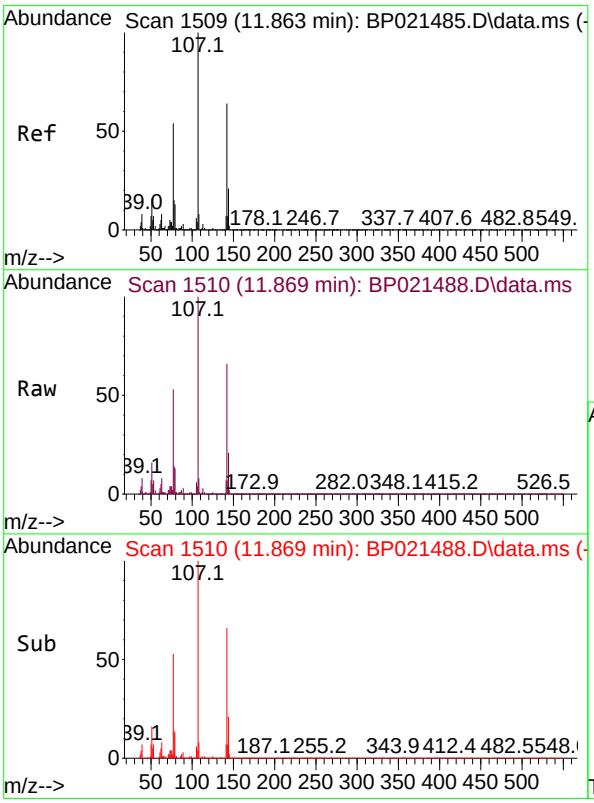
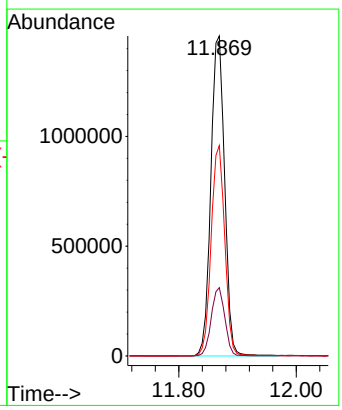
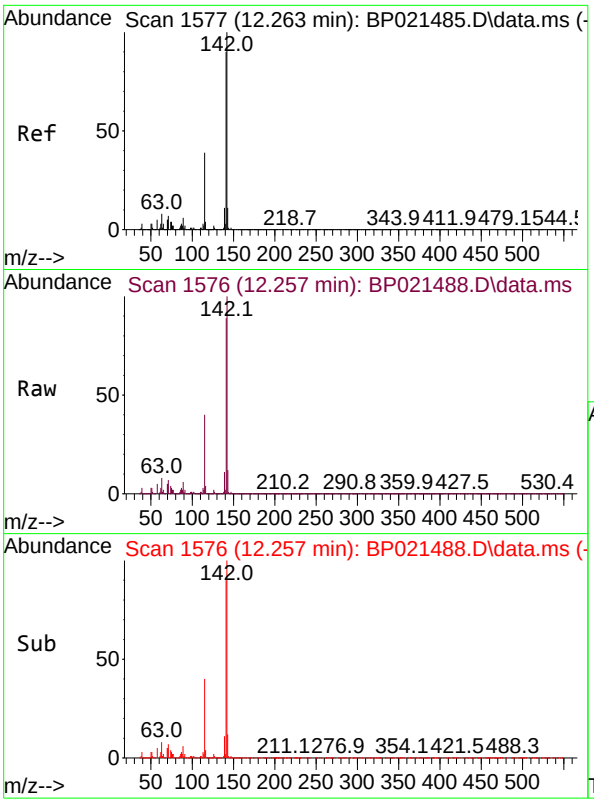


#36
4-Chloro-3-methylphenol
Concen: 80.436 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 2368621

Ion	Ratio	Lower	Upper
107	100		
144	21.4	16.6	24.8
142	65.8	51.0	76.4

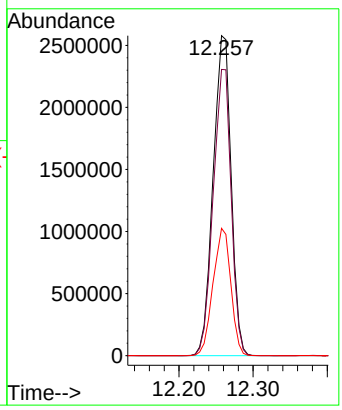




#37
2-Methylnaphthalene
Concen: 76.659 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 434743

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.7	107.5
115	39.8	31.4	47.2



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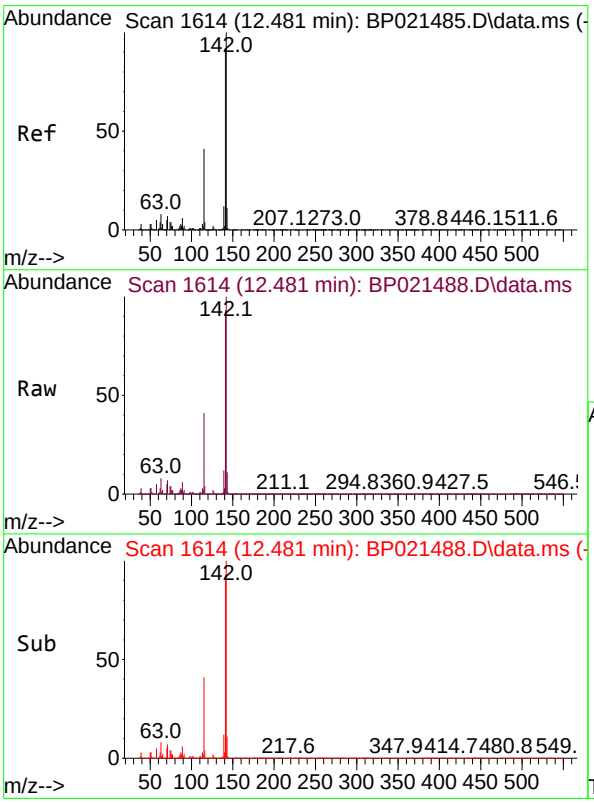
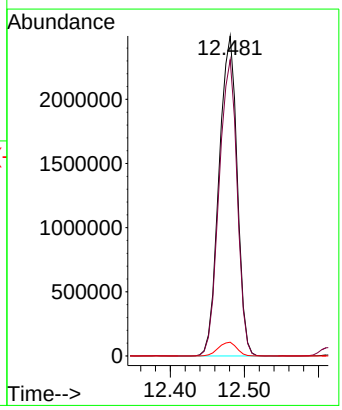
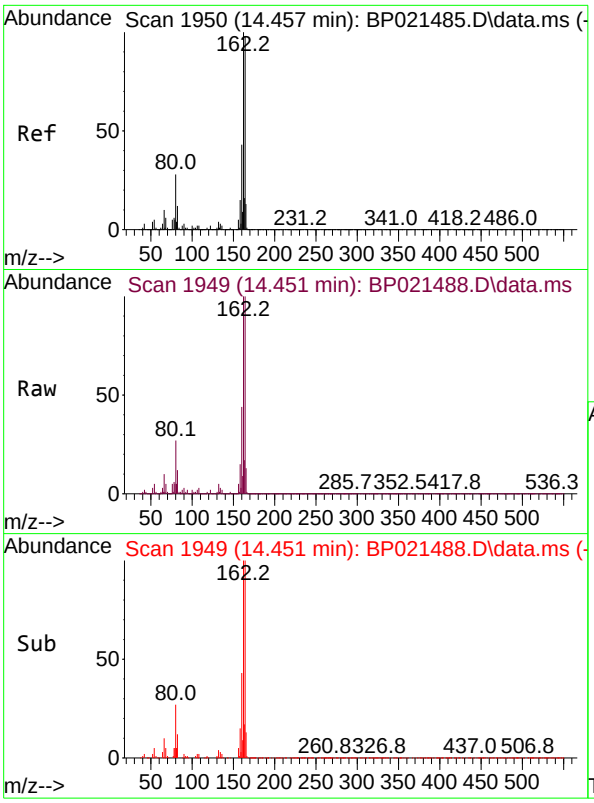


#38
1-Methylnaphthalene
Concen: 75.769 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 4237982

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.5	110.3
116	4.3	3.4	5.2

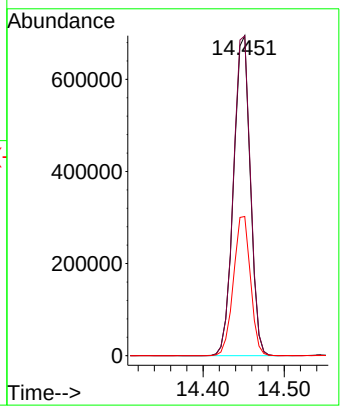




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:164 Resp: 99193

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	43.5	35.2	52.8



Instrument :
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ClientSampleId :
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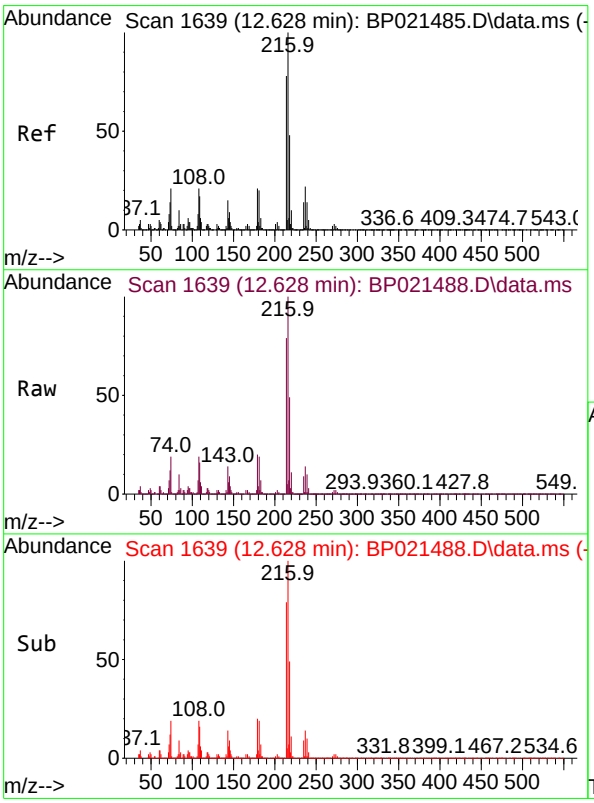
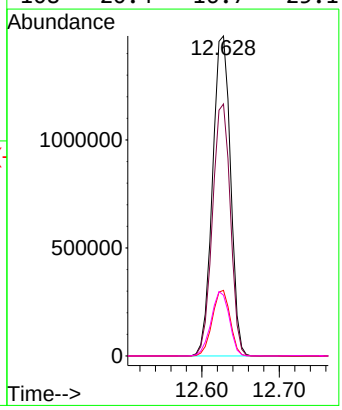
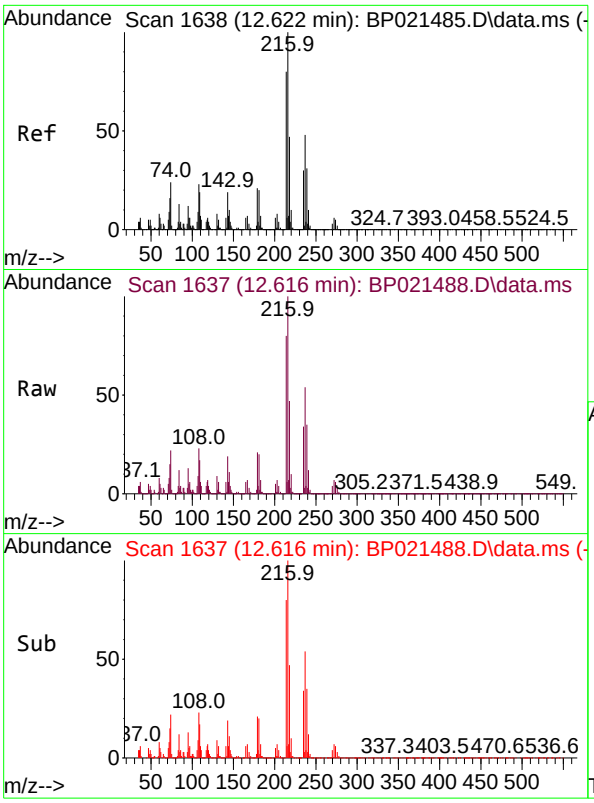


#40
1,2,4,5-Tetrachlorobenzene
Concen: 82.416 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:216 Resp: 2395337

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.5	93.7
179	20.3	16.4	24.6
108	20.4	16.7	25.1

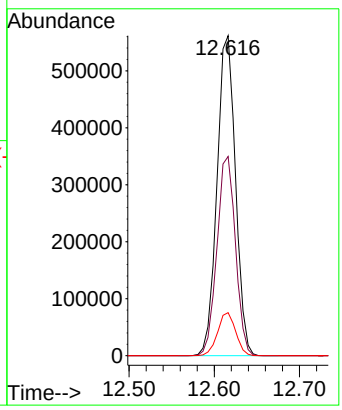




#41
Hexachlorocyclopentadiene
Concen: 91.971 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:237 Resp: 84718

Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.9	83.9
272	13.4	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
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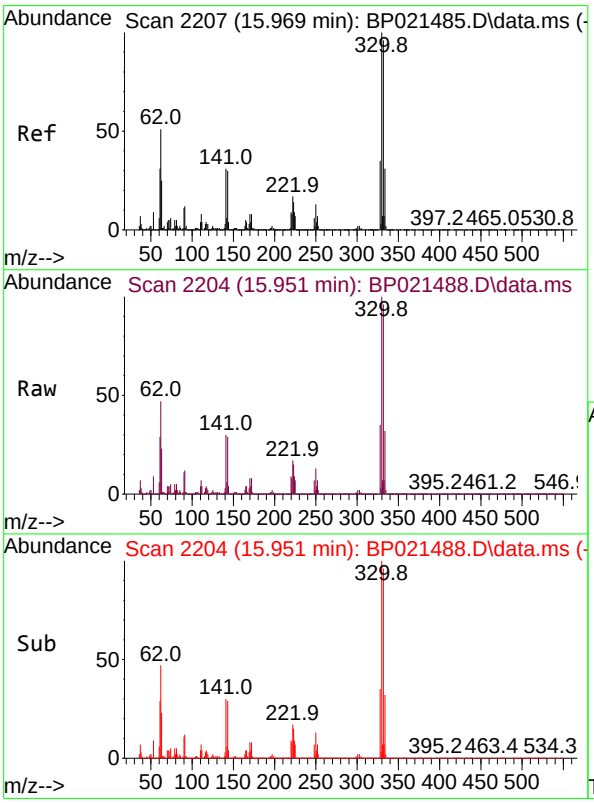
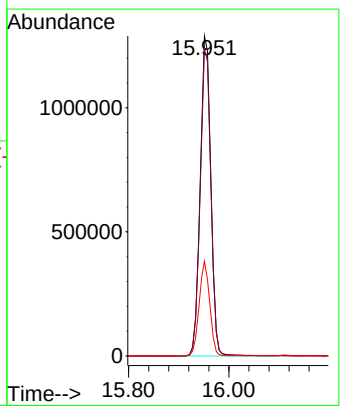
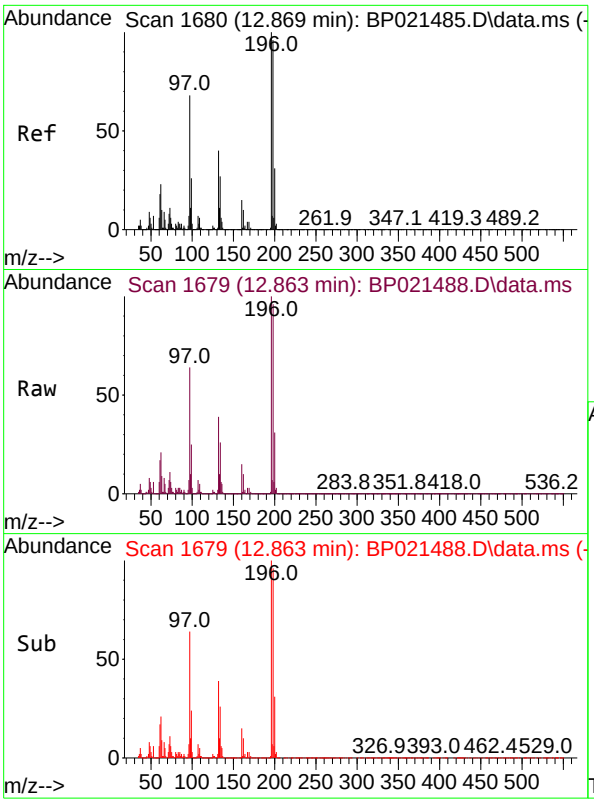


#42
2,4,6-Tribromophenol
Concen: 172.341 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:330 Resp: 1902622

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.3	24.5	36.7

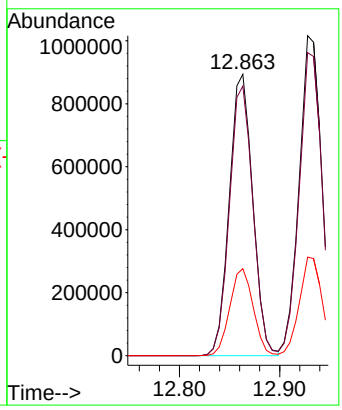




#43
2,4,6-Trichlorophenol
Concen: 90.107 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 145474

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	114.8
200	30.9	24.5	36.7



Instrument :
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ClientSampleId :
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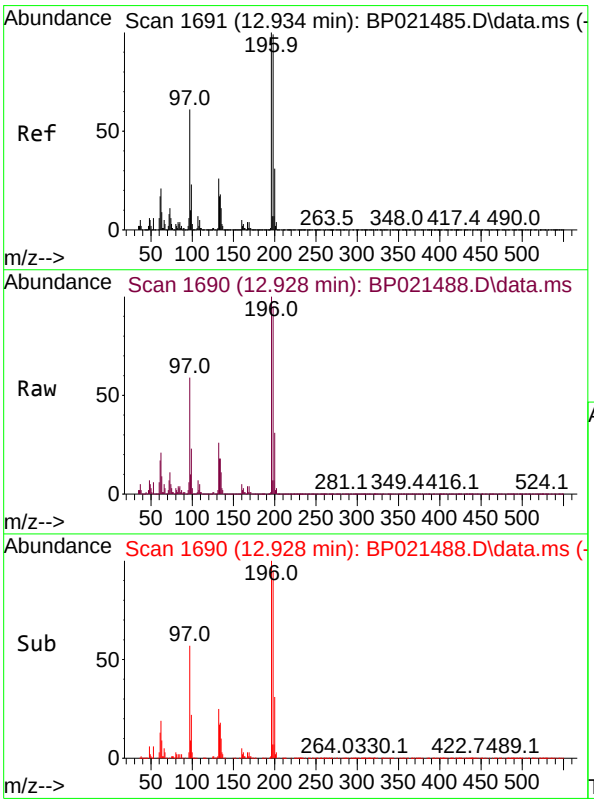
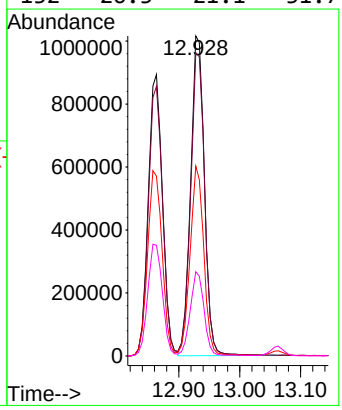
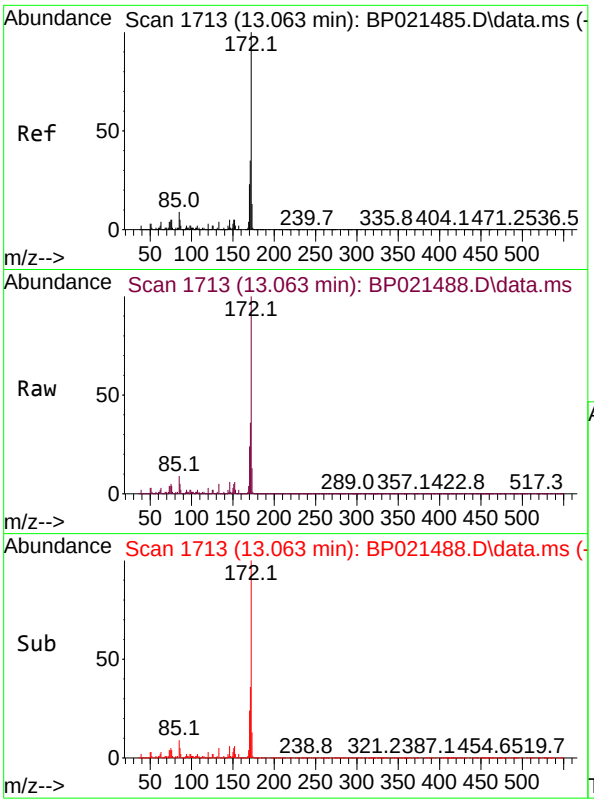


#44
2,4,5-Trichlorophenol
Concen: 89.412 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 1603816

Ion	Ratio	Lower	Upper
196	100		
198	94.7	78.9	118.3
97	59.3	49.4	74.0
132	26.3	21.1	31.7

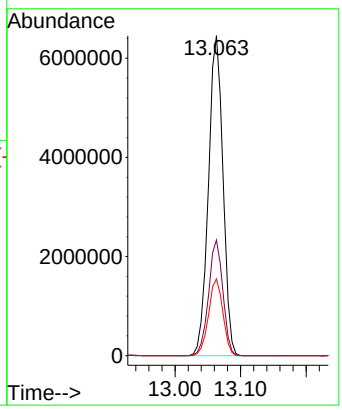




#45
2-Fluorobiphenyl
Concen: 153.020 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:172 Resp: 994568

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	24.0	18.4	27.6



Instrument :
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ClientSampleId :
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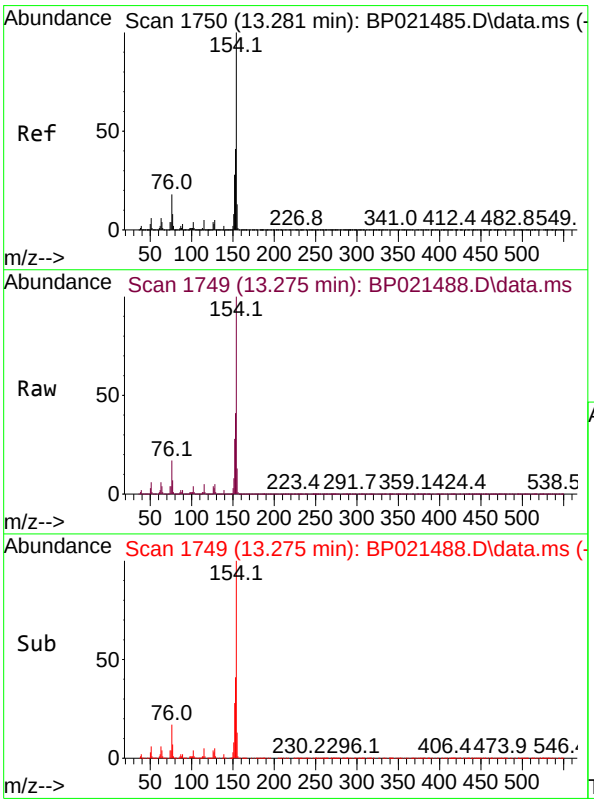
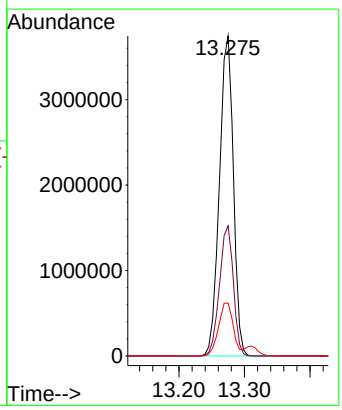
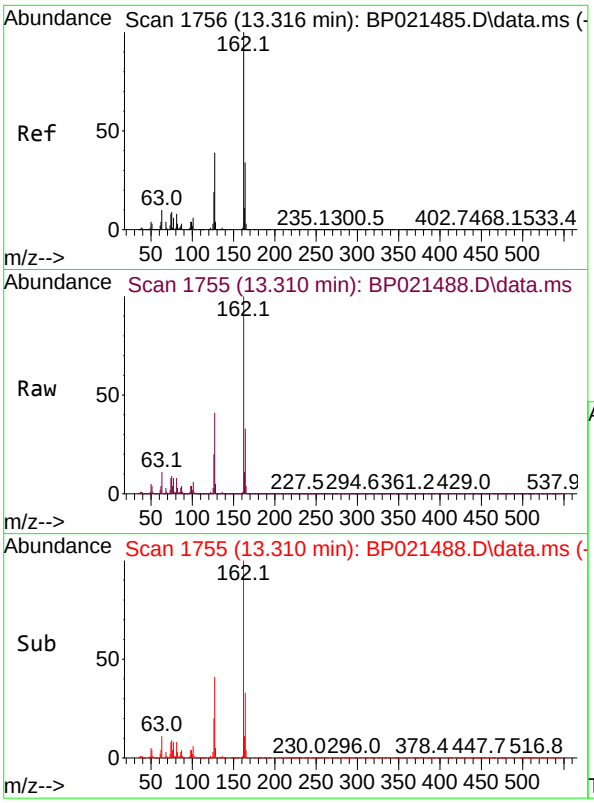


#46
1,1'-Biphenyl
Concen: 78.343 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 5498161

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	16.6	0.0	37.7

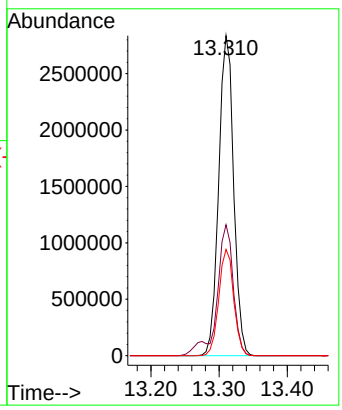




#47
2-Chloronaphthalene
Concen: 78.980 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 431530

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	33.2	26.8	40.2



Instrument :
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ClientSampleId :
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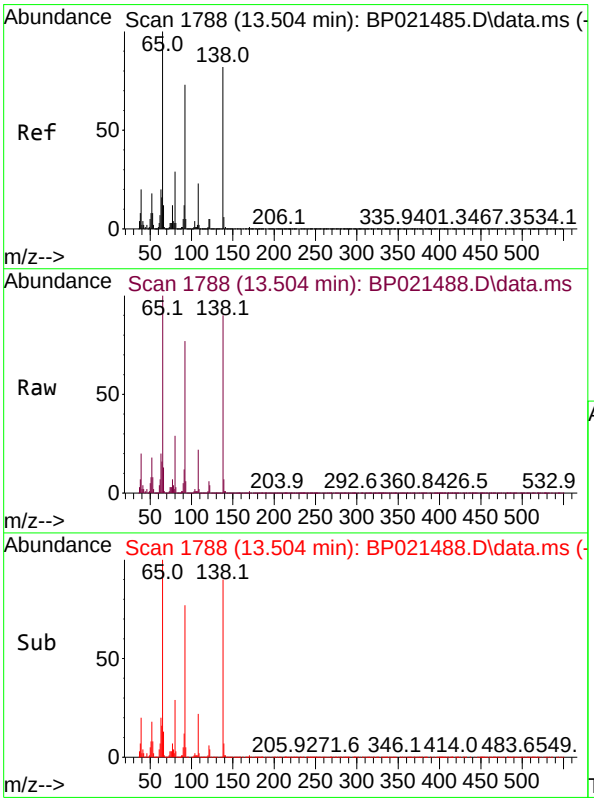
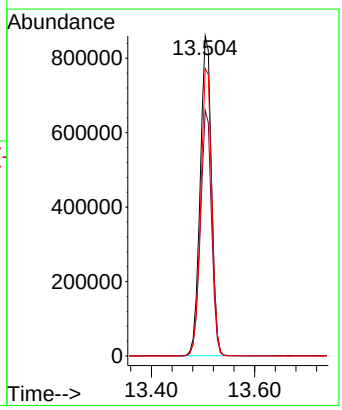
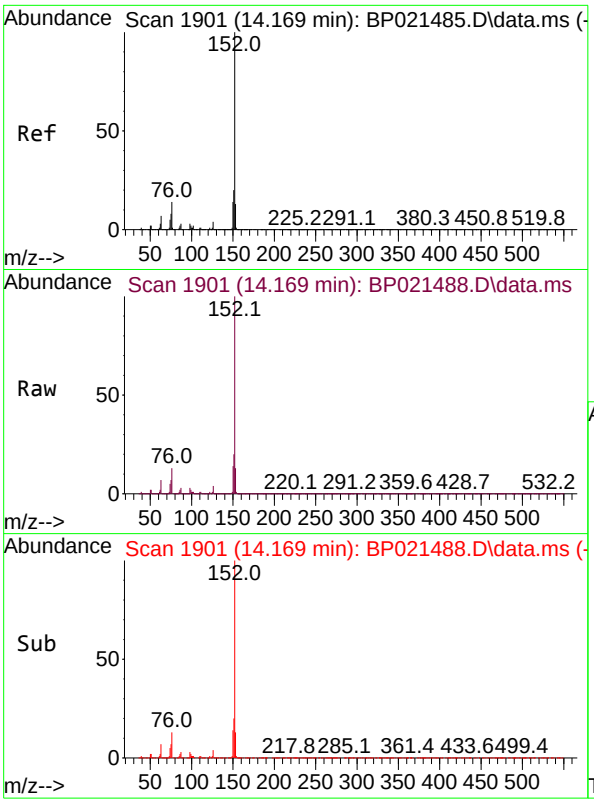


#48
2-Nitroaniline
Concen: 81.000 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 65 Resp: 1301093

Ion	Ratio	Lower	Upper
65	100		
92	76.7	58.1	87.1
138	89.8	65.5	98.3

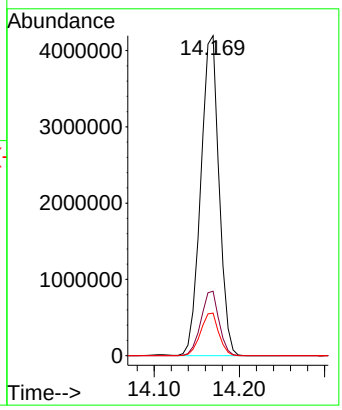




#49
Acenaphthylene
Concen: 77.556 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 622937

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.3	10.6	16.0



Instrument :
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ClientSampleId :
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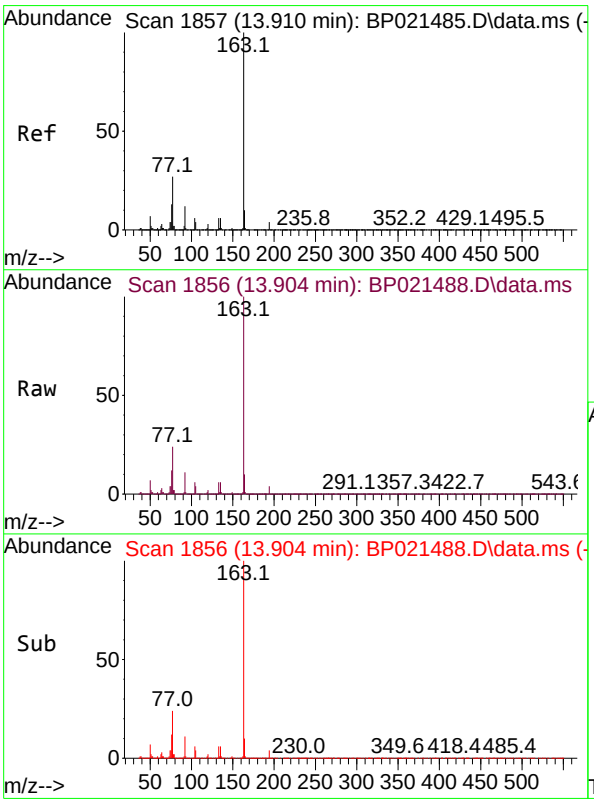
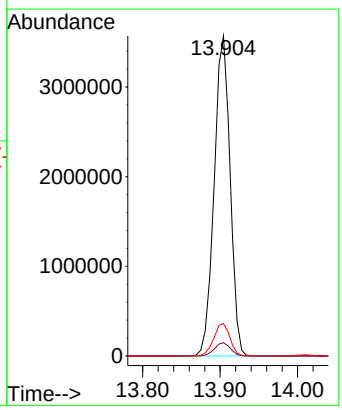
Supervised By :mohammad ahmed 08/14/2024

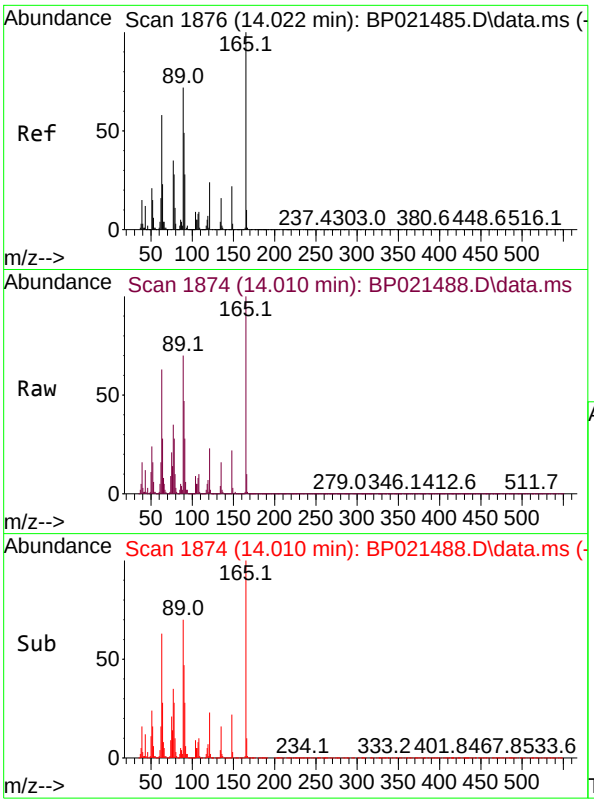


#50
Dimethylphthalate
Concen: 76.844 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:163 Resp: 5104657

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 80.745 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:165 Resp: 112187

Ion	Ratio	Lower	Upper
165	100		
63	62.7	51.5	77.3
89	69.8	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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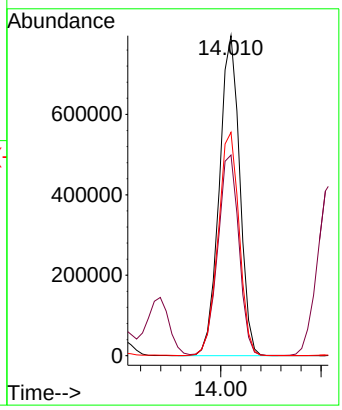
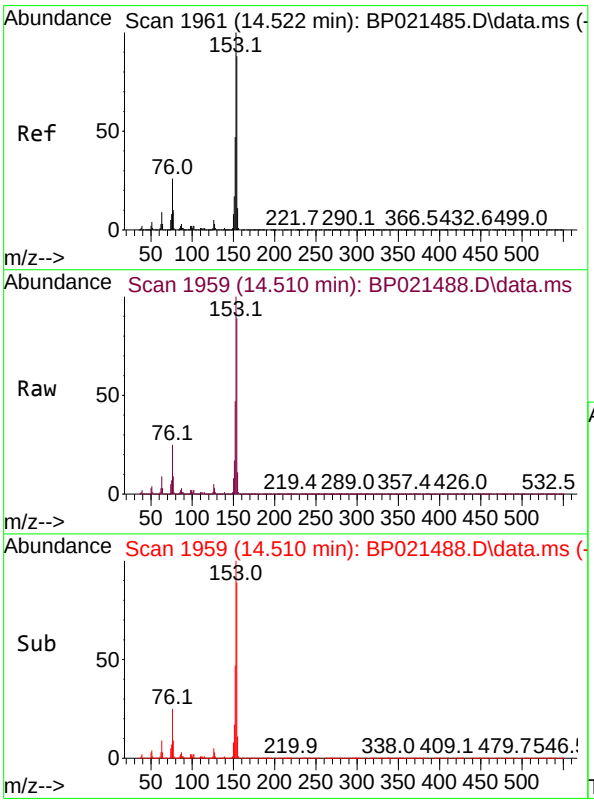
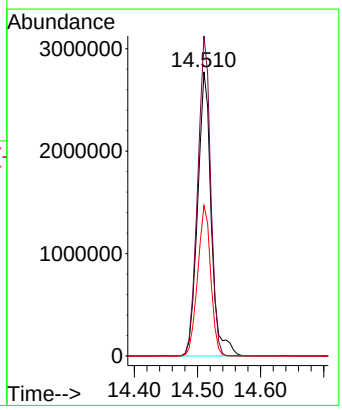


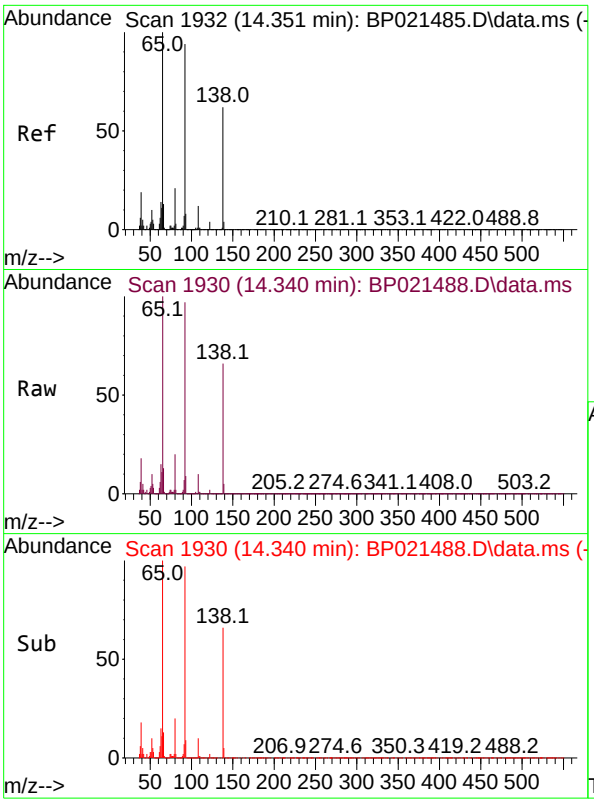


#52
Acenaphthene
Concen: 78.480 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 4136001

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.1	136.7
152	52.9	43.0	64.4

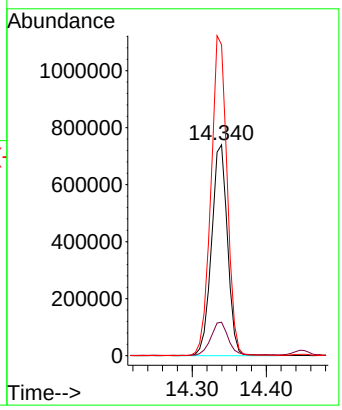




#53
3-Nitroaniline
Concen: 80.567 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 110015

Ion	Ratio	Lower	Upper
138	100		
108	15.9	16.2	24.4
92	147.4	122.2	183.4



Instrument :
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ClientSampleId :
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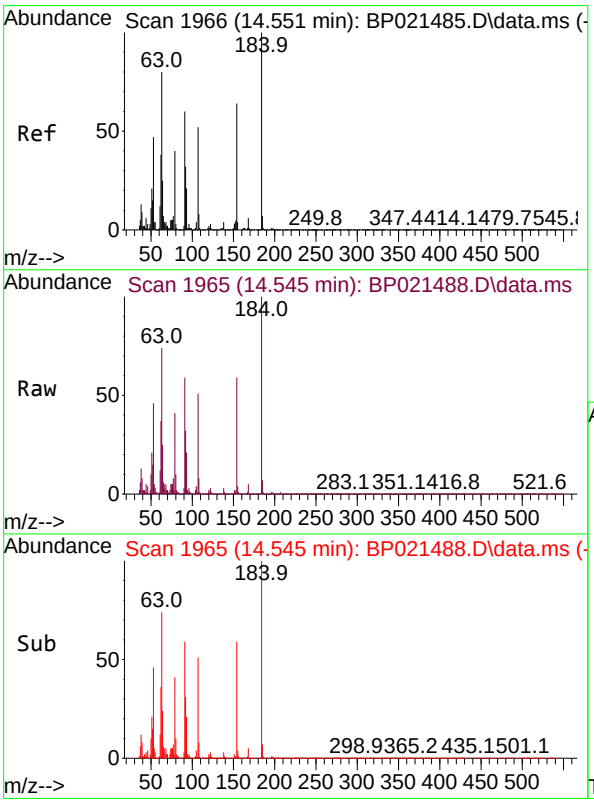
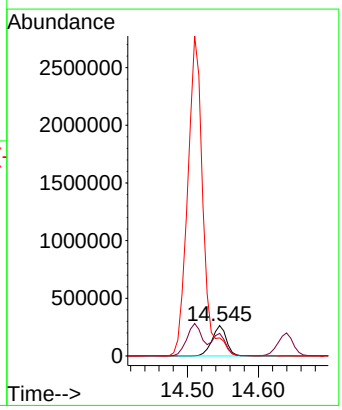
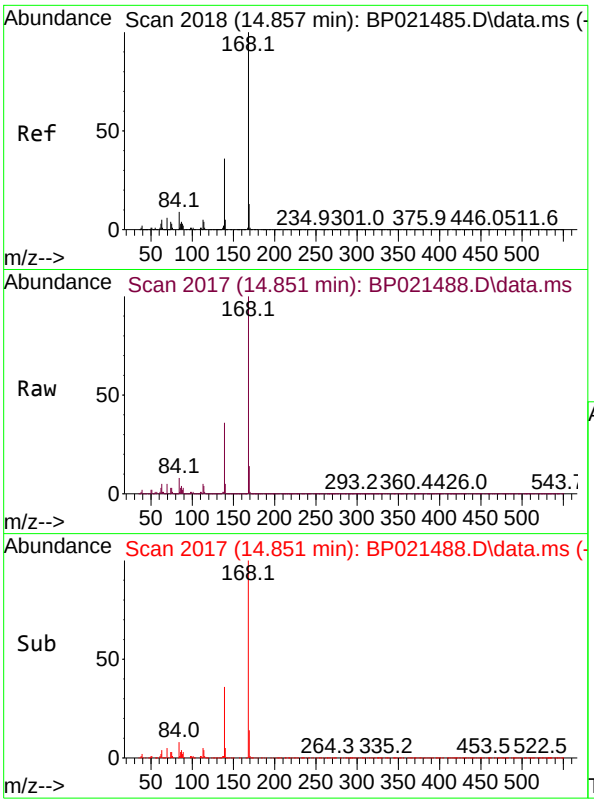


#54
2,4-Dinitrophenol
Concen: 79.528 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 370353

Ion	Ratio	Lower	Upper
184	100		
63	74.3	64.9	97.3
154	59.3	52.1	78.1

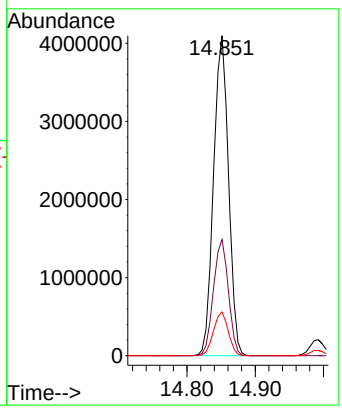




#55
Dibenzofuran
Concen: 77.067 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:168 Resp: 624795

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.7	10.6	16.0



Instrument :
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ClientSampleId :
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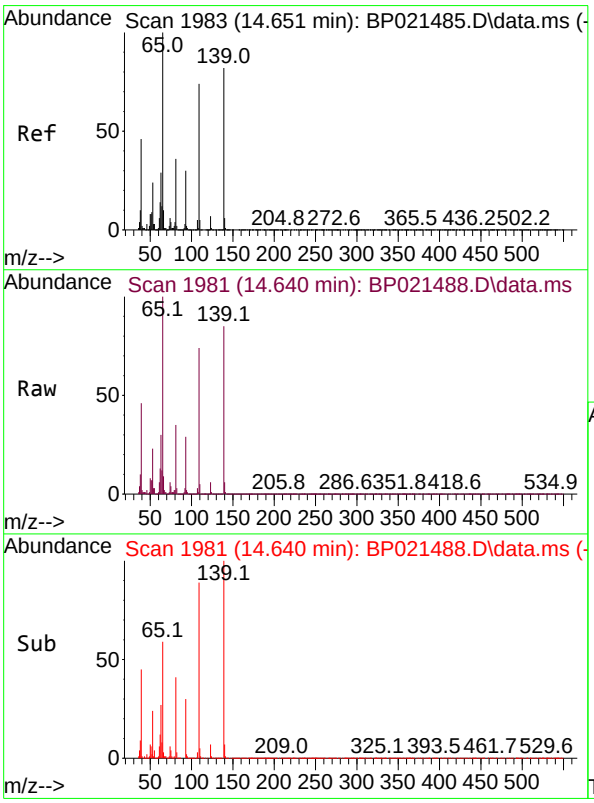
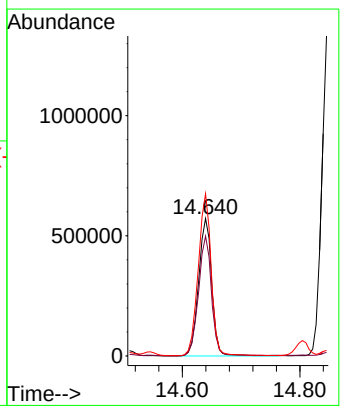
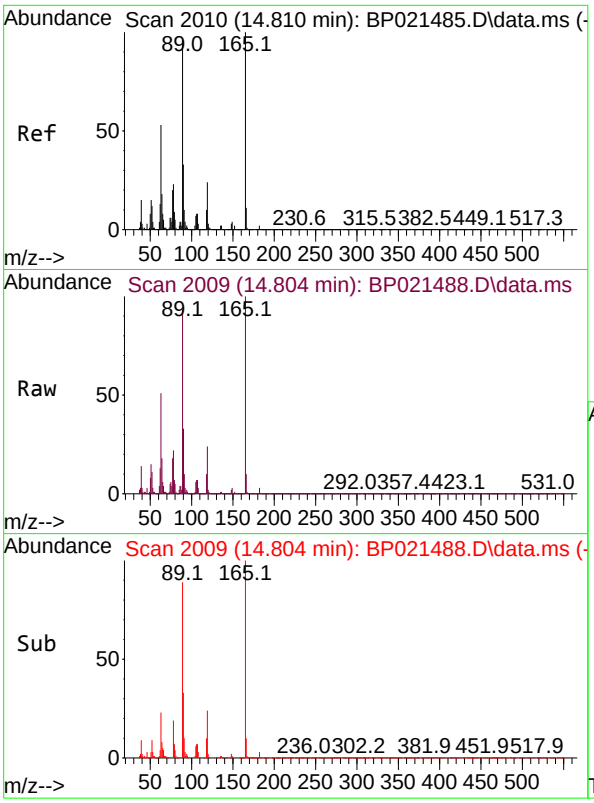


#56
4-Nitrophenol
Concen: 80.388 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:139 Resp: 885944

Ion	Ratio	Lower	Upper
139	100		
109	87.2	70.2	110.2
65	117.9	101.8	141.8

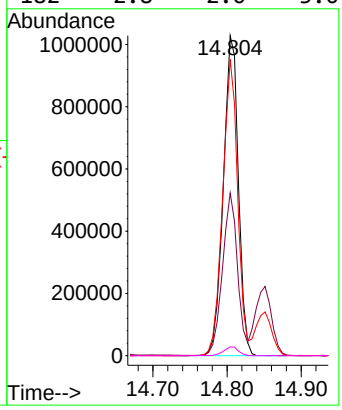




#57
2,4-Dinitrotoluene
Concen: 81.172 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:165 Resp: 144969

Ion	Ratio	Lower	Upper
165	100		
63	50.8	42.5	63.7
89	92.6	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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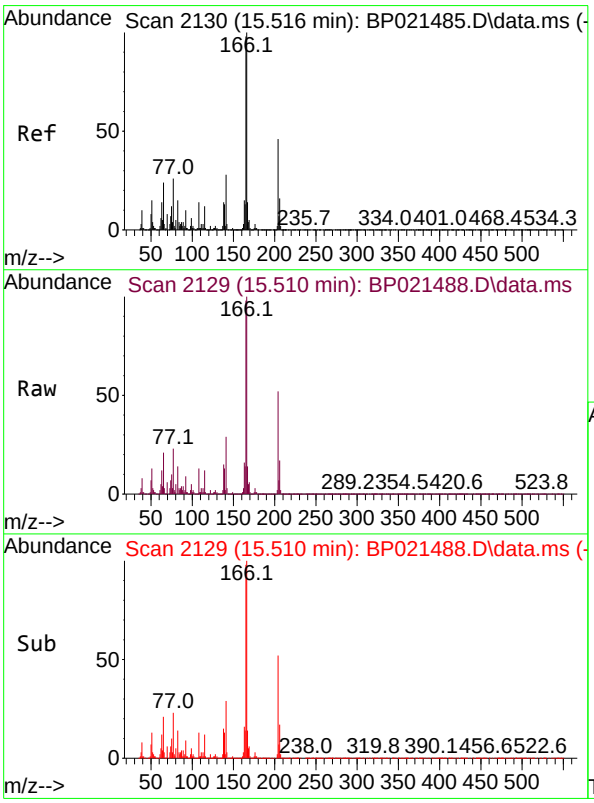
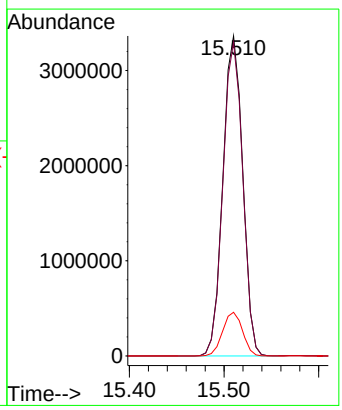
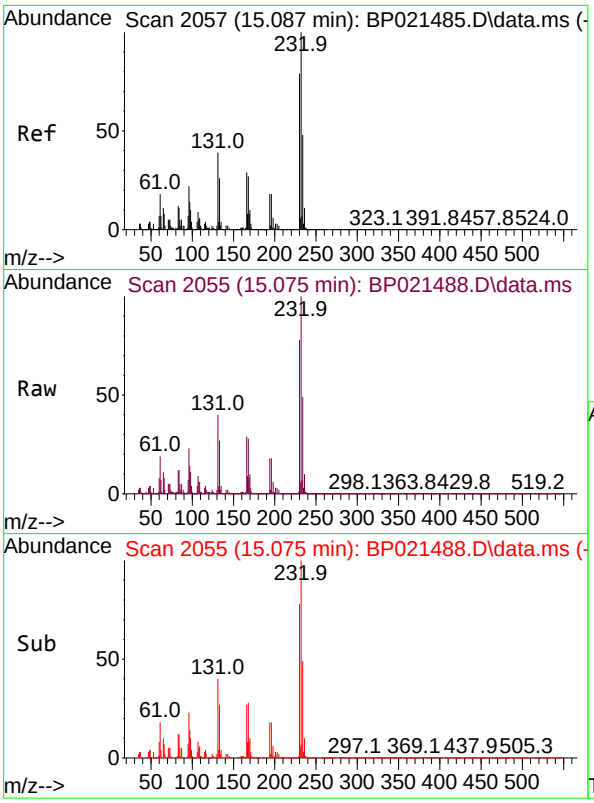


#58
Fluorene
Concen: 73.441 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:166 Resp: 4891299

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.1	117.1
167	13.6	11.0	16.4

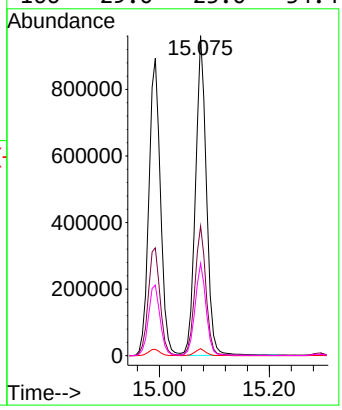




#59
2,3,4,6-Tetrachlorophenol
Concen: 86.863 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:232 Resp: 132248

Ion	Ratio	Lower	Upper
232	100		
131	41.2	33.1	49.7
130	2.1	1.7	2.5
166	29.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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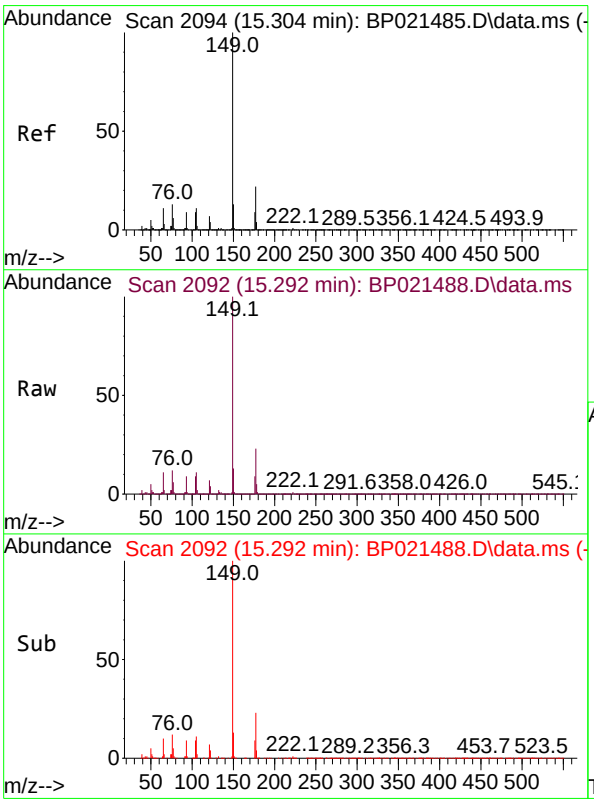
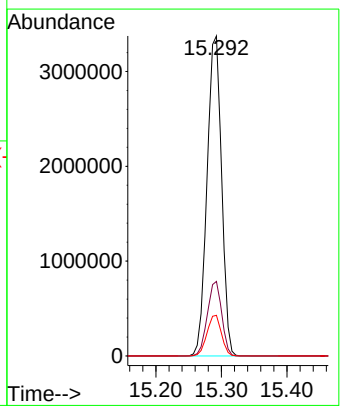
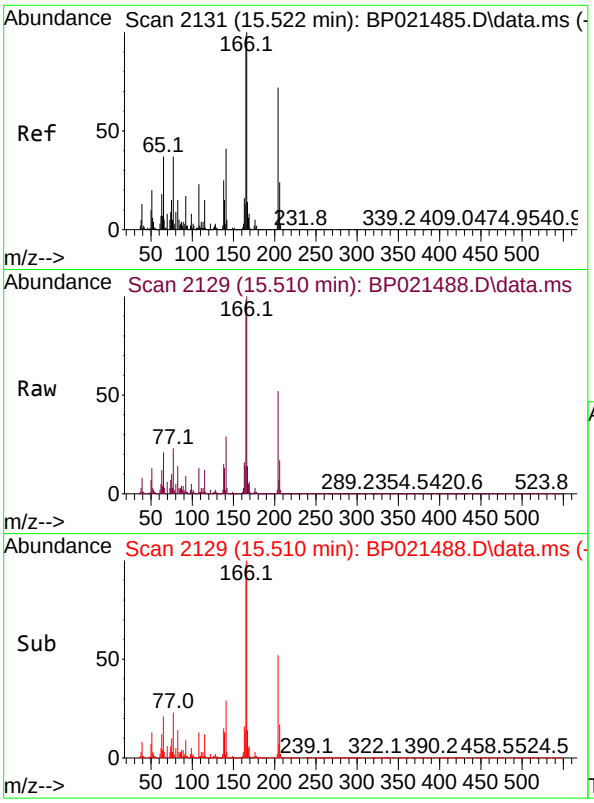


#60
Diethylphthalate
Concen: 76.268 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 5198353

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.8	26.8
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 74.256 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:204 Resp: 255641

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	55.3	46.1	69.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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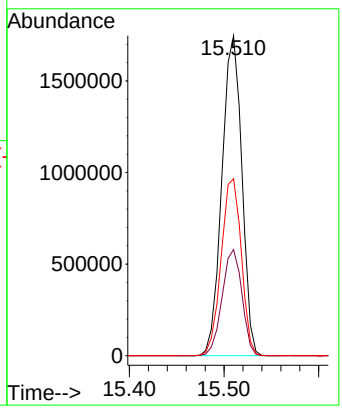
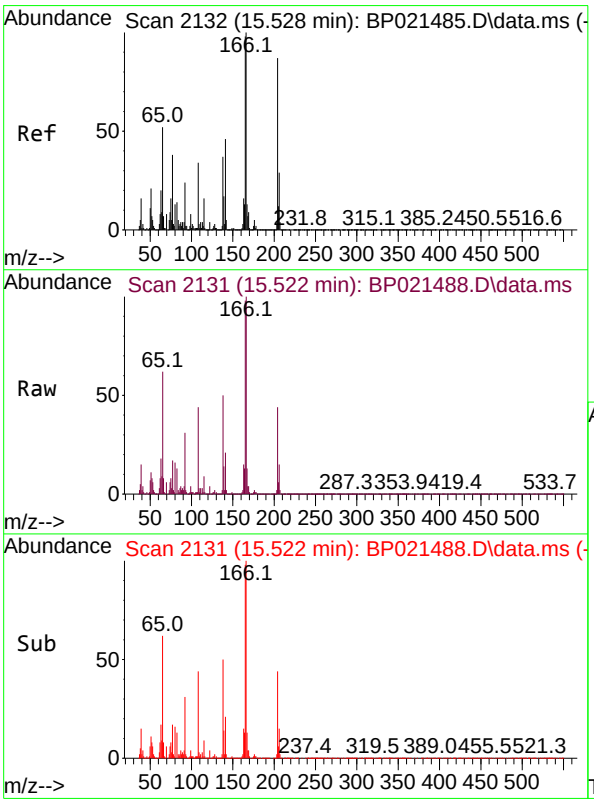
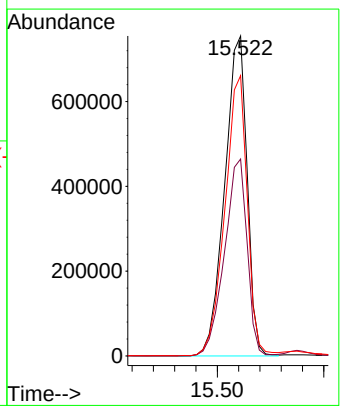


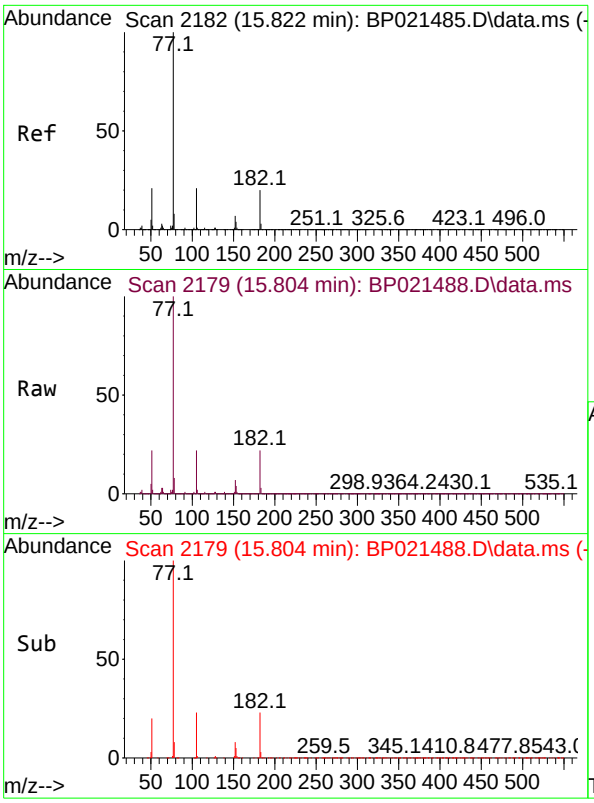


#62
4-Nitroaniline
Concen: 79.329 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 1101954

Ion	Ratio	Lower	Upper
138	100		
92	61.5	46.4	86.4
108	87.6	73.2	113.2

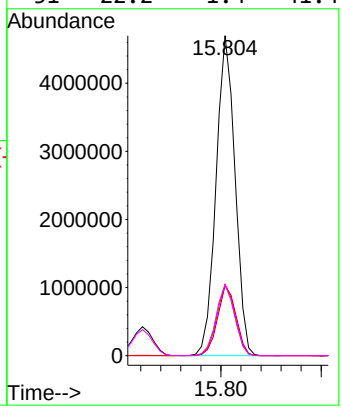




#63
Azobenzene
Concen: 73.633 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 77 Resp: 616925

Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.0	39.9
105	22.2	0.9	40.9
51	22.2	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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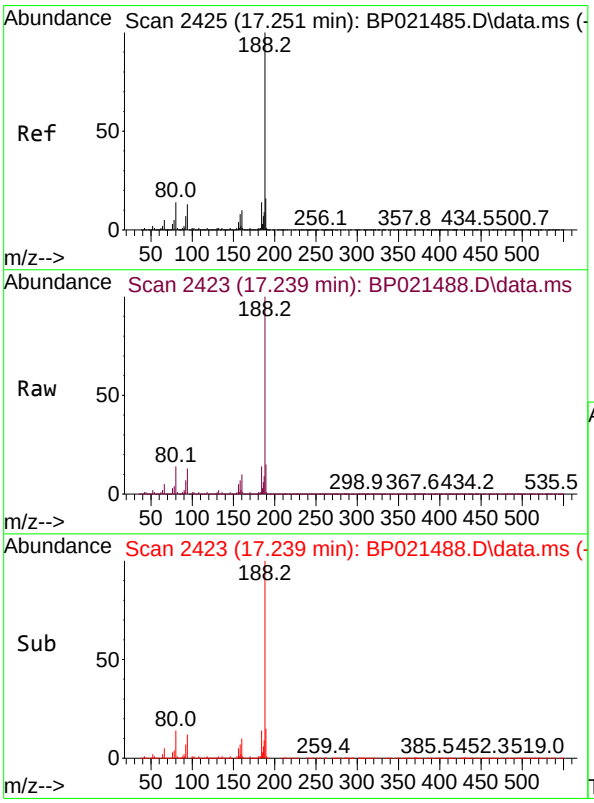
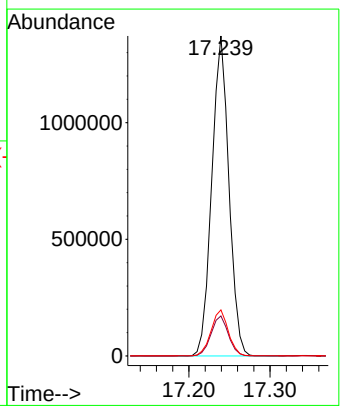
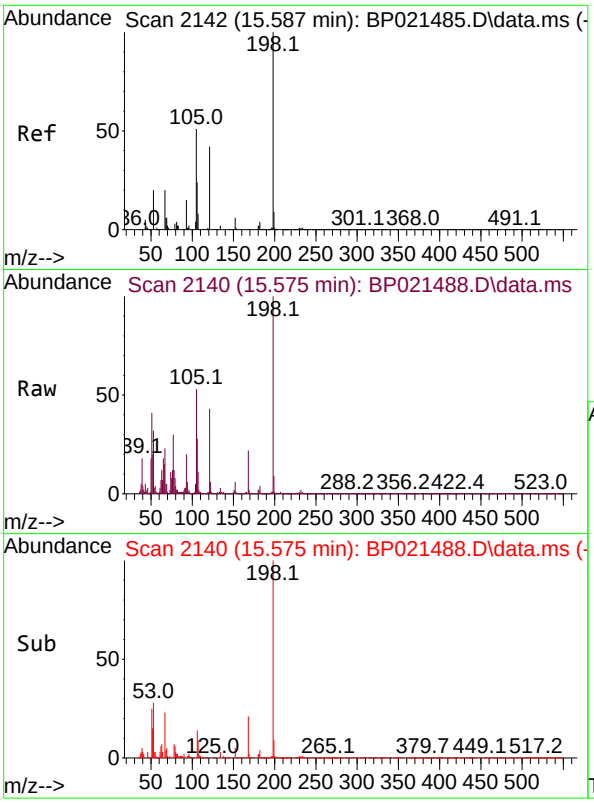


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:188 Resp: 2007991

Ion	Ratio	Lower	Upper
188	100		
94	12.5	10.2	15.4
80	14.4	11.6	17.4

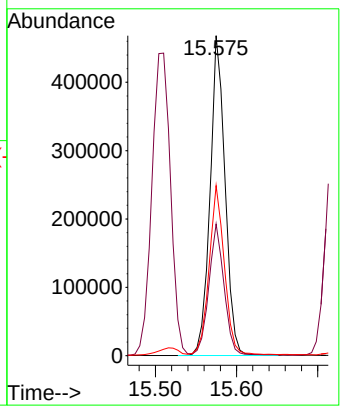




#65
4,6-Dinitro-2-methylphenol
Concen: 79.442 ng
RT: 15.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:198 Resp: 60008

Ion	Ratio	Lower	Upper
198	100		
51	41.2	21.5	61.5
105	53.1	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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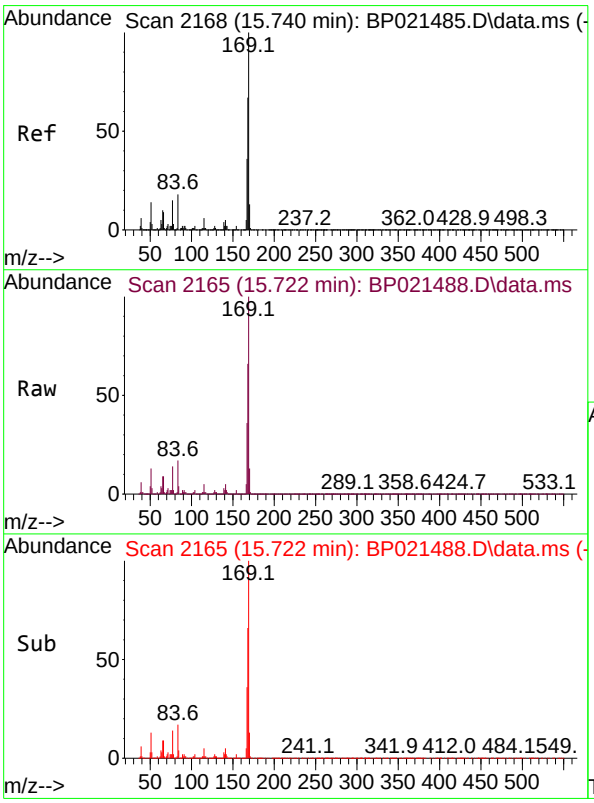
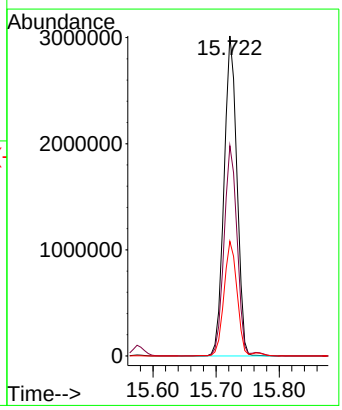
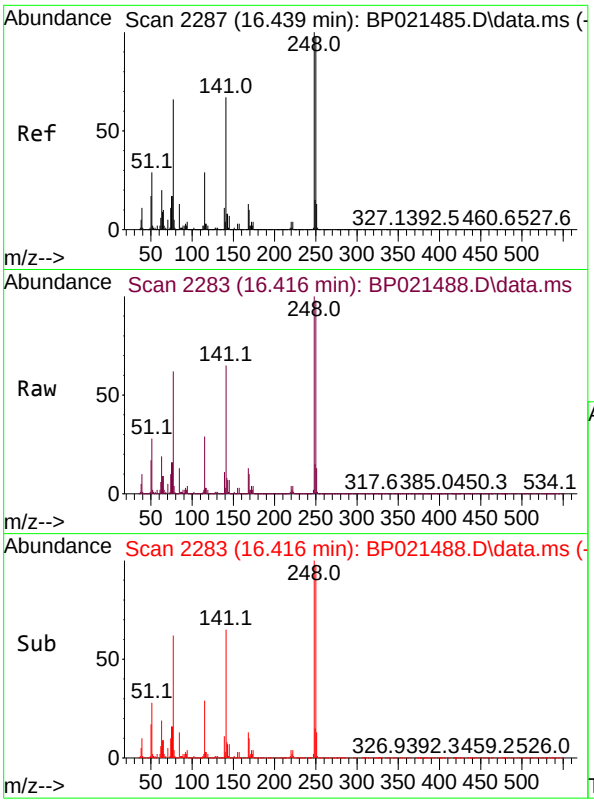


#66
n-Nitrosodiphenylamine
Concen: 79.247 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:169 Resp: 4264380

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.4	80.2
167	35.8	28.7	43.1

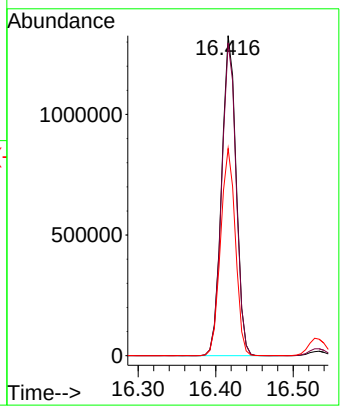




#67
4-Bromophenyl-phenylether
Concen: 81.480 ng
RT: 16.416 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:248 Resp: 173159

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	64.7	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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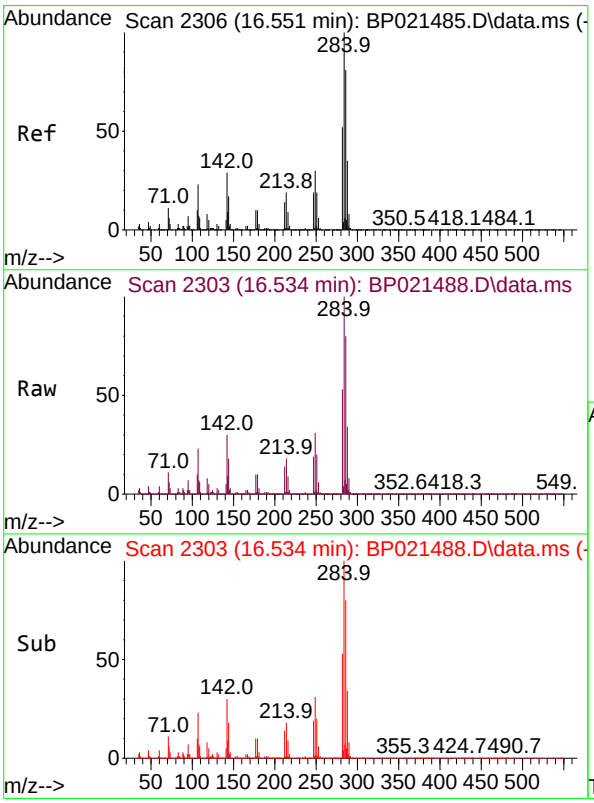
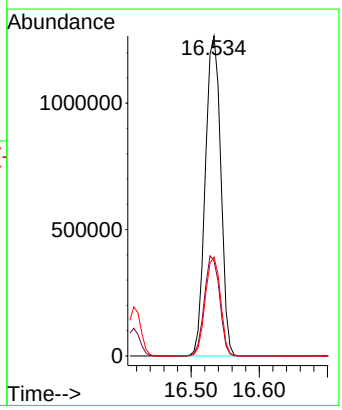
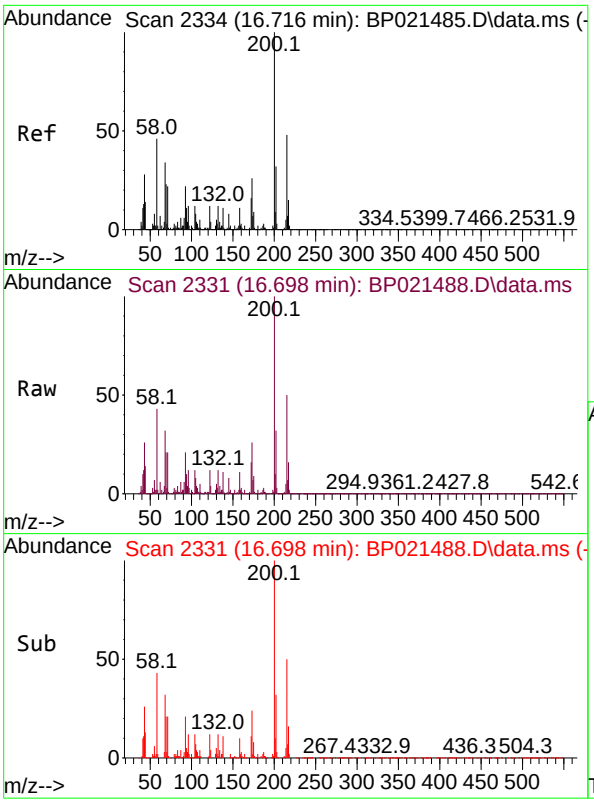


#68
Hexachlorobenzene
Concen: 79.402 ng
RT: 16.534 min Scan# 2303
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:284 Resp: 1994136

Ion	Ratio	Lower	Upper
284	100		
142	29.7	23.4	35.2
249	30.9	24.1	36.1

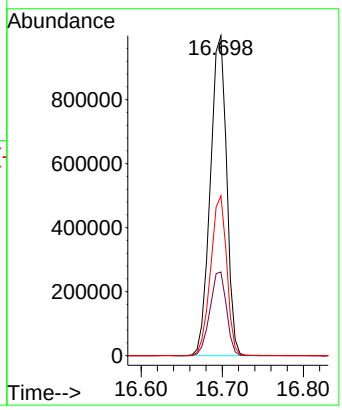




#69
Atrazine
Concen: 75.542 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:200 Resp: 139564

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.2	46.2
215	49.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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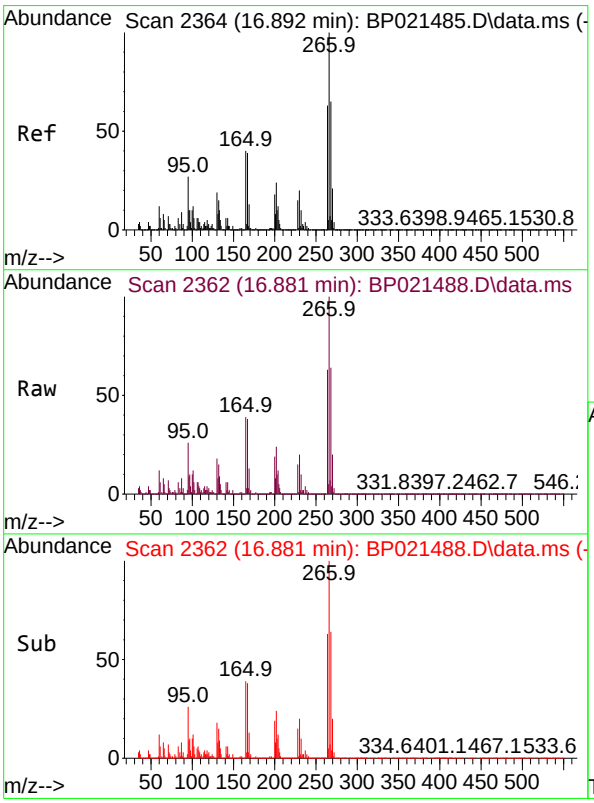
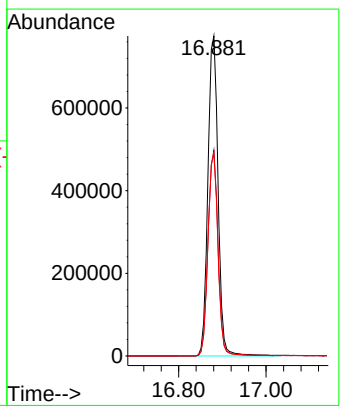
Supervised By :mohammad ahmed 08/14/2024

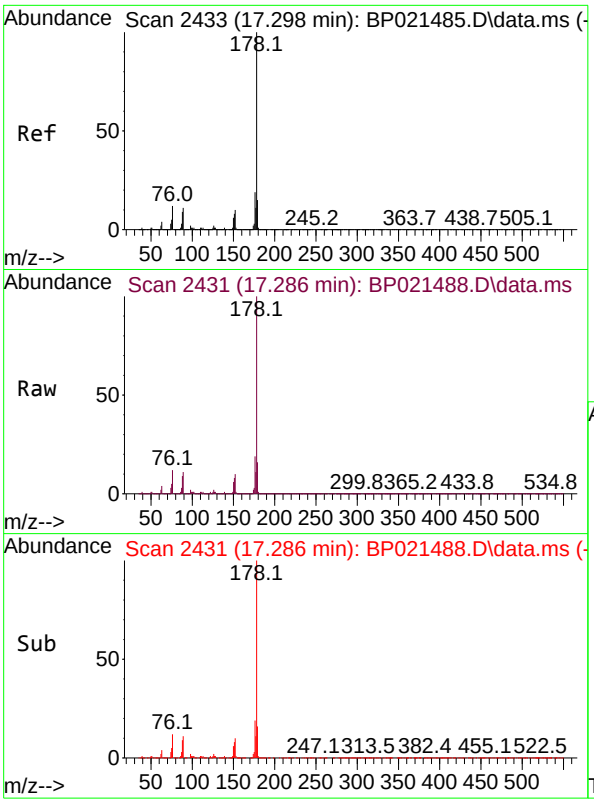


#70
Pentachlorophenol
Concen: 91.649 ng
RT: 16.881 min Scan# 2362
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:266 Resp: 1256277

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.3	50.5	75.7

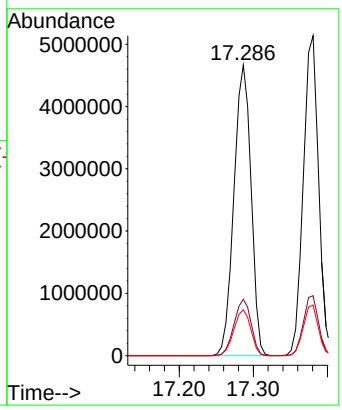




#71
Phenanthrene
Concen: 77.481 ng
RT: 17.286 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 748223

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.8	12.4	18.6



Instrument :
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ClientSampleId :
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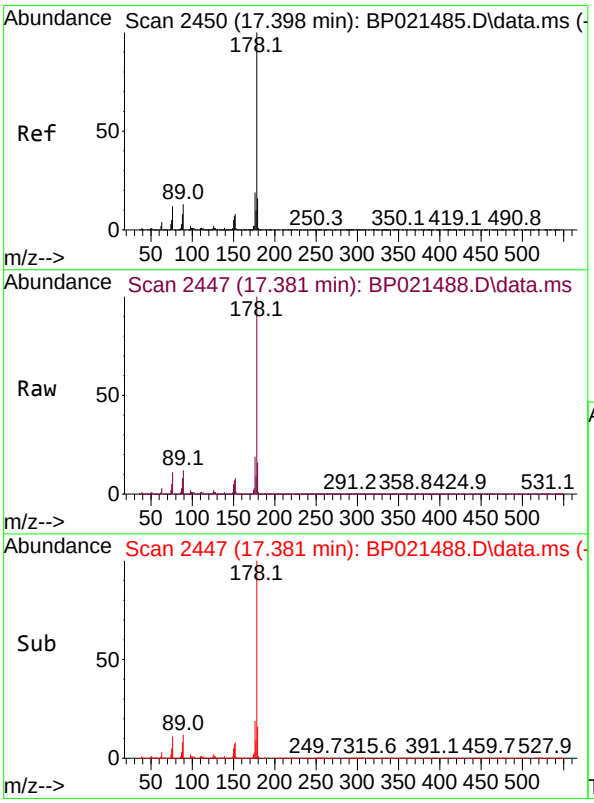
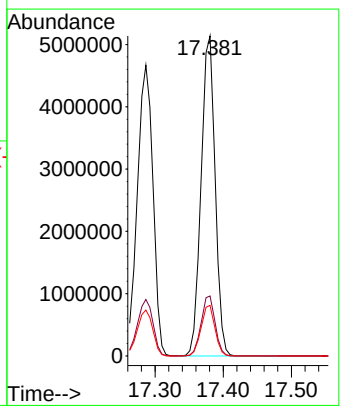
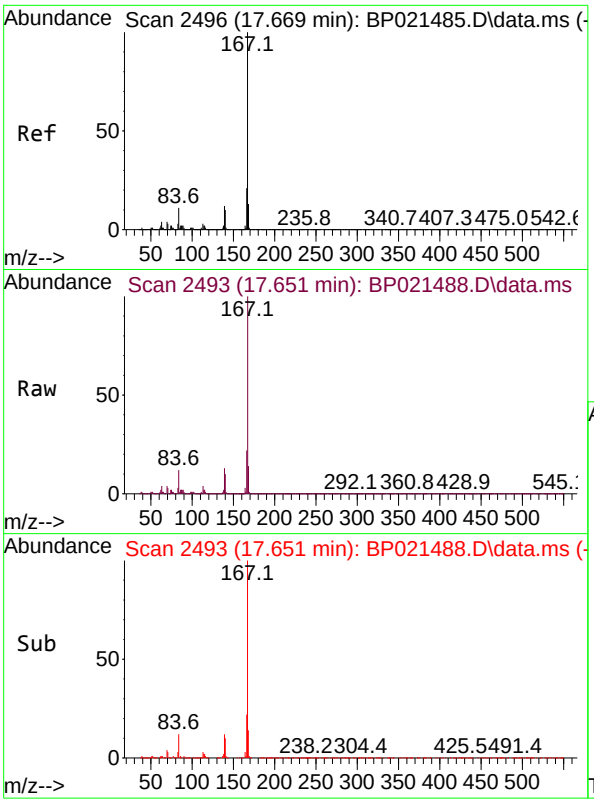


#72
Anthracene
Concen: 77.613 ng
RT: 17.381 min Scan# 2447
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 7350512

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7

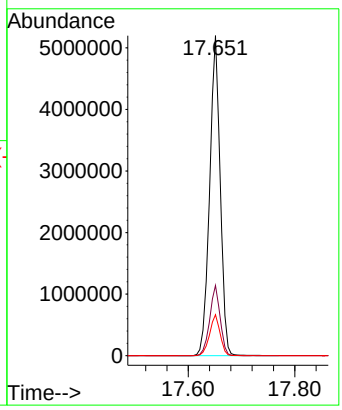




#73
Carbazole
Concen: 78.491 ng
RT: 17.651 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:167 Resp: 716394

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.4
139	12.8	9.9	14.9



Instrument :
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ClientSampleId :
SSTDICC080

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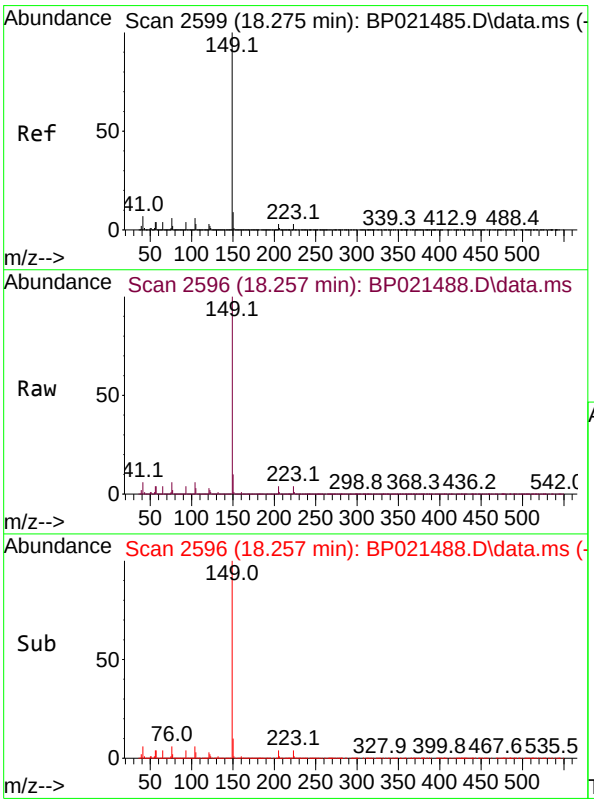
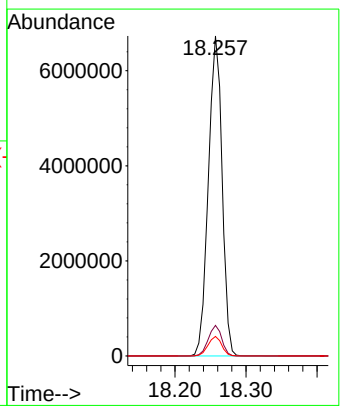
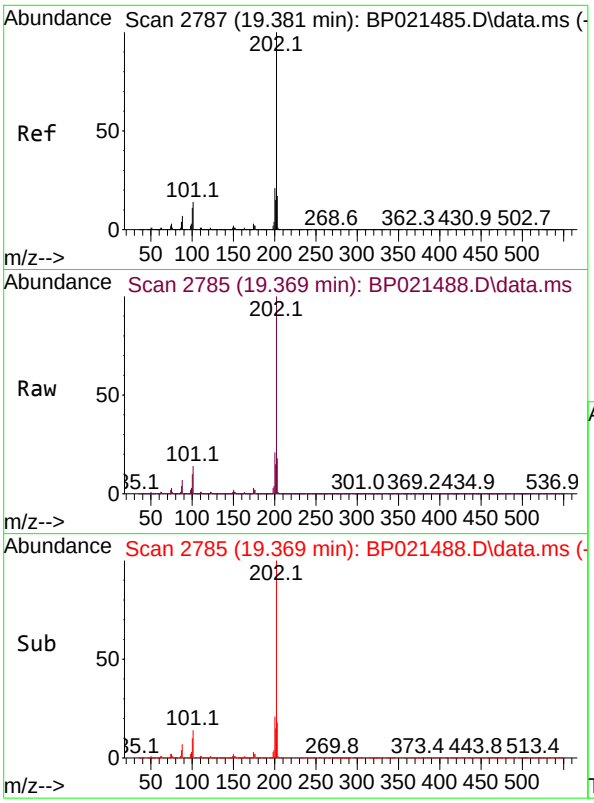


#74
Di-n-butylphthalate
Concen: 80.689 ng
RT: 18.257 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 9044596

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	6.1	4.9	7.3

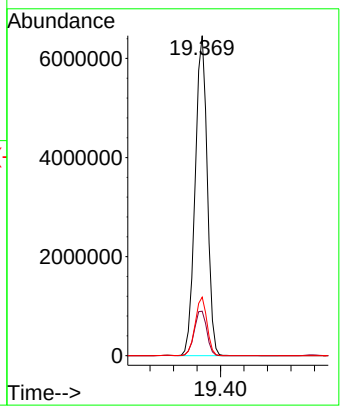




#75
Fluoranthene
Concen: 77.525 ng
RT: 19.369 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 918583

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	18.3	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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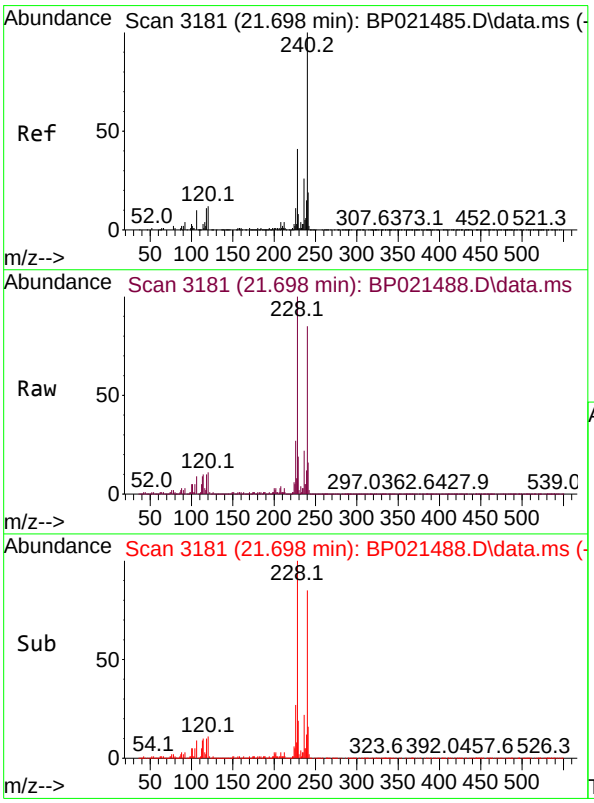
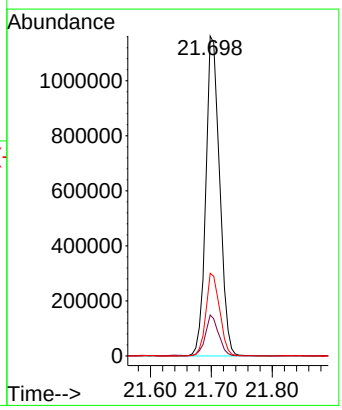
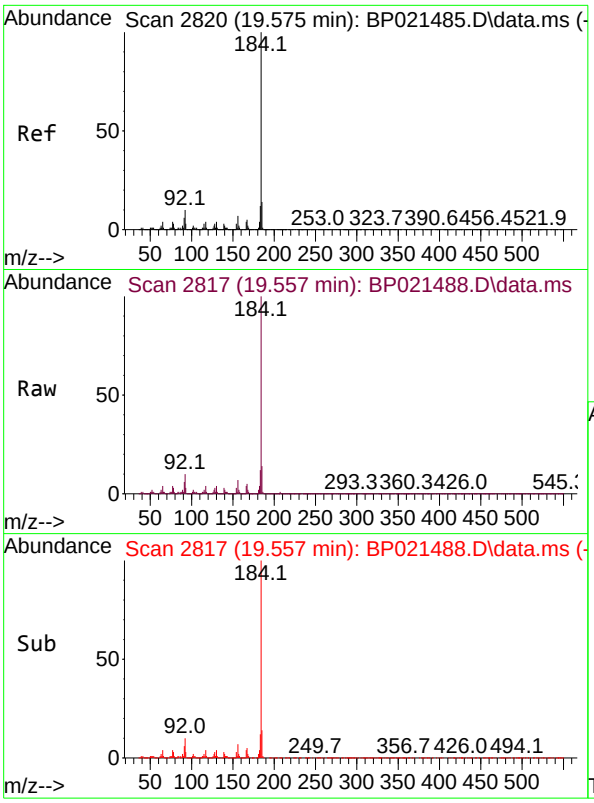


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:240 Resp: 1834396

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.9	14.9
236	25.8	20.6	30.8

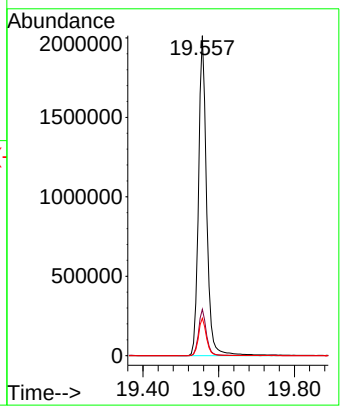




#77
Benzidine
Concen: 82.290 ng
RT: 19.557 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 300061

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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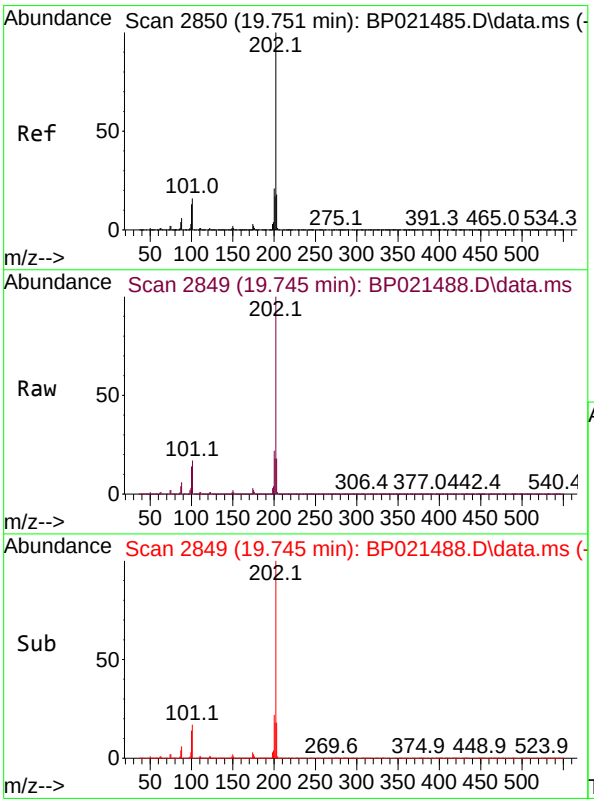
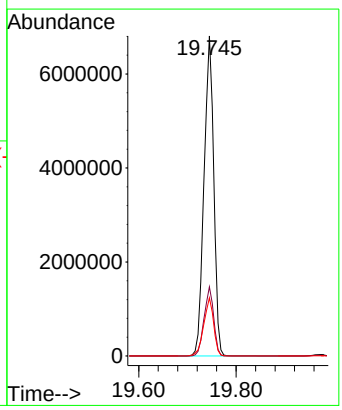
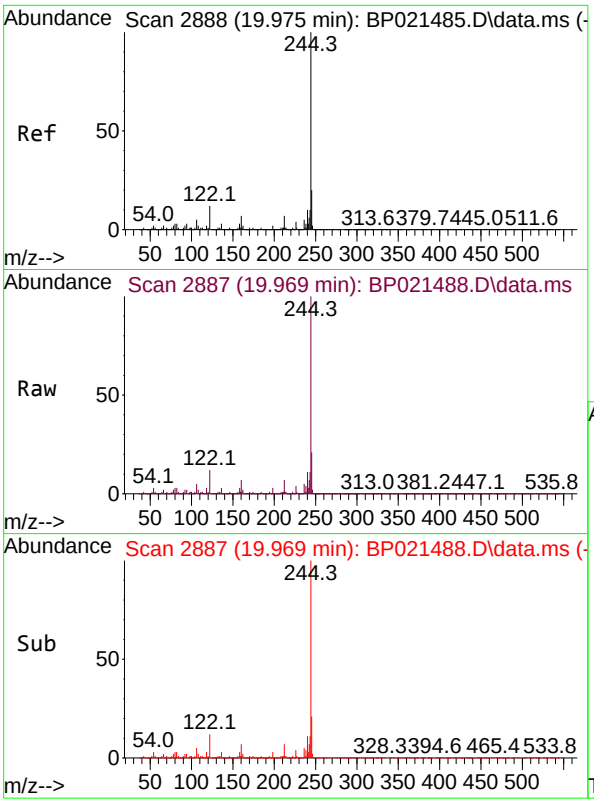


#78
Pyrene
Concen: 78.450 ng
RT: 19.745 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 9406096

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	18.1	14.1	21.1

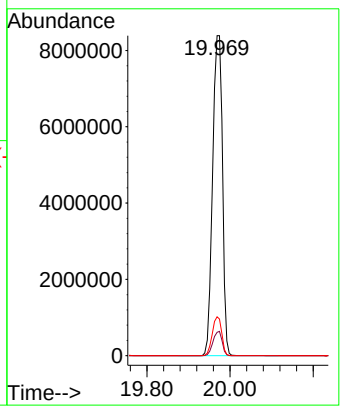




#79
Terphenyl-d14
Concen: 145.311 ng
RT: 19.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:244 Resp:1372075

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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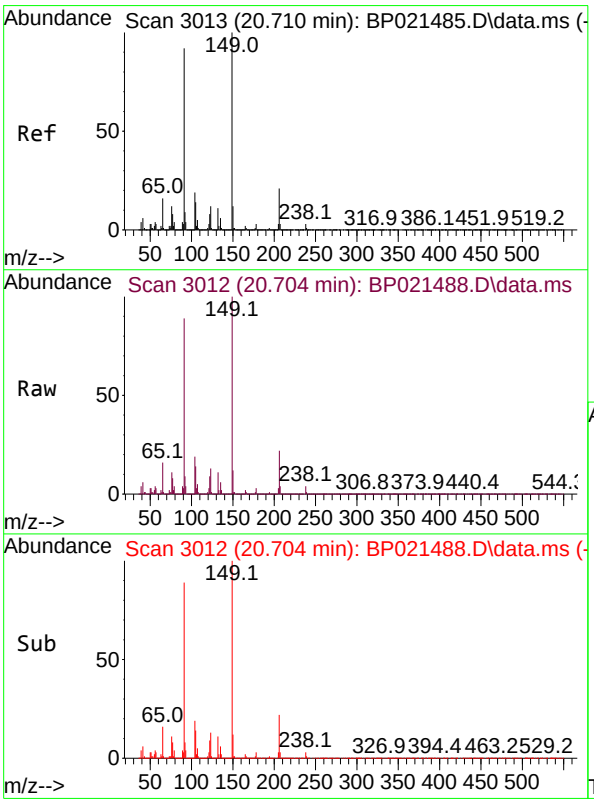
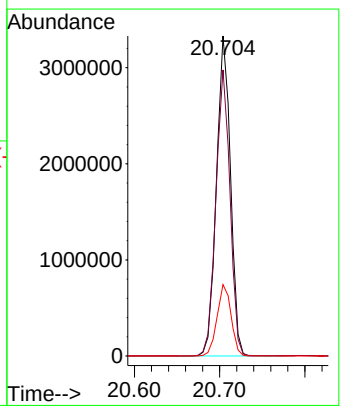
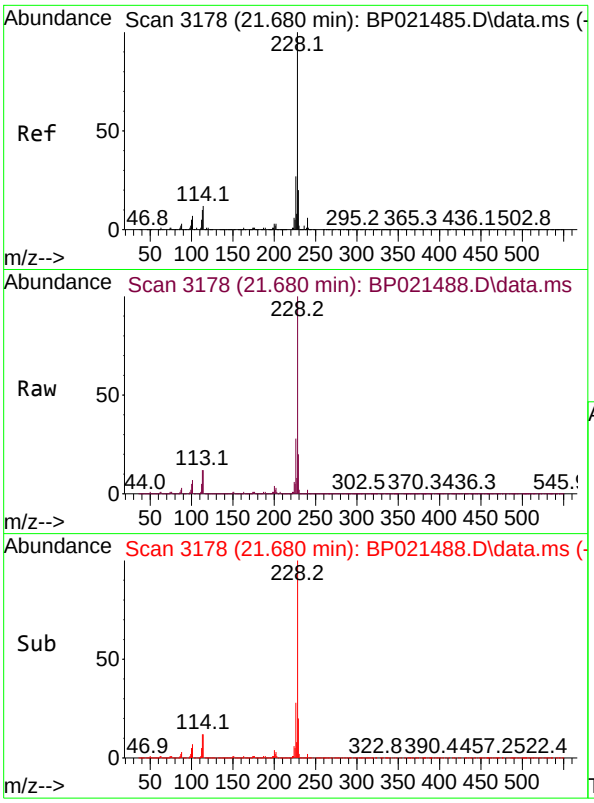


#80
Butylbenzylphthalate
Concen: 80.964 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 3806046

Ion	Ratio	Lower	Upper
149	100		
91	89.4	73.3	109.9
206	22.3	17.1	25.7

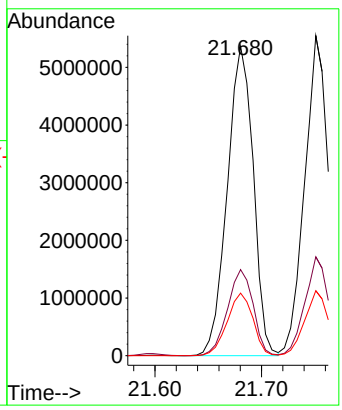




#81
Benzo(a)anthracene
Concen: 79.168 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:228 Resp: 9116699

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	20.2	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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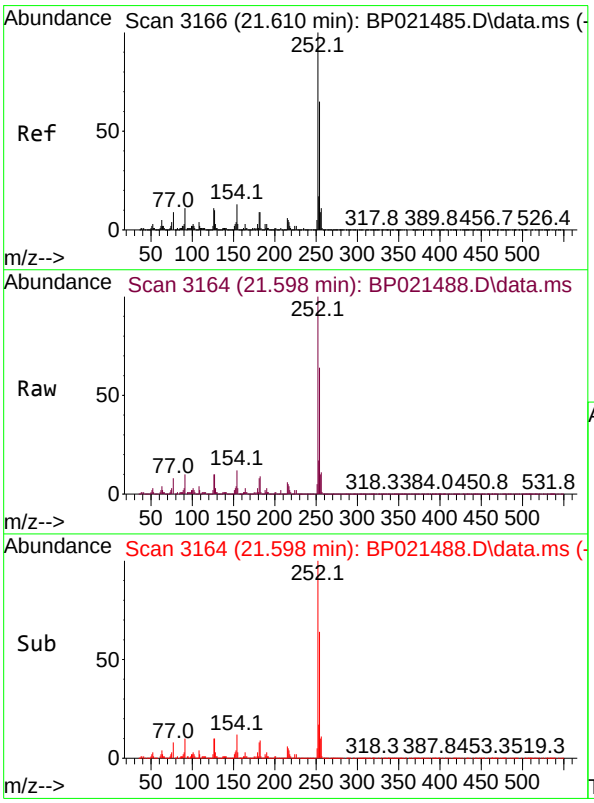
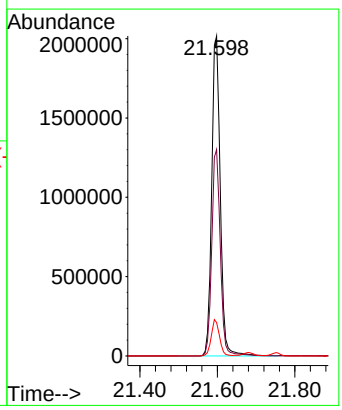
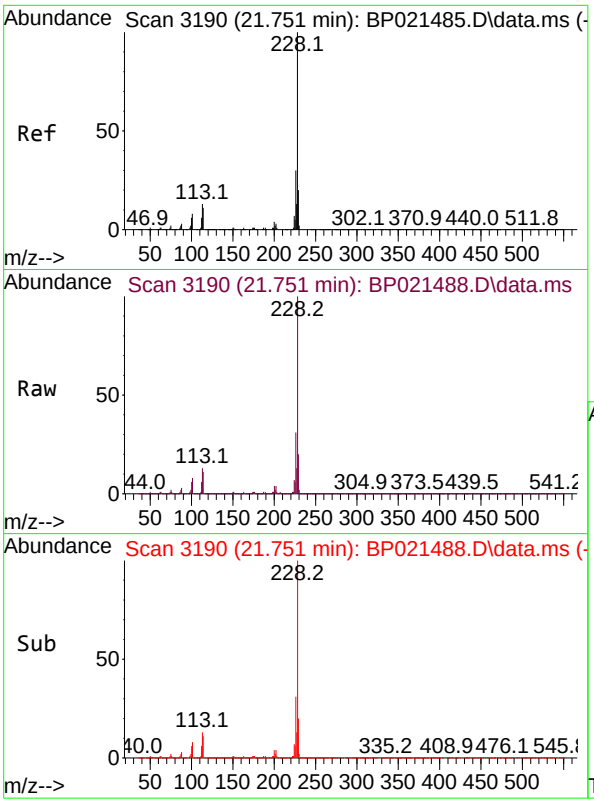


#82
3,3'-Dichlorobenzidine
Concen: 83.768 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 3092890

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	10.4	8.7	13.1

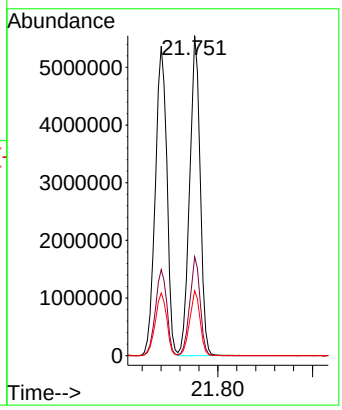




#83
Chrysene
Concen: 78.894 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:228 Resp: 857762

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	20.3	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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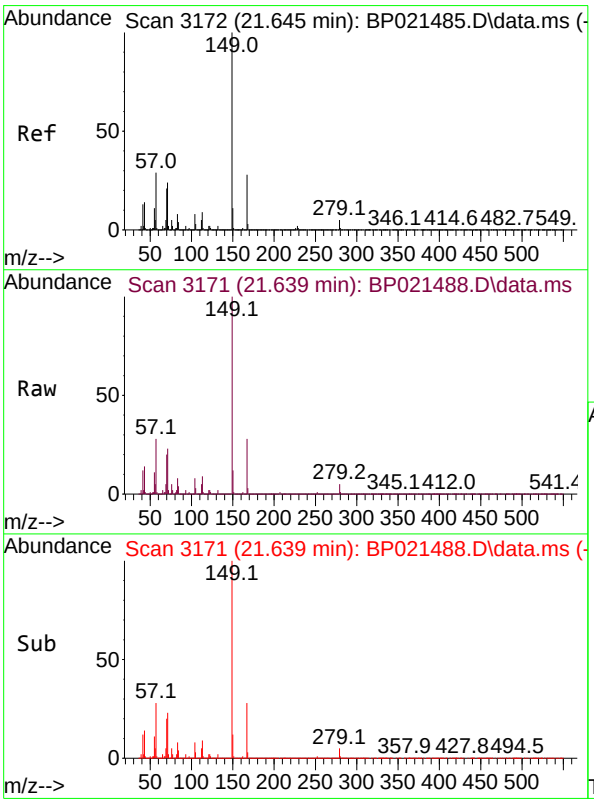
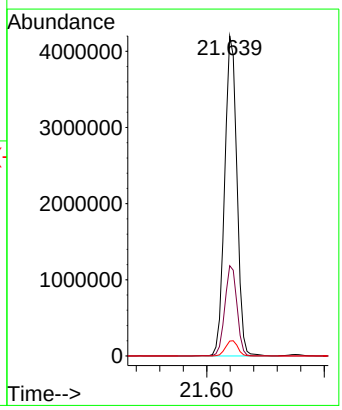
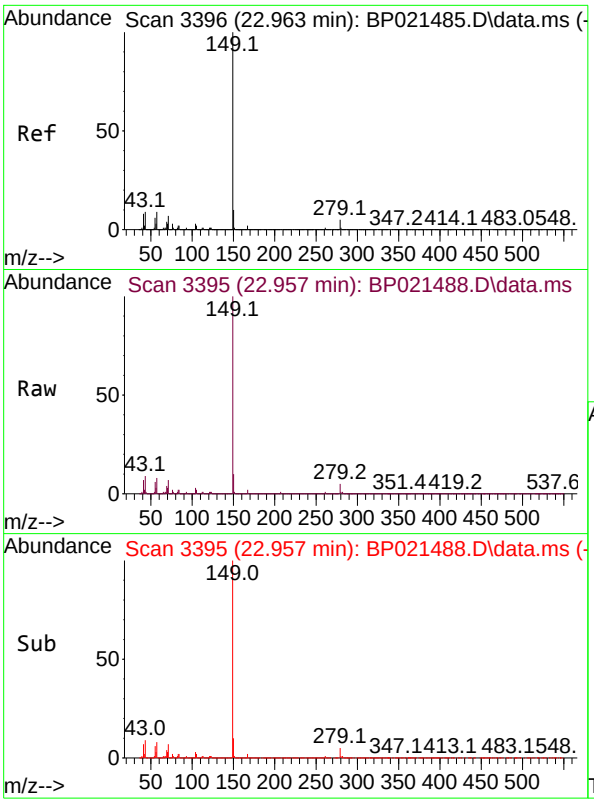


#84
Bis(2-ethylhexyl)phthalate
Concen: 89.068 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 6062099

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.7	3.8	5.6

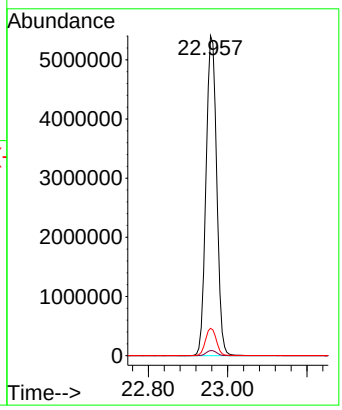




#85
Di-n-octyl phthalate
Concen: 80.797 ng
RT: 22.957 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp:1009931

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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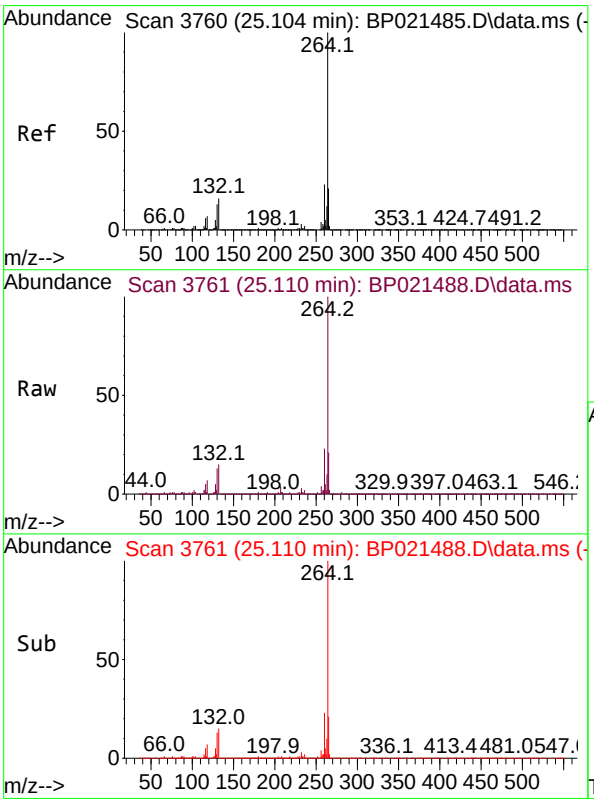
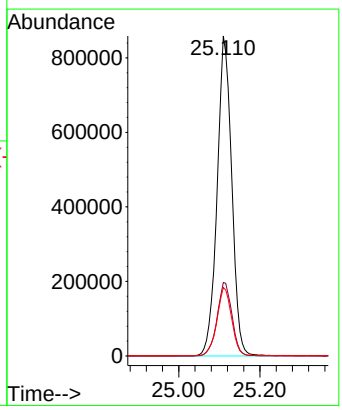
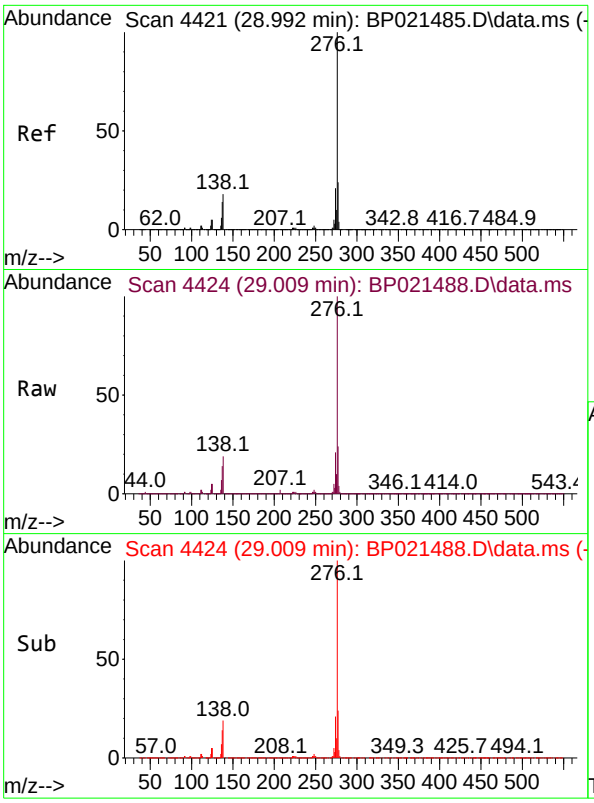


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:264 Resp: 2148798

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.4	17.1	25.7

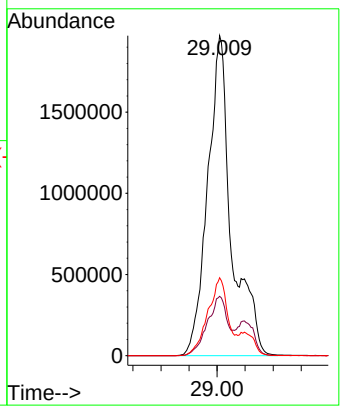




#87
Indeno(1,2,3-cd)pyrene
Concen: 83.285 ng m
RT: 29.009 min Scan# 44
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp:1159945

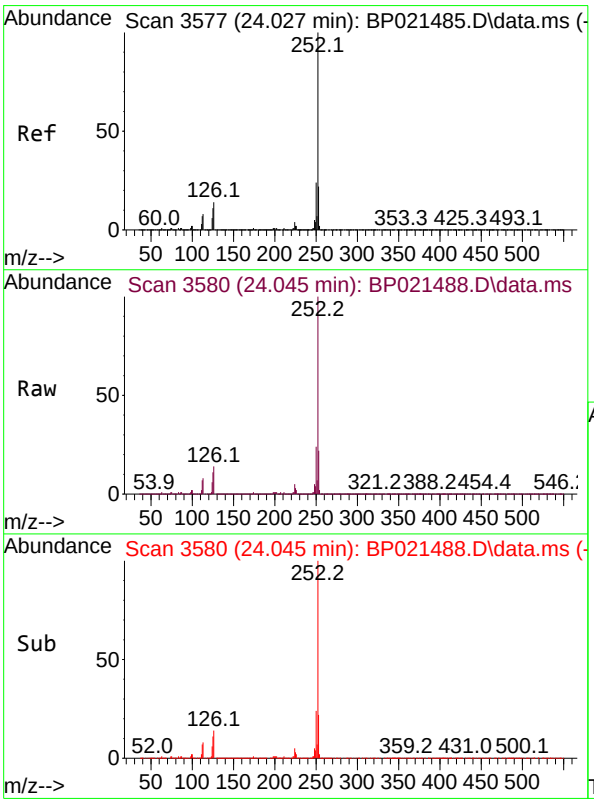
Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.8	19.2
277	20.9	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

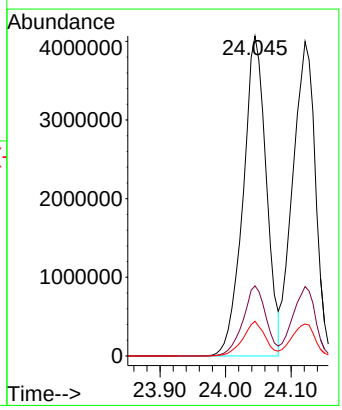
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

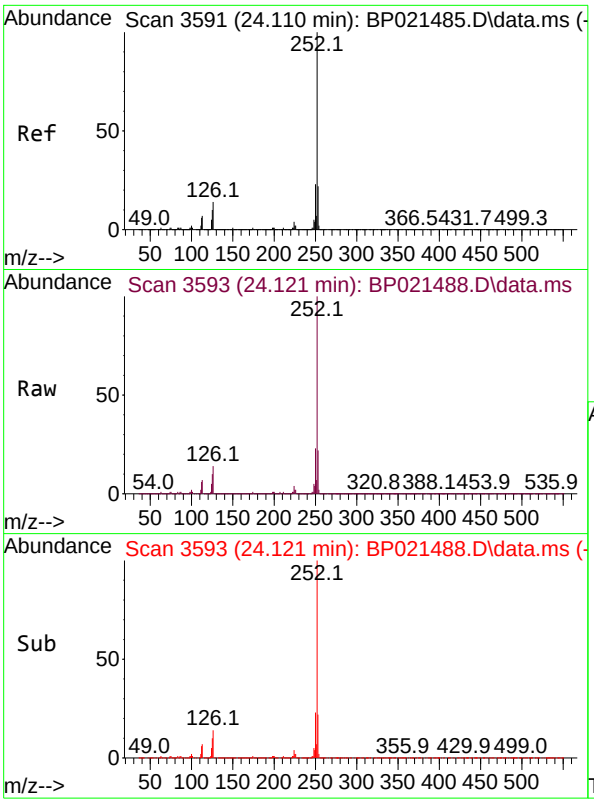


#88
Benzo(b)fluoranthene
Concen: 80.984 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 9994213

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 79.279 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

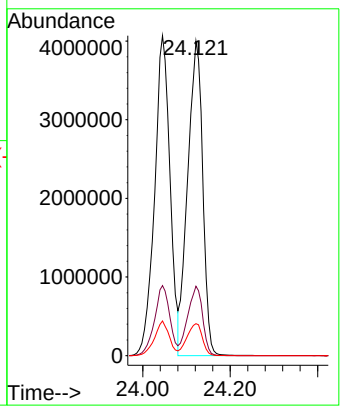
Tgt Ion:252 Resp: 954416

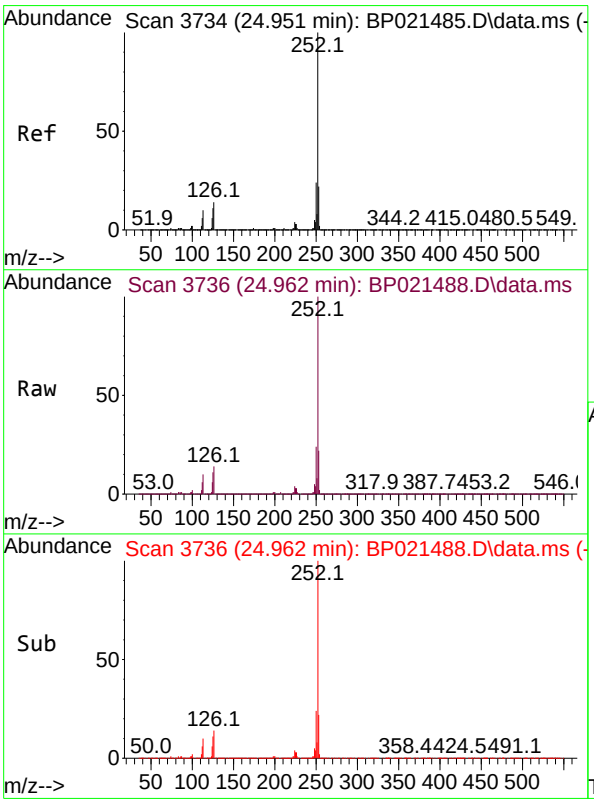
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.2	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

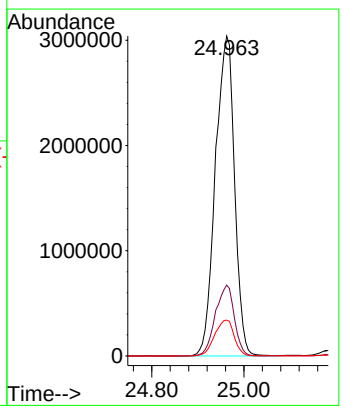


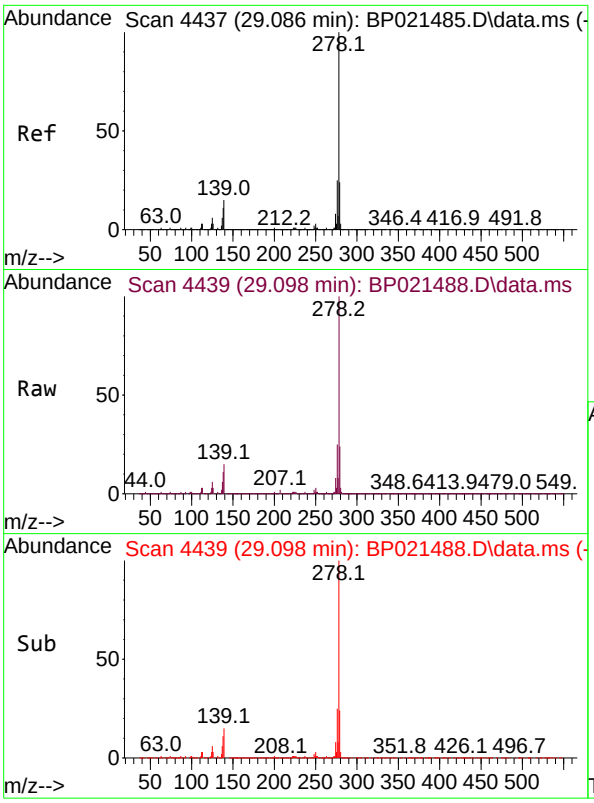


#90
Benzo(a)pyrene
Concen: 81.773 ng
RT: 24.962 min Scan# 3736
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 8757562

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.2	8.7	13.1

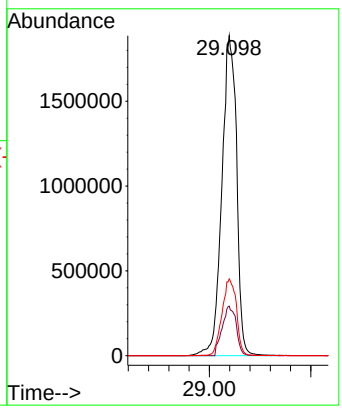




#91
Dibenzo(a,h)anthracene
Concen: 82.349 ng
RT: 29.098 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:278 Resp: 953045

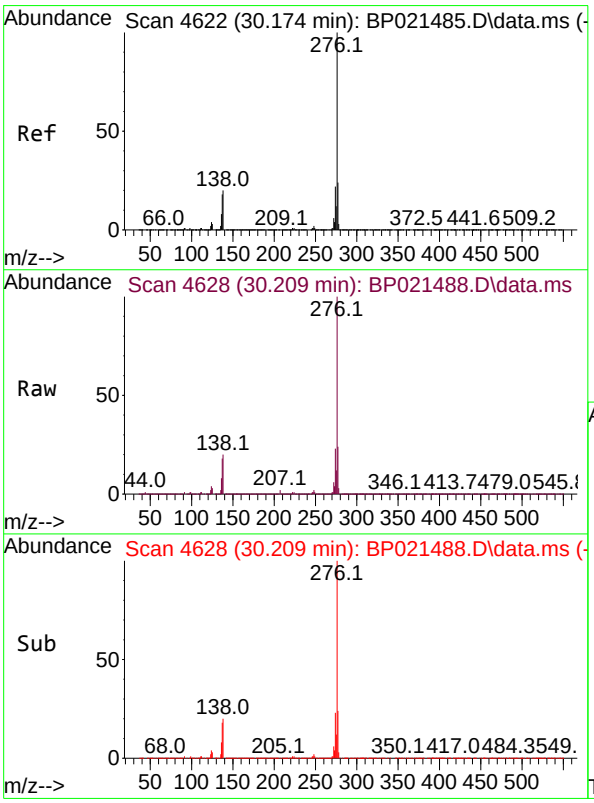
Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

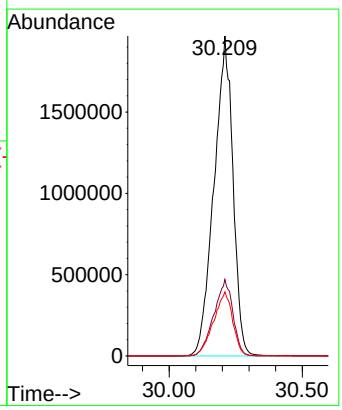
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 83.581 ng
RT: 30.209 min Scan# 4628
Delta R.T. 0.035 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp: 9695156

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	20.1	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	443421	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	2000407	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	1334240	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2538103	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1932921	20.000	ng	0.02
86) Perylene-d12	25.121	264	2127555	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2413201	80.810	ng	0.00
7) Phenol-d6	6.964	99	3740158	85.856	ng	0.00
23) Nitrobenzene-d5	8.958	82	3463320	89.361	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	1239599	83.477	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	6875867	78.649	ng	0.00
79) Terphenyl-d14	19.986	244	8578102	86.216	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	537338	37.948	ng	100
3) Pyridine	3.705	79	1598732m	40.445	ng	
4) n-Nitrosodimethylamine	3.617	42	478013	40.233	ng	100
6) Aniline	7.128	93	1811514	41.596	ng	100
8) 2-Chlorophenol	7.375	128	1167341	42.300	ng	99
9) Benzaldehyde	6.946	77	1127798	40.434	ng	99
10) Phenol	6.993	94	1922019	42.607	ng	97
11) bis(2-Chloroethyl)ether	7.228	93	1585750	41.543	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1300530	39.674	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1309606	39.564	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1271884	39.873	ng	99
15) Benzyl Alcohol	8.034	79	1390052	44.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	1471975	41.875	ng	99
17) 2-Methylphenol	8.234	107	1245871	43.687	ng	100
18) Hexachloroethane	8.893	117	540967	40.755	ng	99
19) n-Nitroso-di-n-propyla...	8.611	70	1303123	43.304	ng	99
20) 3+4-Methylphenols	8.563	107	1724643	44.850	ng	98
22) Acetophenone	8.622	105	2454249	39.936	ng	98
24) Nitrobenzene	8.999	77	1820293	43.244	ng	98
25) Isophorone	9.516	82	3726496	40.700	ng	100
26) 2-Nitrophenol	9.705	139	501343	47.780	ng	99
27) 2,4-Dimethylphenol	9.758	122	930478	41.179	ng	99
28) bis(2-Chloroethoxy)met...	10.005	93	2260063	40.438	ng	99
29) 2,4-Dichlorophenol	10.240	162	1159801	43.442	ng	99
30) 1,2,4-Trichlorobenzene	10.458	180	1339874	39.146	ng	97
31) Naphthalene	10.646	128	4141293	39.629	ng	99
32) Benzoic acid	9.899	122	747114	49.839	ng	98
33) 4-Chloroaniline	10.746	127	1594388	40.617	ng	99
34) Hexachlorobutadiene	10.946	225	842702	39.102	ng	99
35) Caprolactam	11.505	113	464342	41.786	ng	97
36) 4-Chloro-3-methylphenol	11.857	107	1591956	42.987	ng	99
37) 2-Methylnaphthalene	12.263	142	2882235	40.412	ng	99
38) 1-Methylnaphthalene	12.475	142	2825877	40.173	ng	100
40) 1,2,4,5-Tetrachloroben...	12.640	216	1573947	40.261	ng	100
41) Hexachlorocyclopentadiene	12.622	237	535050	43.183	ng	99
43) 2,4,6-Trichlorophenol	12.869	196	960914	44.249	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.940	196	1071161	44.396	ng		98
46) 1,1'-Biphenyl	13.281	154	3732699	39.542	ng		99
47) 2-Chloronaphthalene	13.322	162	2917301	39.695	ng		99
48) 2-Nitroaniline	13.510	65	874355	43.044	ng		98
49) Acenaphthylene	14.181	152	4270895	39.531	ng		100
50) Dimethylphthalate	13.910	163	3496130	39.127	ng		99
51) 2,6-Dinitrotoluene	14.022	165	735994	41.424	ng		97
52) Acenaphthene	14.528	154	2790584	39.366	ng		99
53) 3-Nitroaniline	14.351	138	705420	40.483	ng		97
54) 2,4-Dinitrophenol	14.546	184	215120	45.065	ng	#	56
55) Dibenzofuran	14.863	168	4202990	38.543	ng		99
56) 4-Nitrophenol	14.640	139	545969	39.582	ng		98
57) 2,4-Dinitrotoluene	14.810	165	917790	40.864	ng		93
58) Fluorene	15.522	166	3409197	38.055	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.093	232	866459	42.310	ng		99
60) Diethylphthalate	15.293	149	3461071	37.752	ng		99
61) 4-Chlorophenyl-phenyle...	15.528	204	1795669	38.777	ng		98
62) 4-Nitroaniline	15.534	138	685273	38.254	ng		99
63) Azobenzene	15.828	77	4263599	37.833	ng		99
65) 4,6-Dinitro-2-methylph...	15.593	198	343500	46.281	ng		99
66) n-Nitrosodiphenylamine	15.734	169	2863059	42.093	ng		100
67) 4-Bromophenyl-phenylether	16.440	248	1135965	42.289	ng		99
68) Hexachlorobenzene	16.551	284	1306627	41.161	ng		97
69) Atrazine	16.710	200	907263	38.851	ng		99
70) Pentachlorophenol	16.898	266	770079	44.446	ng		100
71) Phenanthrene	17.298	178	4826486	39.541	ng		100
72) Anthracene	17.398	178	4745227	39.639	ng		100
73) Carbazole	17.675	167	4321248	37.457	ng		99
74) Di-n-butylphthalate	18.281	149	5456093	38.509	ng		100
75) Fluoranthene	19.386	202	5434874	36.288	ng		99
77) Benzidine	19.569	184	1367550	30.320	ng		99
78) Pyrene	19.763	202	5438173	43.044	ng		100
80) Butylbenzylphthalate	20.710	149	1972270	41.647	ng		97
81) Benzo(a)anthracene	21.692	228	4874495	40.172	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	1592617	40.936	ng		100
83) Chrysene	21.763	228	4554886	39.759	ng		100
84) Bis(2-ethylhexyl)phtha...	21.657	149	3111178	43.381	ng		100
85) Di-n-octyl phthalate	22.974	149	4908258	39.871	ng		100
87) Indeno(1,2,3-cd)pyrene	28.986	276	5668848m	41.105	ng		
88) Benzo(b)fluoranthene	24.039	252	4934155	40.381	ng		99
89) Benzo(k)fluoranthene	24.121	252	4765945	39.984	ng		99
90) Benzo(a)pyrene	24.968	252	4311183	40.657	ng		100
91) Dibenzo(a,h)anthracene	29.104	278	4717815	41.172	ng		99
92) Benzo(g,h,i)perylene	30.203	276	4769954	41.532	ng		99

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

ICAL Form

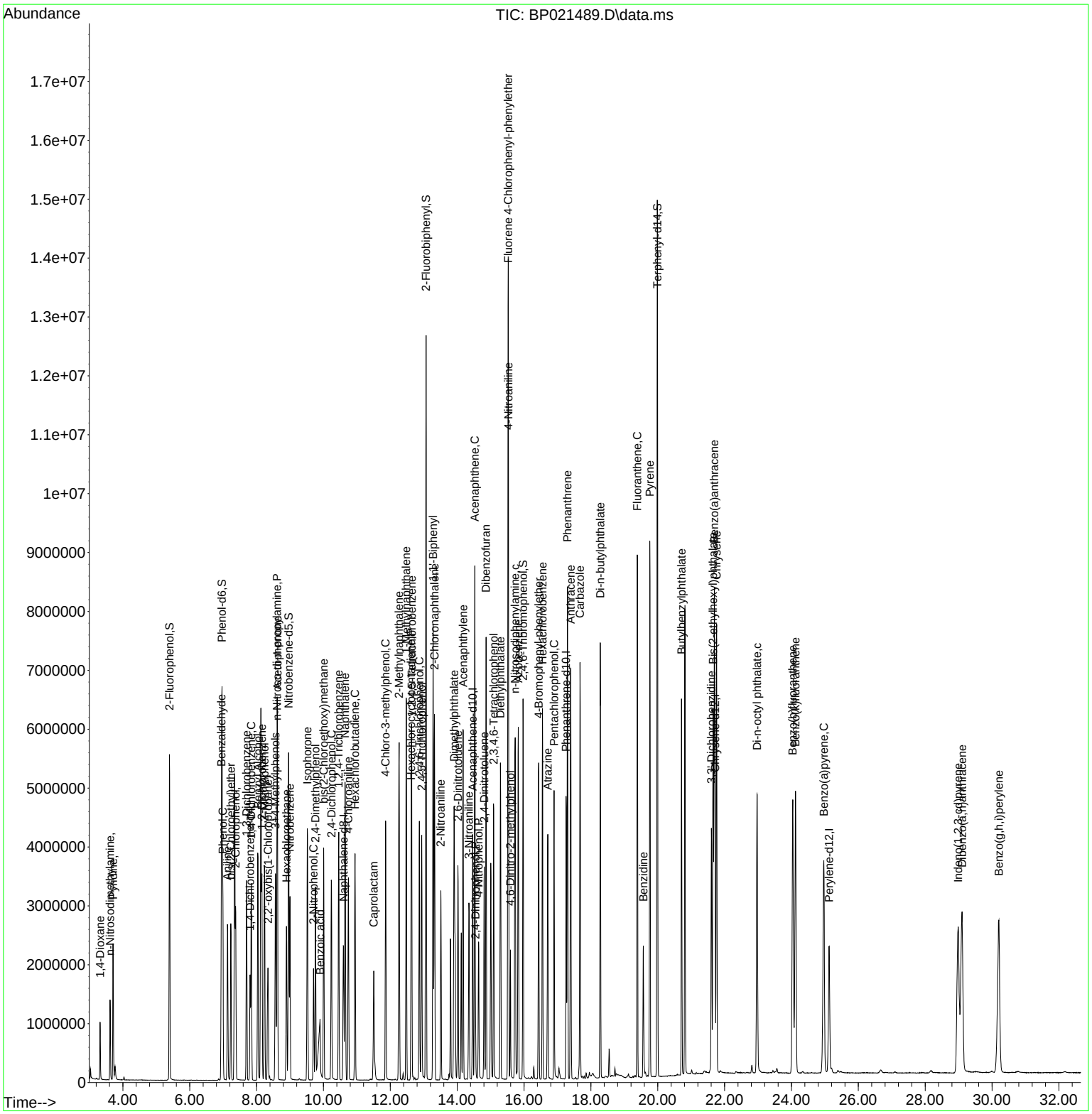
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

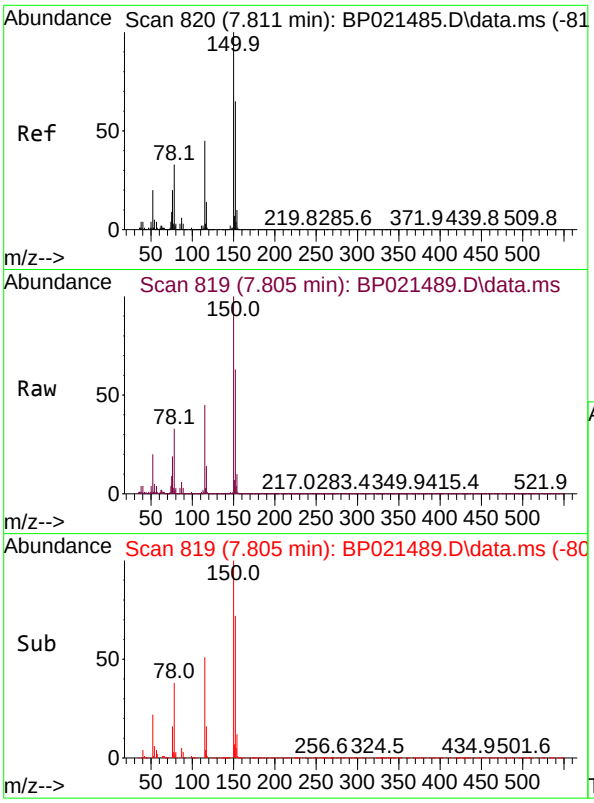
Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

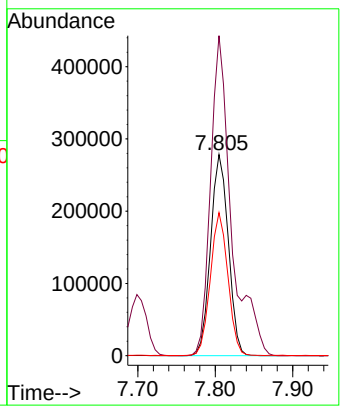




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:152 Resp: 44342

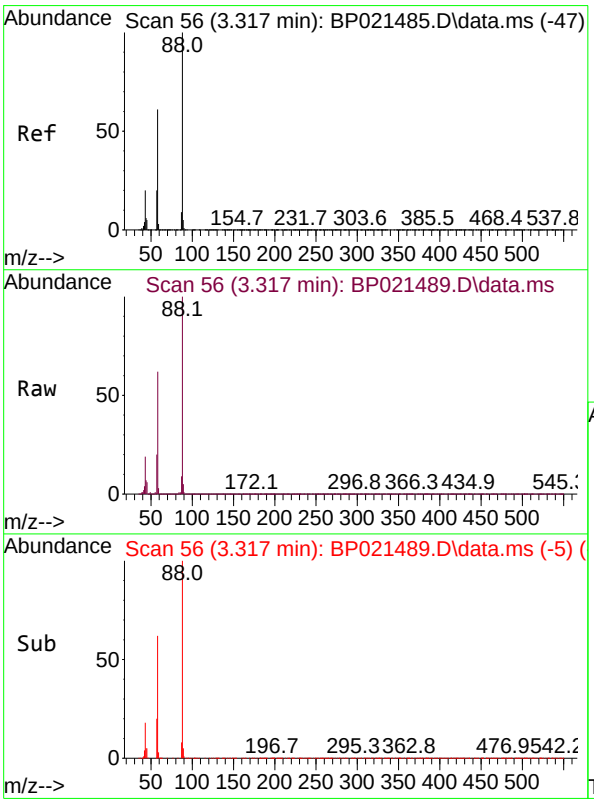
Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.4	183.6
115	71.2	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

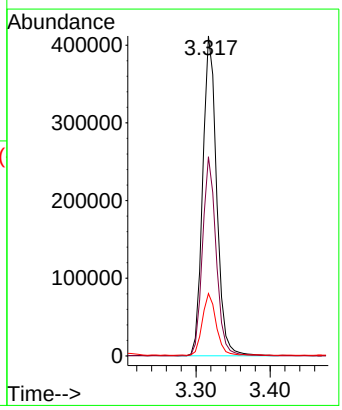
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

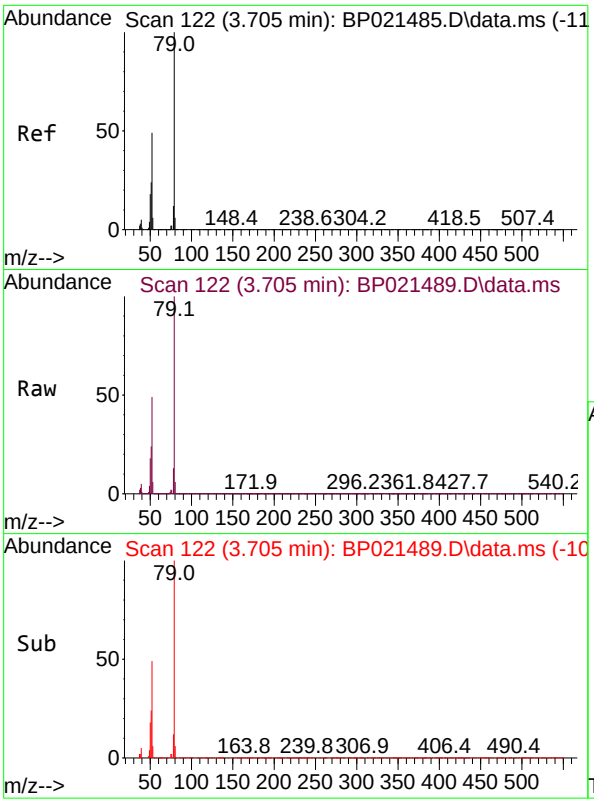


#2
1,4-Dioxane
Concen: 37.948 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 88 Resp: 537338

Ion	Ratio	Lower	Upper
88	100		
58	61.0	48.7	73.1
43	19.3	15.4	23.2

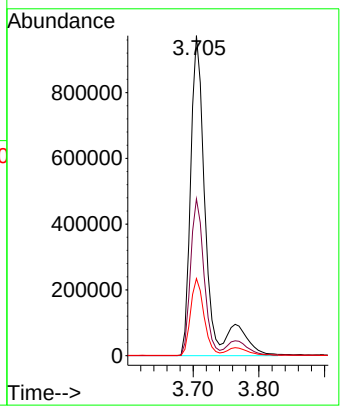




#3
Pyridine
Concen: 40.445 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 79 Resp: 159873

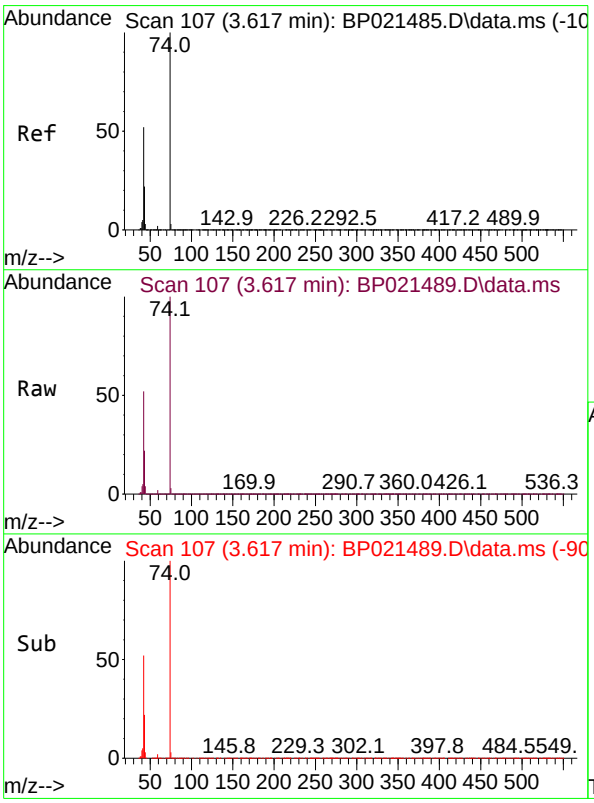
Ion	Ratio	Lower	Upper
79	100		
52	49.0	39.0	58.6
51	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

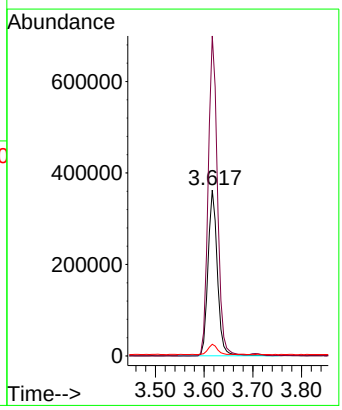
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

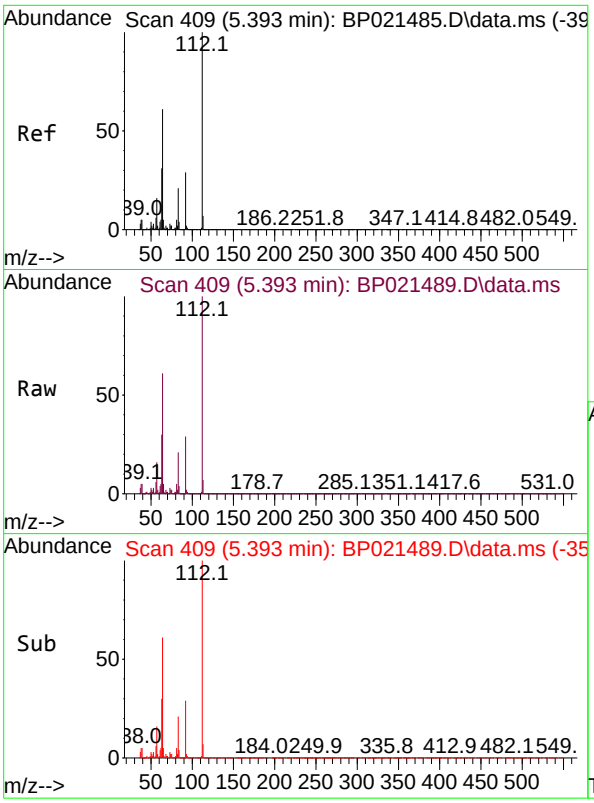


#4
n-Nitrosodimethylamine
Concen: 40.233 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 42 Resp: 478013

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	7.0	6.2	9.4





#5
2-Fluorophenol
Concen: 80.810 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:112 Resp: 241320

Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.0	73.6
63	30.5	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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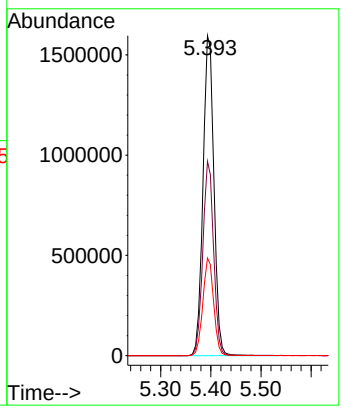
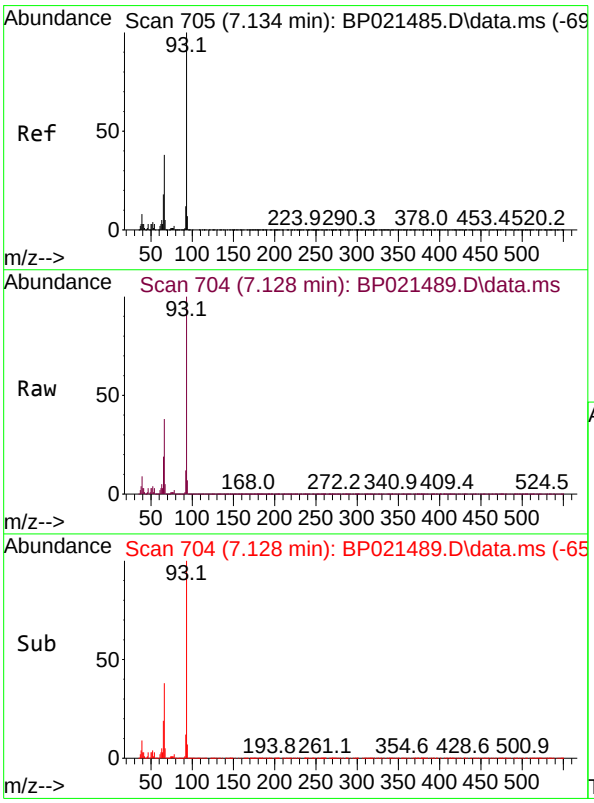
Supervised By :mohammad ahmed 08/14/2024

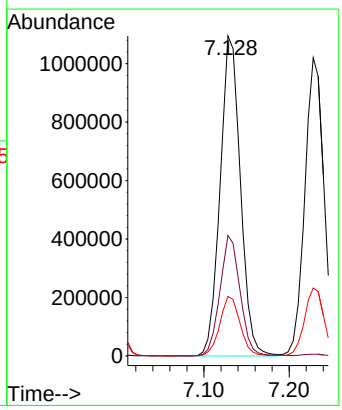


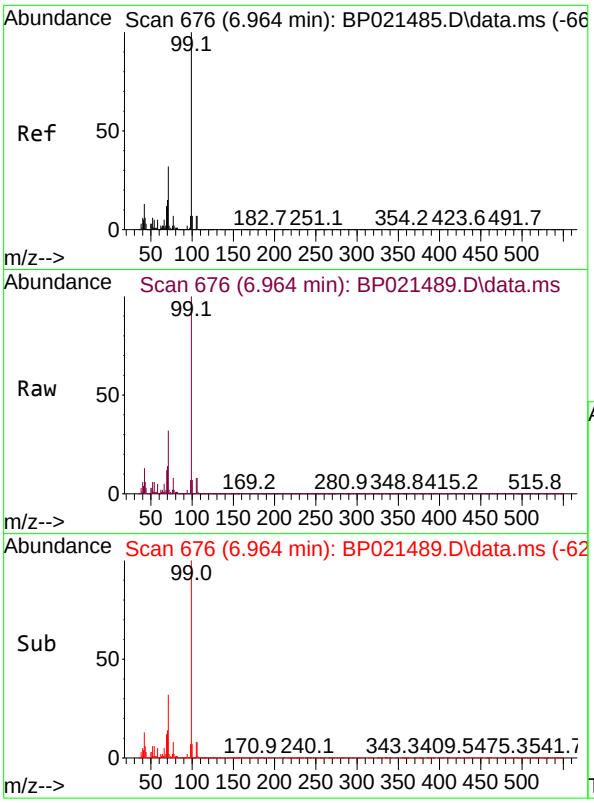


#6
Aniline
Concen: 41.596 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 1811514

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.6	14.7	22.1

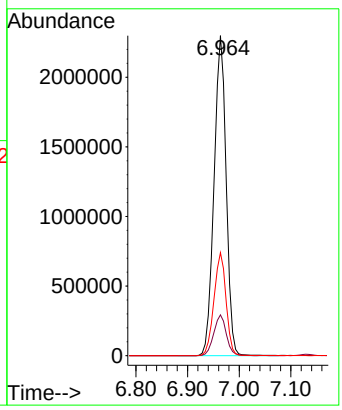




#7
Phenol-d6
Concen: 85.856 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 99 Resp: 374015

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.2	25.8	38.8



Instrument :
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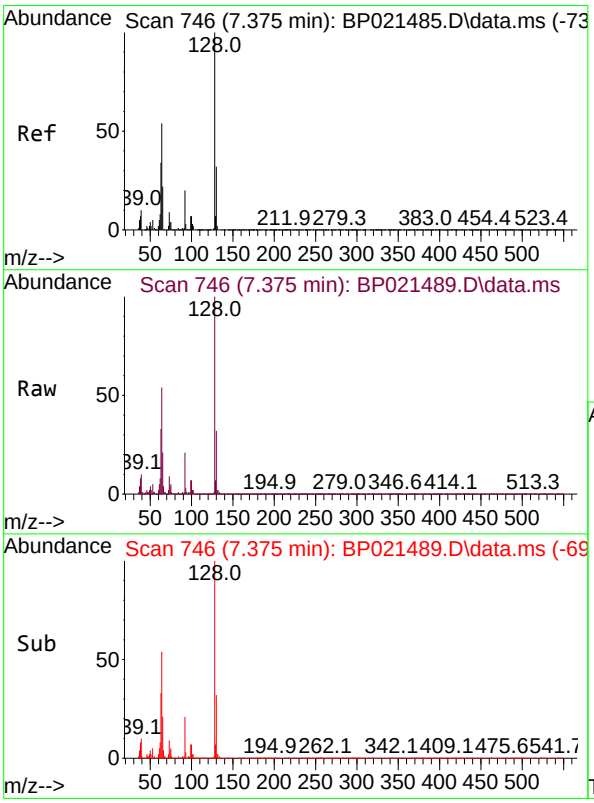
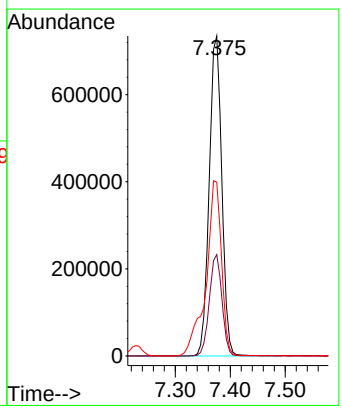
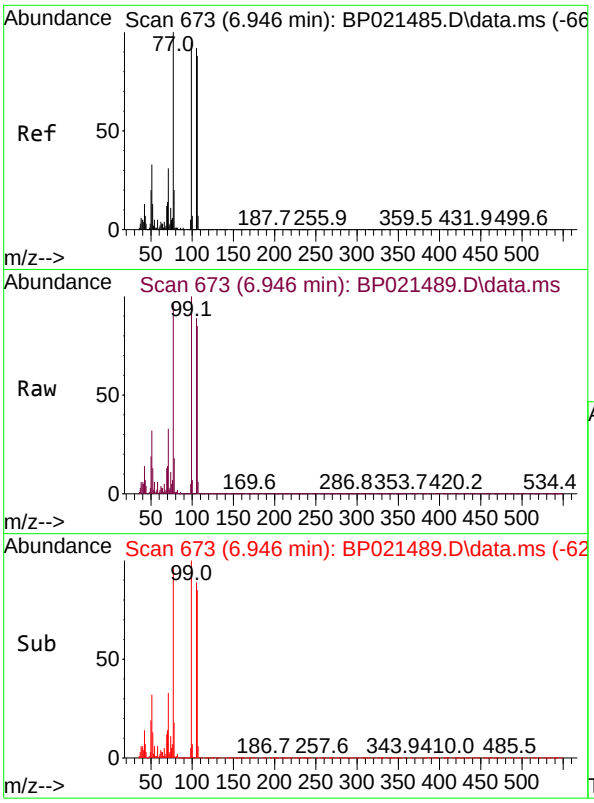


#8
2-Chlorophenol
Concen: 42.300 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 1167341

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	54.4	35.3	75.3

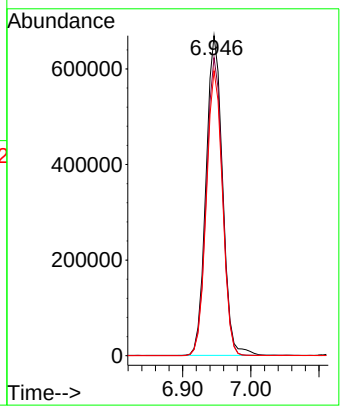




#9
Benzaldehyde
Concen: 40.434 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 112779

Ion	Ratio	Lower	Upper
77	100		
105	93.2	72.1	112.1
106	89.0	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
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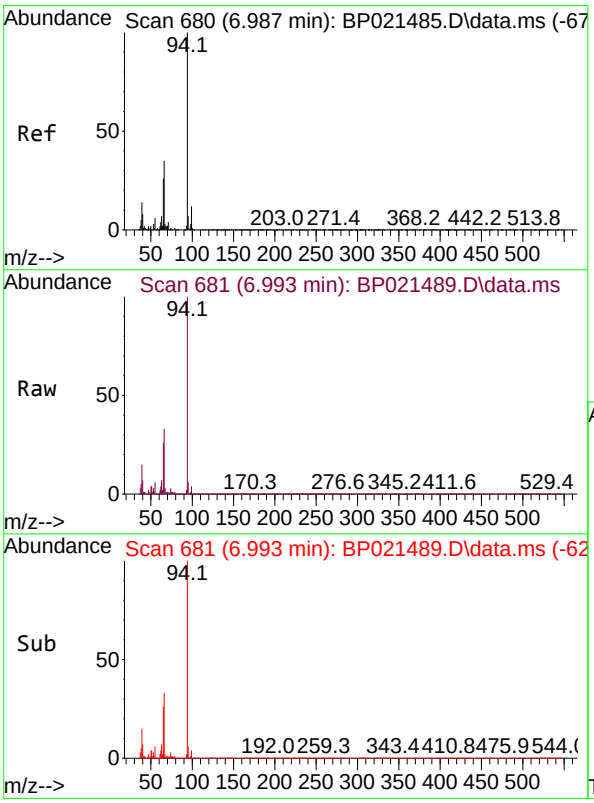
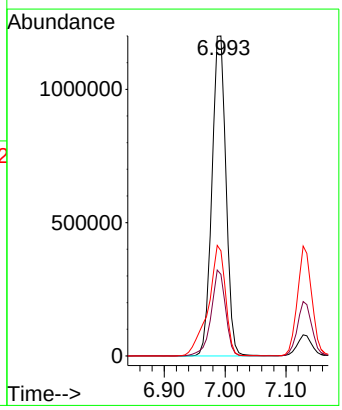
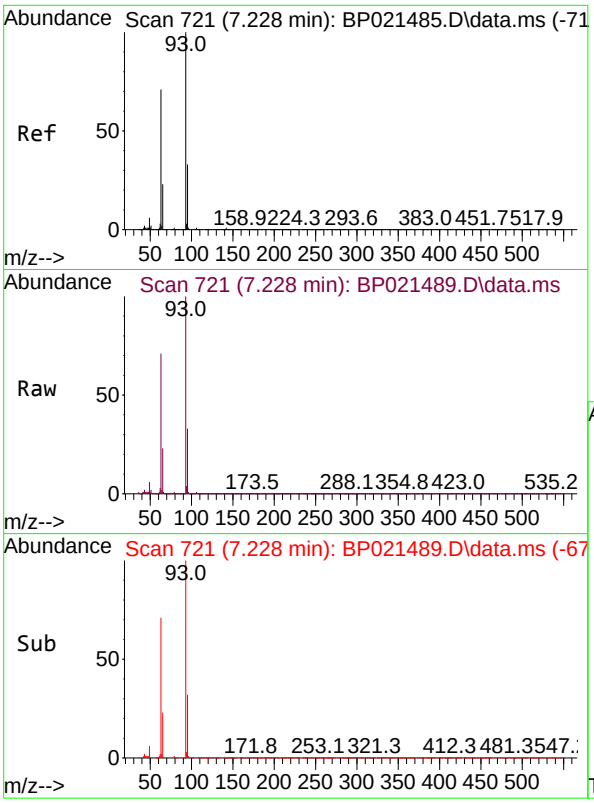


#10
Phenol
Concen: 42.607 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 94 Resp: 1922019

Ion	Ratio	Lower	Upper
94	100		
65	25.5	6.5	46.5
66	32.9	14.7	54.7

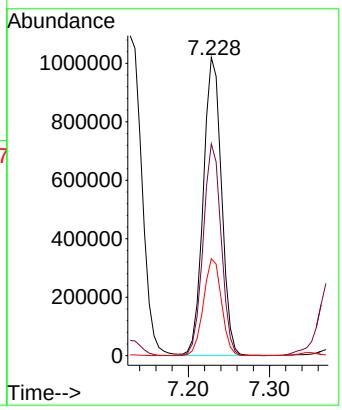




#11
bis(2-Chloroethyl)ether
Concen: 41.543 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 158575

Ion	Ratio	Lower	Upper
93	100		
63	71.1	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
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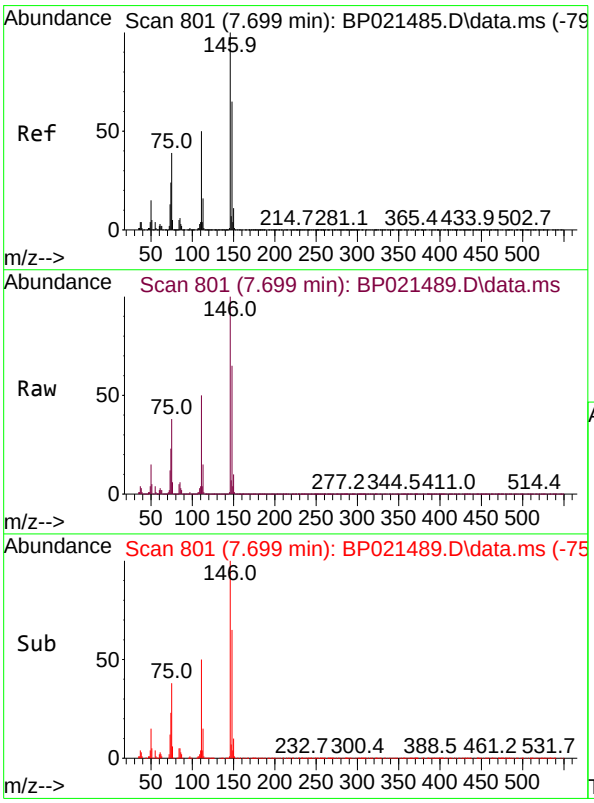
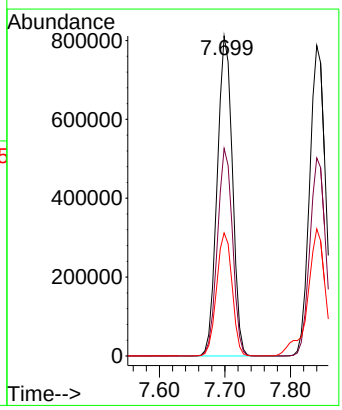
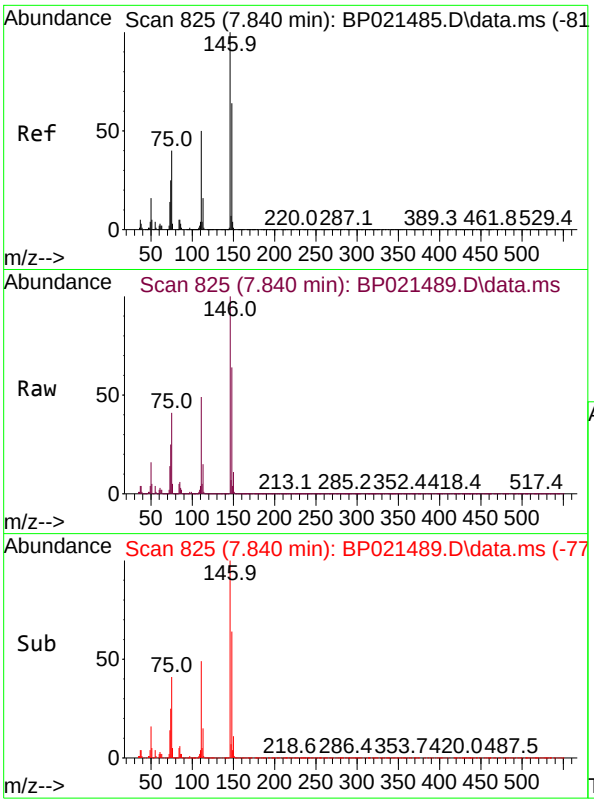


#12
1,3-Dichlorobenzene
Concen: 39.674 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1300530

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	38.5	31.3	46.9

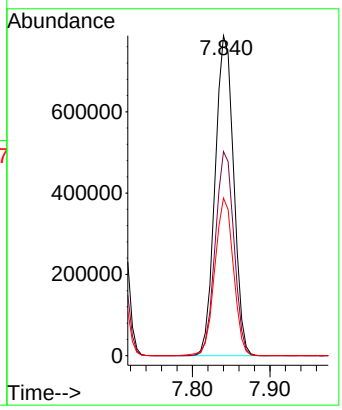




#13
1,4-Dichlorobenzene
Concen: 39.564 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 130960

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.5	77.3
111	49.2	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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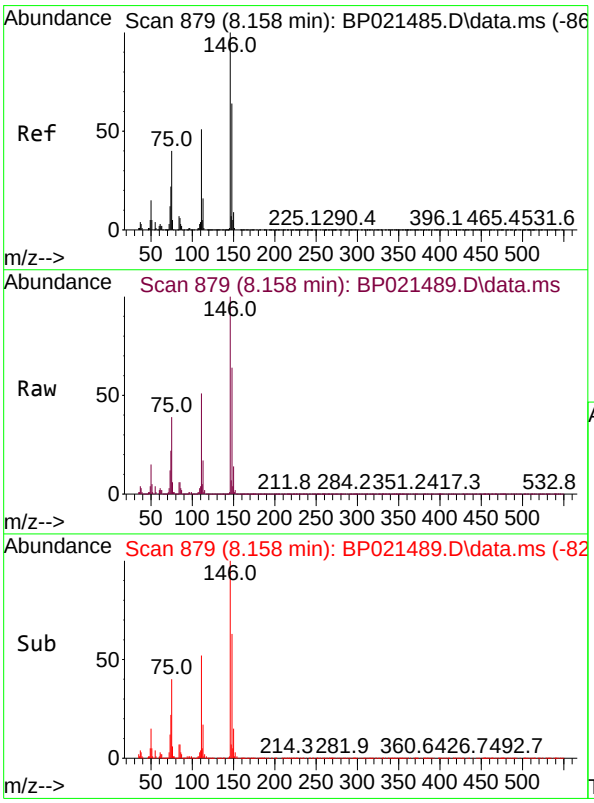
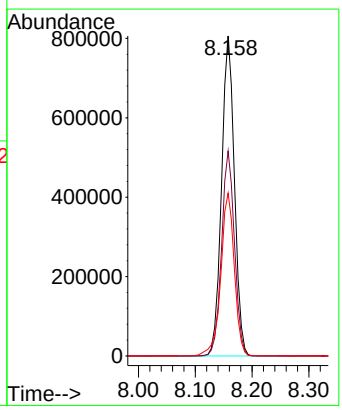
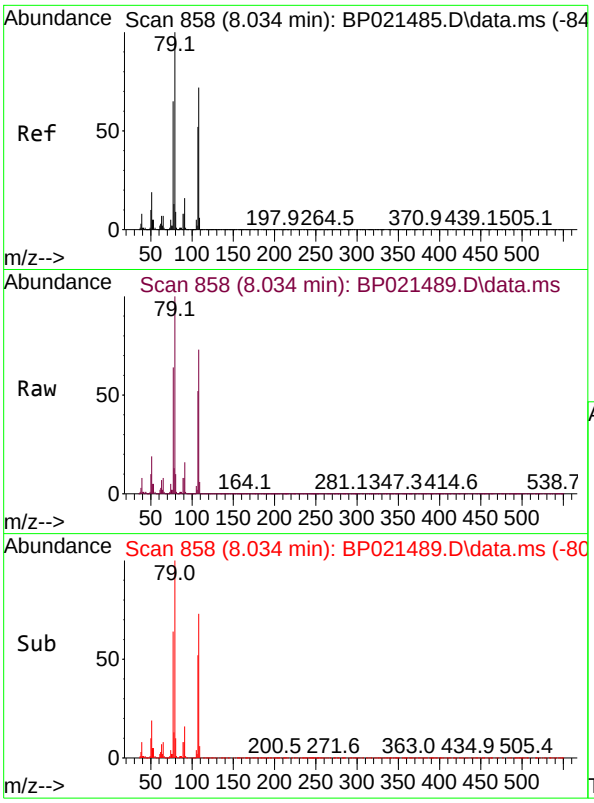


#14
1,2-Dichlorobenzene
Concen: 39.873 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1271884

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	50.9	41.1	61.7





#15
Benzyl Alcohol
Concen: 44.472 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 79 Resp: 139005

Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.9	86.9
77	64.0	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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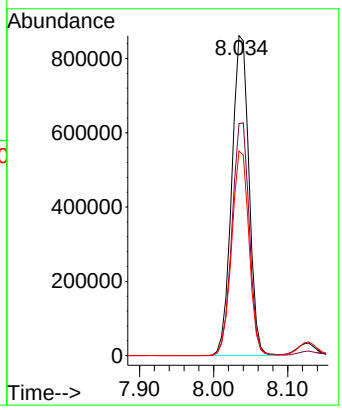
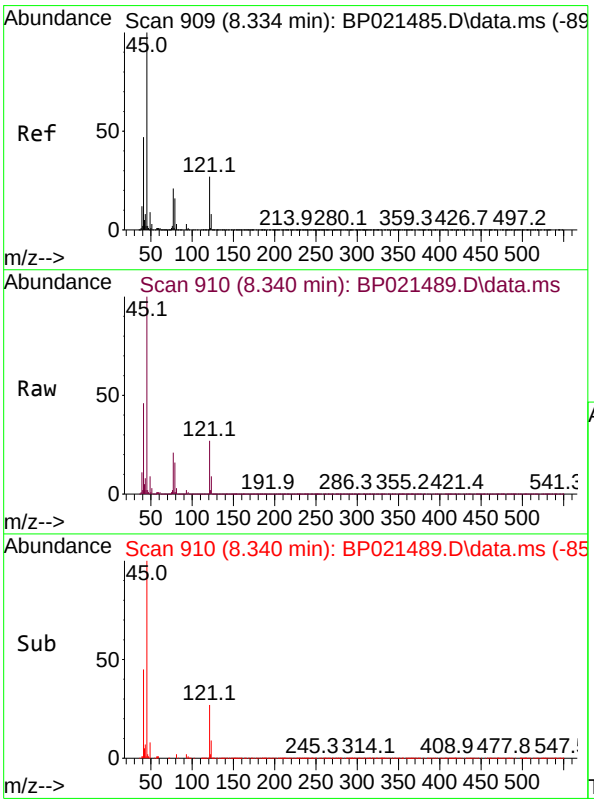
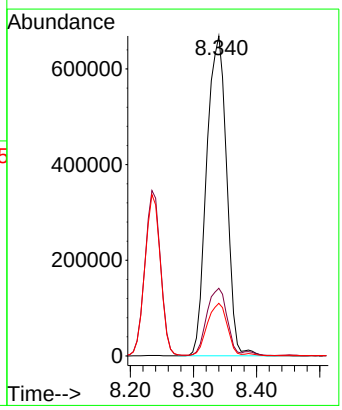


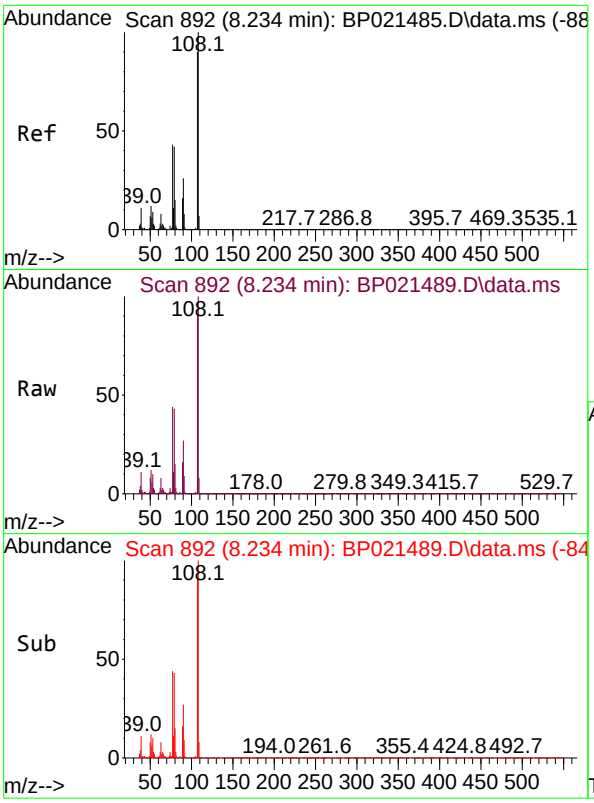


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.875 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 45 Resp: 1471975

Ion	Ratio	Lower	Upper
45	100		
77	21.1	1.9	41.9
79	16.5	0.0	36.6

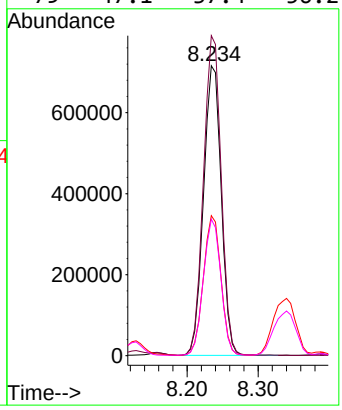




#17
2-Methylphenol
Concen: 43.687 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 124587

Ion	Ratio	Lower	Upper
107	100		
108	110.4	88.8	133.2
77	48.3	38.7	58.1
79	47.1	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
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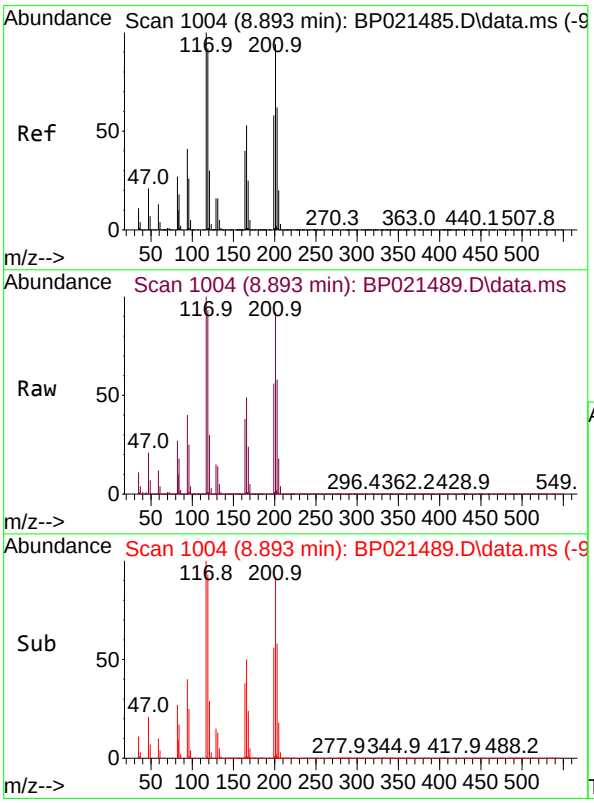
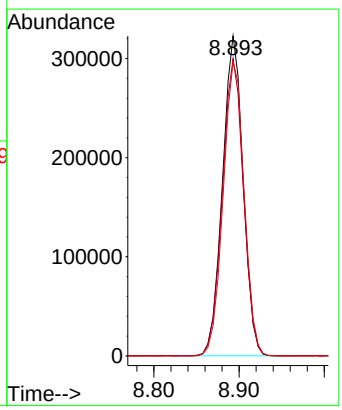
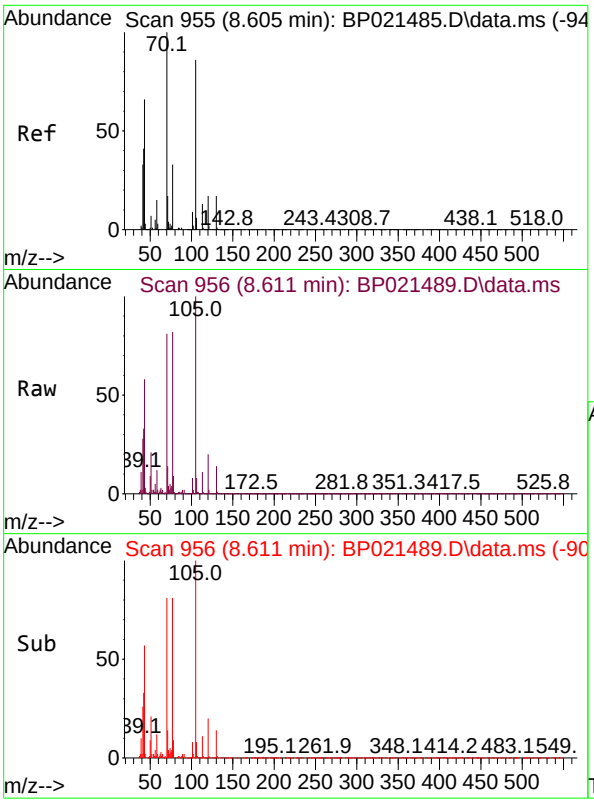


#18
Hexachloroethane
Concen: 40.755 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:117 Resp: 540967

Ion	Ratio	Lower	Upper
117	100		
119	92.9	73.9	110.9
201	91.9	74.9	112.3

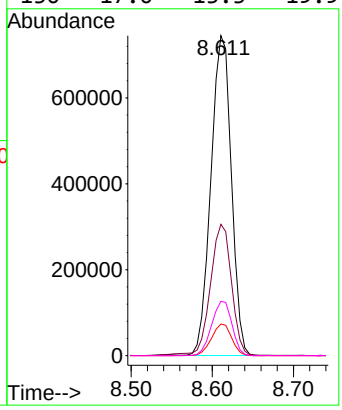




#19
n-Nitroso-di-n-propylamine
Concen: 43.304 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 70 Resp: 130312

Ion	Ratio	Lower	Upper
70	100		
42	41.1	33.1	49.7
101	9.9	7.4	11.2
130	17.0	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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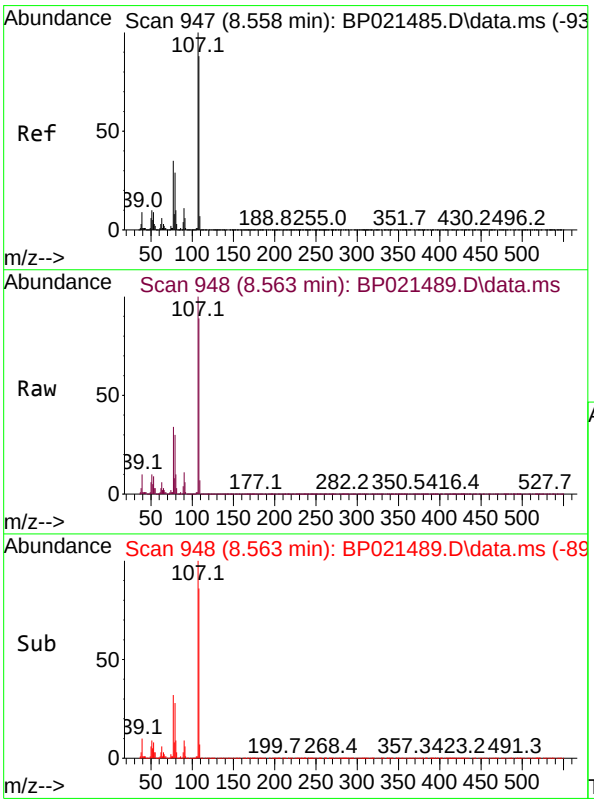
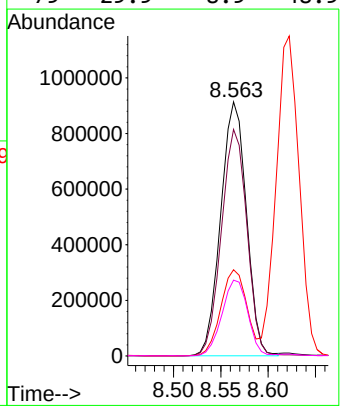
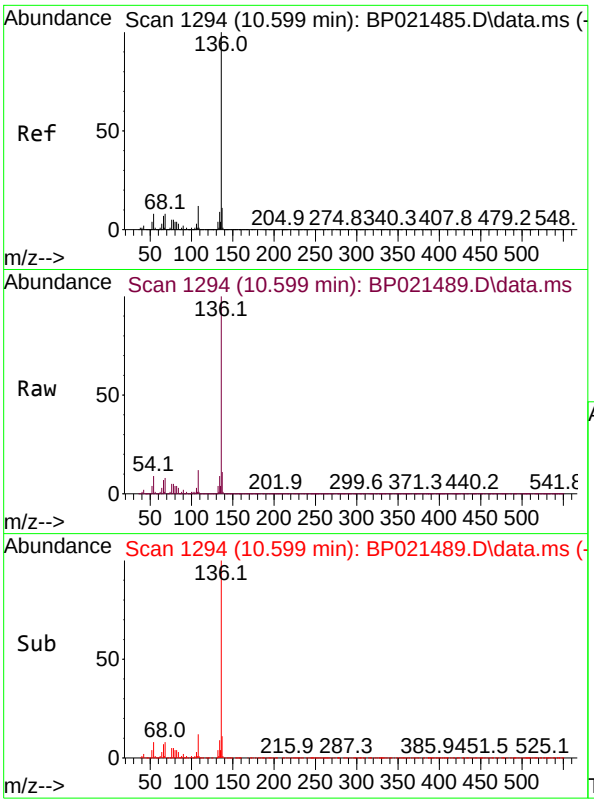


#20
3+4-Methylphenols
Concen: 44.850 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1724643

Ion	Ratio	Lower	Upper
107	100		
108	89.2	67.6	107.6
77	34.0	15.0	55.0
79	29.9	8.9	48.9

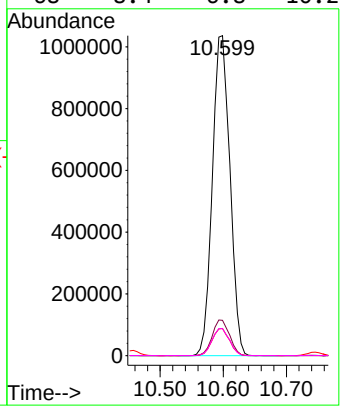




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:136 Resp: 200040

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.5	6.3	9.5
68	8.4	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
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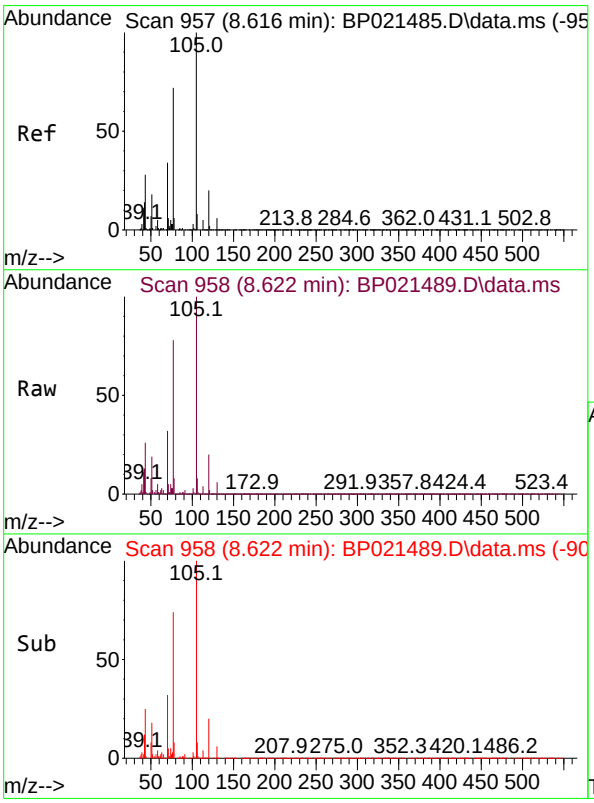
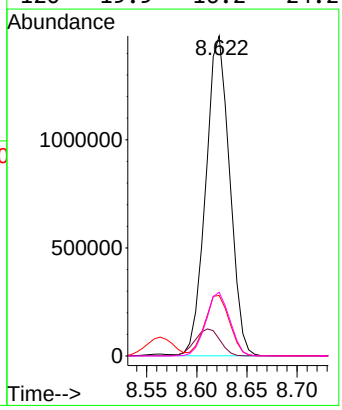
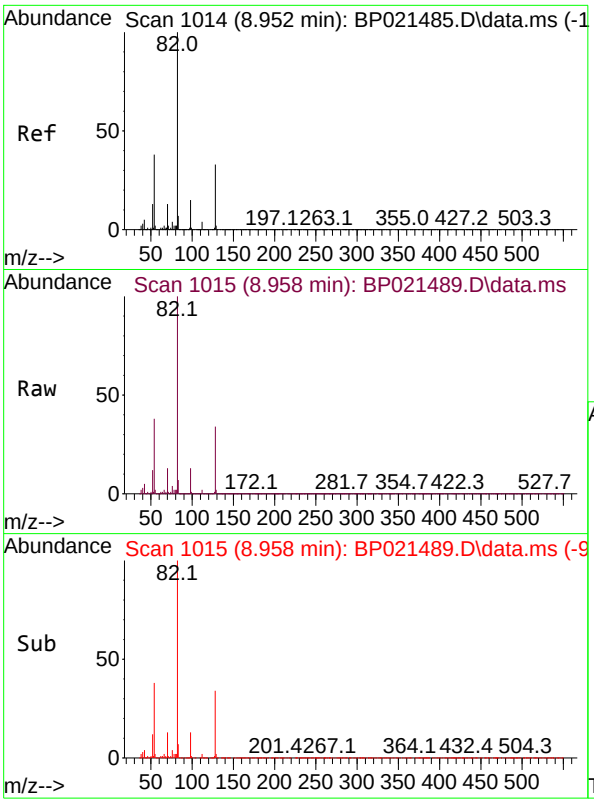


#22
Acetophenone
Concen: 39.936 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:105 Resp: 2454249

Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.6	7.0
51	18.9	16.3	24.5
120	19.9	16.2	24.2

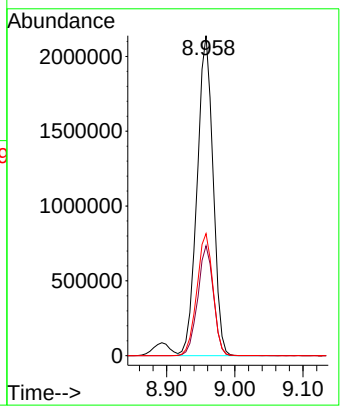




#23
Nitrobenzene-d5
Concen: 89.361 ng
RT: 8.958 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 346332(

Ion	Ratio	Lower	Upper
82	100		
128	34.4	26.5	39.7
54	38.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
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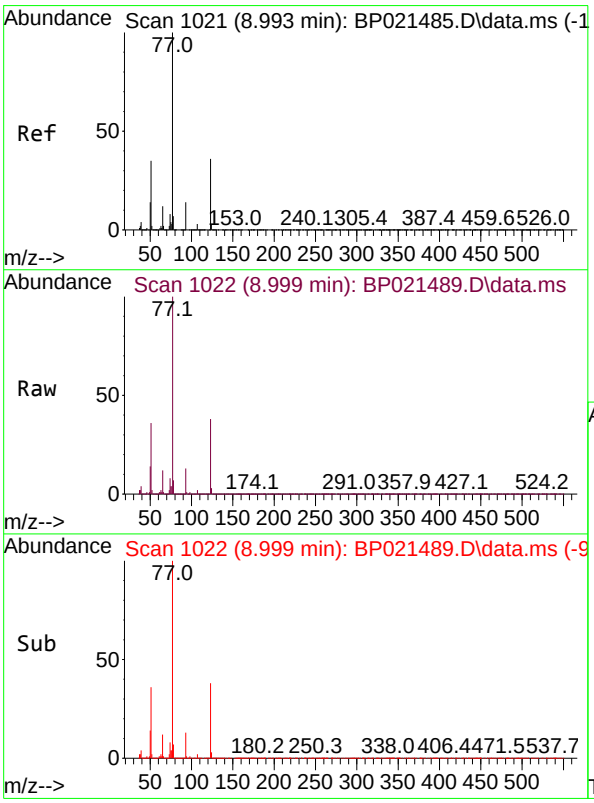
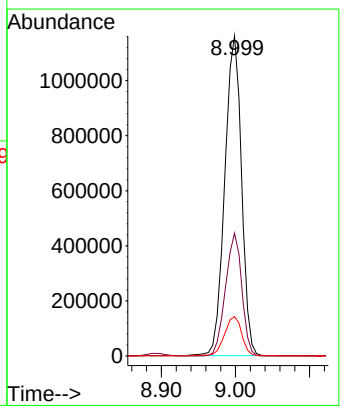
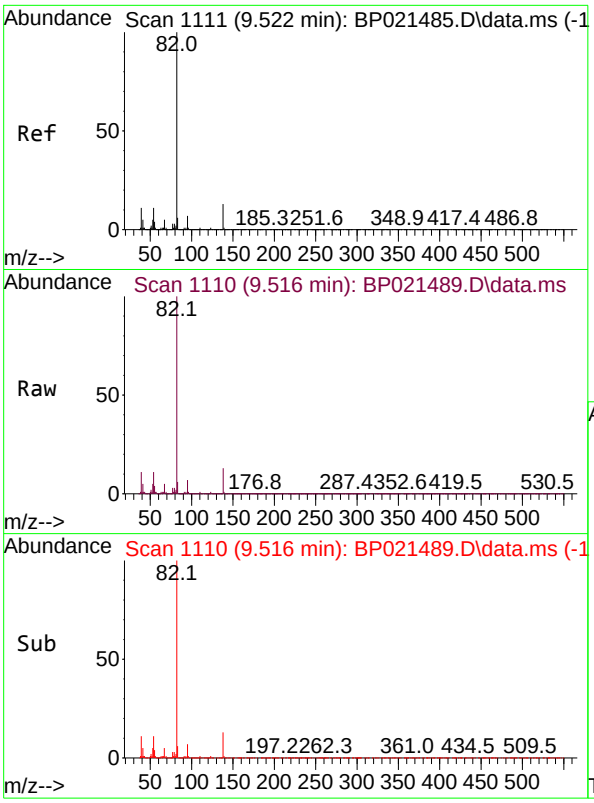


#24
Nitrobenzene
Concen: 43.244 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 1820293

Ion	Ratio	Lower	Upper
77	100		
123	38.4	29.5	44.3
65	12.3	9.9	14.9

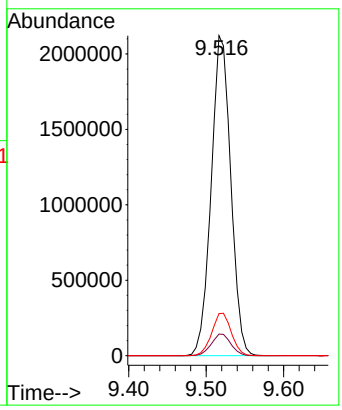




#25
Isophorone
Concen: 40.700 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 372649

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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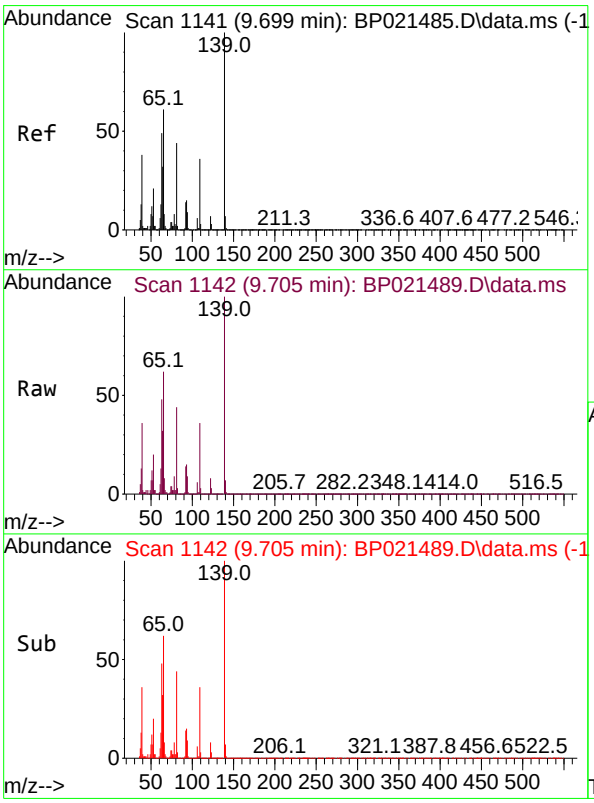
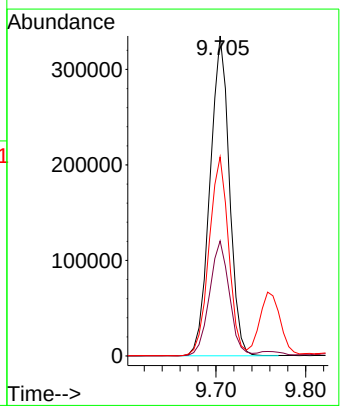
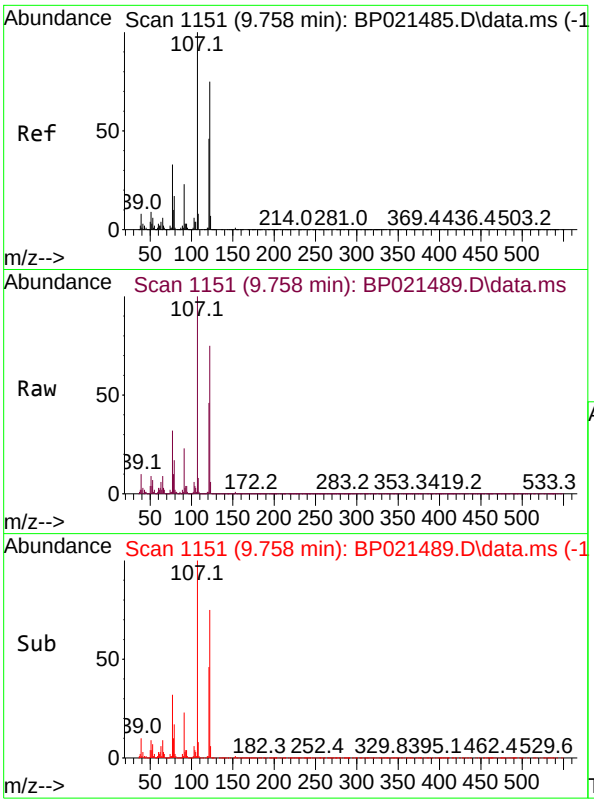


#26
2-Nitrophenol
Concen: 47.780 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 501343

Ion	Ratio	Lower	Upper
139	100		
109	35.9	28.9	43.3
65	62.2	49.0	73.6

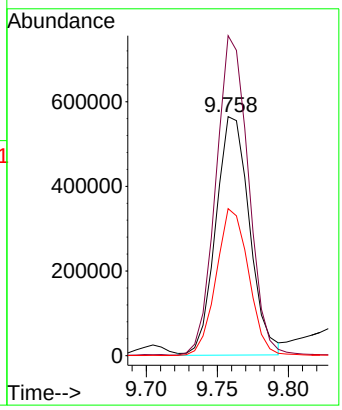




#27
2,4-Dimethylphenol
Concen: 41.179 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:122 Resp: 93047

Ion	Ratio	Lower	Upper
122	100		
107	133.8	106.2	159.4
121	61.5	48.8	73.2



Instrument :
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ClientSampleId :
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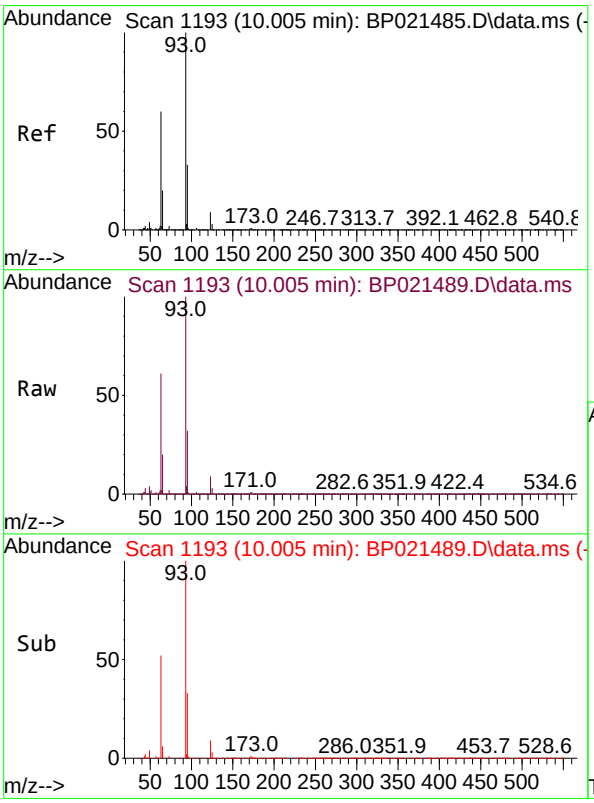
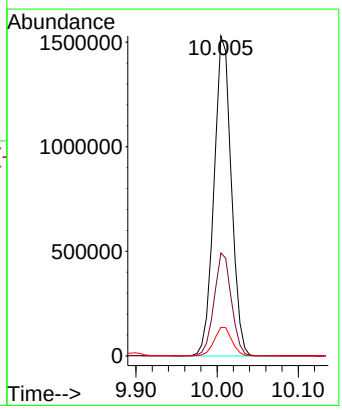
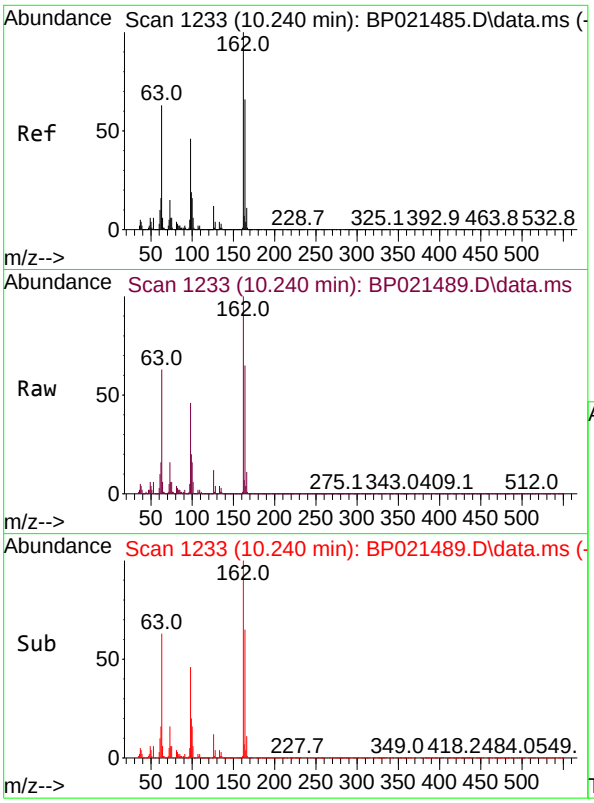


#28
bis(2-Chloroethoxy)methane
Concen: 40.438 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 2260063

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	8.9	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 43.442 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 115980

Ion	Ratio	Lower	Upper
162	100		
164	65.1	45.9	85.9
98	46.3	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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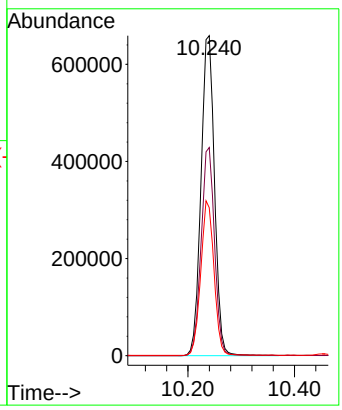
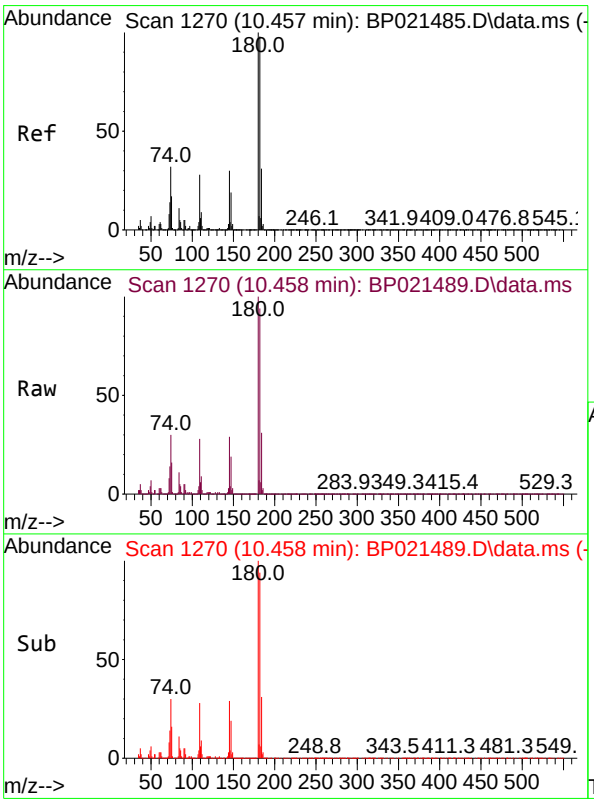
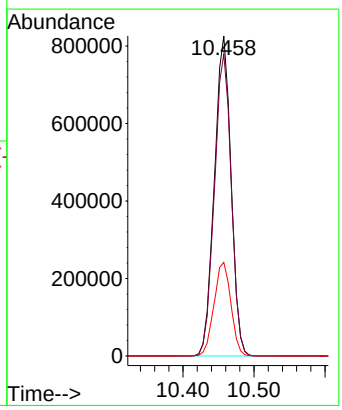


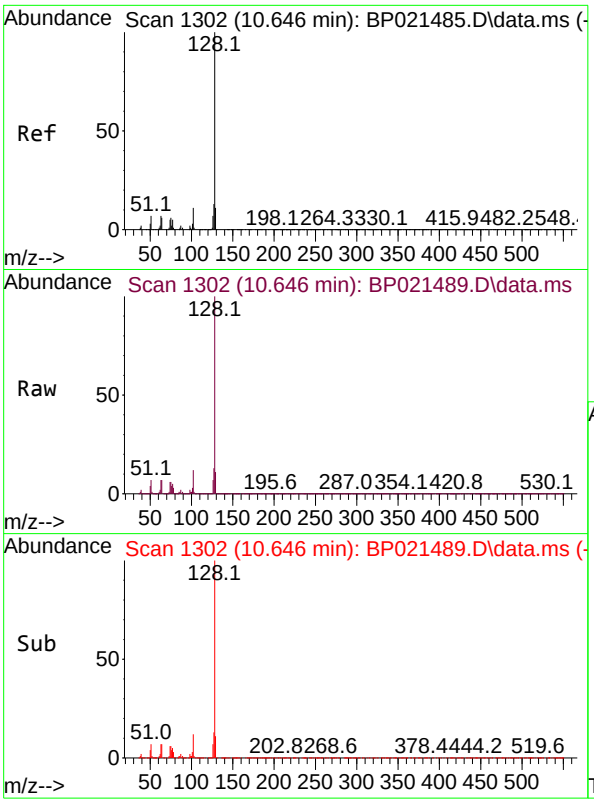


#30
1,2,4-Trichlorobenzene
Concen: 39.146 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:180 Resp: 1339874

Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.3	117.5
145	29.3	24.0	36.0

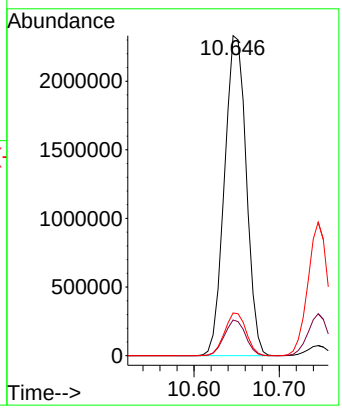




#31
Naphthalene
Concen: 39.629 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 414129

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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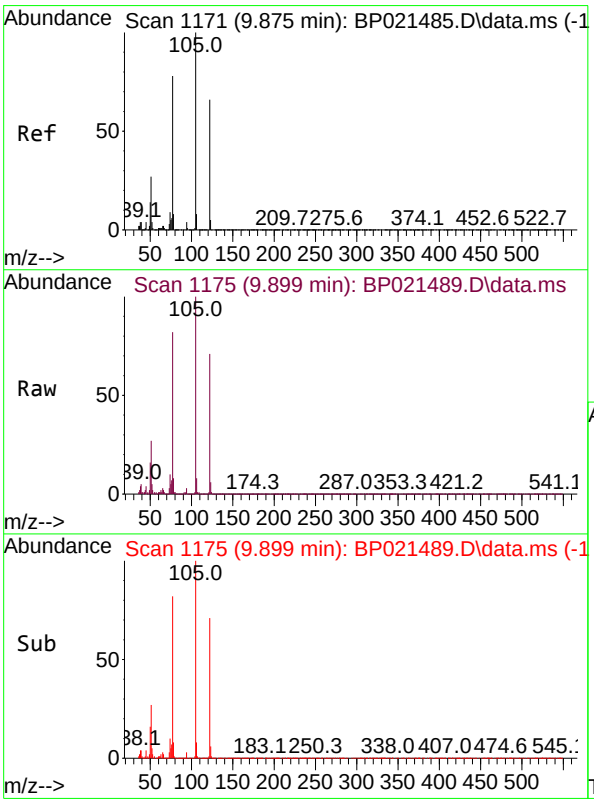
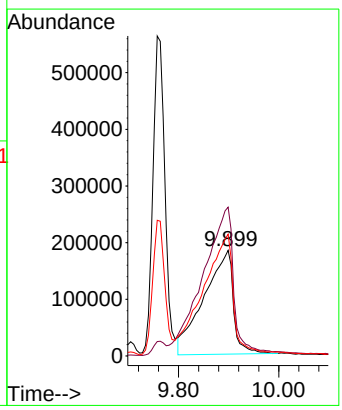
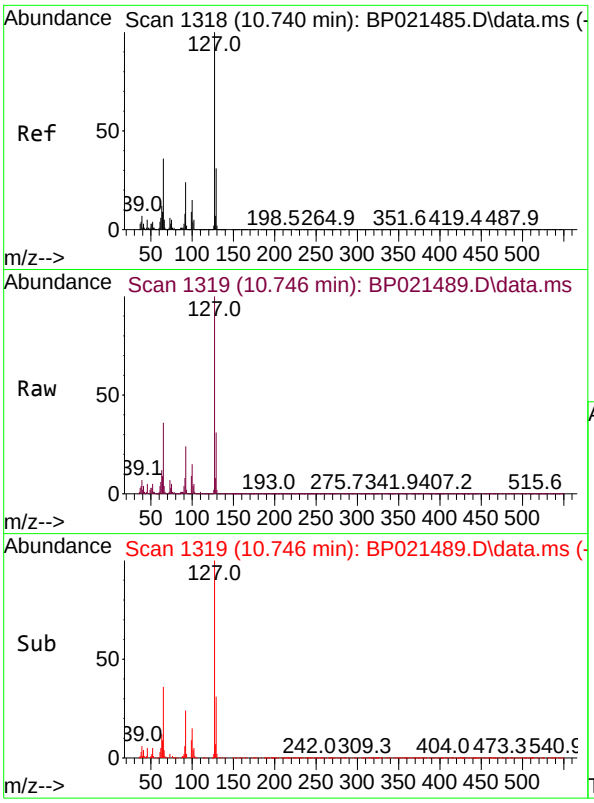


#32
Benzoic acid
Concen: 49.839 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:122 Resp: 747114

Ion	Ratio	Lower	Upper
122	100		
105	141.1	124.6	164.6
77	115.3	96.2	136.2

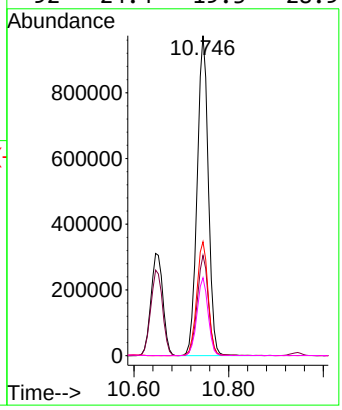




#33
4-Chloroaniline
Concen: 40.617 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:127 Resp: 159438

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.6	28.9	43.3
92	24.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
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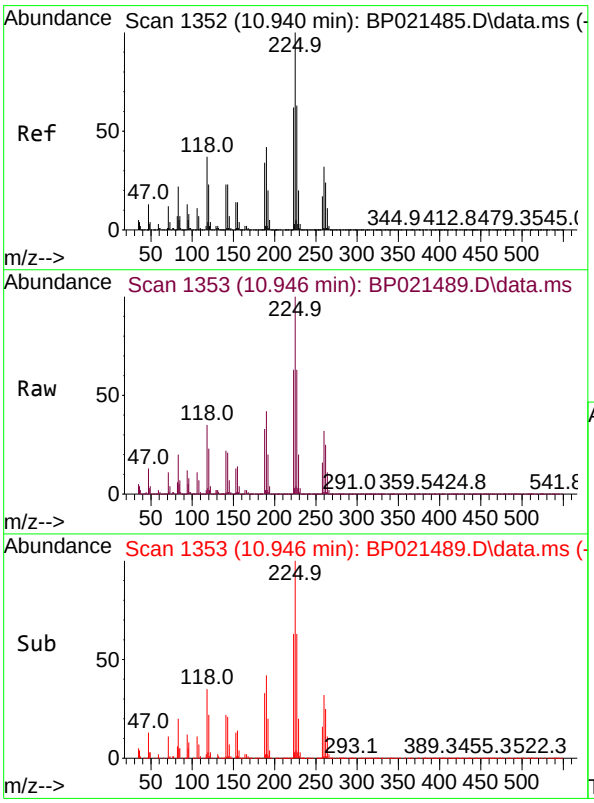
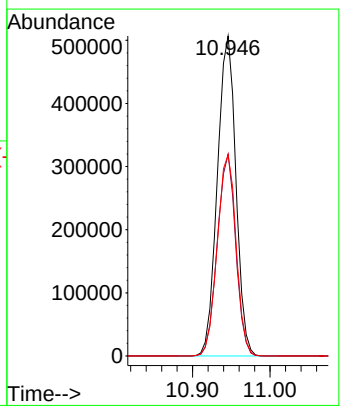
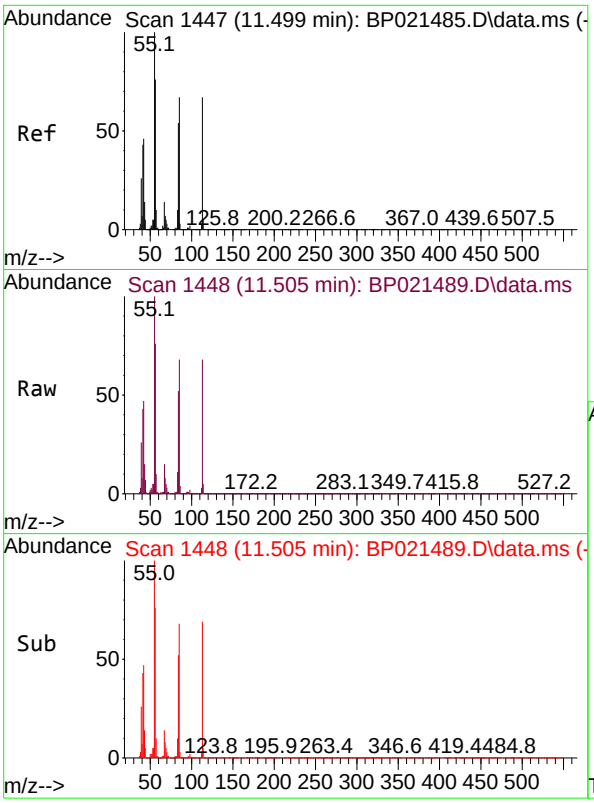


#34
Hexachlorobutadiene
Concen: 39.102 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:225 Resp: 842702

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.6	74.4
227	62.9	50.1	75.1





#35
Caprolactam
Concen: 41.786 ng
RT: 11.505 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:113 Resp: 46434

Ion	Ratio	Lower	Upper
113	100		
55	146.0	130.6	170.6
56	111.3	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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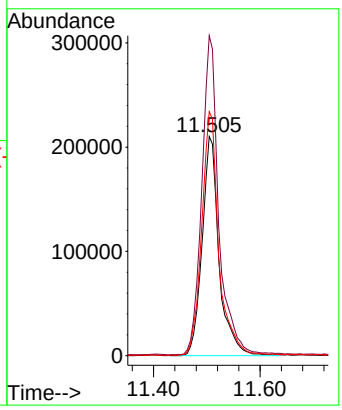
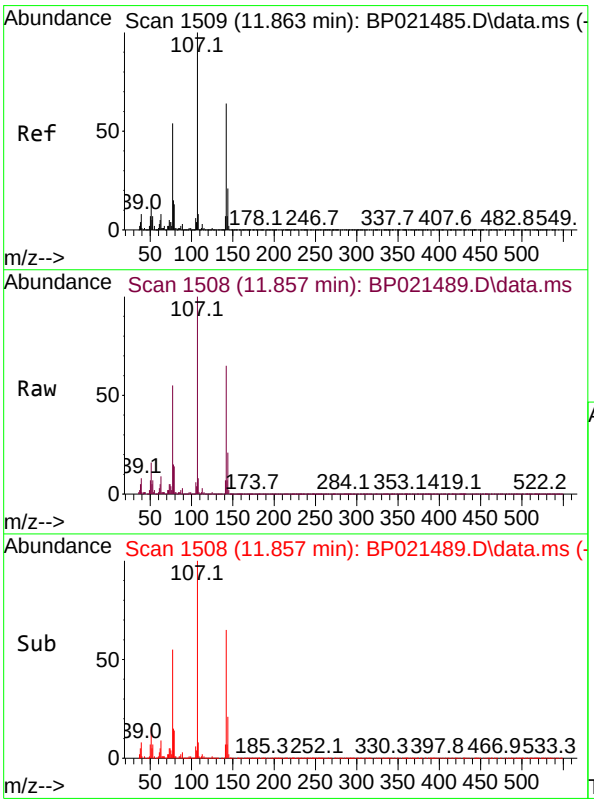
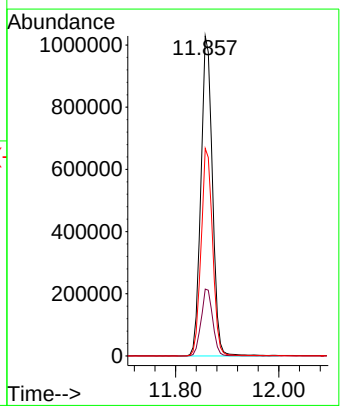


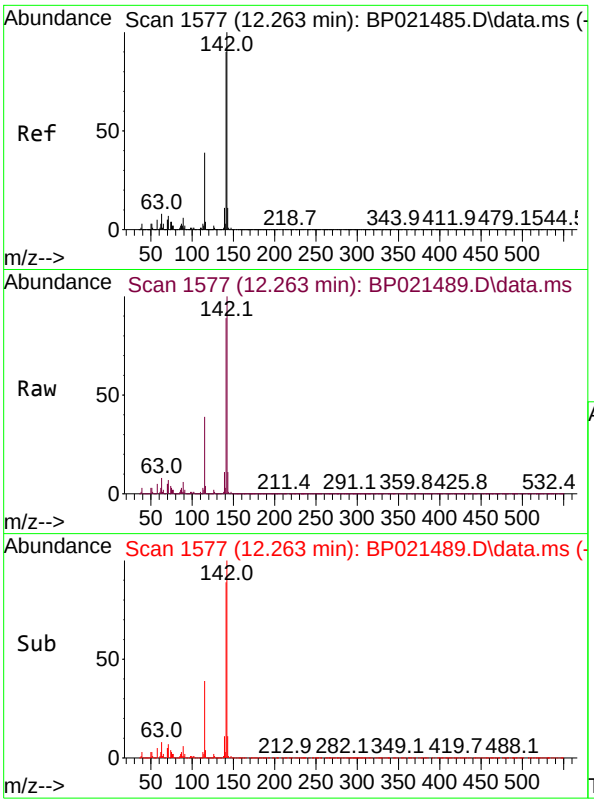


#36
4-Chloro-3-methylphenol
Concen: 42.987 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1591956

Ion	Ratio	Lower	Upper
107	100		
144	20.9	16.6	24.8
142	64.9	51.0	76.4

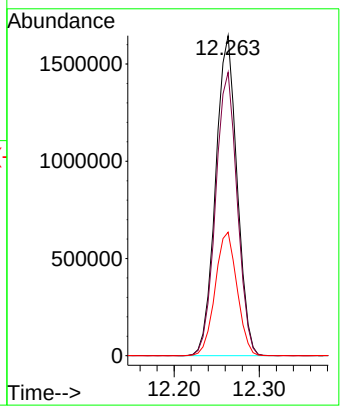




#37
2-Methylnaphthalene
Concen: 40.412 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 288223

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	38.6	31.4	47.2



Instrument :
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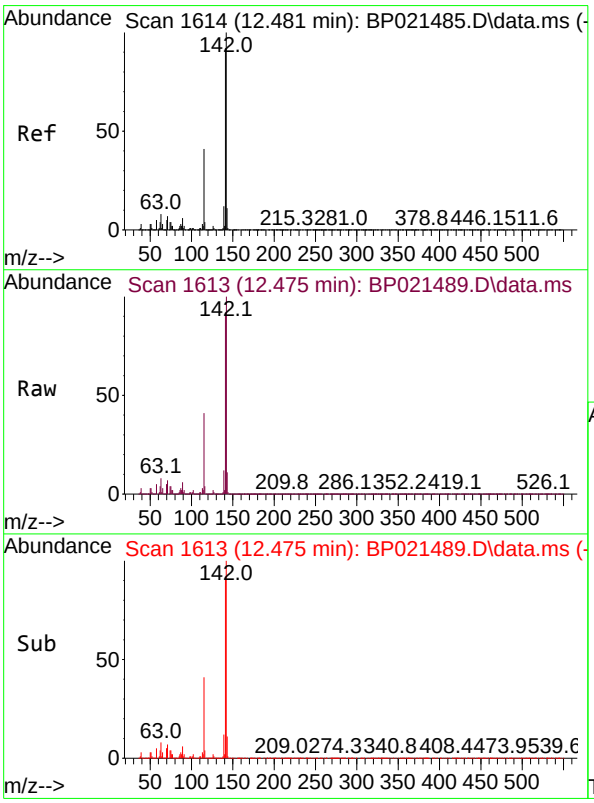
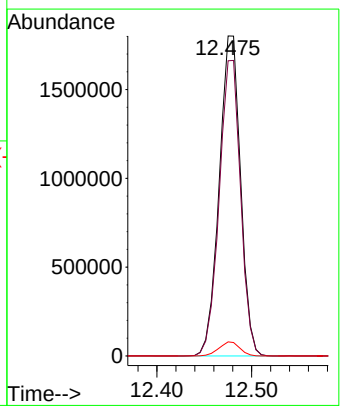
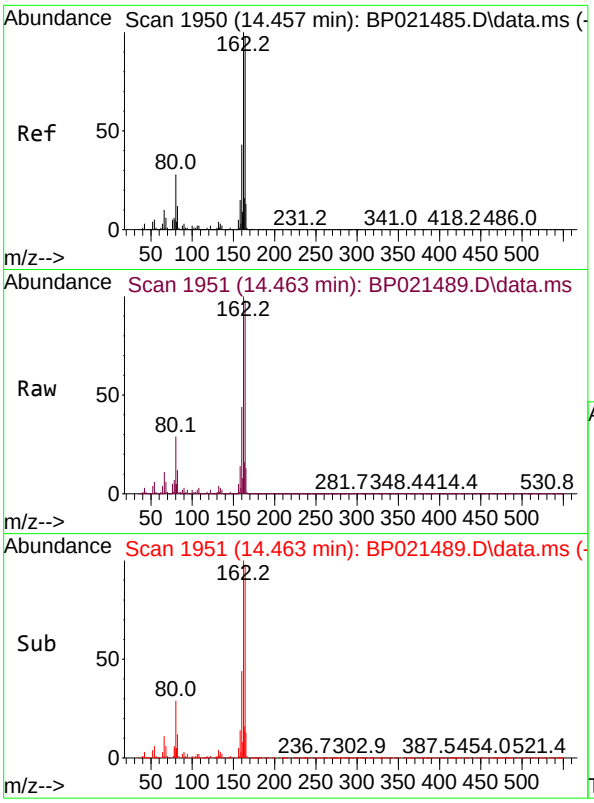


#38
1-Methylnaphthalene
Concen: 40.173 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 2825877

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.5	110.3
116	4.4	3.4	5.2

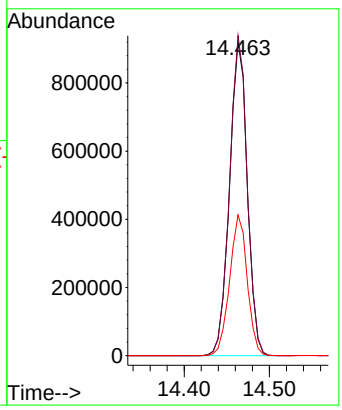




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:164 Resp: 133424

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.5	122.3
160	44.9	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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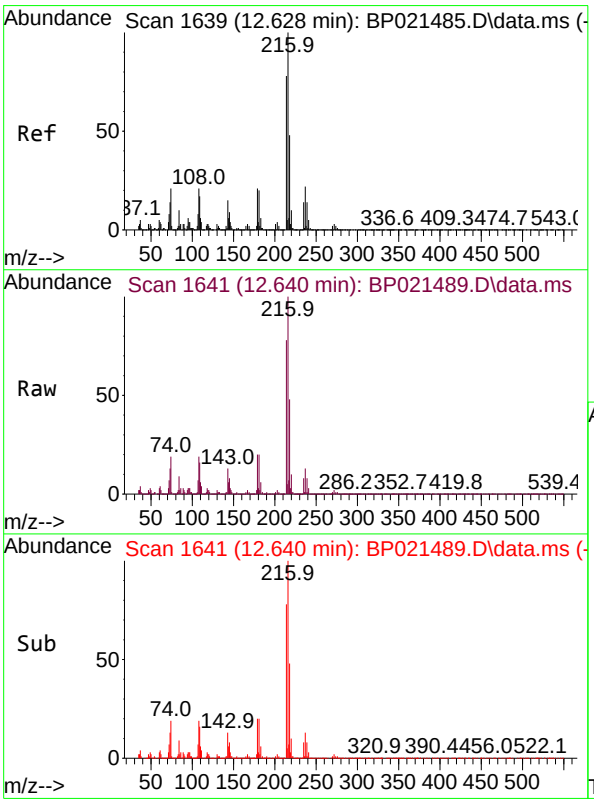
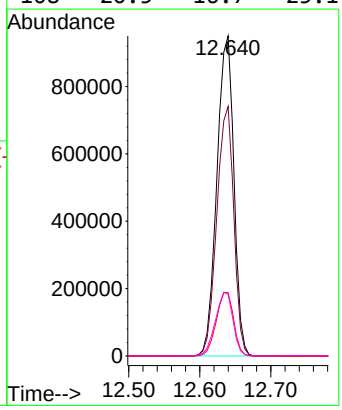
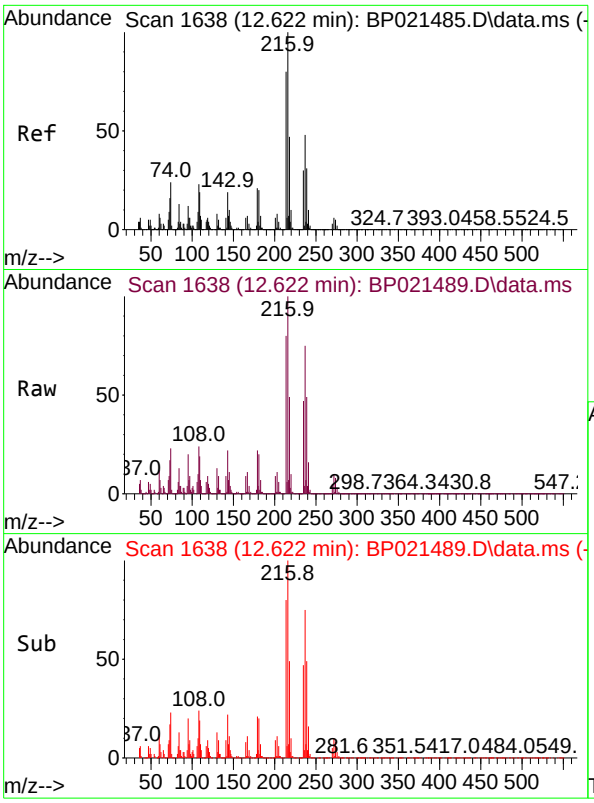


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.261 ng
RT: 12.640 min Scan# 1641
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:216 Resp: 1573947

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1

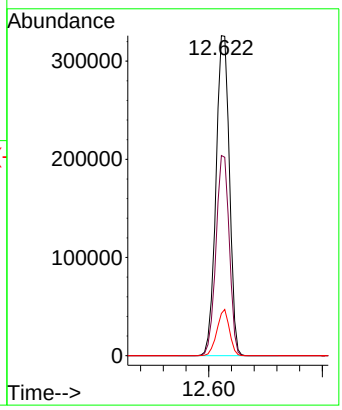




#41
Hexachlorocyclopentadiene
Concen: 43.183 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:237 Resp: 53505

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.9	83.9
272	13.2	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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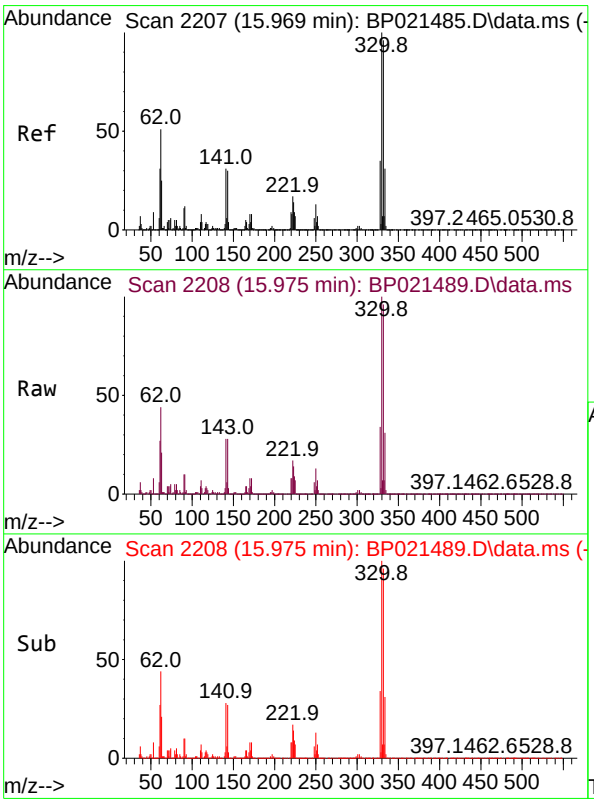
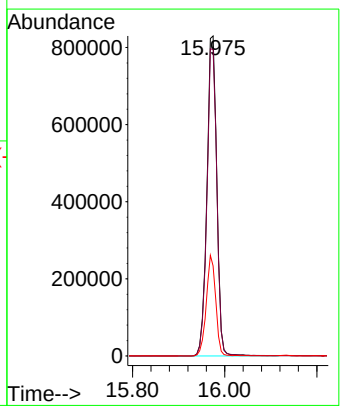
Supervised By :mohammad ahmed 08/14/2024

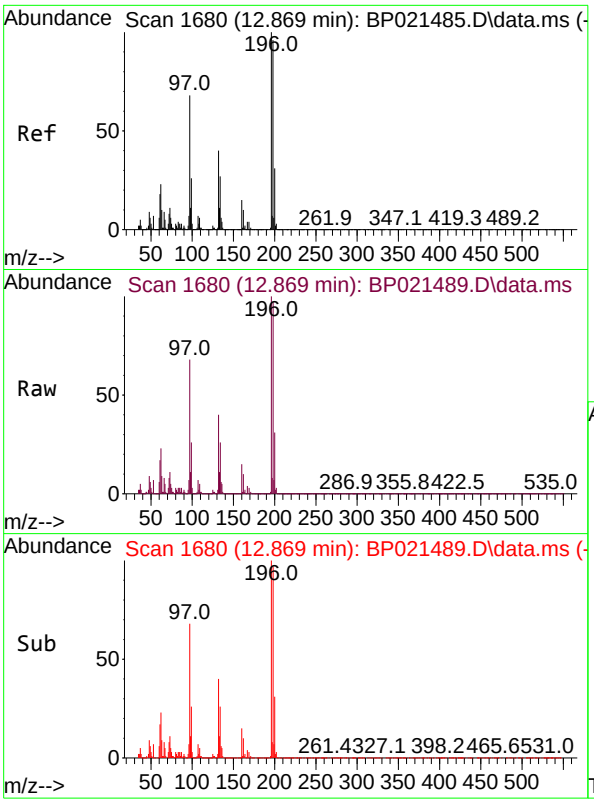


#42
2,4,6-Tribromophenol
Concen: 83.477 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:330 Resp: 1239599

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	30.2	24.5	36.7

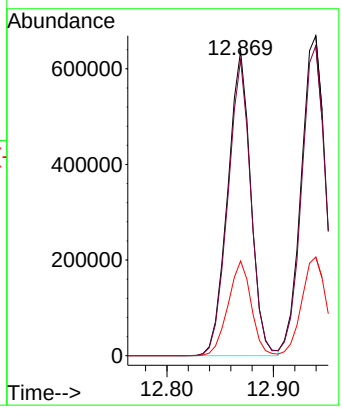




#43
2,4,6-Trichlorophenol
Concen: 44.249 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 96091

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.6	114.8
200	31.1	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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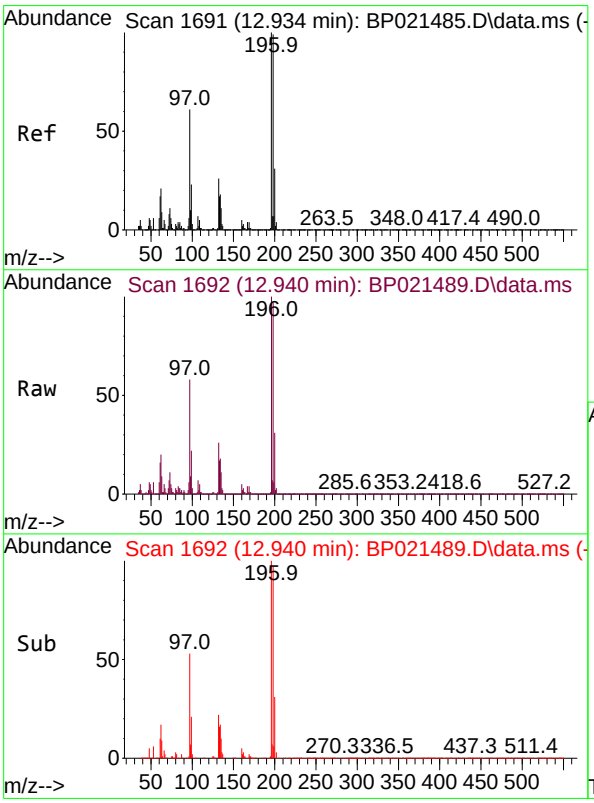
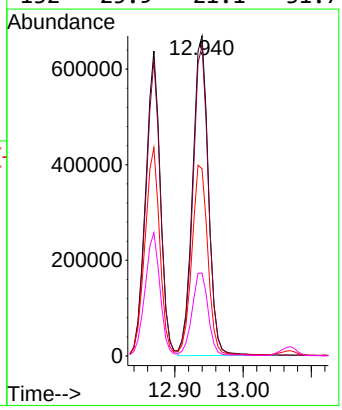
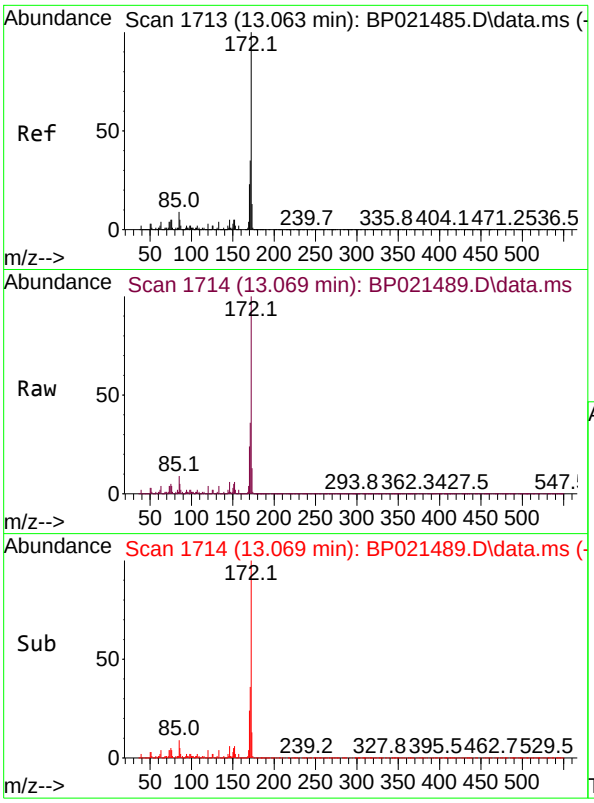


#44
2,4,5-Trichlorophenol
Concen: 44.396 ng
RT: 12.940 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 1071161

Ion	Ratio	Lower	Upper
196	100		
198	96.9	78.9	118.3
97	58.5	49.4	74.0
132	25.9	21.1	31.7

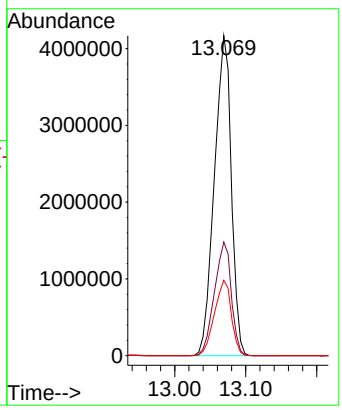




#45
2-Fluorobiphenyl
Concen: 78.649 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:172 Resp: 687586

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.6	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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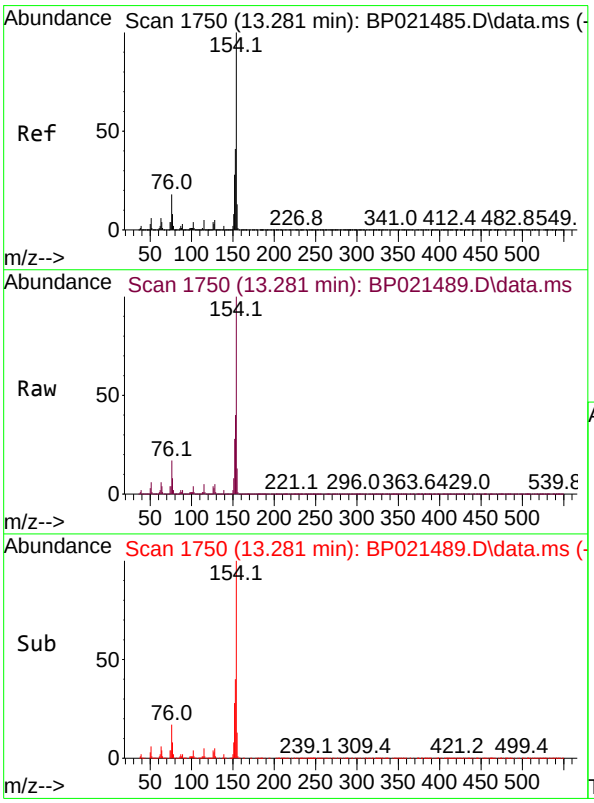
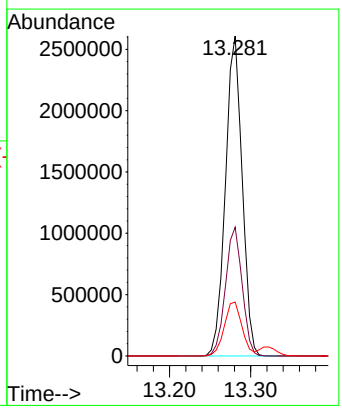
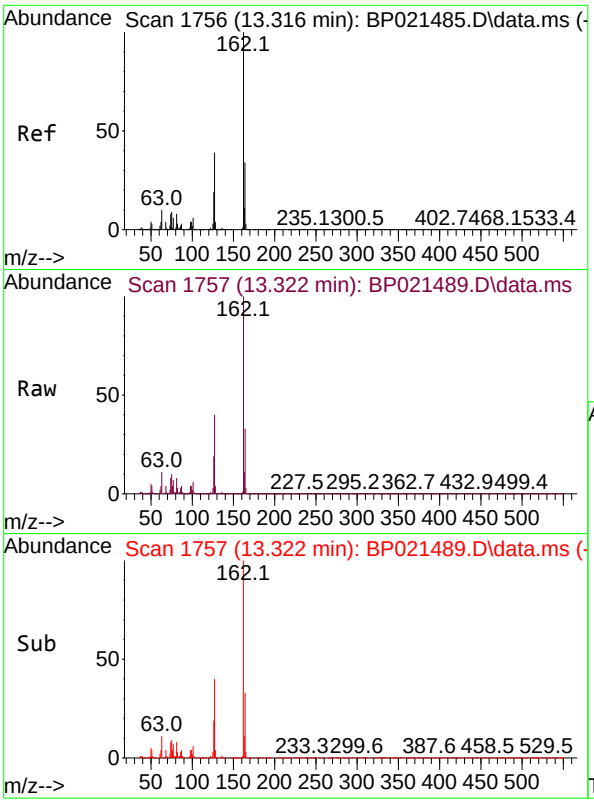


#46
1,1'-Biphenyl
Concen: 39.542 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 3732699

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	16.9	0.0	37.7

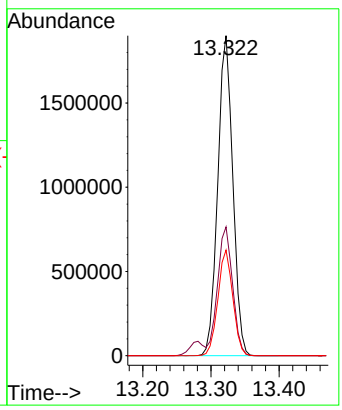




#47
2-Chloronaphthalene
Concen: 39.695 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 291730

Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	33.0	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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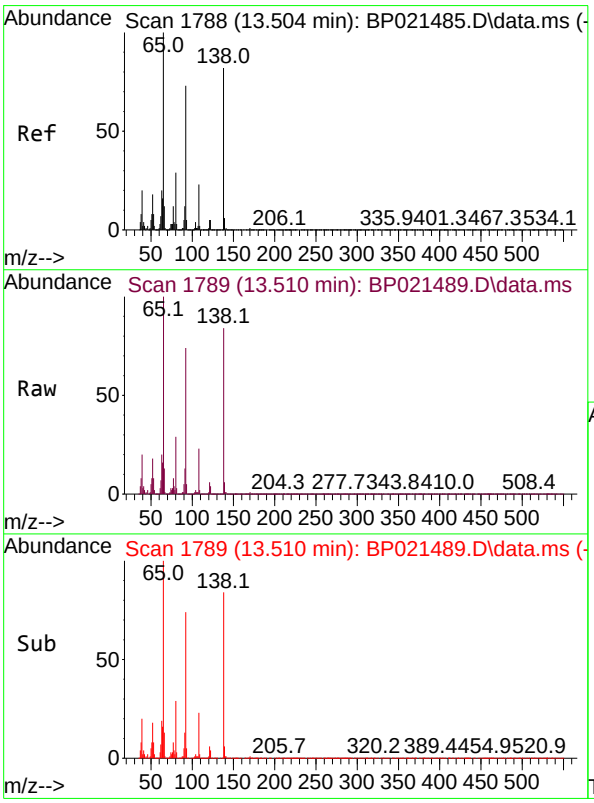
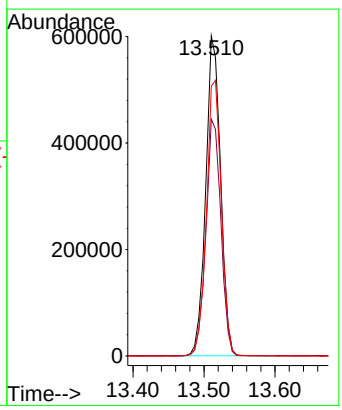
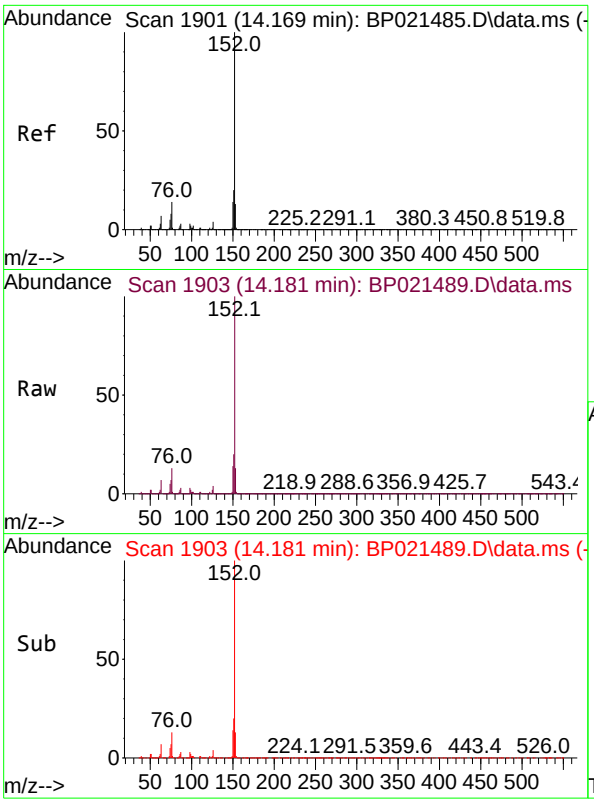


#48
2-Nitroaniline
Concen: 43.044 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 65 Resp: 874355

Ion	Ratio	Lower	Upper
65	100		
92	74.0	58.1	87.1
138	84.4	65.5	98.3





#49
Acenaphthylene
Concen: 39.531 ng
RT: 14.181 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Tgt Ion:152 Resp: 427089

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	16.0

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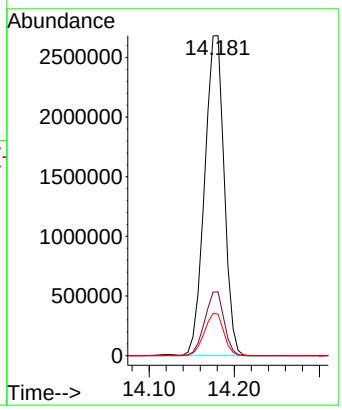
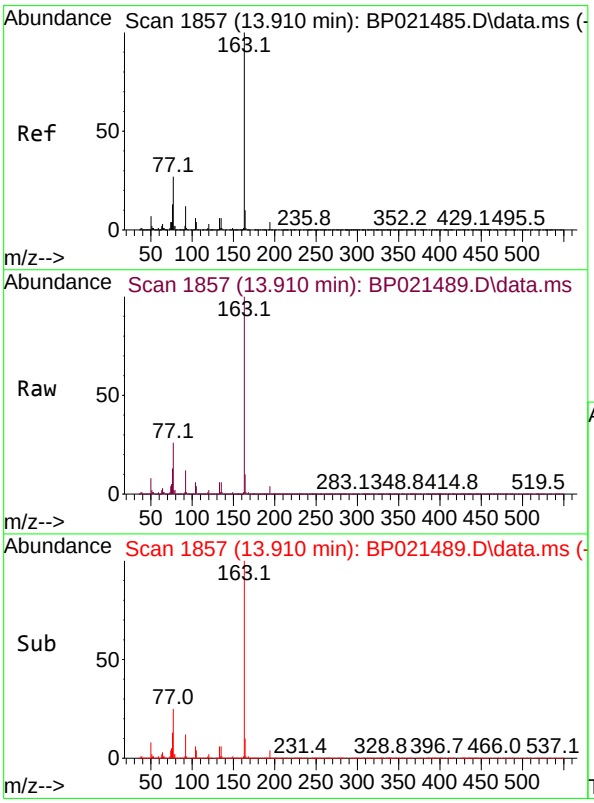
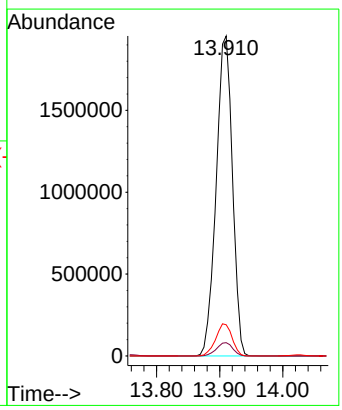


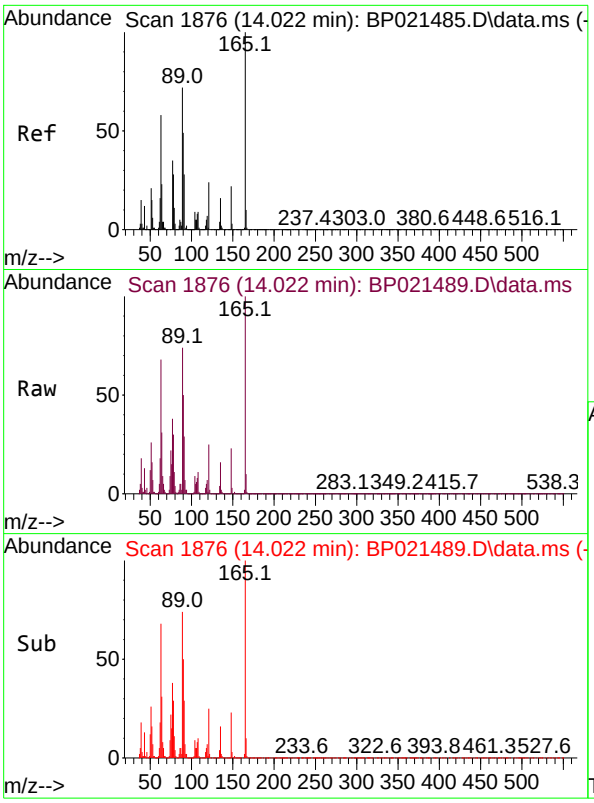


#50
Dimethylphthalate
Concen: 39.127 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:163 Resp: 3496130

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.7	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 41.424 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:165 Resp: 73599

Ion	Ratio	Lower	Upper
165	100		
63	67.6	51.5	77.3
89	74.0	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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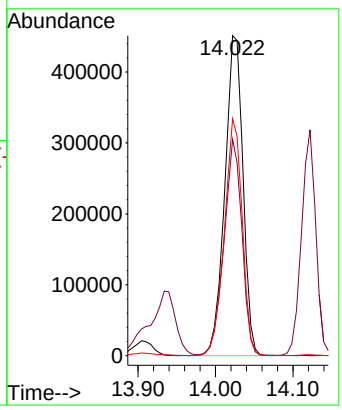
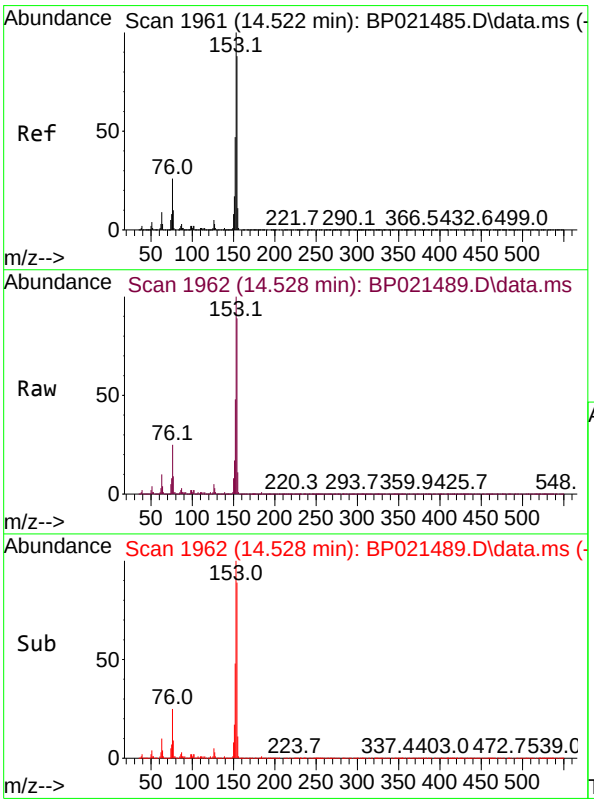
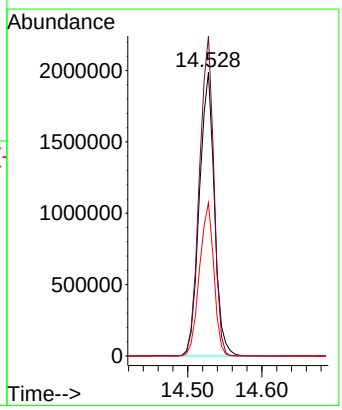


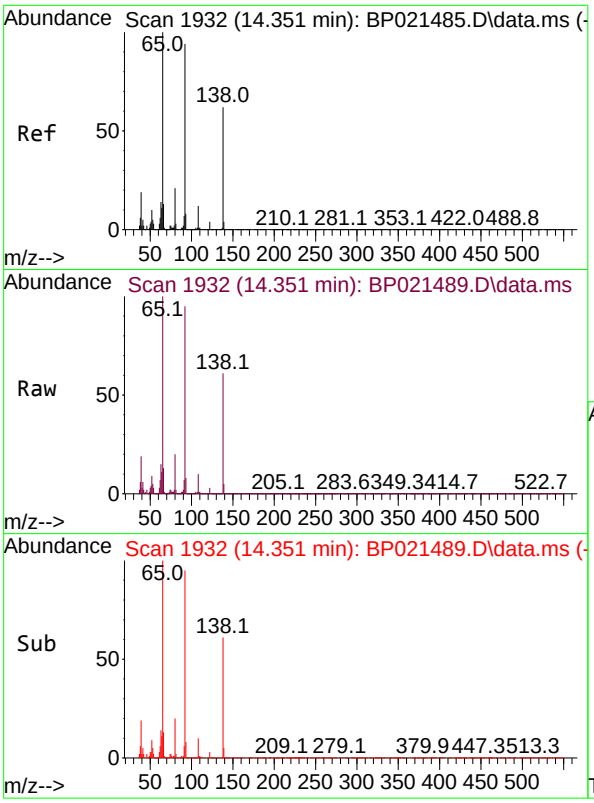


#52
Acenaphthene
Concen: 39.366 ng
RT: 14.528 min Scan# 1962
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 2790584

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.1	136.7
152	54.0	43.0	64.4





#53
3-Nitroaniline
Concen: 40.483 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:138 Resp: 70542

Ion	Ratio	Lower	Upper
138	100		
108	16.7	16.2	24.4
92	155.2	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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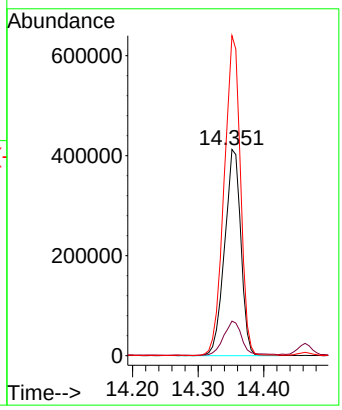
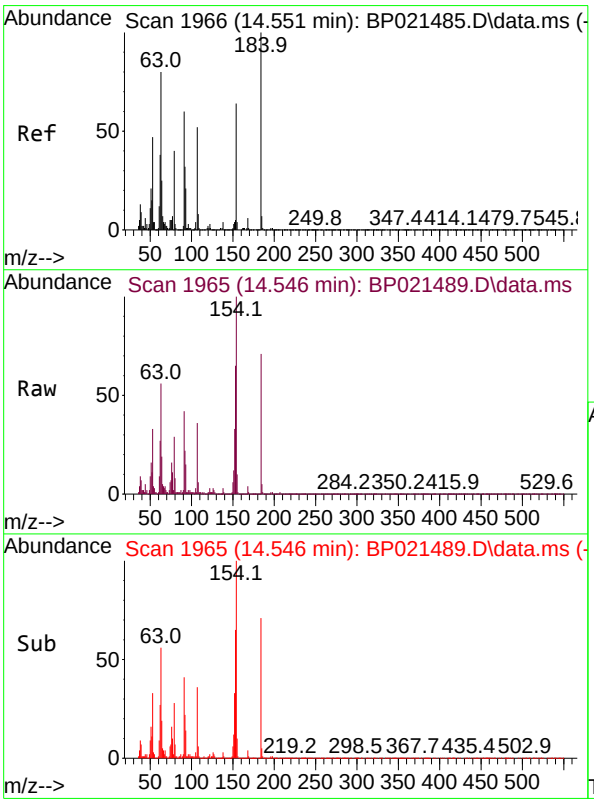
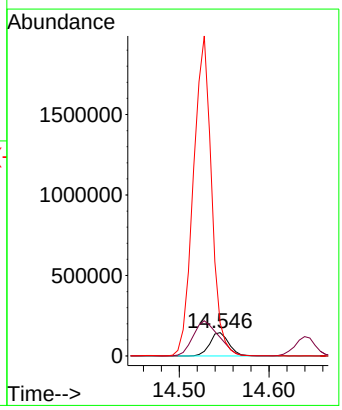


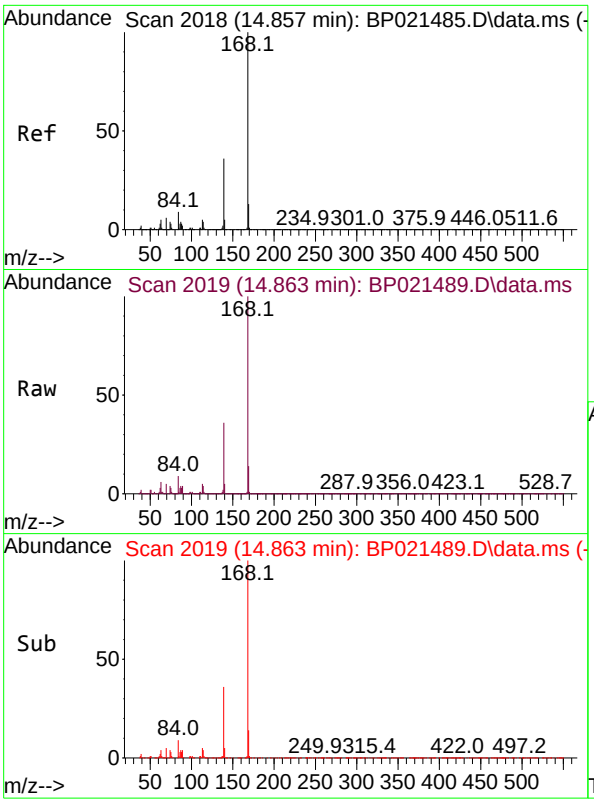


#54
2,4-Dinitrophenol
Concen: 45.065 ng
RT: 14.546 min Scan# 1965
Delta R.T. -0.005 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 215120

Ion	Ratio	Lower	Upper
184	100		
63	79.1	64.9	97.3
154	140.5	52.1	78.1#

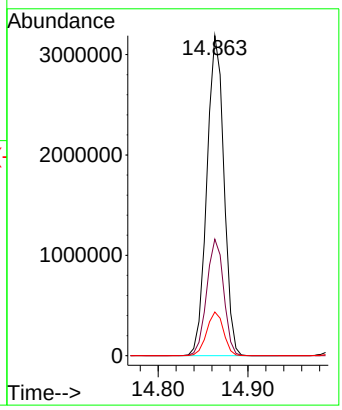




#55
Dibenzofuran
Concen: 38.543 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:168 Resp: 420299

Ion	Ratio	Lower	Upper
168	100		
139	36.4	28.6	43.0
169	13.6	10.6	16.0



Instrument :
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ClientSampleId :
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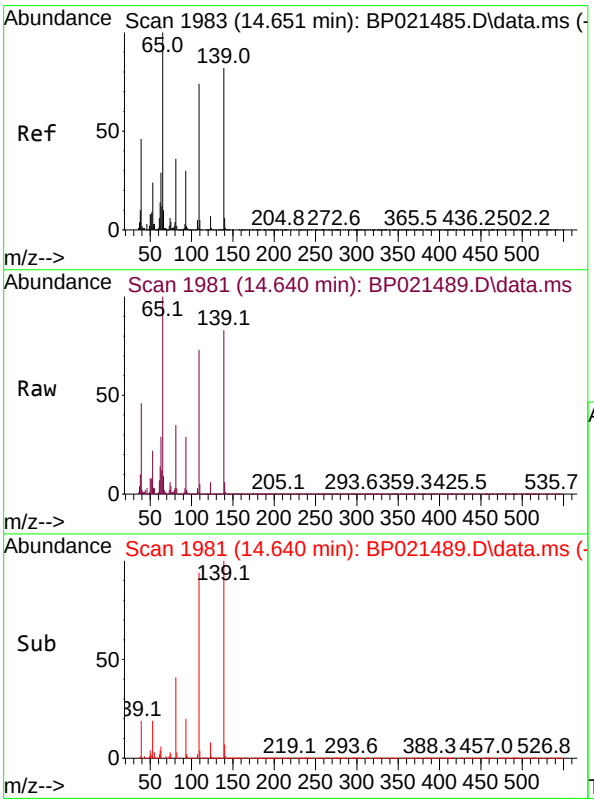
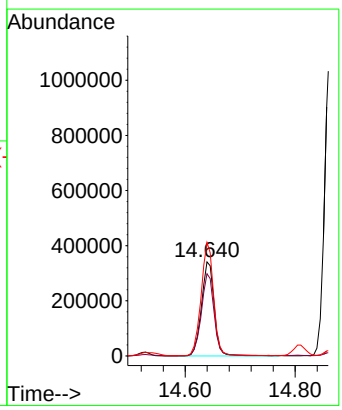
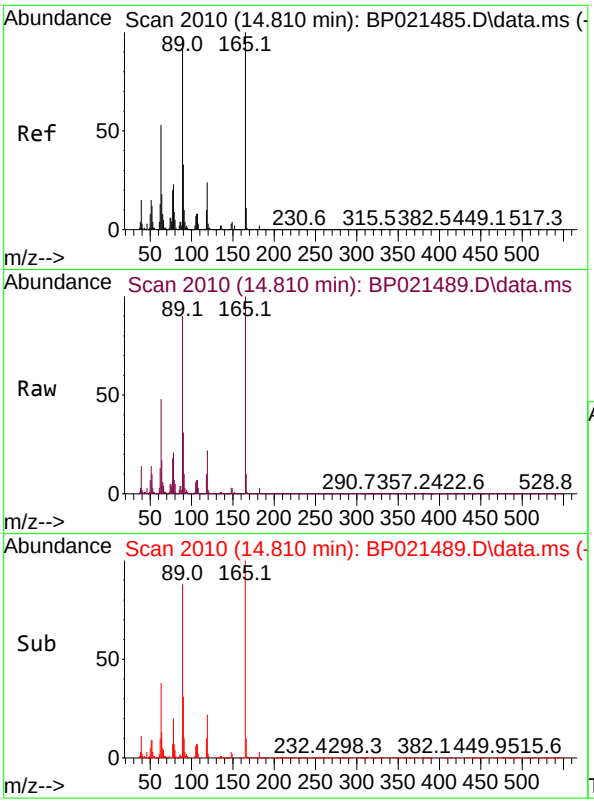


#56
4-Nitrophenol
Concen: 39.582 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 545969

Ion	Ratio	Lower	Upper
139	100		
109	87.4	70.2	110.2
65	120.5	101.8	141.8

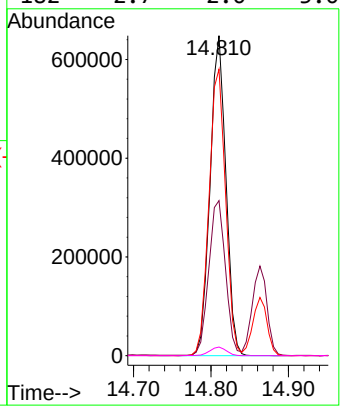




#57
2,4-Dinitrotoluene
Concen: 40.864 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:165 Resp: 91779

Ion	Ratio	Lower	Upper
165	100		
63	48.5	42.5	63.7
89	89.5	77.1	115.7
182	2.7	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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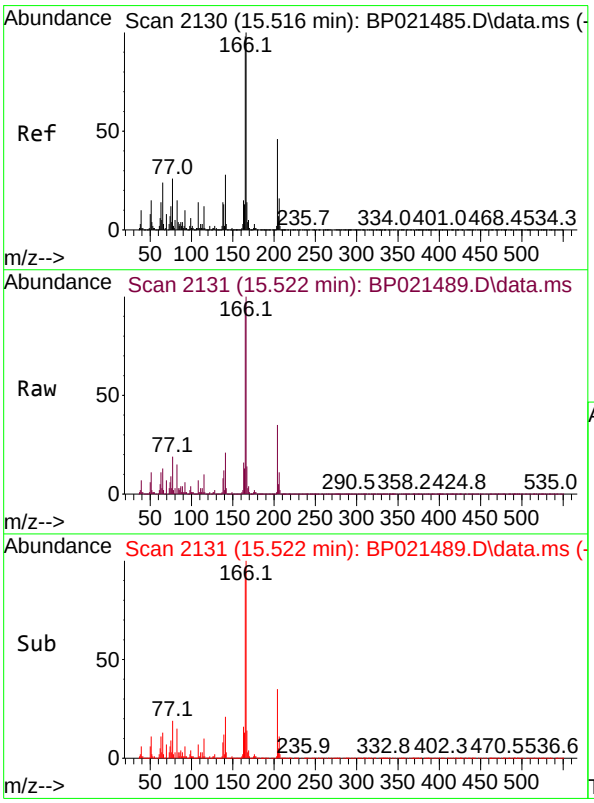
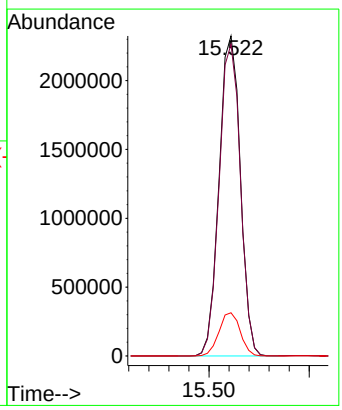
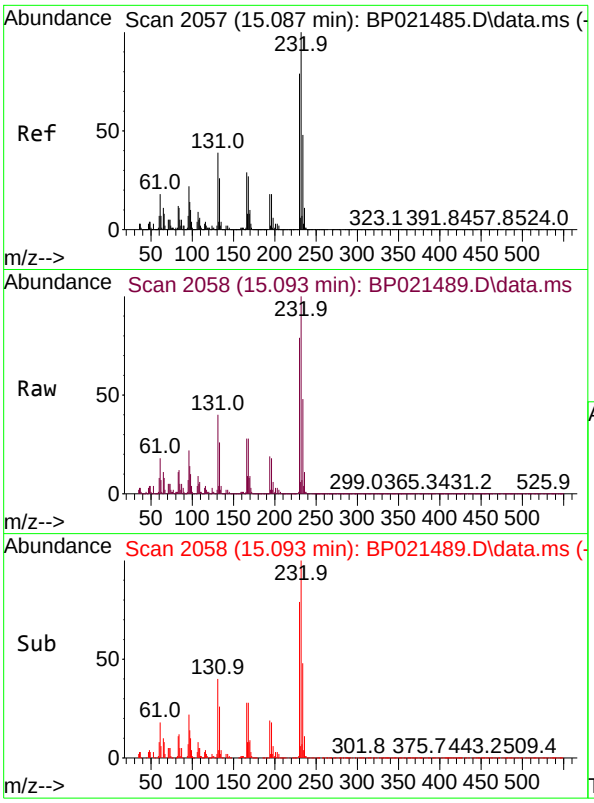


#58
Fluorene
Concen: 38.055 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:166 Resp: 3409197

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.5	11.0	16.4

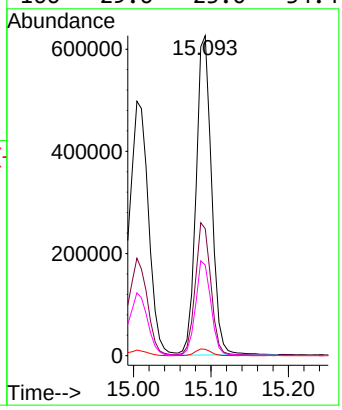




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.310 ng
RT: 15.093 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:232 Resp: 86645

Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.1	49.7
130	2.2	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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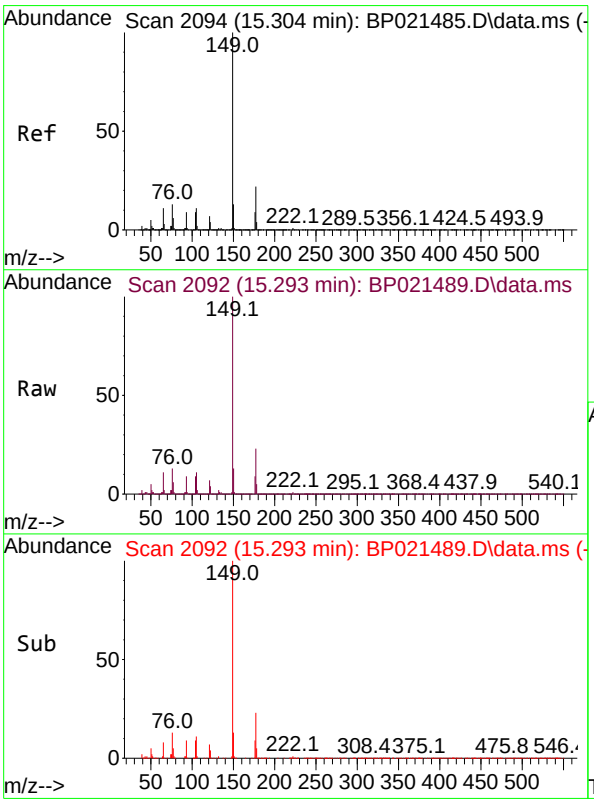
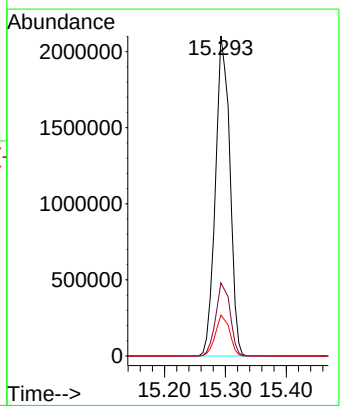
Supervised By :mohammad ahmed 08/14/2024

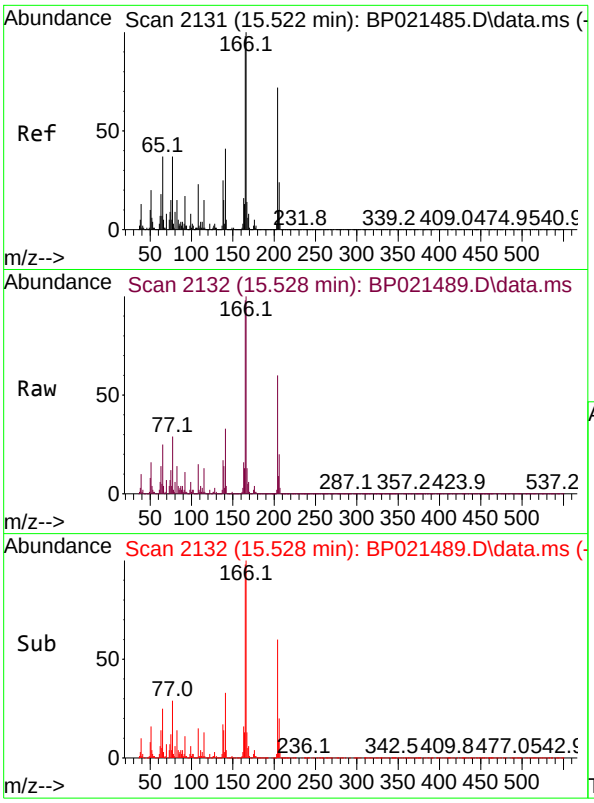


#60
Diethylphthalate
Concen: 37.752 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3461071

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.7	10.1	15.1

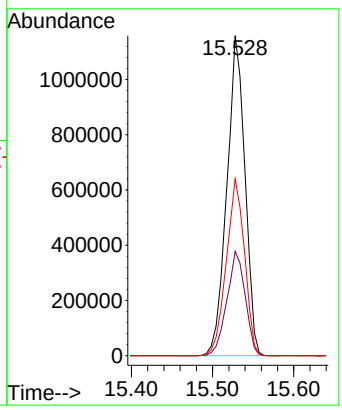




#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:204 Resp: 179566

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	55.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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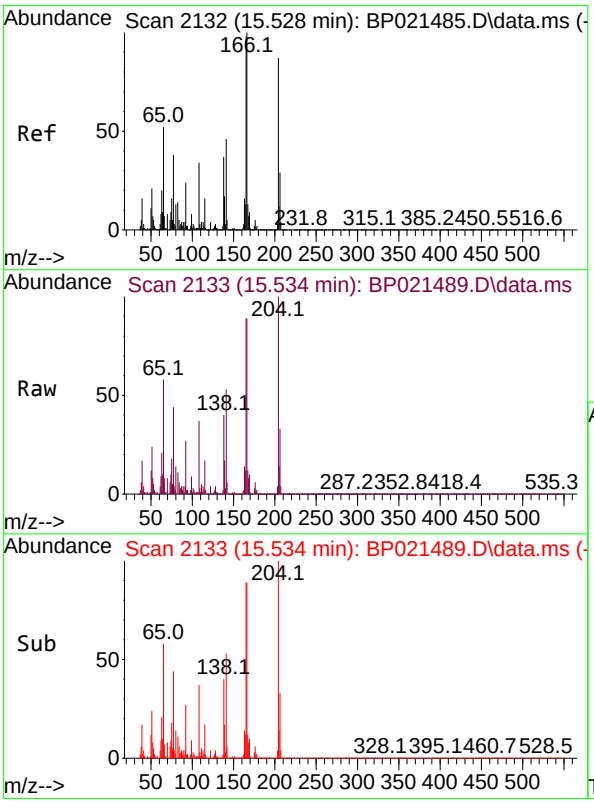
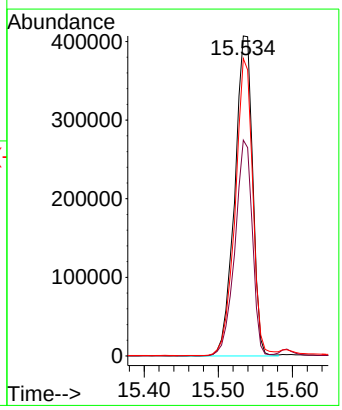
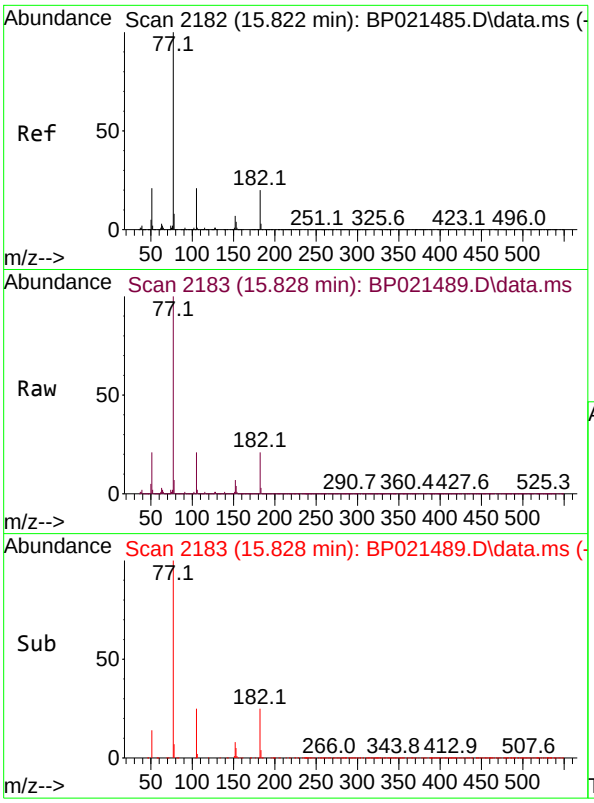


#62
4-Nitroaniline
Concen: 38.254 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:138 Resp: 685273

Ion	Ratio	Lower	Upper
138	100		
92	67.4	46.4	86.4
108	93.0	73.2	113.2

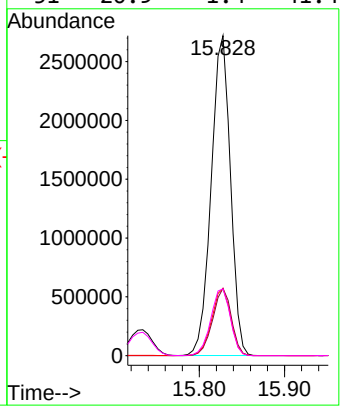




#63
Azobenzene
Concen: 37.833 ng
RT: 15.828 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 426359

Ion	Ratio	Lower	Upper
77	100		
182	21.0	0.0	39.9
105	21.0	0.9	40.9
51	20.9	1.4	41.4



Instrument :
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ClientSampleId :
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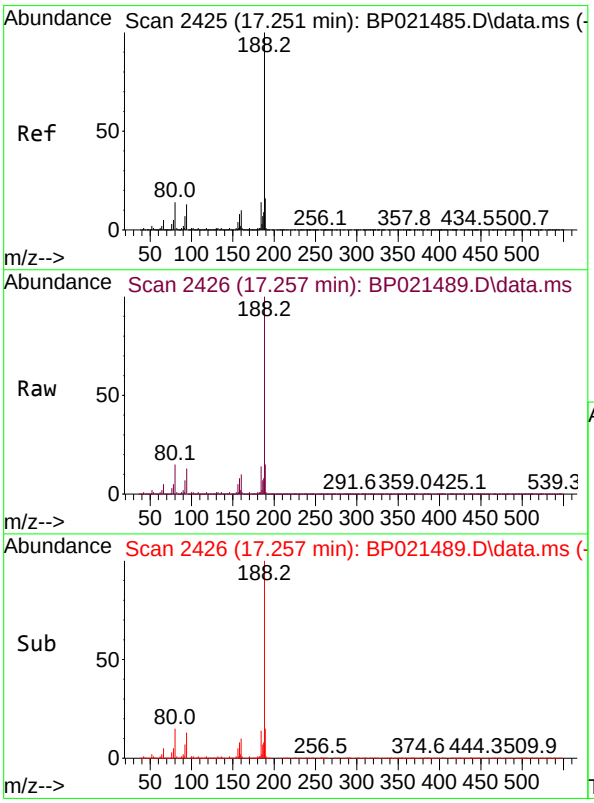
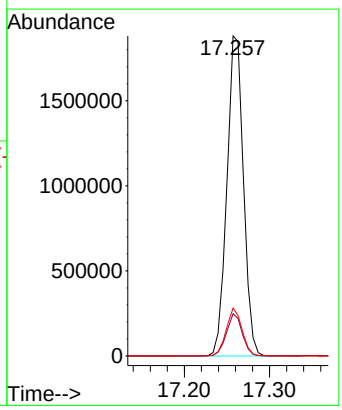
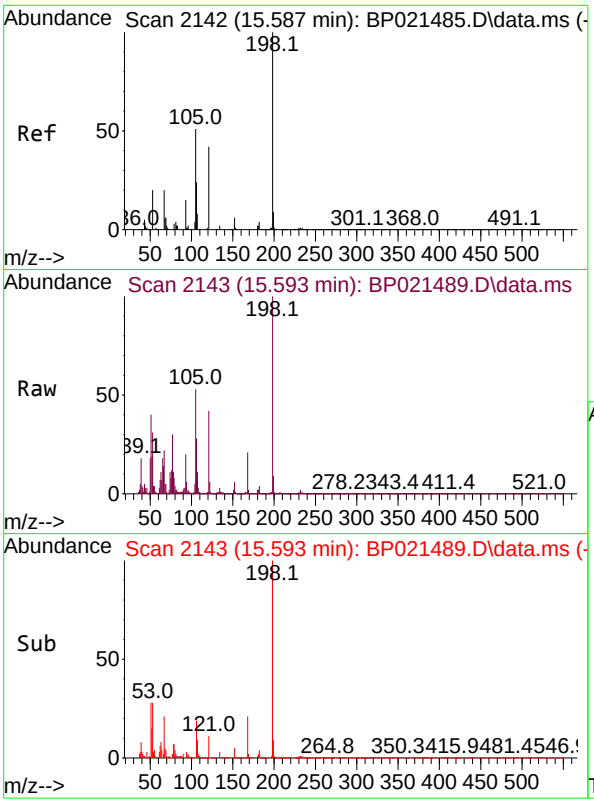


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:188 Resp: 2538103

Ion	Ratio	Lower	Upper
188	100		
94	13.2	10.2	15.4
80	15.0	11.6	17.4

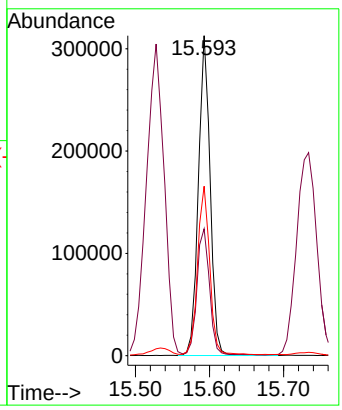




#65
4,6-Dinitro-2-methylphenol
Concen: 46.281 ng
RT: 15.593 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:198 Resp: 34350

Ion	Ratio	Lower	Upper
198	100		
51	39.6	21.5	61.5
105	53.0	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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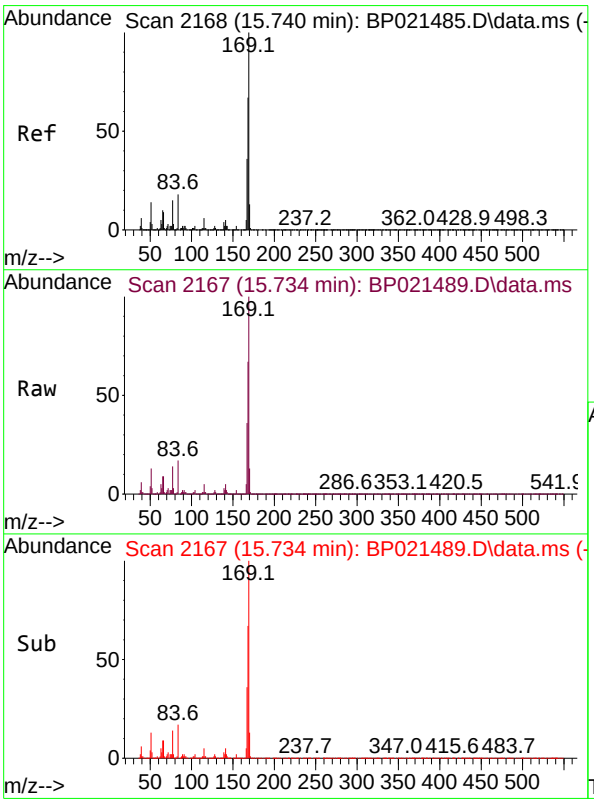
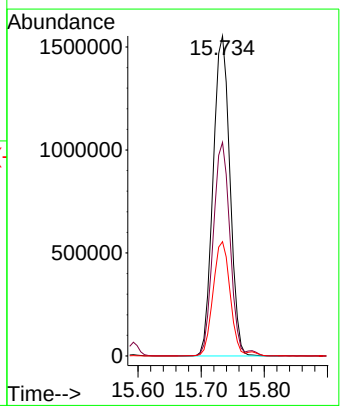
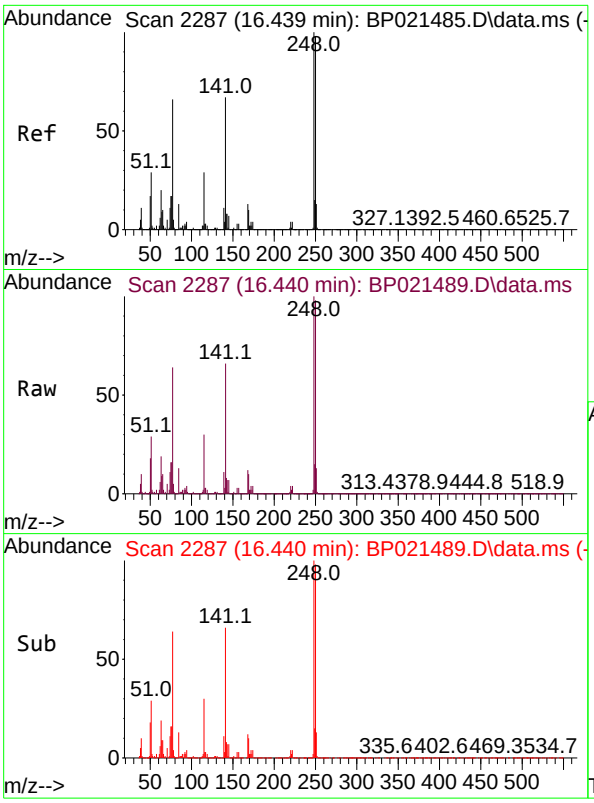


#66
n-Nitrosodiphenylamine
Concen: 42.093 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:169 Resp: 2863059

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 42.289 ng
RT: 16.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:248 Resp: 113596

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	66.3	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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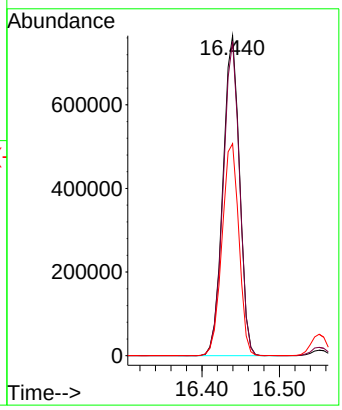
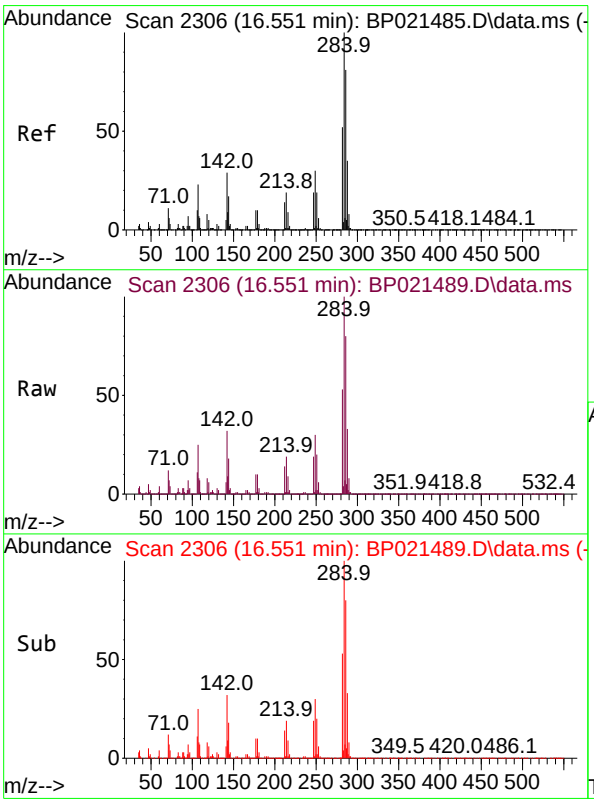
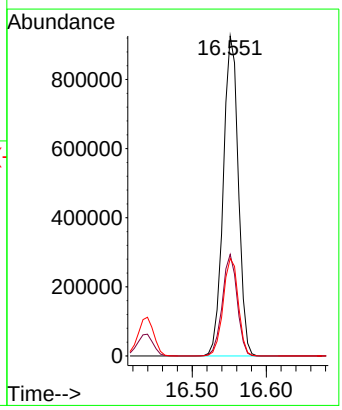


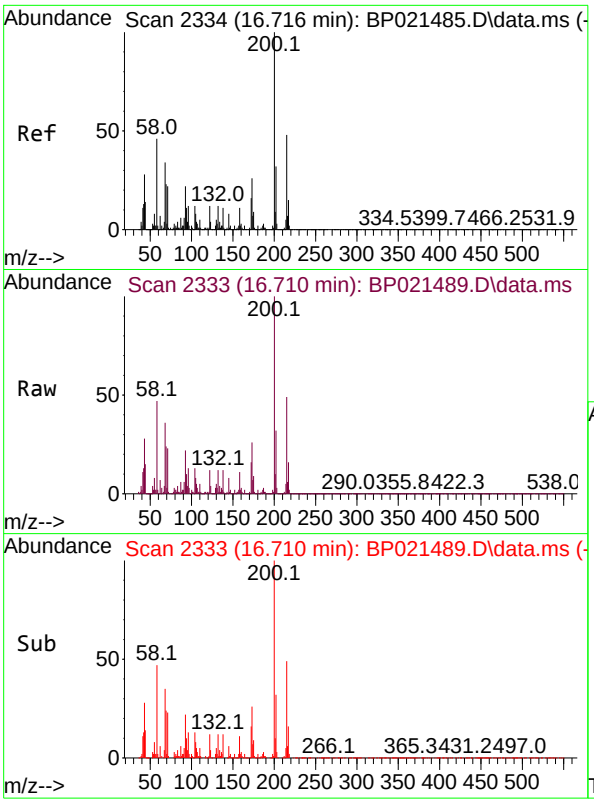


#68
Hexachlorobenzene
Concen: 41.161 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:284 Resp: 1306627

Ion	Ratio	Lower	Upper
284	100		
142	31.8	23.4	35.2
249	30.4	24.1	36.1

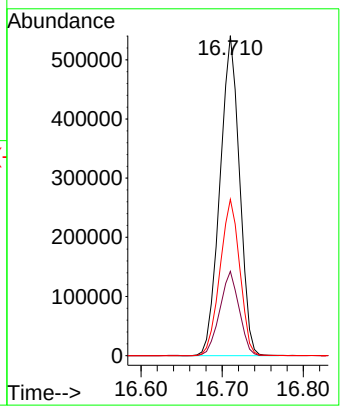




#69
Atrazine
Concen: 38.851 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:200 Resp: 90726

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.2	46.2
215	48.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
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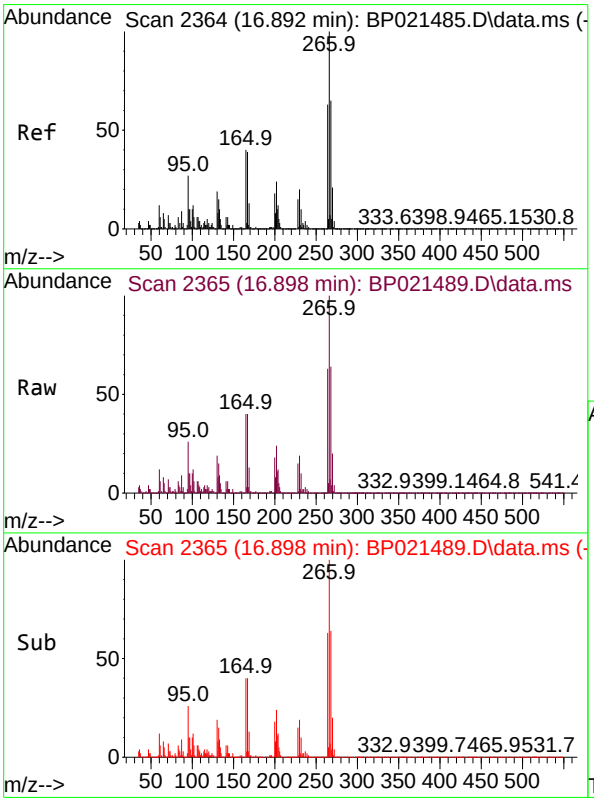
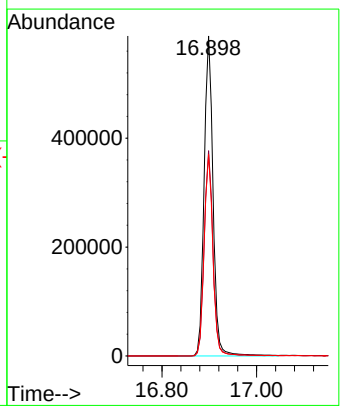
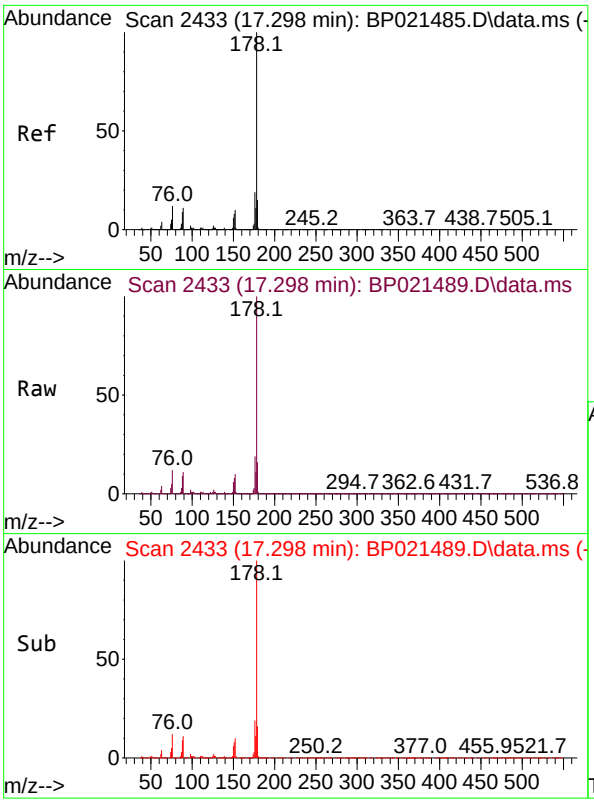


#70
Pentachlorophenol
Concen: 44.446 ng
RT: 16.898 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:266 Resp: 770079

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.0	50.5	75.7





#71
Phenanthrene
Concen: 39.541 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:178 Resp: 482648

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.6	12.4	18.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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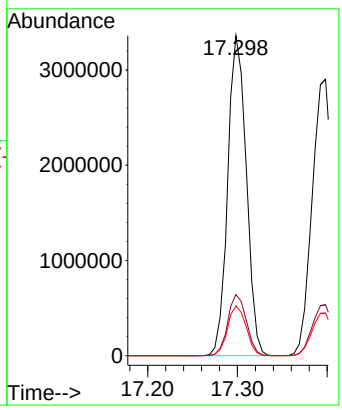
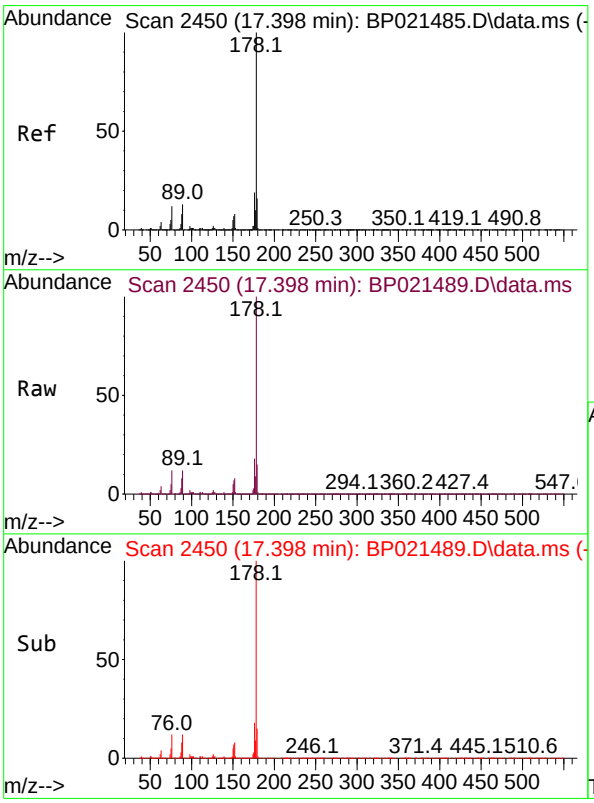
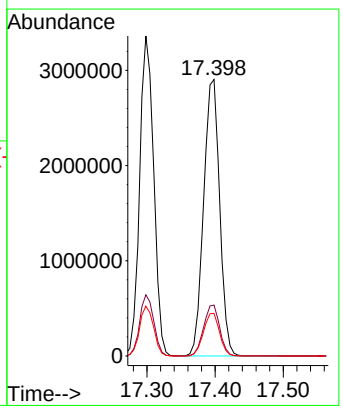


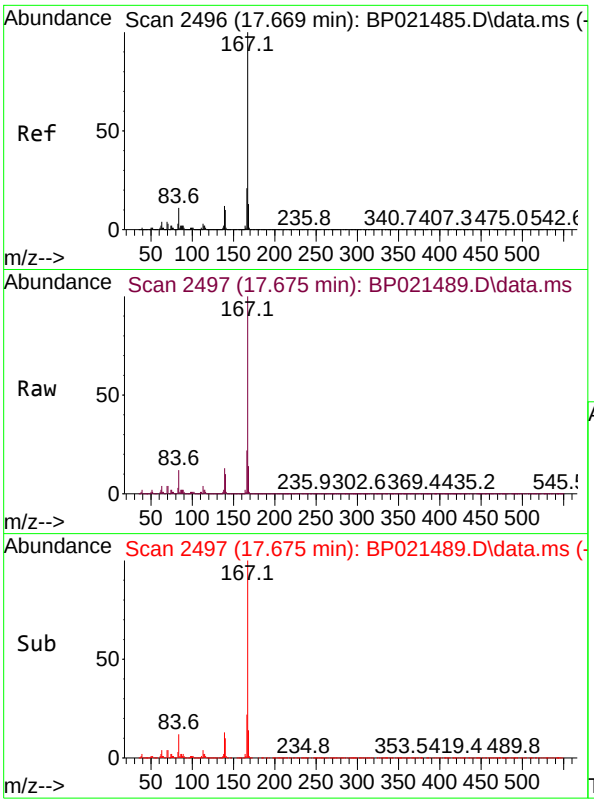


#72
Anthracene
Concen: 39.639 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:178 Resp: 4745227

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.4	12.5	18.7

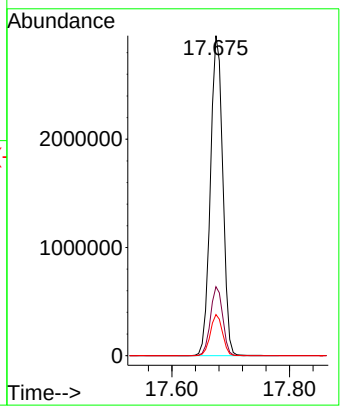




#73
Carbazole
Concen: 37.457 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:167 Resp: 432124

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.8	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
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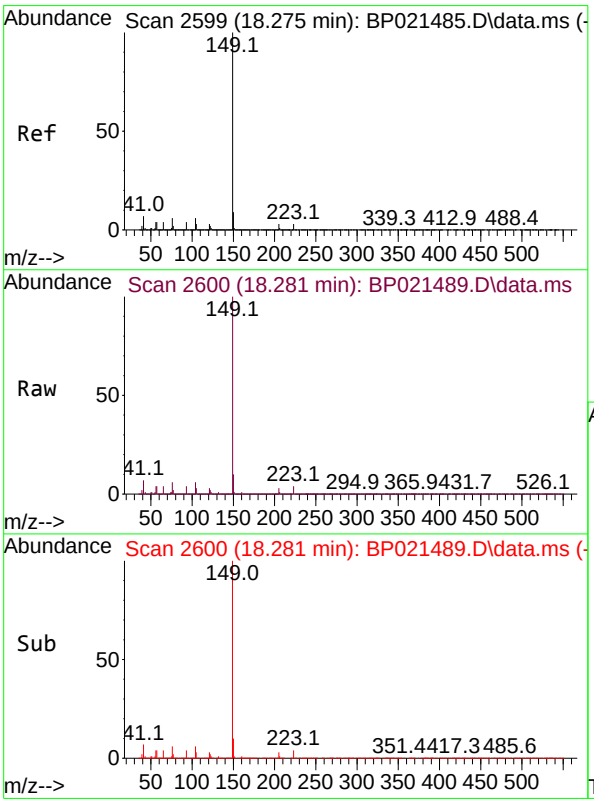
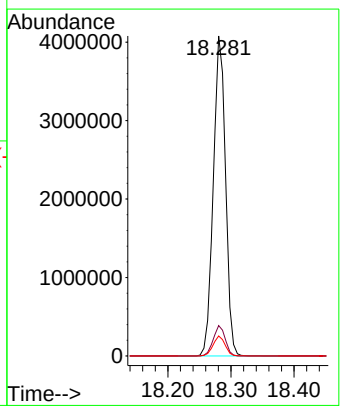
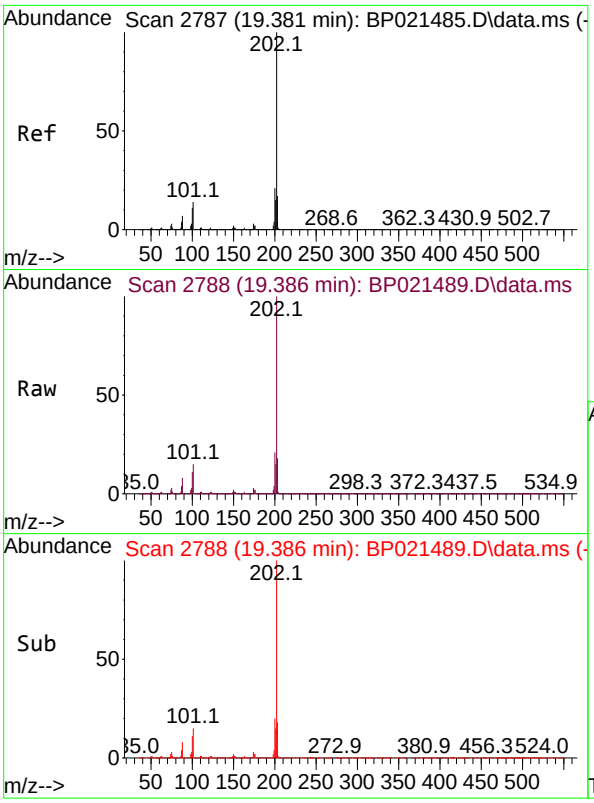


#74
Di-n-butylphthalate
Concen: 38.509 ng
RT: 18.281 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 5456093

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	6.2	4.9	7.3

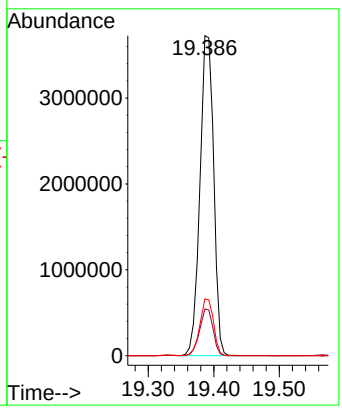




#75
Fluoranthene
Concen: 36.288 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 543487

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.0
203	17.7	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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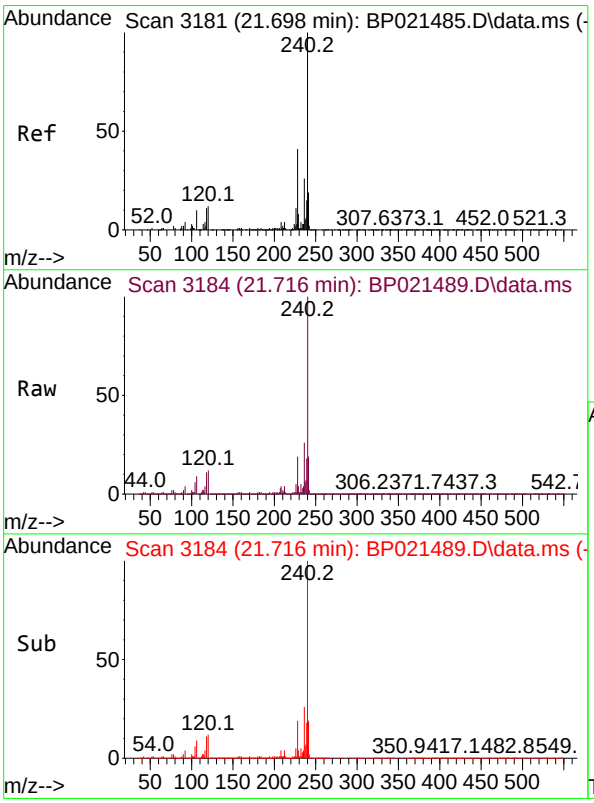
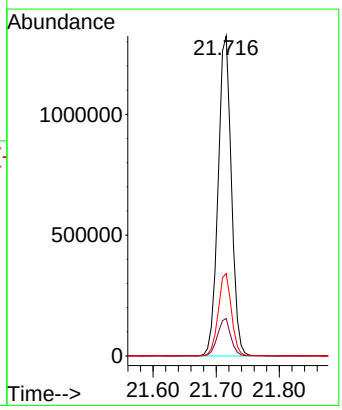
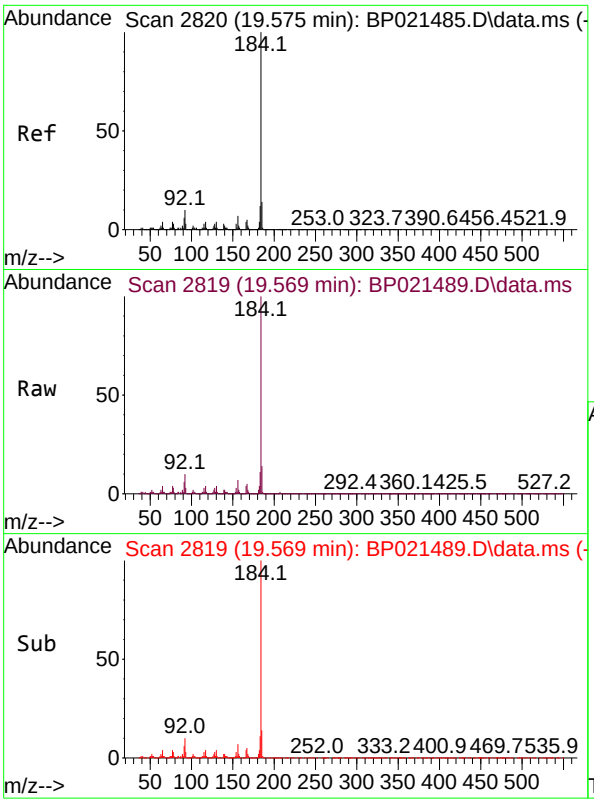


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:240 Resp: 1932921

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	25.8	20.6	30.8

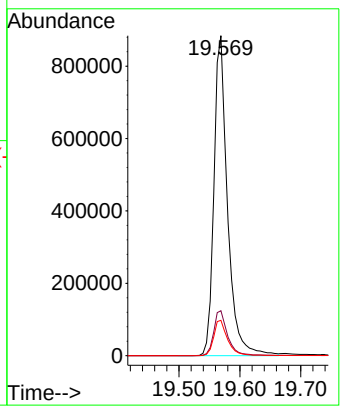




#77
Benzidine
Concen: 30.320 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 136755

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.1	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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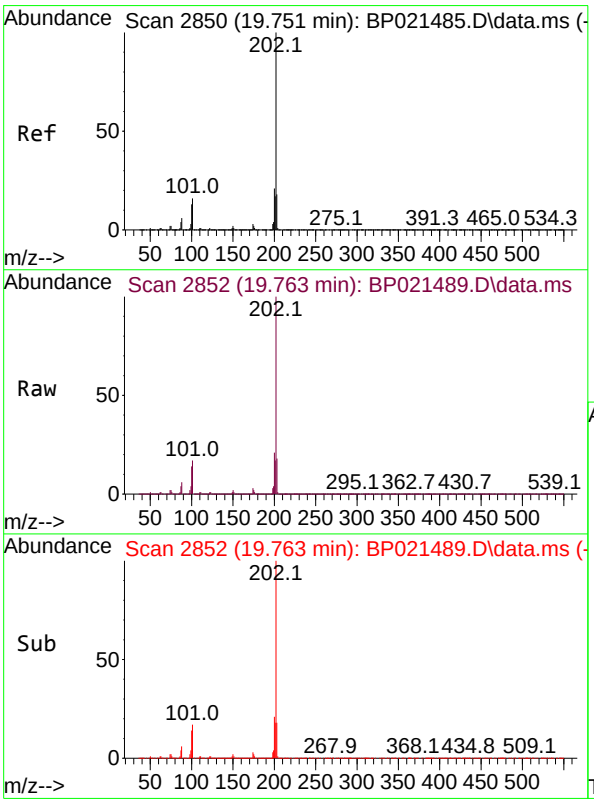
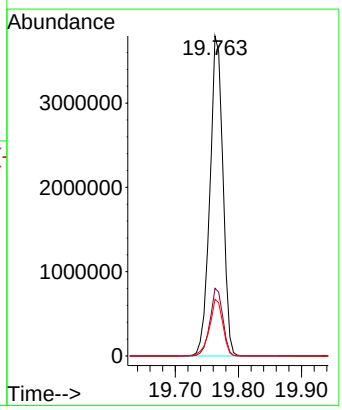
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

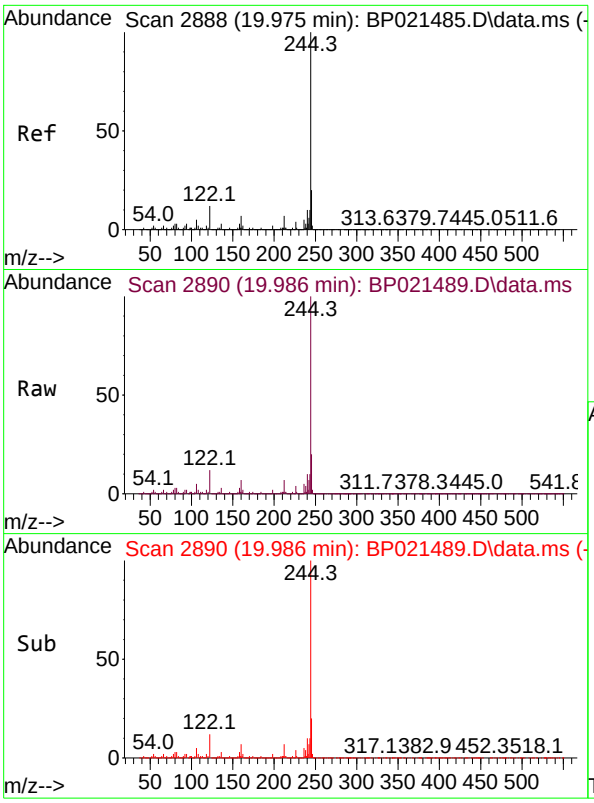


#78
Pyrene
Concen: 43.044 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 5438173

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.1	21.1

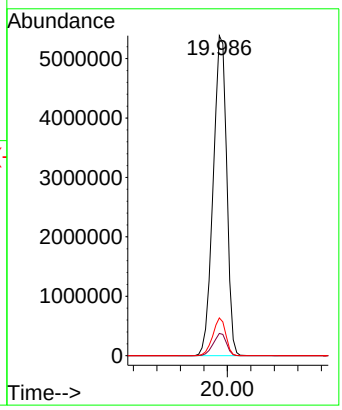




#79
Terphenyl-d14
Concen: 86.216 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:244 Resp: 857810

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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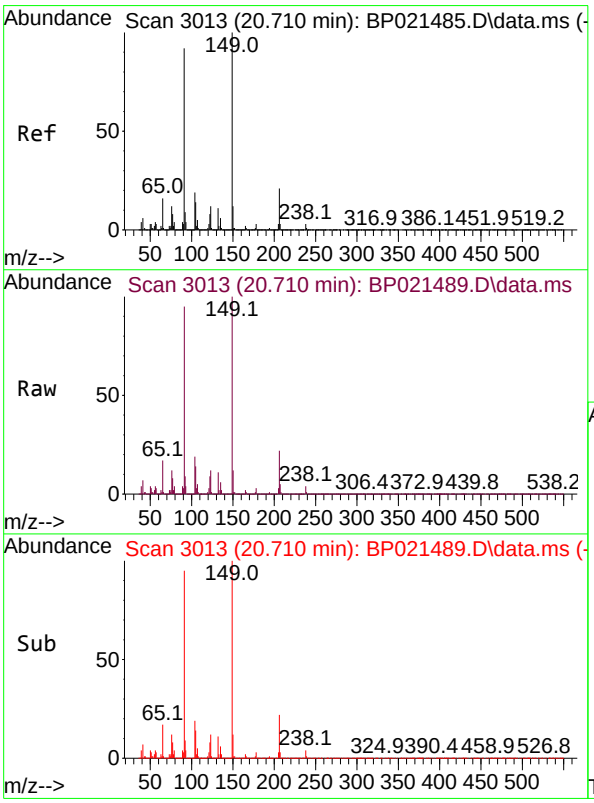
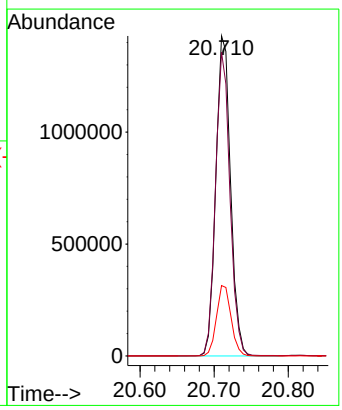
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

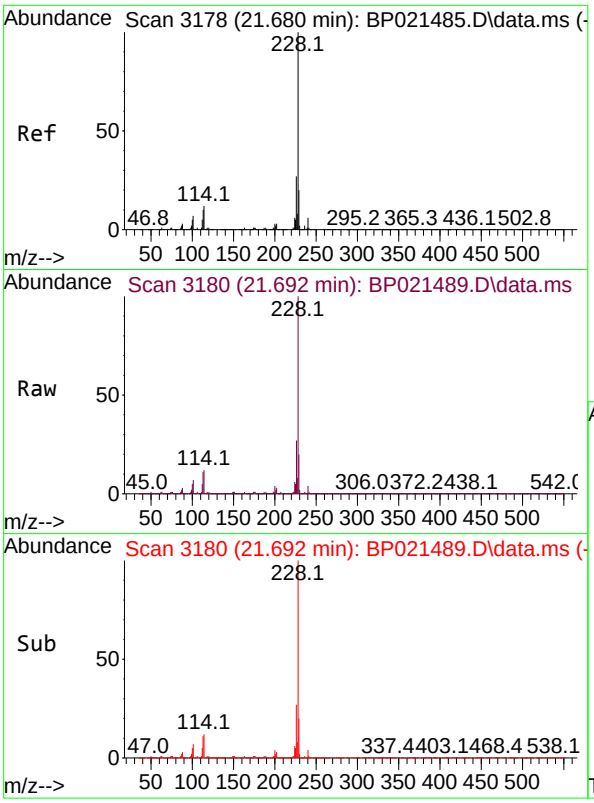


#80
Butylbenzylphthalate
Concen: 41.647 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 1972270

Ion	Ratio	Lower	Upper
149	100		
91	94.9	73.3	109.9
206	22.0	17.1	25.7

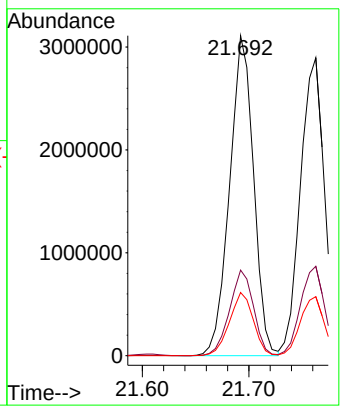




#81
Benzo(a)anthracene
Concen: 40.172 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 487449

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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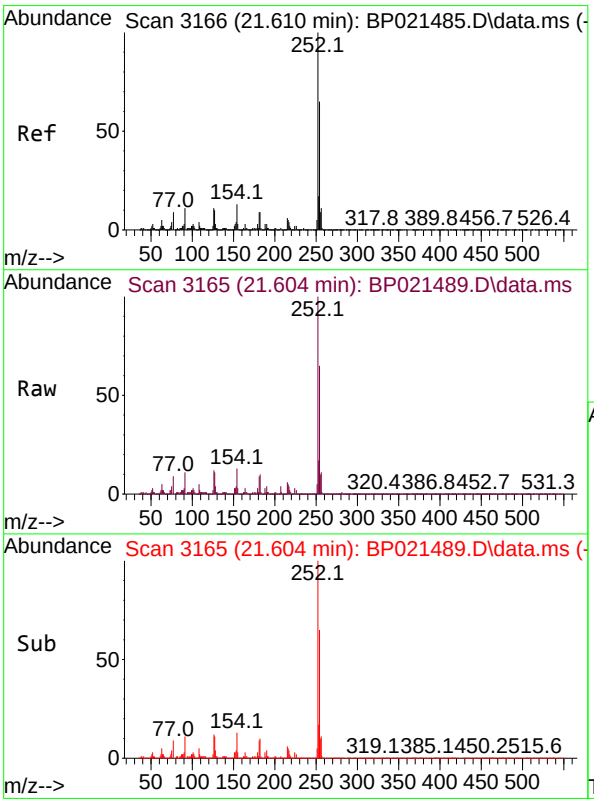
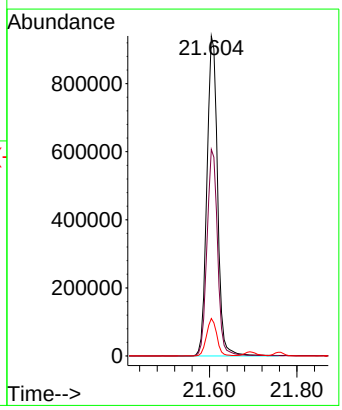
Supervised By :mohammad ahmed 08/14/2024

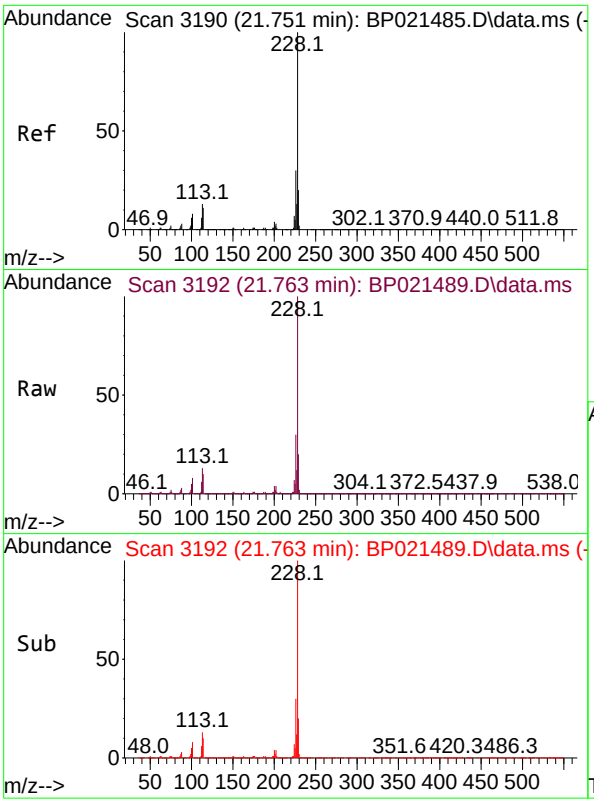


#82
3,3'-Dichlorobenzidine
Concen: 40.936 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 1592617

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.7	8.7	13.1

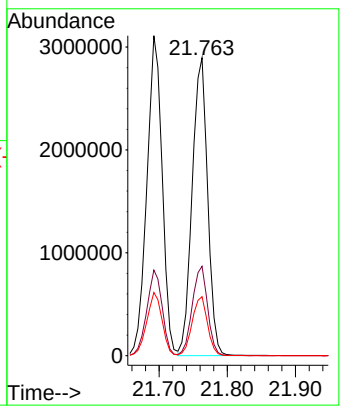




#83
Chrysene
Concen: 39.759 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 455488

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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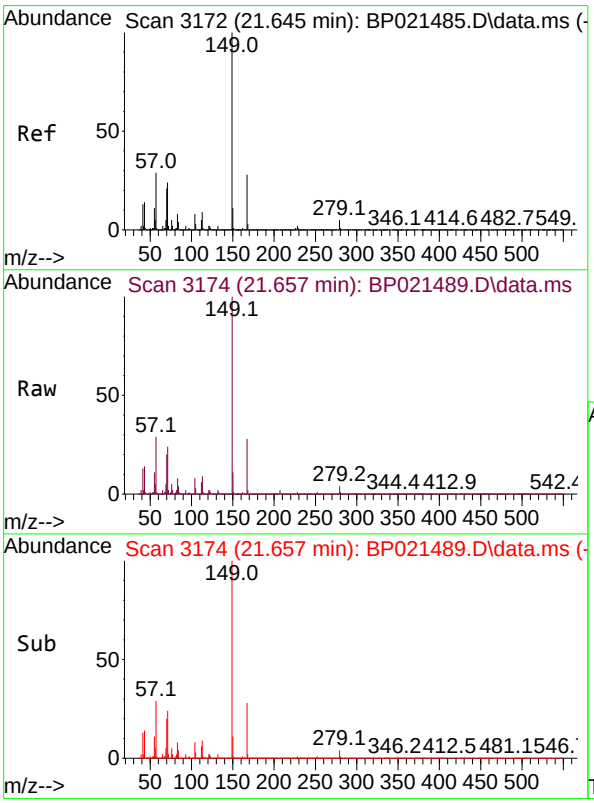
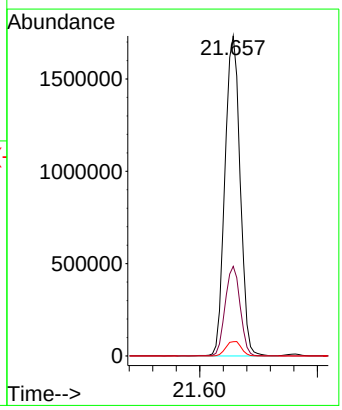
Supervised By :mohammad ahmed 08/14/2024

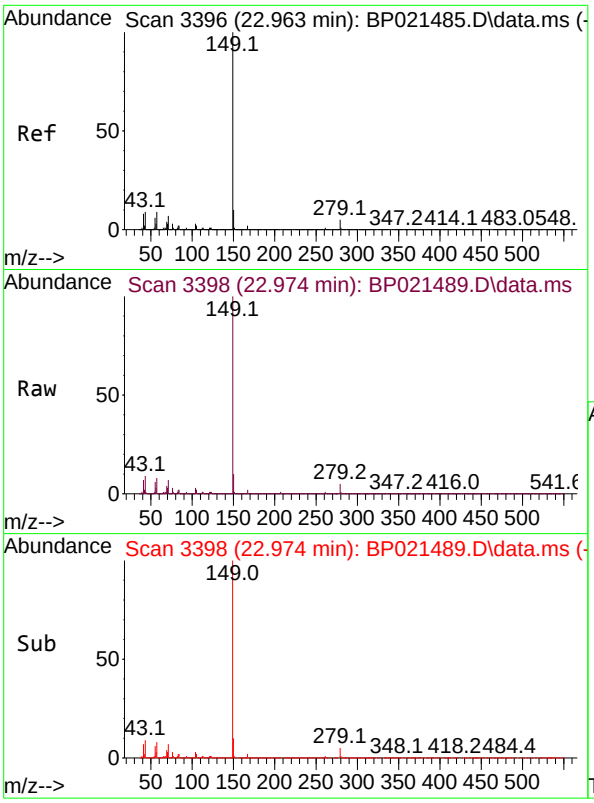


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.381 ng
RT: 21.657 min Scan# 3174
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3111178

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.3	33.5
279	4.5	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 39.871 ng
RT: 22.974 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 490825

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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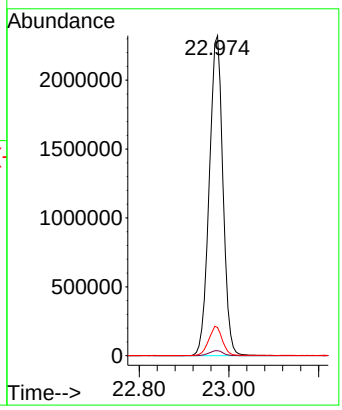
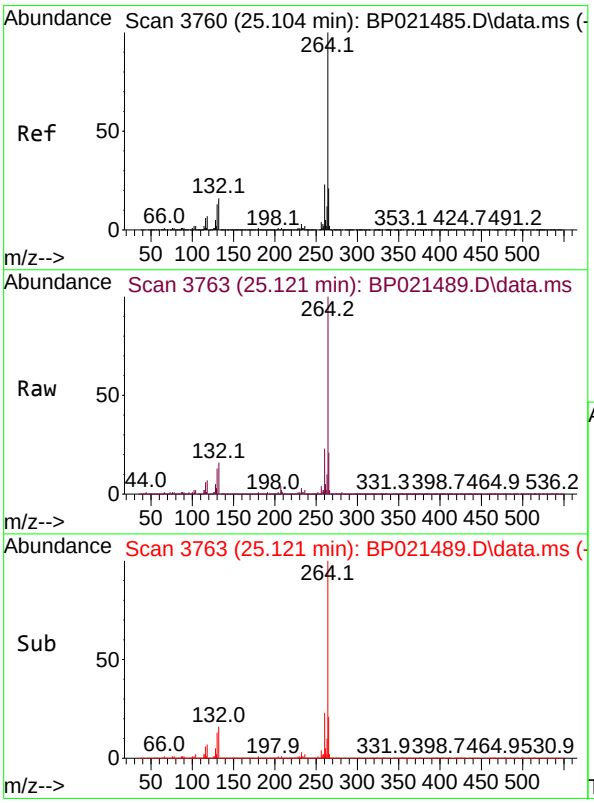
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

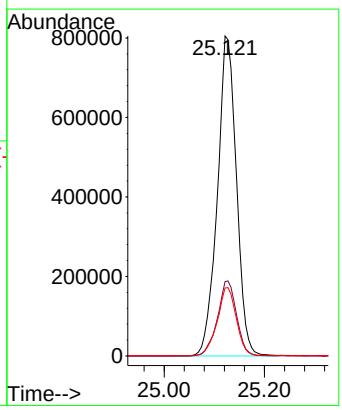


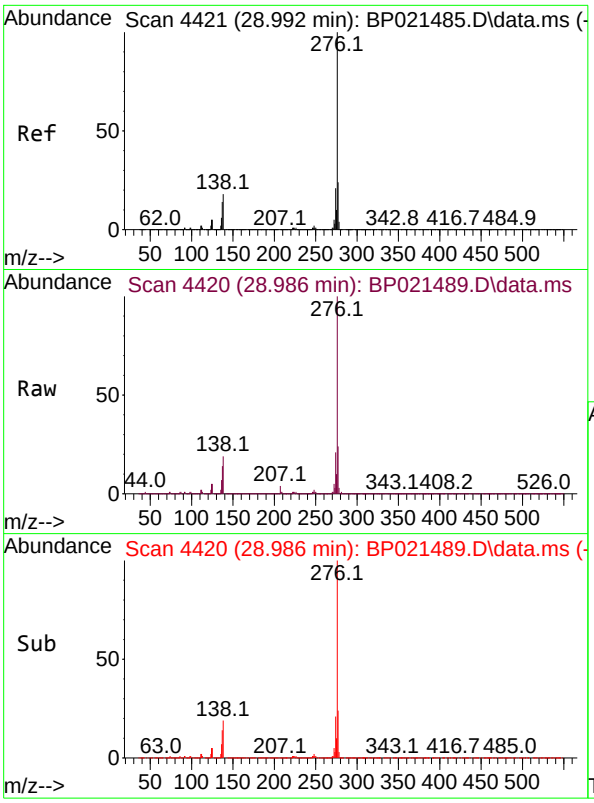


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:264 Resp: 2127555

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	17.1	25.7

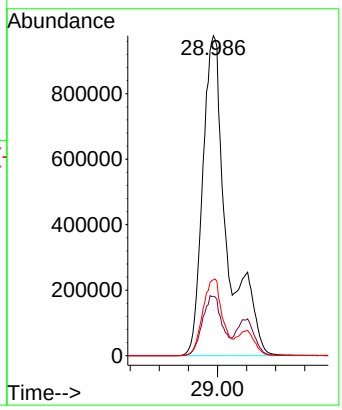




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.105 ng m
RT: 28.986 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 566884

Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.8	19.2
277	19.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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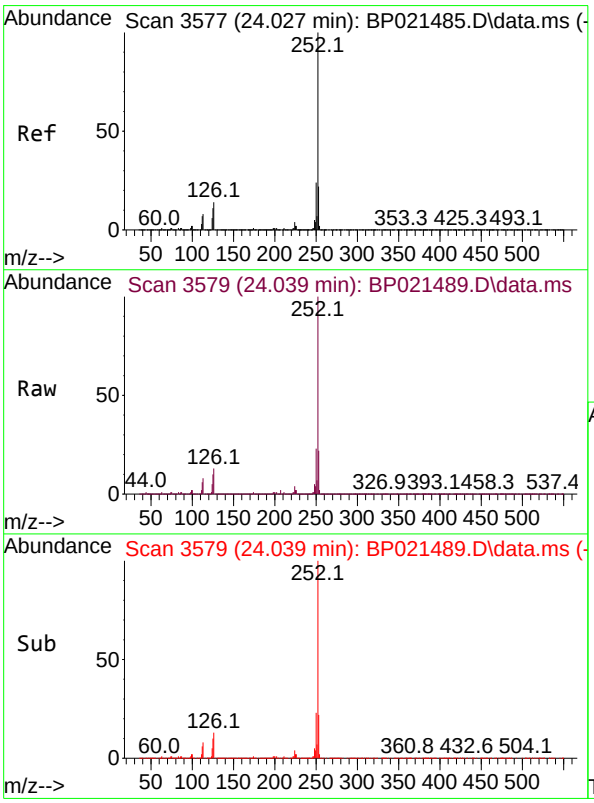
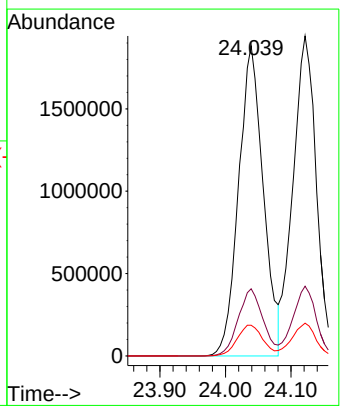
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

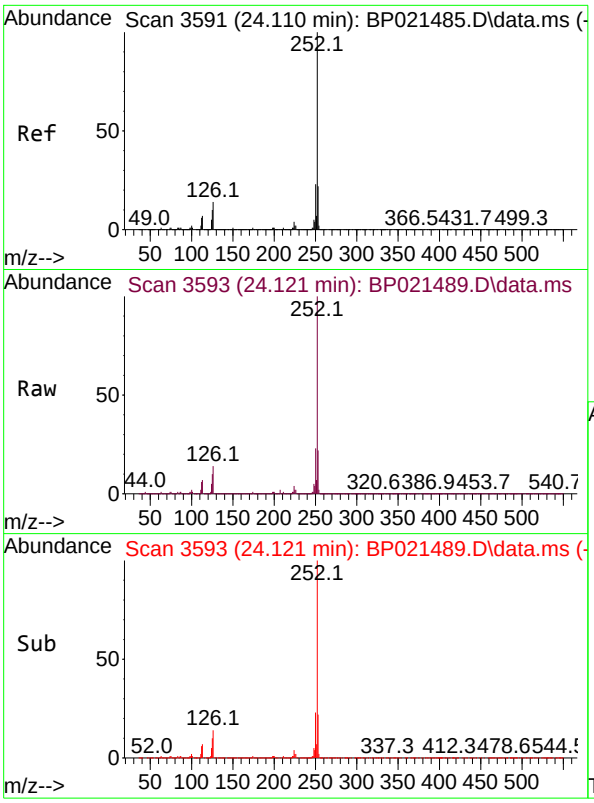


#88
Benzo(b)fluoranthene
Concen: 40.381 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4934155

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.9	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 39.984 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 476594

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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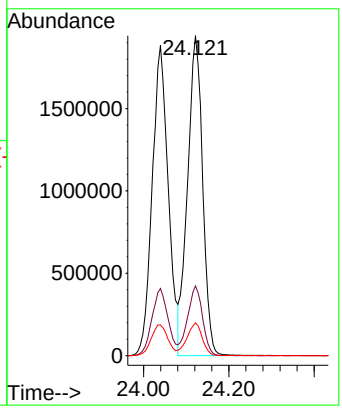
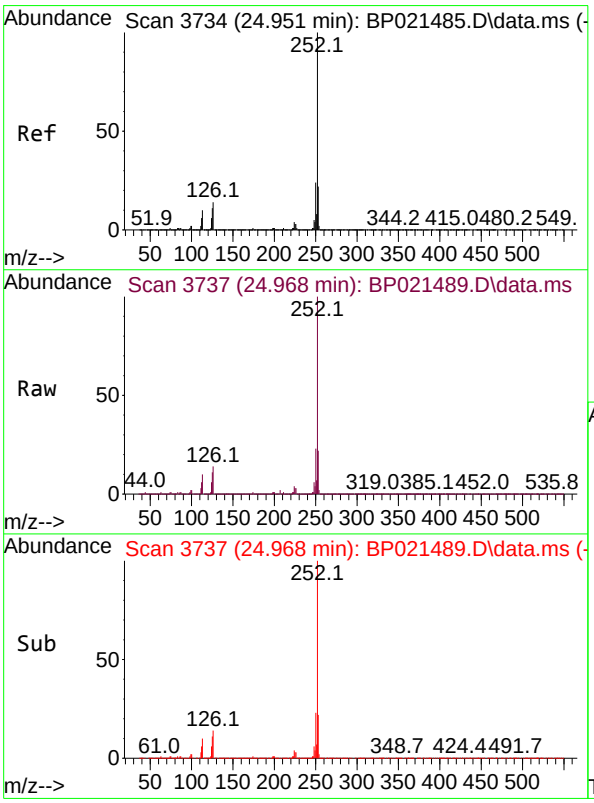
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

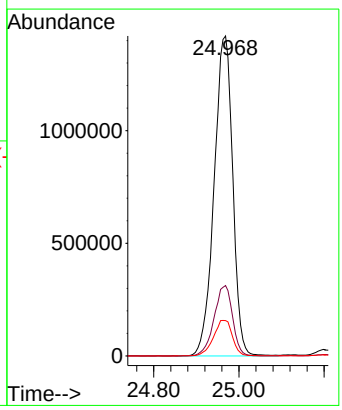


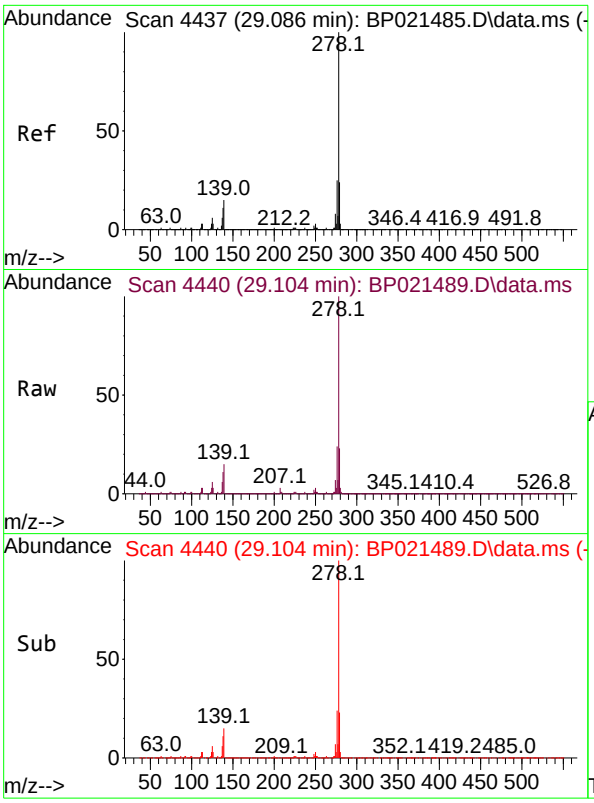


#90
Benzo(a)pyrene
Concen: 40.657 ng
RT: 24.968 min Scan# 3737
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4311183

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.1	8.7	13.1

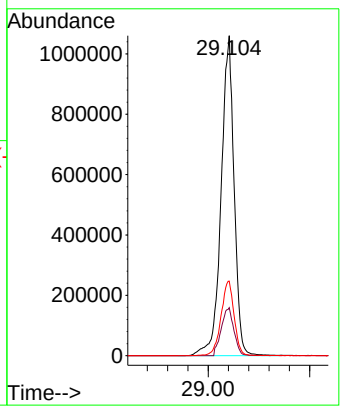




#91
Dibenzo(a,h)anthracene
Concen: 41.172 ng
RT: 29.104 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:278 Resp: 471781

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.4
279	23.3	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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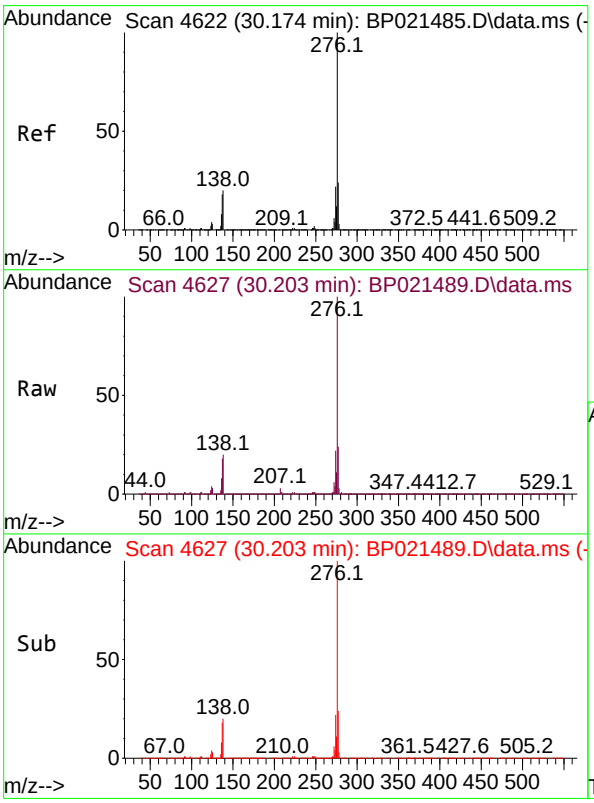
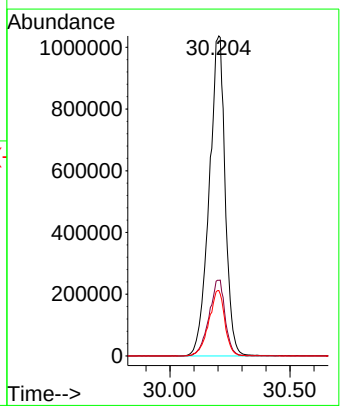
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 41.532 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 4769954

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.4	16.0	24.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00
2		1,4-Dioxane	0.639	0.606	5.2	125	0.00
3		Pyridine	1.783	1.803	-1.1	133	0.00
4		n-Nitrosodimethylamine	0.536	0.539	-0.6	134	0.00
5	S	2-Fluorophenol	1.347	1.361	-1.0	134	0.00
6		Aniline	1.964	2.043	-4.0	137	0.00
7	S	Phenol-d6	1.965	2.109	-7.3	141	0.00
8		2-Chlorophenol	1.245	1.316	-5.7	140	0.00
9		Benzaldehyde	1.258	1.272	-1.1	141	0.00
10	C	Phenol	2.035	2.167	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	1.722	1.788	-3.8	139	0.00
12		1,3-Dichlorobenzene	1.479	1.466	0.9	134	0.00
13	C	1,4-Dichlorobenzene	1.493	1.477	1.1	133	0.00
14		1,2-Dichlorobenzene	1.439	1.434	0.3	135	0.00
15		Benzyl Alcohol	1.410	1.567	-11.1	147	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.660	-4.7	142	0.00
17		2-Methylphenol	1.286	1.405	-9.3	144	0.00
18		Hexachloroethane	0.599	0.610	-1.8	136	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.469	-8.3	145	0.00
20		3+4-Methylphenols	1.734	1.945	-12.2	147	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	145	0.00
22		Acetophenone	0.614	0.613	0.2	145	0.00
23	S	Nitrobenzene-d5	0.387	0.433	-11.9	153#	0.00
24		Nitrobenzene	0.421	0.455	-8.1	149	0.00
25		Isophorone	0.915	0.931	-1.7	148	0.00
26	C	2-Nitrophenol	0.086	0.125	-45.3#	193#	0.00
27		2,4-Dimethylphenol	0.226	0.233	-3.1	150	0.00
28		bis(2-Chloroethoxy)methane	0.559	0.565	-1.1	149	0.00
29	C	2,4-Dichlorophenol	0.267	0.290	-8.6	154#	0.00
30		1,2,4-Trichlorobenzene	0.342	0.335	2.0	143	0.00
31		Naphthalene	1.045	1.035	1.0	144	0.00
32		Benzoic acid	0.137	0.187	-36.5#	210#	0.02
33		4-Chloroaniline	0.392	0.399	-1.8	146	0.00
34	C	Hexachlorobutadiene	0.215	0.211	1.9	142	0.00
35		Caprolactam	0.111	0.116	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	0.370	0.398	-7.6	151#	0.00
37		2-Methylnaphthalene	0.713	0.720	-1.0	148	0.00
38		1-Methylnaphthalene	0.703	0.706	-0.4	147	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.590	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	0.186	0.201	-8.1	157#	0.00
42	S	2,4,6-Tribromophenol	0.223	0.232	-4.0	147	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.360	-10.4	158#	0.00
44		2,4,5-Trichlorophenol	0.362	0.401	-10.8	157#	0.00
45	S	2-Fluorobiphenyl	1.310	1.288	1.7	146	0.00
46		1,1'-Biphenyl	1.415	1.399	1.1	147	0.00
47		2-Chloronaphthalene	1.102	1.093	0.8	147	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.256	0.328	-28.1#	172#	0.00
49		Acenaphthylene	1.619	1.600	1.2	146	0.01
50		Dimethylphthalate	1.339	1.310	2.2	145	0.00
51		2,6-Dinitrotoluene	0.232	0.276	-19.0	162#	0.00
52	C	Acenaphthene	1.063	1.046	1.6	146	0.00
53		3-Nitroaniline	0.228	0.264	-15.8	156#	0.00
54	P	2,4-Dinitrophenol	0.069	0.081	-17.4	184#	0.00
55		Dibenzofuran	1.635	1.575	3.7	143	0.00
56	P	4-Nitrophenol	0.195	0.205	-5.1	152#	-0.01
57		2,4-Dinitrotoluene	0.284	0.344	-21.1	161#	0.00
58		Fluorene	1.343	1.278	4.8	141	0.00
59		2,3,4,6-Tetrachlorophenol	0.307	0.325	-5.9	148	0.00
60		Diethylphthalate	1.374	1.297	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	0.694	0.673	3.0	145	0.00
62		4-Nitroaniline	0.241	0.257	-6.6	141	0.00
63		Azobenzene	1.689	1.598	5.4	140	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.068	-25.9#	172#	0.00
66	c	n-Nitrosodiphenylamine	0.536	0.564	-5.2	140	0.00
67		4-Bromophenyl-phenylether	0.212	0.224	-5.7	144	0.00
68		Hexachlorobenzene	0.250	0.257	-2.8	136	0.00
69		Atrazine	0.184	0.179	2.7	125	0.00
70	C	Pentachlorophenol	0.137	0.152	-10.9	148	0.00
71		Phenanthrene	0.962	0.951	1.1	131	0.00
72		Anthracene	0.943	0.935	0.8	131	0.00
73		Carbazole	0.909	0.851	6.4	122	0.00
74		Di-n-butylphthalate	1.116	1.075	3.7	125	0.00
75	C	Fluoranthene	1.180	1.071	9.2	119	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	106	0.02
77		Benzidine	0.420	0.354	15.7	79	0.00
78		Pyrene	1.307	1.407	-7.7	116	0.01
79	S	Terphenyl-d14	1.029	1.109	-7.8	117	0.01
80		Butylbenzylphthalate	0.437	0.510	-16.7	115	0.00
81		Benzo(a)anthracene	1.256	1.261	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	0.403	0.412	-2.2	102	0.00
83		Chrysene	1.185	1.178	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	0.742	0.805	-8.5	109	0.01
85	c	Di-n-octyl phthalate	1.199	1.270	-5.9	108	0.01
86	I	Perylene-d12	1.000	1.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	1.296	1.332	-2.8	102	0.00
88		Benzo(b)fluoranthene	1.149	1.160	-1.0	102	0.01
89		Benzo(k)fluoranthene	1.121	1.120	0.1	100	0.01
90	C	Benzo(a)pyrene	0.997	1.013	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	1.077	1.109	-3.0	103	0.02
92		Benzo(g,h,i)perylene	1.080	1.121	-3.8	104	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	132	0.00
2		1,4-Dioxane	40.000	37.948	5.1	125	0.00
3		Pyridine	40.000	40.445	-1.1	133	0.00
4		n-Nitrosodimethylamine	40.000	40.233	-0.6	134	0.00
5	S	2-Fluorophenol	80.000	80.810	-1.0	134	0.00
6		Aniline	40.000	41.596	-4.0	137	0.00
7	S	Phenol-d6	80.000	85.856	-7.3	141	0.00
8		2-Chlorophenol	40.000	42.300	-5.7	140	0.00
9		Benzaldehyde	40.000	40.434	-1.1	141	0.00
10	C	Phenol	40.000	42.607	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	40.000	41.543	-3.9	139	0.00
12		1,3-Dichlorobenzene	40.000	39.674	0.8	134	0.00
13	C	1,4-Dichlorobenzene	40.000	39.564	1.1	133	0.00
14		1,2-Dichlorobenzene	40.000	39.873	0.3	135	0.00
15		Benzyl Alcohol	40.000	44.472	-11.2	147	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.875	-4.7	142	0.00
17		2-Methylphenol	40.000	43.687	-9.2	144	0.00
18		Hexachloroethane	40.000	40.755	-1.9	136	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.304	-8.3	145	0.00
20		3+4-Methylphenols	40.000	44.850	-12.1	147	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	145	0.00
22		Acetophenone	40.000	39.936	0.2	145	0.00
23	S	Nitrobenzene-d5	80.000	89.361	-11.7	153	0.00
24		Nitrobenzene	40.000	43.244	-8.1	149	0.00
25		Isophorone	40.000	40.700	-1.8	148	0.00
26	C	2-Nitrophenol	40.000	47.780	-19.5	193	0.00
27		2,4-Dimethylphenol	40.000	41.179	-2.9	150	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.438	-1.1	149	0.00
29	C	2,4-Dichlorophenol	40.000	43.442	-8.6	154	0.00
30		1,2,4-Trichlorobenzene	40.000	39.146	2.1	143	0.00
31		Naphthalene	40.000	39.629	0.9	144	0.00
32		Benzoic acid	40.000	49.839	-24.6	210	0.02
33		4-Chloroaniline	40.000	40.617	-1.5	146	0.00
34	C	Hexachlorobutadiene	40.000	39.102	2.2	142	0.00
35		Caprolactam	40.000	41.786	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.987	-7.5	151	0.00
37		2-Methylnaphthalene	40.000	40.412	-1.0	148	0.00
38		1-Methylnaphthalene	40.000	40.173	-0.4	147	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.261	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	40.000	43.183	-8.0	157	0.00
42	S	2,4,6-Tribromophenol	80.000	83.477	-4.3	147	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.249	-10.6	158	0.00
44		2,4,5-Trichlorophenol	40.000	44.396	-11.0	157	0.00
45	S	2-Fluorobiphenyl	80.000	78.649	1.7	146	0.00
46		1,1'-Biphenyl	40.000	39.542	1.1	147	0.00
47		2-Chloronaphthalene	40.000	39.695	0.8	147	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.044	-7.6	172	0.00
49		Acenaphthylene	40.000	39.531	1.2	146	0.01
50		Dimethylphthalate	40.000	39.127	2.2	145	0.00
51		2,6-Dinitrotoluene	40.000	41.424	-3.6	162	0.00
52	C	Acenaphthene	40.000	39.366	1.6	146	0.00
53		3-Nitroaniline	40.000	40.483	-1.2	156	0.00
54	P	2,4-Dinitrophenol	40.000	45.065	-12.7	184	0.00
55		Dibenzofuran	40.000	38.543	3.6	143	0.00
56	P	4-Nitrophenol	40.000	39.582	1.0	152	-0.01
57		2,4-Dinitrotoluene	40.000	40.864	-2.2	161	0.00
58		Fluorene	40.000	38.055	4.9	141	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.310	-5.8	148	0.00
60		Diethylphthalate	40.000	37.752	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.777	3.1	145	0.00
62		4-Nitroaniline	40.000	38.254	4.4	141	0.00
63		Azobenzene	40.000	37.833	5.4	140	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.281	-15.7	172	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.093	-5.2	140	0.00
67		4-Bromophenyl-phenylether	40.000	42.289	-5.7	144	0.00
68		Hexachlorobenzene	40.000	41.161	-2.9	136	0.00
69		Atrazine	40.000	38.851	2.9	125	0.00
70	C	Pentachlorophenol	40.000	44.446	-11.1	148	0.00
71		Phenanthrene	40.000	39.541	1.1	131	0.00
72		Anthracene	40.000	39.639	0.9	131	0.00
73		Carbazole	40.000	37.457	6.4	122	0.00
74		Di-n-butylphthalate	40.000	38.509	3.7	125	0.00
75	C	Fluoranthene	40.000	36.288	9.3	119	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	106	0.02
77		Benzidine	40.000	30.320	24.2	79	0.00
78		Pyrene	40.000	43.044	-7.6	116	0.01
79	S	Terphenyl-d14	80.000	86.216	-7.8	117	0.01
80		Butylbenzylphthalate	40.000	41.647	-4.1	115	0.00
81		Benzo(a)anthracene	40.000	40.172	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	40.000	40.936	-2.3	102	0.00
83		Chrysene	40.000	39.759	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	43.381	-8.5	109	0.01
85	c	Di-n-octyl phthalate	40.000	39.871	0.3	108	0.01
86	I	Perylene-d12	20.000	20.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.105	-2.8	102	0.00
88		Benzo(b)fluoranthene	40.000	40.381	-1.0	102	0.01
89		Benzo(k)fluoranthene	40.000	39.984	0.0	100	0.01
90	C	Benzo(a)pyrene	40.000	40.657	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	40.000	41.172	-2.9	103	0.02
92		Benzo(g,h,i)perylene	40.000	41.532	-3.8	104	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BM047273.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3645 SAS No.: P3645 SDG No.: P3645

Instrument ID: BNA_M Calibration Date/Time: 08/20/2024 16:55

Lab File ID: BM047273.D Init. Calib. Date(s): 08/10/2024 08/10/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:12 17:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.360	1.085		-20.2	
2-Fluorophenol	1.119	0.994		-11.2	
Benzaldehyde	0.904	0.745		-17.6	
Phenol-d6	1.542	1.269		-17.7	
2-Methylphenol	1.027	0.857		-16.6	
3+4-Methylphenols	1.435	1.166		-18.7	
Nitrobenzene-d5	0.397	0.350		-11.8	
Hexachloroethane	0.569	0.522		-8.3	
Nitrobenzene	0.400	0.355		-11.3	
Naphthalene	0.996	0.903		-9.3	
Hexachlorobutadiene	0.204	0.220		7.8	20.0
2-Methylnaphthalene	0.709	0.628		-11.4	
2,4,6-Trichlorophenol	0.388	0.386		-0.5	20.0
2-Fluorobiphenyl	1.297	1.251		-3.5	
2,4,5-Trichlorophenol	0.430	0.425		-1.2	
Acenaphthylene	1.640	1.497		-8.7	
Acenaphthene	1.041	0.935		-10.2	20.0
Dibenzofuran	1.644	1.484		-9.7	
2,4-Dinitrotoluene	0.436	0.377		-13.5	
Fluorene	1.356	1.194		-11.9	
2,4,6-Tribromophenol	0.232	0.214		-7.8	
Hexachlorobenzene	0.231	0.228		-1.3	
Pentachlorophenol	0.162	0.152		-6.2	20.0
Phenanthrene	1.004	0.897		-10.7	
Anthracene	0.977	0.887		-9.2	
Carbazole	0.997	0.851		-14.6	
Di-n-butylphthalate	1.160	1.035		-10.8	
Fluoranthene	1.221	1.031		-15.6	20.0
Pyrene	1.428	1.417		-0.8	
Terphenyl-d14	0.933	0.957		2.6	
Benzo(a)anthracene	1.328	1.232		-7.2	
Chrysene	1.260	1.143		-9.3	
Bis(2-ethylhexyl)phthalate	0.826	0.826		0.0	
Benzo(b)fluoranthene	1.188	1.051		-11.5	
Benzo(k)fluoranthene	1.122	0.960		-14.4	
Benzo(a)pyrene	1.029	0.911		-11.5	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.186		-8.3	
Dibenzo(a,h)anthracene	1.046	0.962		-8.0	
Benzo(g,h,i)perylene	1.086	1.017		-6.4	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3645 SAS No.: P3645 SDG No.: P3645

Instrument ID: BNA_M Calibration Date/Time: 08/20/2024 16:55

Lab File ID: BM047273.D Init. Calib. Date(s): 08/10/2024 08/10/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:12 17:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.464	0.414		-10.8	20.0
1-Methylnaphthalene	0.701	0.614		-12.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.357	152	329969	20.000	ng	-0.02
21) Naphthalene-d8	10.116	136	1193764	20.000	ng	-0.02
39) Acenaphthene-d10	14.022	164	731367	20.000	ng	-0.01
64) Phenanthrene-d10	16.786	188	1421243	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1062416	20.000	ng	0.00
86) Perylene-d12	23.721	264	1267877	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1312414	71.070	ng	0.00
7) Phenol-d6	6.575	99	1674677	65.815	ng	-0.01
23) Nitrobenzene-d5	8.510	82	1669423	70.417	ng	-0.01
42) 2,4,6-Tribromophenol	15.533	330	626403	73.866	ng	0.00
45) 2-Fluorobiphenyl	12.628	172	3659800	77.189	ng	-0.02
79) Terphenyl-d14	19.451	244	4066401	82.014	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	273247	35.712	ng	97
3) Pyridine	3.405	79	715784	31.902	ng	97
4) n-Nitrosodimethylamine	3.328	42	314835	32.118	ng	97
6) Aniline	6.710	93	769145	31.980	ng	98
8) 2-Chlorophenol	6.940	128	705274	35.017	ng	97
9) Benzaldehyde	6.528	77	491593	35.040	ng	99
10) Phenol	6.598	94	822321	32.387	ng	99
11) bis(2-Chloroethyl)ether	6.810	93	716009	32.930	ng	99
12) 1,3-Dichlorobenzene	7.246	146	892310	37.282	ng	97
13) 1,4-Dichlorobenzene	7.393	146	891432	36.786	ng	99
14) 1,2-Dichlorobenzene	7.704	146	826199	36.135	ng	99
15) Benzyl Alcohol	7.610	79	585565	32.335	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.898	45	874859	31.356	ng	99
17) 2-Methylphenol	7.822	107	565669	33.395	ng	99
18) Hexachloroethane	8.410	117	344257	36.675	ng	94
19) n-Nitroso-di-n-propyla...	8.169	70	510454	29.782	ng	99
20) 3+4-Methylphenols	8.151	107	769596	32.499	ng	99
22) Acetophenone	8.181	105	1017954	35.327	ng	99
24) Nitrobenzene	8.551	77	847306	35.493	ng	97
25) Isophorone	9.075	82	1422967	34.472	ng	98
26) 2-Nitrophenol	9.251	139	412755	39.041	ng	94
27) 2,4-Dimethylphenol	9.334	122	454573	36.706	ng	99
28) bis(2-Chloroethoxy)met...	9.557	93	917781	35.335	ng	100
29) 2,4-Dichlorophenol	9.787	162	715708	38.949	ng	98
30) 1,2,4-Trichlorobenzene	9.987	180	834158	40.114	ng	99
31) Naphthalene	10.163	128	2157087	36.272	ng	99
32) Benzoic acid	9.516	122	520543	36.179	ng	98
33) 4-Chloroaniline	10.292	127	782324	34.209	ng	99
34) Hexachlorobutadiene	10.451	225	525586	43.182	ng	99
35) Caprolactam	11.098	113	200846	31.474	ng	95
36) 4-Chloro-3-methylphenol	11.445	107	663962	33.928	ng	96
37) 2-Methylnaphthalene	11.792	142	1499268	35.408	ng	98
38) 1-Methylnaphthalene	12.016	142	1466661	35.048	ng	98
40) 1,2,4,5-Tetrachloroben...	12.175	216	855241	42.873	ng	98
41) Hexachlorocyclopentadiene	12.145	237	259819	37.300	ng	97
43) 2,4,6-Trichlorophenol	12.433	196	564405	39.807	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	621795	39.498	ng		97
46) 1,1'-Biphenyl	12.839	154	1944726	37.350	ng		100
47) 2-Chloronaphthalene	12.875	162	1511812	37.149	ng		98
48) 2-Nitroaniline	13.104	65	431622	33.855	ng		97
49) Acenaphthylene	13.739	152	2189181	36.494	ng		100
50) Dimethylphthalate	13.498	163	1801315	35.265	ng		99
51) 2,6-Dinitrotoluene	13.622	165	435475	36.470	ng		88
52) Acenaphthene	14.086	154	1368311	35.959	ng		100
53) 3-Nitroaniline	13.951	138	402094	33.606	ng		97
54) 2,4-Dinitrophenol	14.169	184	234044	32.704	ng		94
55) Dibenzofuran	14.427	168	2170780	36.117	ng		98
56) 4-Nitrophenol	14.298	139	315157	30.546	ng		100
57) 2,4-Dinitrotoluene	14.422	165	551672	34.614	ng		97
58) Fluorene	15.080	166	1746821	35.223	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.669	232	492153	38.039	ng		94
60) Diethylphthalate	14.880	149	1774218	34.014	ng		98
61) 4-Chlorophenyl-phenyle...	15.086	204	864847	36.631	ng		96
62) 4-Nitroaniline	15.127	138	371797	31.542	ng		95
63) Azobenzene	15.380	77	1599192	32.335	ng		96
65) 4,6-Dinitro-2-methylph...	15.192	198	321066	38.584	ng		92
66) n-Nitrosodiphenylamine	15.310	169	1462129	37.770	ng		99
67) 4-Bromophenyl-phenylether	15.986	248	556270	40.618	ng		96
68) Hexachlorobenzene	16.092	284	648467	39.535	ng		95
69) Atrazine	16.280	200	379503	32.579	ng		98
70) Pentachlorophenol	16.445	266	430757	37.465	ng		99
71) Phenanthrene	16.827	178	2549232	35.740	ng		99
72) Anthracene	16.915	178	2521120	36.326	ng		100
73) Carbazole	17.198	167	2419855	34.149	ng		100
74) Di-n-butylphthalate	17.780	149	2942272	35.685	ng		100
75) Fluoranthene	18.862	202	2930737	33.781	ng		99
77) Benzidine	19.068	184	920392	51.085	ng		99
78) Pyrene	19.227	202	3009886	39.677	ng		99
80) Butylbenzylphthalate	20.168	149	1246855	40.275	ng		93
81) Benzo(a)anthracene	21.009	228	2616899	37.104	ng		100
82) 3,3'-Dichlorobenzidine	20.951	252	854062	38.703	ng		99
83) Chrysene	21.062	228	2429241	36.303	ng		99
84) Bis(2-ethylhexyl)phtha...	20.968	149	1755081	39.975	ng	#	99
85) Di-n-octyl phthalate	21.997	149	2964286	39.723	ng		98
87) Indeno(1,2,3-cd)pyrene	26.721	276	3007575	36.699	ng		98
88) Benzo(b)fluoranthene	22.880	252	2664466	35.387	ng		99
89) Benzo(k)fluoranthene	22.933	252	2433193	34.213	ng		100
90) Benzo(a)pyrene	23.597	252	2309770	35.412	ng		99
91) Dibenzo(a,h)anthracene	26.768	278	2438519	36.768	ng		100
92) Benzo(g,h,i)perylene	27.650	276	2577962	37.438	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
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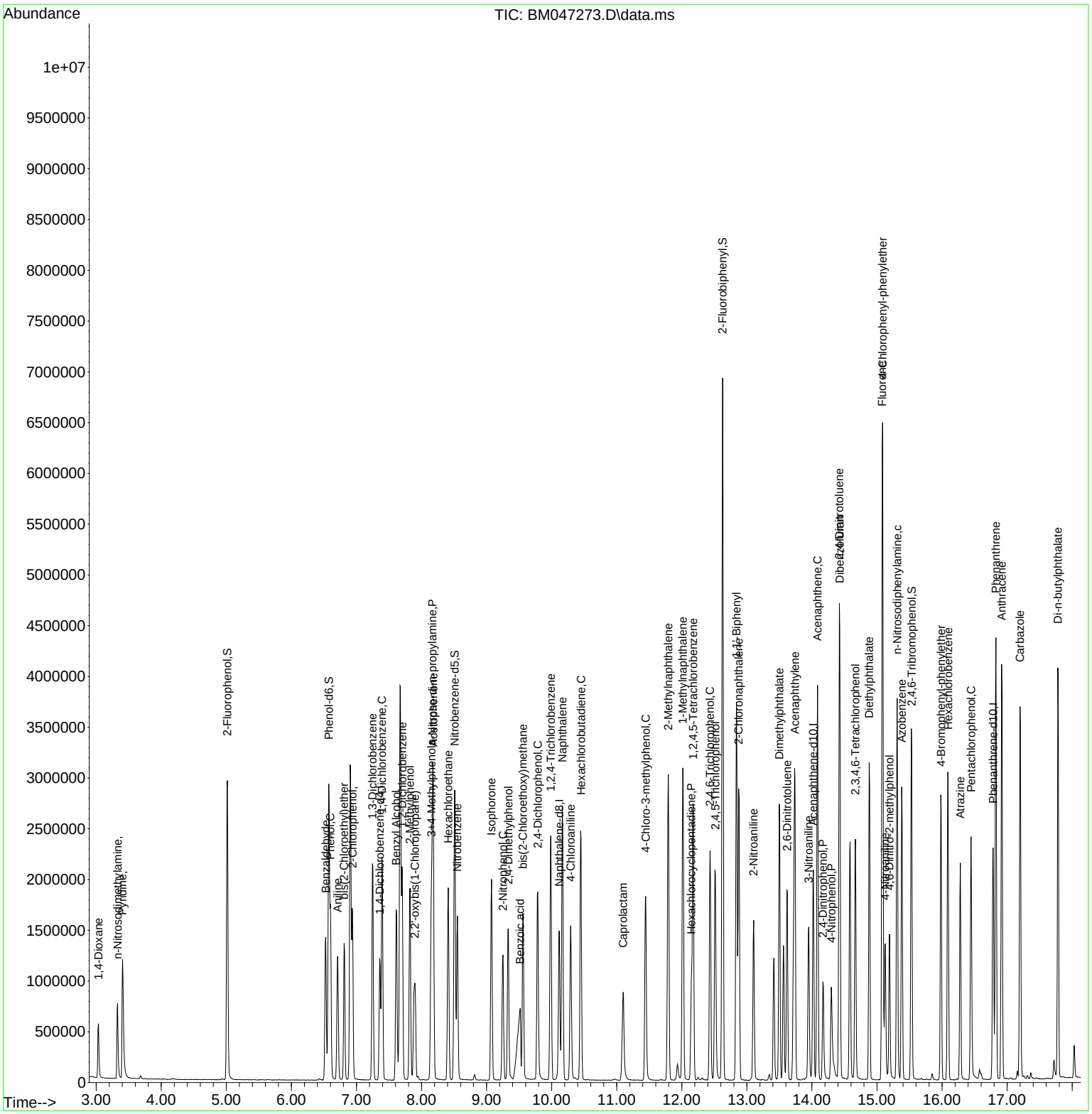

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
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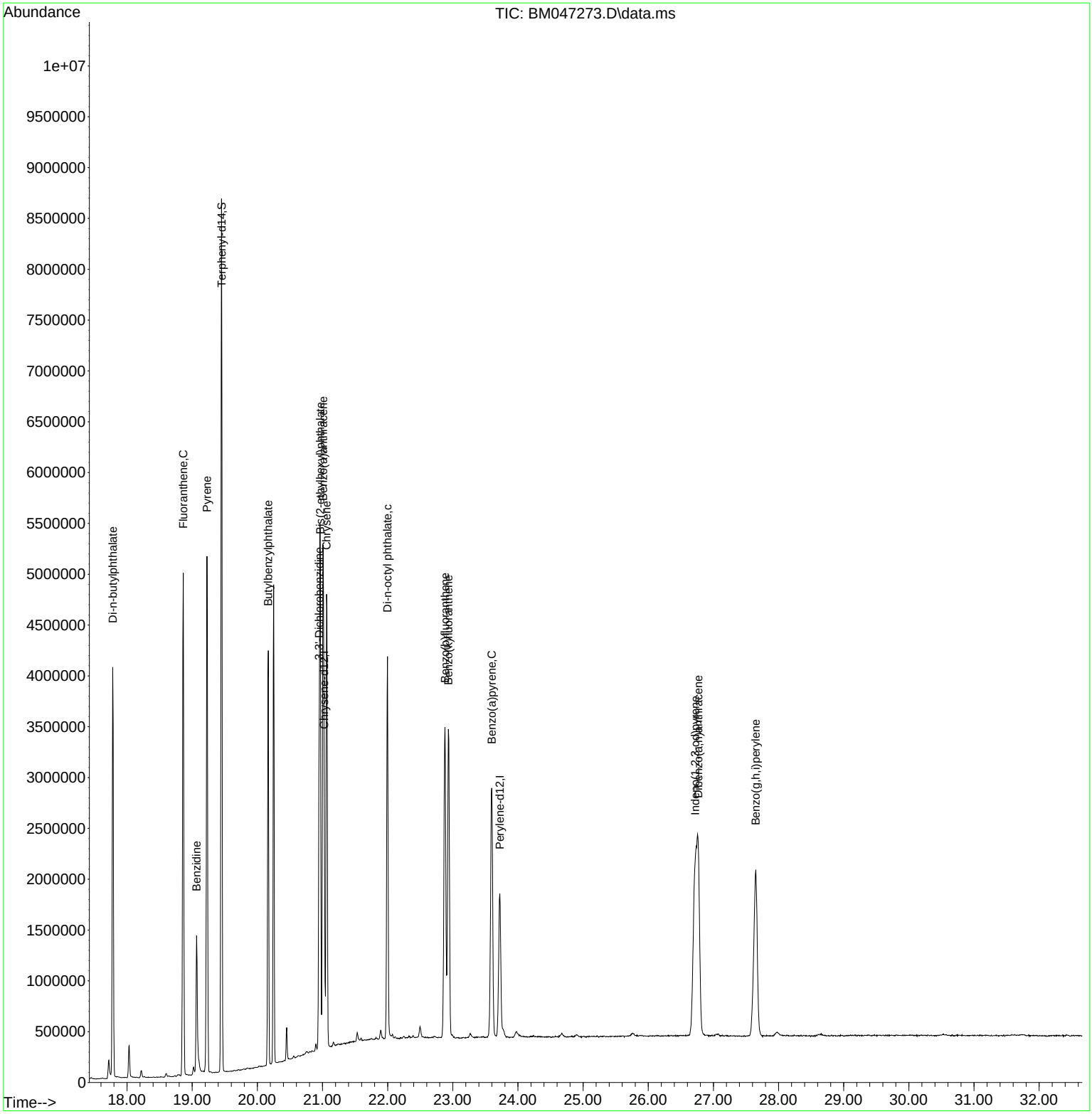
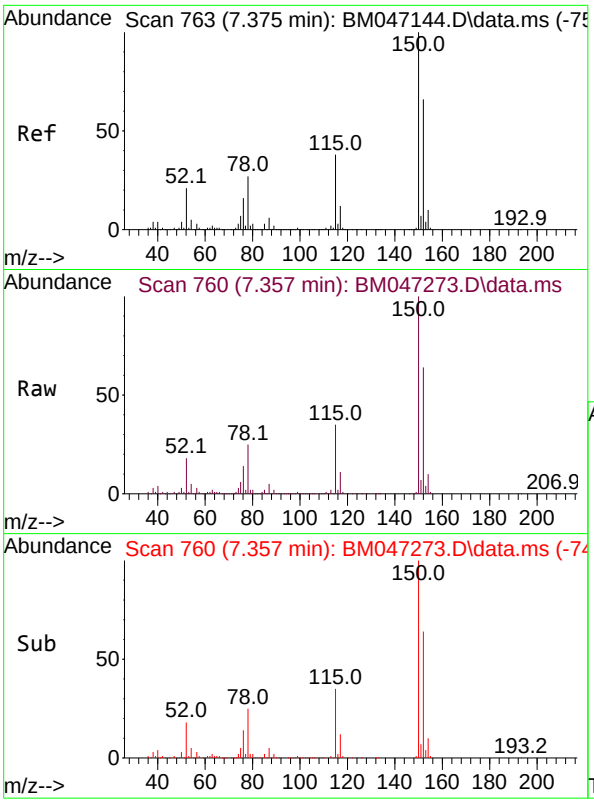


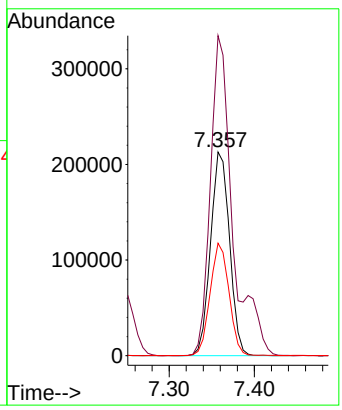


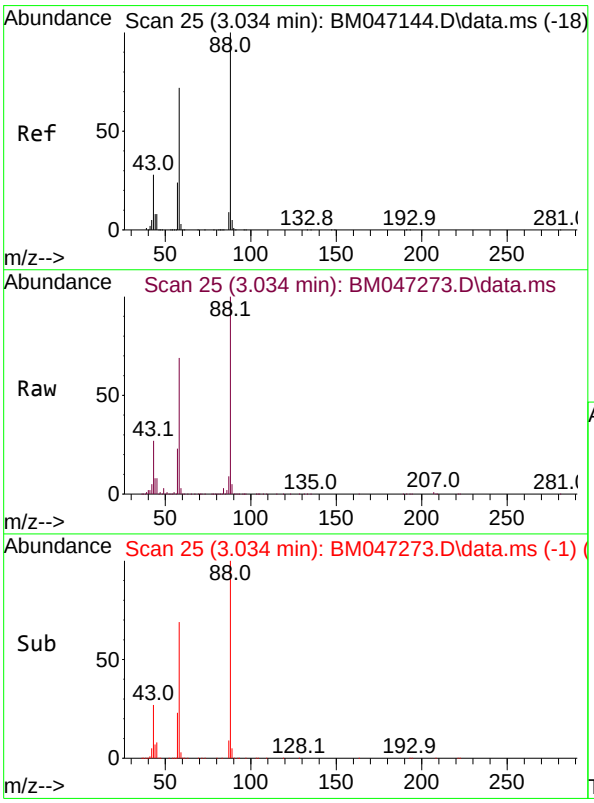
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.357 min Scan# 7
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 329969

Ion	Ratio	Lower	Upper
152	100		
150	157.1	120.5	180.7
115	55.2	45.5	68.3

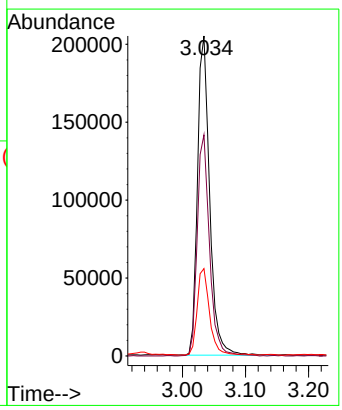


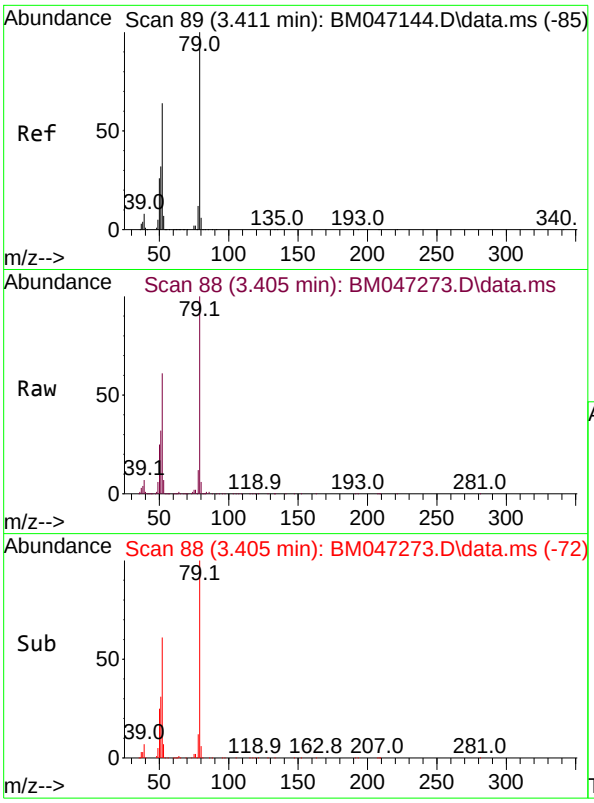


#2
1,4-Dioxane
Concen: 35.712 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 88 Resp: 273247

Ion	Ratio	Lower	Upper
88	100		
58	69.8	58.2	87.4
43	27.7	22.5	33.7



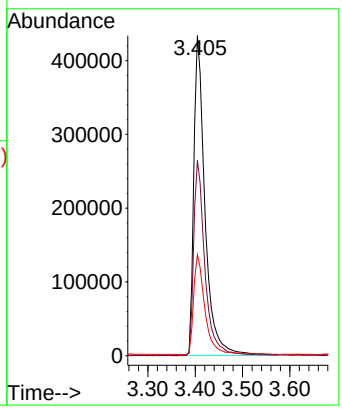


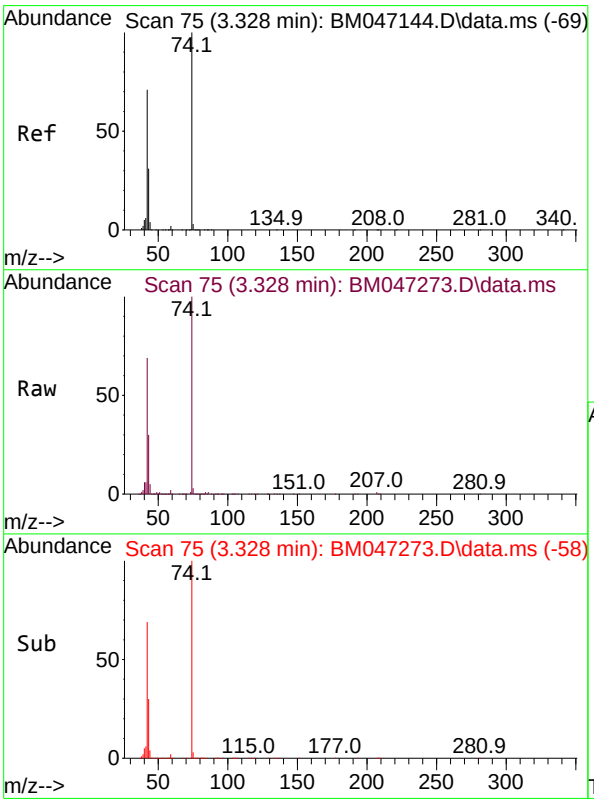
#3
Pyridine
Concen: 31.902 ng
RT: 3.405 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 715784

Ion	Ratio	Lower	Upper
79	100		
52	61.0	51.2	76.8
51	31.5	26.1	39.1

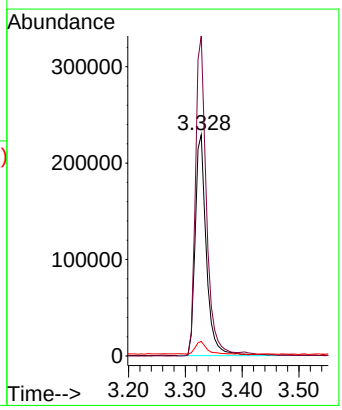


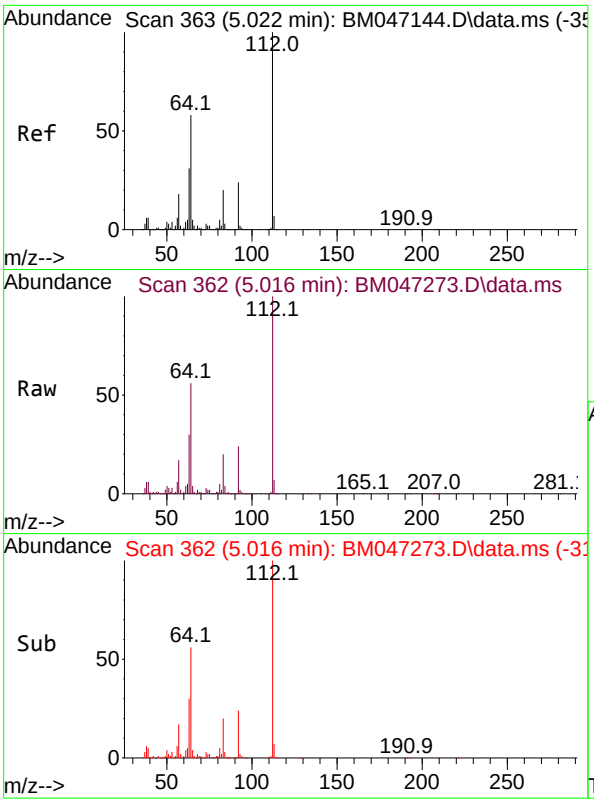


#4
n-Nitrosodimethylamine
Concen: 32.118 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 42 Resp: 314835

Ion	Ratio	Lower	Upper
42	100		
74	144.7	112.9	169.3
44	6.6	5.3	7.9



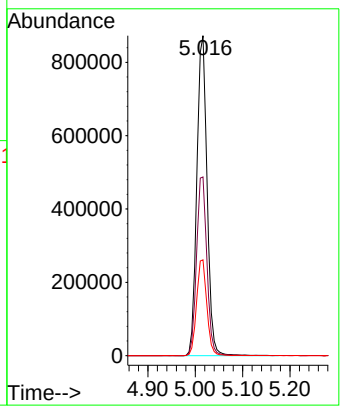


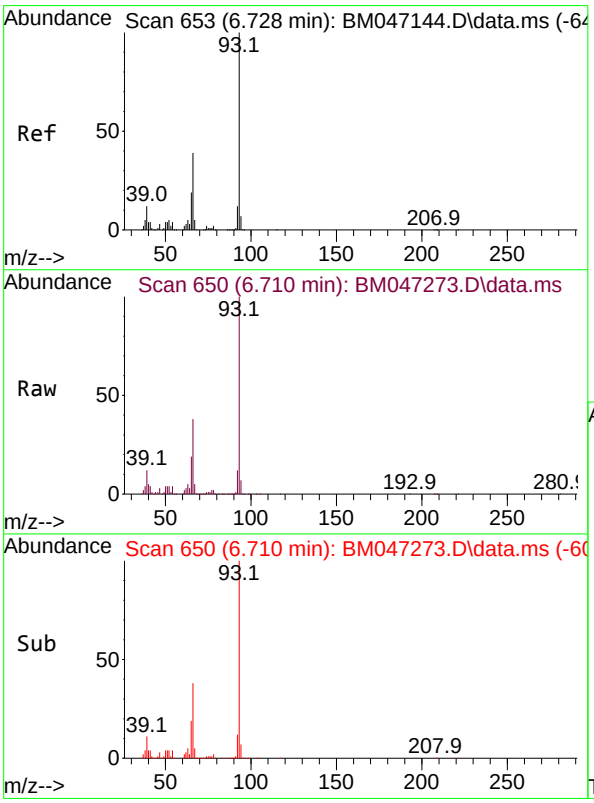
#5
2-Fluorophenol
Concen: 71.070 ng
RT: 5.016 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1312414

Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.7	70.1
63	29.9	24.8	37.2

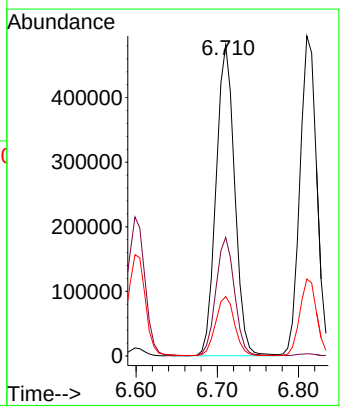


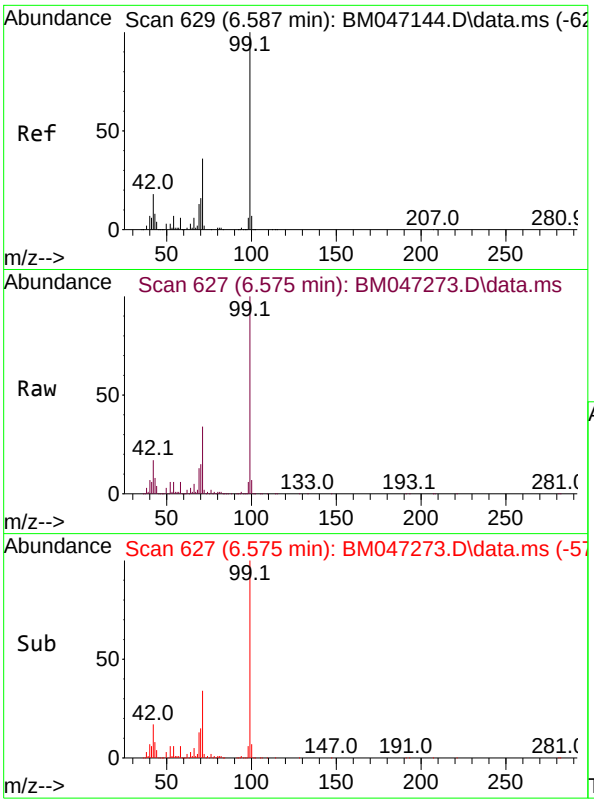


#6
Aniline
Concen: 31.980 ng
RT: 6.710 min Scan# 650
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 93 Resp: 769145

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.4	47.2
65	19.1	15.6	23.4



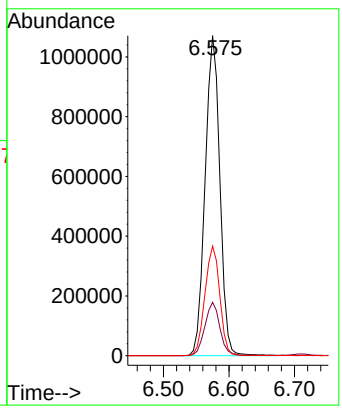


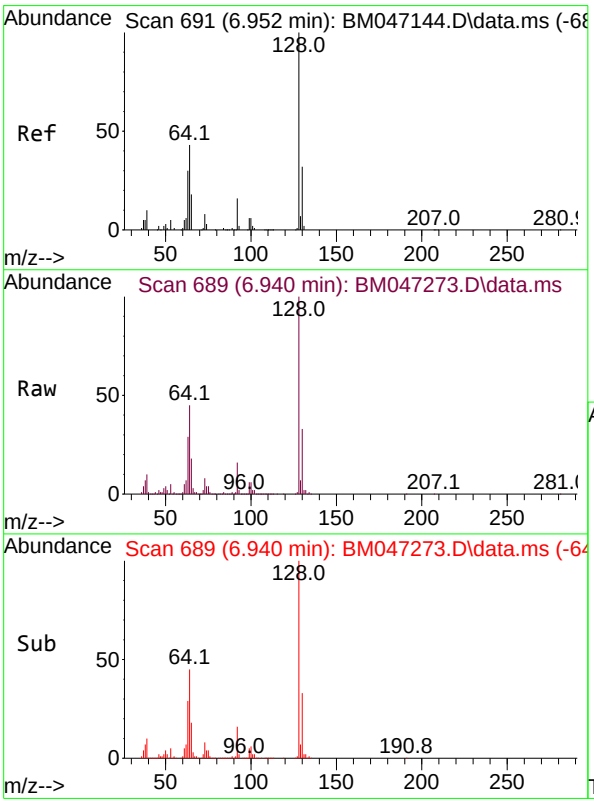
#7
Phenol-d6
Concen: 65.815 ng
RT: 6.575 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1674677

Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.1	21.1
71	34.2	28.5	42.7

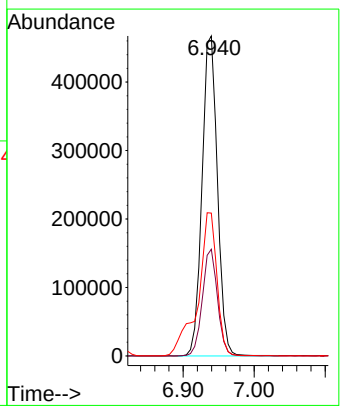


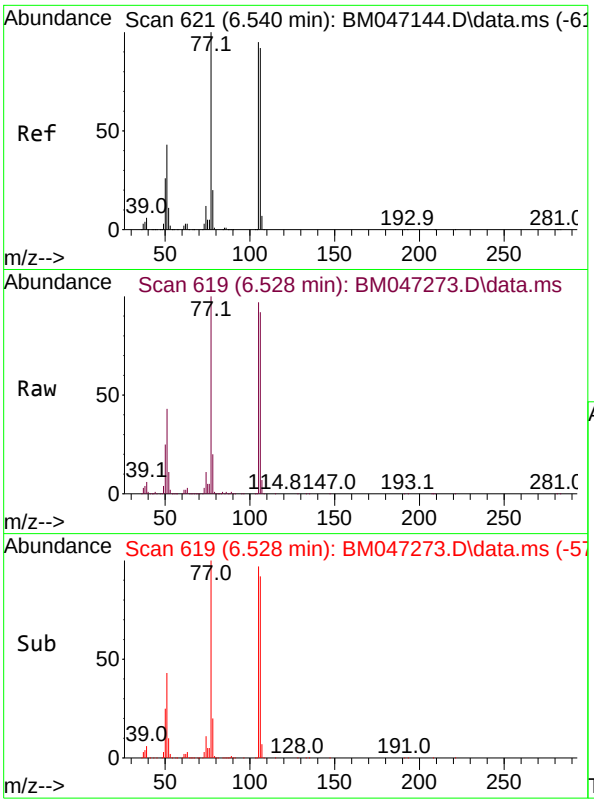


#8
2-Chlorophenol
Concen: 35.017 ng
RT: 6.940 min Scan# 689
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:128 Resp: 705274

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.1	52.1
64	44.7	26.6	66.6



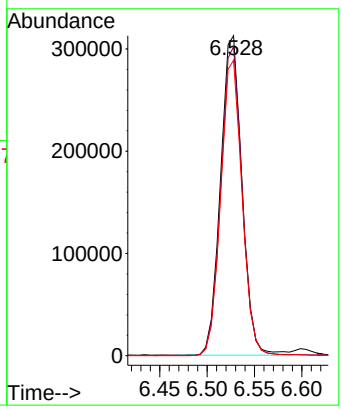


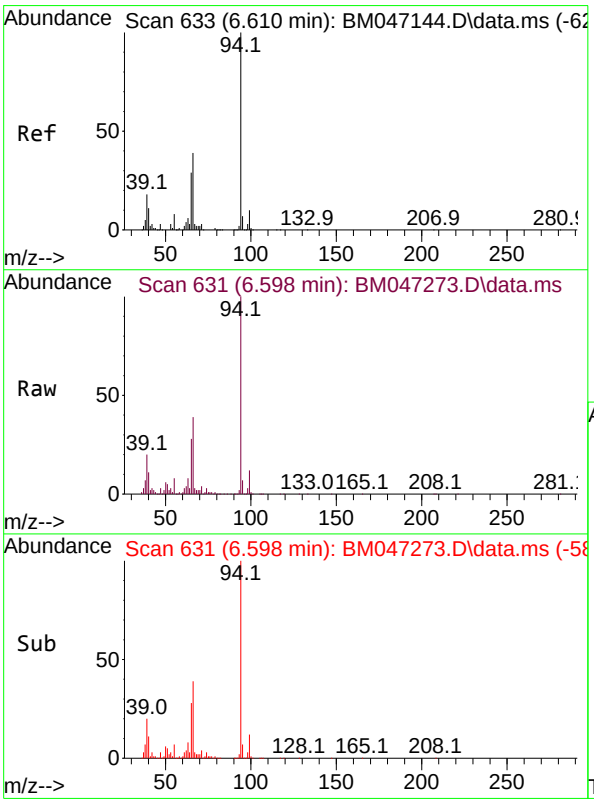
#9
Benzaldehyde
Concen: 35.040 ng
RT: 6.528 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 491593

Ion	Ratio	Lower	Upper
77	100		
105	96.5	74.5	114.5
106	92.3	72.3	112.3

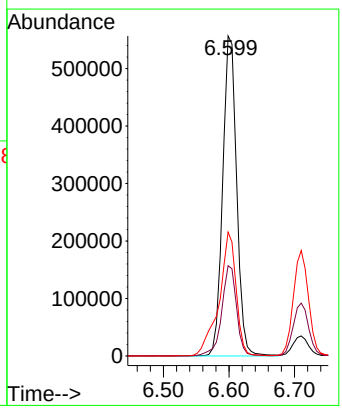


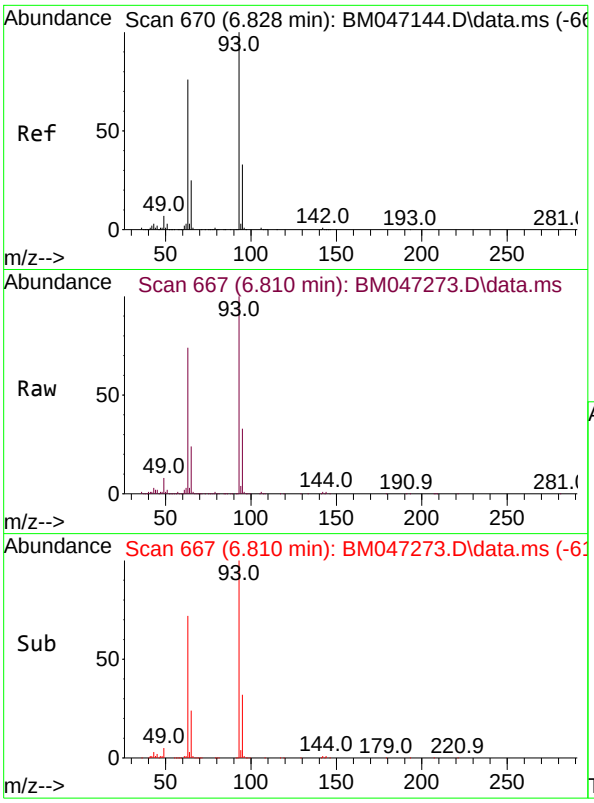


#10
Phenol
Concen: 32.387 ng
RT: 6.598 min Scan# 631
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 94 Resp: 822321

Ion	Ratio	Lower	Upper
94	100		
65	28.2	9.0	49.0
66	38.7	18.9	58.9



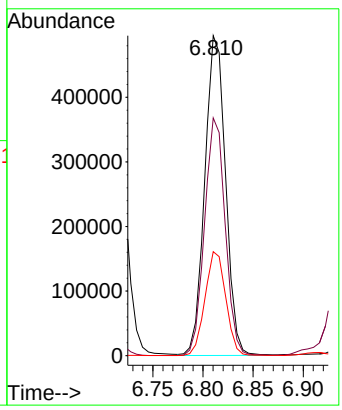


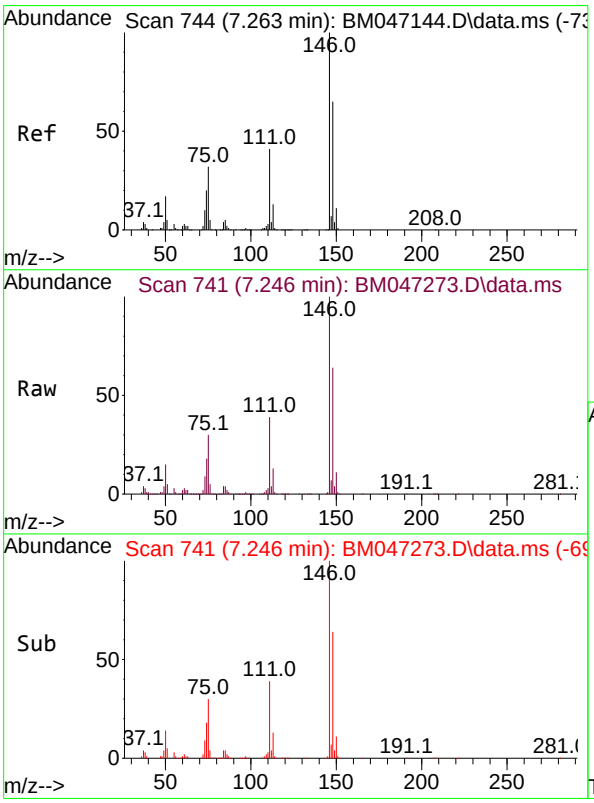
#11
bis(2-Chloroethyl)ether
Concen: 32.930 ng
RT: 6.810 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 716009

Ion	Ratio	Lower	Upper
93	100		
63	74.3	55.8	95.8
95	32.5	12.7	52.7

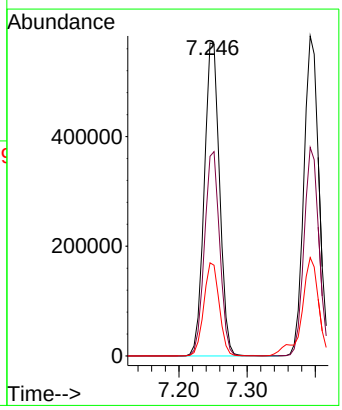


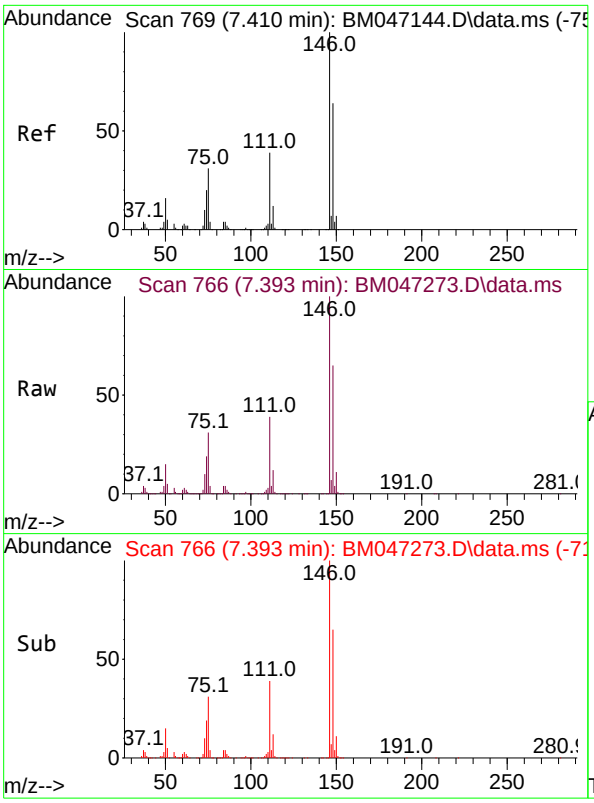


#12
1,3-Dichlorobenzene
Concen: 37.282 ng
RT: 7.246 min Scan# 741
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:146 Resp: 892310

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.3	78.5
75	29.8	25.8	38.6



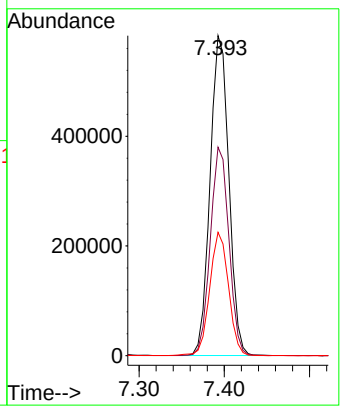


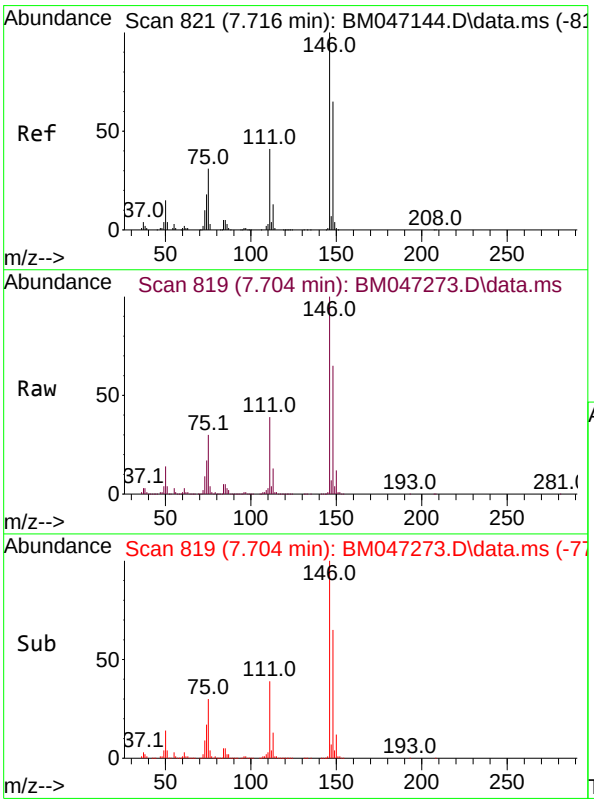
#13
1,4-Dichlorobenzene
Concen: 36.786 ng
RT: 7.393 min Scan# 7
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 891432

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.4	77.2
111	38.5	31.5	47.3

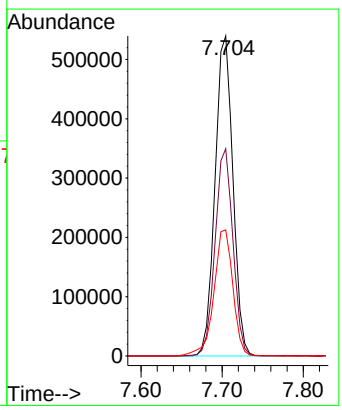


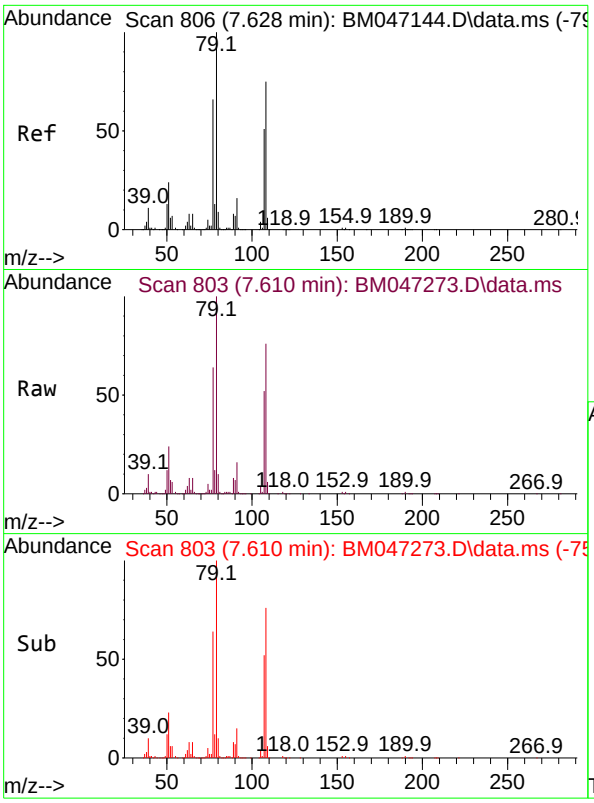


#14
1,2-Dichlorobenzene
Concen: 36.135 ng
RT: 7.704 min Scan# 819
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:146 Resp: 826199

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	39.4	33.3	49.9



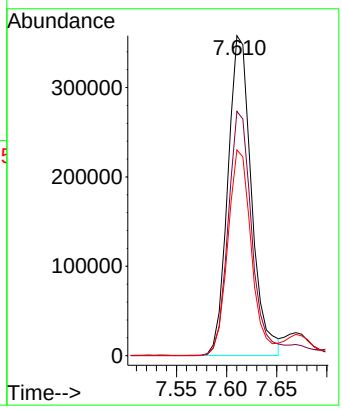


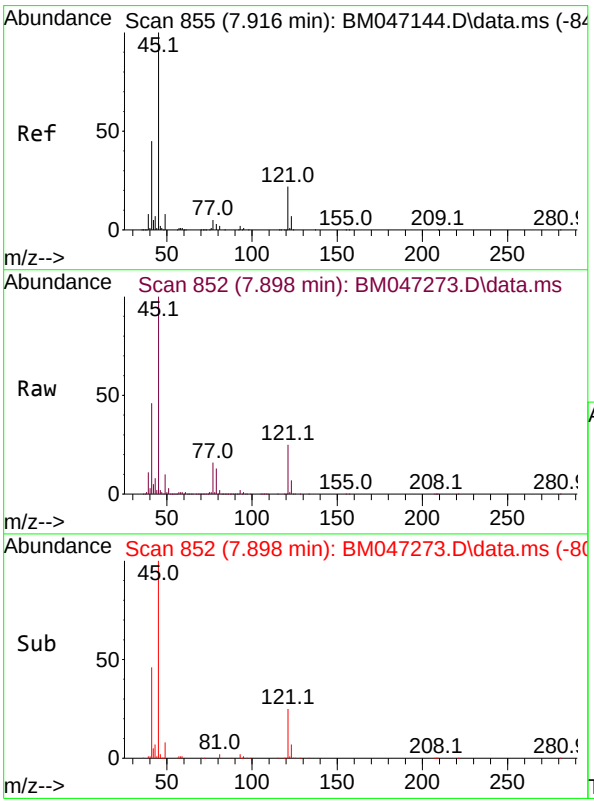
#15
Benzyl Alcohol
Concen: 32.335 ng
RT: 7.610 min Scan# 80
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 585565

Ion	Ratio	Lower	Upper
79	100		
108	76.4	59.7	89.5
77	64.3	52.9	79.3

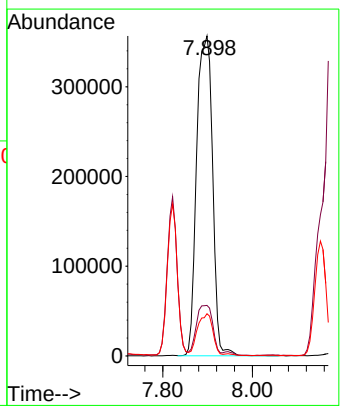


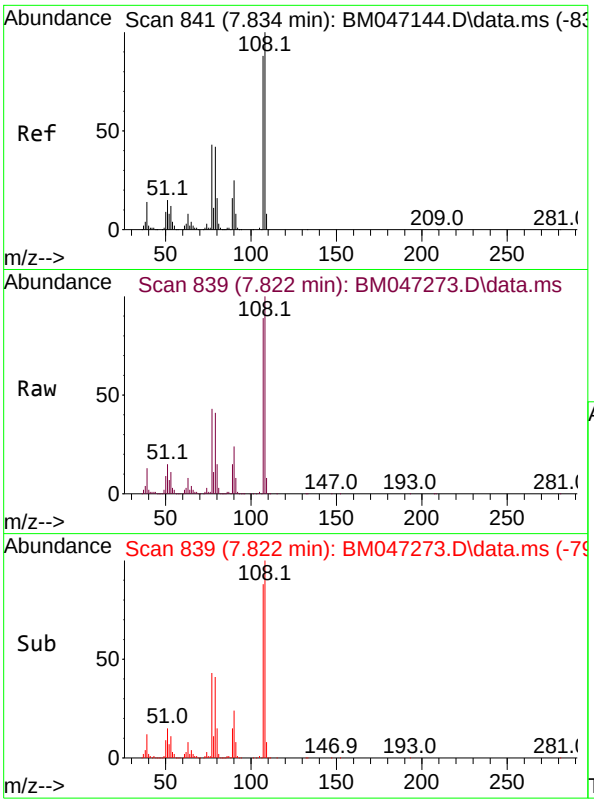


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.356 ng
RT: 7.898 min Scan# 852
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 45 Resp: 874859

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	35.6
79	13.2	0.0	32.4



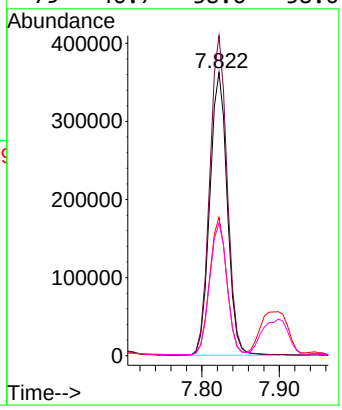


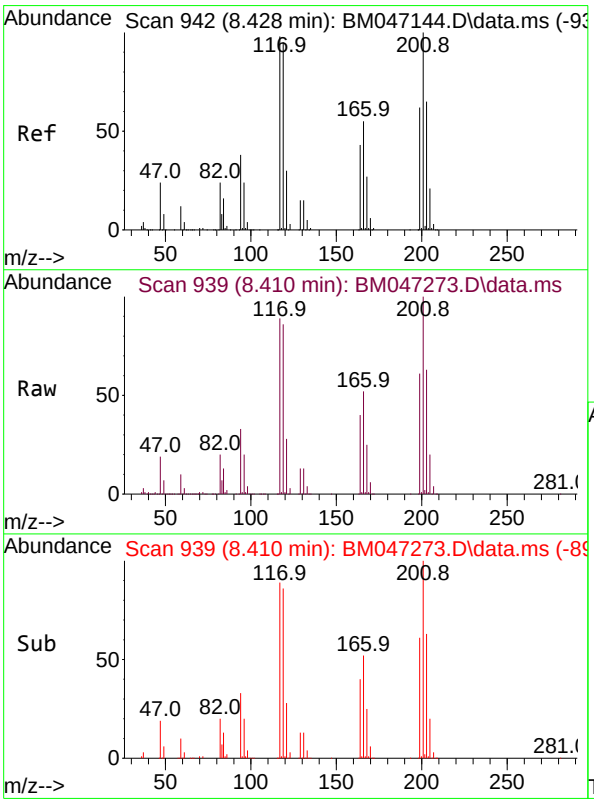
#17
2-Methylphenol
Concen: 33.395 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 565669

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.6	135.8
77	48.9	39.3	58.9
79	46.7	38.6	58.0

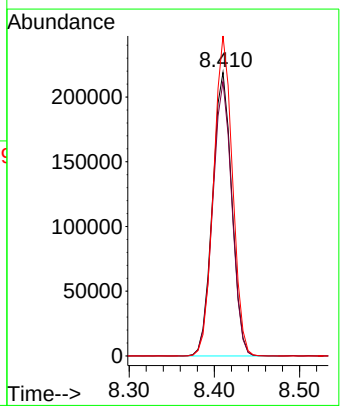


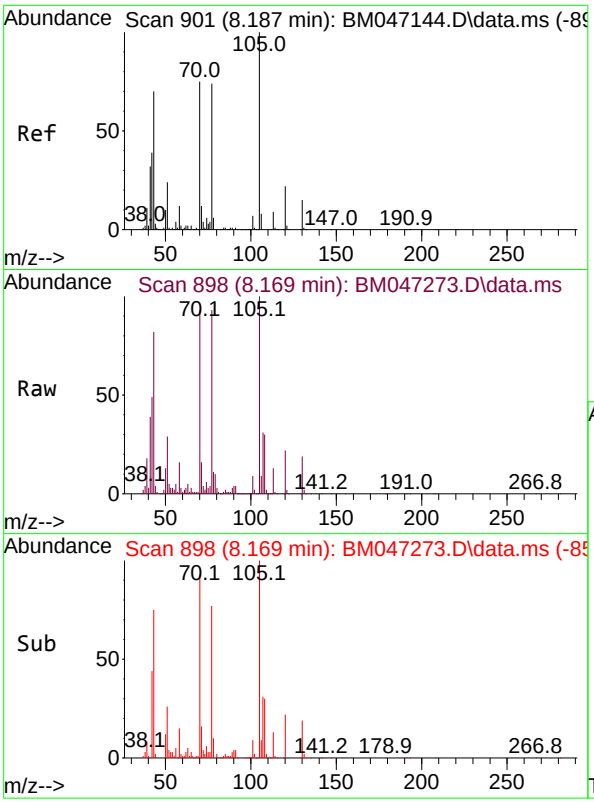


#18
Hexachloroethane
Concen: 36.675 ng
RT: 8.410 min Scan# 939
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:117 Resp: 344257

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.4
201	112.9	81.3	121.9



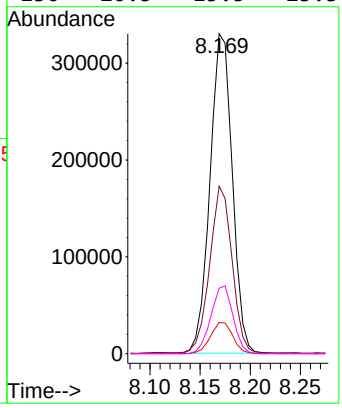


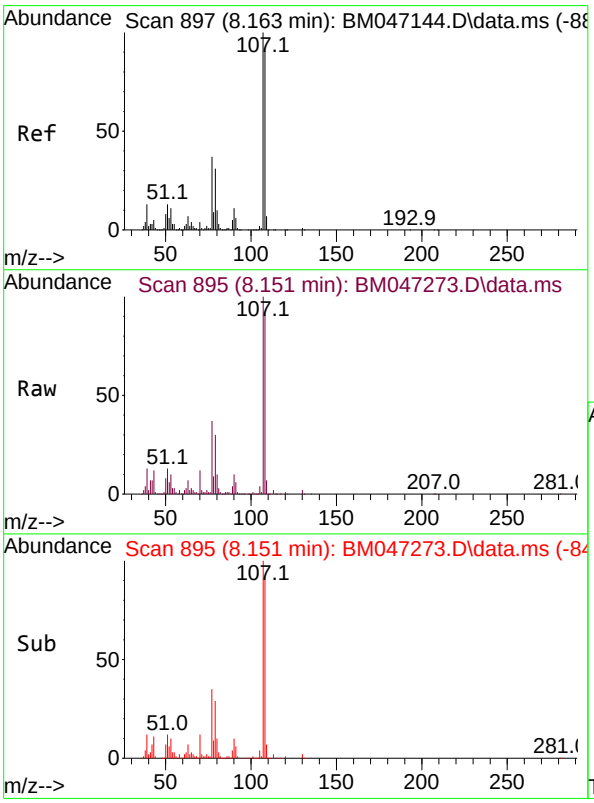
#19
n-Nitroso-di-n-propylamine
Concen: 29.782 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 510454

Ion	Ratio	Lower	Upper
70	100		
42	52.4	42.0	63.0
101	9.8	7.2	10.8
130	20.5	15.5	23.3

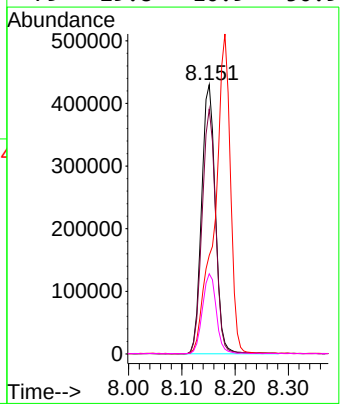


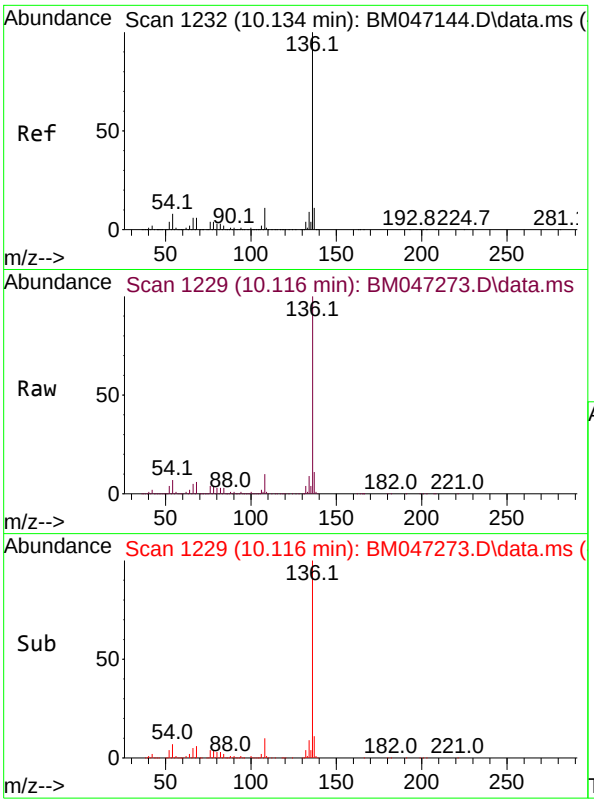


#20
3+4-Methylphenols
Concen: 32.499 ng
RT: 8.151 min Scan# 895
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:107 Resp: 769596

Ion	Ratio	Lower	Upper
107	100		
108	91.0	70.7	110.7
77	36.6	17.4	57.4
79	29.8	10.9	50.9



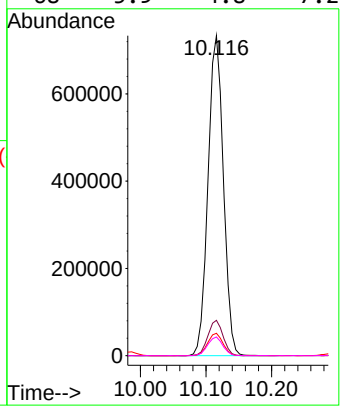


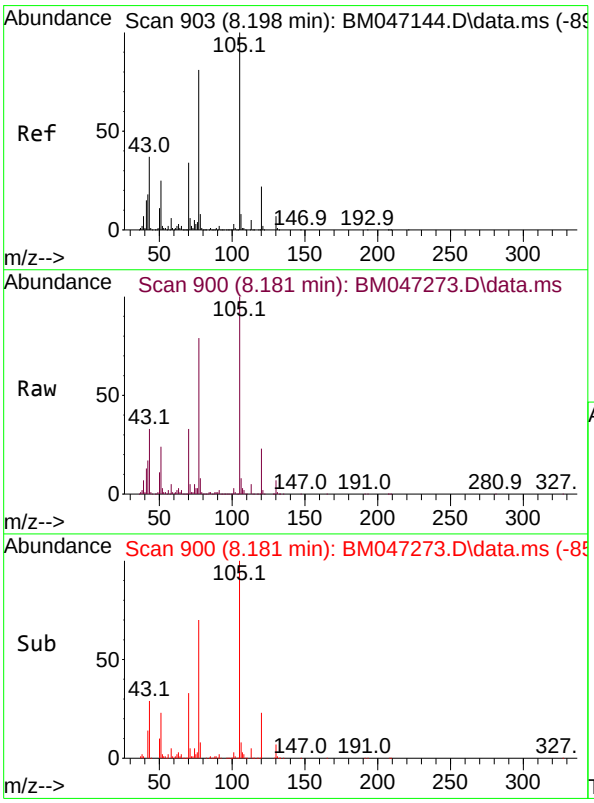
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1193764

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.0	6.0	9.0
68	5.9	4.8	7.2

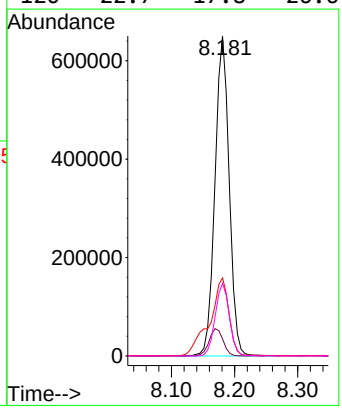


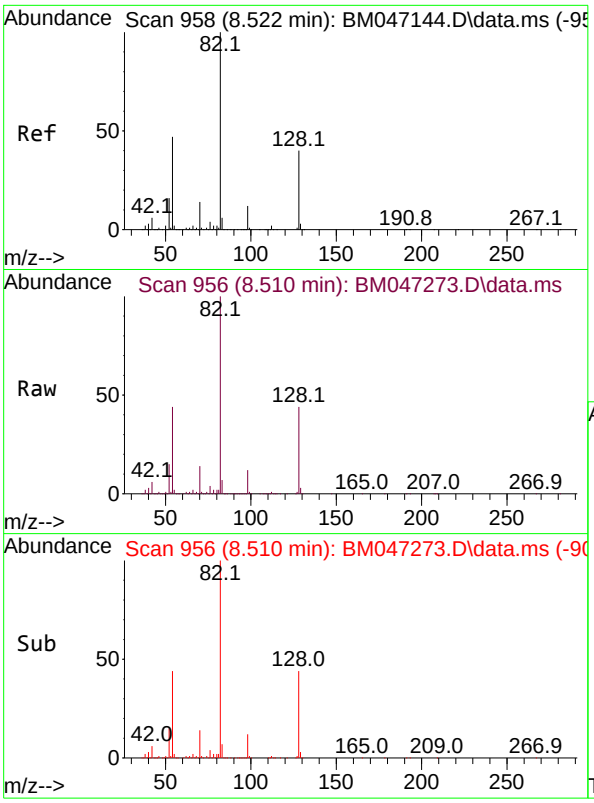


#22
Acetophenone
Concen: 35.327 ng
RT: 8.181 min Scan# 900
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:105 Resp: 1017954

Ion	Ratio	Lower	Upper
105	100		
71	5.4	4.5	6.7
51	24.4	20.1	30.1
120	22.7	17.8	26.6



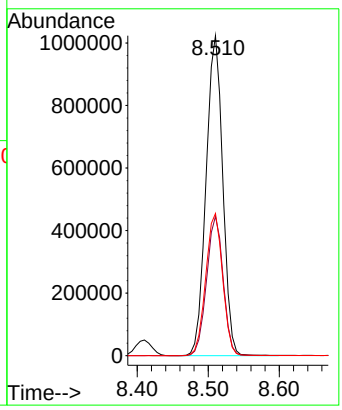


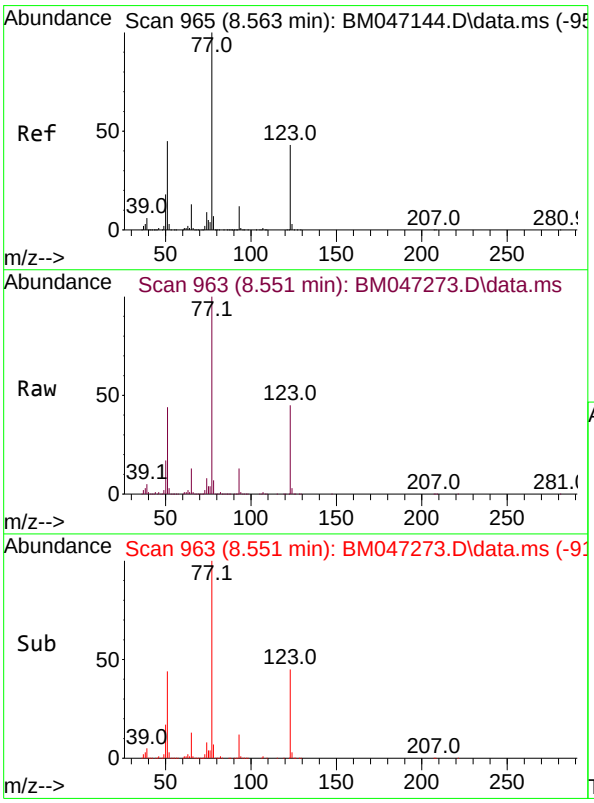
#23
Nitrobenzene-d5
Concen: 70.417 ng
RT: 8.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1669423

Ion	Ratio	Lower	Upper
82	100		
128	43.6	32.3	48.5
54	44.5	37.4	56.2

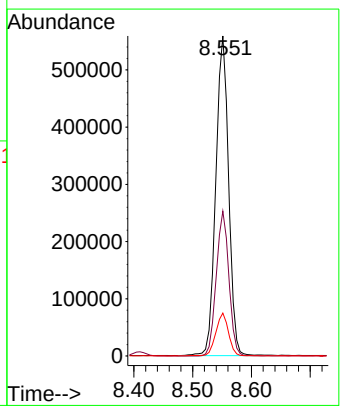


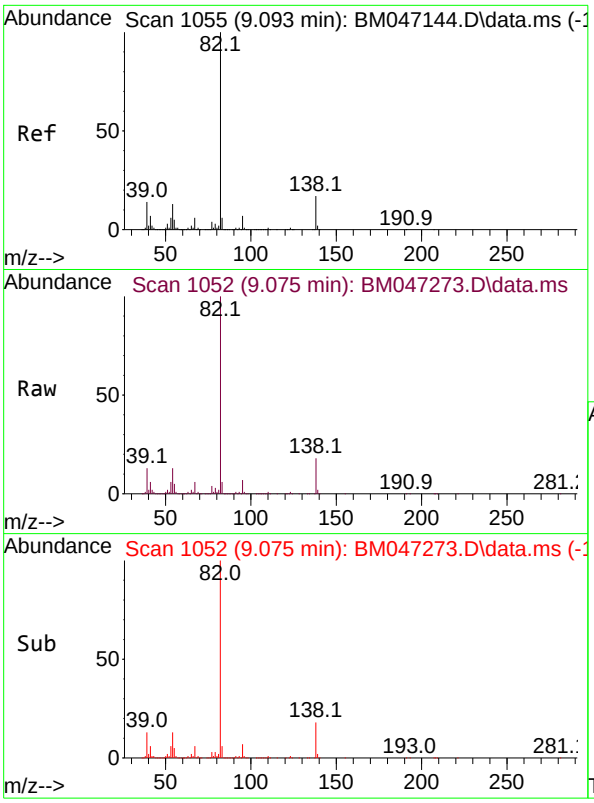


#24
Nitrobenzene
Concen: 35.493 ng
RT: 8.551 min Scan# 963
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 77 Resp: 847306

Ion	Ratio	Lower	Upper
77	100		
123	45.2	34.0	51.0
65	13.4	10.5	15.7



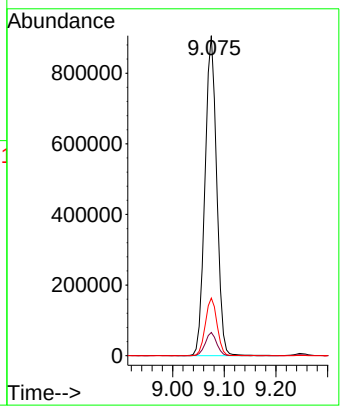


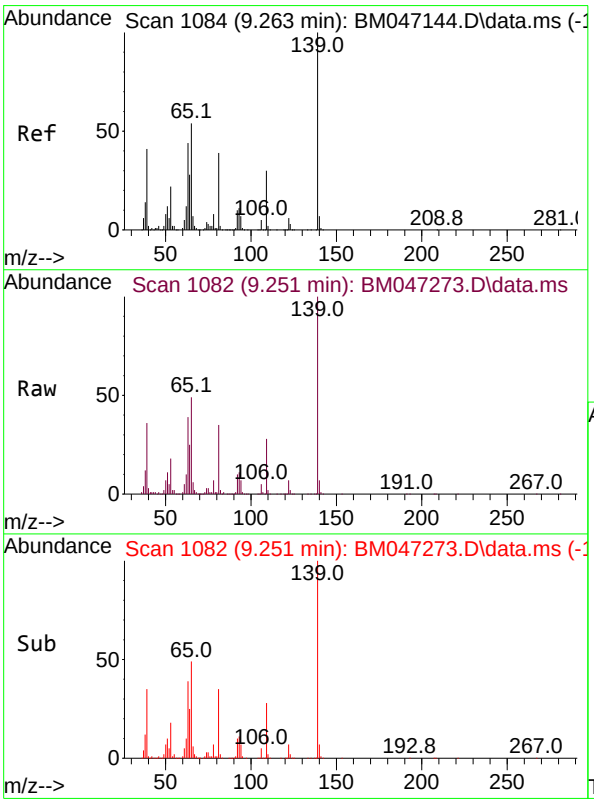
#25
Isophorone
Concen: 34.472 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1422967

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	18.0	13.5	20.3

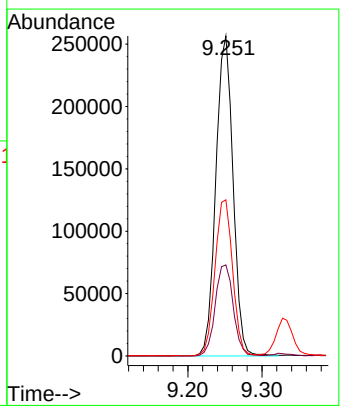


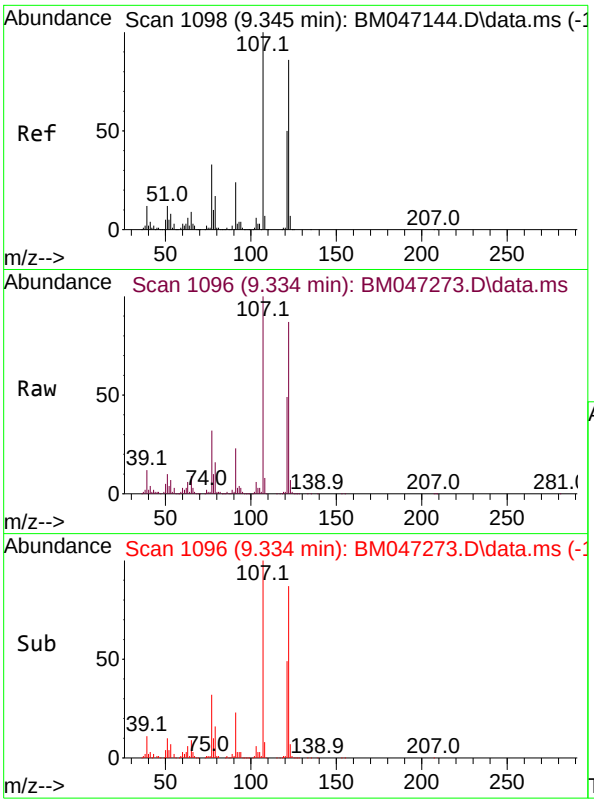


#26
2-Nitrophenol
Concen: 39.041 ng
RT: 9.251 min Scan# 1082
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:139 Resp: 412755

Ion	Ratio	Lower	Upper
139	100		
109	28.5	24.4	36.6
65	48.8	43.0	64.6



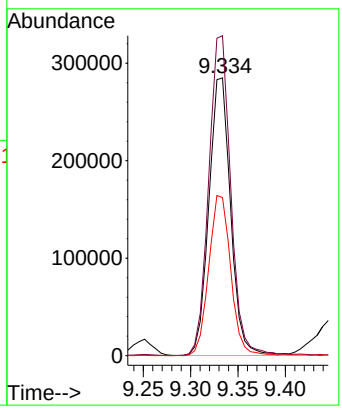


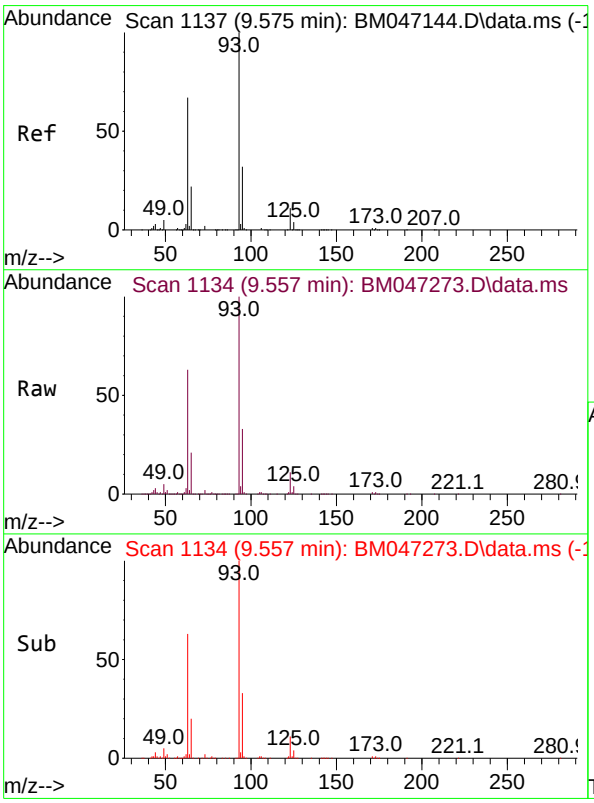
#27
2,4-Dimethylphenol
Concen: 36.706 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 454573

Ion	Ratio	Lower	Upper
122	100		
107	115.2	92.8	139.2
121	56.9	46.1	69.1

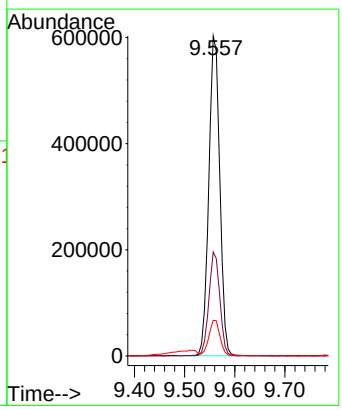


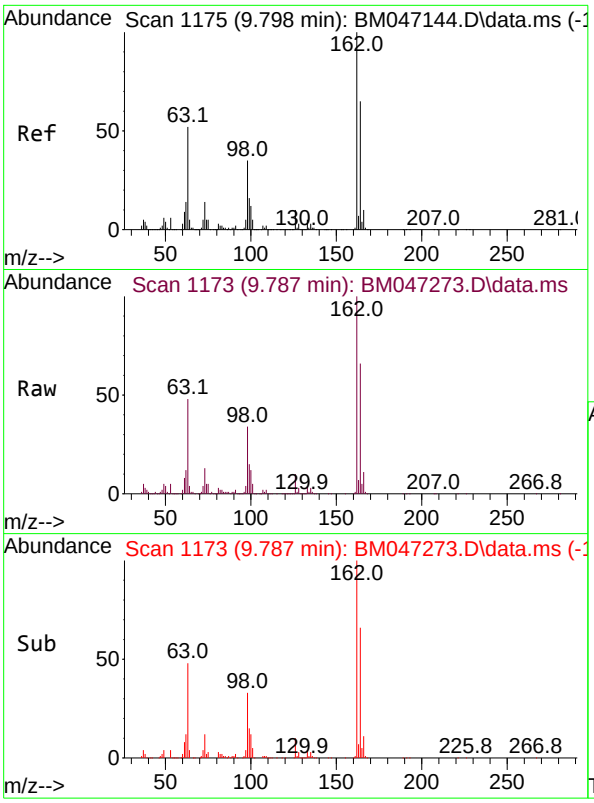


#28
bis(2-Chloroethoxy)methane
Concen: 35.335 ng
RT: 9.557 min Scan# 1134
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 93 Resp: 917781

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.1	9.0	13.4



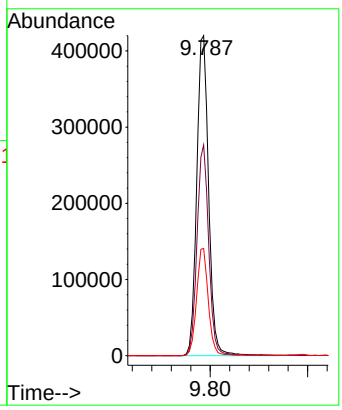


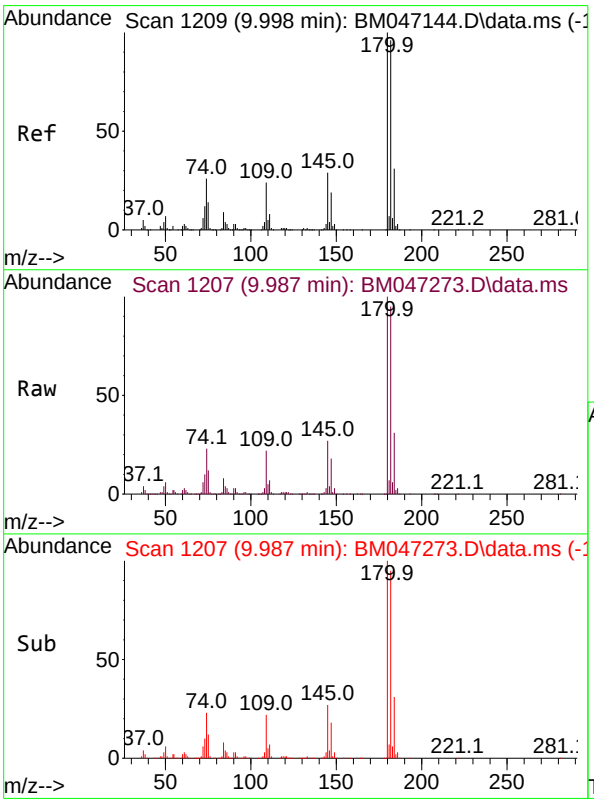
#29
2,4-Dichlorophenol
Concen: 38.949 ng
RT: 9.787 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 715708

Ion	Ratio	Lower	Upper
162	100		
164	65.9	44.7	84.7
98	33.5	14.9	54.9

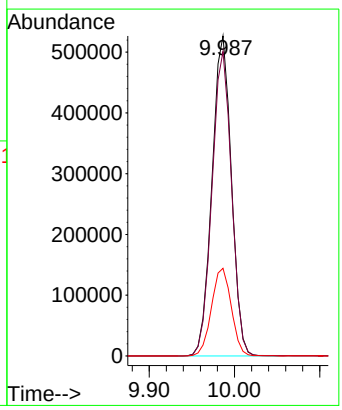


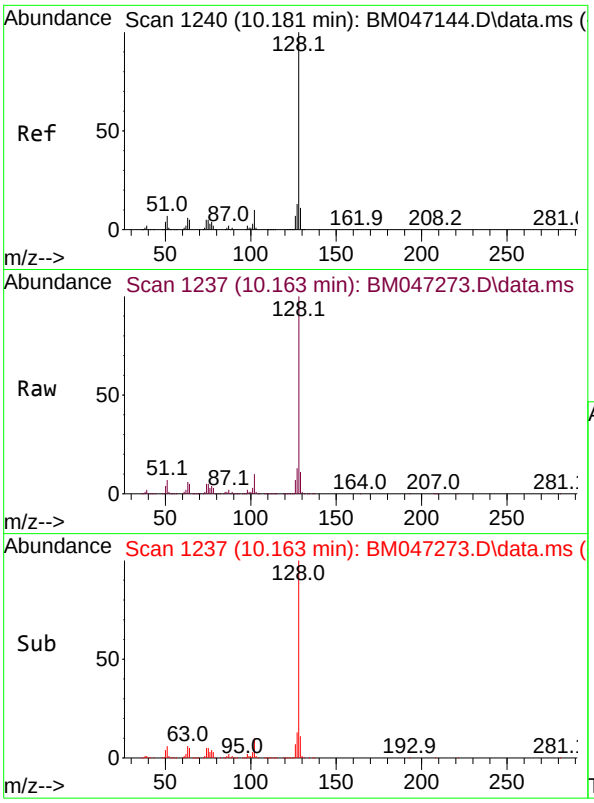


#30
1,2,4-Trichlorobenzene
Concen: 40.114 ng
RT: 9.987 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:180 Resp: 834158

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	115.0
145	27.4	23.4	35.2



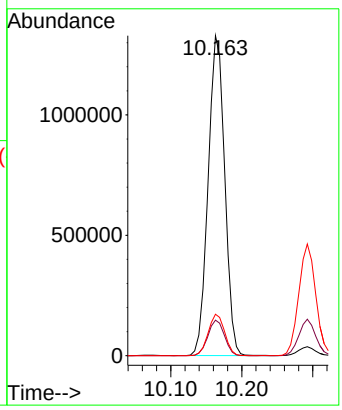


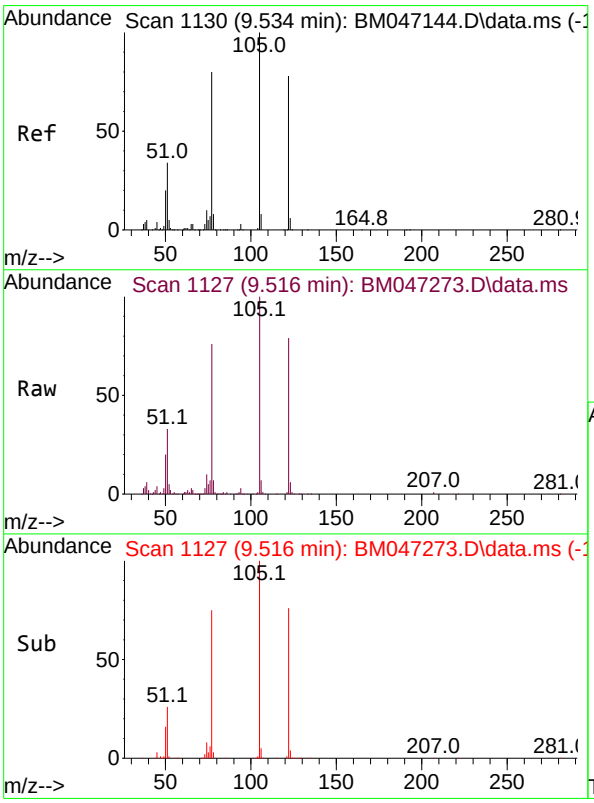
#31
Naphthalene
Concen: 36.272 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2157087

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	12.9	10.2	15.4

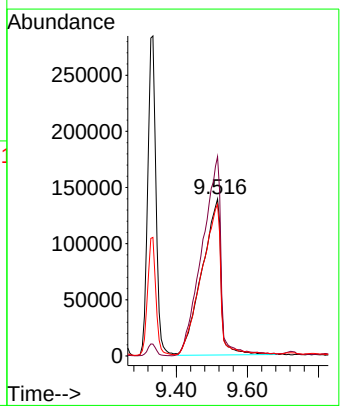


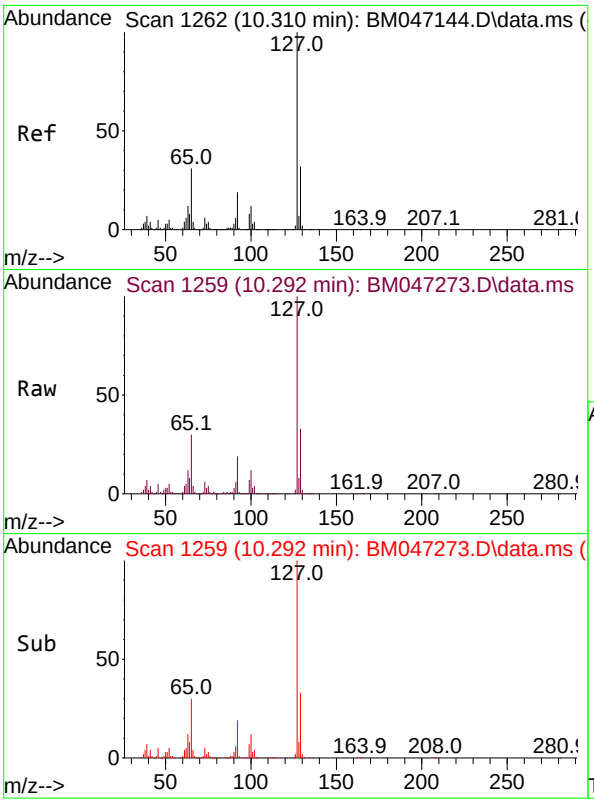


#32
Benzoic acid
Concen: 36.179 ng
RT: 9.516 min Scan# 1127
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:122 Resp: 520543

Ion	Ratio	Lower	Upper
122	100		
105	127.0	107.1	147.1
77	96.7	82.1	122.1



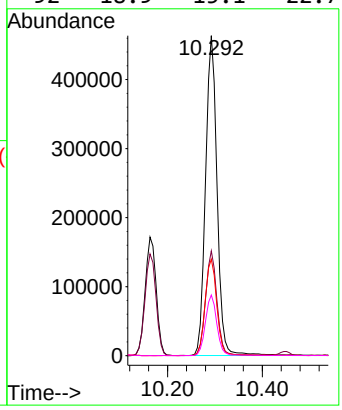


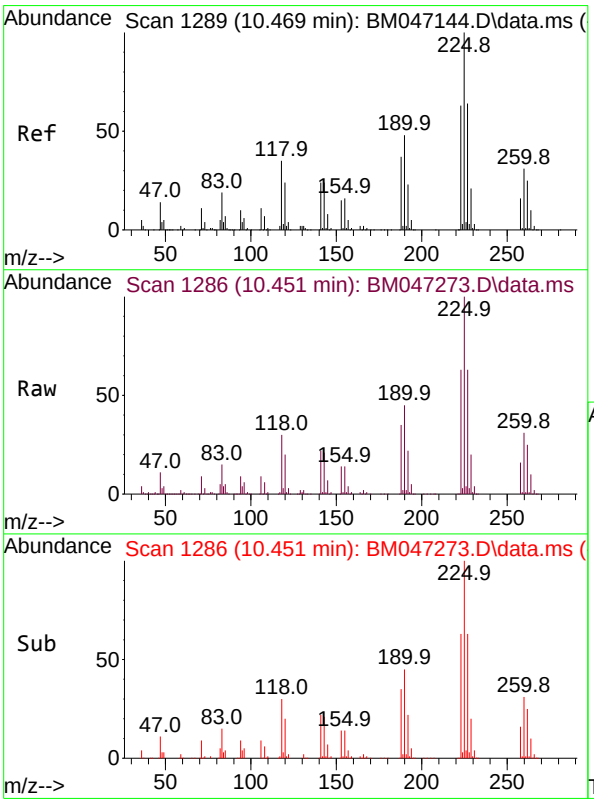
#33
4-Chloroaniline
Concen: 34.209 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 782324

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.8
65	30.2	24.9	37.3
92	18.9	15.1	22.7

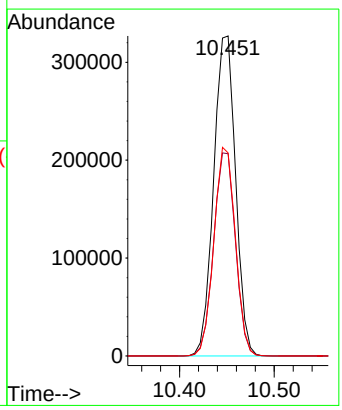


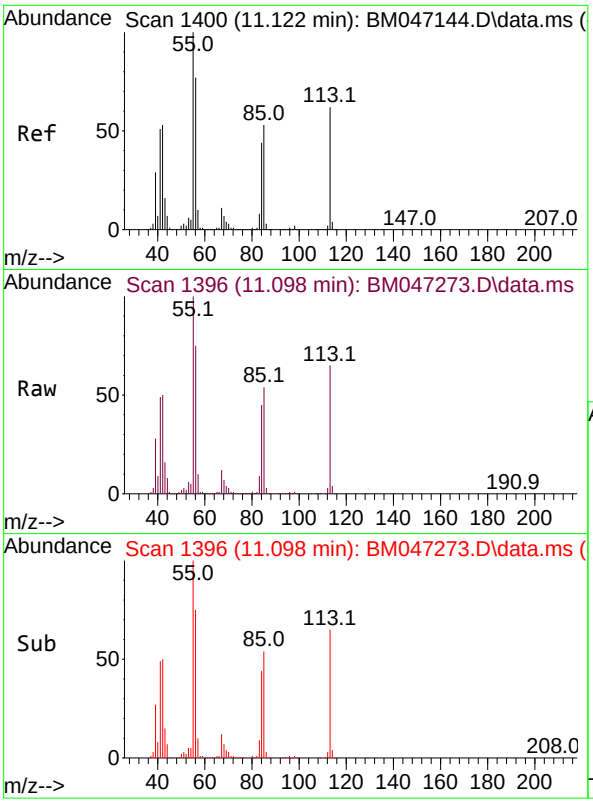


#34
Hexachlorobutadiene
Concen: 43.182 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:225 Resp: 525586

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.2
227	63.5	51.4	77.0



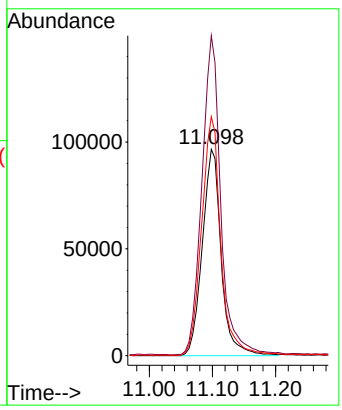


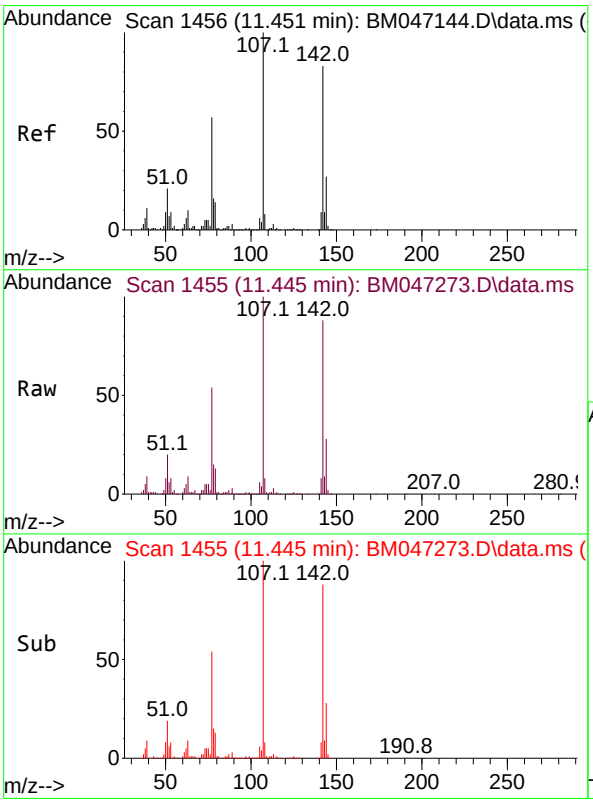
#35
Caprolactam
Concen: 31.474 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 200846

Ion	Ratio	Lower	Upper
113	100		
55	155.0	140.5	180.5
56	115.7	103.6	143.6

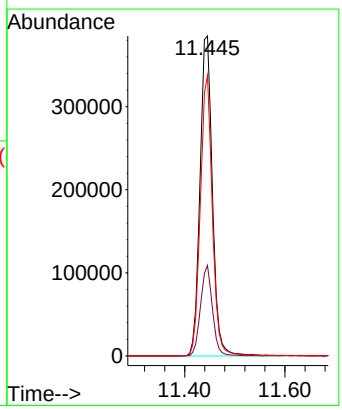


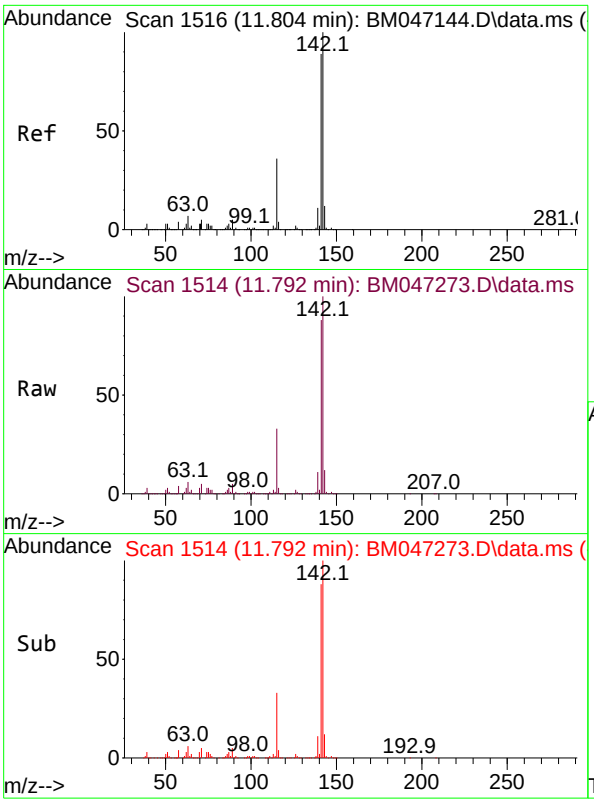


#36
4-Chloro-3-methylphenol
Concen: 33.928 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:107 Resp: 663962

Ion	Ratio	Lower	Upper
107	100		
144	28.4	21.8	32.6
142	87.7	66.8	100.2



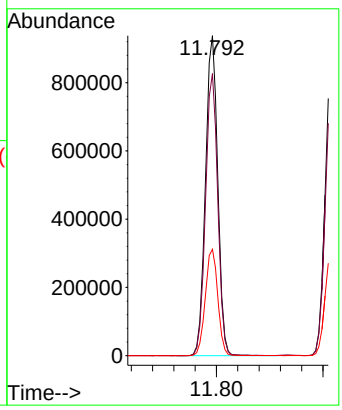


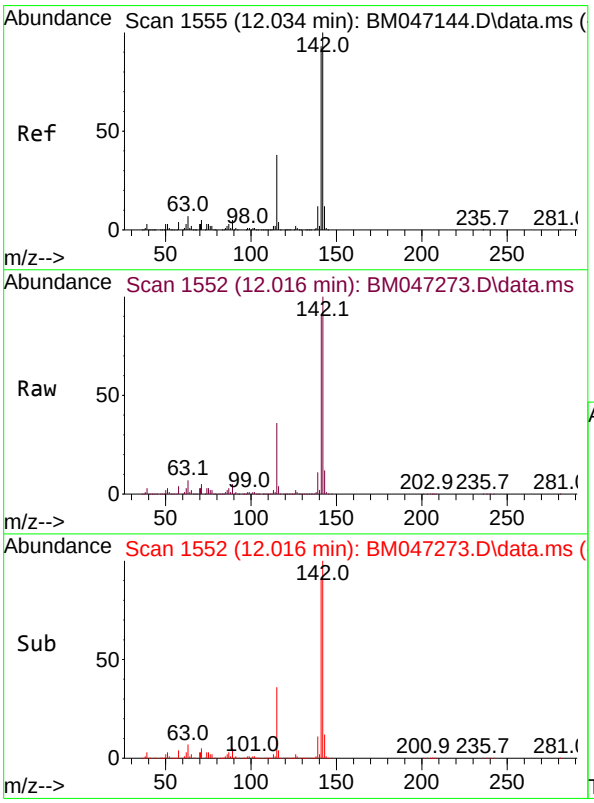
#37
2-Methylnaphthalene
Concen: 35.408 ng
RT: 11.792 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1499268

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.9	106.3
115	33.2	28.7	43.1

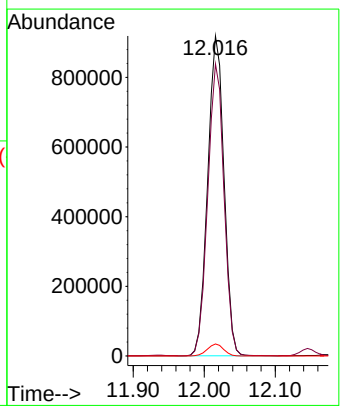


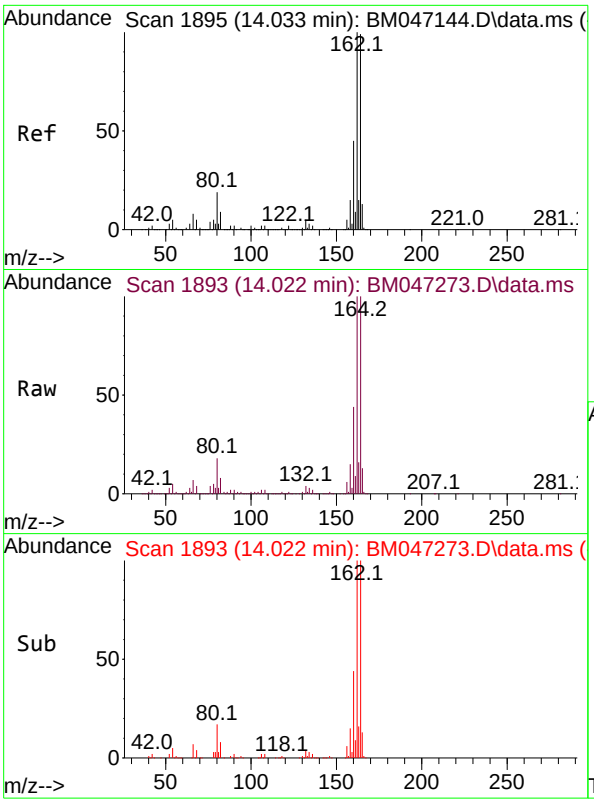


#38
1-Methylnaphthalene
Concen: 35.048 ng
RT: 12.016 min Scan# 1552
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:142 Resp: 1466661

Ion	Ratio	Lower	Upper
142	100		
141	91.2	74.6	111.8
116	3.8	3.1	4.7



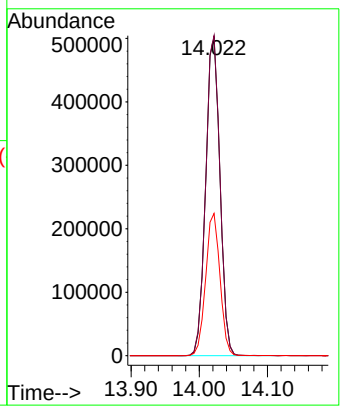


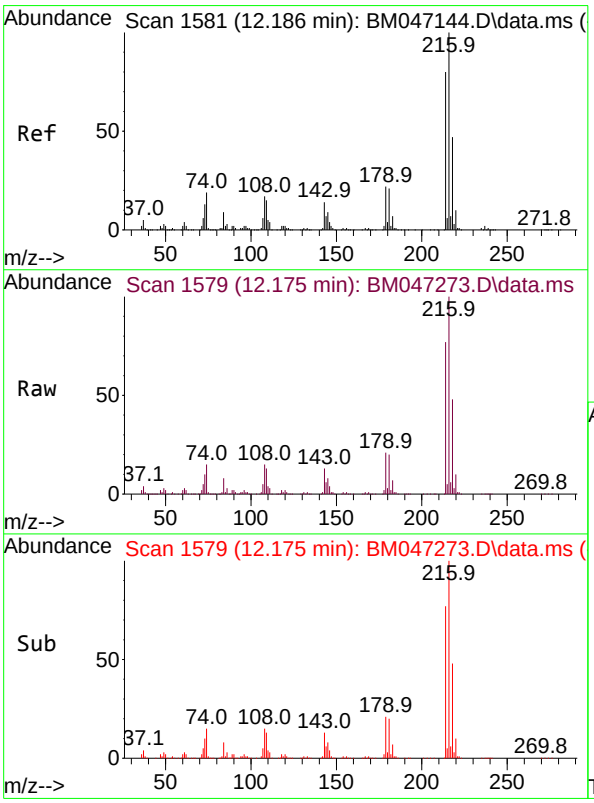
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 731367

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.7	121.1
160	44.6	36.0	54.0

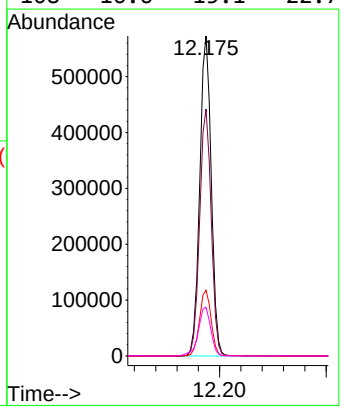


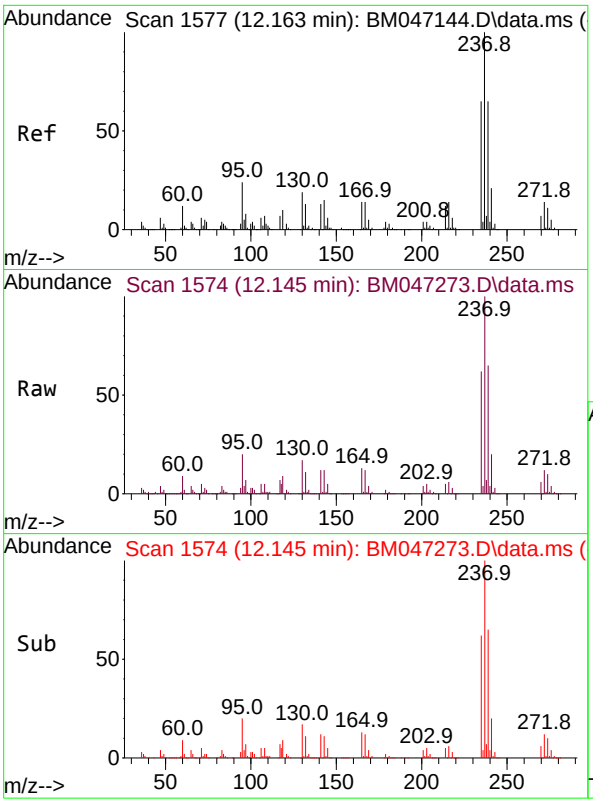


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.873 ng
RT: 12.175 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:216 Resp: 855241

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.4	95.2
179	20.9	17.6	26.4
108	16.6	15.1	22.7



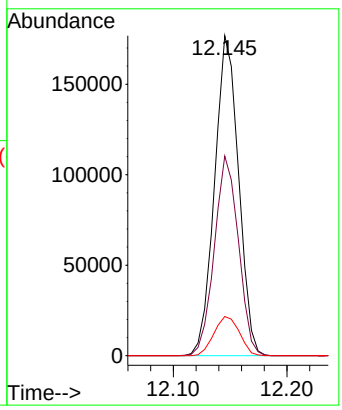


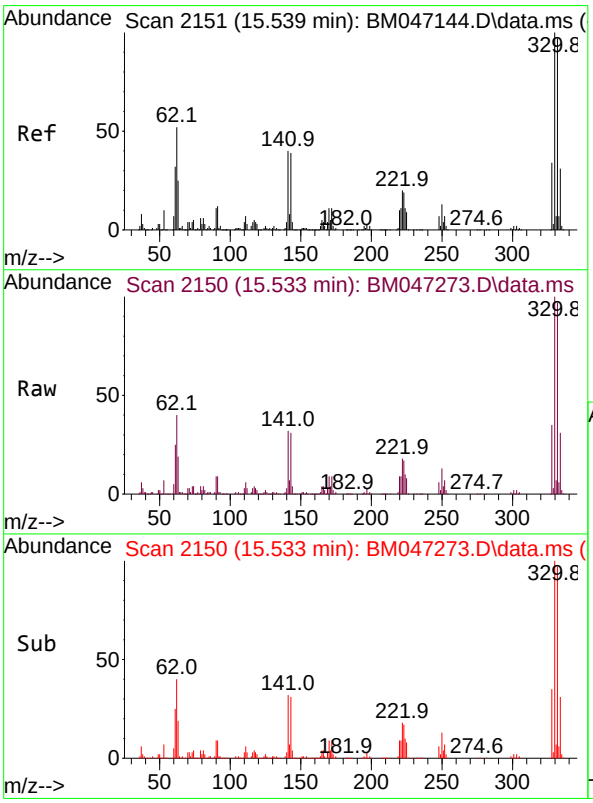
#41
Hexachlorocyclopentadiene
Concen: 37.300 ng
RT: 12.145 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 259819

Ion	Ratio	Lower	Upper
237	100		
235	62.4	44.8	84.8
272	12.3	0.0	33.5

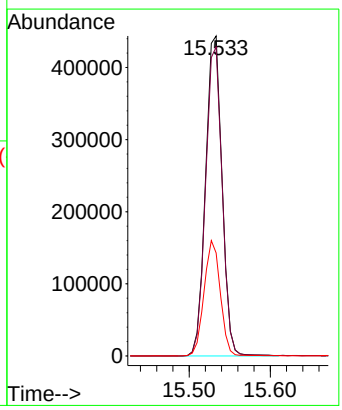


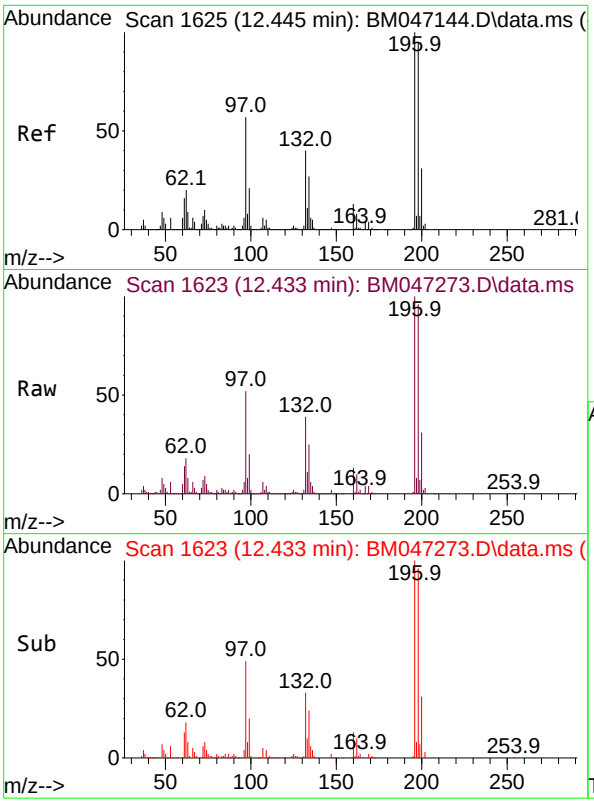


#42
2,4,6-Tribromophenol
Concen: 73.866 ng
RT: 15.533 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:330 Resp: 626403

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	35.5	31.6	47.4



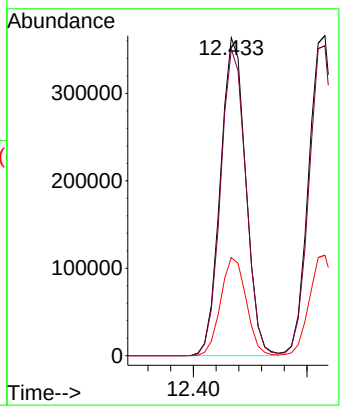


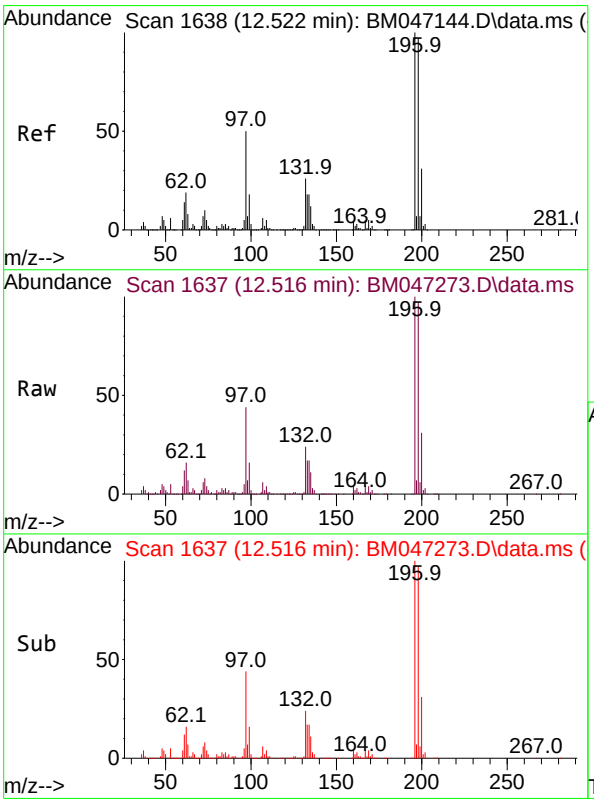
#43
2,4,6-Trichlorophenol
Concen: 39.807 ng
RT: 12.433 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 564405

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.6	113.4
200	30.9	24.6	37.0

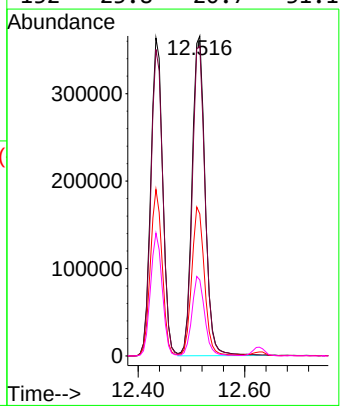


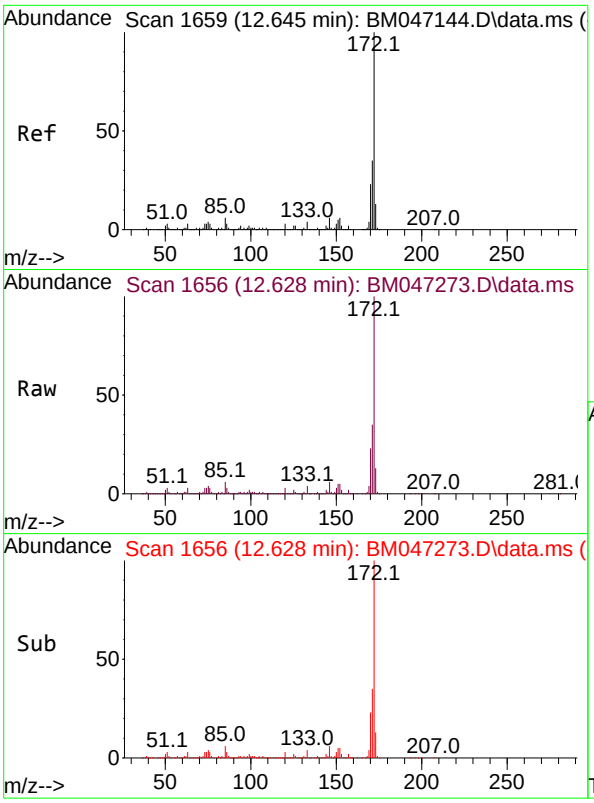


#44
2,4,5-Trichlorophenol
Concen: 39.498 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:196 Resp: 621795

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.7	116.5
97	44.4	39.8	59.8
132	23.8	20.7	31.1



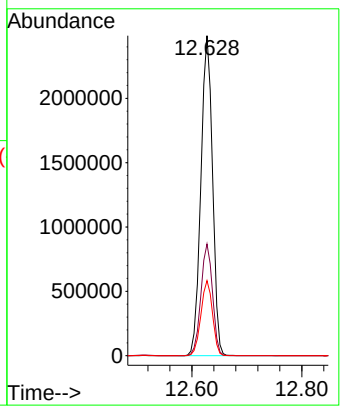


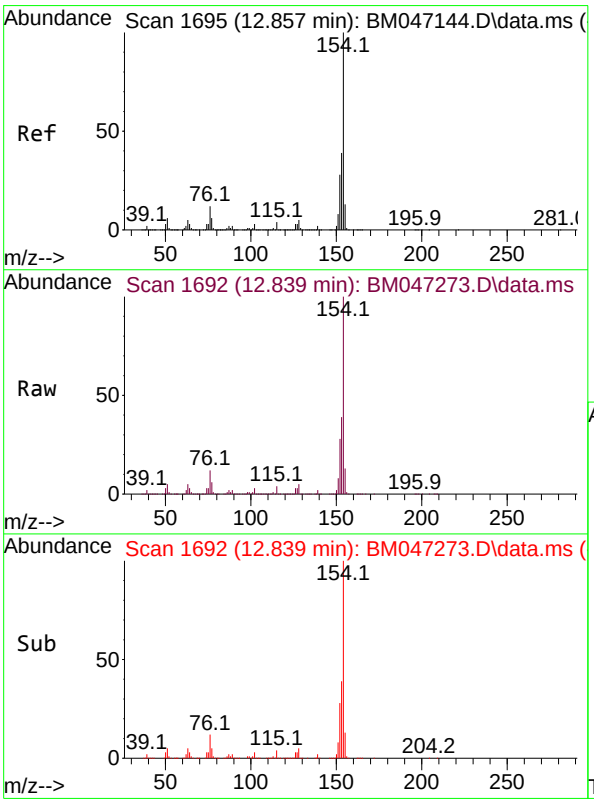
#45
2-Fluorobiphenyl
Concen: 77.189 ng
RT: 12.628 min Scan# 1(
Delta R.T. -0.017 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3659800

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.5	18.7	28.1

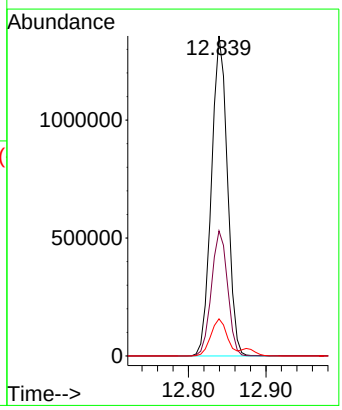


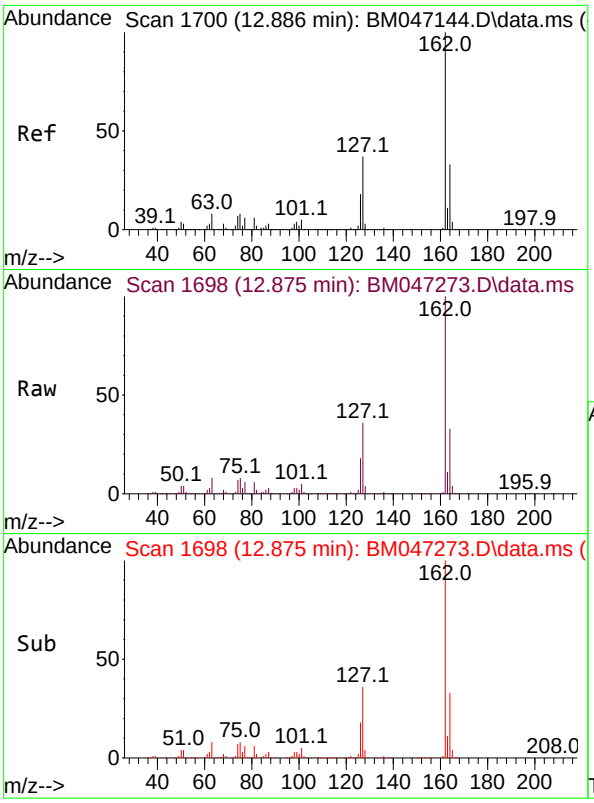


#46
1,1'-Biphenyl
Concen: 37.350 ng
RT: 12.839 min Scan# 1692
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:154 Resp: 1944726

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.0	59.0
76	11.6	0.0	31.9



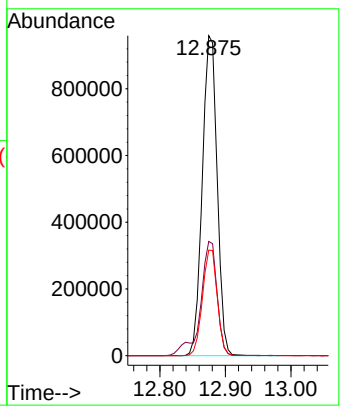


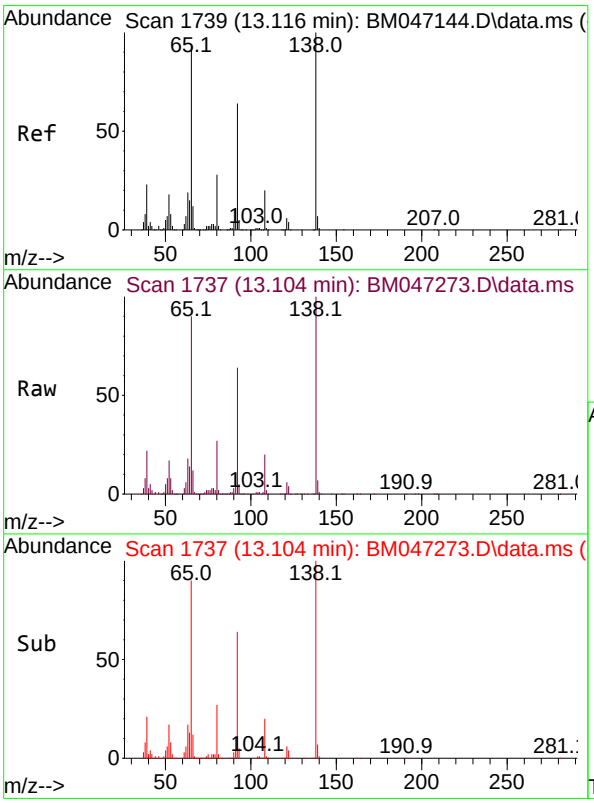
#47
2-Chloronaphthalene
Concen: 37.149 ng
RT: 12.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1511812

Ion	Ratio	Lower	Upper
162	100		
127	35.7	30.0	45.0
164	33.0	26.3	39.5

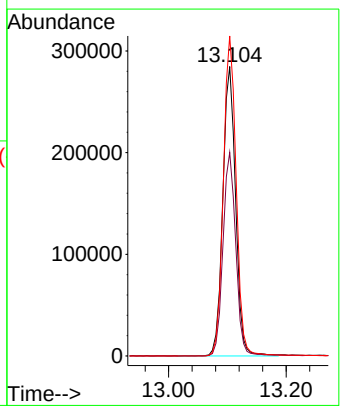


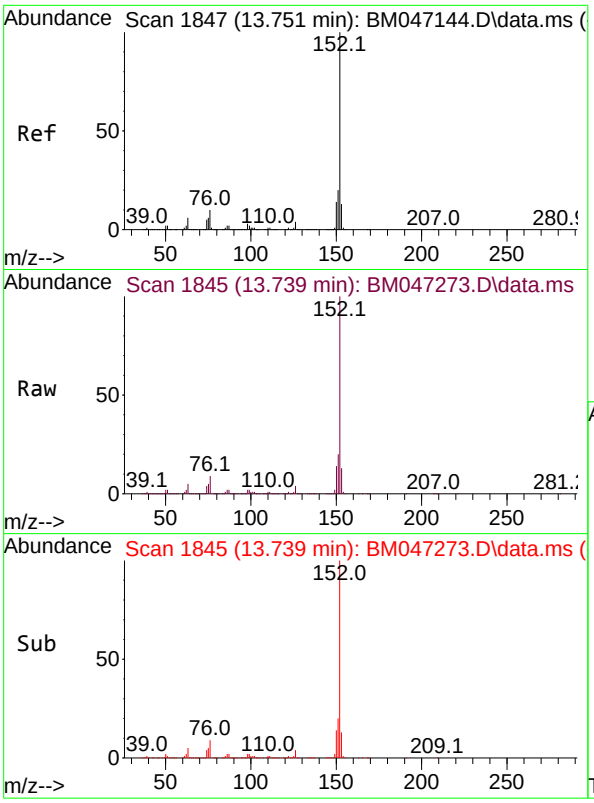


#48
2-Nitroaniline
Concen: 33.855 ng
RT: 13.104 min Scan# 1737
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion: 65 Resp: 431622

Ion	Ratio	Lower	Upper
65	100		
92	70.3	55.1	82.7
138	110.6	85.9	128.9



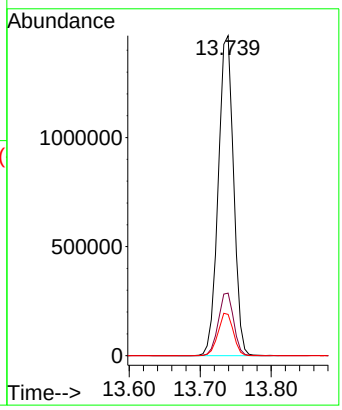


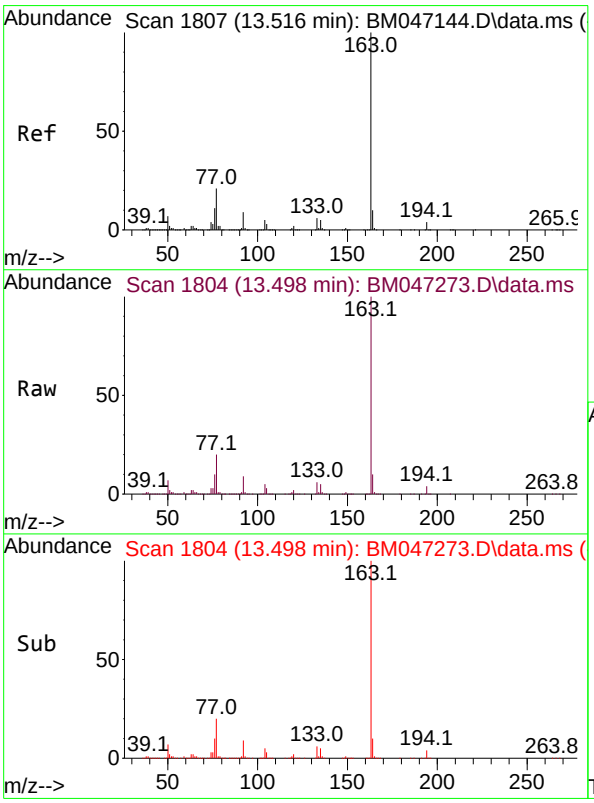
#49
Acenaphthylene
Concen: 36.494 ng
RT: 13.739 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2189181

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.9	10.4	15.6

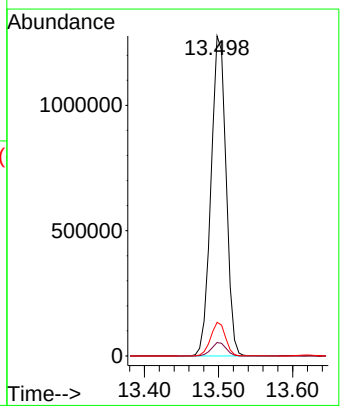


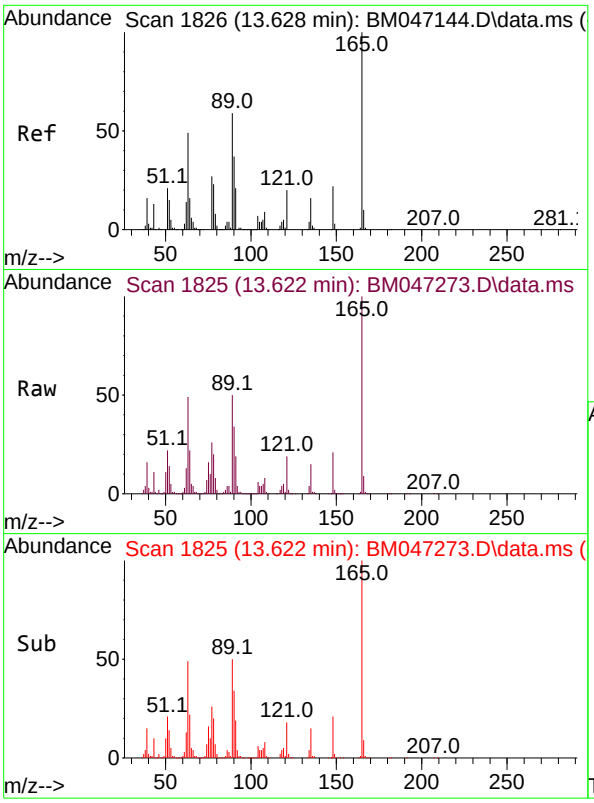


#50
Dimethylphthalate
Concen: 35.265 ng
RT: 13.498 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:163 Resp: 1801315

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.5	8.0	12.0



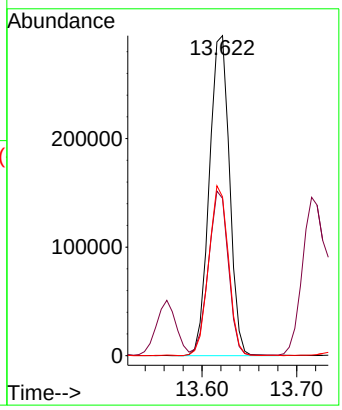


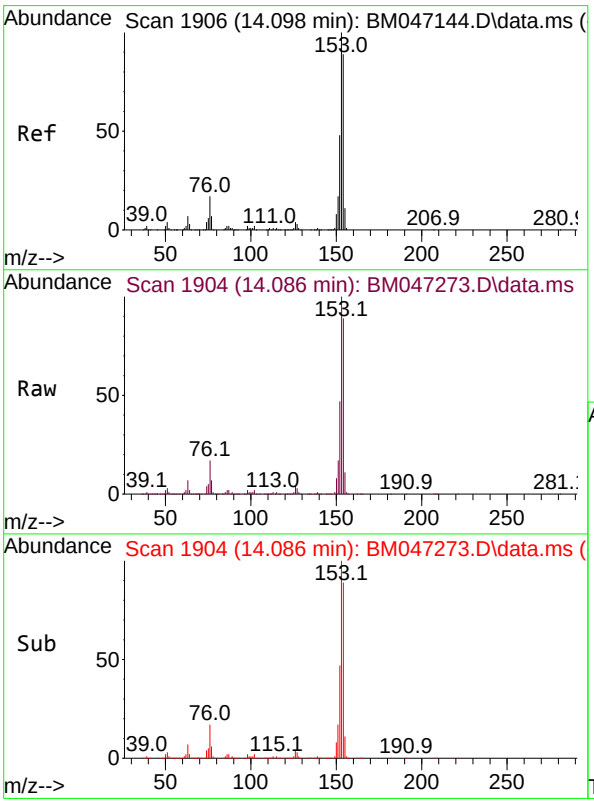
#51
2,6-Dinitrotoluene
Concen: 36.470 ng
RT: 13.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 435475

Ion	Ratio	Lower	Upper
165	100		
63	49.2	46.5	69.7
89	49.6	47.3	70.9

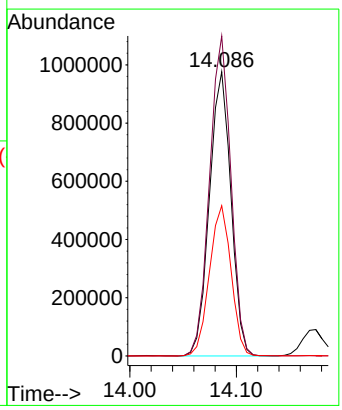


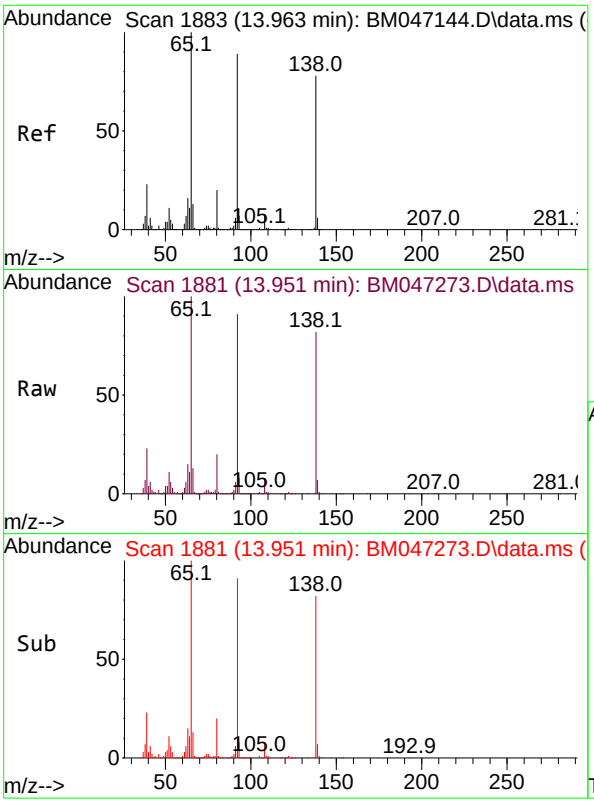


#52
Acenaphthene
Concen: 35.959 ng
RT: 14.086 min Scan# 1904
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:154 Resp: 1368311

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.3	135.5
152	52.9	42.9	64.3



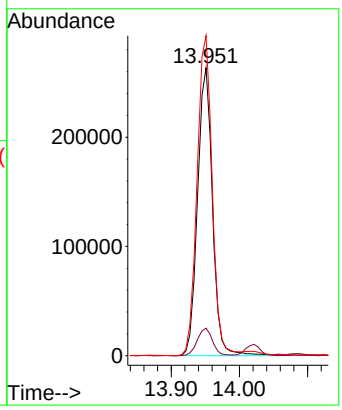


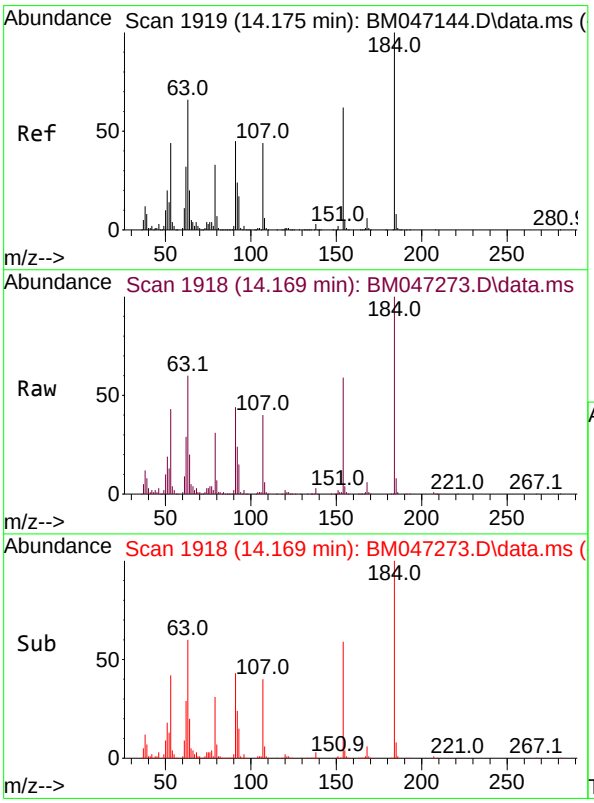
#53
3-Nitroaniline
Concen: 33.606 ng
RT: 13.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 402094

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.9	11.9
92	111.1	92.0	138.0

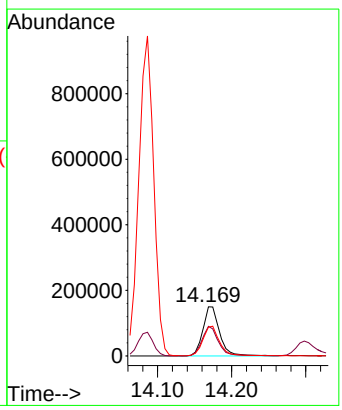


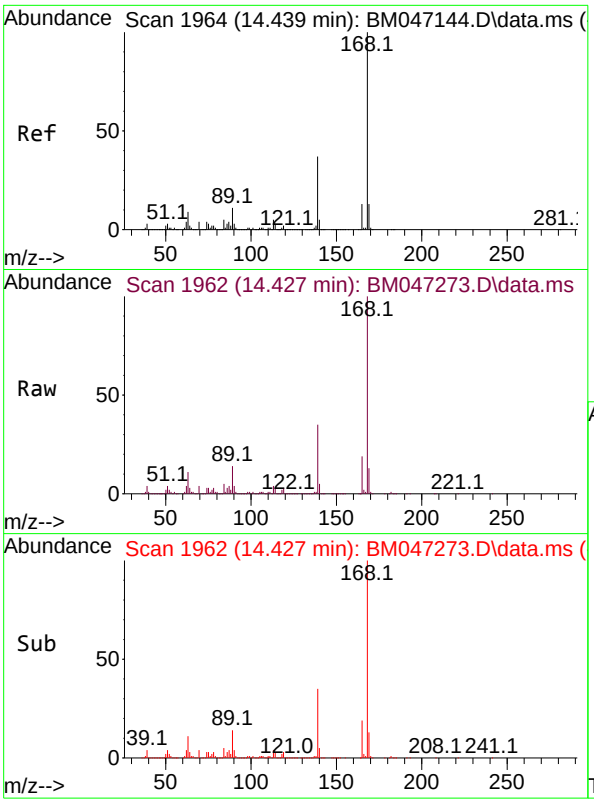


#54
2,4-Dinitrophenol
Concen: 32.704 ng
RT: 14.169 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:184 Resp: 234044

Ion	Ratio	Lower	Upper
184	100		
63	60.4	52.7	79.1
154	58.7	50.4	75.6



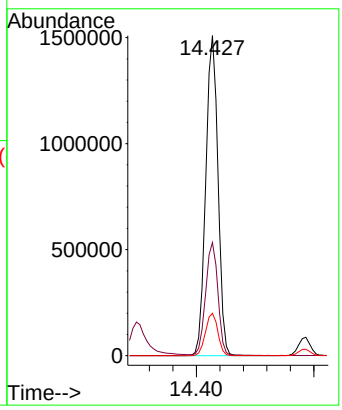


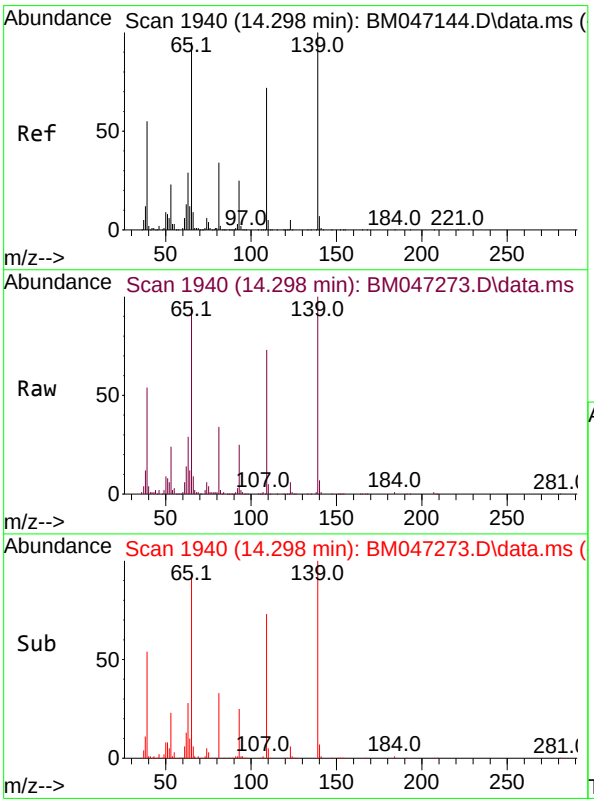
#55
Dibenzofuran
Concen: 36.117 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2170780

Ion	Ratio	Lower	Upper
168	100		
139	35.4	29.6	44.4
169	13.2	10.7	16.1

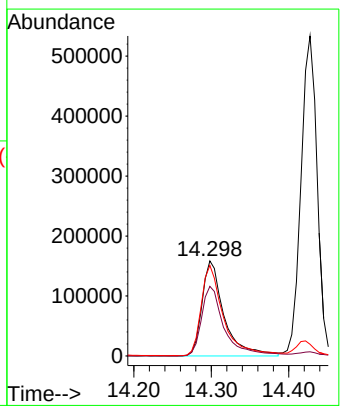


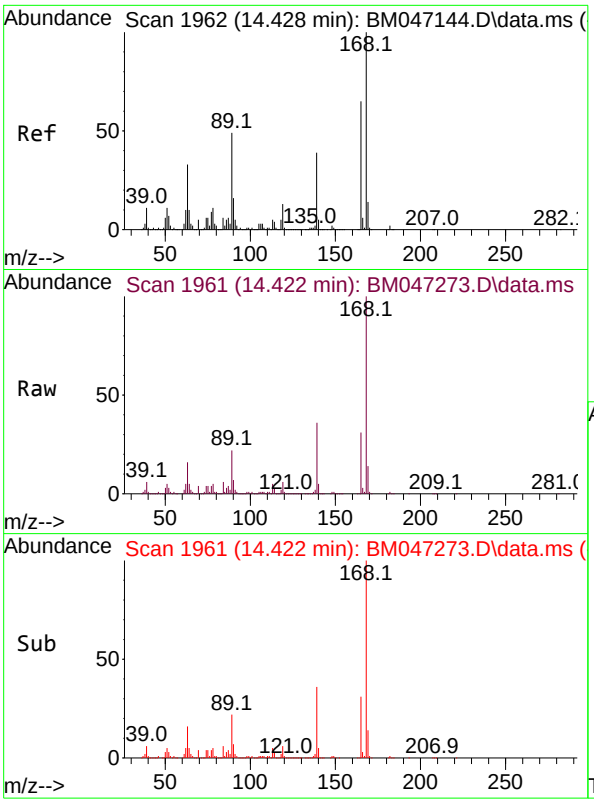


#56
4-Nitrophenol
Concen: 30.546 ng
RT: 14.298 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:139 Resp: 315157

Ion	Ratio	Lower	Upper
139	100		
109	73.4	52.5	92.5
65	95.4	75.4	115.4



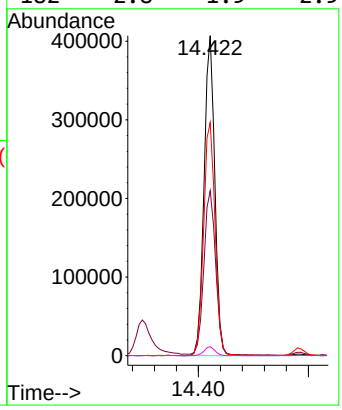


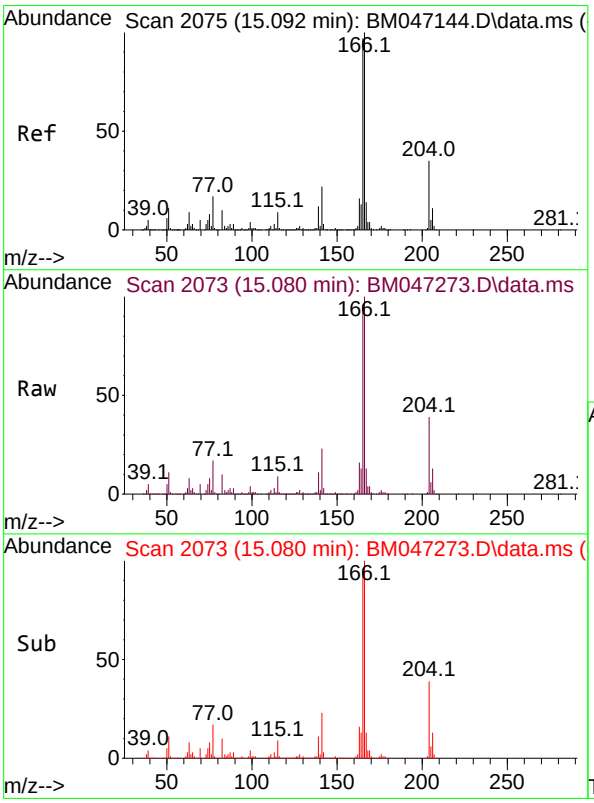
#57
2,4-Dinitrotoluene
Concen: 34.614 ng
RT: 14.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 551672

Ion	Ratio	Lower	Upper
165	100		
63	51.6	40.3	60.5
89	72.9	61.0	91.6
182	2.8	1.9	2.9

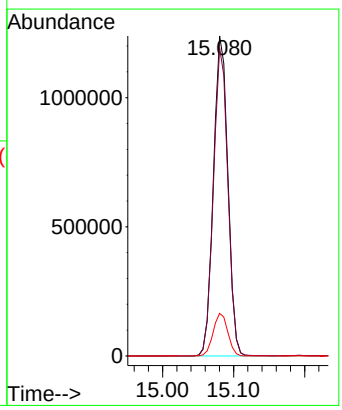


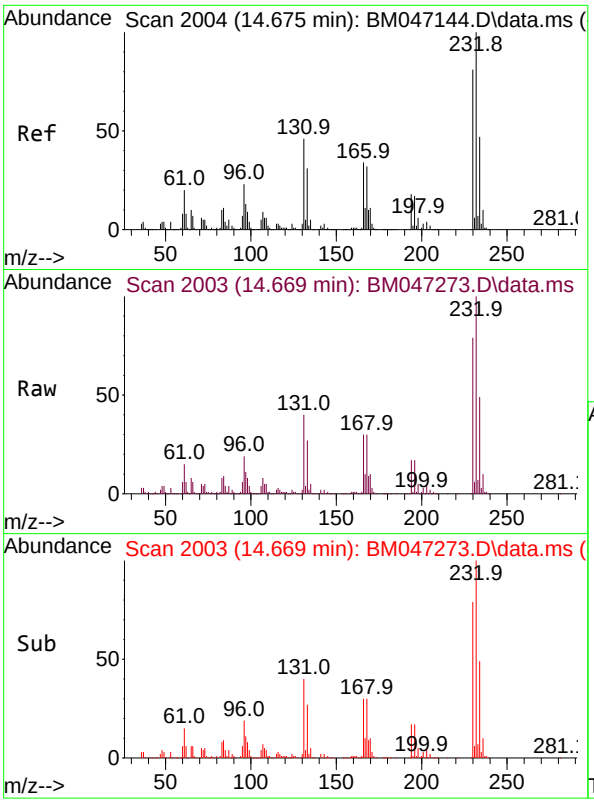


#58
Fluorene
Concen: 35.223 ng
RT: 15.080 min Scan# 2073
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:166 Resp: 1746821

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.4	116.0
167	13.3	11.0	16.6



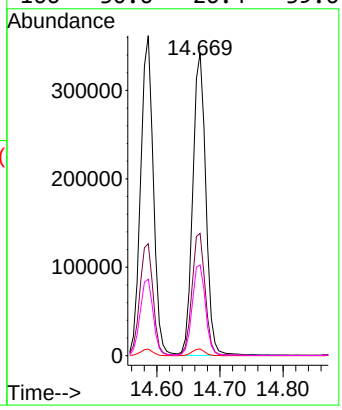


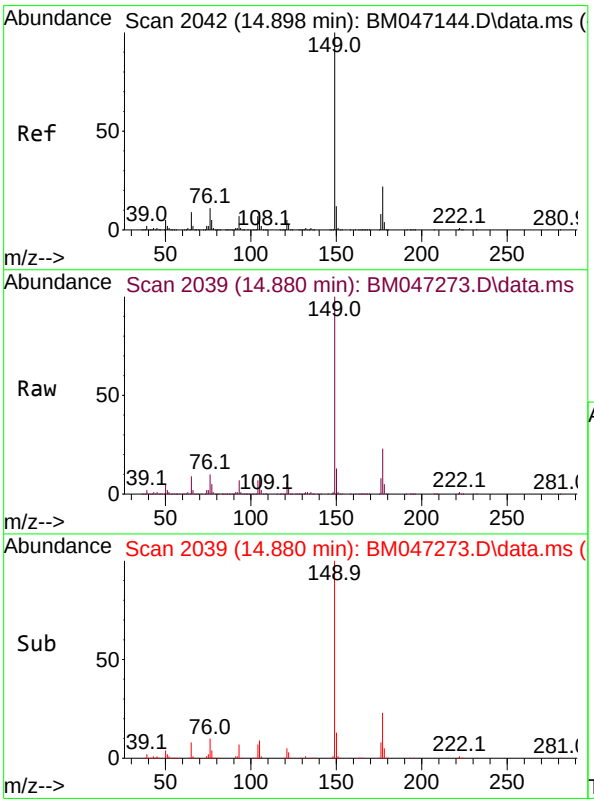
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.039 ng
RT: 14.669 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 492153

Ion	Ratio	Lower	Upper
232	100		
131	40.9	36.9	55.3
130	2.2	2.0	3.0
166	30.6	26.4	39.6

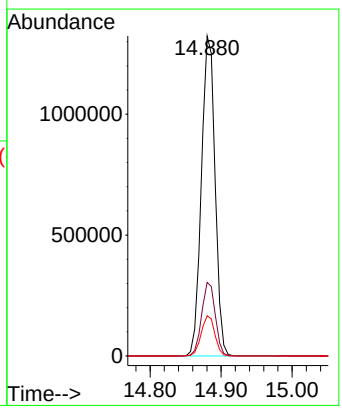


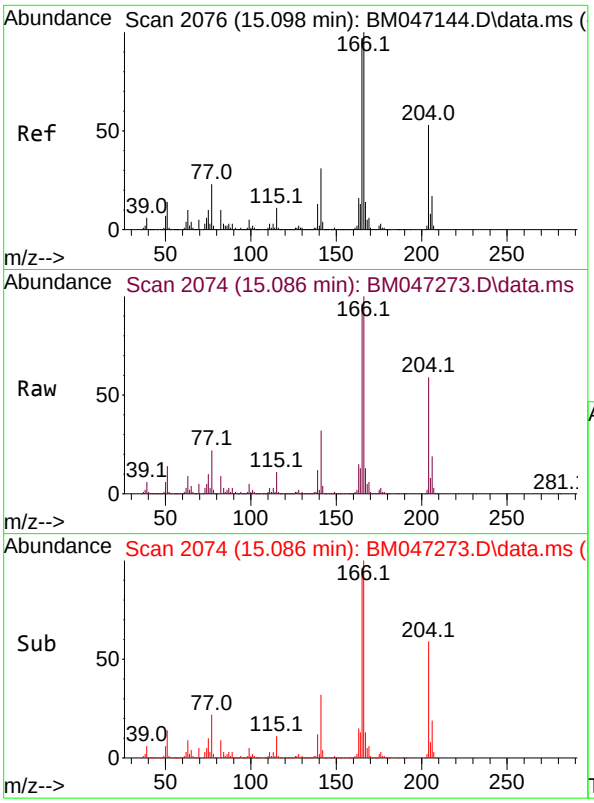


#60
Diethylphthalate
Concen: 34.014 ng
RT: 14.880 min Scan# 2039
Delta R.T. -0.018 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:149 Resp: 1774218

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.6	26.4
150	12.6	9.8	14.6



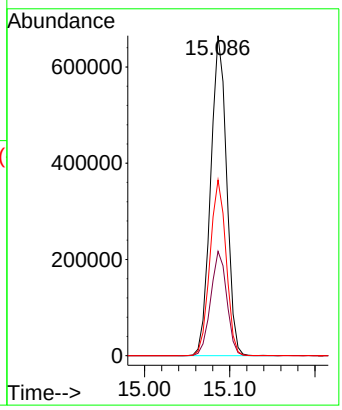


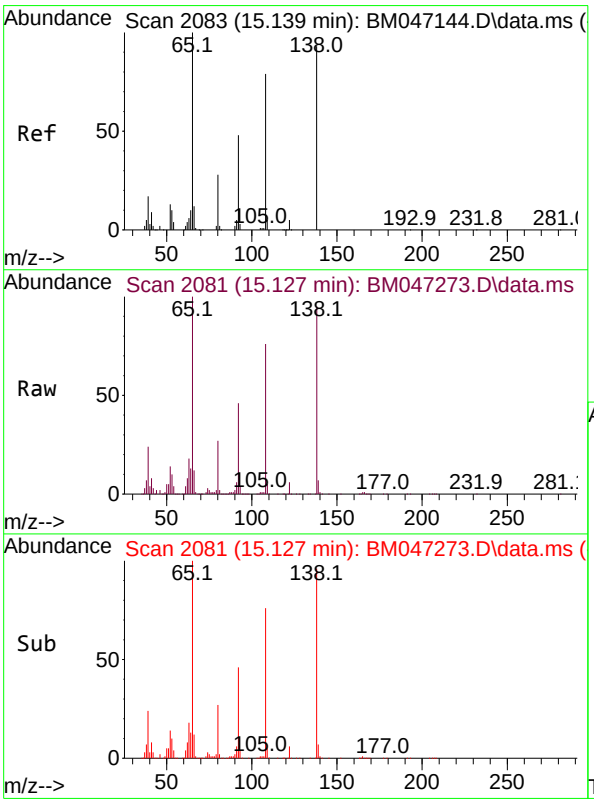
#61
4-Chlorophenyl-phenylether
Concen: 36.631 ng
RT: 15.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 864847

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.4
141	54.9	47.2	70.8

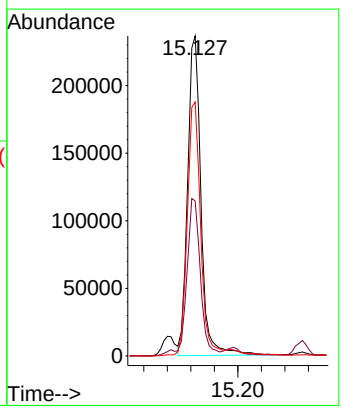


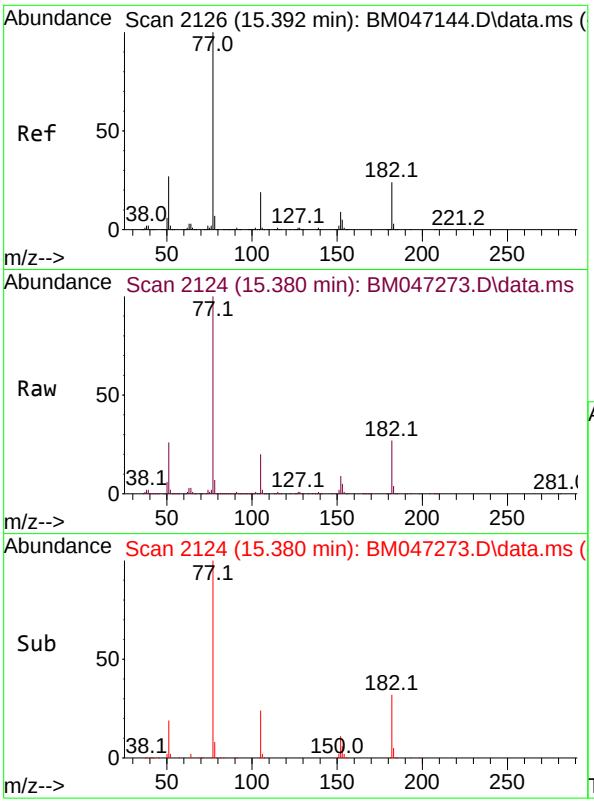


#62
4-Nitroaniline
Concen: 31.542 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:138 Resp: 371797

Ion	Ratio	Lower	Upper
138	100		
92	48.5	31.9	71.9
108	79.4	63.8	103.8



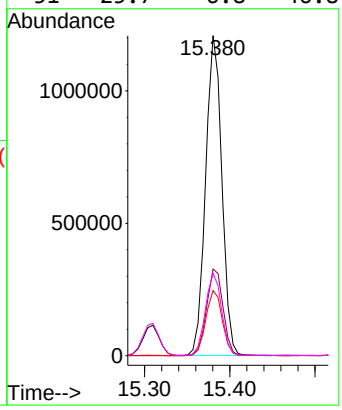


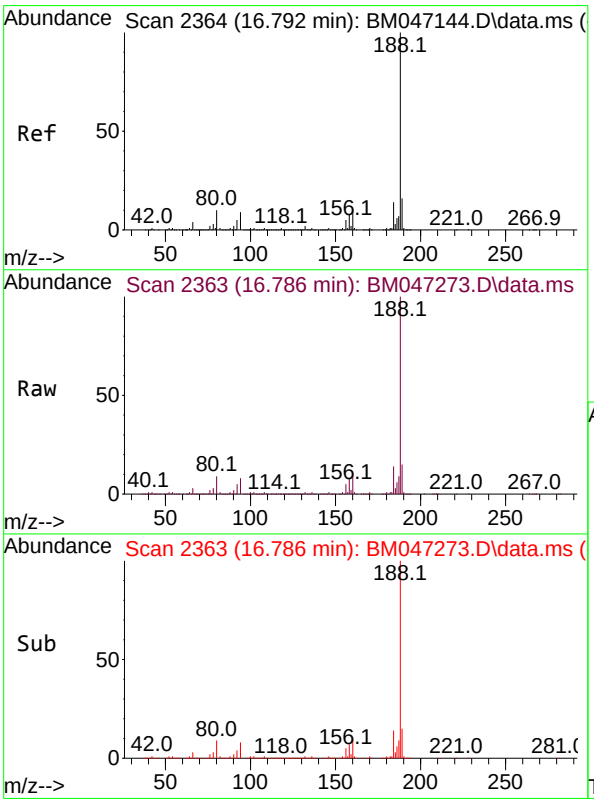
#63
Azobenzene
Concen: 32.335 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1599192

Ion	Ratio	Lower	Upper
77	100		
182	27.1	3.8	43.8
105	20.4	0.0	39.5
51	25.7	6.8	46.8

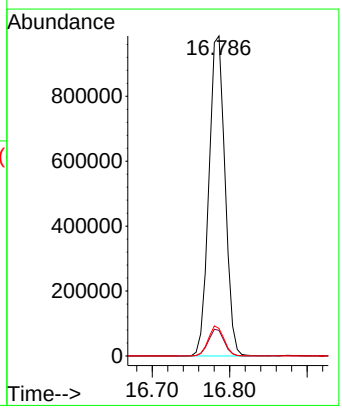


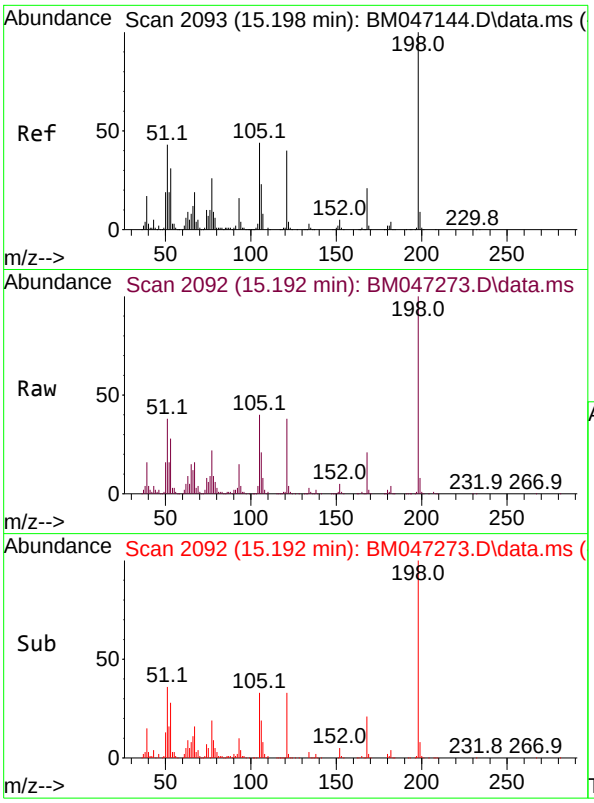


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.786 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:188 Resp: 1421243

Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.0	10.6
80	8.6	8.0	12.0



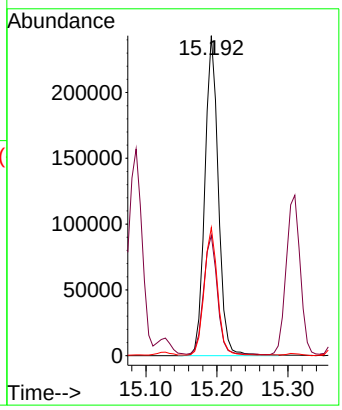


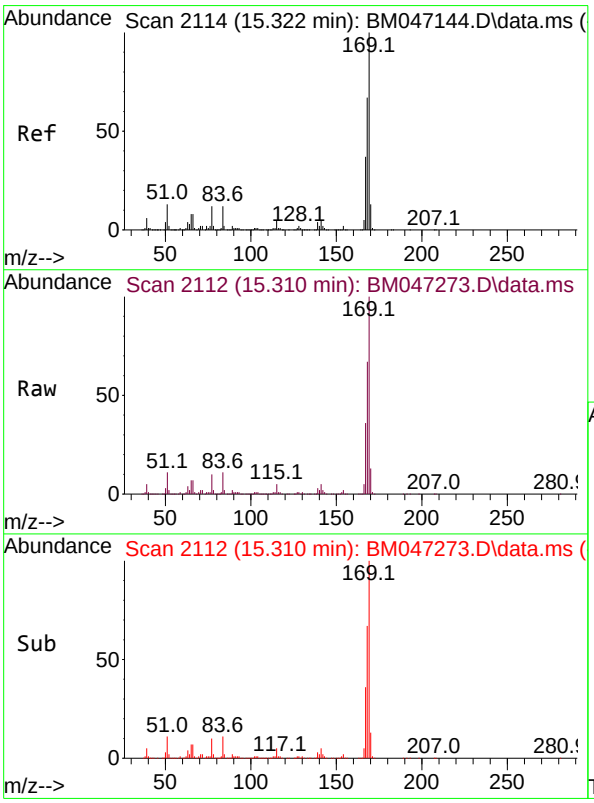
#65
4,6-Dinitro-2-methylphenol
Concen: 38.584 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 321066

Ion	Ratio	Lower	Upper
198	100		
51	37.6	23.9	63.9
105	40.0	24.3	64.3

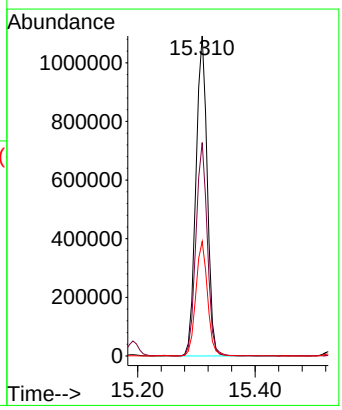


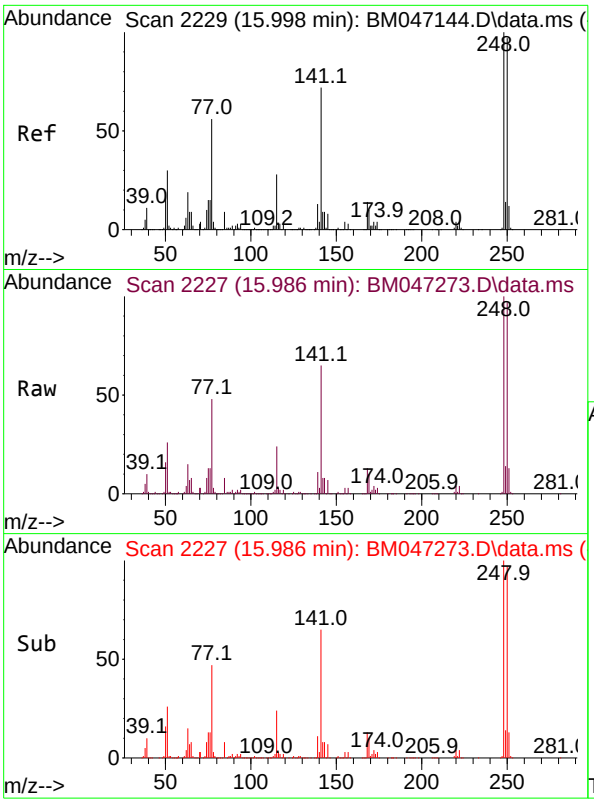


#66
n-Nitrosodiphenylamine
Concen: 37.770 ng
RT: 15.310 min Scan# 2112
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:169 Resp: 1462129

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.8	80.8
167	35.8	29.3	43.9



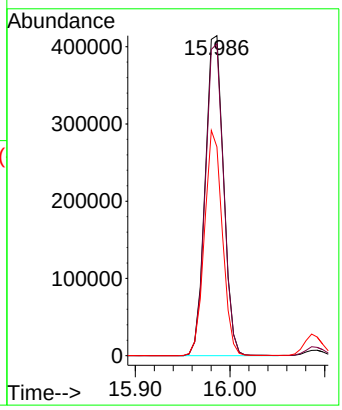


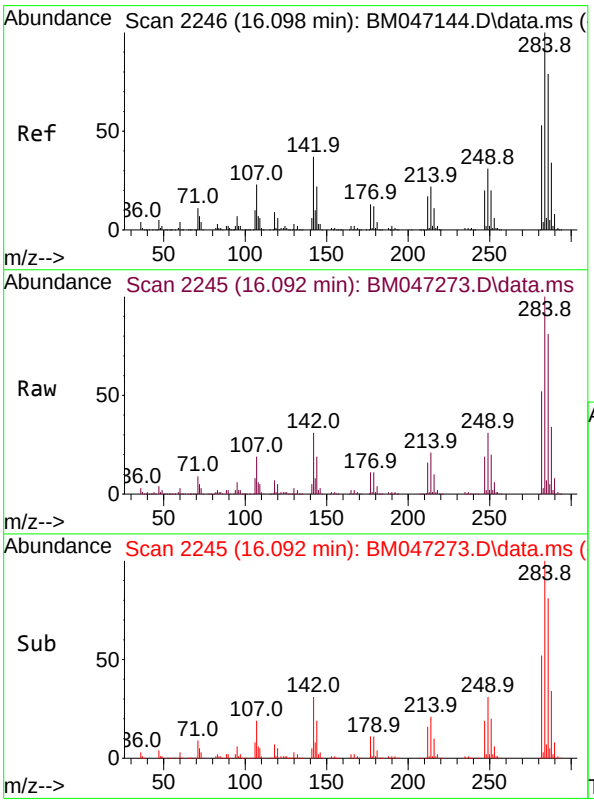
#67
4-Bromophenyl-phenylether
Concen: 40.618 ng
RT: 15.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 556270

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.8
141	65.3	57.7	86.5

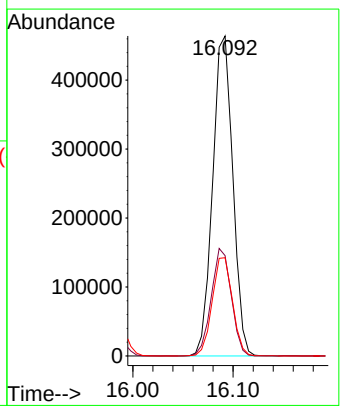


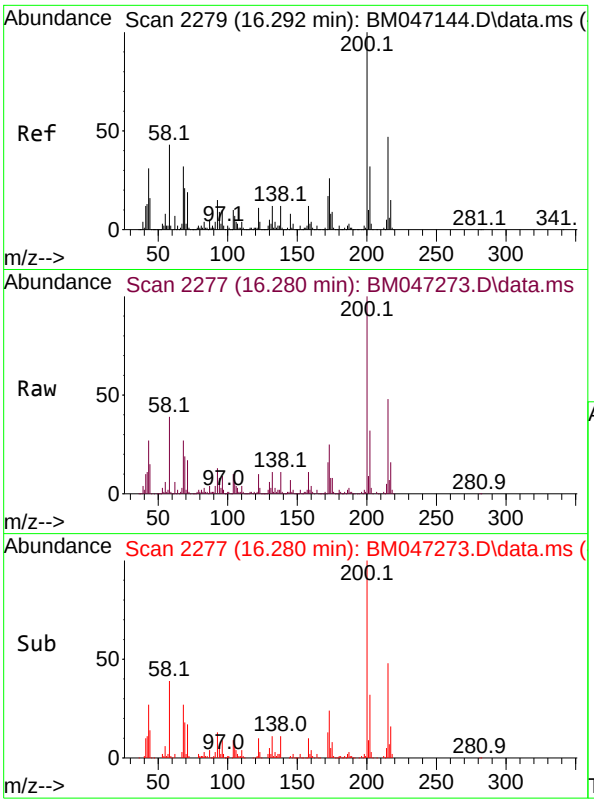


#68
Hexachlorobenzene
Concen: 39.535 ng
RT: 16.092 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:284 Resp: 648467

Ion	Ratio	Lower	Upper
284	100		
142	31.4	29.4	44.0
249	30.7	25.1	37.7



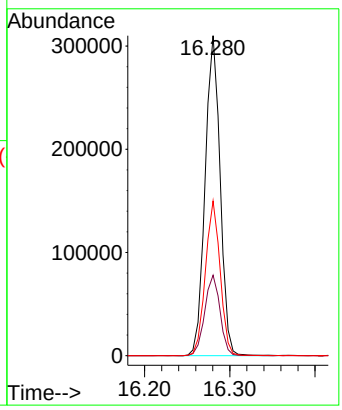


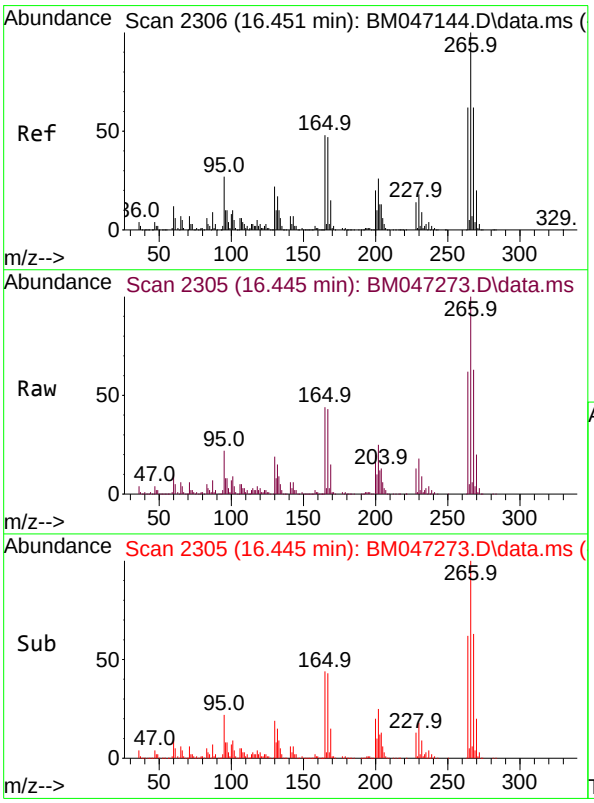
#69
Atrazine
Concen: 32.579 ng
RT: 16.280 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 379503

Ion	Ratio	Lower	Upper
200	100		
173	25.1	6.1	46.1
215	48.3	26.8	66.8

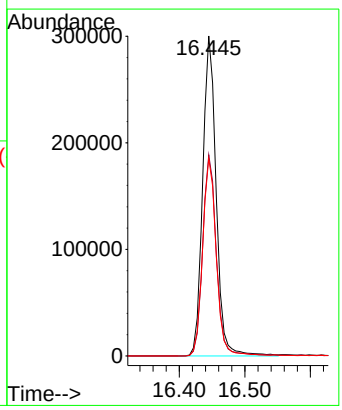


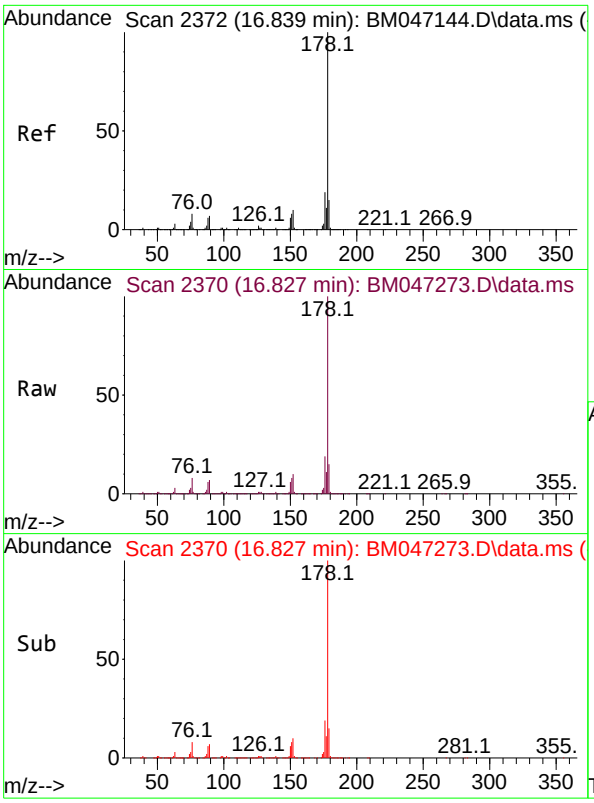


#70
Pentachlorophenol
Concen: 37.465 ng
RT: 16.445 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:266 Resp: 430757

Ion	Ratio	Lower	Upper
266	100		
268	62.9	49.8	74.6
264	61.7	49.6	74.4



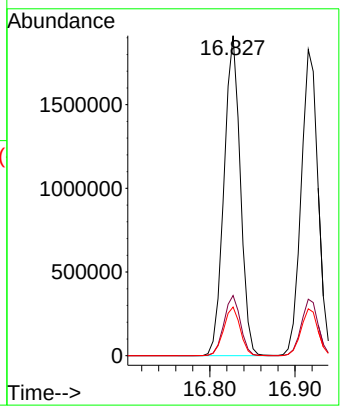


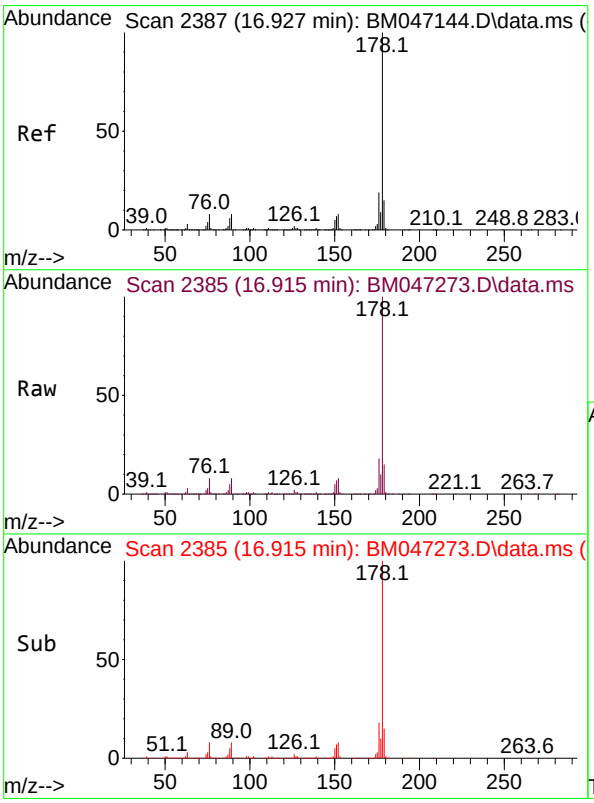
#71
Phenanthrene
Concen: 35.740 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2549232

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.2	12.4	18.6

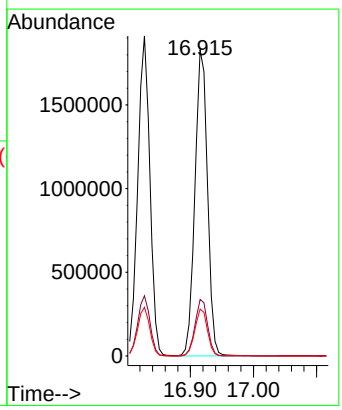


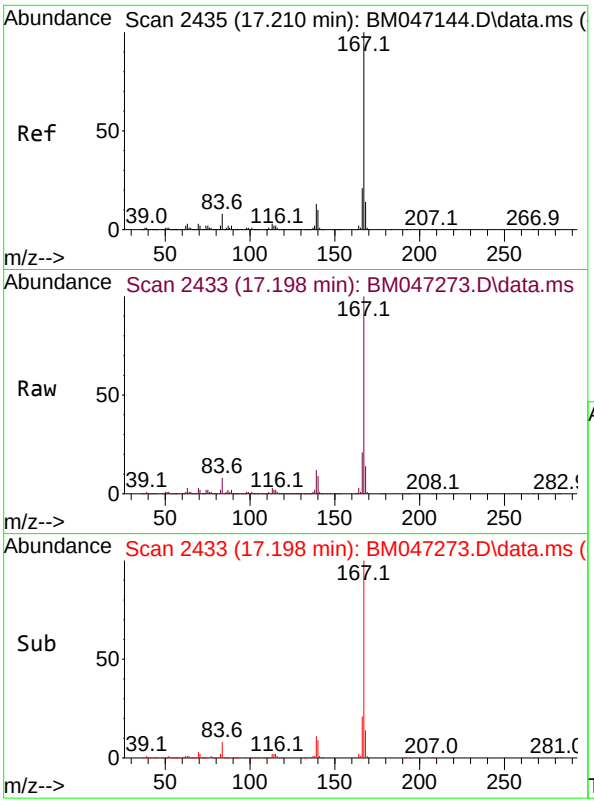


#72
Anthracene
Concen: 36.326 ng
RT: 16.915 min Scan# 2385
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:178 Resp: 2521120

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.4	18.6



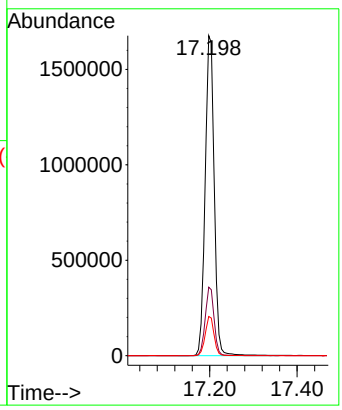


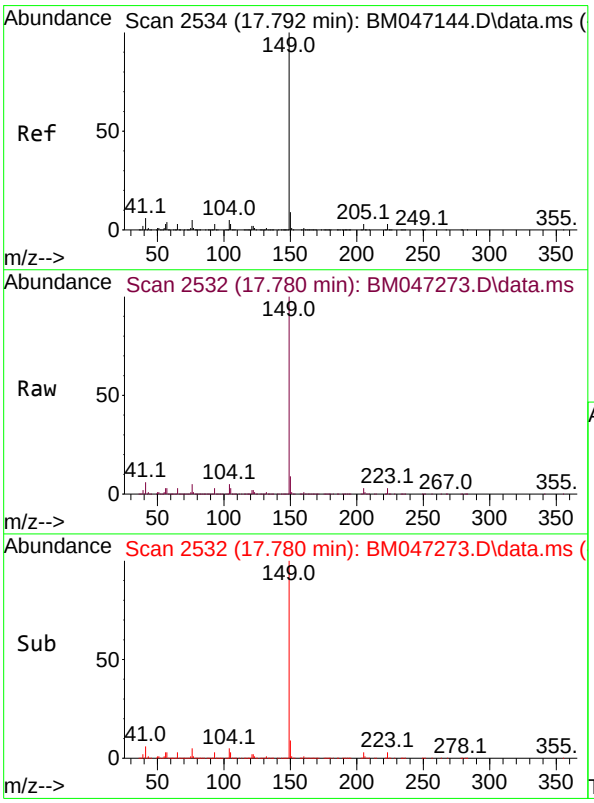
#73
Carbazole
Concen: 34.149 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2419855

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.2	10.0	15.0

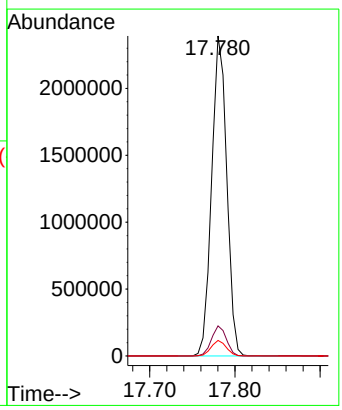


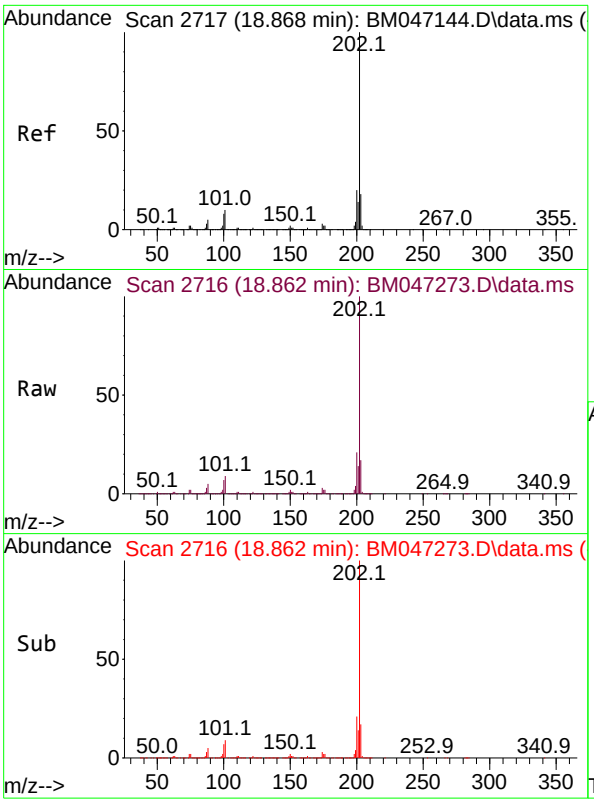


#74
Di-n-butylphthalate
Concen: 35.685 ng
RT: 17.780 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:149 Resp: 2942272

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.8	4.1	6.1



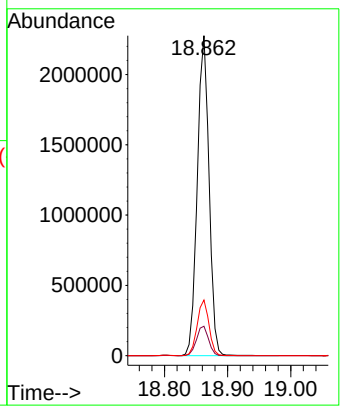


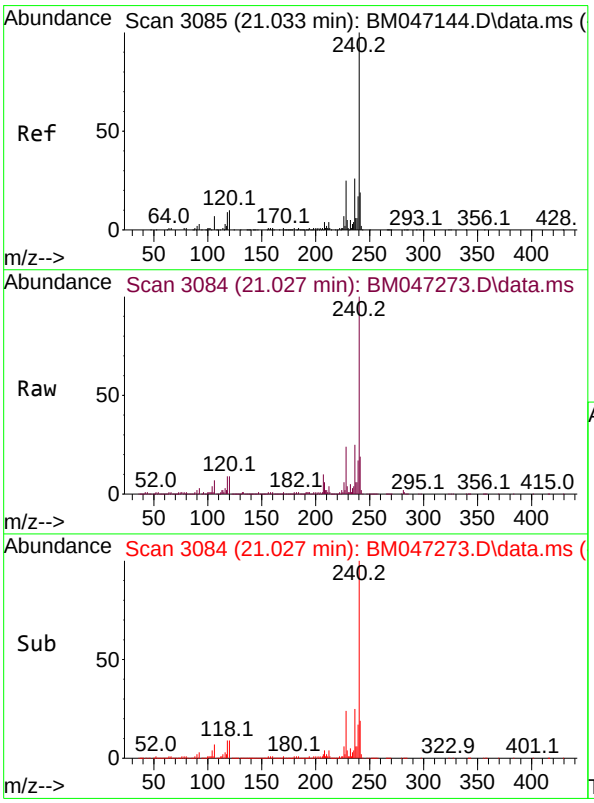
#75
Fluoranthene
Concen: 33.781 ng
RT: 18.862 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2930737

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.4	0.0	37.6

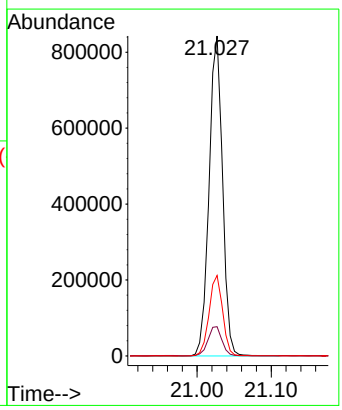


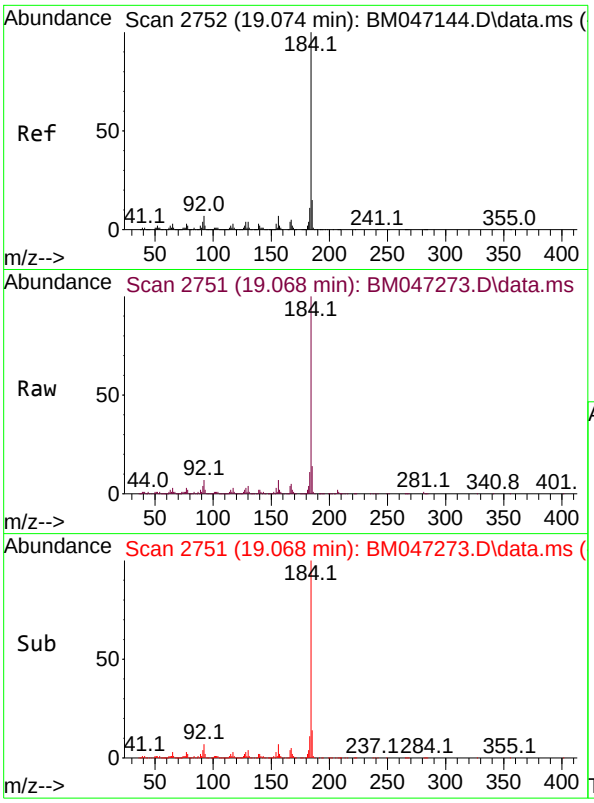


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:240 Resp: 1062416

Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.2	12.2
236	25.1	20.6	30.8



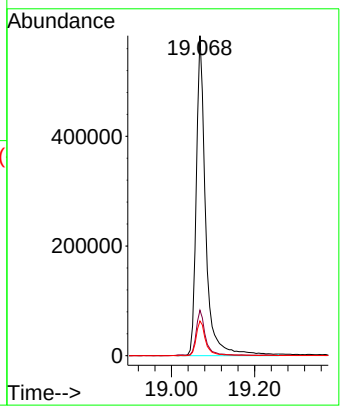


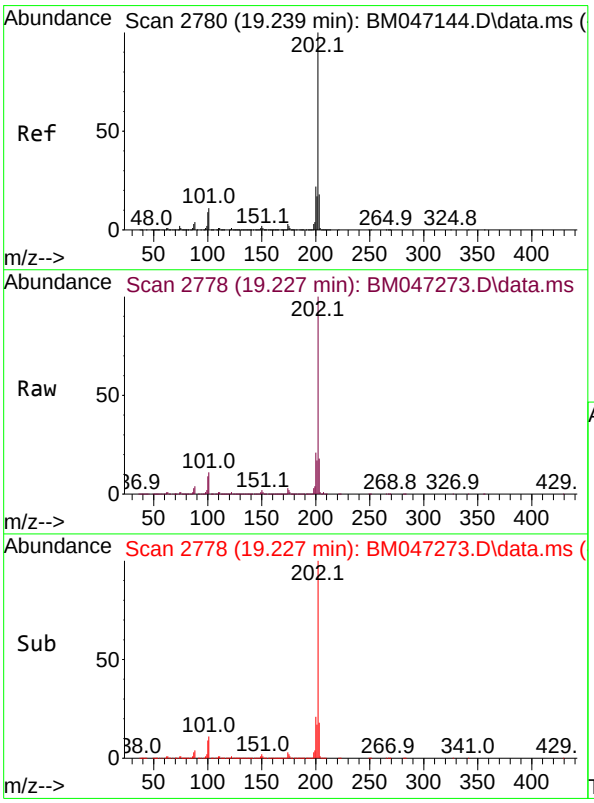
#77
Benzidine
Concen: 51.085 ng
RT: 19.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 920392

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.8	17.6
183	10.9	9.0	13.6

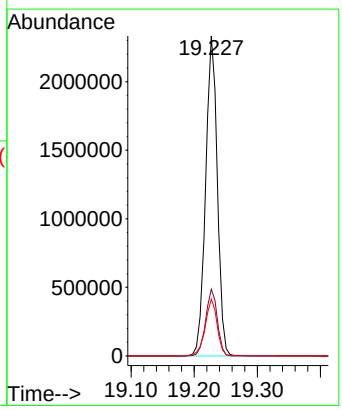


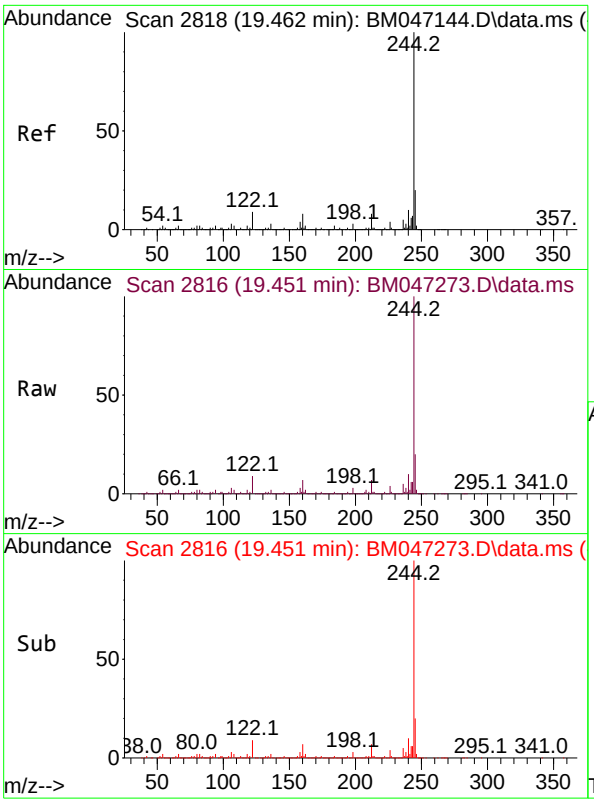


#78
Pyrene
Concen: 39.677 ng
RT: 19.227 min Scan# 2778
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:202 Resp: 3009886

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.8	14.2	21.2



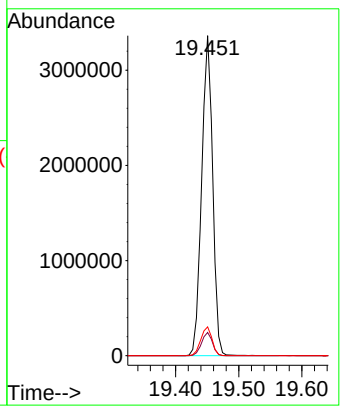


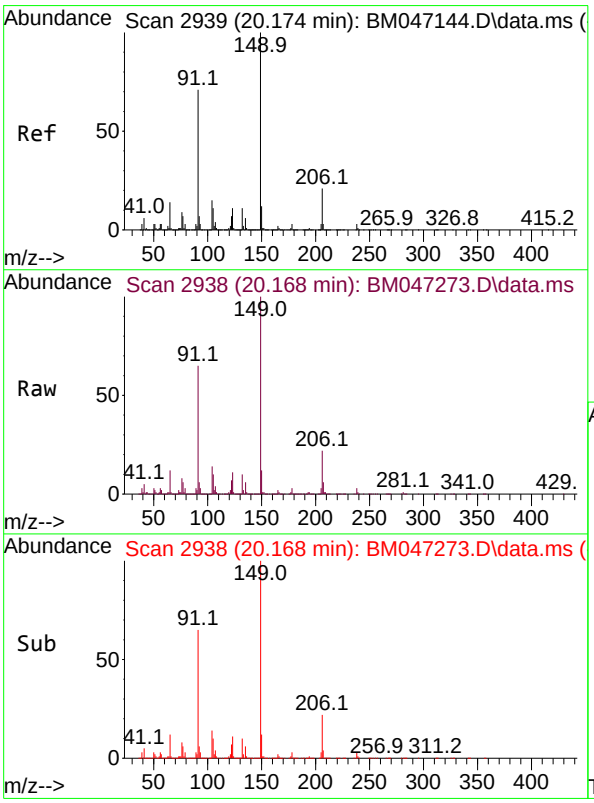
#79
Terphenyl-d14
Concen: 82.014 ng
RT: 19.451 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 4066401

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.4
122	9.0	7.1	10.7

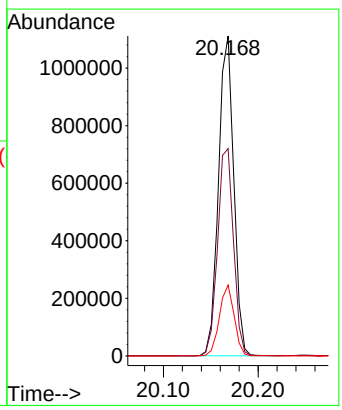


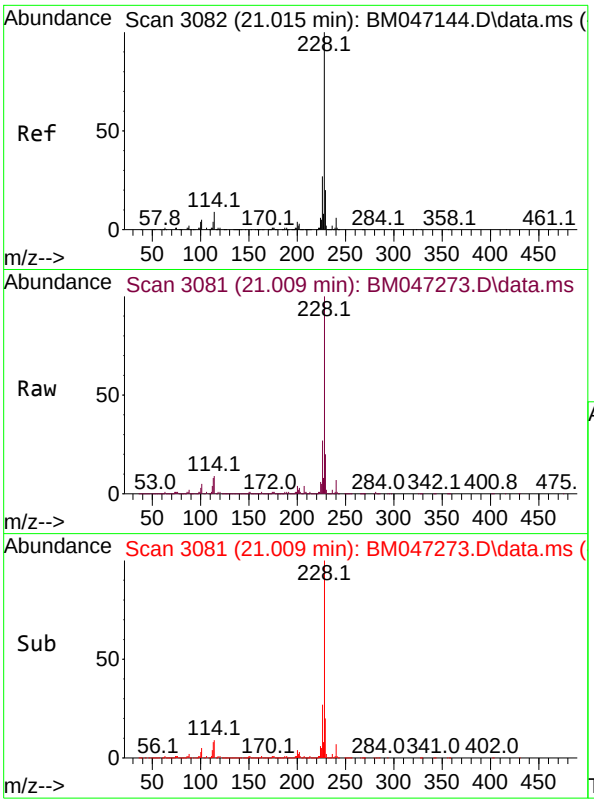


#80
Butylbenzylphthalate
Concen: 40.275 ng
RT: 20.168 min Scan# 2938
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:149 Resp: 1246855

Ion	Ratio	Lower	Upper
149	100		
91	64.8	57.0	85.4
206	22.2	16.4	24.6



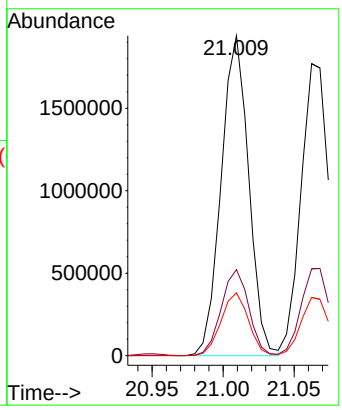


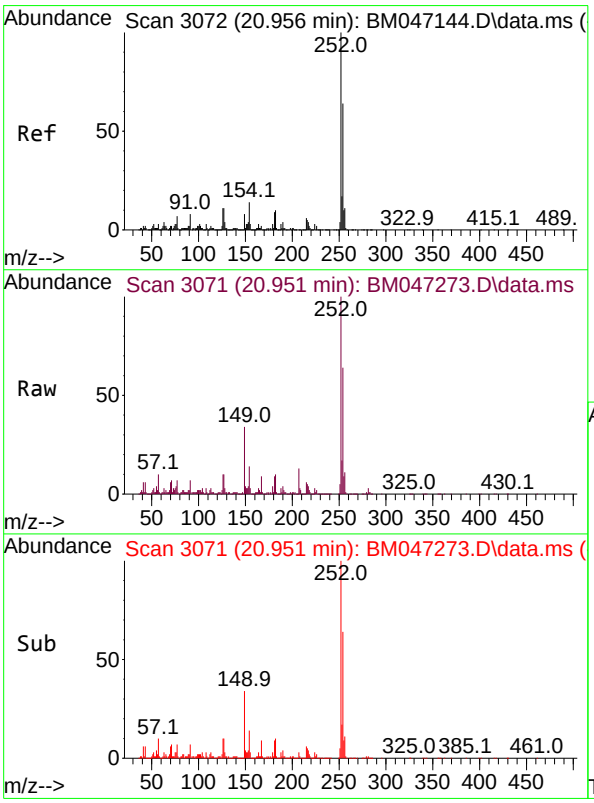
#81
Benzo(a)anthracene
Concen: 37.104 ng
RT: 21.009 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2616899

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.6
229	19.7	15.8	23.8

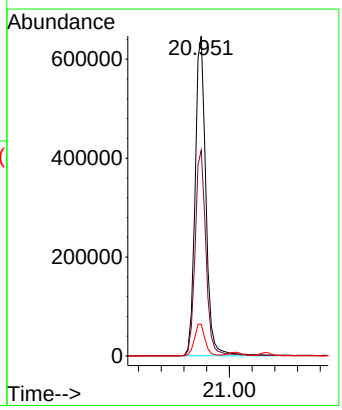


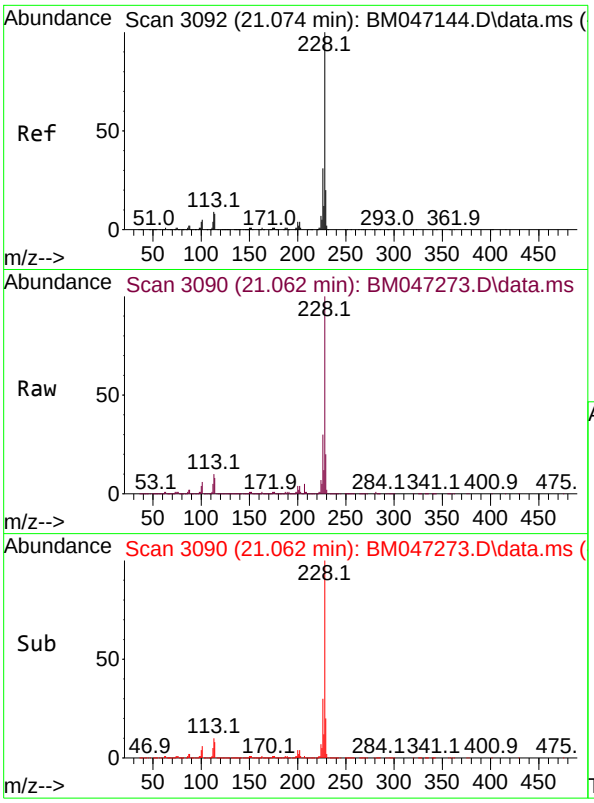


#82
3,3'-Dichlorobenzidine
Concen: 38.703 ng
RT: 20.951 min Scan# 3071
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:252 Resp: 854062

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.0	76.6
126	10.0	8.5	12.7



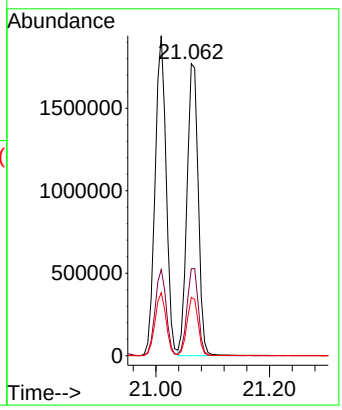


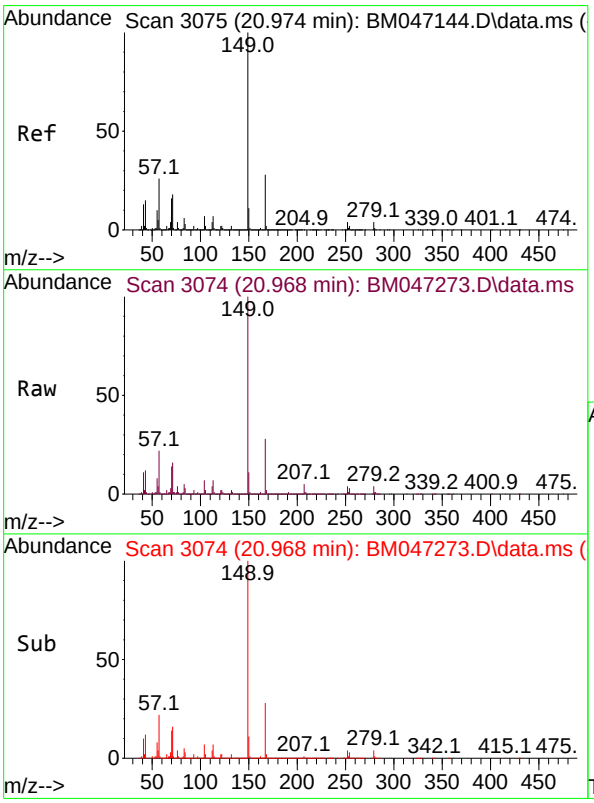
#83
Chrysene
Concen: 36.303 ng
RT: 21.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2429241

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	20.0	15.7	23.5

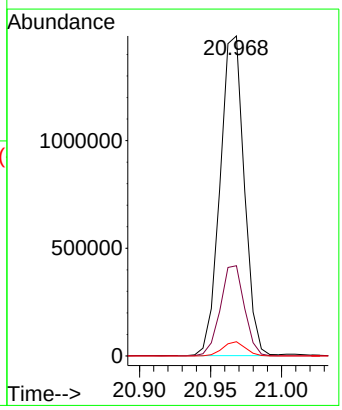


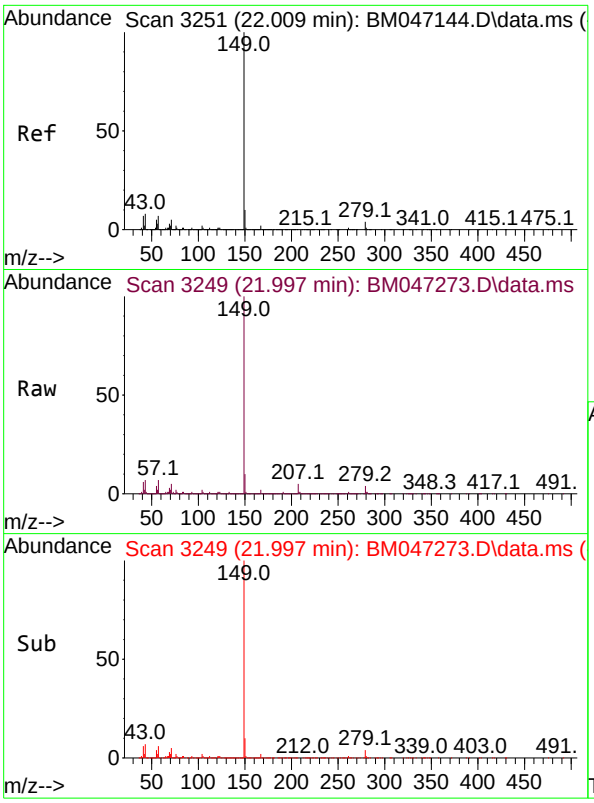


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.975 ng
RT: 20.968 min Scan# 3074
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:149 Resp: 1755081

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.2
279	4.4	3.0	4.4#



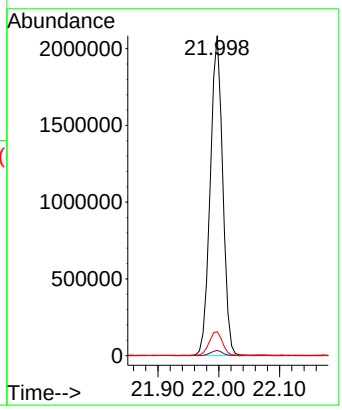


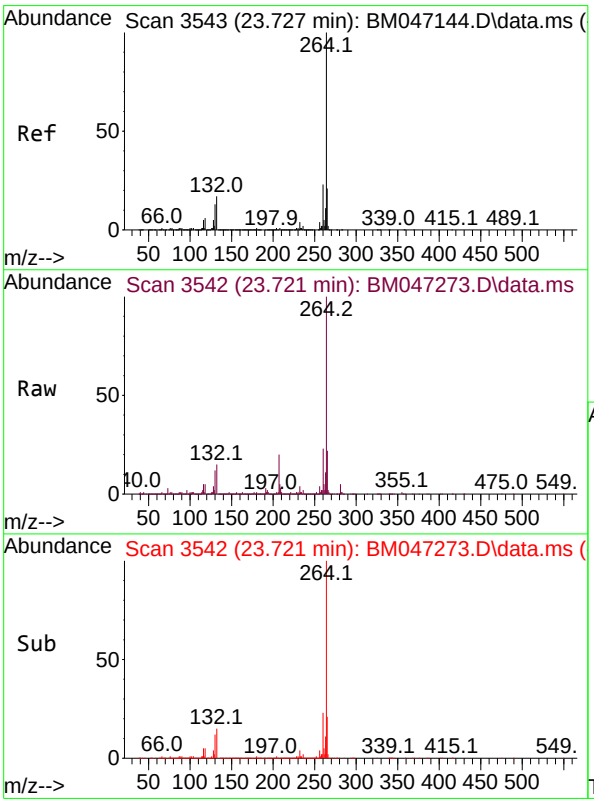
#85
Di-n-octyl phthalate
Concen: 39.723 ng
RT: 21.997 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2964286

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.9	10.3

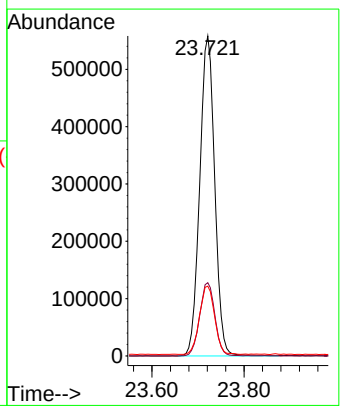


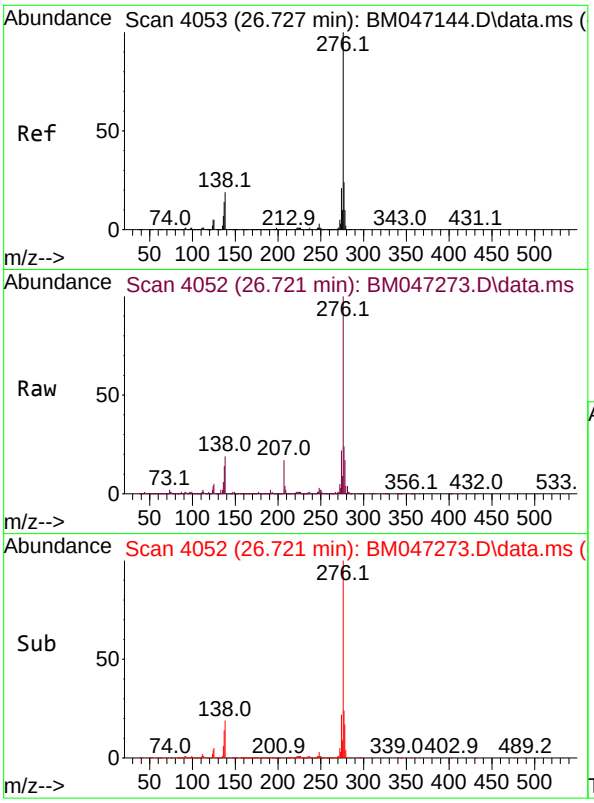


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3542
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:264 Resp: 1267877

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.8	17.3	25.9



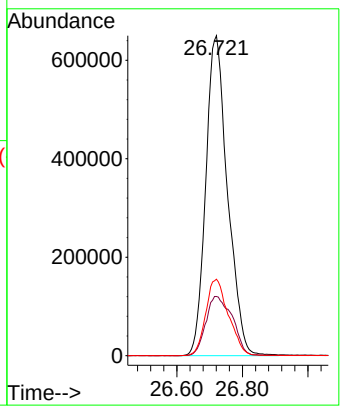


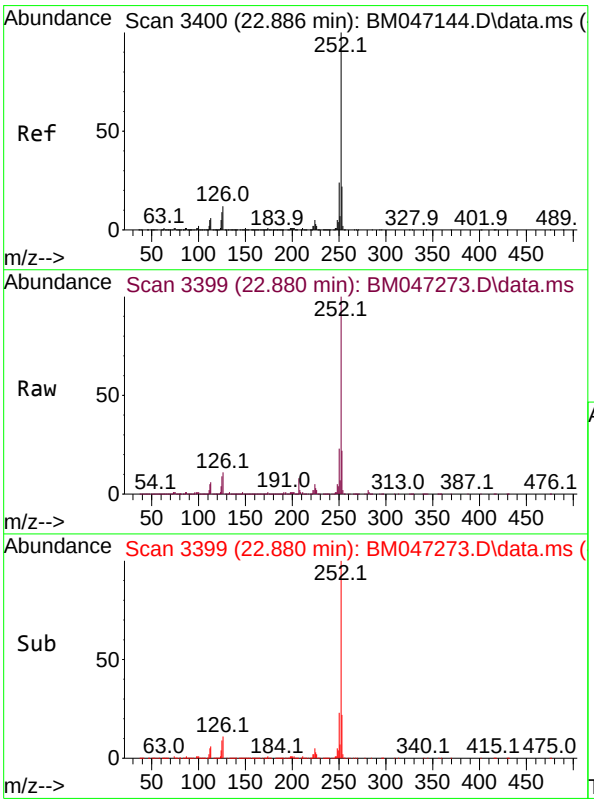
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.699 ng
RT: 26.721 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3007575

Ion	Ratio	Lower	Upper
276	100		
138	22.5	19.4	29.0
277	25.0	20.1	30.1

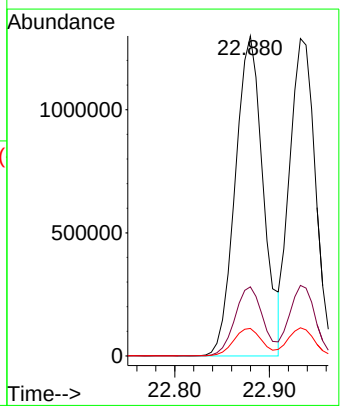


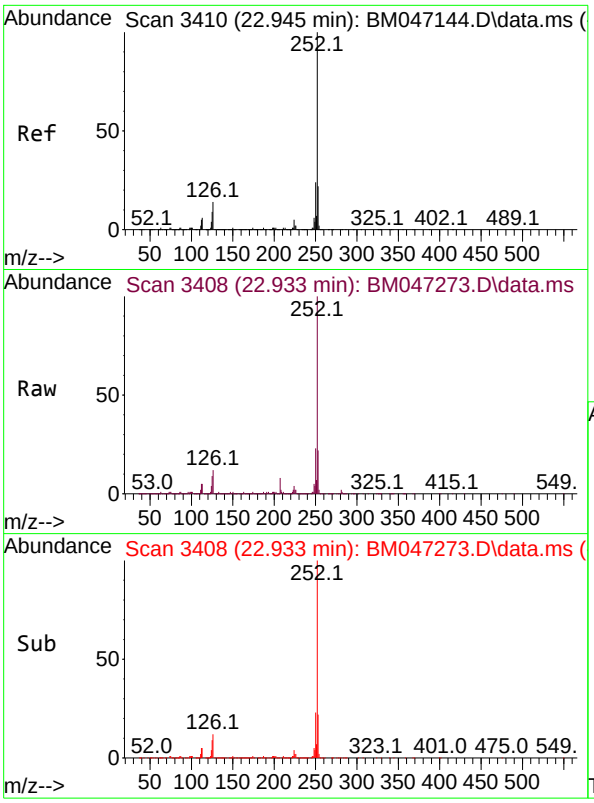


#88
Benzo(b)fluoranthene
Concen: 35.387 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:252 Resp: 2664466

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	8.6	7.4	11.0



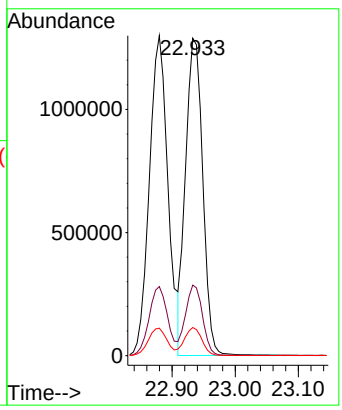


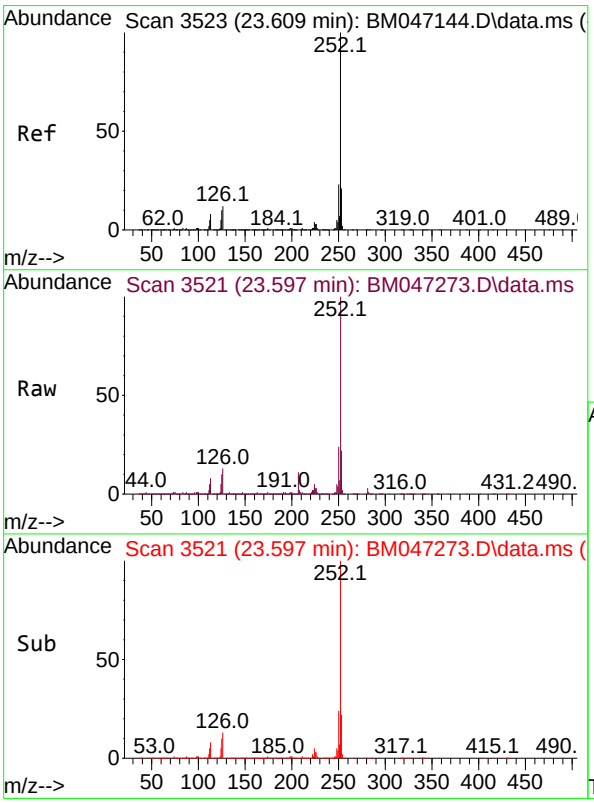
#89
Benzo(k)fluoranthene
Concen: 34.213 ng
RT: 22.933 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2433193

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.9	7.4	11.2

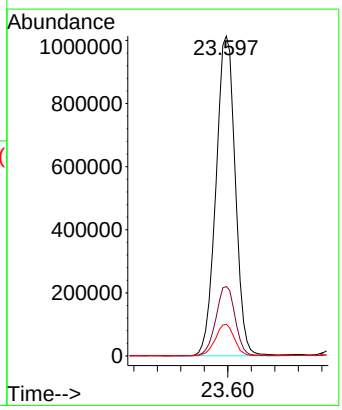


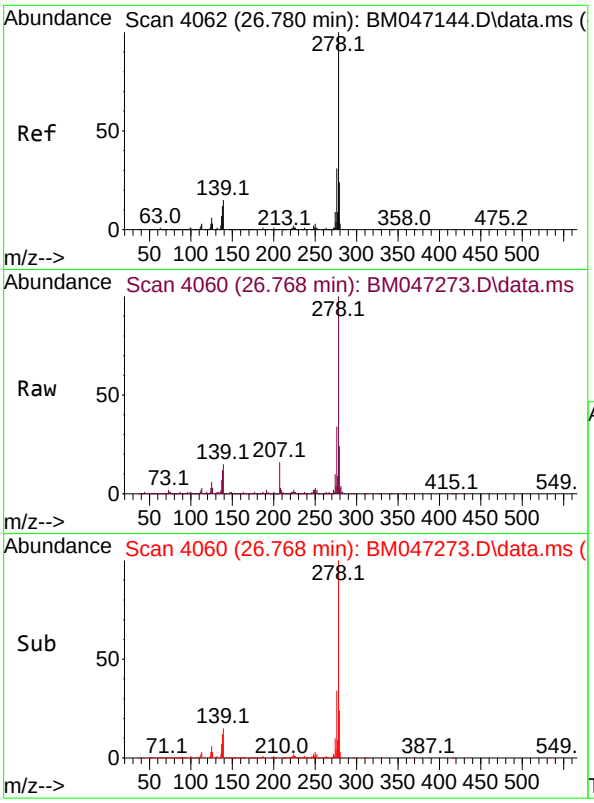


#90
Benzo(a)pyrene
Concen: 35.412 ng
RT: 23.597 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:252 Resp: 2309770

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.9	8.2	12.2



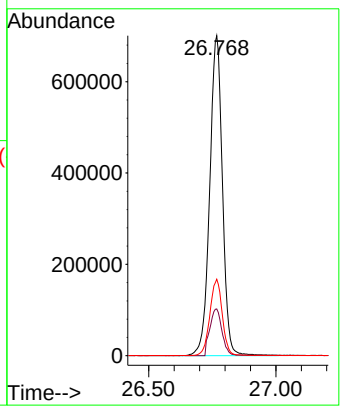


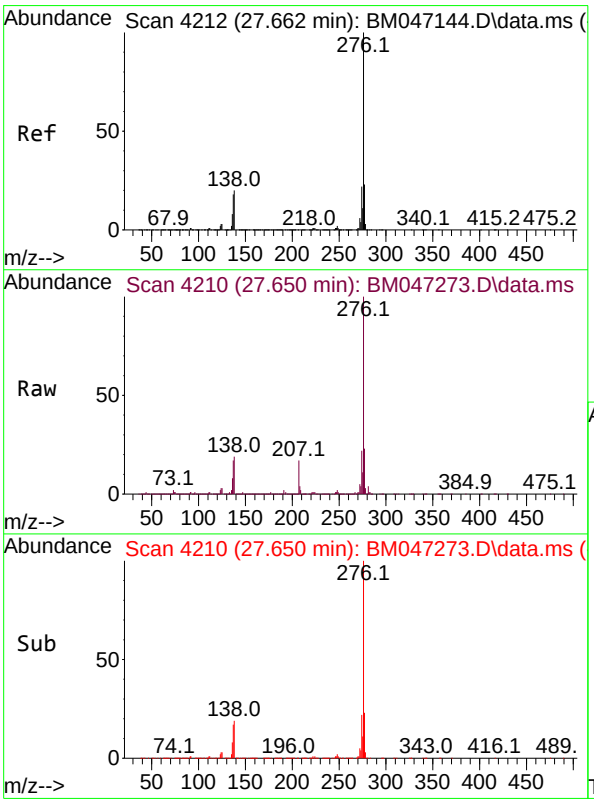
#91
Dibenzo(a,h)anthracene
Concen: 36.768 ng
RT: 26.768 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2438519

Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.0	18.0
279	23.9	19.2	28.8

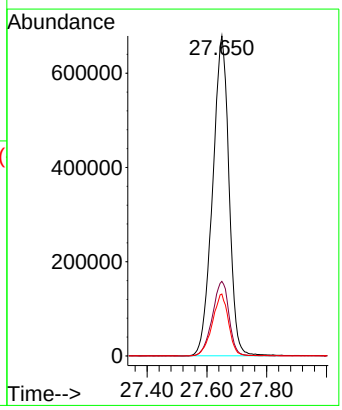




#92
Benzo(g,h,i)perylene
Concen: 37.438 ng
RT: 27.650 min Scan# 4210
Delta R.T. -0.012 min
Lab File: BM047273.D
Acq: 20 Aug 2024 16:55

Tgt Ion:276 Resp: 2577962

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	19.3	16.2	24.4



Sample Results: **BM047273.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	96	-0.02
2		1,4-Dioxane	0.464	0.414	10.8	91	0.00
3		Pyridine	1.360	1.085	20.2	80	0.00
4		n-Nitrosodimethylamine	0.594	0.477	19.7	80	0.00
5	S	2-Fluorophenol	1.119	0.994	11.2	89	0.00
6		Aniline	1.458	1.165	20.1	78	-0.02
7	S	Phenol-d6	1.542	1.269	17.7	83	-0.01
8		2-Chlorophenol	1.221	1.069	12.4	87	-0.01
9		Benzaldehyde	0.904	0.745	17.6	92	-0.01
10	C	Phenol	1.539	1.246	19.0	82	-0.01
11		bis(2-Chloroethyl)ether	1.318	1.085	17.7	81	-0.02
12		1,3-Dichlorobenzene	1.451	1.352	6.8	92	-0.02
13	C	1,4-Dichlorobenzene	1.469	1.351	8.0	91	-0.02
14		1,2-Dichlorobenzene	1.386	1.252	9.7	92	-0.01
15		Benzyl Alcohol	1.098	0.887	19.2	78	-0.02
16		2,2'-oxybis(1-Chloropropane	1.691	1.326	21.6	77	-0.02
17		2-Methylphenol	1.027	0.857	16.6	82	-0.01
18		Hexachloroethane	0.569	0.522	8.3	91	-0.02
19	P	n-Nitroso-di-n-propylamine	1.039	0.773	25.6#	76	-0.02
20		3+4-Methylphenols	1.435	1.166	18.7	79	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	86	-0.02
22		Acetophenone	0.483	0.426	11.8	79	-0.02
23	S	Nitrobenzene-d5	0.397	0.350	11.8	77	-0.01
24		Nitrobenzene	0.400	0.355	11.3	78	-0.01
25		Isophorone	0.692	0.596	13.9	75	-0.02
26	C	2-Nitrophenol	0.177	0.173	2.3	82	-0.01
27		2,4-Dimethylphenol	0.207	0.190	8.2	78	-0.01
28		bis(2-Chloroethoxy)methane	0.435	0.384	11.7	76	-0.02
29	C	2,4-Dichlorophenol	0.308	0.300	2.6	83	-0.01
30		1,2,4-Trichlorobenzene	0.348	0.349	-0.3	87	-0.01
31		Naphthalene	0.996	0.903	9.3	80	-0.02
32		Benzoic acid	0.241	0.218	9.5	75	-0.02
33		4-Chloroaniline	0.383	0.328	14.4	73	-0.02
34	C	Hexachlorobutadiene	0.204	0.220	-7.8	93	-0.02
35		Caprolactam	0.107	0.084	21.5	66	-0.02
36	C	4-Chloro-3-methylphenol	0.328	0.278	15.2	73	0.00
37		2-Methylnaphthalene	0.709	0.628	11.4	78	-0.01
38		1-Methylnaphthalene	0.701	0.614	12.4	78	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	80	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.546	0.585	-7.1	86	-0.01
41	P	Hexachlorocyclopentadiene	0.190	0.178	6.3	71	-0.02
42	S	2,4,6-Tribromophenol	0.232	0.214	7.8	74	0.00
43	C	2,4,6-Trichlorophenol	0.388	0.386	0.5	77	-0.01
44		2,4,5-Trichlorophenol	0.430	0.425	1.2	78	0.00
45	S	2-Fluorobiphenyl	1.297	1.251	3.5	79	-0.02
46		1,1'-Biphenyl	1.424	1.330	6.6	77	-0.02
47		2-Chloronaphthalene	1.113	1.034	7.1	77	-0.01

Sample Results: **BM047273.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	0.349	0.295	15.5	66	-0.01
49		Acenaphthylene	1.640	1.497	8.7	75	-0.01
50		Dimethylphthalate	1.397	1.231	11.9	71	-0.02
51		2,6-Dinitrotoluene	0.327	0.298	8.9	72	0.00
52	C	Acenaphthene	1.041	0.935	10.2	74	-0.01
53		3-Nitroaniline	0.327	0.275	15.9	66	-0.01
54	P	2,4-Dinitrophenol	0.196	0.160	18.4	63	0.00
55		Dibenzofuran	1.644	1.484	9.7	75	-0.01
56	P	4-Nitrophenol	0.282	0.215	23.8	59	0.00
57		2,4-Dinitrotoluene	0.436	0.377	13.5	68	0.00
58		Fluorene	1.356	1.194	11.9	73	-0.01
59		2,3,4,6-Tetrachlorophenol	0.354	0.336	5.1	76	0.00
60		Diethylphthalate	1.426	1.213	14.9	69	-0.02
61		4-Chlorophenyl-phenylether	0.646	0.591	8.5	76	-0.01
62		4-Nitroaniline	0.322	0.254	21.1	64	-0.01
63		Azobenzene	1.352	1.093	19.2	67	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	75	0.00
65		4,6-Dinitro-2-methylphenol	0.117	0.113	3.4	67	0.00
66	c	n-Nitrosodiphenylamine	0.545	0.514	5.7	72	-0.01
67		4-Bromophenyl-phenylether	0.193	0.196	-1.6	77	-0.01
68		Hexachlorobenzene	0.231	0.228	1.3	74	0.00
69		Atrazine	0.164	0.134	18.3	59	-0.01
70	C	Pentachlorophenol	0.162	0.152	6.2	68	0.00
71		Phenanthrene	1.004	0.897	10.7	69	-0.01
72		Anthracene	0.977	0.887	9.2	70	-0.01
73		Carbazole	0.997	0.851	14.6	66	-0.01
74		Di-n-butylphthalate	1.160	1.035	10.8	66	-0.01
75	C	Fluoranthene	1.221	1.031	15.6	64	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	63	0.00
77		Benzidine	0.339	0.433	-27.7#	56	0.00
78		Pyrene	1.428	1.417	0.8	63	-0.01
79	S	Terphenyl-d14	0.933	0.957	-2.6	65	-0.01
80		Butylbenzylphthalate	0.583	0.587	-0.7	61	0.00
81		Benzo(a)anthracene	1.328	1.232	7.2	60	0.00
82		3,3'-Dichlorobenzidine	0.415	0.402	3.1	58	0.00
83		Chrysene	1.260	1.143	9.3	59	-0.01
84		Bis(2-ethylhexyl)phthalate	0.826	0.826	0.0	62	0.00
85	c	Di-n-octyl phthalate	1.405	1.395	0.7	61	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	63	0.00
87		Indeno(1,2,3-cd)pyrene	1.293	1.186	8.3	58	0.00
88		Benzo(b)fluoranthene	1.188	1.051	11.5	57	0.00
89		Benzo(k)fluoranthene	1.122	0.960	14.4	55	-0.01
90	C	Benzo(a)pyrene	1.029	0.911	11.5	56	-0.01
91		Dibenzo(a,h)anthracene	1.046	0.962	8.0	59	-0.01
92		Benzo(g,h,i)perylene	1.086	1.017	6.4	59	-0.01

Sample Results: **BM047273.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM047273.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	96	-0.02
2		1,4-Dioxane	40.000	35.712	10.7	91	0.00
3		Pyridine	40.000	31.902	20.2	80	0.00
4		n-Nitrosodimethylamine	40.000	32.118	19.7	80	0.00
5	S	2-Fluorophenol	80.000	71.070	11.2	89	0.00
6		Aniline	40.000	31.980	20.0	78	-0.02
7	S	Phenol-d6	80.000	65.815	17.7	83	-0.01
8		2-Chlorophenol	40.000	35.017	12.5	87	-0.01
9		Benzaldehyde	40.000	35.040	12.4	92	-0.01
10	C	Phenol	40.000	32.387	19.0	82	-0.01
11		bis(2-Chloroethyl)ether	40.000	32.930	17.7	81	-0.02
12		1,3-Dichlorobenzene	40.000	37.282	6.8	92	-0.02
13	C	1,4-Dichlorobenzene	40.000	36.786	8.0	91	-0.02
14		1,2-Dichlorobenzene	40.000	36.135	9.7	92	-0.01
15		Benzyl Alcohol	40.000	32.335	19.2	78	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	31.356	21.6	77	-0.02
17		2-Methylphenol	40.000	33.395	16.5	82	-0.01
18		Hexachloroethane	40.000	36.675	8.3	91	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	29.782	25.5#	76	-0.02
20		3+4-Methylphenols	40.000	32.499	18.8	79	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	86	-0.02
22		Acetophenone	40.000	35.327	11.7	79	-0.02
23	S	Nitrobenzene-d5	80.000	70.417	12.0	77	-0.01
24		Nitrobenzene	40.000	35.493	11.3	78	-0.01
25		Isophorone	40.000	34.472	13.8	75	-0.02
26	C	2-Nitrophenol	40.000	39.041	2.4	82	-0.01
27		2,4-Dimethylphenol	40.000	36.706	8.2	78	-0.01
28		bis(2-Chloroethoxy)methane	40.000	35.335	11.7	76	-0.02
29	C	2,4-Dichlorophenol	40.000	38.949	2.6	83	-0.01
30		1,2,4-Trichlorobenzene	40.000	40.114	-0.3	87	-0.01
31		Naphthalene	40.000	36.272	9.3	80	-0.02
32		Benzoic acid	40.000	36.179	9.6	75	-0.02
33		4-Chloroaniline	40.000	34.209	14.5	73	-0.02
34	C	Hexachlorobutadiene	40.000	43.182	-8.0	93	-0.02
35		Caprolactam	40.000	31.474	21.3	66	-0.02
36	C	4-Chloro-3-methylphenol	40.000	33.928	15.2	73	0.00
37		2-Methylnaphthalene	40.000	35.408	11.5	78	-0.01
38		1-Methylnaphthalene	40.000	35.048	12.4	78	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	80	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	42.873	-7.2	86	-0.01
41	P	Hexachlorocyclopentadiene	40.000	37.300	6.8	71	-0.02
42	S	2,4,6-Tribromophenol	80.000	73.866	7.7	74	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.807	0.5	77	-0.01
44		2,4,5-Trichlorophenol	40.000	39.498	1.3	78	0.00
45	S	2-Fluorobiphenyl	80.000	77.189	3.5	79	-0.02
46		1,1'-Biphenyl	40.000	37.350	6.6	77	-0.02
47		2-Chloronaphthalene	40.000	37.149	7.1	77	-0.01

Sample Results: **BM047273.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	33.855	15.4	66	-0.01
49		Acenaphthylene	40.000	36.494	8.8	75	-0.01
50		Dimethylphthalate	40.000	35.265	11.8	71	-0.02
51		2,6-Dinitrotoluene	40.000	36.470	8.8	72	0.00
52	C	Acenaphthene	40.000	35.959	10.1	74	-0.01
53		3-Nitroaniline	40.000	33.606	16.0	66	-0.01
54	P	2,4-Dinitrophenol	40.000	32.704	18.2	63	0.00
55		Dibenzofuran	40.000	36.117	9.7	75	-0.01
56	P	4-Nitrophenol	40.000	30.546	23.6	59	0.00
57		2,4-Dinitrotoluene	40.000	34.614	13.5	68	0.00
58		Fluorene	40.000	35.223	11.9	73	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	38.039	4.9	76	0.00
60		Diethylphthalate	40.000	34.014	15.0	69	-0.02
61		4-Chlorophenyl-phenylether	40.000	36.631	8.4	76	-0.01
62		4-Nitroaniline	40.000	31.542	21.1	64	-0.01
63		Azobenzene	40.000	32.335	19.2	67	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	75	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.584	3.5	67	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.770	5.6	72	-0.01
67		4-Bromophenyl-phenylether	40.000	40.618	-1.5	77	-0.01
68		Hexachlorobenzene	40.000	39.535	1.2	74	0.00
69		Atrazine	40.000	32.579	18.6	59	-0.01
70	C	Pentachlorophenol	40.000	37.465	6.3	68	0.00
71		Phenanthrene	40.000	35.740	10.6	69	-0.01
72		Anthracene	40.000	36.326	9.2	70	-0.01
73		Carbazole	40.000	34.149	14.6	66	-0.01
74		Di-n-butylphthalate	40.000	35.685	10.8	66	-0.01
75	C	Fluoranthene	40.000	33.781	15.5	64	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	63	0.00
77		Benzidine	40.000	51.085	-27.7#	56	0.00
78		Pyrene	40.000	39.677	0.8	63	-0.01
79	S	Terphenyl-d14	80.000	82.014	-2.5	65	-0.01
80		Butylbenzylphthalate	40.000	40.275	-0.7	61	0.00
81		Benzo(a)anthracene	40.000	37.104	7.2	60	0.00
82		3,3'-Dichlorobenzidine	40.000	38.703	3.2	58	0.00
83		Chrysene	40.000	36.303	9.2	59	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	39.975	0.1	62	0.00
85	c	Di-n-octyl phthalate	40.000	39.723	0.7	61	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	63	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.699	8.3	58	0.00
88		Benzo(b)fluoranthene	40.000	35.387	11.5	57	0.00
89		Benzo(k)fluoranthene	40.000	34.213	14.5	55	-0.01
90	C	Benzo(a)pyrene	40.000	35.412	11.5	56	-0.01
91		Dibenzo(a,h)anthracene	40.000	36.768	8.1	59	-0.01
92		Benzo(g,h,i)perylene	40.000	37.438	6.4	59	-0.01

Sample Results: **BM047273.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047273.D
Acq On : 20 Aug 2024 16:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:46:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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.: P3645 SAS No.: P3645 SDG No.: P3645

Instrument ID: BNA_P Calibration Date/Time: 08/21/2024 10:10

Lab File ID: BP021592.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.783	1.611		-9.6	
2-Fluorophenol	1.347	1.386		2.9	
Benzaldehyde	1.258	1.091		-13.3	
Phenol-d6	1.965	1.977		0.6	
2-Methylphenol	1.286	1.305		1.5	
3+4-Methylphenols	1.734	1.825		5.2	
Nitrobenzene-d5	0.387	0.422		9.0	
Hexachloroethane	0.599	0.595		-0.7	
Nitrobenzene	0.421	0.431		2.4	
Naphthalene	1.045	1.044		-0.1	
Hexachlorobutadiene	0.215	0.205		-4.7	20.0
2-Methylnaphthalene	0.713	0.713		0.0	
2,4,6-Trichlorophenol	0.326	0.377		15.6	20.0
2-Fluorobiphenyl	1.310	1.238		-5.5	
2,4,5-Trichlorophenol	0.362	0.428		18.2	
Acenaphthylene	1.619	1.609		-0.6	
Acenaphthene	1.063	1.108		4.2	20.0
Dibenzofuran	1.635	1.652		1.0	
2,4-Dinitrotoluene	0.284	0.455		60.2	
Fluorene	1.343	1.339		-0.3	
2,4,6-Tribromophenol	0.223	0.273		22.4	
Hexachlorobenzene	0.250	0.235		-6.0	
Pentachlorophenol	0.137	0.170		24.1	20.0
Phenanthrene	0.962	0.954		-0.8	
Anthracene	0.943	0.939		-0.4	
Carbazole	0.909	0.951		4.6	
Di-n-butylphthalate	1.116	1.157		3.7	
Fluoranthene	1.180	1.267		7.4	20.0
Pyrene	1.307	1.288		-1.5	
Terphenyl-d14	1.029	0.947		-8.0	
Benzo(a)anthracene	1.256	1.256		0.0	
Chrysene	1.185	1.189		0.3	
Bis(2-ethylhexyl)phthalate	0.742	0.828		11.6	
Benzo(b)fluoranthene	1.149	1.155		0.5	
Benzo(k)fluoranthene	1.121	1.078		-3.8	
Benzo(a)pyrene	0.997	0.999		0.2	20.0
Indeno(1,2,3-cd)pyrene	1.296	1.288		-0.6	
Dibenzo(a,h)anthracene	1.077	1.069		-0.7	
Benzo(g,h,i)perylene	1.080	1.079		-0.1	

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.: P3645 SAS No.: P3645 SDG No.: P3645

Instrument ID: BNA_P Calibration Date/Time: 08/21/2024 10:10

Lab File ID: BP021592.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.639	0.574		-10.2	20.0
1-Methylnaphthalene	0.703	0.703		0.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	299938	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1244552	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	863135	20.000	ng		0.00
64) Phenanthrene-d10	17.263	188	1998553	20.000	ng		0.01
76) Chrysene-d12	21.733	240	2127498	20.000	ng		0.04
86) Perylene-d12	25.174	264	2528931	20.000	ng		0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.405	112	1662870	82.321	ng		0.01
7) Phenol-d6	6.969	99	2372349	80.509	ng		0.00
23) Nitrobenzene-d5	8.946	82	2098453	87.029	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	942695	98.133	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	4274617	75.582	ng		0.00
79) Terphenyl-d14	19.986	244	8059275	73.593	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	344196	35.937	ng		98
3) Pyridine	3.716	79	966341	36.141	ng		93
4) n-Nitrosodimethylamine	3.622	42	304047	37.833	ng		91
6) Aniline	7.134	93	1072114	36.394	ng		96
8) 2-Chlorophenol	7.369	128	798991	42.802	ng		96
9) Benzaldehyde	6.946	77	654682m	34.700	ng		
10) Phenol	6.999	94	1203568	39.444	ng		96
11) bis(2-Chloroethyl)ether	7.222	93	909737	35.234	ng		98
12) 1,3-Dichlorobenzene	7.699	146	875909	39.503	ng		96
13) 1,4-Dichlorobenzene	7.840	146	887831	39.653	ng		97
14) 1,2-Dichlorobenzene	8.157	146	849104	39.353	ng		98
15) Benzyl Alcohol	8.034	79	804547	38.053	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.328	45	832233	35.001	ng		97
17) 2-Methylphenol	8.240	107	782857	40.583	ng		95
18) Hexachloroethane	8.881	117	356687	39.727	ng		98
19) n-Nitroso-di-n-propyla...	8.604	70	679610	33.388	ng		96
20) 3+4-Methylphenols	8.563	107	1094779	42.089	ng		98
22) Acetophenone	8.616	105	1456800	38.102	ng	#	98
24) Nitrobenzene	8.987	77	1072762	40.964	ng		93
25) Isophorone	9.522	82	2008607	35.261	ng		96
26) 2-Nitrophenol	9.698	139	409562	56.798	ng		93
27) 2,4-Dimethylphenol	9.763	122	573426	40.790	ng		96
28) bis(2-Chloroethoxy)met...	9.998	93	1258385	36.190	ng		100
29) 2,4-Dichlorophenol	10.240	162	753034	45.336	ng		97
30) 1,2,4-Trichlorobenzene	10.451	180	837253	39.317	ng		98
31) Naphthalene	10.640	128	2598668	39.970	ng		100
32) Benzoic acid	9.893	122	685886	64.978	ng		92
33) 4-Chloroaniline	10.740	127	1016351	41.616	ng		95
34) Hexachlorobutadiene	10.934	225	511254	38.130	ng		99
35) Caprolactam	11.522	113	338251	48.925	ng		89
36) 4-Chloro-3-methylphenol	11.863	107	1038019	45.052	ng		96
37) 2-Methylnaphthalene	12.251	142	1773611	39.970	ng		100
38) 1-Methylnaphthalene	12.475	142	1750319	39.995	ng		99
40) 1,2,4,5-Tetrachloroben...	12.628	216	963399	38.094	ng		99
41) Hexachlorocyclopentadiene	12.610	237	299697	37.390	ng		98
43) 2,4,6-Trichlorophenol	12.869	196	651032	46.343	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	738109	47.290	ng		97
46) 1,1'-Biphenyl	13.269	154	2347656	38.444	ng		98
47) 2-Chloronaphthalene	13.310	162	1841602	38.735	ng		99
48) 2-Nitroaniline	13.510	65	622860	46.878	ng		88
49) Acenaphthylene	14.175	152	2777456	39.740	ng		100
50) Dimethylphthalate	13.904	163	2383762	41.239	ng		99
51) 2,6-Dinitrotoluene	14.010	165	547117	47.006	ng		89
52) Acenaphthene	14.522	154	1913215m	41.720	ng		
53) 3-Nitroaniline	14.339	138	572615	49.787	ng	#	90
54) 2,4-Dinitrophenol	14.557	184	257171	68.565	ng		91
55) Dibenzofuran	14.863	168	2852179	40.431	ng		99
56) 4-Nitrophenol	14.657	139	530034	56.857	ng	#	86
57) 2,4-Dinitrotoluene	14.816	165	786066	52.475	ng	#	83
58) Fluorene	15.522	166	2311380	39.883	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.086	232	652137	49.225	ng		98
60) Diethylphthalate	15.292	149	2468390	41.619	ng		100
61) 4-Chlorophenyl-phenyle...	15.516	204	1162069	38.791	ng		99
62) 4-Nitroaniline	15.528	138	624880	52.720	ng		92
63) Azobenzene	15.816	77	2628337	36.052	ng		96
65) 4,6-Dinitro-2-methylph...	15.604	198	385486	59.143	ng		97
66) n-Nitrosodiphenylamine	15.728	169	2028600	37.876	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	782107	36.976	ng		96
68) Hexachlorobenzene	16.551	284	940976	37.644	ng		96
69) Atrazine	16.704	200	586984	31.922	ng		100
70) Pentachlorophenol	16.904	266	678081	49.701	ng		99
71) Phenanthrene	17.304	178	3812612	39.667	ng		100
72) Anthracene	17.398	178	3753460	39.819	ng		100
73) Carbazole	17.680	167	3802182	41.855	ng		100
74) Di-n-butylphthalate	18.286	149	4626416	41.468	ng		99
75) Fluoranthene	19.392	202	5065836	42.956	ng		100
77) Benzidine	19.580	184	2179850	44.381	ng		100
78) Pyrene	19.769	202	5480284	39.410	ng		100
80) Butylbenzylphthalate	20.716	149	2291308	43.759	ng		97
81) Benzo(a)anthracene	21.715	228	5344489	40.017	ng		99
82) 3,3'-Dichlorobenzidine	21.621	252	1980659	46.254	ng		98
83) Chrysene	21.780	228	5057713	40.110	ng		100
84) Bis(2-ethylhexyl)phtha...	21.663	149	3523936	44.643	ng		100
85) Di-n-octyl phthalate	22.974	149	6254114	45.395	ng		97
87) Indeno(1,2,3-cd)pyrene	29.092	276	6515210m	39.744	ng		
88) Benzo(b)fluoranthene	24.080	252	5840763	40.214	ng		100
89) Benzo(k)fluoranthene	24.157	252	5450839	38.472	ng		99
90) Benzo(a)pyrene	25.021	252	5054251	40.100	ng		99
91) Dibenzo(a,h)anthracene	29.180	278	5406445	39.693	ng		99
92) Benzo(g,h,i)perylene	30.327	276	5458301	39.982	ng		99

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

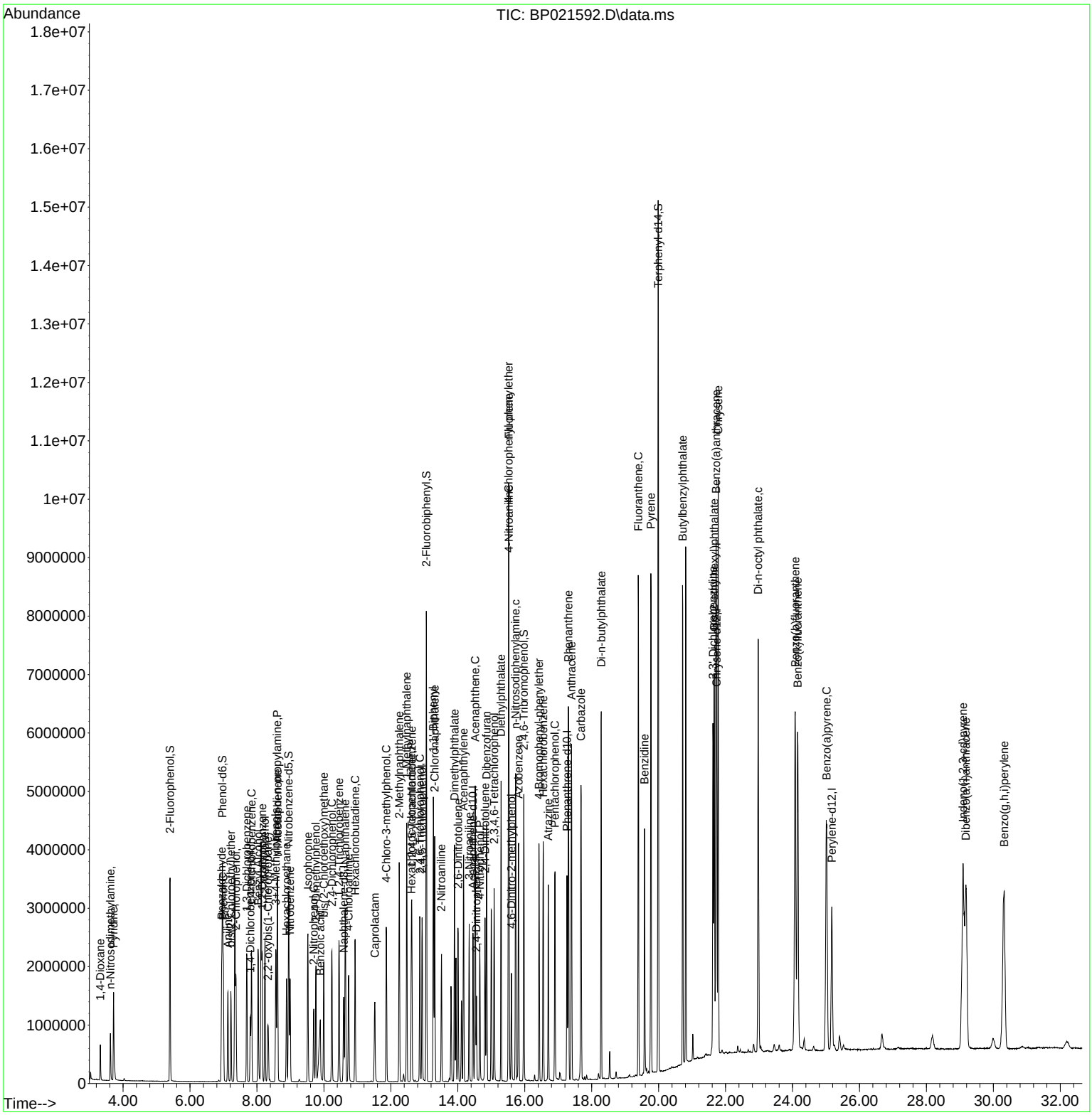
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

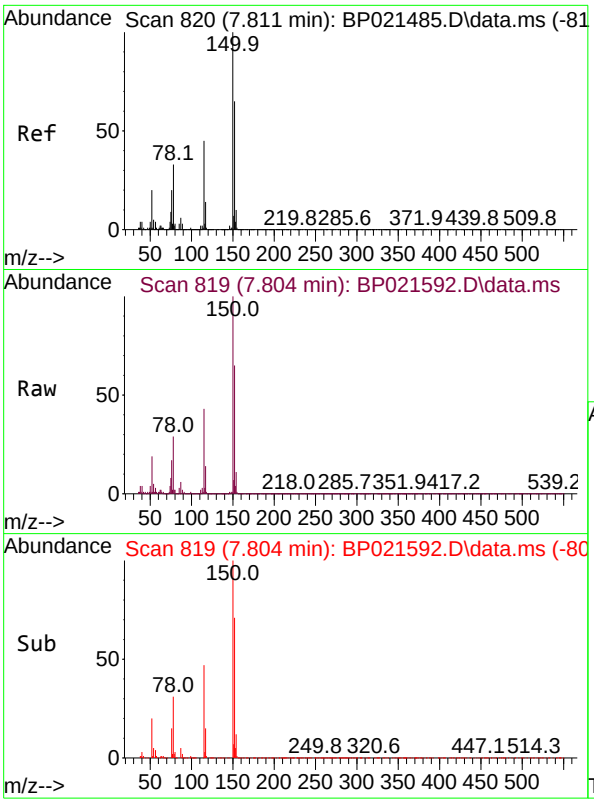
Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

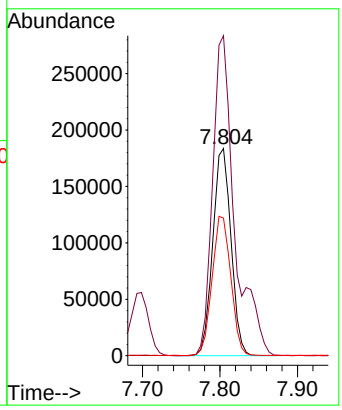




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:152 Resp: 29993

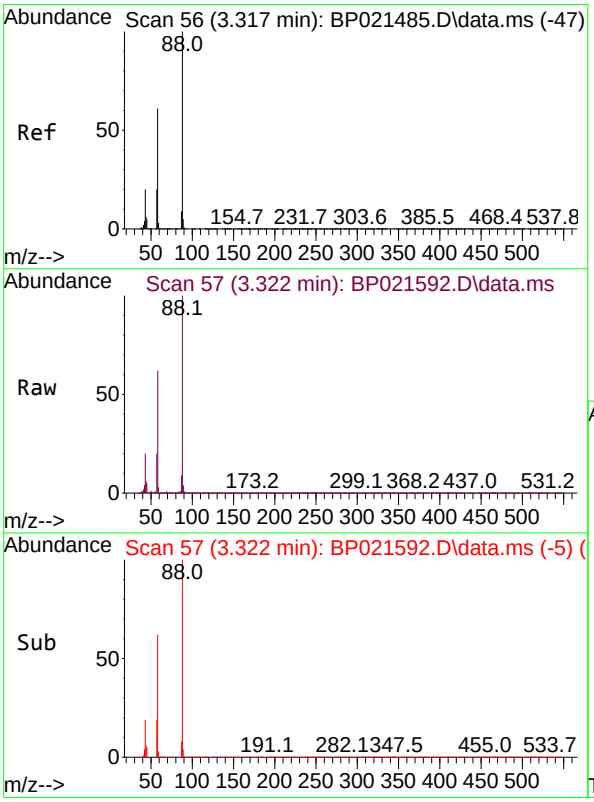
Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.4	183.6
115	66.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

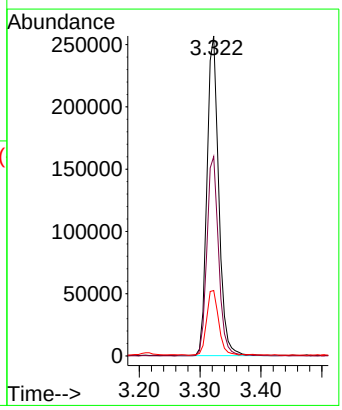
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

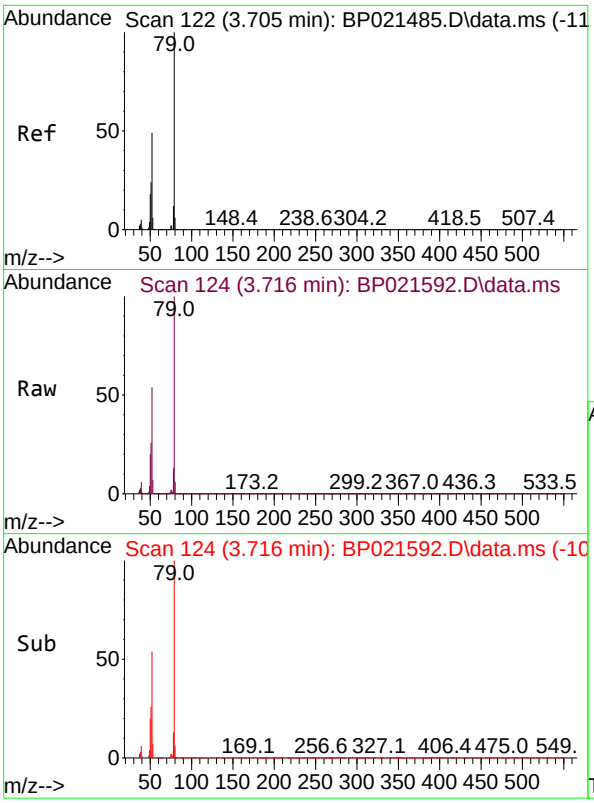


#2
1,4-Dioxane
Concen: 35.937 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 88 Resp: 344196

Ion	Ratio	Lower	Upper
88	100		
58	62.3	48.7	73.1
43	20.9	15.4	23.2





#3
Pyridine
Concen: 36.141 ng
RT: 3.716 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

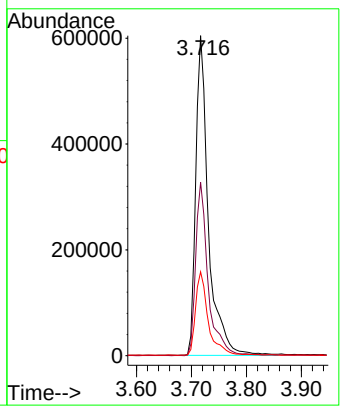
Tgt Ion: 79 Resp: 96634

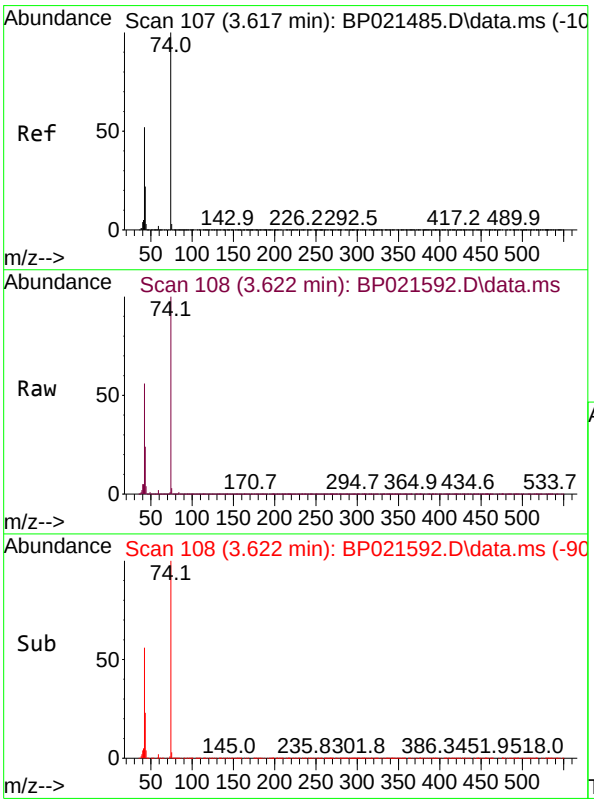
Ion	Ratio	Lower	Upper
79	100		
52	54.2	39.0	58.6
51	26.2	19.2	28.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

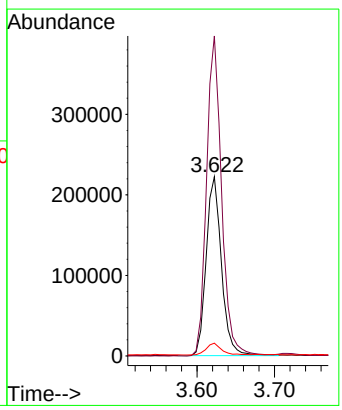


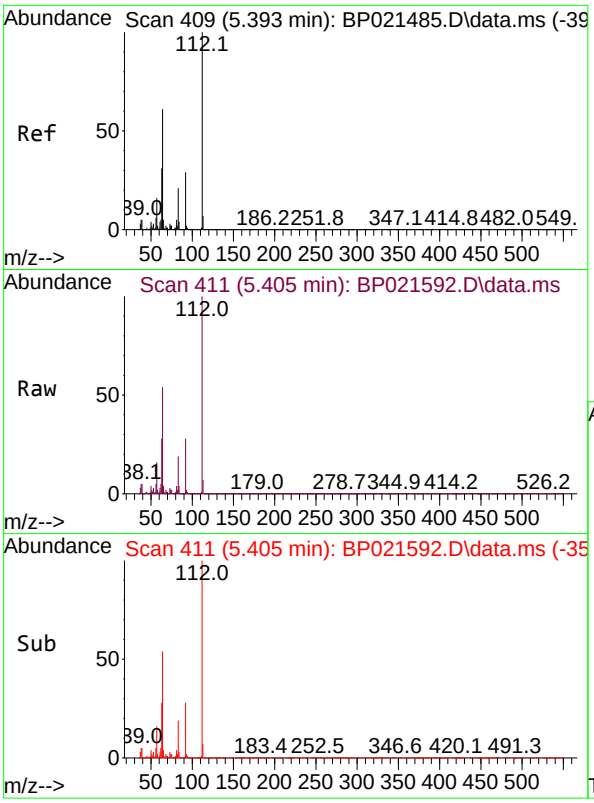


#4
n-Nitrosodimethylamine
Concen: 37.833 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 42 Resp: 304047

Ion	Ratio	Lower	Upper
42	100		
74	178.6	154.3	231.5
44	7.1	6.2	9.4





#5
2-Fluorophenol
Concen: 82.321 ng
RT: 5.405 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:112 Resp: 166287

Ion	Ratio	Lower	Upper
112	100		
64	54.2	49.0	73.6
63	27.8	24.6	36.8

Instrument :
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ClientSampleId :
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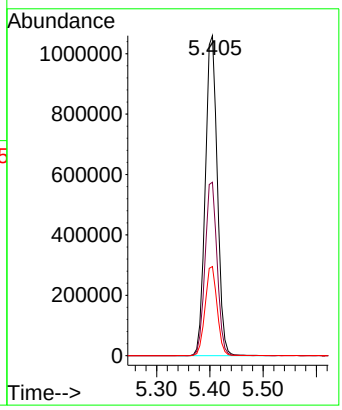
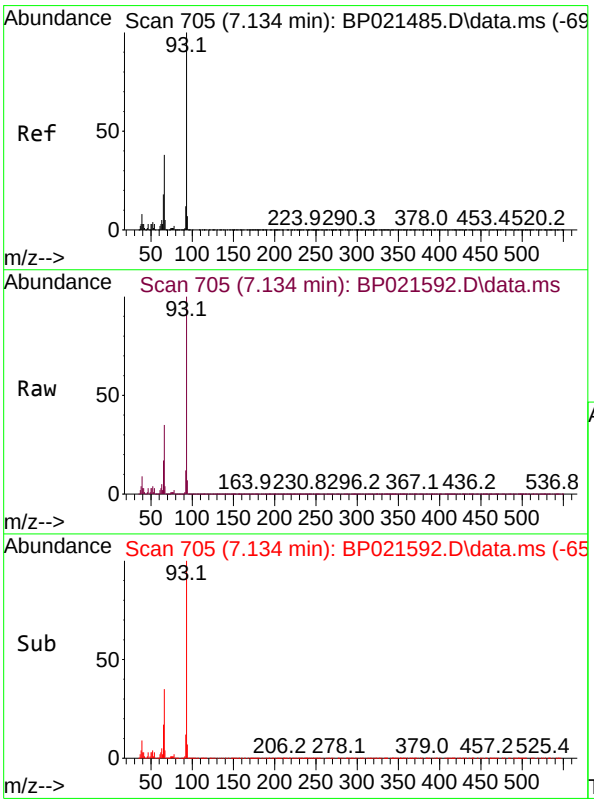
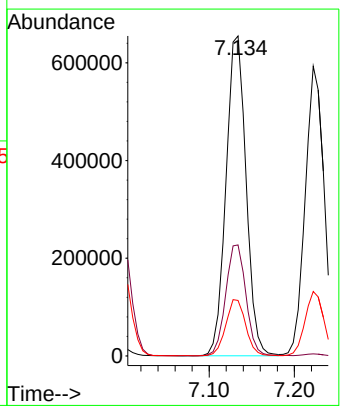


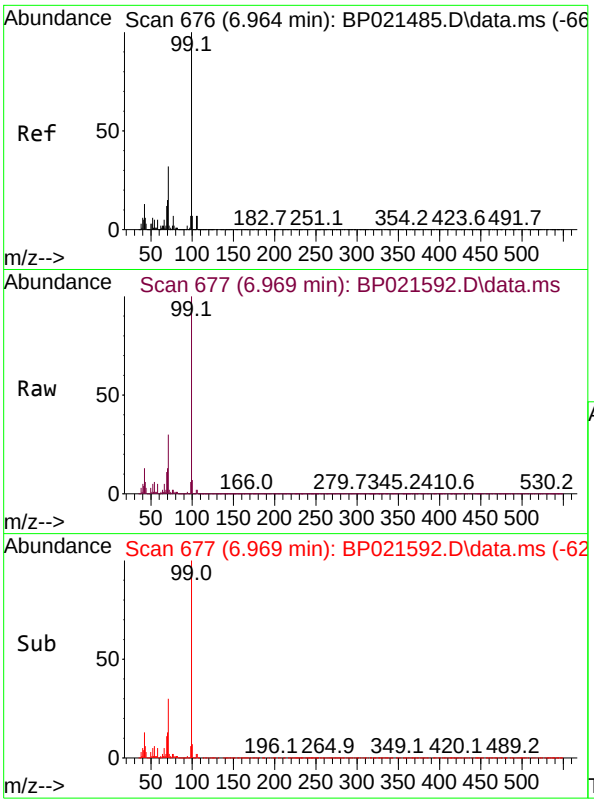


#6
Aniline
Concen: 36.394 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 93 Resp: 1072114

Ion	Ratio	Lower	Upper
93	100		
66	34.7	30.2	45.2
65	17.4	14.7	22.1

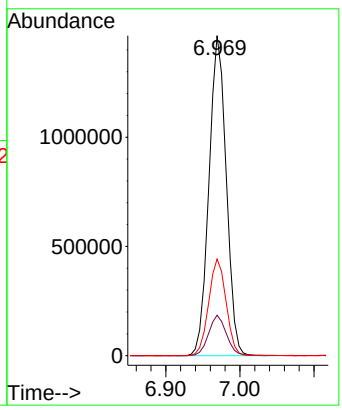




#7
Phenol-d6
Concen: 80.509 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 99 Resp: 237234

Ion	Ratio	Lower	Upper
99	100		
42	12.7	10.2	15.4
71	30.2	25.8	38.8



Instrument :
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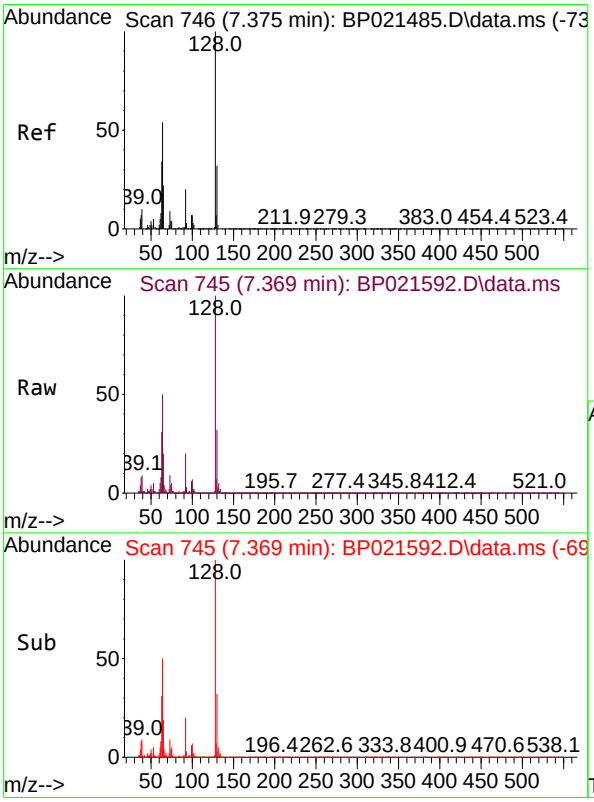
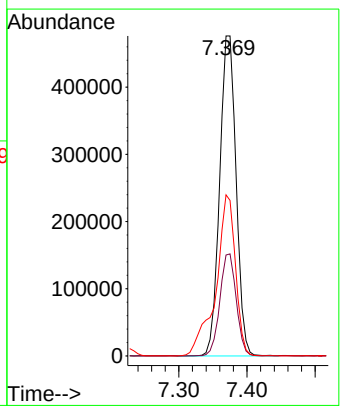
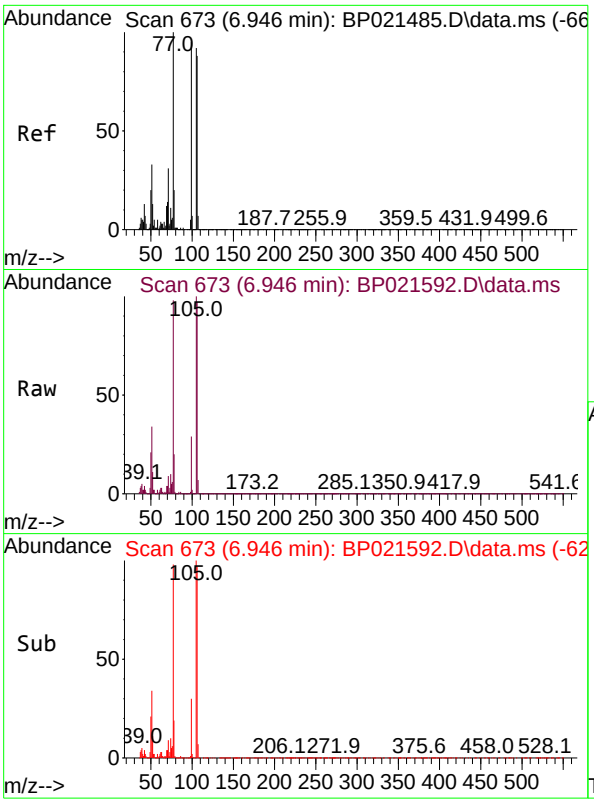


#8
2-Chlorophenol
Concen: 42.802 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:128 Resp: 798991

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	50.3	35.3	75.3

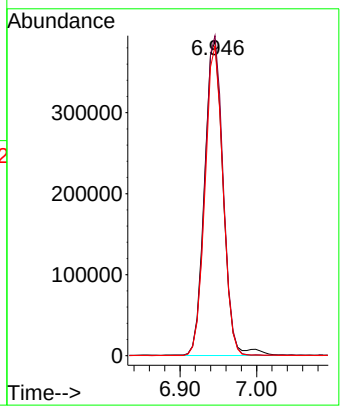




#9
Benzaldehyde
Concen: 34.700 ng m
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 77 Resp: 65468

Ion	Ratio	Lower	Upper
77	100		
105	101.7	72.1	112.1
106	98.4	67.9	107.9



Instrument :
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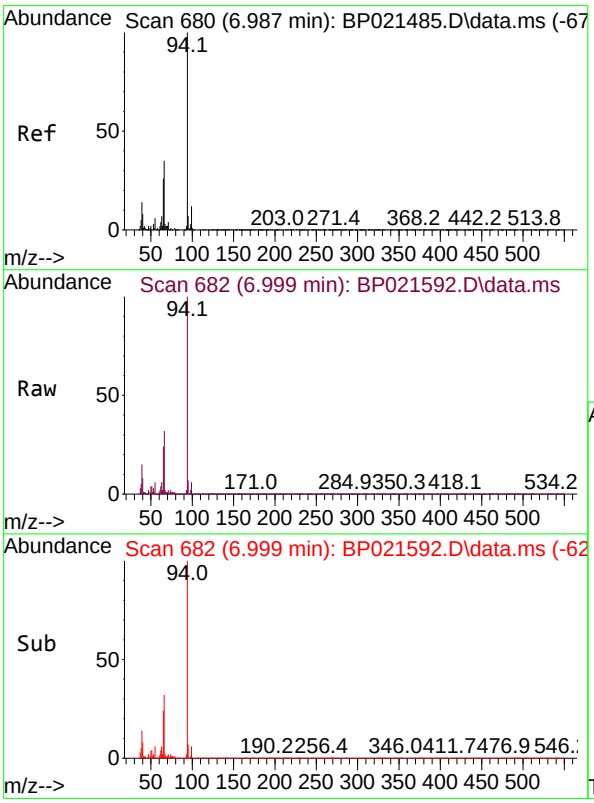
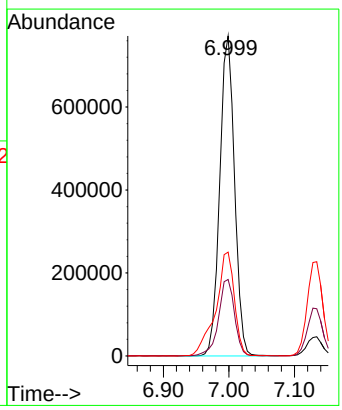
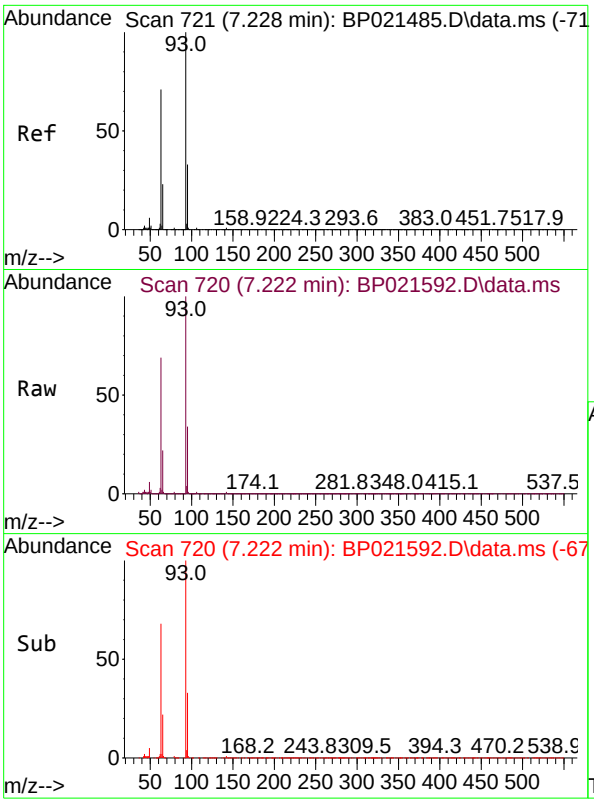


#10
Phenol
Concen: 39.444 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 94 Resp: 1203568

Ion	Ratio	Lower	Upper
94	100		
65	23.9	6.5	46.5
66	32.5	14.7	54.7

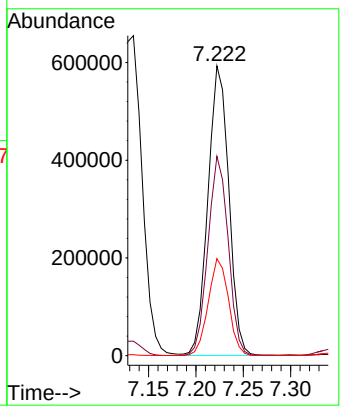




#11
bis(2-Chloroethyl)ether
Concen: 35.234 ng
RT: 7.222 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 93 Resp: 90973

Ion	Ratio	Lower	Upper
93	100		
63	68.8	51.0	91.0
95	33.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
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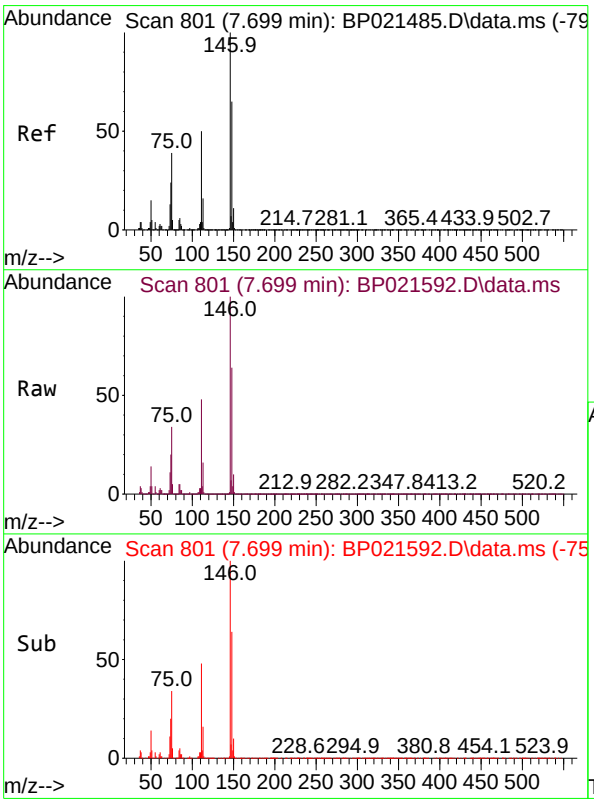
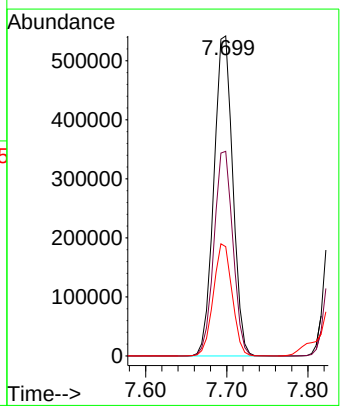
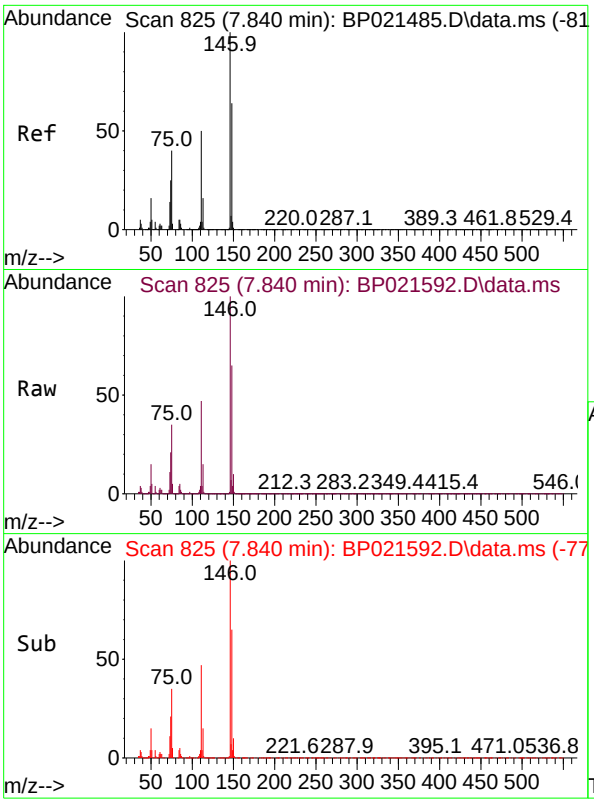


#12
1,3-Dichlorobenzene
Concen: 39.503 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:146 Resp: 875909

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.6
75	34.2	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 39.653 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:146 Resp: 88783

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.5	77.3
111	47.2	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
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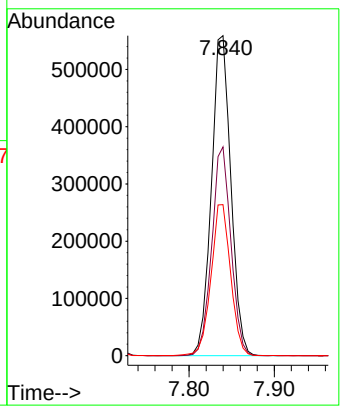
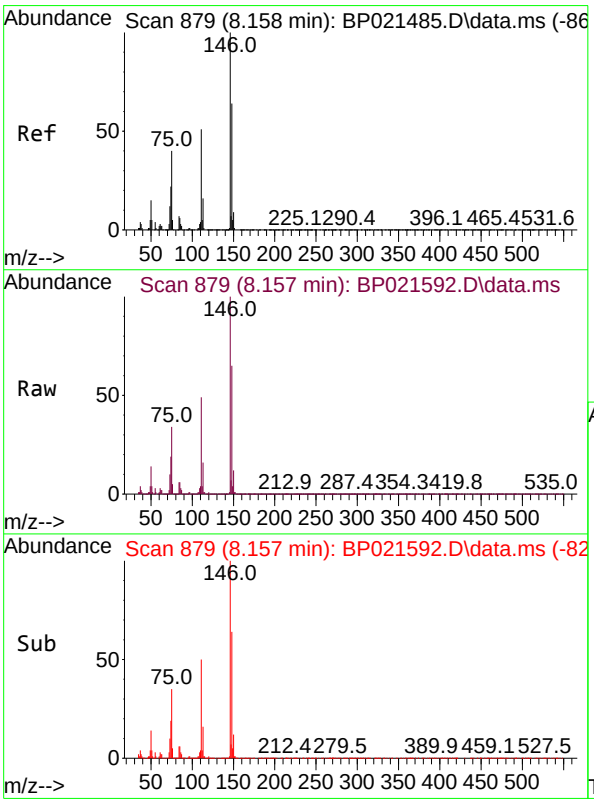
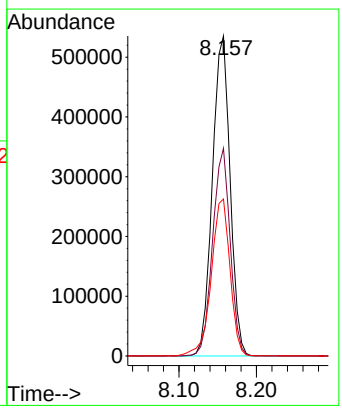


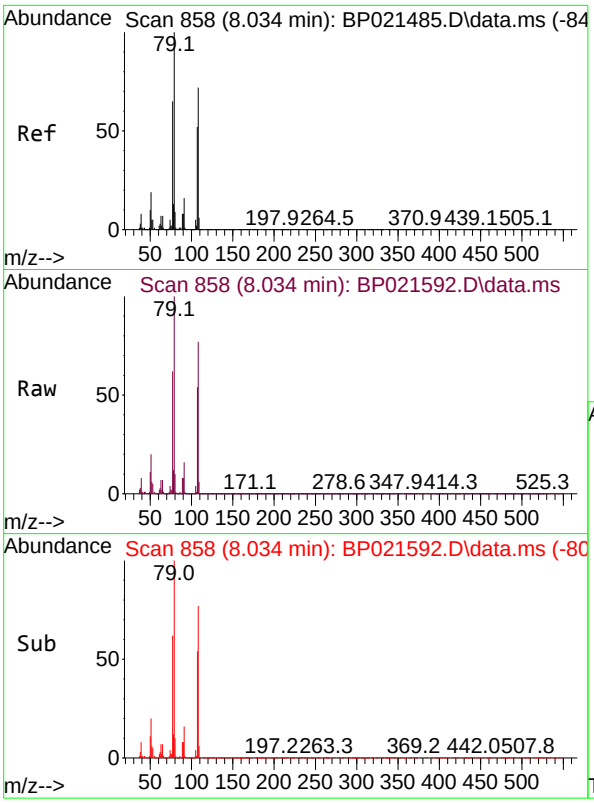


#14
1,2-Dichlorobenzene
Concen: 39.353 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:146 Resp: 849104

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.5	77.3
111	49.1	41.1	61.7





#15
Benzyl Alcohol
Concen: 38.053 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 79 Resp: 80454

Ion	Ratio	Lower	Upper
79	100		
108	77.1	57.9	86.9
77	61.9	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
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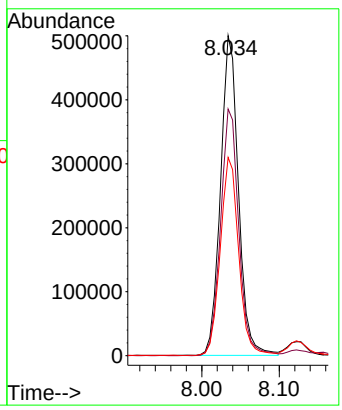
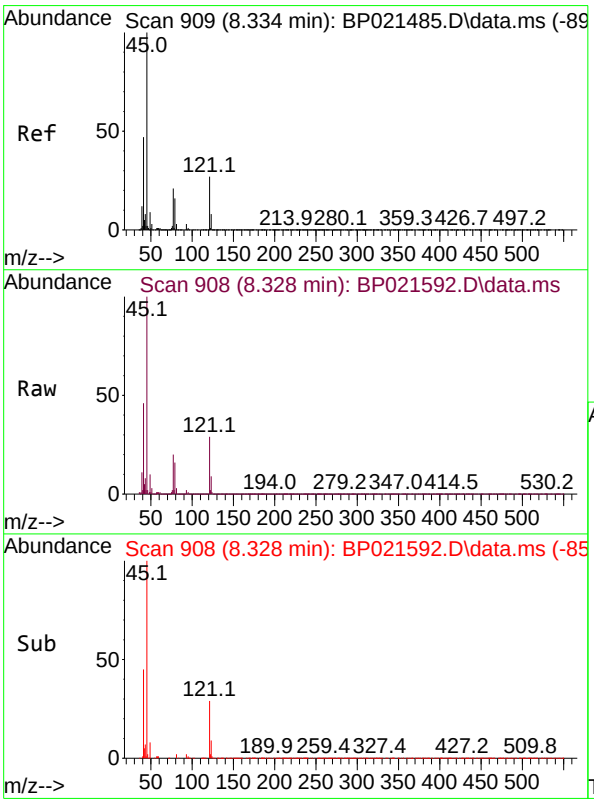
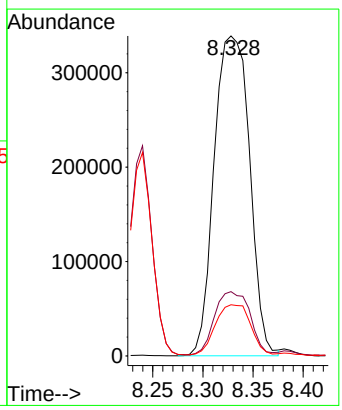


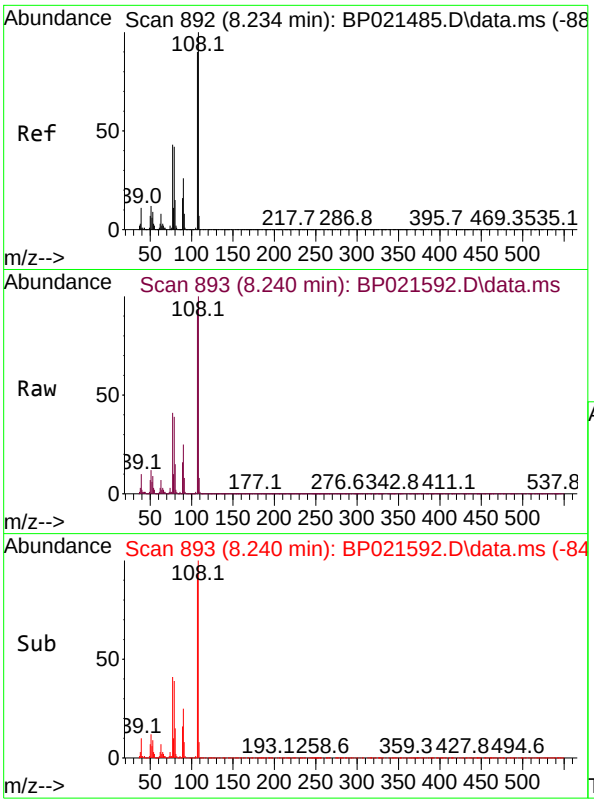


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.001 ng
RT: 8.328 min Scan# 908
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 45 Resp: 832233

Ion	Ratio	Lower	Upper
45	100		
77	20.1	1.9	41.9
79	16.0	0.0	36.6

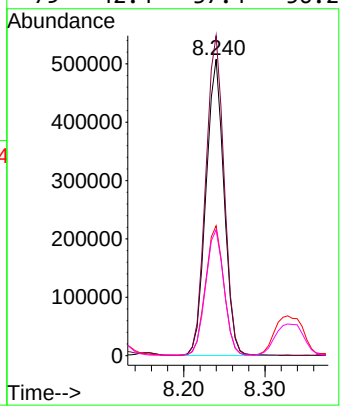




#17
2-Methylphenol
Concen: 40.583 ng
RT: 8.240 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:107 Resp: 78285

Ion	Ratio	Lower	Upper
107	100		
108	107.9	88.8	133.2
77	43.8	38.7	58.1
79	42.4	37.4	56.2



Instrument :
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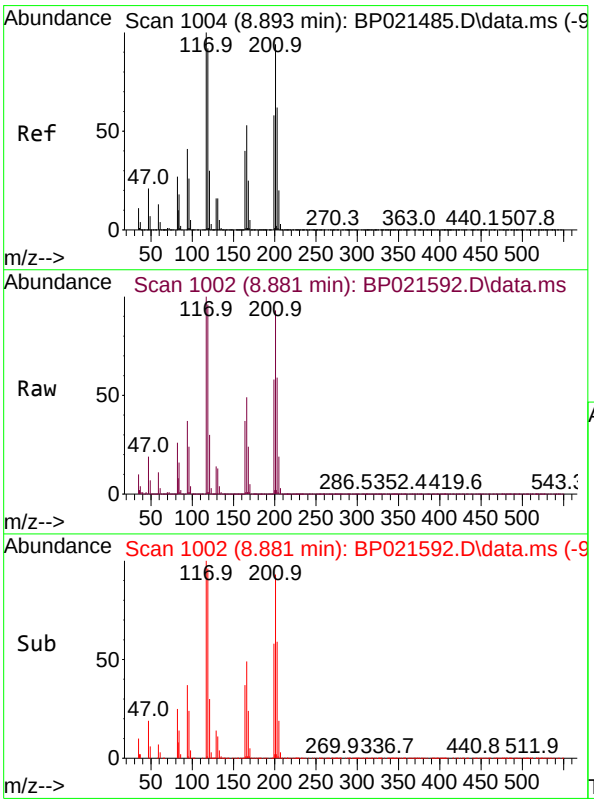
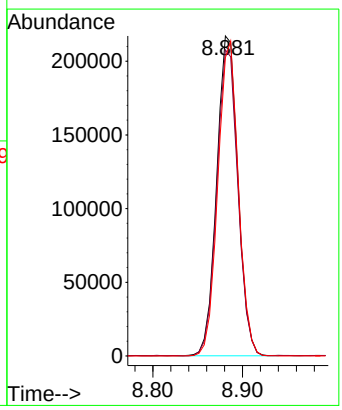
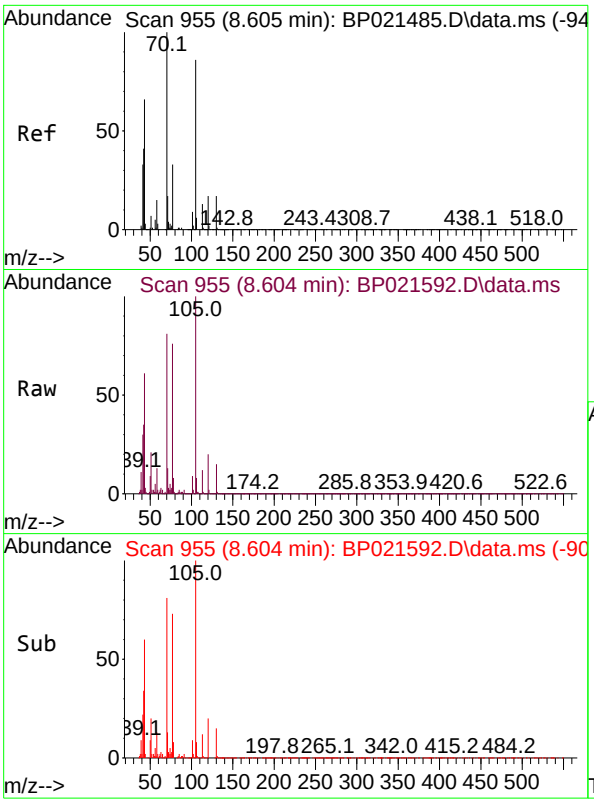


#18
Hexachloroethane
Concen: 39.727 ng
RT: 8.881 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:117 Resp: 356687

Ion	Ratio	Lower	Upper
117	100		
119	95.7	73.9	110.9
201	93.3	74.9	112.3

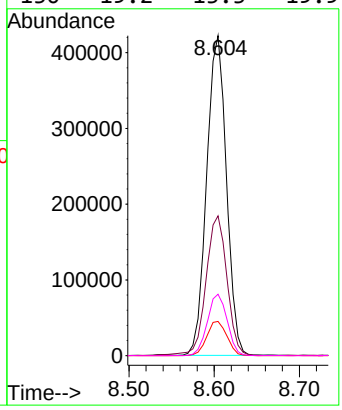




#19
n-Nitroso-di-n-propylamine
Concen: 33.388 ng
RT: 8.604 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 70 Resp: 67961

Ion	Ratio	Lower	Upper
70	100		
42	43.7	33.1	49.7
101	10.7	7.4	11.2
130	19.2	13.3	19.9



Instrument :
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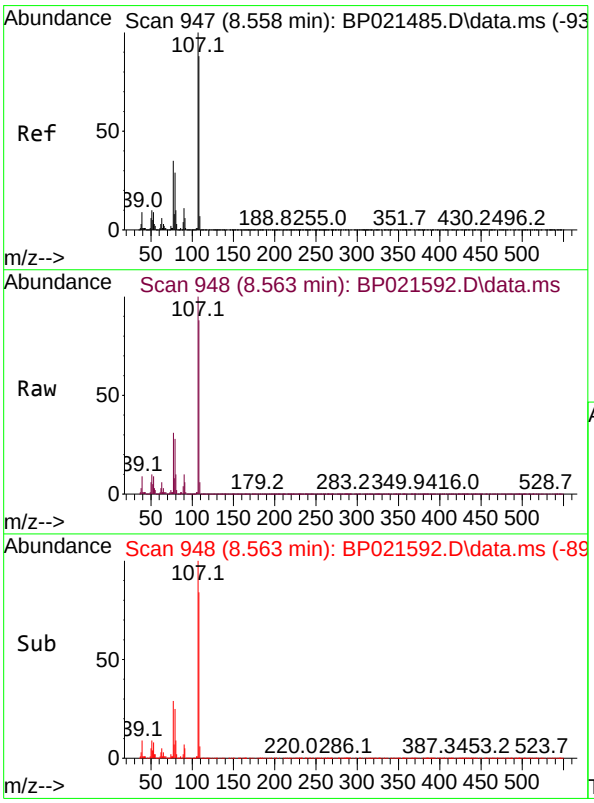
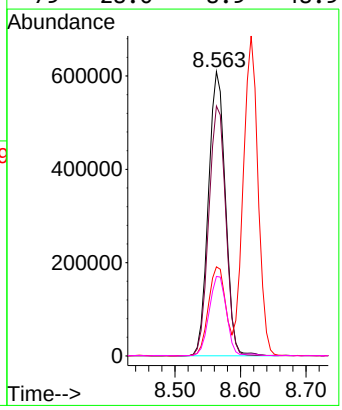
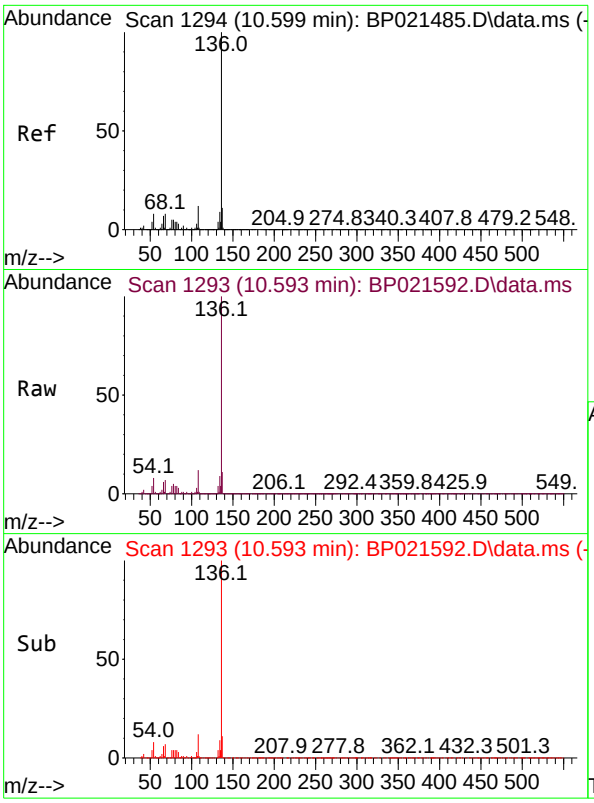


#20
3+4-Methylphenols
Concen: 42.089 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:107 Resp: 1094779

Ion	Ratio	Lower	Upper
107	100		
108	87.9	67.6	107.6
77	31.3	15.0	55.0
79	28.0	8.9	48.9

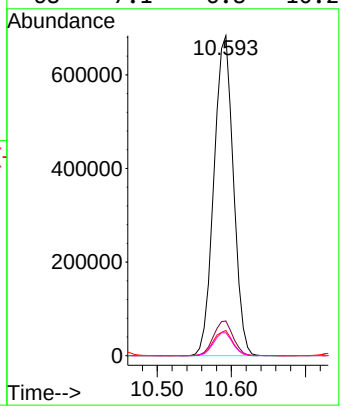




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:136 Resp: 124455

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	6.3	9.5
68	7.1	6.8	10.2



Instrument :
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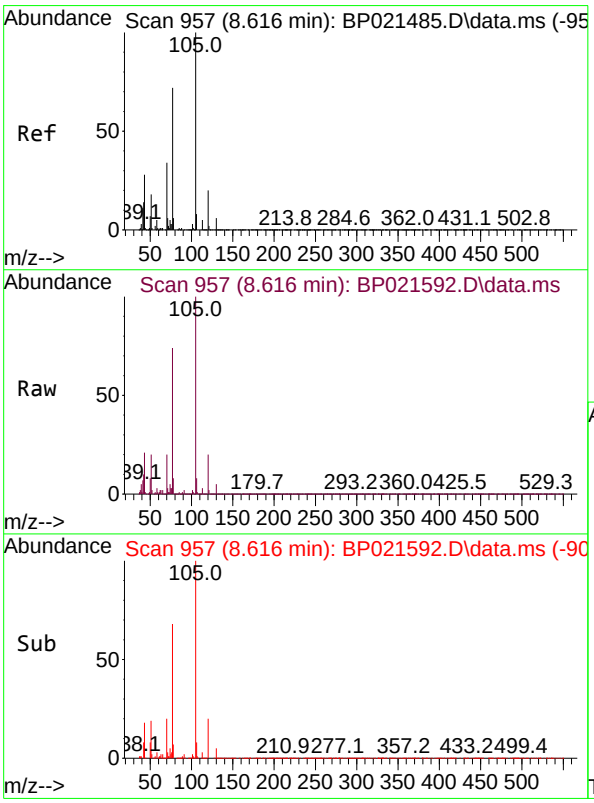
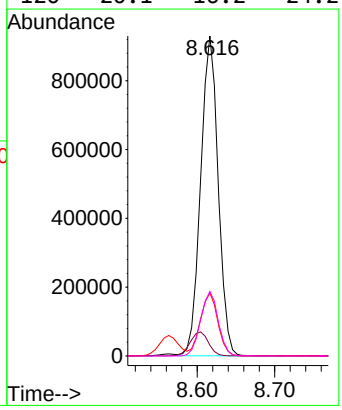
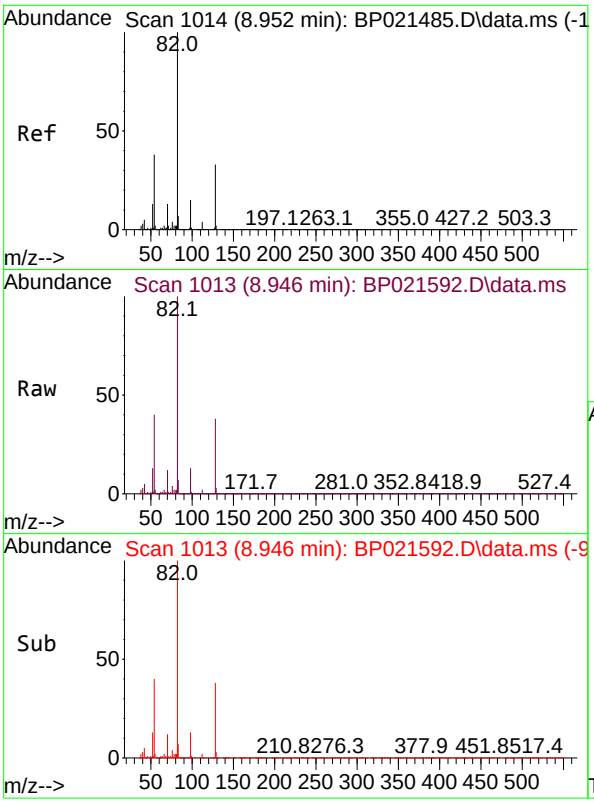


#22
Acetophenone
Concen: 38.102 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:105 Resp: 1456800

Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.6	7.0#
51	19.7	16.3	24.5
120	20.1	16.2	24.2





#23
Nitrobenzene-d5
Concen: 87.029 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 82 Resp: 209845

Ion	Ratio	Lower	Upper
82	100		
128	37.9	26.5	39.7
54	40.3	30.3	45.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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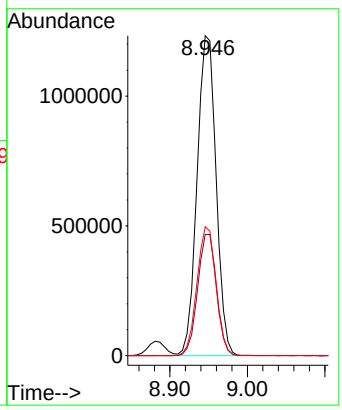
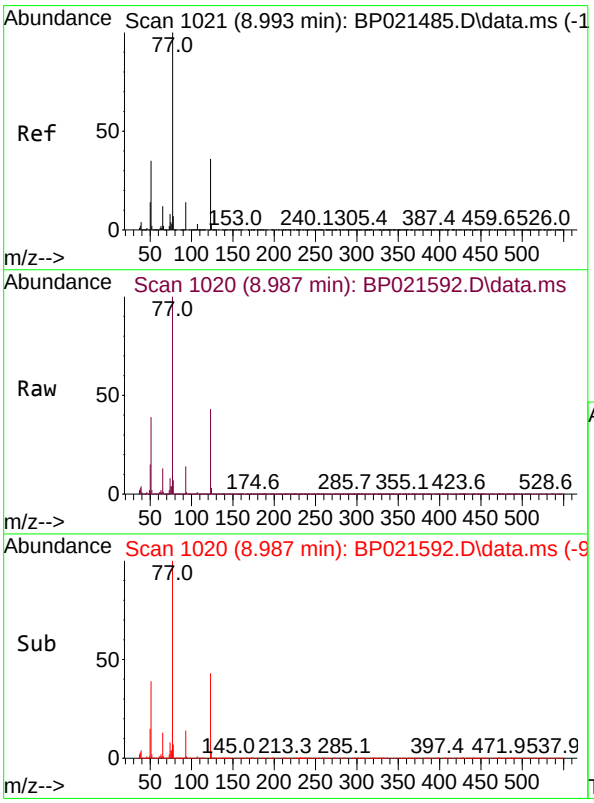
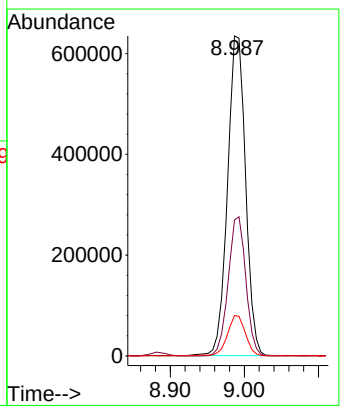


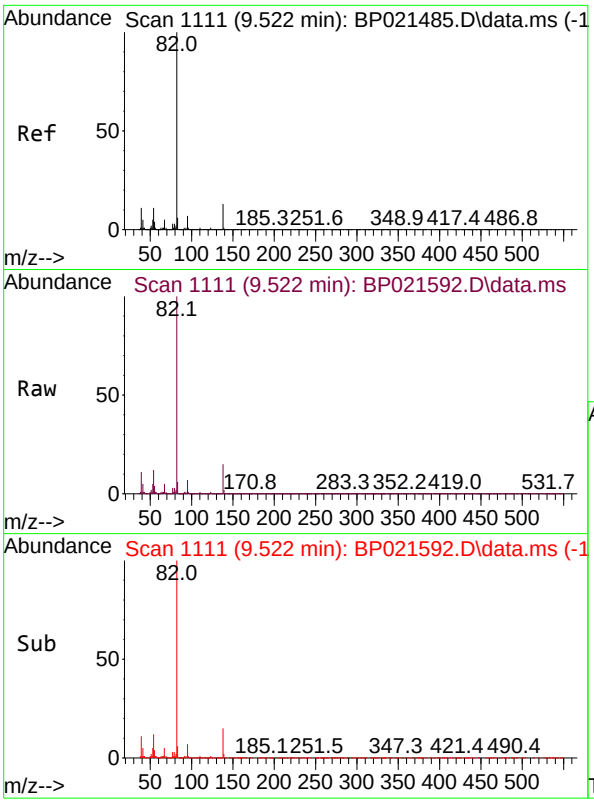


#24
Nitrobenzene
Concen: 40.964 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 77 Resp: 1072762

Ion	Ratio	Lower	Upper
77	100		
123	42.5	29.5	44.3
65	12.7	9.9	14.9





#25
Isophorone
Concen: 35.261 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 82 Resp: 200860

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.4	8.2
138	15.3	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
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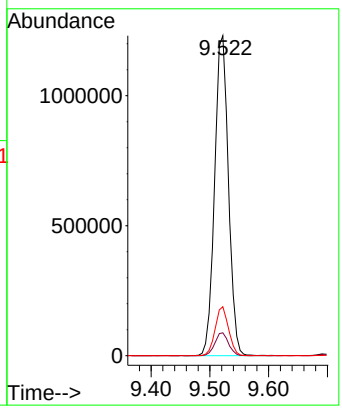
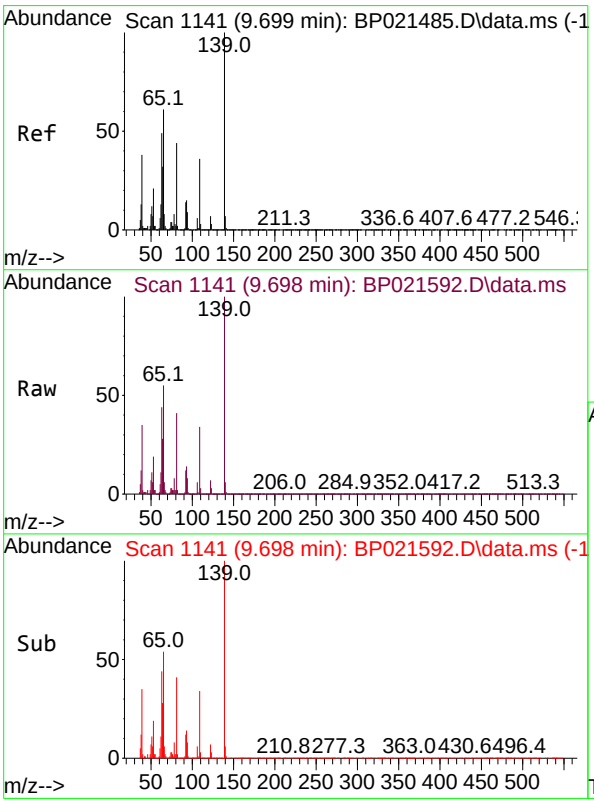
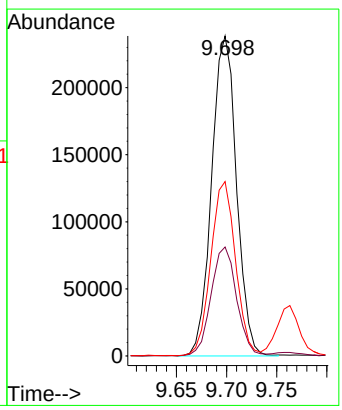


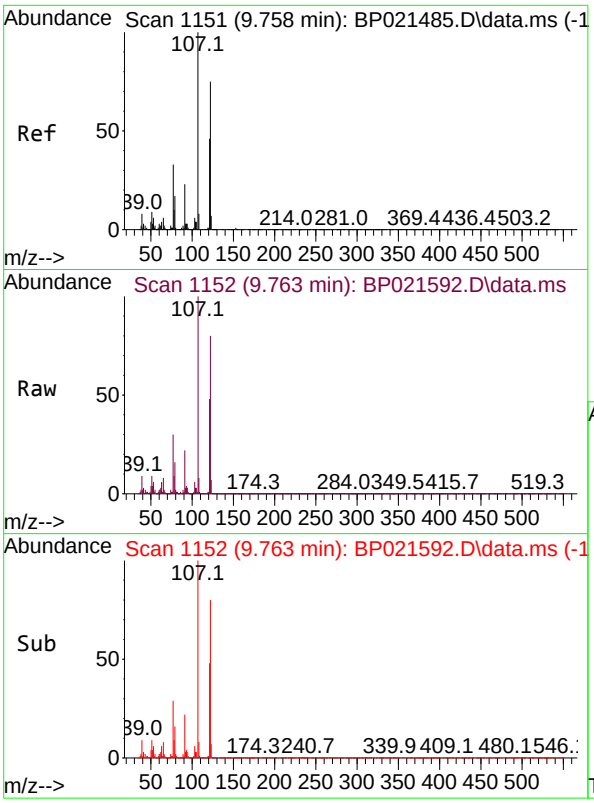


#26
2-Nitrophenol
Concen: 56.798 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.001 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:139 Resp: 409562

Ion	Ratio	Lower	Upper
139	100		
109	34.1	28.9	43.3
65	54.5	49.0	73.6

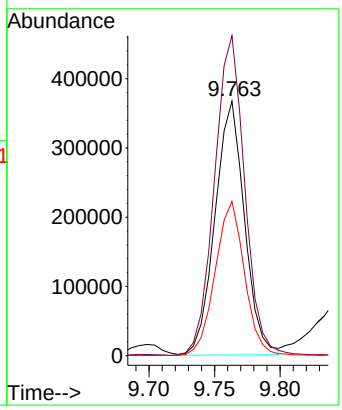




#27
2,4-Dimethylphenol
Concen: 40.790 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:122 Resp: 57342

Ion	Ratio	Lower	Upper
122	100		
107	125.7	106.2	159.4
121	60.7	48.8	73.2



Instrument :
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ClientSampleId :
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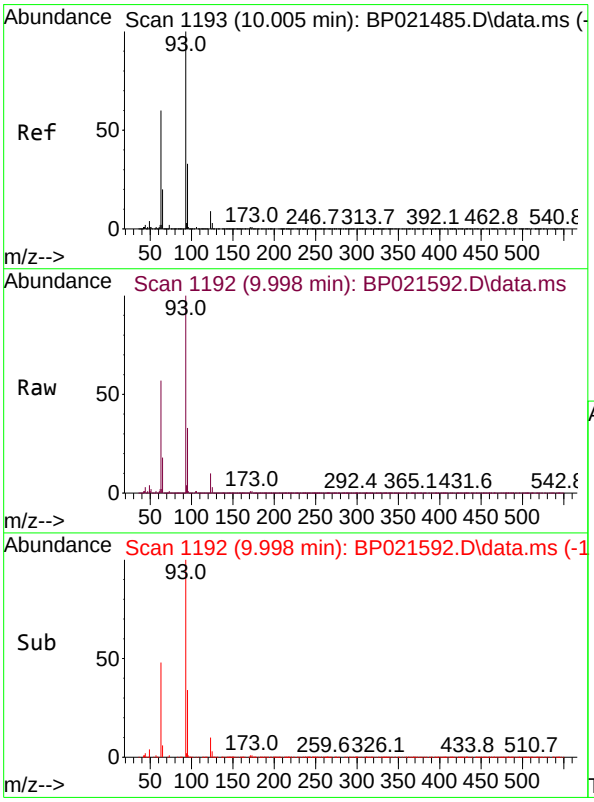
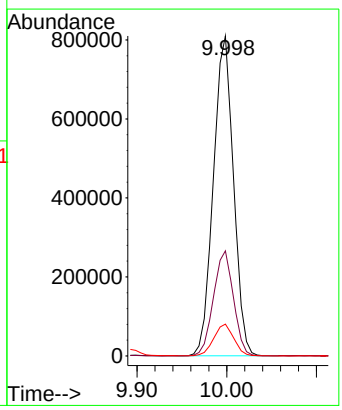
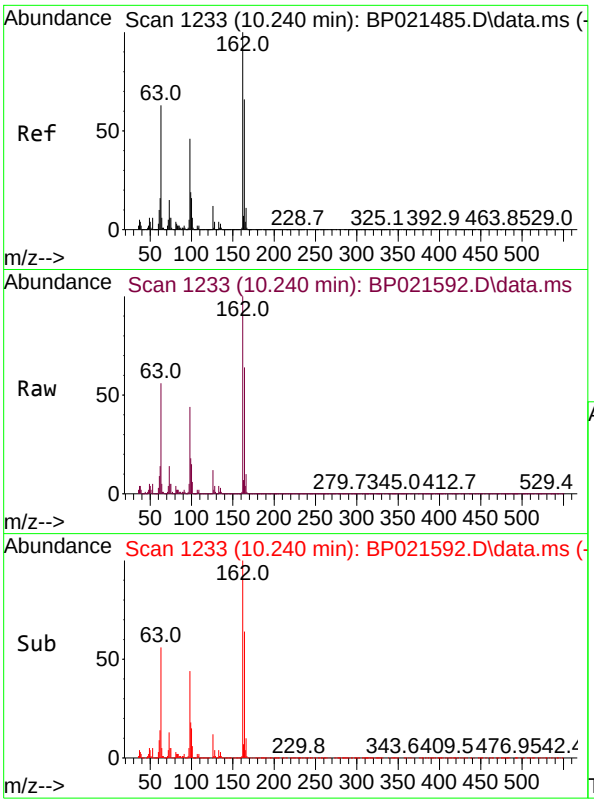


#28
bis(2-Chloroethoxy)methane
Concen: 36.190 ng
RT: 9.998 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 93 Resp: 1258385

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	10.0	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 45.336 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:162 Resp: 75303

Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.9	85.9
98	43.6	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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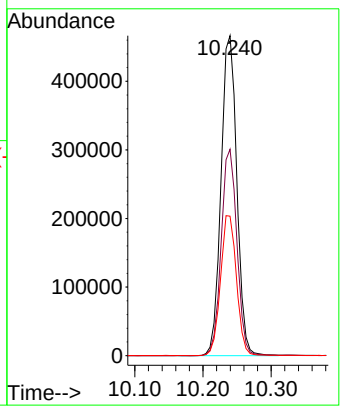
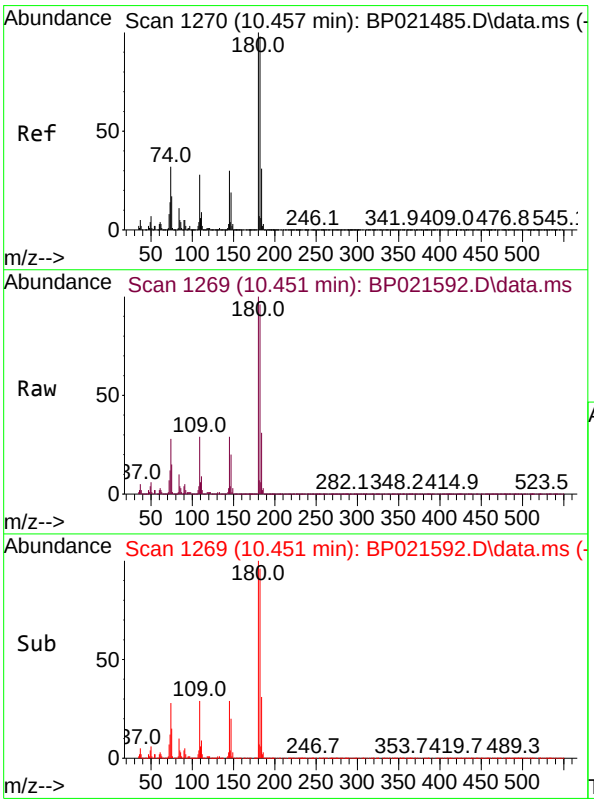
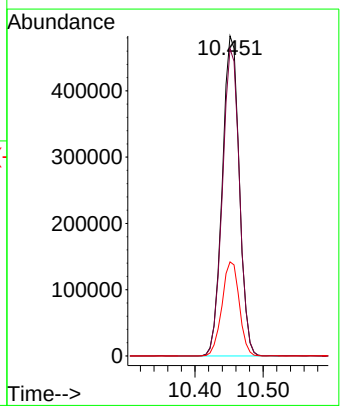


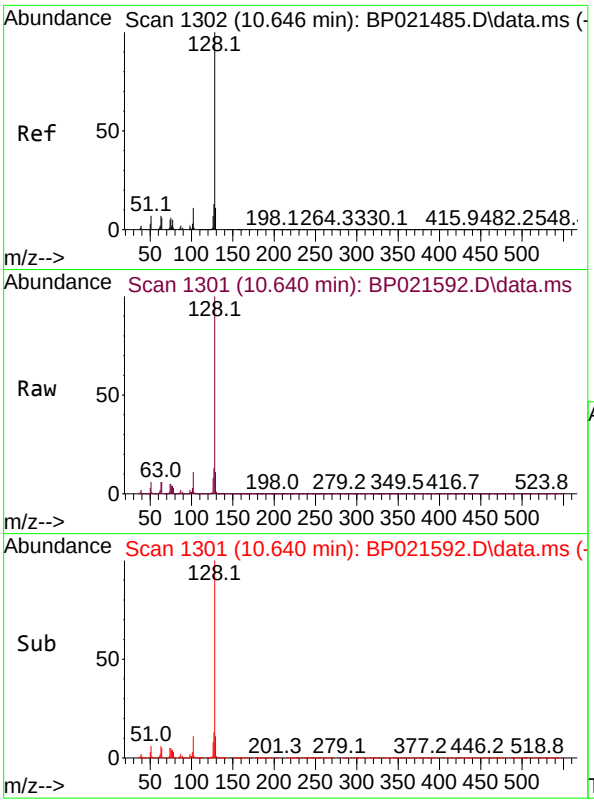


#30
1,2,4-Trichlorobenzene
Concen: 39.317 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:180 Resp: 837253

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.3	117.5
145	29.4	24.0	36.0





#31
Naphthalene
Concen: 39.970 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:128 Resp: 259866

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.2	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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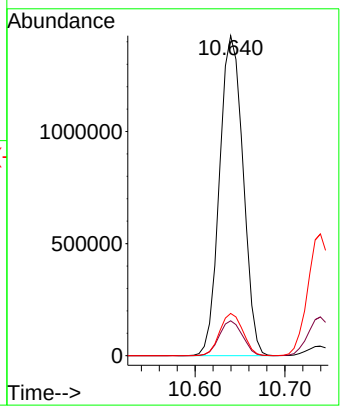
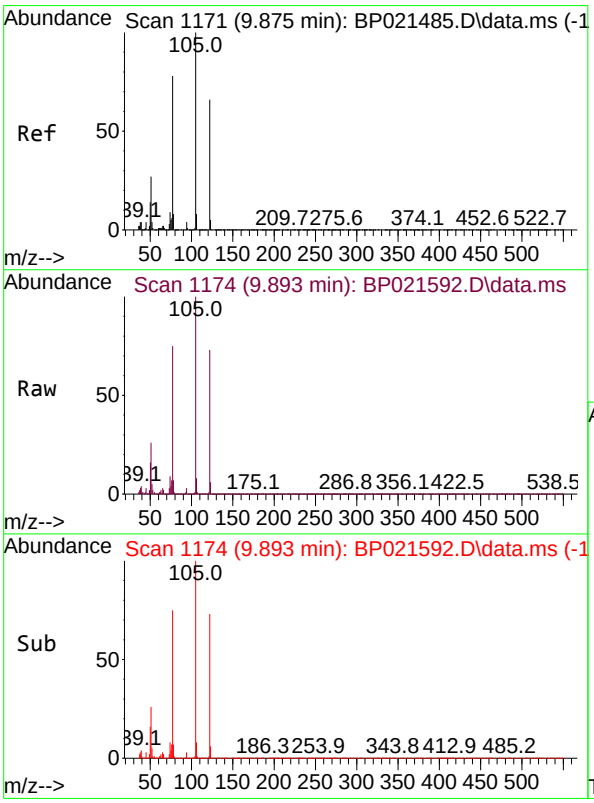
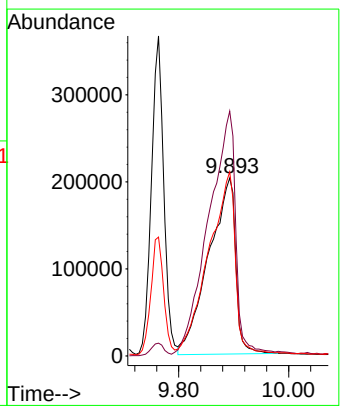


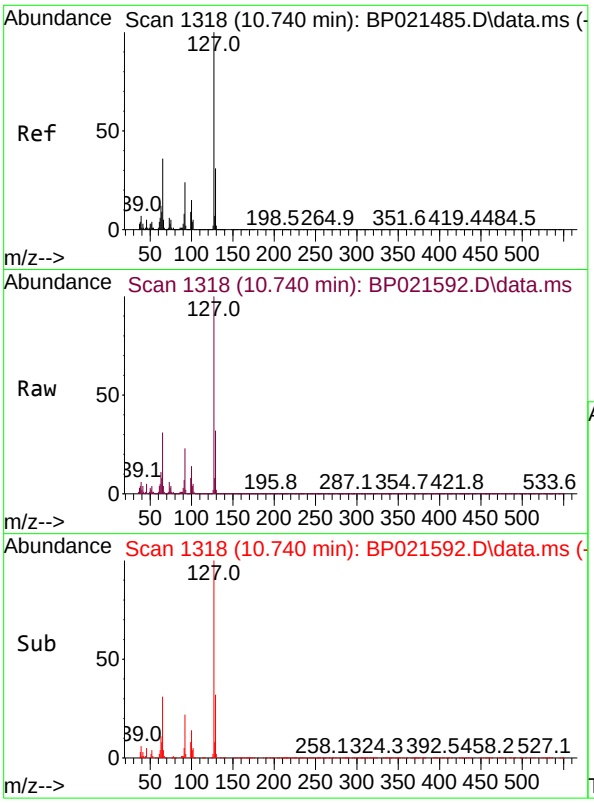


#32
Benzoic acid
Concen: 64.978 ng
RT: 9.893 min Scan# 1174
Delta R.T. 0.018 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:122 Resp: 685886

Ion	Ratio	Lower	Upper
122	100		
105	137.6	124.6	164.6
77	103.5	96.2	136.2

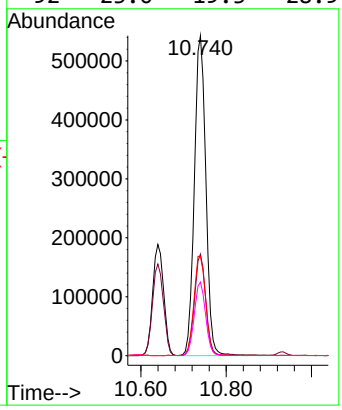




#33
4-Chloroaniline
Concen: 41.616 ng
RT: 10.740 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:127 Resp: 101635

Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.5	36.7
65	31.0	28.9	43.3
92	23.0	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
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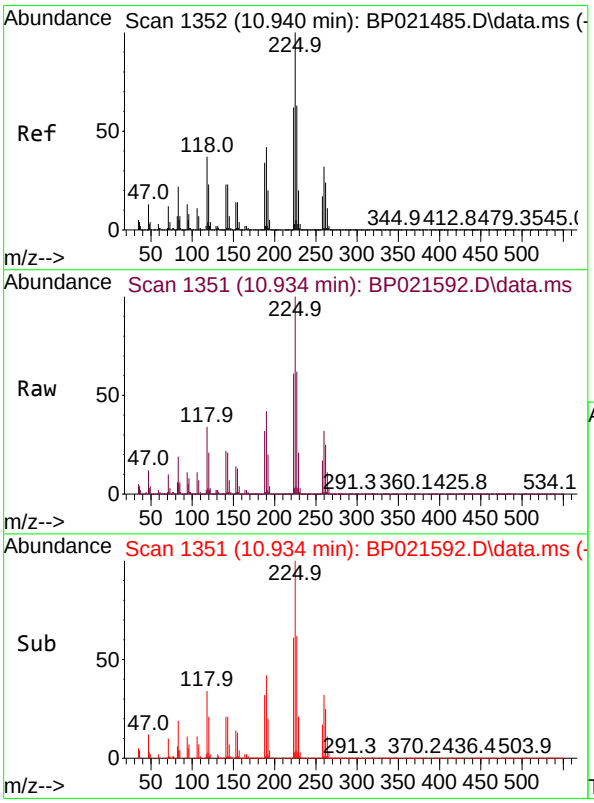
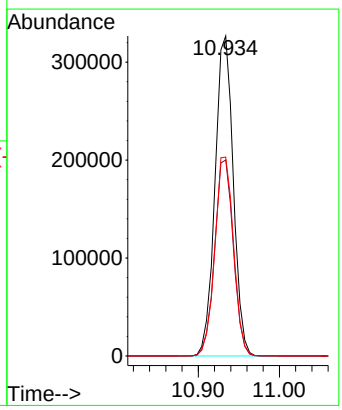
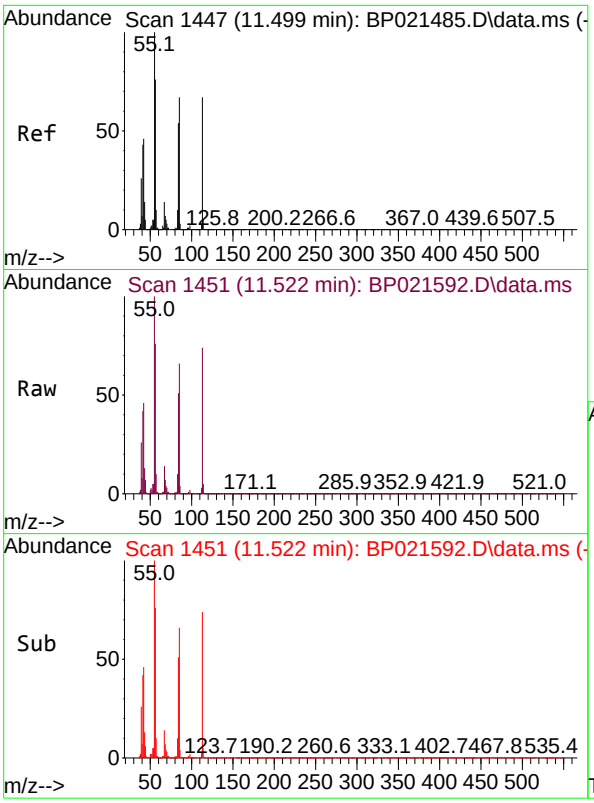


#34
Hexachlorobutadiene
Concen: 38.130 ng
RT: 10.934 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:225 Resp: 511254

Ion	Ratio	Lower	Upper
225	100		
223	61.2	49.6	74.4
227	62.1	50.1	75.1





#35
Caprolactam
Concen: 48.925 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 33825

Ion	Ratio	Lower	Upper
113	100		
55	135.5	130.6	170.6
56	103.3	94.6	134.6

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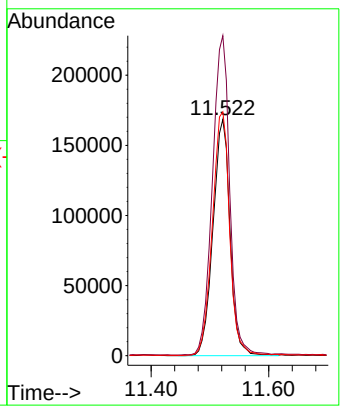
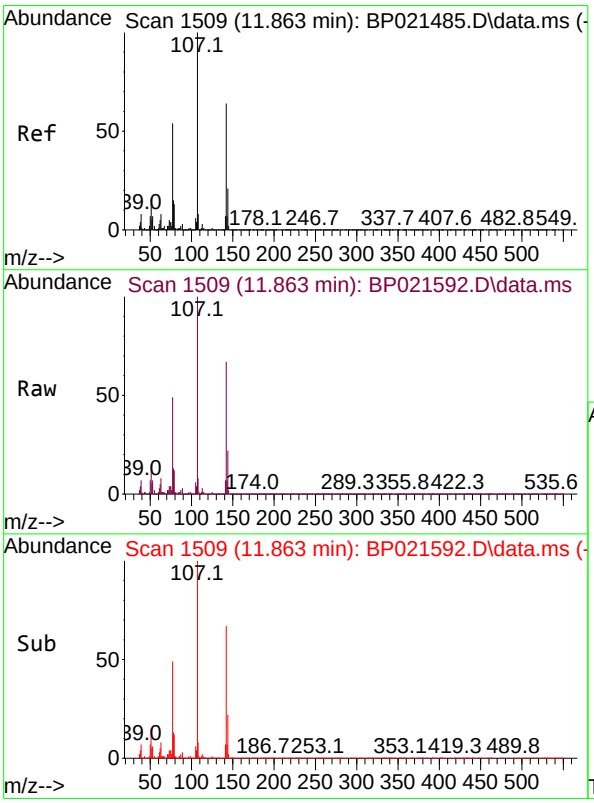
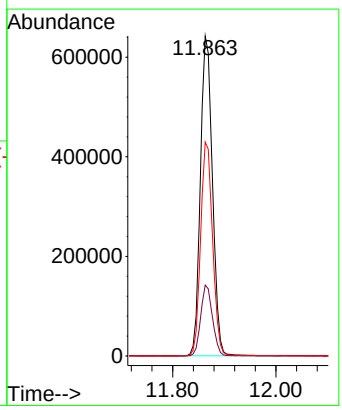


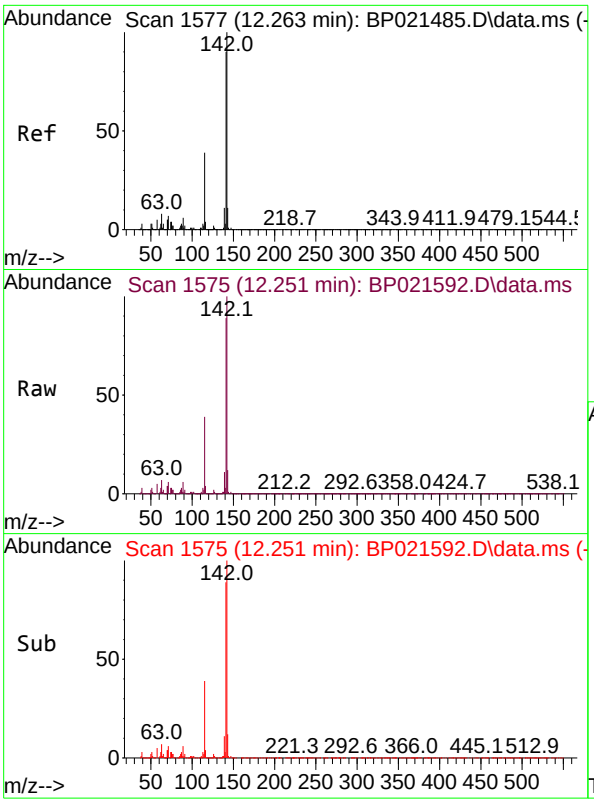


#36
4-Chloro-3-methylphenol
Concen: 45.052 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:107 Resp: 1038019

Ion	Ratio	Lower	Upper
107	100		
144	22.2	16.6	24.8
142	66.9	51.0	76.4

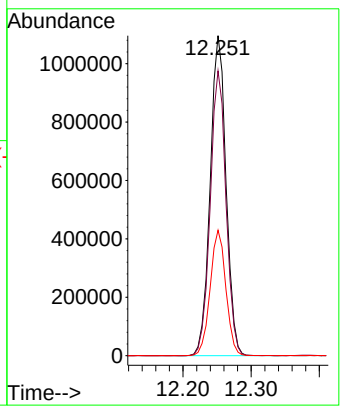




#37
2-Methylnaphthalene
Concen: 39.970 ng
RT: 12.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:142 Resp: 177361

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.7	107.5
115	39.2	31.4	47.2



Instrument :
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ClientSampleId :
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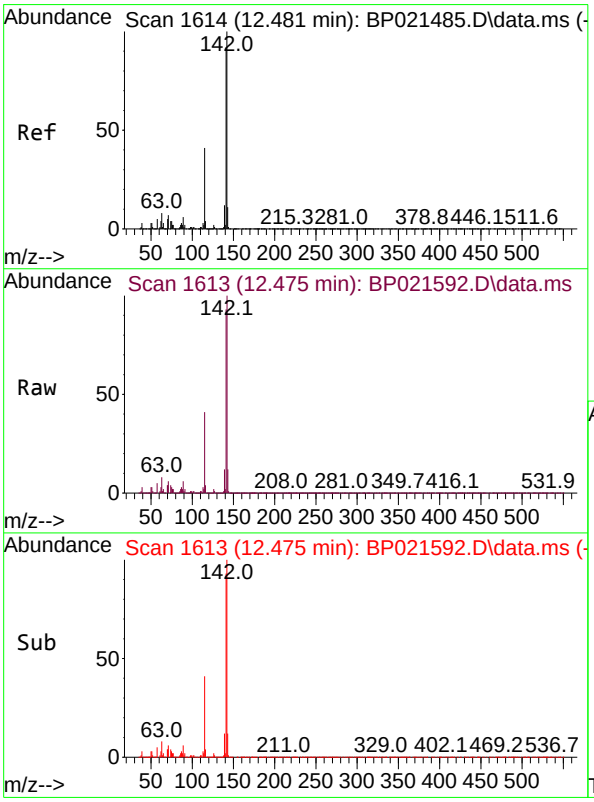
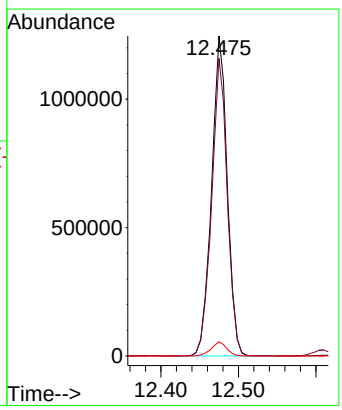
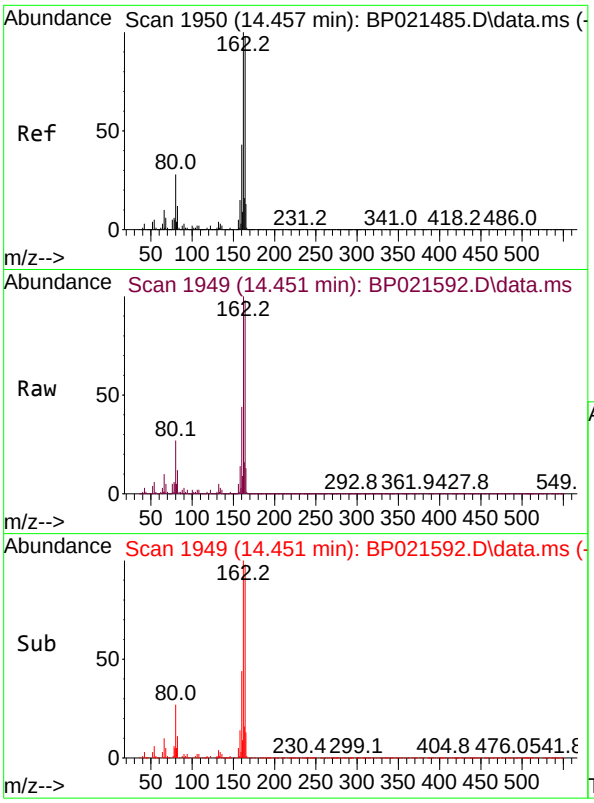


#38
1-Methylnaphthalene
Concen: 39.995 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:142 Resp: 1750319

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.5	110.3
116	4.5	3.4	5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 86313

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.5	122.3
160	45.1	35.2	52.8

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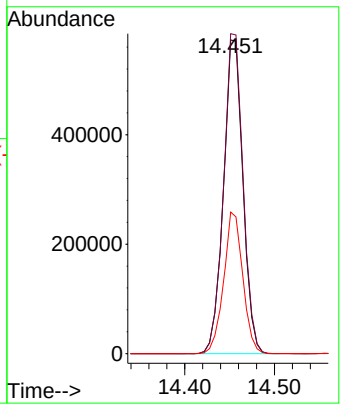
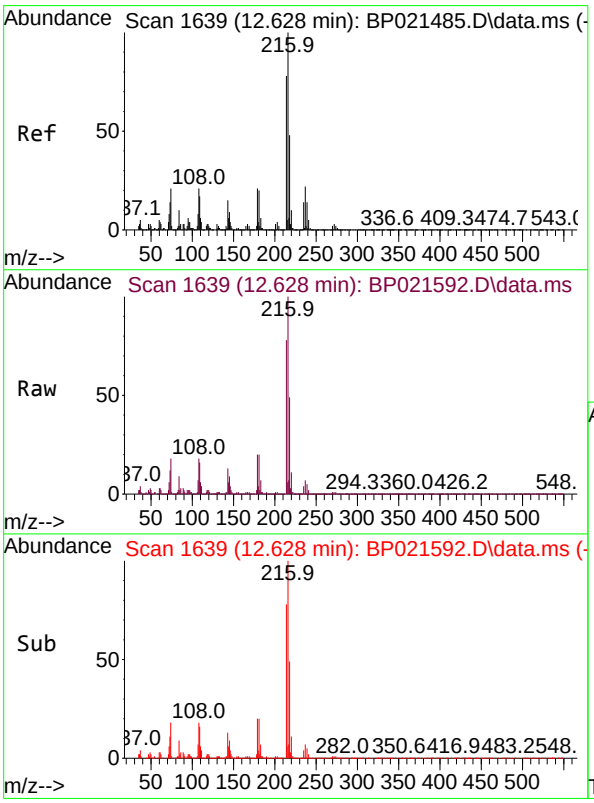
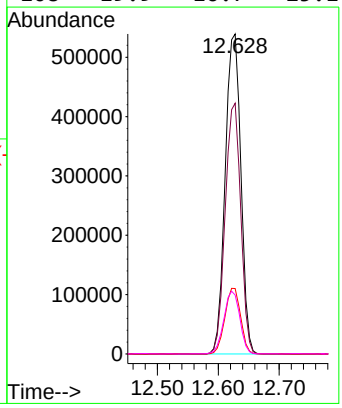


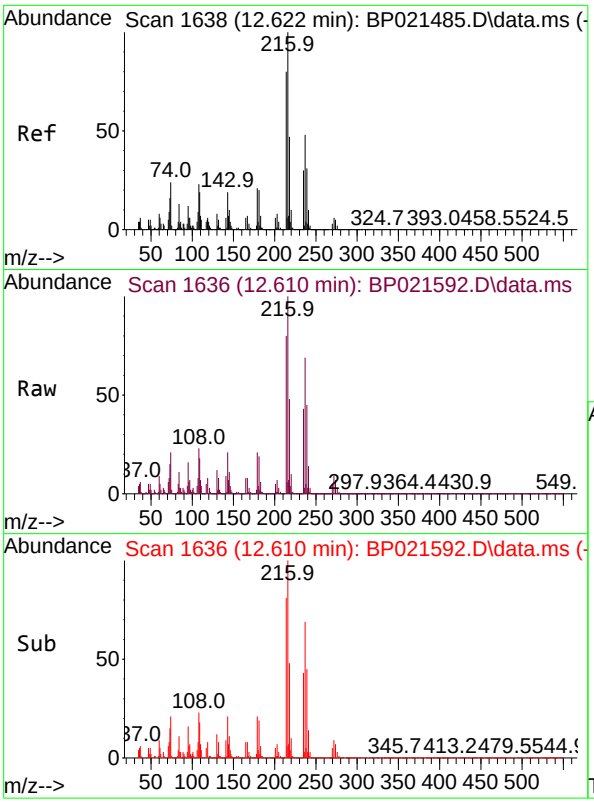


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.094 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:216 Resp: 963399

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.5	93.7
179	20.6	16.4	24.6
108	19.9	16.7	25.1

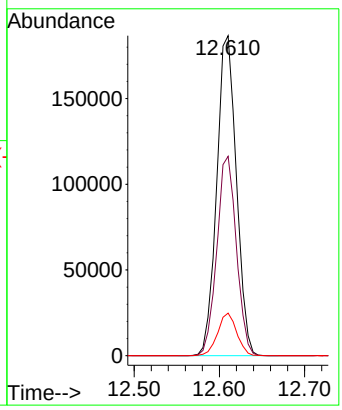




#41
Hexachlorocyclopentadiene
Concen: 37.390 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:237 Resp: 29969

Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.9	83.9
272	13.3	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
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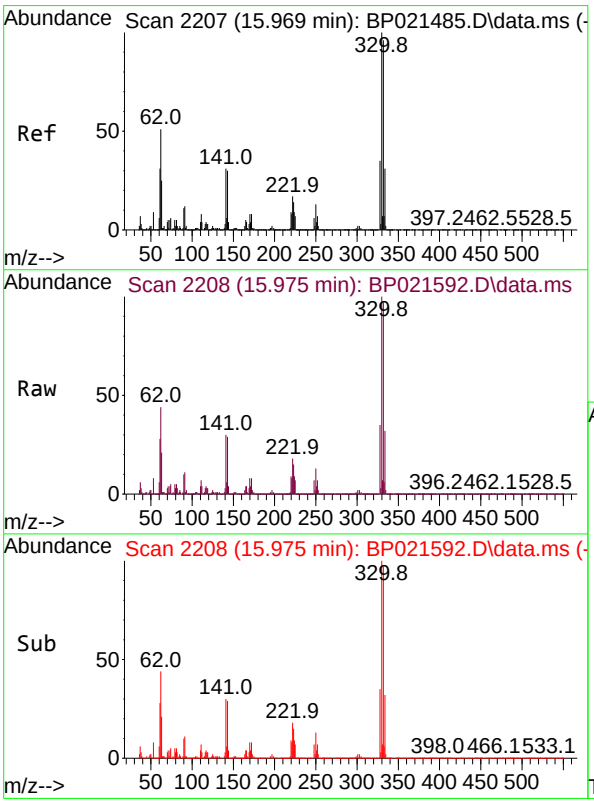
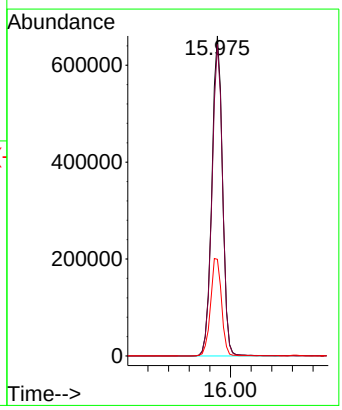
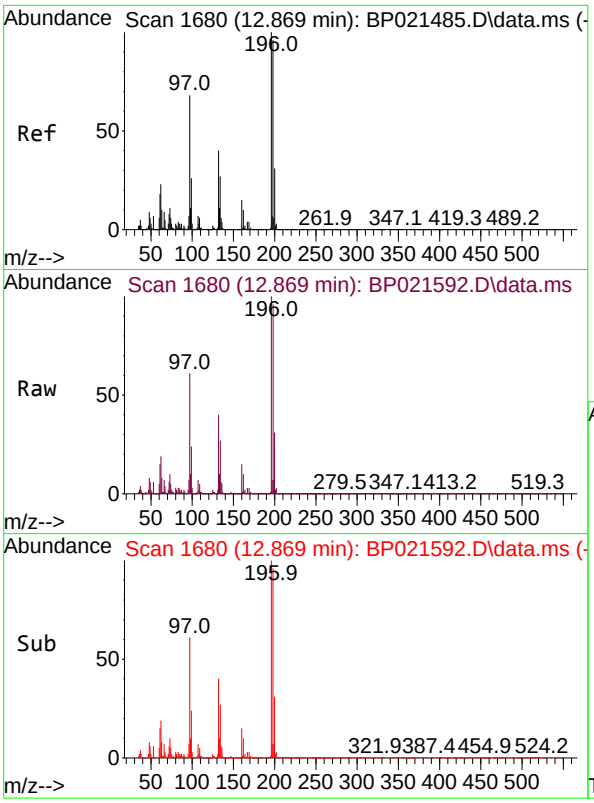


#42
2,4,6-Tribromophenol
Concen: 98.133 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:330 Resp: 942695

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	31.3	24.5	36.7

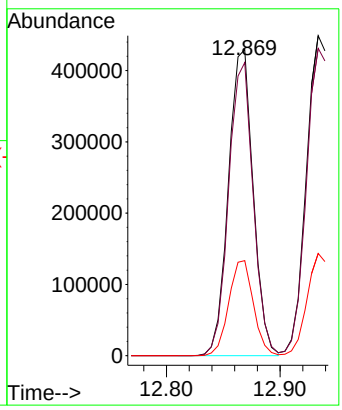




#43
2,4,6-Trichlorophenol
Concen: 46.343 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:196 Resp: 65103

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	114.8
200	31.0	24.5	36.7



Instrument :
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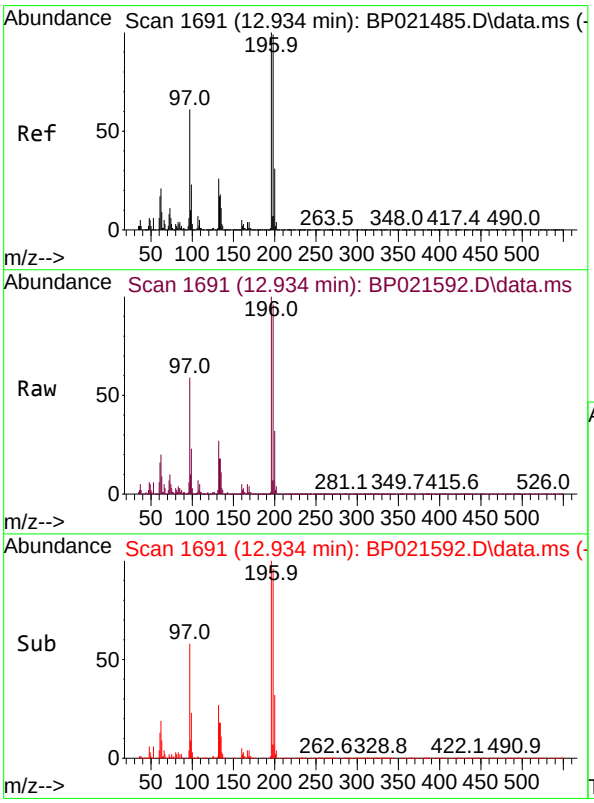
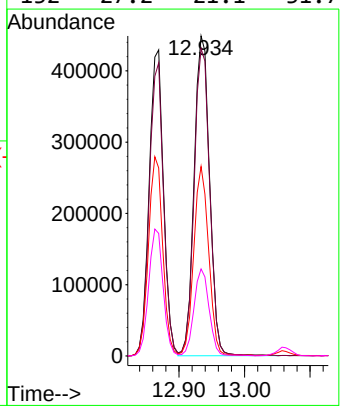
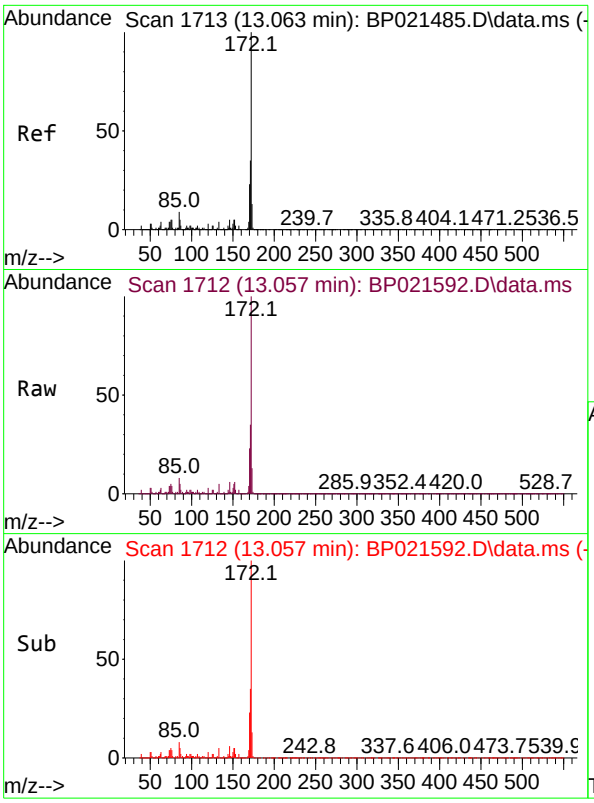


#44
2,4,5-Trichlorophenol
Concen: 47.290 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:196 Resp: 738109

Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.9	118.3
97	59.2	49.4	74.0
132	27.2	21.1	31.7

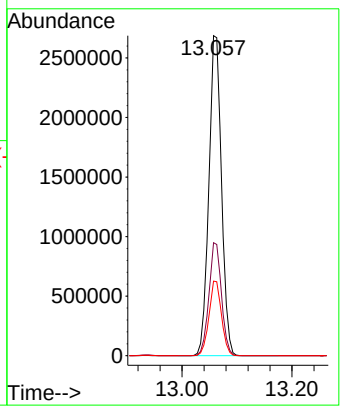




#45
2-Fluorobiphenyl
Concen: 75.582 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:172 Resp: 427461

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.3	18.4	27.6



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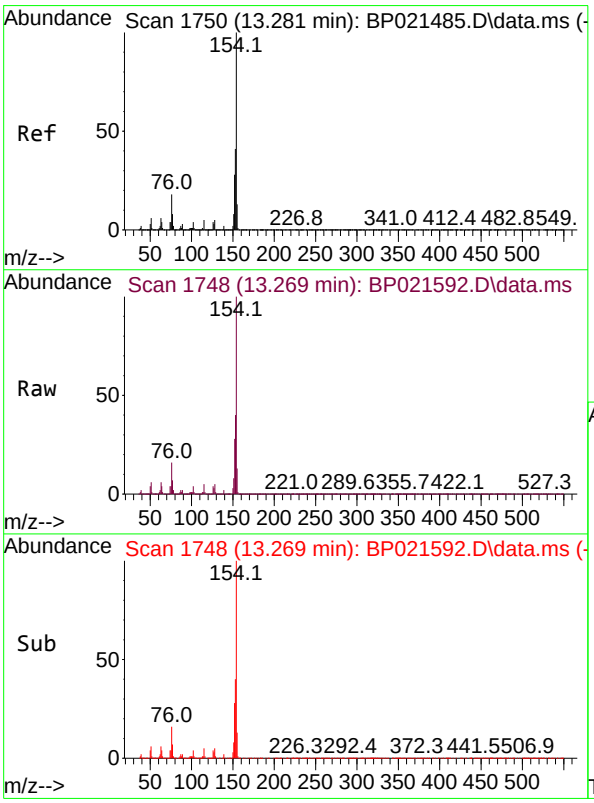
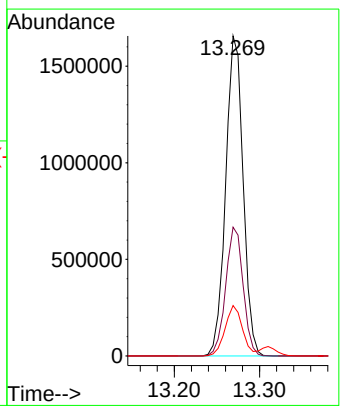
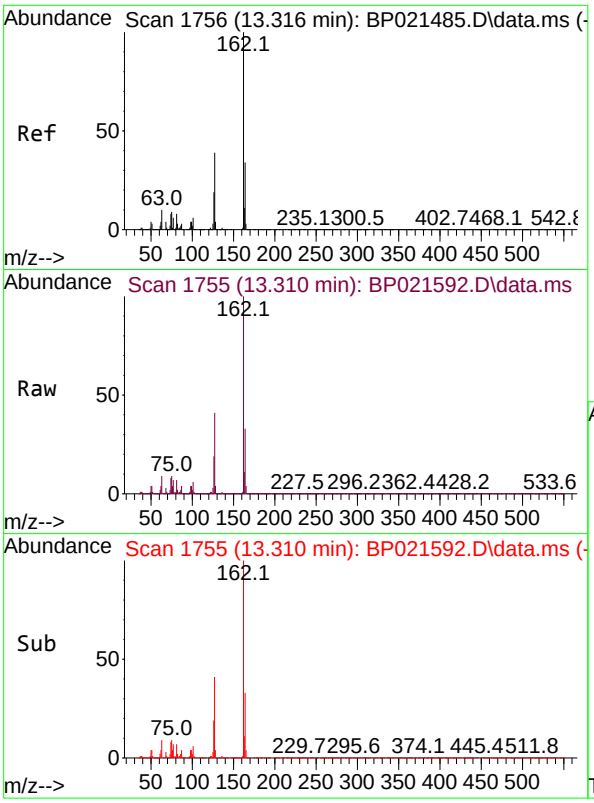


#46
1,1'-Biphenyl
Concen: 38.444 ng
RT: 13.269 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:154 Resp: 2347656

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	15.8	0.0	37.7

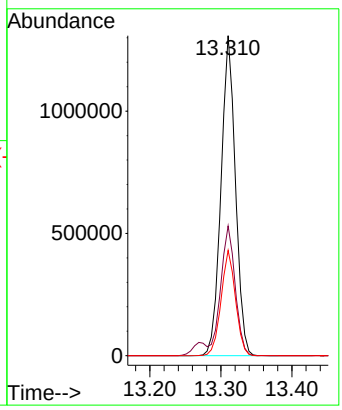




#47
2-Chloronaphthalene
Concen: 38.735 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:162 Resp: 184160

Ion	Ratio	Lower	Upper
162	100		
127	40.6	31.9	47.9
164	32.9	26.8	40.2



Instrument :
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ClientSampleId :
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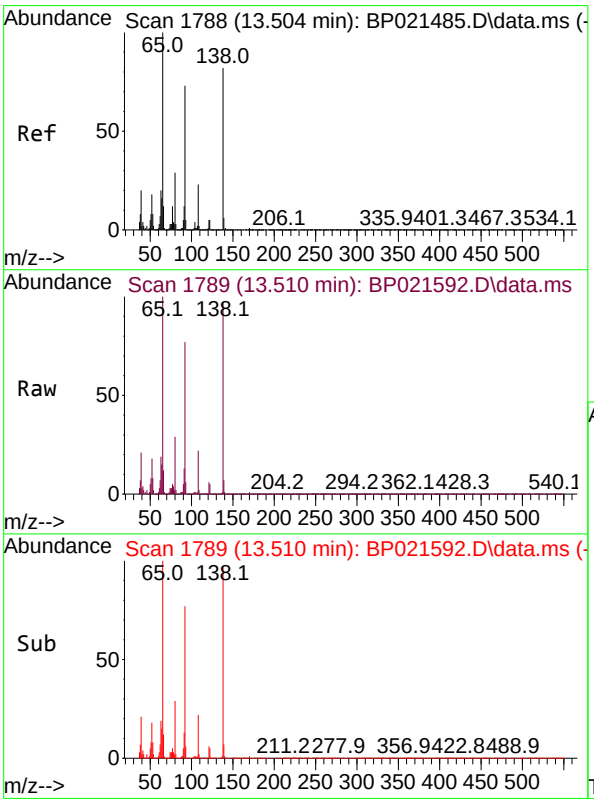
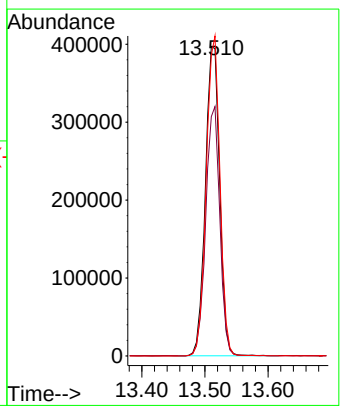
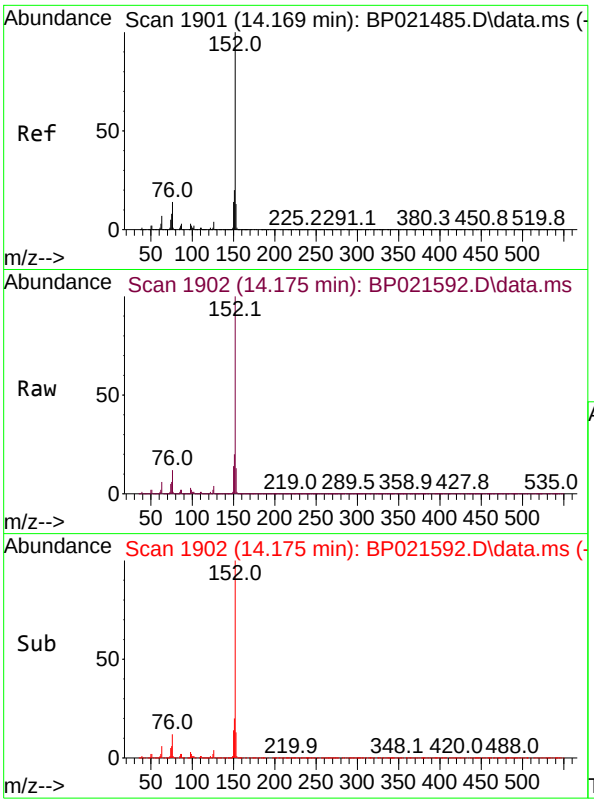


#48
2-Nitroaniline
Concen: 46.878 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 65 Resp: 622860

Ion	Ratio	Lower	Upper
65	100		
92	77.3	58.1	87.1
138	97.1	65.5	98.3





#49
Acenaphthylene
Concen: 39.740 ng
RT: 14.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 277745

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.2	10.6	16.0

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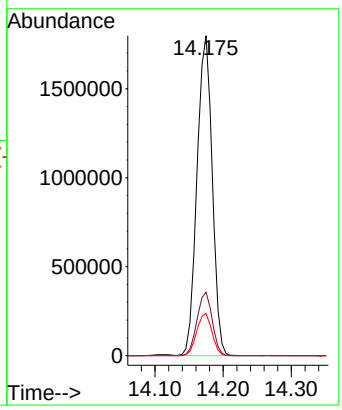
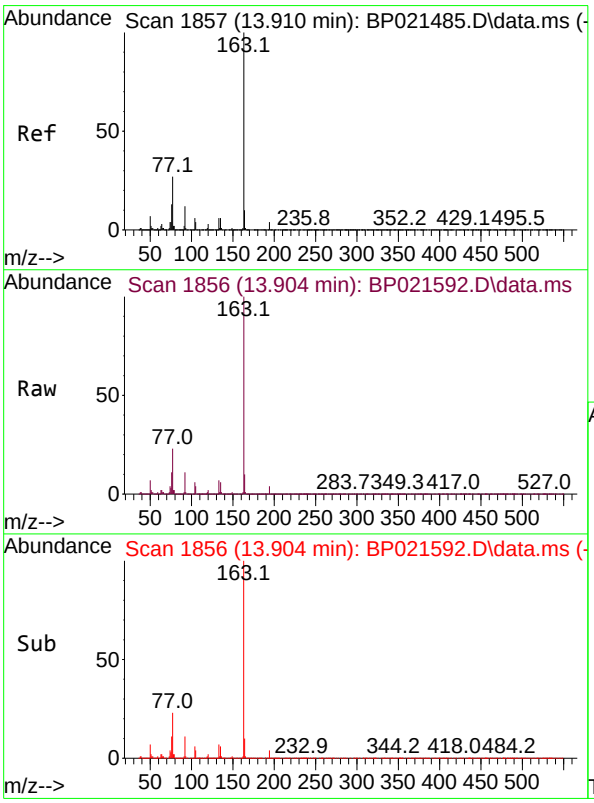
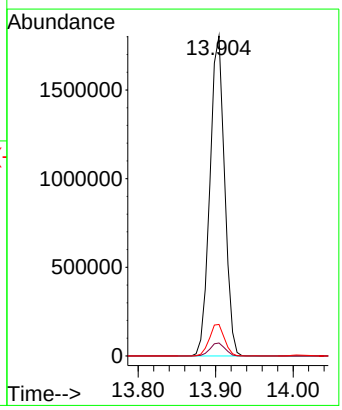


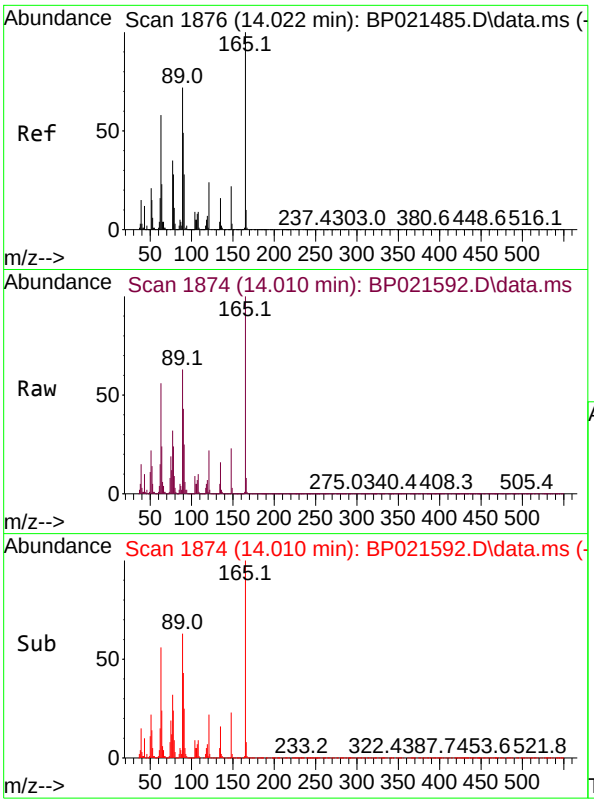


#50
Dimethylphthalate
Concen: 41.239 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:163 Resp: 2383762

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.3	12.5

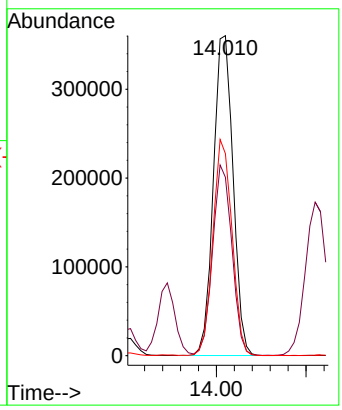




#51
2,6-Dinitrotoluene
Concen: 47.006 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:165 Resp: 54711

Ion	Ratio	Lower	Upper
165	100		
63	55.8	51.5	77.3
89	63.2	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
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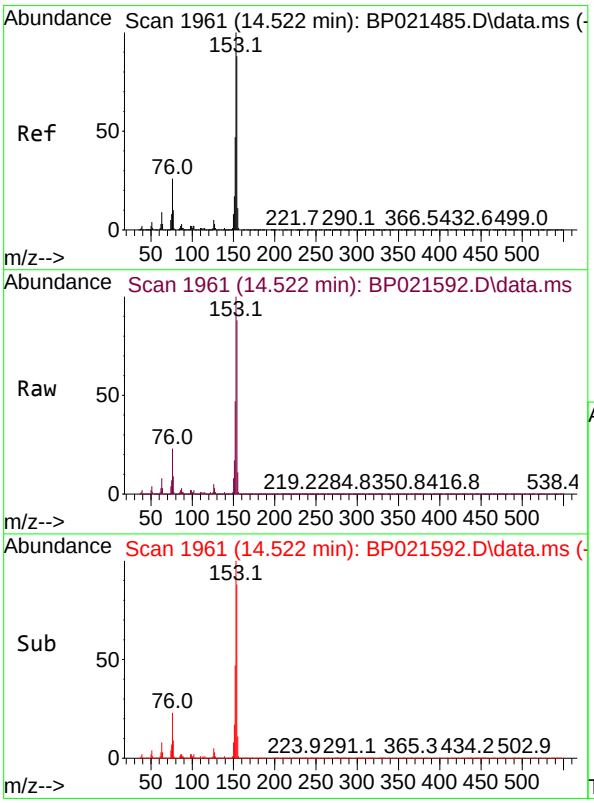
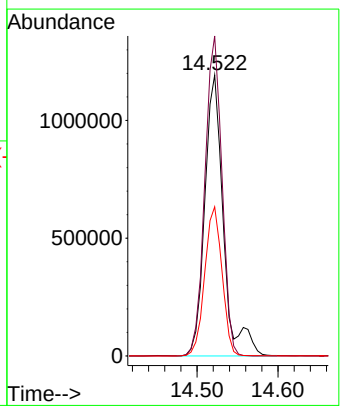
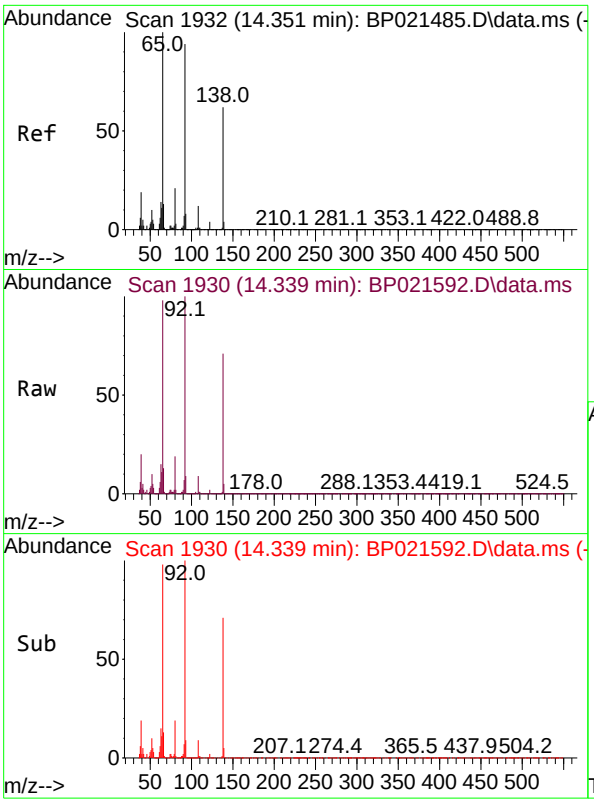


#52
Acenaphthene
Concen: 41.720 ng m
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:154 Resp: 1913215

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.1	136.7
152	53.1	43.0	64.4

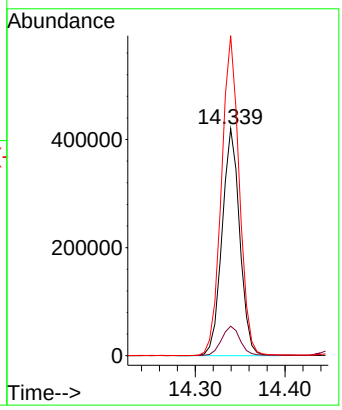




#53
3-Nitroaniline
Concen: 49.787 ng
RT: 14.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:138 Resp: 57261

Ion	Ratio	Lower	Upper
138	100		
108	12.9	16.2	24.4
92	140.9	122.2	183.4



Instrument :
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ClientSampleId :
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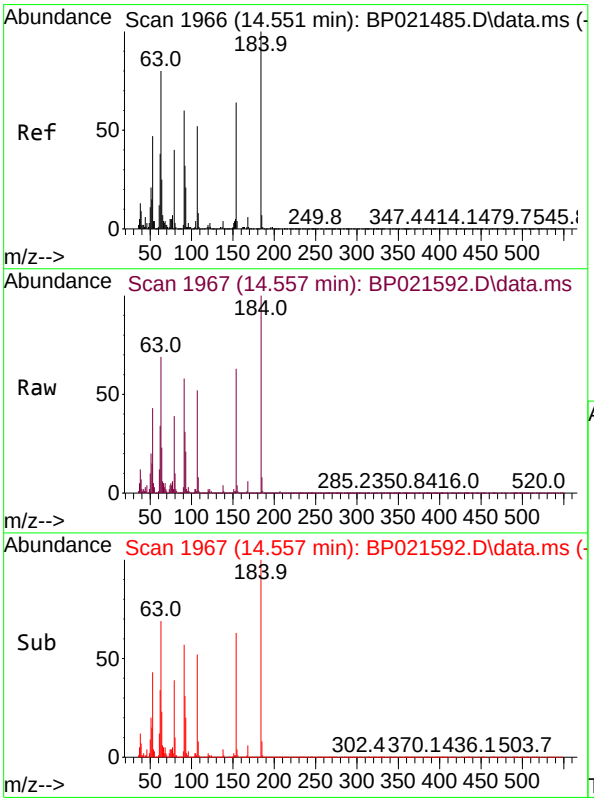
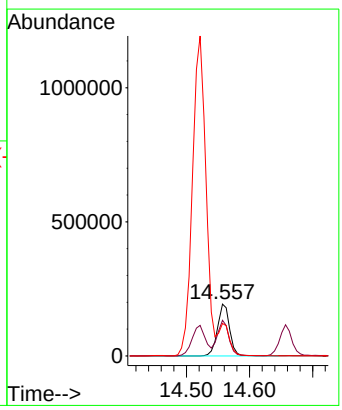
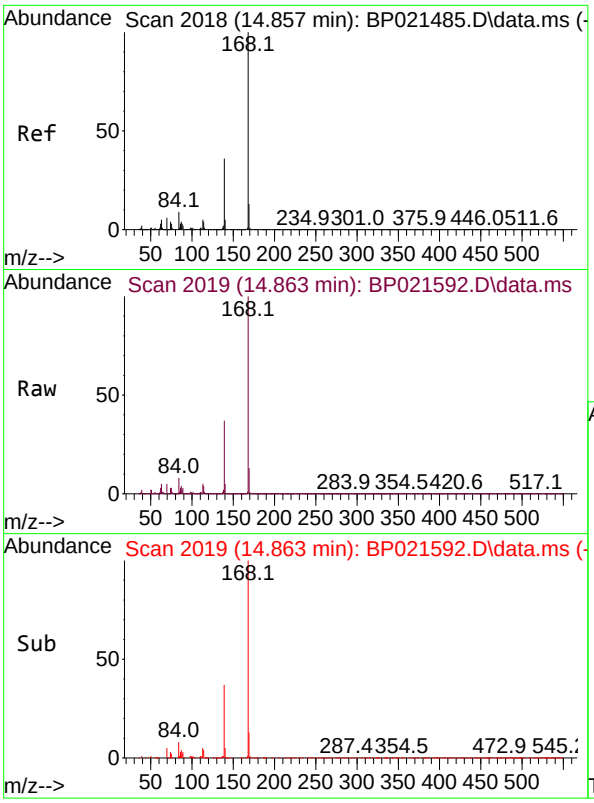


#54
2,4-Dinitrophenol
Concen: 68.565 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:184 Resp: 257171

Ion	Ratio	Lower	Upper
184	100		
63	68.9	64.9	97.3
154	62.7	52.1	78.1

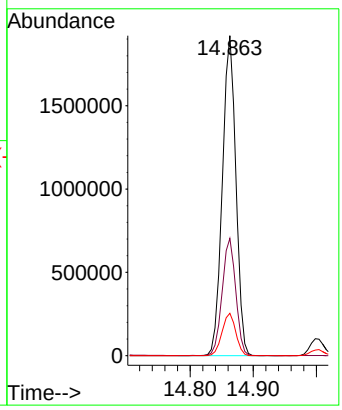




#55
Dibenzofuran
Concen: 40.431 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:168 Resp: 285217

Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.6	43.0
169	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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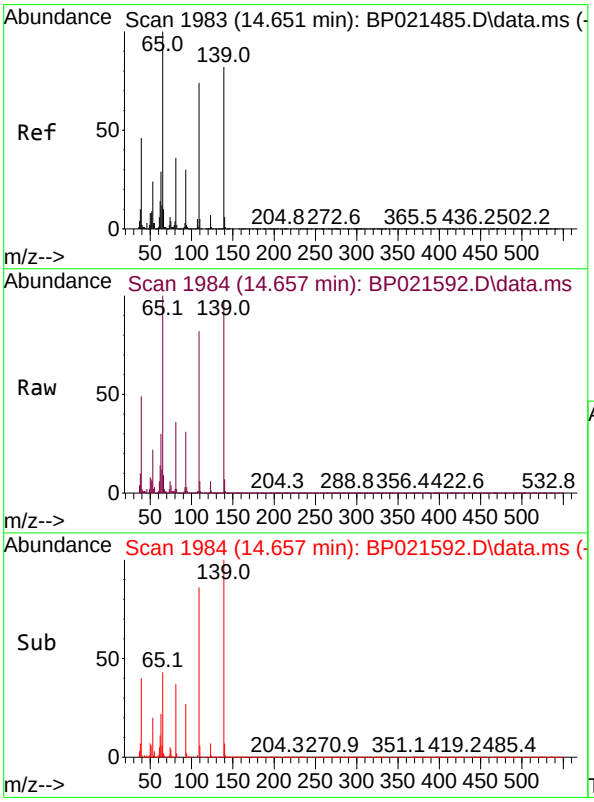
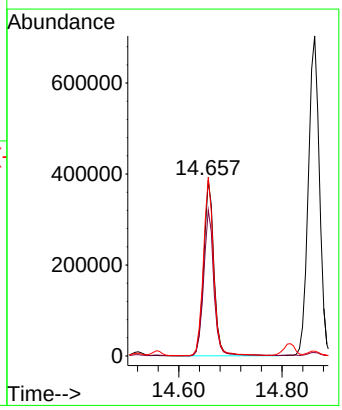
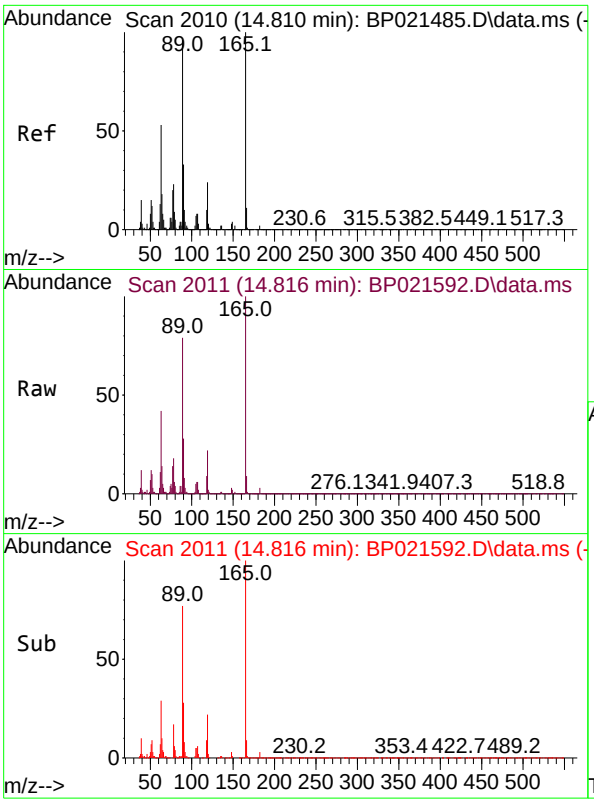


#56
4-Nitrophenol
Concen: 56.857 ng
RT: 14.657 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:139 Resp: 530034

Ion	Ratio	Lower	Upper
139	100		
109	83.1	70.2	110.2
65	101.7	101.8	141.8#

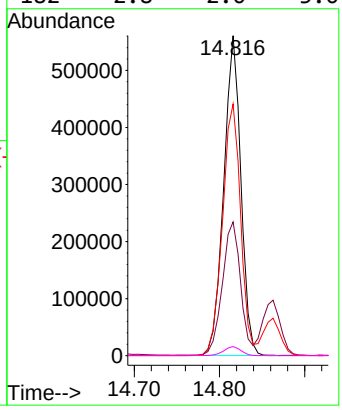




#57
2,4-Dinitrotoluene
Concen: 52.475 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:165 Resp: 78606

Ion	Ratio	Lower	Upper
165	100		
63	41.8	42.5	63.7#
89	78.6	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
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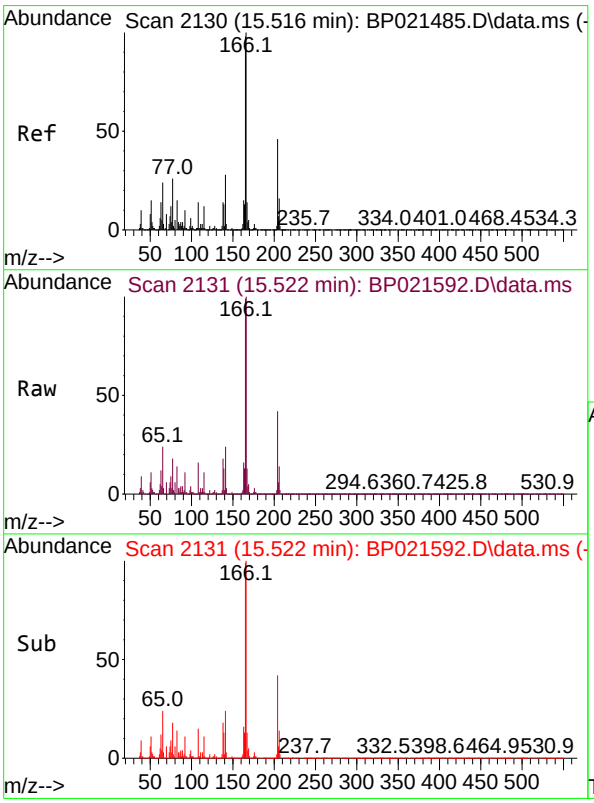
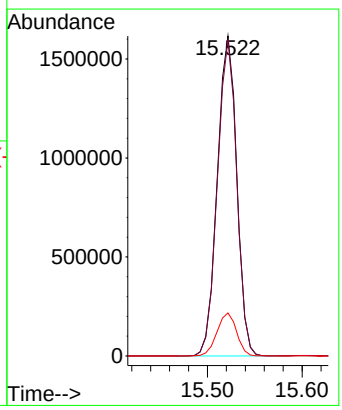
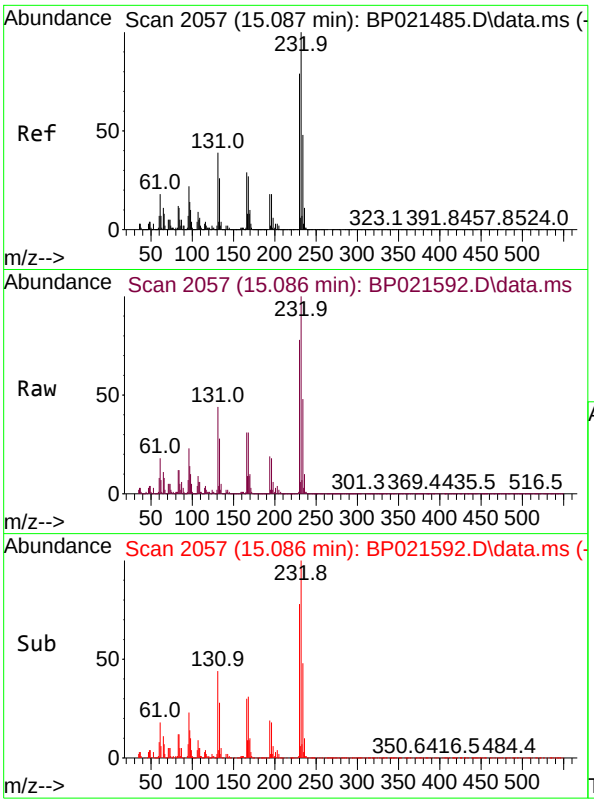


#58
Fluorene
Concen: 39.883 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:166 Resp: 2311380

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.1	117.1
167	13.5	11.0	16.4

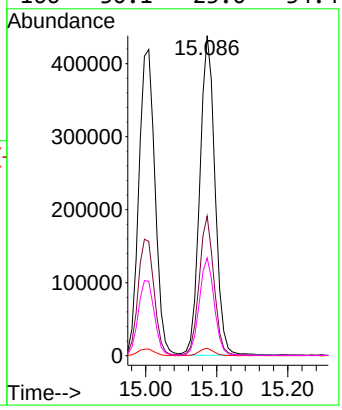




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.225 ng
RT: 15.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:232 Resp: 65213

Ion	Ratio	Lower	Upper
232	100		
131	42.2	33.1	49.7
130	2.2	1.7	2.5
166	30.1	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
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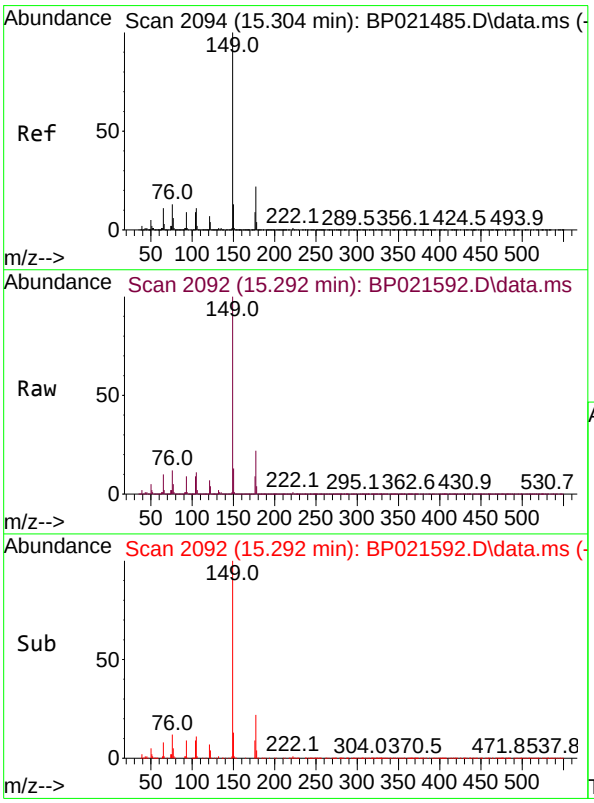
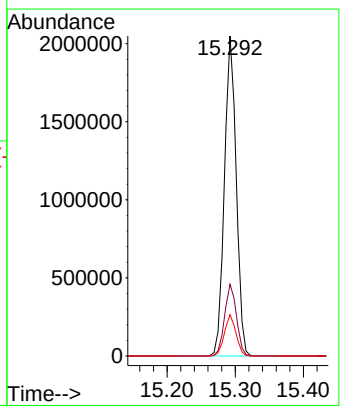
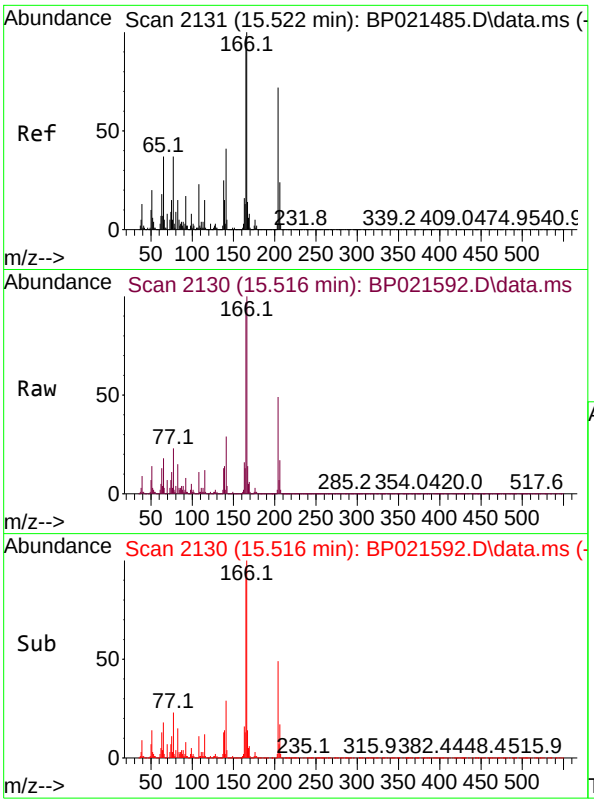


#60
Diethylphthalate
Concen: 41.619 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:149 Resp: 2468390

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.8
150	12.9	10.1	15.1

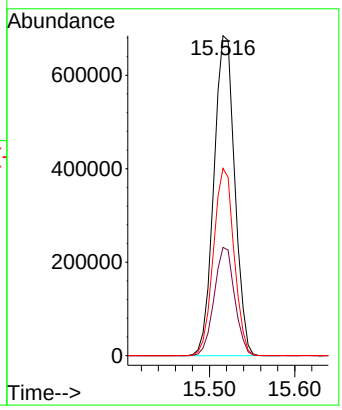




#61
4-Chlorophenyl-phenylether
Concen: 38.791 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:204 Resp: 116206

Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.4	39.6
141	58.6	46.1	69.1



Instrument :
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ClientSampleId :
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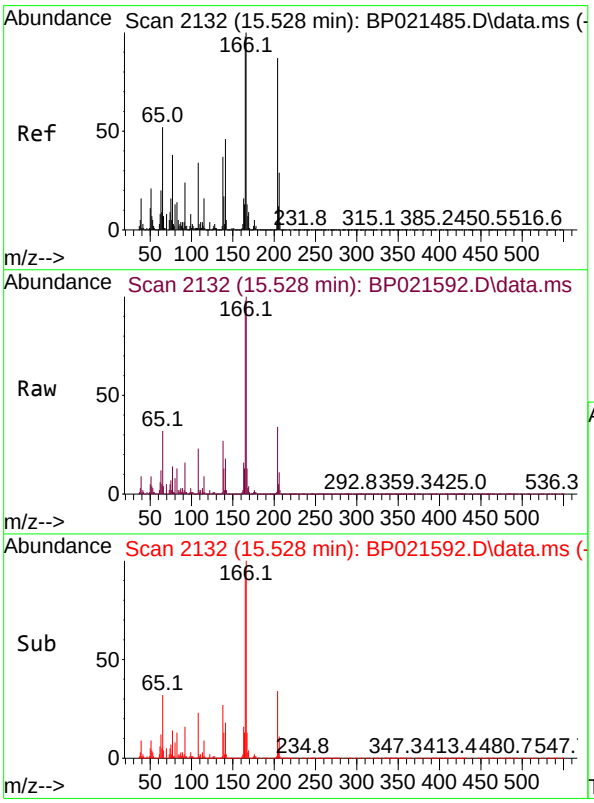
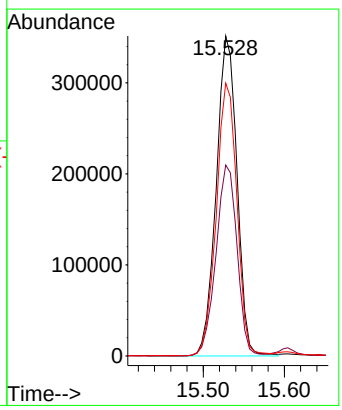
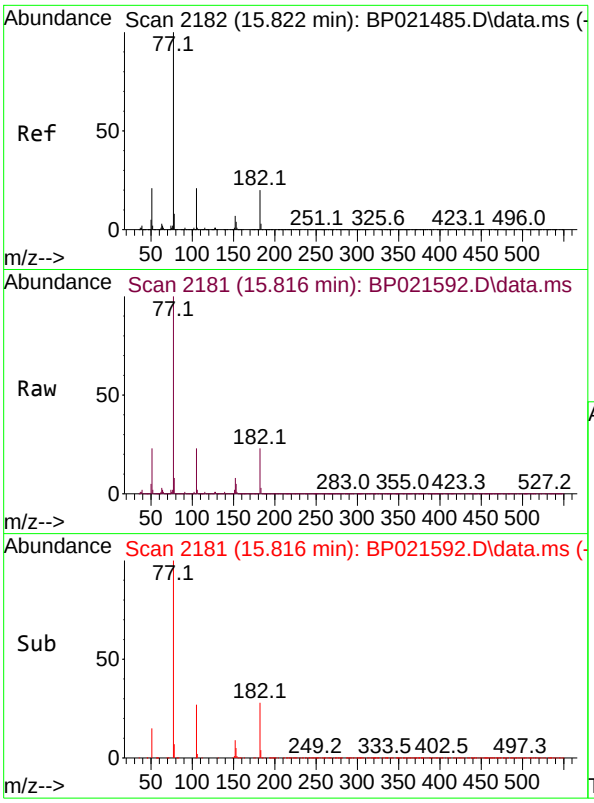


#62
4-Nitroaniline
Concen: 52.720 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:138 Resp: 624880

Ion	Ratio	Lower	Upper
138	100		
92	59.7	46.4	86.4
108	85.3	73.2	113.2

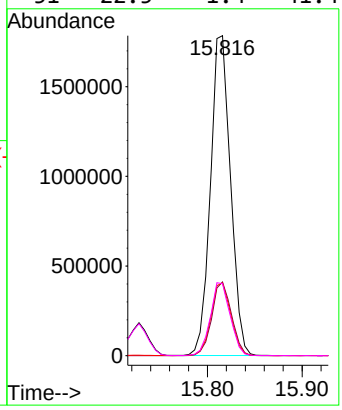




#63
Azobenzene
Concen: 36.052 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion: 77 Resp: 262833

Ion	Ratio	Lower	Upper
77	100		
182	23.1	0.0	39.9
105	22.8	0.9	40.9
51	22.5	1.4	41.4



Instrument :
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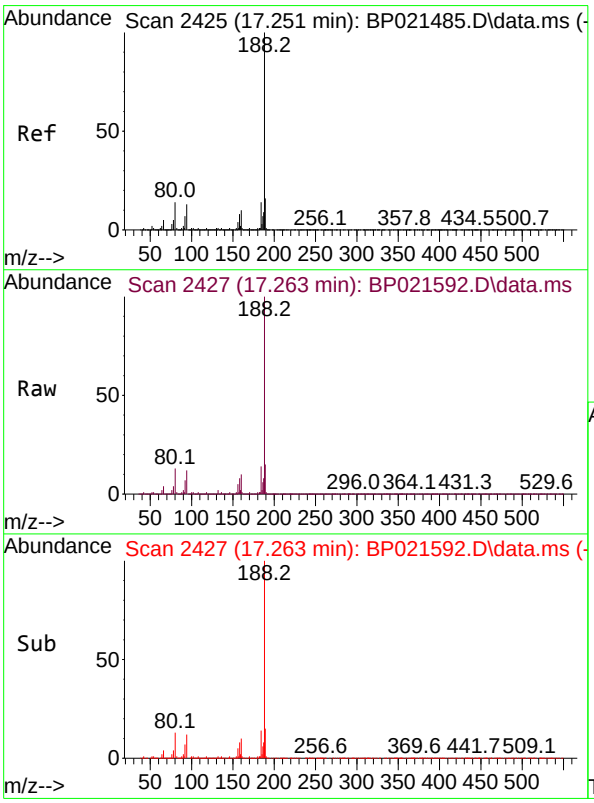
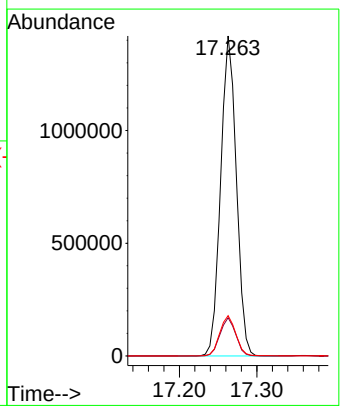
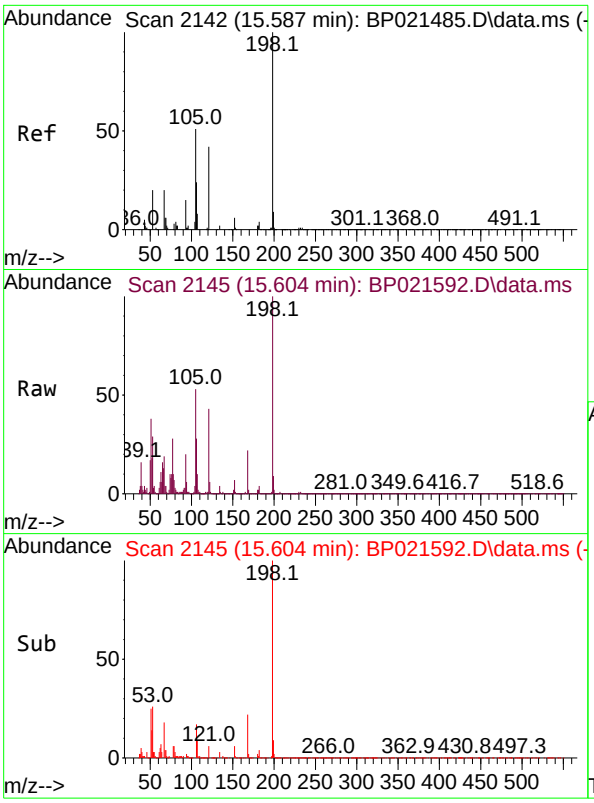


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:188 Resp: 1998553

Ion	Ratio	Lower	Upper
188	100		
94	11.9	10.2	15.4
80	12.6	11.6	17.4

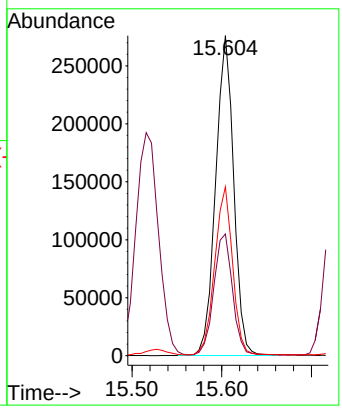




#65
4,6-Dinitro-2-methylphenol
Concen: 59.143 ng
RT: 15.604 min Scan# 21
Delta R.T. 0.017 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:198 Resp: 38548

Ion	Ratio	Lower	Upper
198	100		
51	38.0	21.5	61.5
105	52.8	32.9	72.9



Instrument :
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ClientSampleId :
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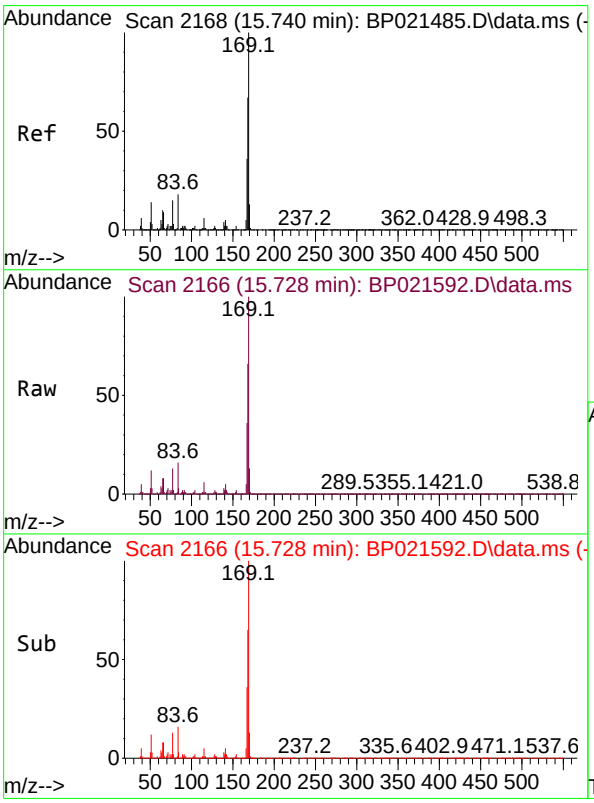
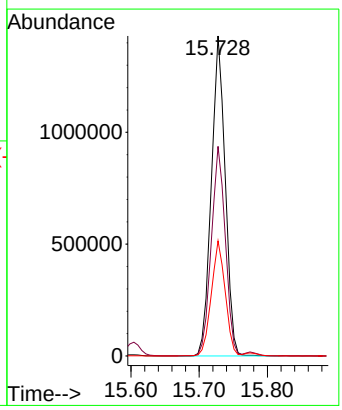
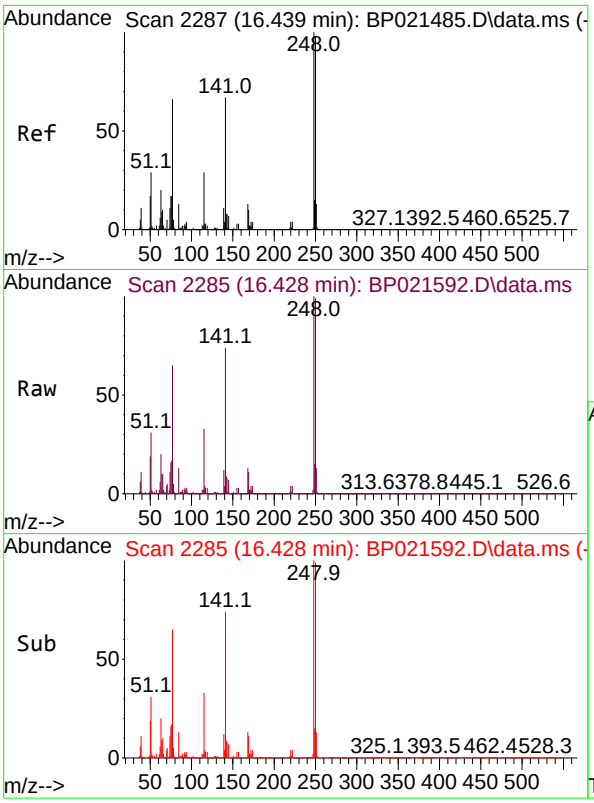


#66
n-Nitrosodiphenylamine
Concen: 37.876 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:169 Resp: 2028600

Ion	Ratio	Lower	Upper
169	100		
168	65.5	53.4	80.2
167	35.9	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 36.976 ng
RT: 16.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:248 Resp: 78210

Ion	Ratio	Lower	Upper
248	100		
250	99.5	78.6	117.8
141	73.7	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
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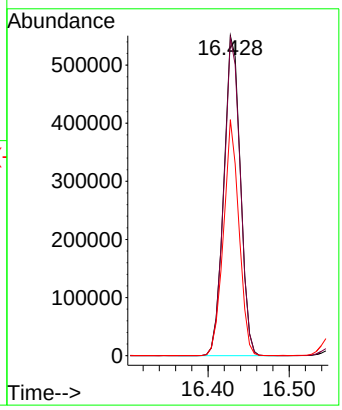
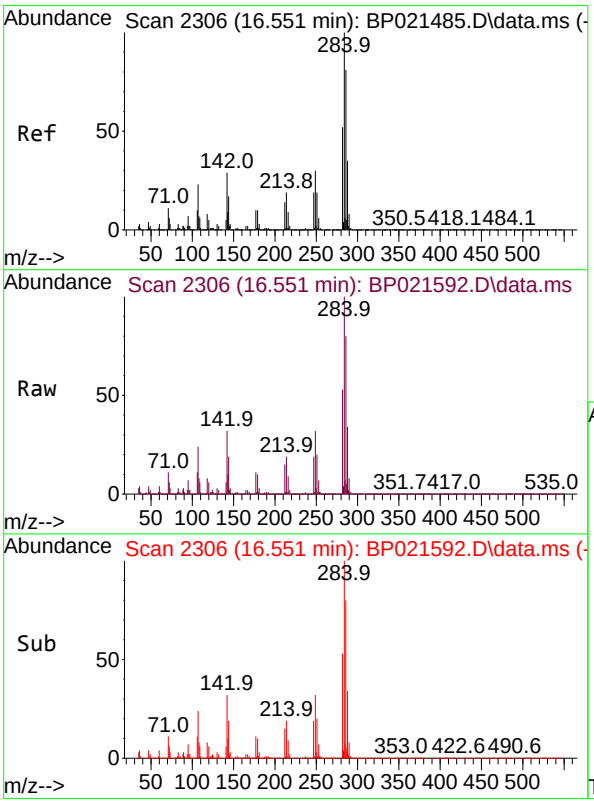
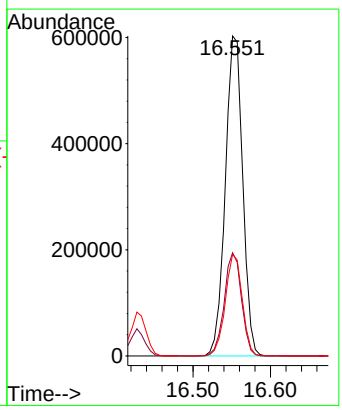


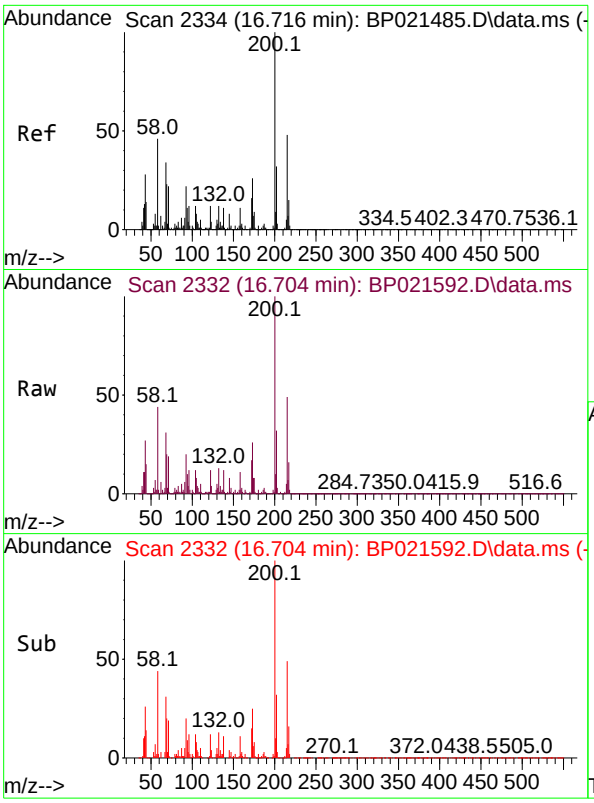


#68
Hexachlorobenzene
Concen: 37.644 ng
RT: 16.551 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:284 Resp: 940976

Ion	Ratio	Lower	Upper
284	100		
142	32.2	23.4	35.2
249	31.8	24.1	36.1

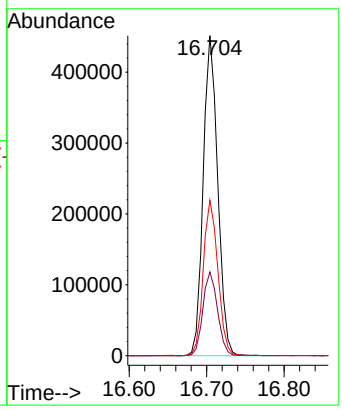




#69
Atrazine
Concen: 31.922 ng
RT: 16.704 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:200 Resp: 58698

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.2	46.2
215	48.6	28.4	68.4



Instrument :
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ClientSampleId :
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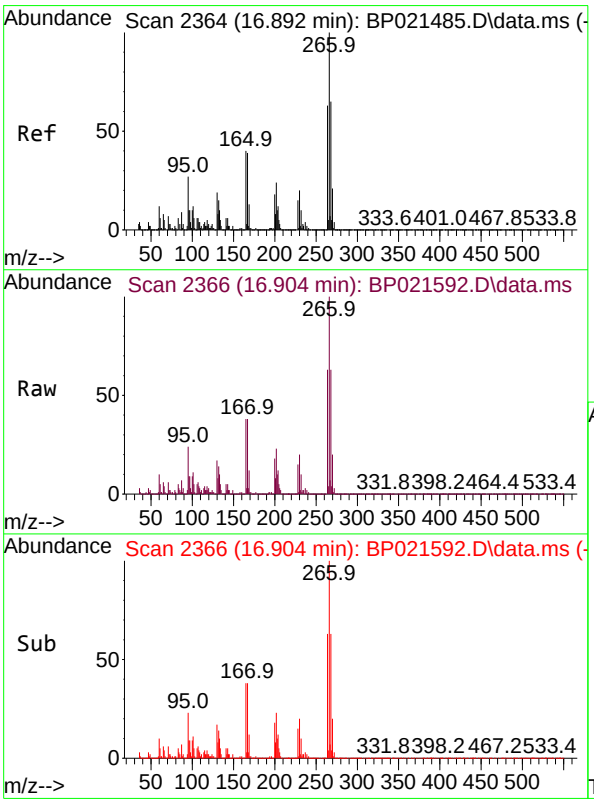
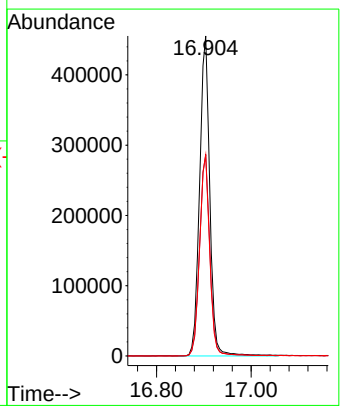
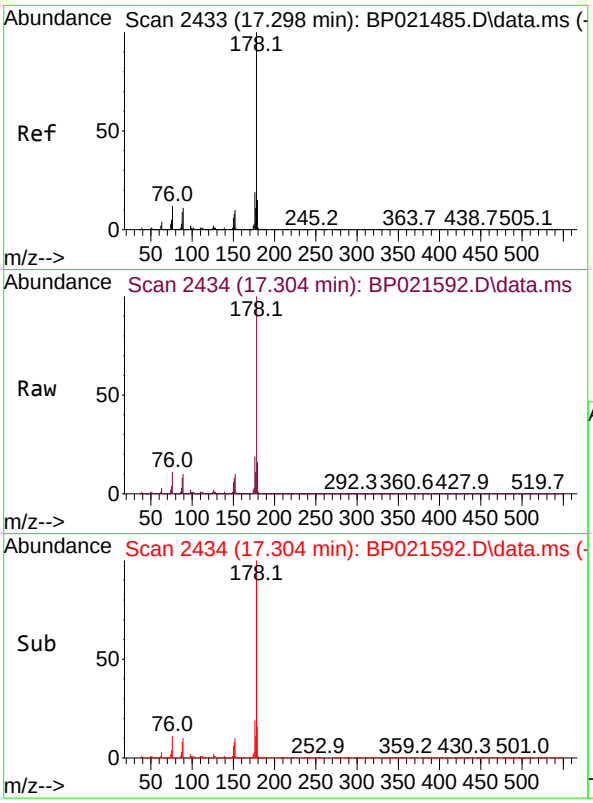


#70
Pentachlorophenol
Concen: 49.701 ng
RT: 16.904 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:266 Resp: 678081

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.8	77.6
264	62.7	50.5	75.7





#71
Phenanthrene
Concen: 39.667 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:178 Resp: 381261

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.6	12.4	18.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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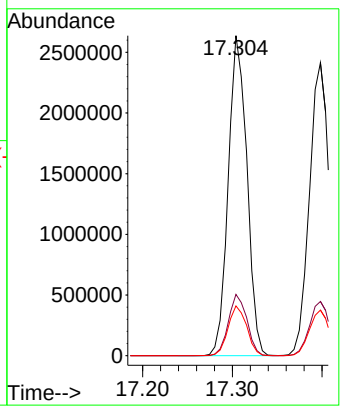
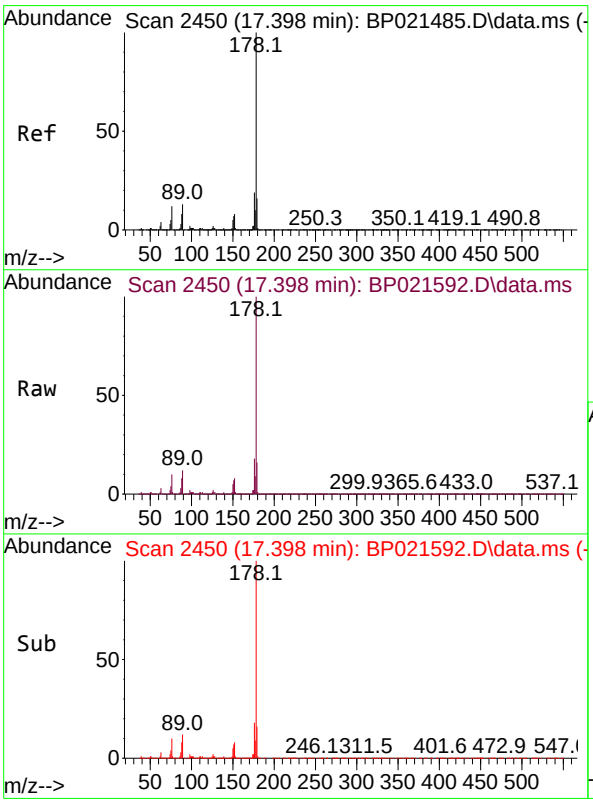
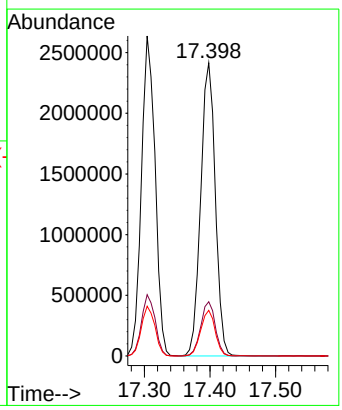


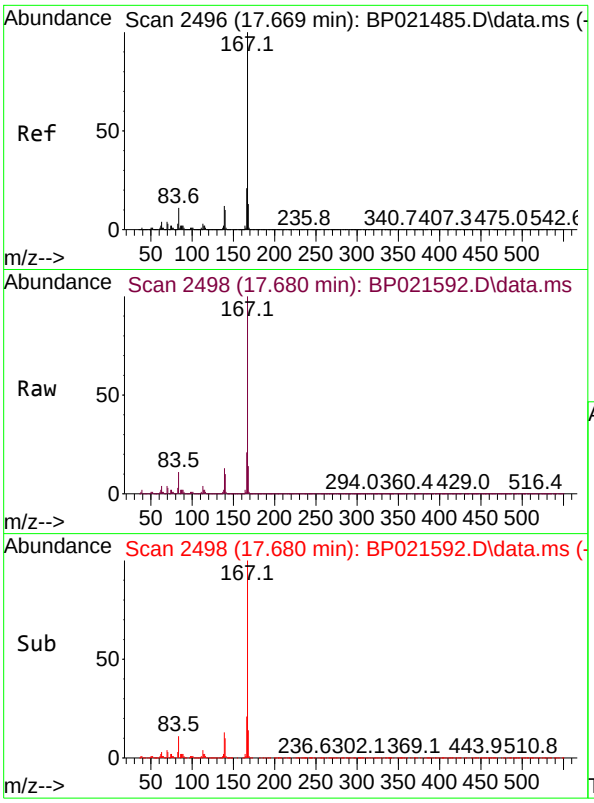


#72
Anthracene
Concen: 39.819 ng
RT: 17.398 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:178 Resp: 3753460

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.6	12.5	18.7





#73
Carbazole
Concen: 41.855 ng
RT: 17.680 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:167 Resp: 380218

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	12.7	9.9	14.9

Instrument :
BNA_P
ClientSampleId :
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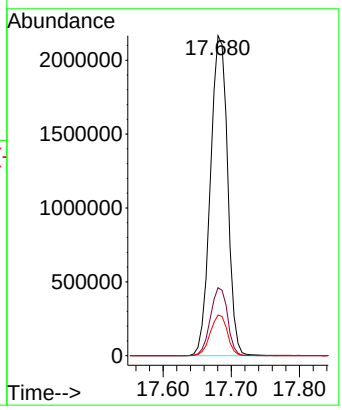
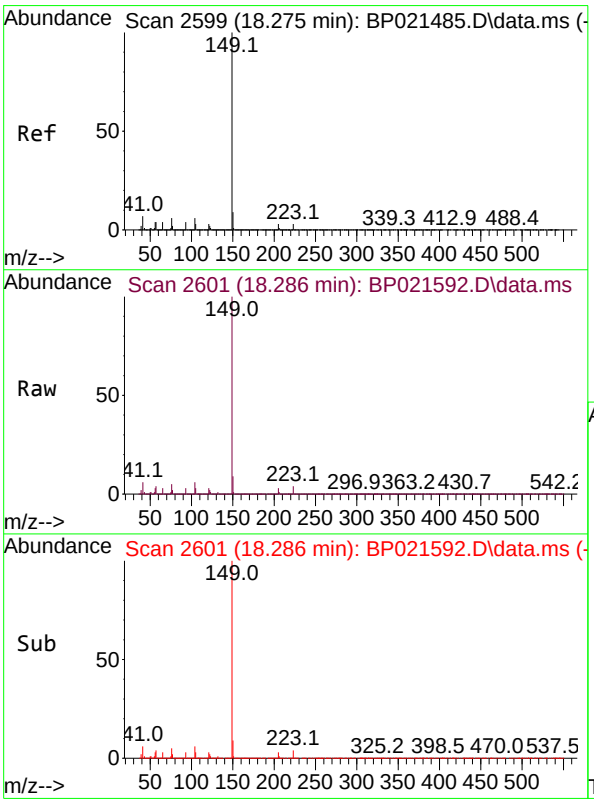
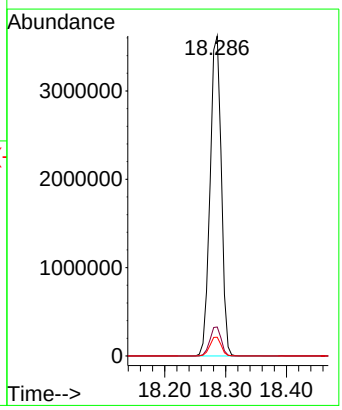


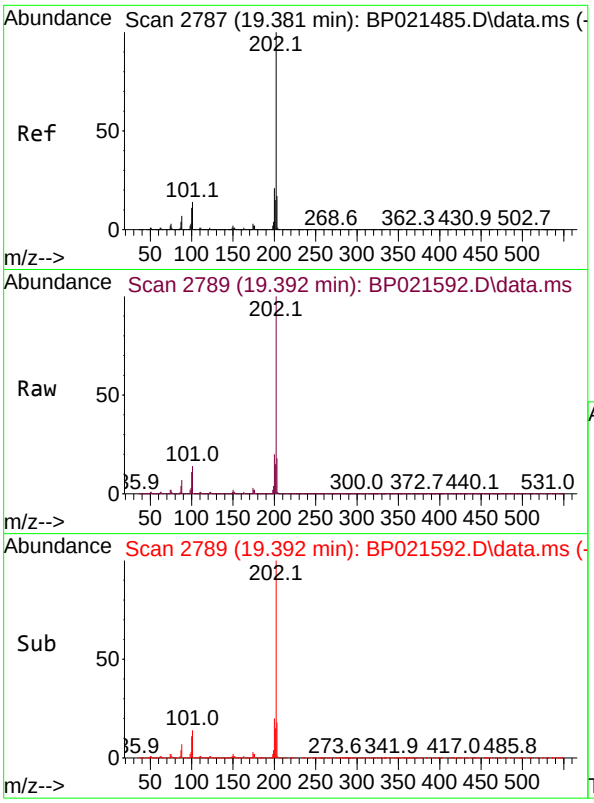


#74
Di-n-butylphthalate
Concen: 41.468 ng
RT: 18.286 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:149 Resp: 4626416

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.9	4.9	7.3

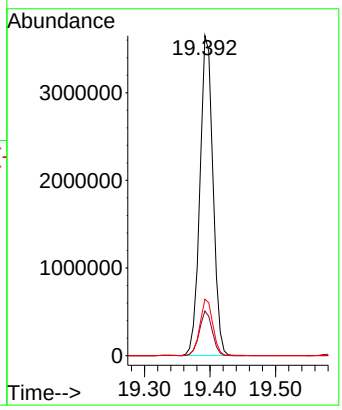




#75
Fluoranthene
Concen: 42.956 ng
RT: 19.392 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:202 Resp: 506583

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.7	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
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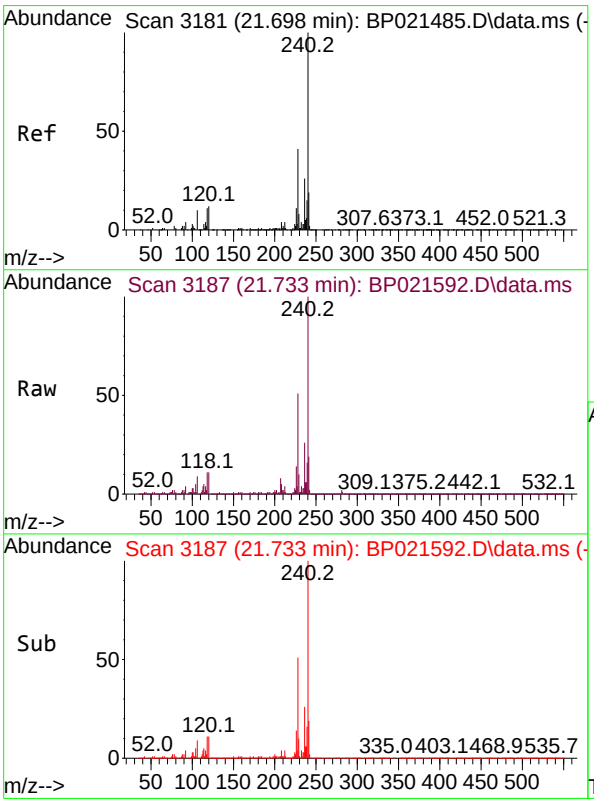
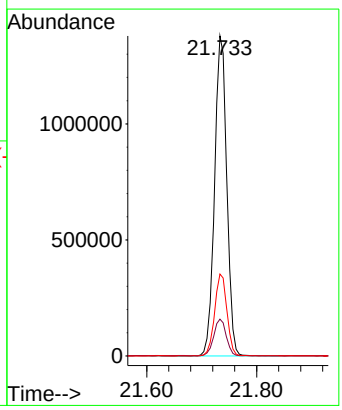
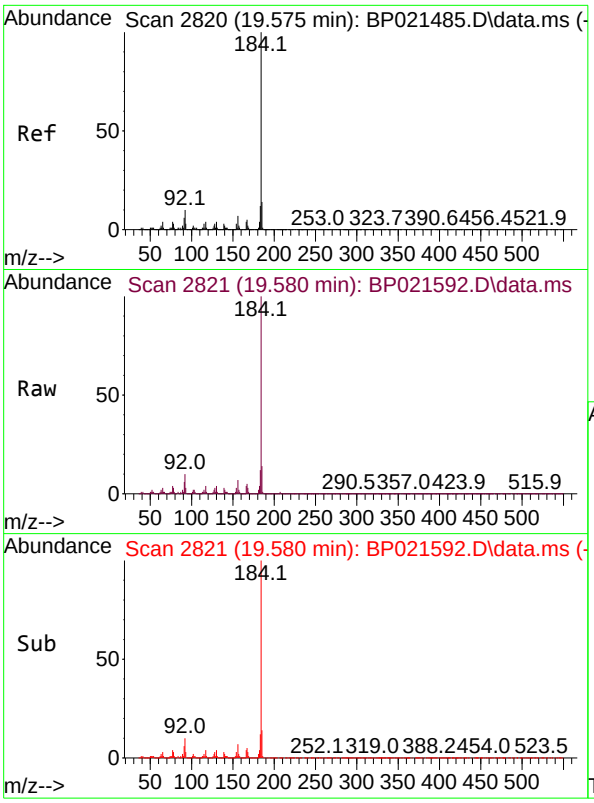


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.733 min Scan# 3187
Delta R.T. 0.035 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:240 Resp: 2127498

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.9	14.9
236	25.6	20.6	30.8

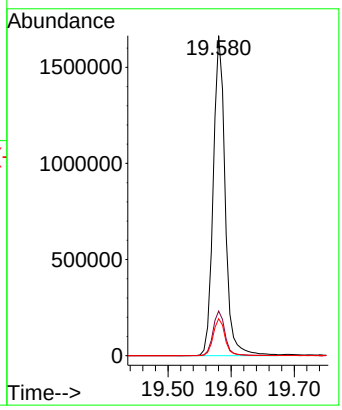




#77
Benzidine
Concen: 44.381 ng
RT: 19.580 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:184 Resp: 217985

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.0
183	11.5	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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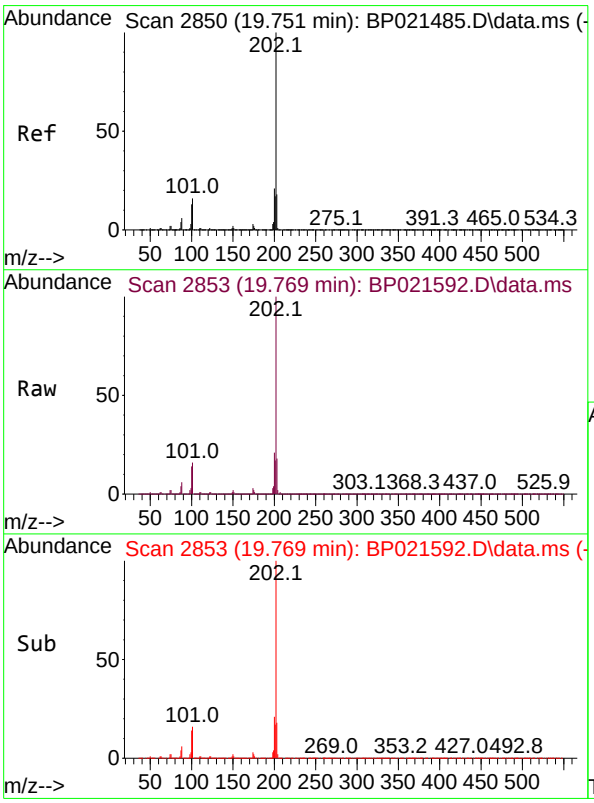
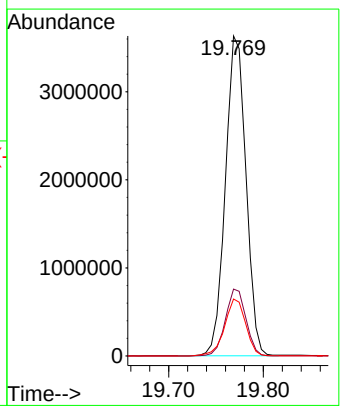
Supervised By :mohammad ahmed 08/22/2024

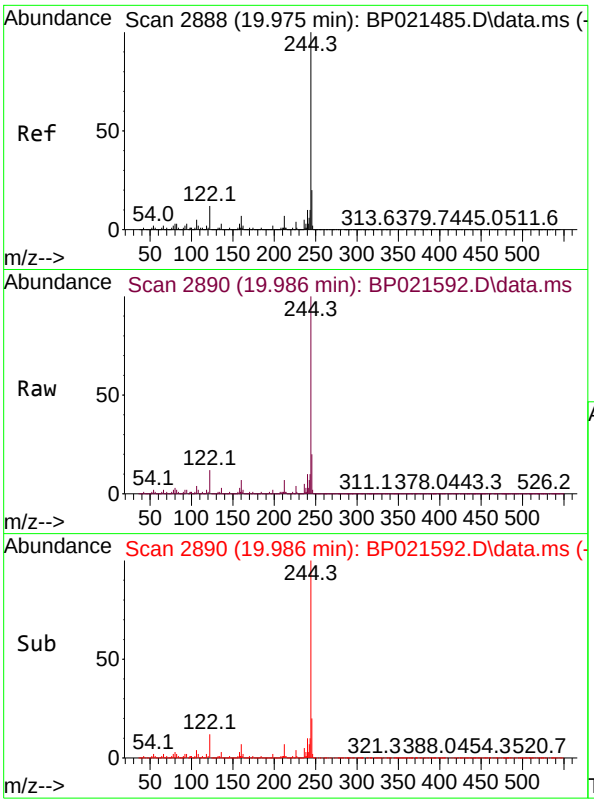


#78
Pyrene
Concen: 39.410 ng
RT: 19.769 min Scan# 2853
Delta R.T. 0.017 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:202 Resp: 5480284

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1

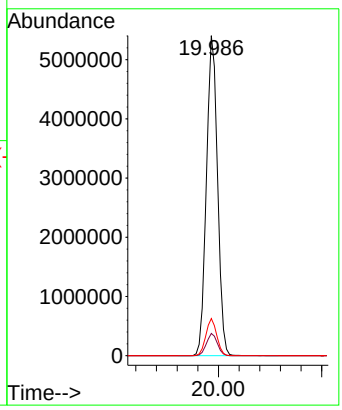




#79
Terphenyl-d14
Concen: 73.593 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:244 Resp: 805927

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.6	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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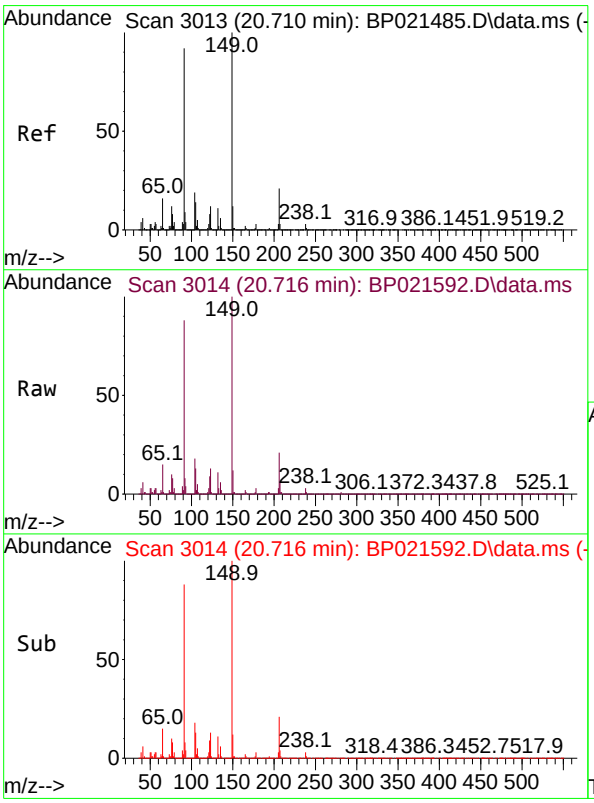
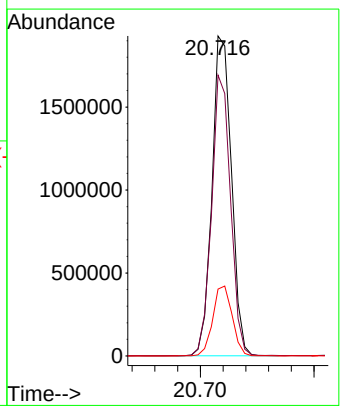
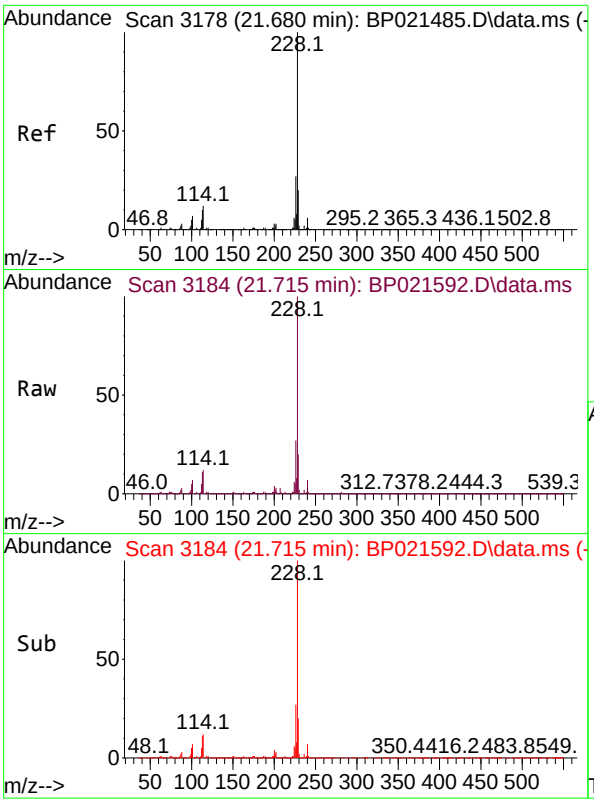


#80
Butylbenzylphthalate
Concen: 43.759 ng
RT: 20.716 min Scan# 3014
Delta R.T. 0.006 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:149 Resp: 2291308

Ion	Ratio	Lower	Upper
149	100		
91	87.7	73.3	109.9
206	20.9	17.1	25.7





#81
Benzo(a)anthracene
Concen: 40.017 ng
RT: 21.715 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:228 Resp: 534448

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.8	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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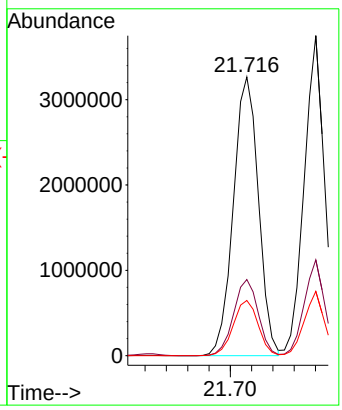
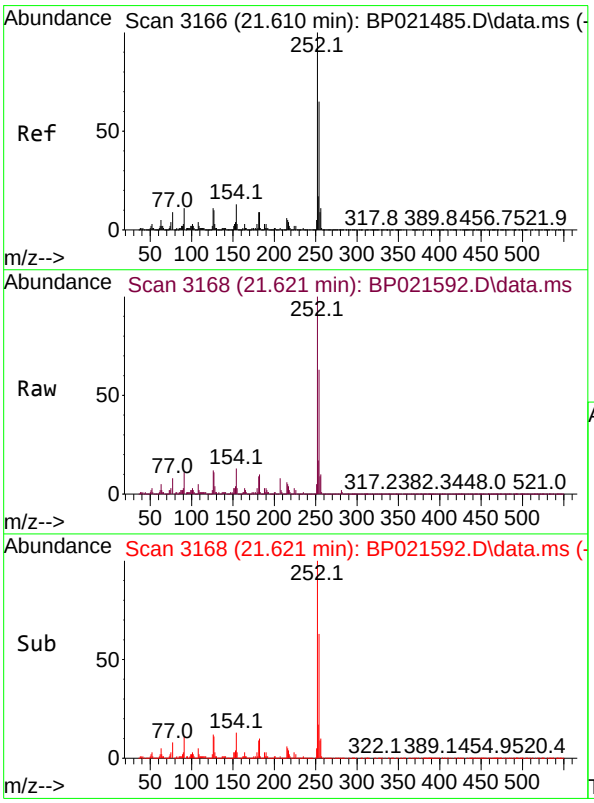
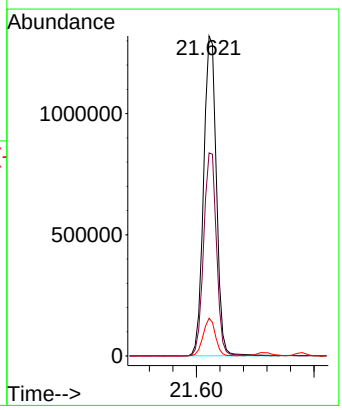


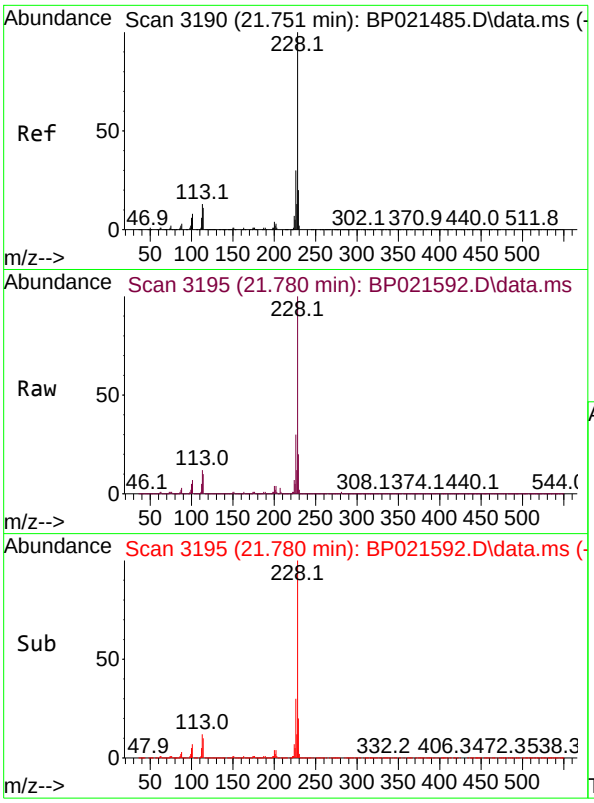


#82
3,3'-Dichlorobenzidine
Concen: 46.254 ng
RT: 21.621 min Scan# 3168
Delta R.T. 0.012 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:252 Resp: 1980659

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.7	77.5
126	11.8	8.7	13.1

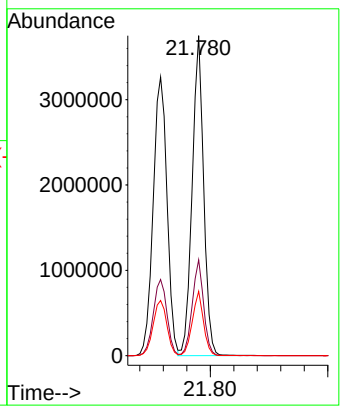




#83
Chrysene
Concen: 40.110 ng
RT: 21.780 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:228 Resp: 505771

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	20.1	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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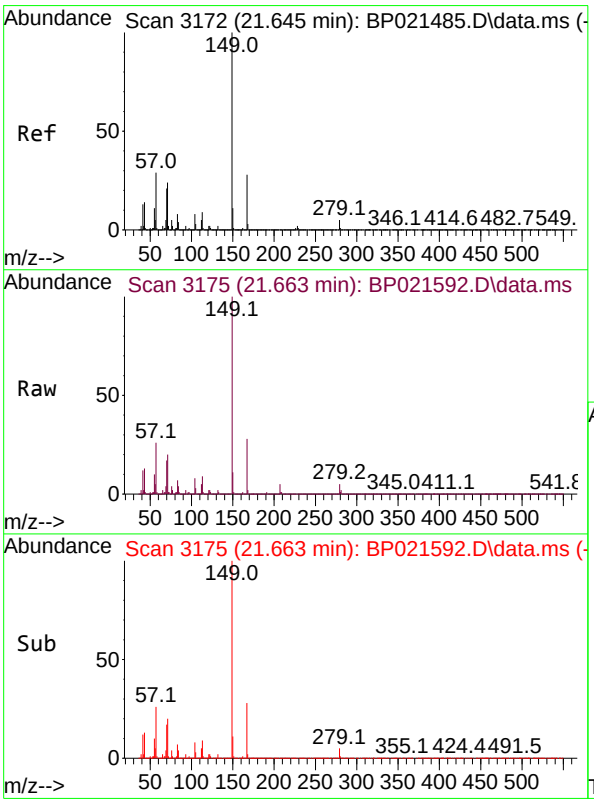
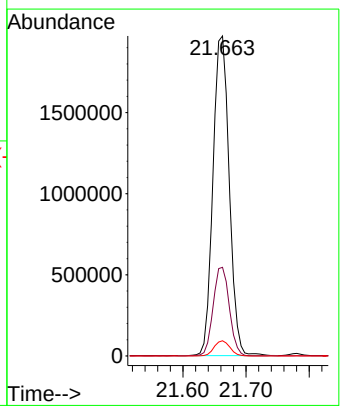
Supervised By :mohammad ahmed 08/22/2024

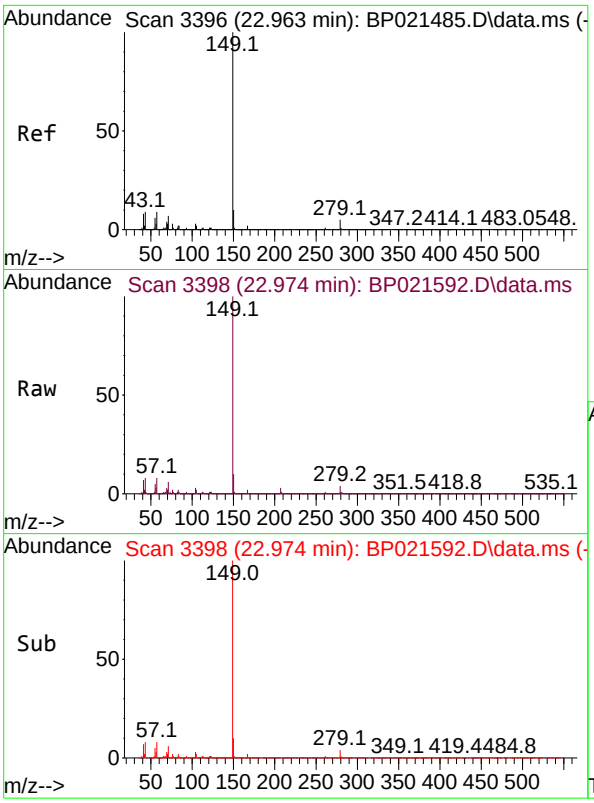


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.643 ng
RT: 21.663 min Scan# 3175
Delta R.T. 0.017 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:149 Resp: 3523936

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.8	3.8	5.6

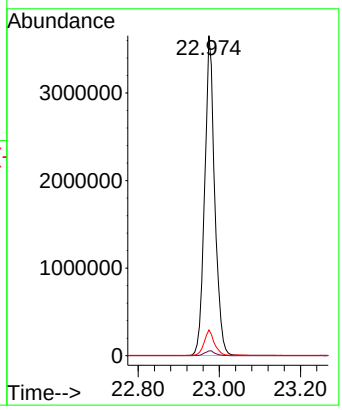




#85
Di-n-octyl phthalate
Concen: 45.395 ng
RT: 22.974 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:149 Resp: 625411

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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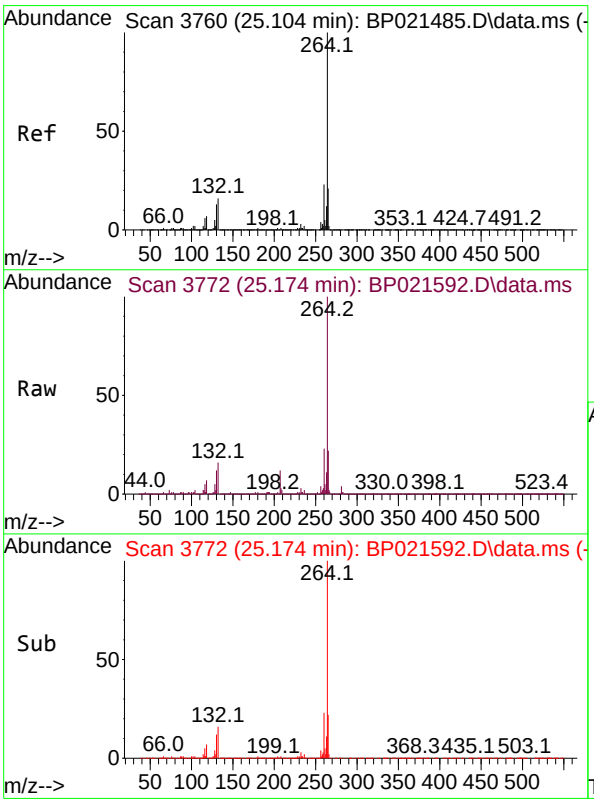
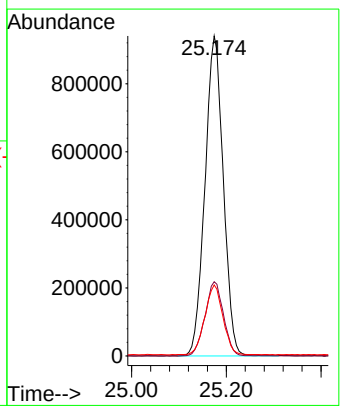
Supervised By :mohammad ahmed 08/22/2024

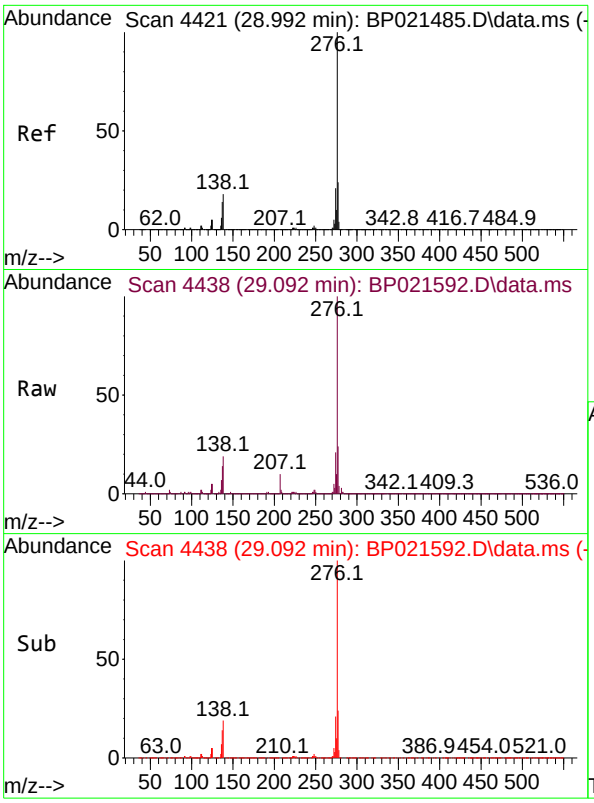


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.174 min Scan# 3772
Delta R.T. 0.070 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:264 Resp: 2528931

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	22.2	17.1	25.7

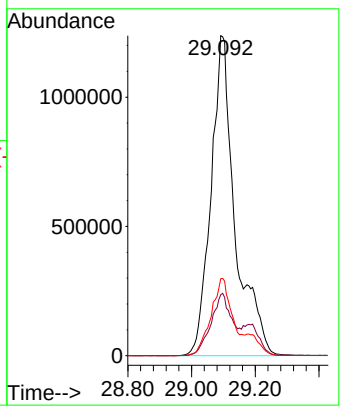




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.744 ng m
RT: 29.092 min Scan# 44
Delta R.T. 0.100 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:276 Resp: 651521(

Ion	Ratio	Lower	Upper
276	100		
138	17.7	12.8	19.2
277	21.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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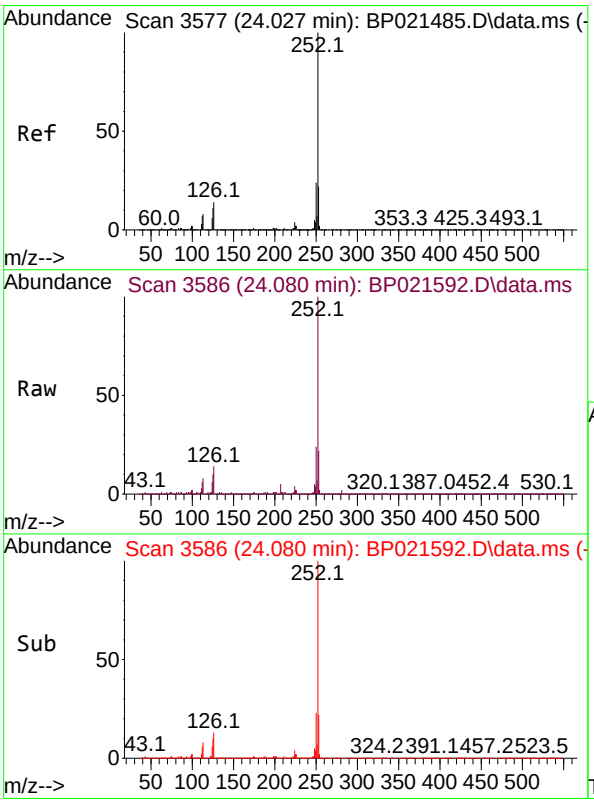
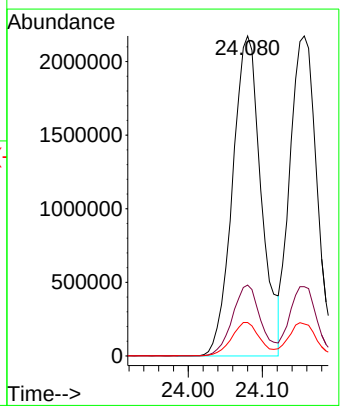
Supervised By :mohammad ahmed 08/22/2024

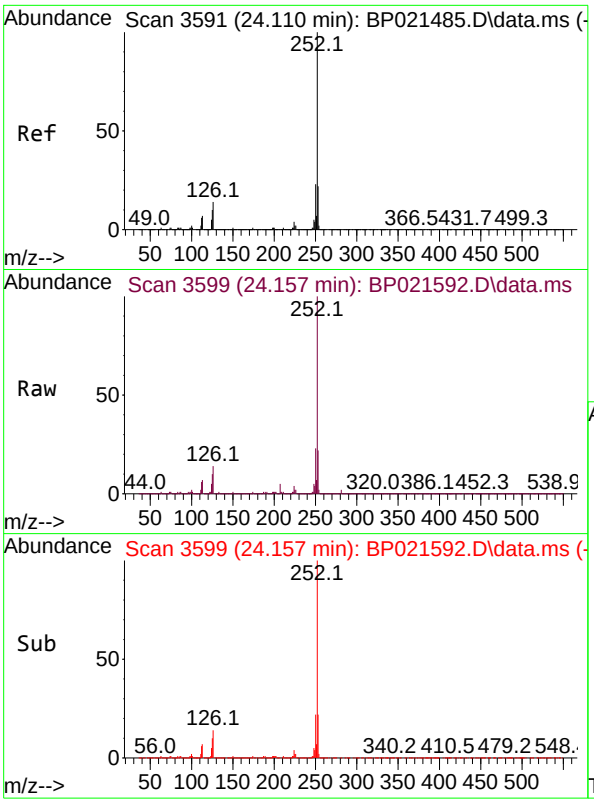


#88
Benzo(b)fluoranthene
Concen: 40.214 ng
RT: 24.080 min Scan# 3586
Delta R.T. 0.053 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:252 Resp: 5840763

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.5	8.6	13.0

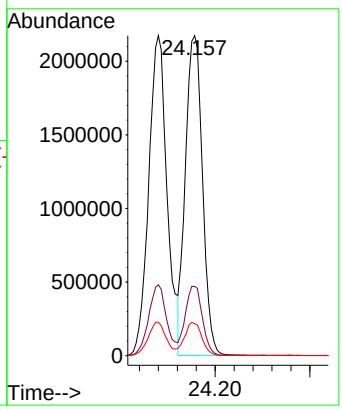




#89
Benzo(k)fluoranthene
Concen: 38.472 ng
RT: 24.157 min Scan# 3
Delta R.T. 0.047 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:252 Resp: 545083

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.0	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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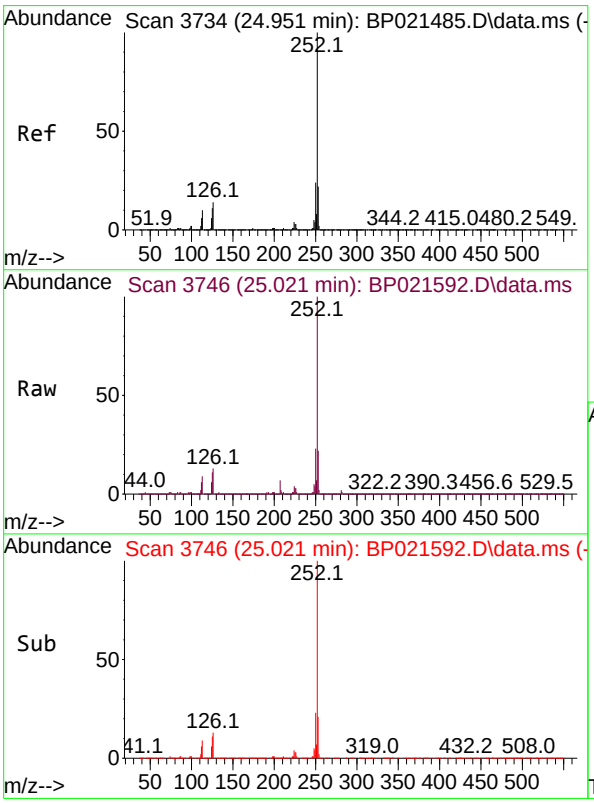
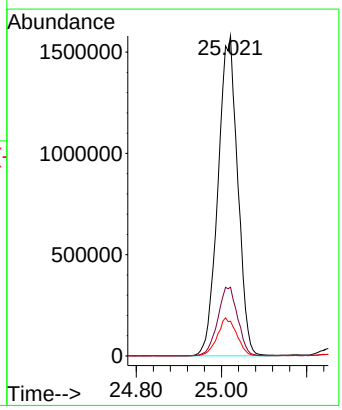
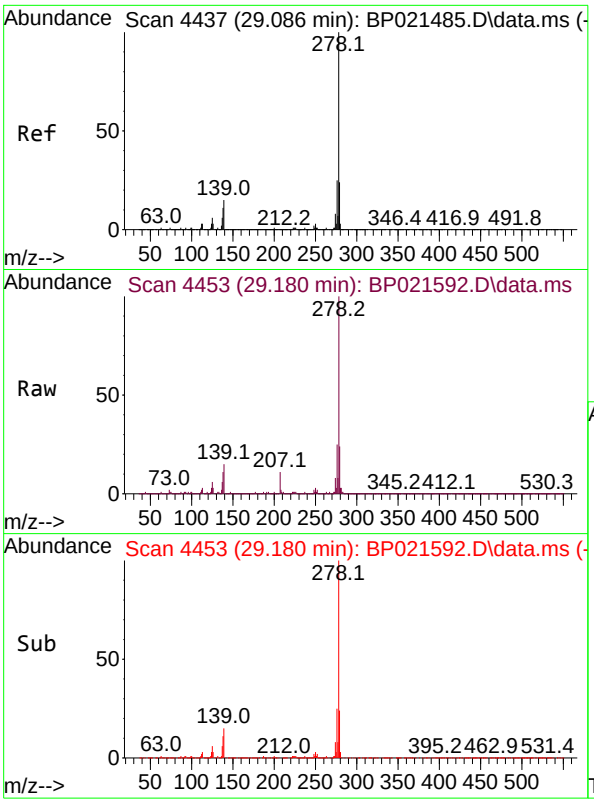


#90
Benzo(a)pyrene
Concen: 40.100 ng
RT: 25.021 min Scan# 3746
Delta R.T. 0.070 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:252 Resp: 5054251

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	10.9	8.7	13.1

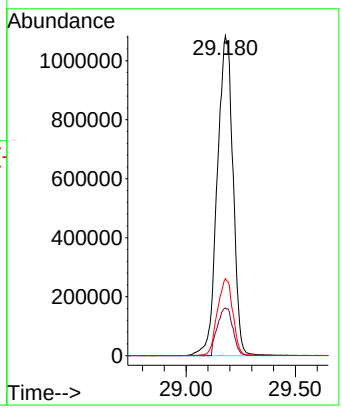




#91
Dibenzo(a,h)anthracene
Concen: 39.693 ng
RT: 29.180 min Scan# 4
Delta R.T. 0.094 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:278 Resp: 540644

Ion	Ratio	Lower	Upper
278	100		
139	14.9	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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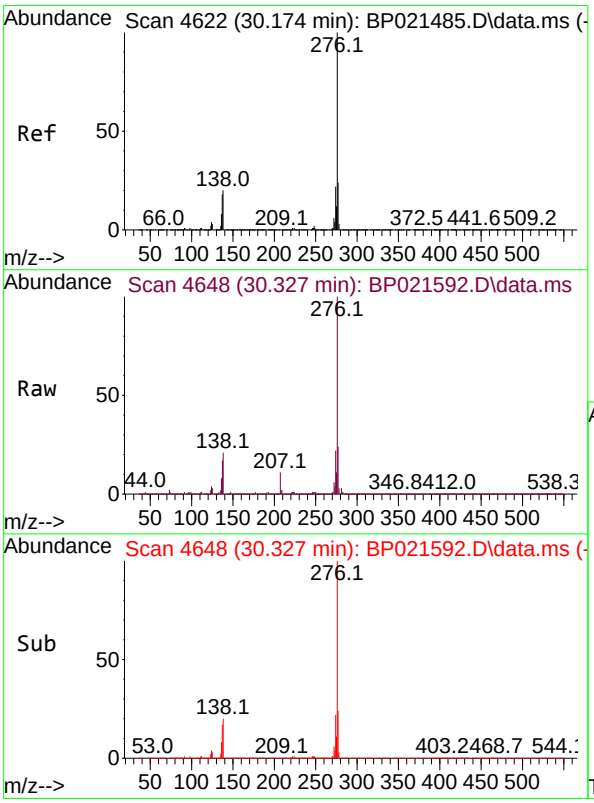
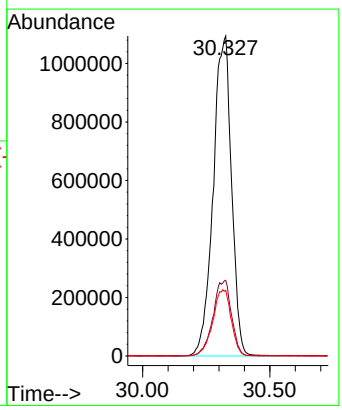


#92
Benzo(g,h,i)perylene
Concen: 39.982 ng
RT: 30.327 min Scan# 4648
Delta R.T. 0.153 min
Lab File: BP021592.D
Acq: 21 Aug 2024 10:10

Tgt Ion:276 Resp: 5458301

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.5	16.0	24.0



Sample Results: **BP021592.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
2		1,4-Dioxane	0.639	0.574	10.2	80	0.00
3		Pyridine	1.783	1.611	9.6	80	0.01
4		n-Nitrosodimethylamine	0.536	0.507	5.4	85	0.00
5	S	2-Fluorophenol	1.347	1.386	-2.9	92	0.01
6		Aniline	1.964	1.787	9.0	81	0.00
7	S	Phenol-d6	1.965	1.977	-0.6	90	0.00
8		2-Chlorophenol	1.245	1.332	-7.0	96	0.00
9		Benzaldehyde	1.258	1.091	13.3	82	0.00
10	C	Phenol	2.035	2.006	1.4	88	0.01
11		bis(2-Chloroethyl)ether	1.722	1.517	11.9	80	0.00
12		1,3-Dichlorobenzene	1.479	1.460	1.3	90	0.00
13	C	1,4-Dichlorobenzene	1.493	1.480	0.9	90	0.00
14		1,2-Dichlorobenzene	1.439	1.415	1.7	90	0.00
15		Benzyl Alcohol	1.410	1.341	4.9	85	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.387	12.5	80	0.00
17		2-Methylphenol	1.286	1.305	-1.5	91	0.00
18		Hexachloroethane	0.599	0.595	0.7	90	-0.01
19	P	n-Nitroso-di-n-propylamine	1.357	1.133	16.5	76	0.00
20		3+4-Methylphenols	1.734	1.825	-5.2	93	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
22		Acetophenone	0.614	0.585	4.7	86	0.00
23	S	Nitrobenzene-d5	0.387	0.422	-9.0	93	0.00
24		Nitrobenzene	0.421	0.431	-2.4	88	0.00
25		Isophorone	0.915	0.807	11.8	80	0.00
26	C	2-Nitrophenol	0.086	0.165	-91.9#	158#	0.00
27		2,4-Dimethylphenol	0.226	0.230	-1.8	92	0.00
28		bis(2-Chloroethoxy)methane	0.559	0.506	9.5	83	0.00
29	C	2,4-Dichlorophenol	0.267	0.303	-13.5	100	0.00
30		1,2,4-Trichlorobenzene	0.342	0.336	1.8	89	0.00
31		Naphthalene	1.045	1.044	0.1	91	0.00
32		Benzoic acid	0.137	0.276	-101.5#	192#	0.02
33		4-Chloroaniline	0.392	0.408	-4.1	93	0.00
34	C	Hexachlorobutadiene	0.215	0.205	4.7	86	0.00
35		Caprolactam	0.111	0.136	-22.5	108	0.02
36	C	4-Chloro-3-methylphenol	0.370	0.417	-12.7	98	0.00
37		2-Methylnaphthalene	0.713	0.713	0.0	91	-0.01
38		1-Methylnaphthalene	0.703	0.703	0.0	91	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.558	4.8	91	0.00
41	P	Hexachlorocyclopentadiene	0.186	0.174	6.5	88	-0.01
42	S	2,4,6-Tribromophenol	0.223	0.273	-22.4	112	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.377	-15.6	107	0.00
44		2,4,5-Trichlorophenol	0.362	0.428	-18.2	108	0.00
45	S	2-Fluorobiphenyl	1.310	1.238	5.5	90	0.00
46		1,1'-Biphenyl	1.415	1.360	3.9	92	-0.01
47		2-Chloronaphthalene	1.102	1.067	3.2	93	0.00

Sample Results: **BP021592.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.256	0.361	-41.0#	123	0.00
49		Acenaphthylene	1.619	1.609	0.6	95	0.00
50		Dimethylphthalate	1.339	1.381	-3.1	99	0.00
51		2,6-Dinitrotoluene	0.232	0.317	-36.6#	120	-0.01
52	C	Acenaphthene	1.063	1.108	-4.2	100	0.00
53		3-Nitroaniline	0.228	0.332	-45.6#	126	-0.01
54	P	2,4-Dinitrophenol	0.069	0.149	-115.9#	220#	0.00
55		Dibenzofuran	1.635	1.652	-1.0	97	0.00
56	P	4-Nitrophenol	0.195	0.307	-57.4#	148	0.00
57		2,4-Dinitrotoluene	0.284	0.455	-60.2#	138	0.00
58		Fluorene	1.343	1.339	0.3	96	0.00
59		2,3,4,6-Tetrachlorophenol	0.307	0.378	-23.1	112	0.00
60		Diethylphthalate	1.374	1.430	-4.1	99	-0.01
61		4-Chlorophenyl-phenylether	0.694	0.673	3.0	94	0.00
62		4-Nitroaniline	0.241	0.362	-50.2#	129	0.00
63		Azobenzene	1.689	1.523	9.8	86	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.01
65		4,6-Dinitro-2-methylphenol	0.054	0.096	-77.8#	194#	0.02
66	c	n-Nitrosodiphenylamine	0.536	0.508	5.2	99	-0.01
67		4-Bromophenyl-phenylether	0.212	0.196	7.5	99	-0.01
68		Hexachlorobenzene	0.250	0.235	6.0	98	0.00
69		Atrazine	0.184	0.147	20.1	81	-0.01
70	C	Pentachlorophenol	0.137	0.170	-24.1#	130	0.01
71		Phenanthrene	0.962	0.954	0.8	104	0.00
72		Anthracene	0.943	0.939	0.4	104	0.00
73		Carbazole	0.909	0.951	-4.6	107	0.01
74		Di-n-butylphthalate	1.116	1.157	-3.7	106	0.01
75	C	Fluoranthene	1.180	1.267	-7.4	111	0.01
76	I	Chrysene-d12	1.000	1.000	0.0	117	0.04
77		Benzidine	0.420	0.512	-21.9	126	0.00
78		Pyrene	1.307	1.288	1.5	117	0.02
79	S	Terphenyl-d14	1.029	0.947	8.0	110	0.01
80		Butylbenzylphthalate	0.437	0.538	-23.1	134	0.00
81		Benzo(a)anthracene	1.256	1.256	0.0	116	0.04
82		3,3'-Dichlorobenzidine	0.403	0.465	-15.4	127	0.01
83		Chrysene	1.185	1.189	-0.3	116	0.03
84		Bis(2-ethylhexyl)phthalate	0.742	0.828	-11.6	124	0.02
85	c	Di-n-octyl phthalate	1.199	1.470	-22.6#	138	0.01
86	I	Perylene-d12	1.000	1.000	0.0	121	0.07
87		Indeno(1,2,3-cd)pyrene	1.296	1.288	0.6	118	0.10
88		Benzo(b)fluoranthene	1.149	1.155	-0.5	121	0.05
89		Benzo(k)fluoranthene	1.121	1.078	3.8	115	0.05
90	C	Benzo(a)pyrene	0.997	0.999	-0.2	120	0.07
91		Dibenzo(a,h)anthracene	1.077	1.069	0.7	118	0.09
92		Benzo(g,h,i)perylene	1.080	1.079	0.1	119	0.15

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 3

Sample Results: **BP021592.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	90	0.00
2		1,4-Dioxane	40.000	35.937	10.2	80	0.00
3		Pyridine	40.000	36.141	9.6	80	0.01
4		n-Nitrosodimethylamine	40.000	37.833	5.4	85	0.00
5	S	2-Fluorophenol	80.000	82.321	-2.9	92	0.01
6		Aniline	40.000	36.394	9.0	81	0.00
7	S	Phenol-d6	80.000	80.509	-0.6	90	0.00
8		2-Chlorophenol	40.000	42.802	-7.0	96	0.00
9		Benzaldehyde	40.000	34.700	13.2	82	0.00
10	C	Phenol	40.000	39.444	1.4	88	0.01
11		bis(2-Chloroethyl)ether	40.000	35.234	11.9	80	0.00
12		1,3-Dichlorobenzene	40.000	39.503	1.2	90	0.00
13	C	1,4-Dichlorobenzene	40.000	39.653	0.9	90	0.00
14		1,2-Dichlorobenzene	40.000	39.353	1.6	90	0.00
15		Benzyl Alcohol	40.000	38.053	4.9	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.001	12.5	80	0.00
17		2-Methylphenol	40.000	40.583	-1.5	91	0.00
18		Hexachloroethane	40.000	39.727	0.7	90	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	33.388	16.5	76	0.00
20		3+4-Methylphenols	40.000	42.089	-5.2	93	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	90	0.00
22		Acetophenone	40.000	38.102	4.7	86	0.00
23	S	Nitrobenzene-d5	80.000	87.029	-8.8	93	0.00
24		Nitrobenzene	40.000	40.964	-2.4	88	0.00
25		Isophorone	40.000	35.261	11.8	80	0.00
26	C	2-Nitrophenol	40.000	56.798	-42.0#	158	0.00
27		2,4-Dimethylphenol	40.000	40.790	-2.0	92	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.190	9.5	83	0.00
29	C	2,4-Dichlorophenol	40.000	45.336	-13.3	100	0.00
30		1,2,4-Trichlorobenzene	40.000	39.317	1.7	89	0.00
31		Naphthalene	40.000	39.970	0.1	91	0.00
32		Benzoic acid	40.000	64.978	-62.4#	192	0.02
33		4-Chloroaniline	40.000	41.616	-4.0	93	0.00
34	C	Hexachlorobutadiene	40.000	38.130	4.7	86	0.00
35		Caprolactam	40.000	48.925	-22.3	108	0.02
36	C	4-Chloro-3-methylphenol	40.000	45.052	-12.6	98	0.00
37		2-Methylnaphthalene	40.000	39.970	0.1	91	-0.01
38		1-Methylnaphthalene	40.000	39.995	0.0	91	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.094	4.8	91	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.390	6.5	88	-0.01
42	S	2,4,6-Tribromophenol	80.000	98.133	-22.7	112	0.00
43	C	2,4,6-Trichlorophenol	40.000	46.343	-15.9	107	0.00
44		2,4,5-Trichlorophenol	40.000	47.290	-18.2	108	0.00
45	S	2-Fluorobiphenyl	80.000	75.582	5.5	90	0.00
46		1,1'-Biphenyl	40.000	38.444	3.9	92	-0.01
47		2-Chloronaphthalene	40.000	38.735	3.2	93	0.00

Sample Results: **BP021592.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.878	-17.2	123	0.00
49		Acenaphthylene	40.000	39.740	0.6	95	0.00
50		Dimethylphthalate	40.000	41.239	-3.1	99	0.00
51		2,6-Dinitrotoluene	40.000	47.006	-17.5	120	-0.01
52	C	Acenaphthene	40.000	41.720	-4.3	100	0.00
53		3-Nitroaniline	40.000	49.787	-24.5	126	-0.01
54	P	2,4-Dinitrophenol	40.000	68.565	-71.4#	220	0.00
55		Dibenzofuran	40.000	40.431	-1.1	97	0.00
56	P	4-Nitrophenol	40.000	56.857	-42.1#	148	0.00
57		2,4-Dinitrotoluene	40.000	52.475	-31.2#	138	0.00
58		Fluorene	40.000	39.883	0.3	96	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	49.225	-23.1	112	0.00
60		Diethylphthalate	40.000	41.619	-4.0	99	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.791	3.0	94	0.00
62		4-Nitroaniline	40.000	52.720	-31.8#	129	0.00
63		Azobenzene	40.000	36.052	9.9	86	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.01
65		4,6-Dinitro-2-methylphenol	40.000	59.143	-47.9#	194	0.02
66	c	n-Nitrosodiphenylamine	40.000	37.876	5.3	99	-0.01
67		4-Bromophenyl-phenylether	40.000	36.976	7.6	99	-0.01
68		Hexachlorobenzene	40.000	37.644	5.9	98	0.00
69		Atrazine	40.000	31.922	20.2	81	-0.01
70	C	Pentachlorophenol	40.000	49.701	-24.3#	130	0.01
71		Phenanthrene	40.000	39.667	0.8	104	0.00
72		Anthracene	40.000	39.819	0.5	104	0.00
73		Carbazole	40.000	41.855	-4.6	107	0.01
74		Di-n-butylphthalate	40.000	41.468	-3.7	106	0.01
75	C	Fluoranthene	40.000	42.956	-7.4	111	0.01
76	I	Chrysene-d12	20.000	20.000	0.0	117	0.04
77		Benzidine	40.000	44.381	-11.0	126	0.00
78		Pyrene	40.000	39.410	1.5	117	0.02
79	S	Terphenyl-d14	80.000	73.593	8.0	110	0.01
80		Butylbenzylphthalate	40.000	43.759	-9.4	134	0.00
81		Benzo(a)anthracene	40.000	40.017	-0.0	116	0.04
82		3,3'-Dichlorobenzidine	40.000	46.254	-15.6	127	0.01
83		Chrysene	40.000	40.110	-0.3	116	0.03
84		Bis(2-ethylhexyl)phthalate	40.000	44.643	-11.6	124	0.02
85	c	Di-n-octyl phthalate	40.000	45.395	-13.5	138	0.01
86	I	Perylene-d12	20.000	20.000	0.0	121	0.07
87		Indeno(1,2,3-cd)pyrene	40.000	39.744	0.6	118	0.10
88		Benzo(b)fluoranthene	40.000	40.214	-0.5	121	0.05
89		Benzo(k)fluoranthene	40.000	38.472	3.8	115	0.05
90	C	Benzo(a)pyrene	40.000	40.100	-0.3	120	0.07
91		Dibenzo(a,h)anthracene	40.000	39.693	0.8	118	0.09
92		Benzo(g,h,i)perylene	40.000	39.982	0.0	119	0.15

Sample Results: **BP021592.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021592.D
Acq On : 21 Aug 2024 10:10
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 10:57:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

QC SAMPLE DATA

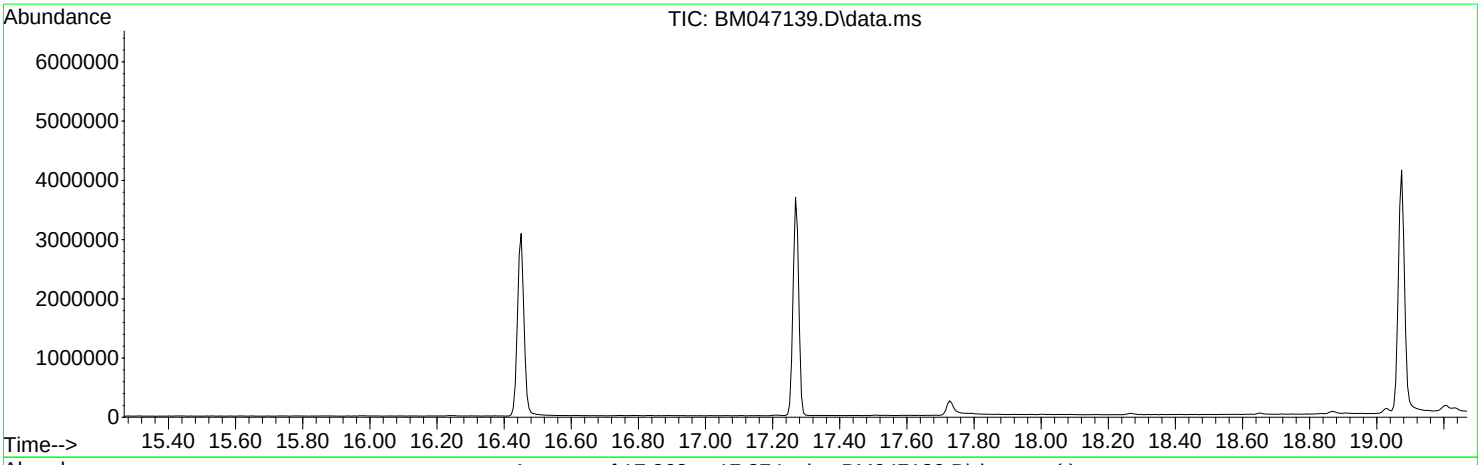
Sample Results: **BM047139.D**

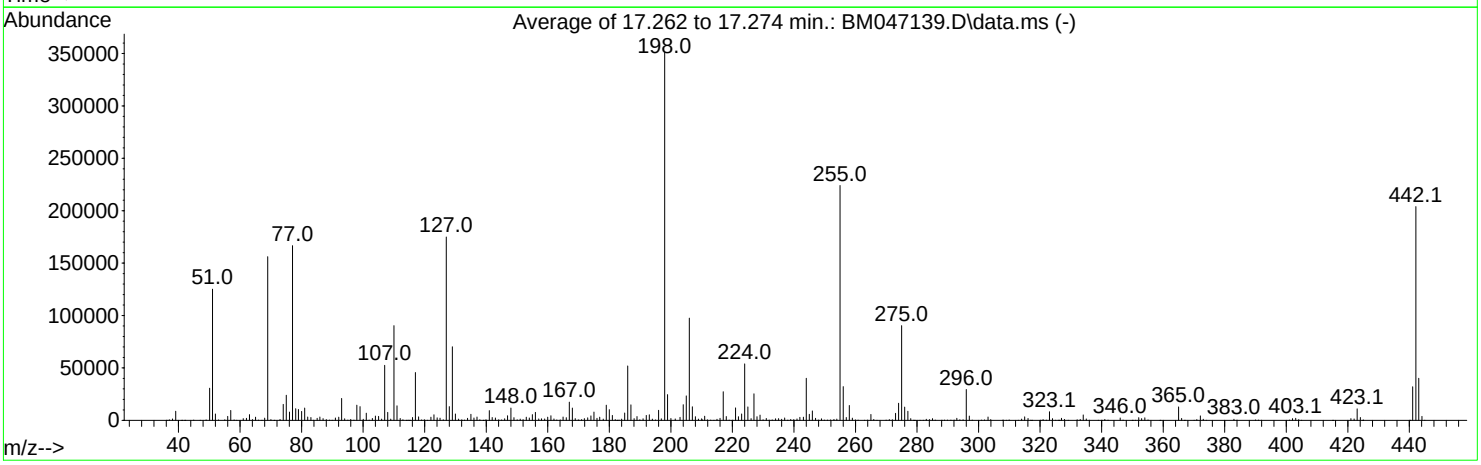
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Aug 11 23:47:58 2024





AutoFind: Scans 2444, 2445, 2446; Background Corrected with Scan 2437

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.7	125256	PASS
68	69	0.00	2	1.3	2089	PASS
69	198	0.00	100	44.5	156224	PASS
70	69	0.00	2	0.5	803	PASS
127	198	10	80	49.9	174976	PASS
197	198	0.00	2	0.4	1460	PASS
198	198	100	100	100.0	350933	PASS
199	198	5	9	7.0	24517	PASS
275	198	10	60	25.8	90373	PASS
365	198	1	100	3.6	12789	PASS
441	198	0.01	100	9.2	32133	PASS
442	442	50	100	100.0	203891	PASS
443	442	15	24	19.7	40160	PASS

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

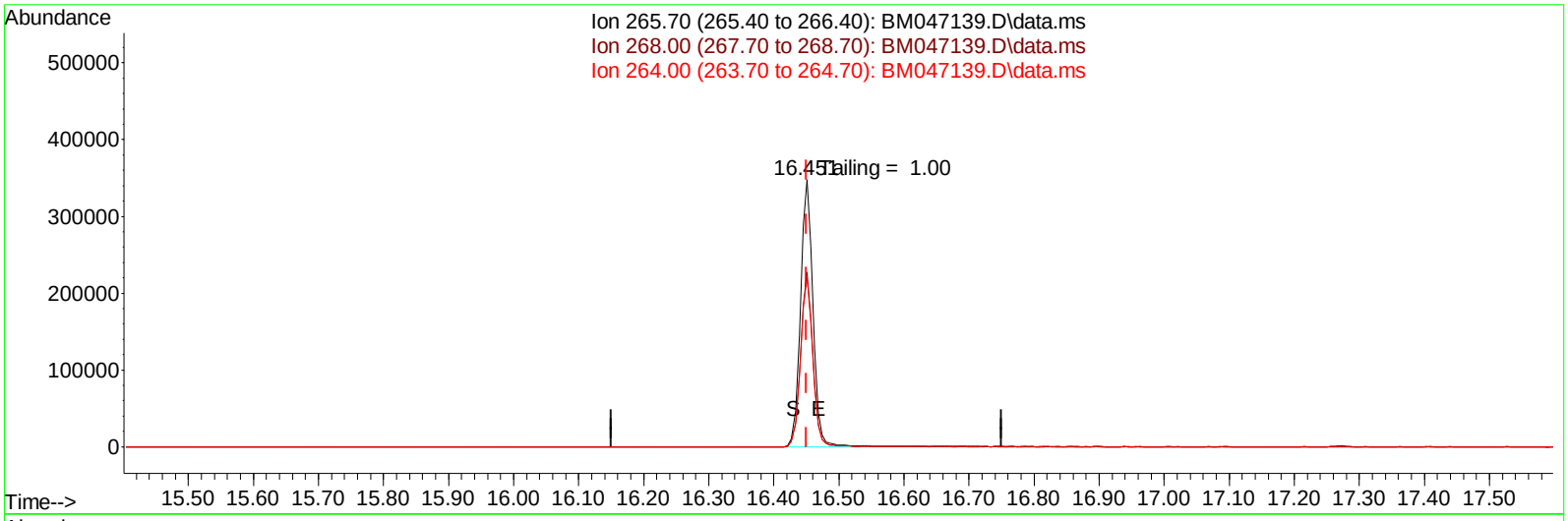
Date	Instrument Name	DFTPP Data File
8/10/2024	BNA_M	BM047139.D
Compound Name	**Response**	**Retention Time**
DDT	1324125	20.321
DDD	17903	19.927
DDE	740	19.362
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18643	1342768	1.39

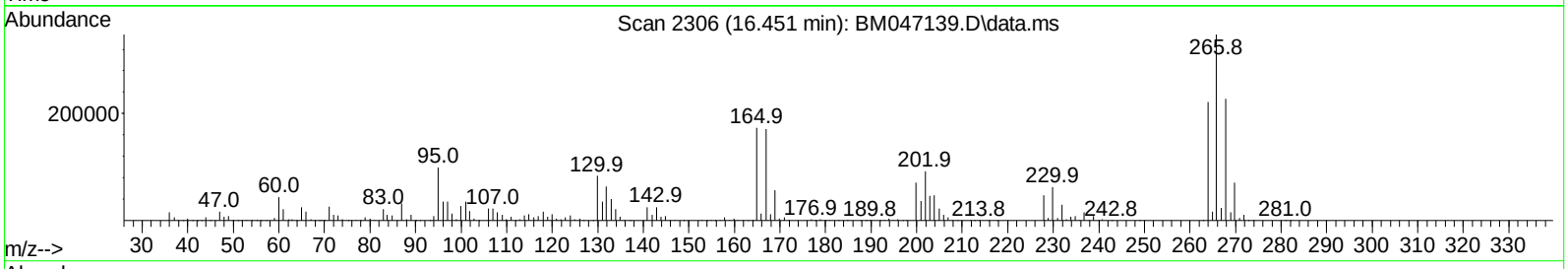
Sample Results: **BM047139.D**

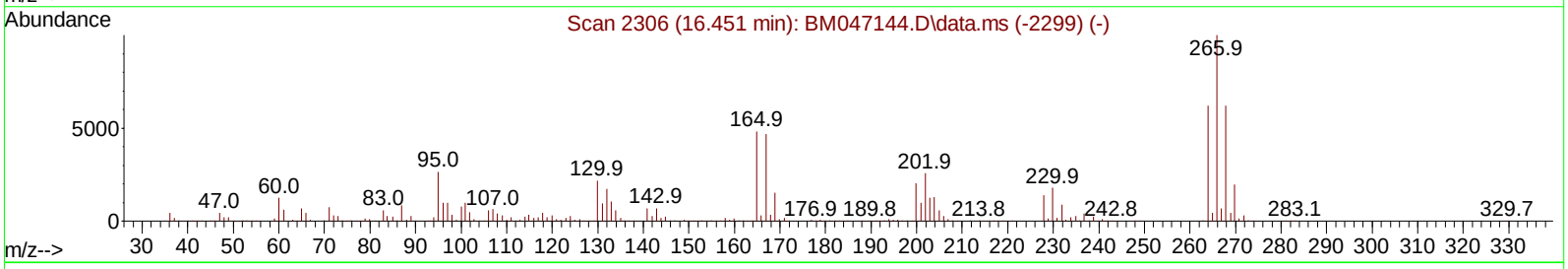
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 12 01:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration







TIC: BM047139.D\data.ms

(70) Pentachlorophenol (C)

16.451min (-0.000) 14982.60 ng

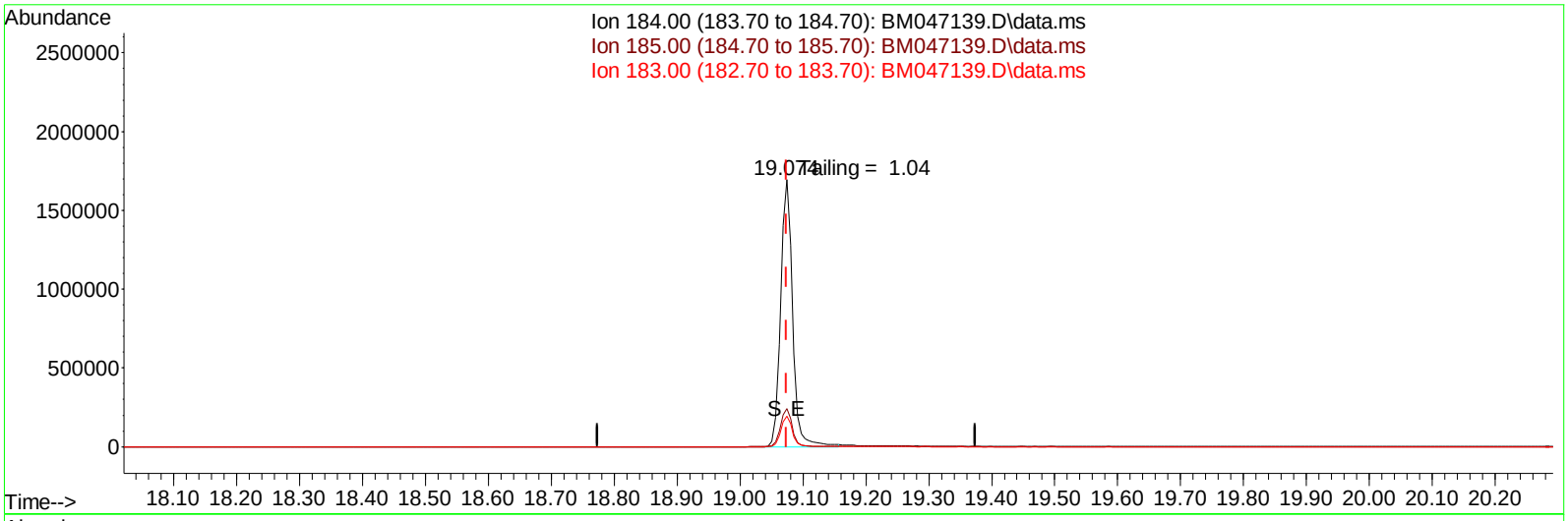
response 465922

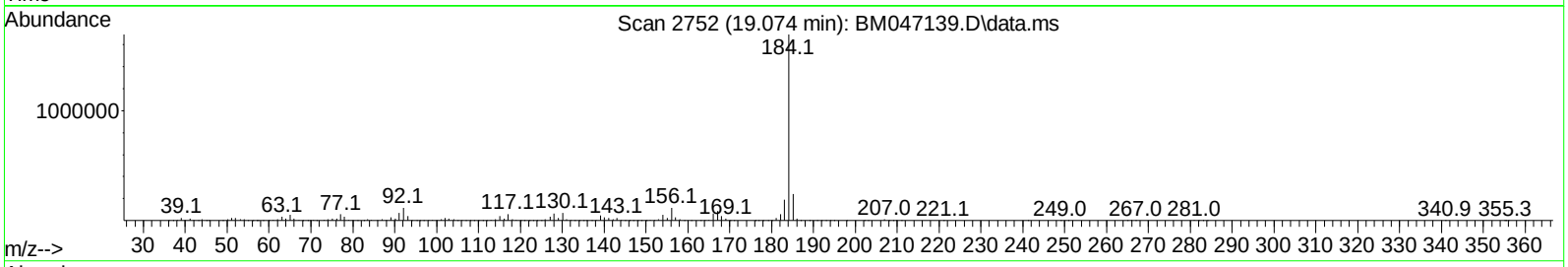
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.50
264.00	62.00	63.60
0.00	0.00	0.00

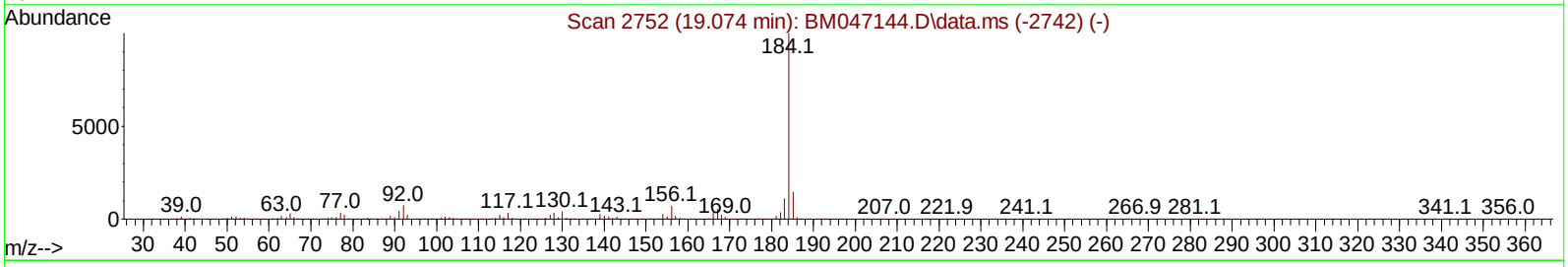
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 12 01:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration







TIC: BM047139.D\data.ms

(77) Benzidine

19.074min (-0.000) 6495.62 ng

response 2296747

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.34
183.00	11.30	11.36
0.00	0.00	0.00

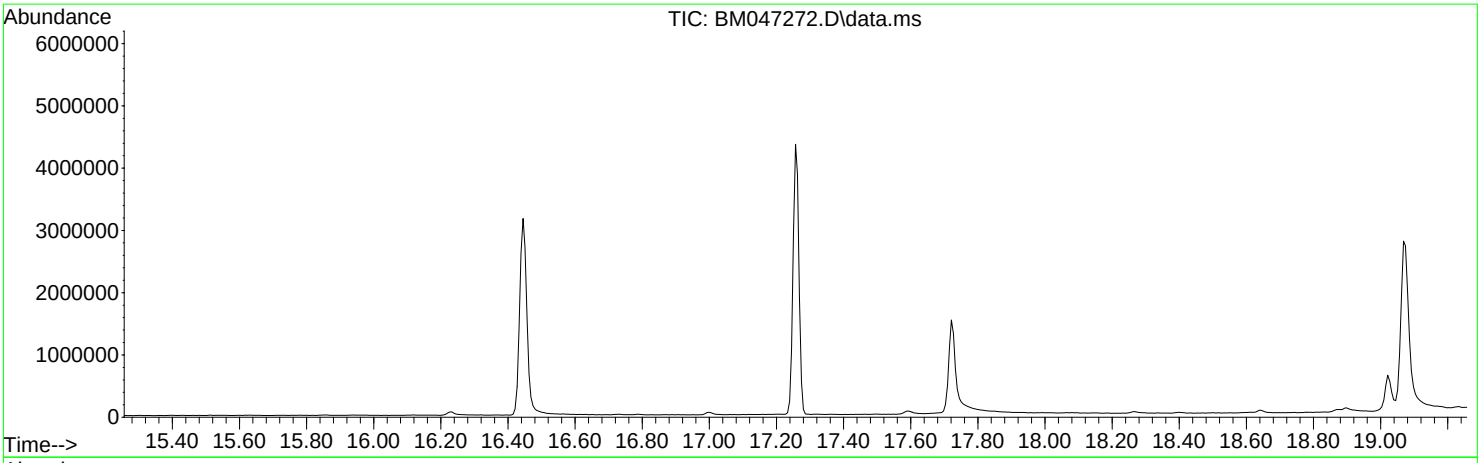
Sample Results: **BM047272.D**

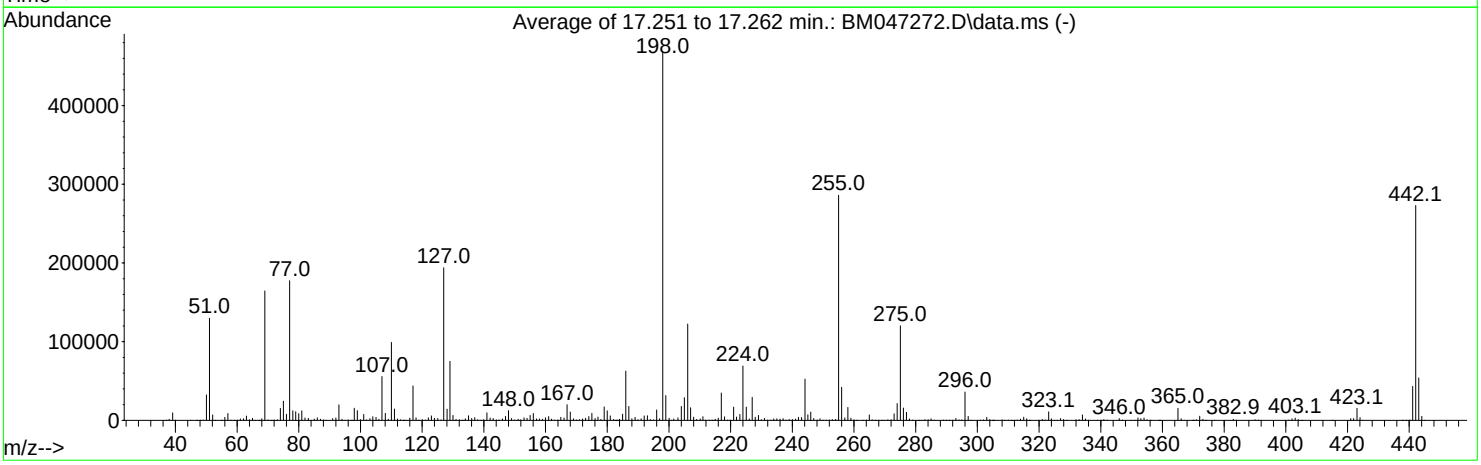
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047272.D
Acq On : 20 Aug 2024 15:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Aug 11 23:47:58 2024





AutoFind: Scans 2442, 2443, 2444; Background Corrected with Scan 2435

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.7	129703	PASS
68	69	0.00	2	1.3	2093	PASS
69	198	0.00	100	35.2	164504	PASS
70	69	0.00	2	0.4	648	PASS
127	198	10	80	41.5	193906	PASS
197	198	0.00	2	0.4	2004	PASS
198	198	100	100	100.0	467435	PASS
199	198	5	9	6.7	31467	PASS
275	198	10	60	25.7	120144	PASS
365	198	1	100	3.3	15332	PASS
441	198	0.01	100	9.2	43072	PASS
442	442	50	100	100.0	273109	PASS
443	442	15	24	19.8	53989	PASS

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

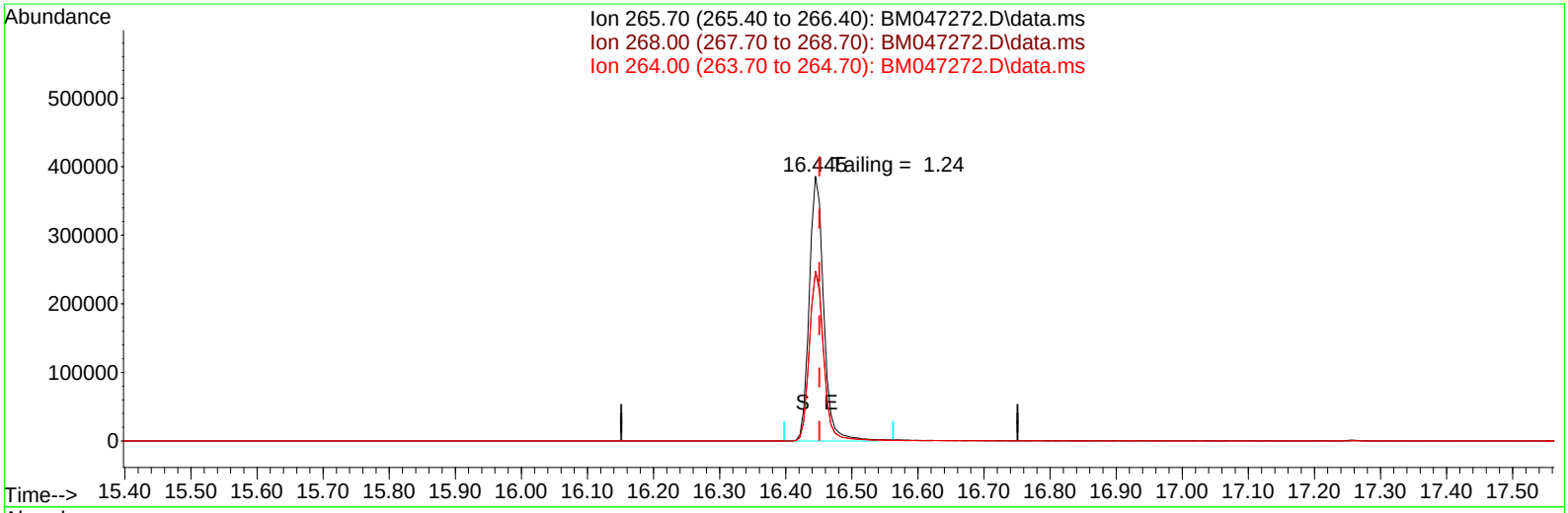
Date	Instrument Name	DFTPP Data File
8/20/2024	BNA_M	BM047272.D
Compound Name	**Response**	**Retention Time**
DDT	1424618	20.315
DDD	68922	19.874
DDE	3372	19.356
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
72294	1496912	4.83

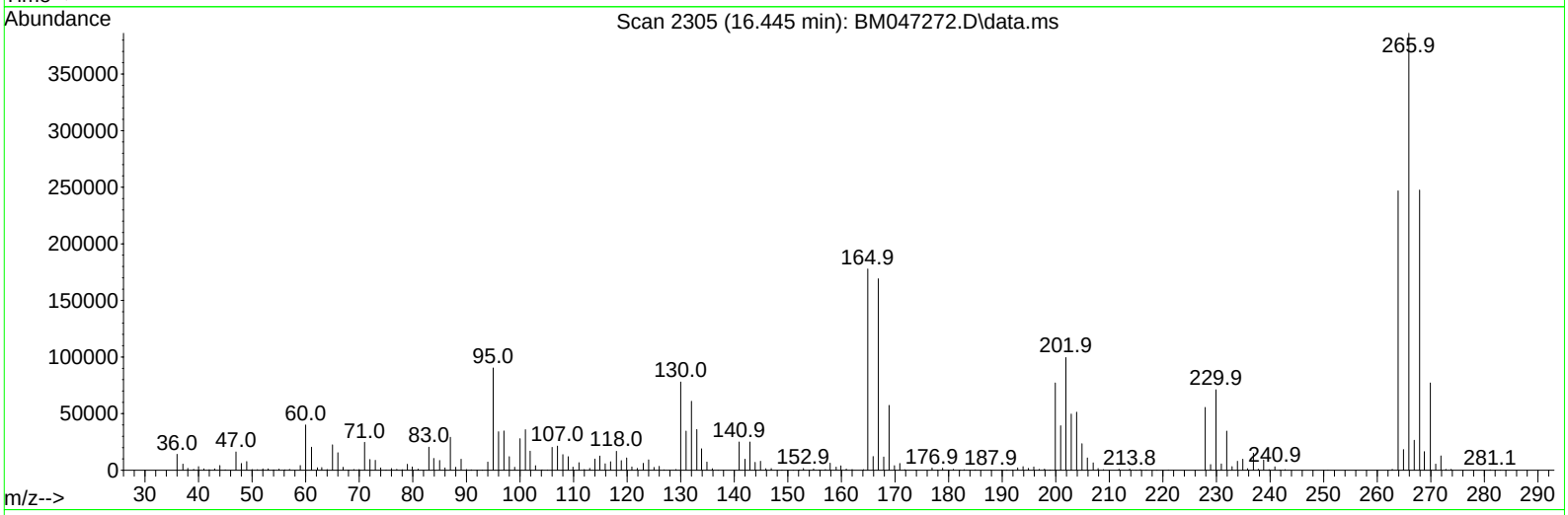
Sample Results: **BM047272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047272.D
Acq On : 20 Aug 2024 15:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:33:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration





TIC: BM047272.D\data.ms

(70) Pentachlorophenol (C)

16.445min (-0.006) 238508.50 ng

response 588500

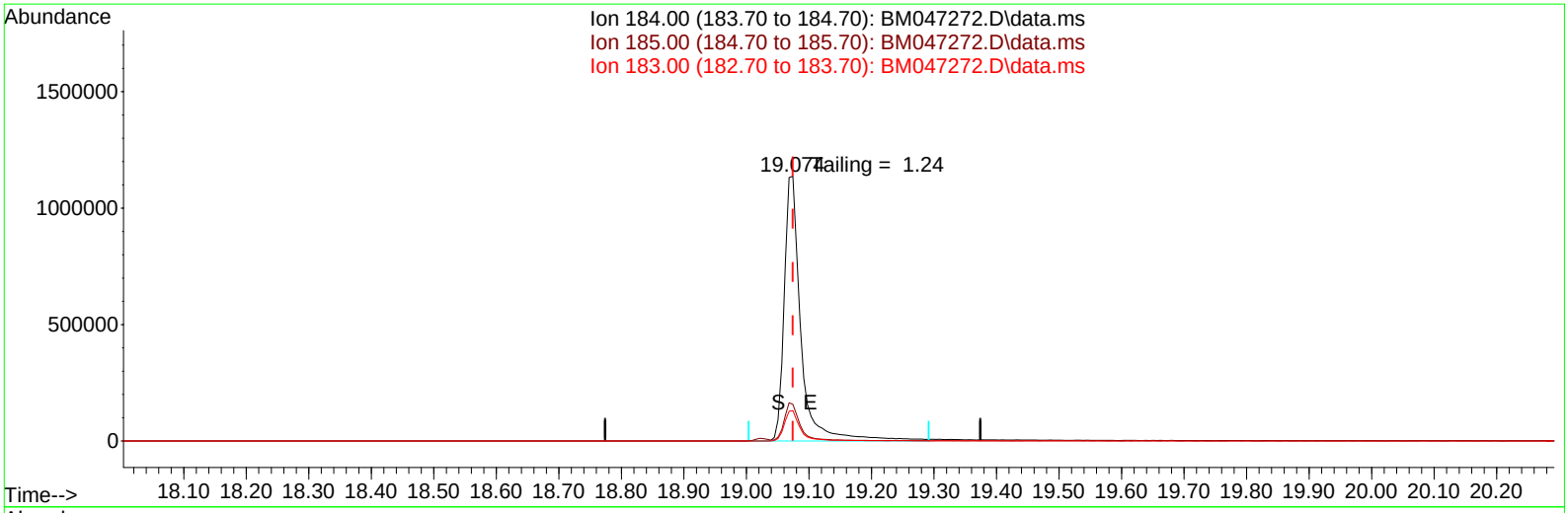
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.14
264.00	62.00	63.94
0.00	0.00	0.00

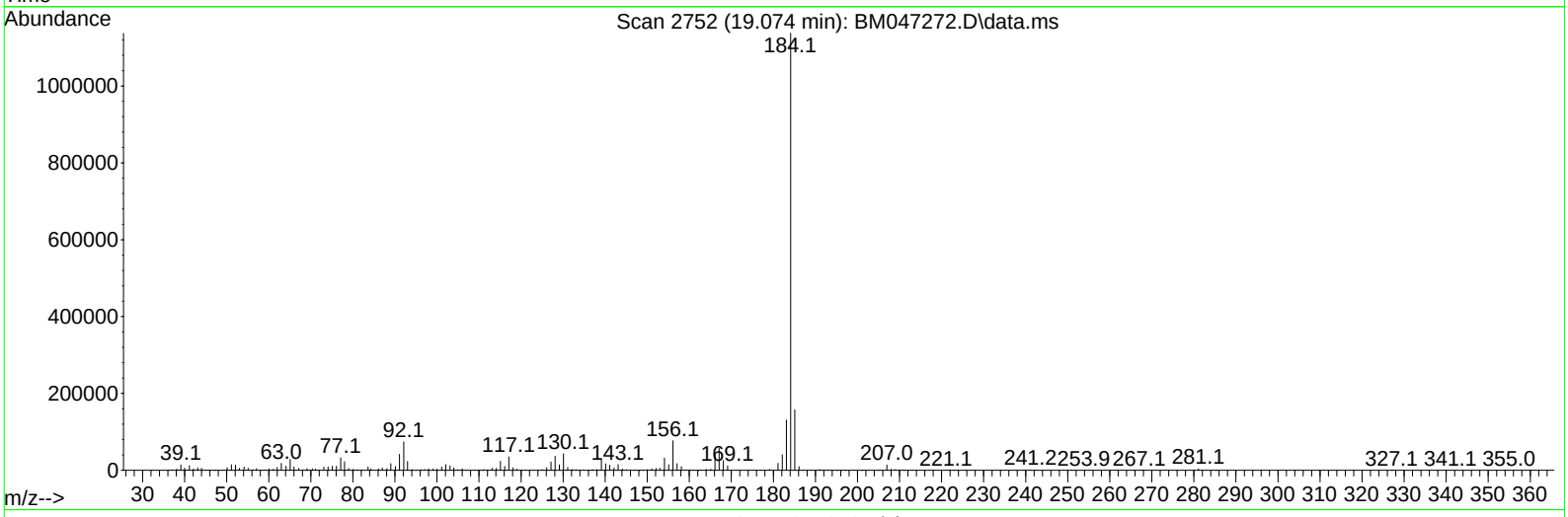
Sample Results: **BM047272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082024\
Data File : BM047272.D
Acq On : 20 Aug 2024 15:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:33:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration





TIC: BM047272.D\data.ms

(77) Benzidine

19.074min (-0.000) 24392.62 ng

response 2127873

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	13.84
183.00	11.30	11.50
0.00	0.00	0.00

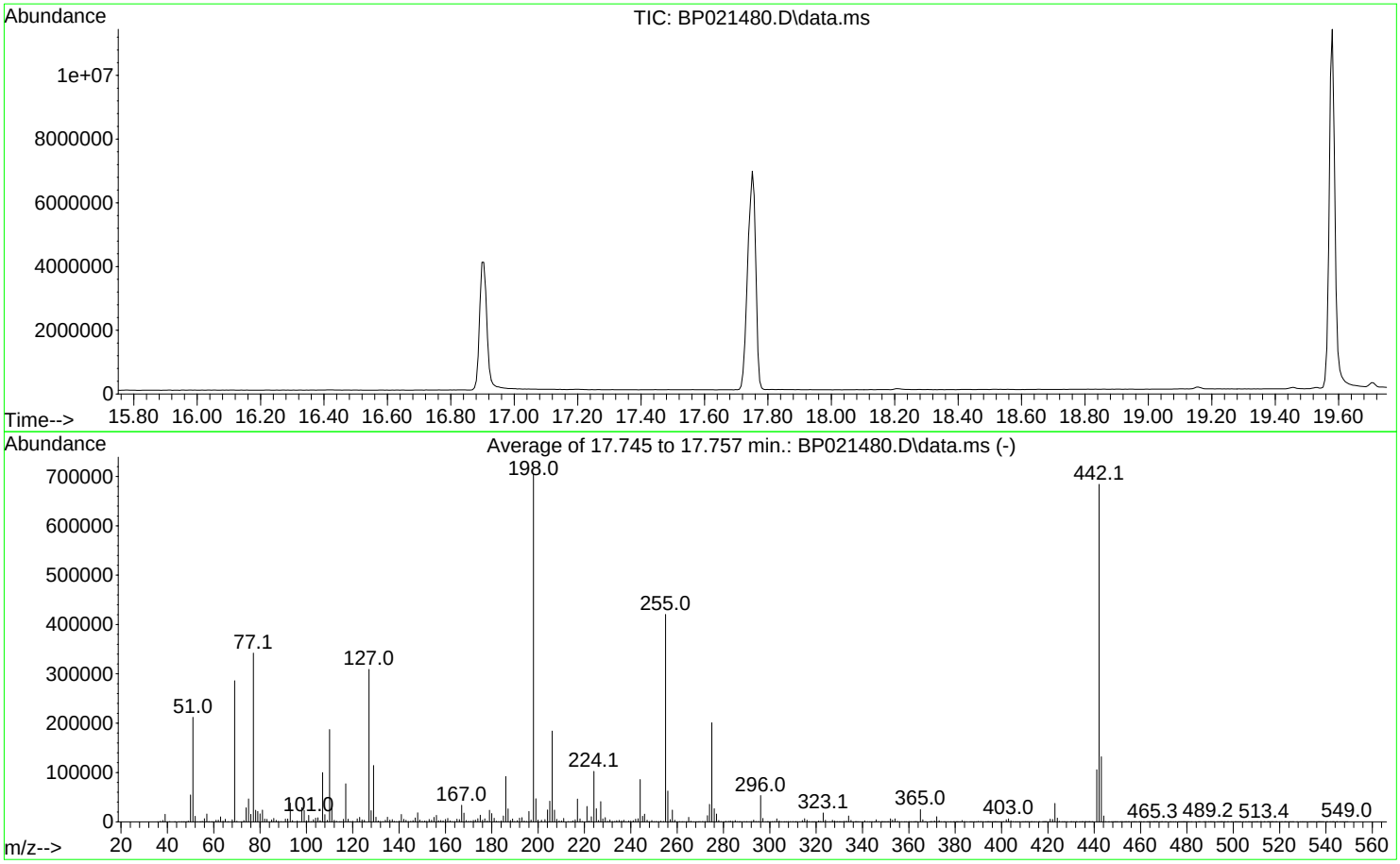
Sample Results: **BP021480.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024



AutoFind: Scans 2509, 2510, 2511; Background Corrected with Scan 2499

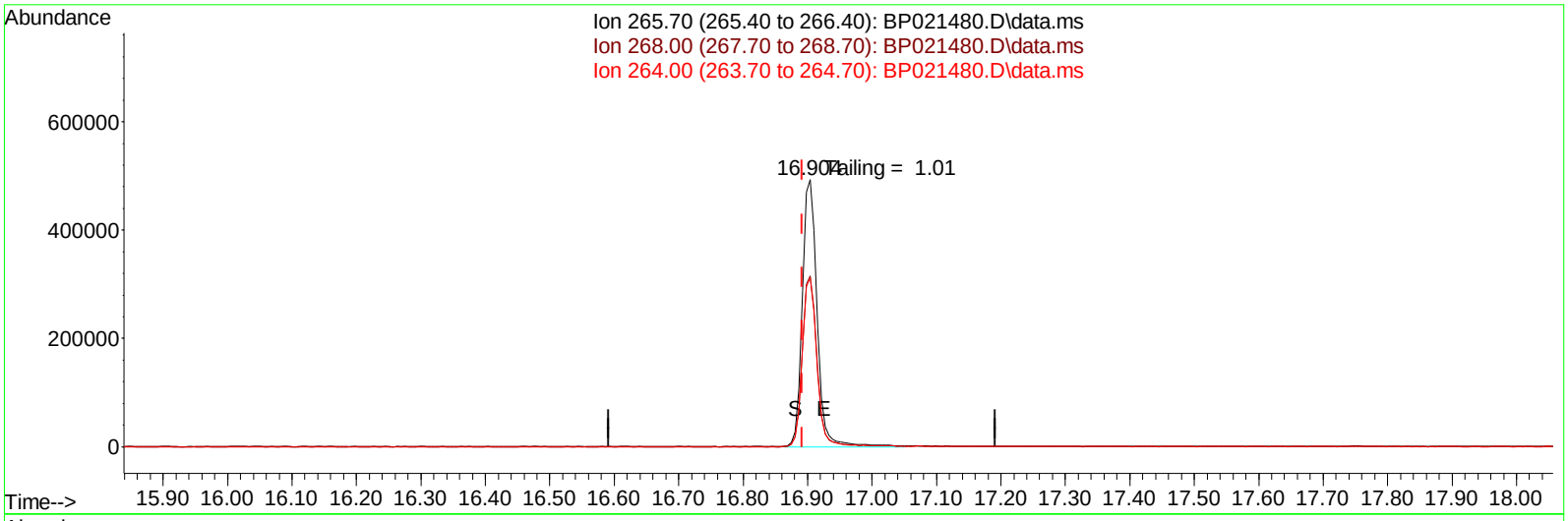
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.1	212028	PASS
68	69	0.00	2	1.5	4256	PASS
69	198	0.00	100	40.6	286100	PASS
70	69	0.00	2	0.4	1197	PASS
127	198	10	80	43.9	309160	PASS
197	198	0.00	2	0.5	3666	PASS
198	198	100	100	100.0	704123	PASS
199	198	5	9	6.6	46731	PASS
275	198	10	60	28.5	200892	PASS
365	198	1	100	3.5	24968	PASS
441	198	0.01	100	15.0	105600	PASS
442	442	100	100	100.0	684335	PASS
443	442	15	24	19.3	131982	PASS

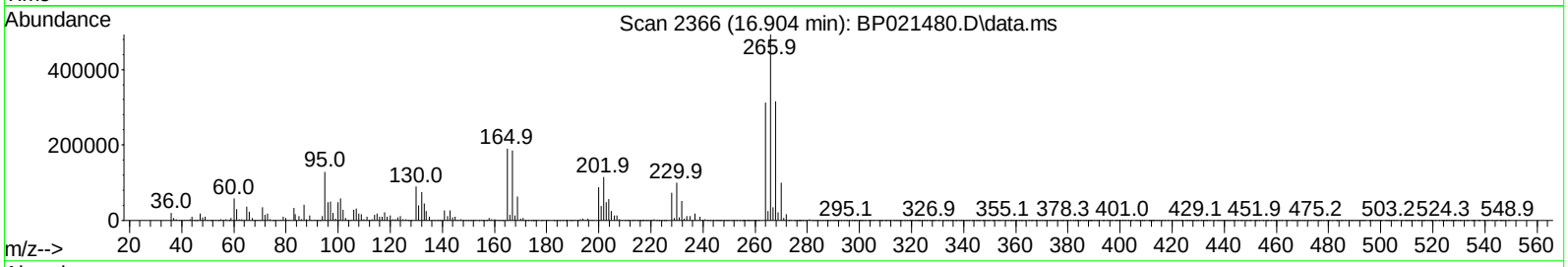
Sample Results: **BP021480.D**

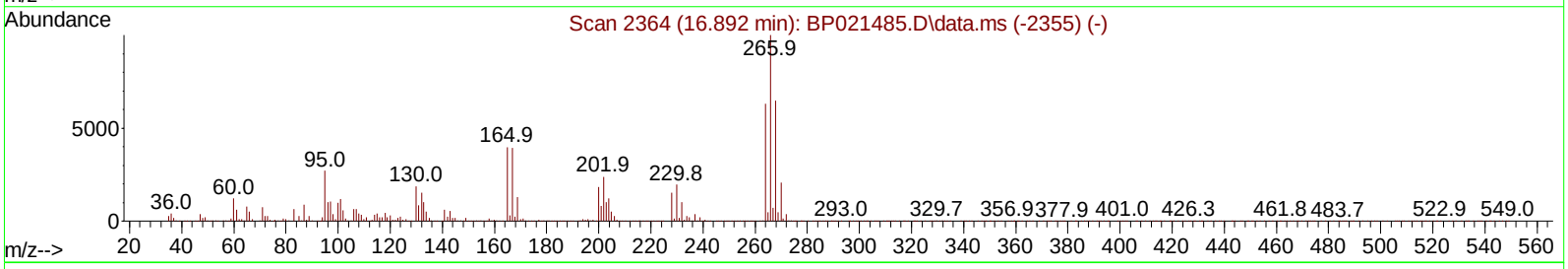
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(70) Pentachlorophenol (C)

16.904min (+ 0.012) 6855729.98 ng

response 795611

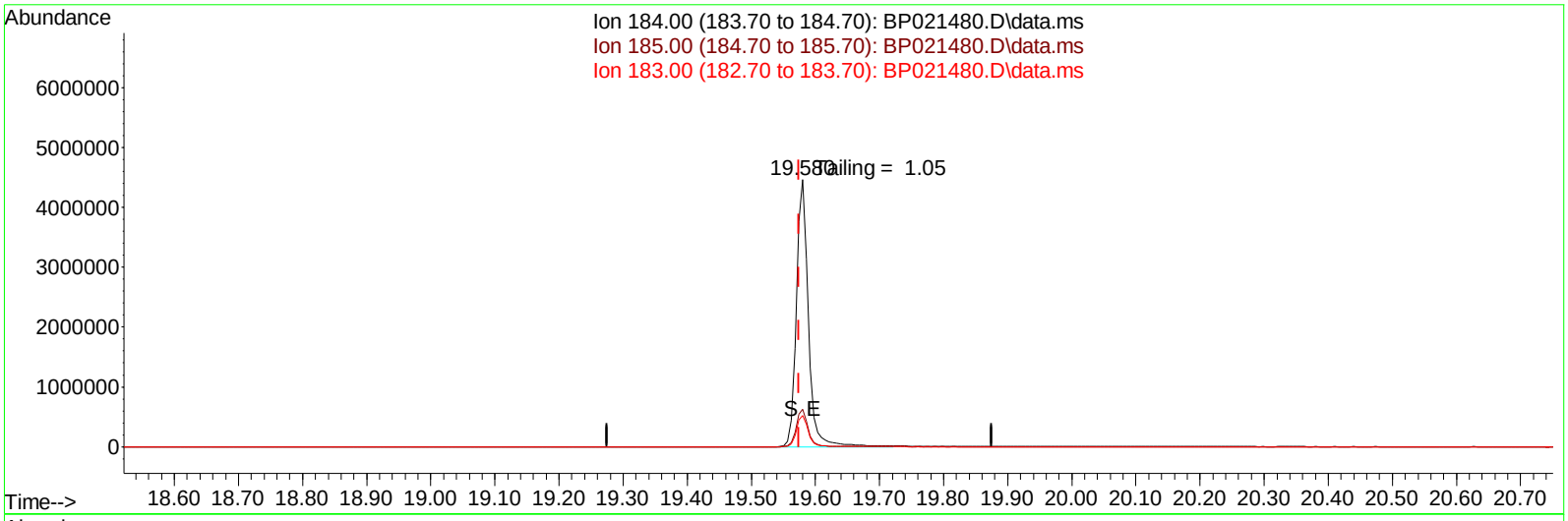
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	64.10
264.00	63.10	63.36
0.00	0.00	0.00

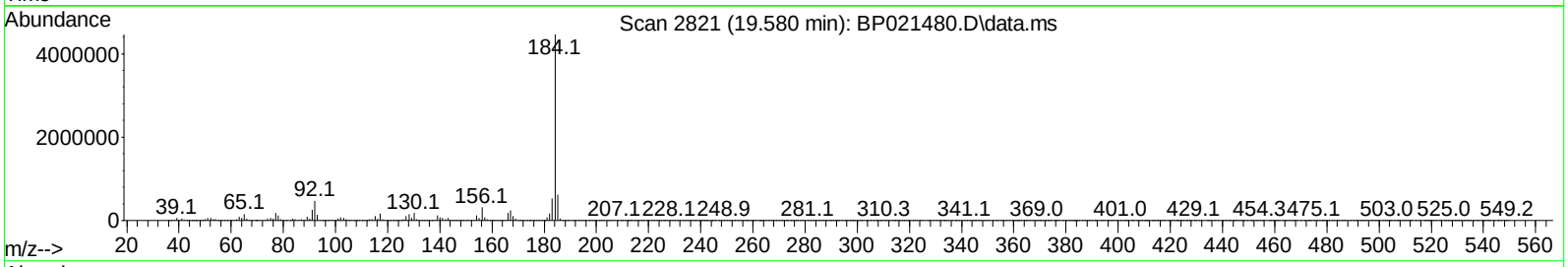
Sample Results: **BP021480.D**

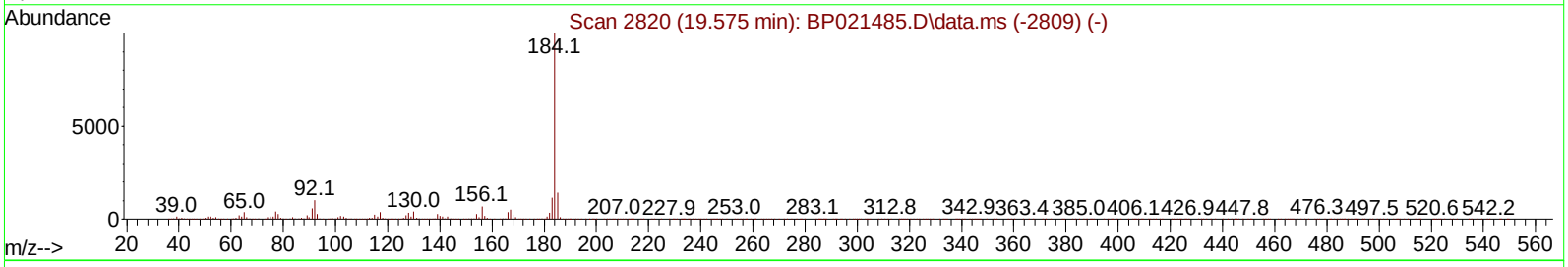
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(77) Benzidine

19.580min (+ 0.005) -20.00 ng

response 5830874

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.05
183.00	11.60	11.75
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/13/2024	BNA_P	BP021480.D
Compound Name	**Response**	**Retention Time**
DDT	2081689	20.88
DDD	17224	20.486
DDE	158	19.962
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17382	2099071	0.83

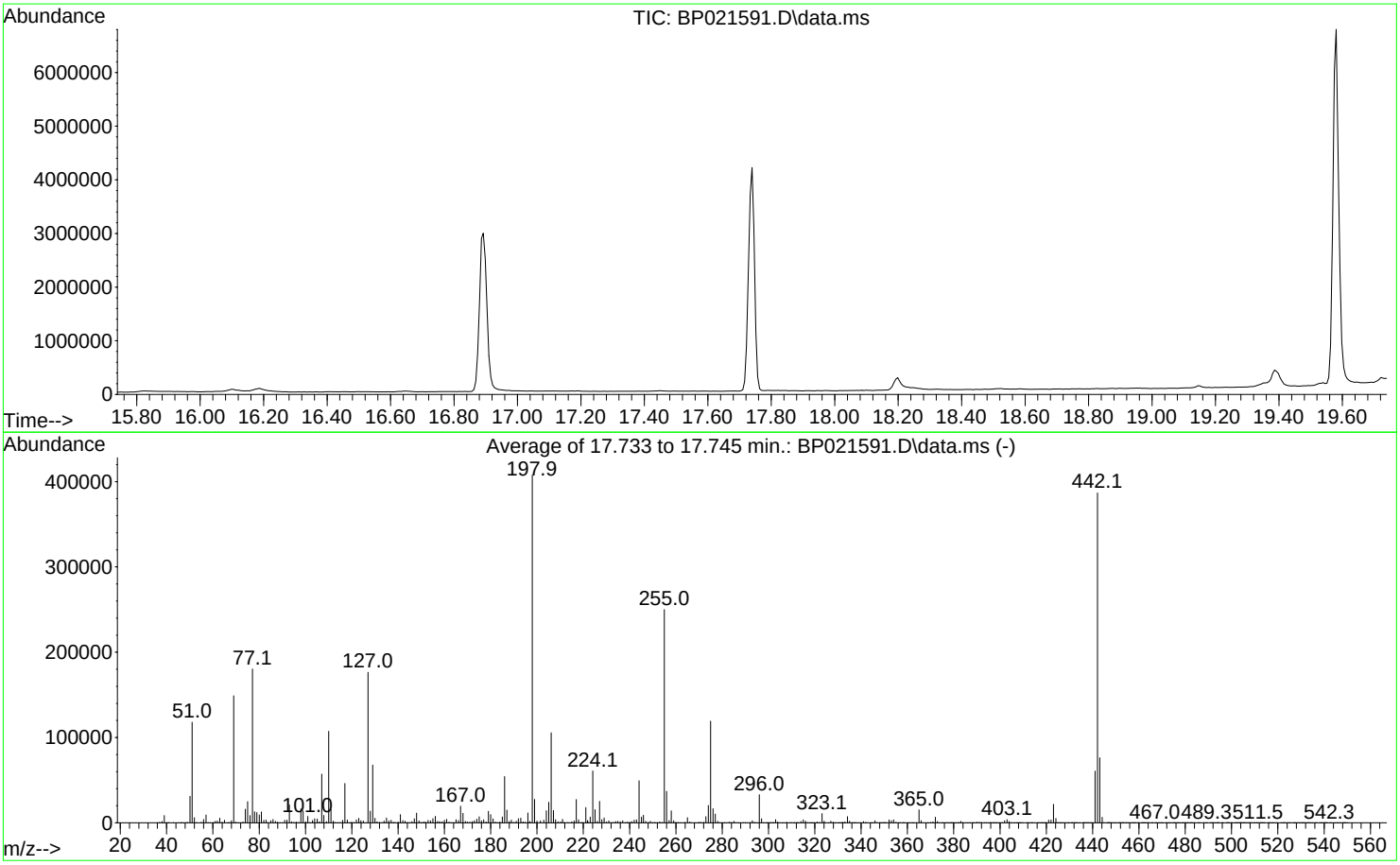
Sample Results: **BP021591.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021591.D
Acq On : 21 Aug 2024 09:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024



AutoFind: Scans 2507, 2508, 2509; Background Corrected with Scan 2493

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.9	117899	PASS
68	69	0.00	2	1.7	2470	PASS
69	198	0.00	100	36.5	148969	PASS
70	69	0.00	2	0.6	879	PASS
127	198	10	80	43.3	176509	PASS
197	198	0.00	2	0.3	1413	PASS
198	198	100	100	100.0	407755	PASS
199	198	5	9	6.7	27510	PASS
275	198	10	60	29.2	119232	PASS
365	198	1	100	3.7	15281	PASS
441	198	0.01	100	14.9	60589	PASS
442	442	100	100	100.0	386880	PASS
443	442	15	24	19.7	76245	PASS

Instrument :
BNA_P
ClientSampleId :
DFTPP

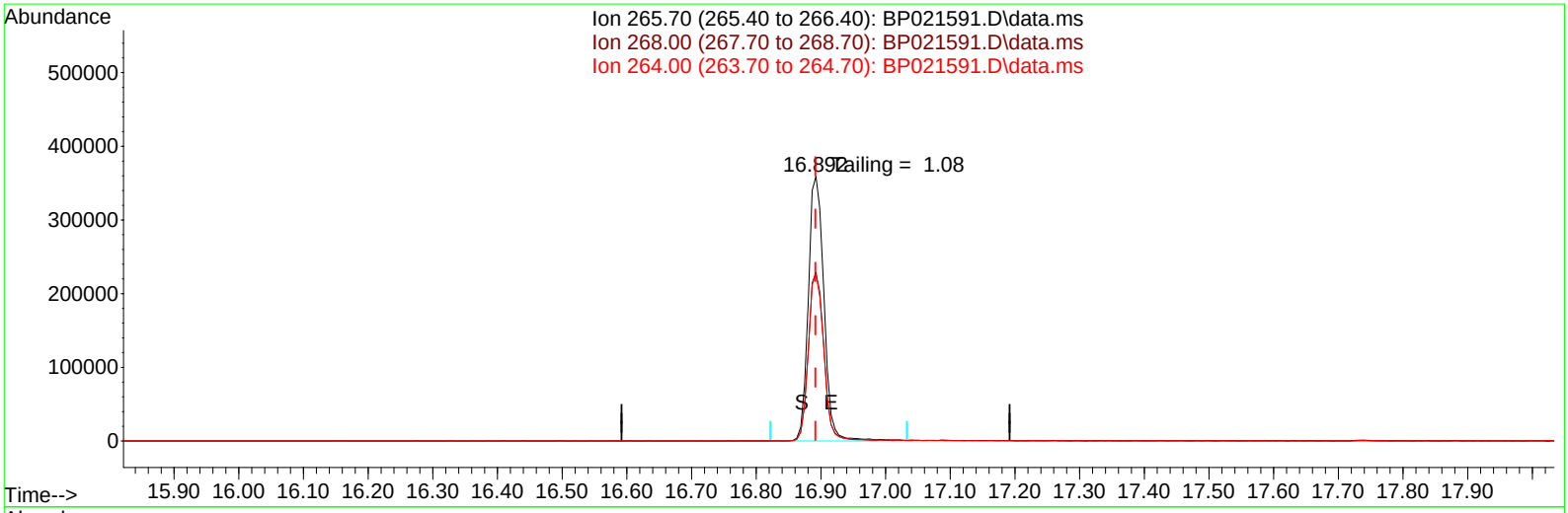
DDT Breakdown

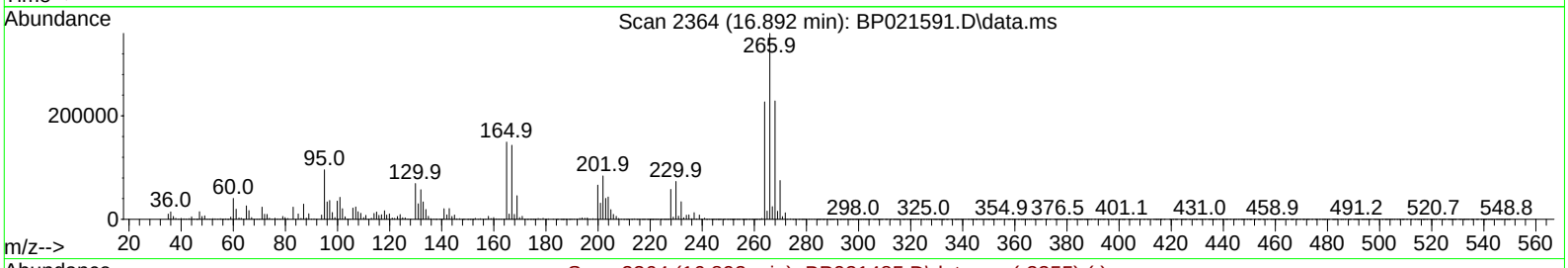
Date	Instrument Name	DFTPP Data File
8/21/2024	BNA_P	BP021591.D
Compound Name	**Response**	**Retention Time**
DDT	1571840	20.886
DDD	77683	20.416
DDE	1329	19.892
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
79012	1650852	4.79

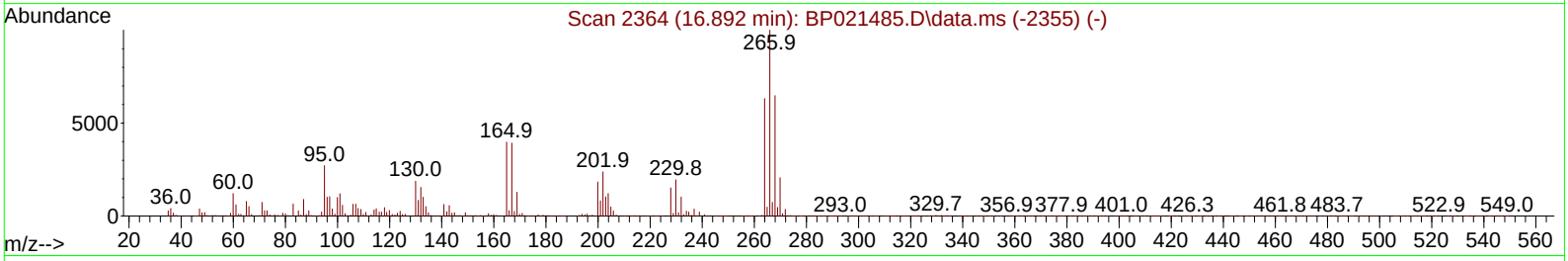
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021591.D
Acq On : 21 Aug 2024 09:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 18:32:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021591.D\data.ms

(70) Pentachlorophenol (C)

16.892min (+ 0.000) 350778.96 ng

response 605832

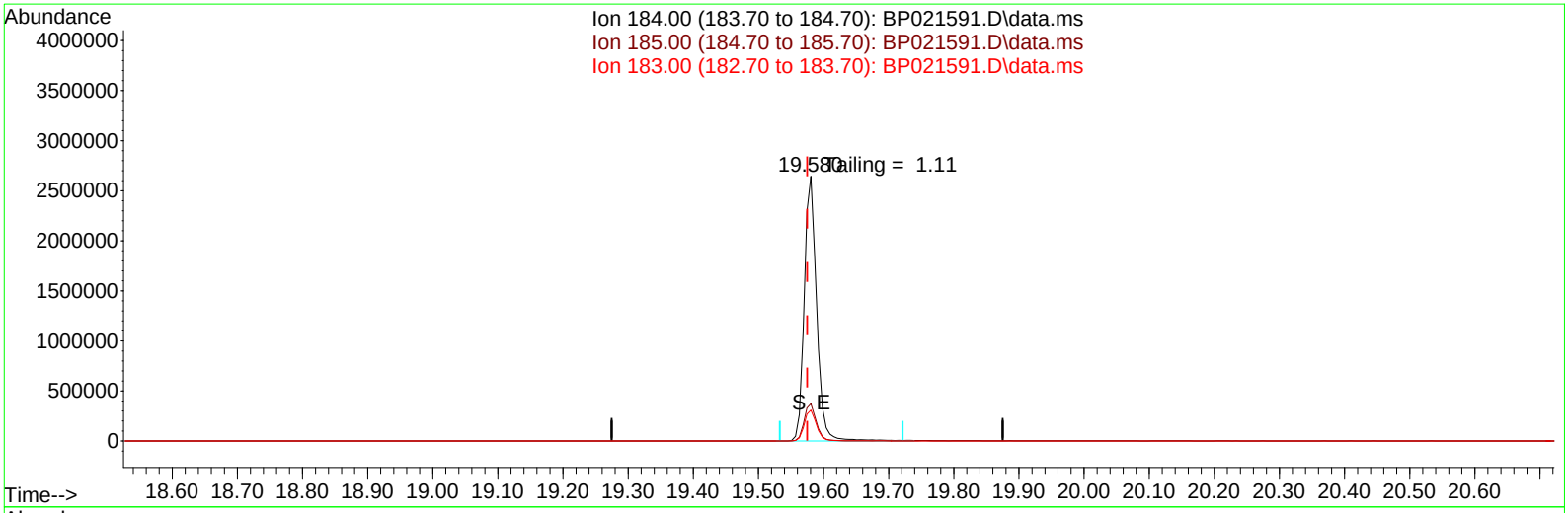
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	63.64
264.00	63.10	63.14
0.00	0.00	0.00

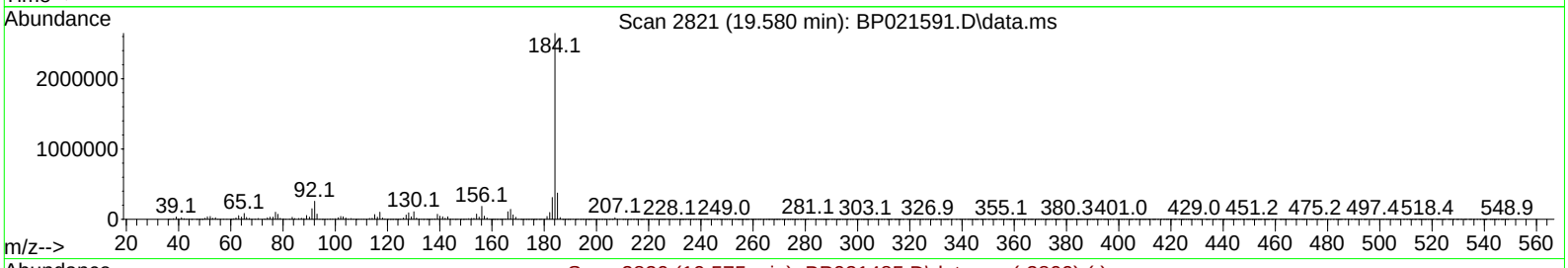
Sample Results: **BP021591.D**

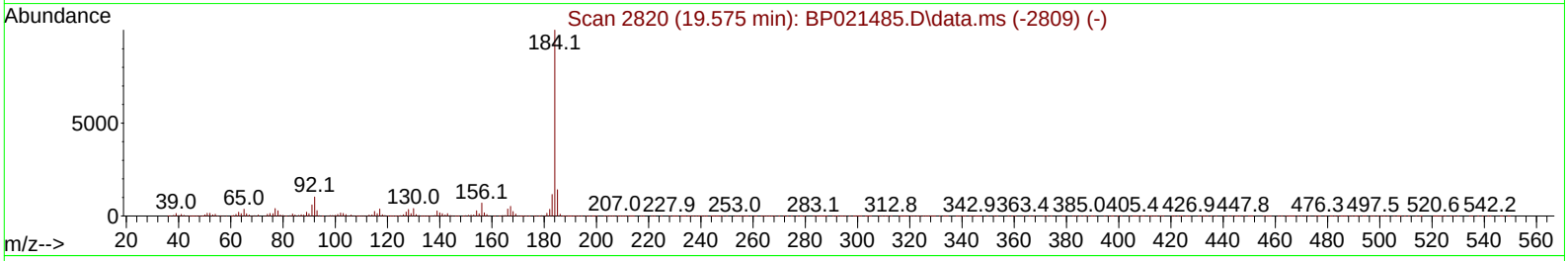
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021591.D
Acq On : 21 Aug 2024 09:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 18:32:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021591.D\data.ms

(77) Benzidine

19.580min (+ 0.005) -20.00 ng

response 3491621

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.10
183.00	11.60	11.72
0.00	0.00	0.00

Raw Data: **BP021593.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162788BL	SDG No.:	P3645
Lab Sample ID:	PB162788BL	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
BP021593.D	1	08/16/24 10:33	08/21/24 10:52	PB162788

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

Raw Data: **BP021593.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162788BL	SDG No.:	P3645
Lab Sample ID:	PB162788BL	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
BP021593.D	1	08/16/24 10:33	08/21/24 10:52	PB162788

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	128		15 (10) - 110 (139)	86%	SPK: 150
13127-88-3	Phenol-d6	115		15 (10) - 110 (134)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.2		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.7		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	80.5		30 (48) - 130 (125)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	378000	7.805			
1146-65-2	Naphthalene-d8	1460000	10.593			
15067-26-2	Acenaphthene-d10	911000	14.451			
1517-22-2	Phenanthrene-d10	2060000	17.263			
1719-03-5	Chrysene-d12	2130000	21.722			
1520-96-3	Perylene-d12	2480000	25.168			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021593.D
Acq On : 21 Aug 2024 10:52
Operator : RC/JU
Sample : PB162788BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Quant Time: Aug 21 11:19:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	378034	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1462908	20.000	ng	# 0.00
39) Acenaphthene-d10	14.451	164	910755	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2055959	20.000	ng	0.01
76) Chrysene-d12	21.722	240	2128573	20.000	ng	0.02
86) Perylene-d12	25.168	264	2476214	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	3269494	128.421	ng	0.01
7) Phenol-d6	6.969	99	4263263	114.792	ng	0.00
23) Nitrobenzene-d5	8.952	82	2556716	90.207	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1546323	152.552	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	4753254	79.651	ng	0.00
79) Terphenyl-d14	19.998	244	8820927	80.508	ng	0.02
Target Compounds						Qvalue

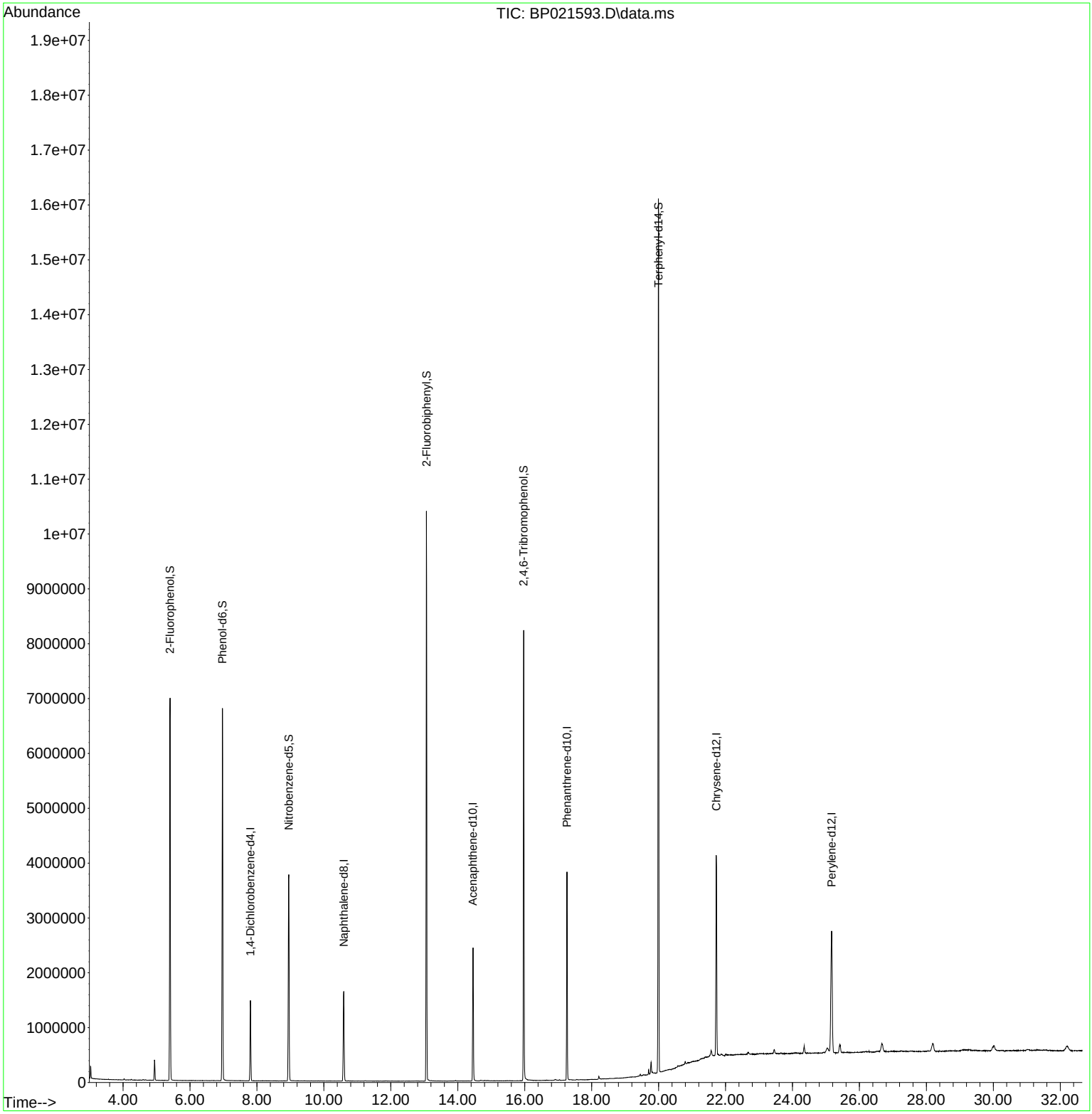
(#) = qualifier out of range (m) = manual integration (+) = signals summed

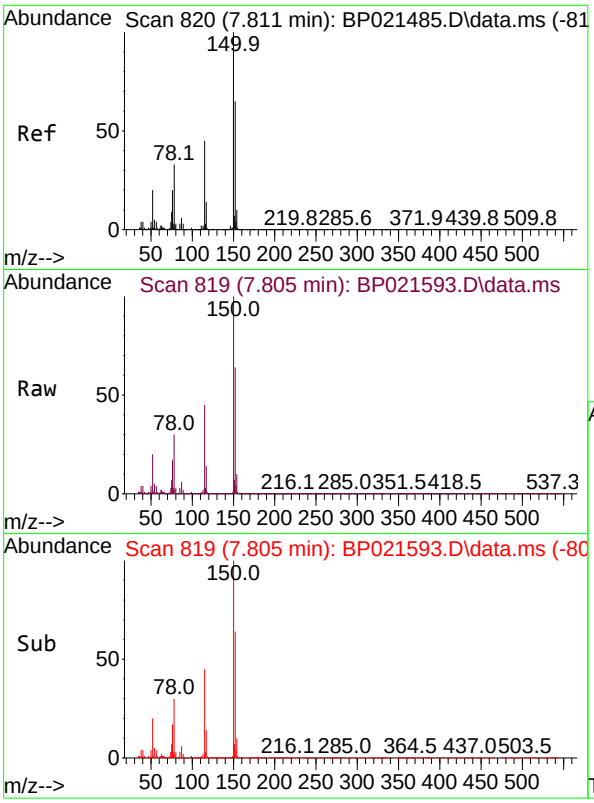
Sample Results: **BP021593.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021593.D
Acq On : 21 Aug 2024 10:52
Operator : RC/JU
Sample : PB162788BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Quant Time: Aug 21 11:19:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



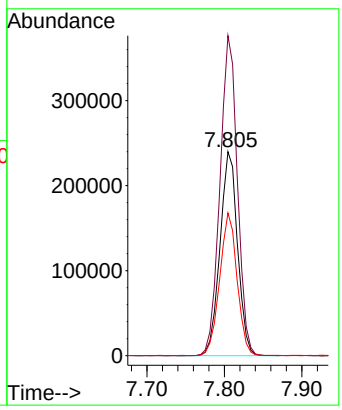


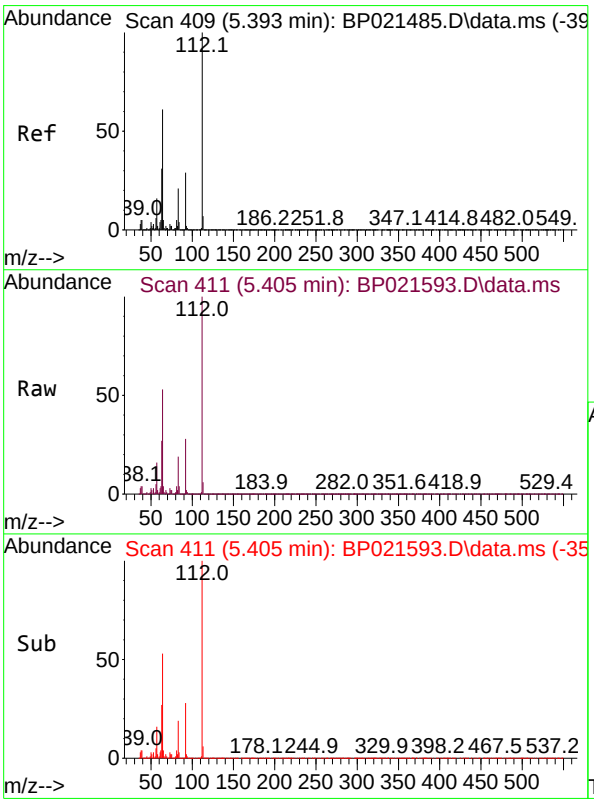
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Tgt Ion:152 Resp: 378034

Ion	Ratio	Lower	Upper
152	100		
150	156.8	122.4	183.6
115	69.9	54.7	82.1

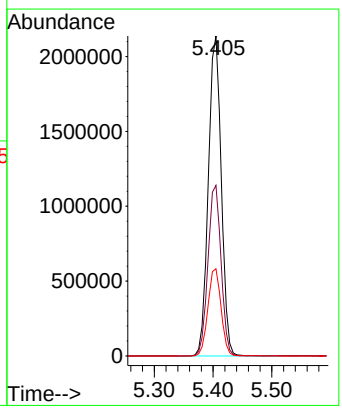


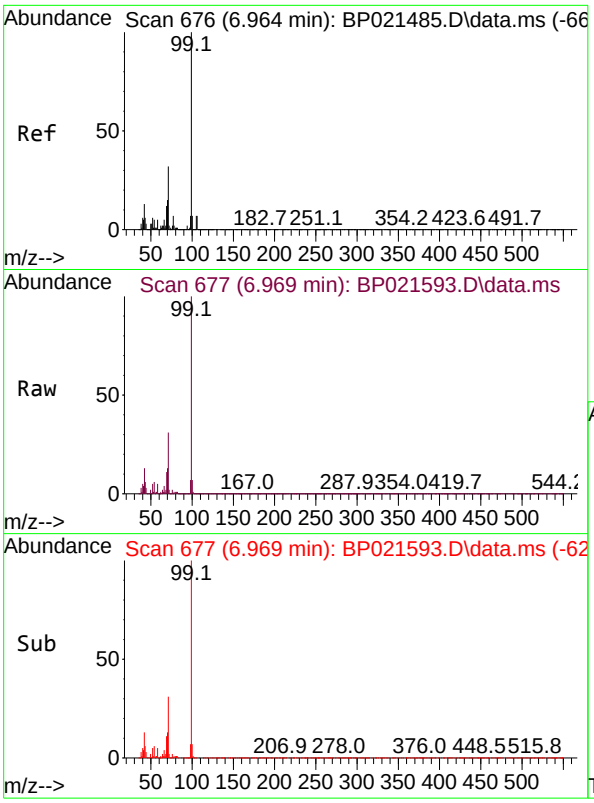


#5
2-Fluorophenol
Concen: 128.421 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Tgt Ion:112 Resp: 3269494

Ion	Ratio	Lower	Upper
112	100		
64	53.3	49.0	73.6
63	27.3	24.6	36.8



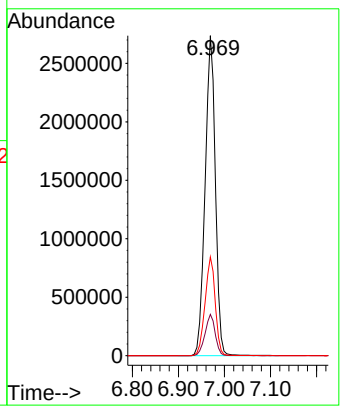


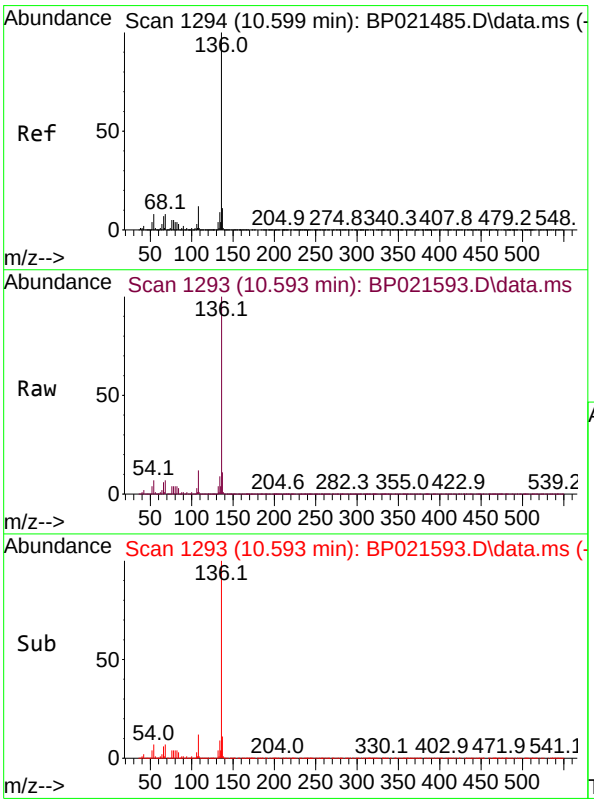
#7
Phenol-d6
Concen: 114.792 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Tgt Ion: 99 Resp: 4263263

Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.2	15.4
71	30.8	25.8	38.8

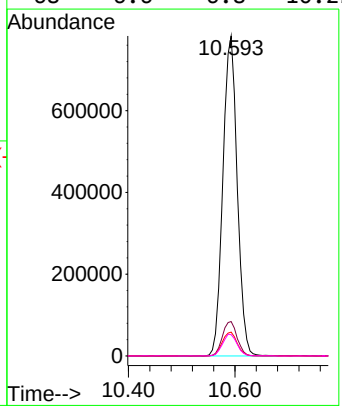


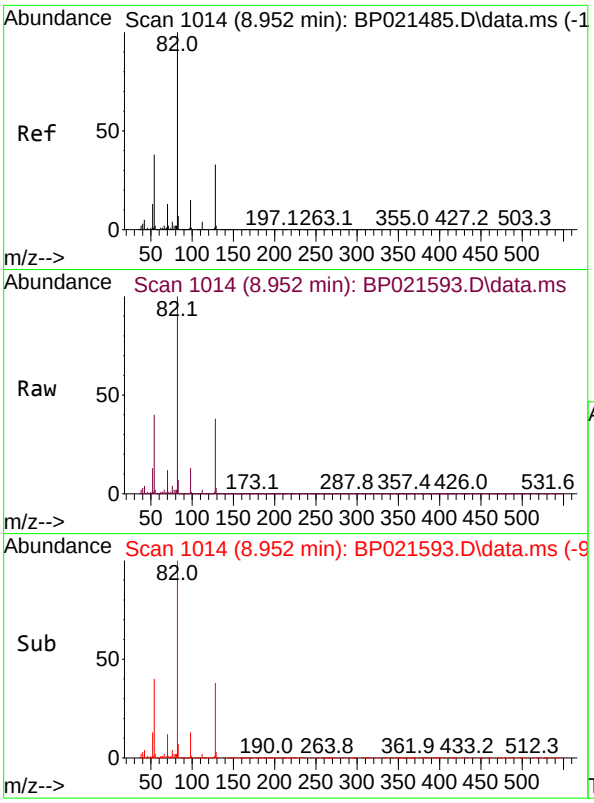


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Tgt Ion:136 Resp: 1462908

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.5	6.3	9.5
68	6.6	6.8	10.2#



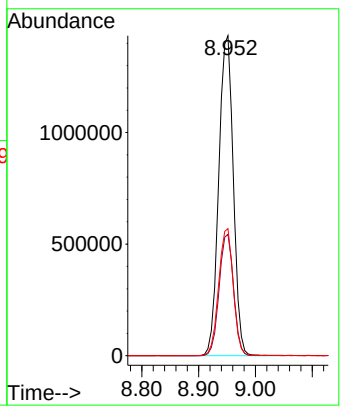


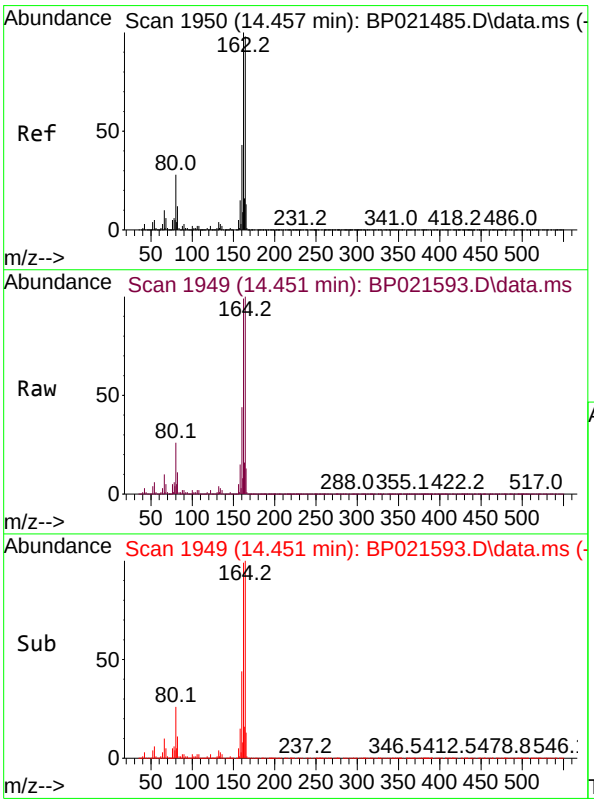
#23
Nitrobenzene-d5
Concen: 90.207 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Tgt Ion: 82 Resp: 2556716

Ion	Ratio	Lower	Upper
82	100		
128	37.9	26.5	39.7
54	39.7	30.3	45.5

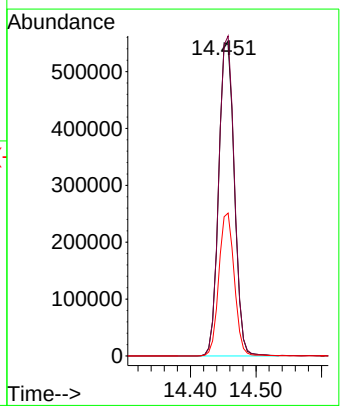


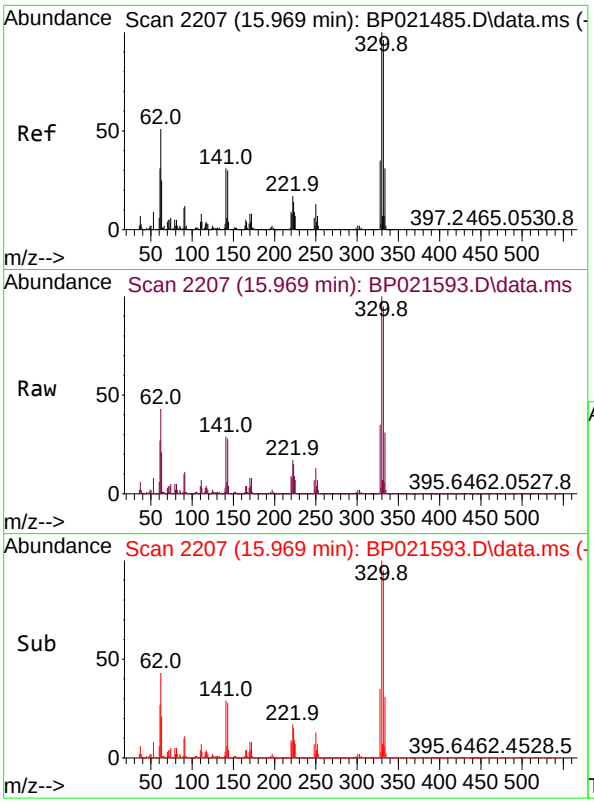


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Tgt Ion:164 Resp: 910755

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.5	122.3
160	44.5	35.2	52.8



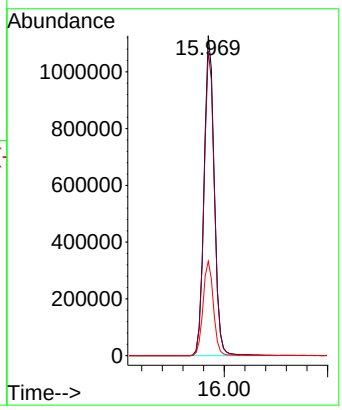


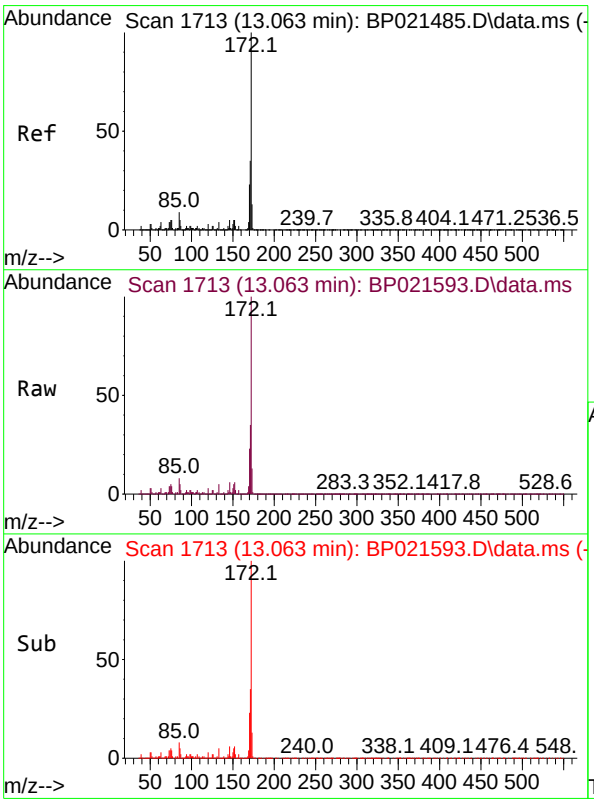
#42
2,4,6-Tribromophenol
Concen: 152.552 ng
RT: 15.969 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Tgt Ion:330 Resp: 1546323

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	30.1	24.5	36.7

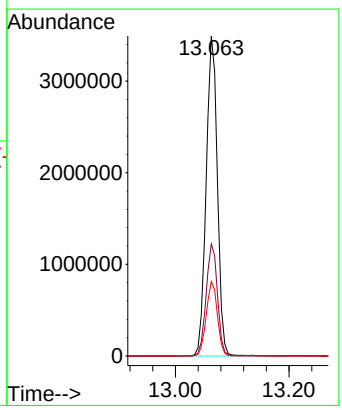


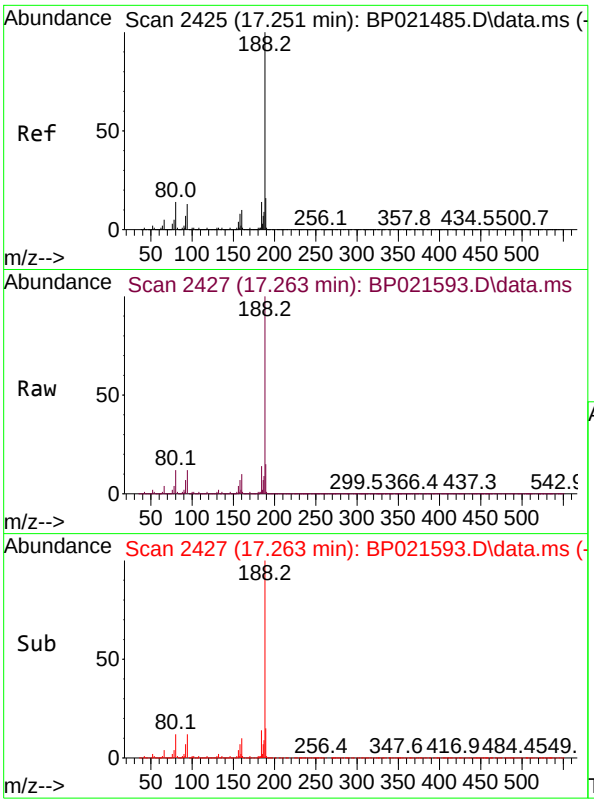


#45
2-Fluorobiphenyl
Concen: 79.651 ng
RT: 13.063 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Tgt Ion:172 Resp: 4753254

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.3	18.4	27.6



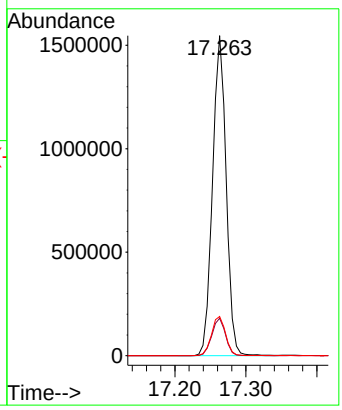


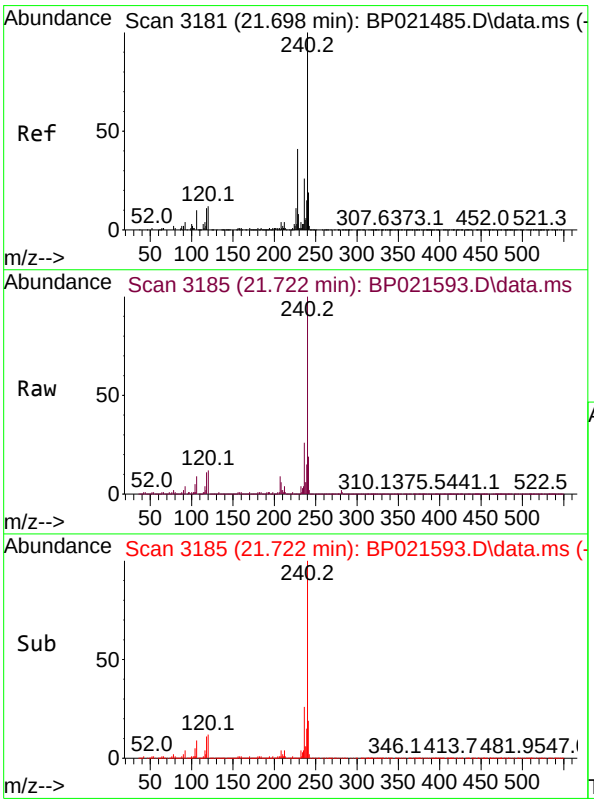
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Tgt Ion:188 Resp: 2055959

Ion	Ratio	Lower	Upper
188	100		
94	11.7	10.2	15.4
80	12.2	11.6	17.4

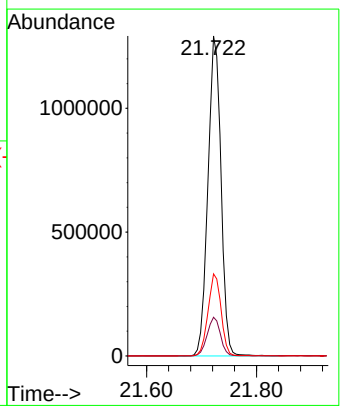


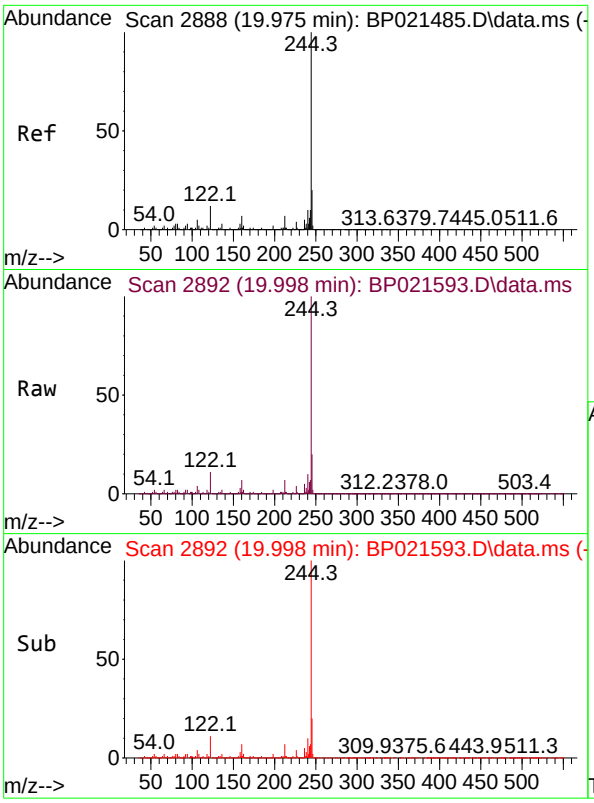


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.722 min Scan# 3185
Delta R.T. 0.024 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Tgt Ion:240 Resp: 2128573

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.9	14.9
236	25.6	20.6	30.8



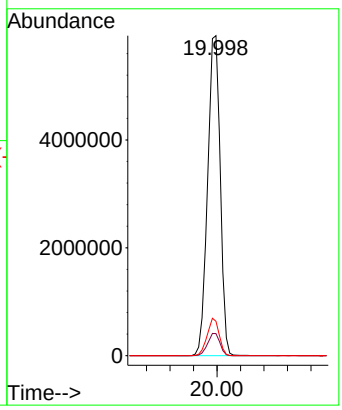


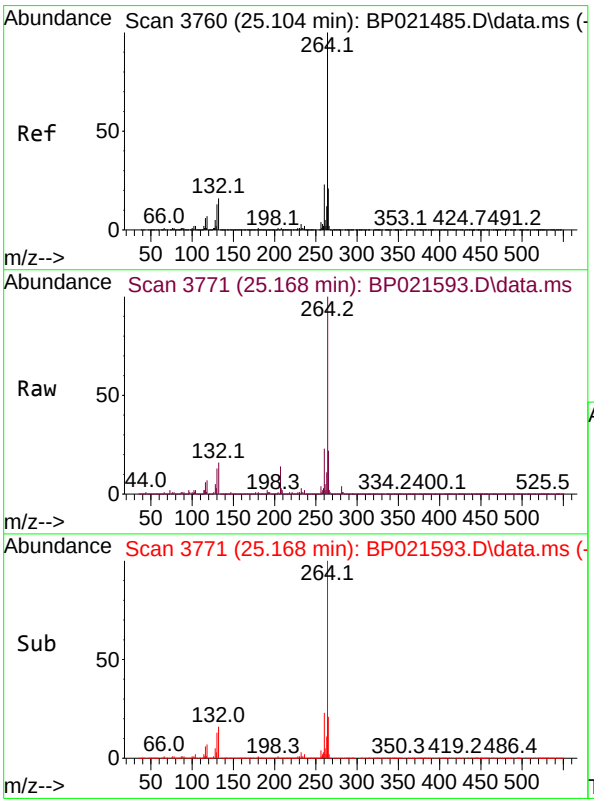
#79
Terphenyl-d14
Concen: 80.508 ng
RT: 19.998 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Instrument :
BNA_P
ClientSampleId :
PB162788BL

Tgt Ion:244 Resp: 8820927

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.7	9.4	14.2

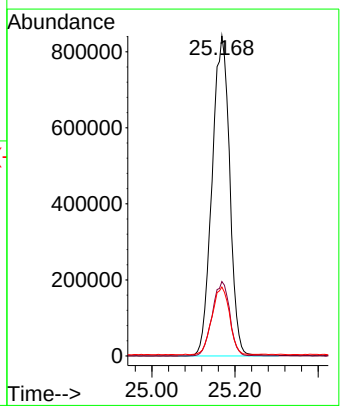




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.168 min Scan# 3771
Delta R.T. 0.065 min
Lab File: BP021593.D
Acq: 21 Aug 2024 10:52

Tgt Ion:264 Resp: 2476214

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.6	17.1	25.7



Raw Data: **BP021594.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162788BS	SDG No.:	P3645
Lab Sample ID:	PB162788BS	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
BP021594.D	1	08/16/24 10:33	08/21/24 12:19	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	27.8		1.60	5.00	ug/L
100-52-7	Benzaldehyde	18.3		4.00	10.0	ug/L
95-48-7	2-Methylphenol	44.3		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.3		1.20	10.0	ug/L
67-72-1	Hexachloroethane	42.6		1.00	5.00	ug/L
98-95-3	Nitrobenzene	43.9		1.30	5.00	ug/L
91-20-3	Naphthalene	42.9		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.2		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.1		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	54.5		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	52.7		1.00	5.00	ug/L
208-96-8	Acenaphthylene	47.7		1.00	5.00	ug/L
83-32-9	Acenaphthene	49.8		0.81	5.00	ug/L
132-64-9	Dibenzofuran	43.9		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	54.6		1.50	5.00	ug/L
86-73-7	Fluorene	42.0		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	42.0		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	45.0		0.89	5.00	ug/L
120-12-7	Anthracene	46.6		1.10	5.00	ug/L
86-74-8	Carbazole	46.0		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.1		1.50	5.00	ug/L
206-44-0	Fluoranthene	44.7		1.30	5.00	ug/L
129-00-0	Pyrene	44.9		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	46.2		0.94	5.00	ug/L
218-01-9	Chrysene	46.4		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.5		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	48.6		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	47.8		1.20	5.00	ug/L

Raw Data: **BP021594.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162788BS	SDG No.:	P3645
Lab Sample ID:	PB162788BS	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
BP021594.D	1	08/16/24 10:33	08/21/24 12:19	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	51.8		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.1		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	49.5		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	28.8		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	39.8		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	130		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.6		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		30 (52) - 130 (132)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		15 (44) - 110 (137)	97%	SPK: 150
1718-51-0	Terphenyl-d14	80.7		30 (48) - 130 (125)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	423000	7.805			
1146-65-2	Naphthalene-d8	1650000	10.593			
15067-26-2	Acenaphthene-d10	1040000	14.457			
1517-22-2	Phenanthrene-d10	2220000	17.263			
1719-03-5	Chrysene-d12	2120000	21.727			
1520-96-3	Perylene-d12	2400000	25.168			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021594.D
Acq On : 21 Aug 2024 12:19
Operator : RC/JU
Sample : PB162788BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 13:23:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	422633	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1649511	20.000	ng		0.00
39) Acenaphthene-d10	14.457	164	1043036	20.000	ng		0.00
64) Phenanthrene-d10	17.263	188	2218669	20.000	ng		0.01
76) Chrysene-d12	21.727	240	2116508	20.000	ng		0.03
86) Perylene-d12	25.168	264	2397430	20.000	ng		0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	3711897	130.412	ng		0.00
7) Phenol-d6	6.975	99	4978922	119.914	ng		0.01
23) Nitrobenzene-d5	8.952	82	2927311	91.599	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	1689654	145.552	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	5382091	78.750	ng		0.00
79) Terphenyl-d14	19.992	244	8790997	80.692	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	389024	28.825	ng		98
3) Pyridine	3.711	79	1047068	27.792	ng		95
4) n-Nitrosodimethylamine	3.617	42	472561	41.730	ng	#	89
6) Aniline	7.128	93	1026376	24.727	ng		98
8) 2-Chlorophenol	7.369	128	1284376	48.830	ng		94
9) Benzaldehyde	6.940	77	486864m	18.314	ng		
10) Phenol	6.999	94	1902178	44.241	ng		98
11) bis(2-Chloroethyl)ether	7.222	93	1424451	39.153	ng		96
12) 1,3-Dichlorobenzene	7.693	146	1294567	41.435	ng		97
13) 1,4-Dichlorobenzene	7.840	146	1331196	42.195	ng		98
14) 1,2-Dichlorobenzene	8.157	146	1274671	41.926	ng		99
15) Benzyl Alcohol	8.034	79	1300063	43.639	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.322	45	1331506	39.742	ng		97
17) 2-Methylphenol	8.240	107	1205418	44.347	ng		97
18) Hexachloroethane	8.881	117	539177	42.619	ng		99
19) n-Nitroso-di-n-propyla...	8.605	70	993736	34.647	ng	#	95
20) 3+4-Methylphenols	8.563	107	1660934	45.318	ng		97
22) Acetophenone	8.616	105	1946063	38.403	ng		99
24) Nitrobenzene	8.993	77	1524677	43.927	ng		92
25) Isophorone	9.522	82	2885146	38.214	ng		97
26) 2-Nitrophenol	9.704	139	637241	62.745	ng		93
27) 2,4-Dimethylphenol	9.769	122	937536	50.318	ng		96
28) bis(2-Chloroethoxy)met...	10.004	93	1844016	40.013	ng		100
29) 2,4-Dichlorophenol	10.234	162	1147538	52.126	ng		97
30) 1,2,4-Trichlorobenzene	10.457	180	1195360	42.353	ng		98
31) Naphthalene	10.640	128	3693973	42.868	ng		99
32) Benzoic acid	9.904	122	910002	65.023	ng		93
33) 4-Chloroaniline	10.746	127	869140	26.851	ng		96
34) Hexachlorobutadiene	10.934	225	714754	40.221	ng		99
35) Caprolactam	11.522	113	422702	46.130	ng		92
36) 4-Chloro-3-methylphenol	11.875	107	1491263	48.834	ng		97
37) 2-Methylnaphthalene	12.257	142	2475344	42.090	ng		99
38) 1-Methylnaphthalene	12.475	142	2307433	39.781	ng		100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1222750	40.010	ng		99
41) Hexachlorocyclopentadiene	12.610	237	1099174	113.481	ng		98
43) 2,4,6-Trichlorophenol	12.863	196	925882	54.540	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021594.D
Acq On : 21 Aug 2024 12:19
Operator : RC/JU
Sample : PB162788BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 13:23:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.940	196	994761	52.741	ng		96
46) 1,1'-Biphenyl	13.275	154	2959960	40.110	ng		98
47) 2-Chloronaphthalene	13.316	162	2490365	43.346	ng		99
48) 2-Nitroaniline	13.510	65	855860	52.599	ng	#	83
49) Acenaphthylene	14.169	152	4032452	47.745	ng		100
50) Dimethylphthalate	13.898	163	3178935	45.510	ng		99
51) 2,6-Dinitrotoluene	14.022	165	709105	50.126	ng		88
52) Acenaphthene	14.522	154	2761713m	49.836	ng		
53) 3-Nitroaniline	14.351	138	594258	43.317	ng	#	91
54) 2,4-Dinitrophenol	14.557	184	779718	123.232	ng	#	86
55) Dibenzofuran	14.863	168	3740786	43.881	ng		99
56) 4-Nitrophenol	14.663	139	1313936	111.298	ng	#	86
57) 2,4-Dinitrotoluene	14.816	165	991437	54.550	ng		90
58) Fluorene	15.528	166	2941757	42.005	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	882335	55.114	ng		99
60) Diethylphthalate	15.292	149	3180838	44.382	ng		99
61) 4-Chlorophenyl-phenyle...	15.528	204	1472517	40.677	ng		99
62) 4-Nitroaniline	15.539	138	721717	50.517	ng		95
63) Azobenzene	15.828	77	3446771	39.124	ng		95
65) 4,6-Dinitro-2-methylph...	15.598	198	546435	69.816	ng		98
66) n-Nitrosodiphenylamine	15.739	169	2656717	44.683	ng		100
67) 4-Bromophenyl-phenylether	16.439	248	994655	42.359	ng		99
68) Hexachlorobenzene	16.557	284	1165677	42.007	ng		97
69) Atrazine	16.728	200	820800	40.209	ng		99
70) Pentachlorophenol	16.910	266	1556069	102.740	ng		99
71) Phenanthrene	17.304	178	4806563	45.047	ng		99
72) Anthracene	17.404	178	4873321	46.571	ng		100
73) Carbazole	17.681	167	4641445	46.024	ng		99
74) Di-n-butylphthalate	18.275	149	5581934	45.069	ng		100
75) Fluoranthene	19.404	202	5852072	44.700	ng		99
77) Benzidine	19.586	184	1065275	22.247	ng		100
78) Pyrene	19.775	202	6204857	44.853	ng		100
80) Butylbenzylphthalate	20.722	149	2581686	49.083	ng		96
81) Benzo(a)anthracene	21.710	228	6137975	46.197	ng		100
82) 3,3'-Dichlorobenzidine	21.627	252	1787315	41.956	ng		99
83) Chrysene	21.774	228	5826621	46.448	ng		99
84) Bis(2-ethylhexyl)phtha...	21.669	149	3731470	47.517	ng		100
85) Di-n-octyl phthalate	22.986	149	6703781	48.537	ng		97
87) Indeno(1,2,3-cd)pyrene	29.092	276	8091481m	52.067	ng		
88) Benzo(b)fluoranthene	24.092	252	6684972	48.551	ng		100
89) Benzo(k)fluoranthene	24.163	252	6422116	47.813	ng		99
90) Benzo(a)pyrene	25.015	252	6192957	51.829	ng		99
91) Dibenzo(a,h)anthracene	29.174	278	6599130	51.107	ng		100
92) Benzo(g,h,i)perylene	30.303	276	6405985	49.498	ng		98

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

Quantitation Report (QT Reviewed)

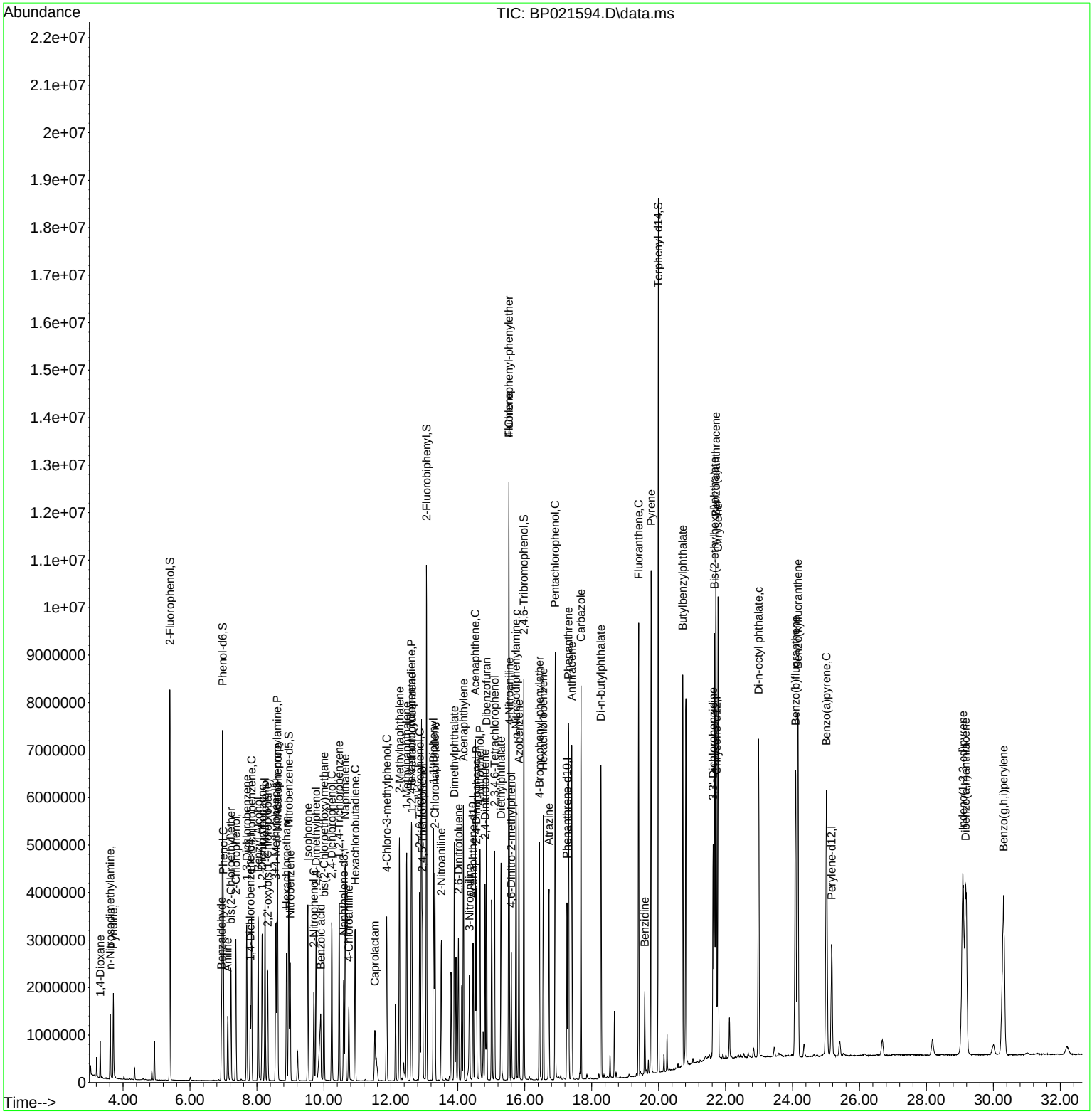
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021594.D
Acq On : 21 Aug 2024 12:19
Operator : RC/JU
Sample : PB162788BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

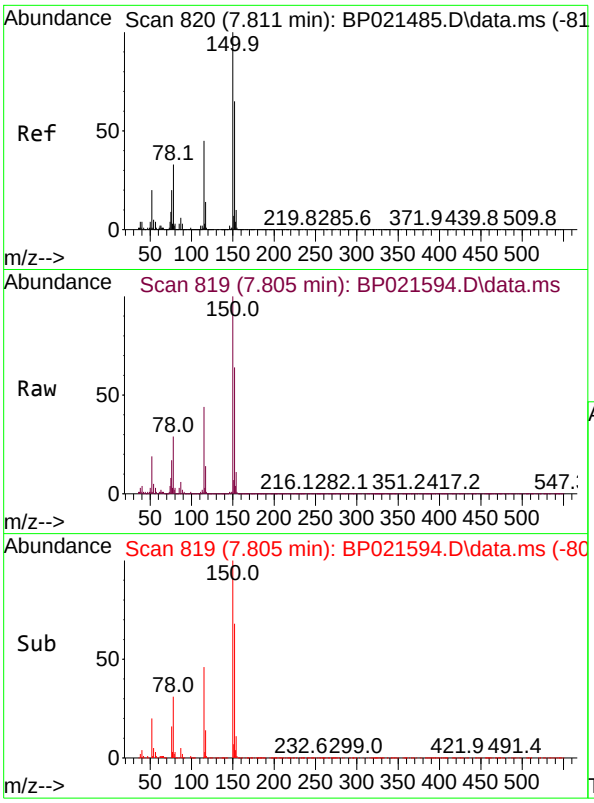
Quant Time: Aug 21 13:23:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

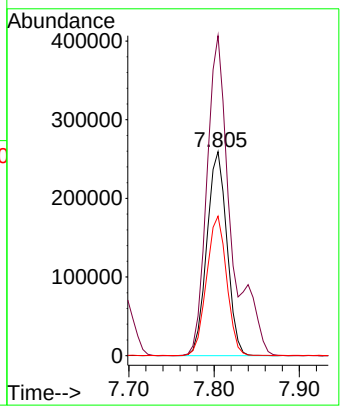




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:152 Resp: 42263

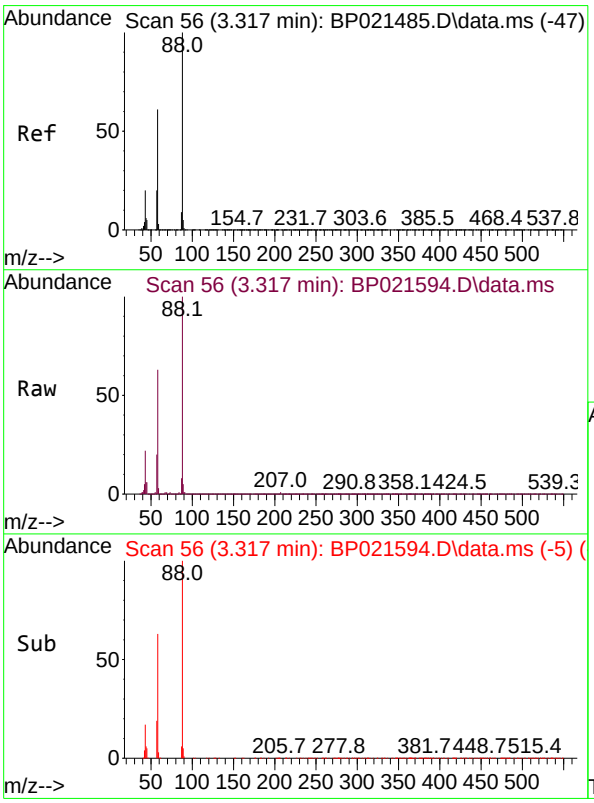
Ion	Ratio	Lower	Upper
152	100		
150	156.9	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
APPROVED

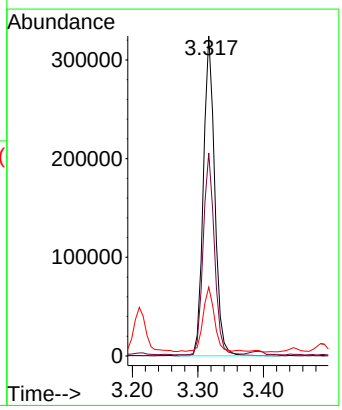
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

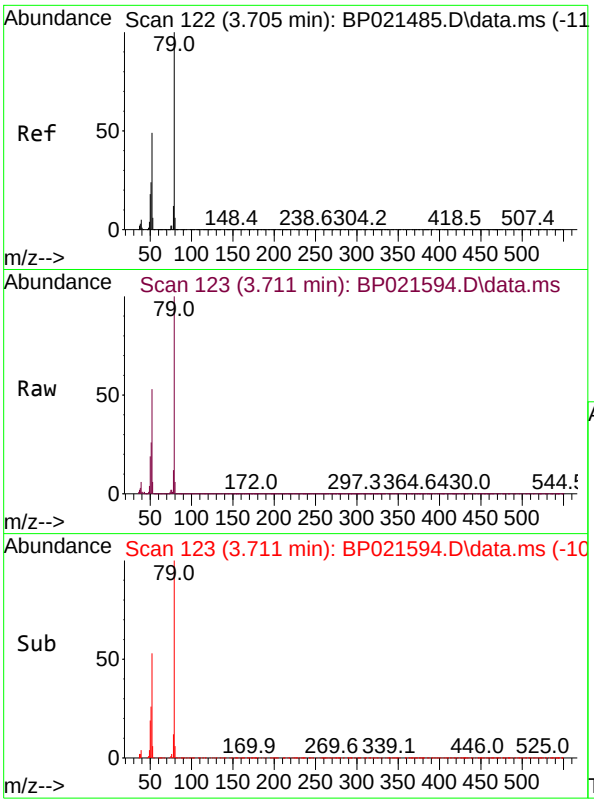


#2
1,4-Dioxane
Concen: 28.825 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 88 Resp: 389024

Ion	Ratio	Lower	Upper
88	100		
58	62.6	48.7	73.1
43	20.0	15.4	23.2

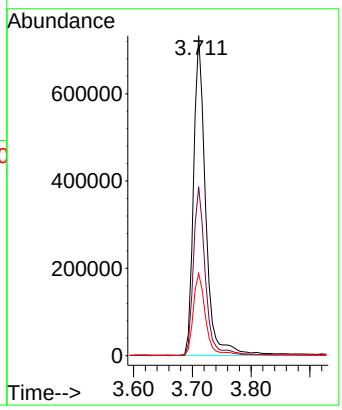




#3
Pyridine
Concen: 27.792 ng
RT: 3.711 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 79 Resp: 104706

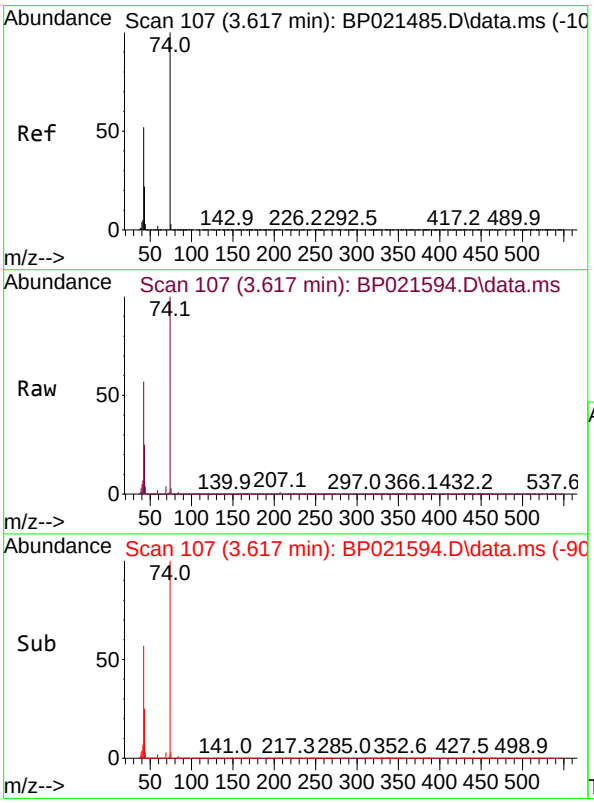
Ion	Ratio	Lower	Upper
79	100		
52	52.8	39.0	58.6
51	25.7	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
APPROVED

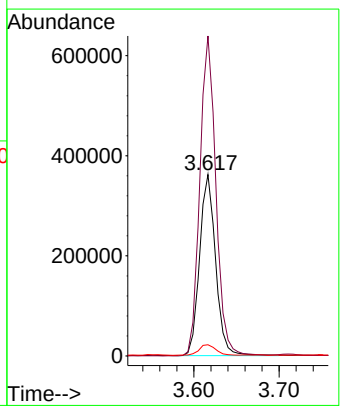
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

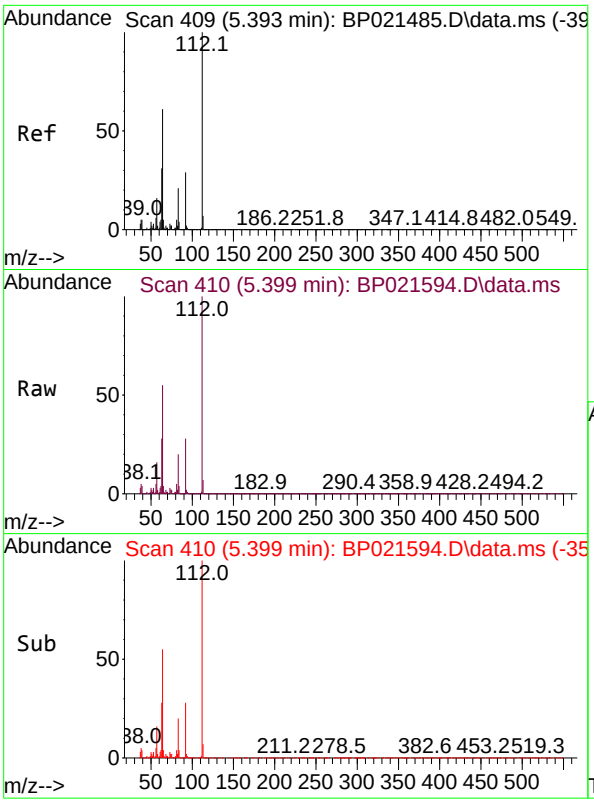


#4
n-Nitrosodimethylamine
Concen: 41.730 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 42 Resp: 472561

Ion	Ratio	Lower	Upper
42	100		
74	176.4	154.3	231.5
44	6.2	6.2	9.4#





#5
2-Fluorophenol
Concen: 130.412 ng
RT: 5.399 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

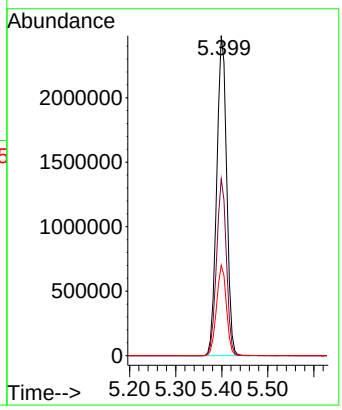
Instrument :
BNA_P
ClientSampleId :
PB162788BS

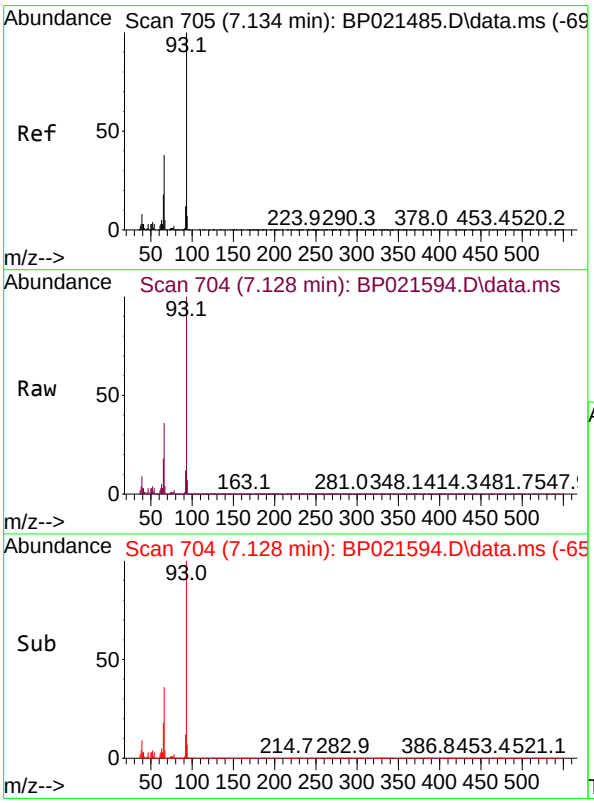
Tgt Ion:112 Resp: 371189

Ion	Ratio	Lower	Upper
112	100		
64	55.3	49.0	73.6
63	28.3	24.6	36.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

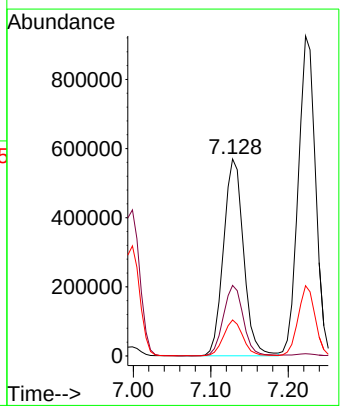


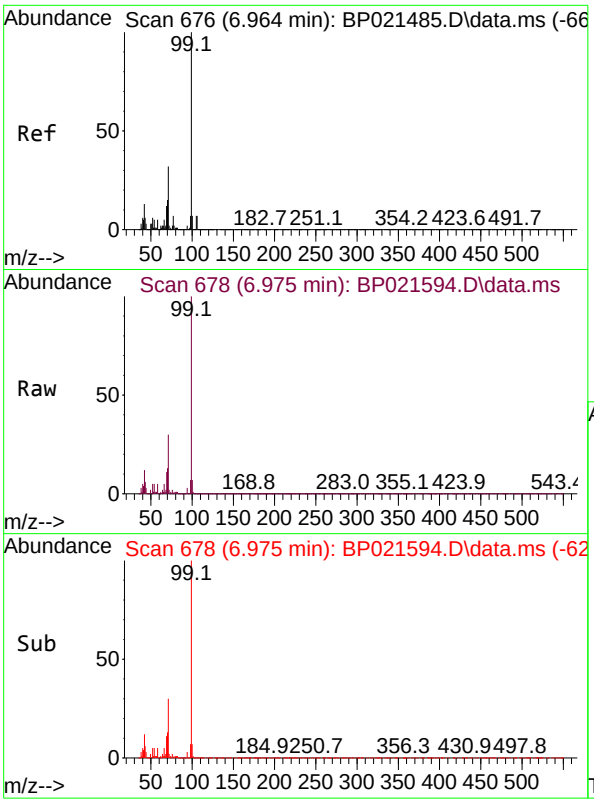


#6
Aniline
Concen: 24.727 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 93 Resp: 1026376

Ion	Ratio	Lower	Upper
93	100		
66	35.9	30.2	45.2
65	18.2	14.7	22.1

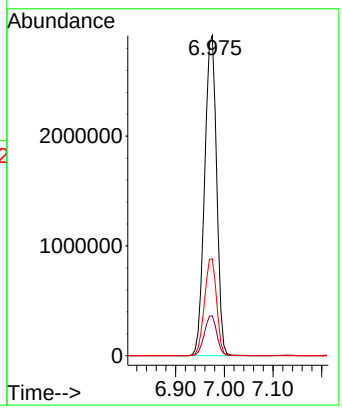




#7
Phenol-d6
Concen: 119.914 ng
RT: 6.975 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 99 Resp: 497892

Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	30.3	25.8	38.8



Instrument :
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ClientSampleId :
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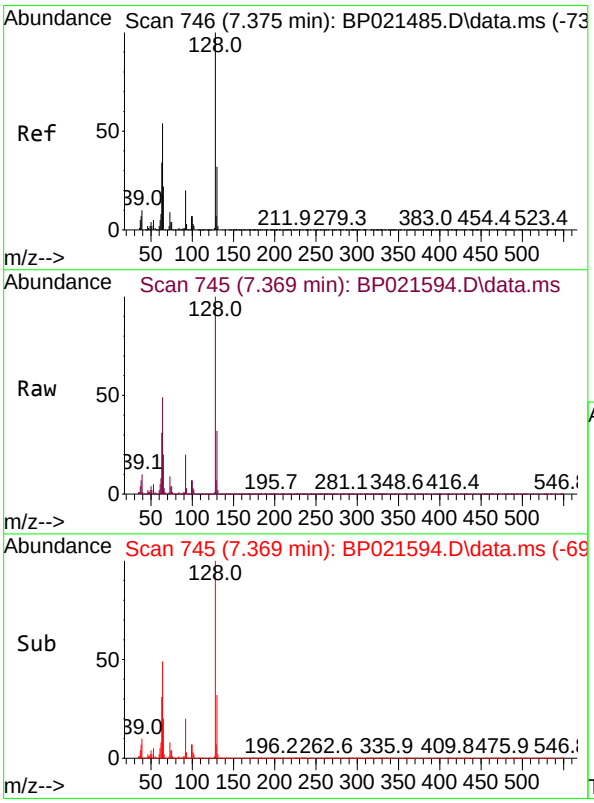
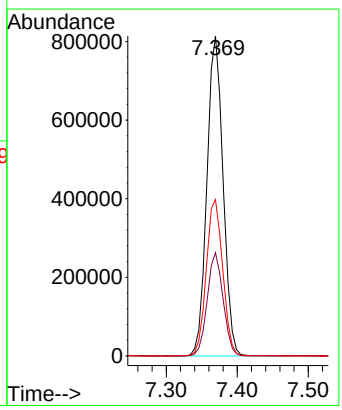
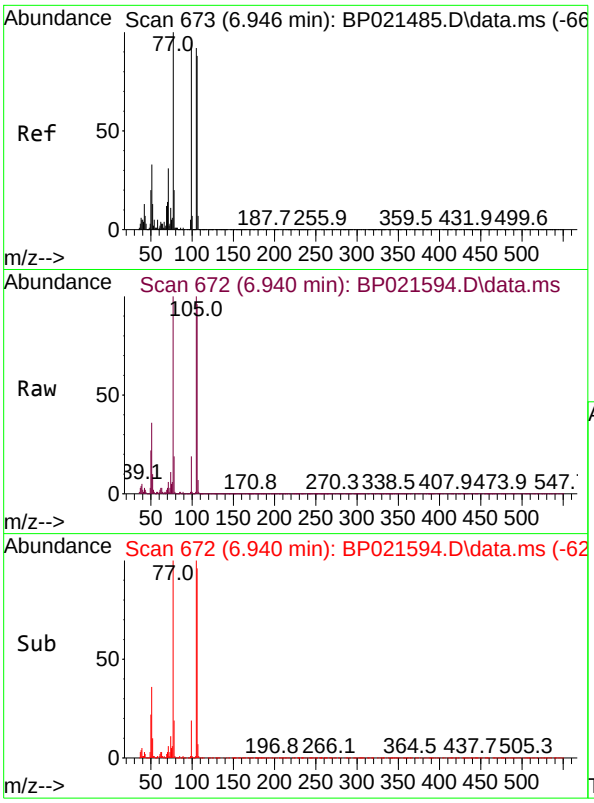


#8
2-Chlorophenol
Concen: 48.830 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:128 Resp: 1284376

Ion	Ratio	Lower	Upper
128	100		
130	32.3	11.6	51.6
64	48.9	35.3	75.3

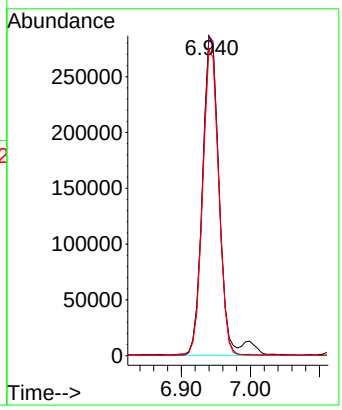




#9
Benzaldehyde
Concen: 18.314 ng m
RT: 6.940 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 77 Resp: 48686

Ion	Ratio	Lower	Upper
77	100		
105	100.1	72.1	112.1
106	95.7	67.9	107.9



Instrument :
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ClientSampleId :
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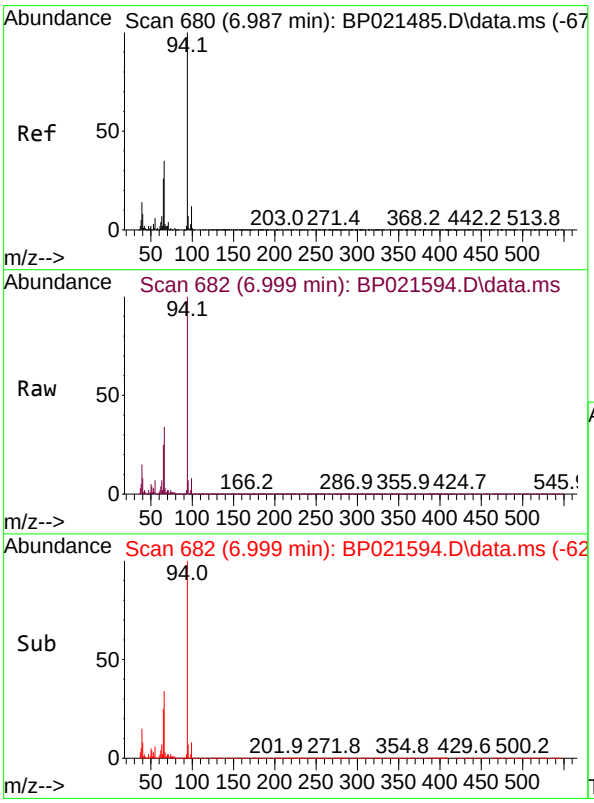
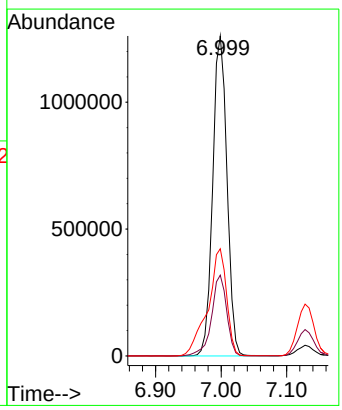
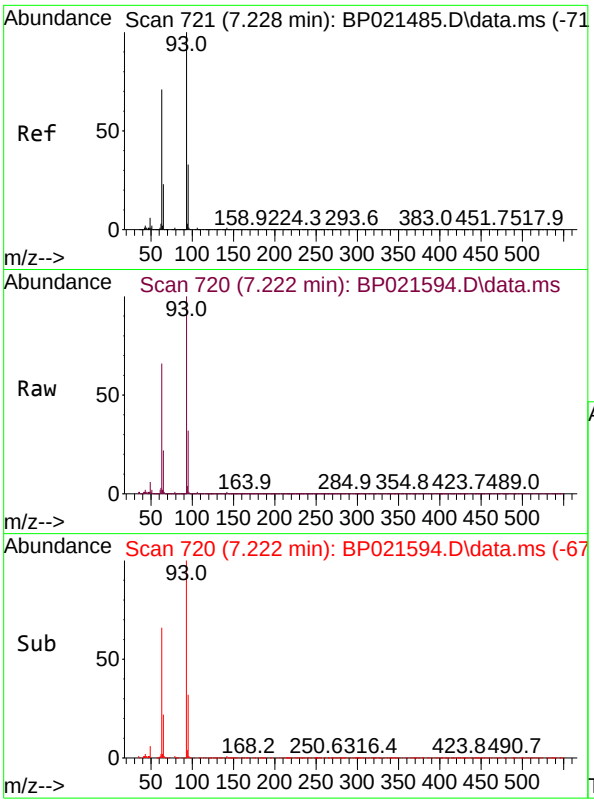


#10
Phenol
Concen: 44.241 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 94 Resp: 1902178

Ion	Ratio	Lower	Upper
94	100		
65	25.3	6.5	46.5
66	33.5	14.7	54.7

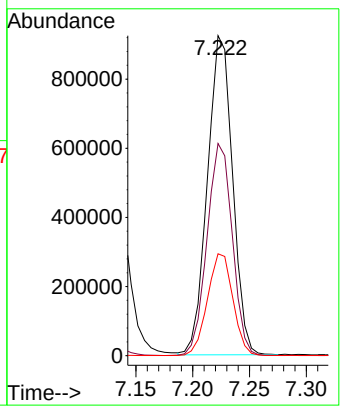




#11
bis(2-Chloroethyl)ether
Concen: 39.153 ng
RT: 7.222 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 93 Resp: 142445

Ion	Ratio	Lower	Upper
93	100		
63	66.3	51.0	91.0
95	31.9	12.9	52.9



Instrument :
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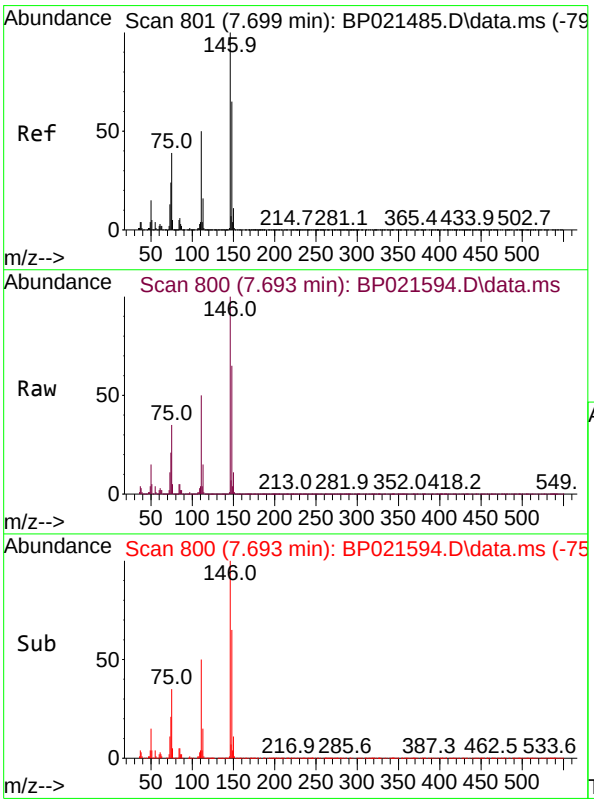
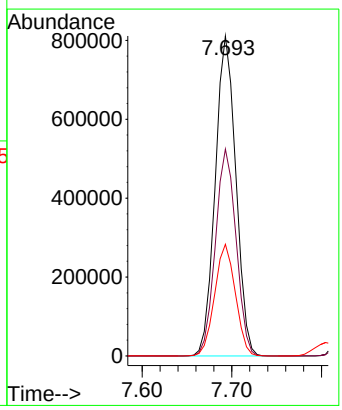
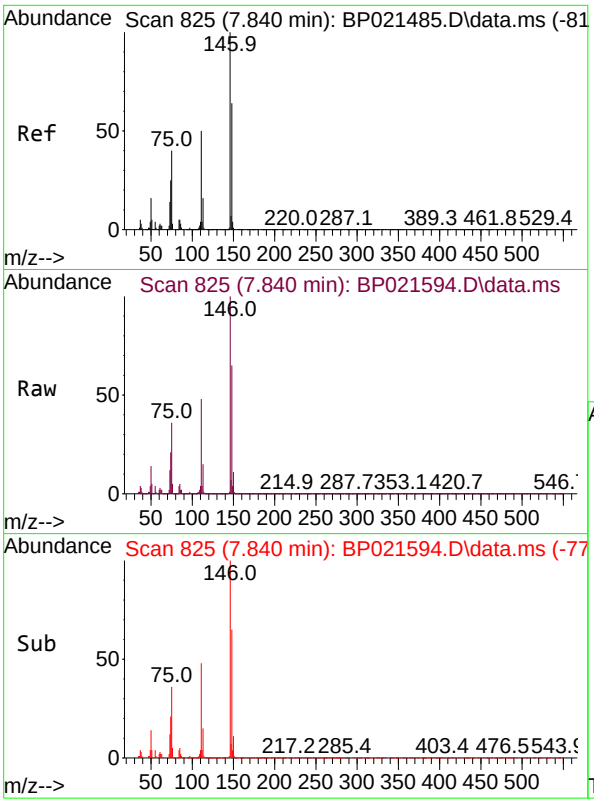


#12
1,3-Dichlorobenzene
Concen: 41.435 ng
RT: 7.693 min Scan# 800
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:146 Resp: 1294567

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	34.9	31.3	46.9

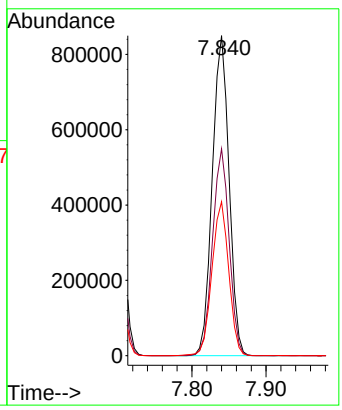




#13
1,4-Dichlorobenzene
Concen: 42.195 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:146 Resp: 133119

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.5	77.3
111	48.1	40.3	60.5



Instrument :
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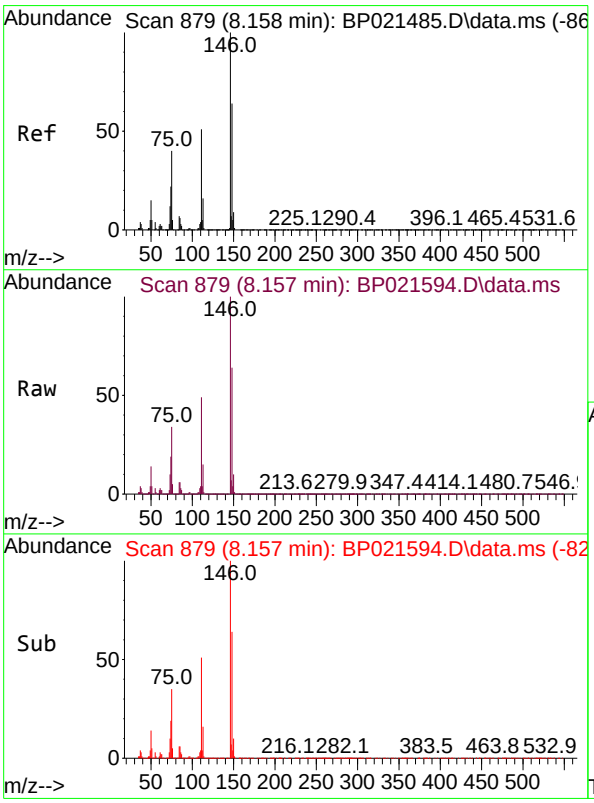
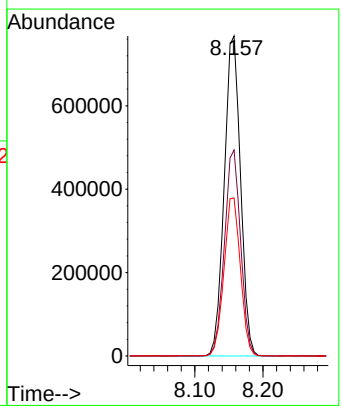
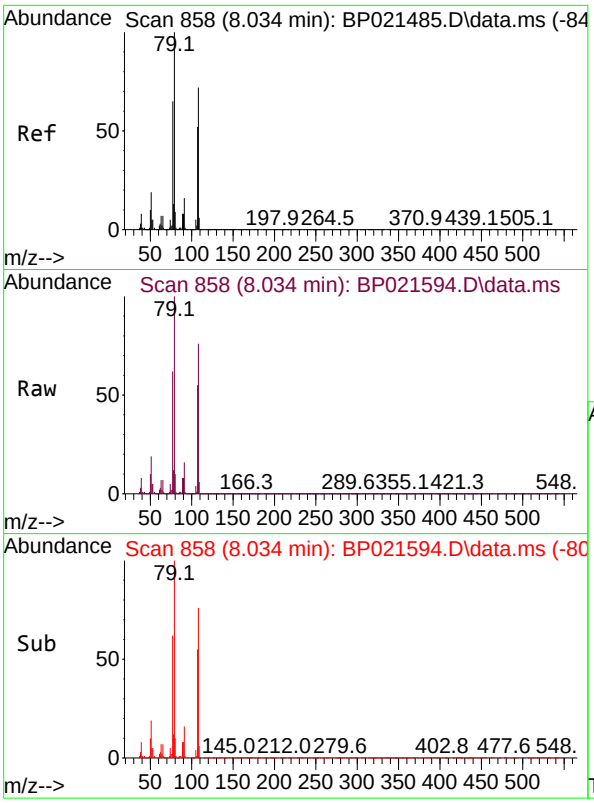


#14
1,2-Dichlorobenzene
Concen: 41.926 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:146 Resp: 1274671

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	49.4	41.1	61.7





#15
Benzyl Alcohol
Concen: 43.639 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 79 Resp: 130006

Ion	Ratio	Lower	Upper
79	100		
108	76.4	57.9	86.9
77	62.3	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
PB162788BS

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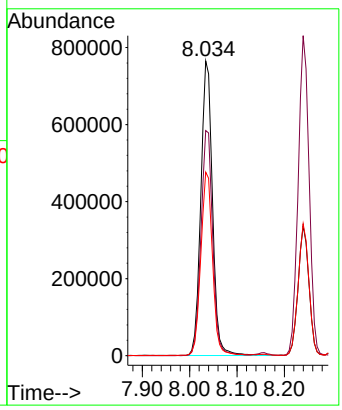
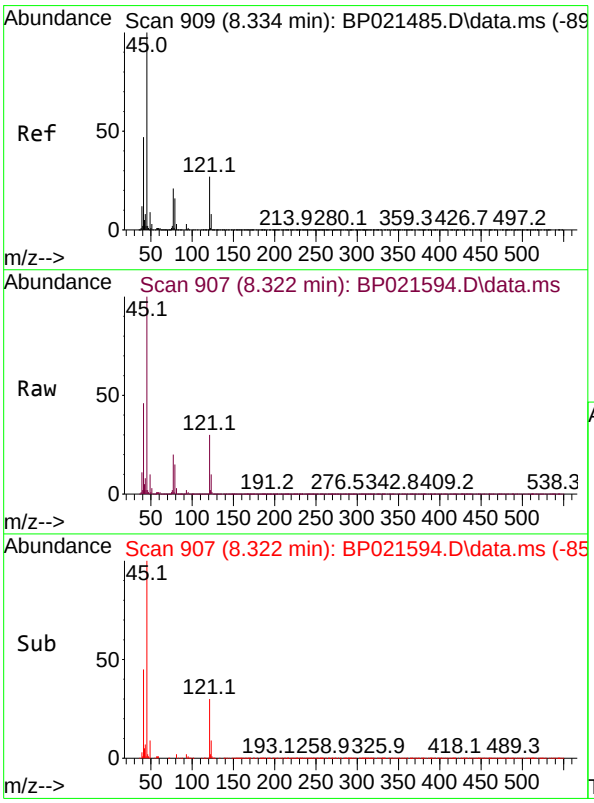
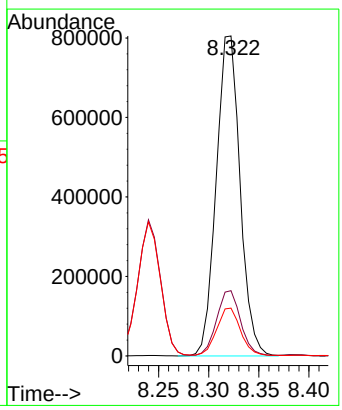


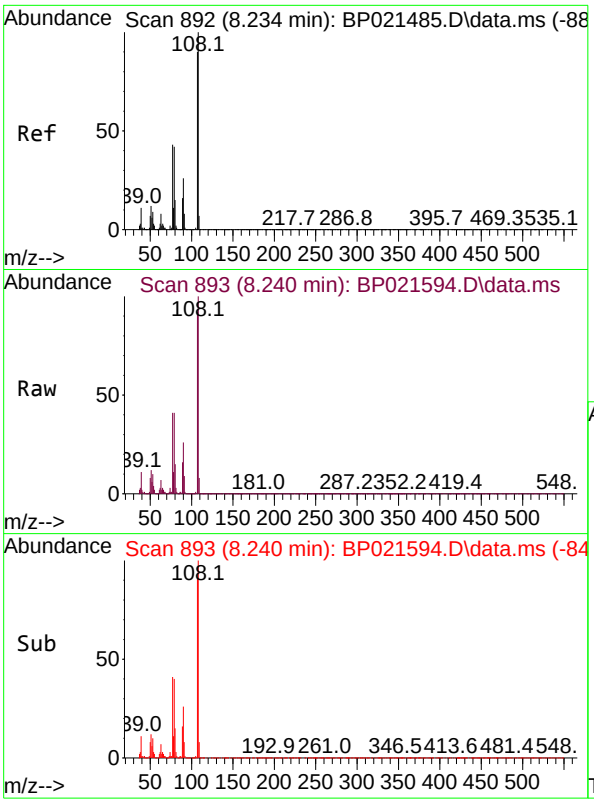


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.742 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 45 Resp: 1331506

Ion	Ratio	Lower	Upper
45	100		
77	20.4	1.9	41.9
79	14.9	0.0	36.6

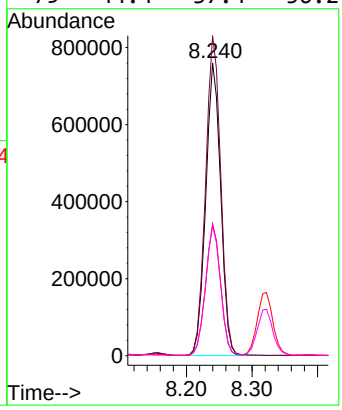




#17
2-Methylphenol
Concen: 44.347 ng
RT: 8.240 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:107 Resp: 120541

Ion	Ratio	Lower	Upper
107	100		
108	109.3	88.8	133.2
77	45.0	38.7	58.1
79	44.4	37.4	56.2



Instrument :
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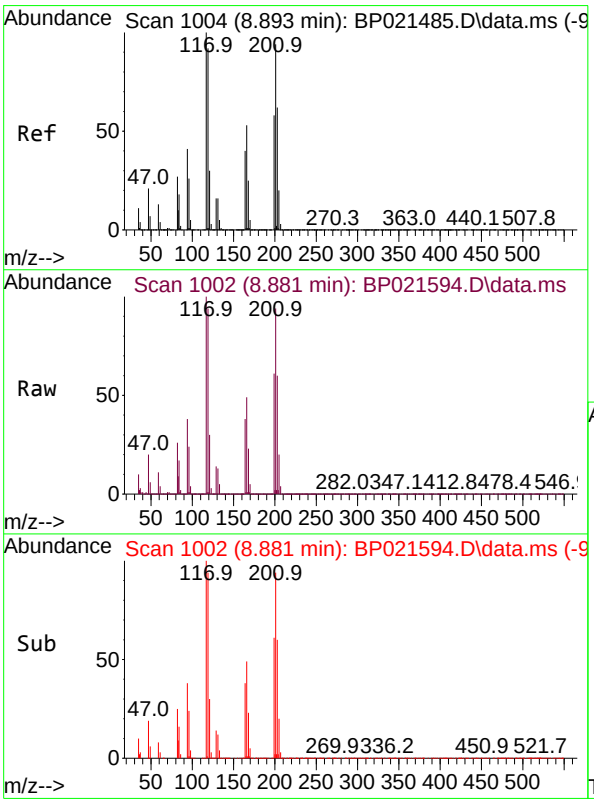
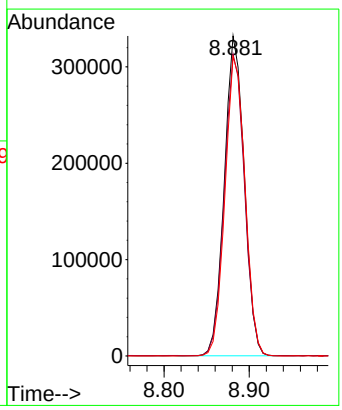
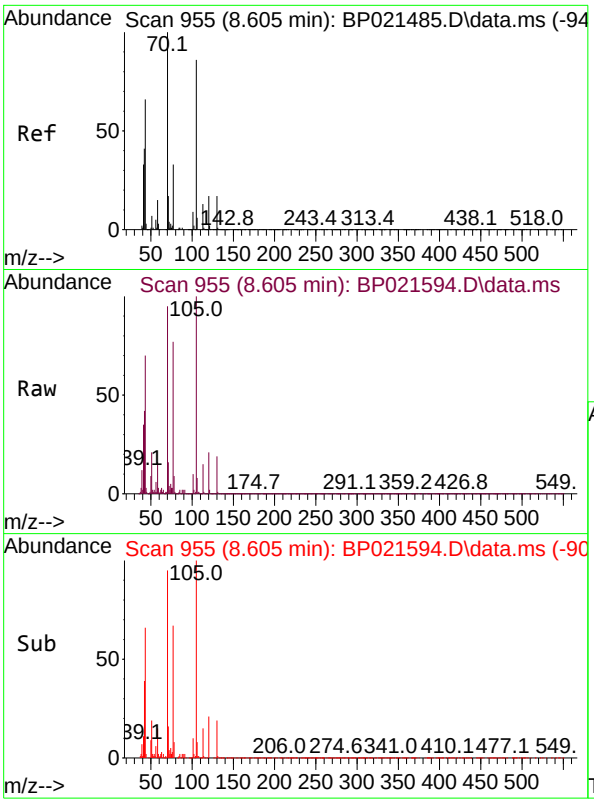


#18
Hexachloroethane
Concen: 42.619 ng
RT: 8.881 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:117 Resp: 539177

Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.9	110.9
201	93.6	74.9	112.3

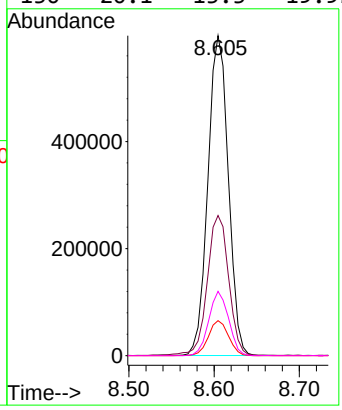




#19
n-Nitroso-di-n-propylamine
Concen: 34.647 ng
RT: 8.605 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 70 Resp: 99373

Ion	Ratio	Lower	Upper
70	100		
42	43.8	33.1	49.7
101	10.9	7.4	11.2
130	20.1	13.3	19.9#



Instrument :
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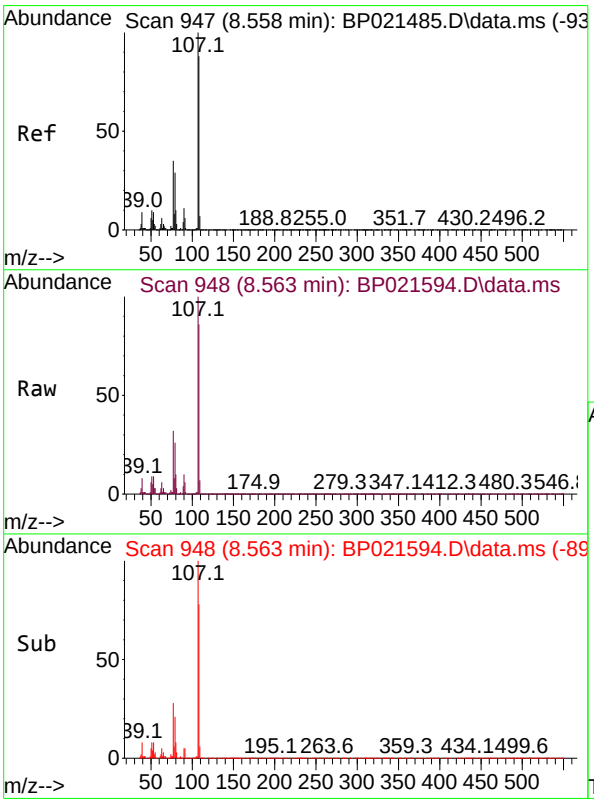
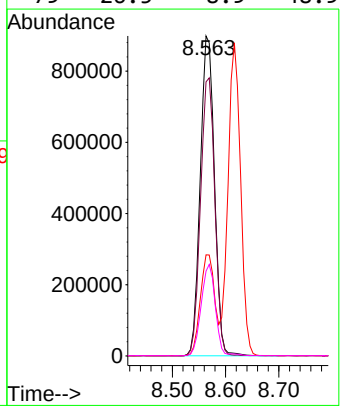
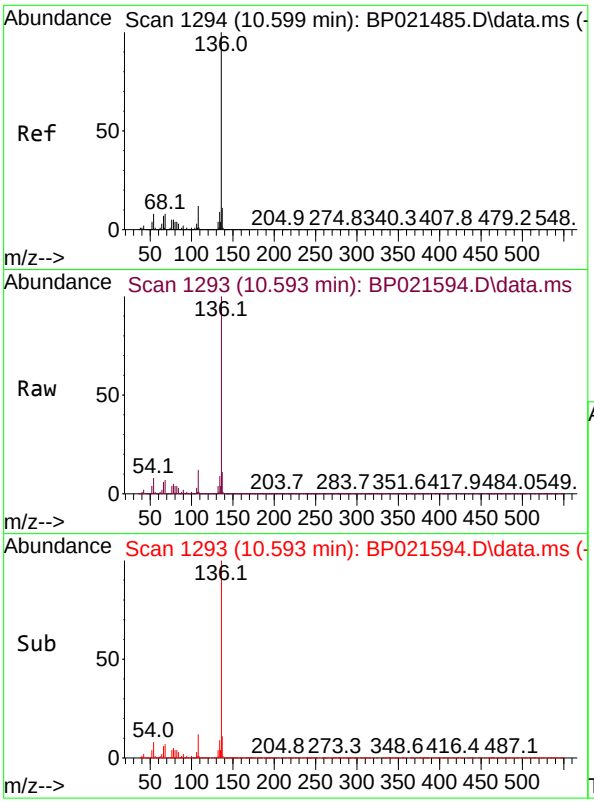


#20
3+4-Methylphenols
Concen: 45.318 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:107 Resp: 1660934

Ion	Ratio	Lower	Upper
107	100		
108	85.6	67.6	107.6
77	31.6	15.0	55.0
79	26.5	8.9	48.9

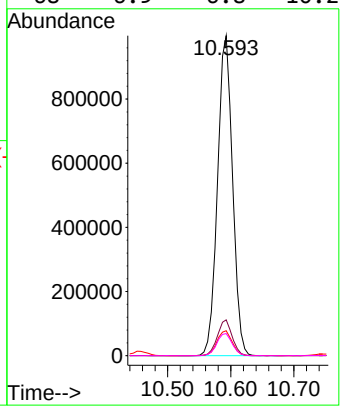




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:136 Resp: 164951

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.8	6.3	9.5
68	6.9	6.8	10.2



Instrument :
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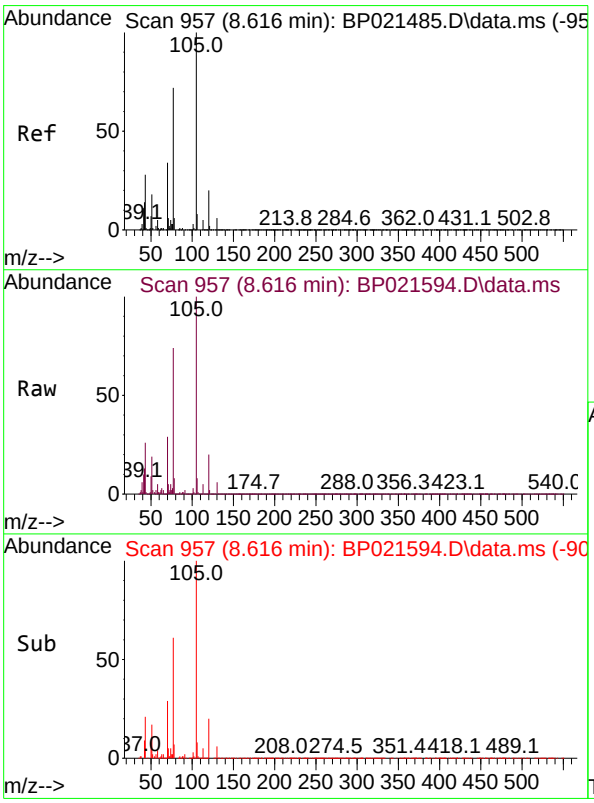
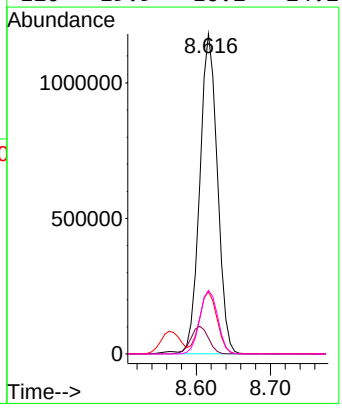
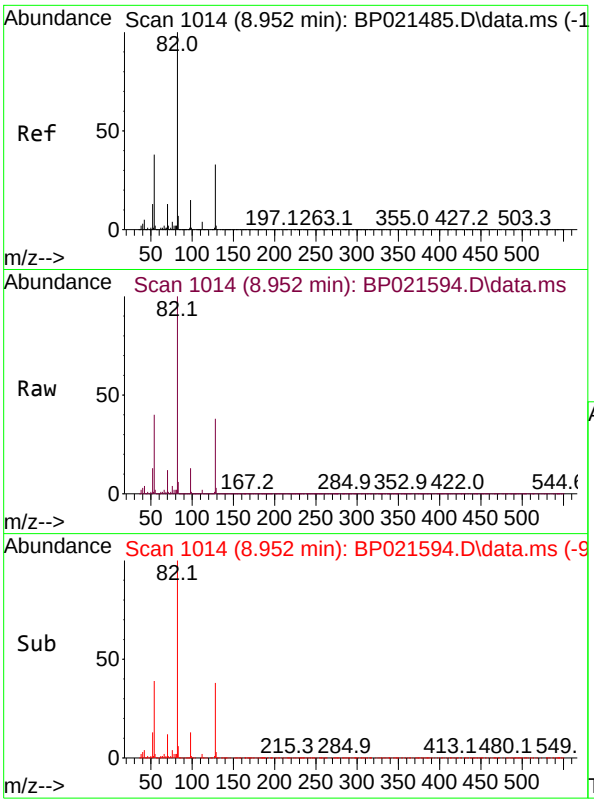


#22
Acetophenone
Concen: 38.403 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:105 Resp: 1946063

Ion	Ratio	Lower	Upper
105	100		
71	5.0	4.6	7.0
51	19.5	16.3	24.5
120	19.9	16.2	24.2

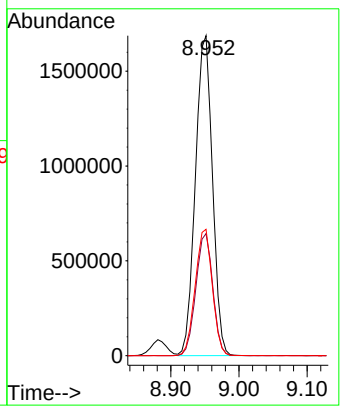




#23
Nitrobenzene-d5
Concen: 91.599 ng
RT: 8.952 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 82 Resp: 292731

Ion	Ratio	Lower	Upper
82	100		
128	38.2	26.5	39.7
54	39.5	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
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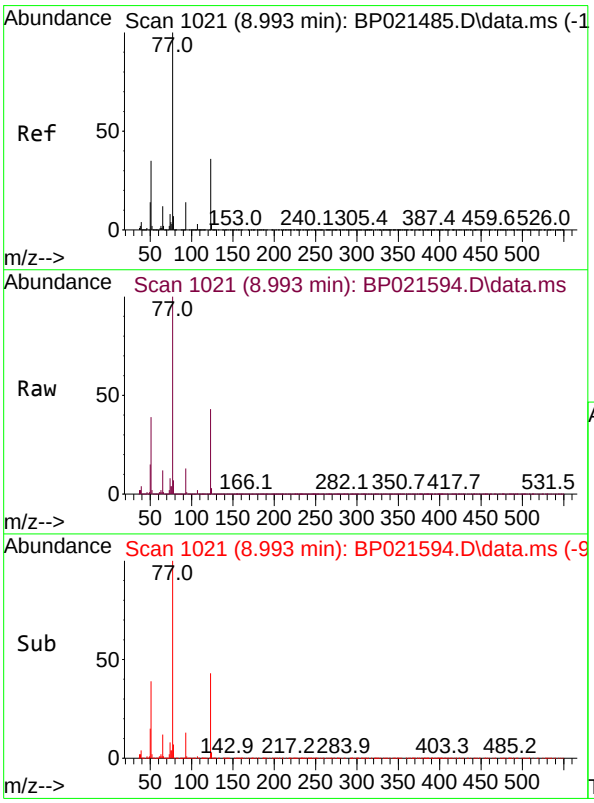
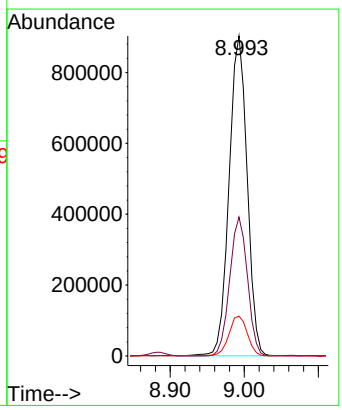
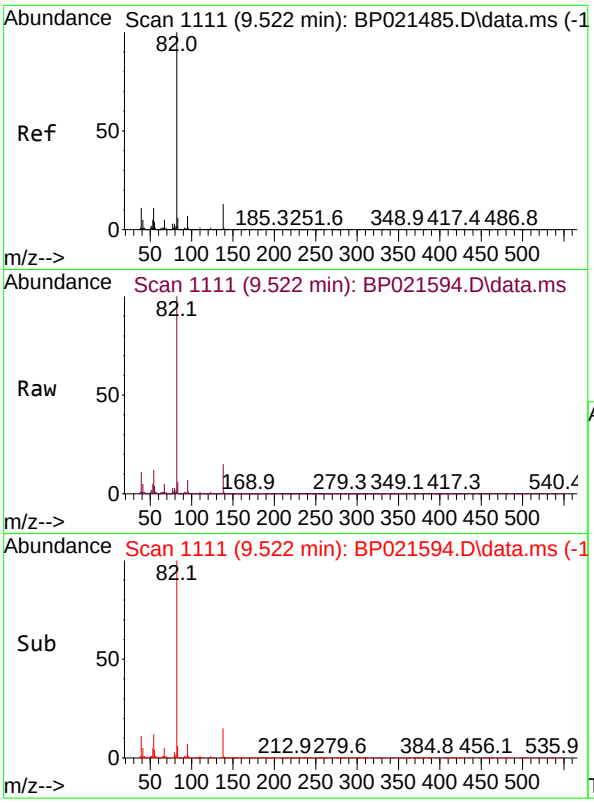


#24
Nitrobenzene
Concen: 43.927 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 77 Resp: 1524677

Ion	Ratio	Lower	Upper
77	100		
123	43.4	29.5	44.3
65	12.5	9.9	14.9

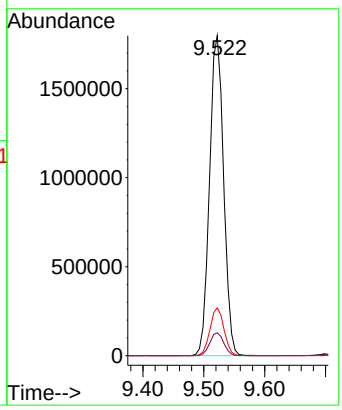




#25
Isophorone
Concen: 38.214 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 82 Resp: 288514

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.4	8.2
138	14.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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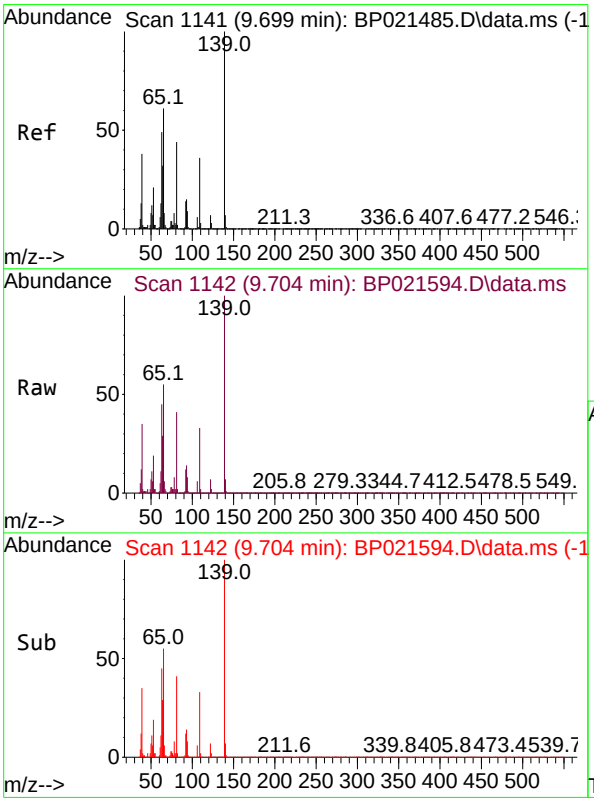
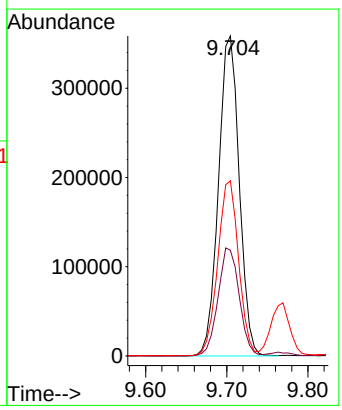
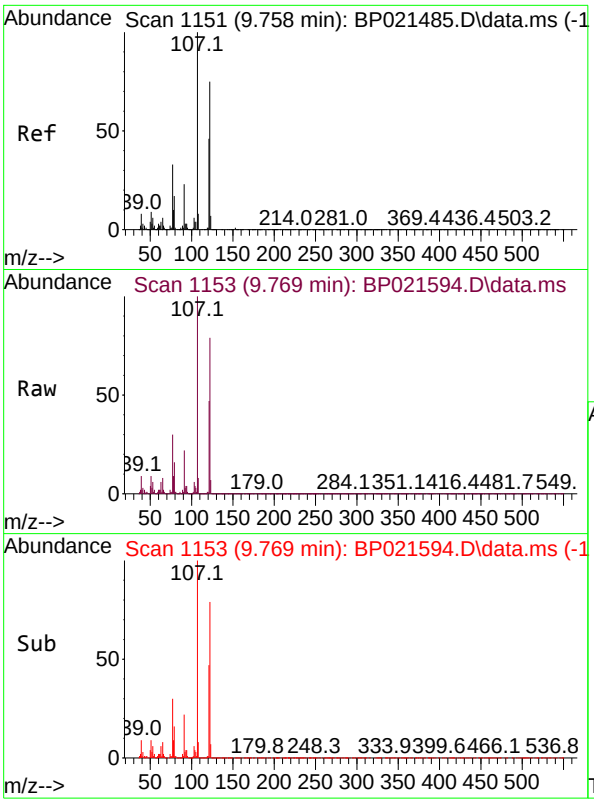


#26
2-Nitrophenol
Concen: 62.745 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:139 Resp: 637241

Ion	Ratio	Lower	Upper
139	100		
109	33.0	28.9	43.3
65	54.8	49.0	73.6

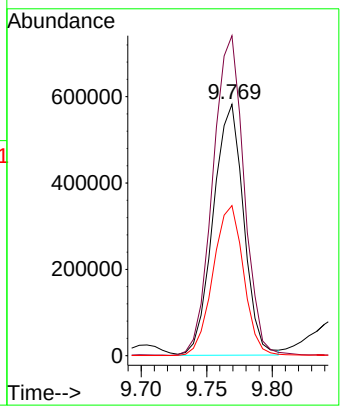




#27
2,4-Dimethylphenol
Concen: 50.318 ng
RT: 9.769 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:122 Resp: 93753

Ion	Ratio	Lower	Upper
122	100		
107	127.3	106.2	159.4
121	59.7	48.8	73.2



Instrument :
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ClientSampleId :
PB162788BS

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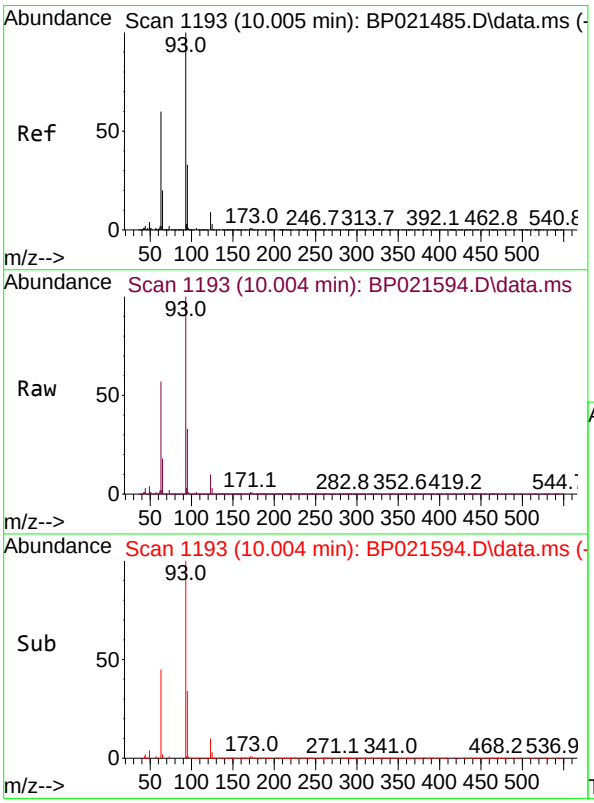
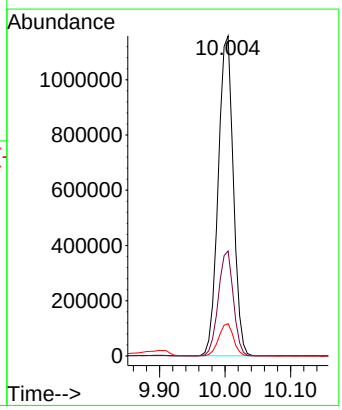
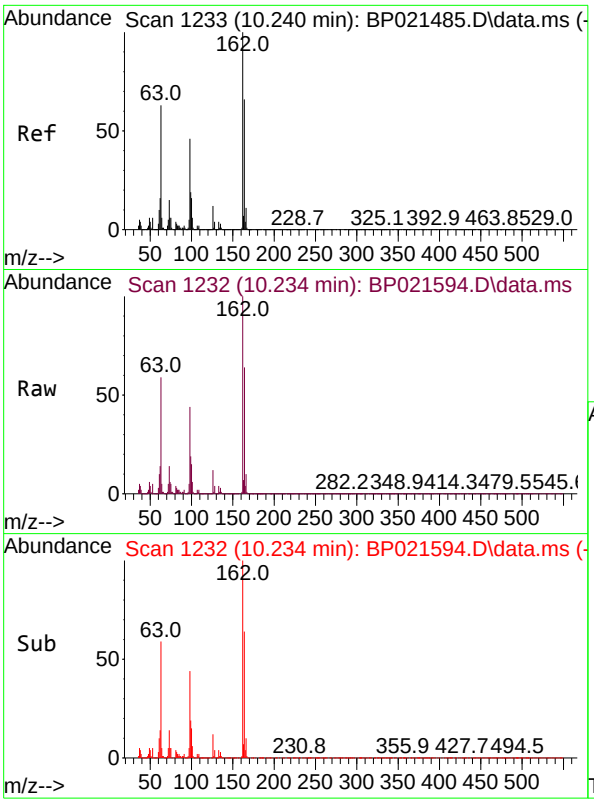


#28
bis(2-Chloroethoxy)methane
Concen: 40.013 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 93 Resp: 1844016

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	10.1	7.6	11.4

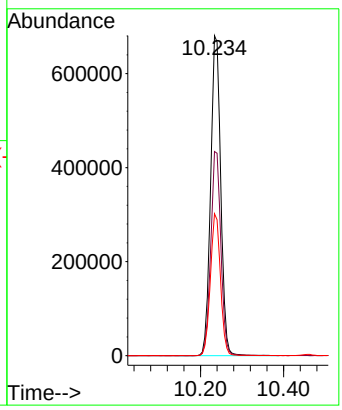




#29
2,4-Dichlorophenol
Concen: 52.126 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:162 Resp: 114753

Ion	Ratio	Lower	Upper
162	100		
164	63.8	45.9	85.9
98	44.3	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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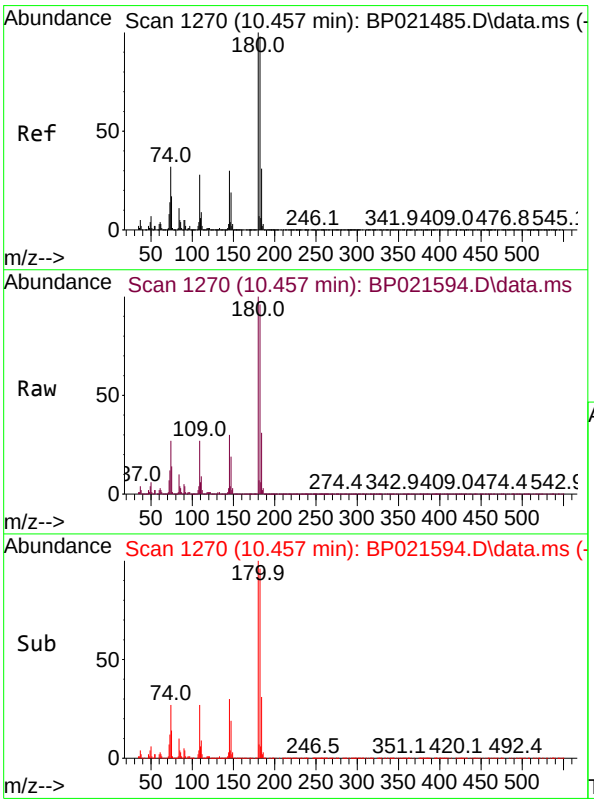
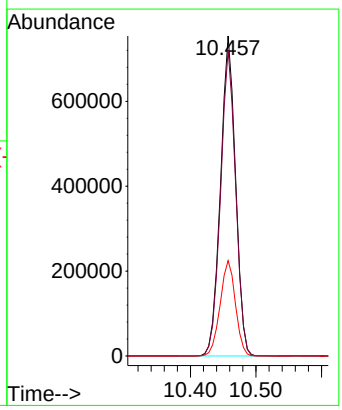
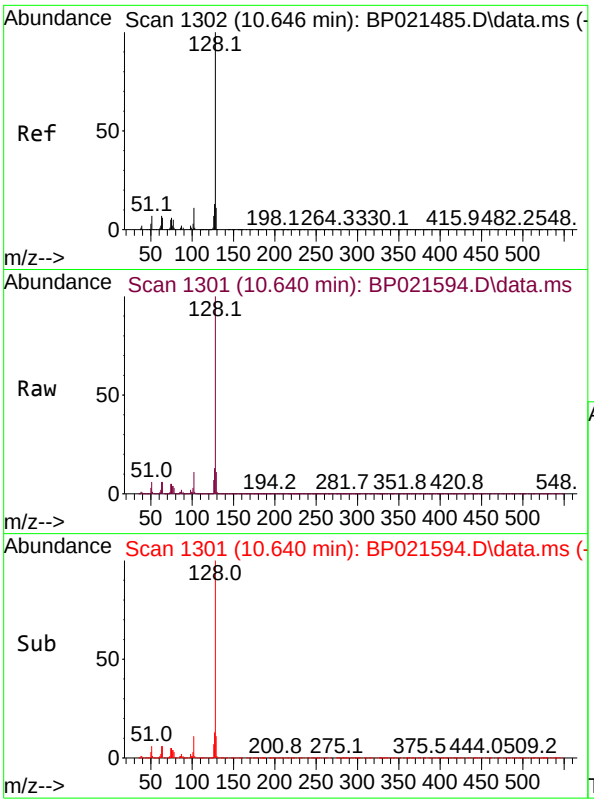


#30
1,2,4-Trichlorobenzene
Concen: 42.353 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:180 Resp: 1195360

Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.3	117.5
145	29.8	24.0	36.0

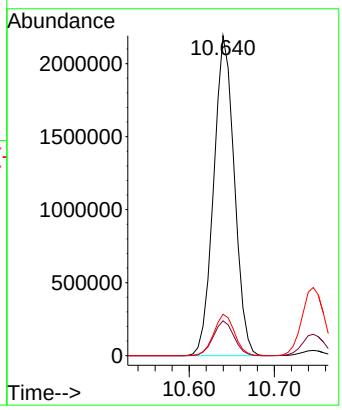




#31
Naphthalene
Concen: 42.868 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:128 Resp: 369397

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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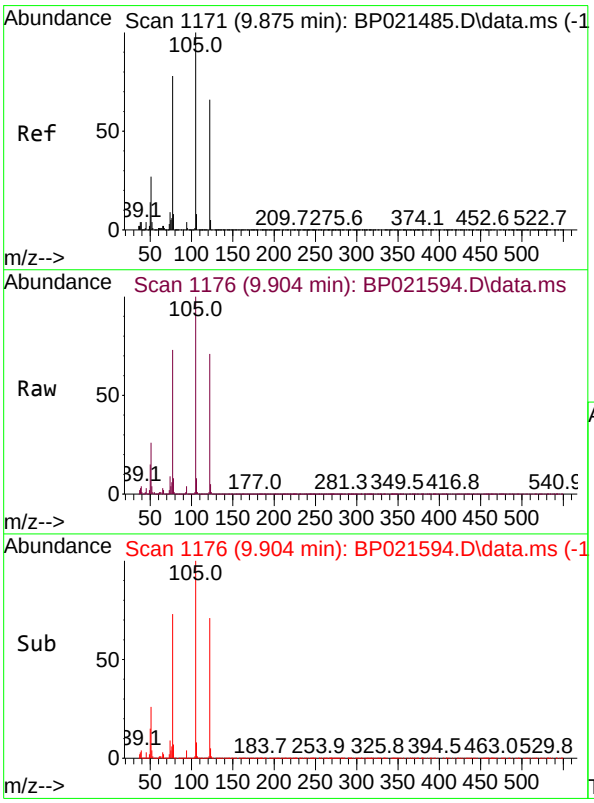
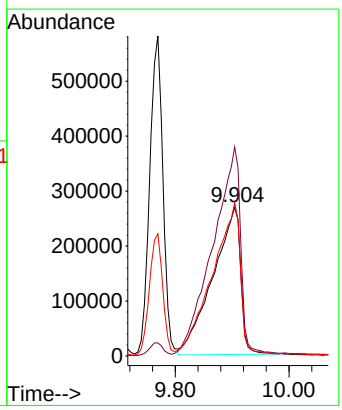
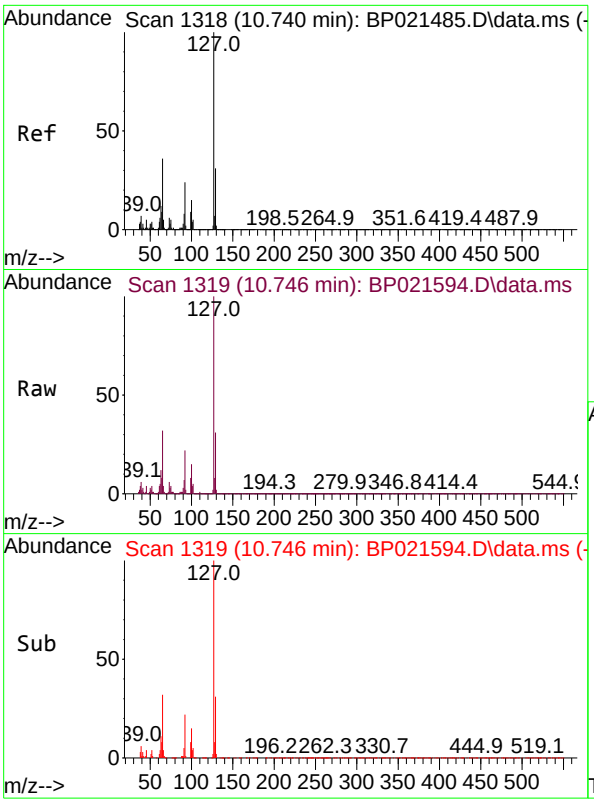


#32
Benzoic acid
Concen: 65.023 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:122 Resp: 910002

Ion	Ratio	Lower	Upper
122	100		
105	140.5	124.6	164.6
77	103.0	96.2	136.2

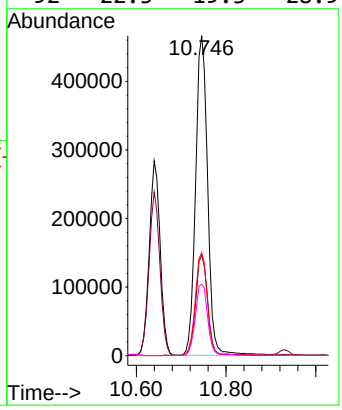




#33
4-Chloroaniline
Concen: 26.851 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:127 Resp: 86914

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	32.1	28.9	43.3
92	22.3	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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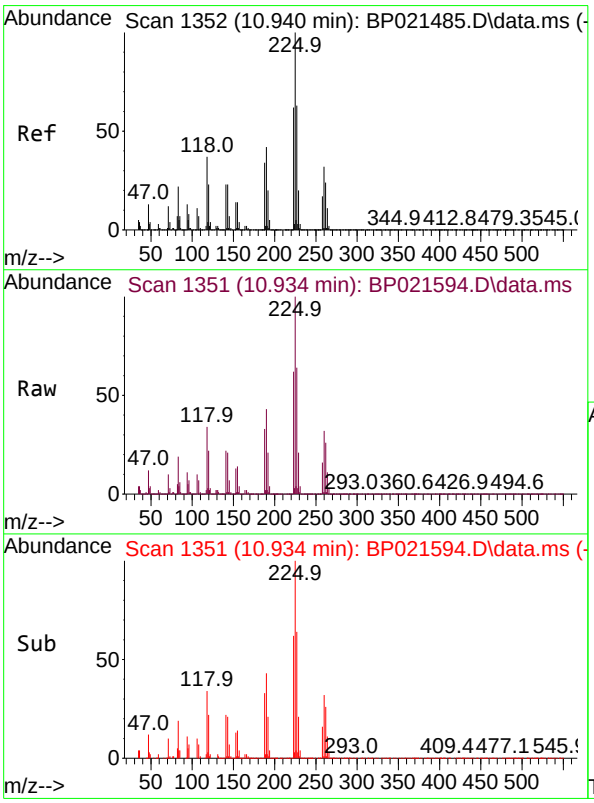
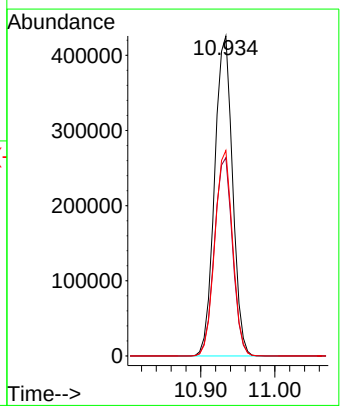
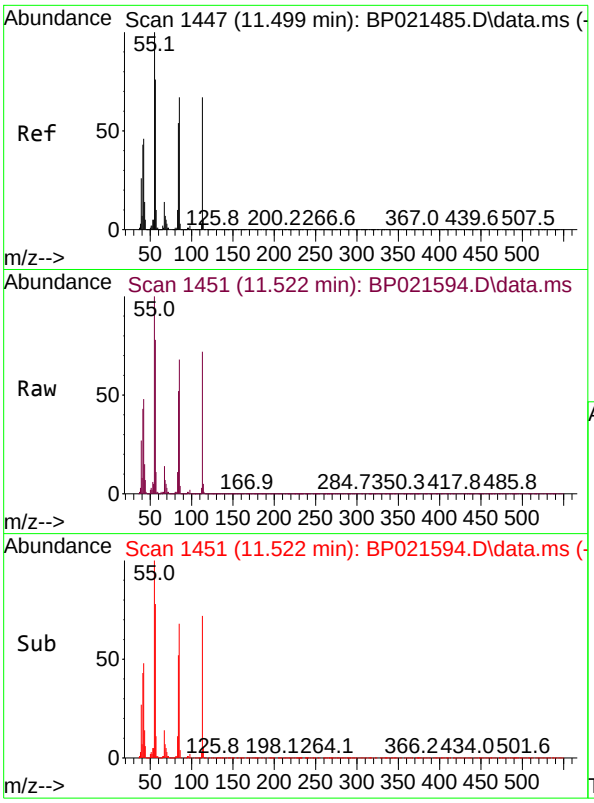


#34
Hexachlorobutadiene
Concen: 40.221 ng
RT: 10.934 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:225 Resp: 714754

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.6	74.4
227	64.2	50.1	75.1





#35
Caprolactam
Concen: 46.130 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:113 Resp: 42270

Ion	Ratio	Lower	Upper
113	100		
55	138.8	130.6	170.6
56	108.1	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
PB162788BS

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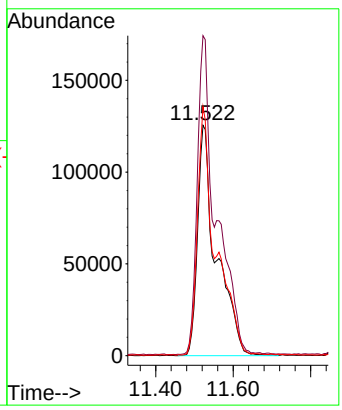
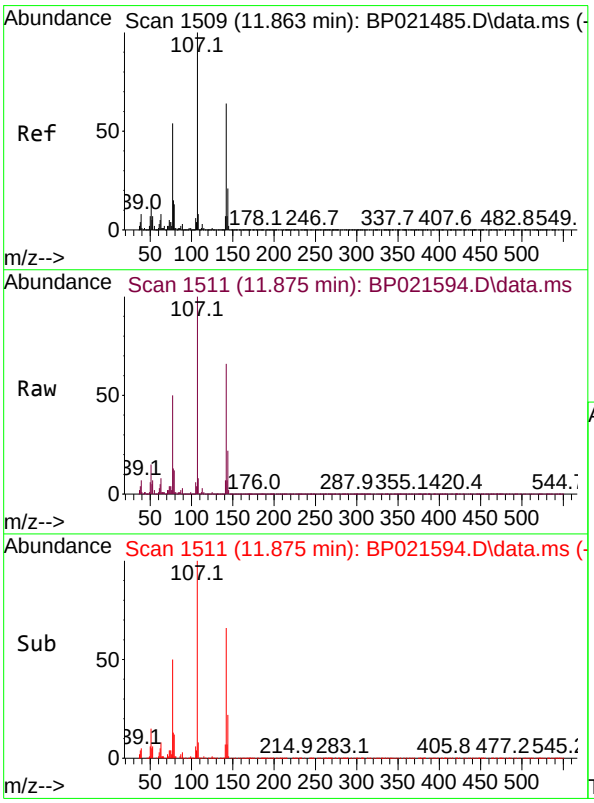
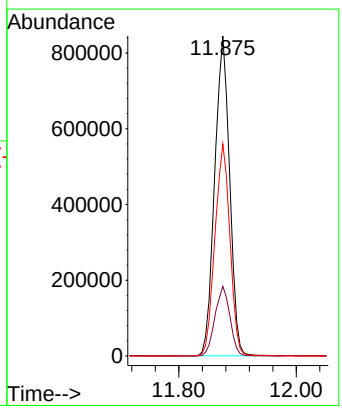


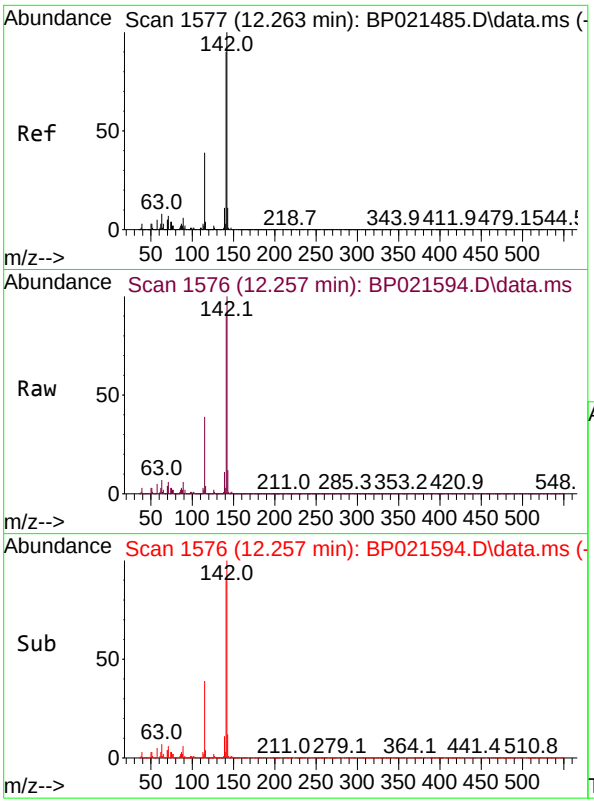


#36
4-Chloro-3-methylphenol
Concen: 48.834 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:107 Resp: 1491263

Ion	Ratio	Lower	Upper
107	100		
144	21.7	16.6	24.8
142	66.3	51.0	76.4

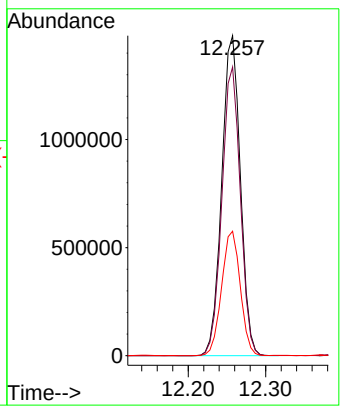




#37
2-Methylnaphthalene
Concen: 42.090 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:142 Resp: 247534

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.7	107.5
115	38.9	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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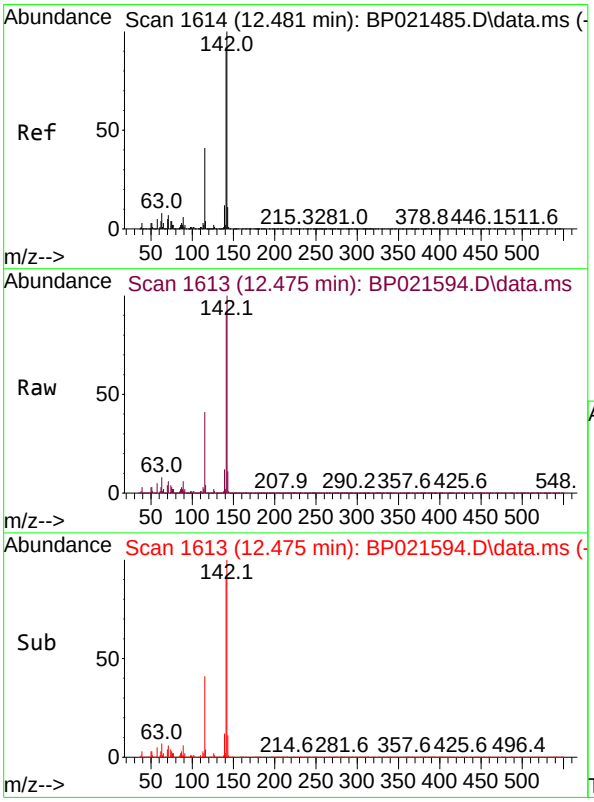
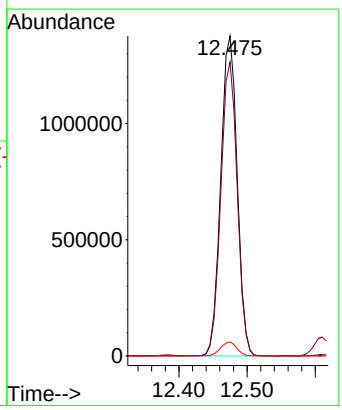
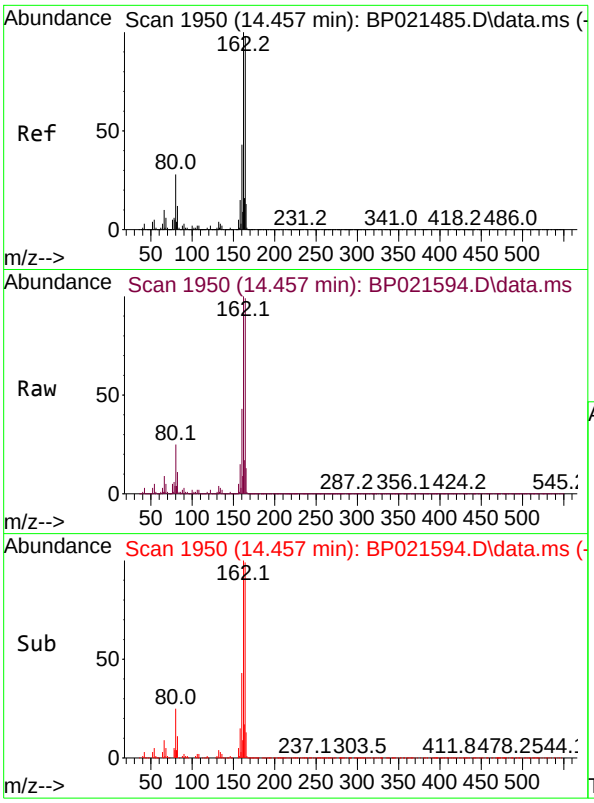


#38
1-Methylnaphthalene
Concen: 39.781 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:142 Resp: 2307433

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.5	110.3
116	4.4	3.4	5.2

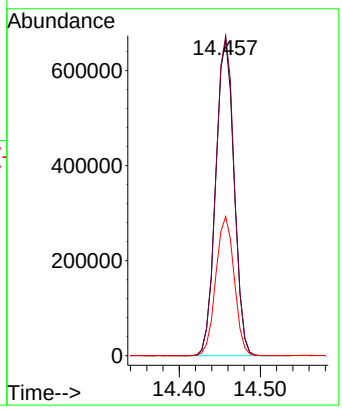




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:164 Resp: 104303

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.5	122.3
160	44.0	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
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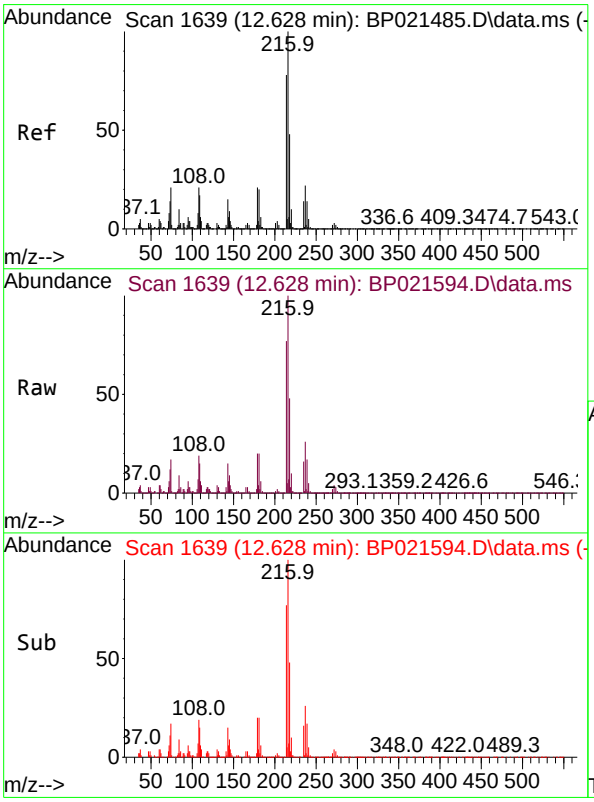
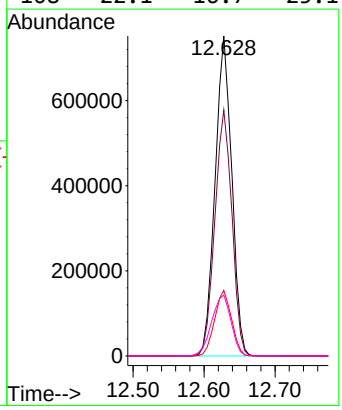
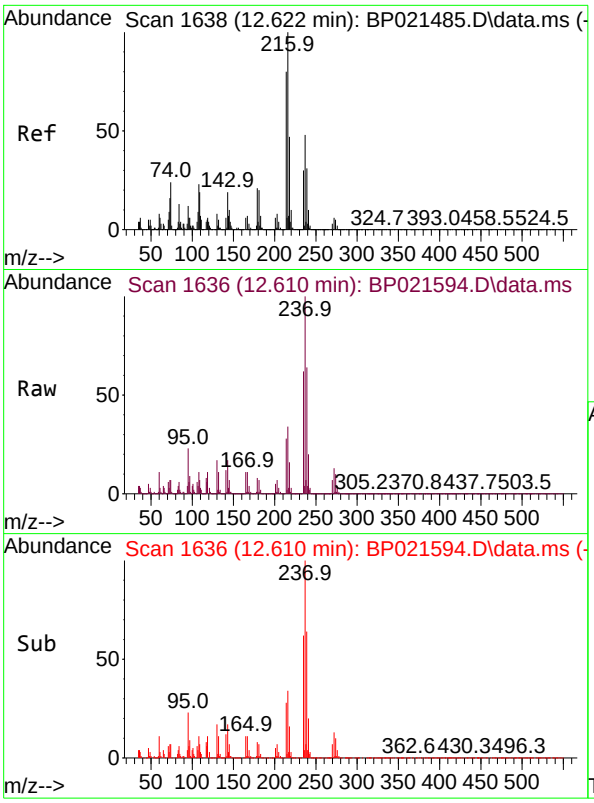


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.010 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:216 Resp: 1222750

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.5	93.7
179	20.8	16.4	24.6
108	22.1	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 113.481 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Instrument :
BNA_P
ClientSampleId :
PB162788BS

Tgt Ion:237 Resp: 109917

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.9	83.9
272	13.1	0.0	33.3

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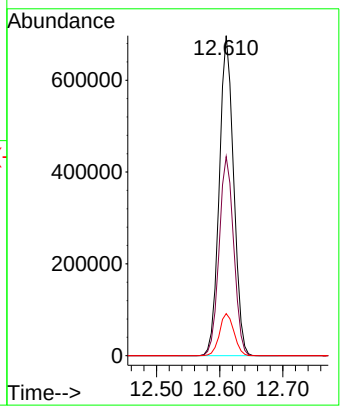
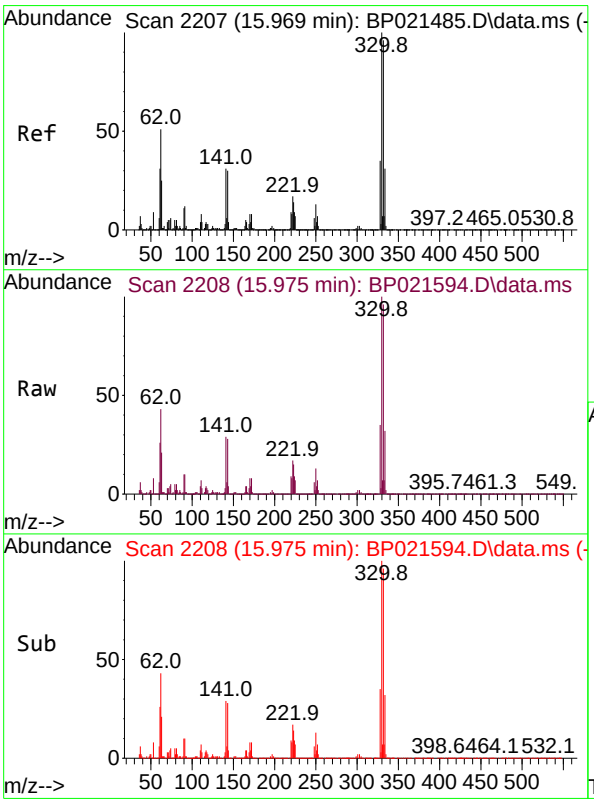
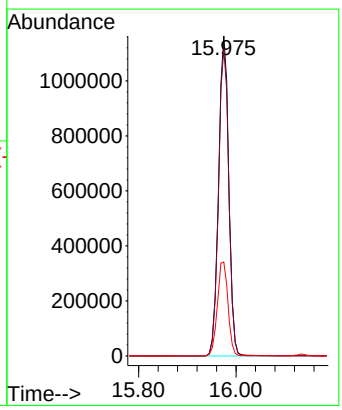


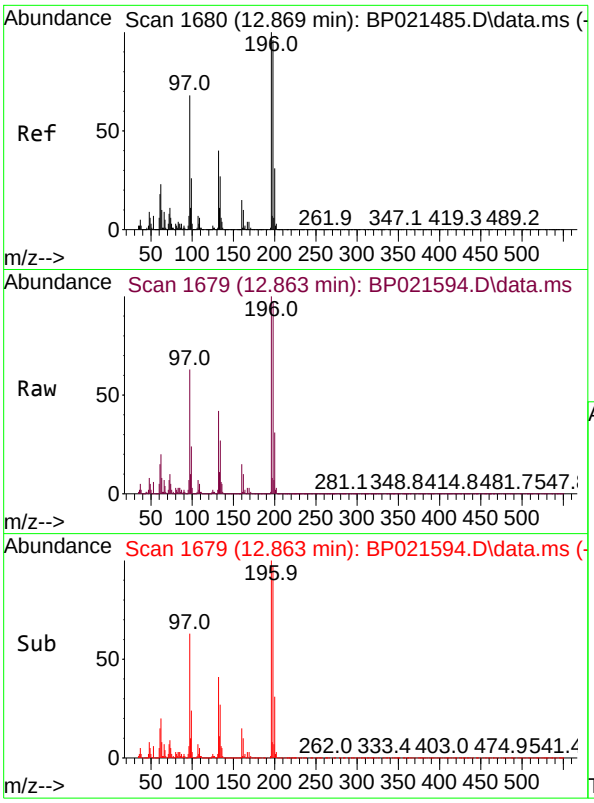


#42
2,4,6-Tribromophenol
Concen: 145.552 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:330 Resp: 1689654

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	30.6	24.5	36.7

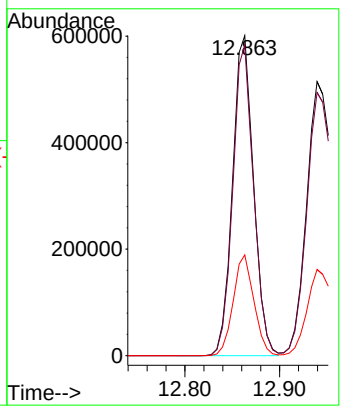




#43
2,4,6-Trichlorophenol
Concen: 54.540 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:196 Resp: 92588

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.6	114.8
200	31.5	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
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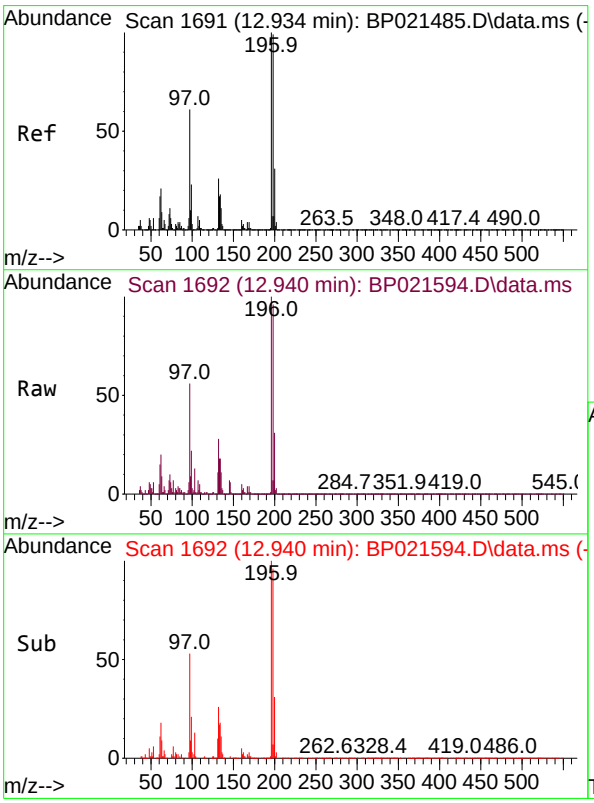
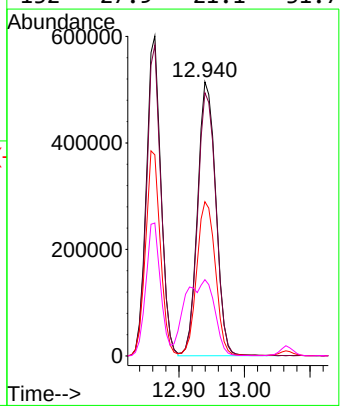
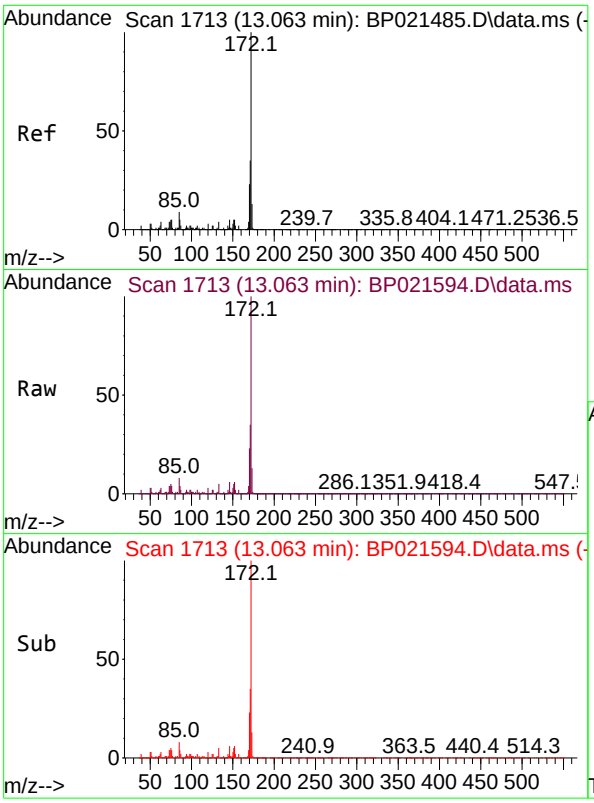


#44
2,4,5-Trichlorophenol
Concen: 52.741 ng
RT: 12.940 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:196 Resp: 994761

Ion	Ratio	Lower	Upper
196	100		
198	96.0	78.9	118.3
97	56.2	49.4	74.0
132	27.9	21.1	31.7

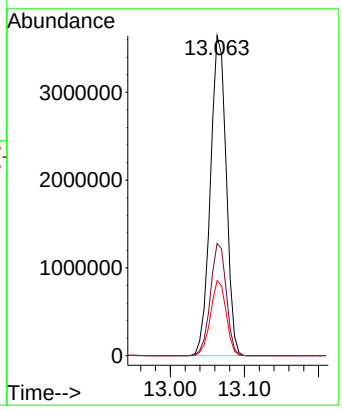




#45
2-Fluorobiphenyl
Concen: 78.750 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:172 Resp: 538209

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.5	18.4	27.6



Instrument :
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ClientSampleId :
PB162788BS

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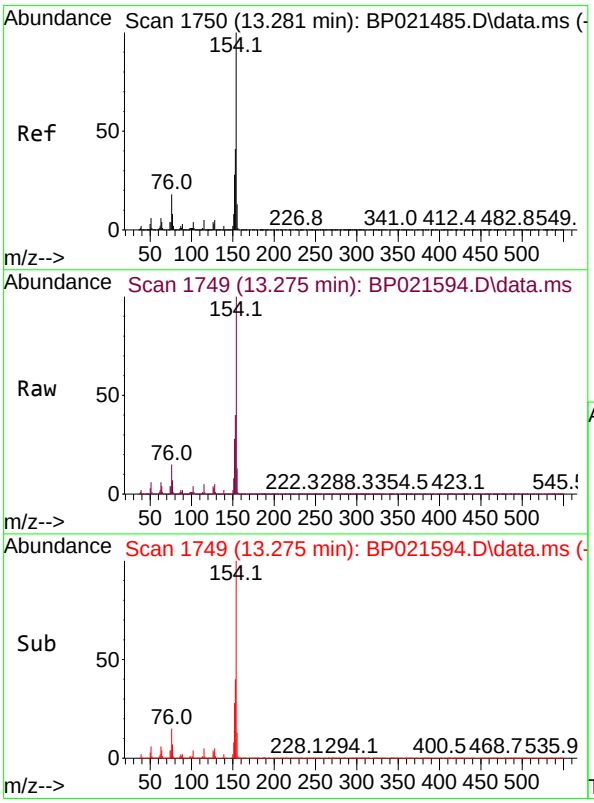
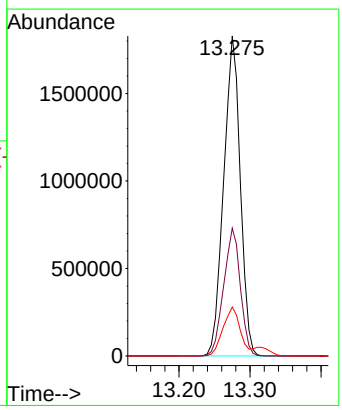
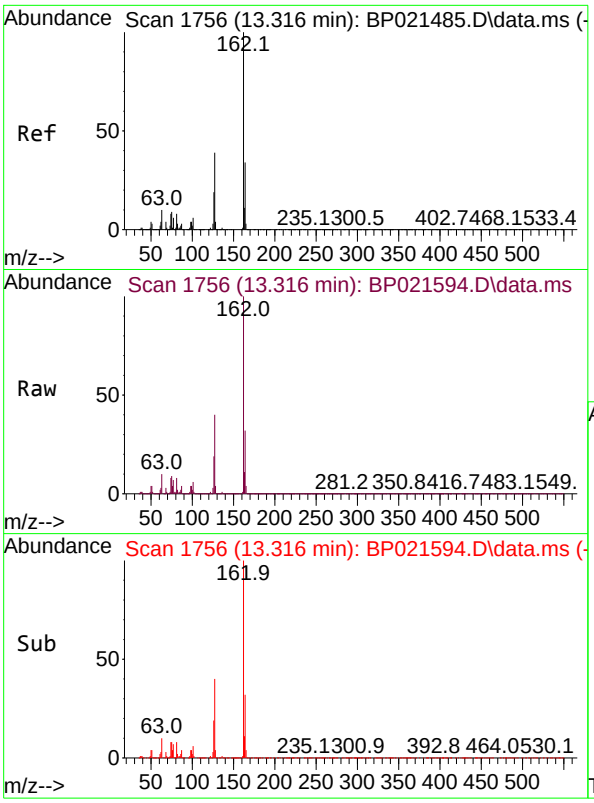


#46
1,1'-Biphenyl
Concen: 40.110 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:154 Resp: 2959960

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.7	60.7
76	15.3	0.0	37.7

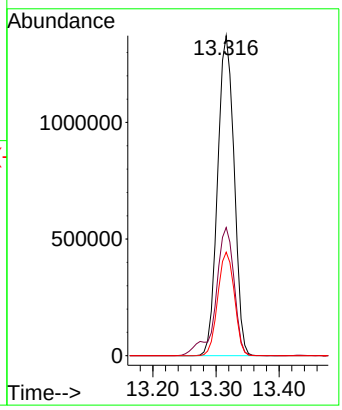




#47
2-Chloronaphthalene
Concen: 43.346 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:162 Resp: 249036

Ion	Ratio	Lower	Upper
162	100		
127	40.0	31.9	47.9
164	32.4	26.8	40.2



Instrument :
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ClientSampleId :
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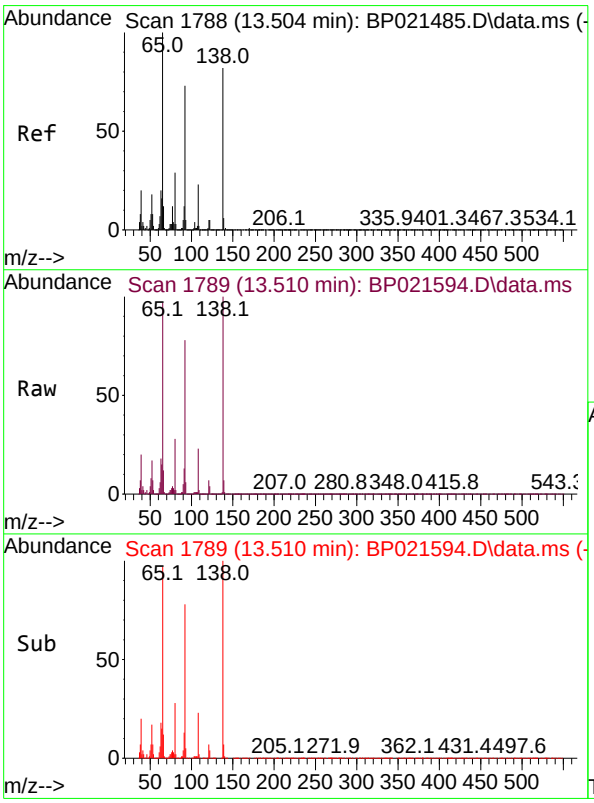
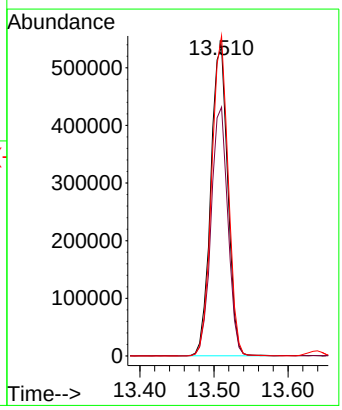
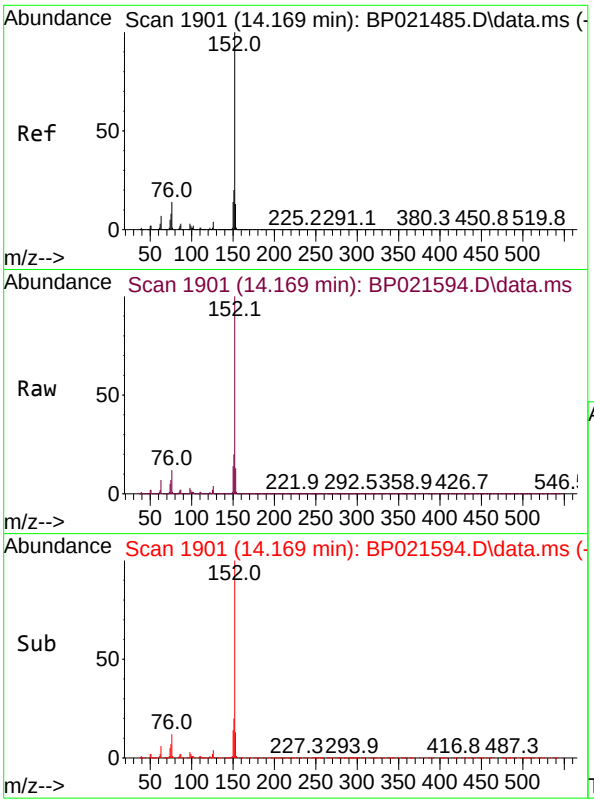


#48
2-Nitroaniline
Concen: 52.599 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion: 65 Resp: 855860

Ion	Ratio	Lower	Upper
65	100		
92	80.5	58.1	87.1
138	103.5	65.5	98.3#

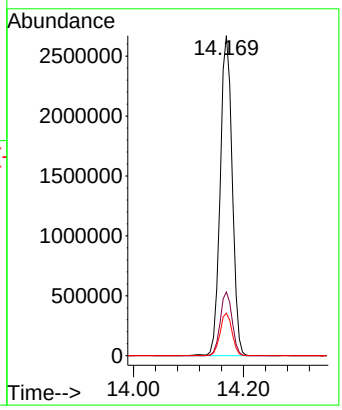




#49
Acenaphthylene
Concen: 47.745 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:152 Resp: 403245

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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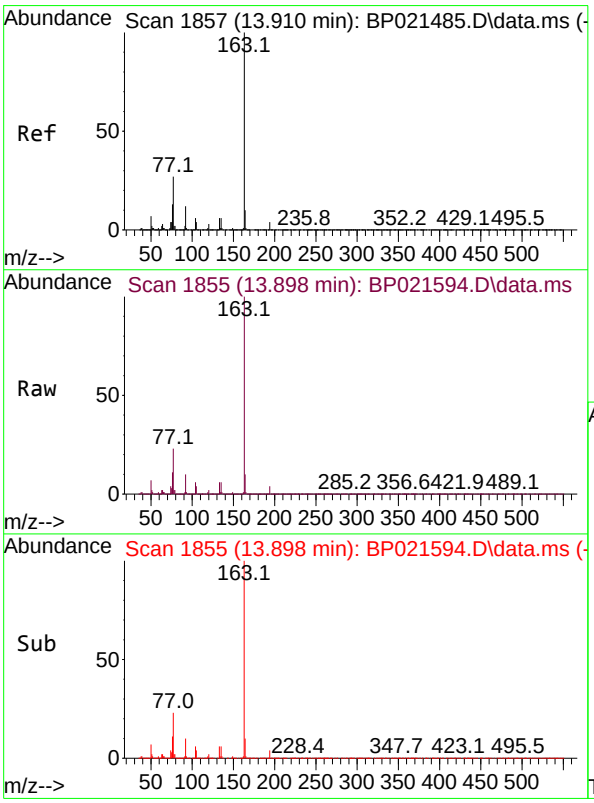
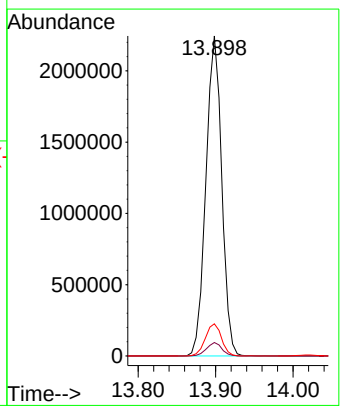
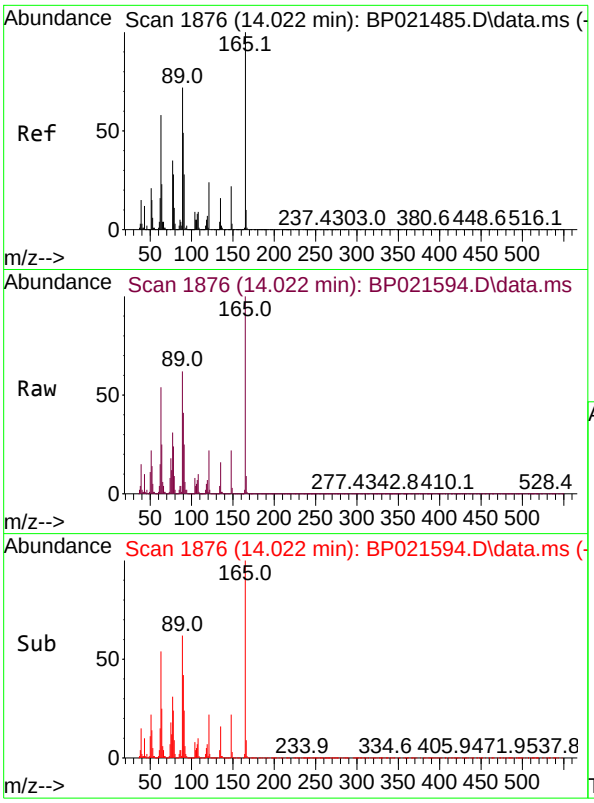


#50
Dimethylphthalate
Concen: 45.510 ng
RT: 13.898 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:163 Resp: 3178935

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.3	12.5

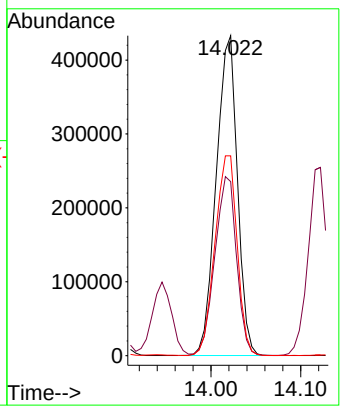




#51
2,6-Dinitrotoluene
Concen: 50.126 ng
RT: 14.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:165 Resp: 70910

Ion	Ratio	Lower	Upper
165	100		
63	54.4	51.5	77.3
89	62.5	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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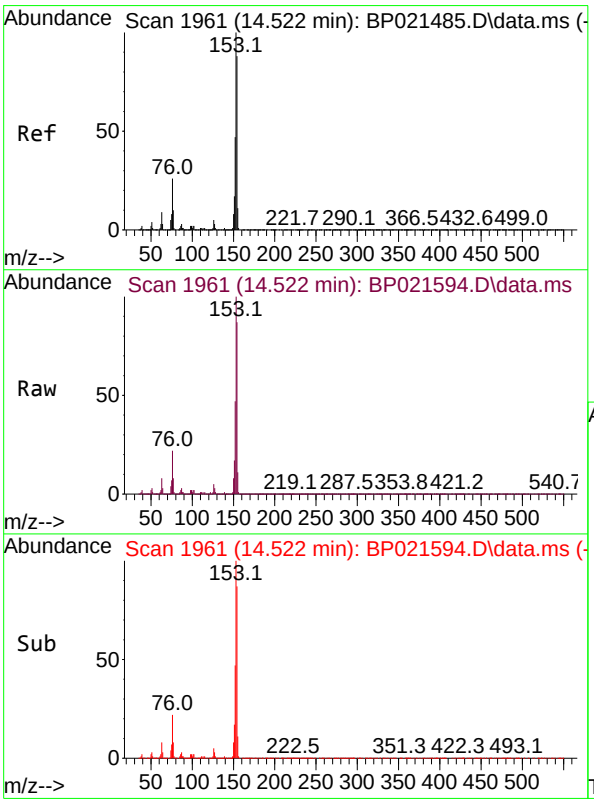
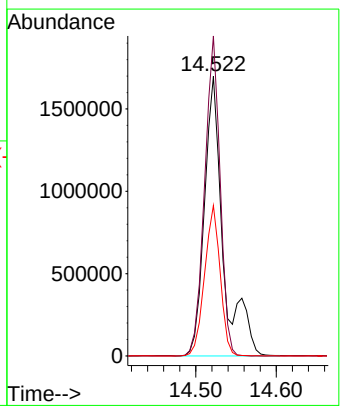
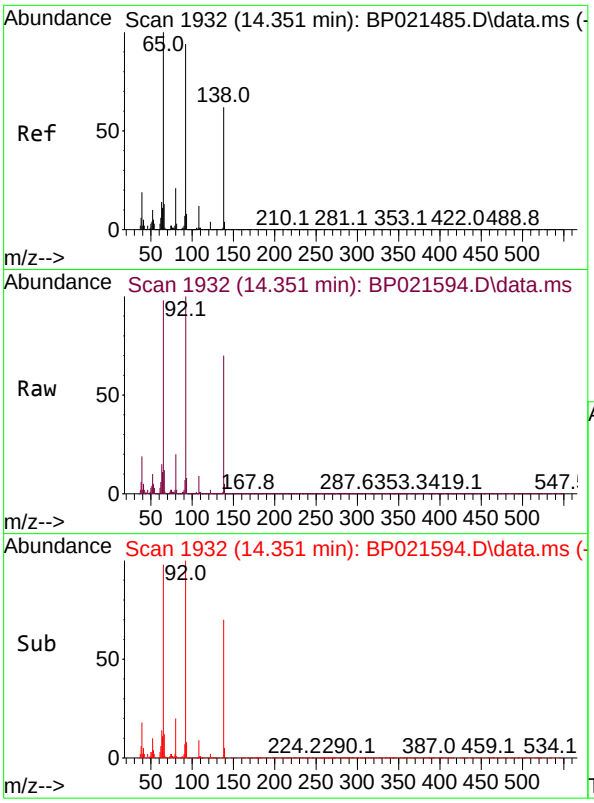


#52
Acenaphthene
Concen: 49.836 ng m
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:154 Resp: 2761713

Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.1	136.7
152	53.8	43.0	64.4





#53
3-Nitroaniline
Concen: 43.317 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:138 Resp: 59425

Ion	Ratio	Lower	Upper
138	100		
108	12.9	16.2	24.4#
92	142.7	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
PB162788BS

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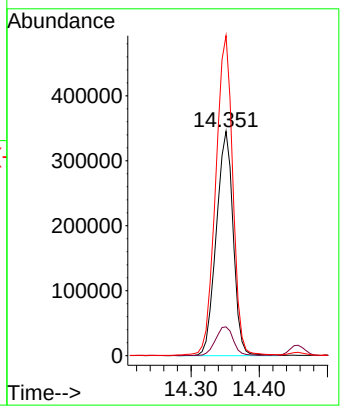
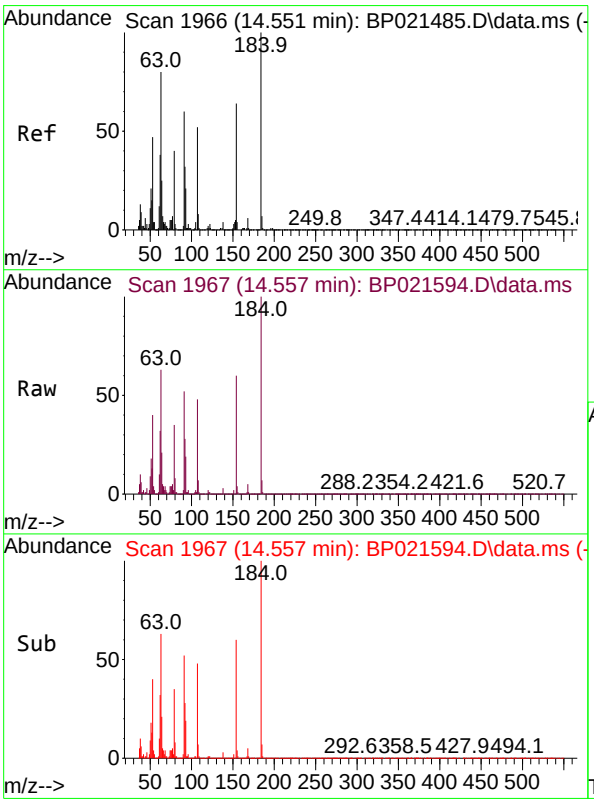
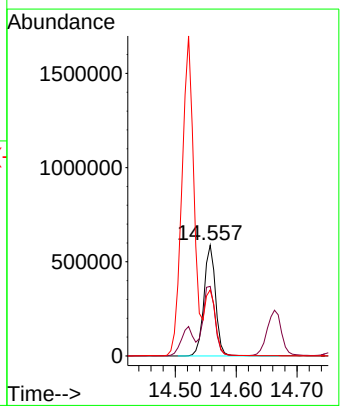


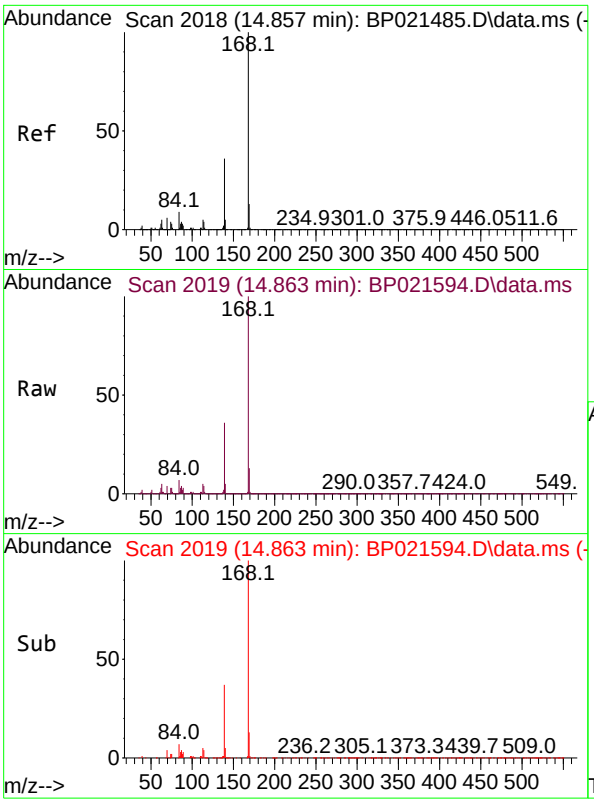


#54
2,4-Dinitrophenol
Concen: 123.232 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:184 Resp: 779718

Ion	Ratio	Lower	Upper
184	100		
63	62.8	64.9	97.3#
154	59.7	52.1	78.1

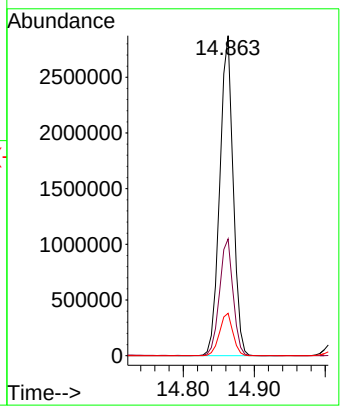




#55
Dibenzofuran
Concen: 43.881 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:168 Resp: 374078

Ion	Ratio	Lower	Upper
168	100		
139	36.5	28.6	43.0
169	13.2	10.6	16.0



Instrument :
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ClientSampleId :
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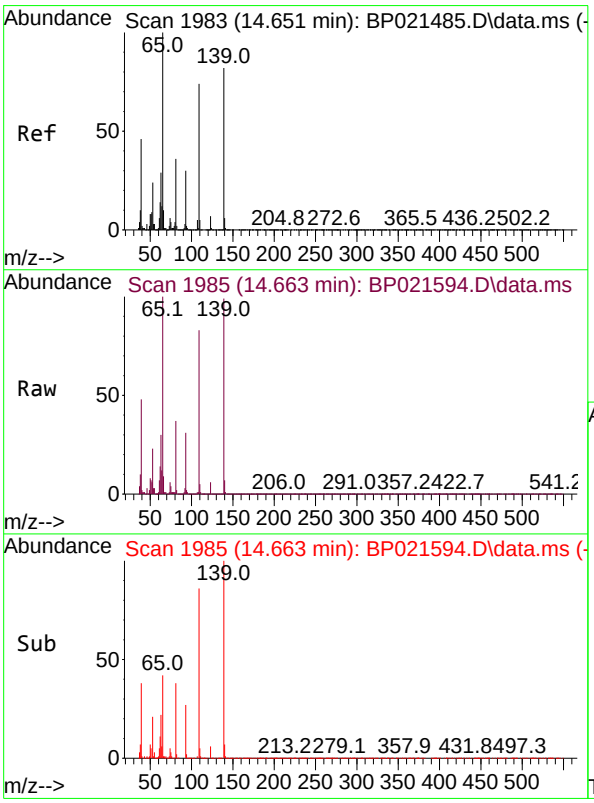
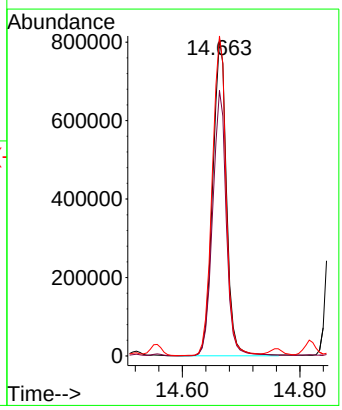
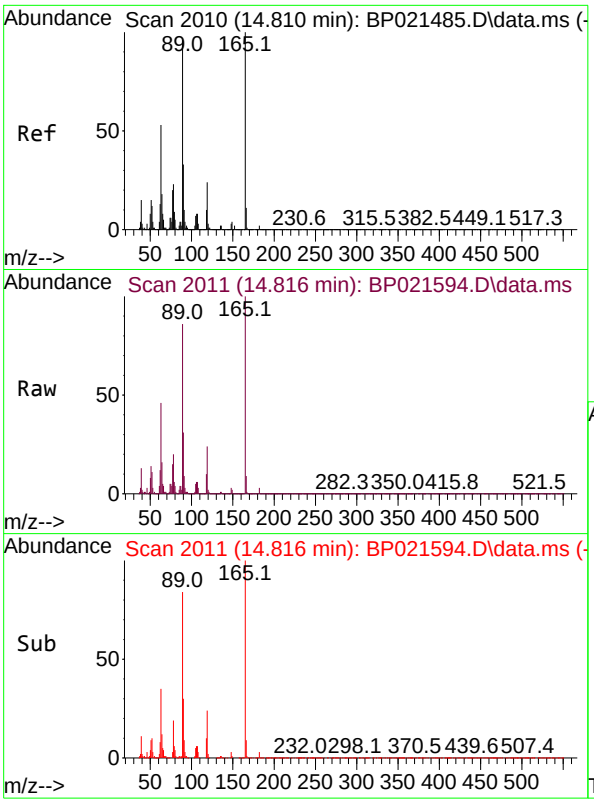


#56
4-Nitrophenol
Concen: 111.298 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:139 Resp: 1313936

Ion	Ratio	Lower	Upper
139	100		
109	83.8	70.2	110.2
65	101.0	101.8	141.8#

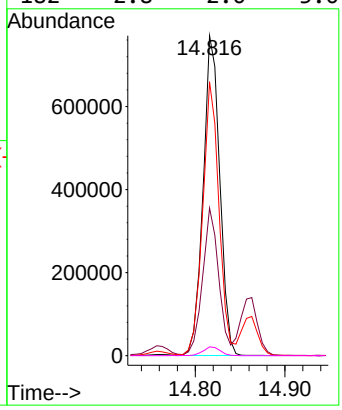




#57
2,4-Dinitrotoluene
Concen: 54.550 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:165 Resp: 99143

Ion	Ratio	Lower	Upper
165	100		
63	46.2	42.5	63.7
89	85.6	77.1	115.7
182	2.8	2.0	3.0



Instrument :
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ClientSampleId :
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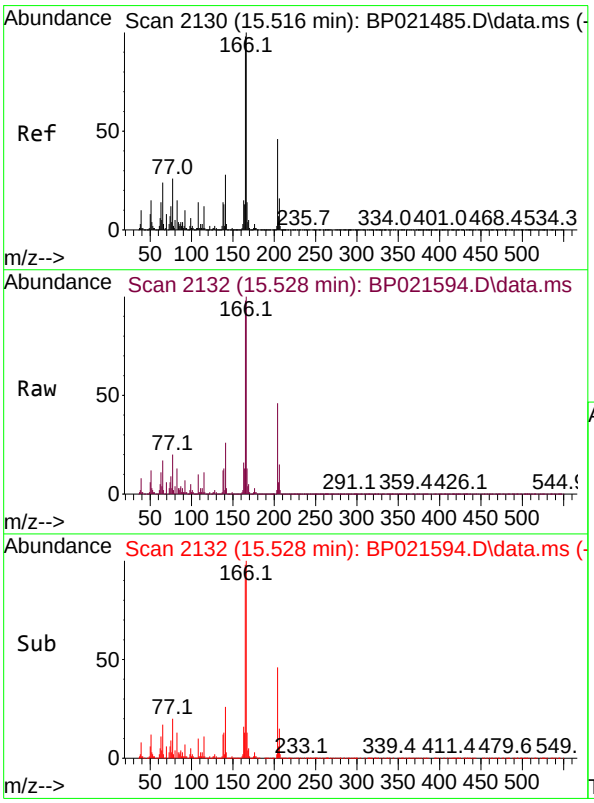
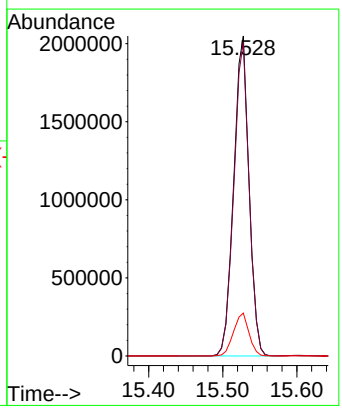
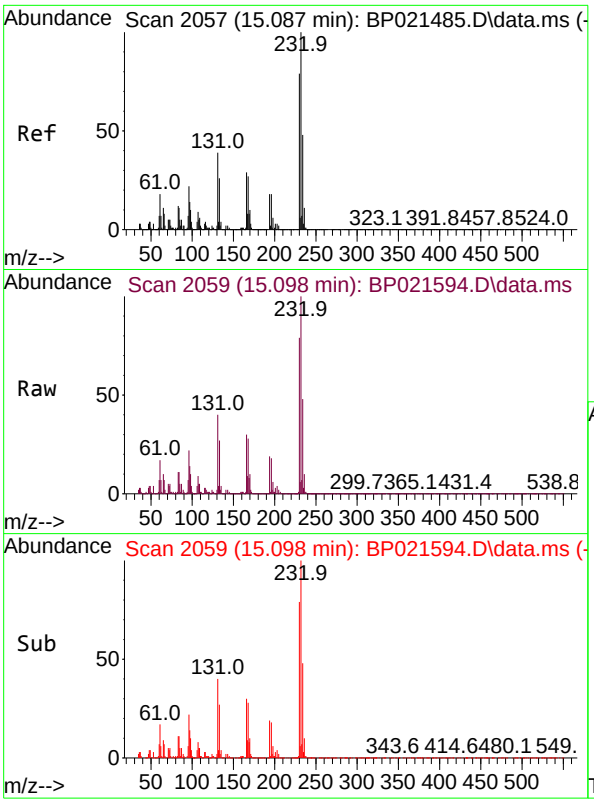


#58
Fluorene
Concen: 42.005 ng
RT: 15.528 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:166 Resp: 2941757

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.1	117.1
167	13.4	11.0	16.4

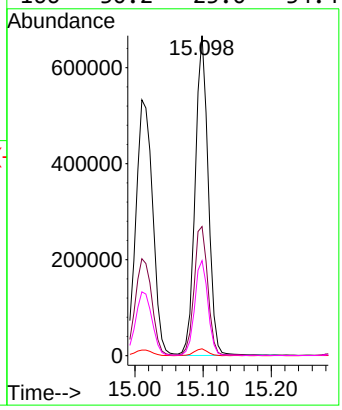




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.114 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:232 Resp: 88233

Ion	Ratio	Lower	Upper
232	100		
131	41.8	33.1	49.7
130	2.2	1.7	2.5
166	30.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
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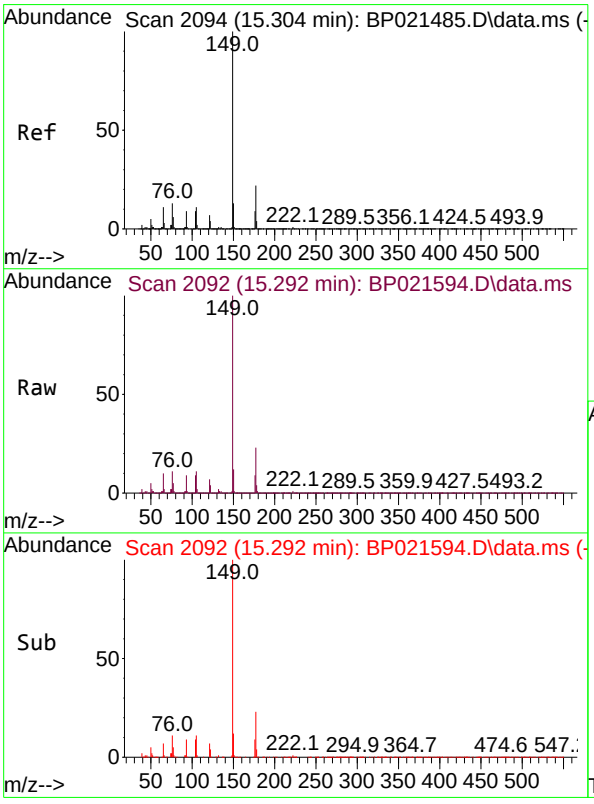
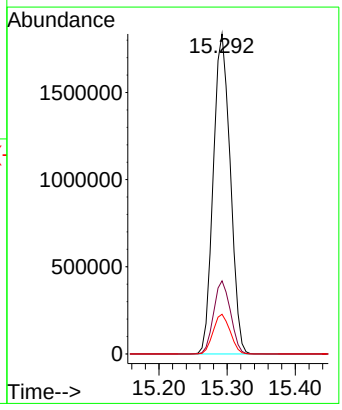
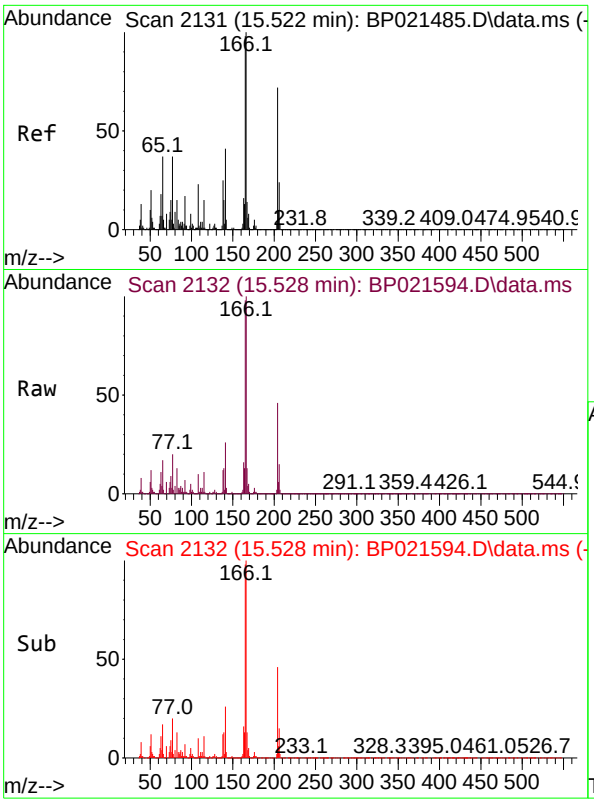


#60
Diethylphthalate
Concen: 44.382 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:149 Resp: 3180838

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.4	10.1	15.1

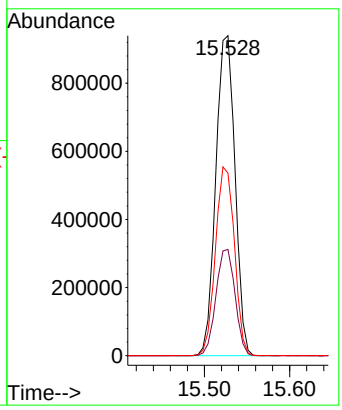




#61
4-Chlorophenyl-phenylether
Concen: 40.677 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:204 Resp: 147251

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	57.0	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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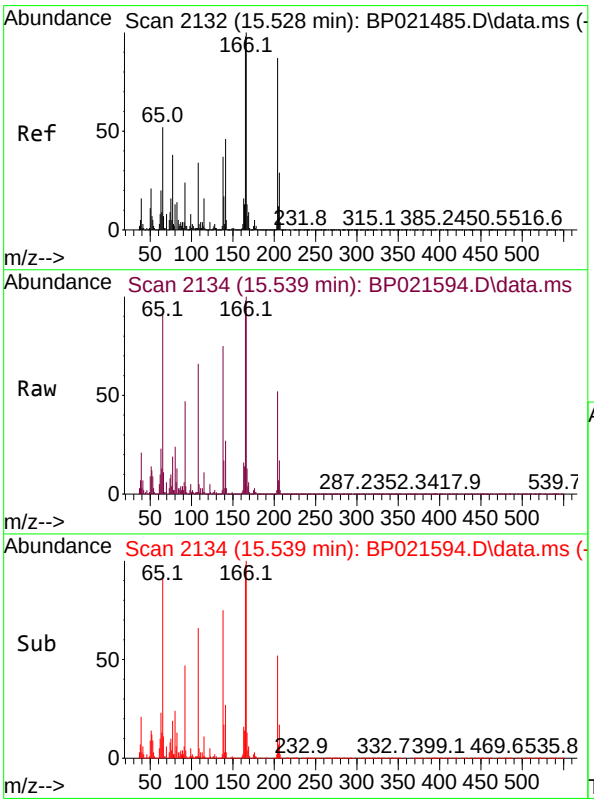
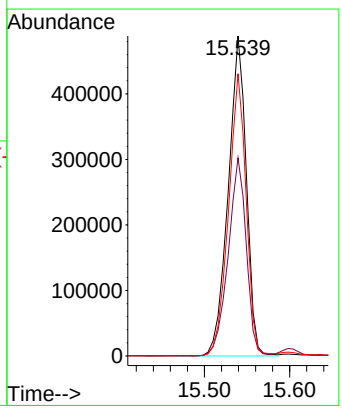
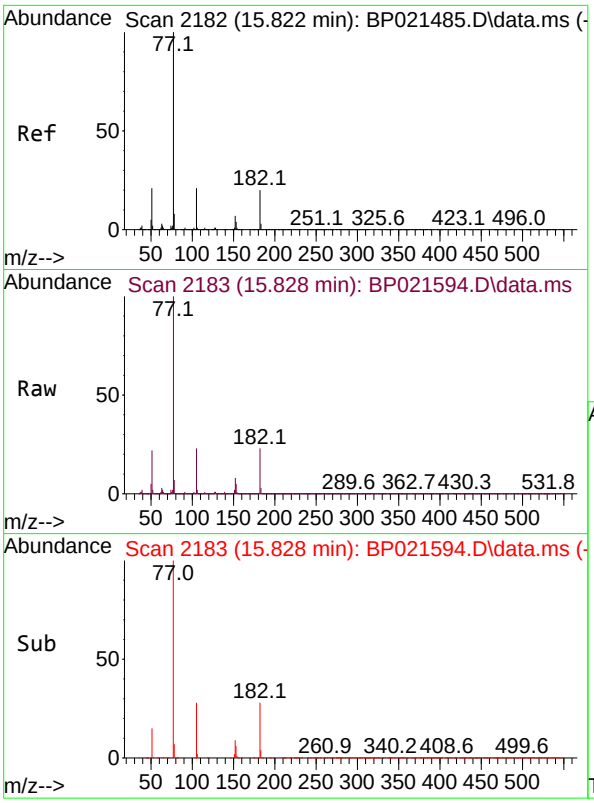


#62
4-Nitroaniline
Concen: 50.517 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:138 Resp: 721717

Ion	Ratio	Lower	Upper
138	100		
92	61.9	46.4	86.4
108	88.2	73.2	113.2





#63
Azobenzene
Concen: 39.124 ng
RT: 15.828 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Instrument :
BNA_P
ClientSampleId :
PB162788BS

Tgt Ion: 77 Resp: 344677

Ion	Ratio	Lower	Upper
77	100		
182	23.3	0.0	39.9
105	22.9	0.9	40.9
51	22.4	1.4	41.4

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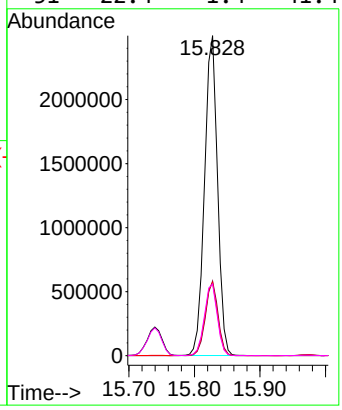
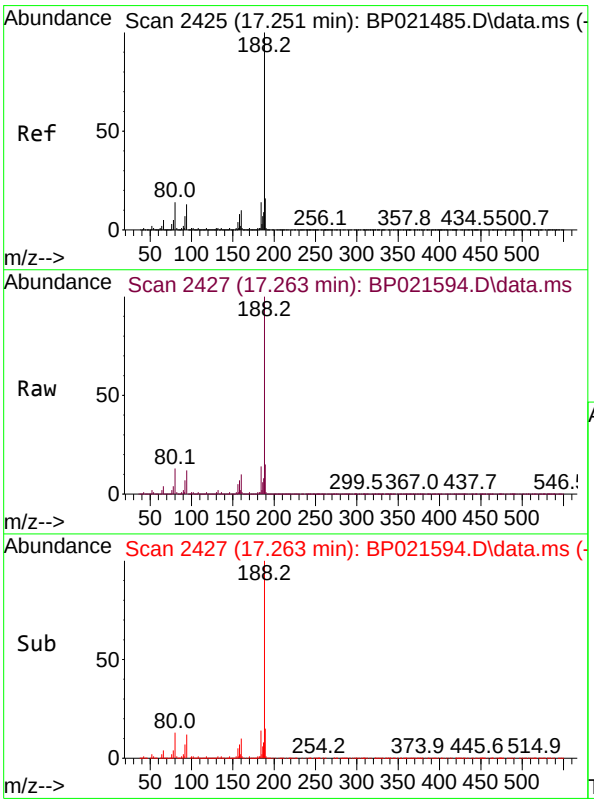
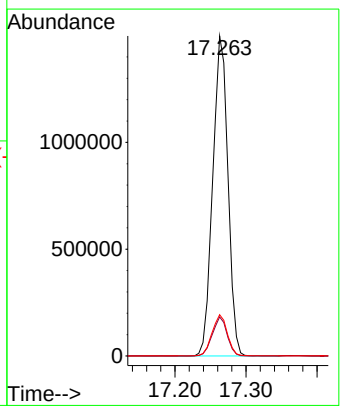


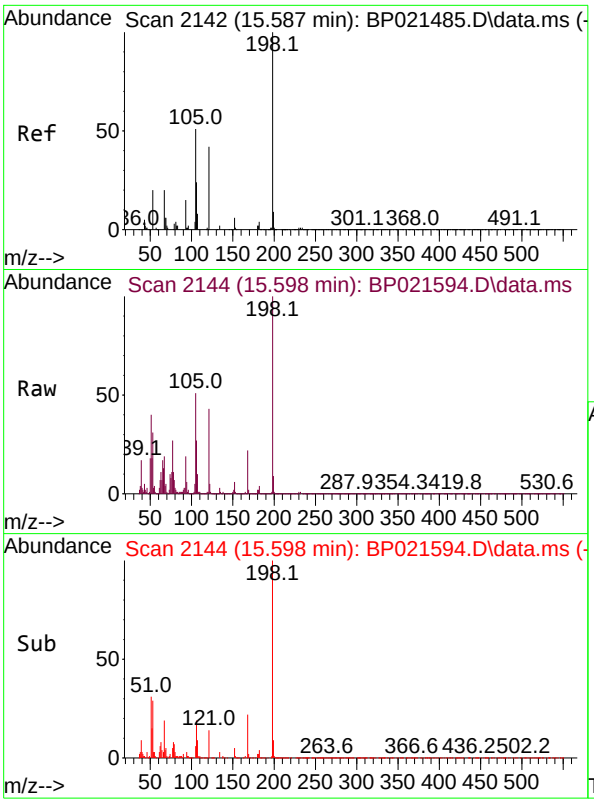


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:188 Resp: 2218669

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.4
80	12.9	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 69.816 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:198 Resp: 54643

Ion	Ratio	Lower	Upper
198	100		
51	39.9	21.5	61.5
105	51.3	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
PB162788BS

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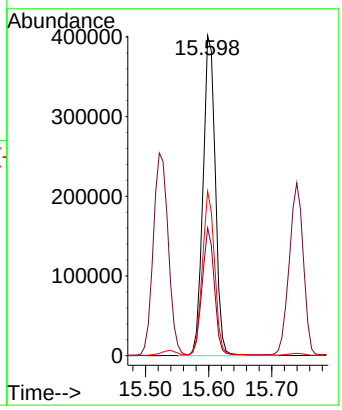
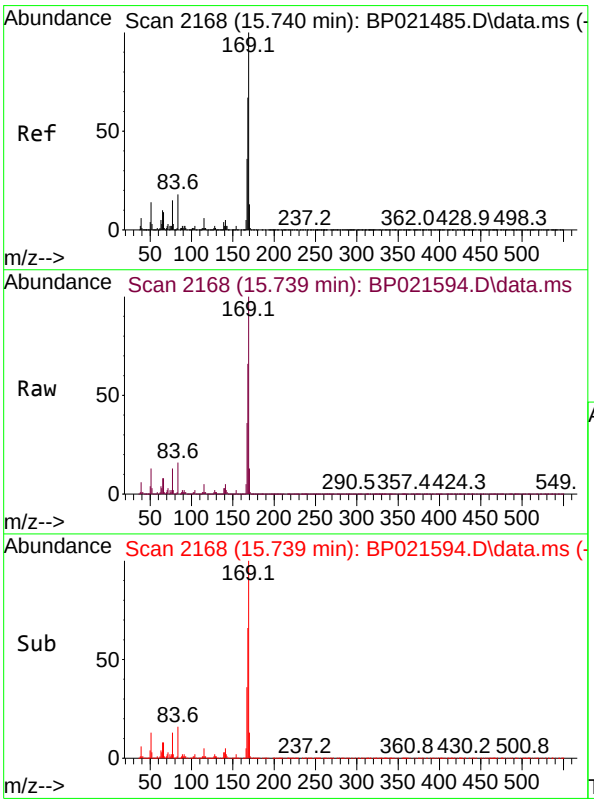
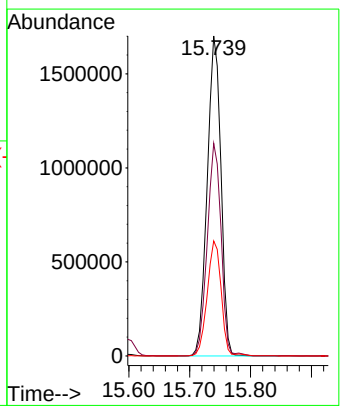


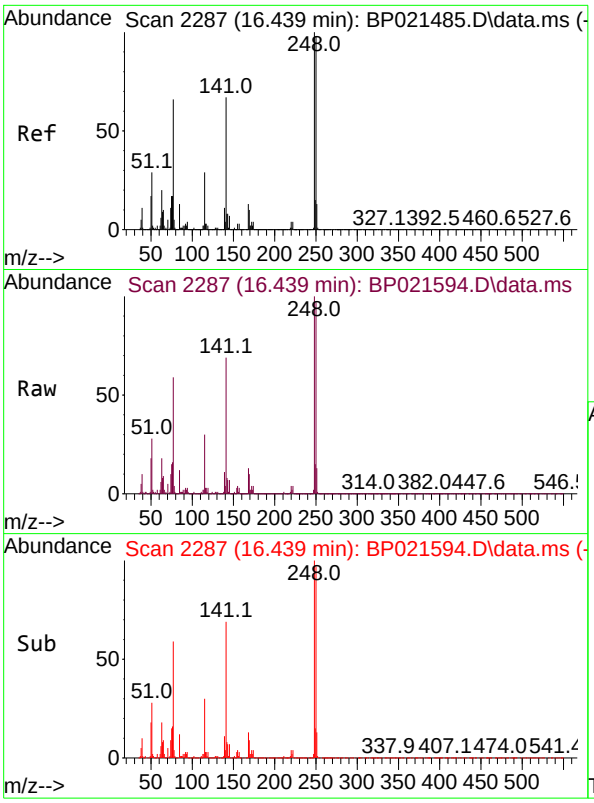


#66
n-Nitrosodiphenylamine
Concen: 44.683 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:169 Resp: 2656717

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.4	80.2
167	36.0	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 42.359 ng
RT: 16.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:248 Resp: 99465

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.6	117.8
141	69.0	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
PB162788BS

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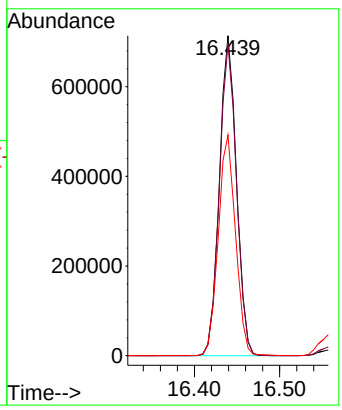
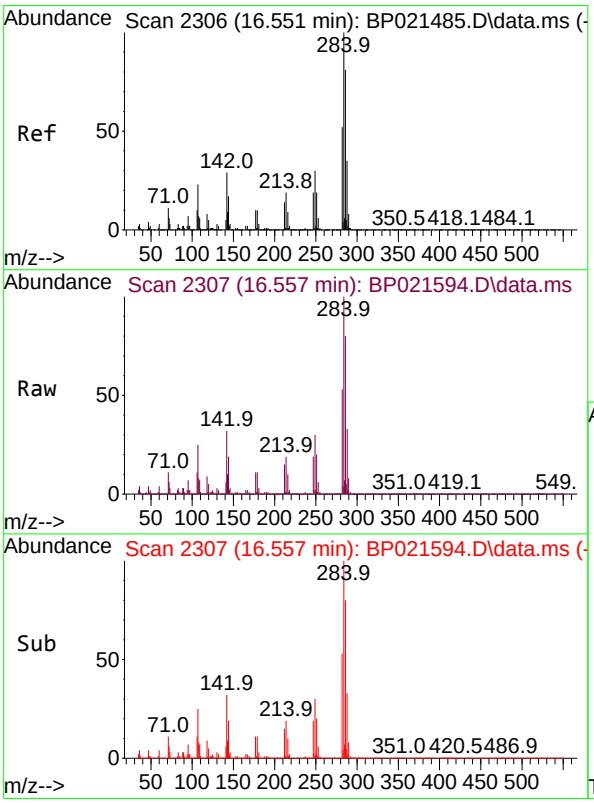
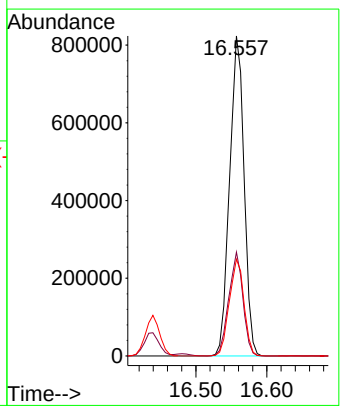


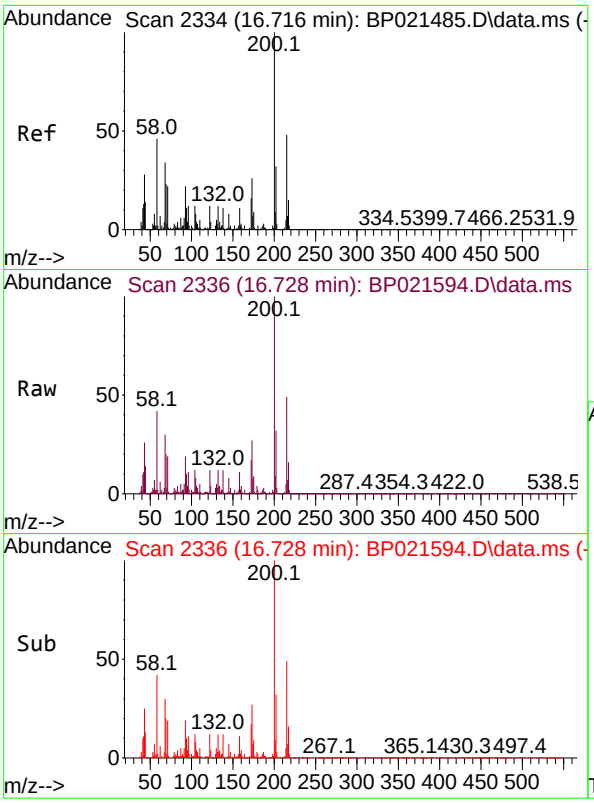


#68
Hexachlorobenzene
Concen: 42.007 ng
RT: 16.557 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:284 Resp: 1165677

Ion	Ratio	Lower	Upper
284	100		
142	32.5	23.4	35.2
249	30.3	24.1	36.1

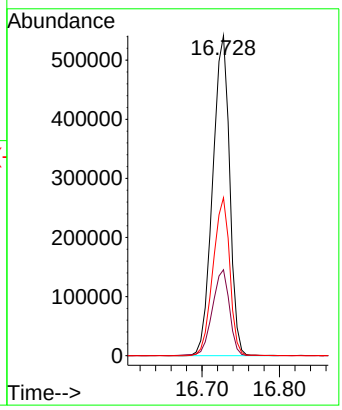




#69
Atrazine
Concen: 40.209 ng
RT: 16.728 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:200 Resp: 82080

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.2	46.2
215	49.4	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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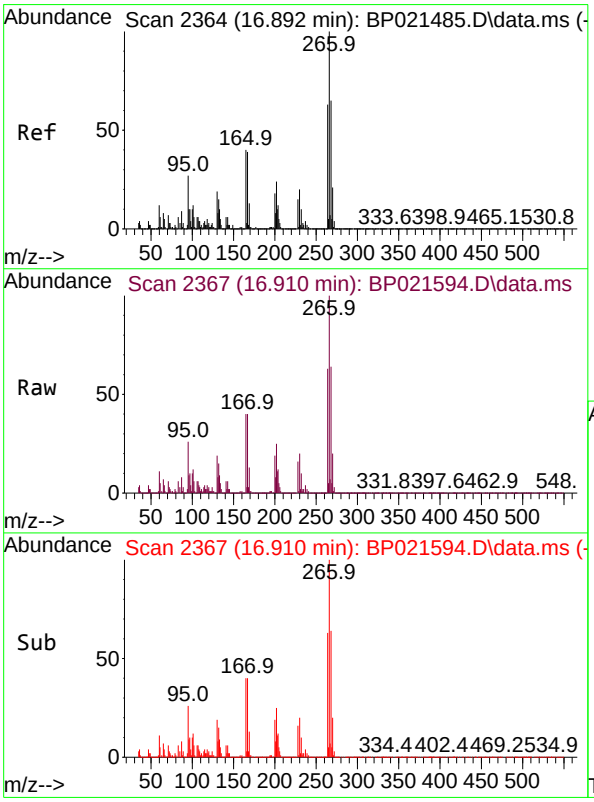
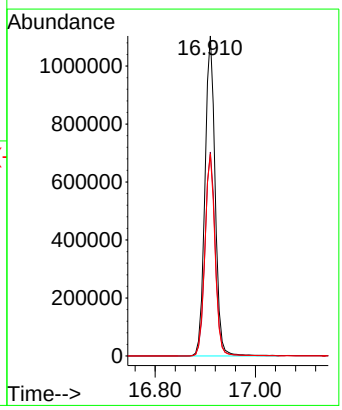
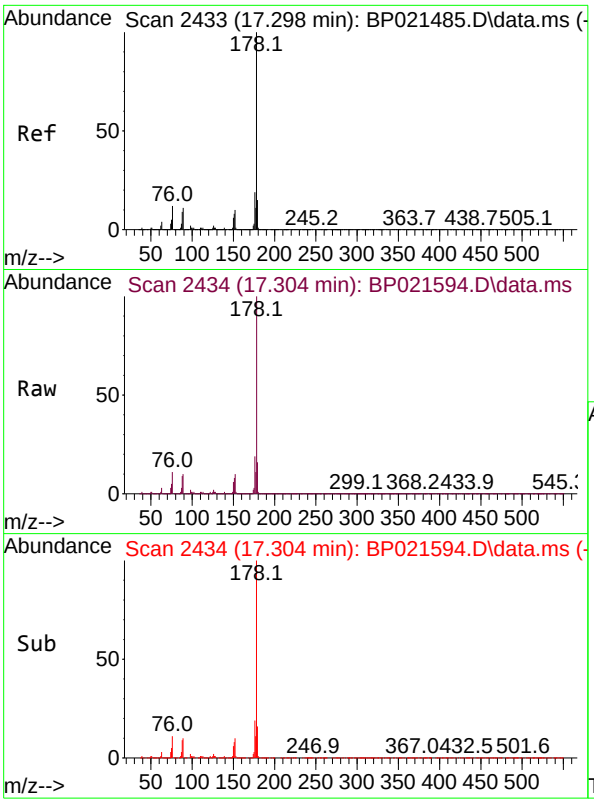


#70
Pentachlorophenol
Concen: 102.740 ng
RT: 16.910 min Scan# 2367
Delta R.T. 0.018 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:266 Resp: 1556069

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.8	77.6
264	63.0	50.5	75.7

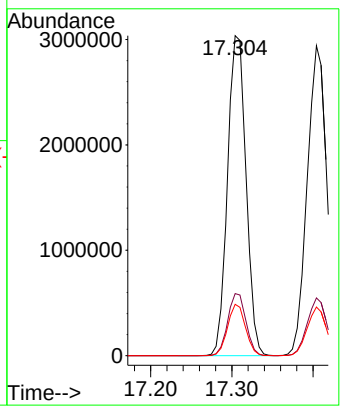




#71
Phenanthrene
Concen: 45.047 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:178 Resp: 480656

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.0	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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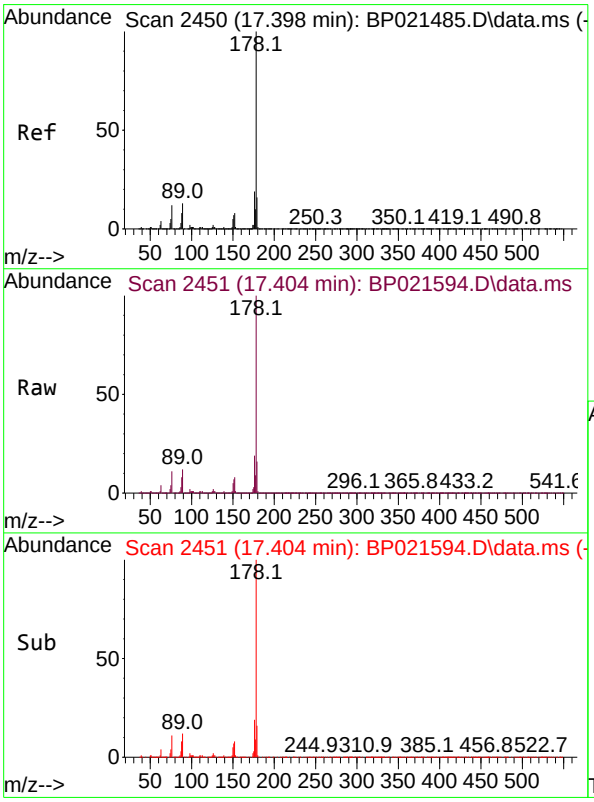
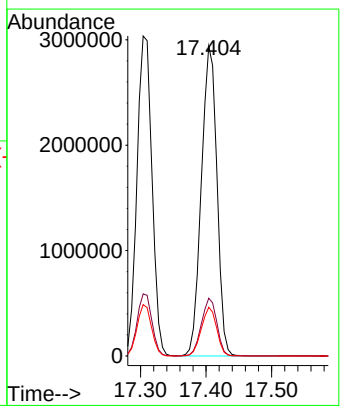
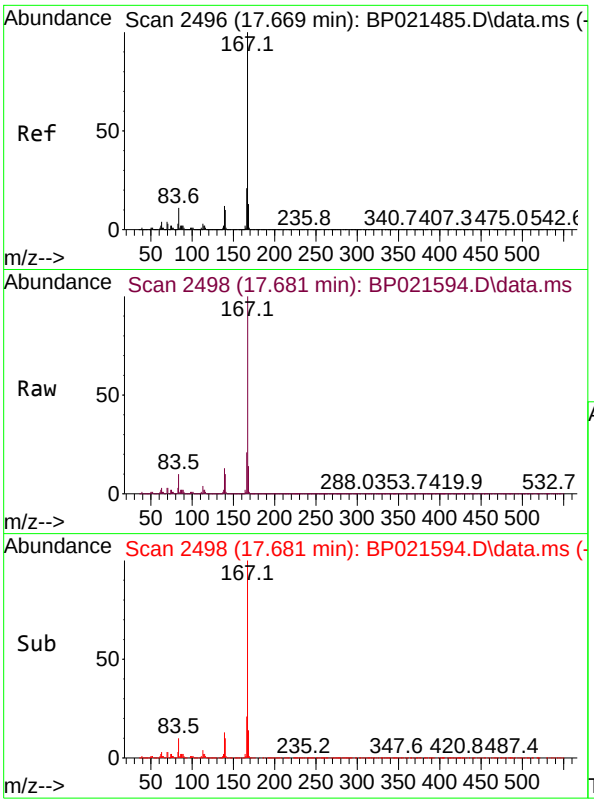


#72
Anthracene
Concen: 46.571 ng
RT: 17.404 min Scan# 2451
Delta R.T. 0.006 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:178 Resp: 4873321

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.7	12.5	18.7

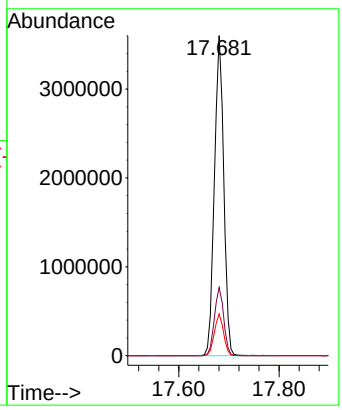




#73
Carbazole
Concen: 46.024 ng
RT: 17.681 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:167 Resp: 464144

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	13.0	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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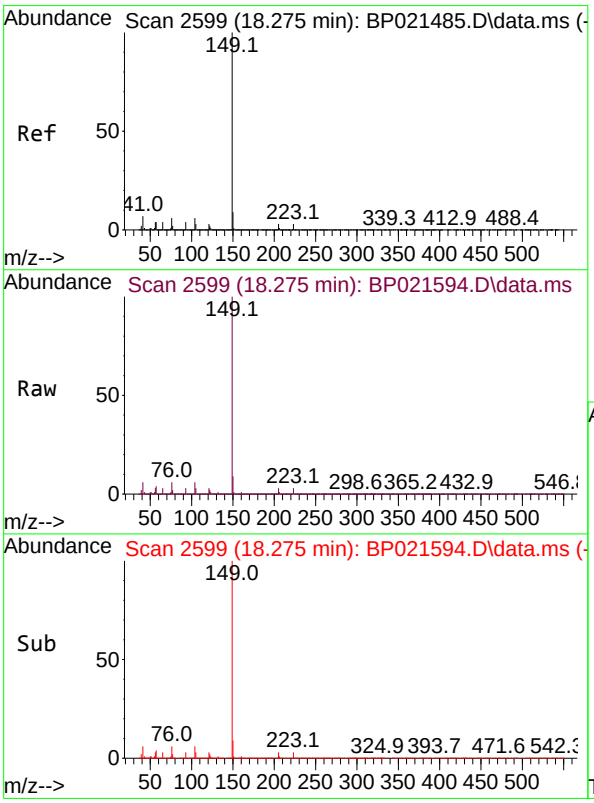
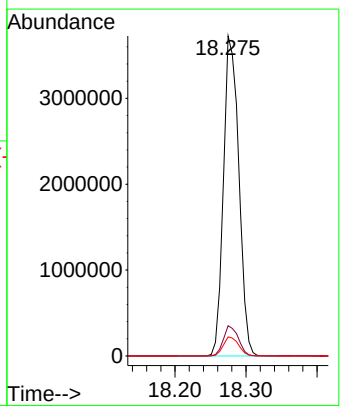
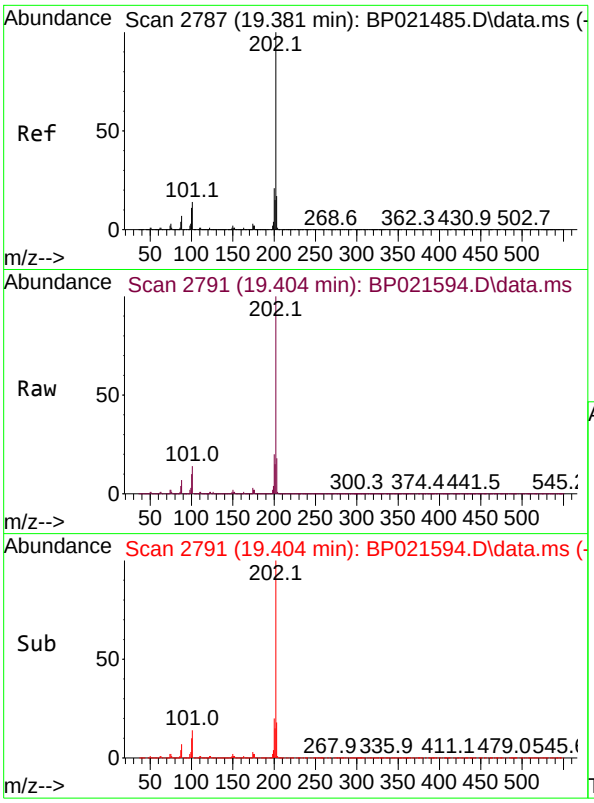


#74
Di-n-butylphthalate
Concen: 45.069 ng
RT: 18.275 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:149 Resp: 5581934

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.9	4.9	7.3

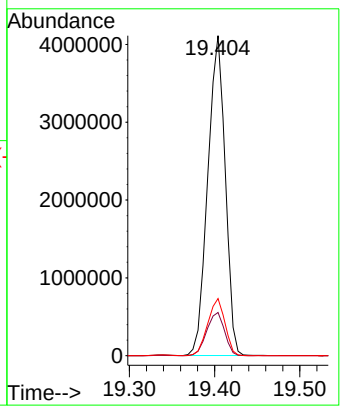




#75
Fluoranthene
Concen: 44.700 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:202 Resp: 585207

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.0
203	17.8	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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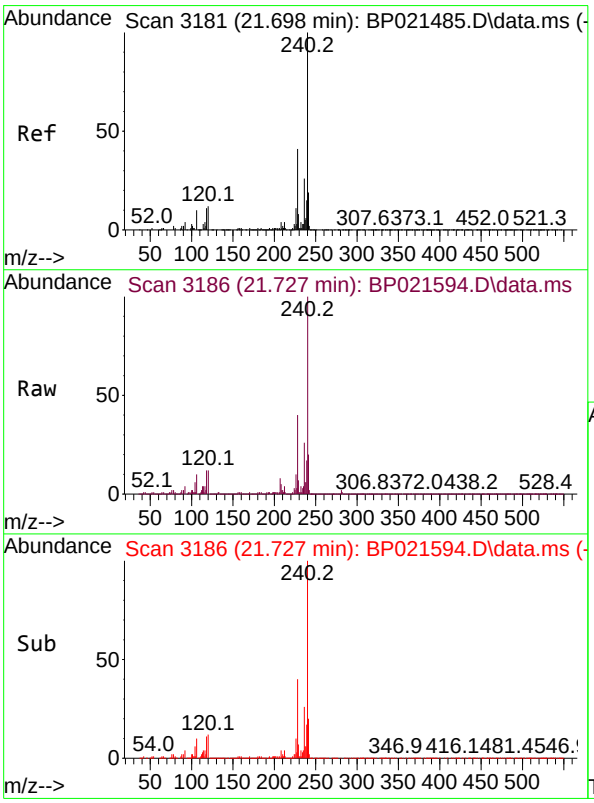
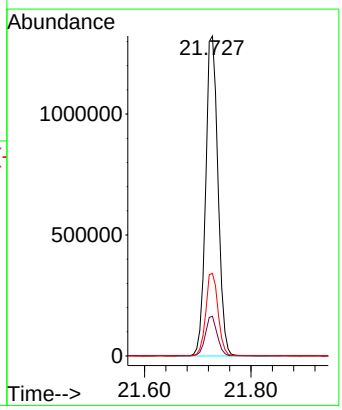
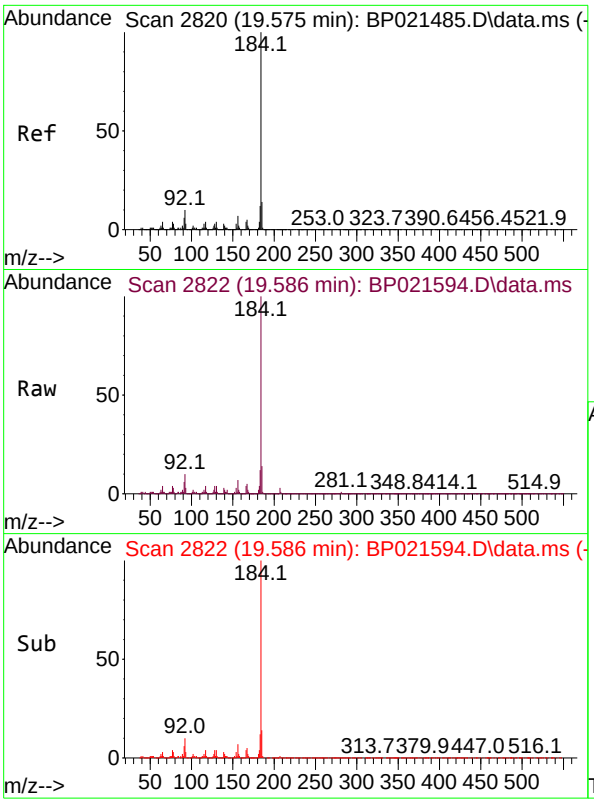


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3186
Delta R.T. 0.029 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:240 Resp: 2116508

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.9	14.9
236	25.8	20.6	30.8

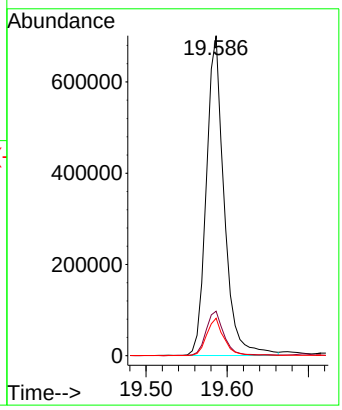




#77
Benzidine
Concen: 22.247 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:184 Resp: 106527

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
PB162788BS

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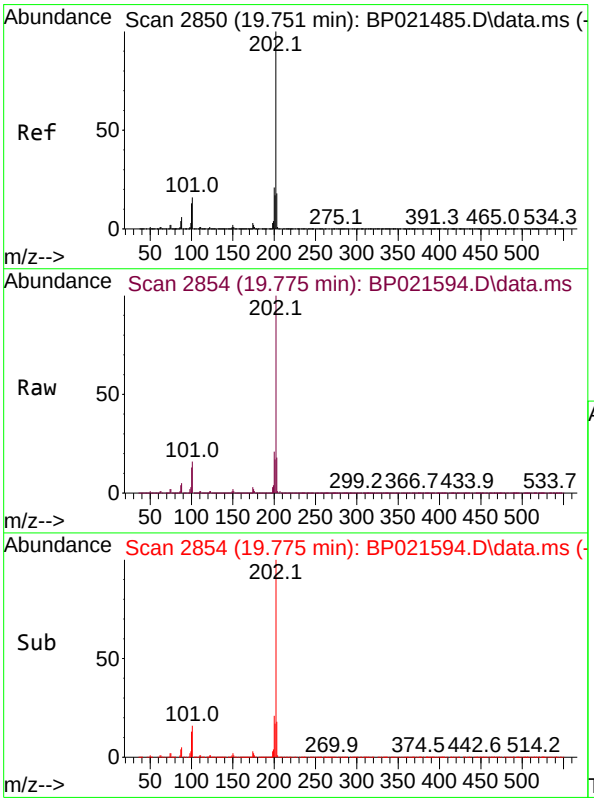
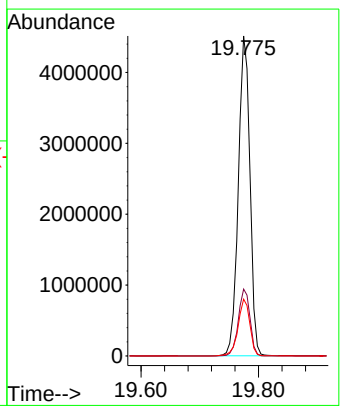
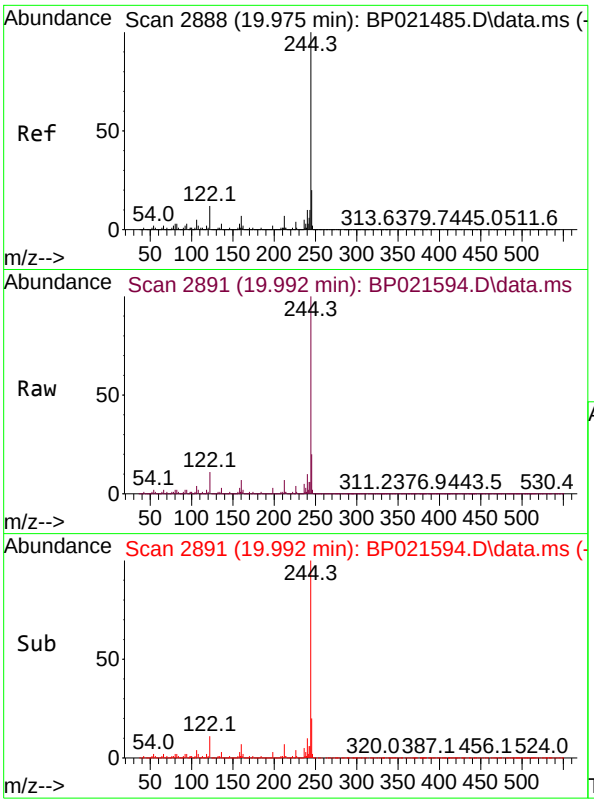


#78
Pyrene
Concen: 44.853 ng
RT: 19.775 min Scan# 2854
Delta R.T. 0.023 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:202 Resp: 6204857

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1

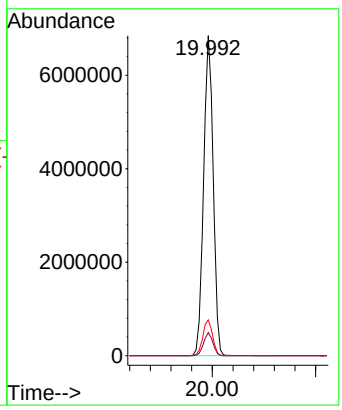




#79
Terphenyl-d14
Concen: 80.692 ng
RT: 19.992 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:244 Resp: 879099

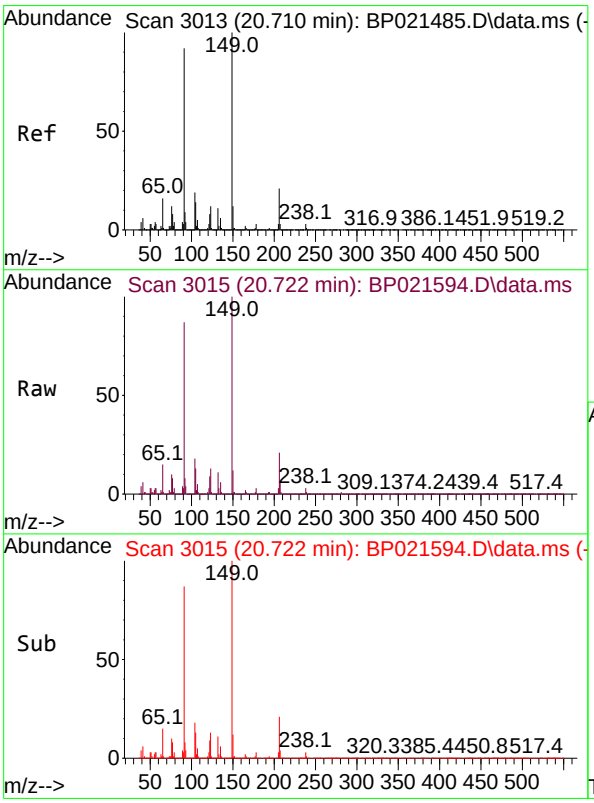
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.2	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
APPROVED

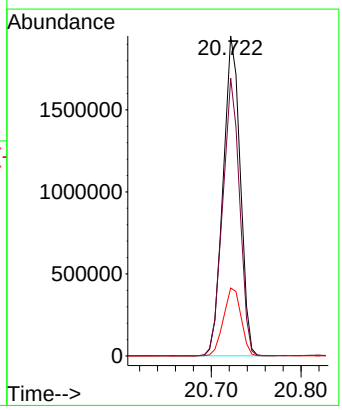
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

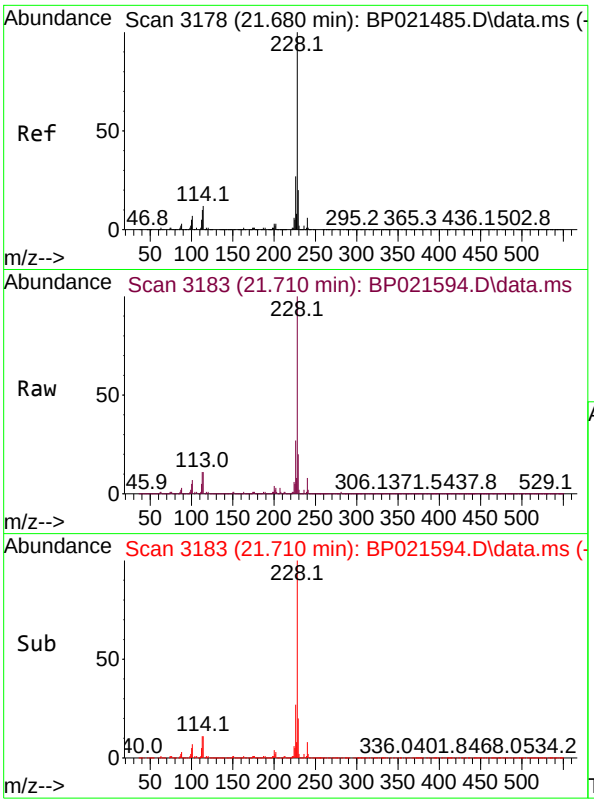


#80
Butylbenzylphthalate
Concen: 49.083 ng
RT: 20.722 min Scan# 3015
Delta R.T. 0.012 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:149 Resp: 2581686

Ion	Ratio	Lower	Upper
149	100		
91	86.9	73.3	109.9
206	21.3	17.1	25.7





#81
Benzo(a)anthracene
Concen: 46.197 ng
RT: 21.710 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

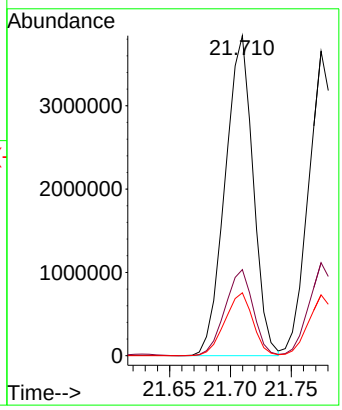
Tgt Ion:228 Resp: 613797

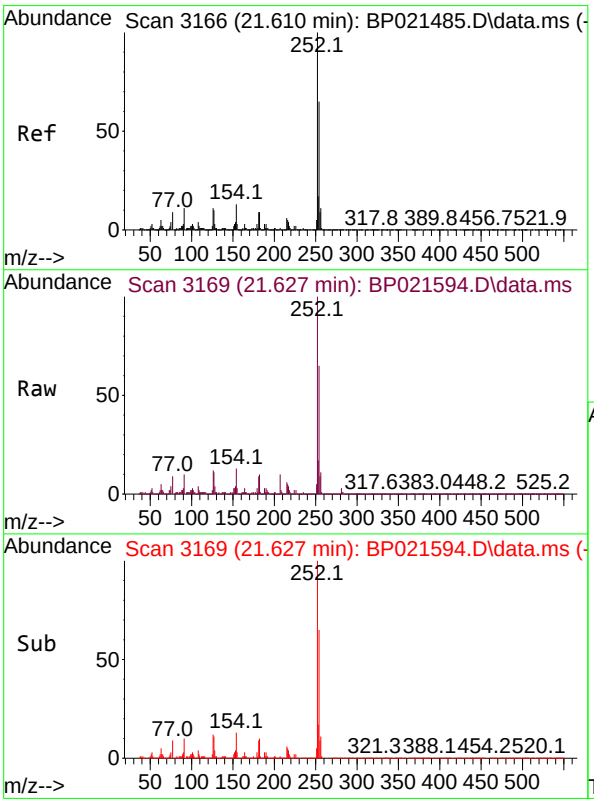
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.2
229	19.6	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

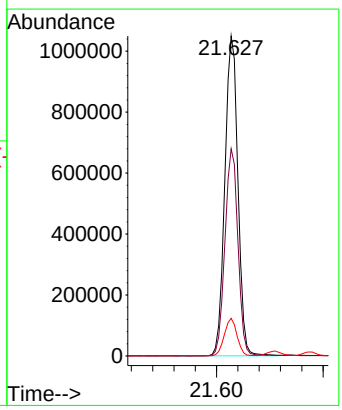


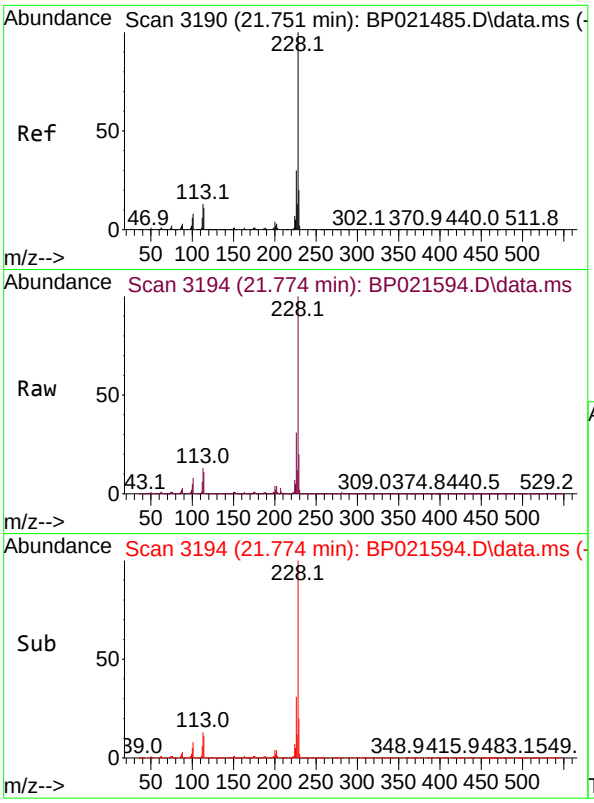


#82
3,3'-Dichlorobenzidine
Concen: 41.956 ng
RT: 21.627 min Scan# 3169
Delta R.T. 0.018 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:252 Resp: 1787315

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.8	8.7	13.1

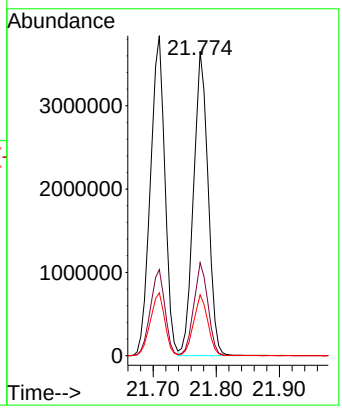




#83
Chrysene
Concen: 46.448 ng
RT: 21.774 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:228 Resp: 582662

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	20.0	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
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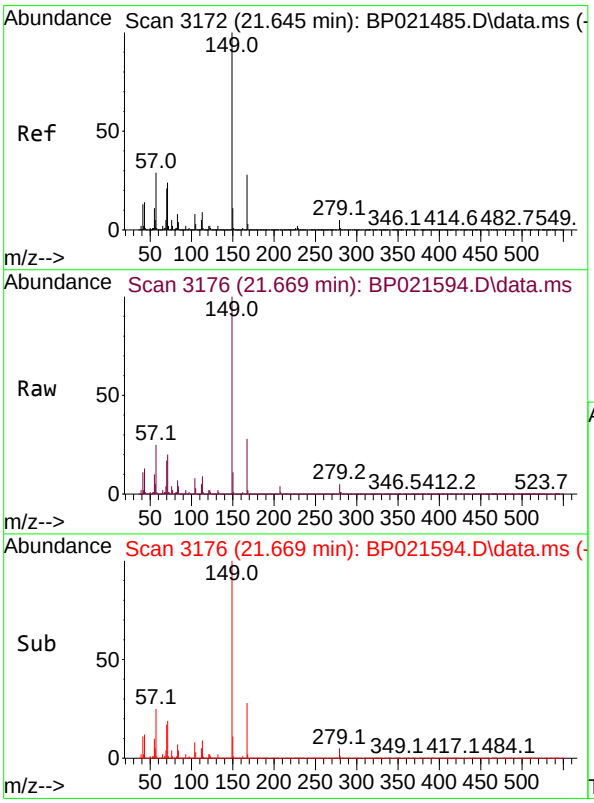
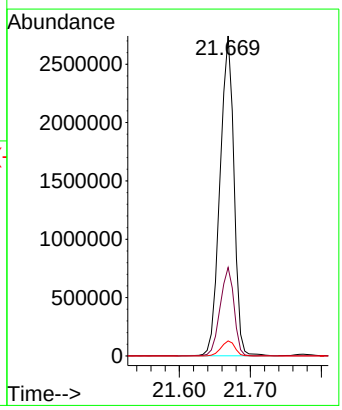
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

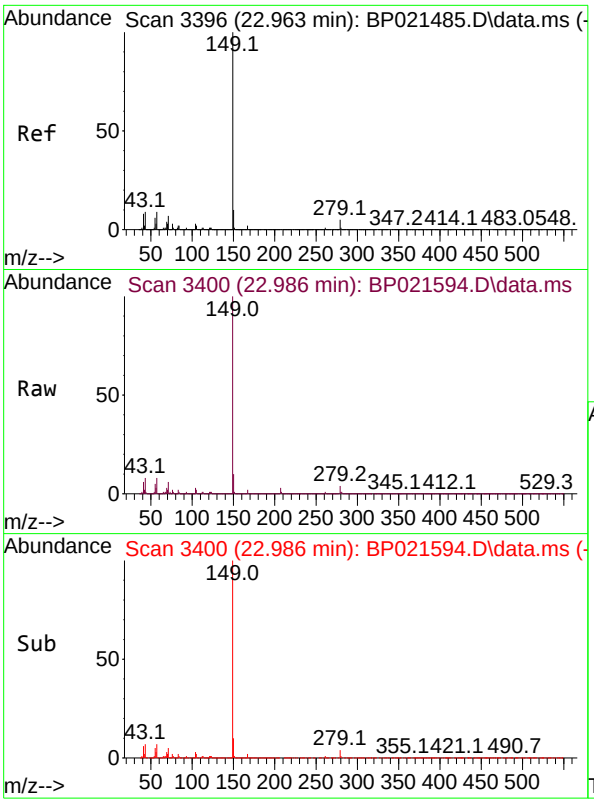


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.517 ng
RT: 21.669 min Scan# 3176
Delta R.T. 0.023 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:149 Resp: 3731470

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 48.537 ng
RT: 22.986 min Scan# 34
Delta R.T. 0.023 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:149 Resp: 670378

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
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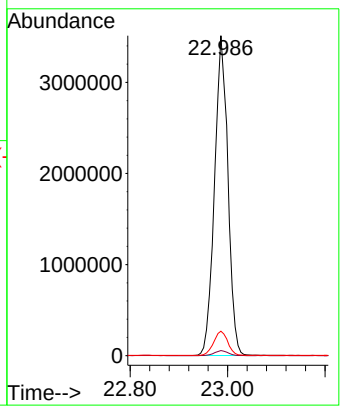
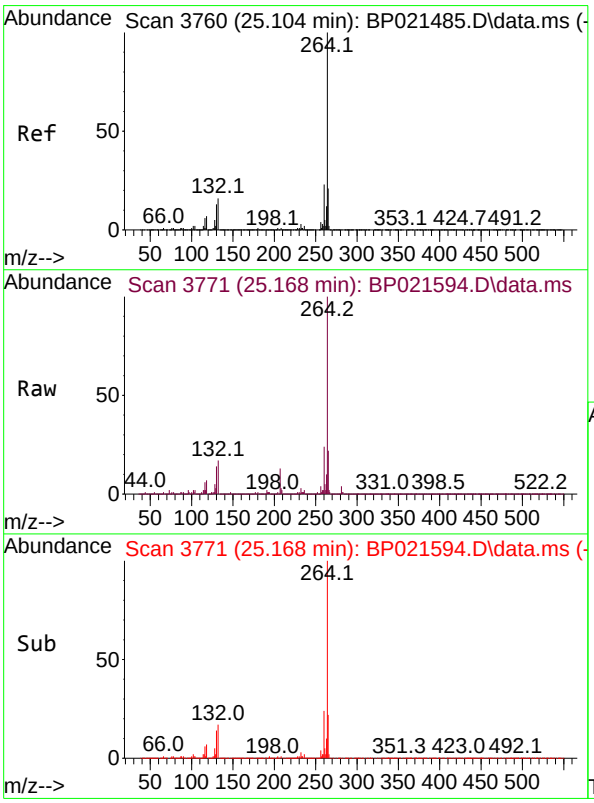
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

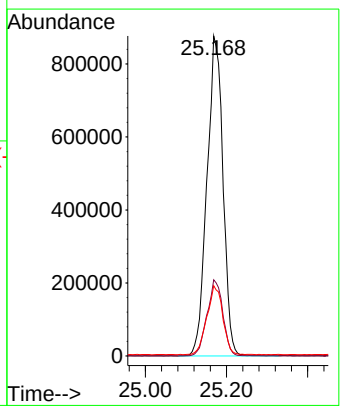


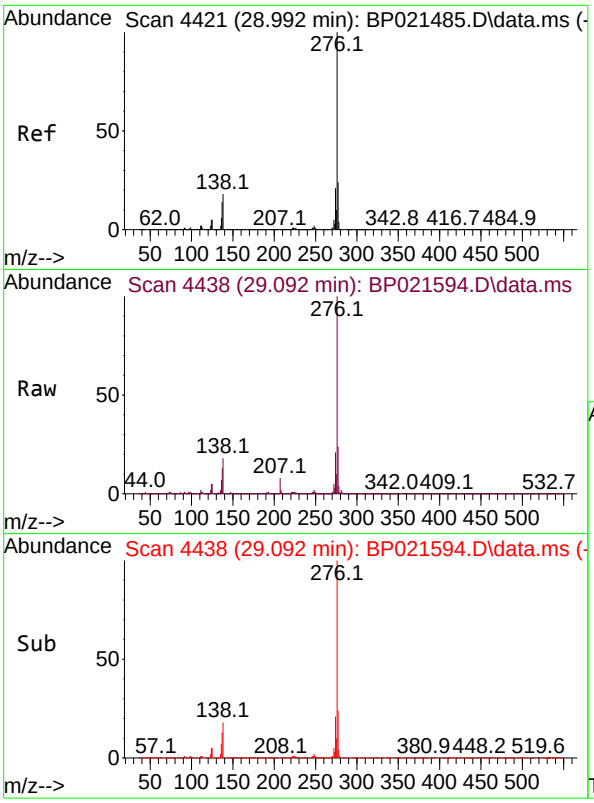


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.168 min Scan# 3771
Delta R.T. 0.065 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:264 Resp: 2397430

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	22.0	17.1	25.7

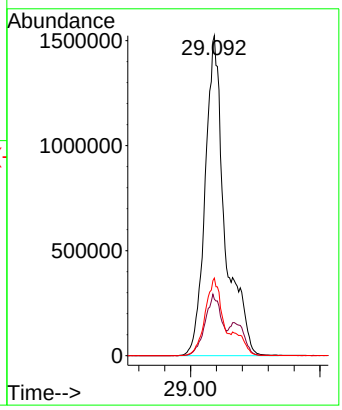




#87
Indeno(1,2,3-cd)pyrene
Concen: 52.067 ng m
RT: 29.092 min Scan# 44
Delta R.T. 0.100 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:276 Resp: 809148

Ion	Ratio	Lower	Upper
276	100		
138	15.9	12.8	19.2
277	20.9	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
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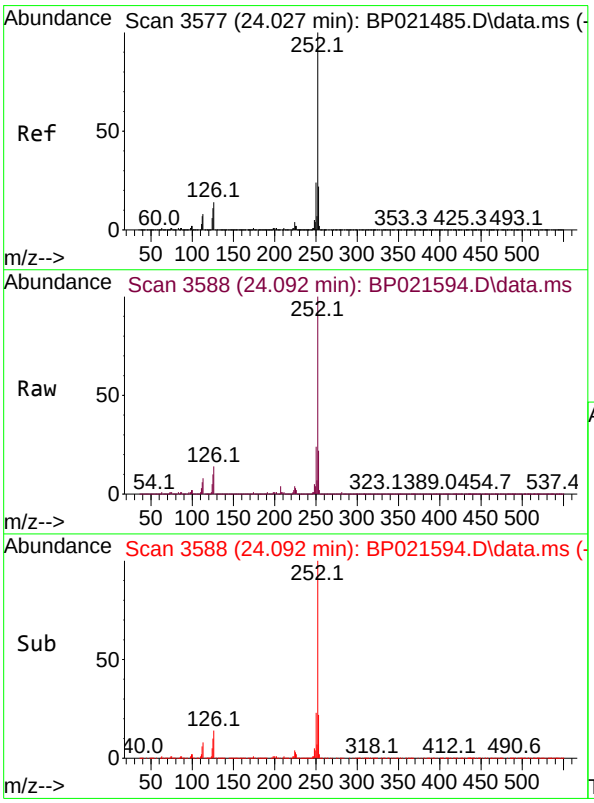
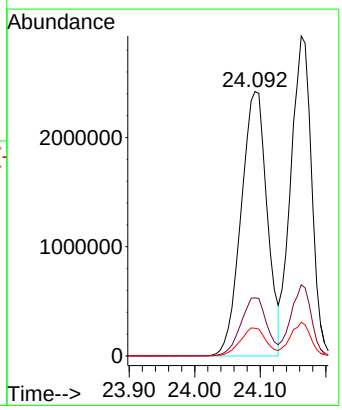
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

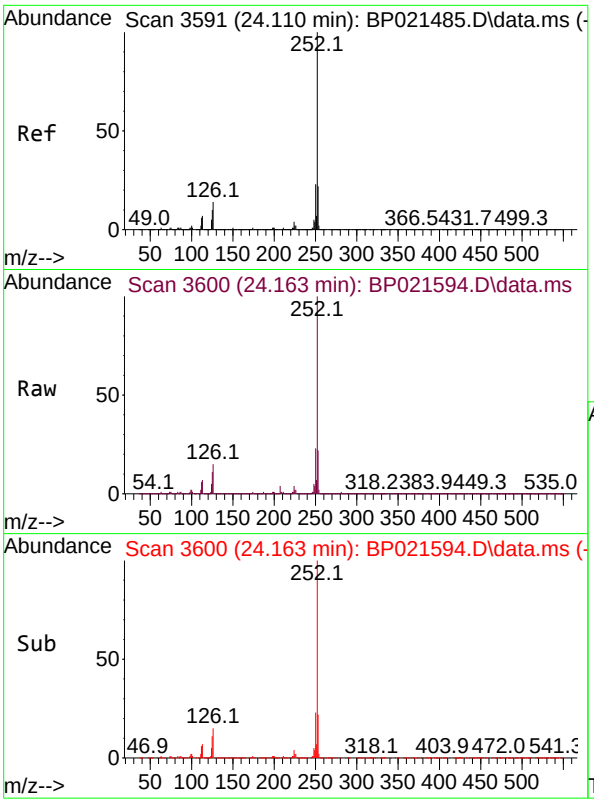


#88
Benzo(b)fluoranthene
Concen: 48.551 ng
RT: 24.092 min Scan# 3588
Delta R.T. 0.065 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:252 Resp: 6684972

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.5	8.6	13.0

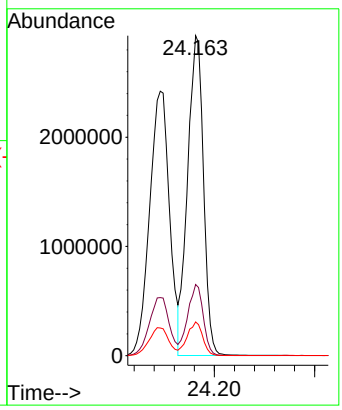




#89
Benzo(k)fluoranthene
Concen: 47.813 ng
RT: 24.163 min Scan# 3
Delta R.T. 0.053 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:252 Resp: 642211

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.6	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
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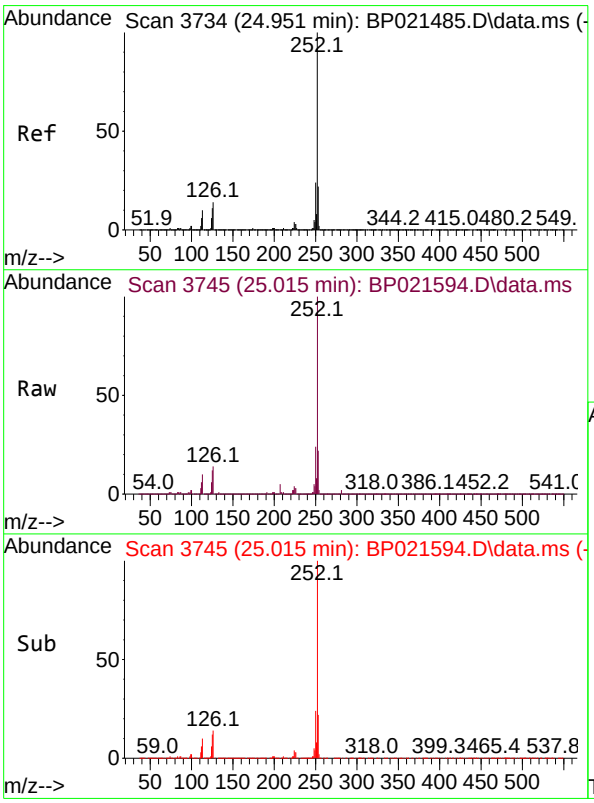
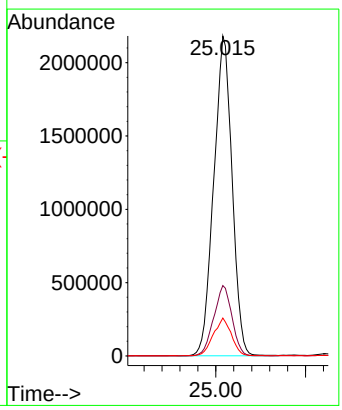
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

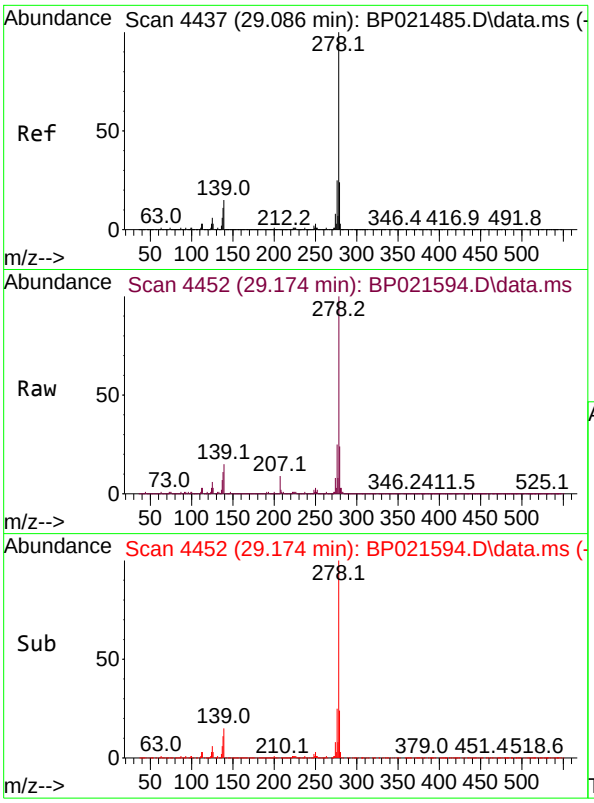


#90
Benzo(a)pyrene
Concen: 51.829 ng
RT: 25.015 min Scan# 3745
Delta R.T. 0.065 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:252 Resp: 6192957

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.8	8.7	13.1

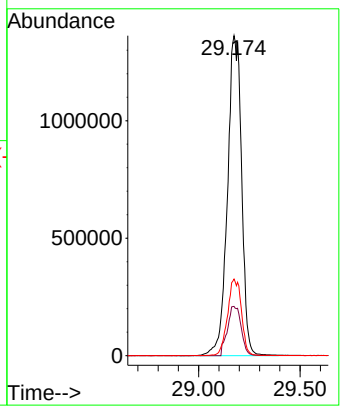




#91
Dibenzo(a,h)anthracene
Concen: 51.107 ng
RT: 29.174 min Scan# 4
Delta R.T. 0.088 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:278 Resp: 659913

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
PB162788BS

Manual Integrations
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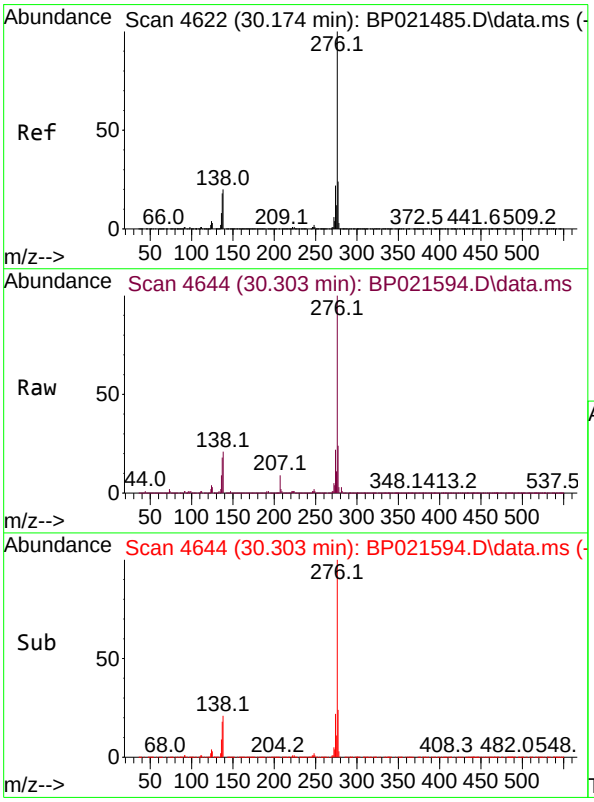
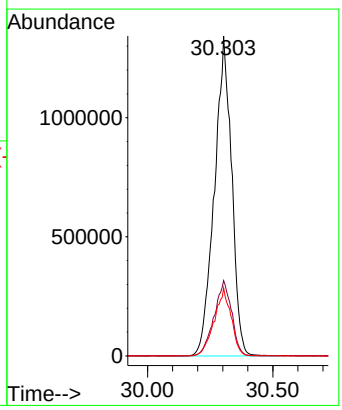
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 49.498 ng
RT: 30.303 min Scan# 4644
Delta R.T. 0.129 min
Lab File: BP021594.D
Acq: 21 Aug 2024 12:19

Tgt Ion:276 Resp: 6405985

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	21.3	16.0	24.0



Raw Data: **BP021595.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162788BSD	SDG No.:	P3645
Lab Sample ID:	PB162788BSD	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
BP021595.D	1	08/16/24 10:33	08/21/24 13:08	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	27.2		1.60	5.00	ug/L
100-52-7	Benzaldehyde	18.1		4.00	10.0	ug/L
95-48-7	2-Methylphenol	44.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.8		1.20	10.0	ug/L
67-72-1	Hexachloroethane	42.4		1.00	5.00	ug/L
98-95-3	Nitrobenzene	42.8		1.30	5.00	ug/L
91-20-3	Naphthalene	42.5		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	39.9		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.5		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	54.9		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	53.4		1.00	5.00	ug/L
208-96-8	Acenaphthylene	47.7		1.00	5.00	ug/L
83-32-9	Acenaphthene	50.1		0.81	5.00	ug/L
132-64-9	Dibenzofuran	44.7		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	56.1		1.50	5.00	ug/L
86-73-7	Fluorene	42.9		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	41.8		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	44.8		0.89	5.00	ug/L
120-12-7	Anthracene	45.3		1.10	5.00	ug/L
86-74-8	Carbazole	46.5		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.2		1.50	5.00	ug/L
206-44-0	Fluoranthene	44.7		1.30	5.00	ug/L
129-00-0	Pyrene	43.8		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	46.1		0.94	5.00	ug/L
218-01-9	Chrysene	46.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.5		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	48.0		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	48.2		1.20	5.00	ug/L

Raw Data: **BP021595.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162788BSD	SDG No.:	P3645
Lab Sample ID:	PB162788BSD	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
BP021595.D	1	08/16/24 10:33	08/21/24 13:08	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	52.3		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.6		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.9		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	50.1		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	28.3		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	40.5		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		15 (10) - 110 (139)	86%	SPK: 150
13127-88-3	Phenol-d6	119		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.9		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.8		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		15 (44) - 110 (137)	100%	SPK: 150
1718-51-0	Terphenyl-d14	79.9		30 (48) - 130 (125)	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	384000	7.793			
1146-65-2	Naphthalene-d8	1530000	10.581			
15067-26-2	Acenaphthene-d10	1010000	14.451			
1517-22-2	Phenanthrene-d10	2220000	17.275			
1719-03-5	Chrysene-d12	2160000	21.745			
1520-96-3	Perylene-d12	2470000	25.186			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021595.D
Acq On : 21 Aug 2024 13:08
Operator : RC/JU
Sample : PB162788BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 13:35:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	384224	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1531743	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	1006858	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	2217857	20.000	ng	0.02
76) Chrysene-d12	21.745	240	2163191	20.000	ng	0.05
86) Perylene-d12	25.186	264	2473126	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	3335559	128.905	ng	0.00
7) Phenol-d6	6.957	99	4505591	119.362	ng	0.00
23) Nitrobenzene-d5	8.940	82	2666511	89.853	ng	-0.01
42) 2,4,6-Tribromophenol	15.975	330	1673417	149.333	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	5133884	77.817	ng	0.00
79) Terphenyl-d14	19.998	244	8892065	79.858	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.311	88	347460	28.319	ng	99
3) Pyridine	3.705	79	930655	27.171	ng	93
4) n-Nitrosodimethylamine	3.611	42	422424	41.032	ng	91
6) Aniline	7.116	93	976151	25.867	ng	97
8) 2-Chlorophenol	7.357	128	1168921	48.883	ng	94
9) Benzaldehyde	6.928	77	437575m	18.105	ng	
10) Phenol	6.981	94	1735921	44.410	ng	98
11) bis(2-Chloroethyl)ether	7.210	93	1289737	38.994	ng	96
12) 1,3-Dichlorobenzene	7.681	146	1177258	41.447	ng	96
13) 1,4-Dichlorobenzene	7.828	146	1197767	41.761	ng	98
14) 1,2-Dichlorobenzene	8.140	146	1149033	41.572	ng	99
15) Benzyl Alcohol	8.022	79	1177332	43.470	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.304	45	1212340	39.802	ng	96
17) 2-Methylphenol	8.228	107	1109884	44.914	ng	97
18) Hexachloroethane	8.875	117	487335	42.371	ng	98
19) n-Nitroso-di-n-propyla...	8.593	70	899887	34.512	ng	95
20) 3+4-Methylphenols	8.551	107	1525158	45.773	ng	97
22) Acetophenone	8.604	105	1784403	37.920	ng	98
24) Nitrobenzene	8.981	77	1378068	42.755	ng	93
25) Isophorone	9.516	82	2663131	37.986	ng	96
26) 2-Nitrophenol	9.693	139	573672	61.555	ng	94
27) 2,4-Dimethylphenol	9.757	122	876177	50.640	ng	97
28) bis(2-Chloroethoxy)met...	9.993	93	1703029	39.795	ng	99
29) 2,4-Dichlorophenol	10.228	162	1072562	52.467	ng	97
30) 1,2,4-Trichlorobenzene	10.451	180	1091243	41.636	ng	99
31) Naphthalene	10.634	128	3402622	42.523	ng	99
32) Benzoic acid	9.893	122	851943	65.379	ng	92
33) 4-Chloroaniline	10.740	127	776724	25.841	ng	96
34) Hexachlorobutadiene	10.928	225	658832	39.924	ng	99
35) Caprolactam	11.528	113	402837m	47.343	ng	
36) 4-Chloro-3-methylphenol	11.875	107	1418055	50.007	ng	97
37) 2-Methylnaphthalene	12.251	142	2320318	42.487	ng	99
38) 1-Methylnaphthalene	12.475	142	2182028	40.511	ng	100
40) 1,2,4,5-Tetrachloroben...	12.622	216	1150611	39.002	ng	99
41) Hexachlorocyclopentadiene	12.610	237	996277	106.554	ng	99
43) 2,4,6-Trichlorophenol	12.869	196	899987	54.919	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021595.D
Acq On : 21 Aug 2024 13:08
Operator : RC/JU
Sample : PB162788BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 13:35:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	972767	53.428	ng		96
46) 1,1'-Biphenyl	13.281	154	2837499	39.832	ng		97
47) 2-Chloronaphthalene	13.316	162	2349701	42.367	ng		99
48) 2-Nitroaniline	13.510	65	835325	53.124	ng	#	86
49) Acenaphthylene	14.169	152	3890940	47.725	ng		100
50) Dimethylphthalate	13.910	163	3088858	45.810	ng		99
51) 2,6-Dinitrotoluene	14.016	165	683865	50.083	ng		91
52) Acenaphthene	14.528	154	2679983m	50.099	ng		
53) 3-Nitroaniline	14.345	138	574577	43.381	ng	#	90
54) 2,4-Dinitrophenol	14.569	184	747280	122.690	ng	#	87
55) Dibenzofuran	14.869	168	3681261	44.735	ng		99
56) 4-Nitrophenol	14.675	139	1289235	113.046	ng	#	84
57) 2,4-Dinitrotoluene	14.822	165	986728	56.086	ng		84
58) Fluorene	15.533	166	2899678	42.892	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	878009	56.815	ng		98
60) Diethylphthalate	15.304	149	3126196	45.186	ng		99
61) 4-Chlorophenyl-phenyle...	15.522	204	1486596	42.541	ng		99
62) 4-Nitroaniline	15.539	138	717929	51.968	ng		89
63) Azobenzene	15.816	77	3377663	39.717	ng		96
65) 4,6-Dinitro-2-methylph...	15.616	198	528178	68.253	ng		97
66) n-Nitrosodiphenylamine	15.739	169	2636014	44.351	ng		100
67) 4-Bromophenyl-phenylether	16.445	248	998300	42.530	ng		99
68) Hexachlorobenzene	16.563	284	1158608	41.768	ng		99
69) Atrazine	16.722	200	833535	40.847	ng		99
70) Pentachlorophenol	16.916	266	1553061	102.579	ng		99
71) Phenanthrene	17.322	178	4773202	44.751	ng		100
72) Anthracene	17.410	178	4737961	45.294	ng		100
73) Carbazole	17.680	167	4687315	46.496	ng		99
74) Di-n-butylphthalate	18.292	149	5601905	45.247	ng		99
75) Fluoranthene	19.398	202	5849345	44.695	ng		99
77) Benzidine	19.592	184	1163683	23.572	ng		99
78) Pyrene	19.774	202	6199077	43.844	ng		100
80) Butylbenzylphthalate	20.727	149	2645879	49.208	ng		91
81) Benzo(a)anthracene	21.721	228	6266458	46.146	ng		99
82) 3,3'-Dichlorobenzidine	21.633	252	1871748	42.989	ng		99
83) Chrysene	21.792	228	5892243	45.957	ng		100
84) Bis(2-ethylhexyl)phtha...	21.663	149	3894673	48.525	ng		99
85) Di-n-octyl phthalate	22.998	149	6944035	49.126	ng		97
87) Indeno(1,2,3-cd)pyrene	29.133	276	8427775m	52.571	ng		
88) Benzo(b)fluoranthene	24.098	252	6816748	47.993	ng		99
89) Benzo(k)fluoranthene	24.168	252	6680950	48.218	ng		99
90) Benzo(a)pyrene	25.015	252	6448176	52.314	ng		99
91) Dibenzo(a,h)anthracene	29.203	278	6908449	51.865	ng		100
92) Benzo(g,h,i)perylene	30.321	276	6689956	50.110	ng		99

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

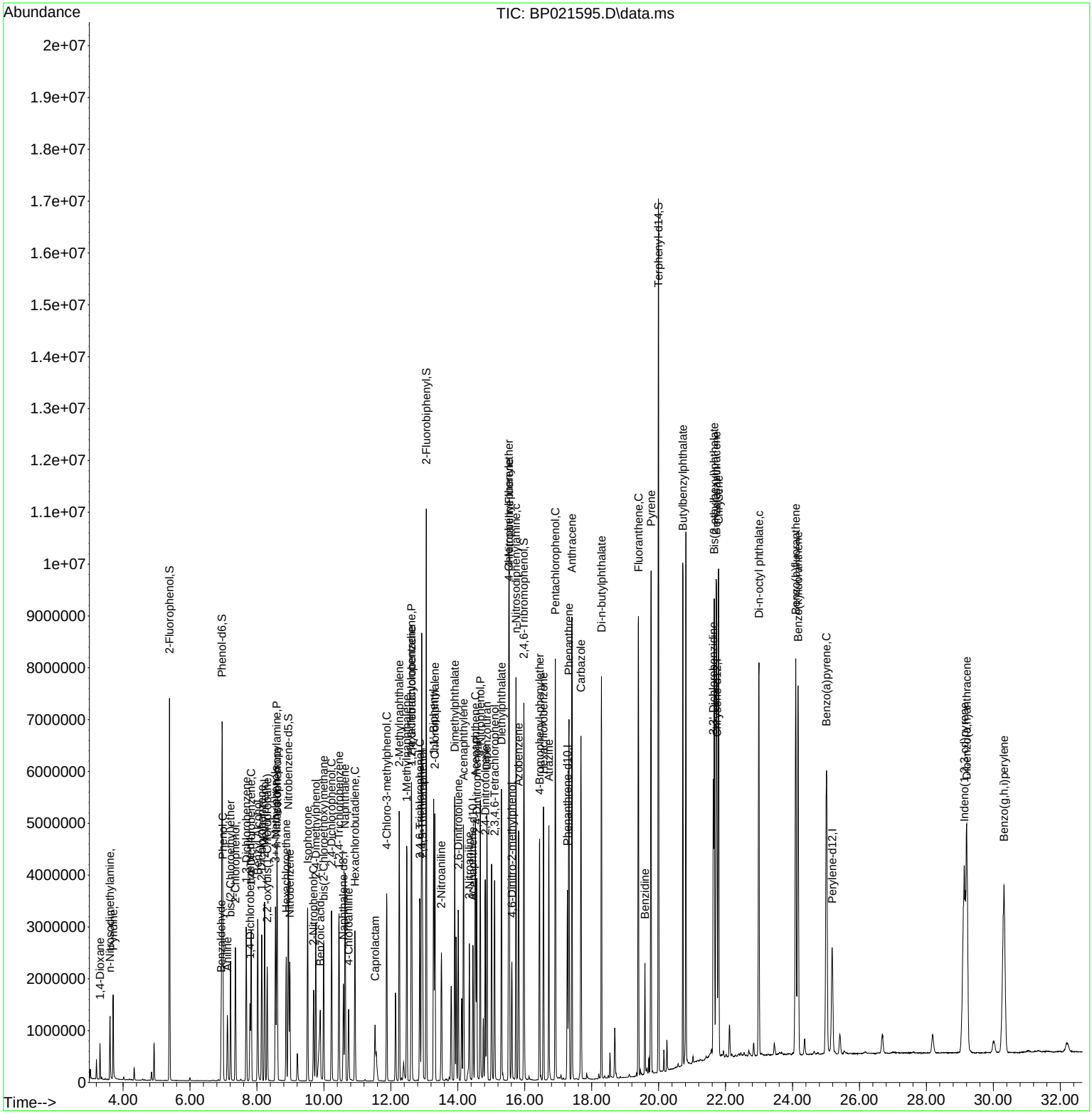
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021595.D
Acq On : 21 Aug 2024 13:08
Operator : RC/JU
Sample : PB162788BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

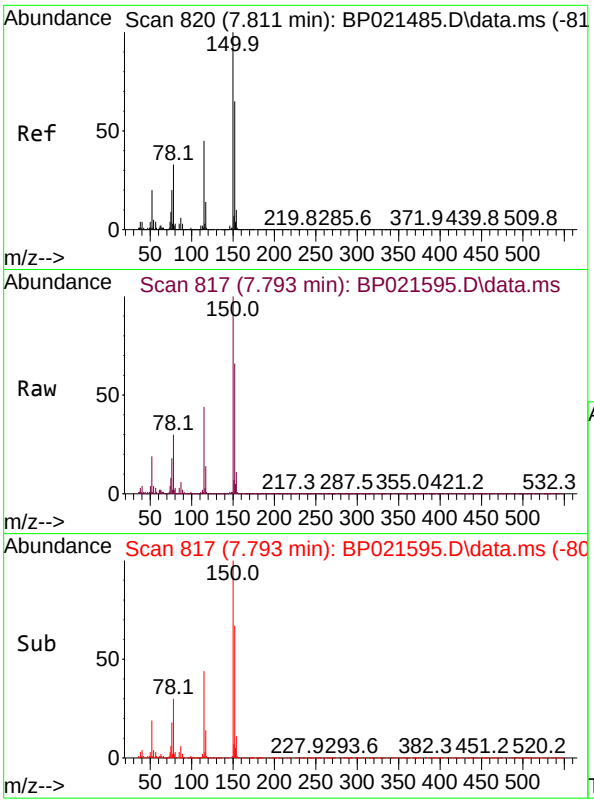
Quant Time: Aug 21 13:35:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

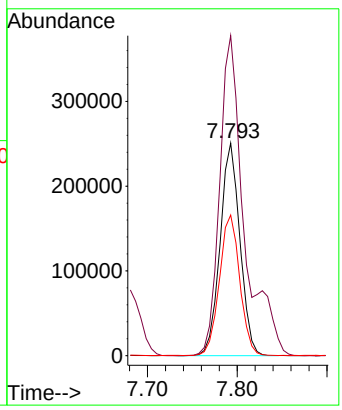




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:152 Resp: 38422

Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.4	183.6
115	66.1	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
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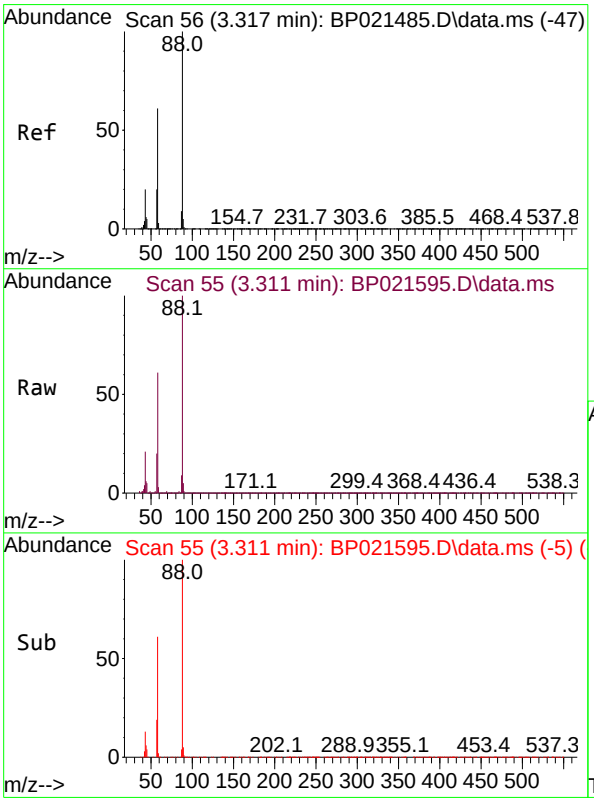
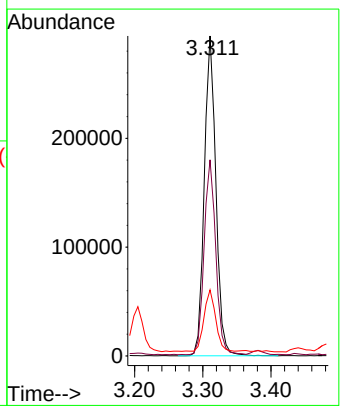
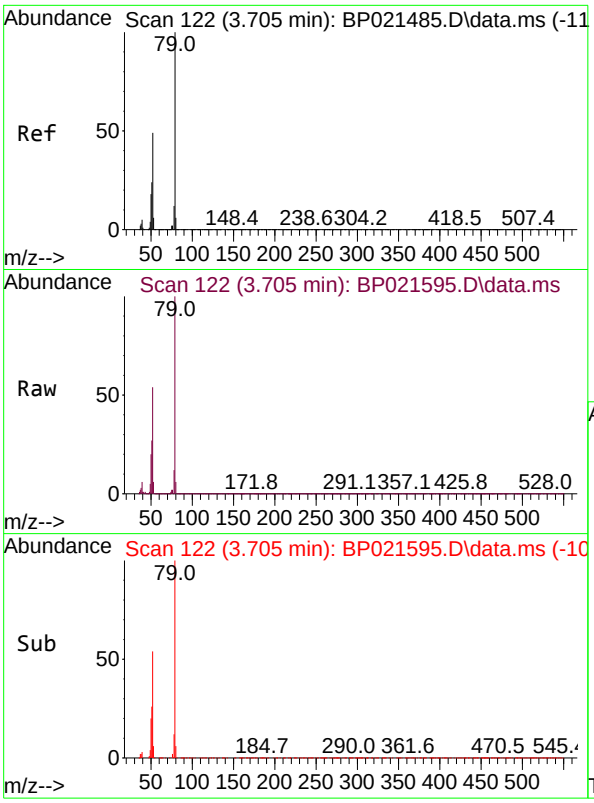


#2
1,4-Dioxane
Concen: 28.319 ng
RT: 3.311 min Scan# 55
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 88 Resp: 347460

Ion	Ratio	Lower	Upper
88	100		
58	61.3	48.7	73.1
43	19.1	15.4	23.2

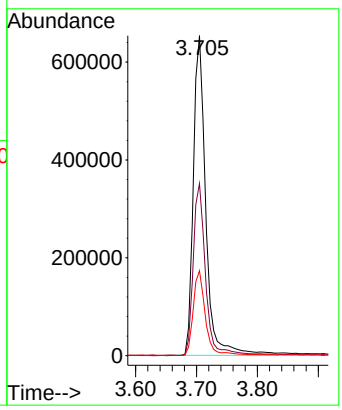




#3
Pyridine
Concen: 27.171 ng
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 79 Resp: 93065

Ion	Ratio	Lower	Upper
79	100		
52	53.8	39.0	58.6
51	26.6	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
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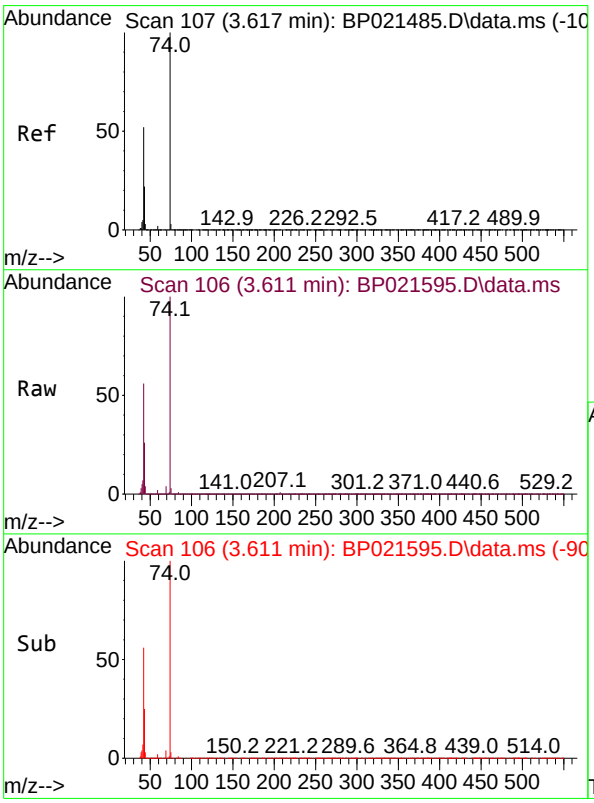
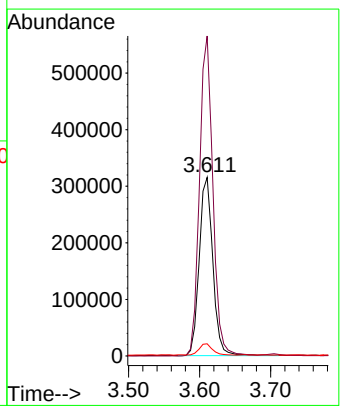
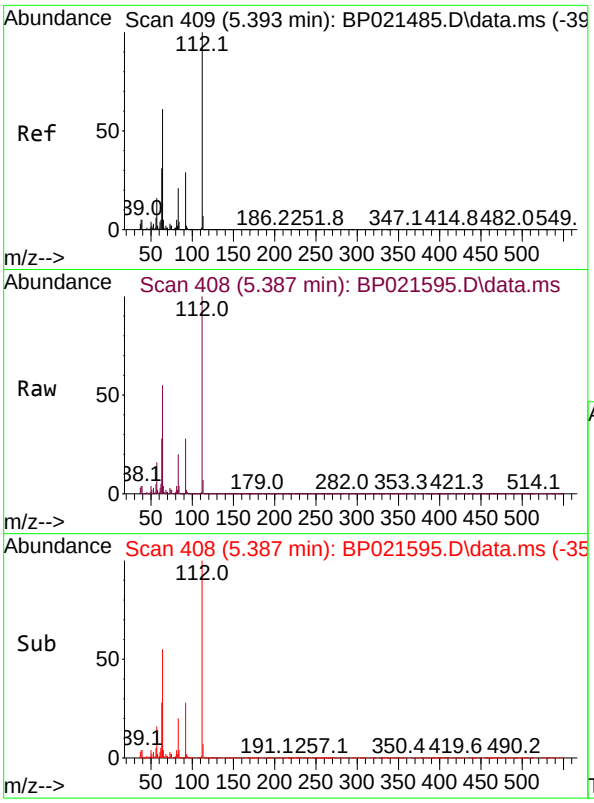


#4
n-Nitrosodimethylamine
Concen: 41.032 ng
RT: 3.611 min Scan# 106
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 42 Resp: 422424

Ion	Ratio	Lower	Upper
42	100		
74	179.1	154.3	231.5
44	6.8	6.2	9.4





#5
2-Fluorophenol
Concen: 128.905 ng
RT: 5.387 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:112 Resp: 333555

Ion	Ratio	Lower	Upper
112	100		
64	54.7	49.0	73.6
63	27.9	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
PB162788BSD

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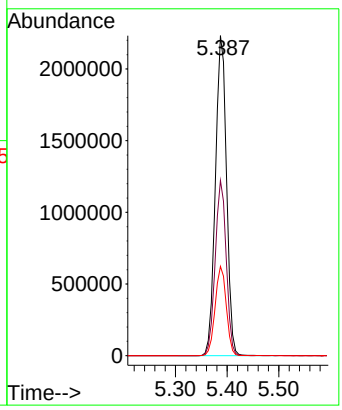
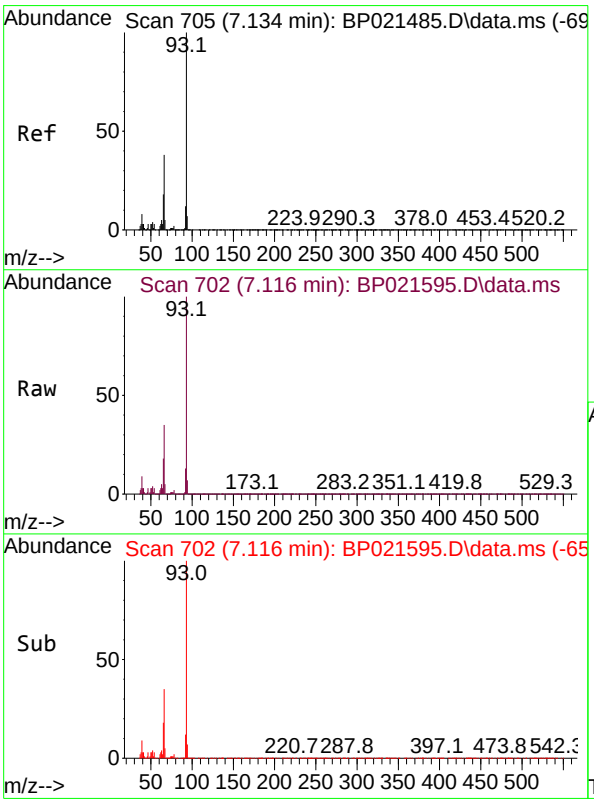
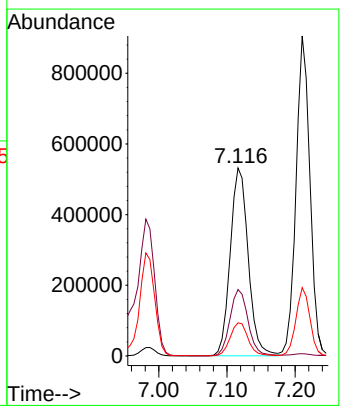


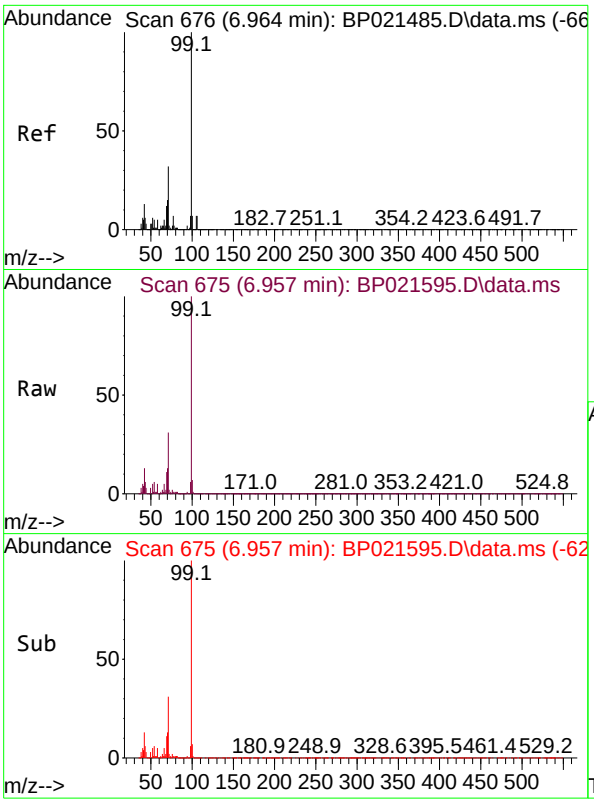


#6
Aniline
Concen: 25.867 ng
RT: 7.116 min Scan# 702
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 93 Resp: 976151

Ion	Ratio	Lower	Upper
93	100		
66	35.4	30.2	45.2
65	17.6	14.7	22.1

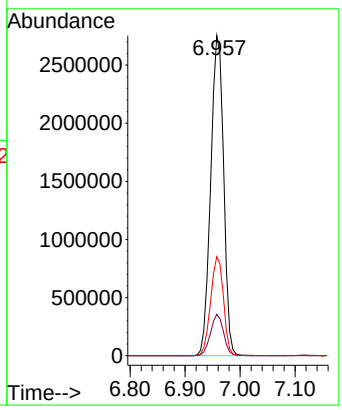




#7
Phenol-d6
Concen: 119.362 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 99 Resp: 450559

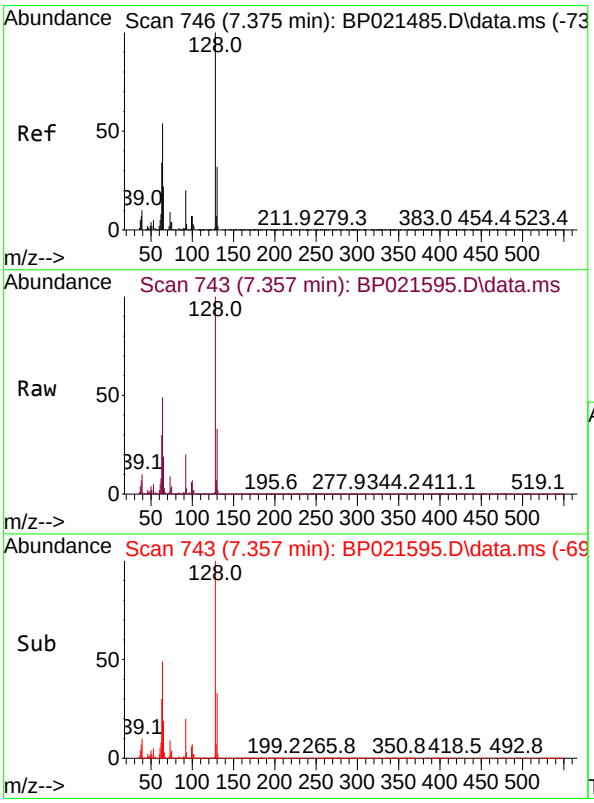
Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.2	15.4
71	31.0	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
APPROVED

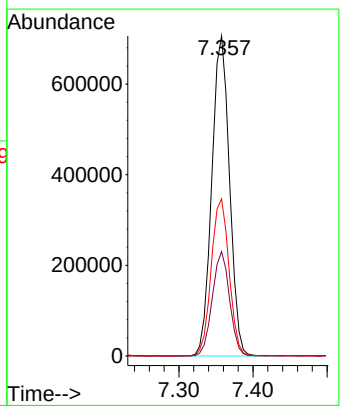
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

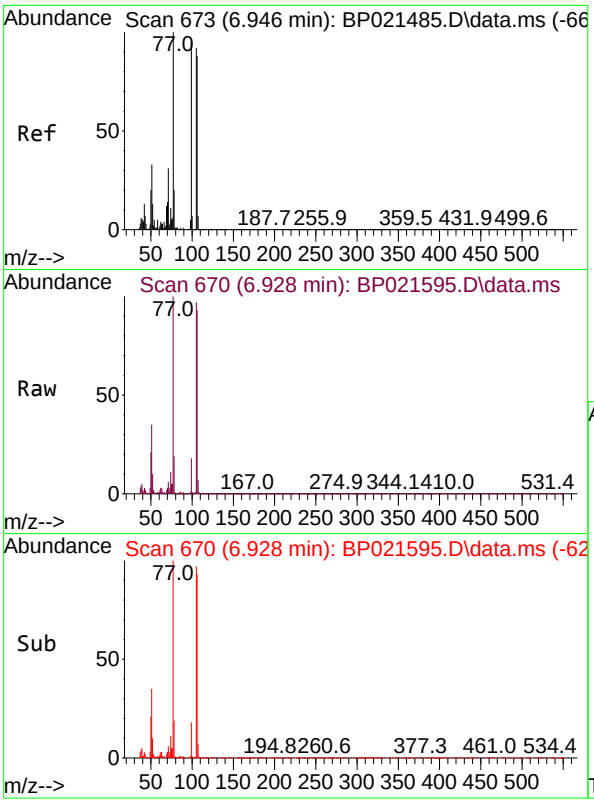


#8
2-Chlorophenol
Concen: 48.883 ng
RT: 7.357 min Scan# 743
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:128 Resp: 1168921

Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.6	51.6
64	49.1	35.3	75.3

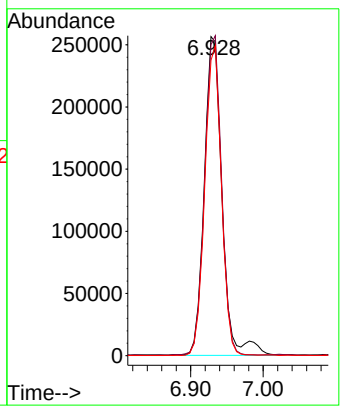




#9
Benzaldehyde
Concen: 18.105 ng m
RT: 6.928 min Scan# 6
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 77 Resp: 43757

Ion	Ratio	Lower	Upper
77	100		
105	97.5	72.1	112.1
106	92.6	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

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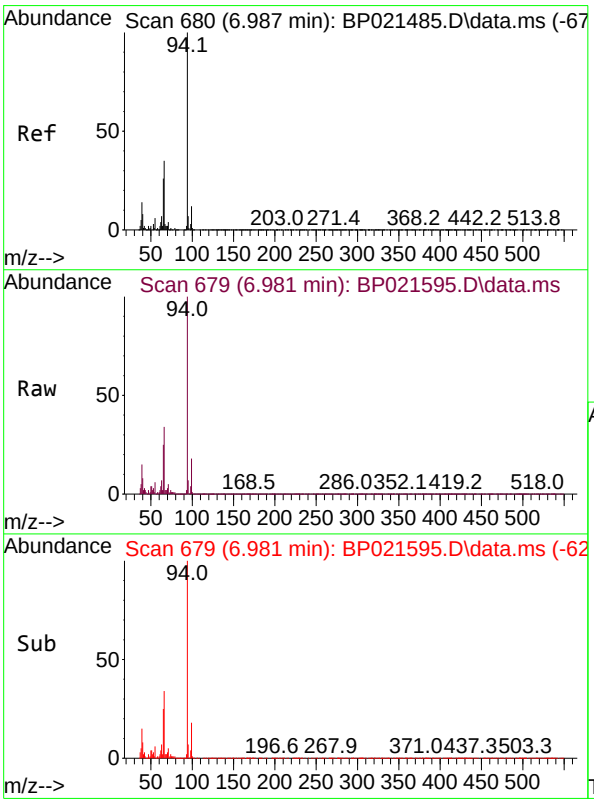
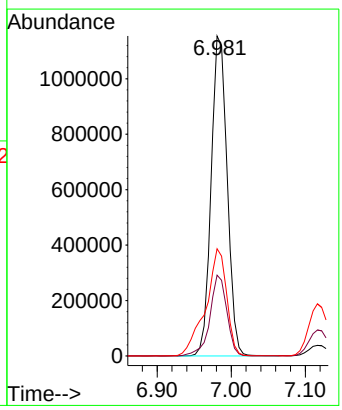
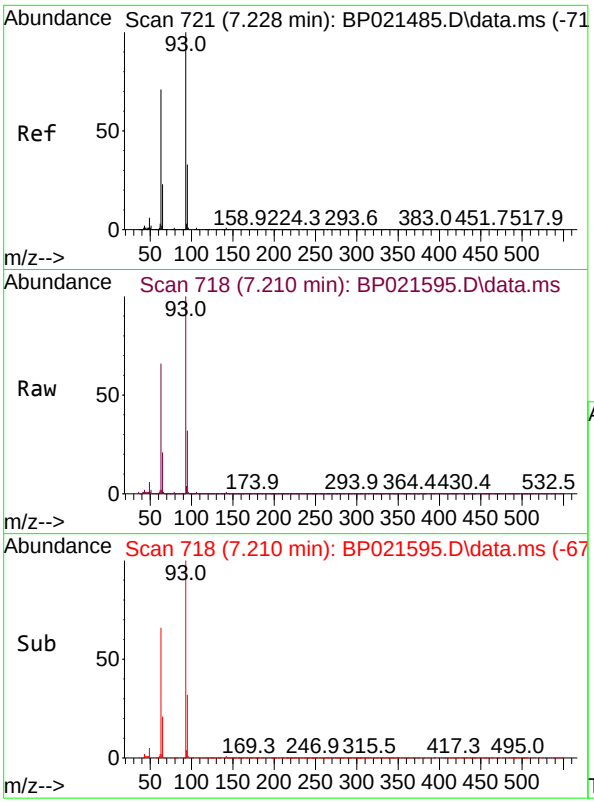


#10
Phenol
Concen: 44.410 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 94 Resp: 1735921

Ion	Ratio	Lower	Upper
94	100		
65	25.2	6.5	46.5
66	33.5	14.7	54.7

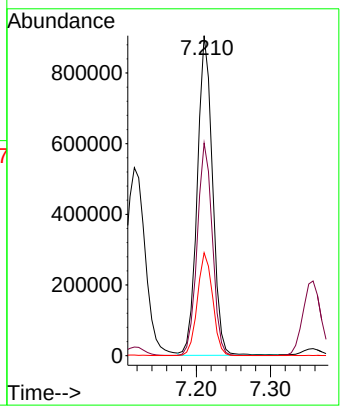




#11
bis(2-Chloroethyl)ether
Concen: 38.994 ng
RT: 7.210 min Scan# 7
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 93 Resp: 128973

Ion	Ratio	Lower	Upper
93	100		
63	66.4	51.0	91.0
95	32.1	12.9	52.9



Instrument :
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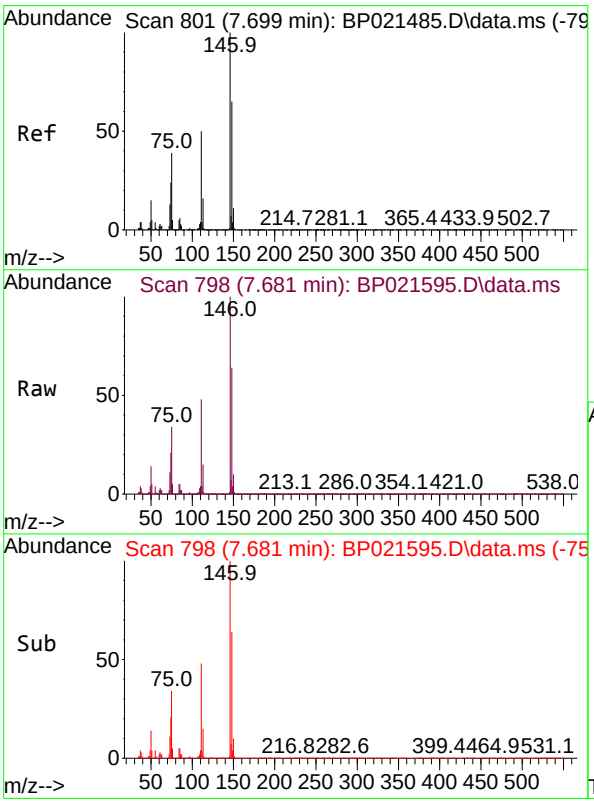
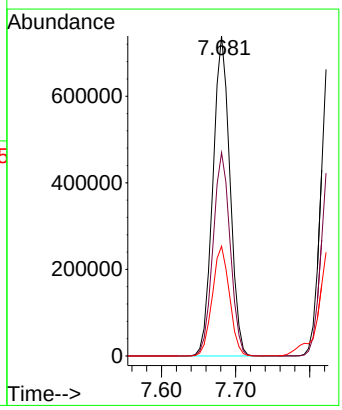
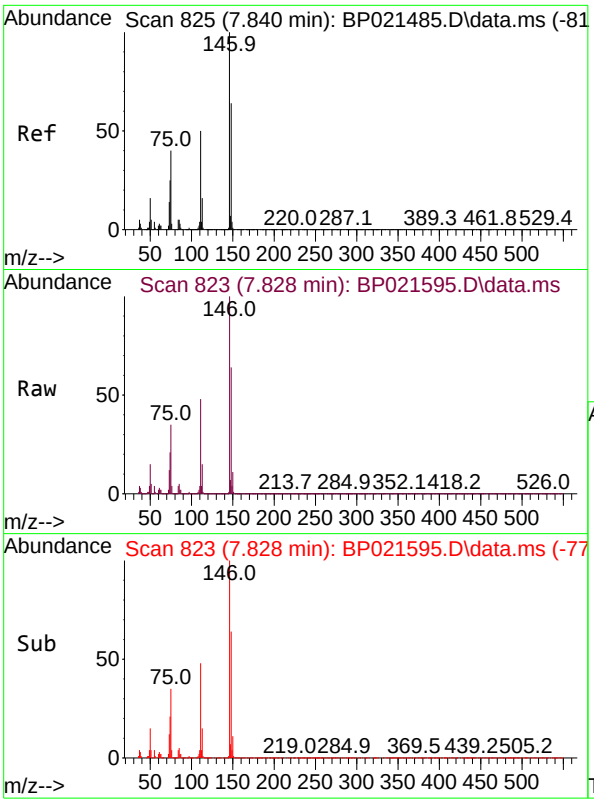


#12
1,3-Dichlorobenzene
Concen: 41.447 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:146 Resp: 1177258

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
75	34.3	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 41.761 ng
RT: 7.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:146 Resp: 119776

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.5	77.3
111	47.6	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
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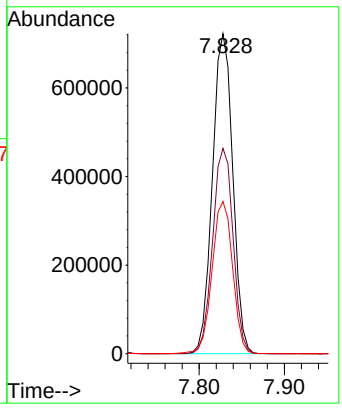
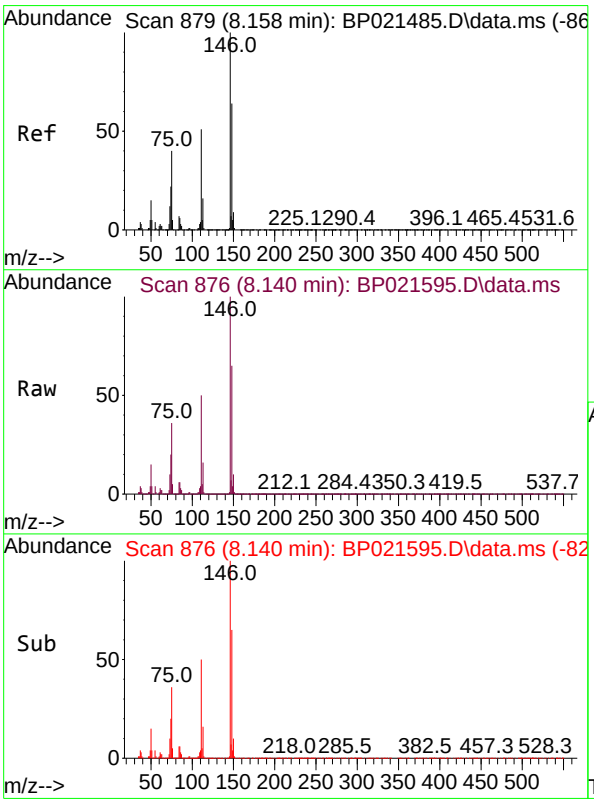
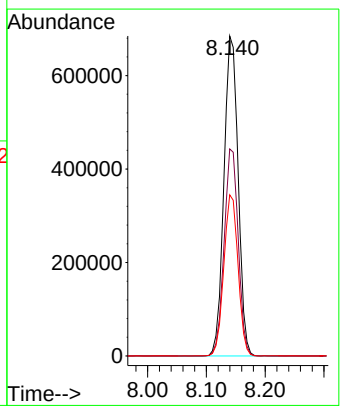


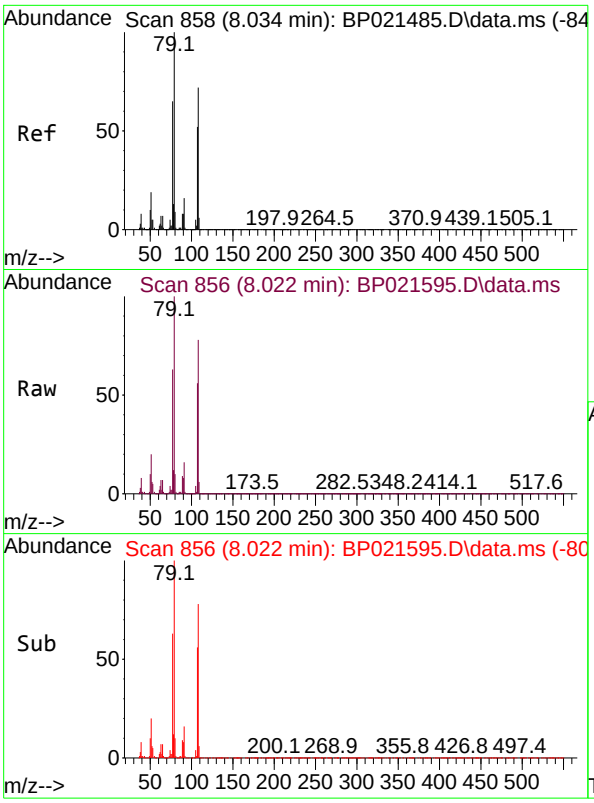


#14
1,2-Dichlorobenzene
Concen: 41.572 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:146 Resp: 1149033

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.5	77.3
111	50.3	41.1	61.7





#15
Benzyl Alcohol
Concen: 43.470 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 79 Resp: 117733

Ion	Ratio	Lower	Upper
79	100		
108	78.3	57.9	86.9
77	62.9	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
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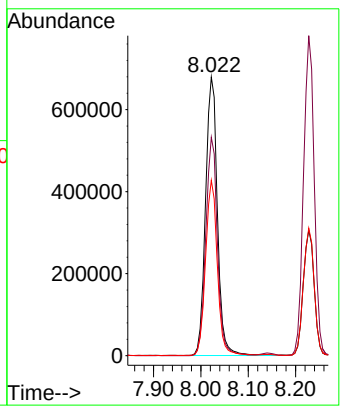
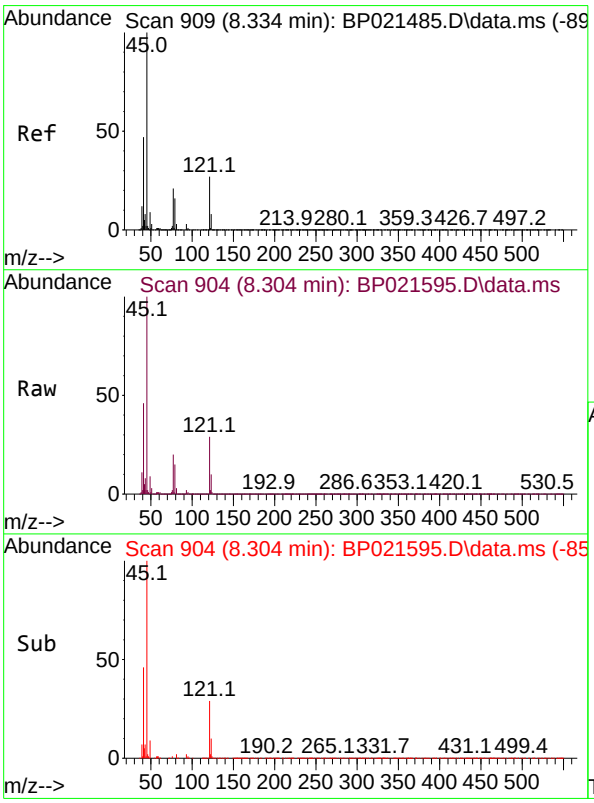
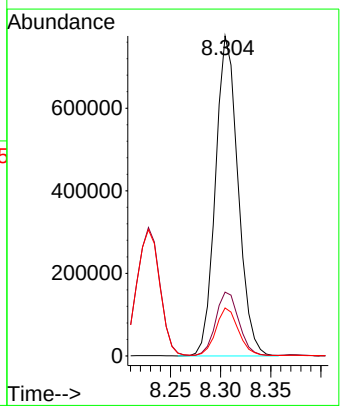


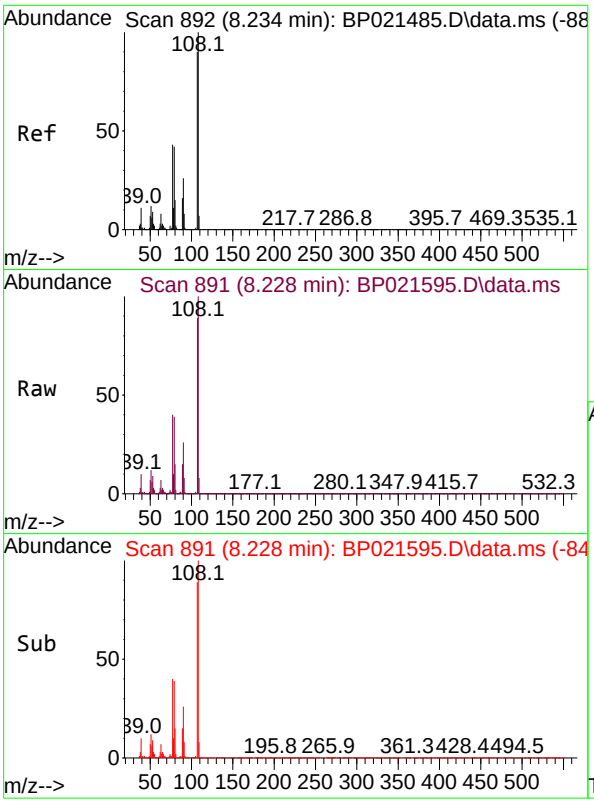


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.802 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.030 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 45 Resp: 1212340

Ion	Ratio	Lower	Upper
45	100		
77	20.0	1.9	41.9
79	15.0	0.0	36.6

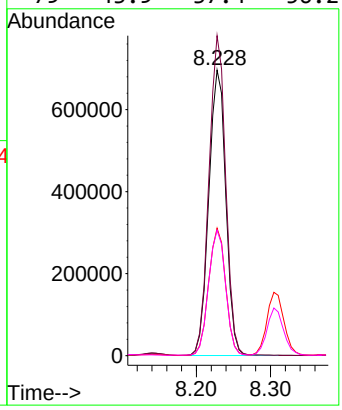




#17
2-Methylphenol
Concen: 44.914 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:107 Resp: 110988

Ion	Ratio	Lower	Upper
107	100		
108	112.0	88.8	133.2
77	44.7	38.7	58.1
79	43.9	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
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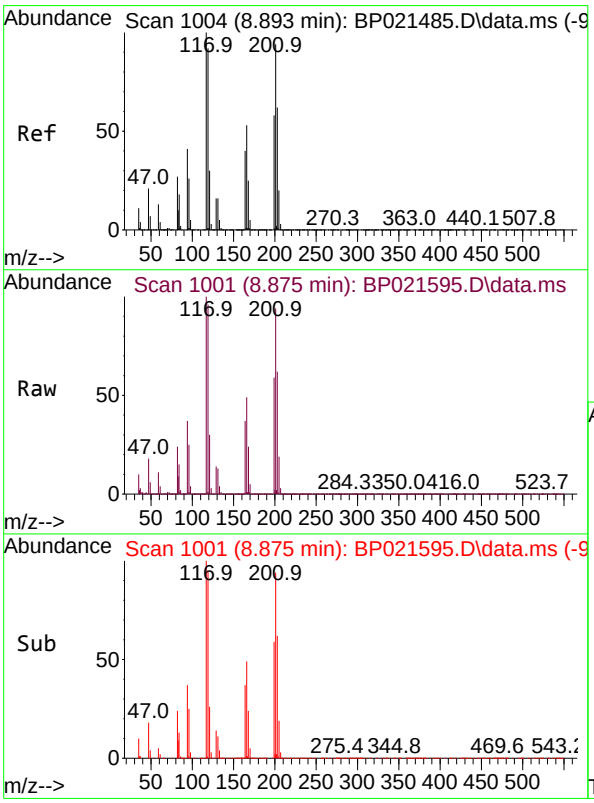
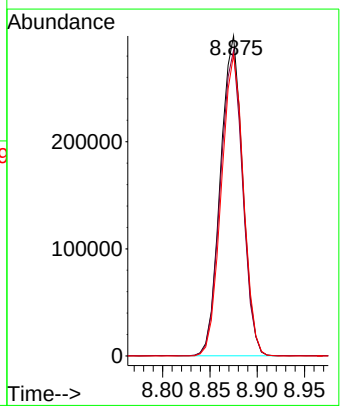
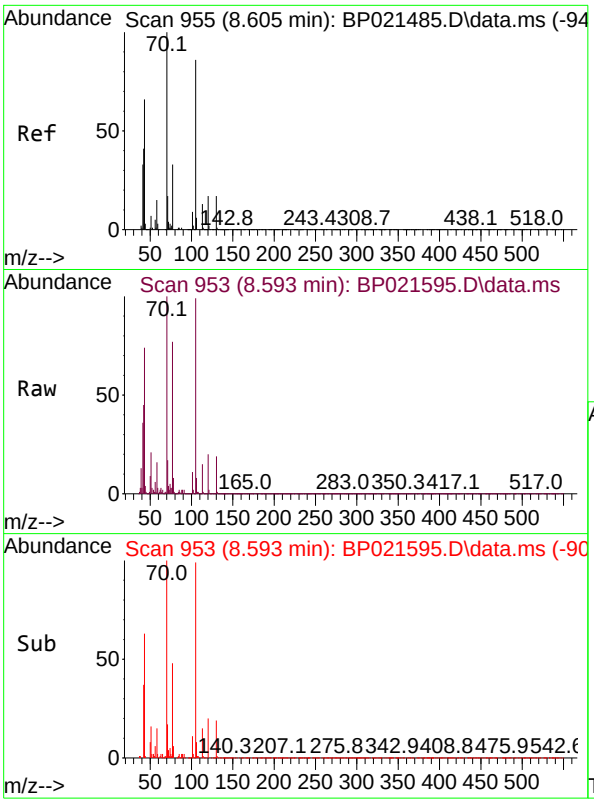


#18
Hexachloroethane
Concen: 42.371 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:117 Resp: 487335

Ion	Ratio	Lower	Upper
117	100		
119	95.5	73.9	110.9
201	94.1	74.9	112.3

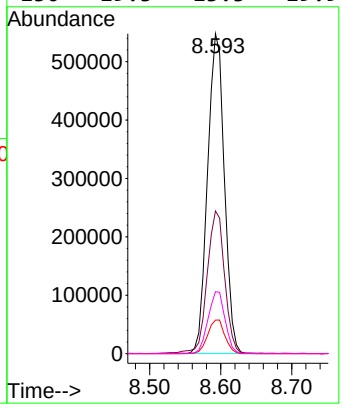




#19
n-Nitroso-di-n-propylamine
Concen: 34.512 ng
RT: 8.593 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 70 Resp: 89988

Ion	Ratio	Lower	Upper
70	100		
42	44.6	33.1	49.7
101	10.5	7.4	11.2
130	19.3	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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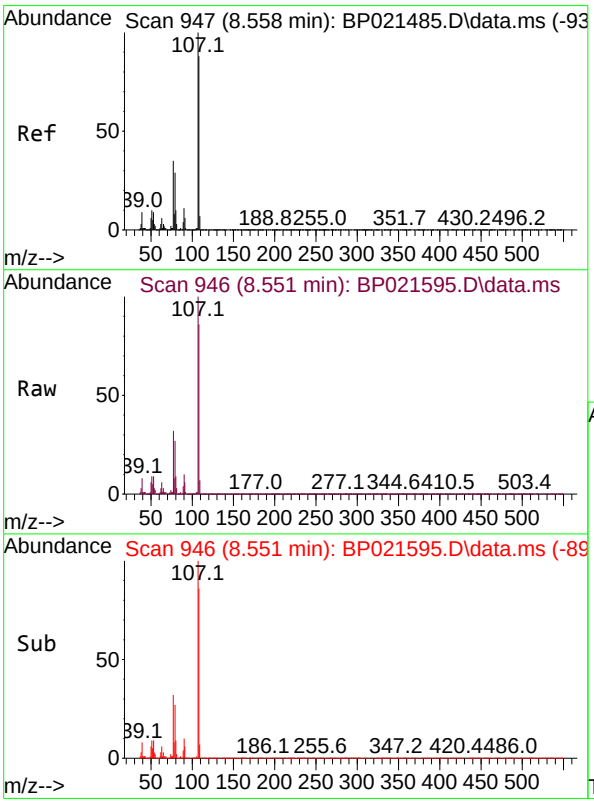
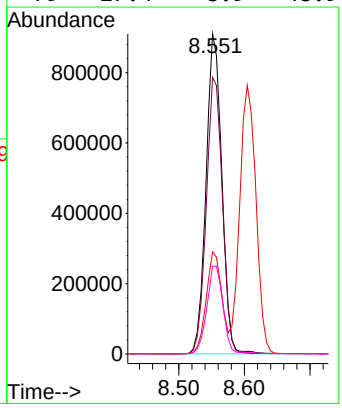
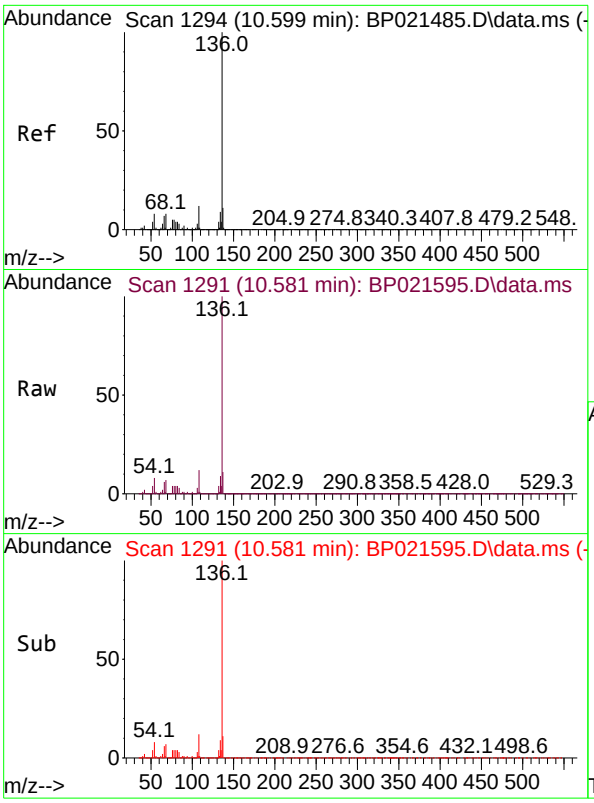


#20
3+4-Methylphenols
Concen: 45.773 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:107 Resp: 1525158

Ion	Ratio	Lower	Upper
107	100		
108	86.4	67.6	107.6
77	31.9	15.0	55.0
79	27.4	8.9	48.9

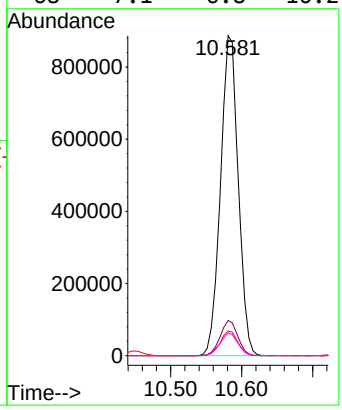




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:136 Resp: 153174

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	6.3	9.5
68	7.1	6.8	10.2



Instrument :
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ClientSampleId :
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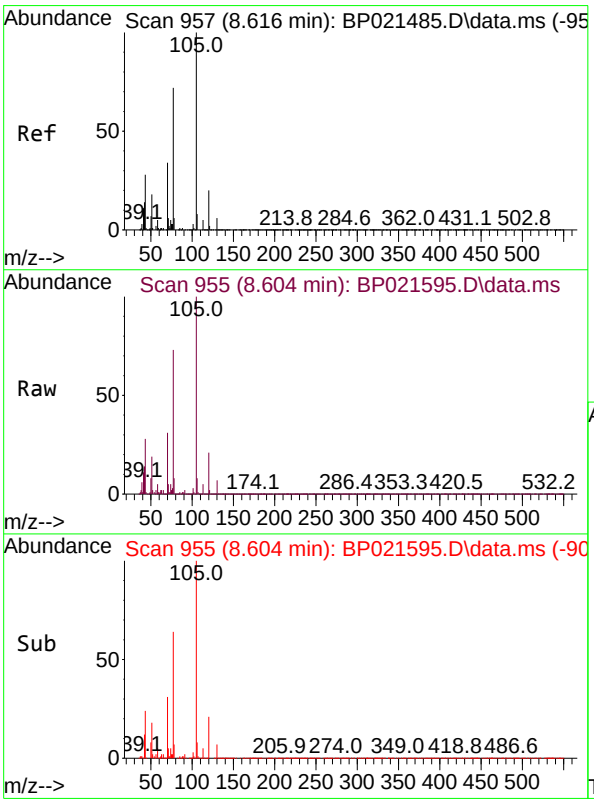
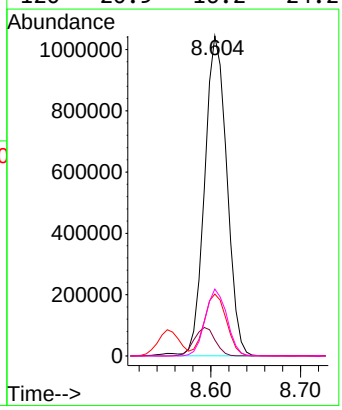
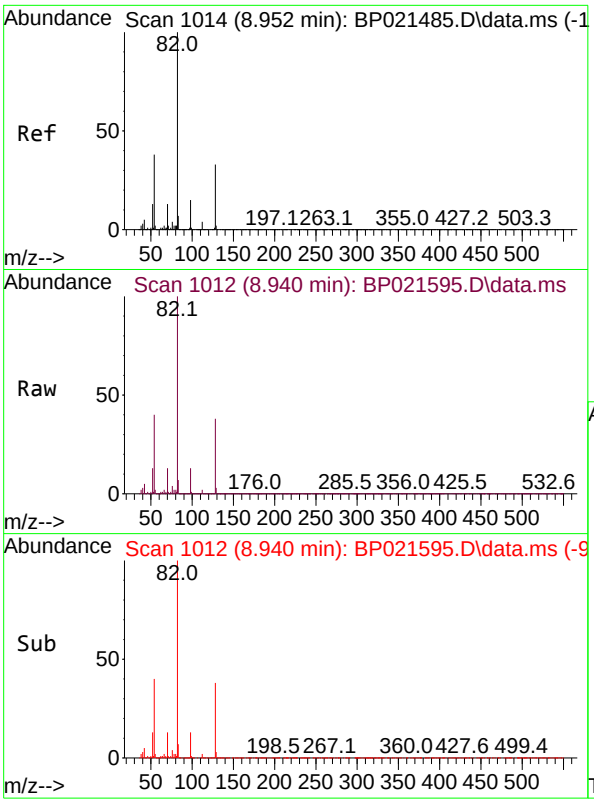


#22
Acetophenone
Concen: 37.920 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:105 Resp: 1784403

Ion	Ratio	Lower	Upper
105	100		
71	5.0	4.6	7.0
51	19.3	16.3	24.5
120	20.9	16.2	24.2

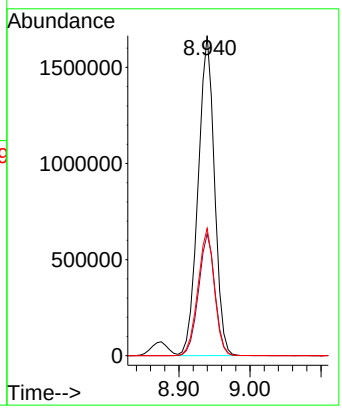




#23
Nitrobenzene-d5
Concen: 89.853 ng
RT: 8.940 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 82 Resp: 266651

Ion	Ratio	Lower	Upper
82	100		
128	38.1	26.5	39.7
54	39.8	30.3	45.5



Instrument :
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ClientSampleId :
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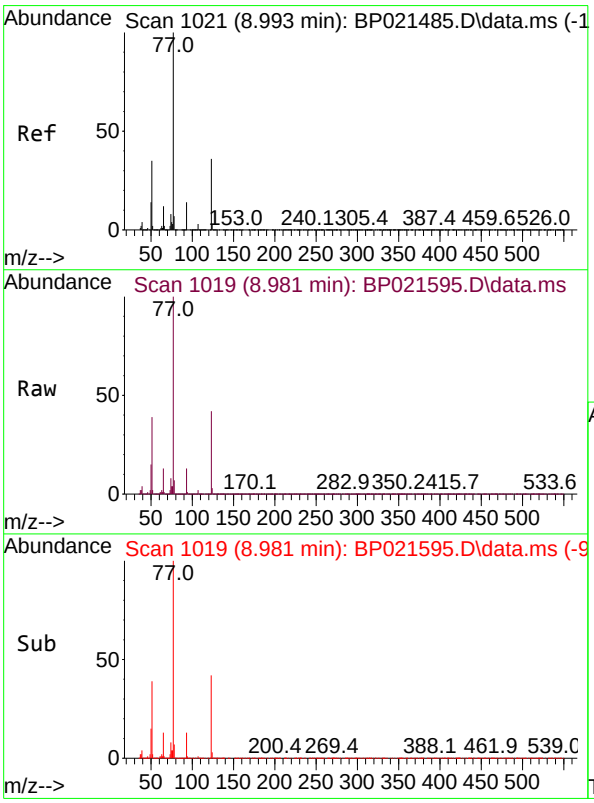
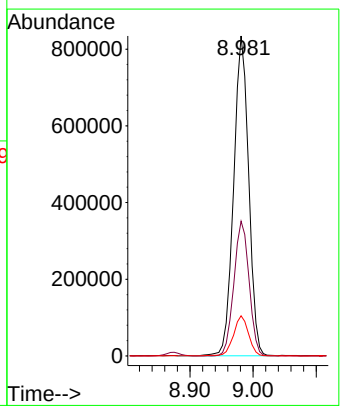
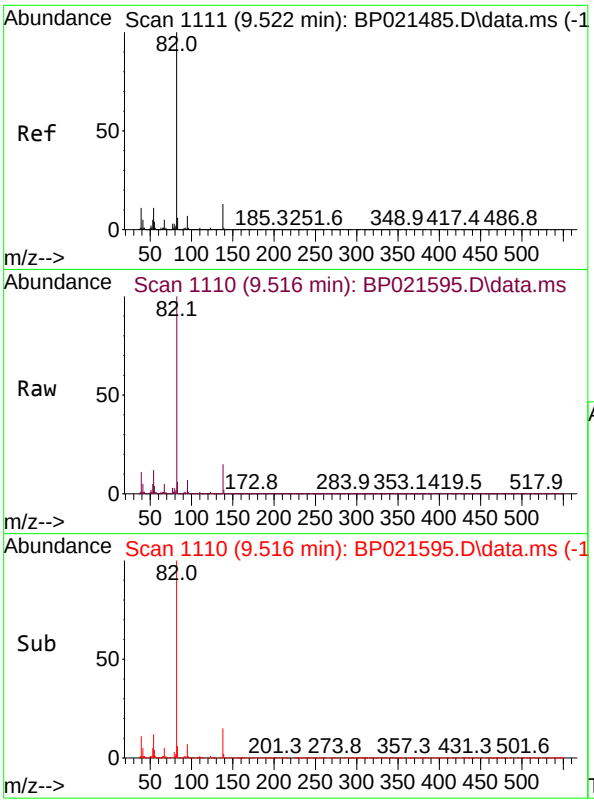


#24
Nitrobenzene
Concen: 42.755 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 77 Resp: 1378068

Ion	Ratio	Lower	Upper
77	100		
123	42.1	29.5	44.3
65	12.5	9.9	14.9

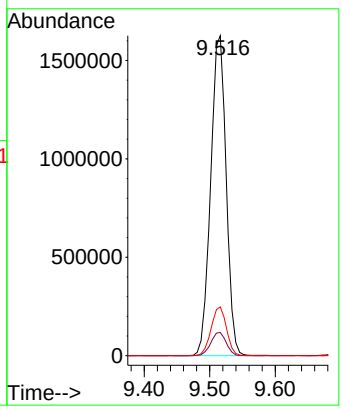




#25
Isophorone
Concen: 37.986 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 82 Resp: 266313

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.4	8.2
138	15.3	10.6	16.0



Instrument :
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ClientSampleId :
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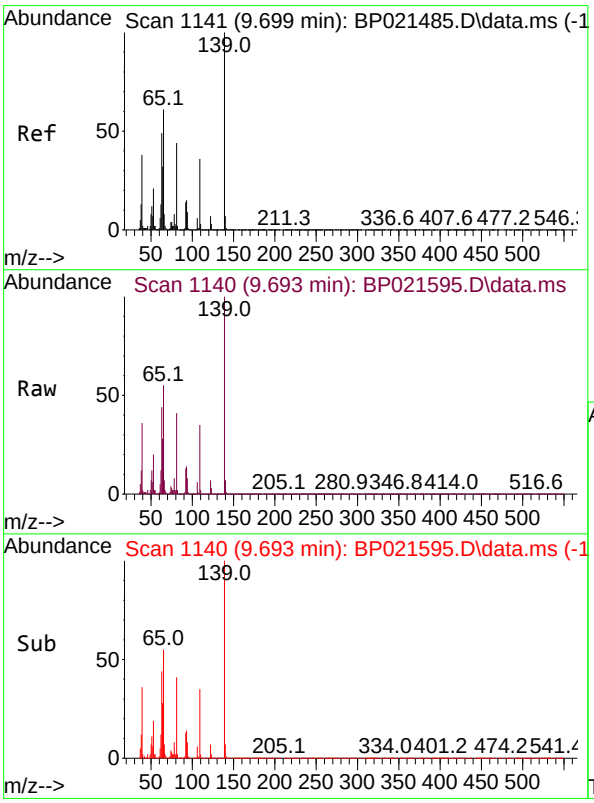
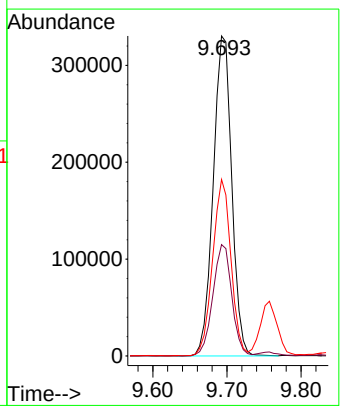
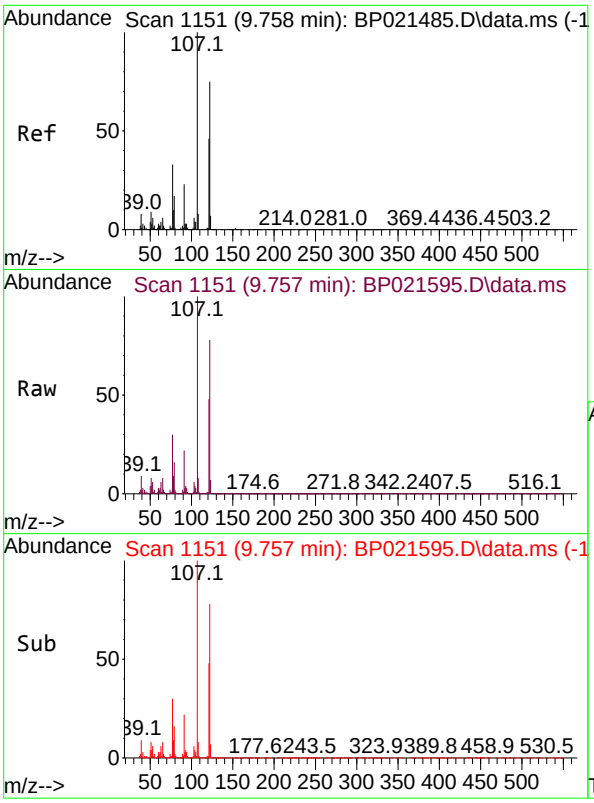


#26
2-Nitrophenol
Concen: 61.555 ng
RT: 9.693 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:139 Resp: 573672

Ion	Ratio	Lower	Upper
139	100		
109	34.8	28.9	43.3
65	55.2	49.0	73.6

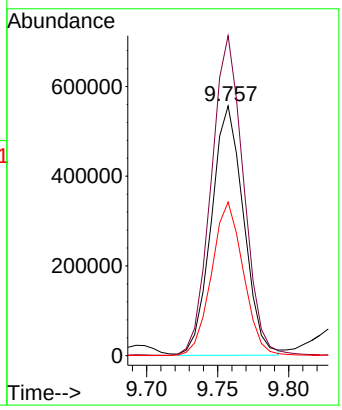




#27
2,4-Dimethylphenol
Concen: 50.640 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:122 Resp: 87617

Ion	Ratio	Lower	Upper
122	100		
107	128.1	106.2	159.4
121	61.5	48.8	73.2



Instrument :
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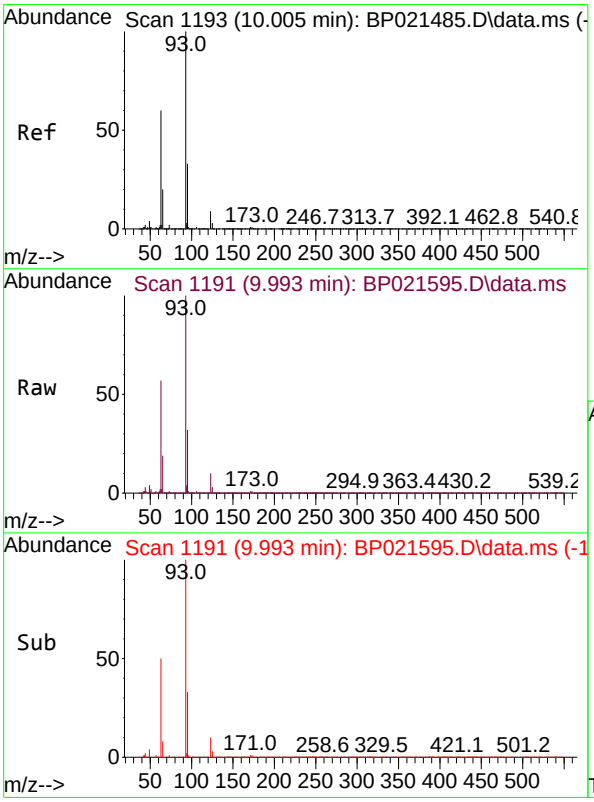
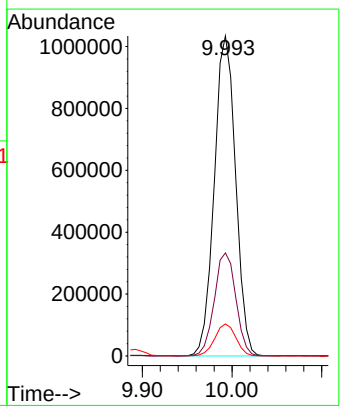
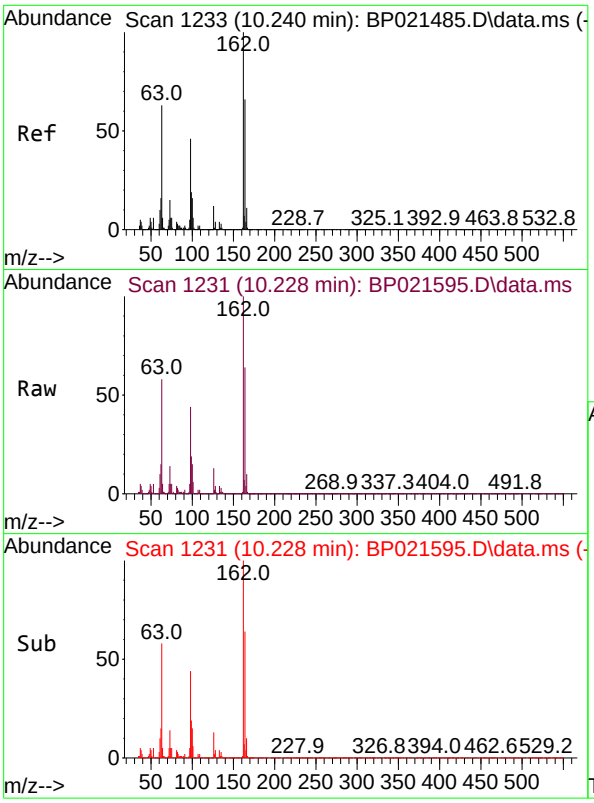


#28
bis(2-Chloroethoxy)methane
Concen: 39.795 ng
RT: 9.993 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 93 Resp: 1703029

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	10.0	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 52.467 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:162 Resp: 107256

Ion	Ratio	Lower	Upper
162	100		
164	63.6	45.9	85.9
98	44.2	26.3	66.3

Instrument :
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ClientSampleId :
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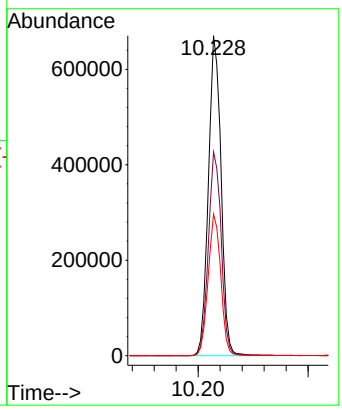
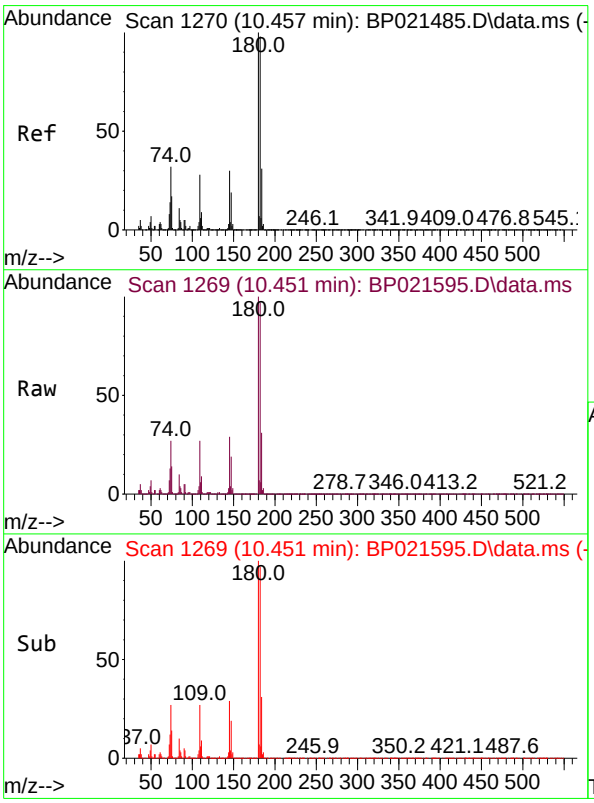
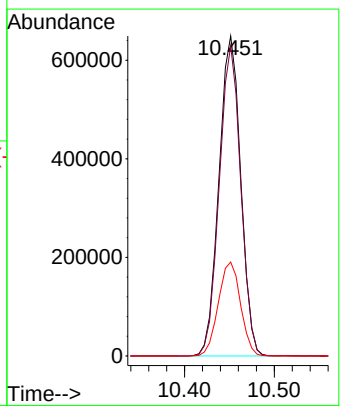


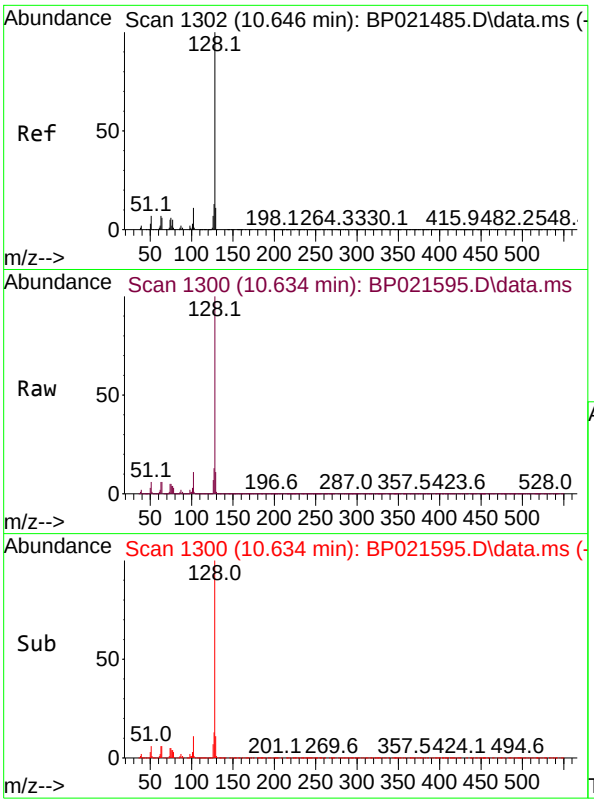


#30
1,2,4-Trichlorobenzene
Concen: 41.636 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:180 Resp: 1091243

Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.3	117.5
145	29.4	24.0	36.0





#31
Naphthalene
Concen: 42.523 ng
RT: 10.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:128 Resp: 340262

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.3	10.6	15.8

Instrument :
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ClientSampleId :
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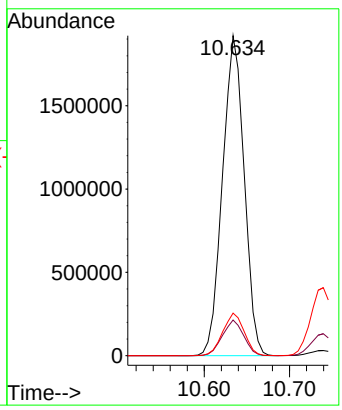
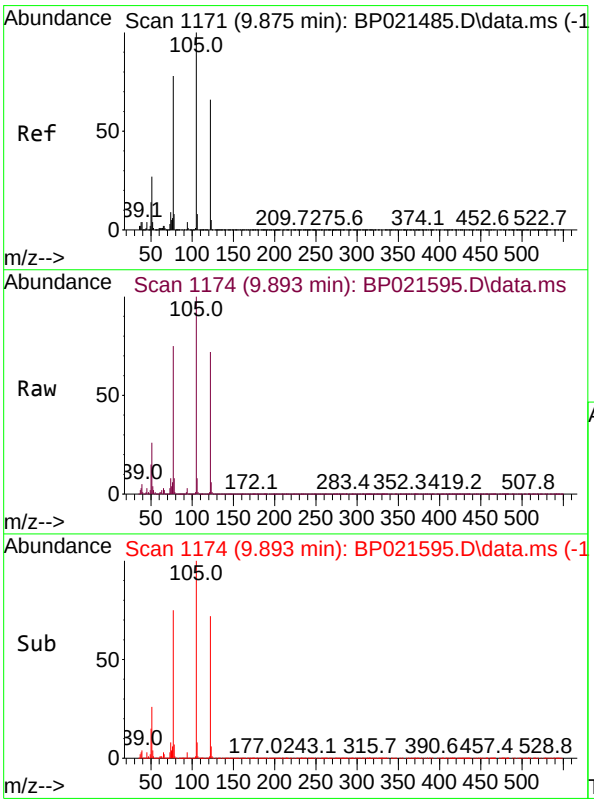
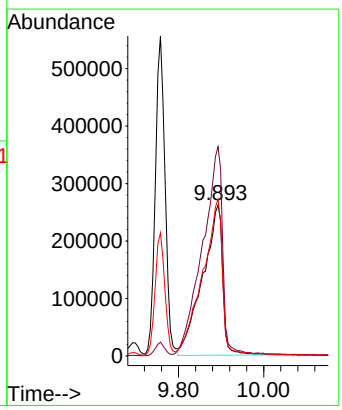


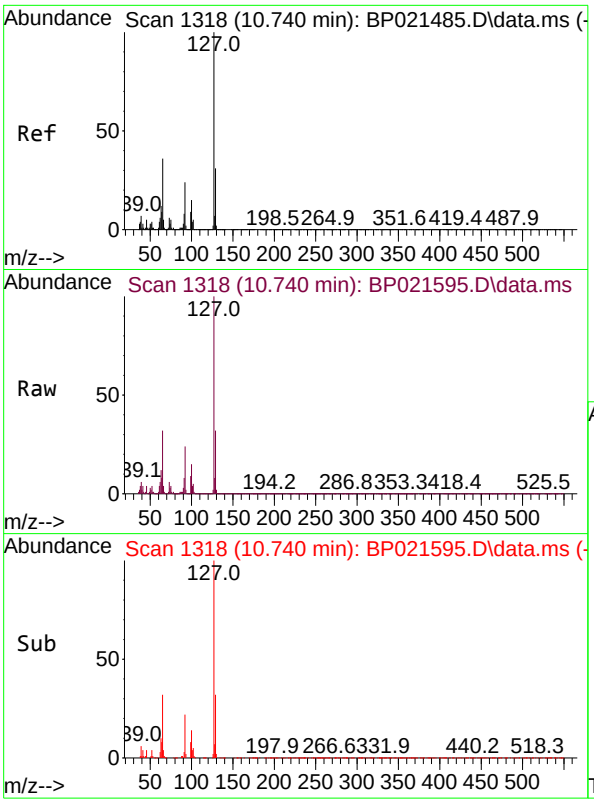


#32
Benzoic acid
Concen: 65.379 ng
RT: 9.893 min Scan# 1174
Delta R.T. 0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:122 Resp: 851943

Ion	Ratio	Lower	Upper
122	100		
105	138.7	124.6	164.6
77	103.9	96.2	136.2

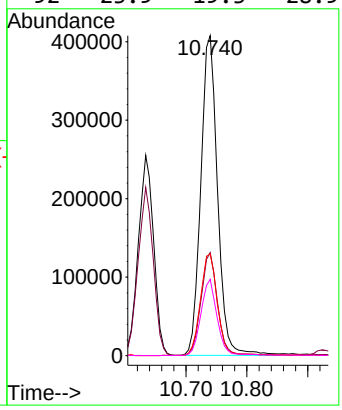




#33
4-Chloroaniline
Concen: 25.841 ng
RT: 10.740 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:127 Resp: 77672

Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.5	36.7
65	31.8	28.9	43.3
92	23.9	19.3	28.9



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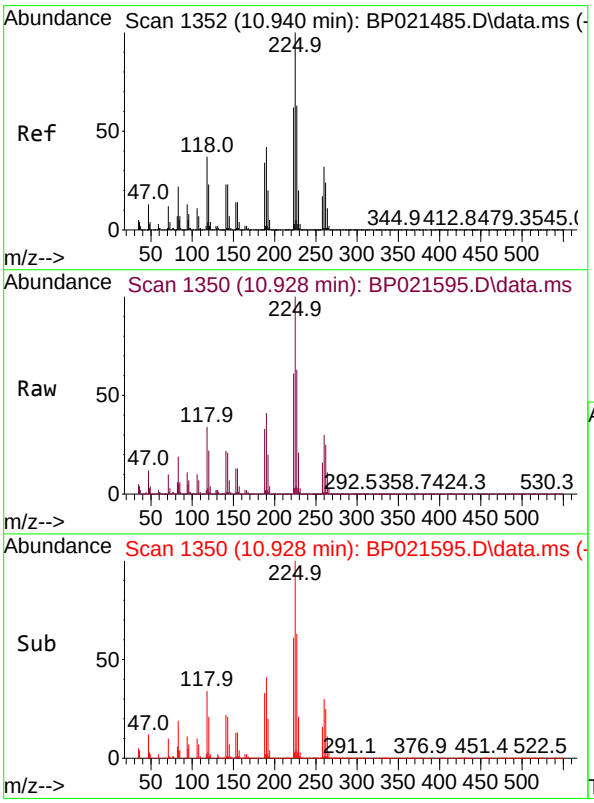
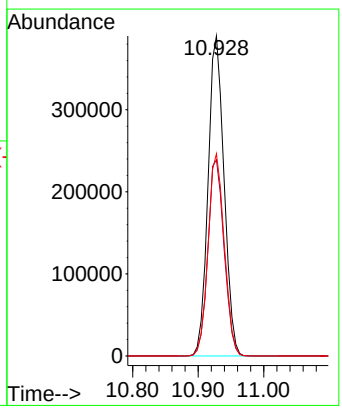
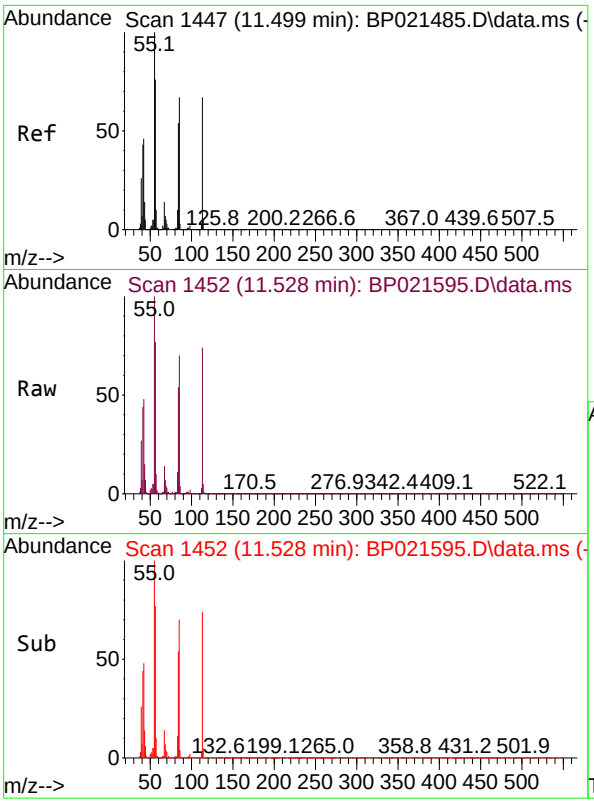


#34
Hexachlorobutadiene
Concen: 39.924 ng
RT: 10.928 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:225 Resp: 658832

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.6	74.4
227	63.2	50.1	75.1

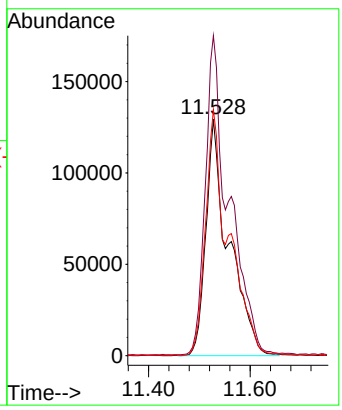




#35
Caprolactam
Concen: 47.343 ng m
RT: 11.528 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:113 Resp: 40283

Ion	Ratio	Lower	Upper
113	100		
55	135.4	130.6	170.6
56	104.1	94.6	134.6



Instrument :
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ClientSampleId :
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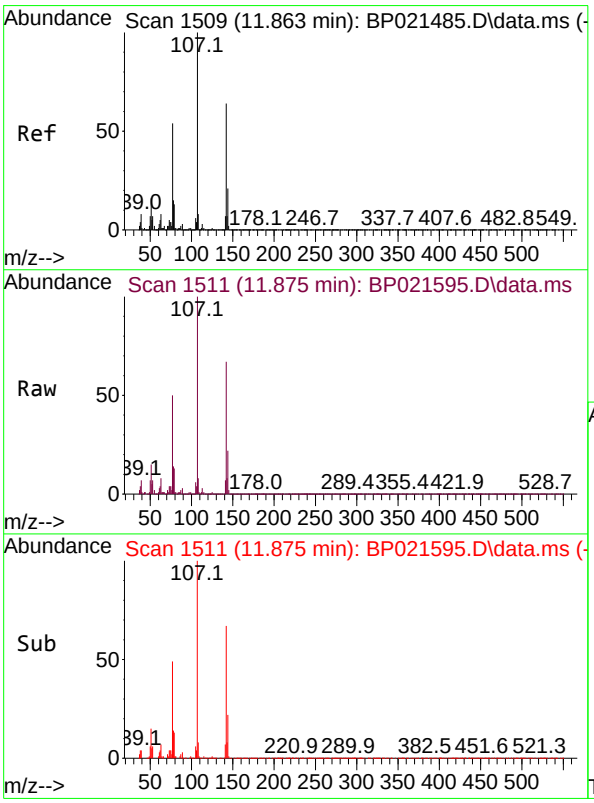
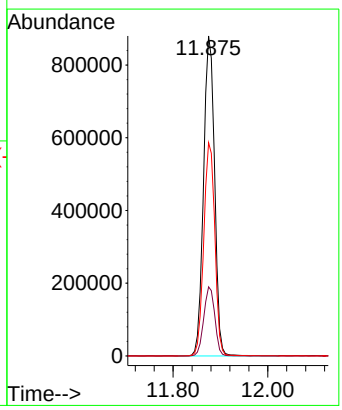
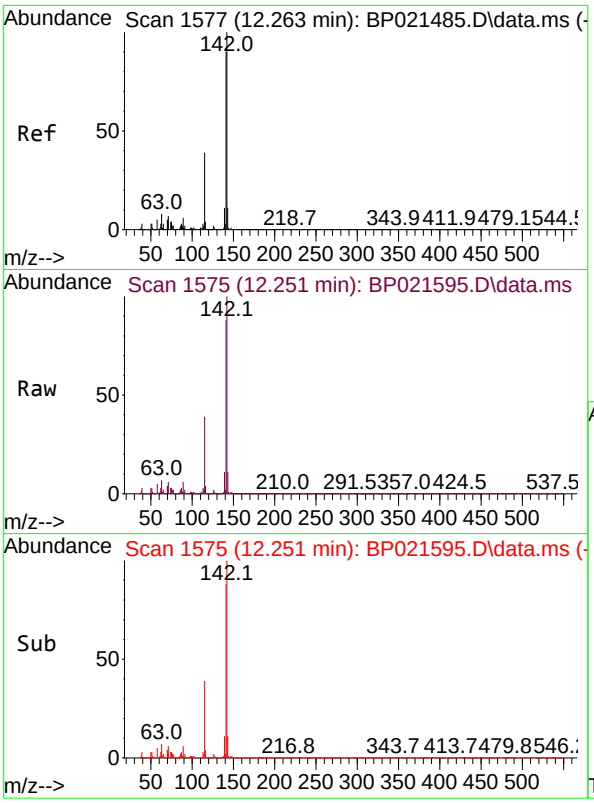


#36
4-Chloro-3-methylphenol
Concen: 50.007 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:107 Resp: 1418055

Ion	Ratio	Lower	Upper
107	100		
144	21.6	16.6	24.8
142	66.6	51.0	76.4

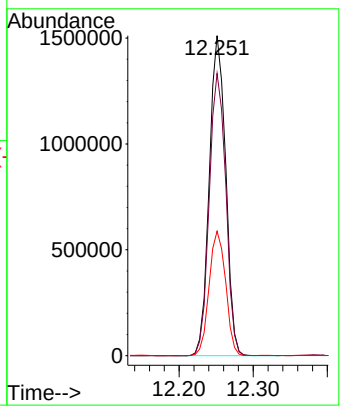




#37
2-Methylnaphthalene
Concen: 42.487 ng
RT: 12.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:142 Resp: 232031

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.7	107.5
115	38.9	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
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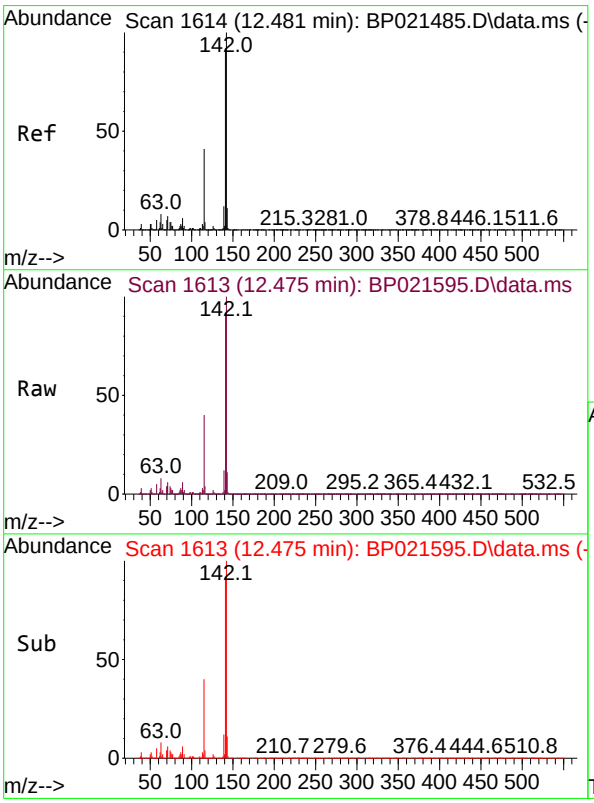
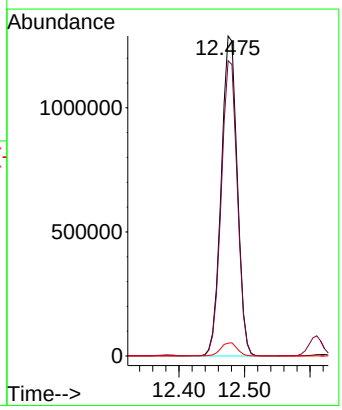
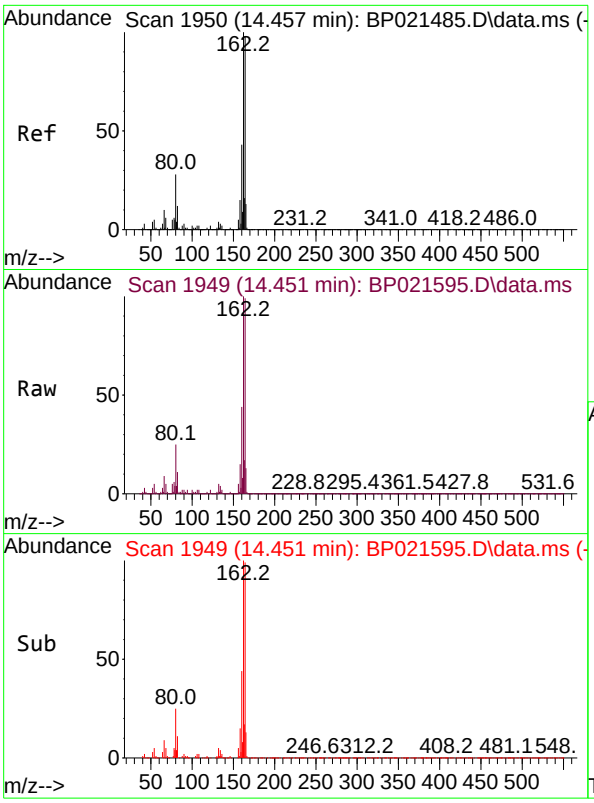


#38
1-Methylnaphthalene
Concen: 40.511 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:142 Resp: 2182028

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.5	110.3
116	4.0	3.4	5.2

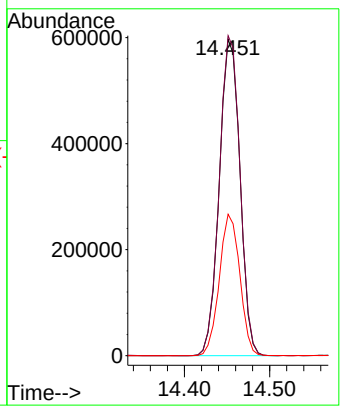




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:164 Resp: 100685

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.5	122.3
160	44.7	35.2	52.8



Instrument :
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ClientSampleId :
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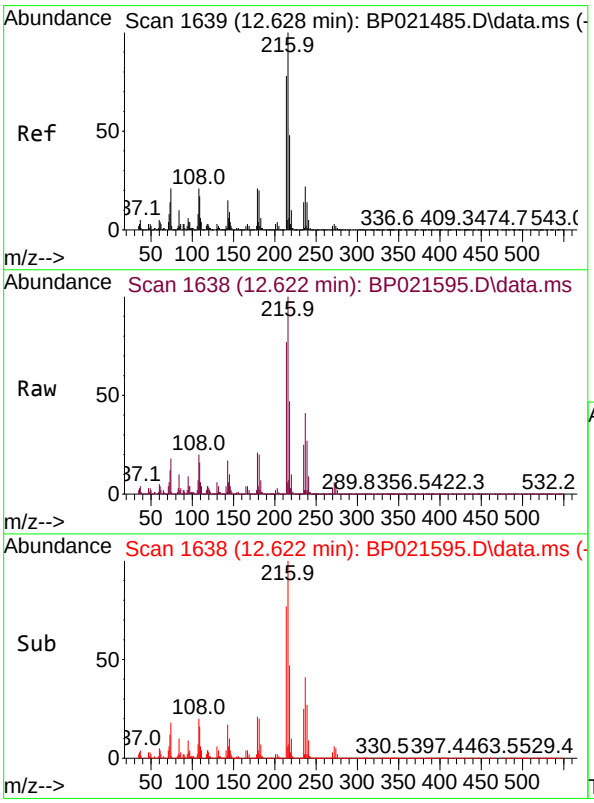
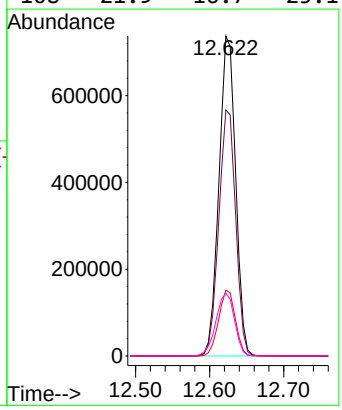
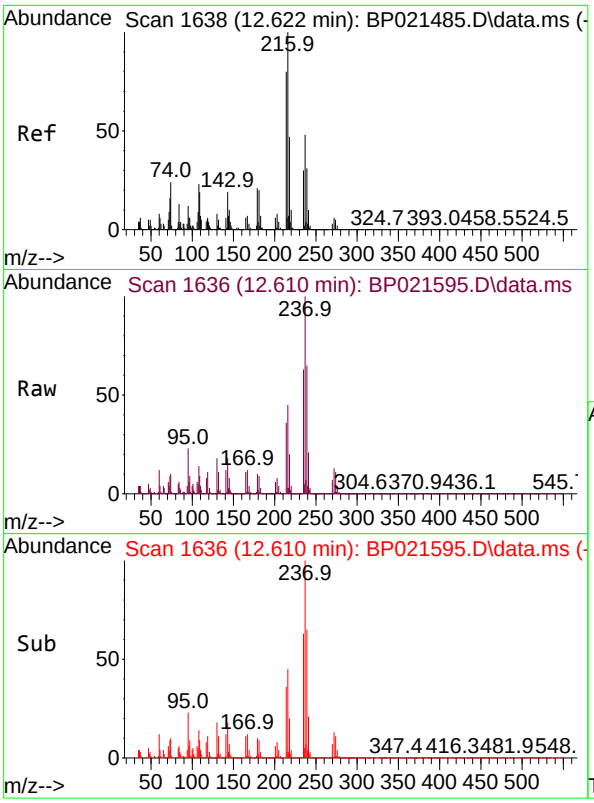


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.002 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:216 Resp: 1150611

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.5	93.7
179	20.6	16.4	24.6
108	21.9	16.7	25.1

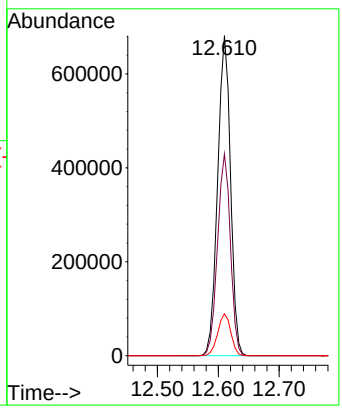




#41
Hexachlorocyclopentadiene
Concen: 106.554 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:237 Resp: 99627

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.9	83.9
272	13.1	0.0	33.3



Instrument :
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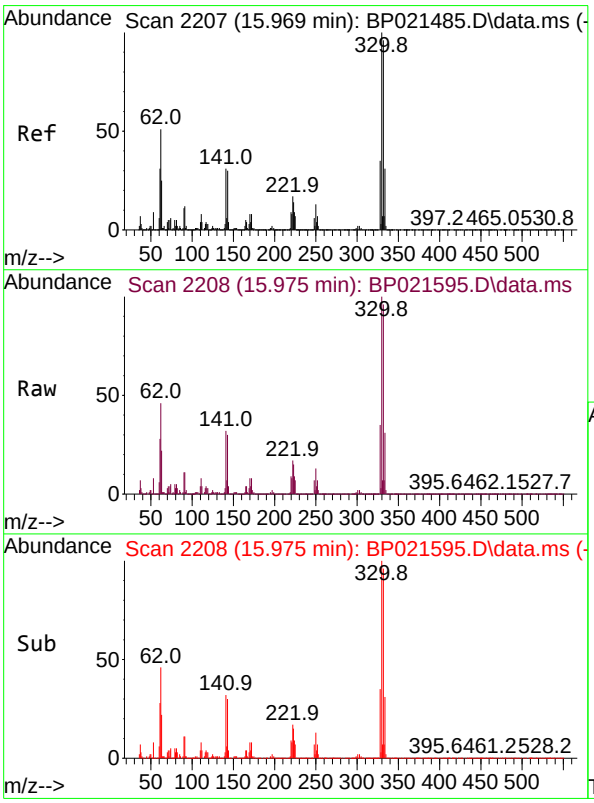
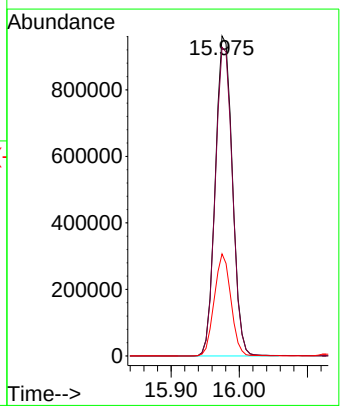
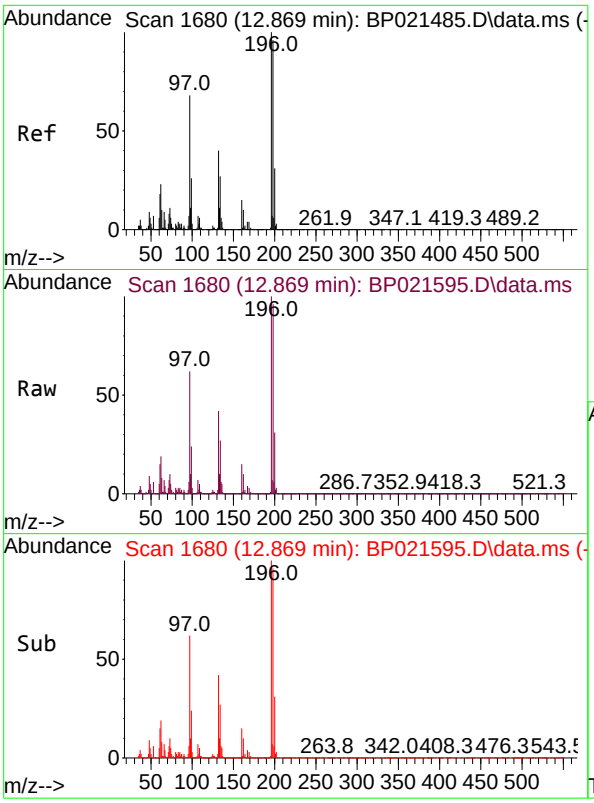


#42
2,4,6-Tribromophenol
Concen: 149.333 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:330 Resp: 1673417

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	31.1	24.5	36.7

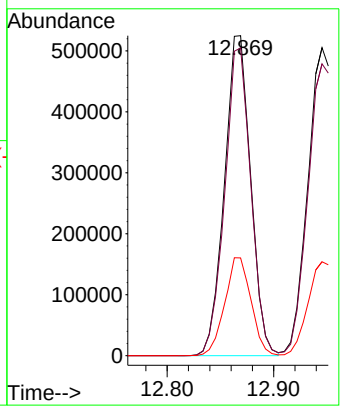




#43
2,4,6-Trichlorophenol
Concen: 54.919 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:196 Resp: 89998

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	114.8
200	30.5	24.5	36.7



Instrument :
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ClientSampleId :
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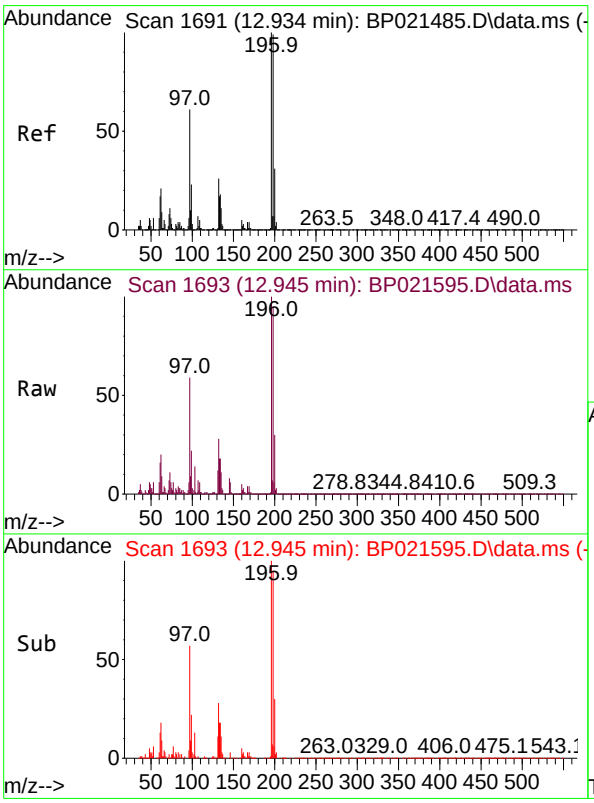
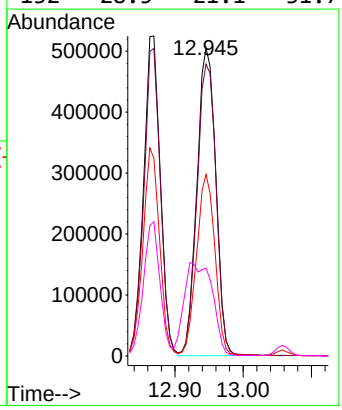
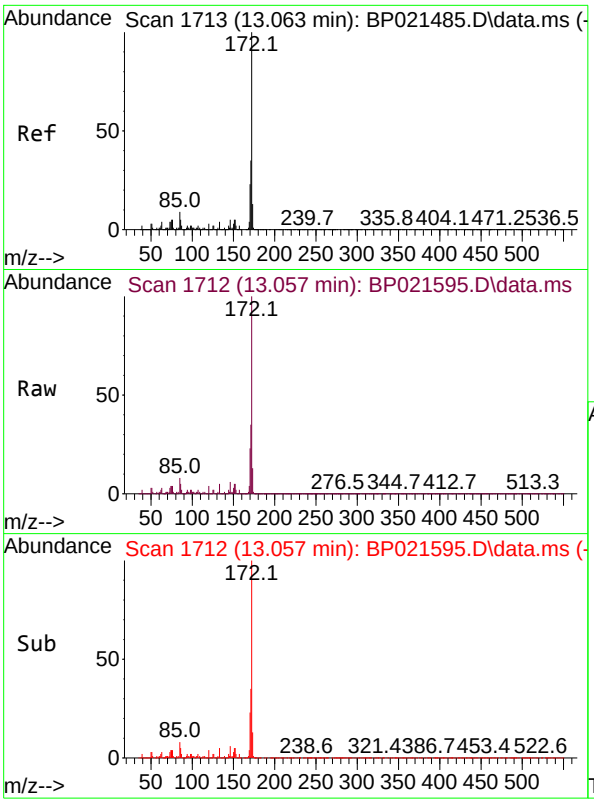


#44
2,4,5-Trichlorophenol
Concen: 53.428 ng
RT: 12.945 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:196 Resp: 972767

Ion	Ratio	Lower	Upper
196	100		
198	94.8	78.9	118.3
97	58.9	49.4	74.0
132	28.5	21.1	31.7

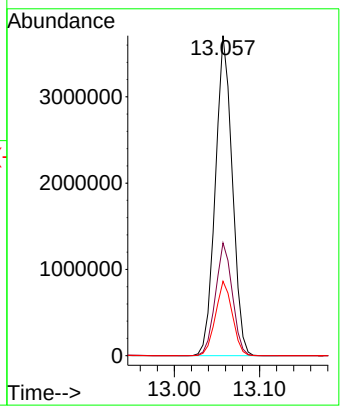




#45
2-Fluorobiphenyl
Concen: 77.817 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:172 Resp: 513388

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.2	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

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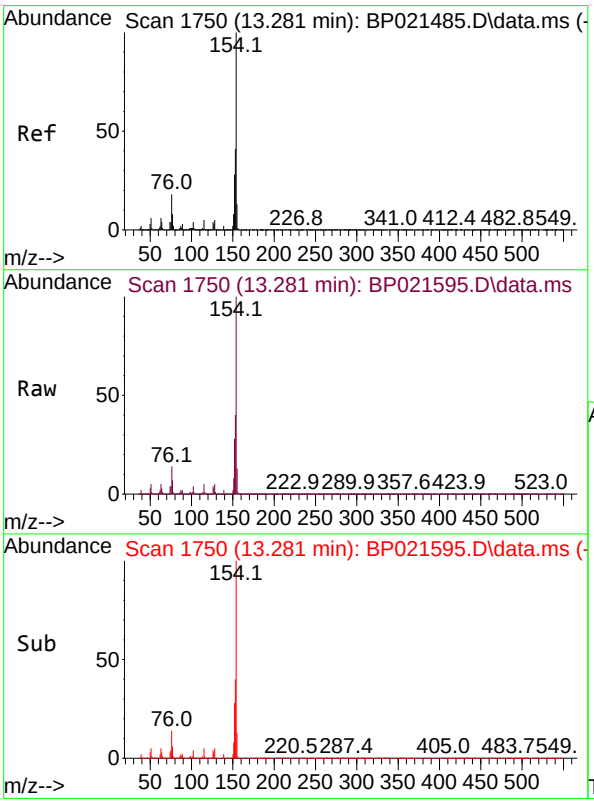
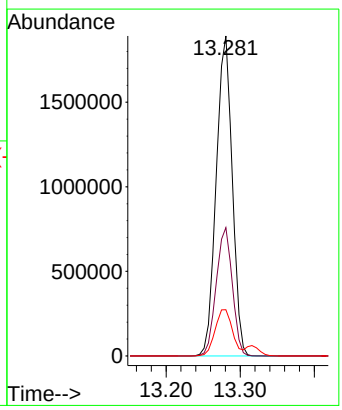
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

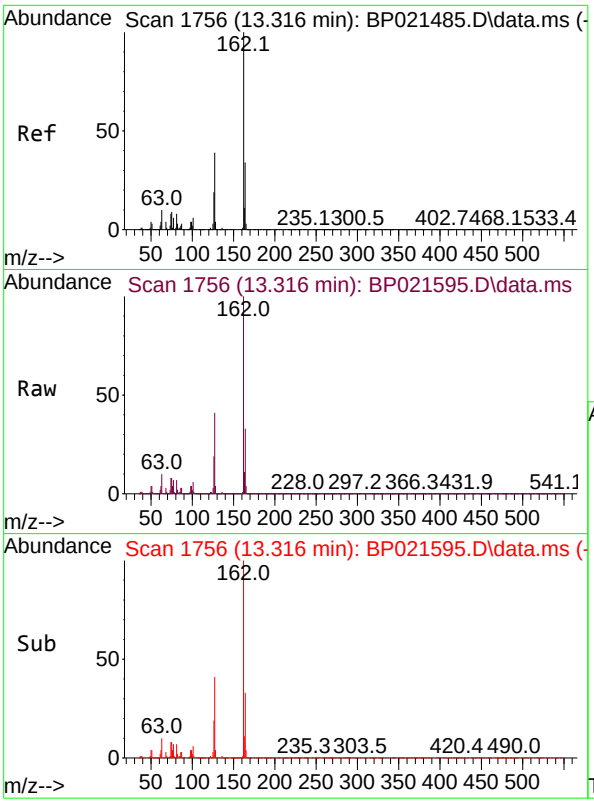


#46
1,1'-Biphenyl
Concen: 39.832 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:154 Resp: 2837499

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	14.5	0.0	37.7

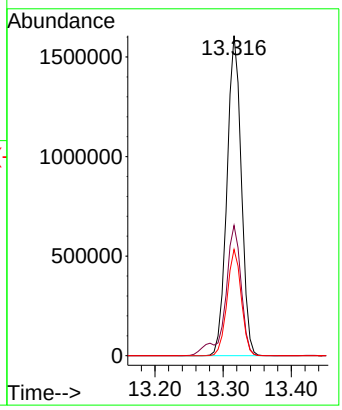




#47
2-Chloronaphthalene
Concen: 42.367 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:162 Resp: 234970

Ion	Ratio	Lower	Upper
162	100		
127	40.7	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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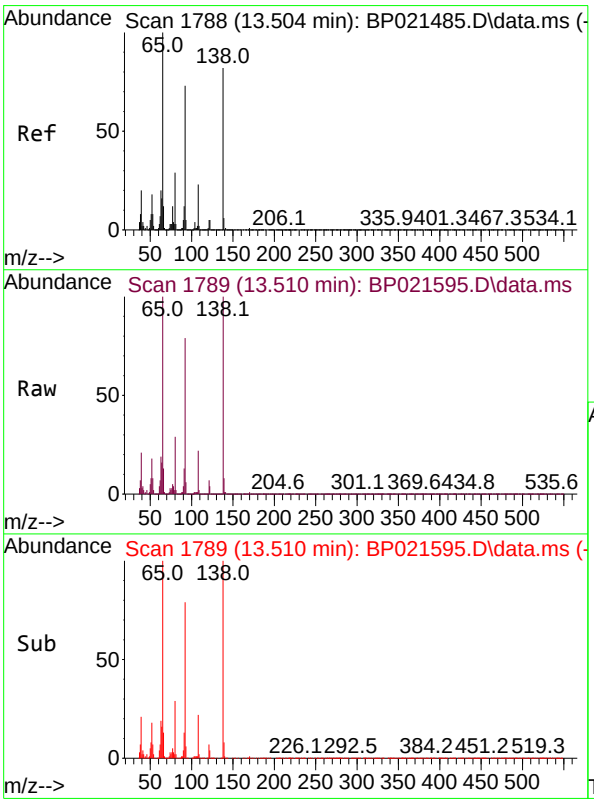
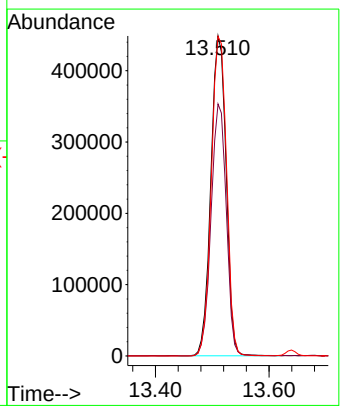
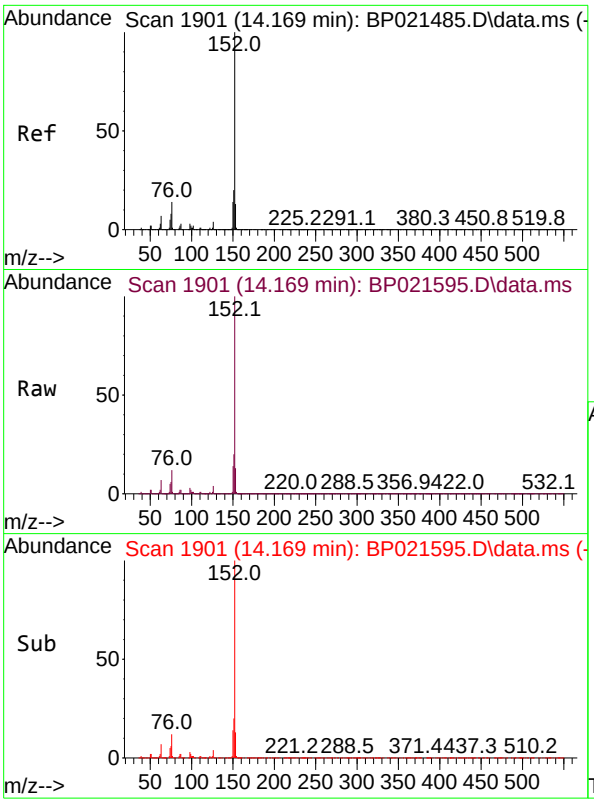


#48
2-Nitroaniline
Concen: 53.124 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 65 Resp: 835325

Ion	Ratio	Lower	Upper
65	100		
92	78.7	58.1	87.1
138	99.9	65.5	98.3#

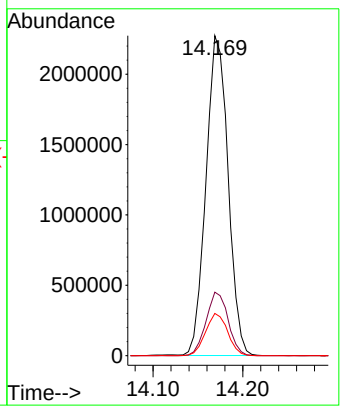




#49
Acenaphthylene
Concen: 47.725 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:152 Resp: 389094

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	16.0



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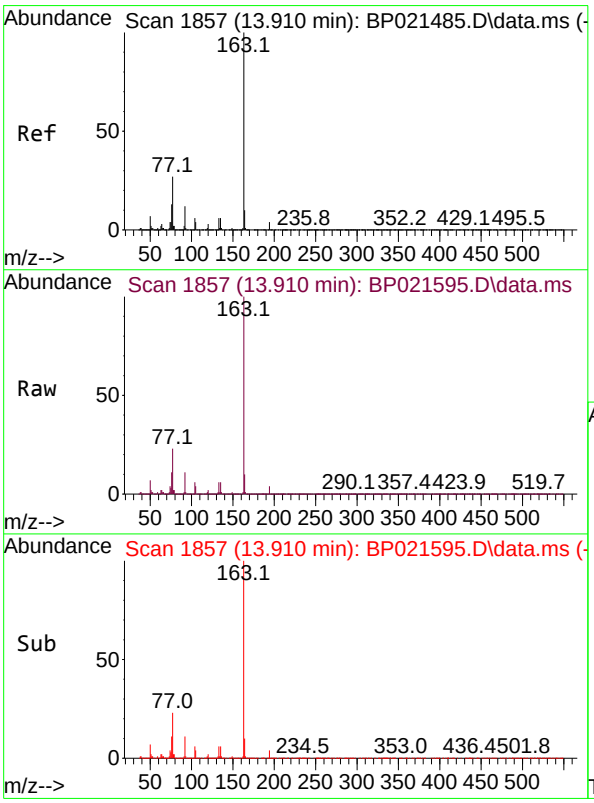
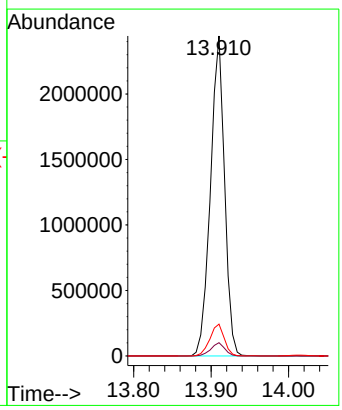
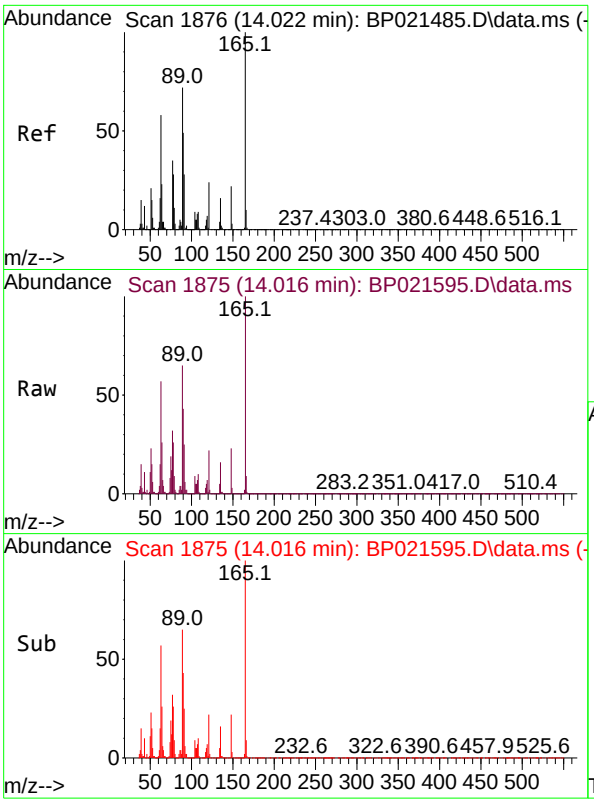


#50
Dimethylphthalate
Concen: 45.810 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:163 Resp: 3088858

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.0	8.3	12.5

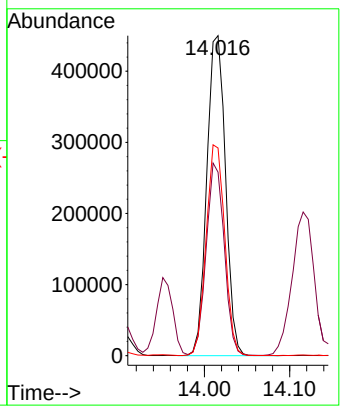




#51
2,6-Dinitrotoluene
Concen: 50.083 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:165 Resp: 68386

Ion	Ratio	Lower	Upper
165	100		
63	57.3	51.5	77.3
89	64.9	57.8	86.8



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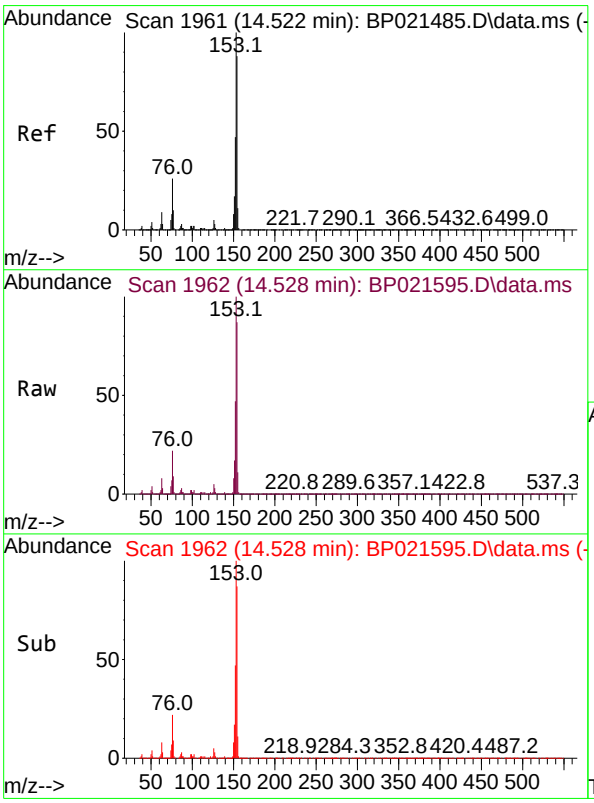
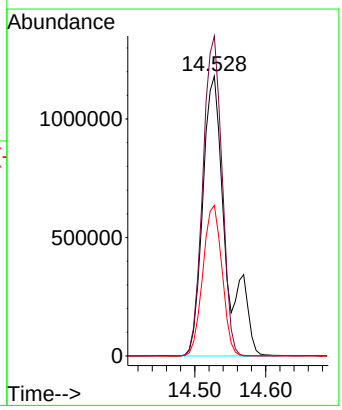
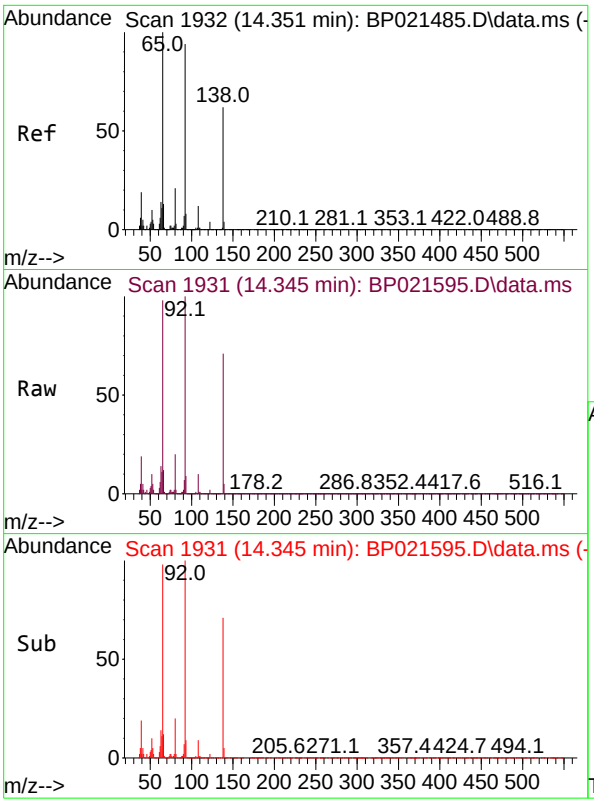


#52
Acenaphthene
Concen: 50.099 ng m
RT: 14.528 min Scan# 1962
Delta R.T. 0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:154 Resp: 2679983

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.1	136.7
152	53.8	43.0	64.4





#53
3-Nitroaniline
Concen: 43.381 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:138 Resp: 57457

Ion	Ratio	Lower	Upper
138	100		
108	13.5	16.2	24.4#
92	140.8	122.2	183.4

Instrument :
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ClientSampleId :
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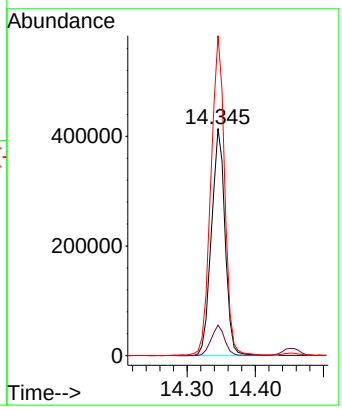
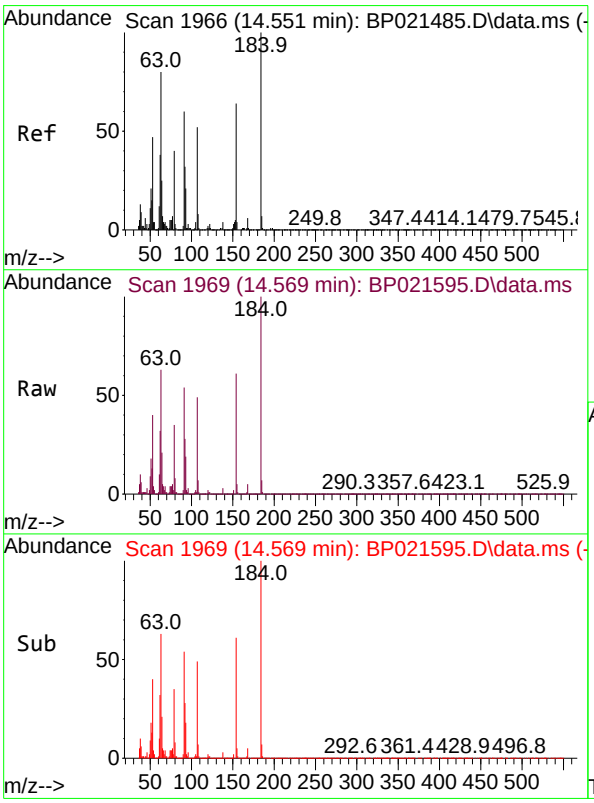
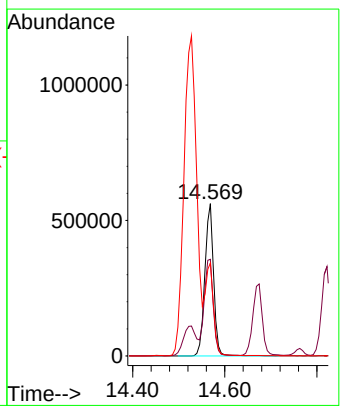


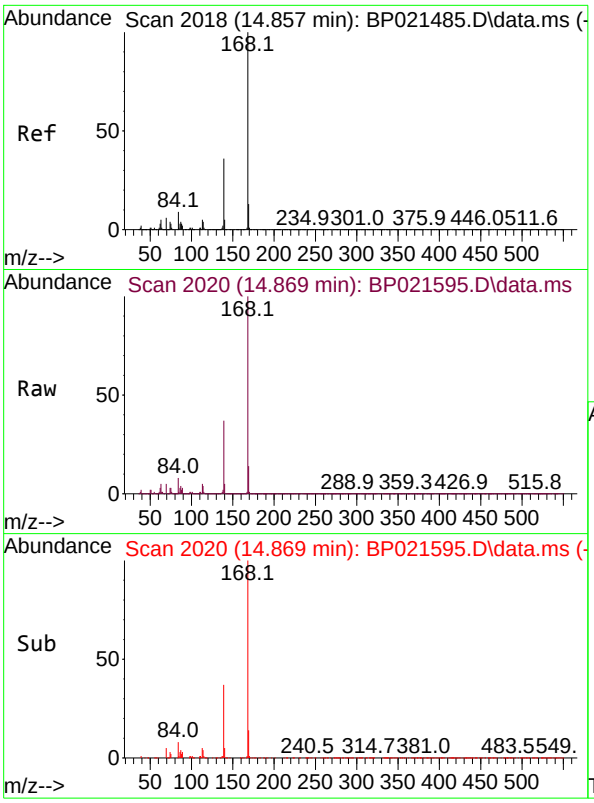


#54
2,4-Dinitrophenol
Concen: 122.690 ng
RT: 14.569 min Scan# 1969
Delta R.T. 0.018 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:184 Resp: 747280

Ion	Ratio	Lower	Upper
184	100		
63	63.4	64.9	97.3#
154	61.1	52.1	78.1

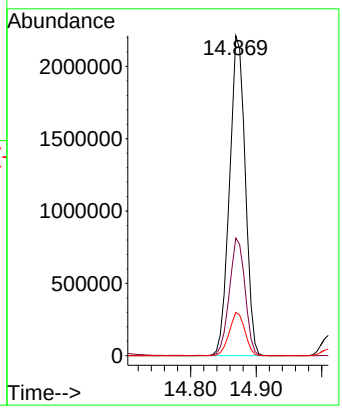




#55
Dibenzofuran
Concen: 44.735 ng
RT: 14.869 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:168 Resp: 368126

Ion	Ratio	Lower	Upper
168	100		
139	36.7	28.6	43.0
169	13.6	10.6	16.0



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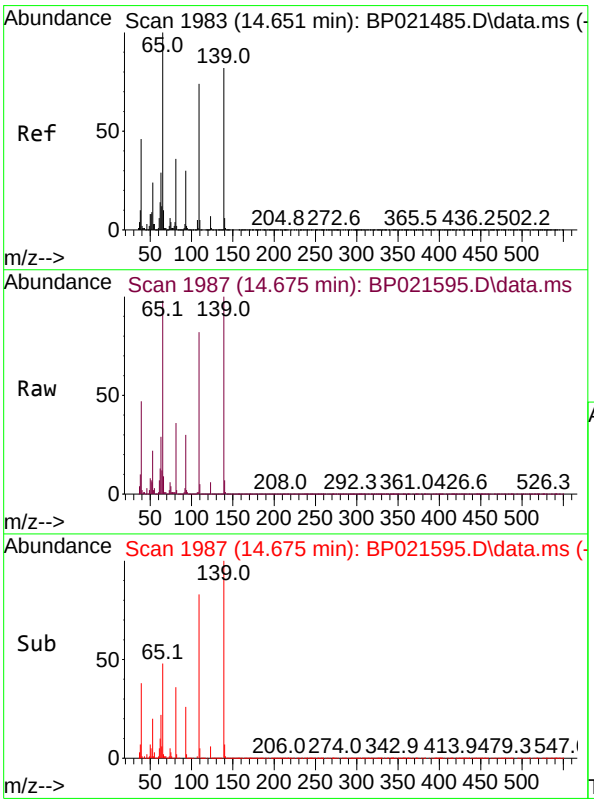
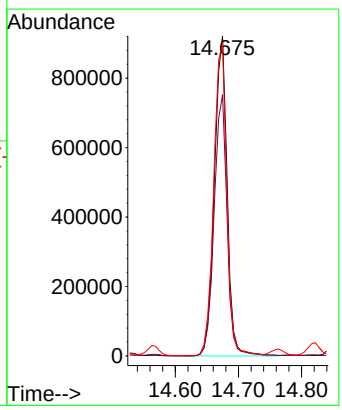
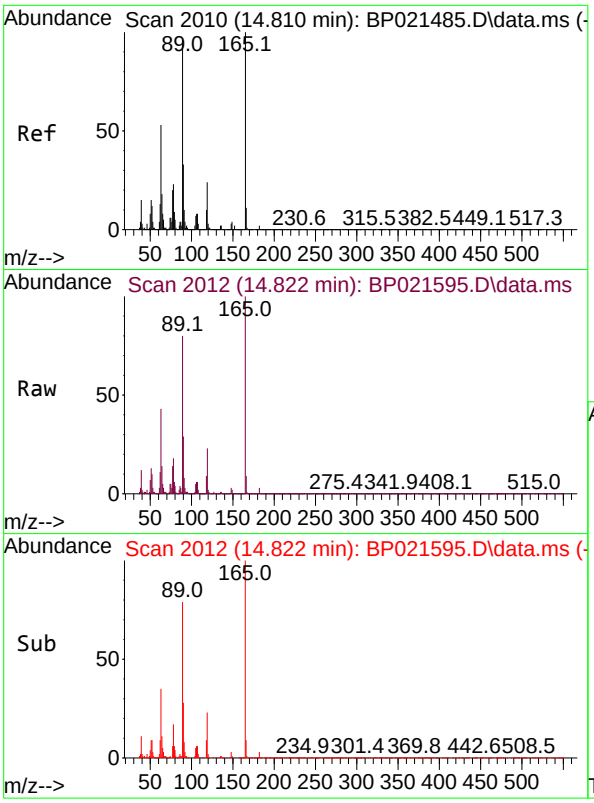


#56
4-Nitrophenol
Concen: 113.046 ng
RT: 14.675 min Scan# 1987
Delta R.T. 0.024 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:139 Resp: 1289235

Ion	Ratio	Lower	Upper
139	100		
109	81.7	70.2	110.2
65	97.5	101.8	141.8#

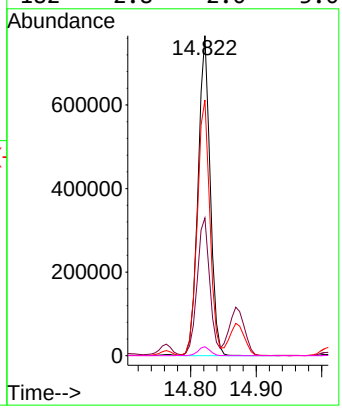




#57
2,4-Dinitrotoluene
Concen: 56.086 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:165 Resp: 98672

Ion	Ratio	Lower	Upper
165	100		
63	43.1	42.5	63.7
89	79.9	77.1	115.7
182	2.8	2.0	3.0



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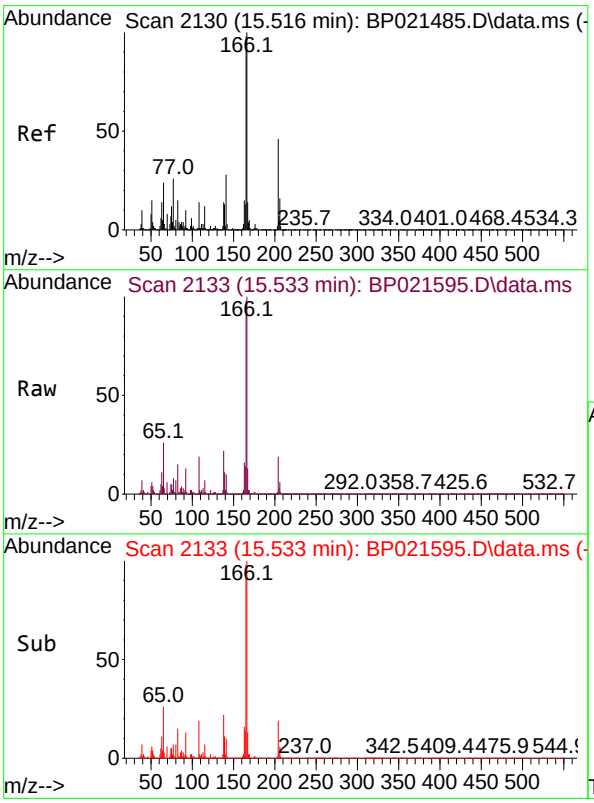
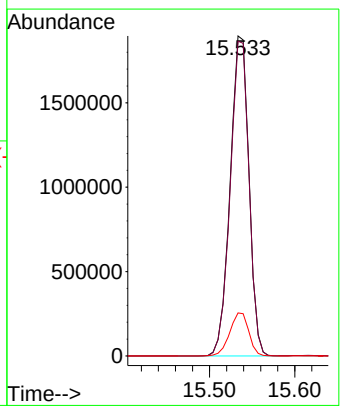
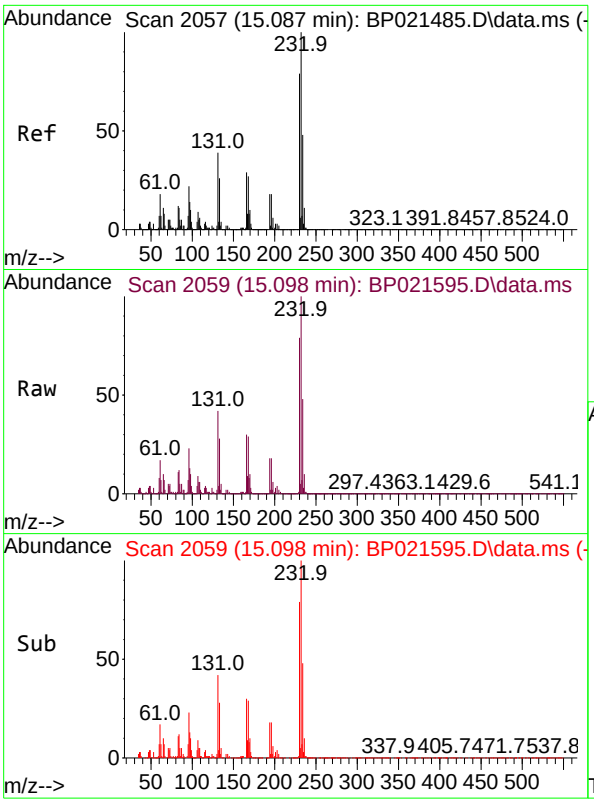


#58
Fluorene
Concen: 42.892 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.017 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:166 Resp: 2899678

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.1	117.1
167	13.4	11.0	16.4

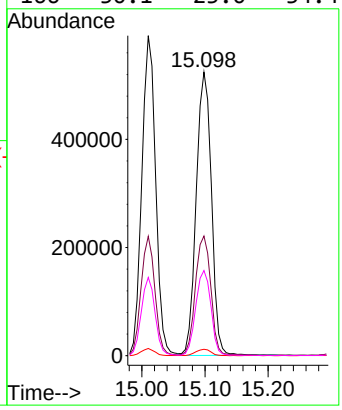




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.815 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:232 Resp: 87800

Ion	Ratio	Lower	Upper
232	100		
131	42.6	33.1	49.7
130	2.3	1.7	2.5
166	30.1	23.0	34.4



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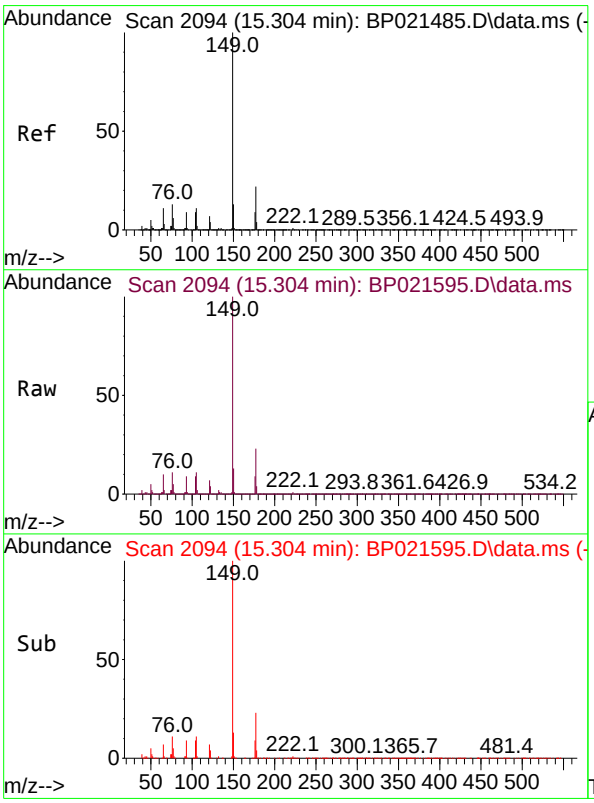
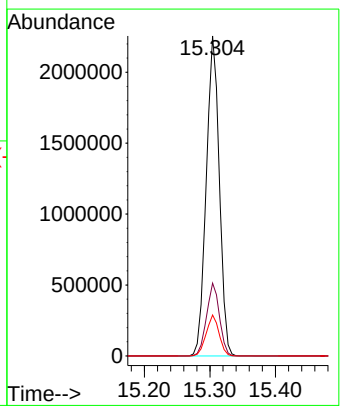
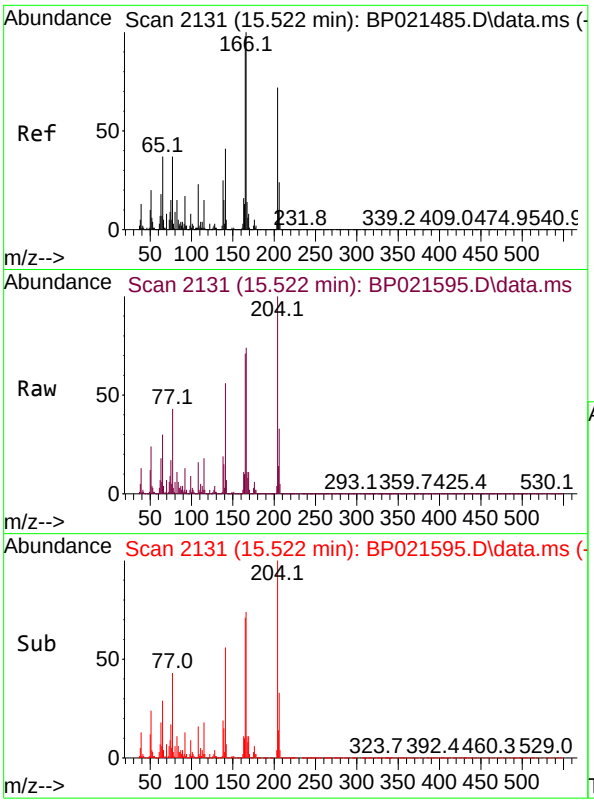


#60
Diethylphthalate
Concen: 45.186 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:149 Resp: 3126196

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.8	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.541 ng
RT: 15.522 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:204 Resp: 148659

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	56.0	46.1	69.1

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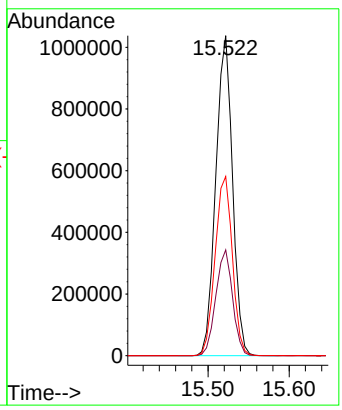
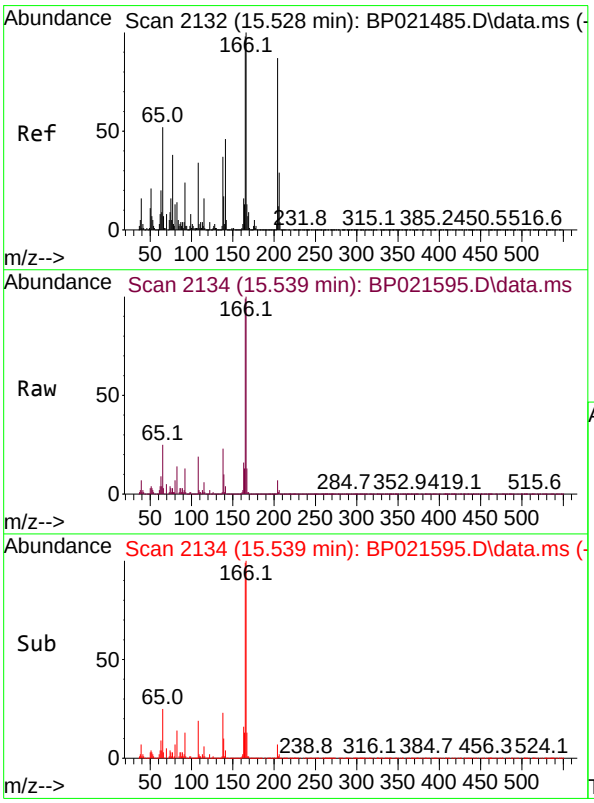
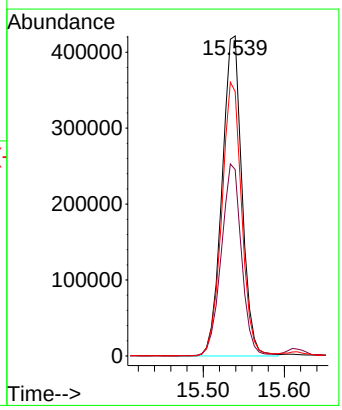


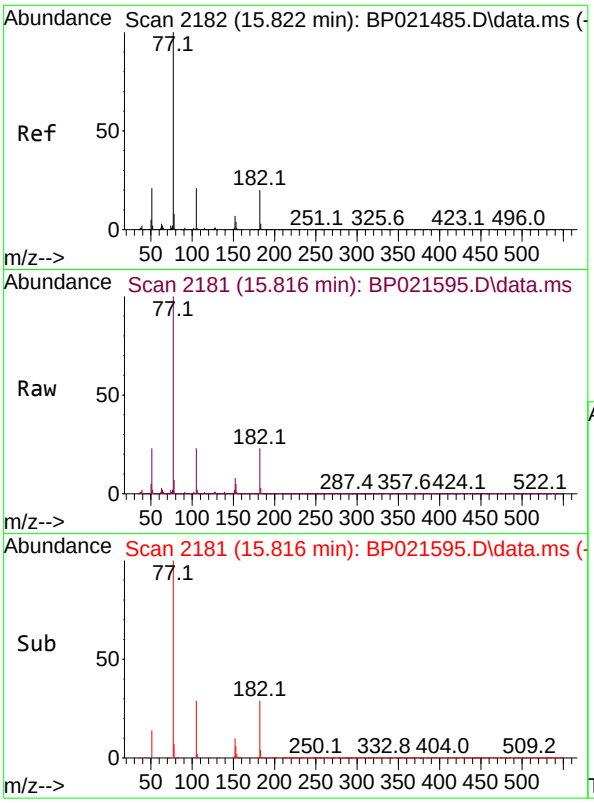


#62
4-Nitroaniline
Concen: 51.968 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:138 Resp: 717929

Ion	Ratio	Lower	Upper
138	100		
92	58.3	46.4	86.4
108	82.6	73.2	113.2

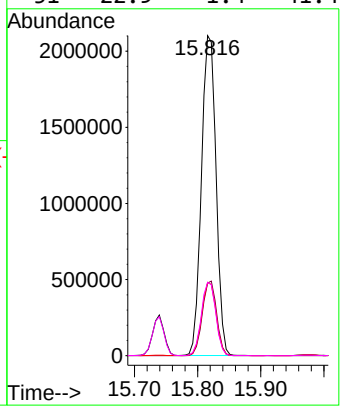




#63
Azobenzene
Concen: 39.717 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion: 77 Resp: 337766

Ion	Ratio	Lower	Upper
77	100		
182	22.7	0.0	39.9
105	22.9	0.9	40.9
51	22.9	1.4	41.4



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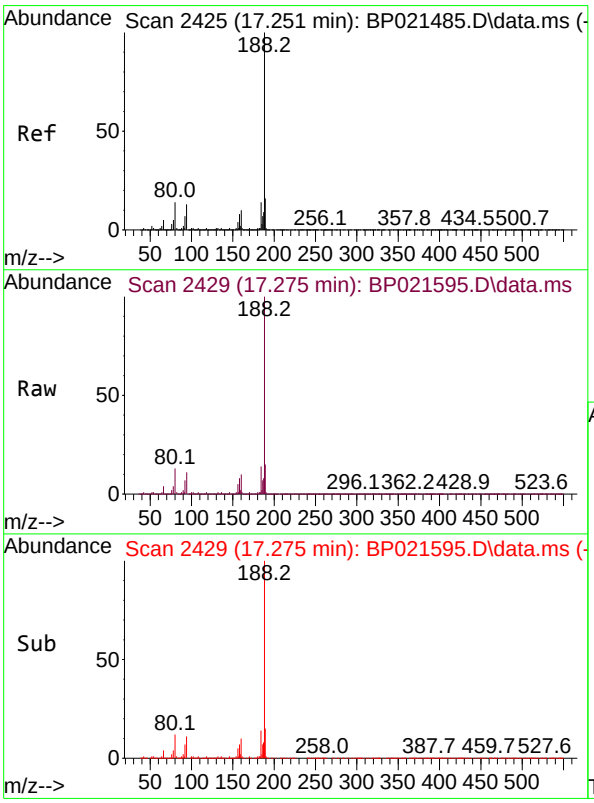
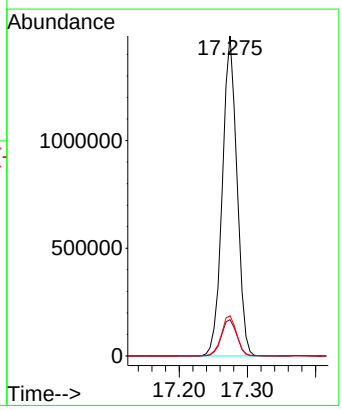
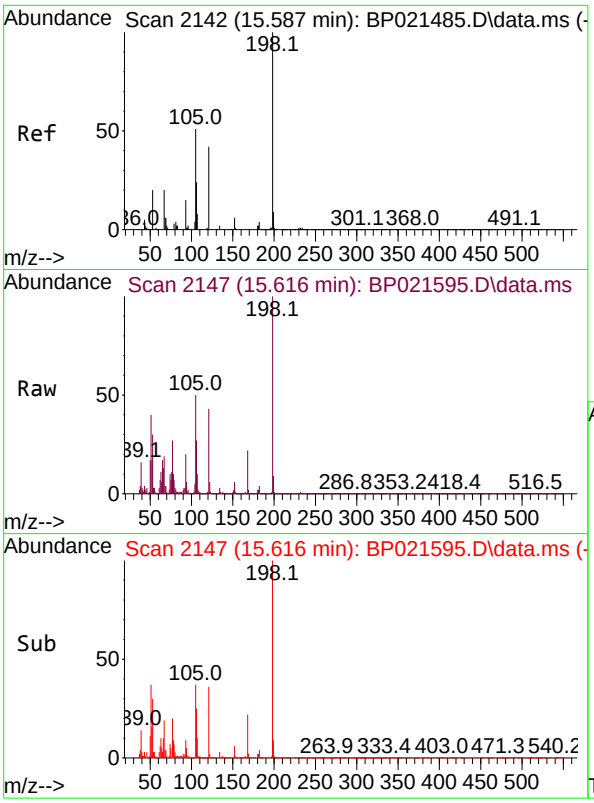


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2429
Delta R.T. 0.023 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:188 Resp: 2217857

Ion	Ratio	Lower	Upper
188	100		
94	11.3	10.2	15.4
80	12.5	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 68.253 ng
RT: 15.616 min Scan# 21
Delta R.T. 0.029 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:198 Resp: 52817

Ion	Ratio	Lower	Upper
198	100		
51	40.2	21.5	61.5
105	49.7	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
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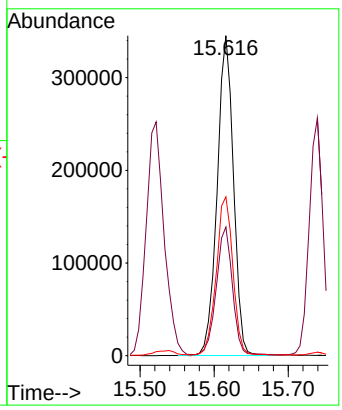
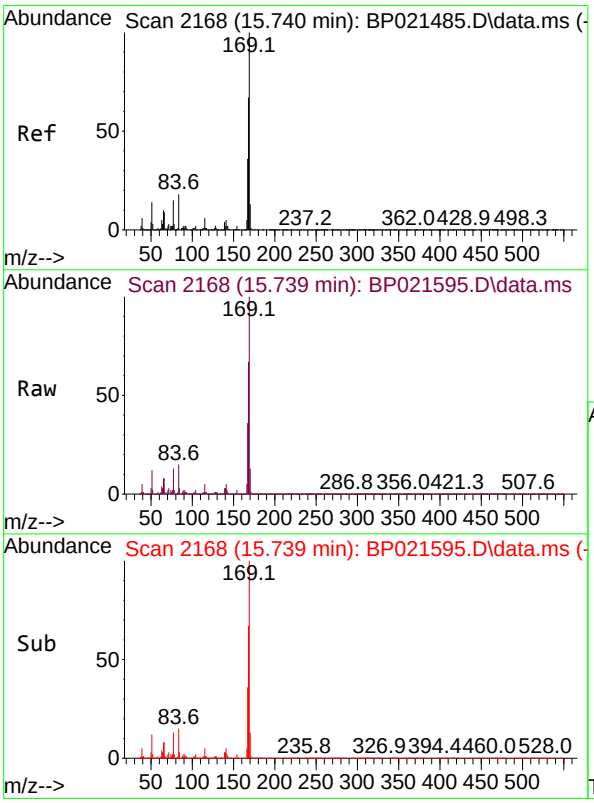
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

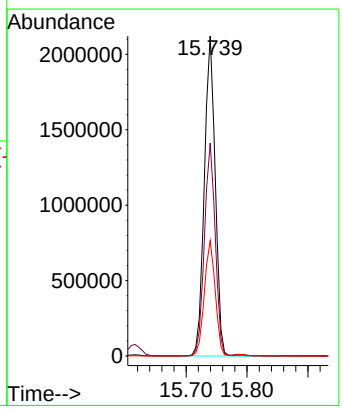


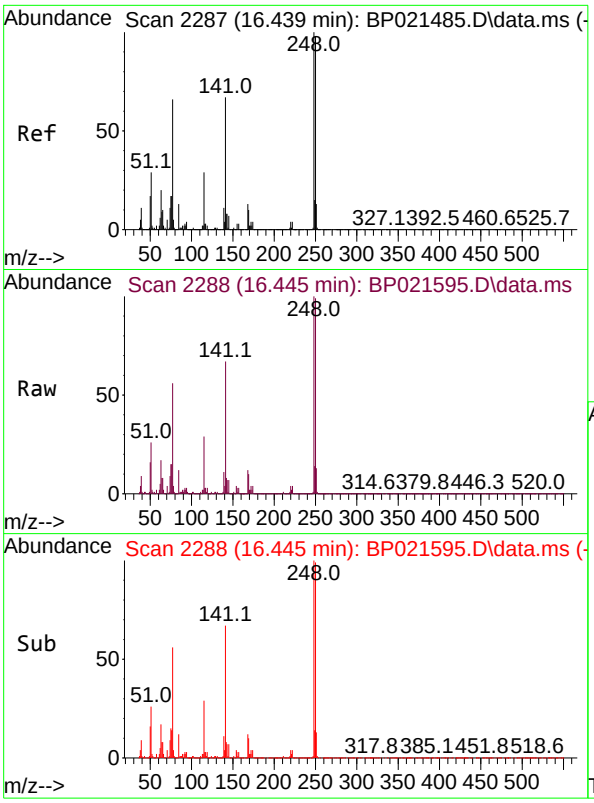


#66
n-Nitrosodiphenylamine
Concen: 44.351 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:169 Resp: 2636014

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.1	28.7	43.1

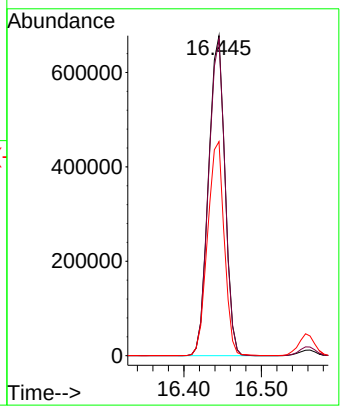




#67
4-Bromophenyl-phenylether
Concen: 42.530 ng
RT: 16.445 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:248 Resp: 99830

Ion	Ratio	Lower	Upper
248	100		
250	98.9	78.6	117.8
141	66.9	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
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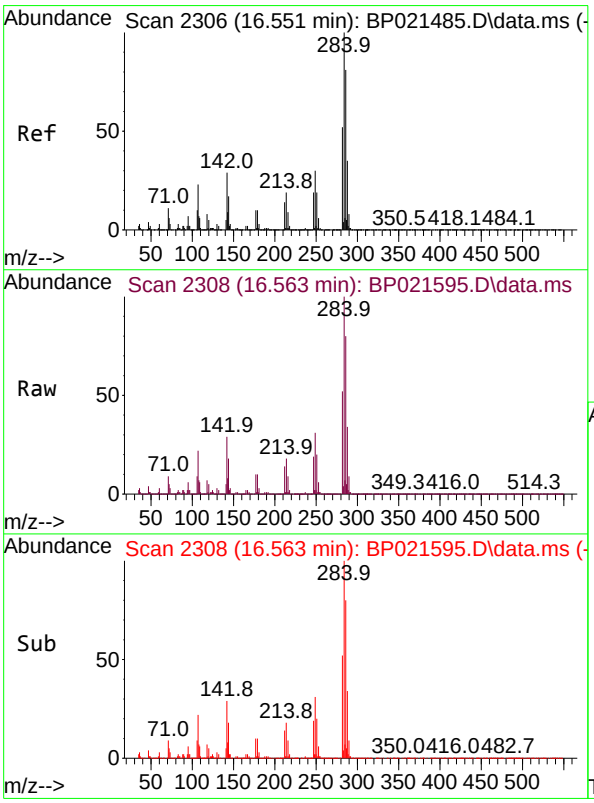
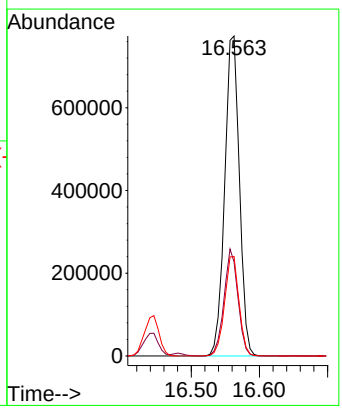
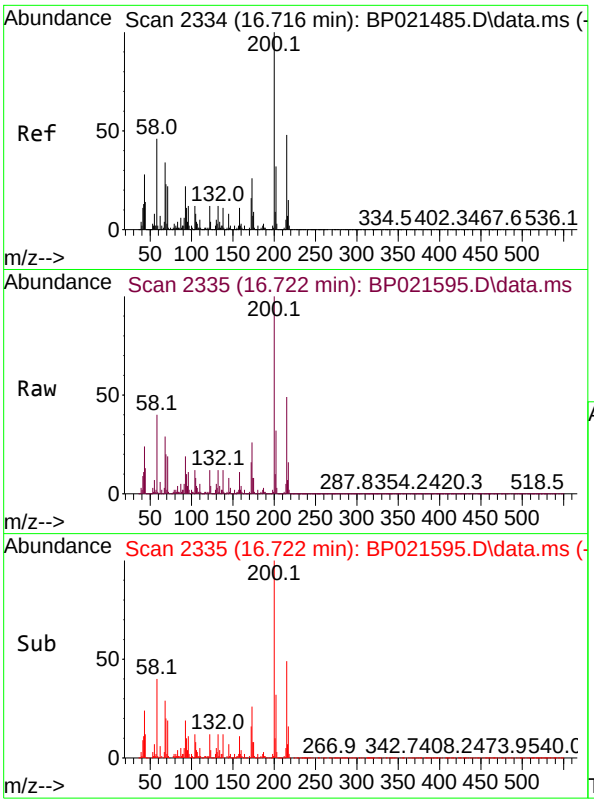


#68
Hexachlorobenzene
Concen: 41.768 ng
RT: 16.563 min Scan# 2308
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:284 Resp: 1158608

Ion	Ratio	Lower	Upper
284	100		
142	29.4	23.4	35.2
249	31.1	24.1	36.1

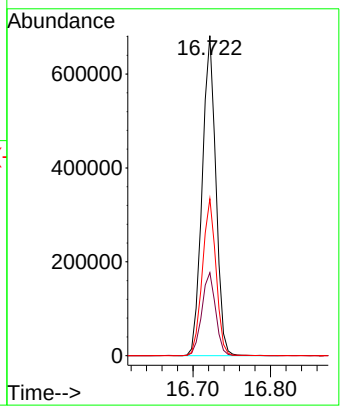




#69
Atrazine
Concen: 40.847 ng
RT: 16.722 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:200 Resp: 83353

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.2	46.2
215	49.1	28.4	68.4



Instrument :
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ClientSampleId :
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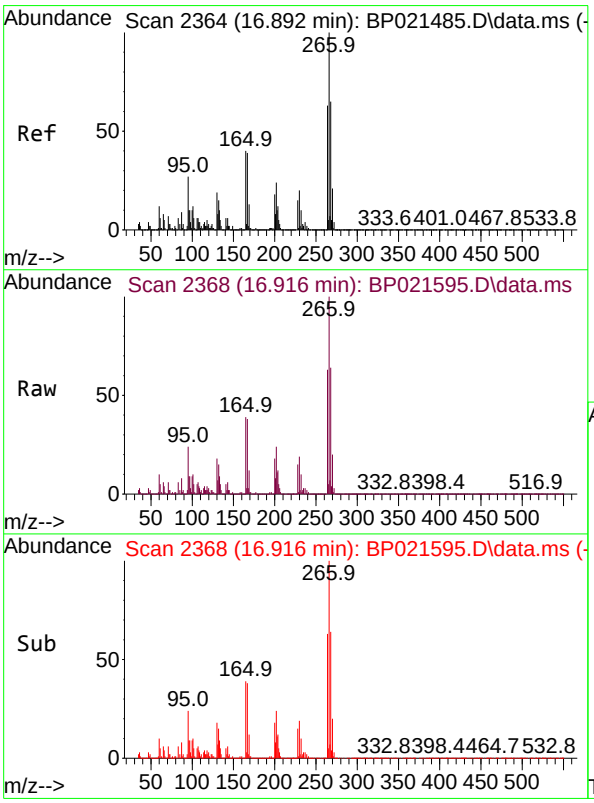
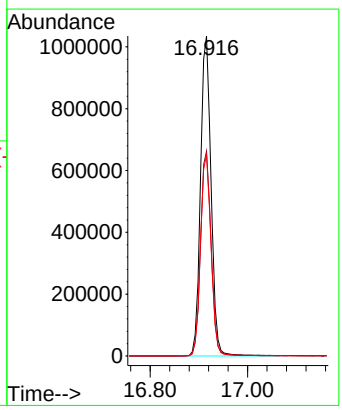
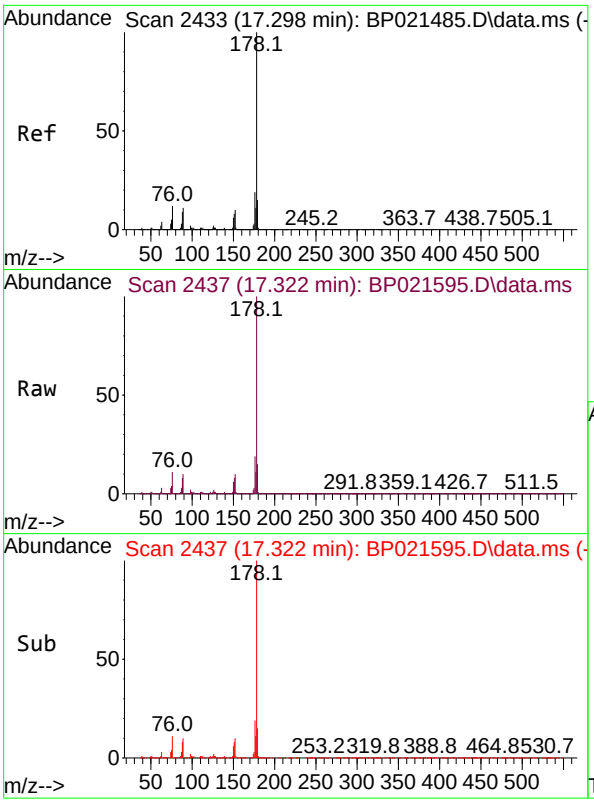


#70
Pentachlorophenol
Concen: 102.579 ng
RT: 16.916 min Scan# 2368
Delta R.T. 0.024 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:266 Resp: 1553061

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.8	77.6
264	62.9	50.5	75.7

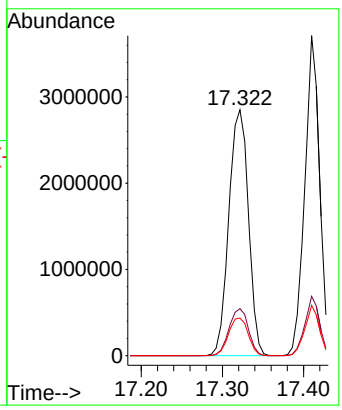




#71
Phenanthrene
Concen: 44.751 ng
RT: 17.322 min Scan# 24
Delta R.T. 0.023 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:178 Resp: 477320

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.3	12.4	18.6



Instrument :
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ClientSampleId :
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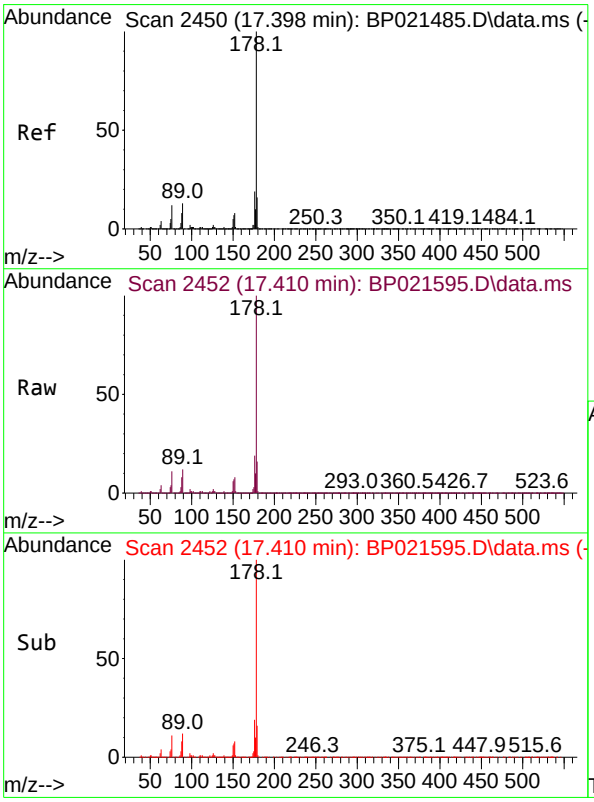
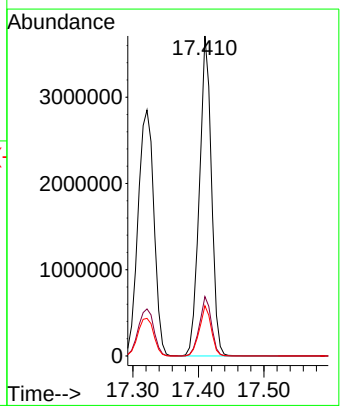
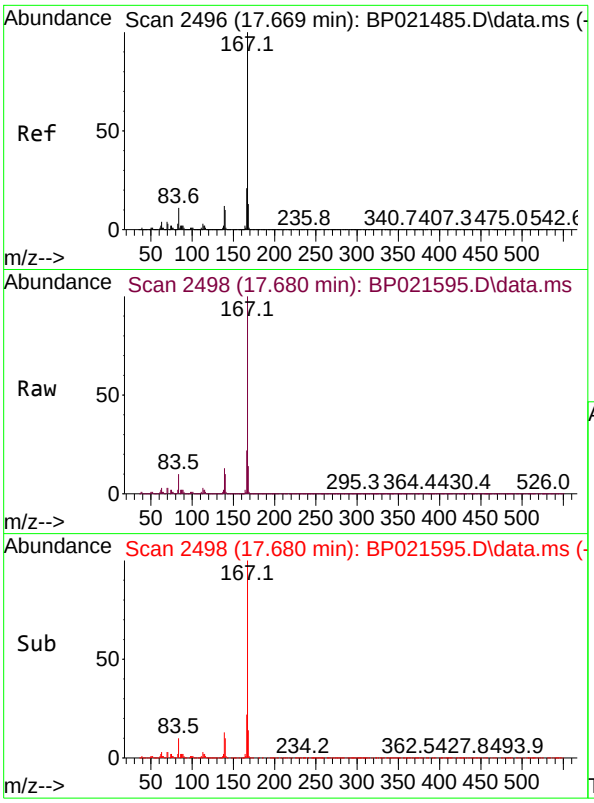


#72
Anthracene
Concen: 45.294 ng
RT: 17.410 min Scan# 2452
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:178 Resp: 4737961

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.7	12.5	18.7

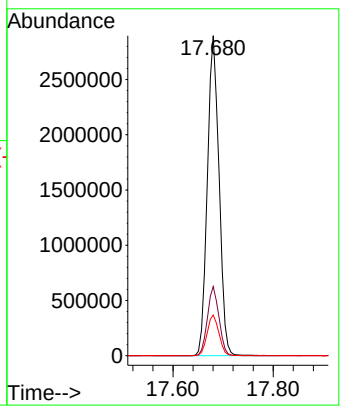




#73
Carbazole
Concen: 46.496 ng
RT: 17.680 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:167 Resp: 468731

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

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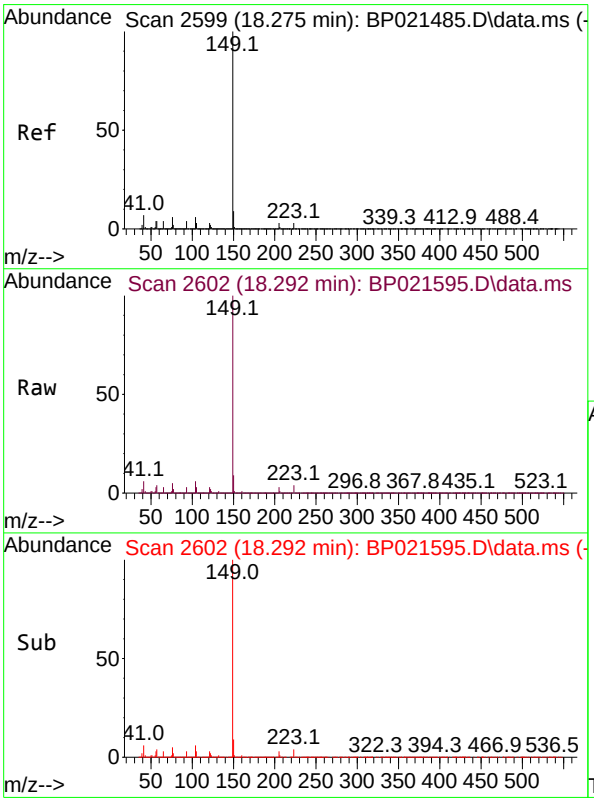
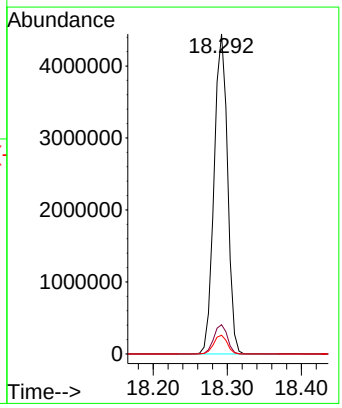
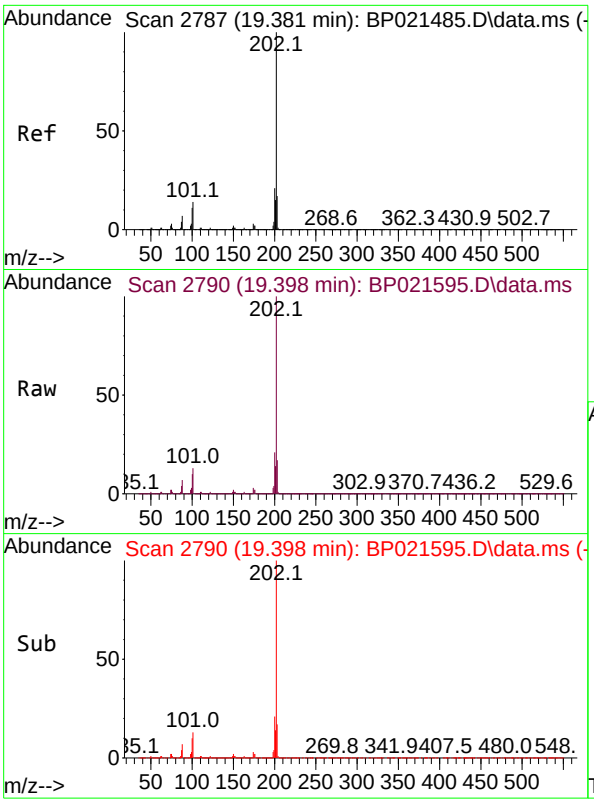


#74
Di-n-butylphthalate
Concen: 45.247 ng
RT: 18.292 min Scan# 2602
Delta R.T. 0.017 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:149 Resp: 5601905

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.8	4.9	7.3

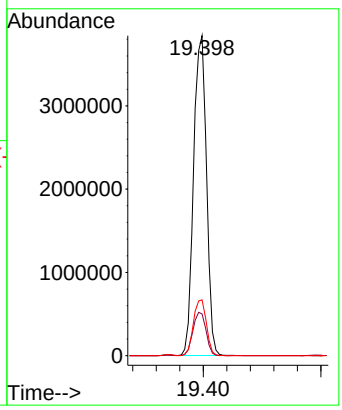




#75
Fluoranthene
Concen: 44.695 ng
RT: 19.398 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:202 Resp: 584934

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.0
203	17.5	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
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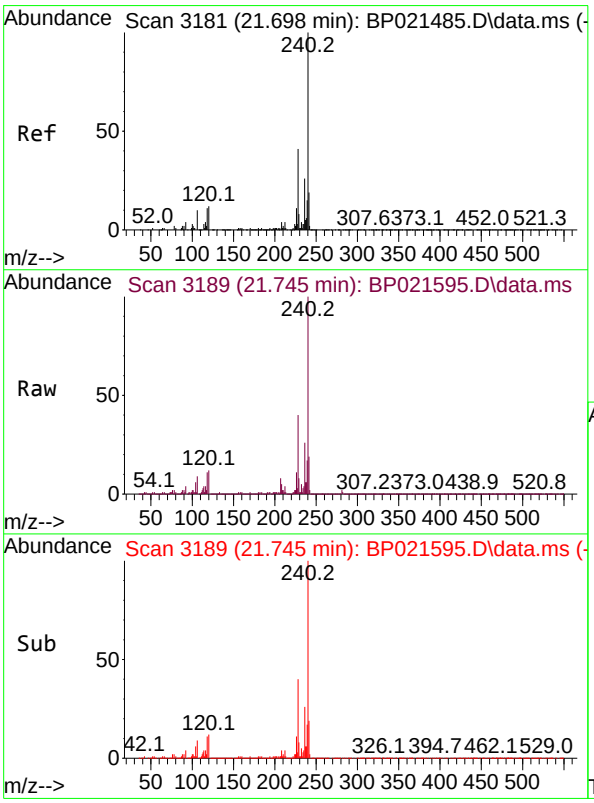
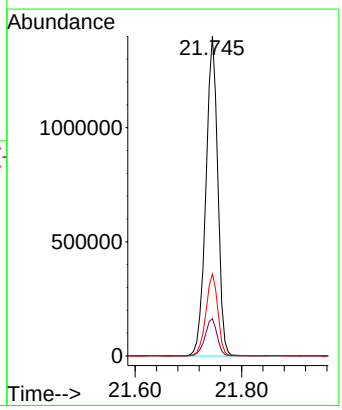
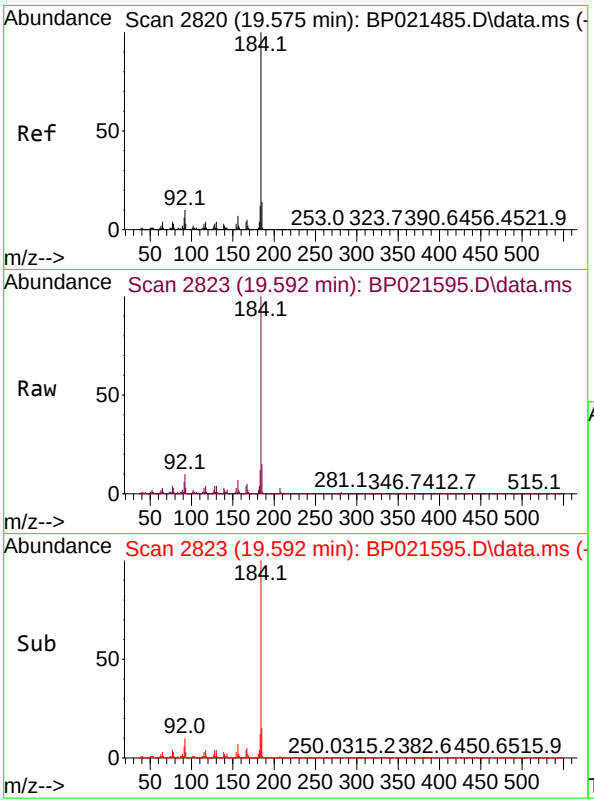


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.745 min Scan# 3189
Delta R.T. 0.047 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:240 Resp: 2163191

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.9	14.9
236	25.6	20.6	30.8

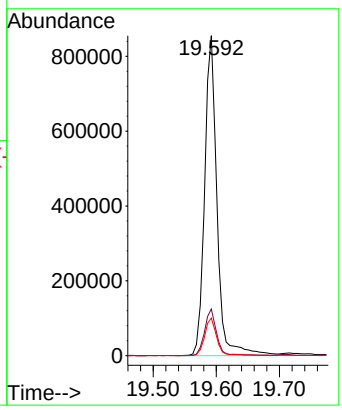




#77
Benzidine
Concen: 23.572 ng
RT: 19.592 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:184 Resp: 116368

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
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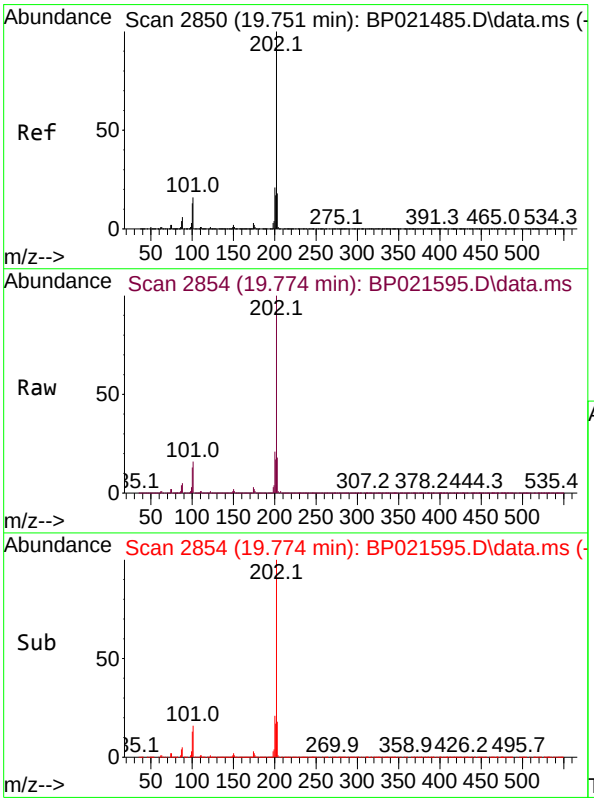
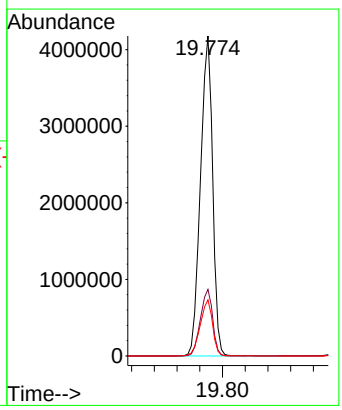
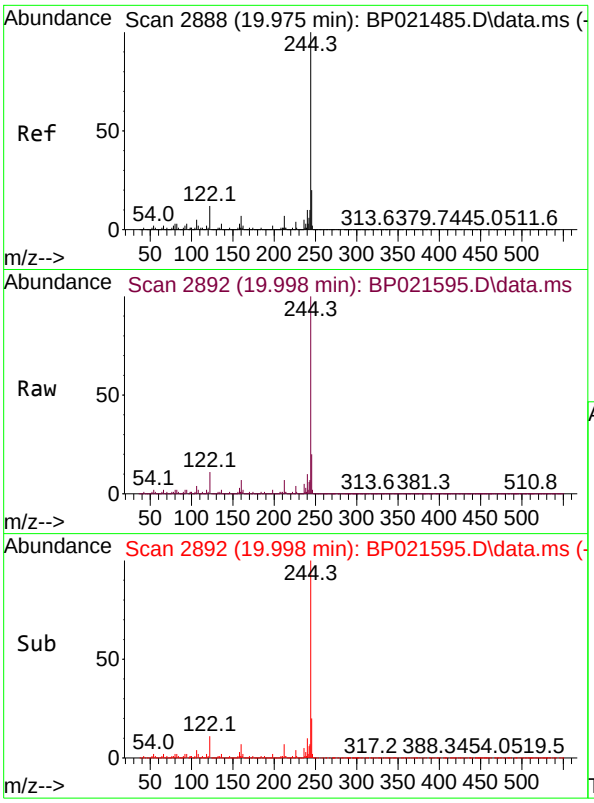


#78
Pyrene
Concen: 43.844 ng
RT: 19.774 min Scan# 2854
Delta R.T. 0.023 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:202 Resp: 6199077

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.5	14.1	21.1





#79
Terphenyl-d14
Concen: 79.858 ng
RT: 19.998 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:244 Resp: 889206

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.1	9.4	14.2

Instrument :
BNA_P
ClientSampleId :
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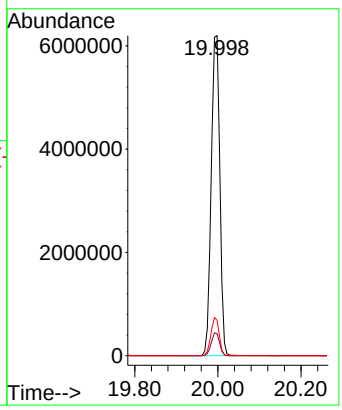
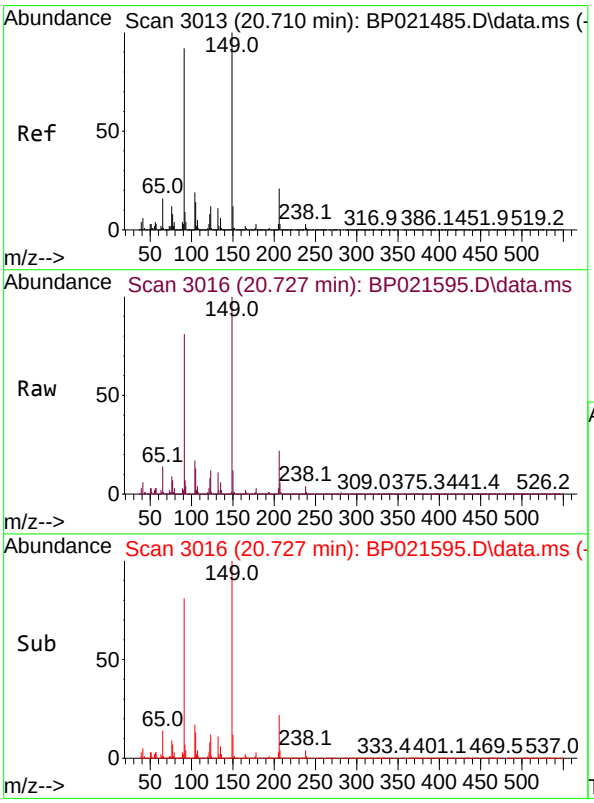
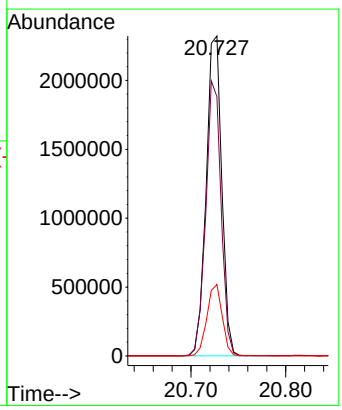


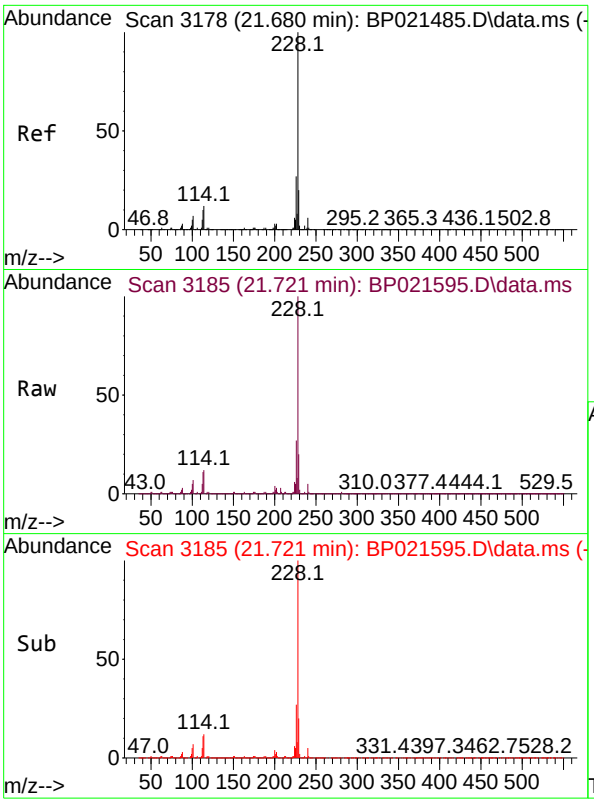


#80
Butylbenzylphthalate
Concen: 49.208 ng
RT: 20.727 min Scan# 3016
Delta R.T. 0.017 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:149 Resp: 2645879

Ion	Ratio	Lower	Upper
149	100		
91	81.0	73.3	109.9
206	22.4	17.1	25.7

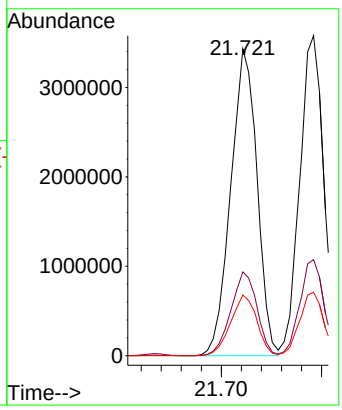




#81
Benzo(a)anthracene
Concen: 46.146 ng
RT: 21.721 min Scan# 3
Delta R.T. 0.041 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:228 Resp: 626645

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
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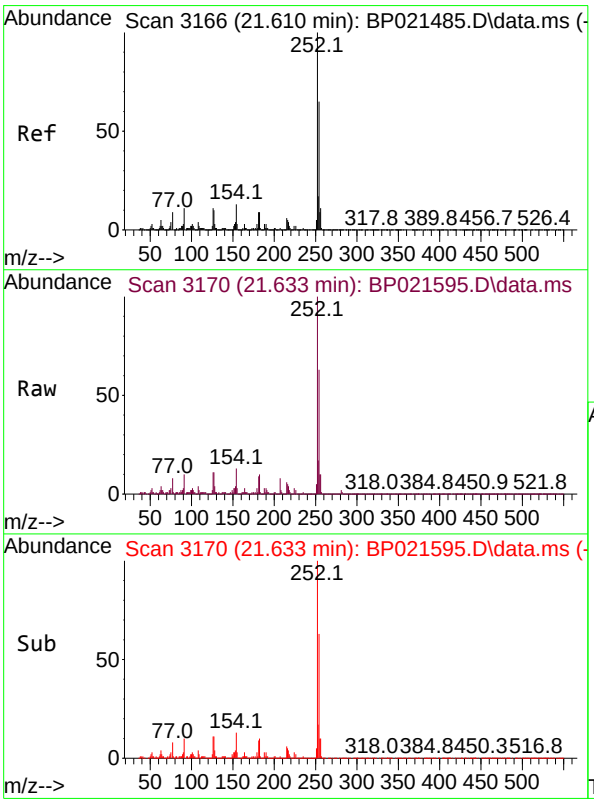
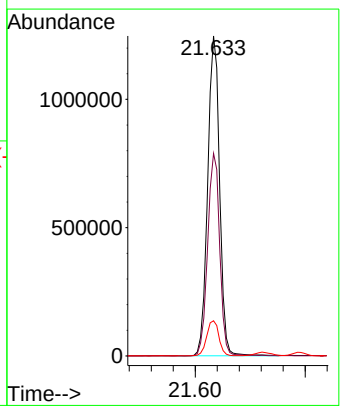
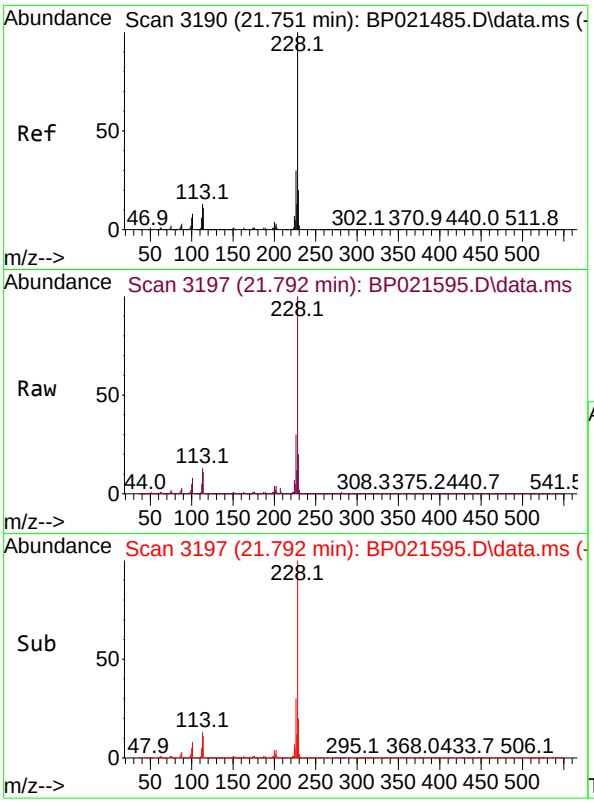


#82
3,3'-Dichlorobenzidine
Concen: 42.989 ng
RT: 21.633 min Scan# 3170
Delta R.T. 0.023 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:252 Resp: 1871748

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.7	77.5
126	11.0	8.7	13.1

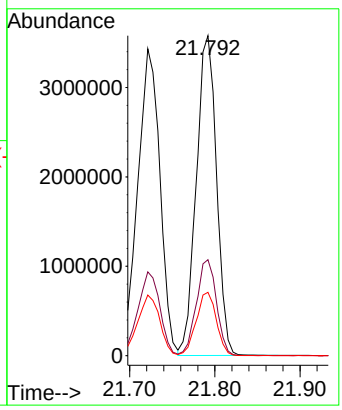




#83
Chrysene
Concen: 45.957 ng
RT: 21.792 min Scan# 3
Delta R.T. 0.041 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:228 Resp: 589224

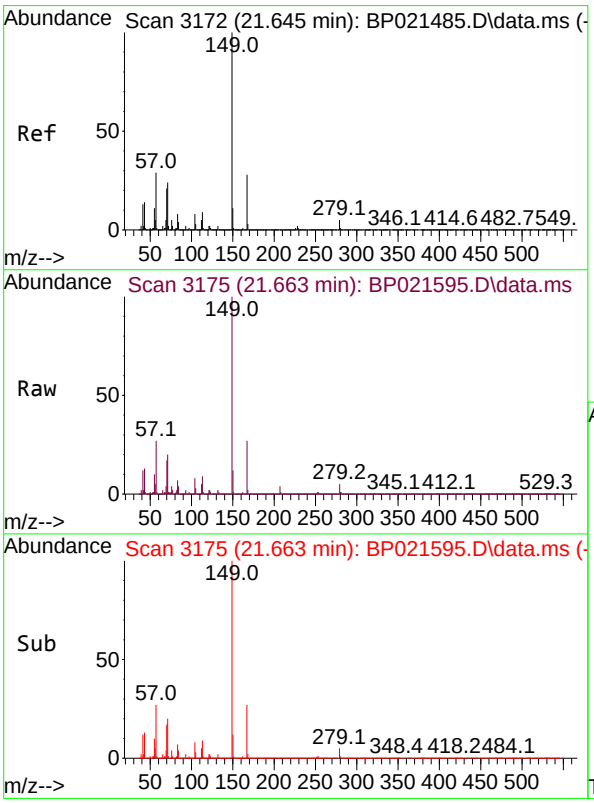
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
APPROVED

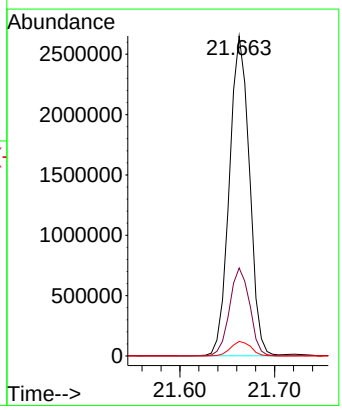
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

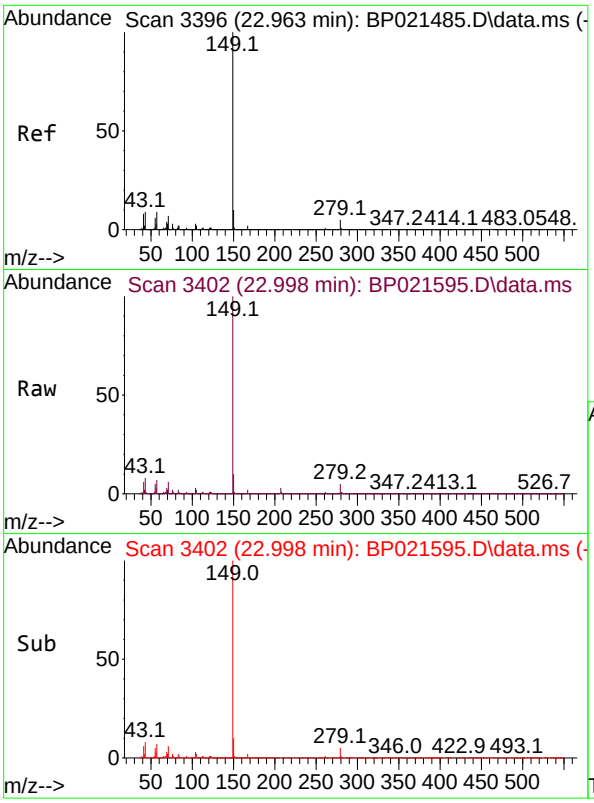


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.525 ng
RT: 21.663 min Scan# 3175
Delta R.T. 0.017 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:149 Resp: 3894673

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.3	33.5
279	4.5	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 49.126 ng
RT: 22.998 min Scan# 34
Delta R.T. 0.035 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

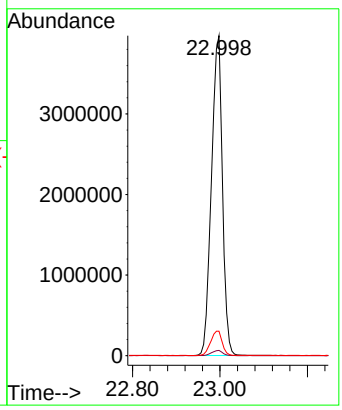
Tgt Ion:149 Resp: 694403

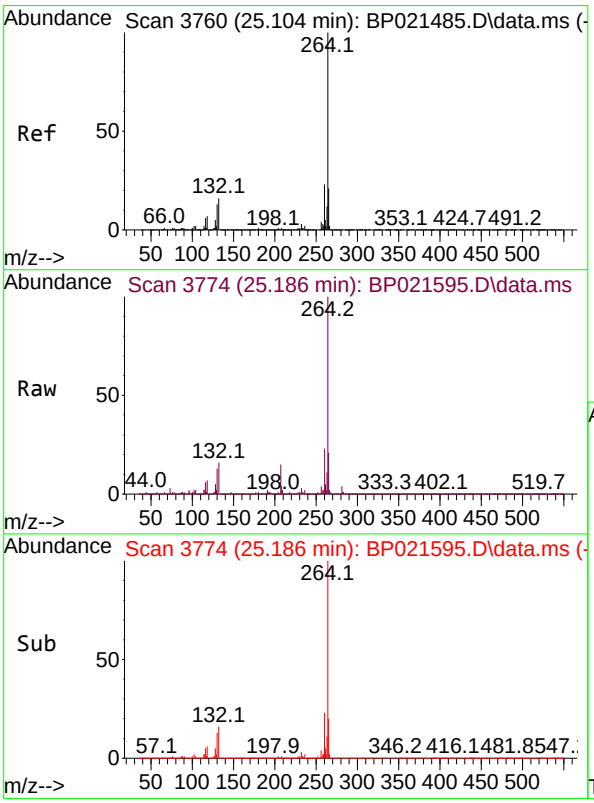
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

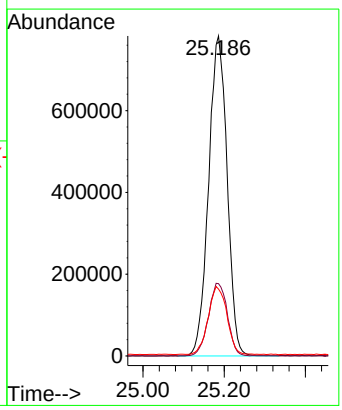


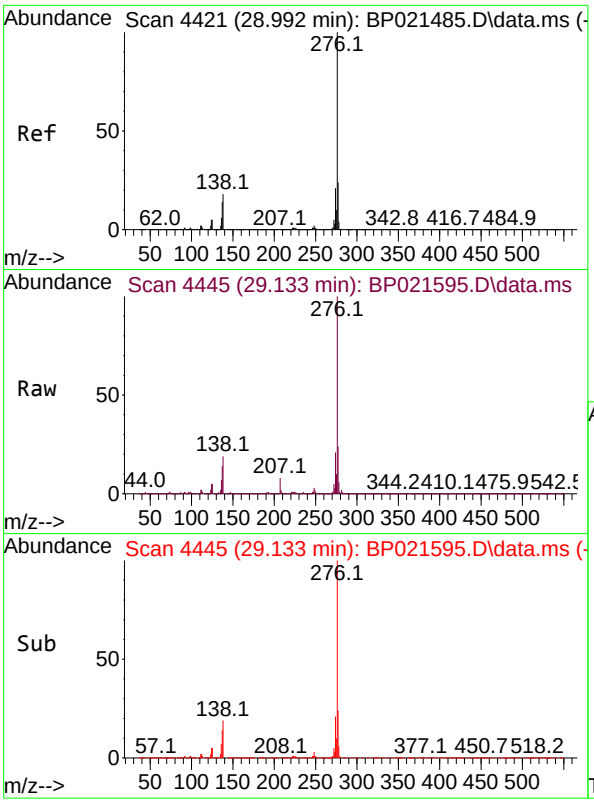


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 3774
Delta R.T. 0.082 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:264 Resp: 2473126

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	20.9	17.1	25.7

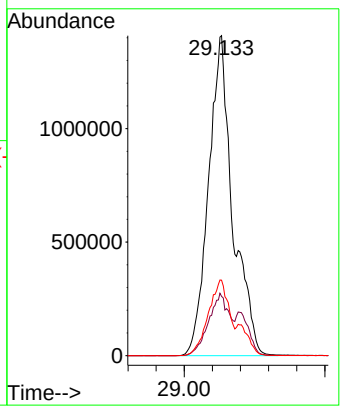




#87
Indeno(1,2,3-cd)pyrene
Concen: 52.571 ng m
RT: 29.133 min Scan# 44
Delta R.T. 0.141 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:276 Resp: 842777

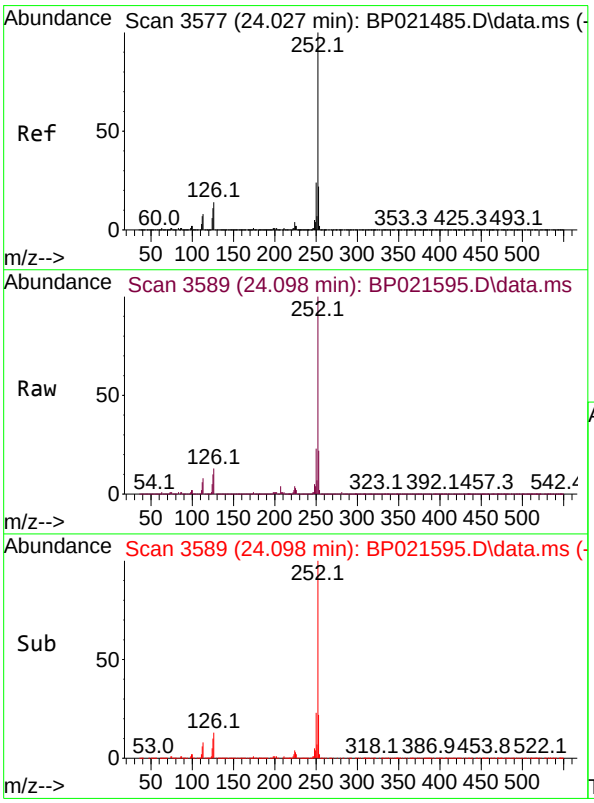
Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.8	19.2
277	20.2	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
APPROVED

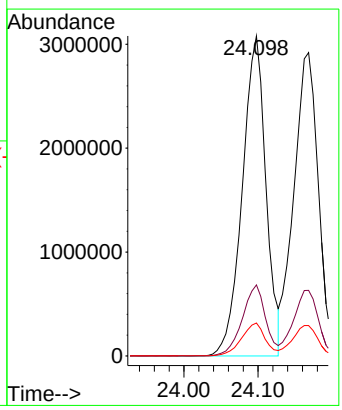
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

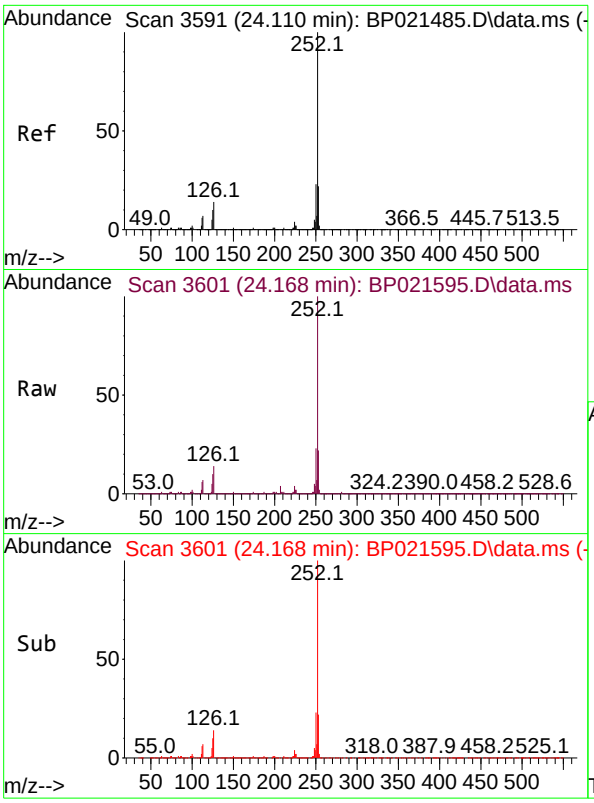


#88
Benzo(b)fluoranthene
Concen: 47.993 ng
RT: 24.098 min Scan# 3589
Delta R.T. 0.070 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:252 Resp: 6816748

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 48.218 ng
RT: 24.168 min Scan# 3
Delta R.T. 0.059 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

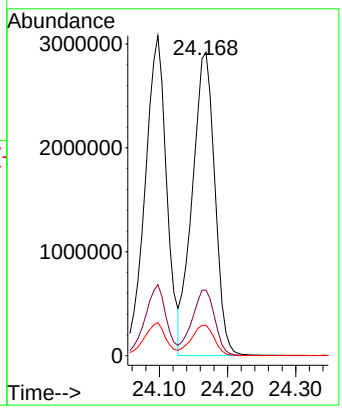
Tgt Ion:252 Resp: 668095

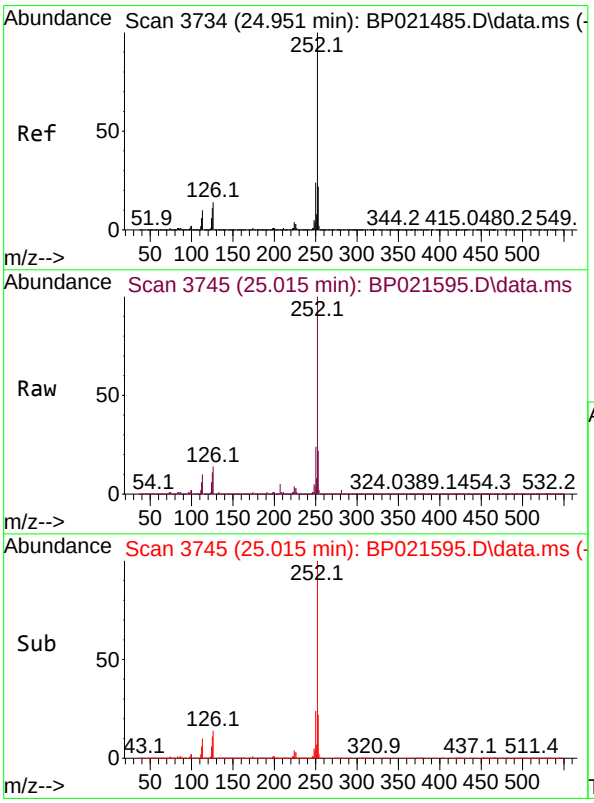
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.0	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

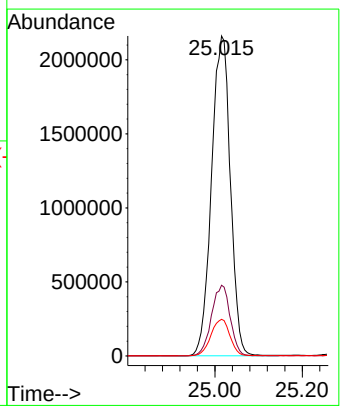


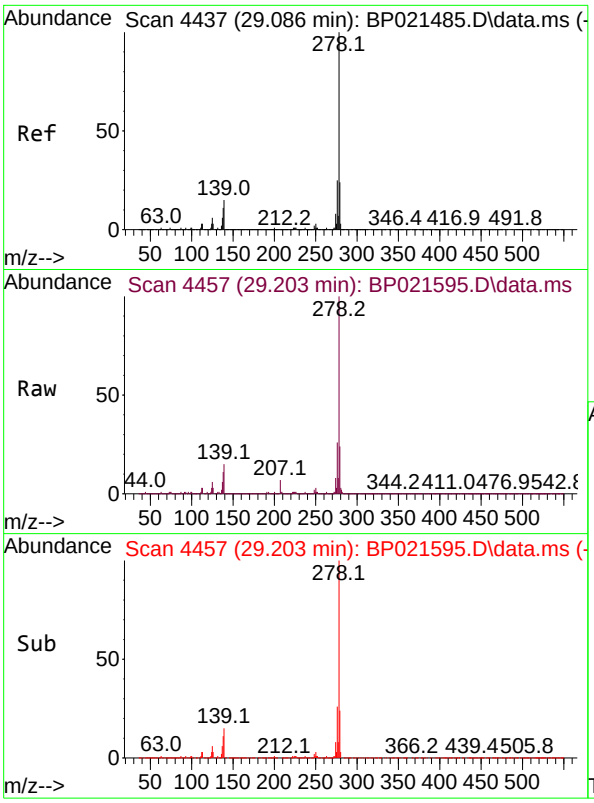


#90
Benzo(a)pyrene
Concen: 52.314 ng
RT: 25.015 min Scan# 3745
Delta R.T. 0.064 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:252 Resp: 6448176

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.4	8.7	13.1

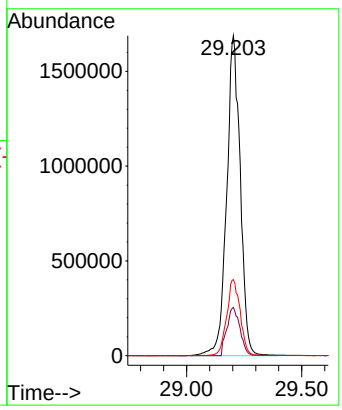




#91
Dibenzo(a,h)anthracene
Concen: 51.865 ng
RT: 29.203 min Scan# 4
Delta R.T. 0.117 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:278 Resp: 690844

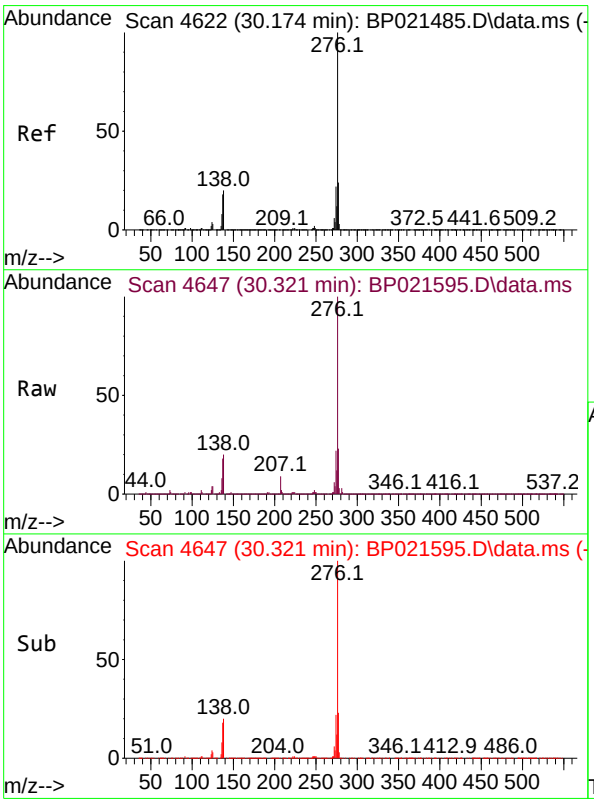
Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
PB162788BSD

Manual Integrations
APPROVED

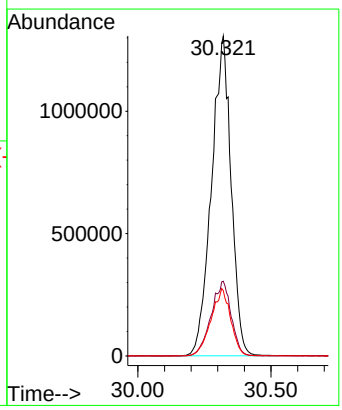
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 50.110 ng
RT: 30.321 min Scan# 4647
Delta R.T. 0.147 min
Lab File: BP021595.D
Acq: 21 Aug 2024 13:08

Tgt Ion:276 Resp: 6689956

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	20.4	16.0	24.0



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Manual Integration Report

Sequence:	BM081024	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM047141.D	4-Nitroaniline	Jagrut	8/12/2024 5:01:33 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC005	BM047141.D	Benzoic acid	Jagrut	8/12/2024 5:01:33 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC010	BM047142.D	4-Nitroaniline	Jagrut	8/12/2024 5:01:36 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC020	BM047143.D	4-Nitroaniline	Jagrut	8/12/2024 5:01:39 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICCC040	BM047144.D	Pyridine	Jagrut	8/12/2024 5:01:41 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC050	BM047145.D	Pyridine	Jagrut	8/12/2024 5:01:44 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC060	BM047146.D	Caprolactam	Jagrut	8/12/2024 5:01:46 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC060	BM047146.D	Pyridine	Jagrut	8/12/2024 5:01:46 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC080	BM047147.D	Caprolactam	Jagrut	8/12/2024 5:01:48 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC080	BM047147.D	Pyridine	Jagrut	8/12/2024 5:01:48 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICV040	BM047148.D	Pyridine	Jagrut	8/12/2024 5:01:51 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm082024	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP021482.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:54 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC010	BP021483.D	2,2"-oxybis(1-Chloropropane)	yogesh	8/14/2024 5:48:55 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC020	BP021484.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:57 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Pyridine	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Pyridine	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Pyridine	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Caprolactam	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Pyridine	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICV040	BP021489.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP021489.D	Pyridine	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP082124	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP021592.D	Acenaphthene	yogesh	8/22/2024 2:06:28 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
SSTDCCC040	BP021592.D	Benzaldehyde	yogesh	8/22/2024 2:06:28 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
SSTDCCC040	BP021592.D	Indeno(1,2,3-cd)pyrene	yogesh	8/22/2024 2:06:28 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
PB162788BS	BP021594.D	Acenaphthene	yogesh	8/22/2024 2:06:30 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
PB162788BS	BP021594.D	Benzaldehyde	yogesh	8/22/2024 2:06:30 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
PB162788BS	BP021594.D	Indeno(1,2,3-cd)pyrene	yogesh	8/22/2024 2:06:30 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
PB162788BSD	BP021595.D	Acenaphthene	yogesh	8/22/2024 2:06:31 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
PB162788BSD	BP021595.D	Benzaldehyde	yogesh	8/22/2024 2:06:31 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
PB162788BSD	BP021595.D	Caprolactam	yogesh	8/22/2024 2:06:31 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
PB162788BSD	BP021595.D	Indeno(1,2,3-cd)pyrene	yogesh	8/22/2024 2:06:31 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
SSTDCCC040	BP021605.D	Benzaldehyde	yogesh	8/22/2024 2:06:41 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software
SSTDCCC040	BP021605.D	Indeno(1,2,3-cd)pyrene	yogesh	8/22/2024 2:06:41 AM	mohammad	8/22/2024 7:52:20 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP082124	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM081024

Review By	Jagrut	Review On	8/12/2024 5:03:24 PM		
Supervise By	mohammad	Supervise On	8/13/2024 5:17:30 AM		
SubDirectory	BM081024	HP Acquire Method	BNA_M	HP Processing Method	bm081024

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	BM047139.D	10 Aug 2024 12:26	RC/JU	Ok
2	SSTDICC2.5	BM047140.D	10 Aug 2024 13:12	RC/JU	Ok
3	SSTDICC005	BM047141.D	10 Aug 2024 13:52	RC/JU	Ok,M
4	SSTDICC010	BM047142.D	10 Aug 2024 14:31	RC/JU	Ok,M
5	SSTDICC020	BM047143.D	10 Aug 2024 15:11	RC/JU	Ok,M
6	SSTDICCC040	BM047144.D	10 Aug 2024 15:51	RC/JU	Ok,M
7	SSTDICC050	BM047145.D	10 Aug 2024 16:31	RC/JU	Ok,M
8	SSTDICC060	BM047146.D	10 Aug 2024 17:11	RC/JU	Ok,M
9	SSTDICC080	BM047147.D	10 Aug 2024 17:51	RC/JU	Ok,M
10	SSTDICV040	BM047148.D	10 Aug 2024 19:10	RC/JU	Ok,M
11	PB162577TB	BM047149.D	10 Aug 2024 19:50	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082024

Review By	yogesh	Review On	8/21/2024 1:29:58 AM				
Supervise By	mohammad	Supervise On	8/22/2024 7:51:34 AM				
SubDirectory	BM082024	HP Acquire Method	BNA_M			HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047262.D	20 Aug 2024 08:32	RC/JU	Ok
2	SSTDCCC040	BM047263.D	20 Aug 2024 09:11	RC/JU	Ok
3	PB162798BL	BM047264.D	20 Aug 2024 09:51	RC/JU	Ok
4	PB162798BS	BM047265.D	20 Aug 2024 10:30	RC/JU	Ok,M
5	P3643-01	BM047266.D	20 Aug 2024 11:28	RC/JU	Ok
6	P3643-02MS	BM047267.D	20 Aug 2024 12:07	RC/JU	Ok,M
7	P3643-03MSD	BM047268.D	20 Aug 2024 12:47	RC/JU	Ok
8	P3643-04	BM047269.D	20 Aug 2024 13:27	RC/JU	Ok
9	P3643-08	BM047270.D	20 Aug 2024 14:06	RC/JU	Ok
10	P3643-09	BM047271.D	20 Aug 2024 14:46	RC/JU	Ok
11	DFTPP	BM047272.D	20 Aug 2024 15:35	RC/JU	Ok
12	SSTDCCC040	BM047273.D	20 Aug 2024 16:55	RC/JU	Ok
13	PB162806TB	BM047274.D	20 Aug 2024 17:36	RC/JU	Ok
14	PB162861BL	BM047275.D	20 Aug 2024 18:16	RC/JU	Ok
15	PB162861BS	BM047276.D	20 Aug 2024 18:56	RC/JU	Ok
16	P3637-02	BM047277.D	20 Aug 2024 19:35	RC/JU	Ok
17	P3637-02MS	BM047278.D	20 Aug 2024 20:15	RC/JU	Ok
18	P3637-02MSD	BM047279.D	20 Aug 2024 20:55	RC/JU	Ok
19	P3645-01	BM047280.D	20 Aug 2024 21:34	RC/JU	Ok
20	P3645-02	BM047281.D	20 Aug 2024 22:14	RC/JU	Ok
21	P3652-01	BM047282.D	20 Aug 2024 22:54	RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082024

Review By	yogesh	Review On	8/21/2024 1:29:58 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:51:34 AM		
SubDirectory	BM082024	HP Acquire Method	BNA_M	HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3652-01MS	BM047283.D	20 Aug 2024 23:34	RC/JU	Not Ok
23	P3652-01MSD	BM047284.D	21 Aug 2024 00:13	RC/JU	Not Ok
24	P3643-13	BM047285.D	21 Aug 2024 00:53	RC/JU	Ok
25	P3643-05	BM047286.D	21 Aug 2024 01:33	RC/JU	Ok
26	P3643-11	BM047287.D	21 Aug 2024 02:12	RC/JU	Ok,M
27	P3580-01	BM047288.D	21 Aug 2024 02:52	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021480.D	13 Aug 2024 11:49	RC/JU	Ok
2	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32	RC/JU	Ok
3	SSTDICC005	BP021482.D	13 Aug 2024 13:15	RC/JU	Ok,M
4	SSTDICC010	BP021483.D	13 Aug 2024 13:59	RC/JU	Ok,M
5	SSTDICC020	BP021484.D	13 Aug 2024 14:42	RC/JU	Ok,M
6	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	RC/JU	Ok,M
7	SSTDICC050	BP021486.D	13 Aug 2024 16:09	RC/JU	Ok,M
8	SSTDICC060	BP021487.D	13 Aug 2024 16:53	RC/JU	Ok,M
9	SSTDICC080	BP021488.D	13 Aug 2024 17:36	RC/JU	Ok,M
10	SSTDICV040	BP021489.D	13 Aug 2024 19:03	RC/JU	Ok,M
11	PB162612TB	BP021490.D	13 Aug 2024 19:46	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082124

Review By	yogesh	Review On	8/22/2024 2:06:51 AM				
Supervise By	mohammad	Supervise On	8/22/2024 7:52:20 AM				
SubDirectory	BP082124	HP Acquire Method	BNA_P		HP Processing Method	BP081324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021591.D	21 Aug 2024 09:28	RC/JU	Ok
2	SSTDCCC040	BP021592.D	21 Aug 2024 10:10	RC/JU	Ok,M
3	PB162788BL	BP021593.D	21 Aug 2024 10:52	RC/JU	Ok
4	PB162788BS	BP021594.D	21 Aug 2024 12:19	RC/JU	Ok,M
5	PB162788BSD	BP021595.D	21 Aug 2024 13:08	RC/JU	Ok,M
6	PB162717BS	BP021596.D	21 Aug 2024 13:52	RC/JU	Ok,M
7	PB162631BS	BP021597.D	21 Aug 2024 14:35	RC/JU	Ok,M
8	PB162878BL	BP021598.D	21 Aug 2024 15:17	RC/JU	Ok
9	PB162878BS	BP021599.D	21 Aug 2024 15:59	RC/JU	Ok,M
10	PB162878BSD	BP021600.D	21 Aug 2024 16:42	RC/JU	Ok,M
11	P3666-03	BP021601.D	21 Aug 2024 17:25	RC/JU	Ok
12	P3617-02	BP021602.D	21 Aug 2024 18:08	RC/JU	Ok
13	P3617-03	BP021603.D	21 Aug 2024 18:51	RC/JU	Ok
14	P3617-04	BP021604.D	21 Aug 2024 19:35	RC/JU	Ok,M
15	SSTDCCC040	BP021605.D	21 Aug 2024 20:18	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM081024

Review By	Jagrut	Review On	8/12/2024 5:03:24 PM		
Supervise By	mohammad	Supervise On	8/13/2024 5:17:30 AM		
SubDirectory	BM081024	HP Acquire Method	BNA_M	HP Processing Method	bm081024

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	BM047139.D	10 Aug 2024 12:26		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM047140.D	10 Aug 2024 13:12		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM047141.D	10 Aug 2024 13:52	Compound #54 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM047142.D	10 Aug 2024 14:31	Com#77 failing in calibration for both 8270DOD and 8270E	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM047143.D	10 Aug 2024 15:11	Compound #9 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM047144.D	10 Aug 2024 15:51	The Calibration is Good For 8270 DOD and also good for 625.1 Method except com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM047145.D	10 Aug 2024 16:31		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM047146.D	10 Aug 2024 17:11		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM047147.D	10 Aug 2024 17:51	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM081024	BM047148.D	10 Aug 2024 19:10	Com#77 failing in ICV for Both 8270 DOD and 8270 E and also in 625.1.	RC/JU	Ok,M
11	PB162577TB	PB162577TB	BM047149.D	10 Aug 2024 19:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082024

Review By	yogesh	Review On	8/21/2024 1:29:58 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:51:34 AM		
SubDirectory	BM082024	HP Acquire Method	BNA_M	HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM047262.D	20 Aug 2024 08:32		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047263.D	20 Aug 2024 09:11		RC/JU	Ok
3	PB162798BL	PB162798BL	BM047264.D	20 Aug 2024 09:51		RC/JU	Ok
4	PB162798BS	PB162798BS	BM047265.D	20 Aug 2024 10:30		RC/JU	Ok,M
5	P3643-01	932-K1-SD-0-0.5-08152	BM047266.D	20 Aug 2024 11:28		RC/JU	Ok
6	P3643-02MS	932-K1-SD-0-0.5-08152	BM047267.D	20 Aug 2024 12:07		RC/JU	Ok,M
7	P3643-03MSD	932-K1-SD-0-0.5-08152	BM047268.D	20 Aug 2024 12:47		RC/JU	Ok
8	P3643-04	932-K1-SD-0.5-1-08152	BM047269.D	20 Aug 2024 13:27		RC/JU	Ok
9	P3643-08	918-J-SD-0.5-1-081524	BM047270.D	20 Aug 2024 14:06		RC/JU	Ok
10	P3643-09	924-K1-SD-0-0.5-08152	BM047271.D	20 Aug 2024 14:46		RC/JU	Ok
11	DFTPP	DFTPP	BM047272.D	20 Aug 2024 15:35		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040	BM047273.D	20 Aug 2024 16:55		RC/JU	Ok
13	PB162806TB	PB162806TB	BM047274.D	20 Aug 2024 17:36		RC/JU	Ok
14	PB162861BL	PB162861BL	BM047275.D	20 Aug 2024 18:16		RC/JU	Ok
15	PB162861BS	PB162861BS	BM047276.D	20 Aug 2024 18:56		RC/JU	Ok
16	P3637-02	ETGI - 370	BM047277.D	20 Aug 2024 19:35		RC/JU	Ok
17	P3637-02MS	ETGI - 370MS	BM047278.D	20 Aug 2024 20:15		RC/JU	Ok
18	P3637-02MSD	ETGI - 370MSD	BM047279.D	20 Aug 2024 20:55		RC/JU	Ok

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082024

Review By	yogesh	Review On	8/21/2024 1:29:58 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:51:34 AM		
SubDirectory	BM082024	HP Acquire Method	BNA_M	HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3645-01	914-J-WS-081524	BM047280.D	20 Aug 2024 21:34		RC/JU	Ok
20	P3645-02	916-J-WS-081524	BM047281.D	20 Aug 2024 22:14		RC/JU	Ok
21	P3652-01	LIVONIA-SOIL	BM047282.D	20 Aug 2024 22:54		RC/JU	Ok,M
22	P3652-01MS	LIVONIA-SOILMS	BM047283.D	20 Aug 2024 23:34	CCC fail low side for compound #19,35,56,62	RC/JU	Not Ok
23	P3652-01MSD	LIVONIA-SOILMSD	BM047284.D	21 Aug 2024 00:13	CCC fail low side for compound #19,35,56,62	RC/JU	Not Ok
24	P3643-13	921-J-SD-0-0.5-081524	BM047285.D	21 Aug 2024 00:53	FD	RC/JU	Ok
25	P3643-05	917-J-SD-0-0.5-081524	BM047286.D	21 Aug 2024 01:33		RC/JU	Ok
26	P3643-11	921-J-SD-0-0.5-081524	BM047287.D	21 Aug 2024 02:12		RC/JU	Ok,M
27	P3580-01	926-K1-SD-0-0.5-08122	BM047288.D	21 Aug 2024 02:52		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021480.D	13 Aug 2024 11:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP021482.D	13 Aug 2024 13:15	Compound #32,54,56,65,70,77,85 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP021483.D	13 Aug 2024 13:59		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP021484.D	13 Aug 2024 14:42	Compound #48,51,53,56,57,62,80,85 Kept on LR and Compound #26,32,54,65,77 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	The Calibration is Good For 8270 DOD except com#32,77 and good for 8270E	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP021486.D	13 Aug 2024 16:09		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP021487.D	13 Aug 2024 16:53		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP021488.D	13 Aug 2024 17:36	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBP081324	BP021489.D	13 Aug 2024 19:03	Com#32 and 77 failed in ICV for 8270 DOD Criteria	RC/JU	Ok,M
11	PB162612TB	PB162612TB	BP021490.D	13 Aug 2024 19:46	Already analyzed with ok status	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082124

Review By	yogesh	Review On	8/22/2024 2:06:51 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:52:20 AM		
SubDirectory	BP082124	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021591.D	21 Aug 2024 09:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP021592.D	21 Aug 2024 10:10		RC/JU	Ok,M
3	PB162788BL	PB162788BL	BP021593.D	21 Aug 2024 10:52		RC/JU	Ok
4	PB162788BS	PB162788BS	BP021594.D	21 Aug 2024 12:19		RC/JU	Ok,M
5	PB162788BSD	PB162788BSD	BP021595.D	21 Aug 2024 13:08		RC/JU	Ok,M
6	PB162717BS	PB162717BS	BP021596.D	21 Aug 2024 13:52		RC/JU	Ok,M
7	PB162631BS	PB162631BS	BP021597.D	21 Aug 2024 14:35		RC/JU	Ok,M
8	PB162878BL	PB162878BL	BP021598.D	21 Aug 2024 15:17		RC/JU	Ok
9	PB162878BS	PB162878BS	BP021599.D	21 Aug 2024 15:59		RC/JU	Ok,M
10	PB162878BSD	PB162878BSD	BP021600.D	21 Aug 2024 16:42		RC/JU	Ok,M
11	P3666-03	SP-303-20240816	BP021601.D	21 Aug 2024 17:25		RC/JU	Ok
12	P3617-02	Field Blank	BP021602.D	21 Aug 2024 18:08		RC/JU	Ok
13	P3617-03	VCPS-B2-081424-6W	BP021603.D	21 Aug 2024 18:51		RC/JU	Ok
14	P3617-04	VCPS-B2-081424-6W-D	BP021604.D	21 Aug 2024 19:35		RC/JU	Ok,M
15	SSTDCCC040	SSTDCCC040EC	BP021605.D	21 Aug 2024 20:18		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162788

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/16/2024
Matrix :	Water			**Extraction Start Time :**	09:33
Weigh By:	N/A	**Extraction By:**	RP	**Extraction End Date :**	08/16/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	14:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

Extraction Method: ☑ Seperatory Funne ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6604
Surrogate	1.0ML	100/150 PPM	SP6524
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3787
Baked Na2SO4	N/A	EP2521
10N NaoH	N/A	EP2523
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with1:1 H2SO4 &>11with 10 N NaOH. P3645-01,02 Added in batch at10:33.

KD Bath ID:	Water bath -01	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/16/24	RP(Ext Tech)	RC/SVOC
14:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162788

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 08/16/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162788BL	SBLK788	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-09
PB162788BS	SLCS788	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			10
PB162788BSD	SLCSD788	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			11
P3617-02	FIELD BLANK	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1	F		12
P3617-03	VCPS-B2-081424-6W	SVOC-TCL BNA -20	990	6	RUPESH	rajesh	1	F		13
P3617-04	VCPS-B2-081424-6W-DUP	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1	F		14
P3645-01	914-J-WS-081524	SVOCMS Group6	970	6	RUPESH	rajesh	1			15
P3645-02	916-J-WS-081524	SVOCMS Group6	970	6	RUPESH	rajesh	1			16

* **Extracts relinquished on the same date as received.**

8/16/24

182742 BW

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p3646 **WorkList ID :** 182742 **Department :** Extraction **Date :** 08-16-2024 10:33:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3645-01	914-J-WS-081524	Water	SVOCMS Group3	Cool 4 deg C	JACO05	G21	08/15/2024	8270-Modified
P3645-01	914-J-WS-081524	Water	SVOCMS Group6	Cool 4 deg C	JACO05	G21	08/15/2024	8270E
P3645-02	916-J-WS-081524	Water	SVOCMS Group3	Cool 4 deg C	JACO05	G21	08/15/2024	8270-Modified
P3645-02	916-J-WS-081524	Water	SVOCMS Group6	Cool 4 deg C	JACO05	G21	08/15/2024	8270E
P3646-01	914-J-WPO-0.25-081524	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	G21	08/15/2024	8270-Modified
P3646-02	916-J-WPO-0.25-081524	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	G21	08/15/2024	8270-Modified

Date/Time 08/16/24 10:33
Raw Sample Received by: RD (Ice Chest)
Raw Sample Relinquished by: JM (SM)

Date/Time 08/16/24 10:50
Raw Sample Received by: JM (SM)
Raw Sample Relinquished by: RD (Ice Chest)

10/27/24 9:33

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3617S **WorkList ID :** 182732 **Department :** Extraction **Date :** 08-16-2024 08:13:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3617-02	Field Blank	Water	SVOC-TCL BNA -20	Cool 4 deg C	ENTE01	G11	08/14/2024	8270E
P3617-03	VCPS-B2-081424-6W	Water	SVOC-TCL BNA -20	Cool 4 deg C	ENTE01	G11	08/14/2024	8270E
P3617-04	VCPS-B2-081424-6W-DUP	Water	SVOC-TCL BNA -20	Cool 4 deg C	ENTE01	G11	08/14/2024	8270E

Date/Time 08/16/24 9:25

Raw Sample Received by: RS (Ent. Lab)

Raw Sample Relinquished by:

Date/Time 08/16/24 9:45

Raw Sample Received by:

Raw Sample Relinquished by: RS (Ent Lab)

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Prep Standard - Chemical Standard Summary

Order ID : P3645

Test : SVOCMS Group6

Prepbatch ID : PB162788,

Sequence ID/Qc Batch ID: BM082024,BP082124,

Standard ID :
EP2521,EP2523,EP2524,SP6524,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,SP6594,SP6595,SP6604,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3744,E3746,E3768,E3780,E3786,E3787,M5037,S10102,S10103,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11092,S11093,S11096,S11097,S11102,S11103,S11138,S11141,S11148,S11434,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,S12041,S12076,S12077,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12449,S12450,S12451,S12452,S12453,W3112,

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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	EP2521	08/10/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/10/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2523	08/14/2024	02/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/14/2024

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
314	1.1 H2SO4 SOLN	EP2524	08/14/2024	12/15/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6524	05/31/2024	11/29/2024	Jagrut Upadhyay	None	None	Yogesh Patel 06/13/2024

FROM 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	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

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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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6587	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12112 + 1.00000ml of S11084 + 1.00000ml of S11093 + 1.00000ml of S11097 + 1.00000ml of S11103 + 1.00000ml of S12077 + 3.83300ml of E3786 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6588	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.20000ml of E3786 + 0.80000ml of SP6587 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6589	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.40000ml of E3786 + 0.60000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6590	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6587 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6591	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.60000ml of E3786 + 0.40000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6592	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.80000ml of E3786 + 0.20000ml of SP6587 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6593	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.90000ml of E3786 + 0.10000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6594	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.95000ml of E3786 + 0.05000ml of SP6587 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6595	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6594 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6604	08/12/2024	10/26/2024	Rahul Chavli	None	None	Yogesh Patel 08/21/2024

FROM 0.20000ml of S12126 + 0.40000ml of S10398 + 0.40000ml of S10583 + 0.40000ml of S11012 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.50000ml of S12105 + 0.50000ml of S12453 + 0.70000ml of S12097 + 0.80000ml of S11566 + 0.80000ml of S12118 + 1.20000ml of S11555 + 1.20000ml of S11561 + 1.20000ml of S11767 + 1.20000ml of S11769 + 1.20000ml of S12099 + 1.20000ml of S12101 + 1.20000ml of S12104 + 1.20000ml of S12119 + 1.20000ml of S12121 + 1.20000ml of S12449 + 1.20000ml of S12451 + 1.30000ml of S11567 + 1.30000ml of S11768 + 1.30000ml of S11770 + 1.30000ml of S12098 + 1.30000ml of S12100 + 1.30000ml of S12102 + 1.30000ml of S12103 + 1.30000ml of S12120 + 1.30000ml of S12122 + 1.30000ml of S12123 + 1.30000ml of S12124 + 1.30000ml of S12450 + 1.30000ml of S12452 + 1.40000ml of S12125 + 163.00000ml of E3780 = Final Quantity: 200.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	02/10/2025	08/10/2024 / Rajesh	07/24/2024 / Rajesh	E3780

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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	02/01/2025	08/01/2024 / Rajesh	07/16/2024 / Rajesh	E3786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862022	02/13/2025	08/13/2024 / Rajesh	08/07/2024 / Rajesh	E3787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	09/29/2024	03/29/2024 / Jagrut	12/09/2021 / Christian	S10102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	10/26/2024	04/26/2024 / Rahul	05/18/2022 / Christian	S10398

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	08/31/2030	05/31/2024 / Jagrut	12/28/2022 / Christian	S10972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10973

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	08/31/2028	05/31/2024 / Jagrut	12/28/2022 / Christian	S10996

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10997

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

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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	S11000

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11002

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0193449	10/26/2024	04/26/2024 / Rahul	01/13/2023 / Christian	S11012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11084

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

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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	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	01/09/2025	07/09/2024 / Jagrut	03/06/2023 / Christian	S11148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	503442	08/26/2024	07/09/2024 / Jagrut	07/26/2023 / yogesh	S11434

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

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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	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11567

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	01/12/2025	07/12/2024 / Rahul	11/21/2023 / Rahul	S11767

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11768

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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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11770

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	01/01/2025	07/01/2024 / Rahul	12/21/2023 / Rahul	S12033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	02/07/2025	08/07/2024 / anahy	12/21/2023 / Rahul	S12039

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	02/13/2025	08/13/2024 / anahy	12/21/2023 / Rahul	S12041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	01/09/2025	07/09/2024 / Jagrut	01/31/2024 / Rahul	S12076

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12098

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12100

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12101

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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	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

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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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/10/2025 / Jagrut	03/15/2024 / Rahul	S12118

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12122

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12123

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12124

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12125

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12449

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12450

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12451

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12452

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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-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.

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-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.

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
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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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

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Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

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Certified By: Erica Castiglione

Erica Castiglione
Chemist

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

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Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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

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Briana Smith
Chemist

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Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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Certified By: Briana Smith

Briana Smith
Chemist

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Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

S. Hunter

Certified By: _____

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

S. Hunter

Certified By: _____

Scott Hunter
Chemist

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Testing Laboratory
Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/18/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

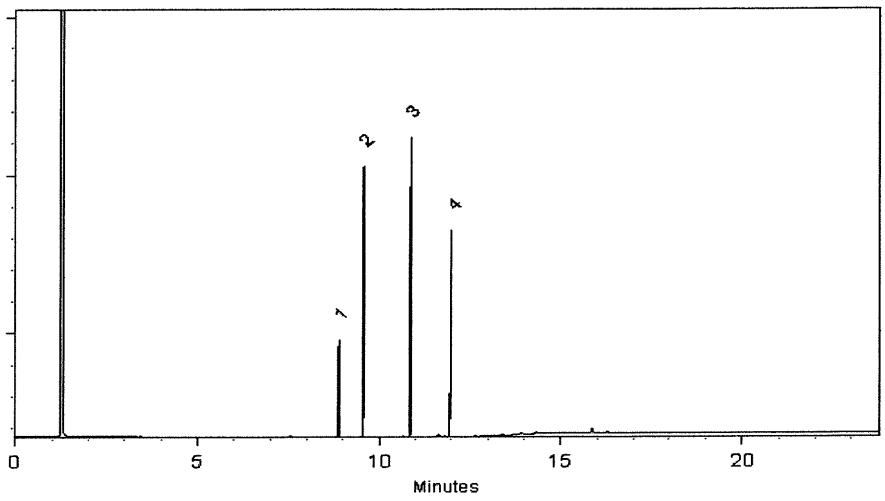
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

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Received by CG on 05/19/22
S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100	µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622	µg/mL	Unstressed
	Purity 99%		+/- 905.6020	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Testing Laboratory
Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

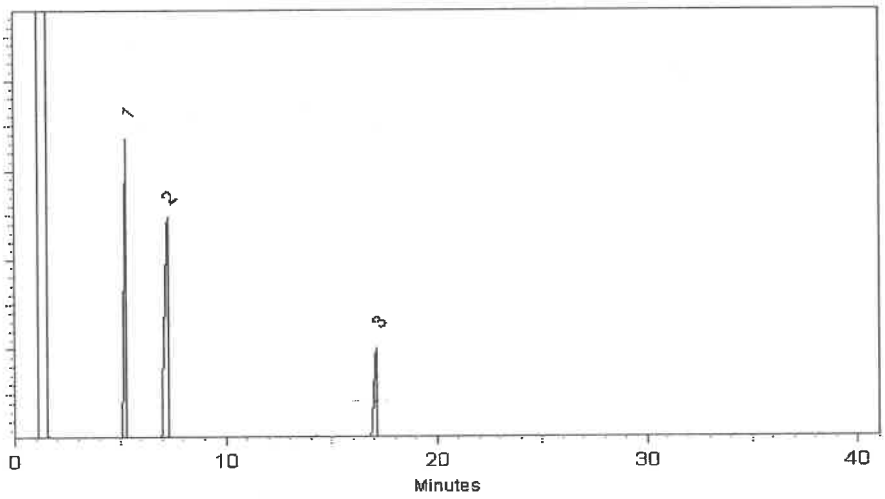
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

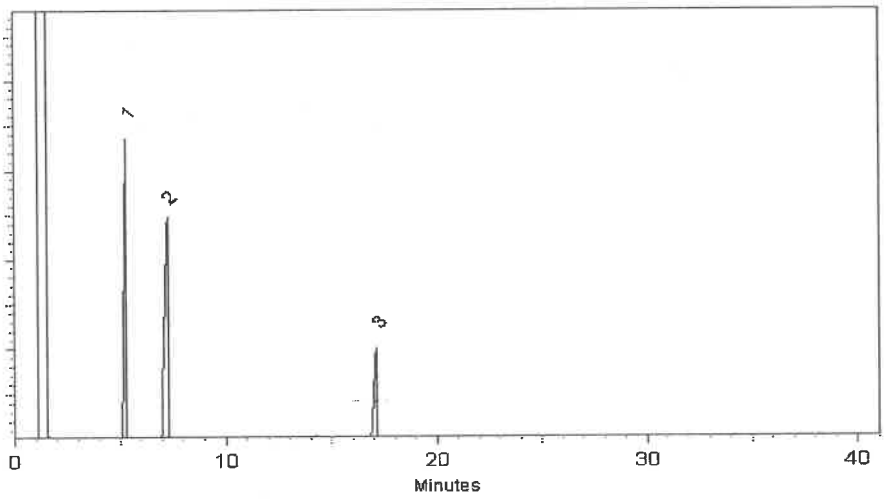
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

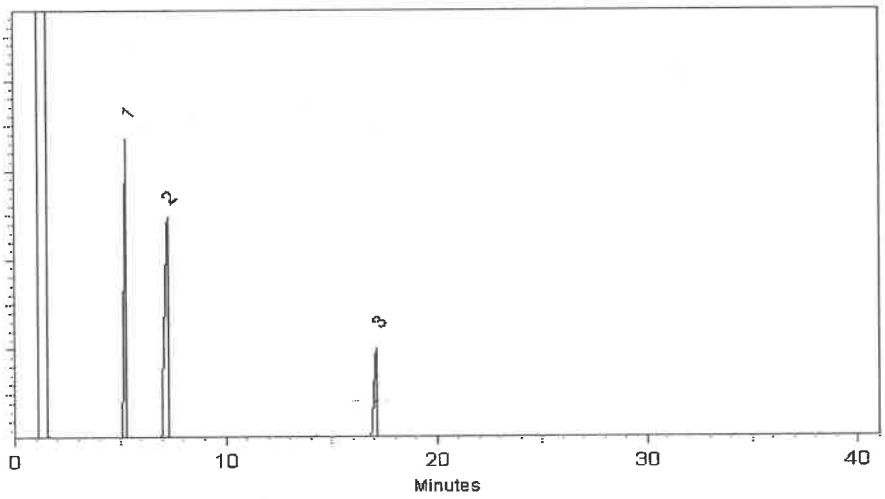
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

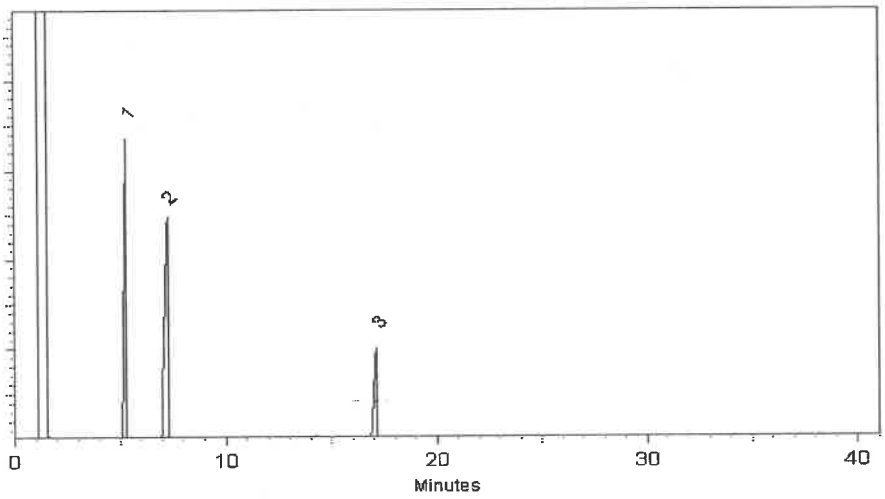
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

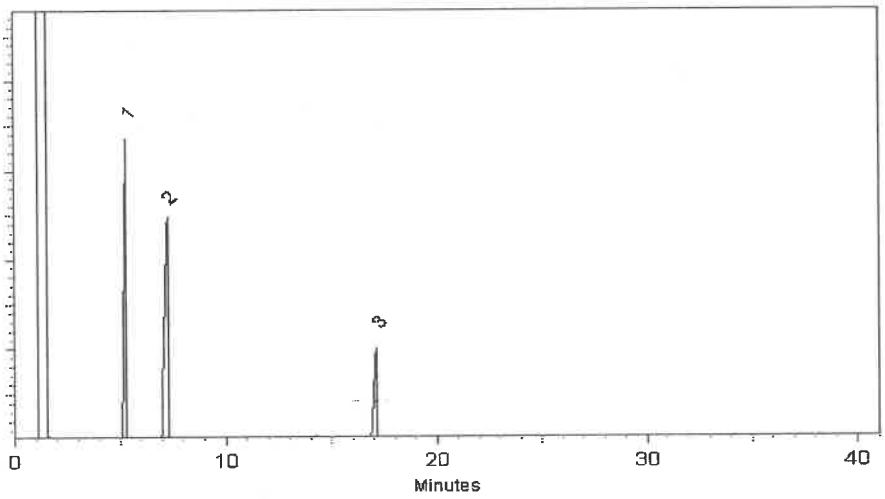
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

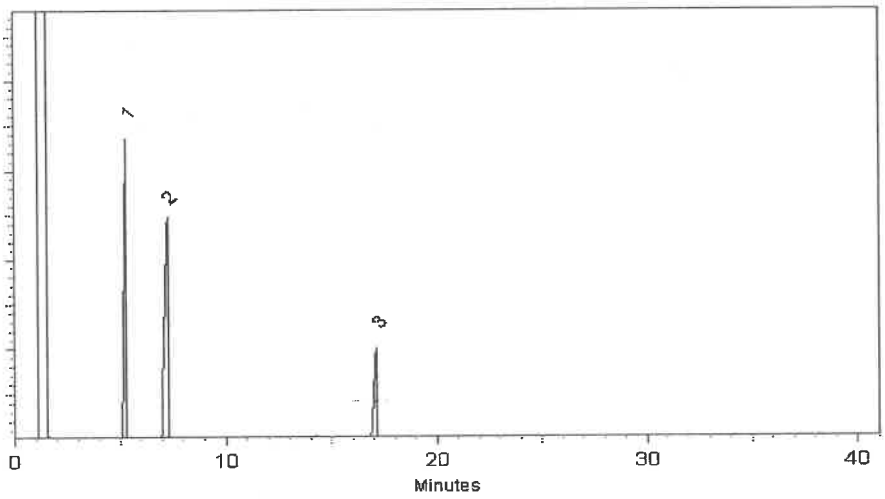
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

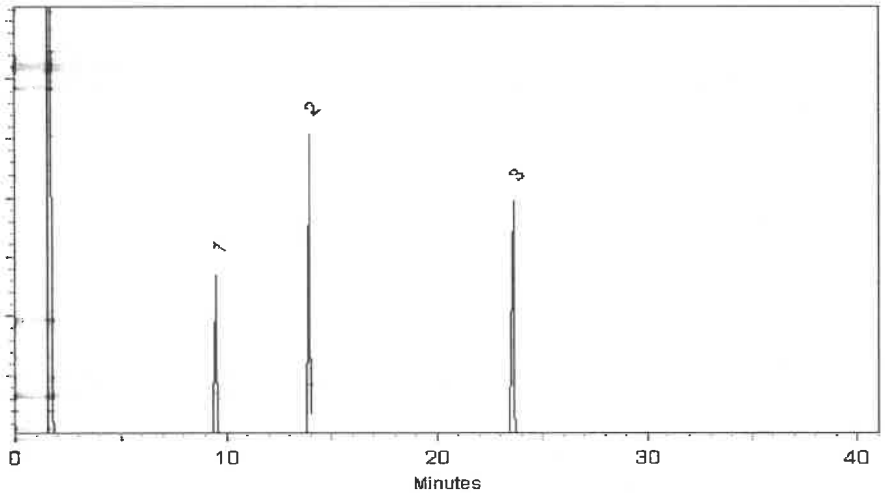
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

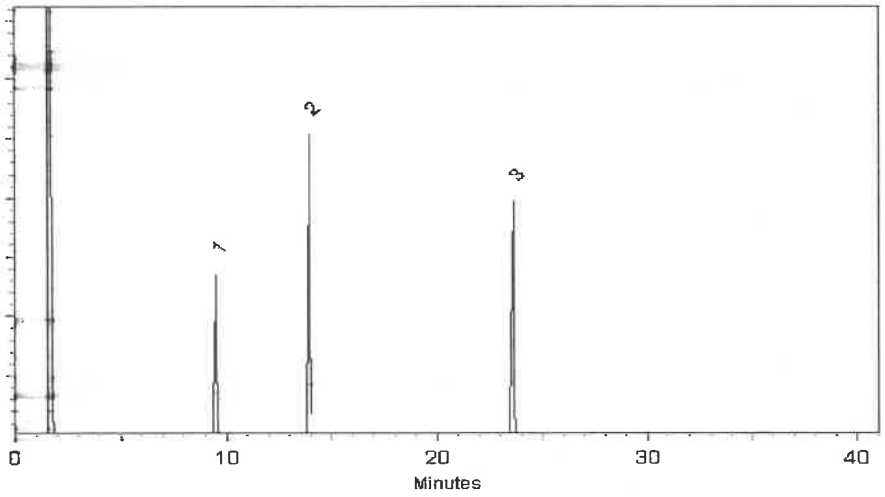
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

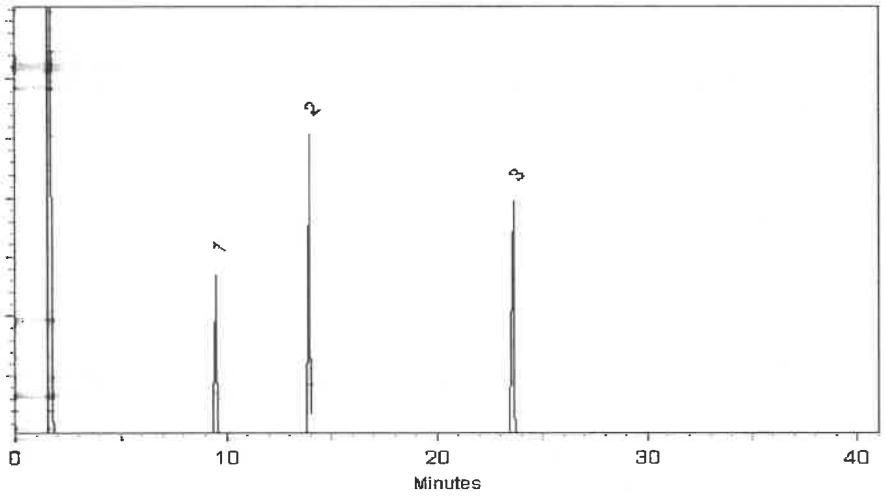
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

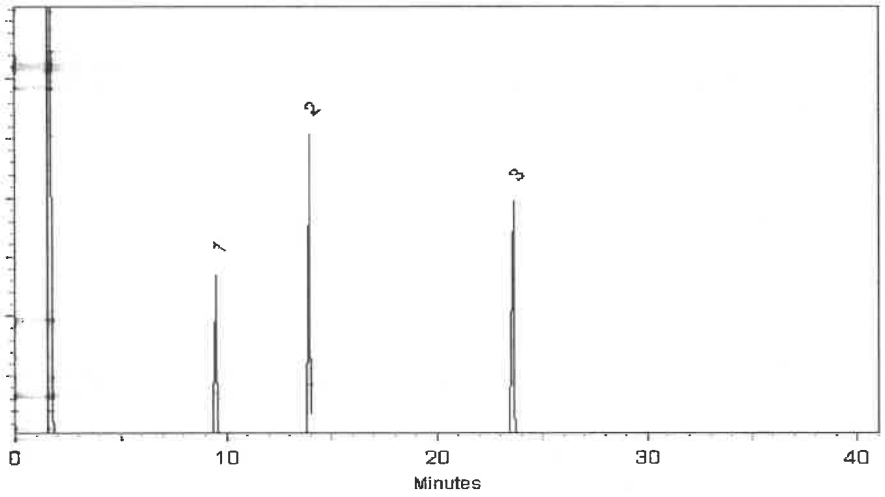
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

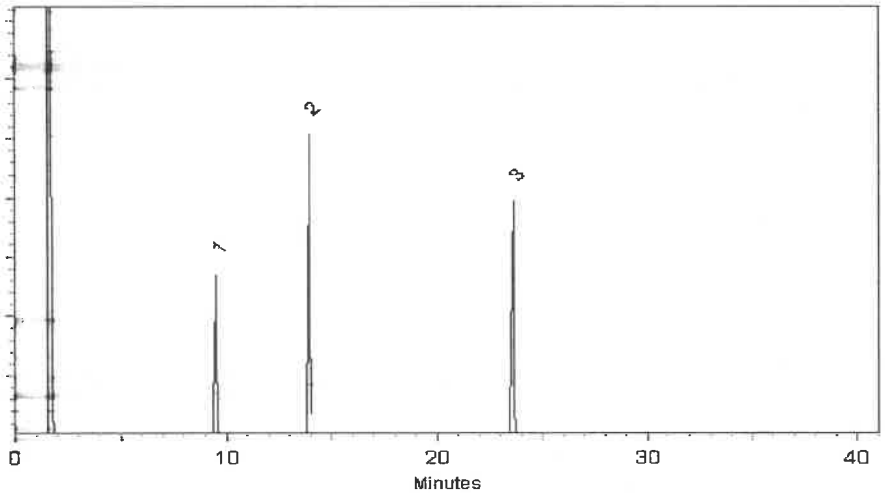
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
30m x 0.25mm x 0.25µm
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Carrier Gas:
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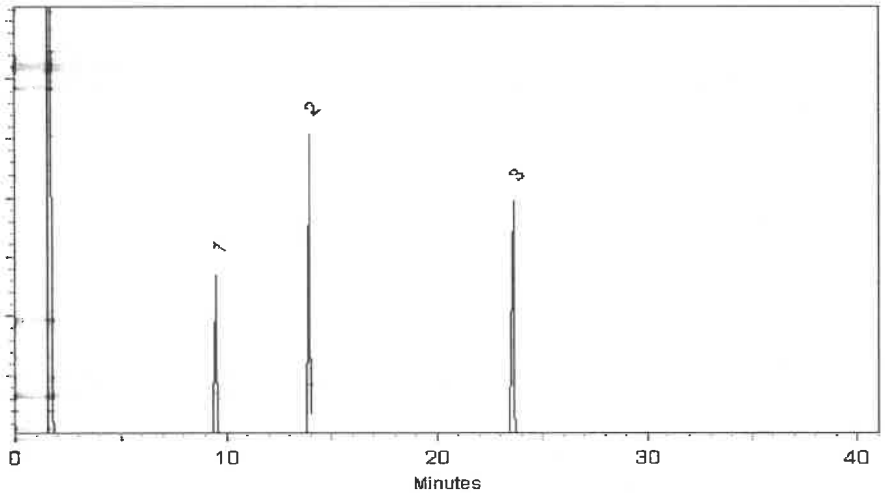
Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
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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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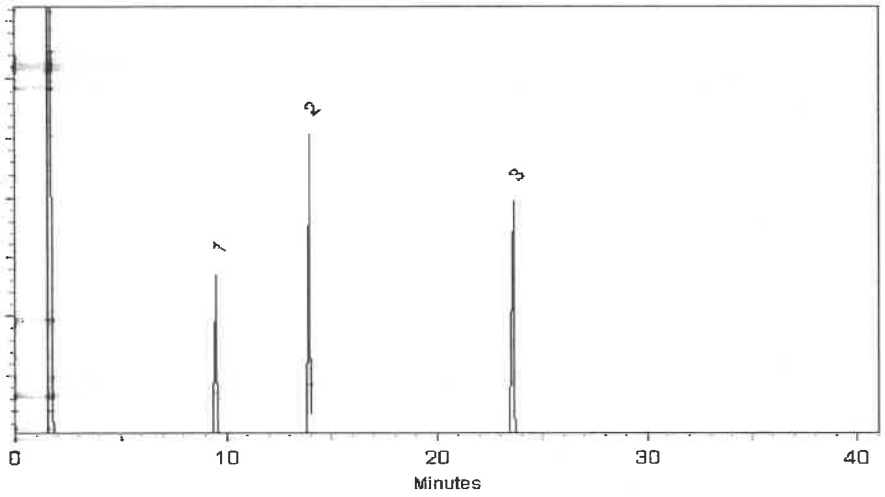

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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Det. Temp:
330°C

Det. Type:
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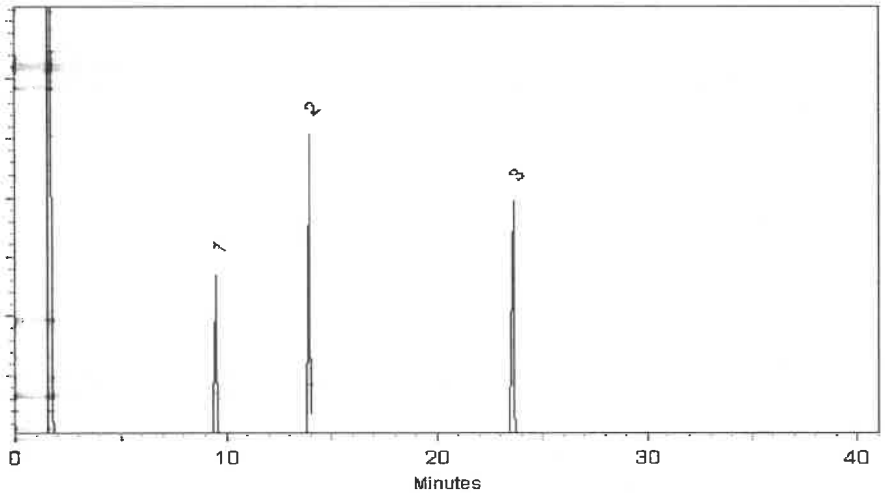

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Received on 01/13/23 by CG S11011 to S11015

Catalog No. : 555872 **Lot No.:** A0193449

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I **Date Mixed:** 11-Jan-2023 **Balance:** B442140311

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

gravimetric

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Re

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

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erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability n, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with dards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24C0162011
Manufactured Date: 2024-01-04
Expiration Date: 2025-04-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24A04224

E 3746

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/24/24

E 3780

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

Material No.: 9266-A4
Batch No.: 24F1062004
Manufactured Date: 2024-04-15
Expiration Date: 2025-07-15
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	7
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D15750

E 3786

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24G0862022
Manufactured Date: 2024-06-05
Expiration Date: 2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F05012

E 3787

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M5037-38-39-40
ND

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

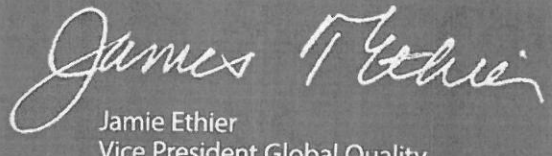
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

511434 } Y.P. 07/20/23

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	503442	≤ -10 °C	Methylene Chloride	8/26/2024	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5052 ± 122.61
2-fluorobiphenyl	321-60-8	99.7	8.7.1.1P	5005 ± 121.47
nitrobenzene-d_5	4165-60-0	100	7.9.2P	5040 ± 122.21
p-terphenyl-d_{14}	1718-51-0	99.6	9.12.9P	5027 ± 122

*Not a certified value

Certified By: Joanna Radu

Joanna Radu
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539
↓
511568
Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539
↓
511568
Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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
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511568
Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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
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511568
Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
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4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

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Date Mixed: 13-Sep-2023 **Balance:** B345965662

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- Purity values are rounded to the nearest whole number.

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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. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

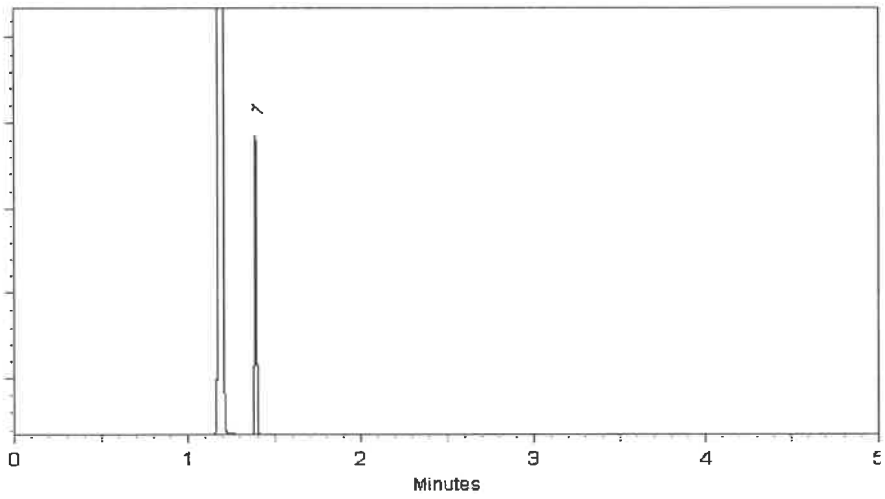
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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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:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

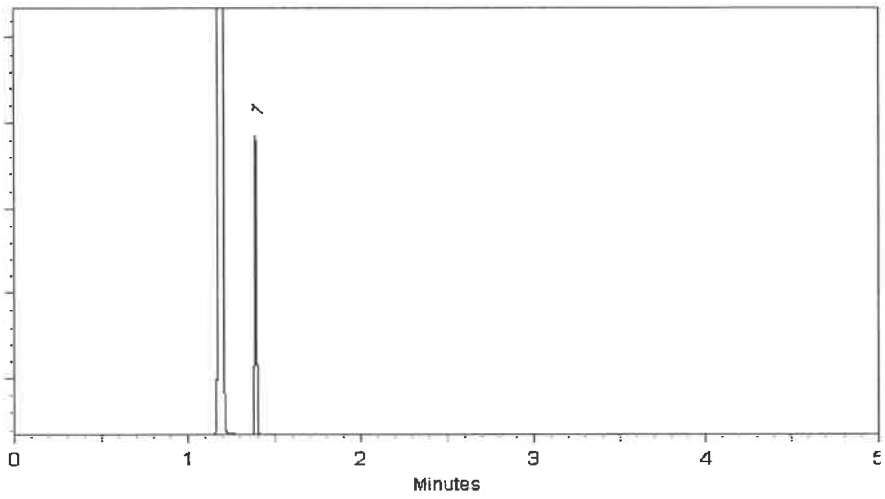
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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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:

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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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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:
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Det. Temp:
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Det. Type:
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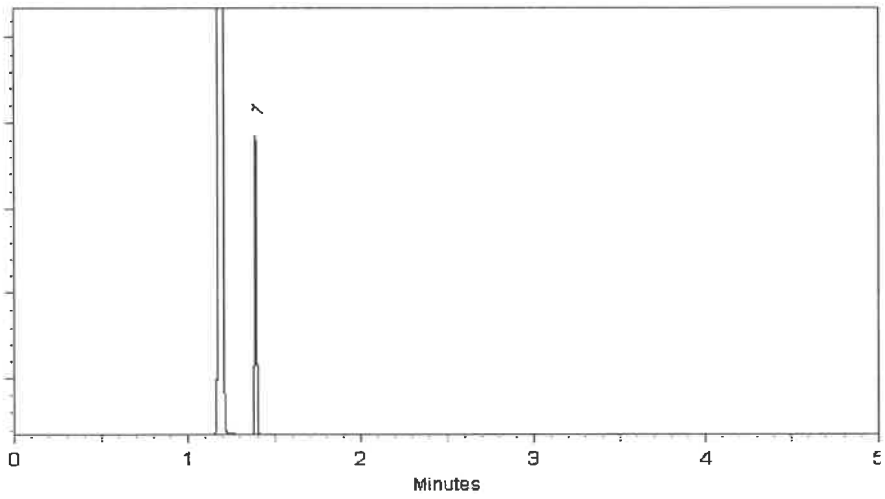
Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

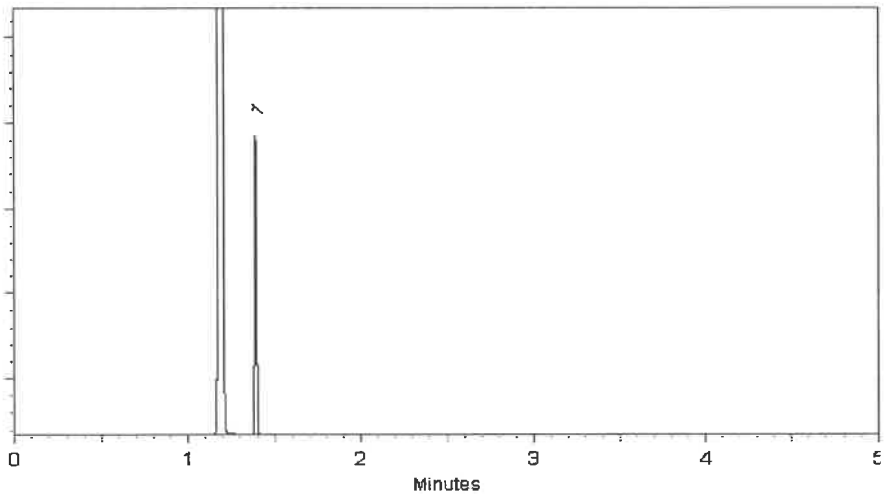
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

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Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

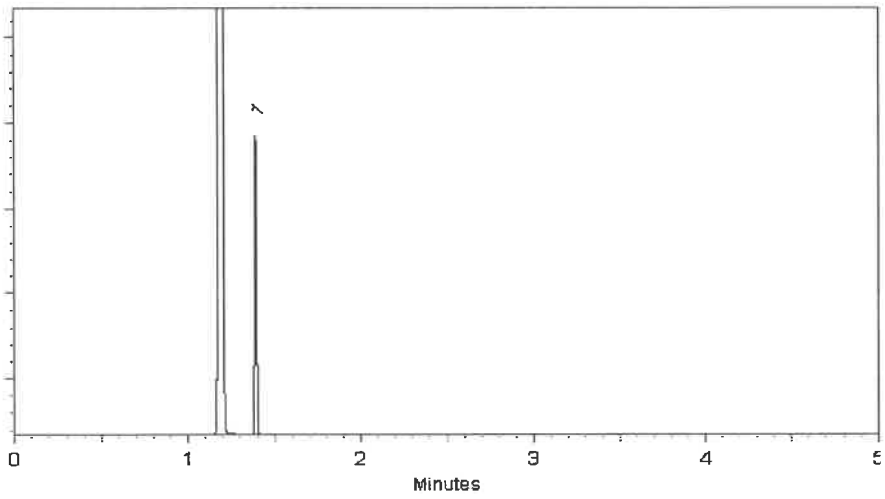
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

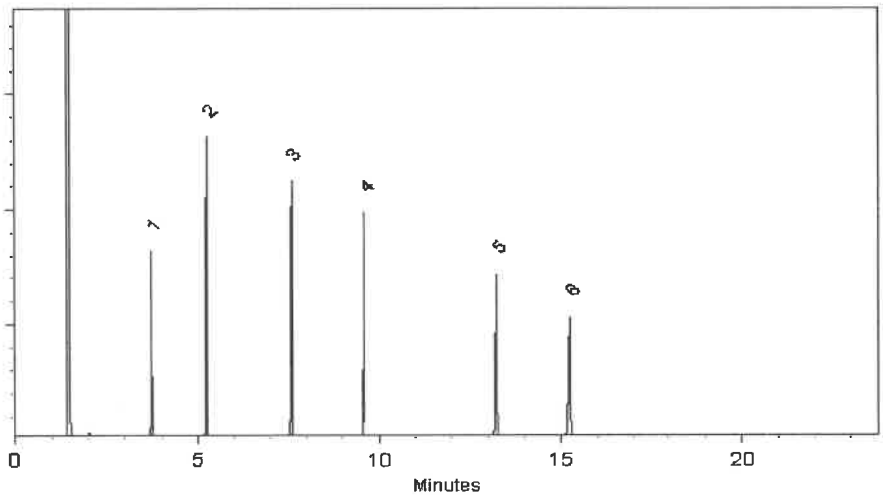
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

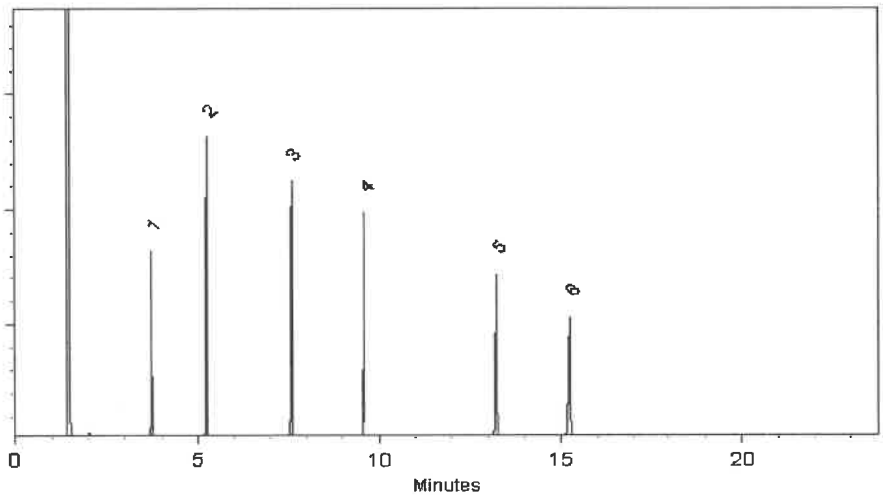
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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

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.)

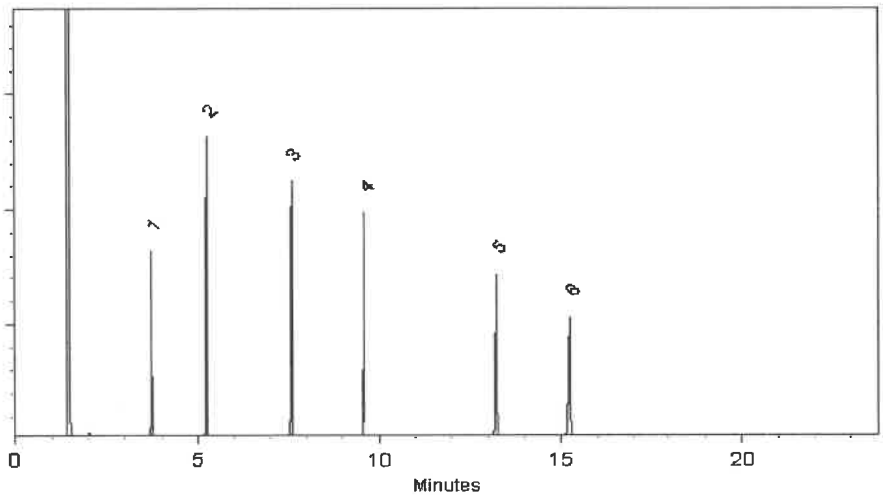
Inj. Temp:
250°C

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

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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

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Certificate of Analysis

gravimetric

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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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. : 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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Ship: Ambient

CERTIFIED VALUES

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S12082 ↓ S12111 RC/ 02/22/24

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Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

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CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

chromatographic plus

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

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55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
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CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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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. P3645
QUOTE NO.
COC Number 2041326

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Infante
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STL PTC
PROJECT NO.: D3779422 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 VOCs 8260D
2 SVOCs + PAHs 8270E (LL) SVOCs 8270E SIM
3 Metals 6020B; 7470A
4 Cr(VI) 7196A
5 SVOCs 8270E PAHs - 8270E SIM
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E	B/E	E	E					← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	914-J-WS-081524	WS		X	8-15-24	1335	8	2	4 (TB)	1	1	4					
2.	916-J-WS-081524	WS		X	8-15-24	1425	8	2	4 (TB)	1	1	4					
3.	TB-02-081524	DI		X	8-15-24	1530	1	1									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	8-15-24 1710	1.	1710 8-15-24
2.		2.	
3.	8-15-24 1820	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.6 °C
Comments: See attached table for required analytes list
2L of extra volume for SVOCs + PAHs analysis

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3645 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : Mary I. Murphy
Invoice Name : JACOBS Engineering Grou
Invoice Contact : Mary I. Murphy

Order Date : 8/15/2024 9:40:00 PM
Project Name : Former Schlumberger Site I
Receive DateTime : 8/15/2024 6:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3645-01	914-J-WS-081524	Water	08/15/2024	13:35					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3645-02	916-J-WS-081524	Water	08/15/2024	14:25					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3645-03	TB-02-081524	Water	08/15/2024	15:30					
					VOCMS Group6		8260-Low	10 Bus. Days	

Relinguished By :
Date / Time : 8/16/24 0950

Received By :
Date / Time : 8-16-24 09:50

Storage Area : VOA Refridgerator Room