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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : P3596

ATTENTION : Mary I. Murphy

Laboratory Certification ID # 20012

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Cover Page

Order ID : P3596

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3596-01	918-J-WS-081324
P3596-02	918-J-WS-081324-FD
P3596-03	TB-01-081324

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 : N. N. Pandya

APPROVED
Date: 8/27/2024
By Nimisha Pandya QA/QC Supervisor at 11:09 am, Sep 05, 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 # P3596
Test Name: SVOCMS Group6

A. Number of Samples and Date of Receipt:
3 Water samples were received on 08/13/2024.

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

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

The Surrogate recoveries met the acceptable criteria except for 918-J-WS-081324-FD [2,4,6-Tribromophenol - 114%]. these compound did not meet the NJDKQP criteria but met the in-house criteria , Therefor no corrective action was required.

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 Continuous Calibration File ID BM047290.D met the requirements except for Terphenyl-d14 . Which is not our target compound, therefore no corrective action taken.
The Tuning criteria met requirements.

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E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <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_ N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 11:10 am, Sep 05, 2024

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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

QA Control # A3040960

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

CHEMTECH PROJECT NUMBER: P3596 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 Continuous Calibration File ID BM047290.D met the requirements except for Terphenyl-d14 . Which is not our target compound, therefore no corrective action taken.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for 918-J-WS-081324-FD [2,4,6-Tribromophenol - 114%]. these compound did not meet the NJDKQP criteria but met the in-house criteria , Therefor no corrective action was required.			

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: The Internal Standards Areas met the acceptable requirements.			
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:

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

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

S. M. Jodhani
QA REVIEW

REVIEWED
Date
By Sohil Jodhani, QA/QC Director at 10:50 am, Sep 05, 2024

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3596

	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	✓

1st Level QA Review Signature: SOHIL JODHANI **Date:** 08/27/2024

2nd Level QA Review Signature: N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 11:10 am, Sep 05, 2024

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LAB CHRONICLE

OrderID:	P3596	**OrderDate:**	8/13/2024 1:10:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	**Location:**	D21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3596-01	**918-J-WS-081324**	**Water**			**08/13/24**			**08/13/24**
			SVOCMS Group3	8270-Modified		08/14/24	08/17/24	
			SVOCMS Group6	8270E		08/14/24	08/21/24	
P3596-02	**918-J-WS-081324-FD**	**Water**			**08/13/24**			**08/13/24**
			SVOCMS Group3	8270-Modified		08/14/24	08/17/24	
			SVOCMS Group6	8270E		08/14/24	08/21/24	

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Hit Summary Sheet
SW-846

SDG No.: P3596

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.: P3596

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3596-01	918-J-WS-081324	2-Fluorophenol	150	54.5	36		15 (10)	110 (139)
		Phenol-d6	150	31.8	21		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.7	76		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.3	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	164	110		15 (44)	110 (137)
		Terphenyl-d14	100	102	102		30 (48)	130 (125)
P3596-02	918-J-WS-081324-FD	2-Fluorophenol	150	54.0	36		15 (10)	110 (139)
		Phenol-d6	150	32.9	22		15 (10)	110 (134)
		Nitrobenzene-d5	100	72.3	72		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.4	77		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	171	114	*	15 (44)	110 (137)
		Terphenyl-d14	100	102	102		30 (48)	130 (125)
PB162722BL	PB162722BL	2-Fluorophenol	150	122	81		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	74.8	75		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.9	79		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	93.0	93		30 (48)	130 (125)
PB162722BS	PB162722BS	2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	126	84		15 (10)	110 (134)
		Nitrobenzene-d5	100	78.0	78		30 (49)	130 (133)
		2-Fluorobiphenyl	100	82.1	82		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	139	93		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
PB162722BSD	PB162722BSD	2-Fluorophenol	150	129	86		15 (10)	110 (139)
		Phenol-d6	150	125	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	77.9	78		30 (49)	130 (133)
		2-Fluorobiphenyl	100	82.6	83		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	140	93		15 (44)	110 (137)
		Terphenyl-d14	100	98.5	99		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3596

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BM047247.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162722BS	Pyridine	50	27.1	ug/L	54				20 (29)	160 (97)	
	Benzaldehyde	50	16.2	ug/L	32				20 (10)	160 (162)	
	2-Methylphenol	50	48.7	ug/L	97				70 (69)	130 (109)	
	Acetophenone	50	39.5	ug/L	79				70 (60)	130 (104)	
	3+4-Methylphenols	50	48.1	ug/L	96				20 (67)	160 (106)	
	Nitrobenzene	50	40.8	ug/L	82				70 (58)	130 (106)	
	2,4-Dichlorophenol	50	53.0	ug/L	106				70 (66)	130 (115)	
	Naphthalene	50	43.5	ug/L	87				70 (64)	130 (107)	
	Hexachlorobutadiene	50	46.2	ug/L	92				70 (69)	130 (101)	
	2-Methylnaphthalene	50	45.1	ug/L	90				70 (64)	130 (107)	
	2,4,6-Trichlorophenol	50	51.0	ug/L	102				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	47.4	ug/L	95				70 (70)	130 (106)	
	Acenaphthylene	50	47.9	ug/L	96				70 (79)	130 (103)	
	Acenaphthene	50	43.6	ug/L	87				70 (59)	130 (113)	
	Dibenzofuran	50	45.3	ug/L	91				70 (65)	130 (106)	
	Fluorene	50	45.1	ug/L	90				70 (64)	130 (107)	
	Hexachlorobenzene	50	45.0	ug/L	90				70 (73)	130 (106)	
	Pentachlorophenol	100	90.5	ug/L	91				20 (47)	160 (114)	
	Phenanthrene	50	45.7	ug/L	91				70 (62)	130 (109)	
	Carbazole	50	45.6	ug/L	91				70 (62)	130 (106)	
	Di-n-butylphthalate	50	46.2	ug/L	92				70 (64)	130 (106)	
	Fluoranthene	50	47.1	ug/L	94				70 (64)	130 (110)	
	Pyrene	50	46.3	ug/L	93				70 (71)	130 (103)	
	Benzo(a)anthracene	50	47.1	ug/L	94				70 (62)	130 (107)	
	Chrysene	50	46.3	ug/L	93				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	46.7	ug/L	93				70 (59)	130 (110)	
	Benzo(b)fluoranthene	50	48.2	ug/L	96				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	50.8	ug/L	102				70 (77)	130 (105)	
	Benzo(a)pyrene	50	51.9	ug/L	104				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	47.9	ug/L	96				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	48.1	ug/L	96				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	43.8	ug/L	88				70 (75)	130 (118)	
	1,4-Dioxane	50	27.1	ug/L	54				20 (38)	160 (125)	
	1-Methylnaphthalene	50	42.8	ug/L	86				70 (51)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3596

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BM047248.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162722BSD	Pyridine	50	28.0	ug/L	56	3			20 (29)	160 (97)	20 (20)
	Benzaldehyde	50	16.5	ug/L	33	2			20 (10)	160 (162)	20 (20)
	2-Methylphenol	50	48.6	ug/L	97	0			70 (69)	130 (109)	20 (20)
	Acetophenone	50	39.5	ug/L	79	0			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	47.6	ug/L	95	1			20 (67)	160 (106)	20 (20)
	Nitrobenzene	50	41.1	ug/L	82	1			70 (58)	130 (106)	20 (20)
	2,4-Dichlorophenol	50	52.6	ug/L	105	1			70 (66)	130 (115)	20 (20)
	Naphthalene	50	43.4	ug/L	87	0			70 (64)	130 (107)	20 (20)
	Hexachlorobutadiene	50	46.2	ug/L	92	0			70 (69)	130 (101)	20 (20)
	2-Methylnaphthalene	50	44.6	ug/L	89	1			70 (64)	130 (107)	20 (20)
	2,4,6-Trichlorophenol	50	51.1	ug/L	102	0			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	47.3	ug/L	95	0			70 (70)	130 (106)	20 (20)
	Acenaphthylene	50	48.1	ug/L	96	0			70 (79)	130 (103)	20 (20)
	Acenaphthene	50	43.6	ug/L	87	0			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	45.6	ug/L	91	1			70 (65)	130 (106)	20 (20)
	Fluorene	50	44.7	ug/L	89	1			70 (64)	130 (107)	20 (20)
	Hexachlorobenzene	50	45.5	ug/L	91	1			70 (73)	130 (106)	20 (20)
	Pentachlorophenol	100	90.1	ug/L	90	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	45.8	ug/L	92	0			70 (62)	130 (109)	20 (20)
	Carbazole	50	46.1	ug/L	92	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	46.3	ug/L	93	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	47.4	ug/L	95	1			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.3	ug/L	91	2			70 (71)	130 (103)	20 (20)
	Benzo(a)anthracene	50	47.1	ug/L	94	0			70 (62)	130 (107)	20 (20)
	Chrysene	50	46.5	ug/L	93	0			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	46.0	ug/L	92	2			70 (59)	130 (110)	20 (20)
	Benzo(b)fluoranthene	50	47.5	ug/L	95	1			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	50.4	ug/L	101	1			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	51.9	ug/L	104	0			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	48.2	ug/L	96	1			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	48.6	ug/L	97	1			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	44.1	ug/L	88	1			70 (75)	130 (118)	20 (20)
	1,4-Dioxane	50	26.2	ug/L	52	3			20 (38)	160 (125)	20 (20)
	1-Methylnaphthalene	50	42.3	ug/L	85	1			70 (51)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162722BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3596 SAS No.: P3596 SDG NO.: P3596

Lab File ID: BM047246.D Lab Sample ID: PB162722BL

Instrument ID: BNA_M Date Extracted: 08/14/2024

Matrix: (soil/water) Water Date Analyzed: 08/19/2024

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162722BS	PB162722BS	BM047247.D	08/19/2024
PB162722BSD	PB162722BSD	BM047248.D	08/19/2024
918-J-WS-081324-FD	P3596-02	BM047298.D	08/21/2024
918-J-WS-081324	P3596-01	BM047300.D	08/21/2024

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3596 SDG NO.: P3596

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	100
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.: P3596 SDG NO.: P3596

Lab File ID: BM047244.D DFTPP Injection Date: 08/19/2024

Instrument ID: BNA_M DFTPP Injection Time: 09:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.3
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	35.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	42.3
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	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	9.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	11.7 (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	BM047245.D	08/19/2024	09:42
PB162722BL	PB162722BL	BM047246.D	08/19/2024	10:22
PB162722BS	PB162722BS	BM047247.D	08/19/2024	11:02
PB162722BSD	PB162722BSD	BM047248.D	08/19/2024	11:41

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3596 SDG NO.: P3596

Lab File ID: BM047289.D DFTPP Injection Date: 08/21/2024

Instrument ID: BNA_M DFTPP Injection Time: 09:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.5
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39.4
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	26.4
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	9.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.1 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM047290.D	08/21/2024	09:44
918-J-WS-081324-FD	P3596-02	BM047298.D	08/21/2024	15:06
918-J-WS-081324	P3596-01	BM047300.D	08/21/2024	16:26

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3596 SAS No.: P3596 SDG NO.: P3596

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

Lab File ID: BM047245.D Time Analyzed: 09:42

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	274830	7.369	1117660	10.12	774502	14.03
	UPPER LIMIT	549660	7.869	2235320	10.622	1549000	14.527
	LOWER LIMIT	137415	6.869	558830	9.622	387251	13.527
	EPA SAMPLE NO.						
01	PB162722BL	224571	7.37	887832	10.12	633258	14.03
02	PB162722BS	277756	7.36	1128090	10.12	782637	14.03
03	PB162722BSD	265608	7.37	1076890	10.12	737861	14.03

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.: P3596 SAS No.: P3596 SDG NO.: P3596

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

Lab File ID: BM047245.D Time Analyzed: 09:42

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	1666060	16.792	1393630	21.039	1655410	23.744
	UPPER LIMIT	3332120	17.292	2787260	21.539	3310820	24.244
	LOWER LIMIT	833030	16.292	696815	20.539	827705	23.244
	EPA SAMPLE NO.						
01	PB162722BL	1463620	16.79	1426650	21.03	1586340	23.74
02	PB162722BS	1751230	16.80	1584430	21.04	1735610	23.74
03	PB162722BSD	1630380	16.79	1511030	21.04	1710120	23.74

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.: P3596 SAS No.: P3596 SDG NO.: P3596

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

Lab File ID: BM047290.D Time Analyzed: 09:44

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	282815	7.357	1065920	10.11	694208	14.02
	UPPER LIMIT	565630	7.857	2131840	10.61	1388420	14.516
	LOWER LIMIT	141408	6.857	532960	9.61	347104	13.516
	EPA SAMPLE NO.						
01	918-J-WS-081324	183659	7.35	677846	10.11	451328	14.01
02	918-J-WS-081324-FD	190222	7.35	707486	10.11	485993	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.: P3596 SAS No.: P3596 SDG NO.: P3596

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

Lab File ID: BM047290.D Time Analyzed: 09:44

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	1345650	16.78	925255	21.021	1068510	23.715
	UPPER LIMIT	2691300	17.28	1850510	21.521	2137020	24.215
	LOWER LIMIT	672825	16.28	462628	20.521	534255	23.215
	EPA SAMPLE NO.						
01	918-J-WS-081324	1016830	16.78	1105590	21.02	1128270	23.71
02	918-J-WS-081324-FD	1096800	16.78	1199660	21.02	1267200	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.

SAMPLE DATA

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/13/24
Client Sample ID:	918-J-WS-081324	SDG No.:	P3596
Lab Sample ID:	P3596-01	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
BM047300.D	1	08/14/24 08:25	08/21/24 16:26	PB162722

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
98-86-2	Acetophenone	1.10	U	1.10	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.3	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.91	U	0.91	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
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
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
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/13/24
Client Sample ID:	918-J-WS-081324	SDG No.:	P3596
Lab Sample ID:	P3596-01	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
BM047300.D	1	08/14/24 08:25	08/21/24 16:26	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	54.5		15 (10) - 110 (139)	36%	SPK: 150
13127-88-3	Phenol-d6	31.8		15 (10) - 110 (134)	21%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.7		30 (49) - 130 (133)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	164		15 (44) - 110 (137)	110%	SPK: 150
1718-51-0	Terphenyl-d14	102		30 (48) - 130 (125)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	184000	7.351			
1146-65-2	Naphthalene-d8	678000	10.11			
15067-26-2	Acenaphthene-d10	451000	14.01			
1517-22-2	Phenanthrene-d10	1020000	16.78			
1719-03-5	Chrysene-d12	1110000	21.021			
1520-96-3	Perylene-d12	1130000	23.709			

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\BM082124\
Data File : BM047300.D
Acq On : 21 Aug 2024 16:26
Operator : RC/JU
Sample : P3596-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Quant Time: Aug 21 17:04:16 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

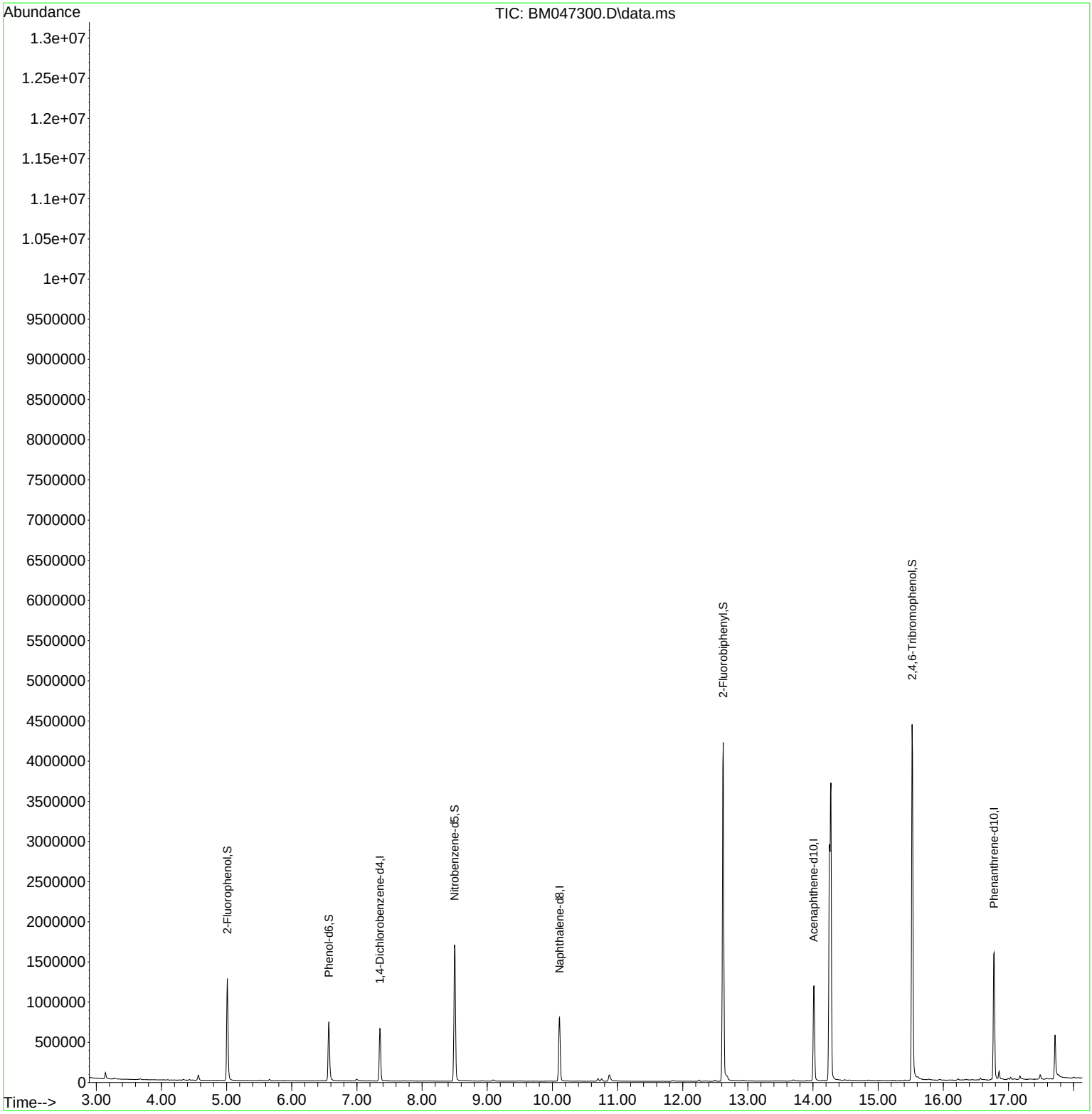
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	183659	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	677846	20.000	ng	-0.02
39) Acenaphthene-d10	14.010	164	451328	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1016829	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1105591	20.000	ng	-0.01
86) Perylene-d12	23.709	264	1128272	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	559732	54.457	ng	-0.01
7) Phenol-d6	6.569	99	450804	31.830	ng	-0.02
23) Nitrobenzene-d5	8.498	82	1018772	75.679	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	859870	164.310	ng	-0.02
45) 2-Fluorobiphenyl	12.622	172	2291742	78.326	ng	-0.02
79) Terphenyl-d14	19.451	244	5268253	102.105	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047300.D
Acq On : 21 Aug 2024 16:26
Operator : RC/JU
Sample : P3596-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

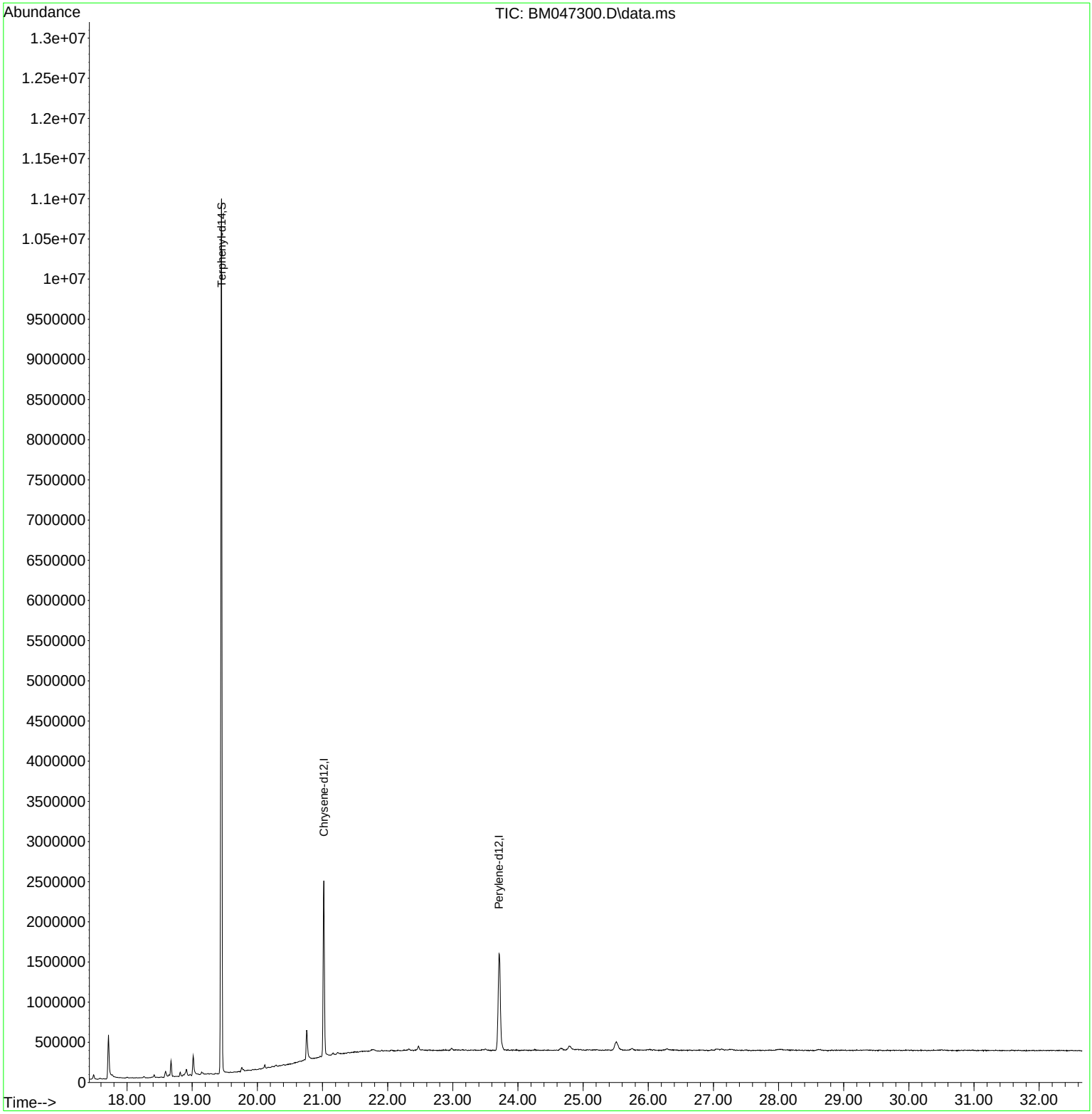
Quant Time: Aug 21 17:04:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

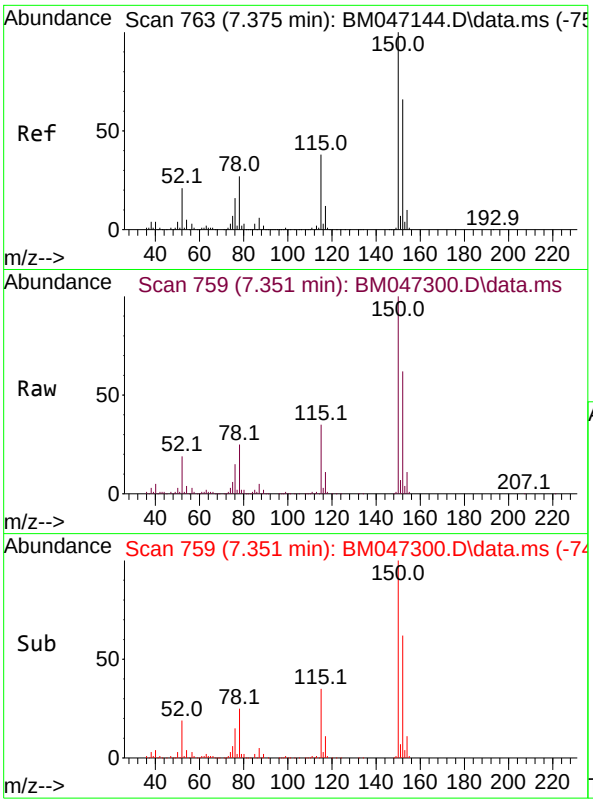


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047300.D
Acq On : 21 Aug 2024 16:26
Operator : RC/JU
Sample : P3596-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Quant Time: Aug 21 17:04:16 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



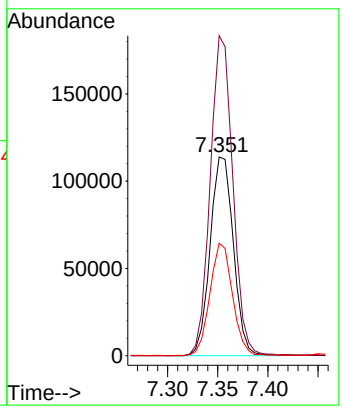


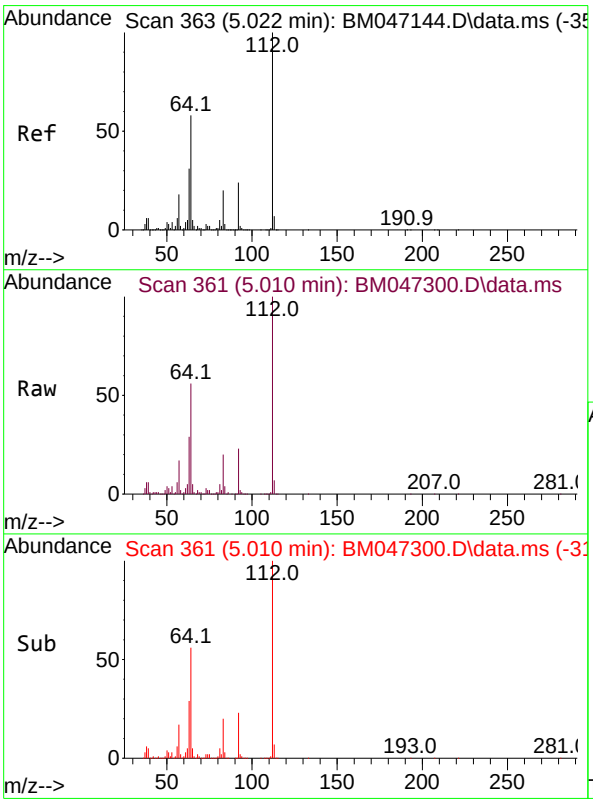
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Tgt Ion:152 Resp: 183659

Ion	Ratio	Lower	Upper
152	100		
150	161.0	120.5	180.7
115	56.6	45.5	68.3

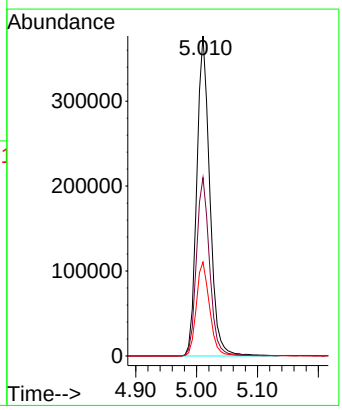


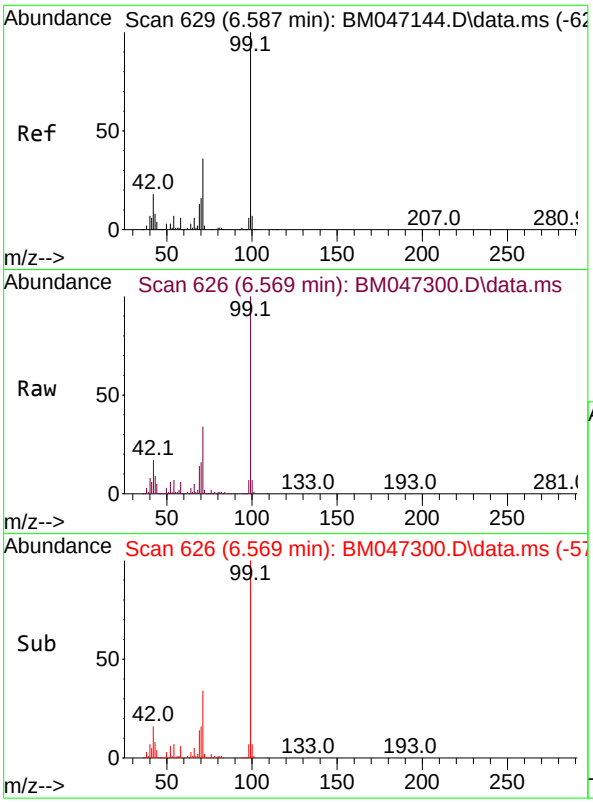


#5
2-Fluorophenol
Concen: 54.457 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Tgt Ion:112 Resp: 559732

Ion	Ratio	Lower	Upper
112	100		
64	55.7	46.7	70.1
63	29.3	24.8	37.2



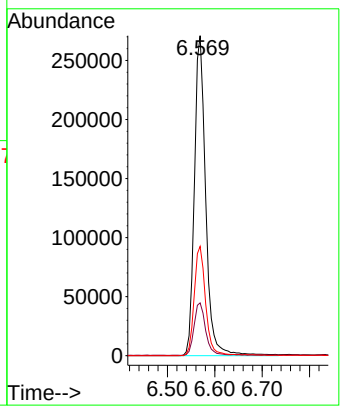


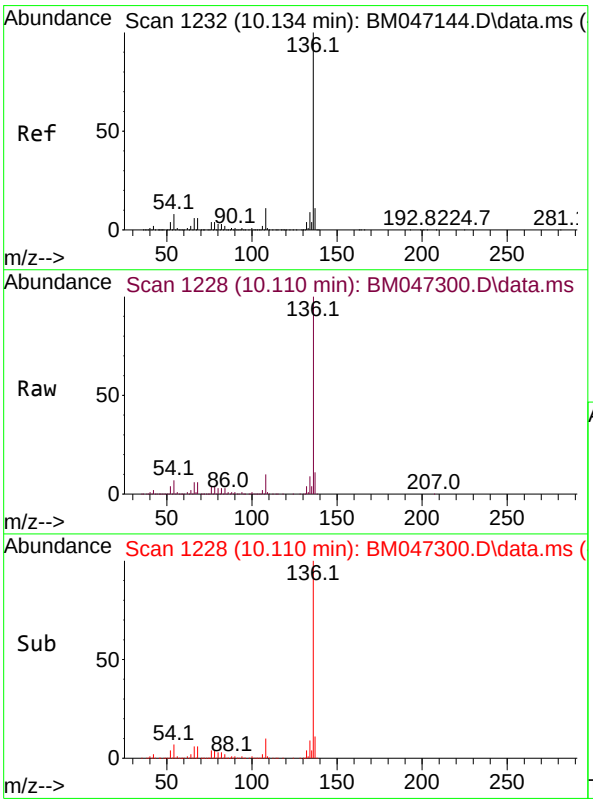
#7
Phenol-d6
Concen: 31.830 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Tgt Ion: 99 Resp: 450804

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.1	21.1
71	34.1	28.5	42.7

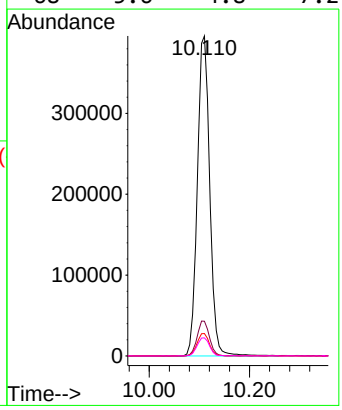


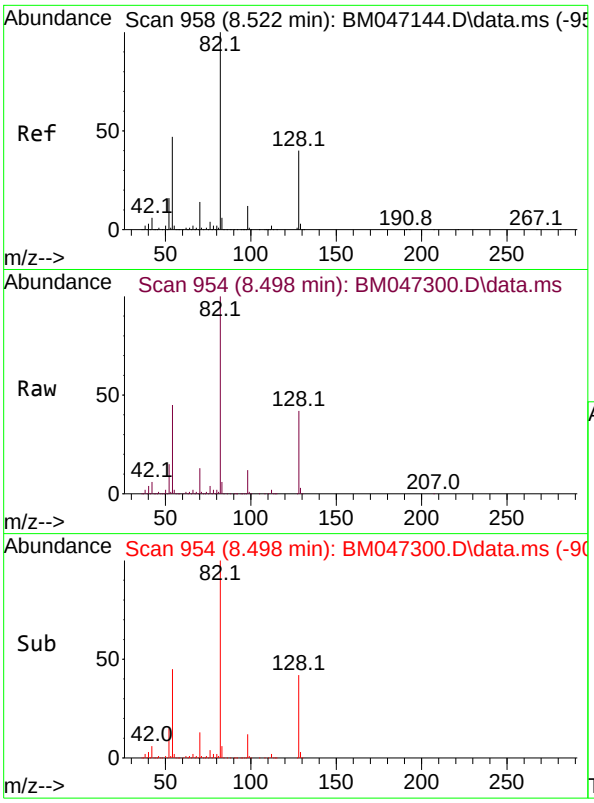


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Tgt Ion:136 Resp: 677846

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	6.0	9.0
68	5.6	4.8	7.2



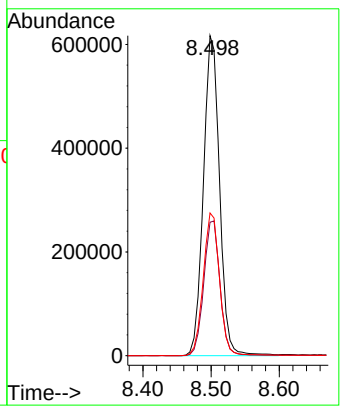


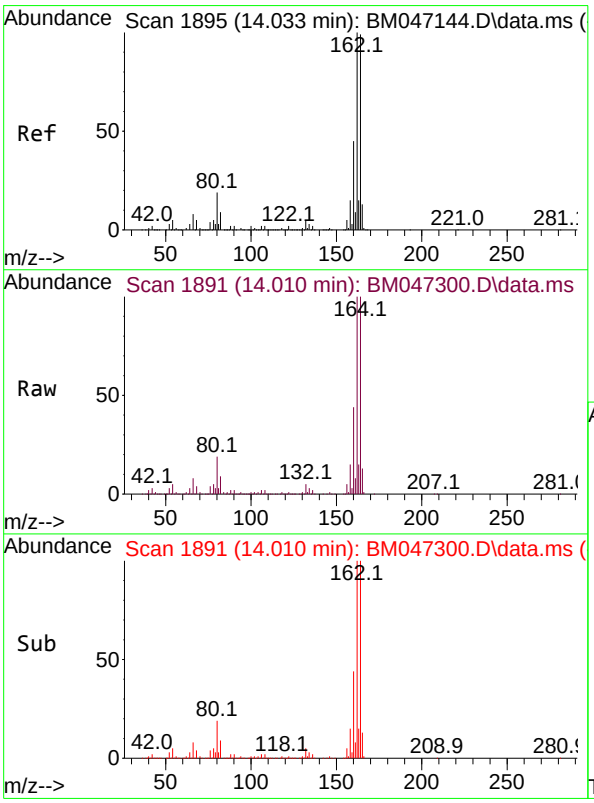
#23
Nitrobenzene-d5
Concen: 75.679 ng
RT: 8.498 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Tgt Ion: 82 Resp: 1018772

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.3	48.5
54	44.6	37.4	56.2

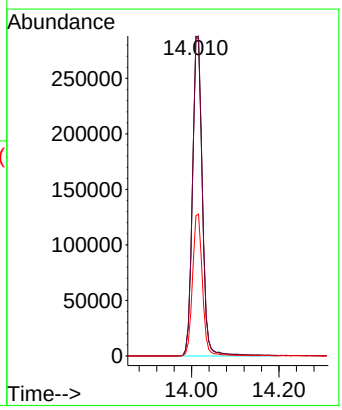


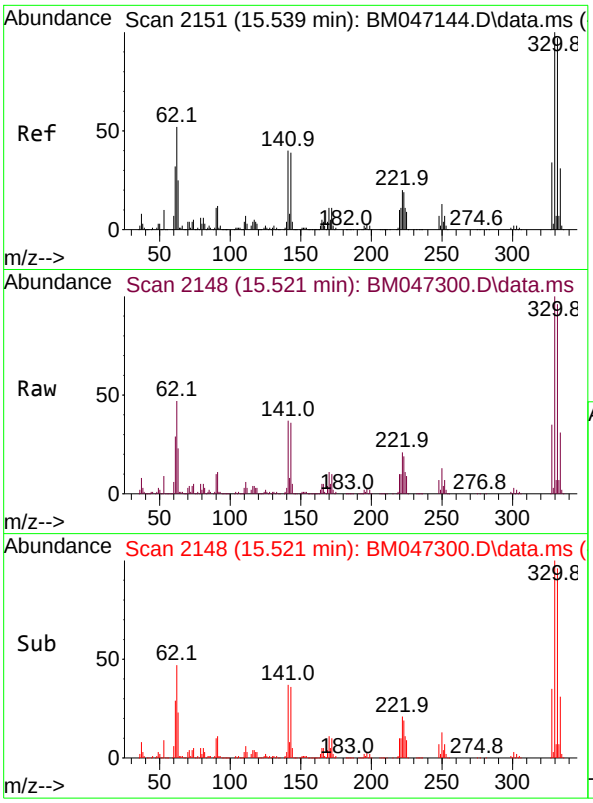


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Tgt Ion:164 Resp: 451328

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.7	121.1
160	43.9	36.0	54.0



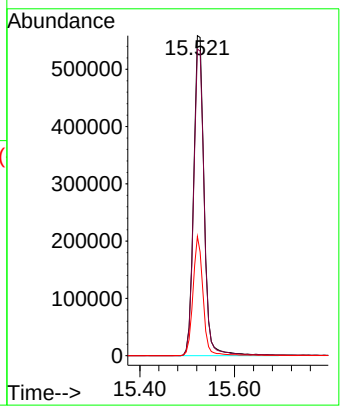


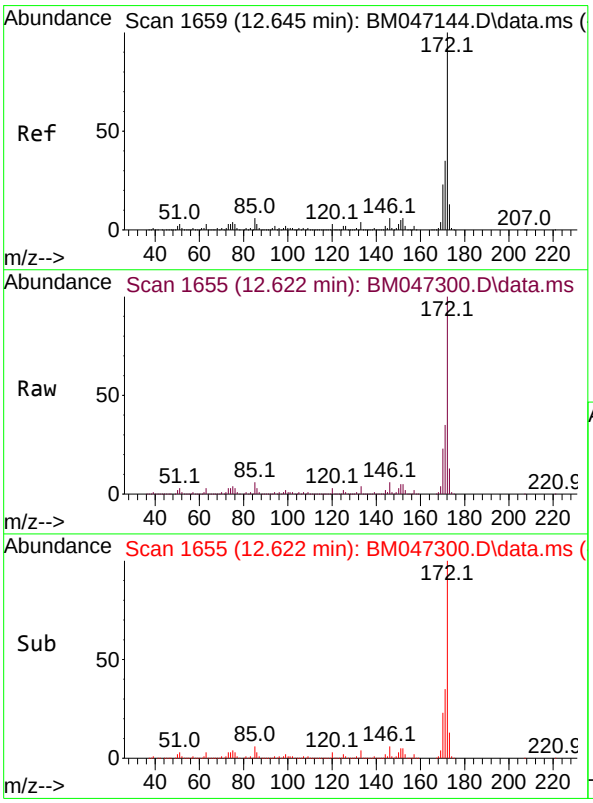
#42
2,4,6-Tribromophenol
Concen: 164.310 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Tgt Ion:330 Resp: 859870

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	35.8	31.6	47.4

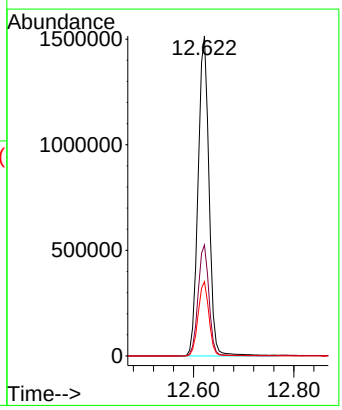


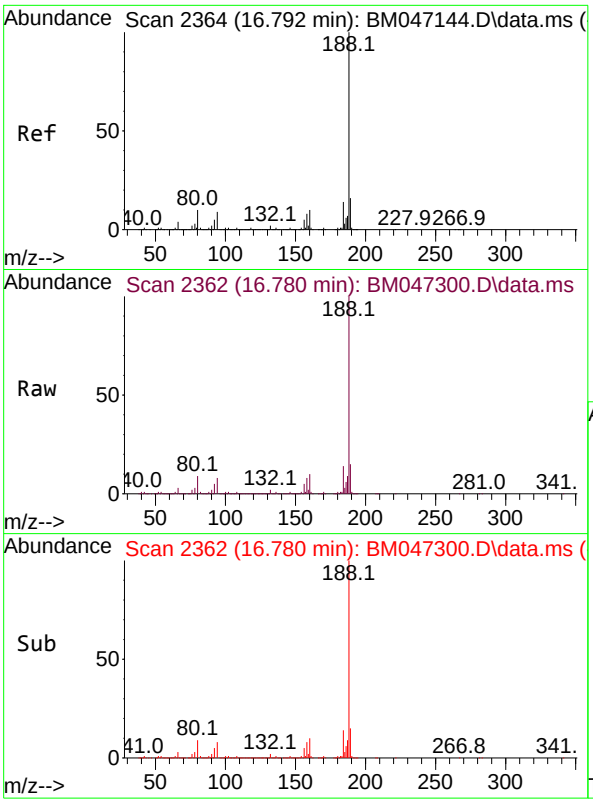


#45
2-Fluorobiphenyl
Concen: 78.326 ng
RT: 12.622 min Scan# 1655
Delta R.T. -0.023 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Tgt Ion:172 Resp: 2291742

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.2	18.7	28.1



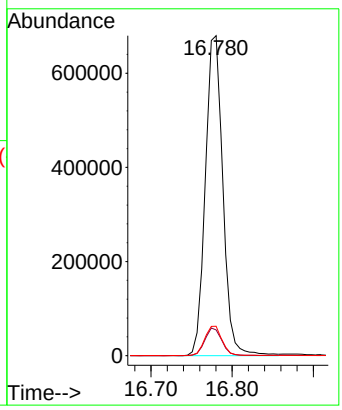


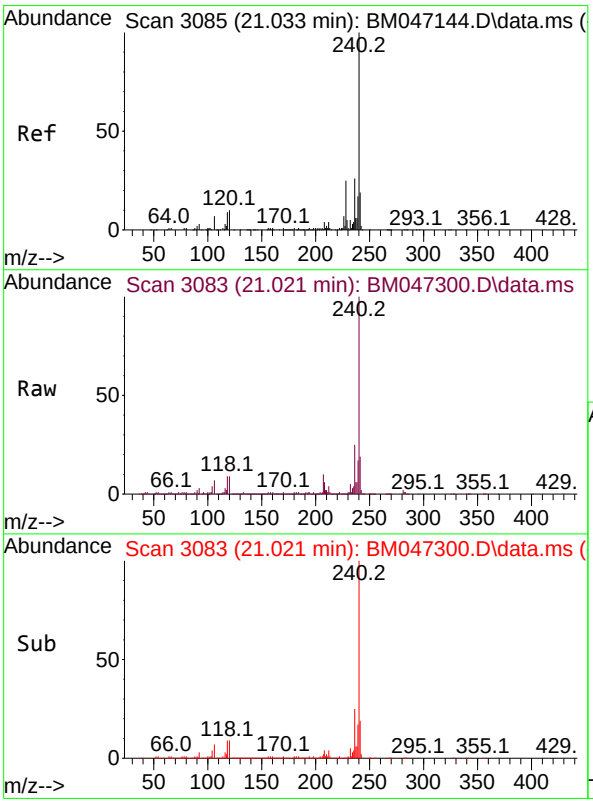
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Tgt Ion:188 Resp: 1016829

Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.0	10.6
80	9.2	8.0	12.0

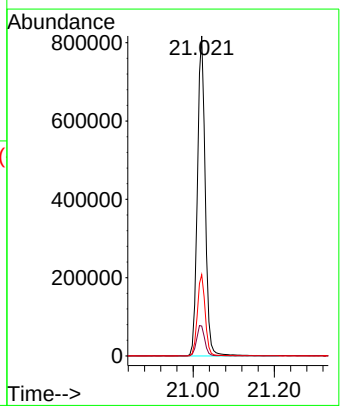


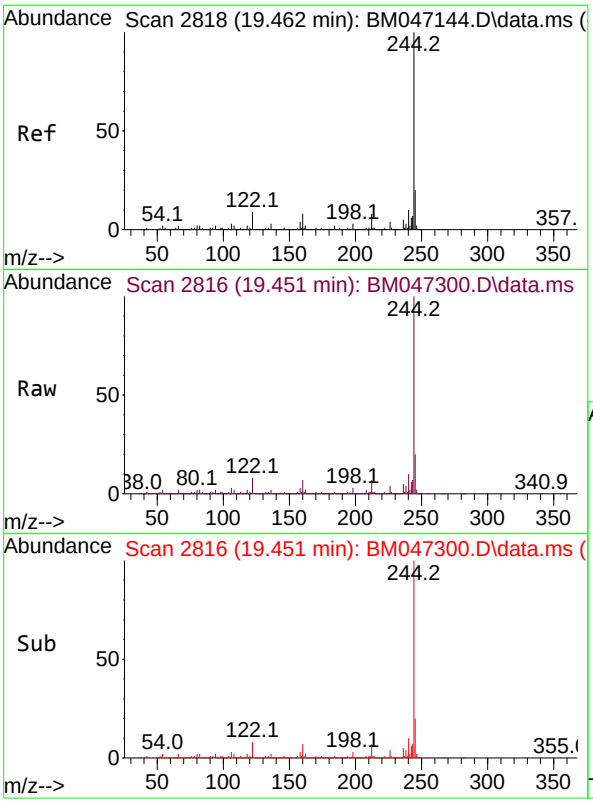


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Tgt Ion:240 Resp: 1105591

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	25.4	20.6	30.8



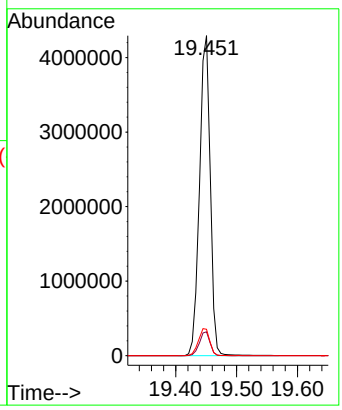


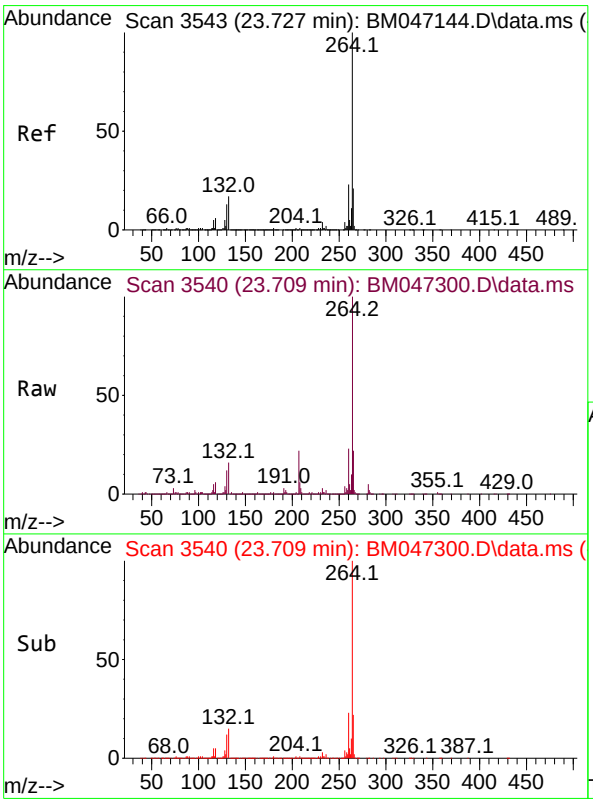
#79
Terphenyl-d14
Concen: 102.105 ng
RT: 19.451 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324

Tgt Ion:244 Resp: 5268253

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	8.3	7.1	10.7

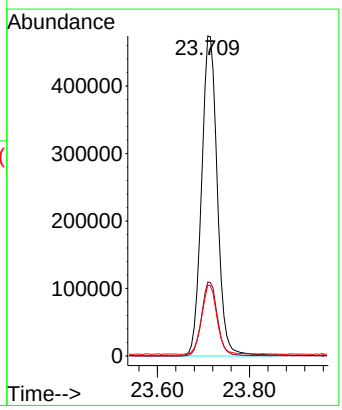




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047300.D
Acq: 21 Aug 2024 16:26

Tgt Ion:264 Resp: 1128272

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.2	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:	08/13/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/13/24
Client Sample ID:	918-J-WS-081324-FD	SDG No.:	P3596
Lab Sample ID:	P3596-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047298.D	1	08/14/24 08:25	08/21/24 15:06	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.4	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.92	U	0.92	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.20	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	5.20	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	5.20	ug/L
218-01-9	Chrysene	0.90	U	0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/13/24
Client Sample ID:	918-J-WS-081324-FD	SDG No.:	P3596
Lab Sample ID:	P3596-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047298.D	1	08/14/24 08:25	08/21/24 15:06	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	0.90	U	0.90	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	54.0		15 (10) - 110 (139)	36%	SPK: 150
13127-88-3	Phenol-d6	32.9		15 (10) - 110 (134)	22%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.3		30 (49) - 130 (133)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		30 (52) - 130 (132)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	171	*	15 (44) - 110 (137)	114%	SPK: 150
1718-51-0	Terphenyl-d14	102		30 (48) - 130 (125)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	190000	7.352			
1146-65-2	Naphthalene-d8	707000	10.11			
15067-26-2	Acenaphthene-d10	486000	14.016			
1517-22-2	Phenanthrene-d10	1100000	16.78			
1719-03-5	Chrysene-d12	1200000	21.021			
1520-96-3	Perylene-d12	1270000	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\BM082124\
Data File : BM047298.D
Acq On : 21 Aug 2024 15:06
Operator : RC/JU
Sample : P3596-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Quant Time: Aug 21 15:54:11 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

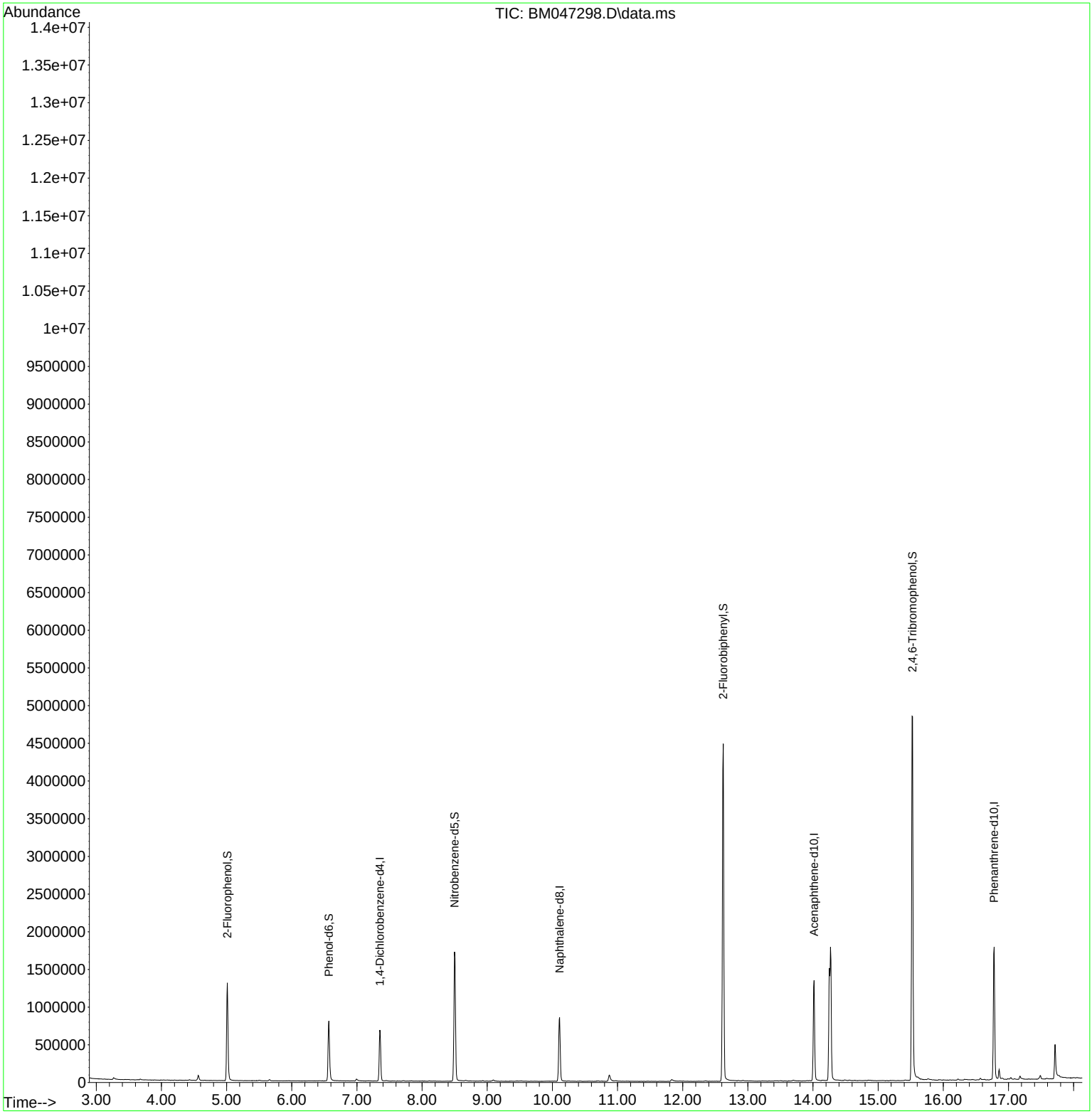
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.352	152	190222	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	707486	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	485993	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1096795	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1199656	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1267202	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.011	112	575347	54.045	ng	-0.01
7) Phenol-d6	6.569	99	482583	32.898	ng	-0.02
23) Nitrobenzene-d5	8.499	82	1016396	72.339	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	965595	171.352	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	2437748	77.373	ng	-0.02
79) Terphenyl-d14	19.451	244	5709708	101.984	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047298.D
Acq On : 21 Aug 2024 15:06
Operator : RC/JU
Sample : P3596-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

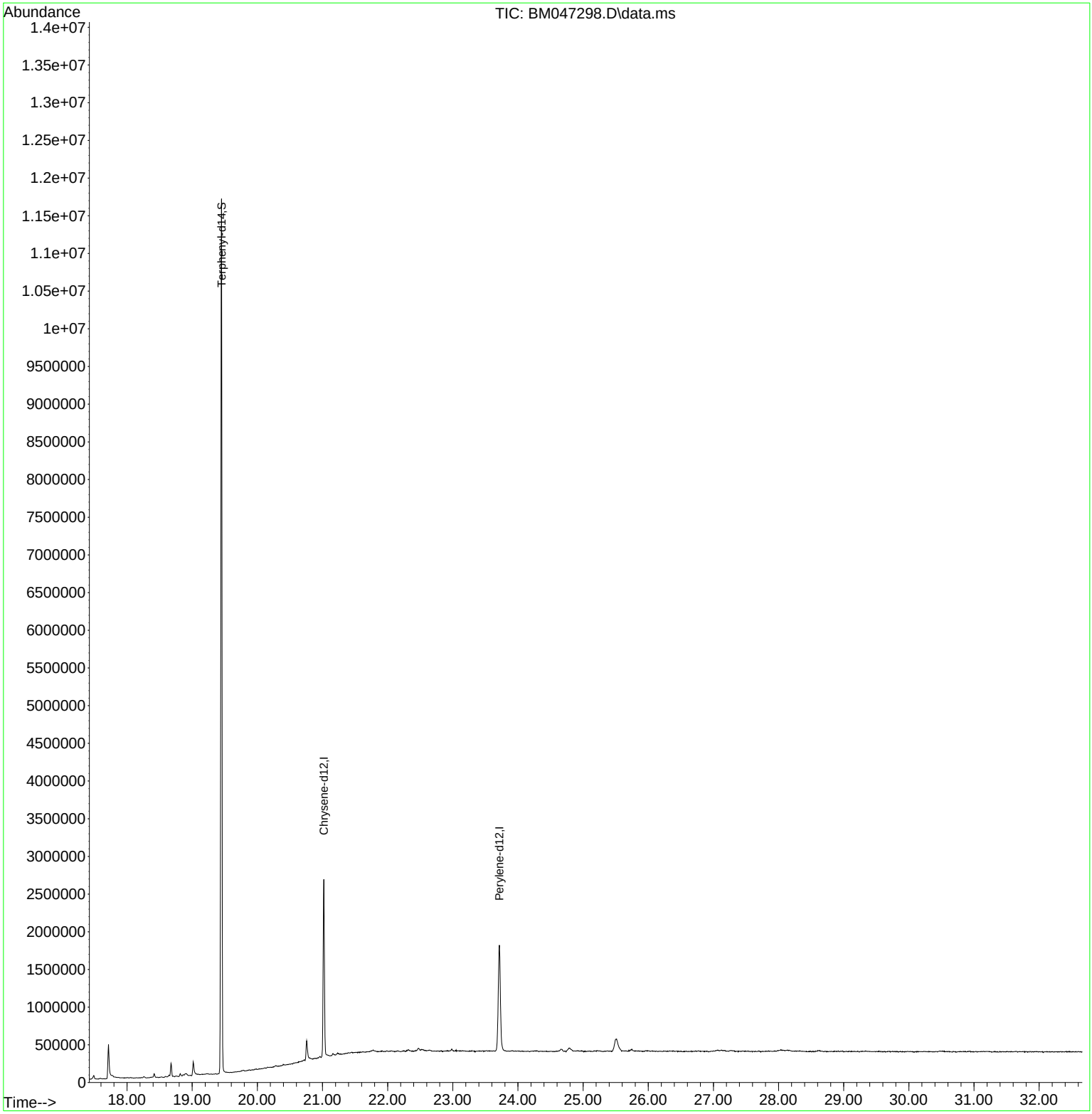
Quant Time: Aug 21 15:54:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

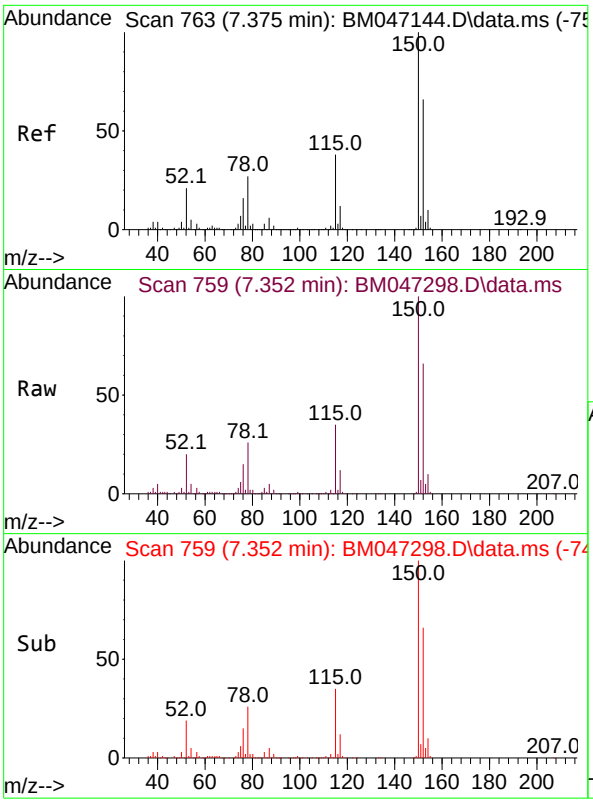


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047298.D
Acq On : 21 Aug 2024 15:06
Operator : RC/JU
Sample : P3596-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Quant Time: Aug 21 15:54:11 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



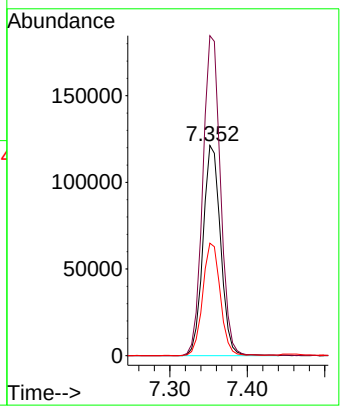


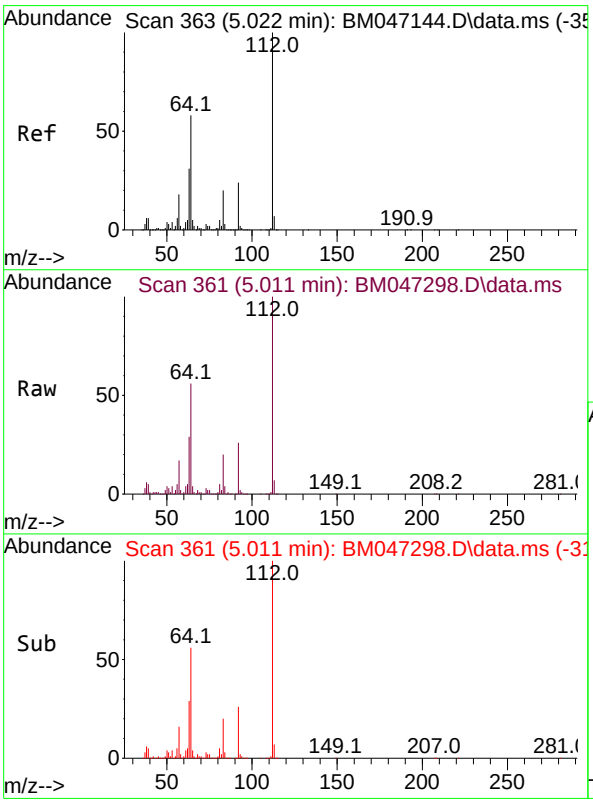
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.352 min Scan# 7
Delta R.T. -0.023 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Tgt Ion:152 Resp: 190222

Ion	Ratio	Lower	Upper
152	100		
150	152.2	120.5	180.7
115	53.5	45.5	68.3

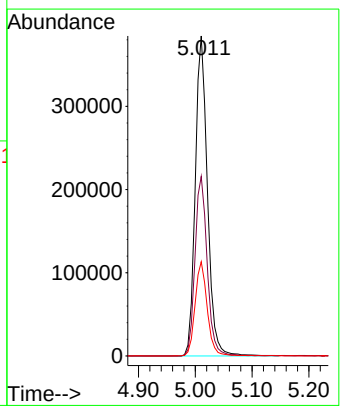


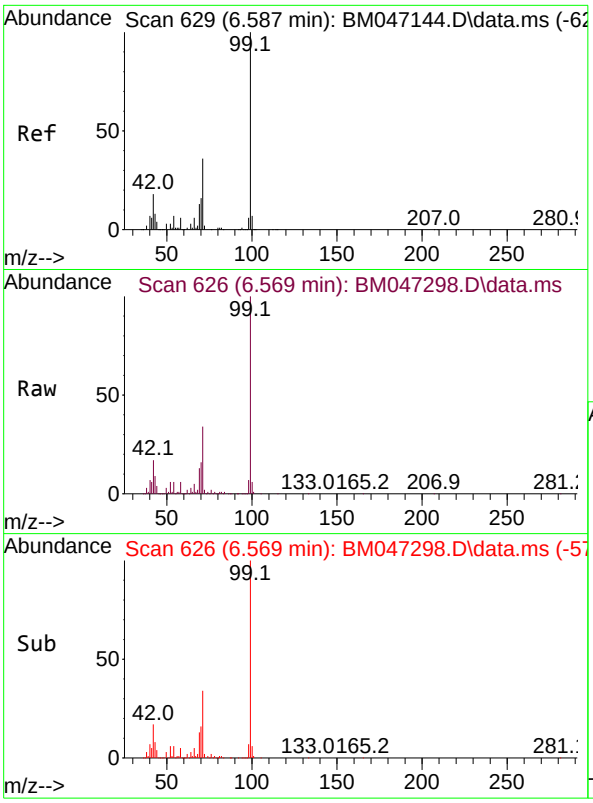


#5
2-Fluorophenol
Concen: 54.045 ng
RT: 5.011 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Tgt Ion:112 Resp: 575347

Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.7	70.1
63	29.5	24.8	37.2



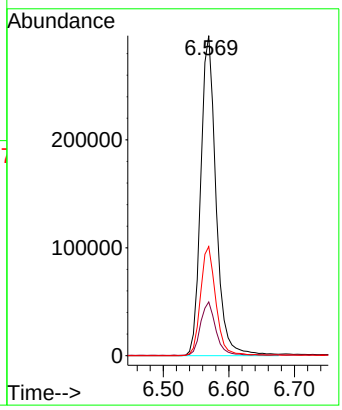


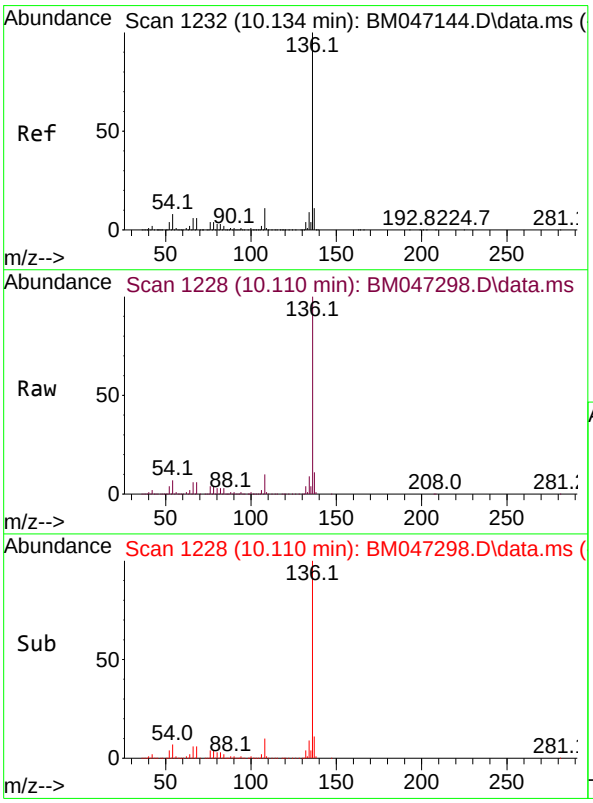
#7
Phenol-d6
Concen: 32.898 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Tgt Ion: 99 Resp: 482583

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.1	21.1
71	34.1	28.5	42.7

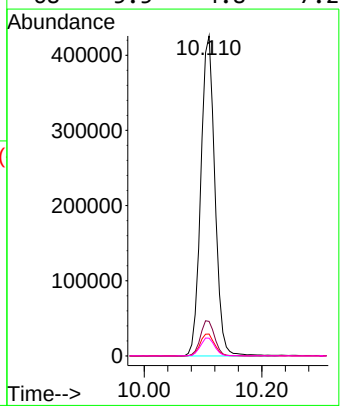


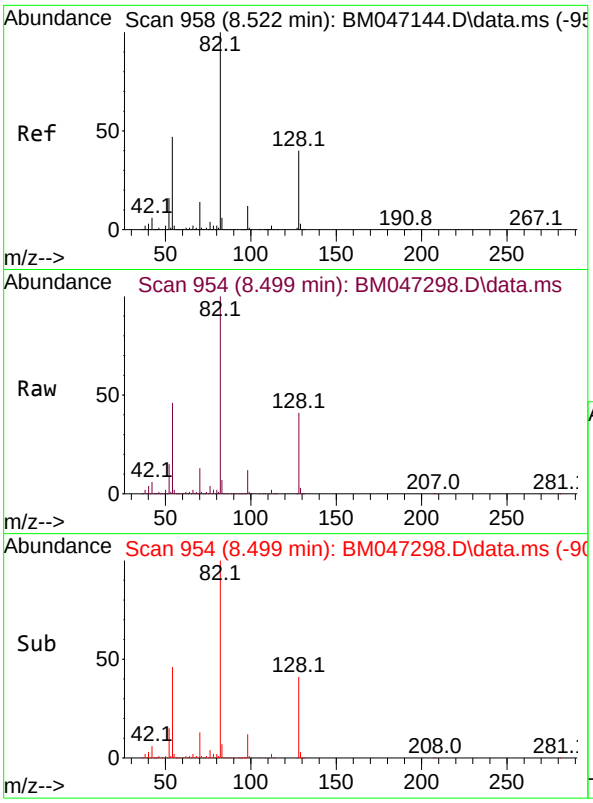


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.023 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Tgt Ion:136 Resp: 707486

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.8	6.0	9.0
68	5.5	4.8	7.2



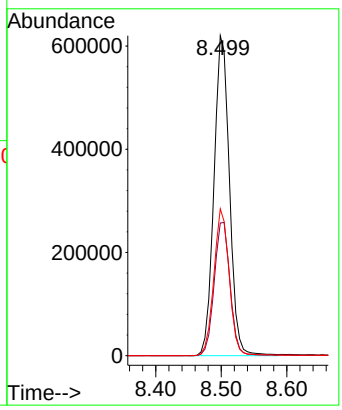


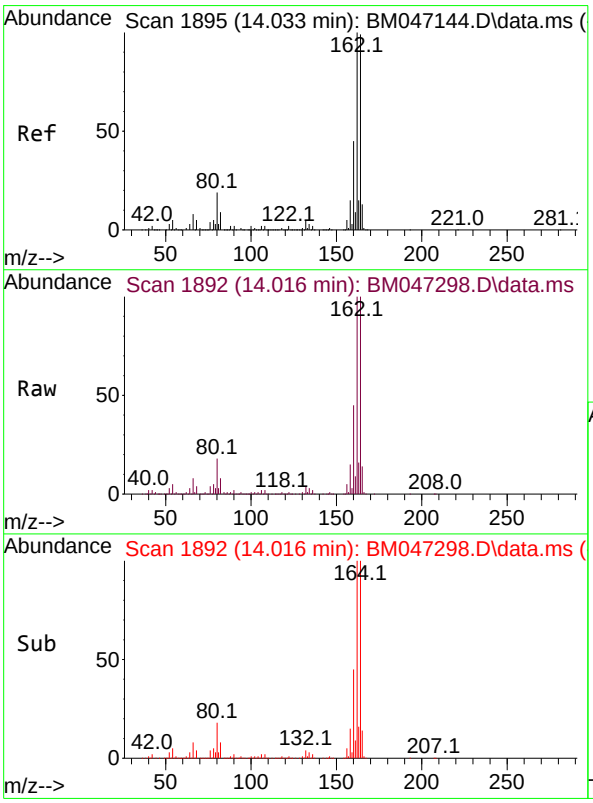
#23
Nitrobenzene-d5
Concen: 72.339 ng
RT: 8.499 min Scan# 9
Delta R.T. -0.023 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Tgt Ion: 82 Resp: 1016396

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.3	48.5
54	45.9	37.4	56.2

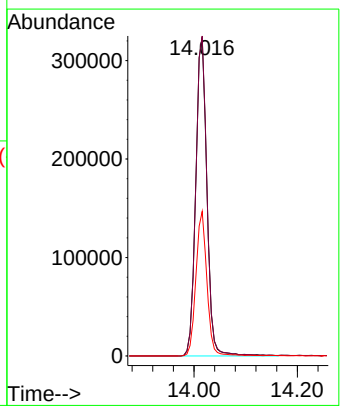


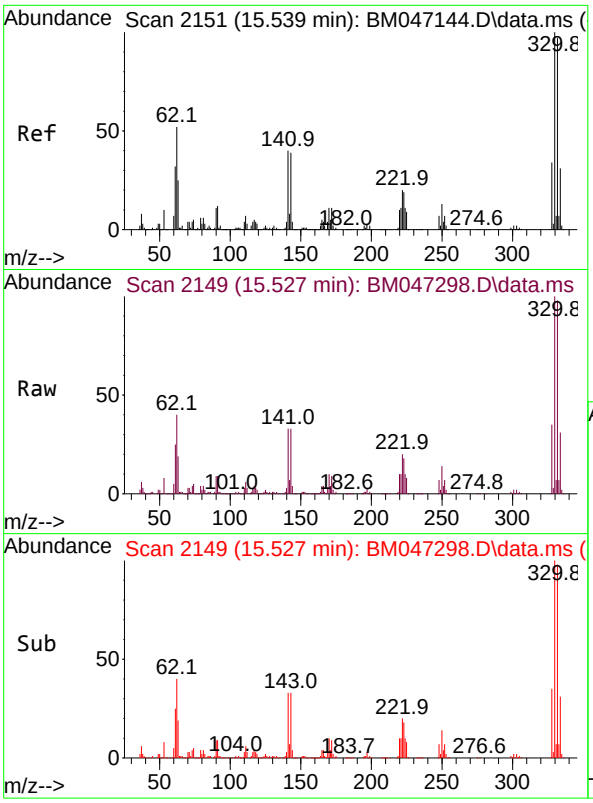


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Tgt Ion:164 Resp: 485993

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.7	121.1
160	45.3	36.0	54.0



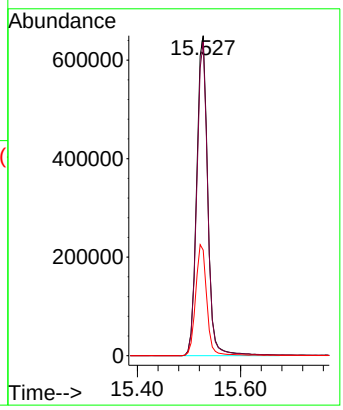


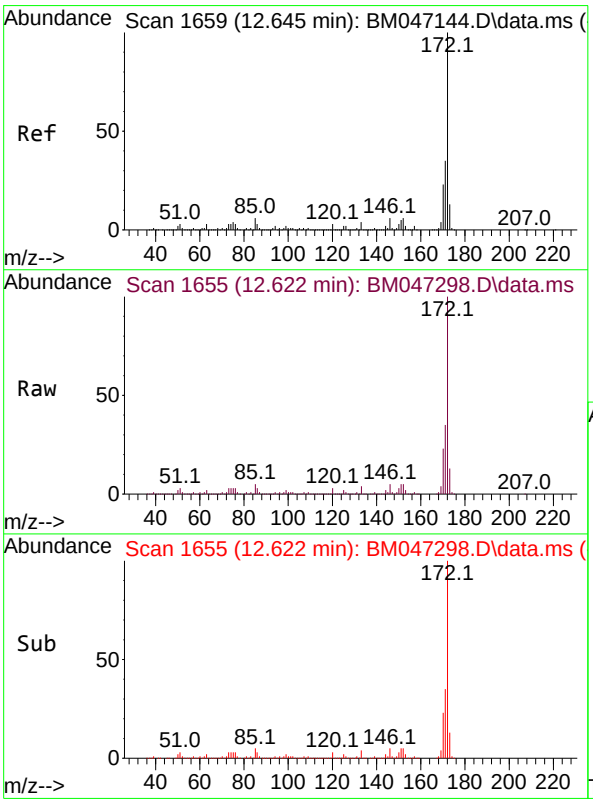
#42
2,4,6-Tribromophenol
Concen: 171.352 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Tgt Ion:330 Resp: 965595

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.4	116.2
141	34.9	31.6	47.4

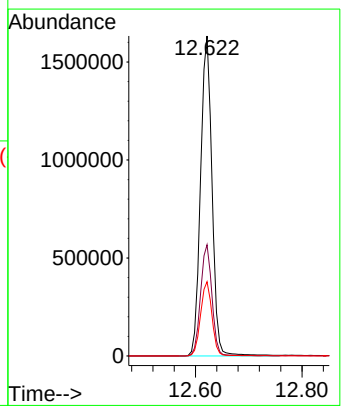


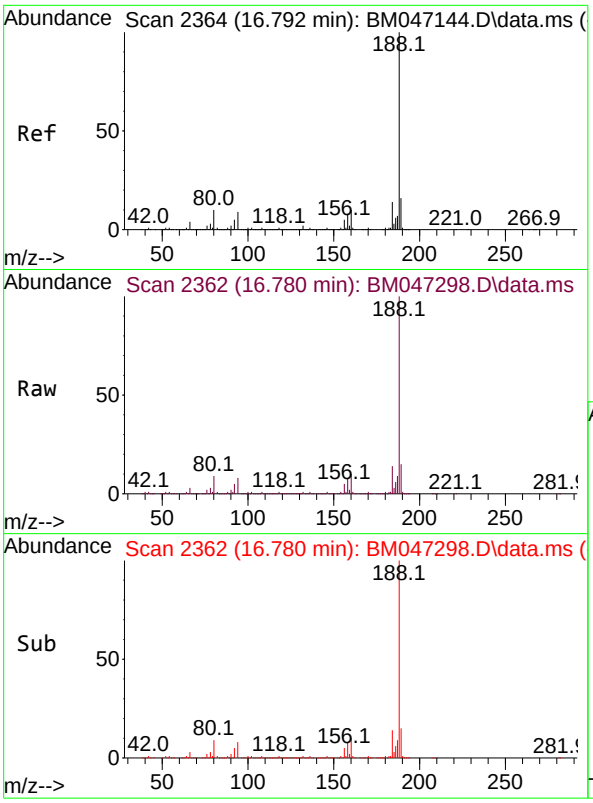


#45
2-Fluorobiphenyl
Concen: 77.373 ng
RT: 12.622 min Scan# 1655
Delta R.T. -0.023 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Tgt Ion:172 Resp: 2437748

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



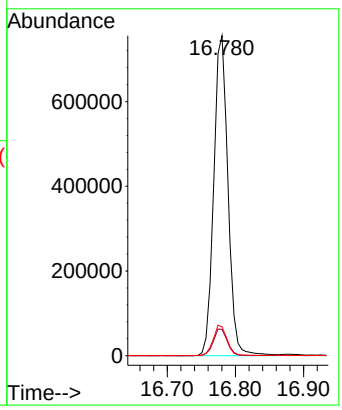


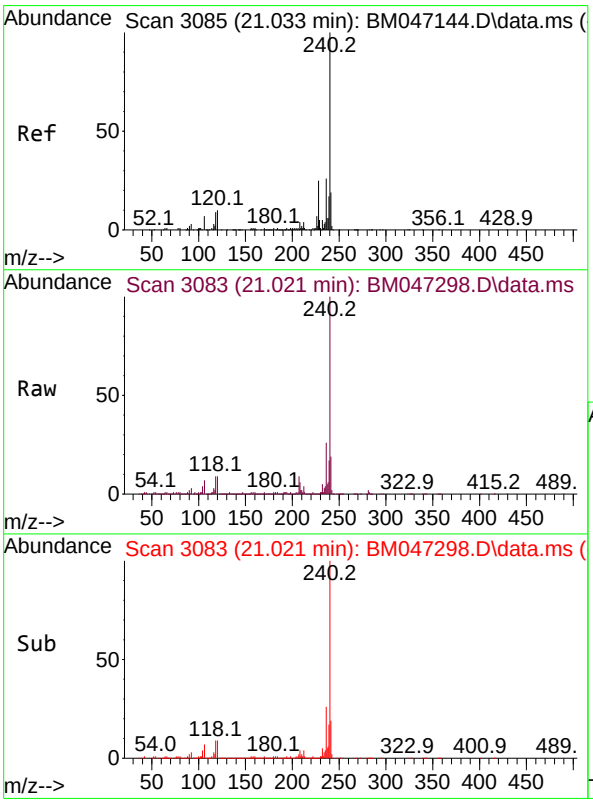
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Tgt Ion:188 Resp: 1096795

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	9.0	8.0	12.0

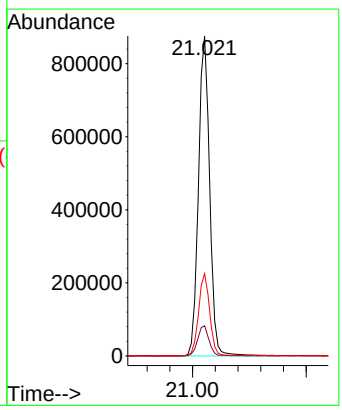


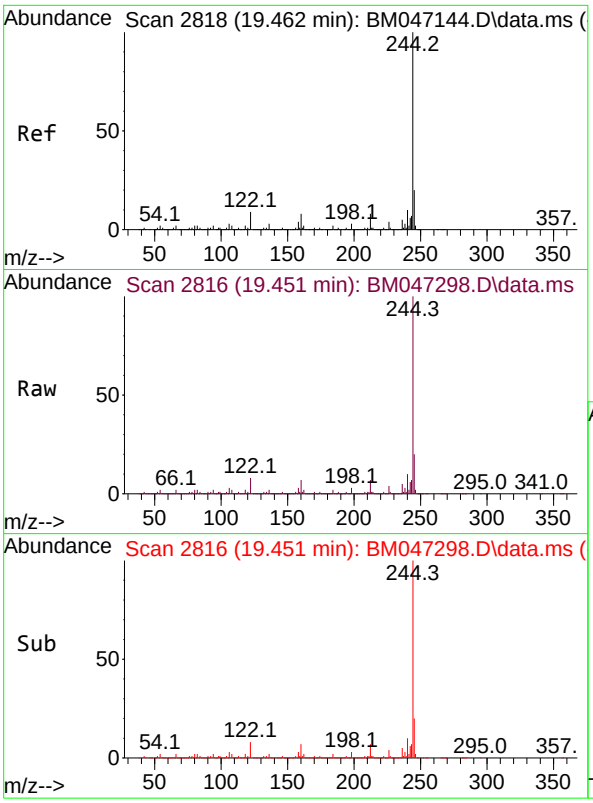


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Tgt Ion:240 Resp: 1199656

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.7	20.6	30.8



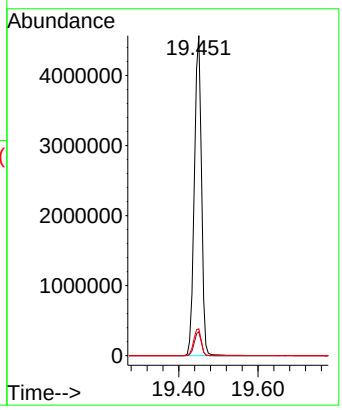


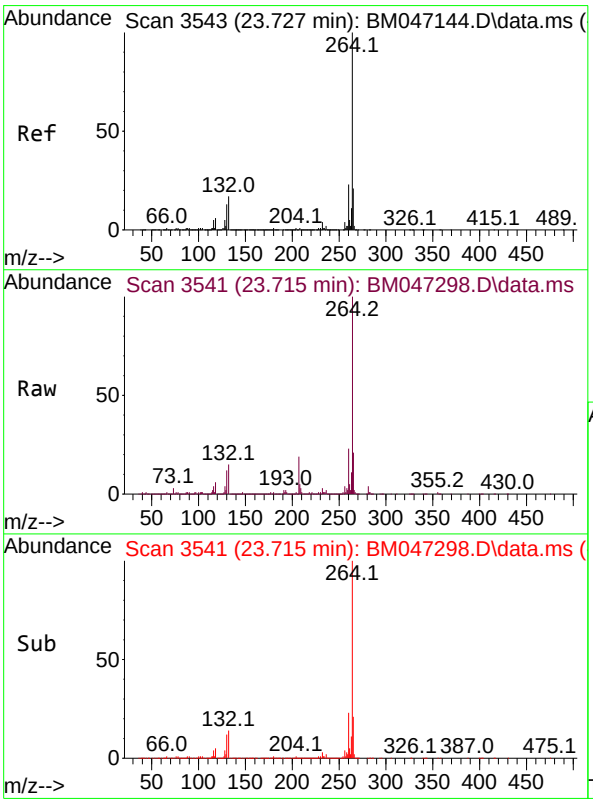
#79
Terphenyl-d14
Concen: 101.984 ng
RT: 19.451 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Instrument :
BNA_M
ClientSampleId :
918-J-WS-081324-FD

Tgt Ion:244 Resp: 5709708

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.4
122	8.4	7.1	10.7

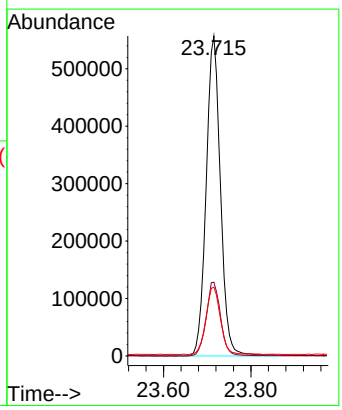




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BM047298.D
Acq: 21 Aug 2024 15:06

Tgt Ion:264 Resp: 1267202

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.5	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

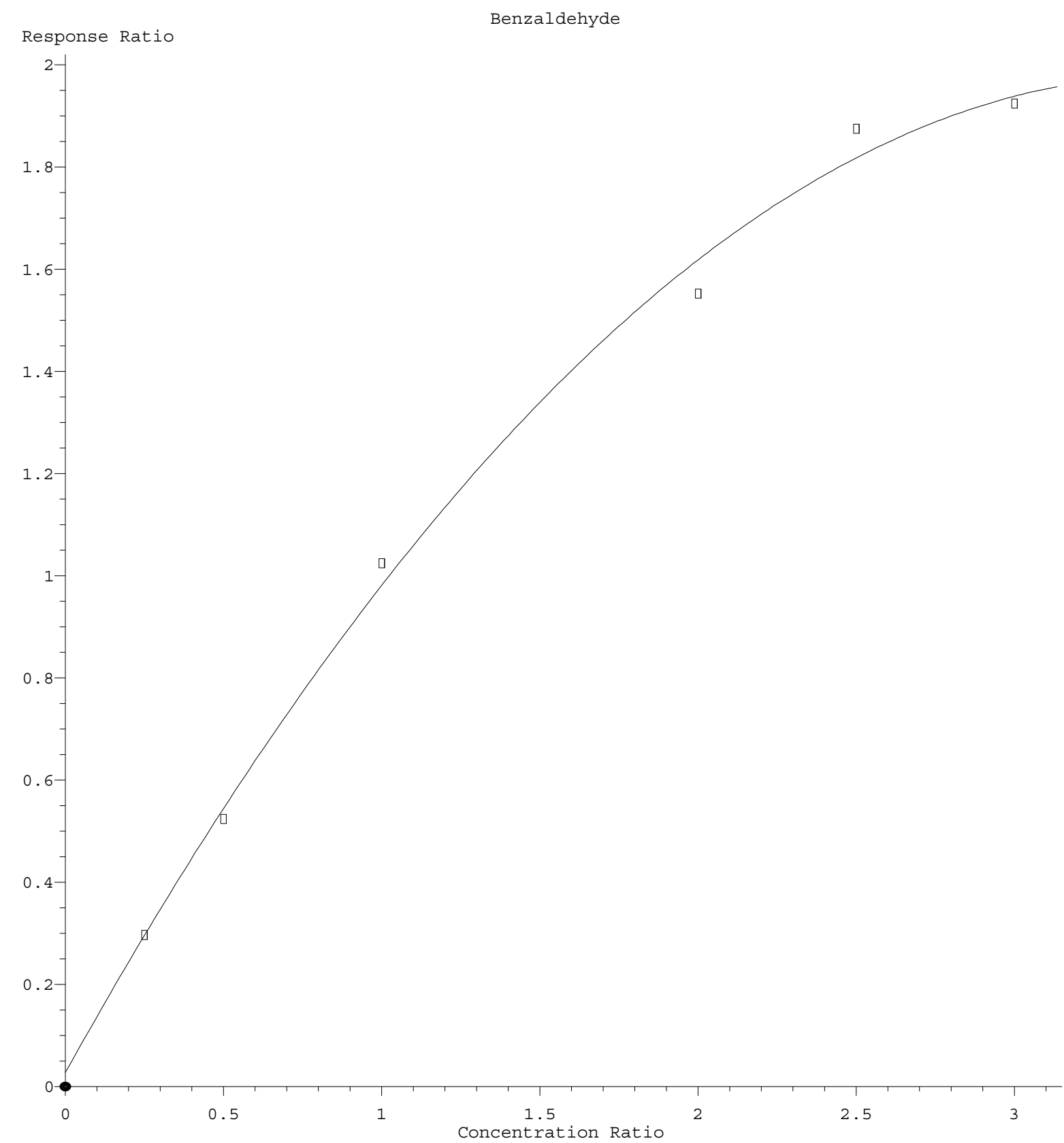
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M

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: C:\swpsrv\HPCHEM1\BNA M\Methods\8270-BM081024.M
Calibration Table Last Updated: Sun Aug 11 23:47:58 2024

Quantitation Report (QT Reviewed)

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

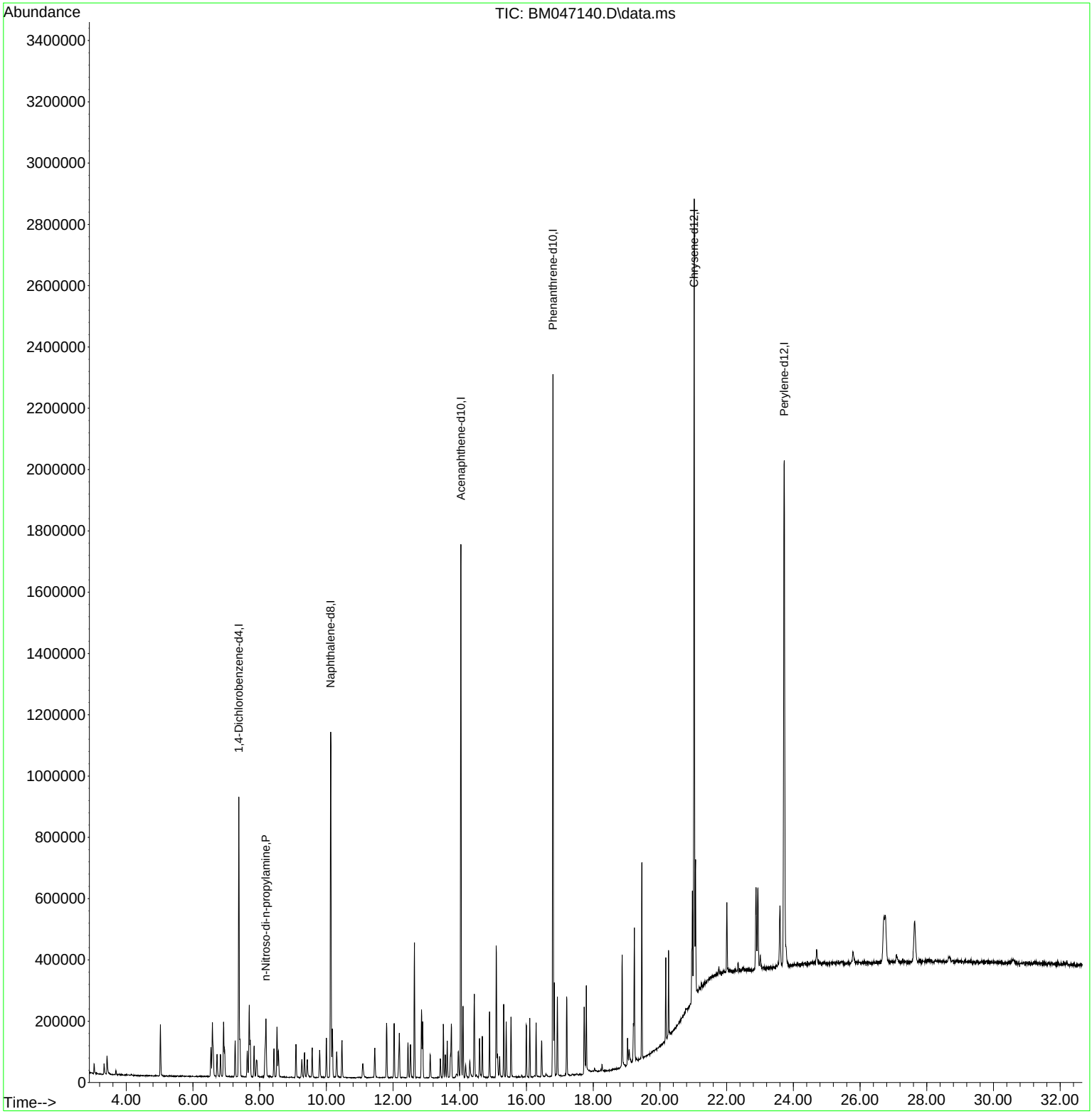
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	233543	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	912085	20.000	ng	0.00
39) Acenaphthene-d10	14.034	164	589187	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1231431	20.000	ng	0.00
76) Chrysene-d12	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

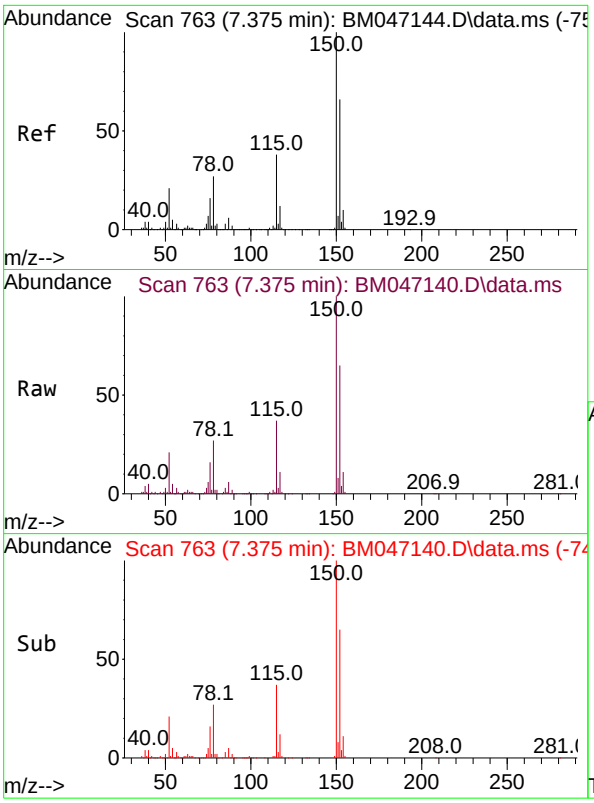
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



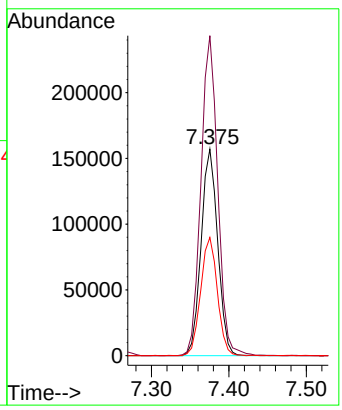


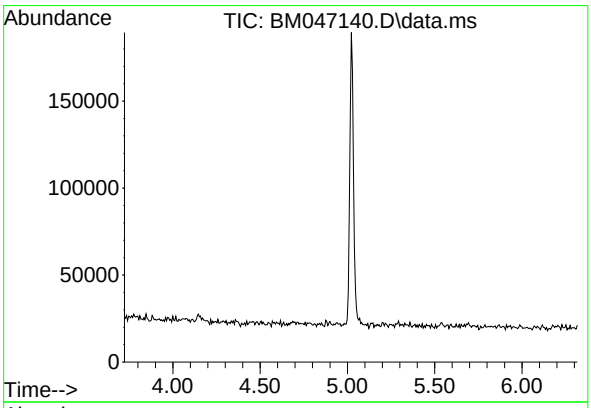
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

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



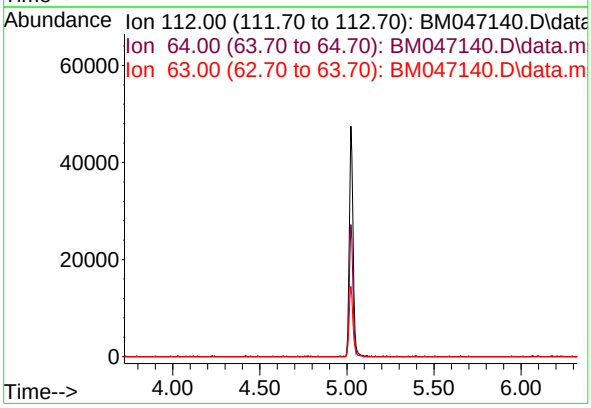


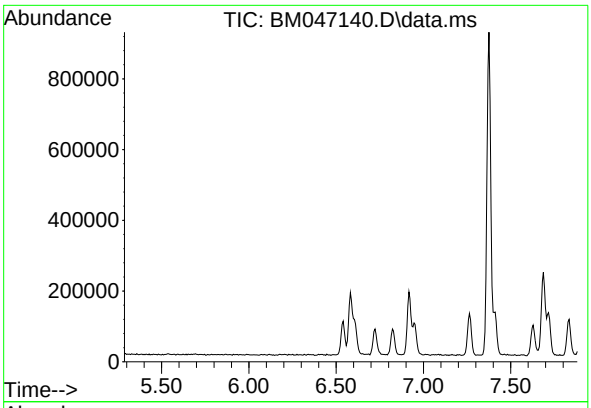
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.02 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.4
63	31.0





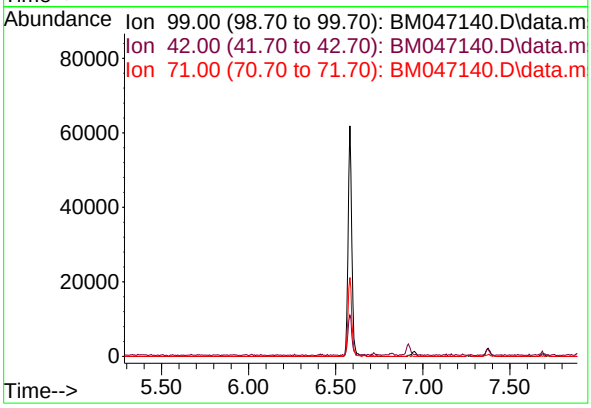
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min

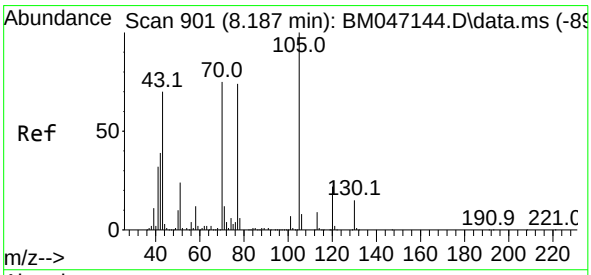
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

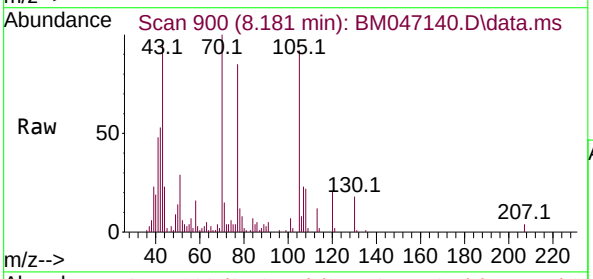
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

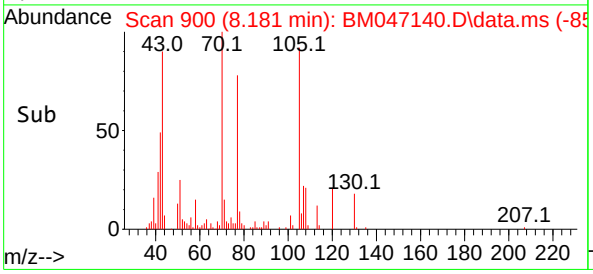
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.6
71	35.6





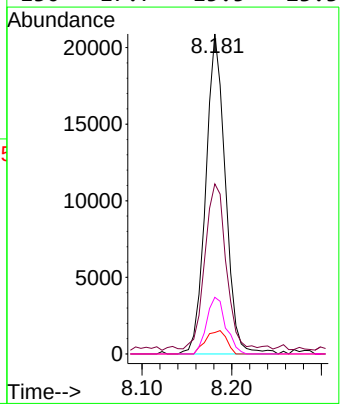


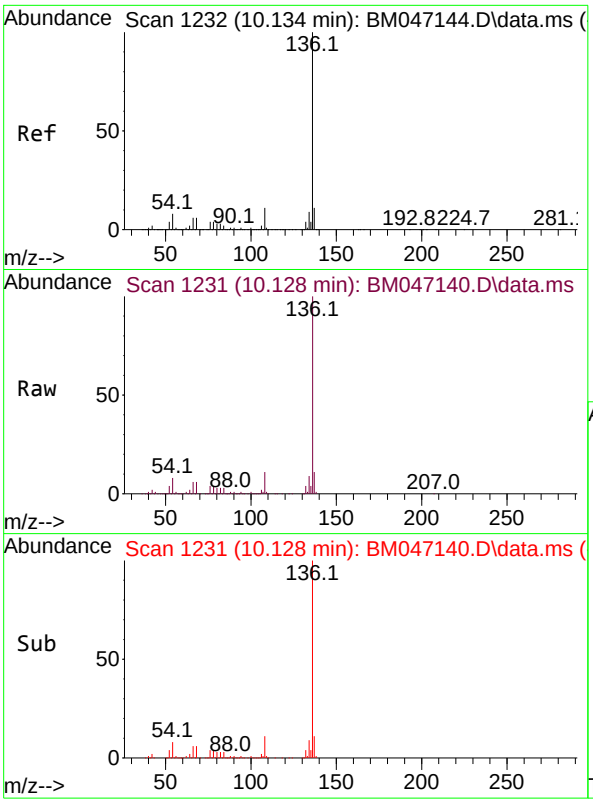


#19
n-Nitroso-di-n-propylamine
Concen: 2.617 ng
RT: 8.181 min Scan# 900
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

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



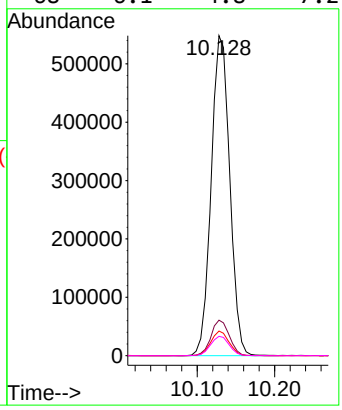


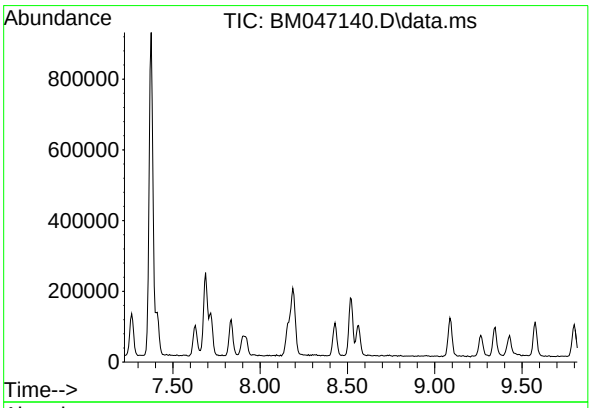
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

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



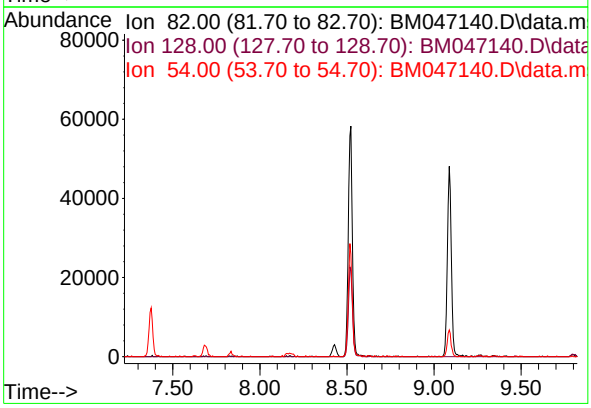


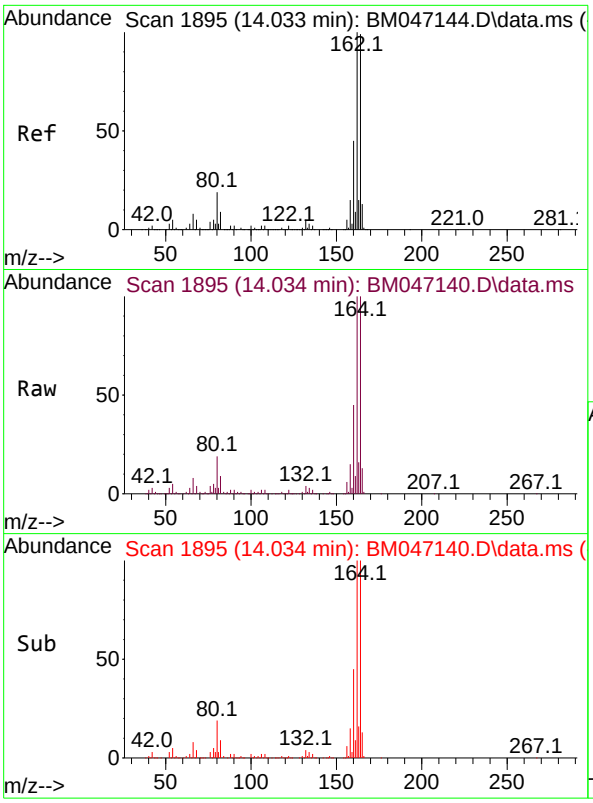
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.52 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	40.4
54	46.8



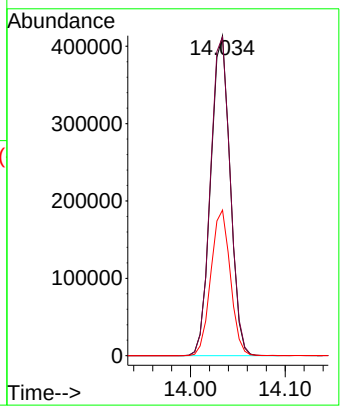


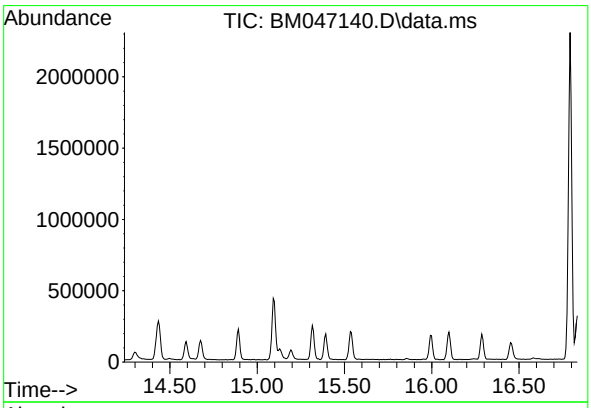
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

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



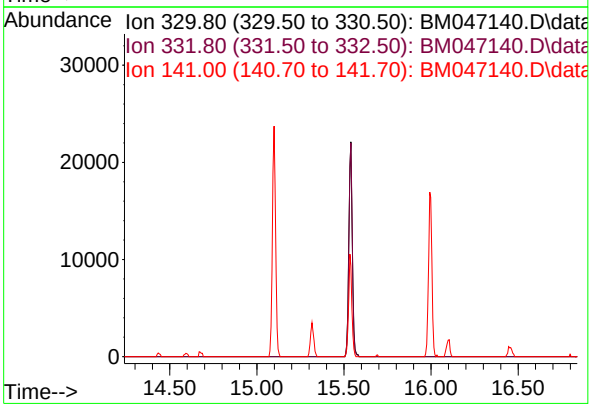


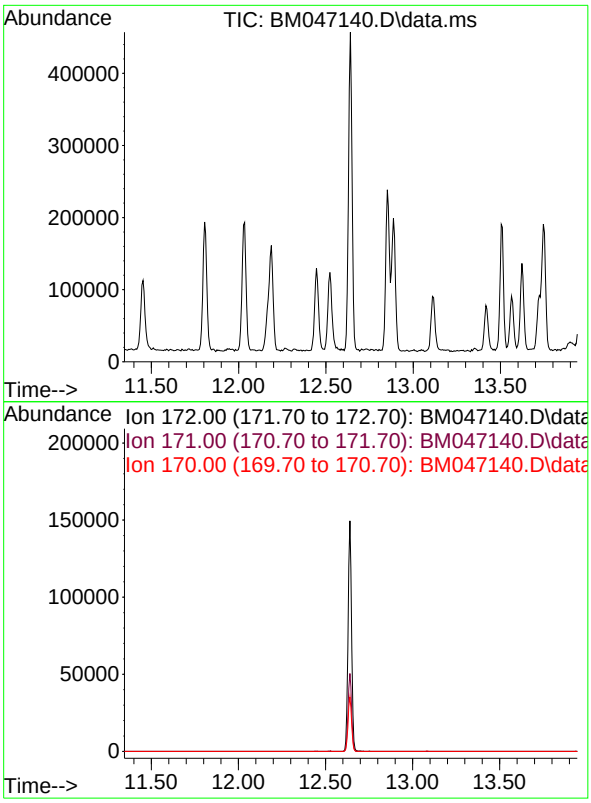
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.54 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	39.5





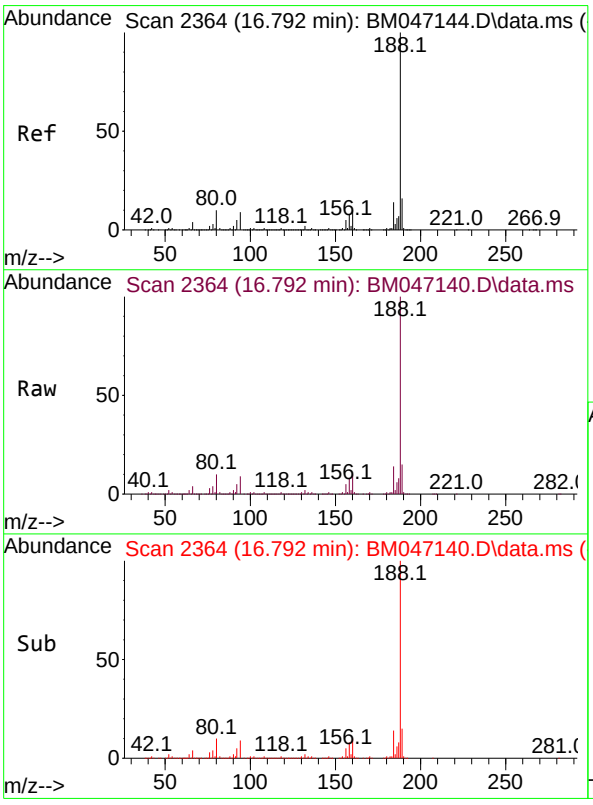
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.65 min

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

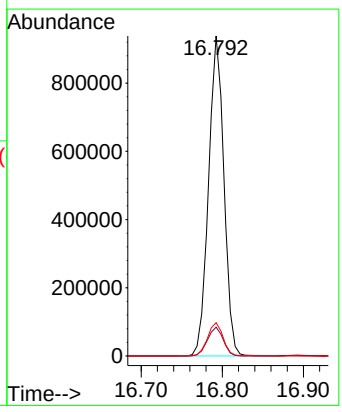
Sig	Exp Ratio
172	100
171	34.7
170	23.4

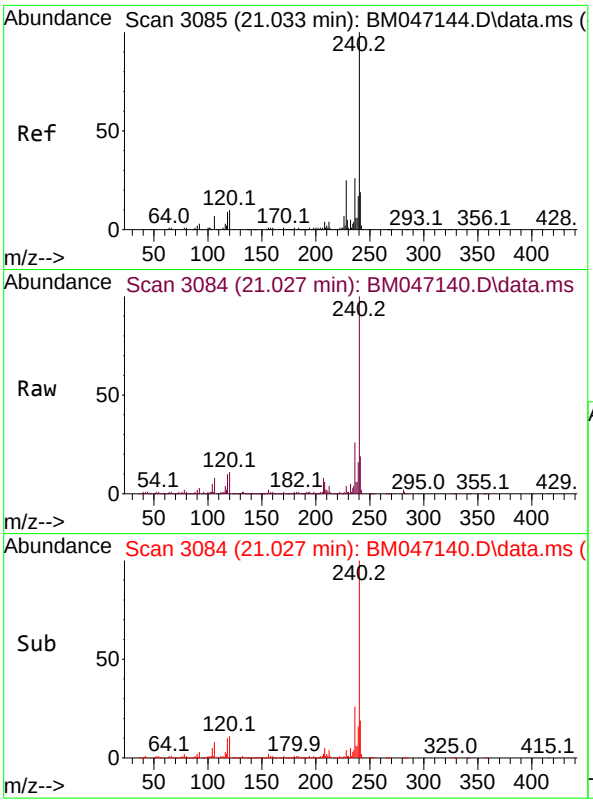


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

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



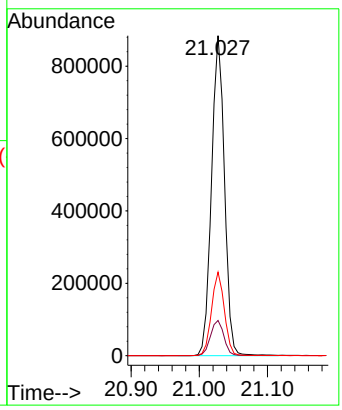


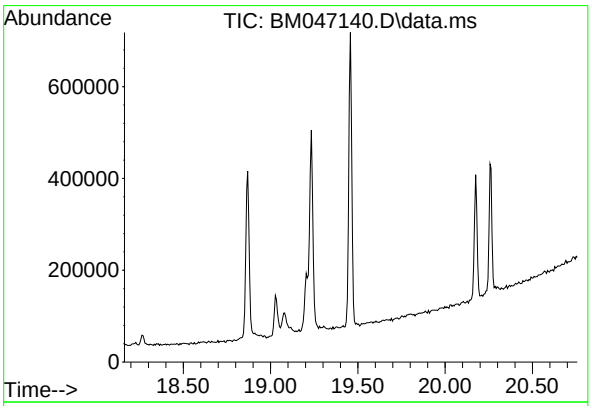
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

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



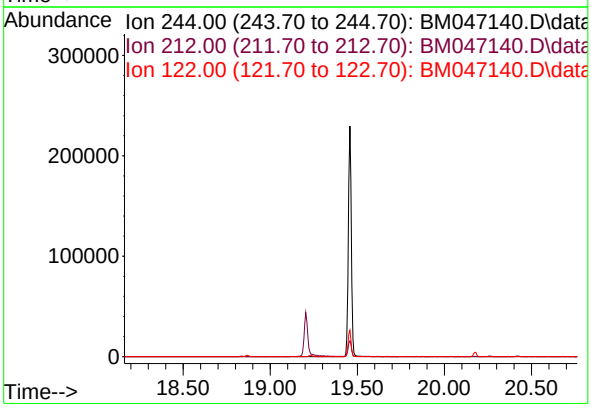


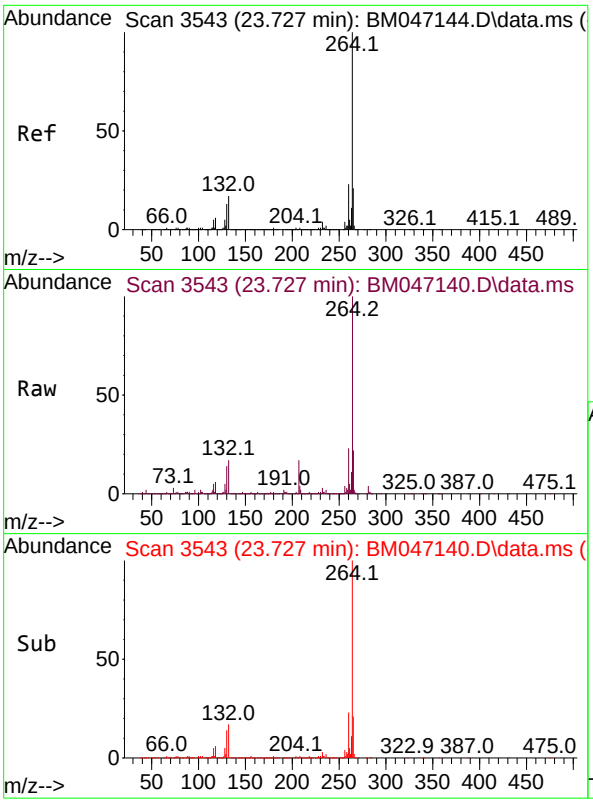
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.46 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.8
122	8.9



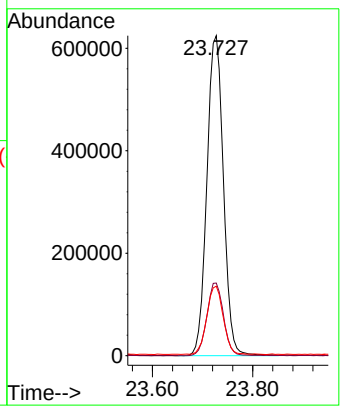


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

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



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

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

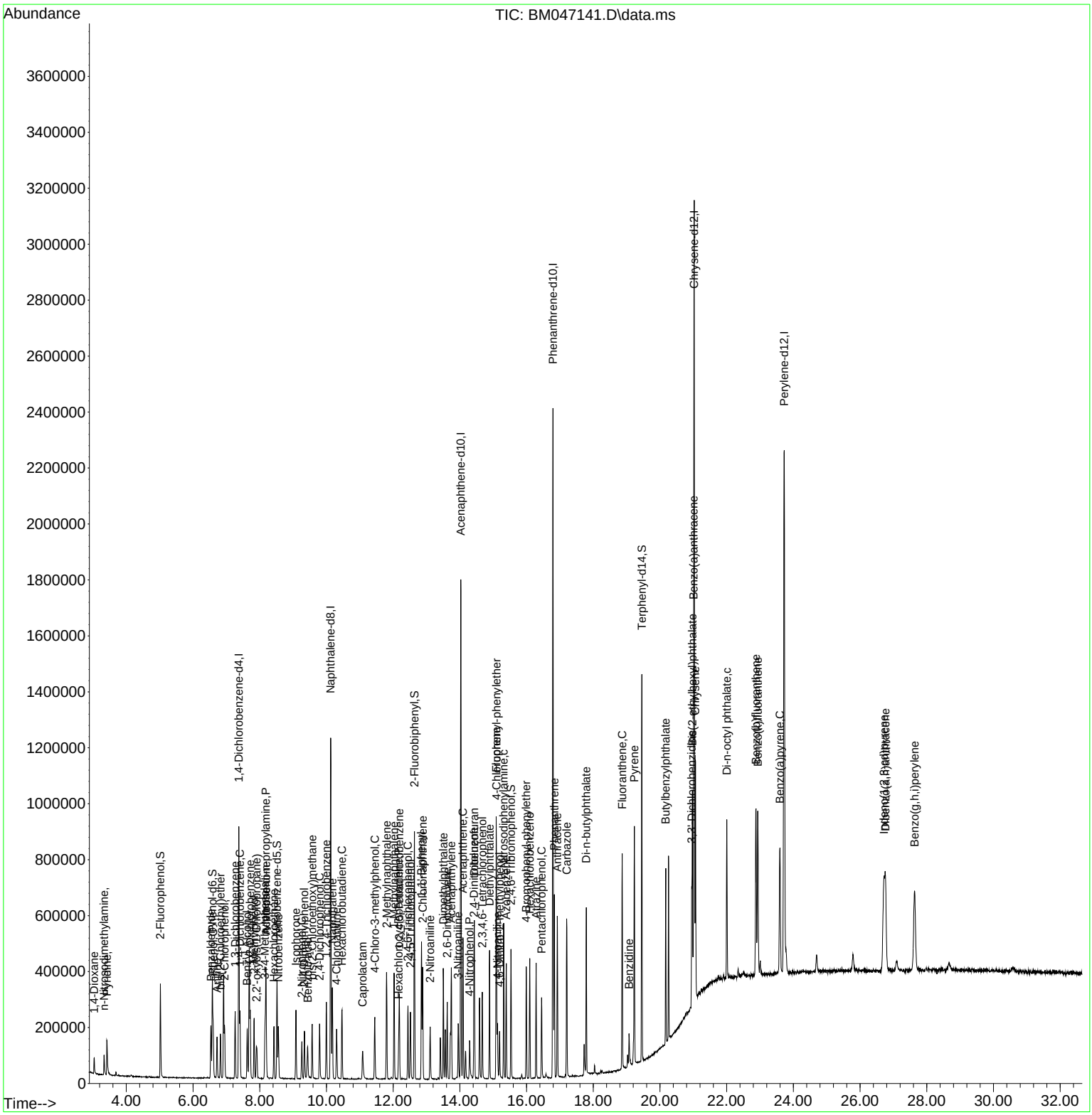
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	64621	4.765	ng	97
46) 1,1'-Biphenyl	12.851	154	242201	5.400	ng	98
47) 2-Chloronaphthalene	12.886	162	188590	5.380	ng	98
48) 2-Nitroaniline	13.110	65	50873	4.632	ng	91
49) Acenaphthylene	13.745	152	270677	5.238	ng	99
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

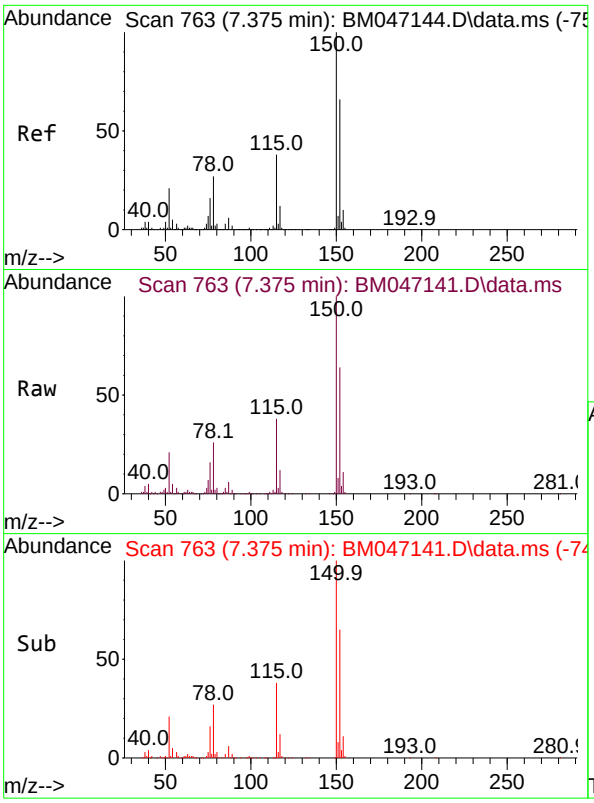
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



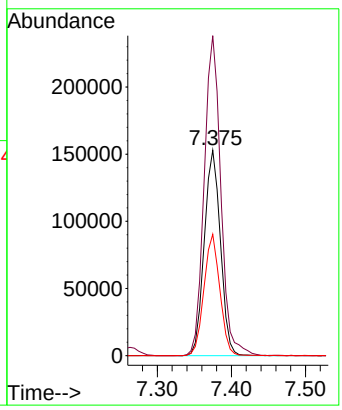


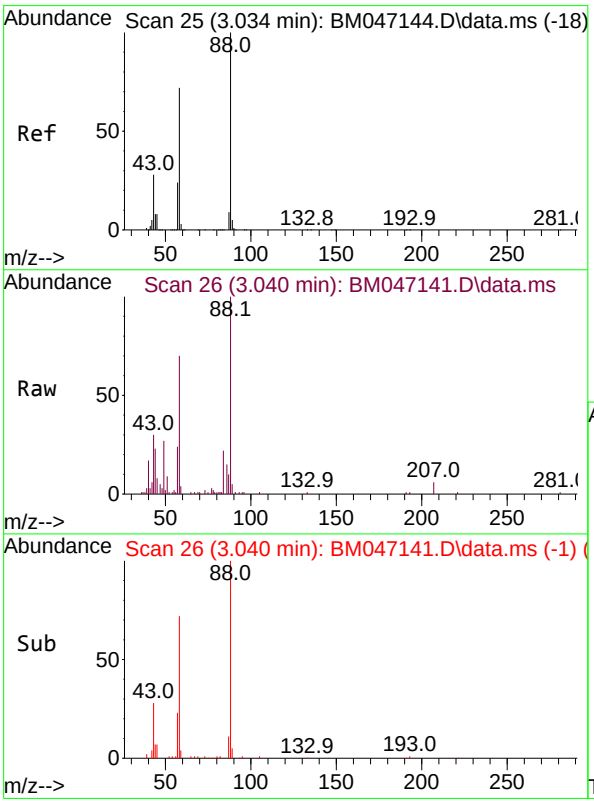
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

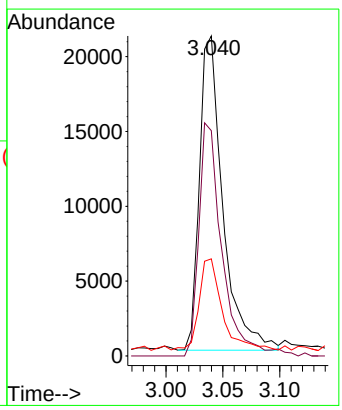


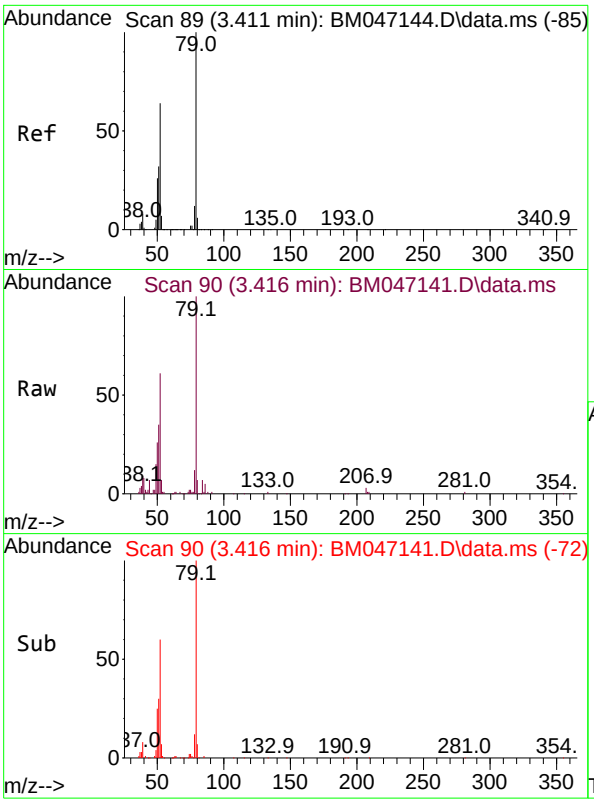


#2
1,4-Dioxane
Concen: 5.592 ng
RT: 3.040 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



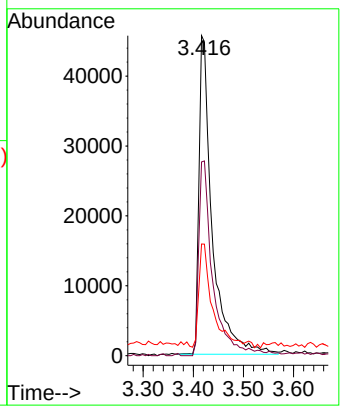


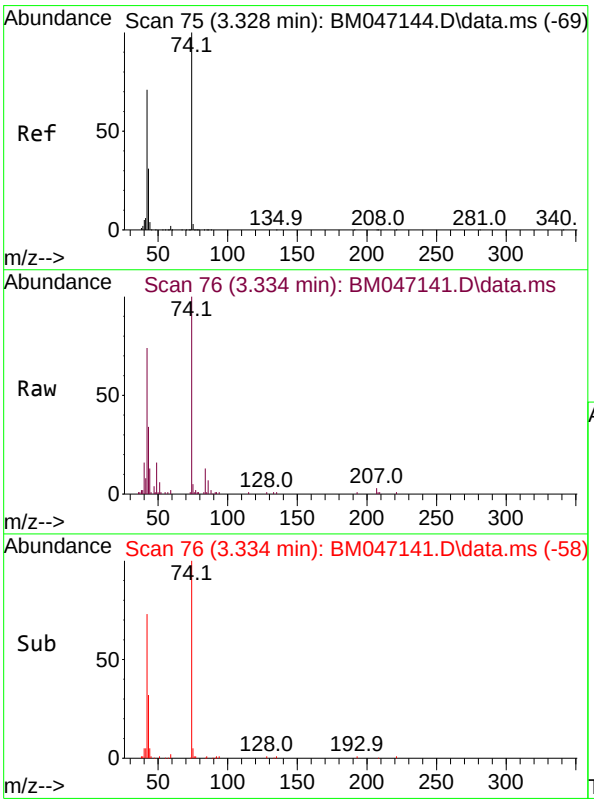
#3
Pyridine
Concen: 5.327 ng
RT: 3.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

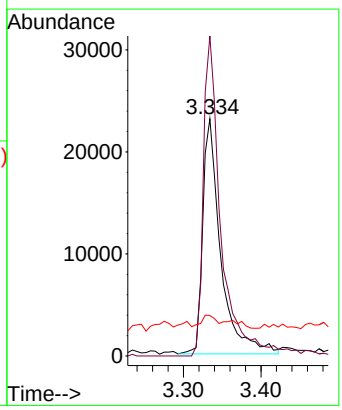


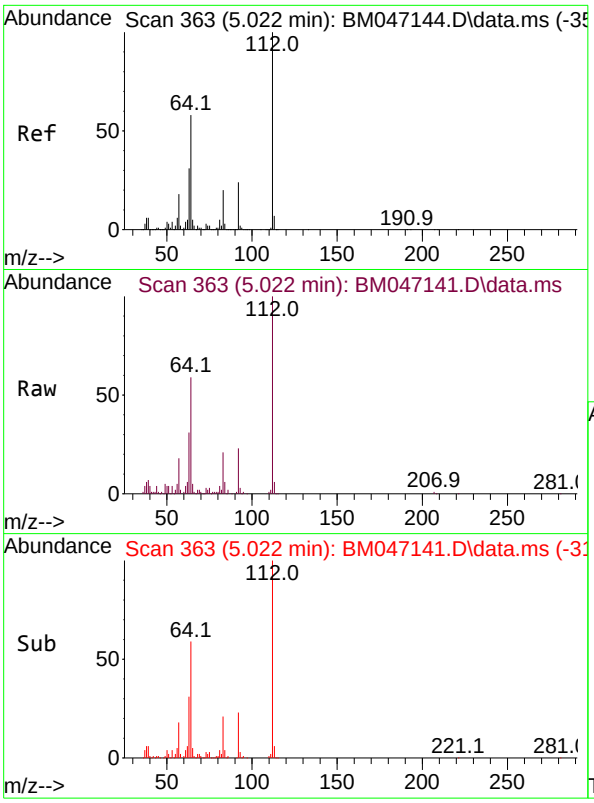


#4
n-Nitrosodimethylamine
Concen: 5.410 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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#



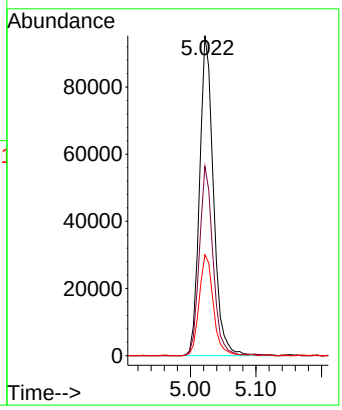


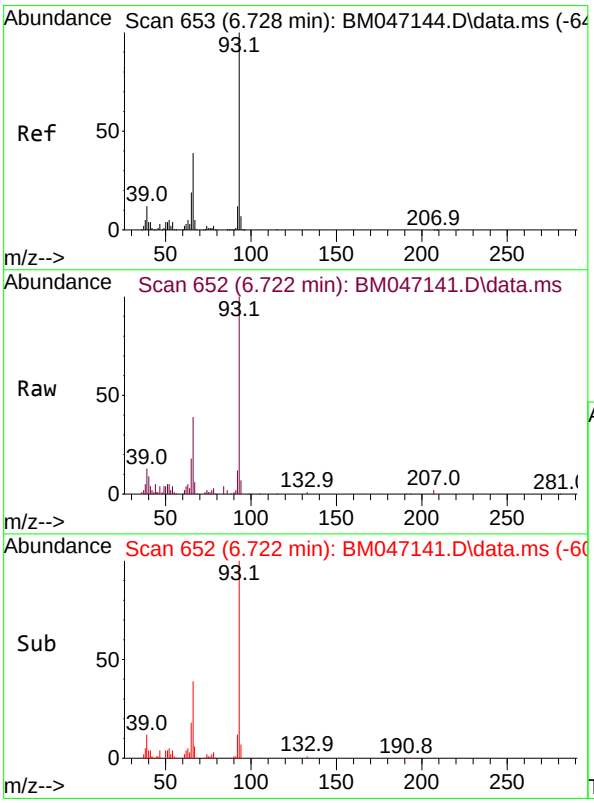
#5
2-Fluorophenol
Concen: 10.853 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

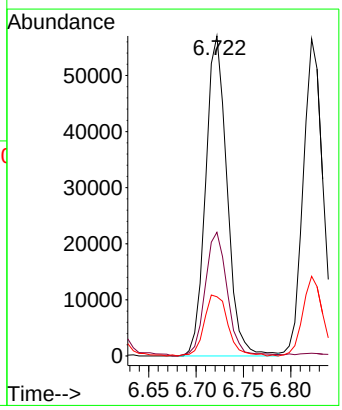


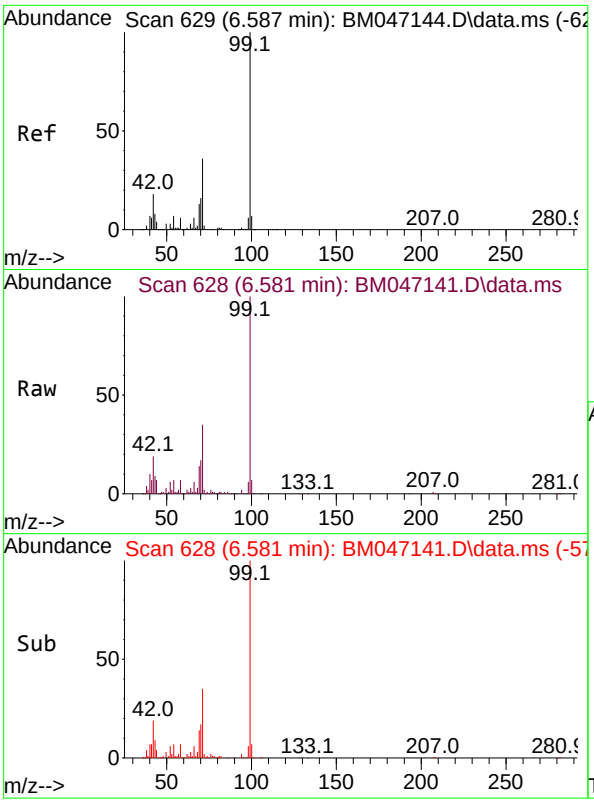


#6
Aniline
Concen: 5.303 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



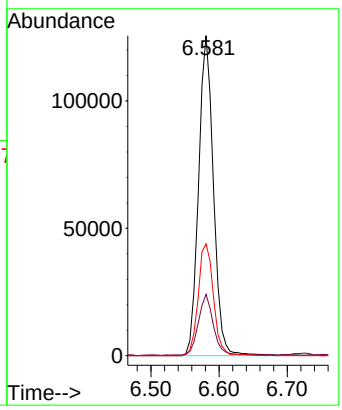


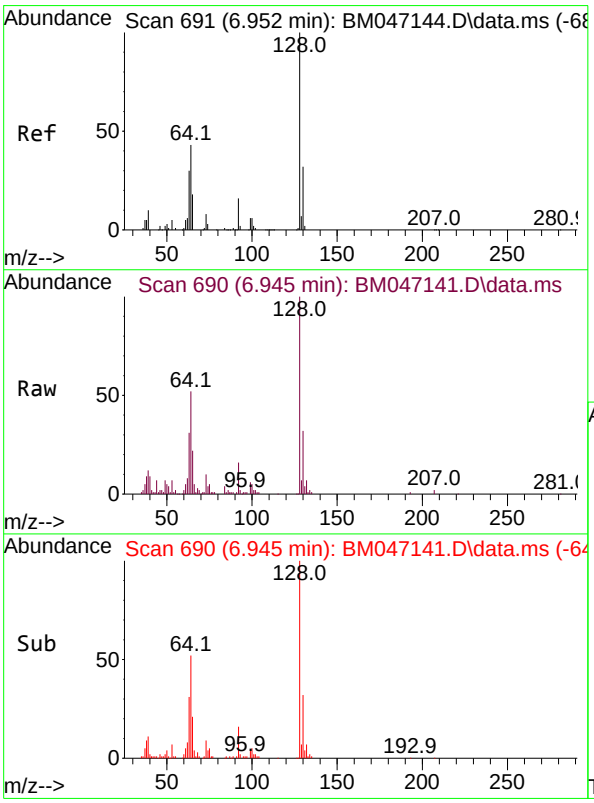
#7
Phenol-d6
Concen: 10.654 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

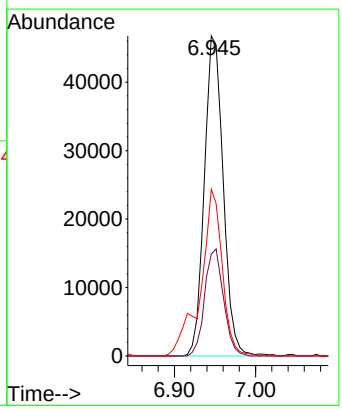


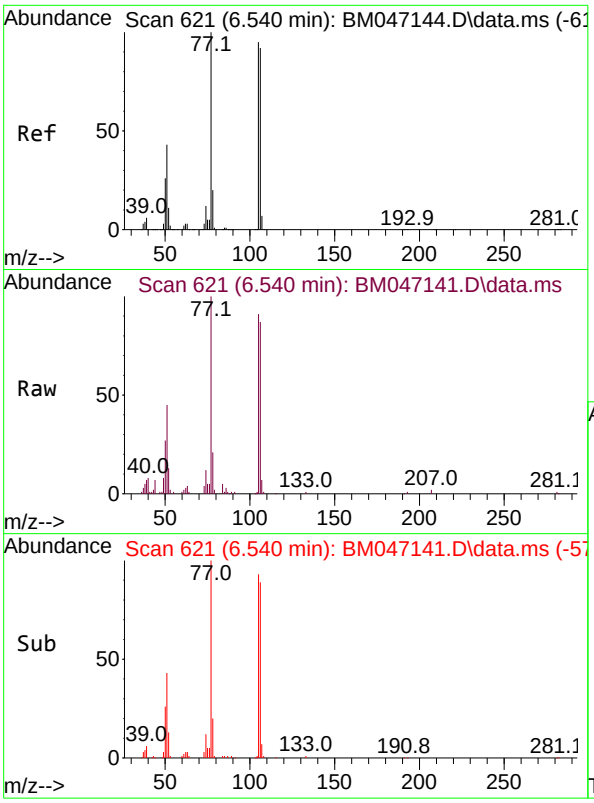


#8
2-Chlorophenol
Concen: 5.350 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



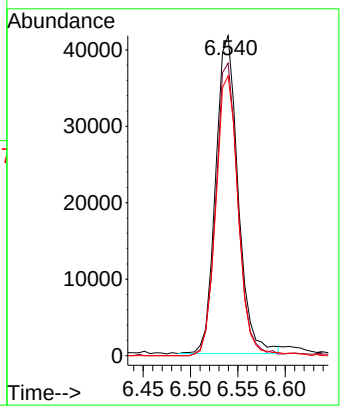


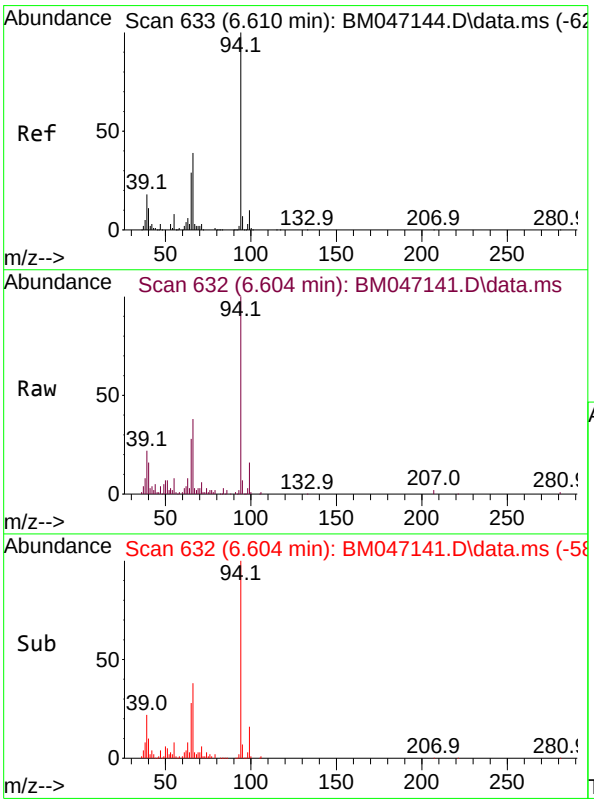
#9
Benzaldehyde
Concen: 5.019 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

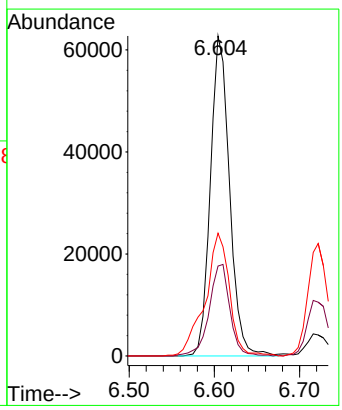


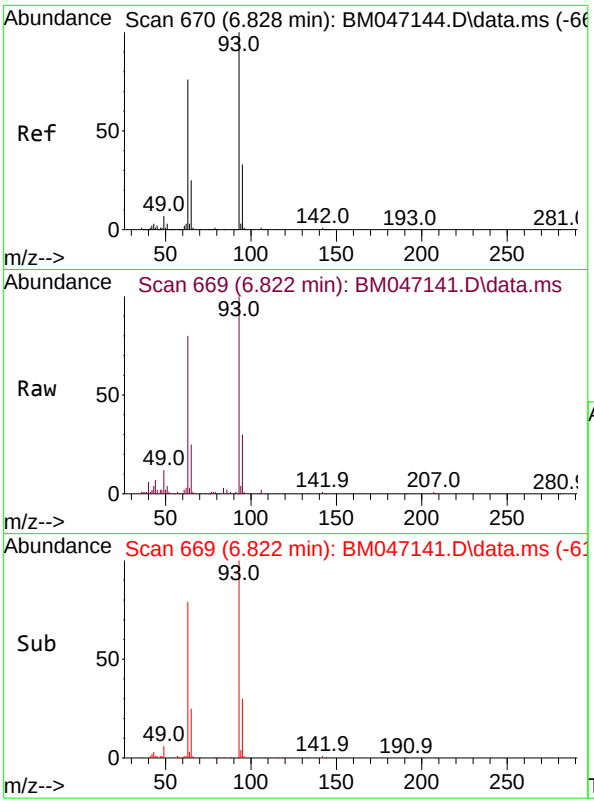


#10
Phenol
Concen: 5.506 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



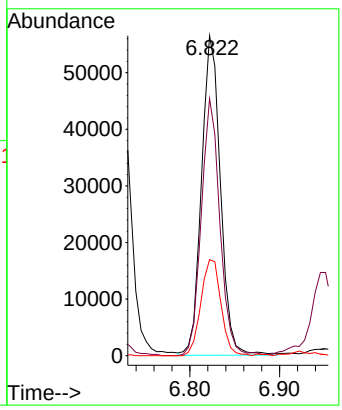


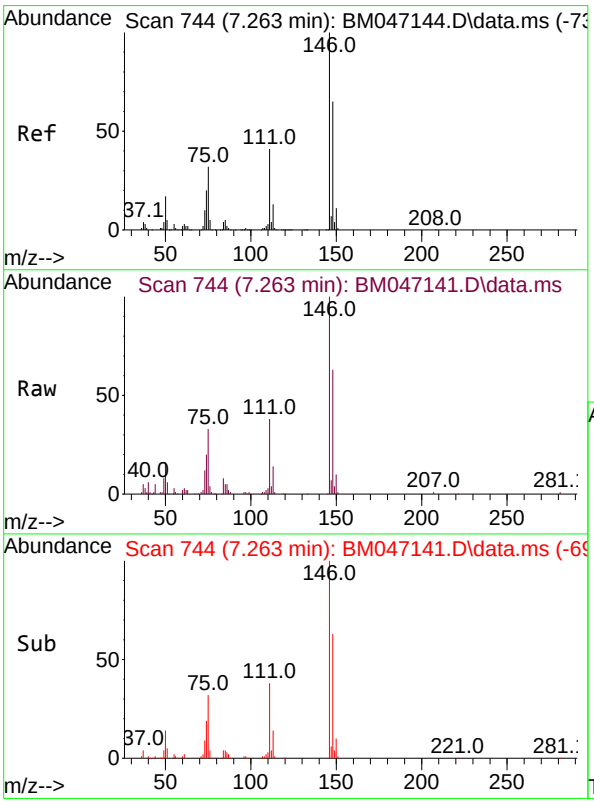
#11
bis(2-Chloroethyl)ether
Concen: 5.430 ng
RT: 6.822 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

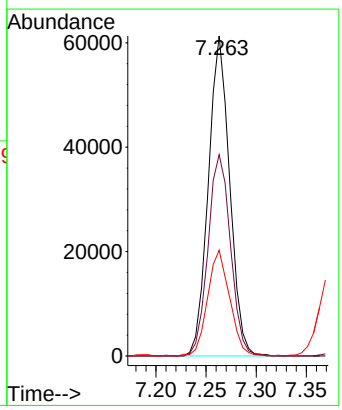


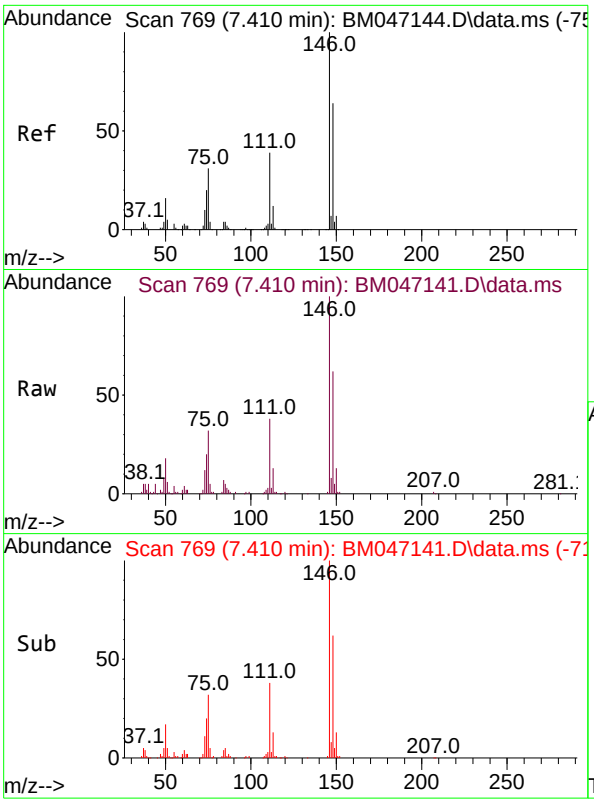


#12
1,3-Dichlorobenzene
Concen: 5.401 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



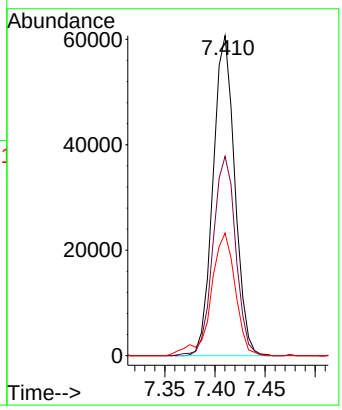


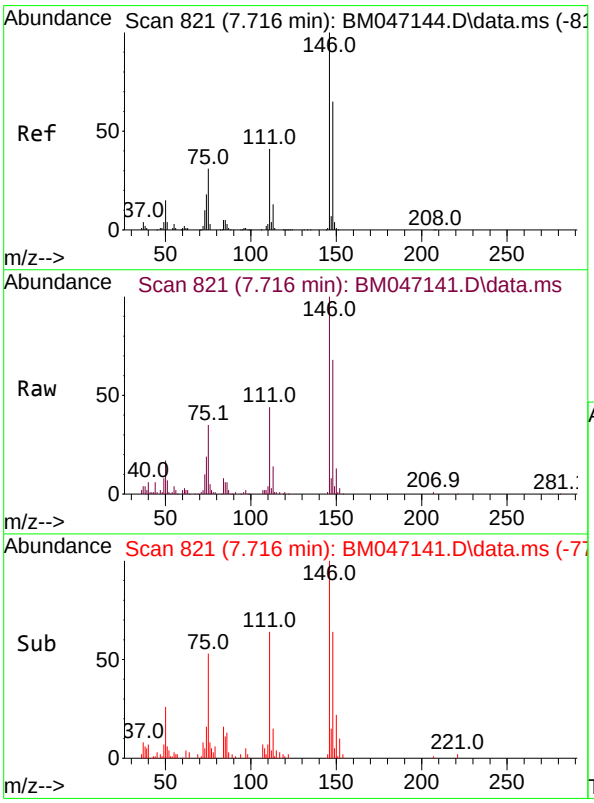
#13
1,4-Dichlorobenzene
Concen: 5.381 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

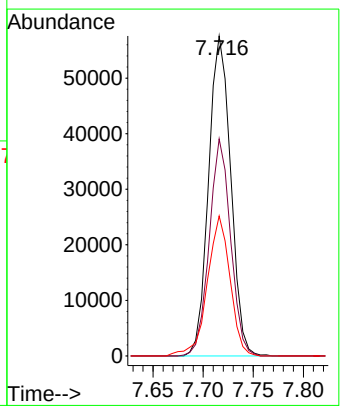


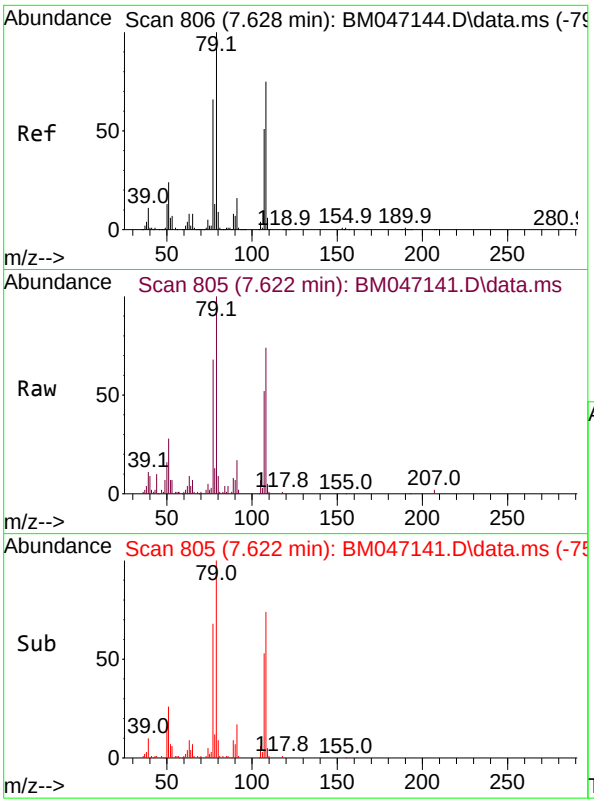


#14
1,2-Dichlorobenzene
Concen: 5.506 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



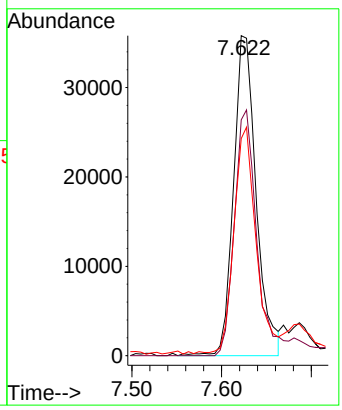


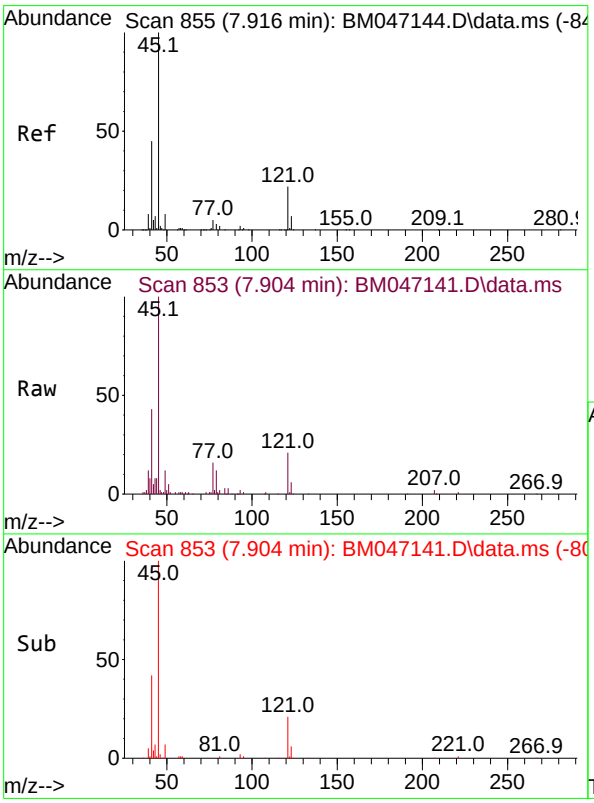
#15
Benzyl Alcohol
Concen: 4.932 ng
RT: 7.622 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

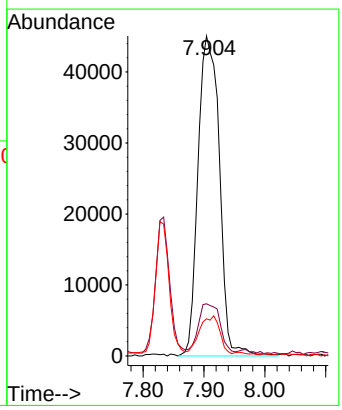


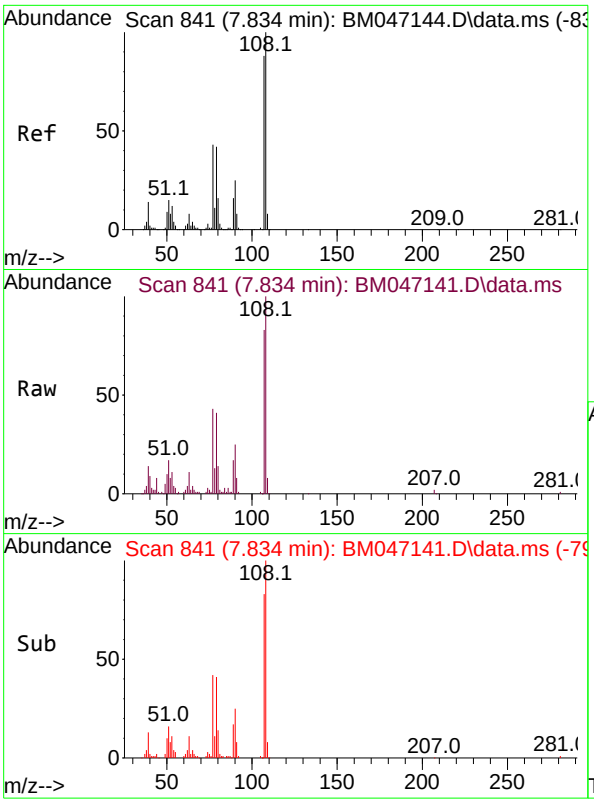


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.622 ng
RT: 7.904 min Scan# 853
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



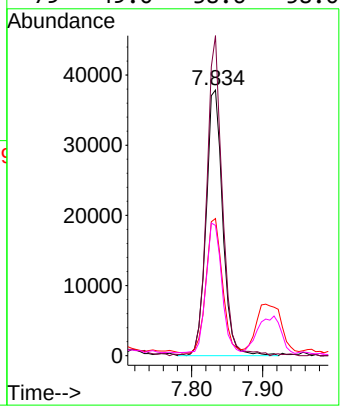


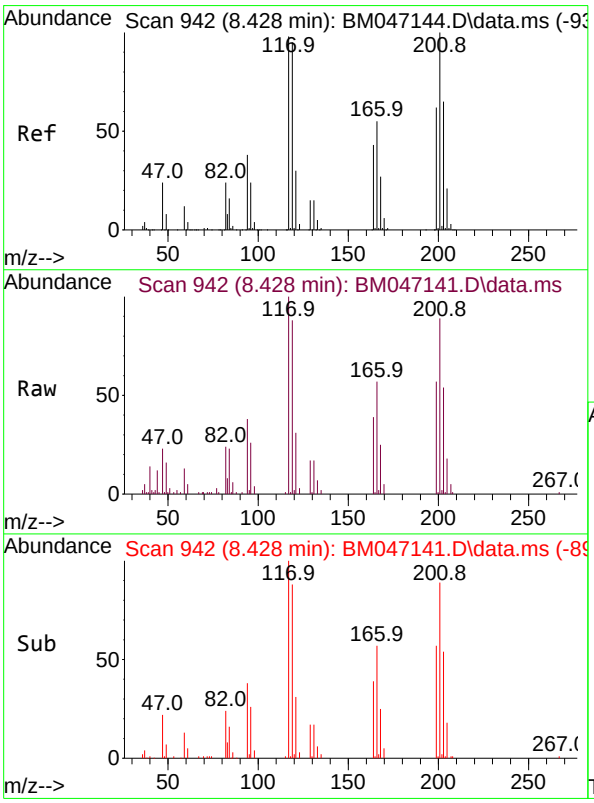
#17
2-Methylphenol
Concen: 5.183 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

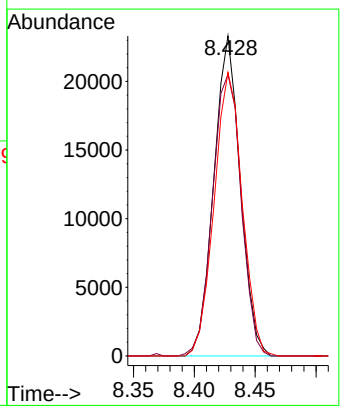


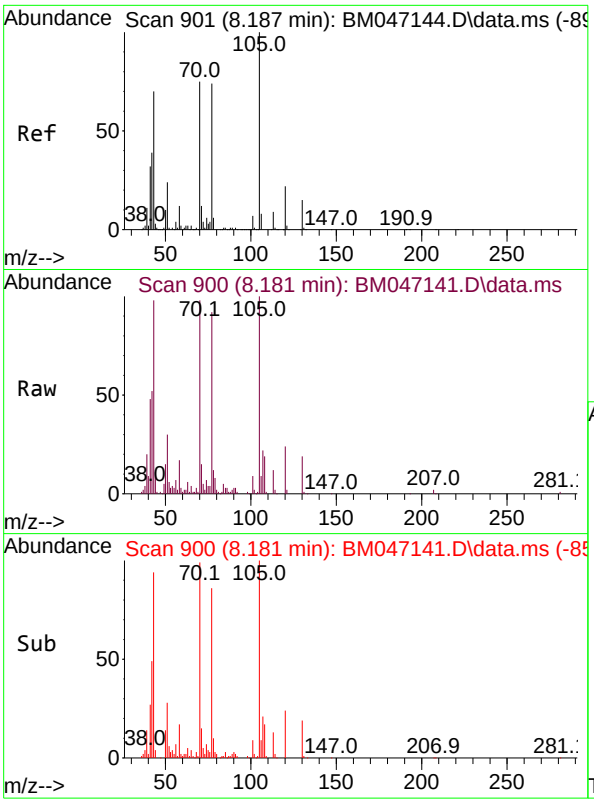


#18
Hexachloroethane
Concen: 5.350 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



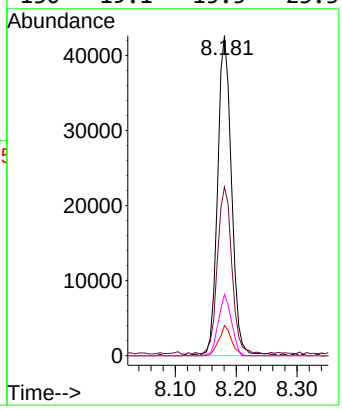


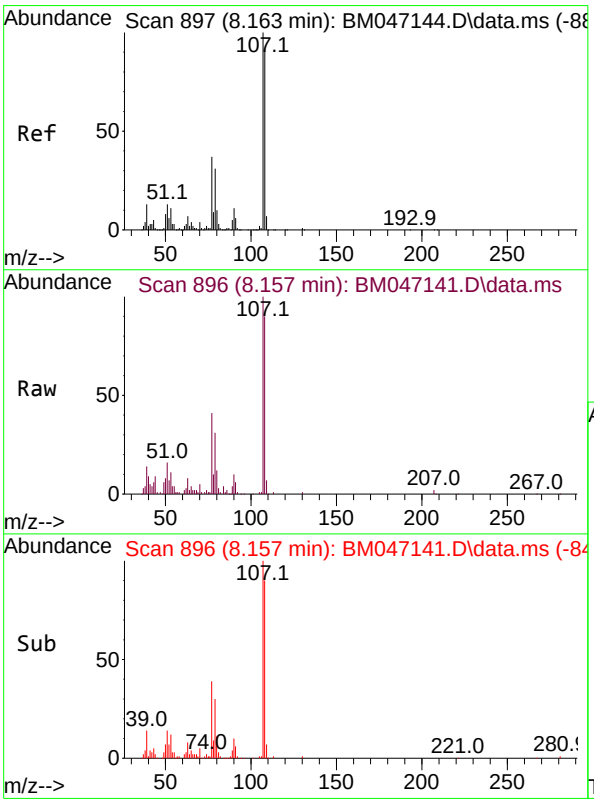
#19
n-Nitroso-di-n-propylamine
Concen: 5.628 ng
RT: 8.181 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

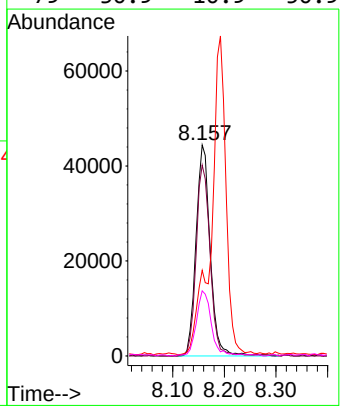


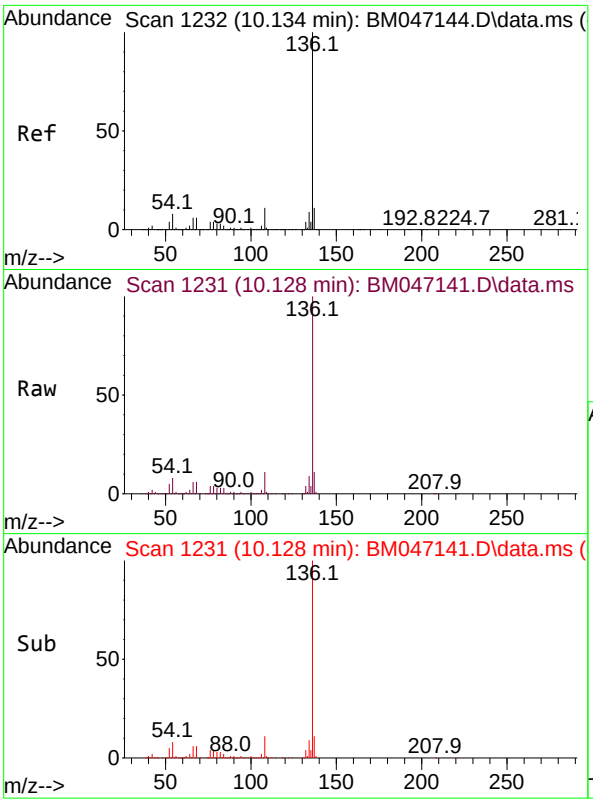


#20
3+4-Methylphenols
Concen: 5.094 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



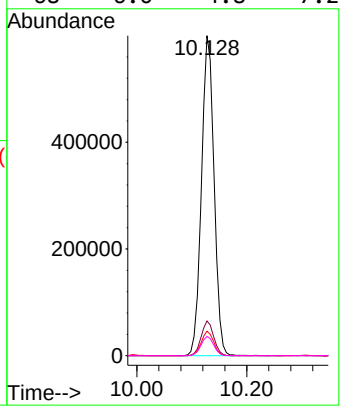


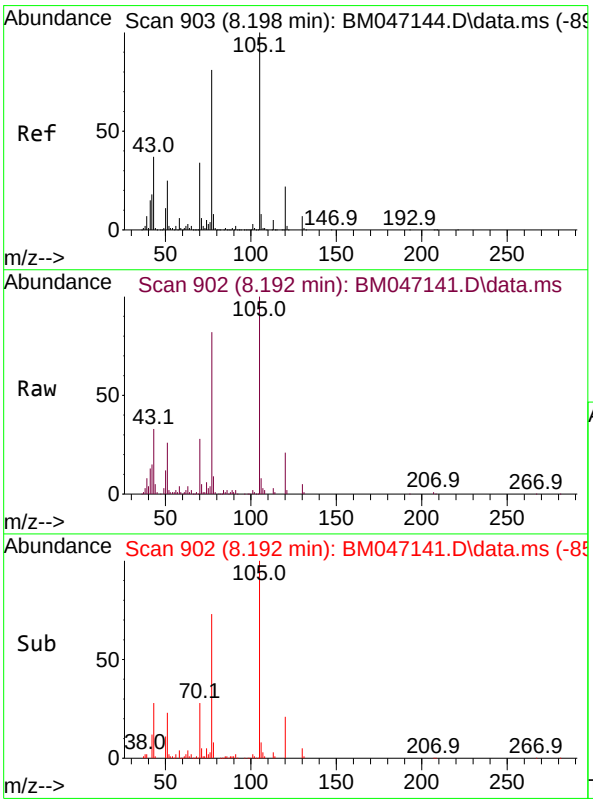
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

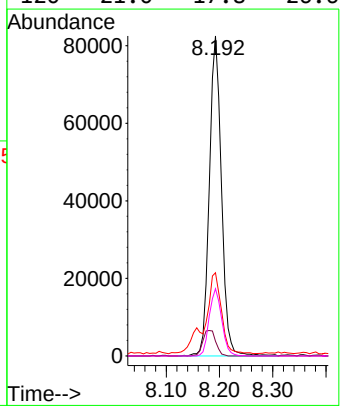


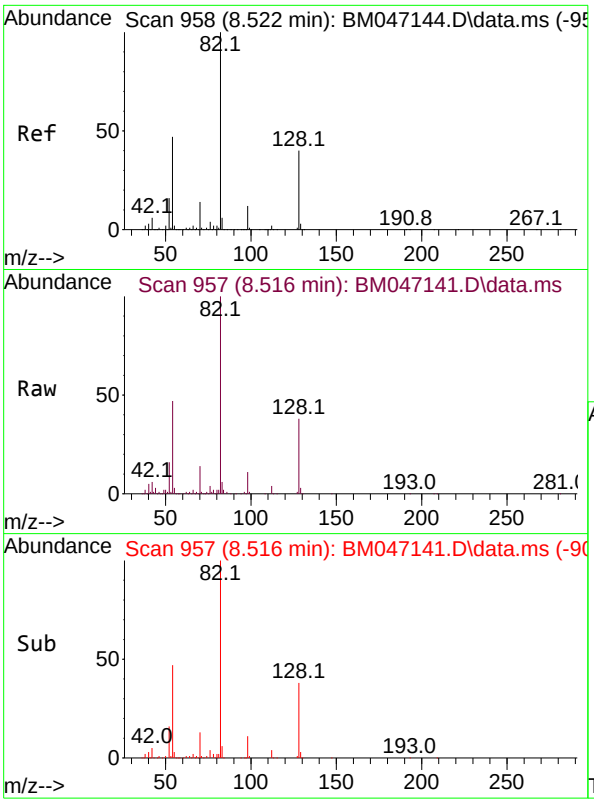


#22
Acetophenone
Concen: 5.665 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



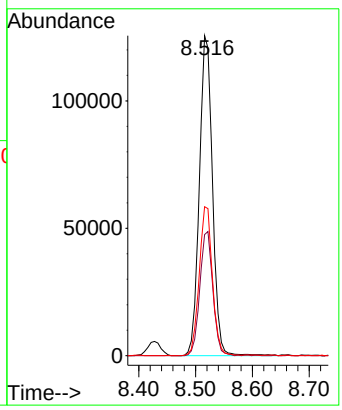


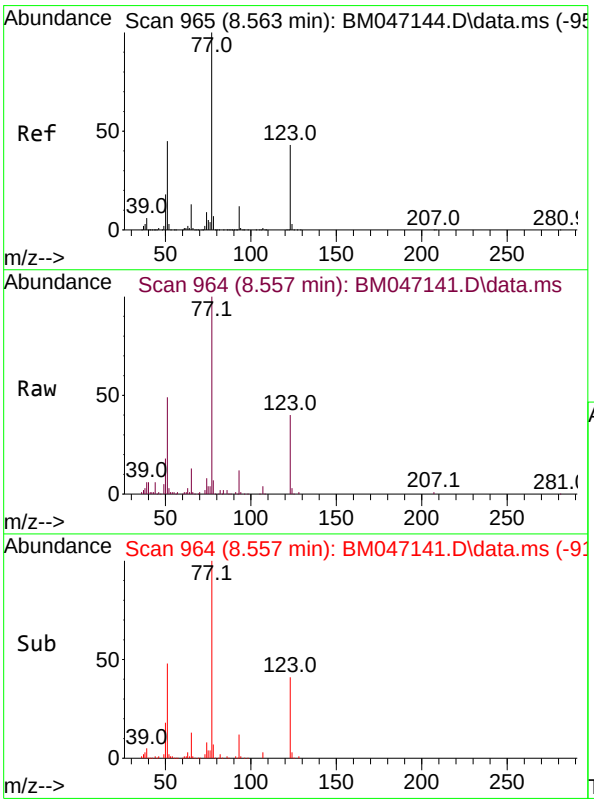
#23
Nitrobenzene-d5
Concen: 10.658 ng
RT: 8.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

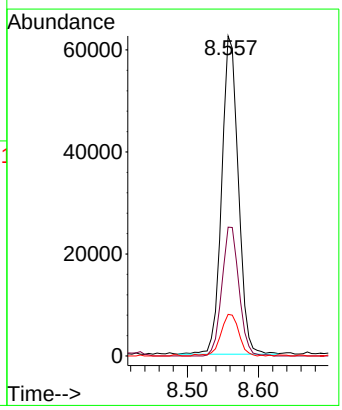


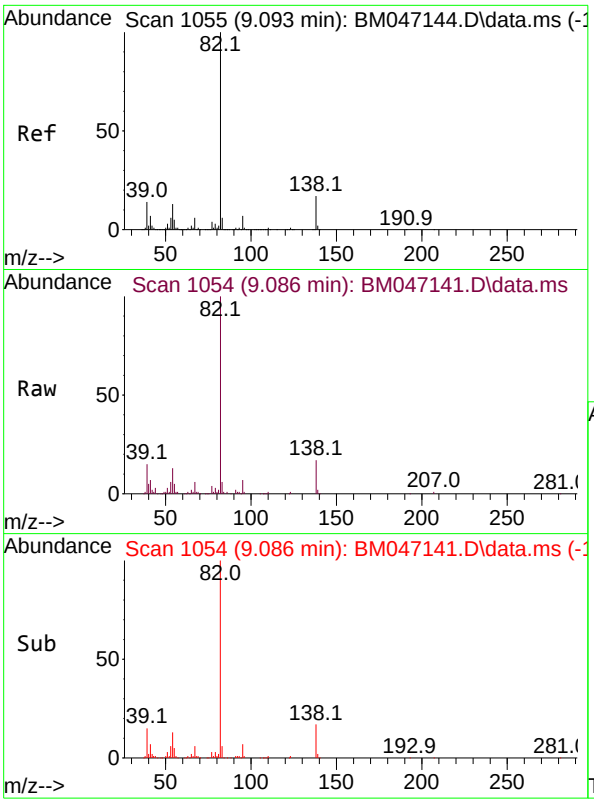


#24
Nitrobenzene
Concen: 5.314 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



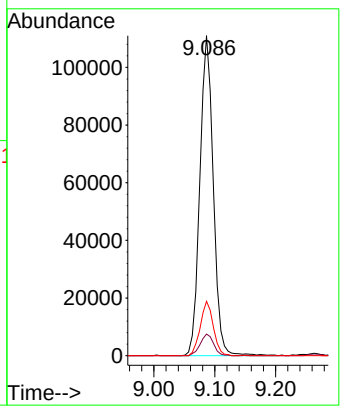


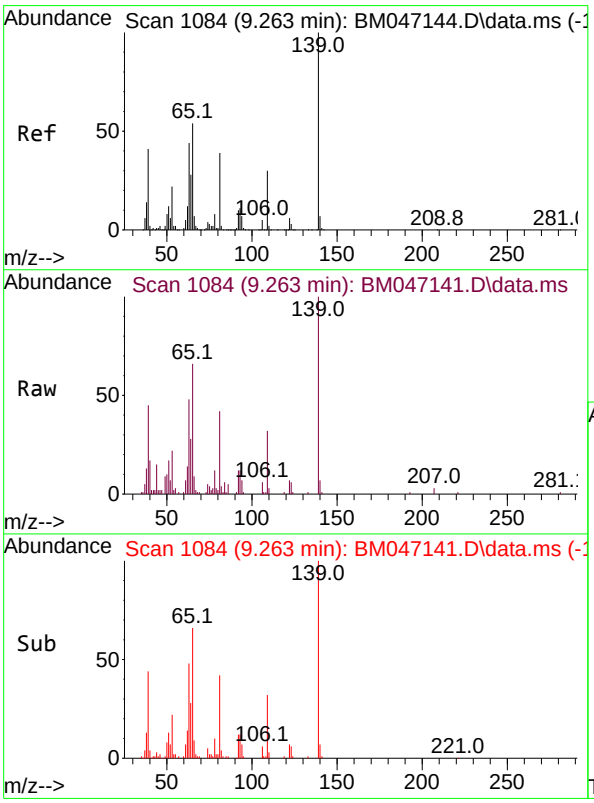
#25
Isophorone
Concen: 5.150 ng
RT: 9.086 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

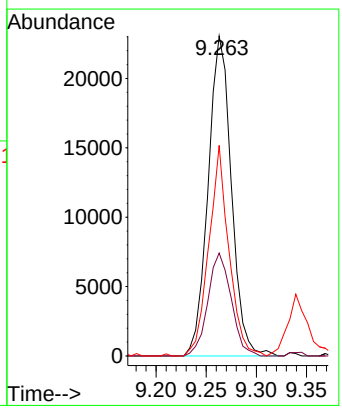


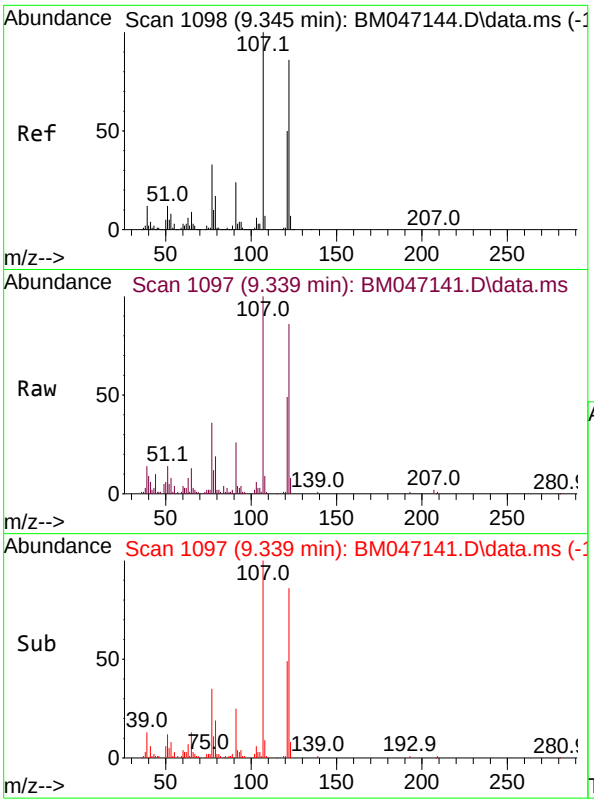


#26
2-Nitrophenol
Concen: 4.410 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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#



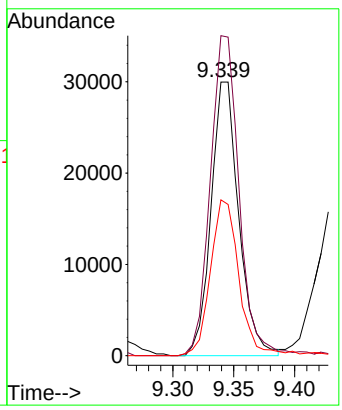


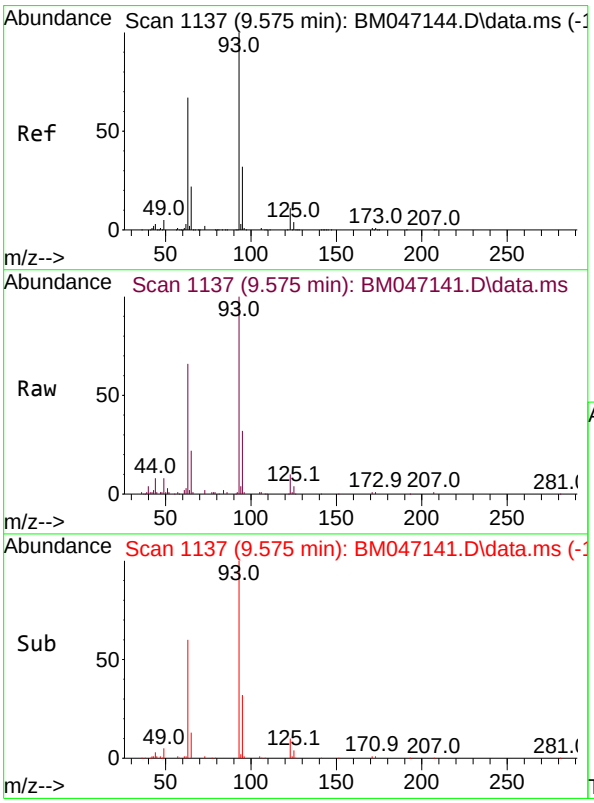
#27
2,4-Dimethylphenol
Concen: 4.808 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

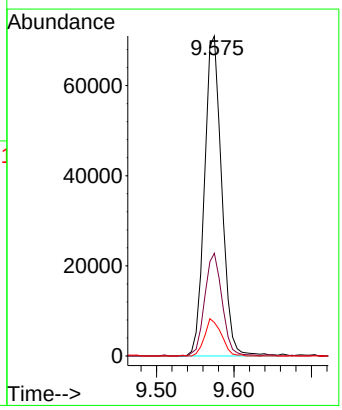


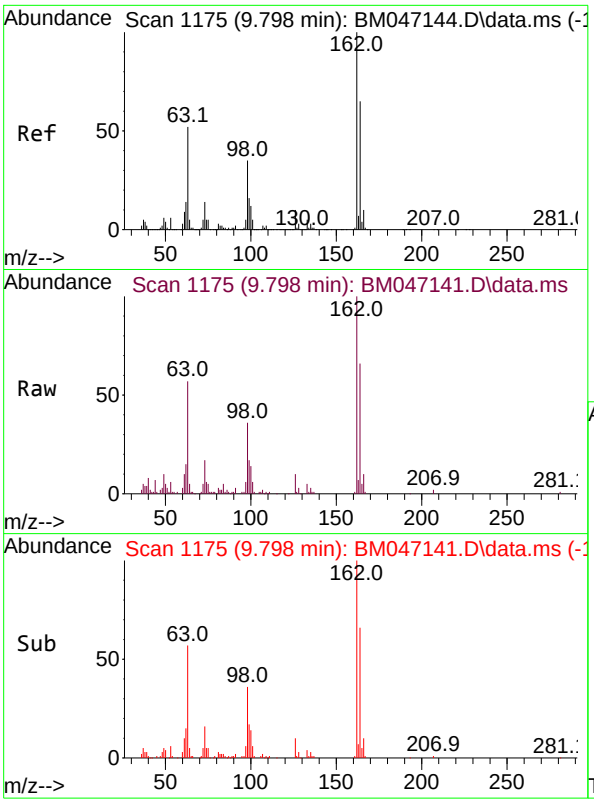


#28
bis(2-Chloroethoxy)methane
Concen: 5.298 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



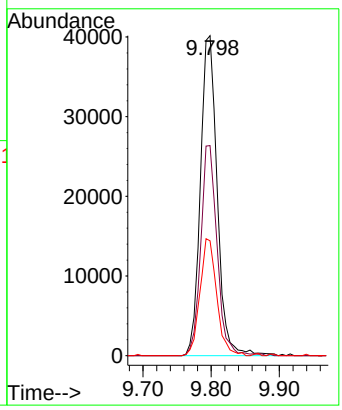


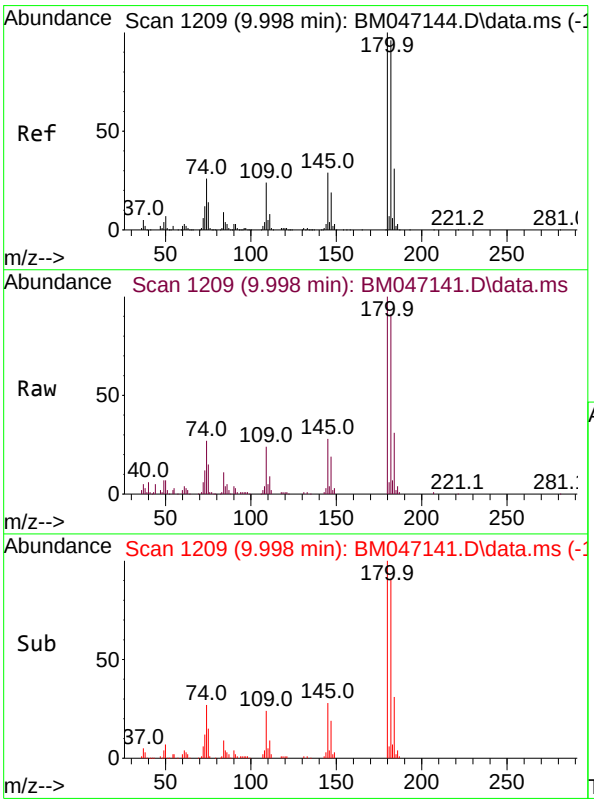
#29
2,4-Dichlorophenol
Concen: 4.700 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

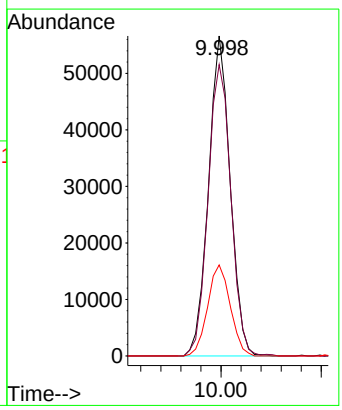


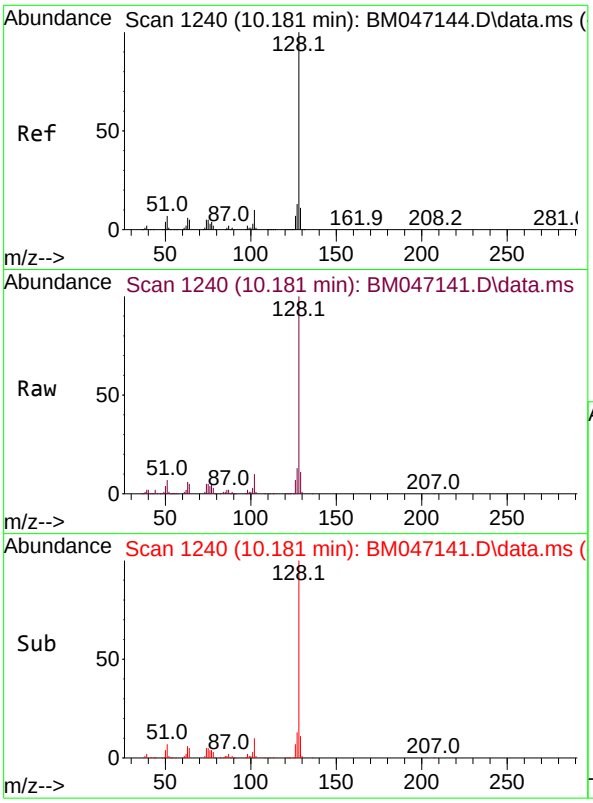


#30
1,2,4-Trichlorobenzene
Concen: 5.129 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



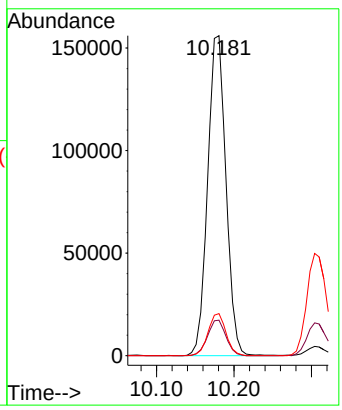


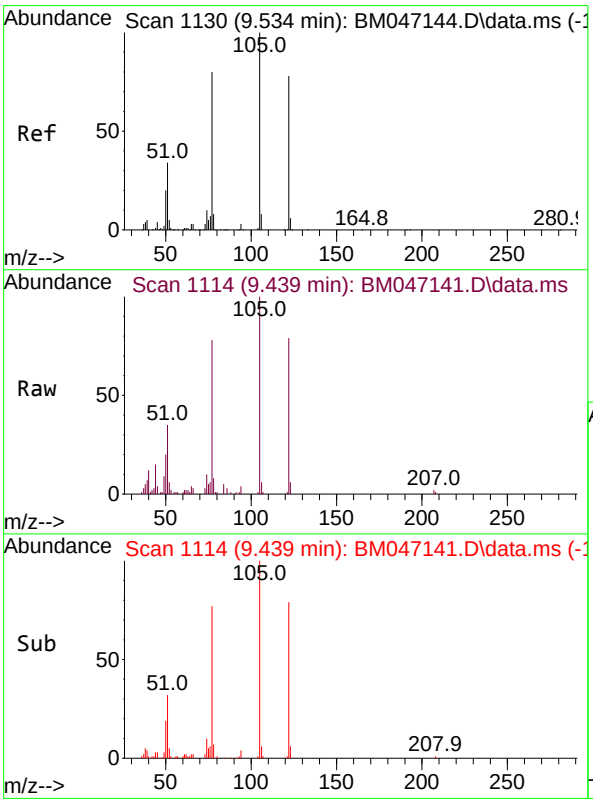
#31
Naphthalene
Concen: 5.395 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

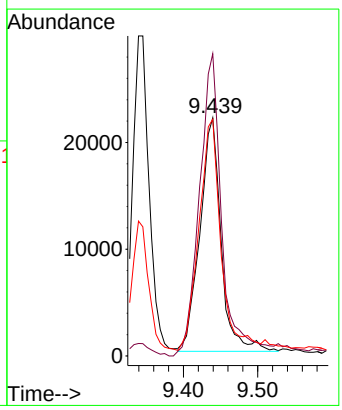


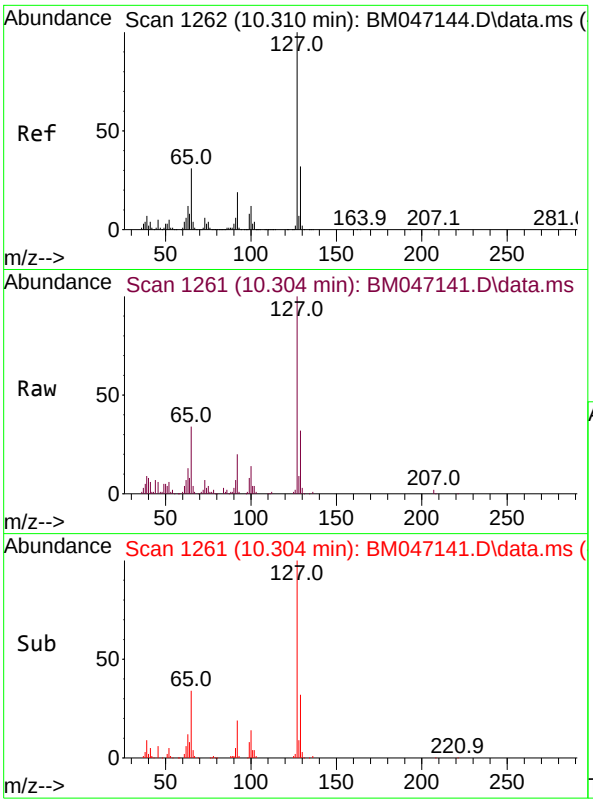


#32
Benzoic acid
Concen: 3.753 ng m
RT: 9.439 min Scan# 1114
Delta R.T. -0.094 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



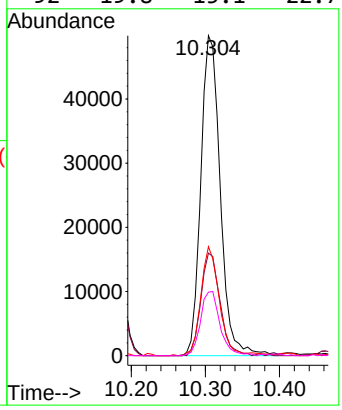


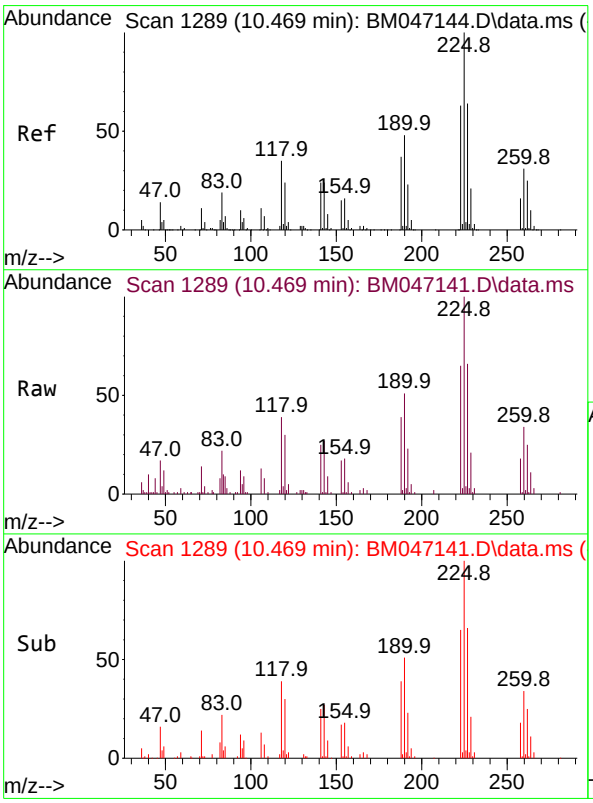
#33
4-Chloroaniline
Concen: 4.983 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

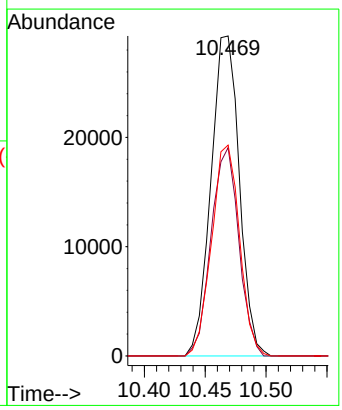


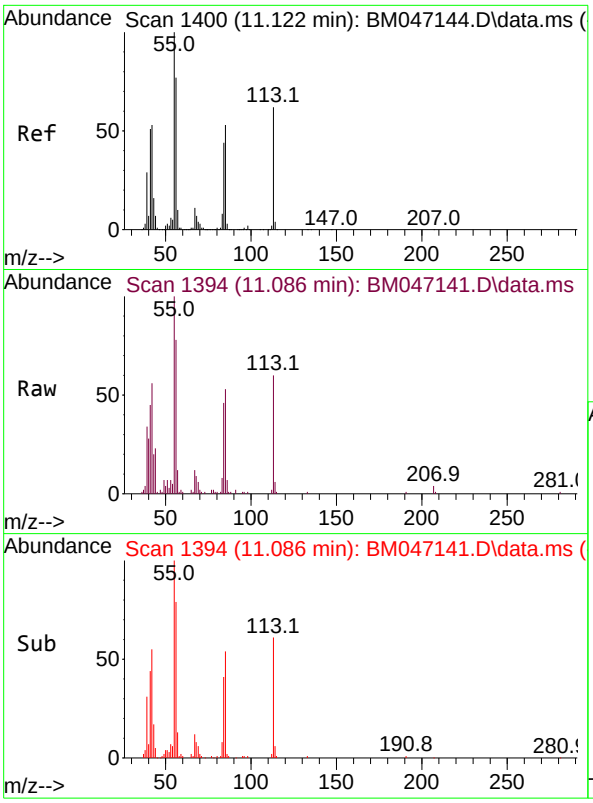


#34
Hexachlorobutadiene
Concen: 4.878 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



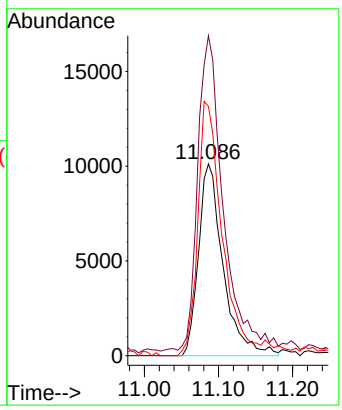


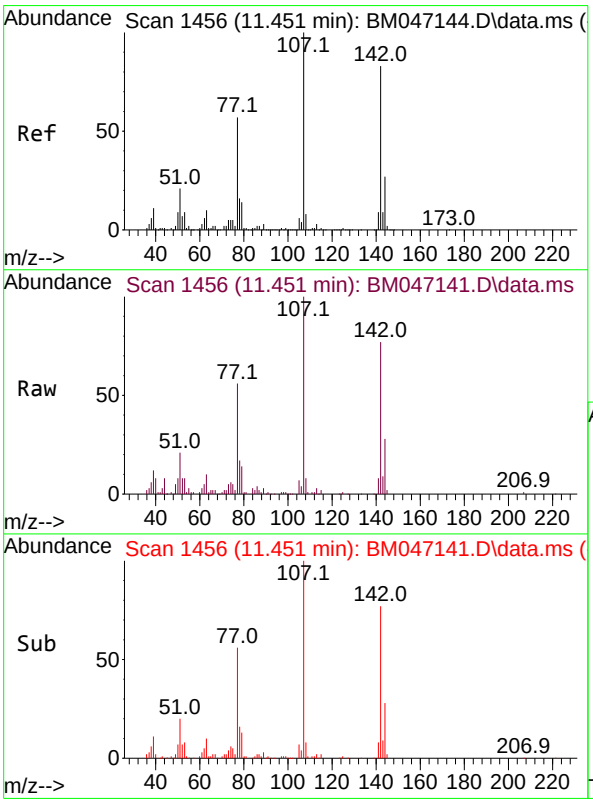
#35
Caprolactam
Concen: 4.576 ng
RT: 11.086 min Scan# 1
Delta R.T. -0.035 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

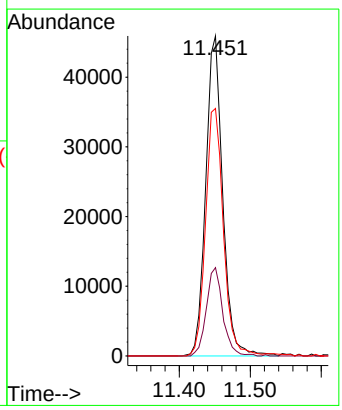


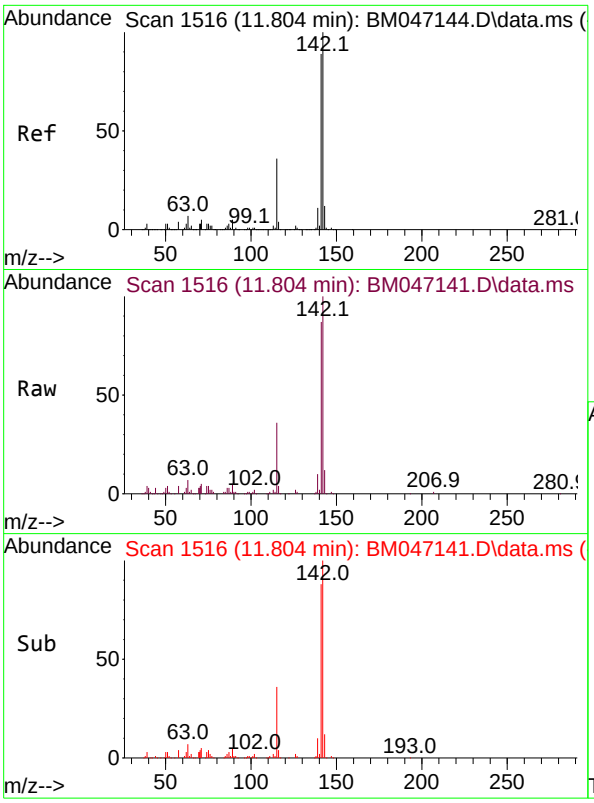


#36
4-Chloro-3-methylphenol
Concen: 4.882 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



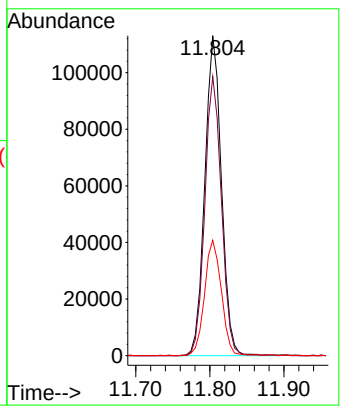


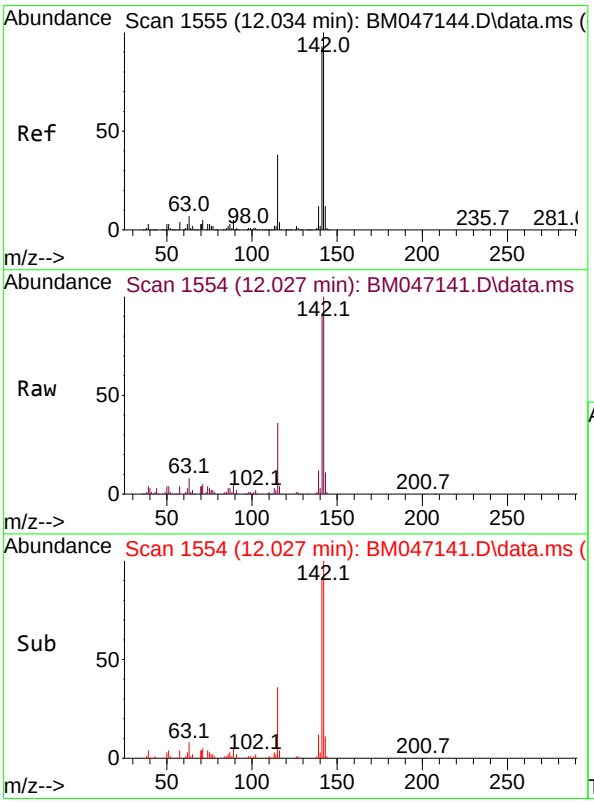
#37
2-Methylnaphthalene
Concen: 5.220 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

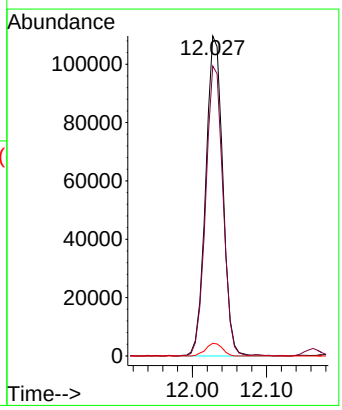


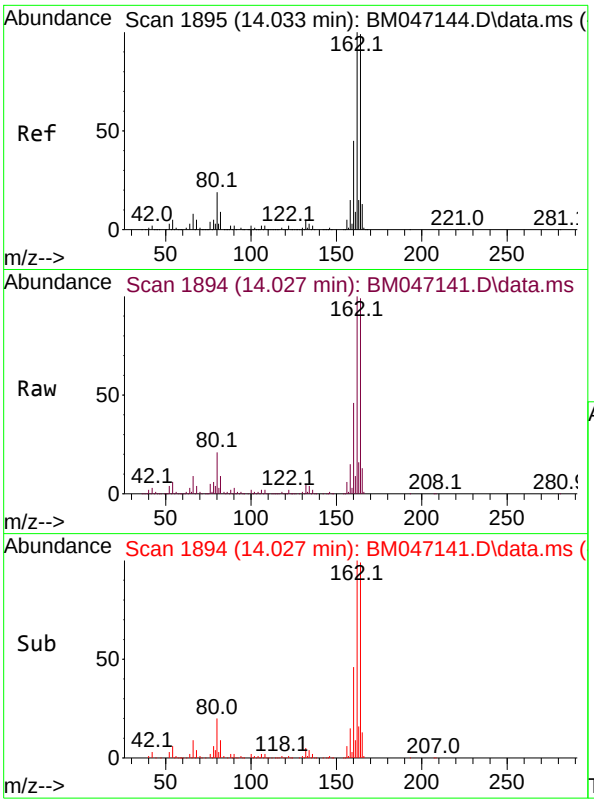


#38
1-Methylnaphthalene
Concen: 5.255 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



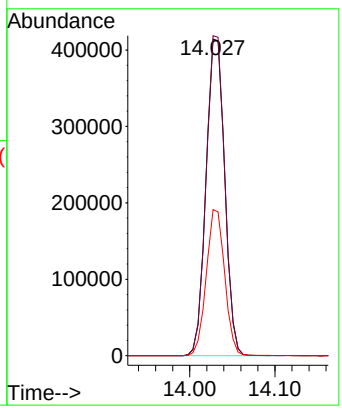


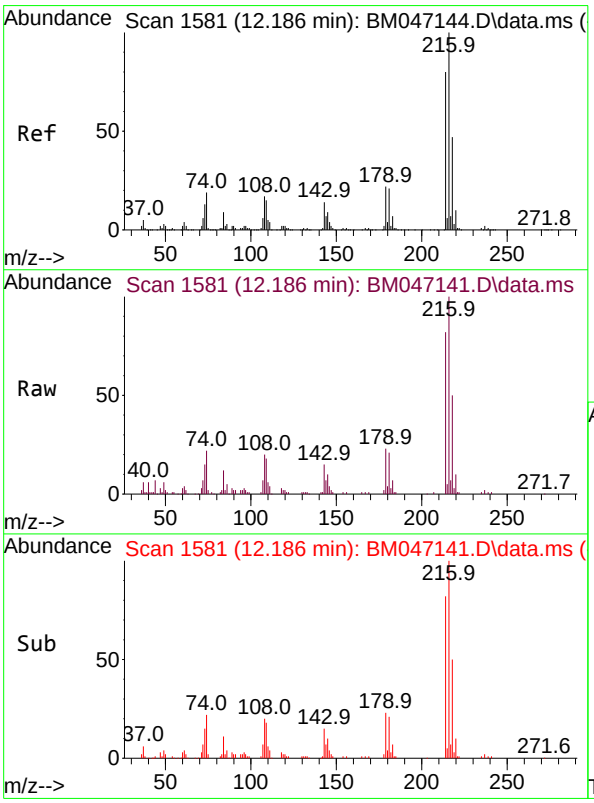
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

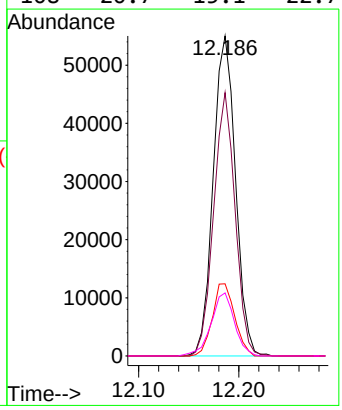


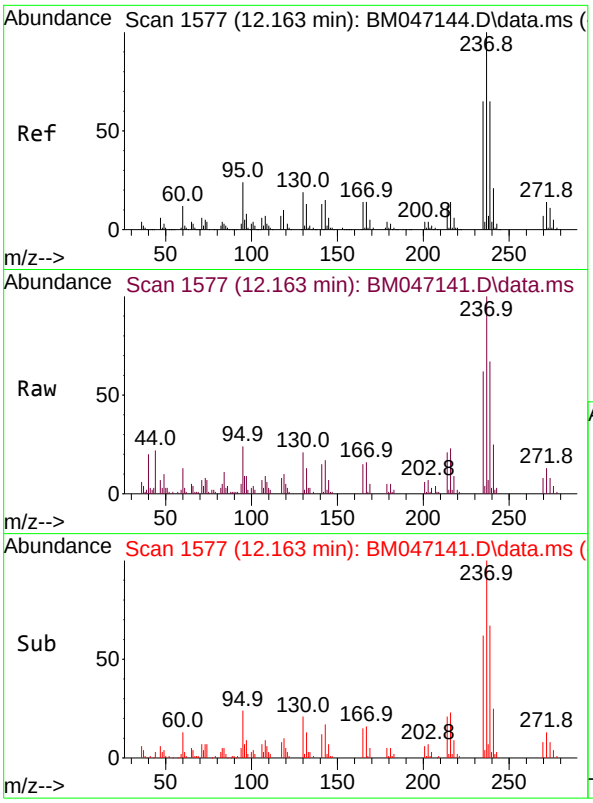


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.941 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



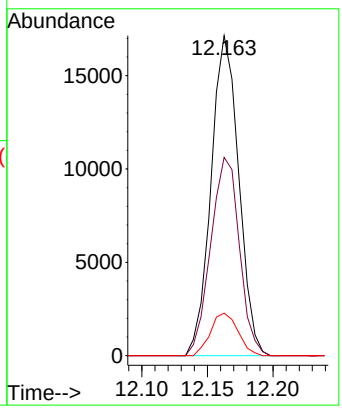


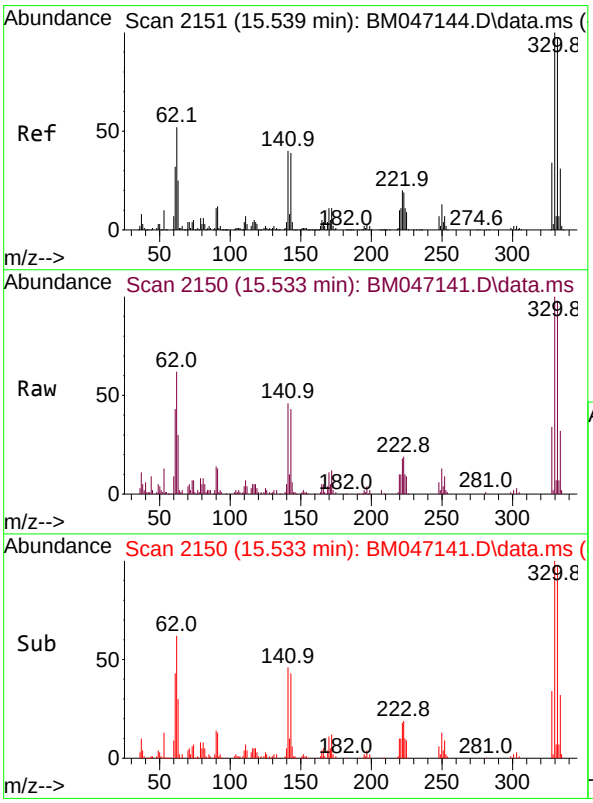
#41
Hexachlorocyclopentadiene
Concen: 4.195 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

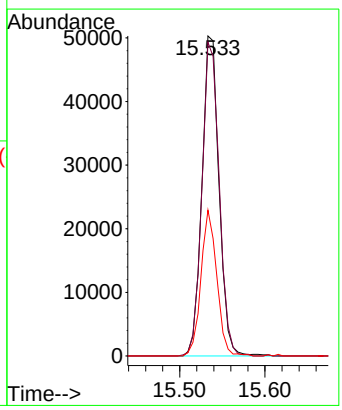


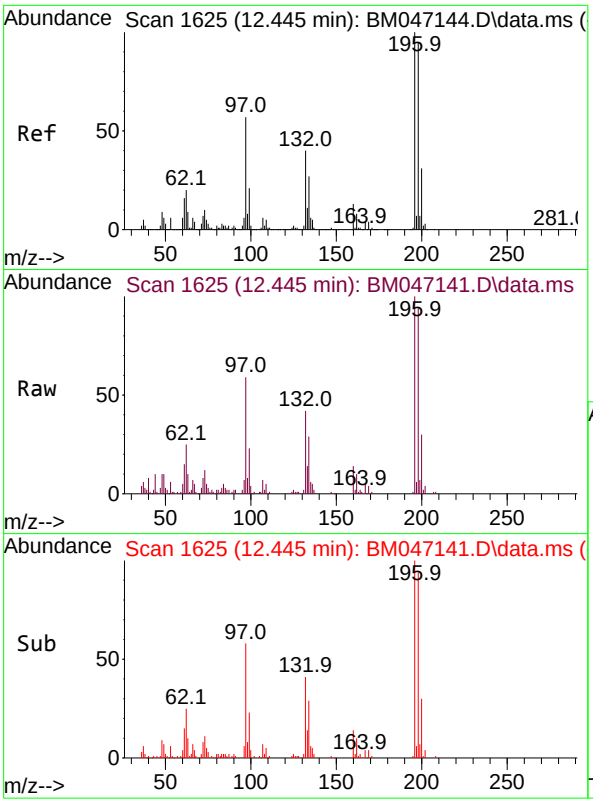


#42
2,4,6-Tribromophenol
Concen: 9.593 ng
RT: 15.533 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



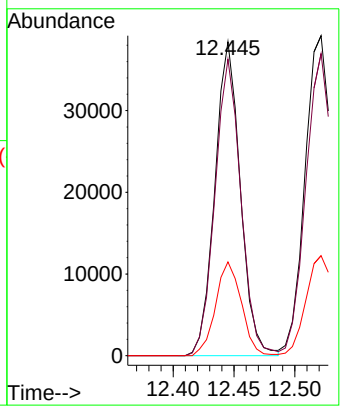


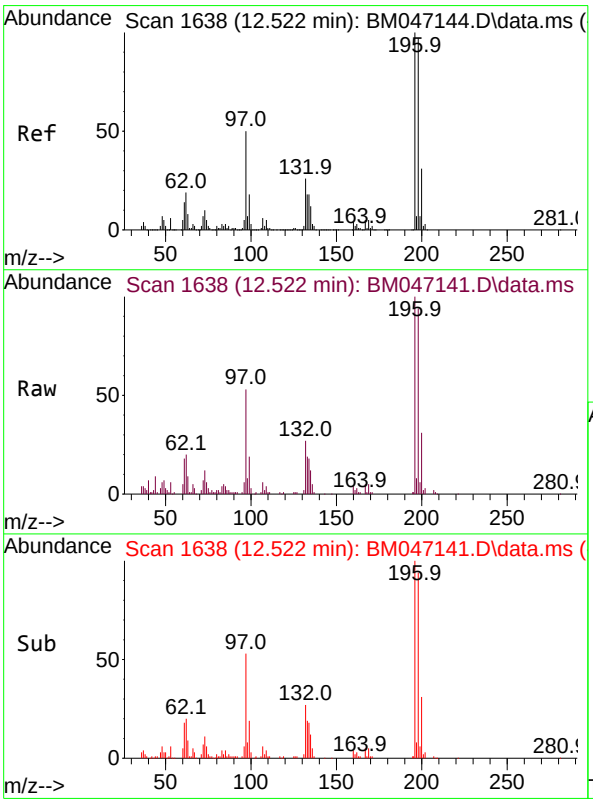
#43
2,4,6-Trichlorophenol
Concen: 4.582 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

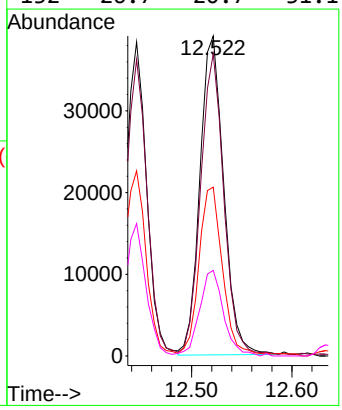


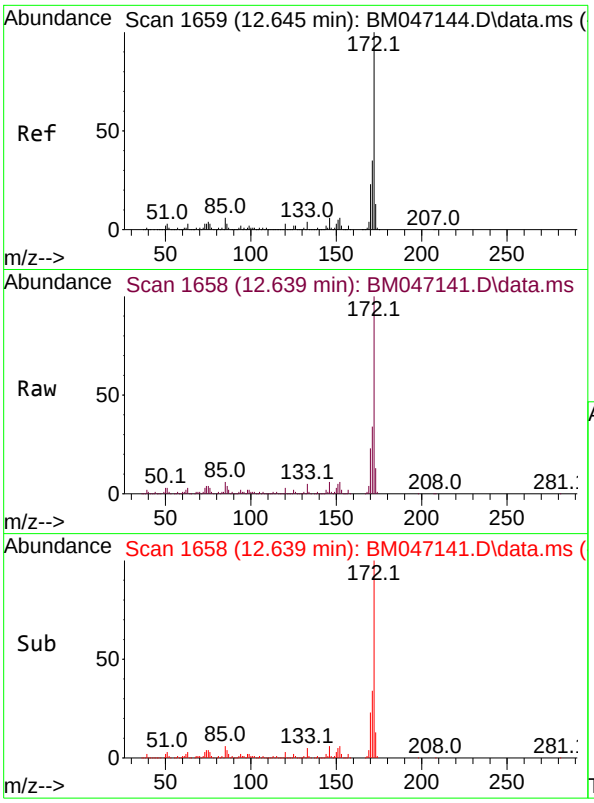


#44
2,4,5-Trichlorophenol
Concen: 4.765 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



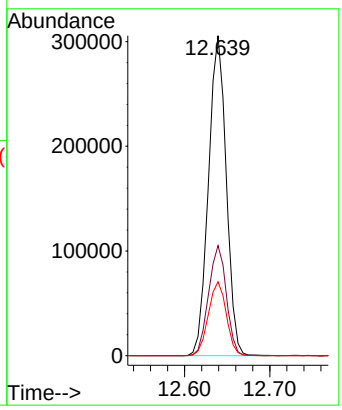


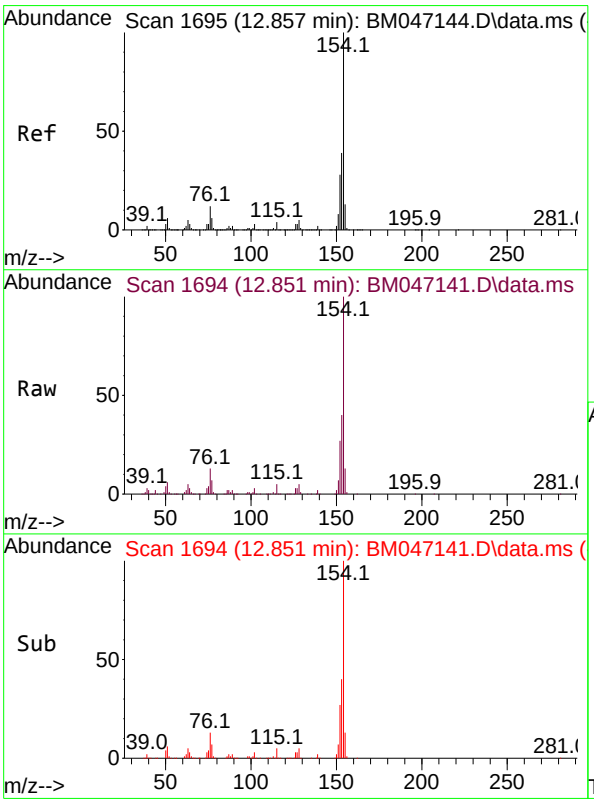
#45
2-Fluorobiphenyl
Concen: 10.847 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

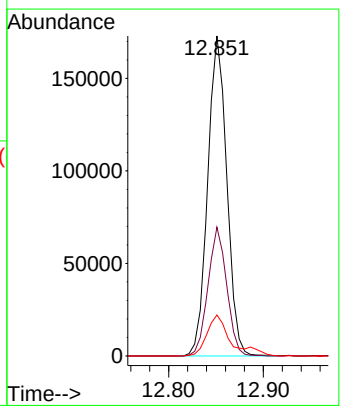


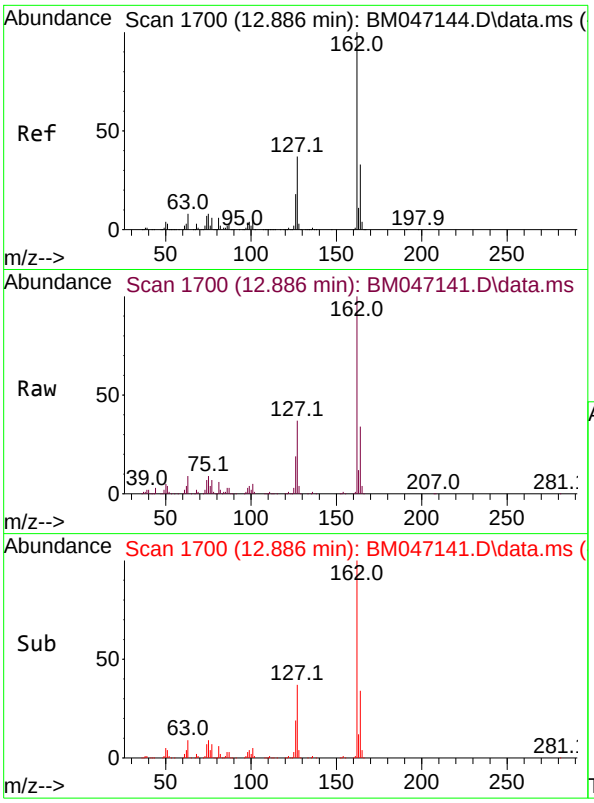


#46
1,1'-Biphenyl
Concen: 5.400 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



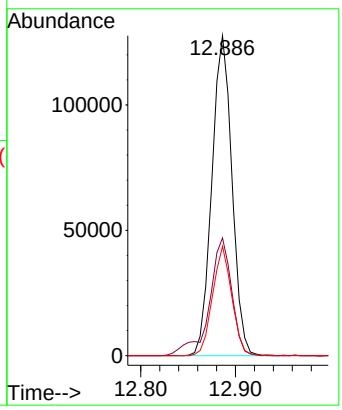


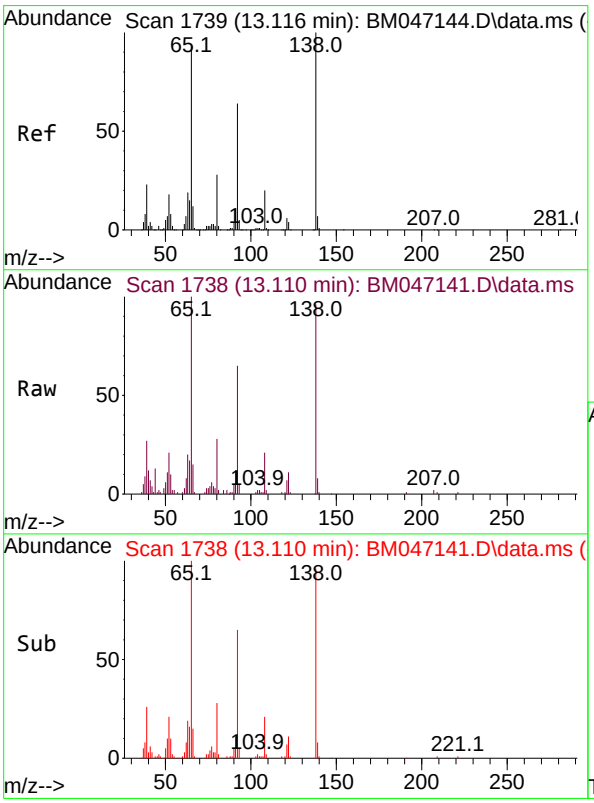
#47
2-Chloronaphthalene
Concen: 5.380 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

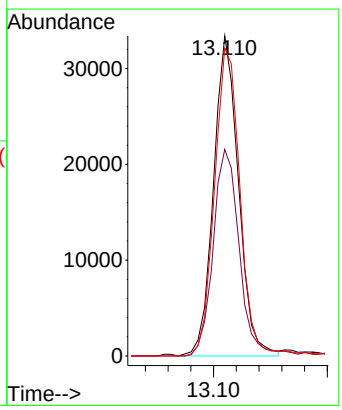


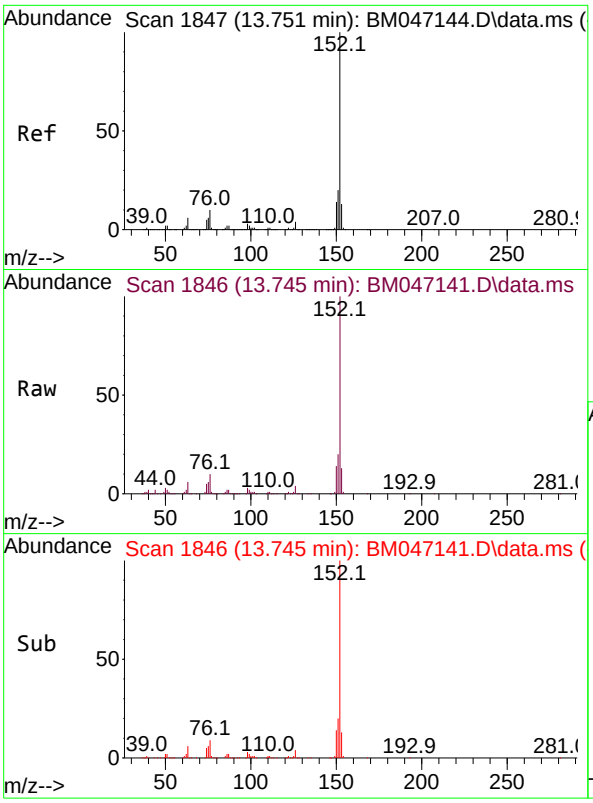


#48
2-Nitroaniline
Concen: 4.632 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



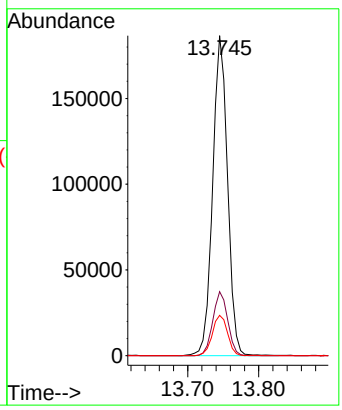


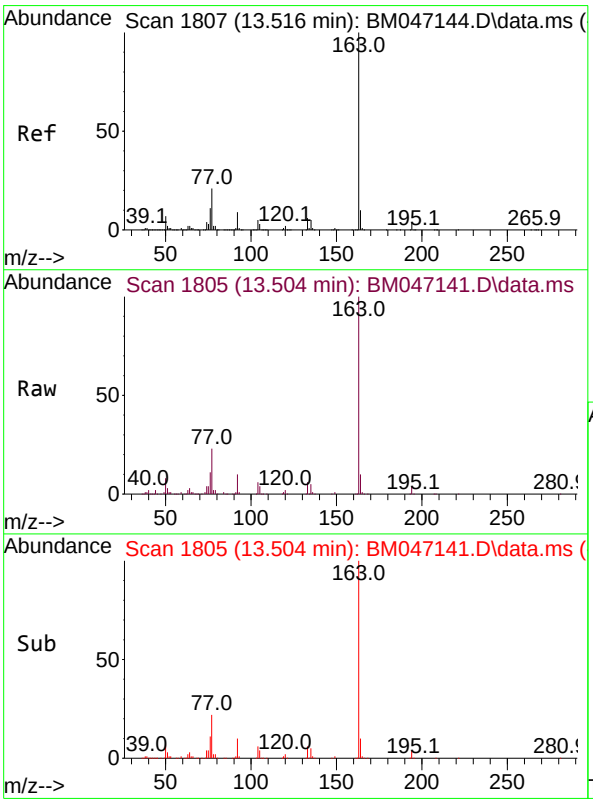
#49
Acenaphthylene
Concen: 5.238 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

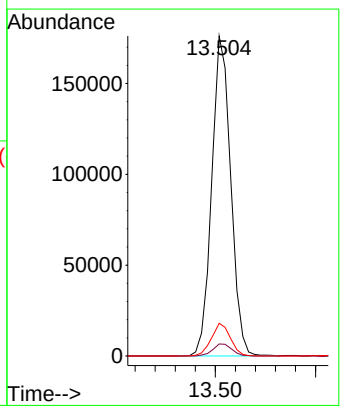


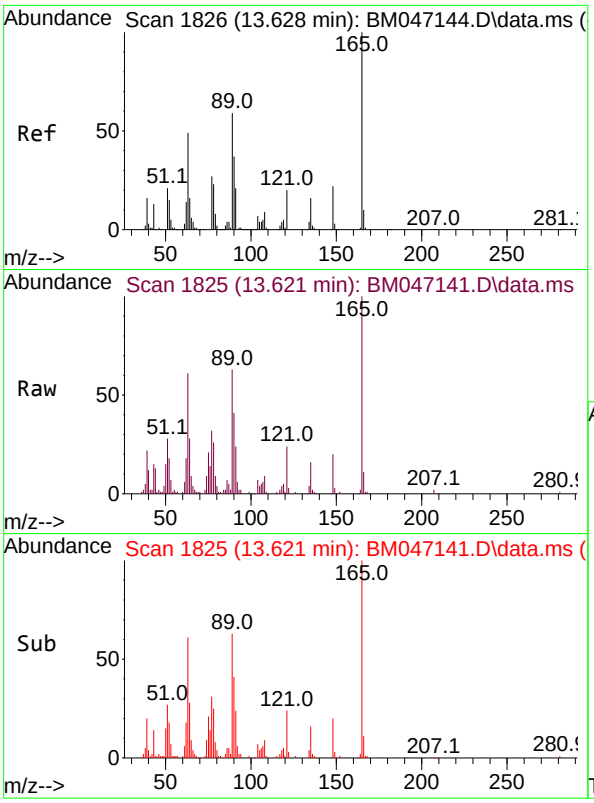


#50
Dimethylphthalate
Concen: 5.268 ng
RT: 13.504 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



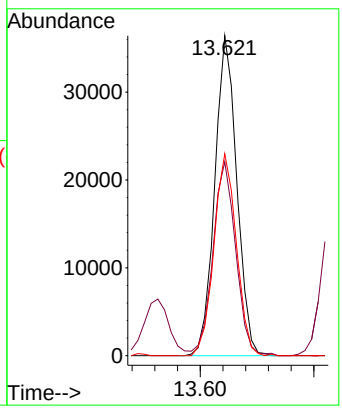


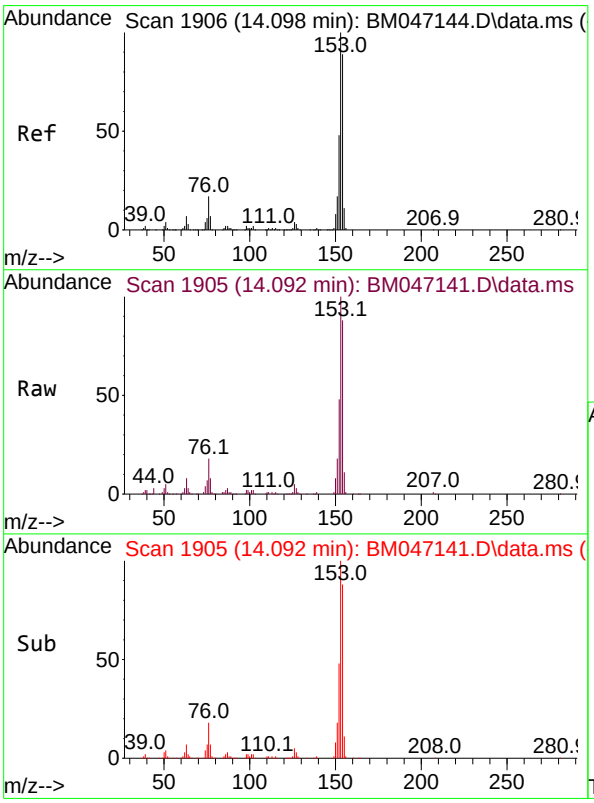
#51
2,6-Dinitrotoluene
Concen: 4.764 ng
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

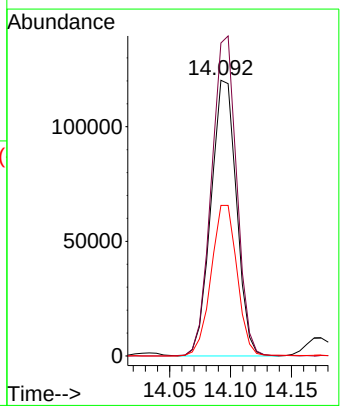


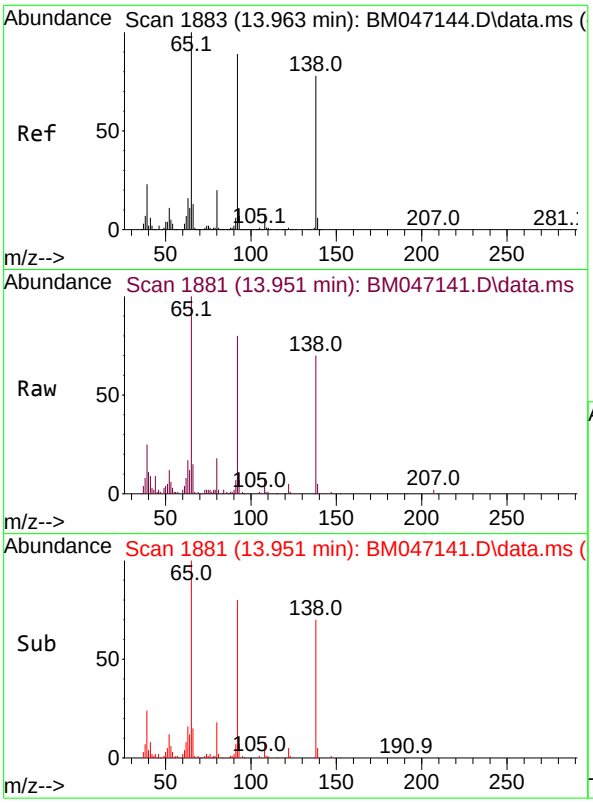


#52
Acenaphthene
Concen: 5.355 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



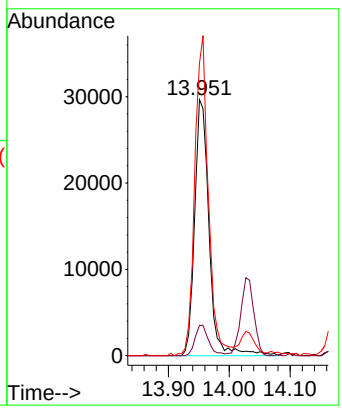


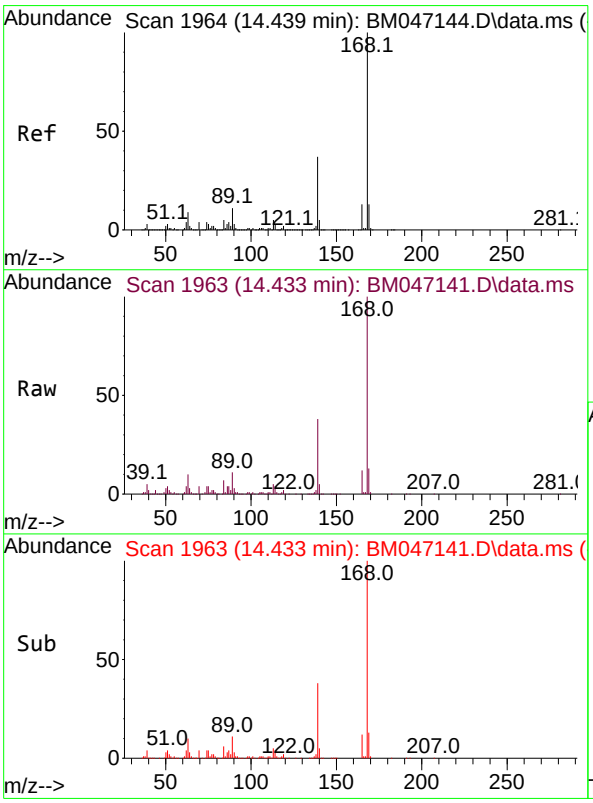
#53
3-Nitroaniline
Concen: 4.734 ng
RT: 13.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

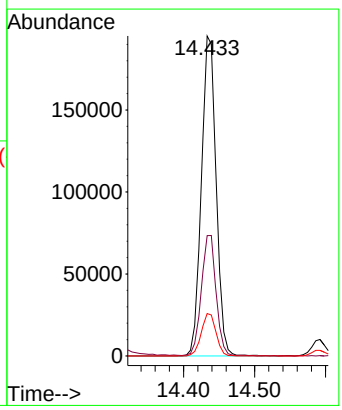


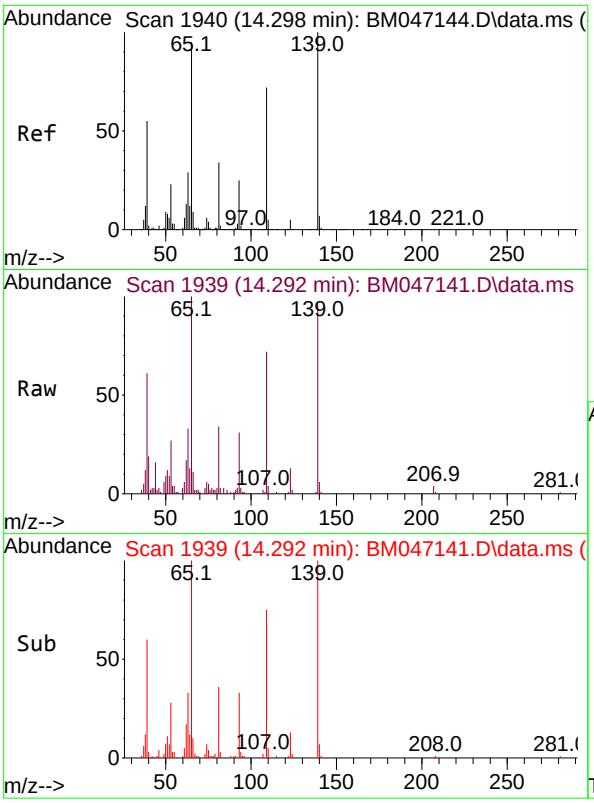


#55
Dibenzofuran
Concen: 5.444 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



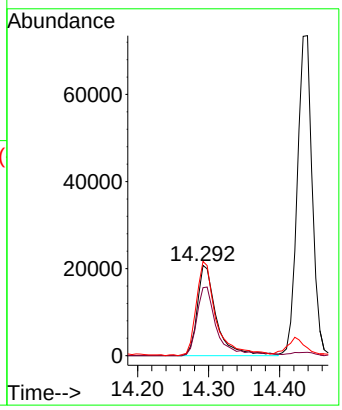


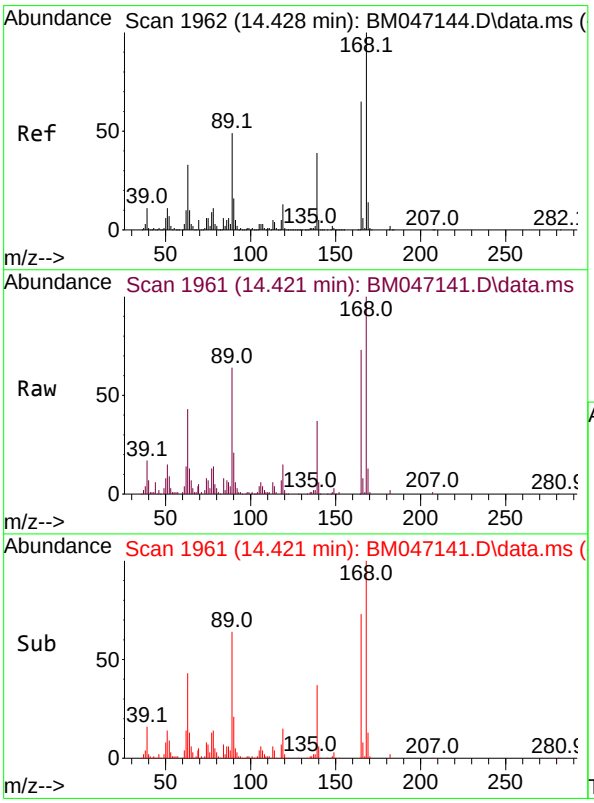
#56
4-Nitrophenol
Concen: 4.374 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

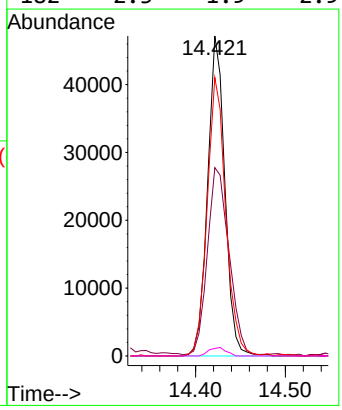


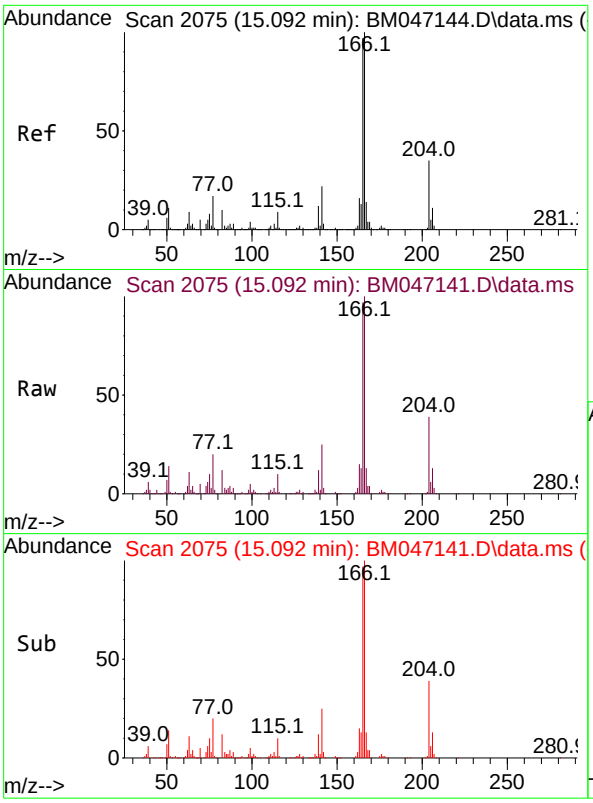


#57
2,4-Dinitrotoluene
Concen: 4.589 ng
RT: 14.421 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



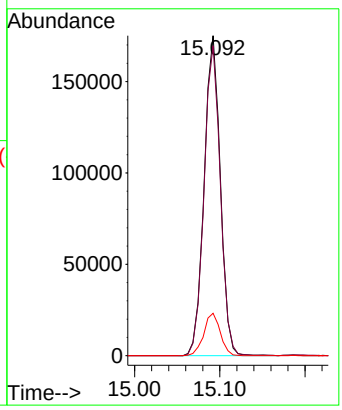


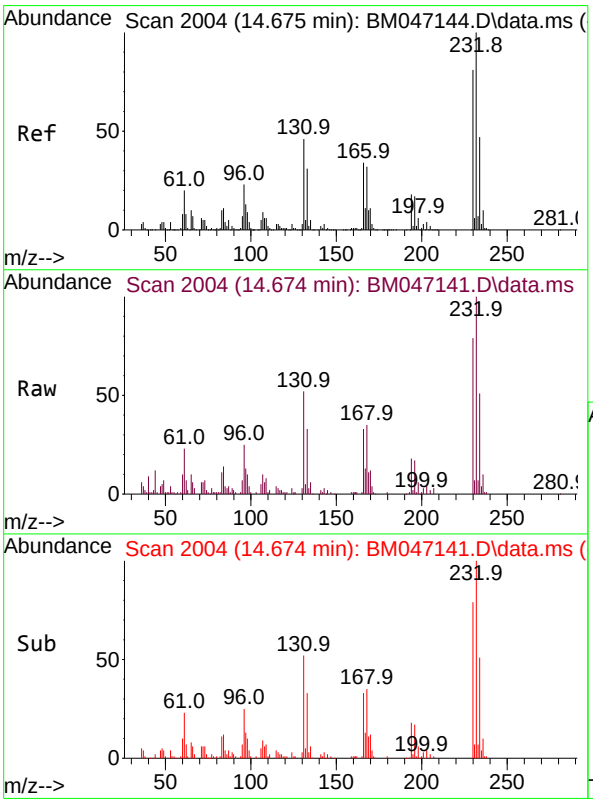
#58
Fluorene
Concen: 5.418 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

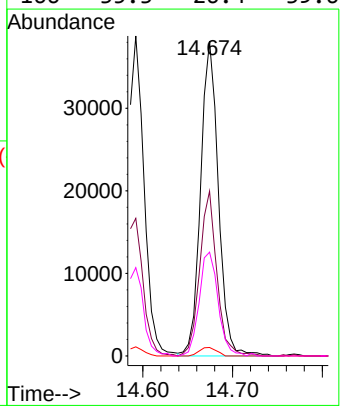


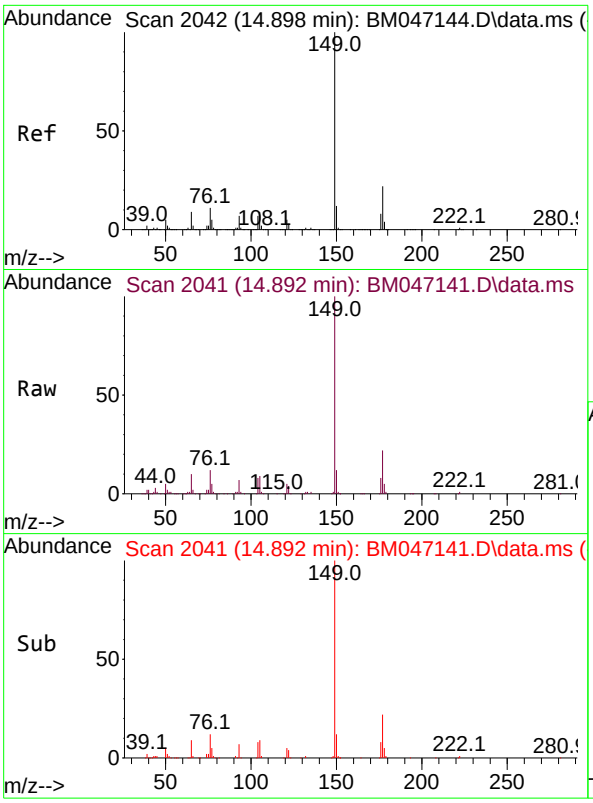


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.710 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



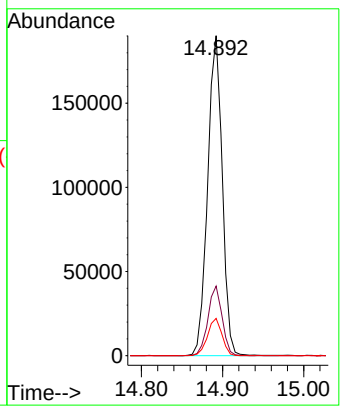


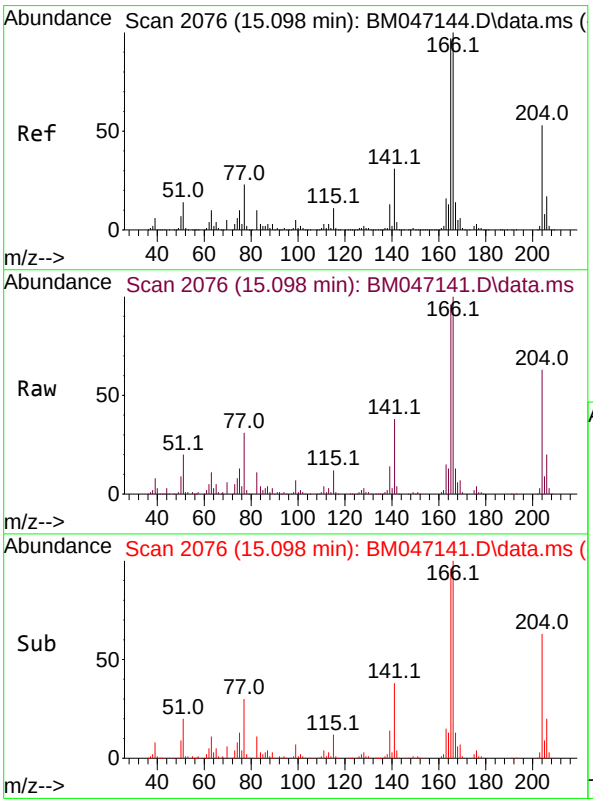
#60
Diethylphthalate
Concen: 5.274 ng
RT: 14.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

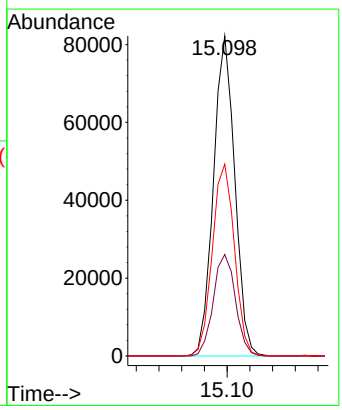


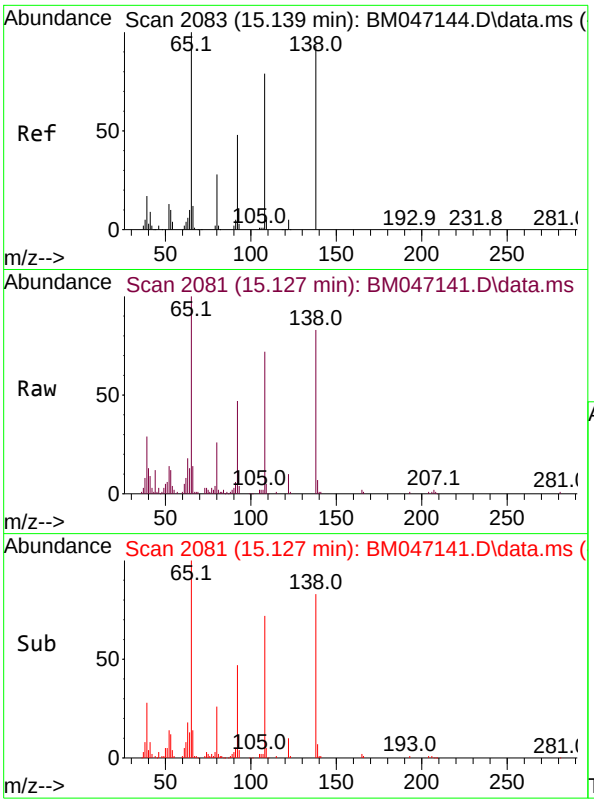


#61
4-Chlorophenyl-phenylether
Concen: 5.274 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



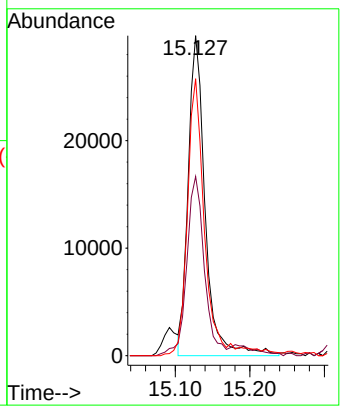


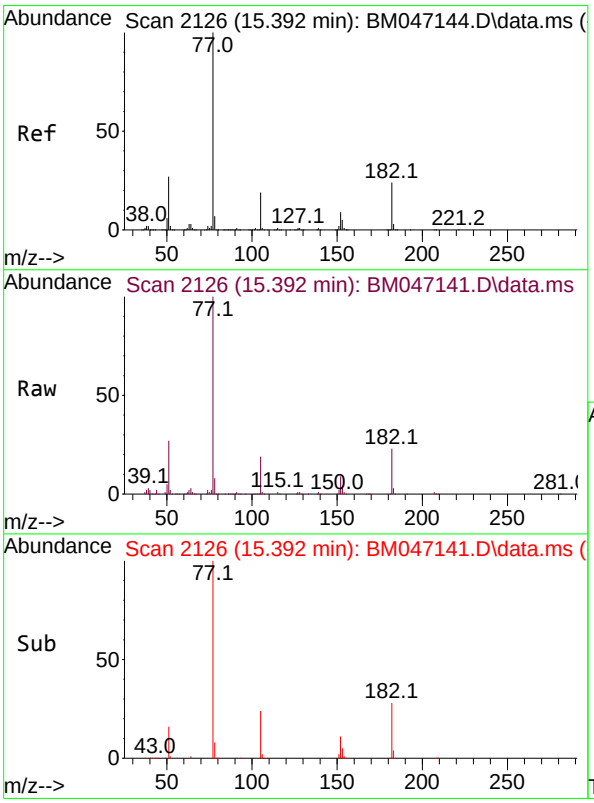
#62
4-Nitroaniline
Concen: 4.656 ng m
RT: 15.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

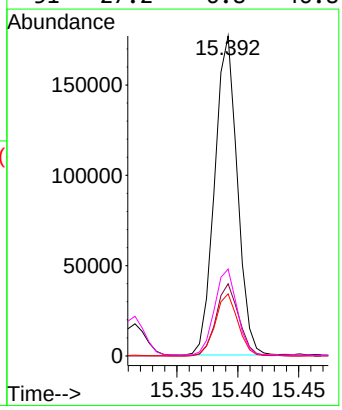


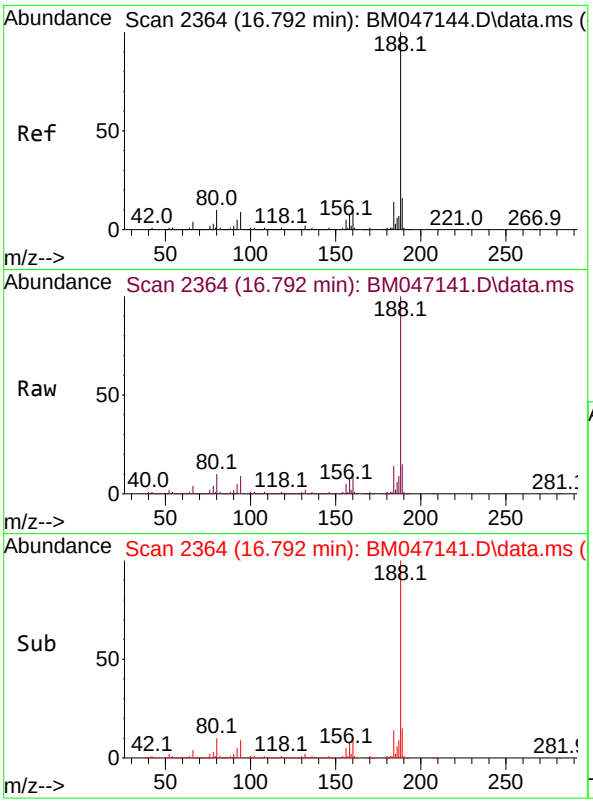


#63
Azobenzene
Concen: 5.378 ng
RT: 15.392 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



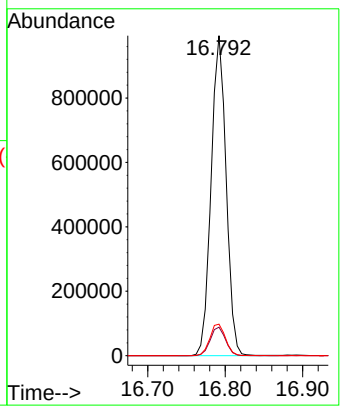


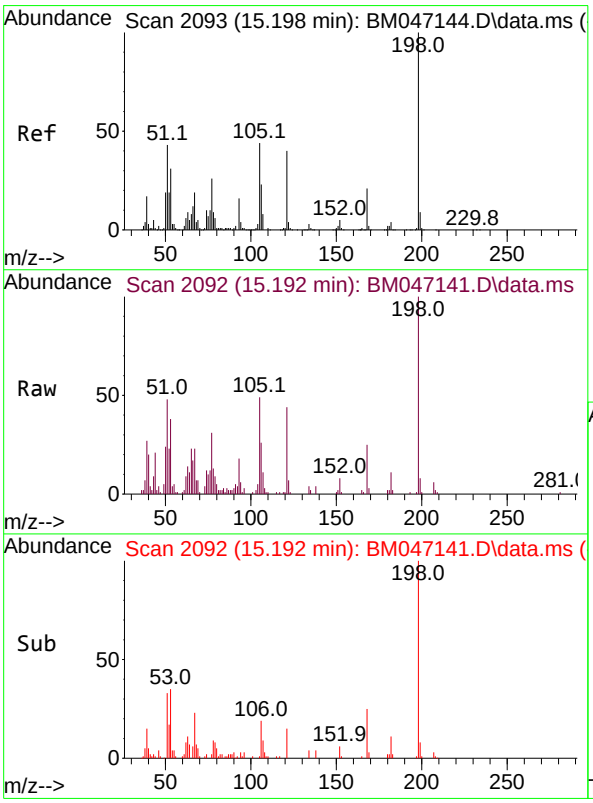
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

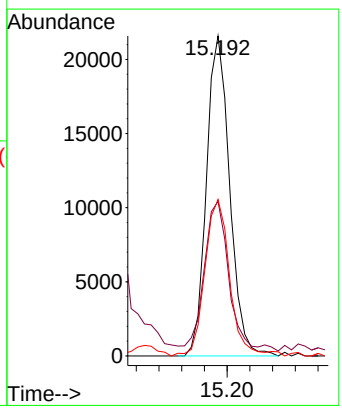


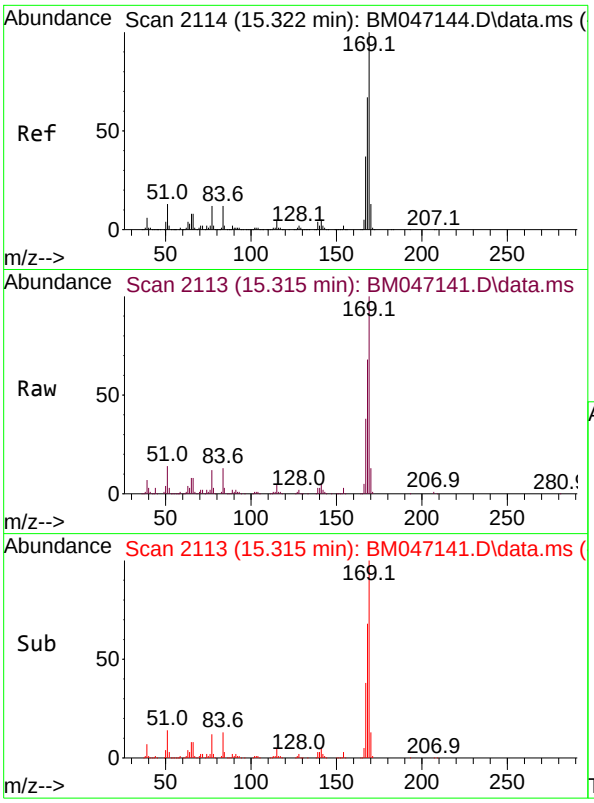


#65
4,6-Dinitro-2-methylphenol
Concen: 3.916 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



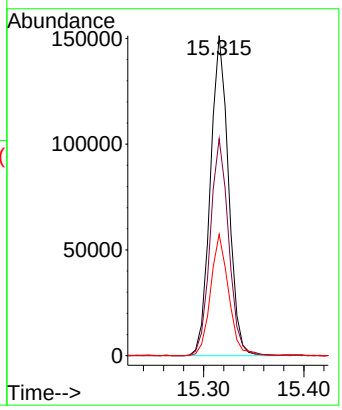


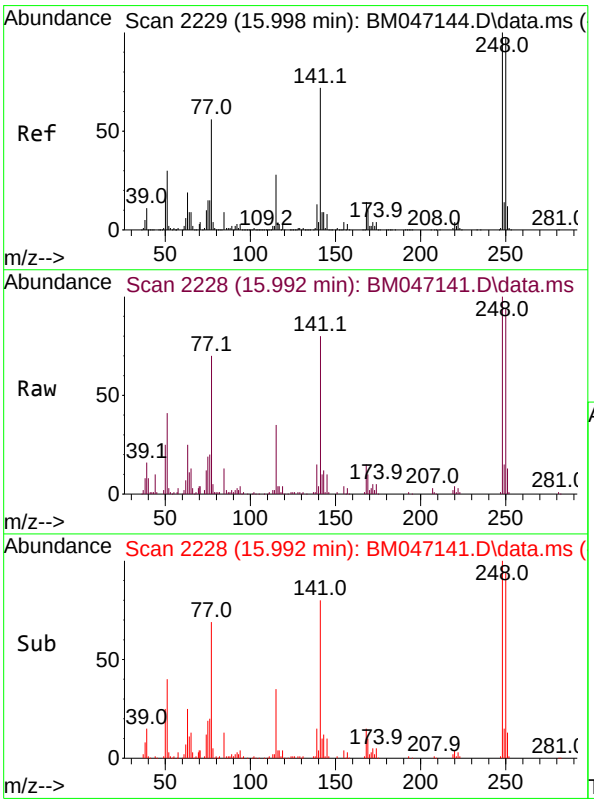
#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 15.315 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

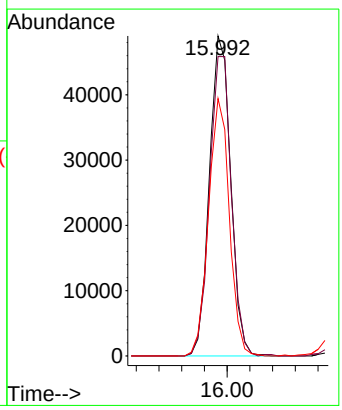


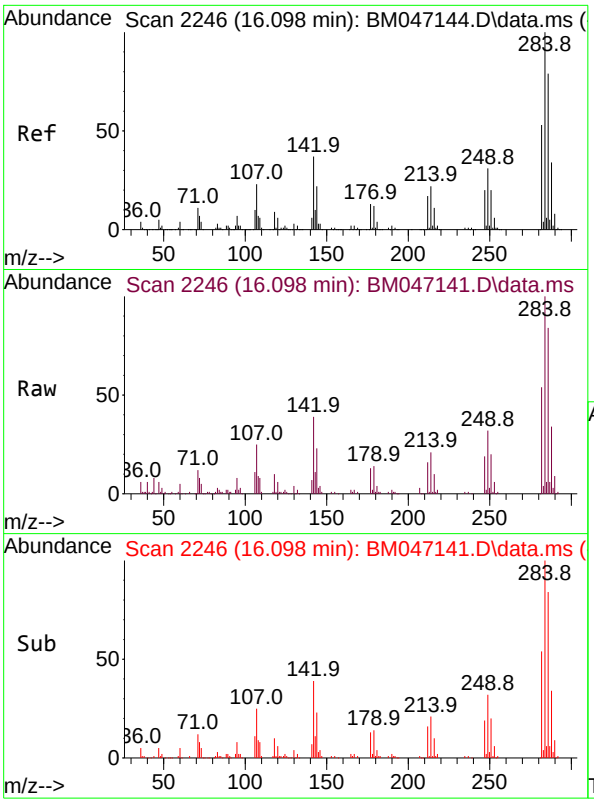


#67
4-Bromophenyl-phenylether
Concen: 4.937 ng
RT: 15.992 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



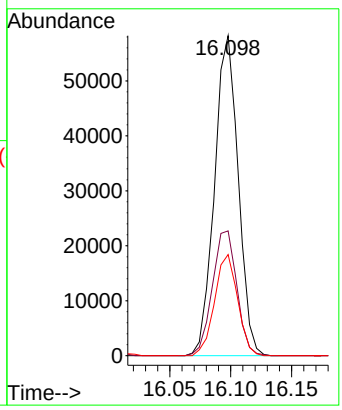


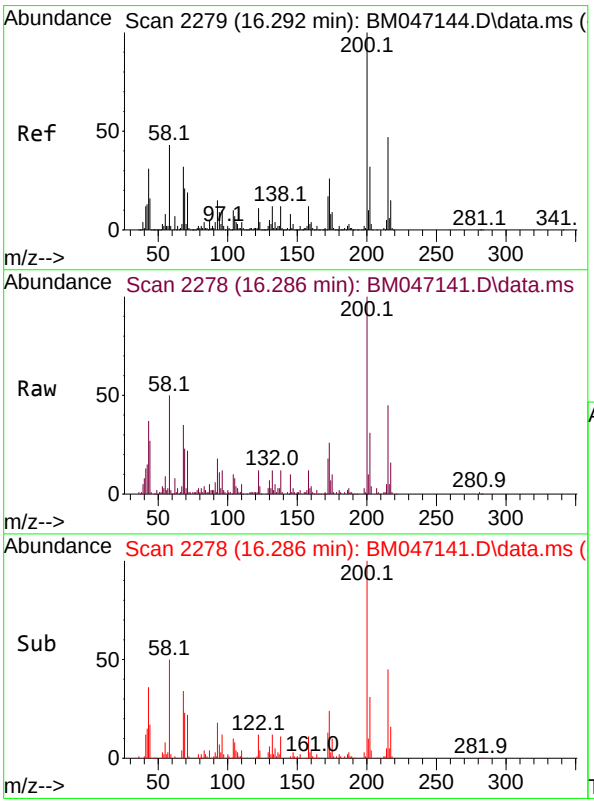
#68
Hexachlorobenzene
Concen: 5.114 ng
RT: 16.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

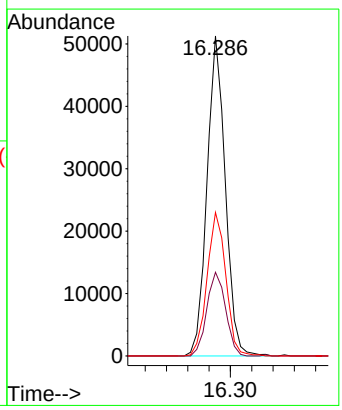


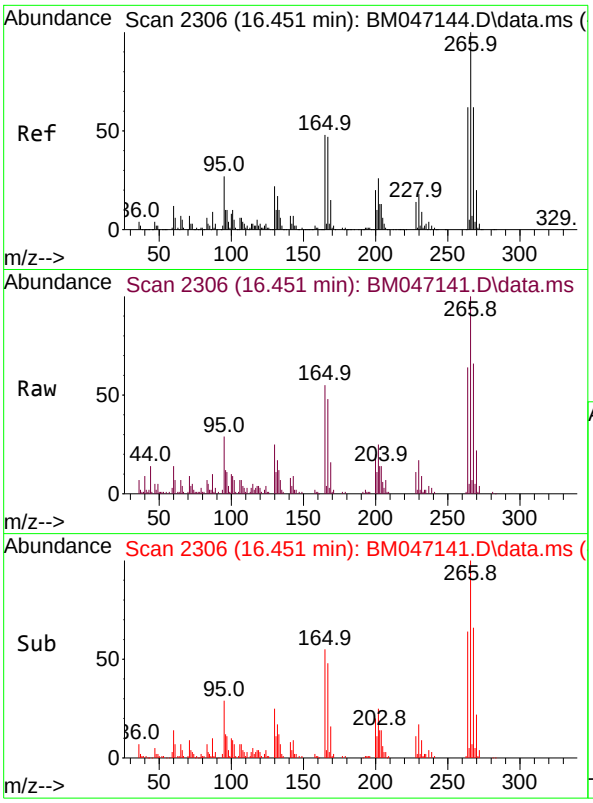


#69
Atrazine
Concen: 5.568 ng
RT: 16.286 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



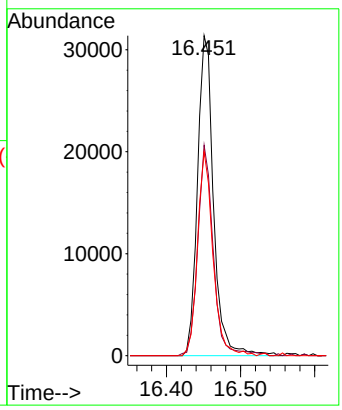


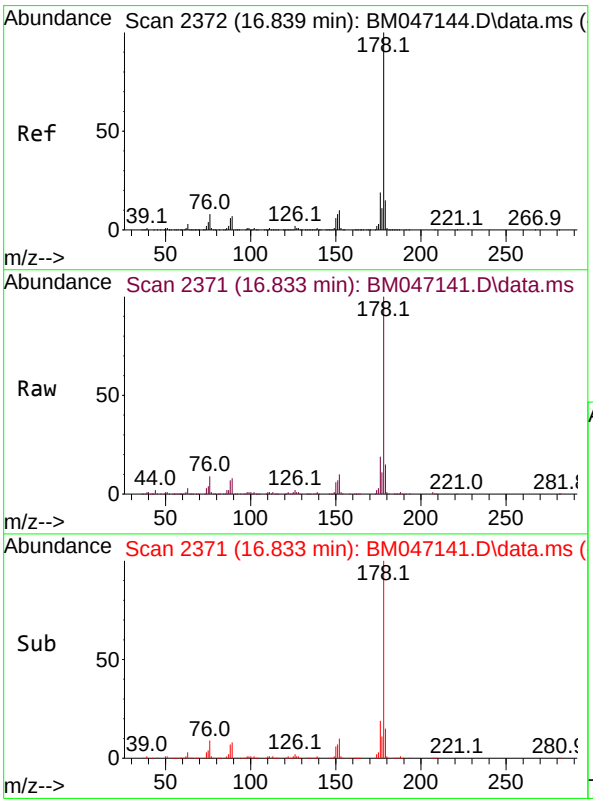
#70
Pentachlorophenol
Concen: 4.362 ng
RT: 16.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

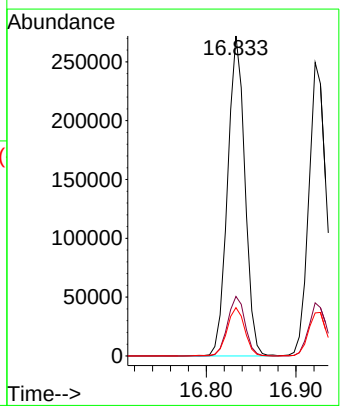


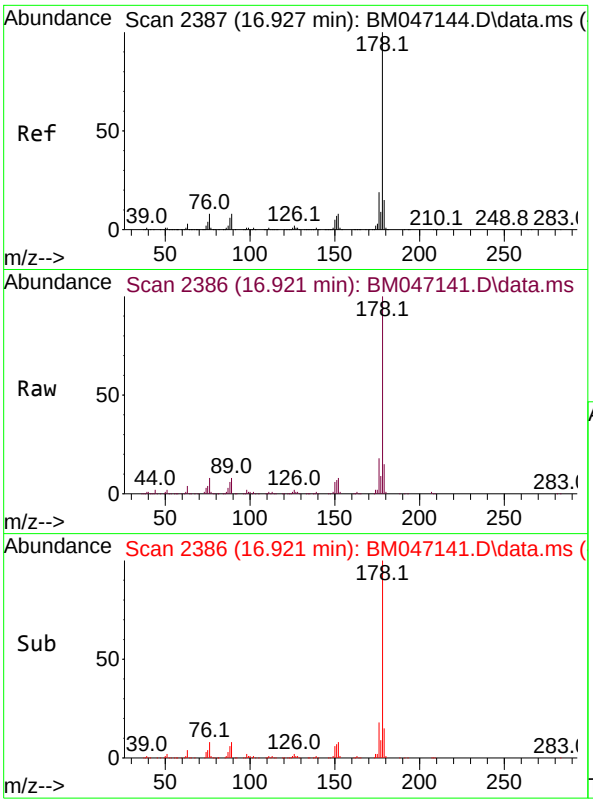


#71
Phenanthrene
Concen: 5.428 ng
RT: 16.833 min Scan# 2371
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



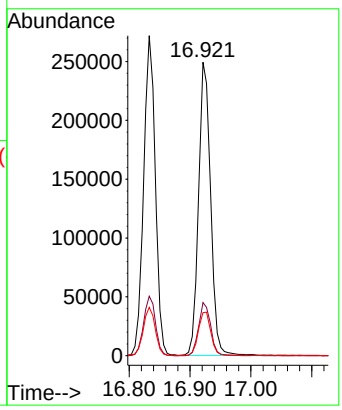


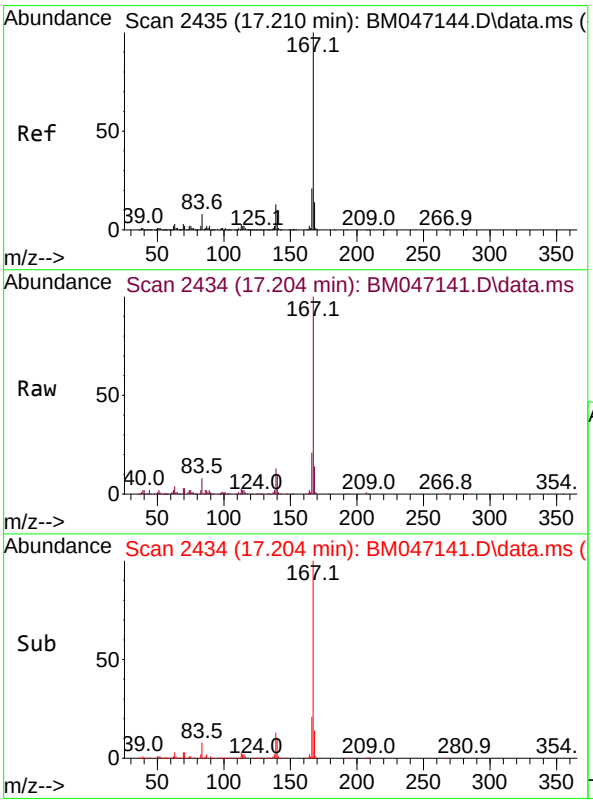
#72
Anthracene
Concen: 5.243 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

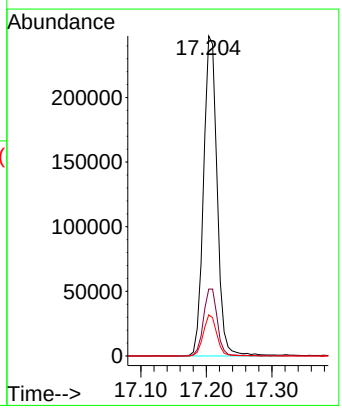


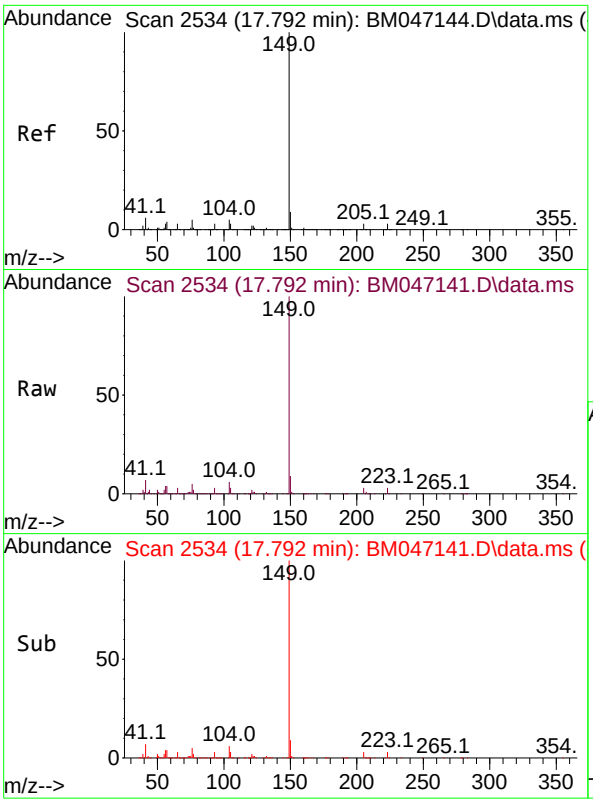


#73
Carbazole
Concen: 5.368 ng
RT: 17.204 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



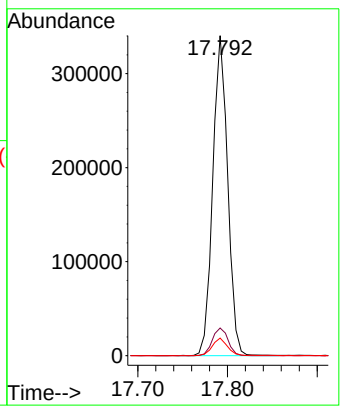


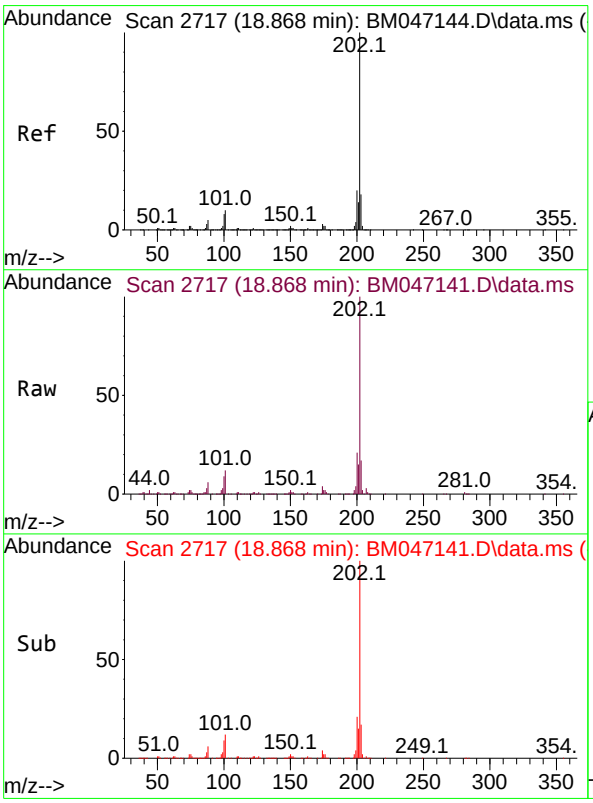
#74
Di-n-butylphthalate
Concen: 5.064 ng
RT: 17.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

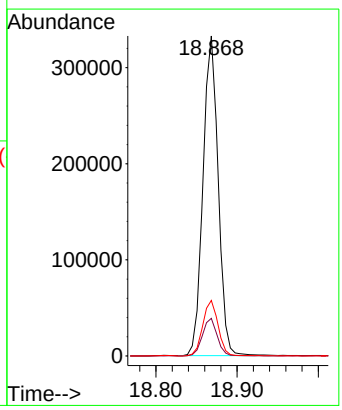


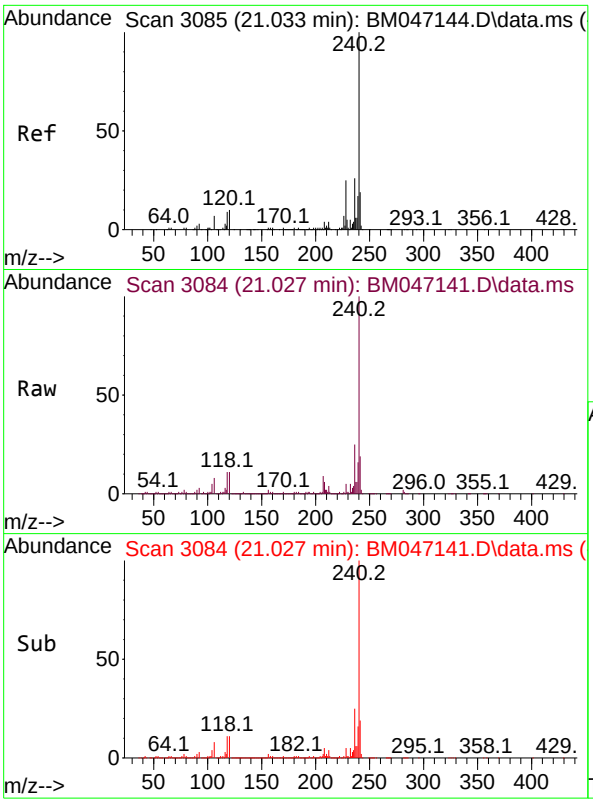


#75
Fluoranthene
Concen: 5.301 ng
RT: 18.868 min Scan# 2717
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



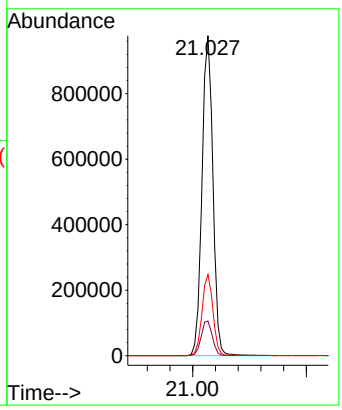


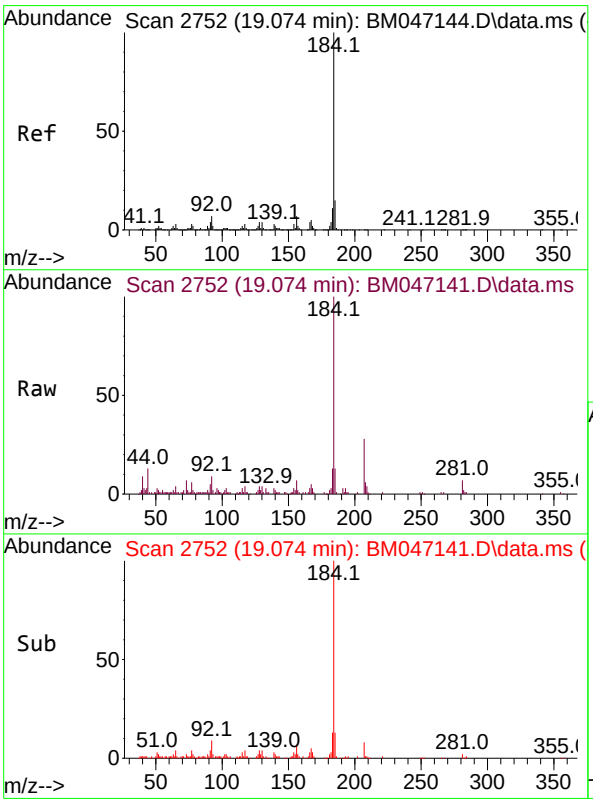
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

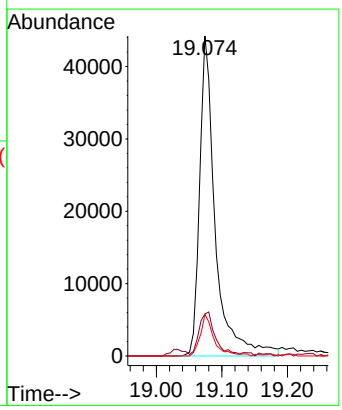


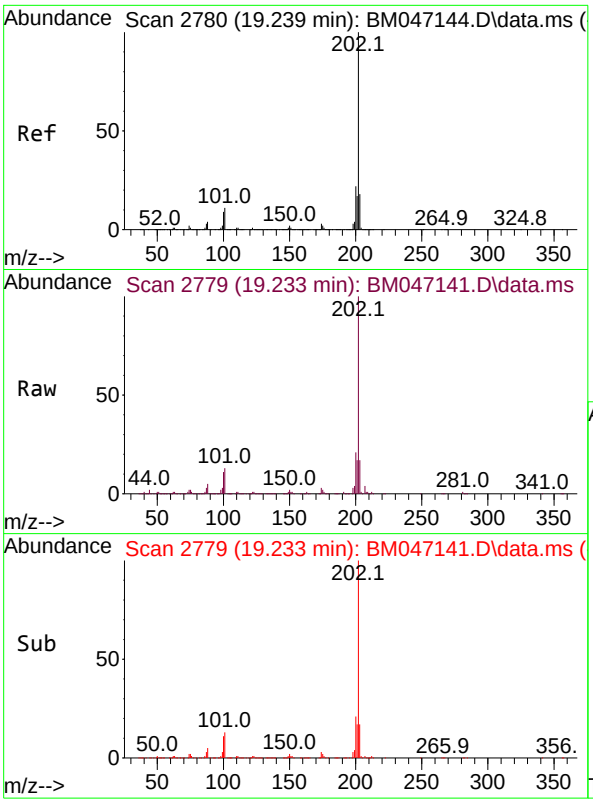


#77
Benzidine
Concen: 3.335 ng
RT: 19.074 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



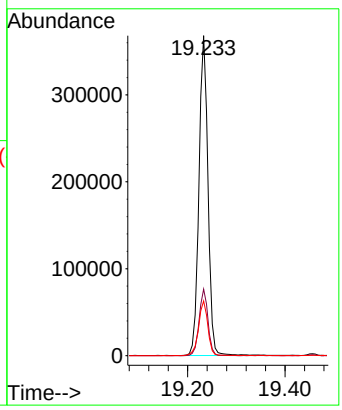


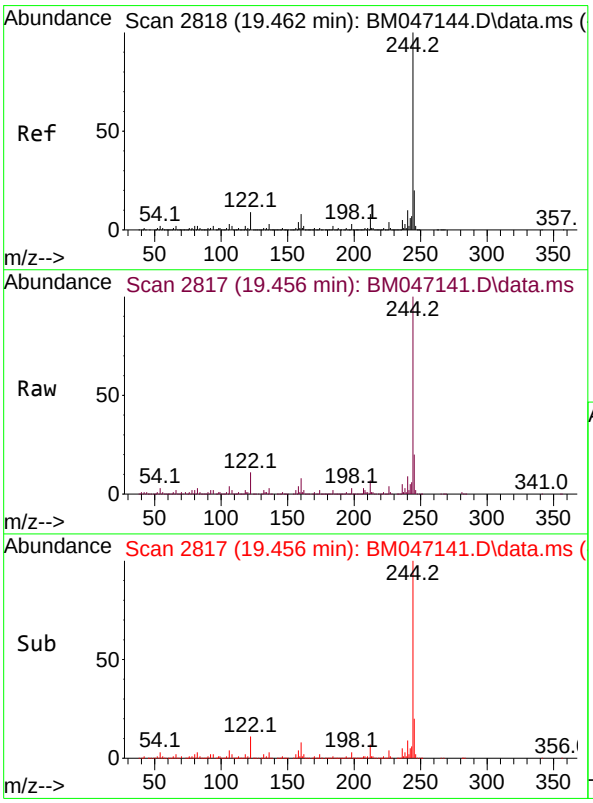
#78
Pyrene
Concen: 5.098 ng
RT: 19.233 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

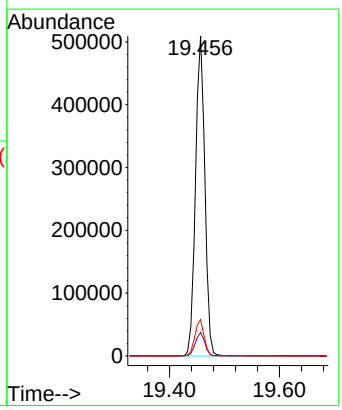


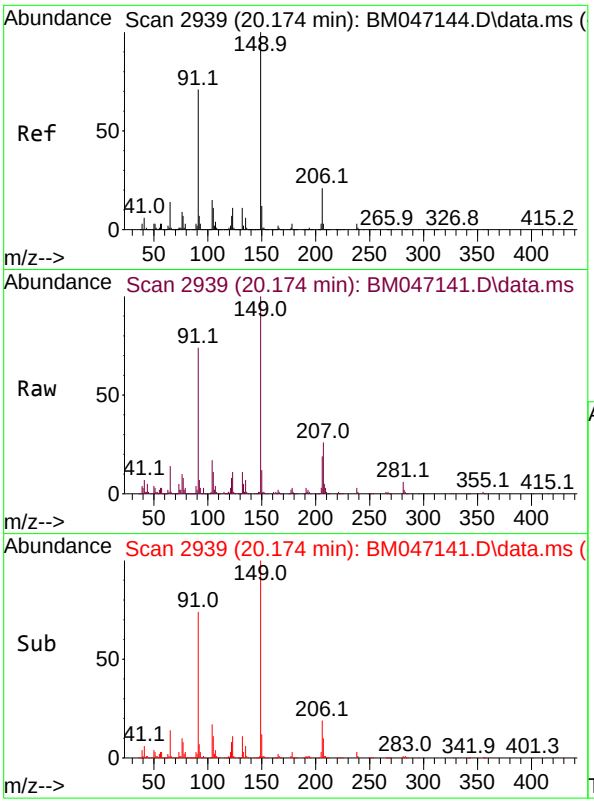


#79
Terphenyl-d14
Concen: 9.901 ng
RT: 19.456 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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#



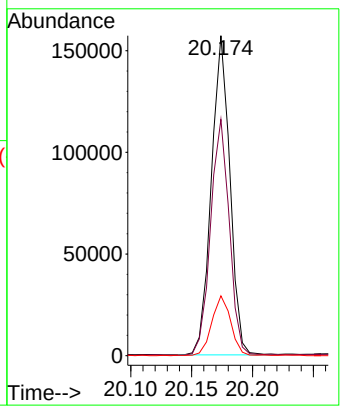


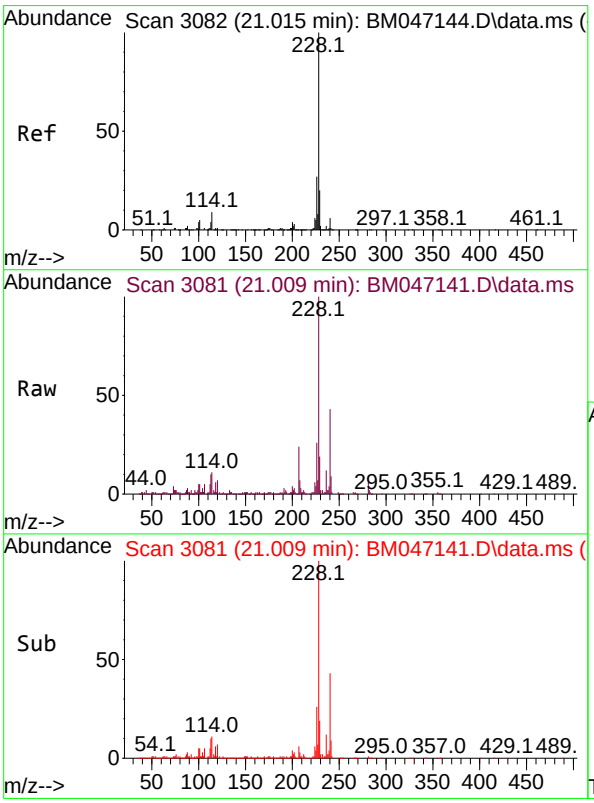
#80
Butylbenzylphthalate
Concen: 4.381 ng
RT: 20.174 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

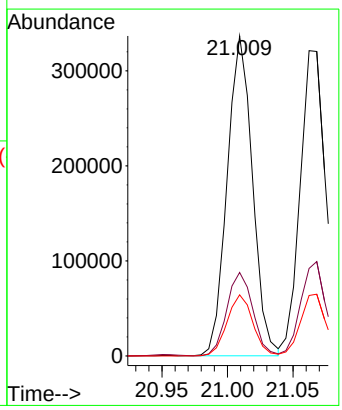


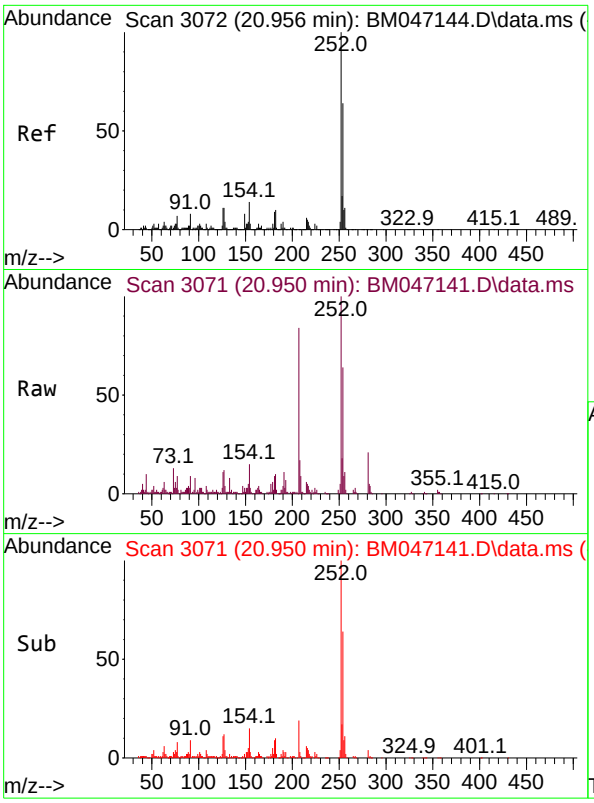


#81
Benzo(a)anthracene
Concen: 5.236 ng
RT: 21.009 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



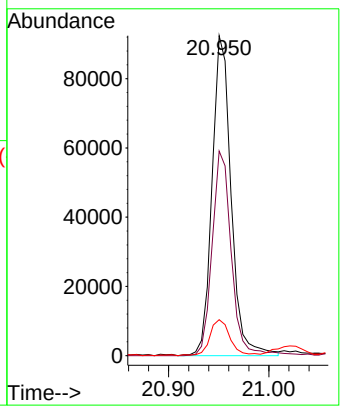


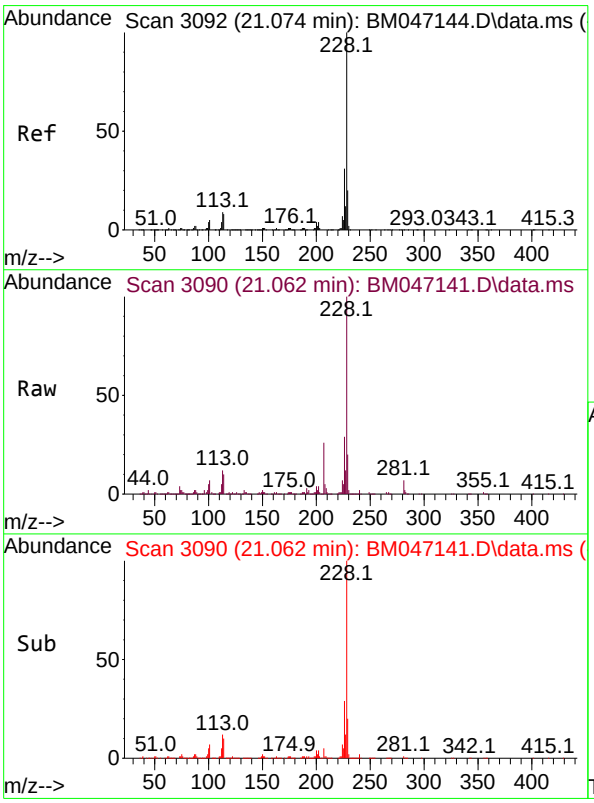
#82
3,3'-Dichlorobenzidine
Concen: 4.493 ng
RT: 20.950 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

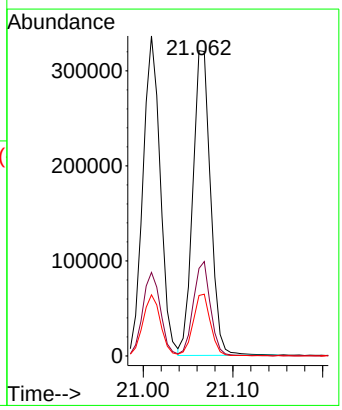


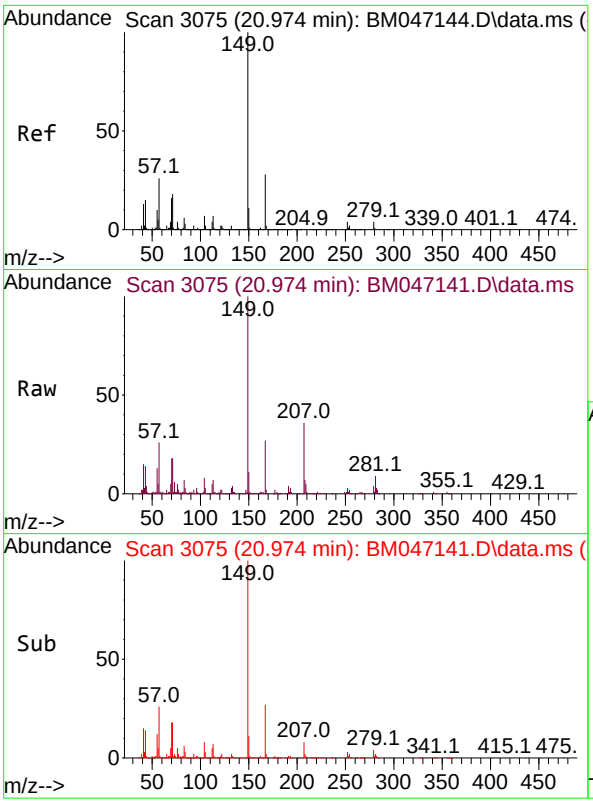


#83
Chrysene
Concen: 5.360 ng
RT: 21.062 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



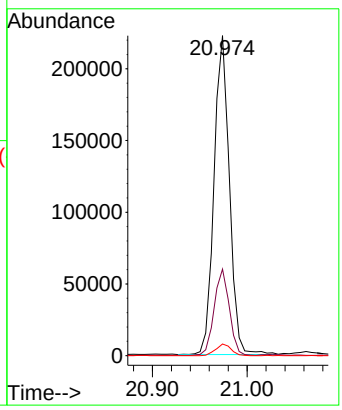


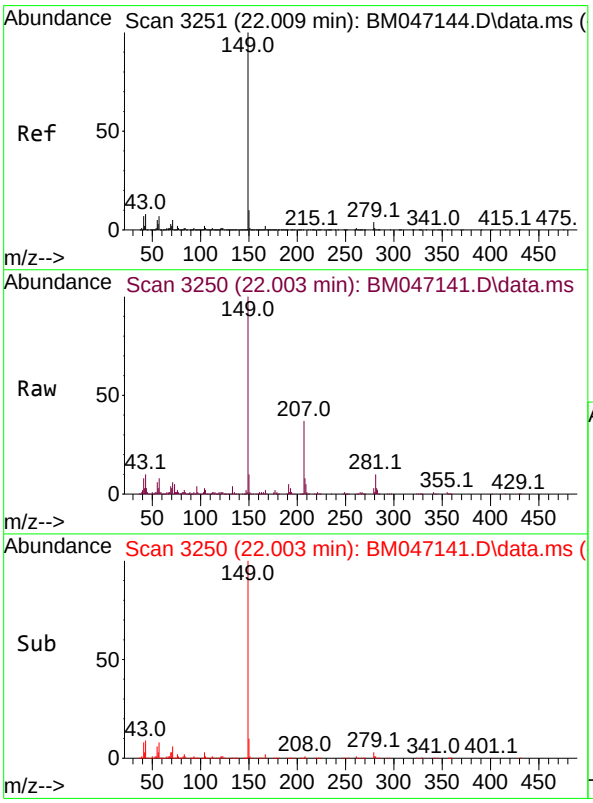
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.665 ng
RT: 20.974 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

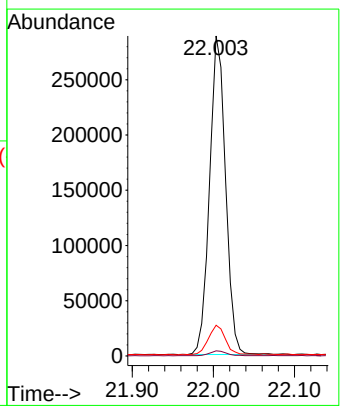


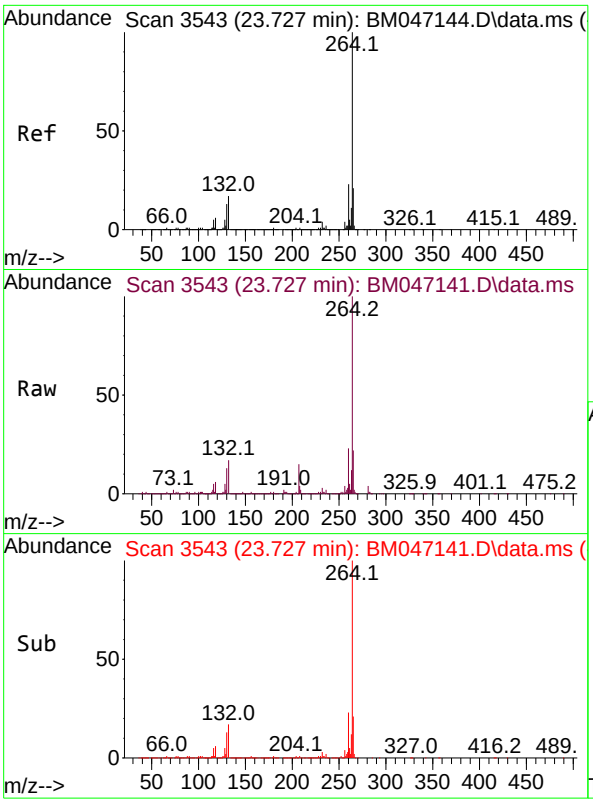


#85
Di-n-octyl phthalate
Concen: 4.315 ng
RT: 22.003 min Scan# 3250
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



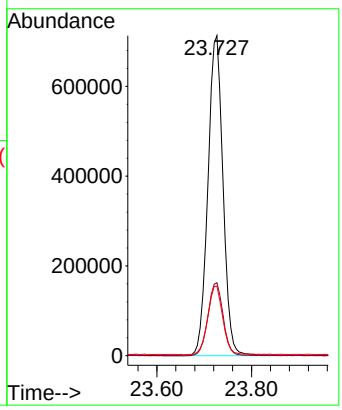


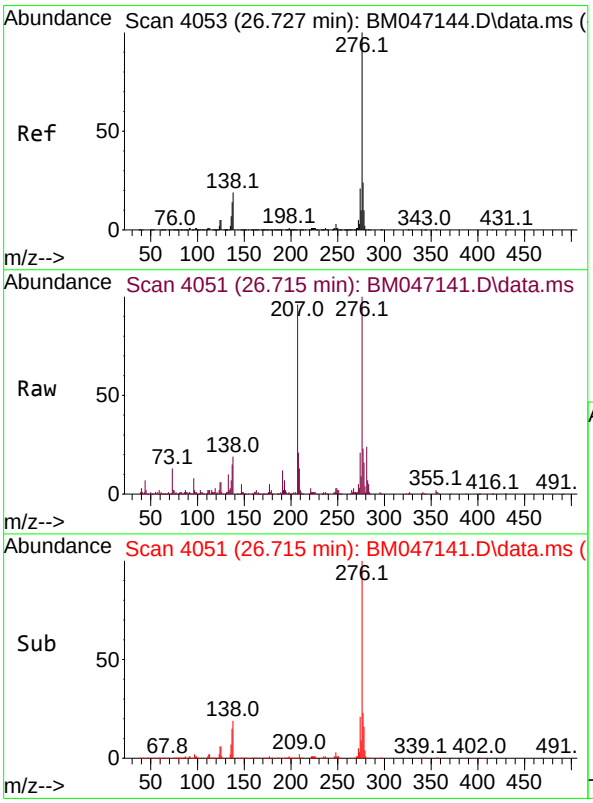
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

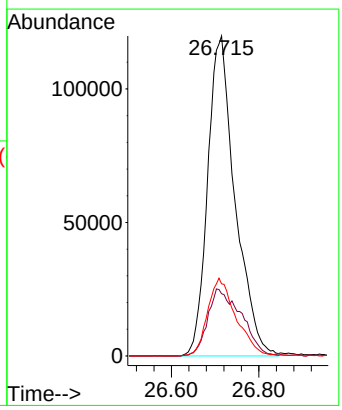


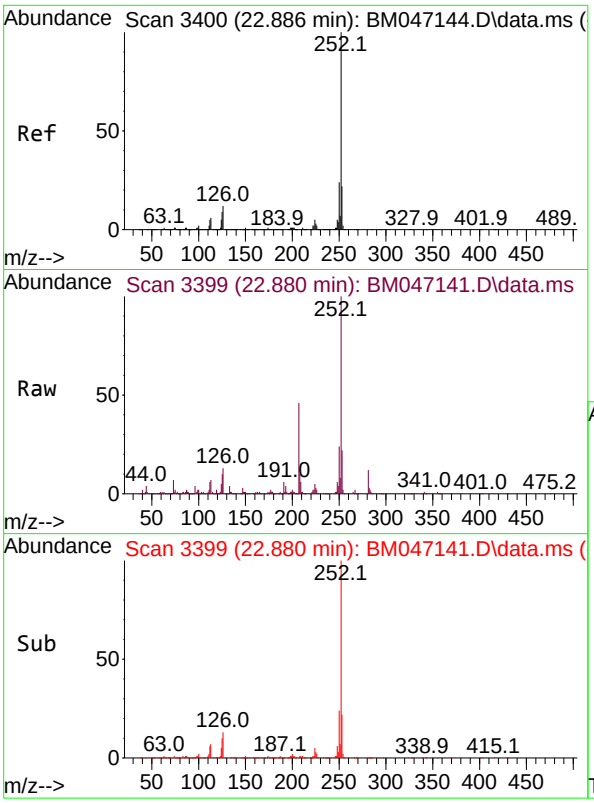


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.130 ng
RT: 26.715 min Scan# 4051
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



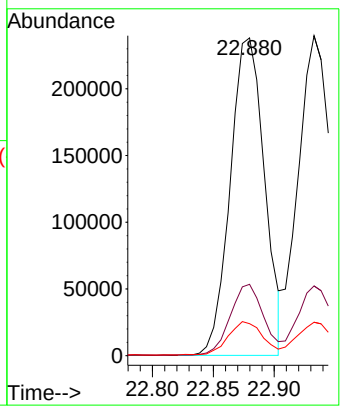


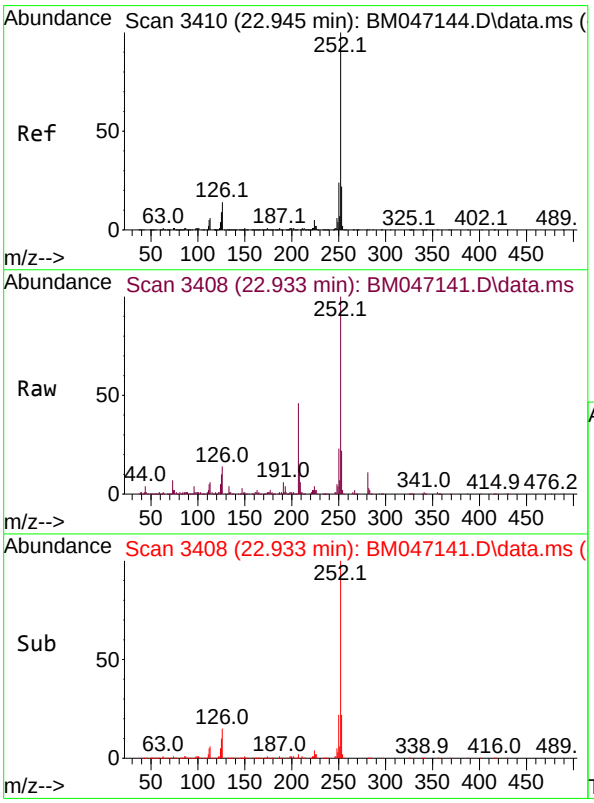
#88
Benzo(b)fluoranthene
Concen: 4.975 ng
RT: 22.880 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

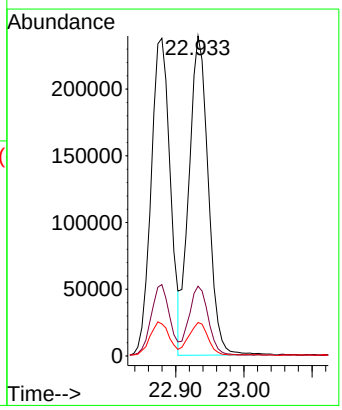


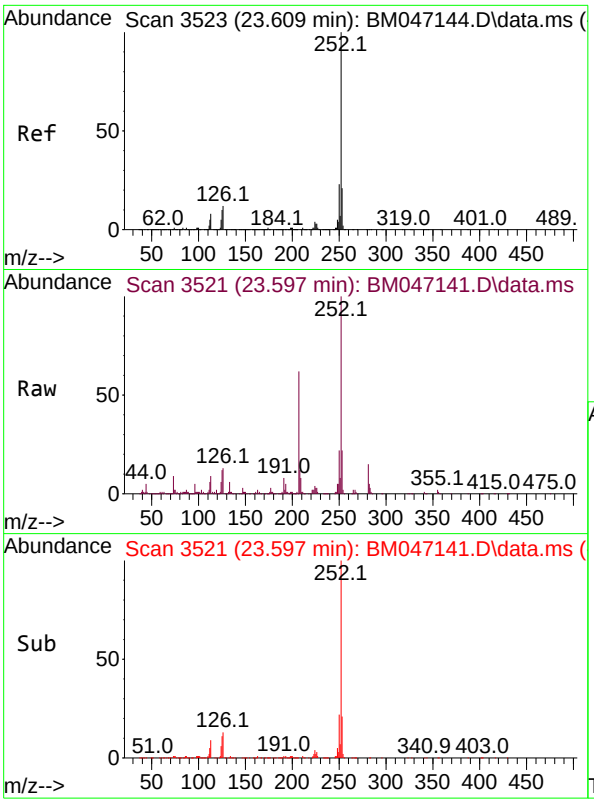


#89
Benzo(k)fluoranthene
Concen: 5.314 ng
RT: 22.933 min Scan# 3408
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



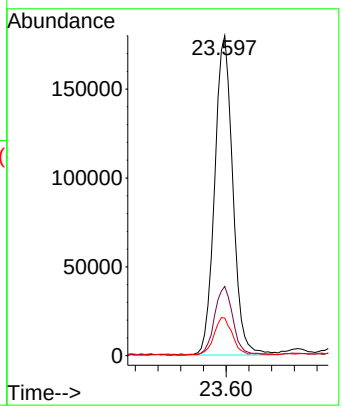


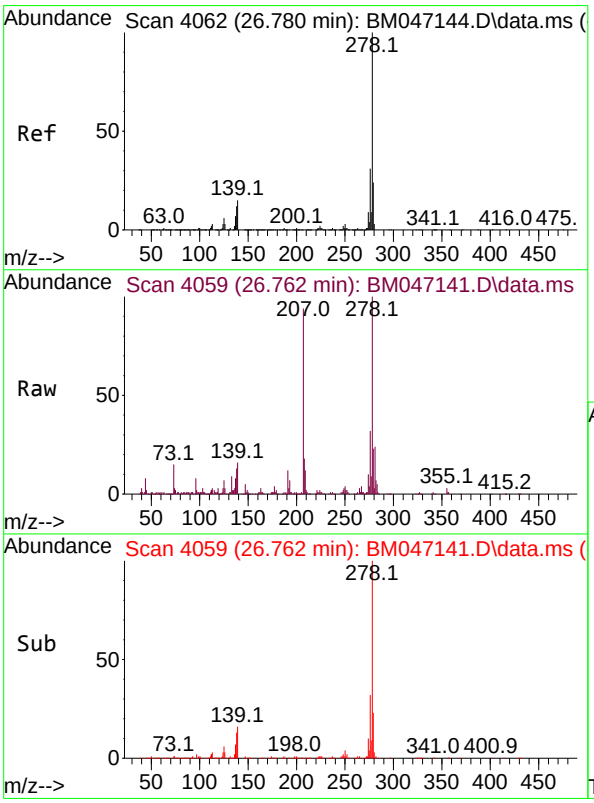
#90
Benzo(a)pyrene
Concen: 4.929 ng
RT: 23.597 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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

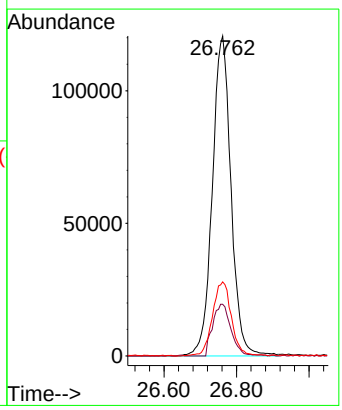


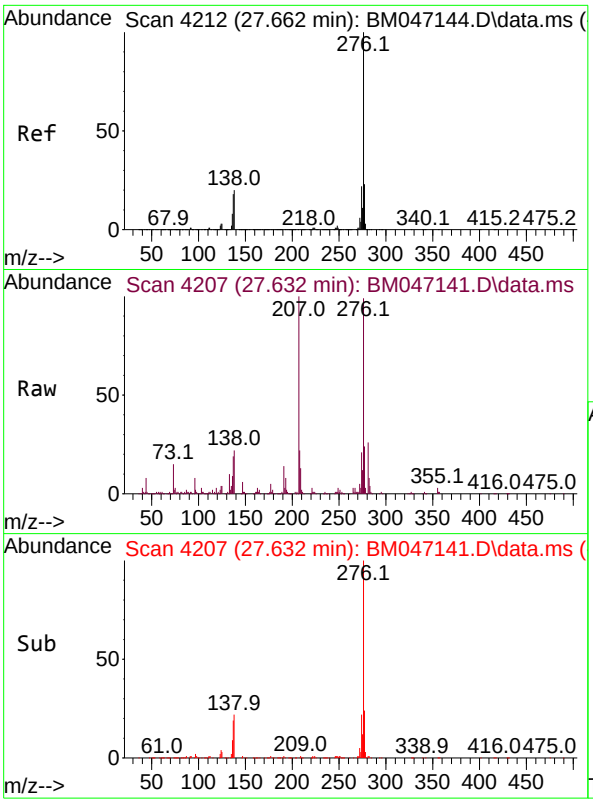


#91
Dibenzo(a,h)anthracene
Concen: 5.237 ng
RT: 26.762 min Scan# 4059
Delta R.T. -0.018 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



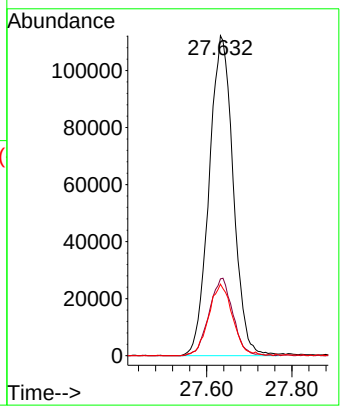


#92
Benzo(g,h,i)perylene
Concen: 5.151 ng
RT: 27.632 min Scan# 4
Delta R.T. -0.030 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

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



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

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

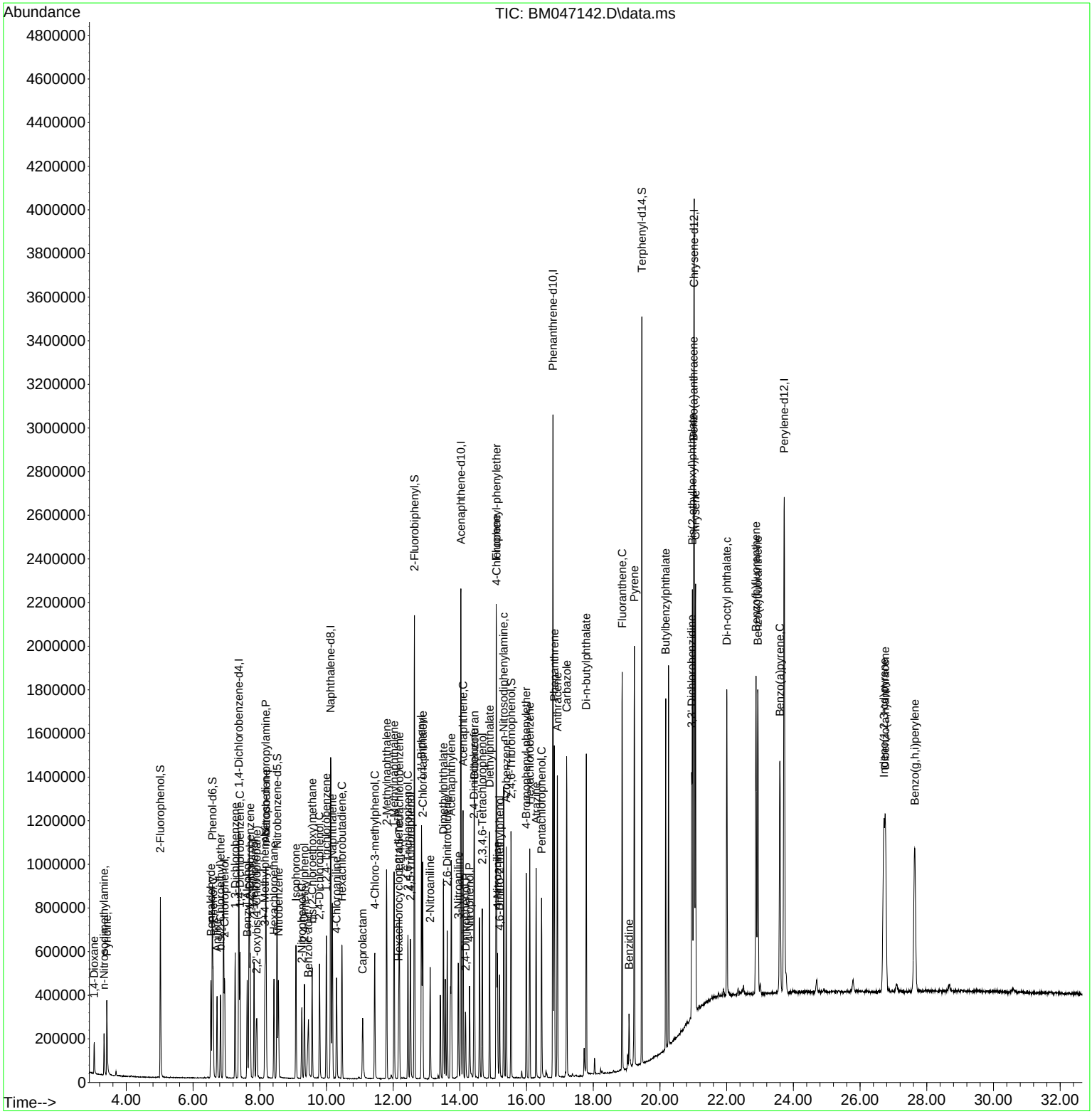
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	161605	9.520	ng	98
46) 1,1'-Biphenyl	12.851	154	584326	10.407	ng	99
47) 2-Chloronaphthalene	12.886	162	460927	10.503	ng	99
48) 2-Nitroaniline	13.110	65	136444	9.925	ng	95
49) Acenaphthylene	13.745	152	669998	10.358	ng	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

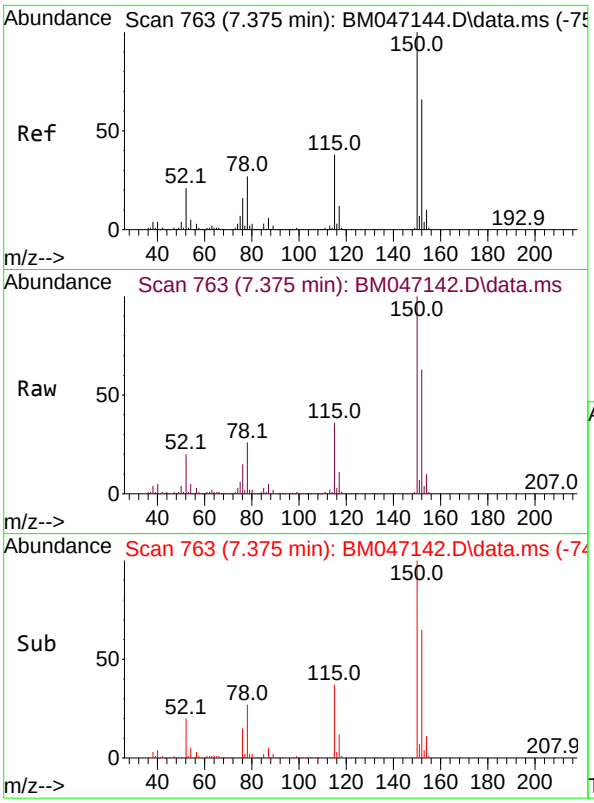
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



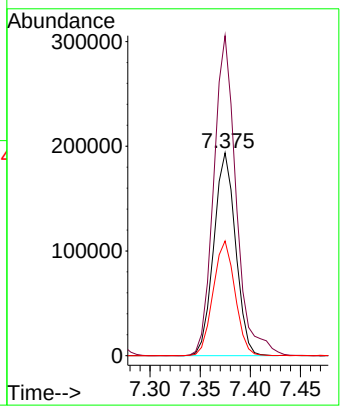


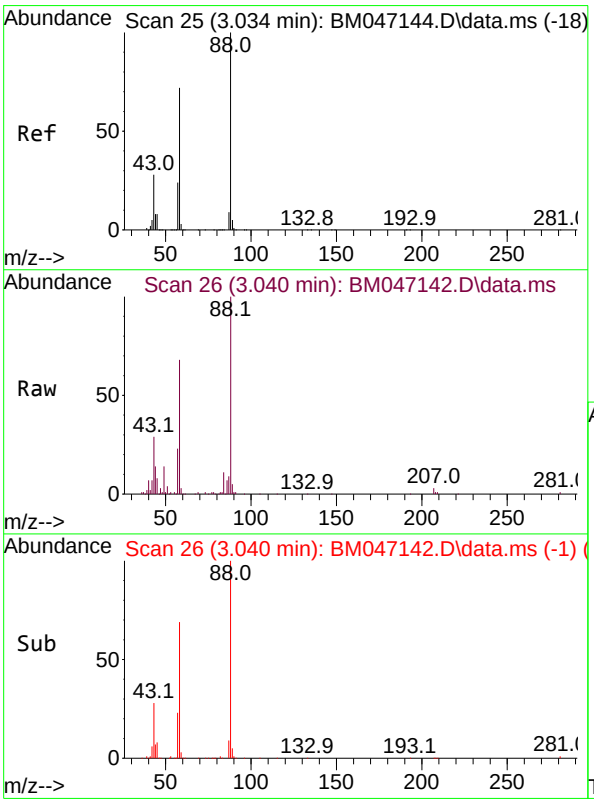
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

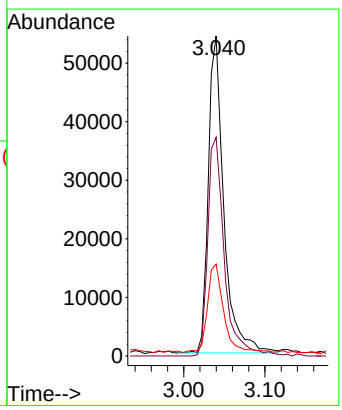


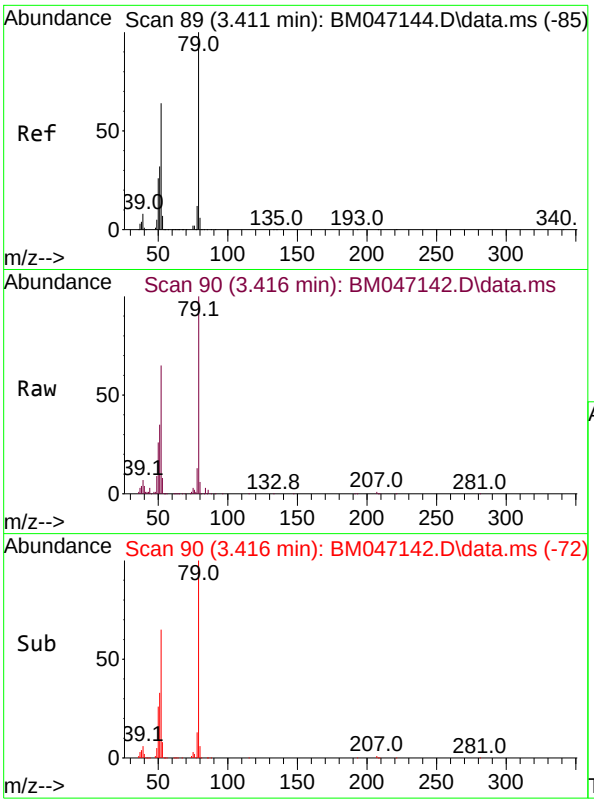


#2
1,4-Dioxane
Concen: 10.561 ng
RT: 3.040 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



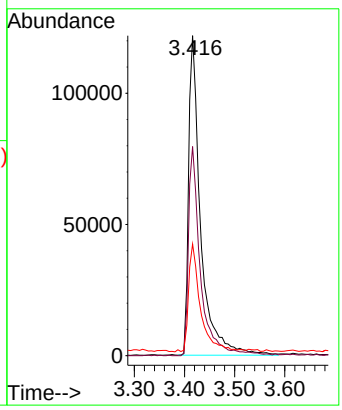


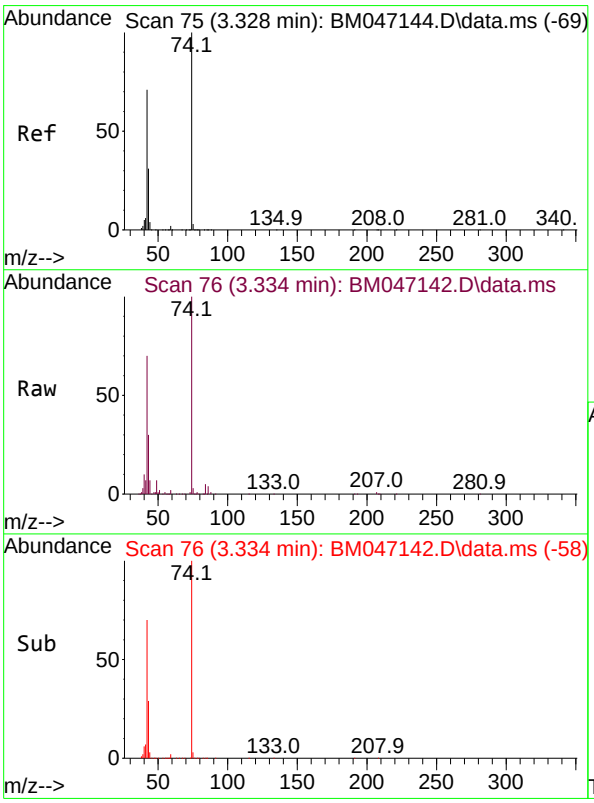
#3
Pyridine
Concen: 10.230 ng
RT: 3.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

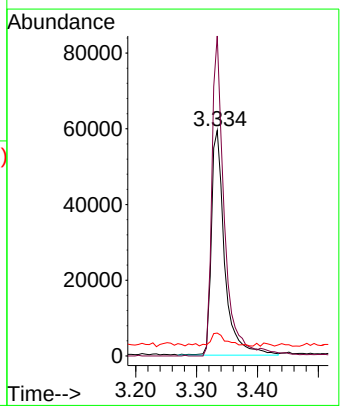


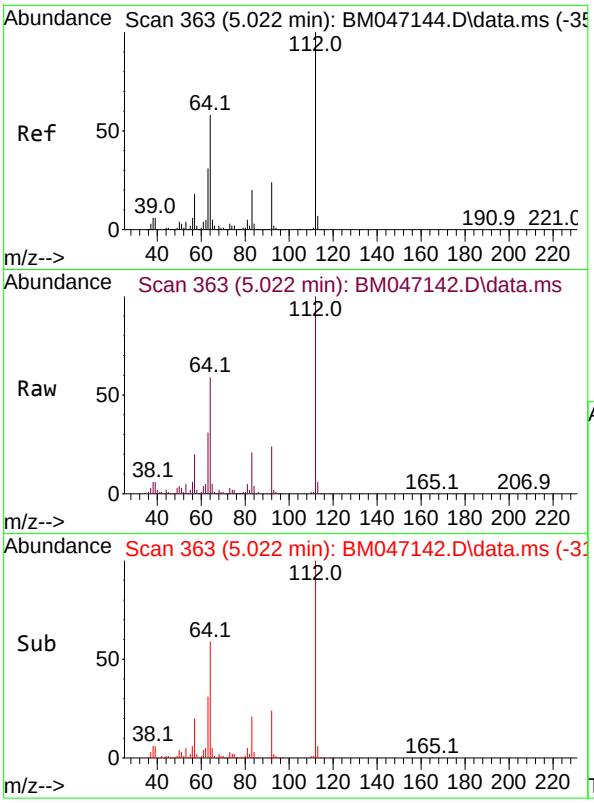


#4
n-Nitrosodimethylamine
Concen: 10.302 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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#



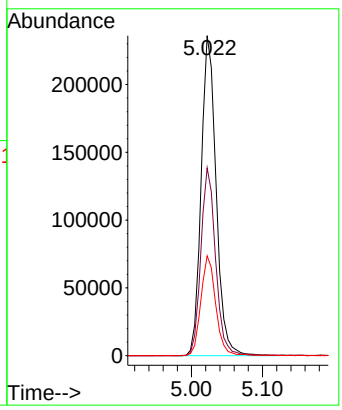


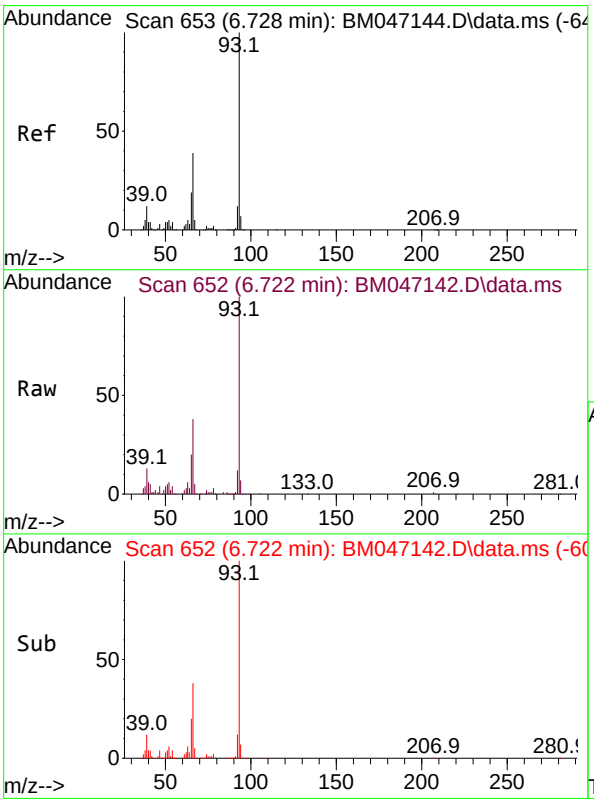
#5
2-Fluorophenol
Concen: 21.159 ng
RT: 5.022 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

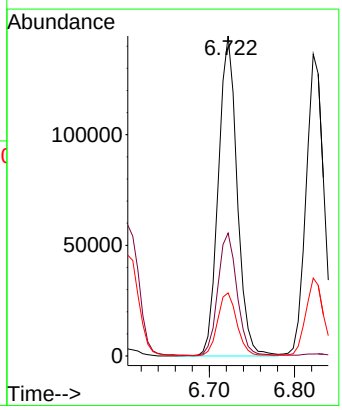


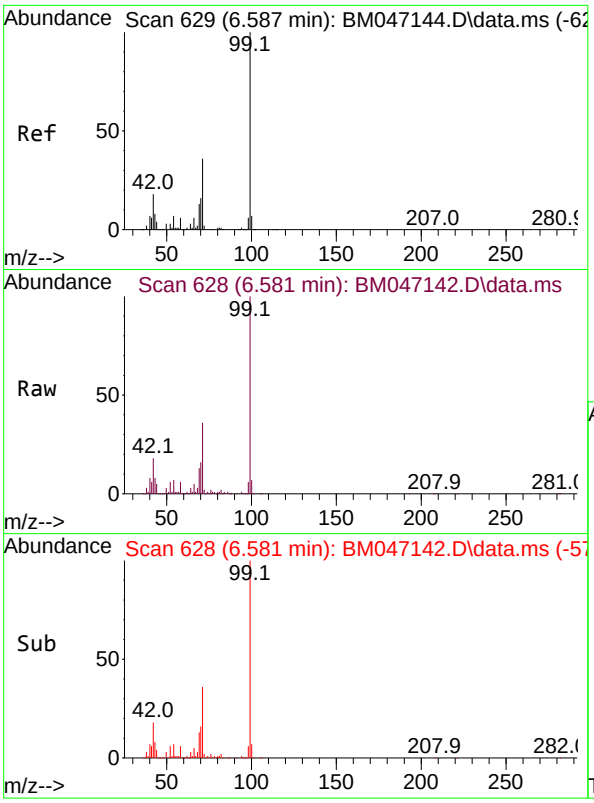


#6
Aniline
Concen: 10.397 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



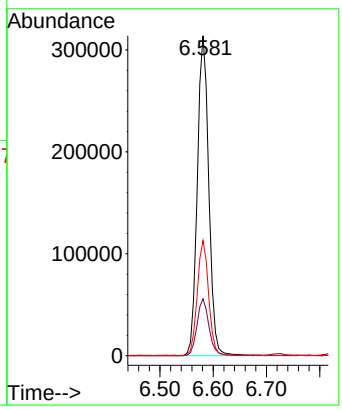


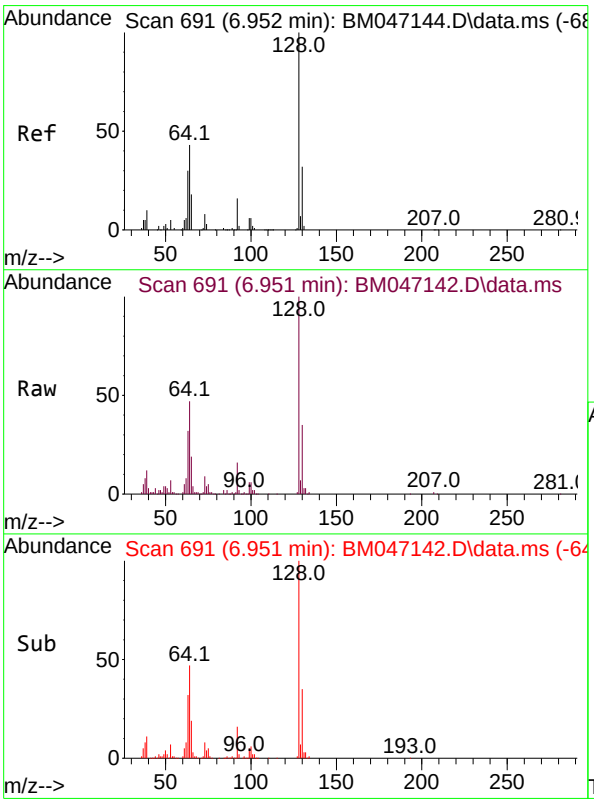
#7
Phenol-d6
Concen: 20.730 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

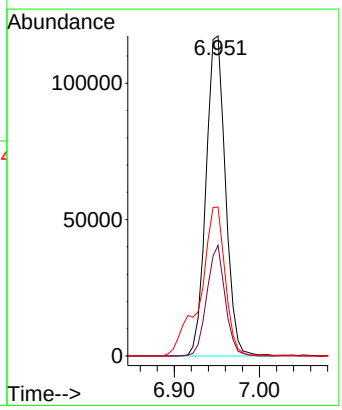


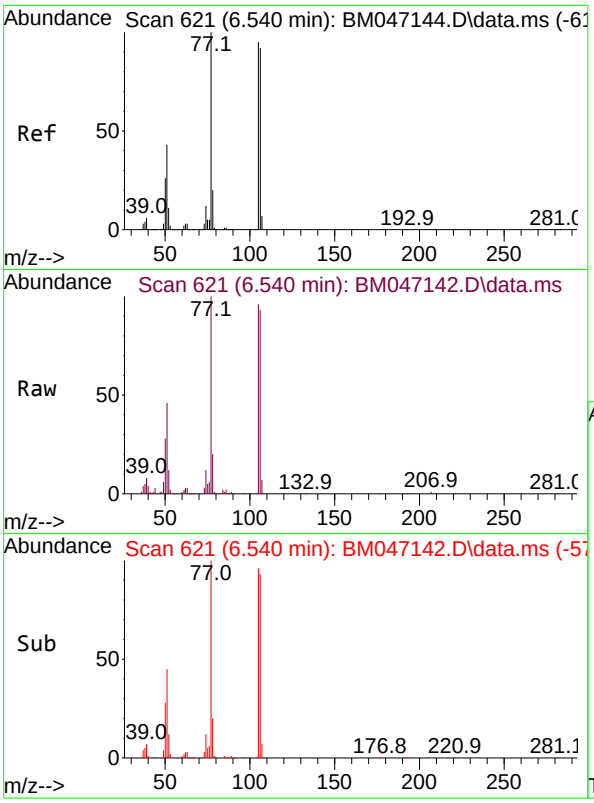


#8
2-Chlorophenol
Concen: 10.412 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



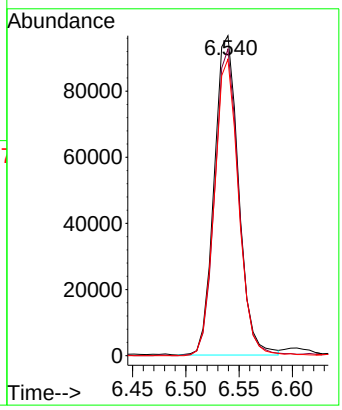


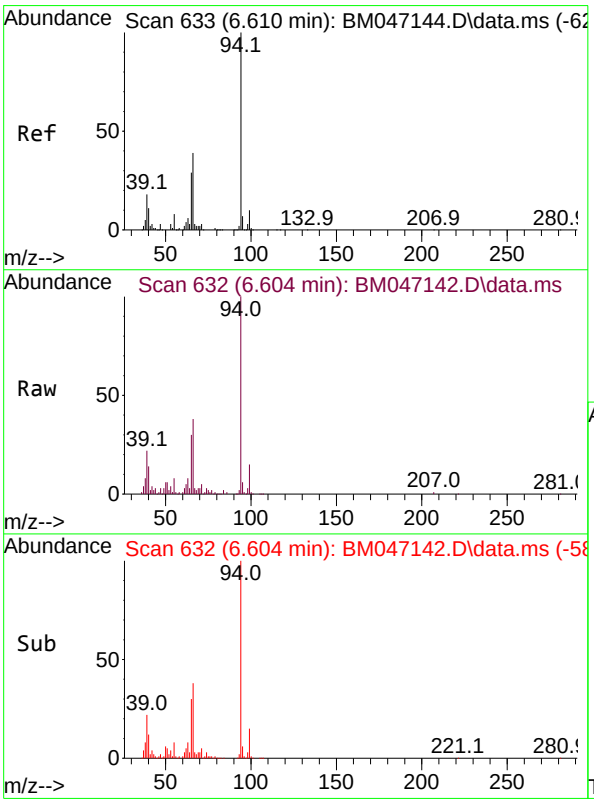
#9
Benzaldehyde
Concen: 9.573 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

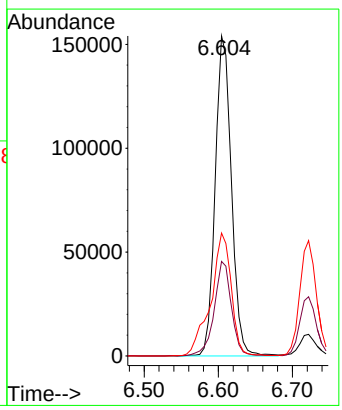


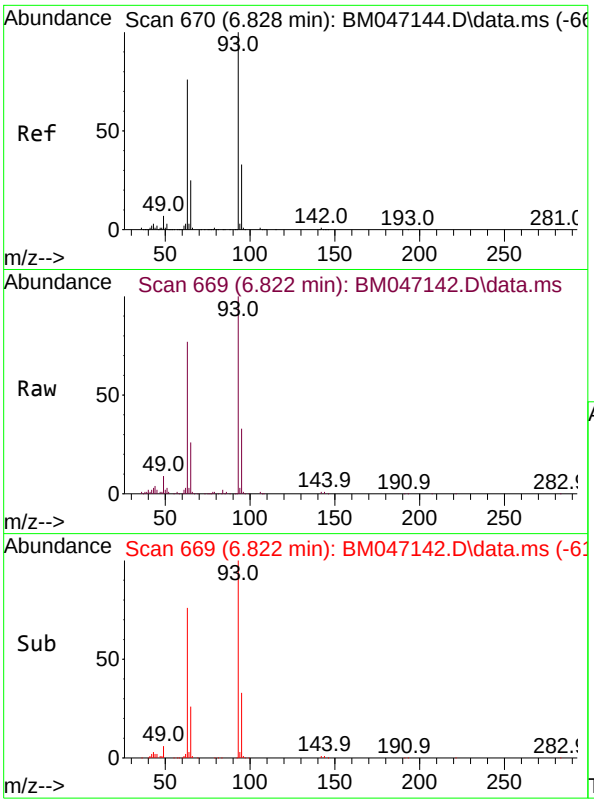


#10
Phenol
Concen: 10.395 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



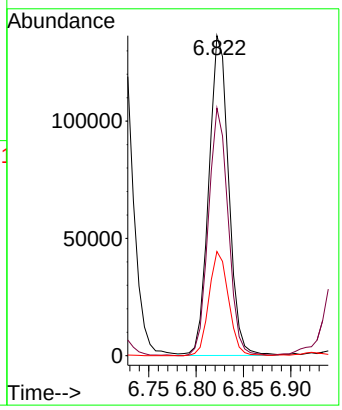


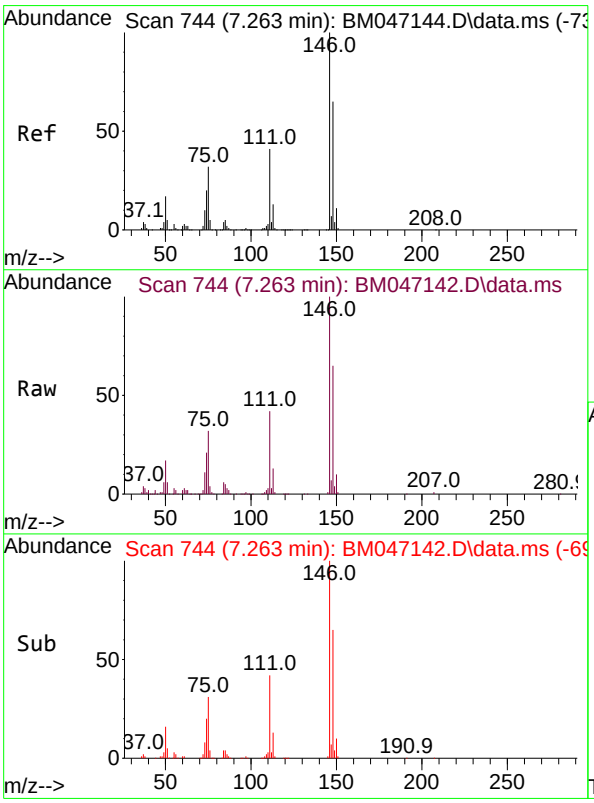
#11
bis(2-Chloroethyl)ether
Concen: 10.325 ng
RT: 6.822 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

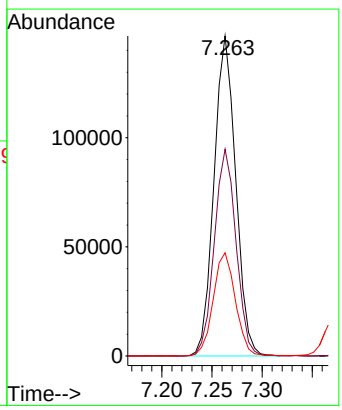


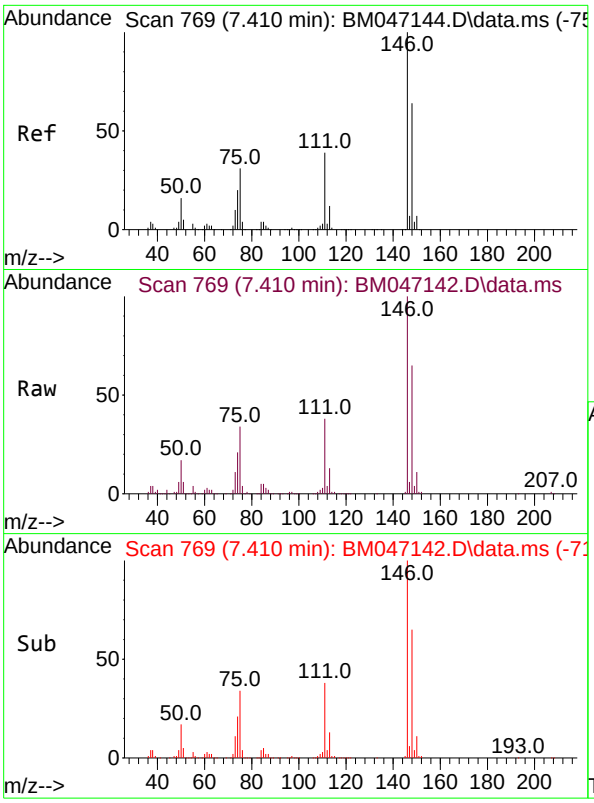


#12
1,3-Dichlorobenzene
Concen: 10.384 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



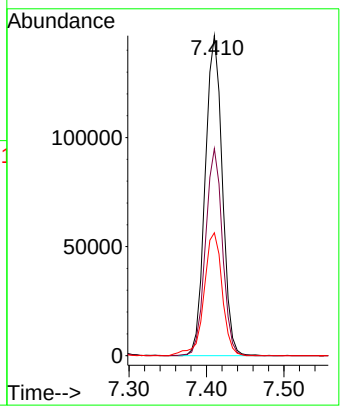


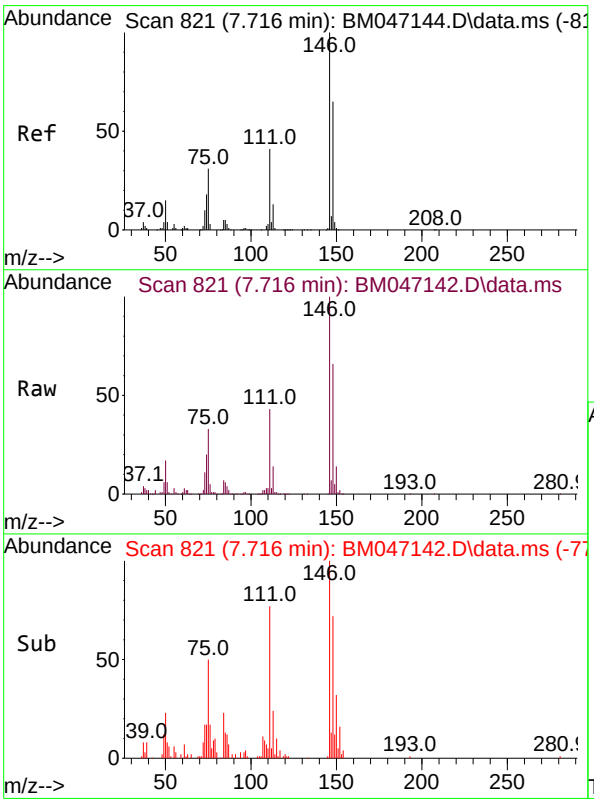
#13
1,4-Dichlorobenzene
Concen: 10.431 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

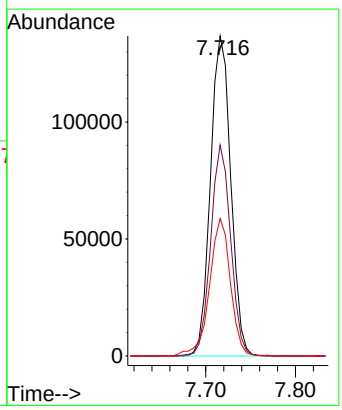


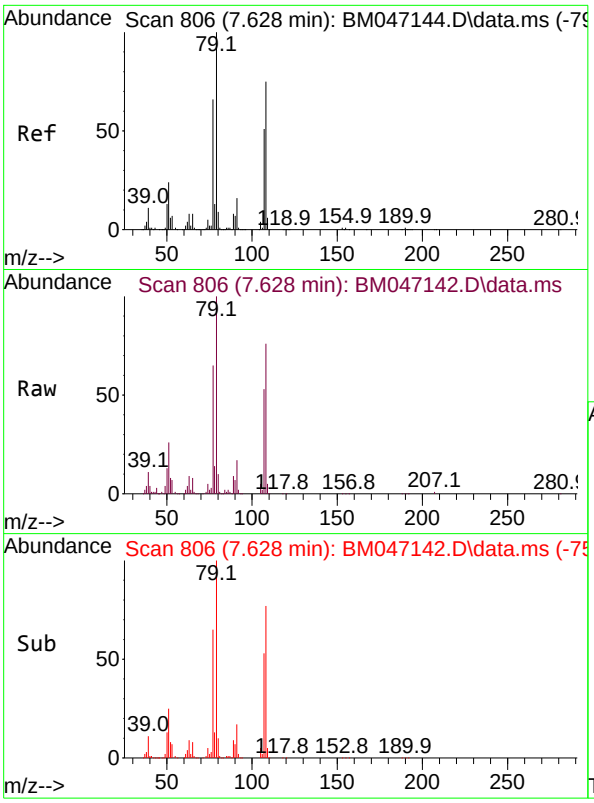


#14
1,2-Dichlorobenzene
Concen: 10.596 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



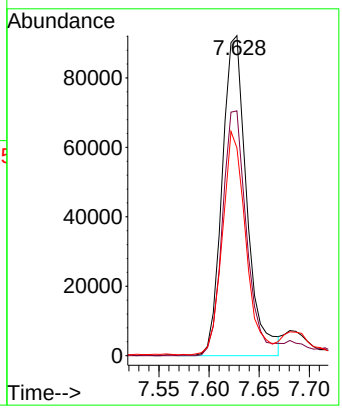


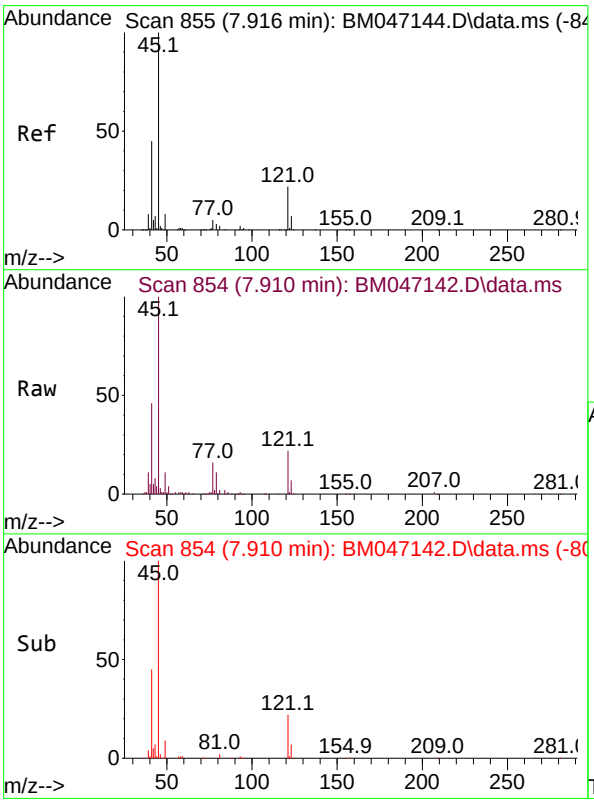
#15
Benzyl Alcohol
Concen: 9.781 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

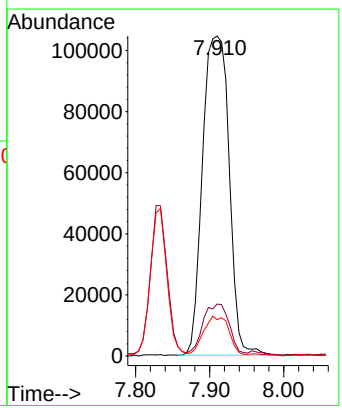


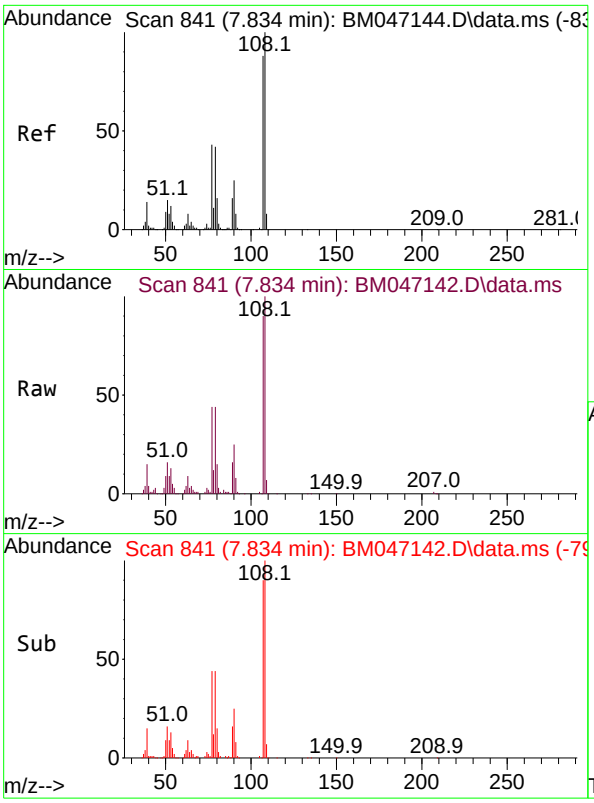


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.497 ng
RT: 7.910 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



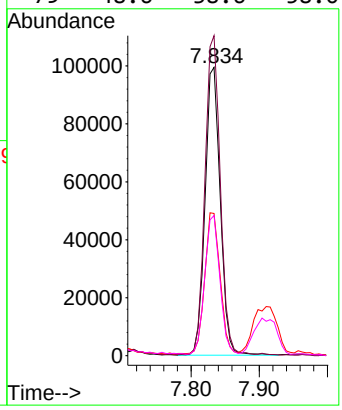


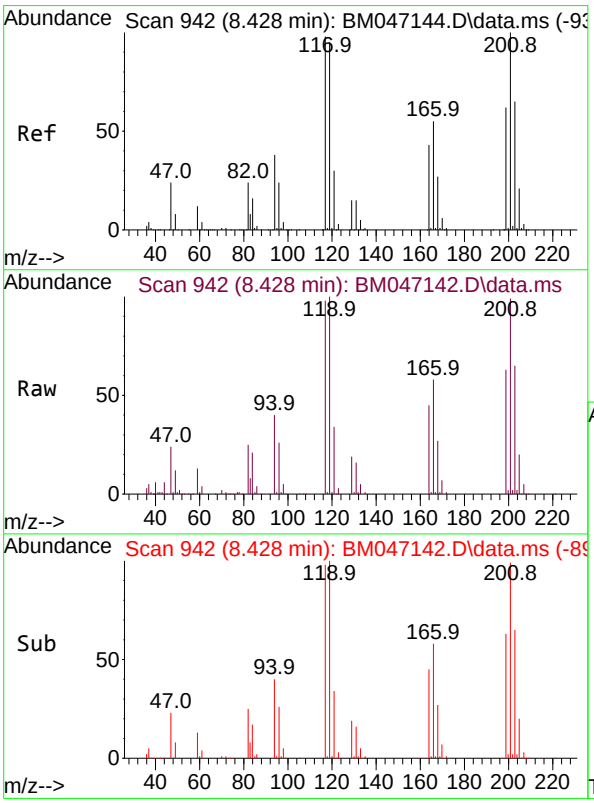
#17
2-Methylphenol
Concen: 10.274 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

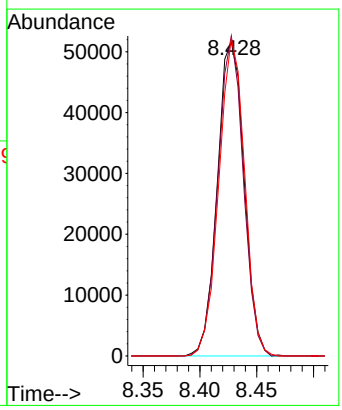


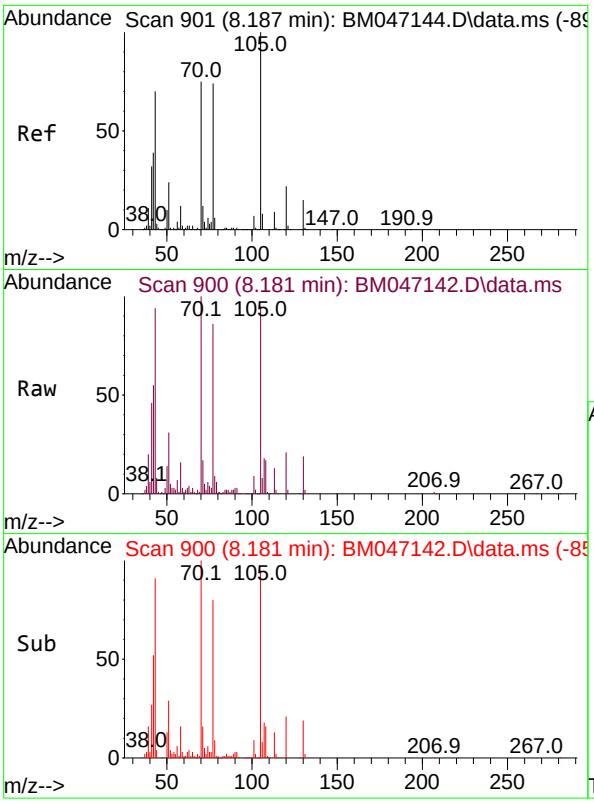


#18
Hexachloroethane
Concen: 10.149 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



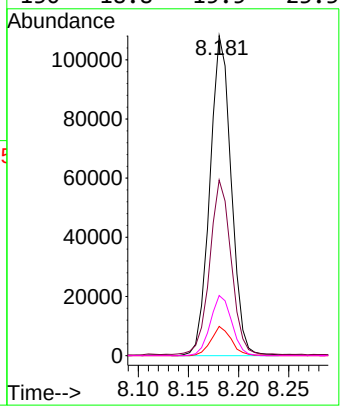


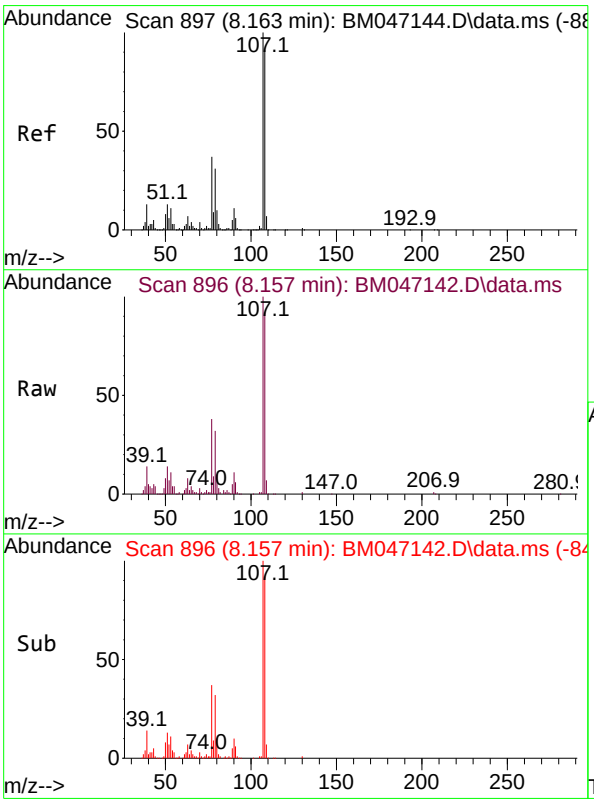
#19
n-Nitroso-di-n-propylamine
Concen: 10.544 ng
RT: 8.181 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

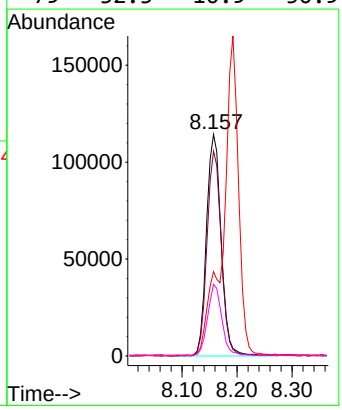


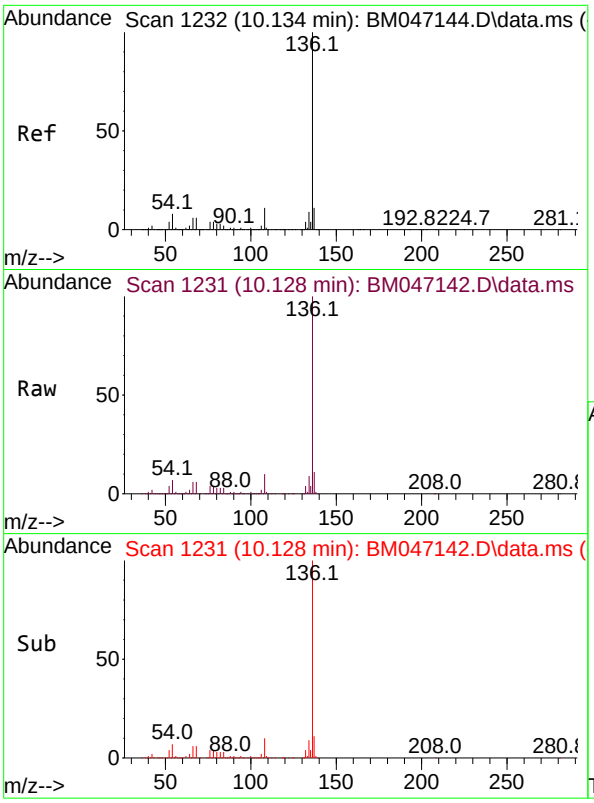


#20
3+4-Methylphenols
Concen: 10.048 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



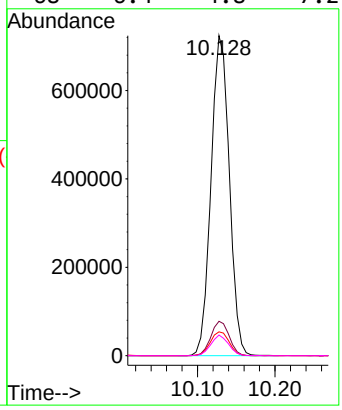


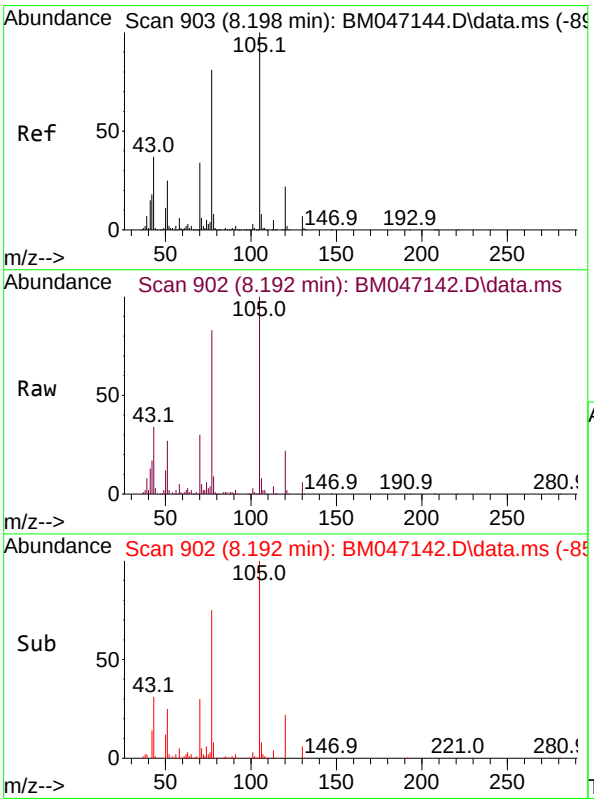
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

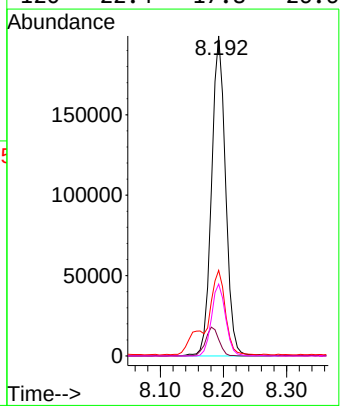


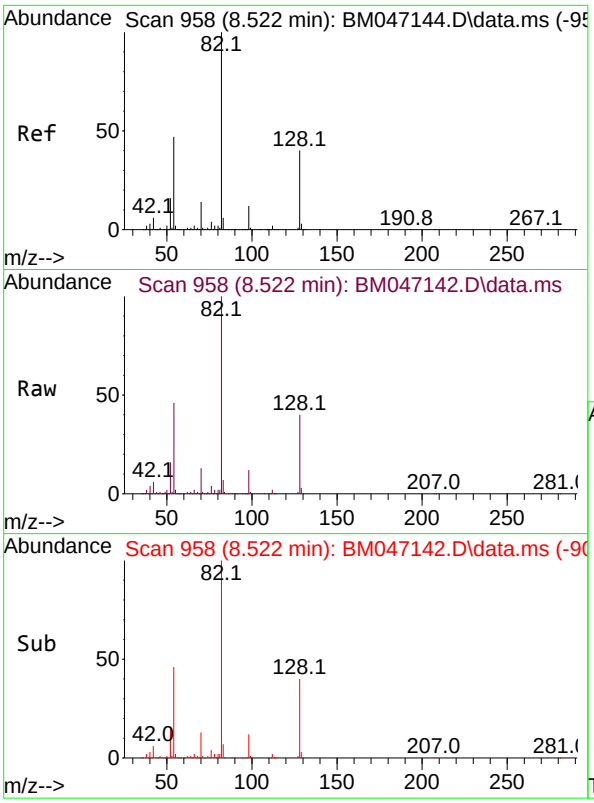


#22
Acetophenone
Concen: 10.711 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



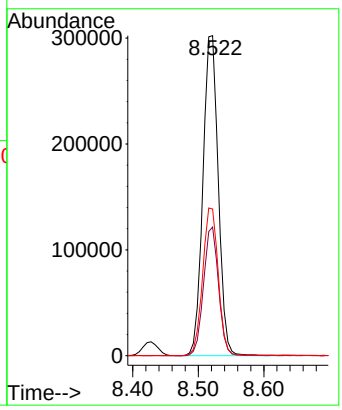


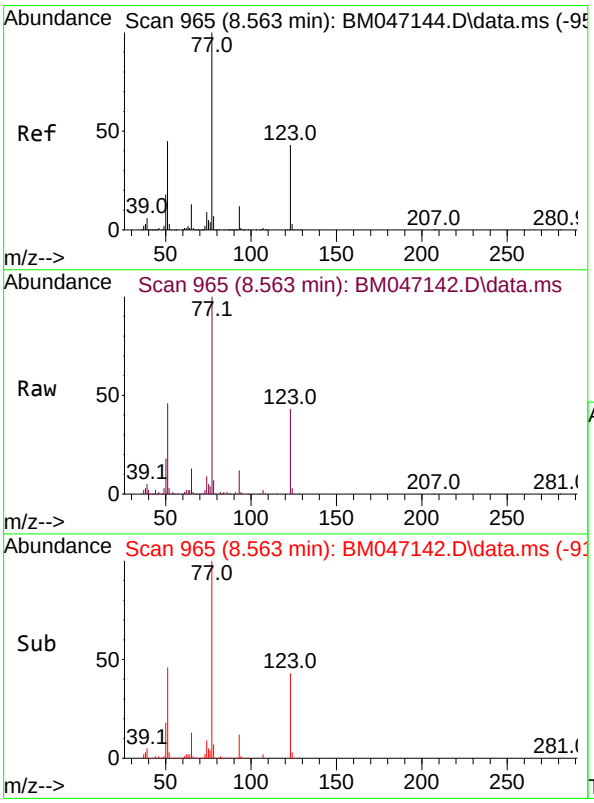
#23
Nitrobenzene-d5
Concen: 20.981 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

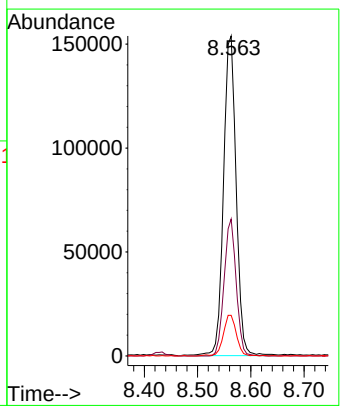


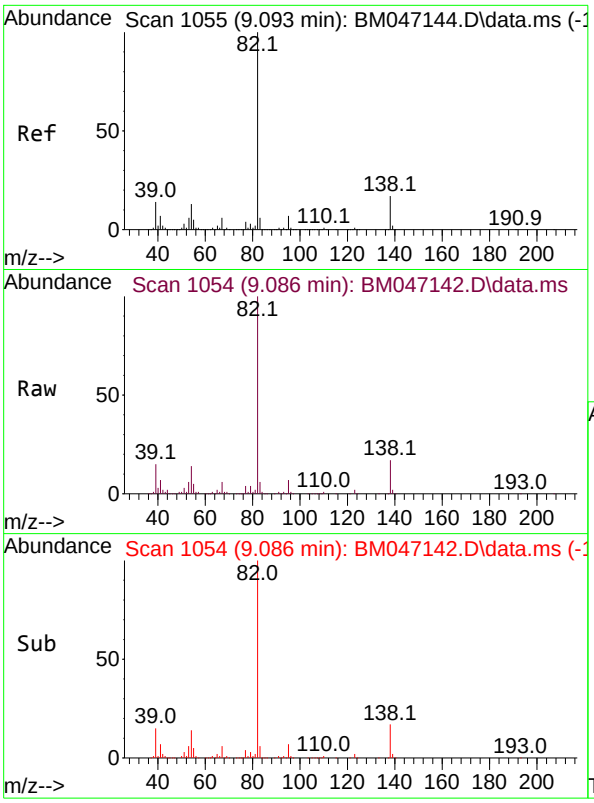


#24
Nitrobenzene
Concen: 10.664 ng
RT: 8.563 min Scan# 965
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



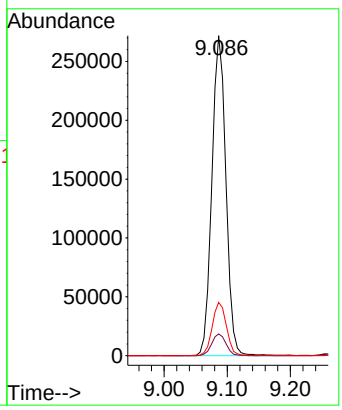


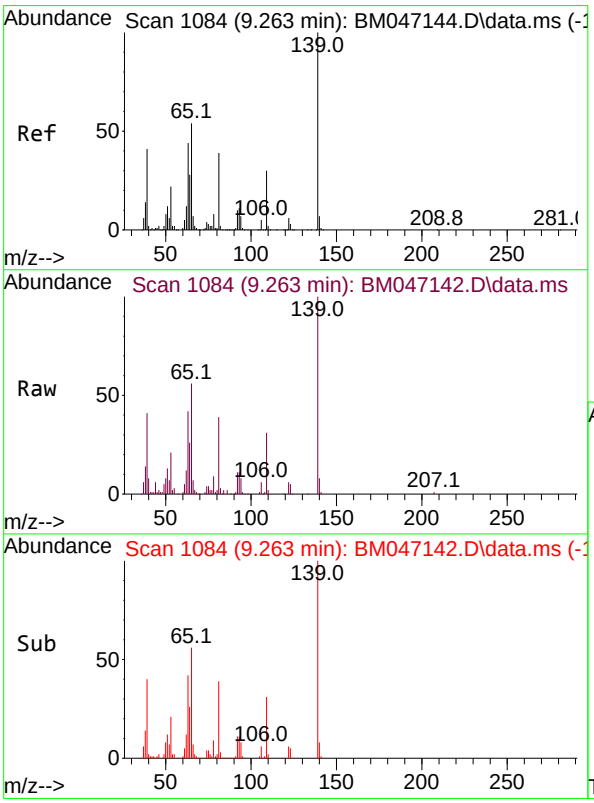
#25
Isophorone
Concen: 10.211 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

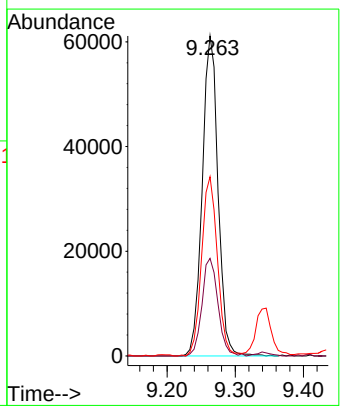


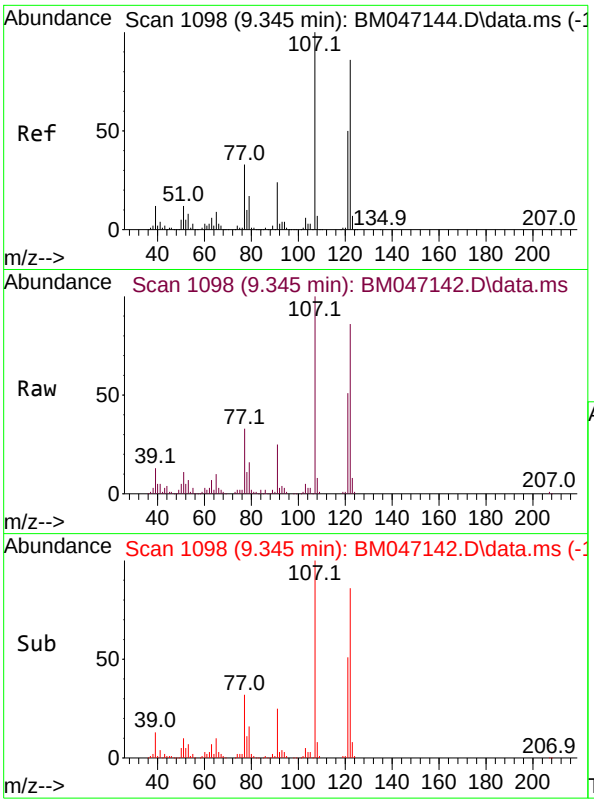


#26
2-Nitrophenol
Concen: 9.380 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



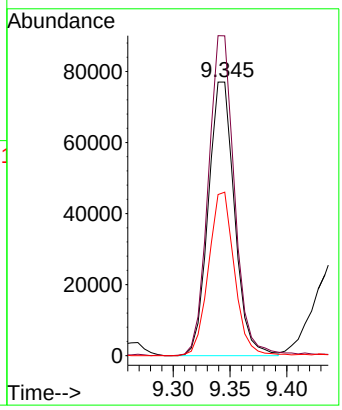


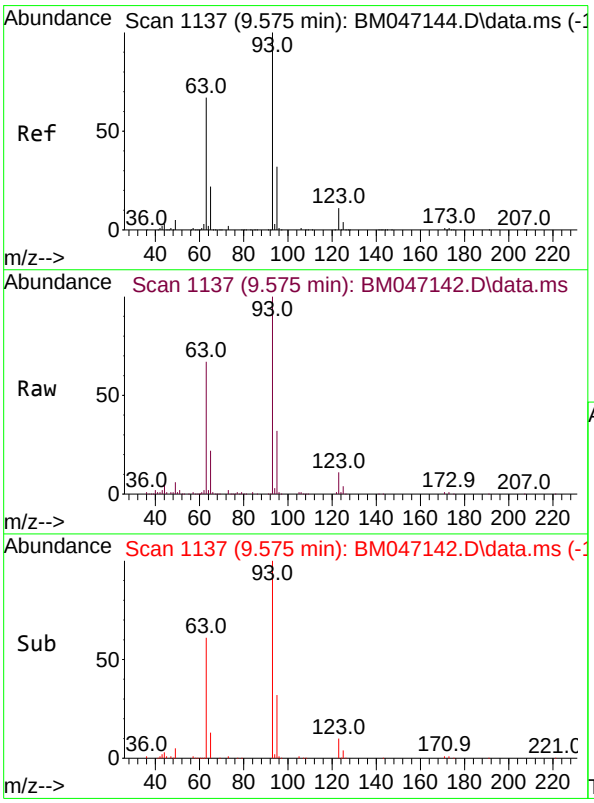
#27
2,4-Dimethylphenol
Concen: 10.056 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

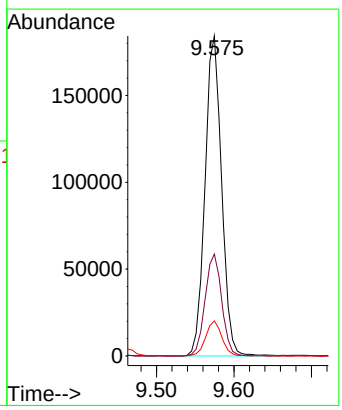


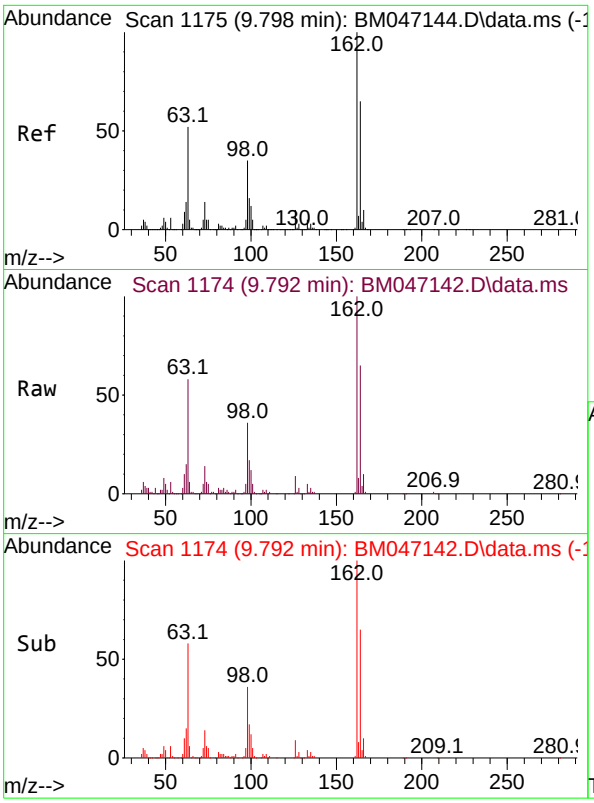


#28
bis(2-Chloroethoxy)methane
Concen: 10.586 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



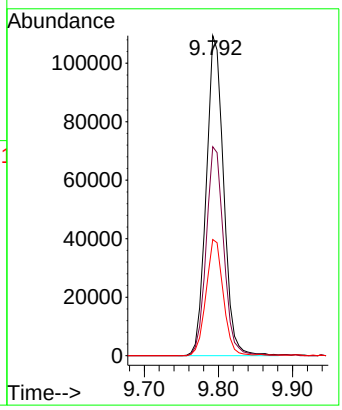


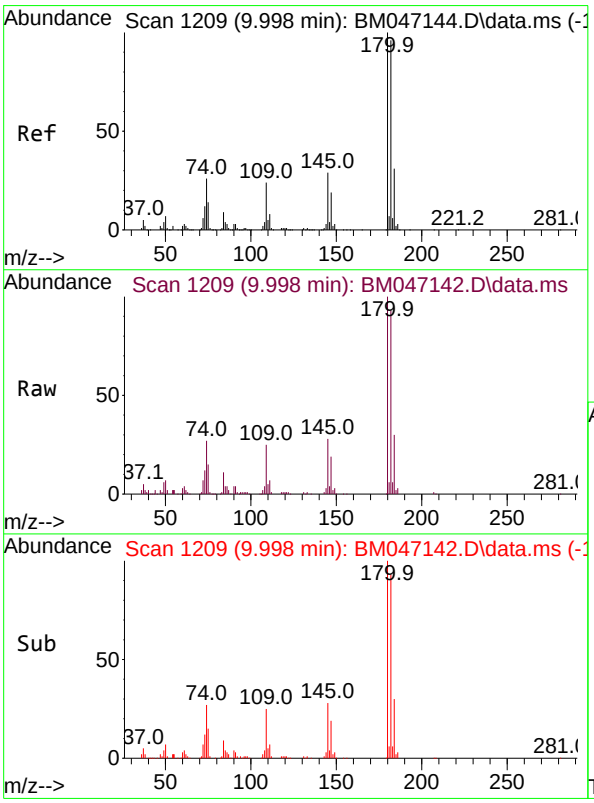
#29
2,4-Dichlorophenol
Concen: 9.748 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

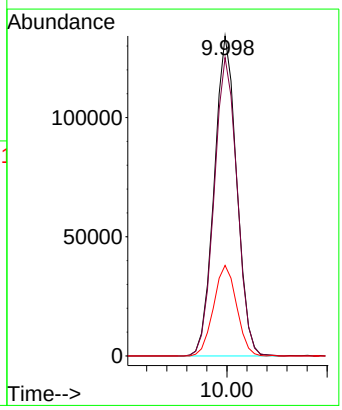


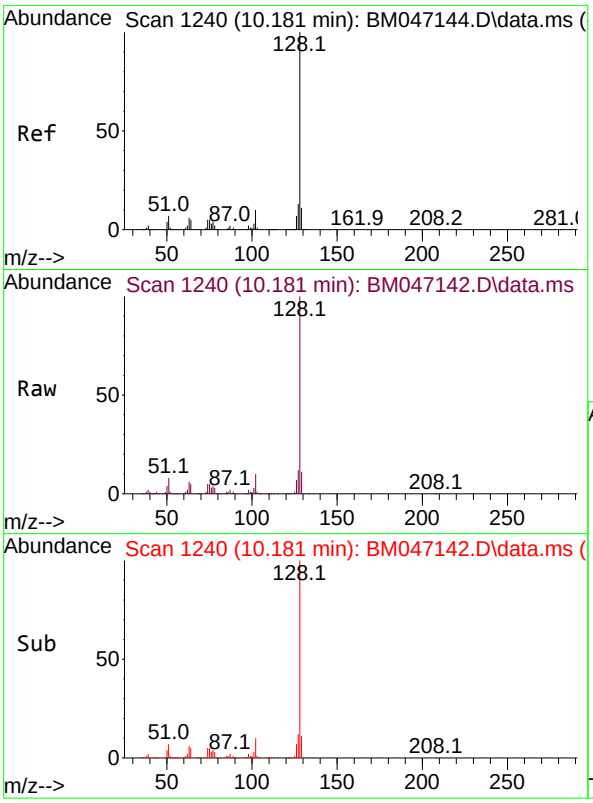


#30
1,2,4-Trichlorobenzene
Concen: 10.098 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



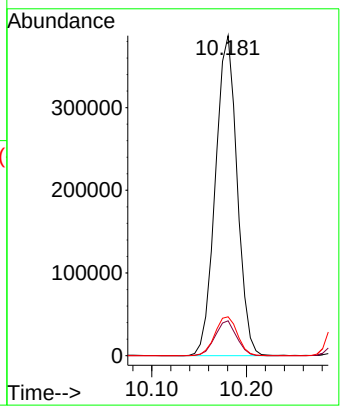


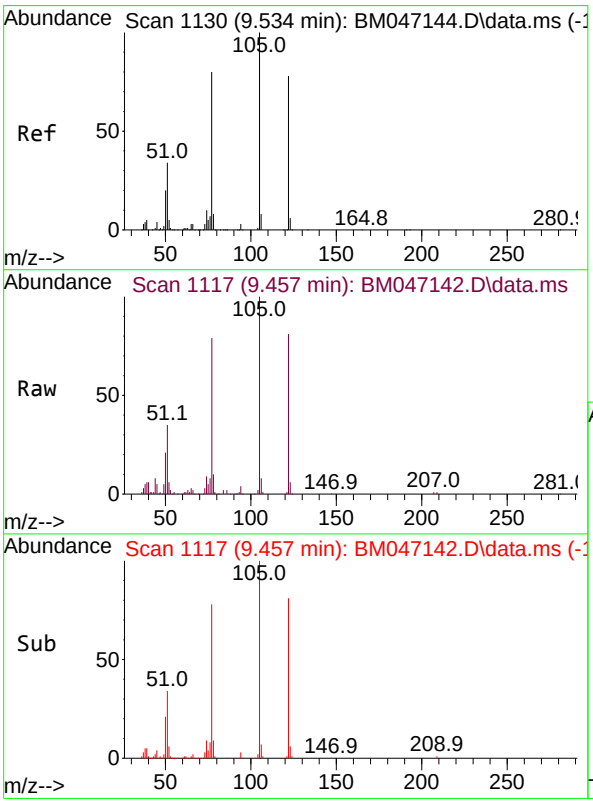
#31
Naphthalene
Concen: 10.447 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

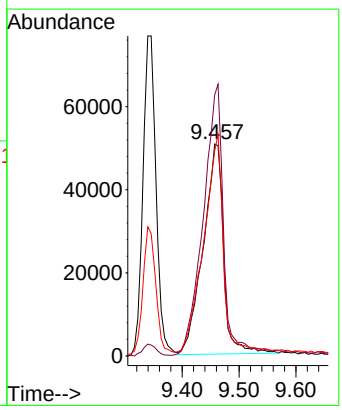


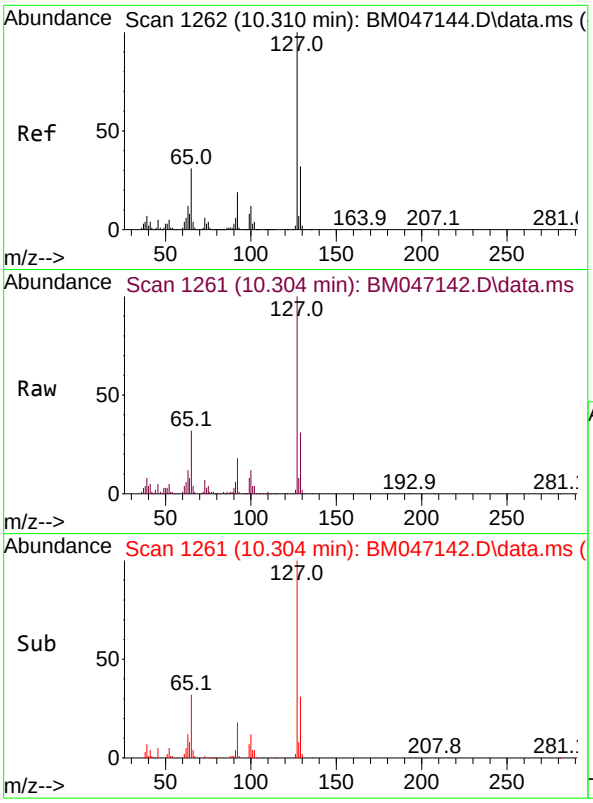


#32
Benzoic acid
Concen: 8.752 ng
RT: 9.457 min Scan# 1117
Delta R.T. -0.077 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



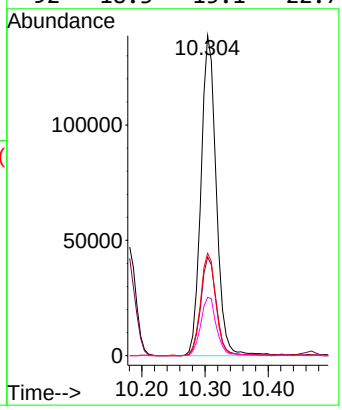


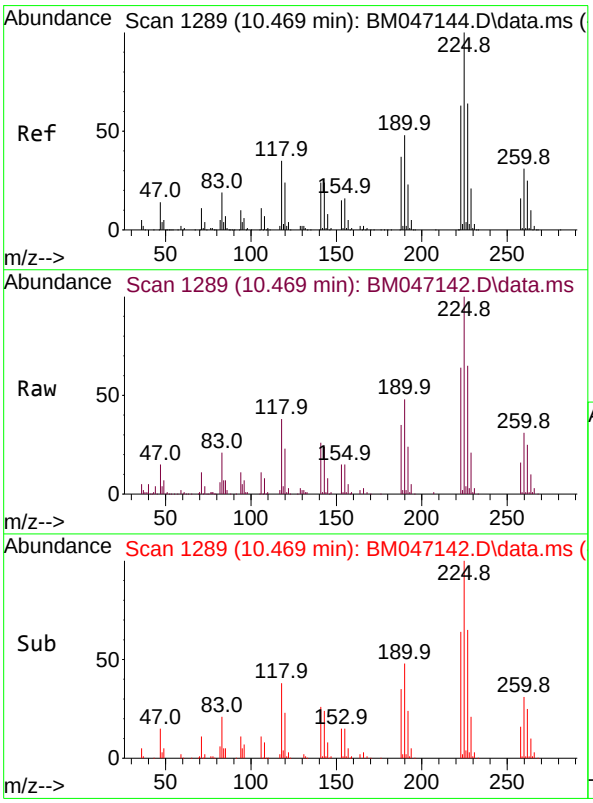
#33
4-Chloroaniline
Concen: 10.258 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

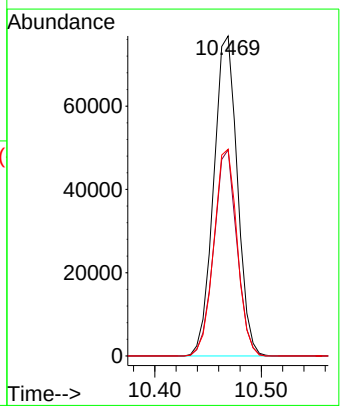


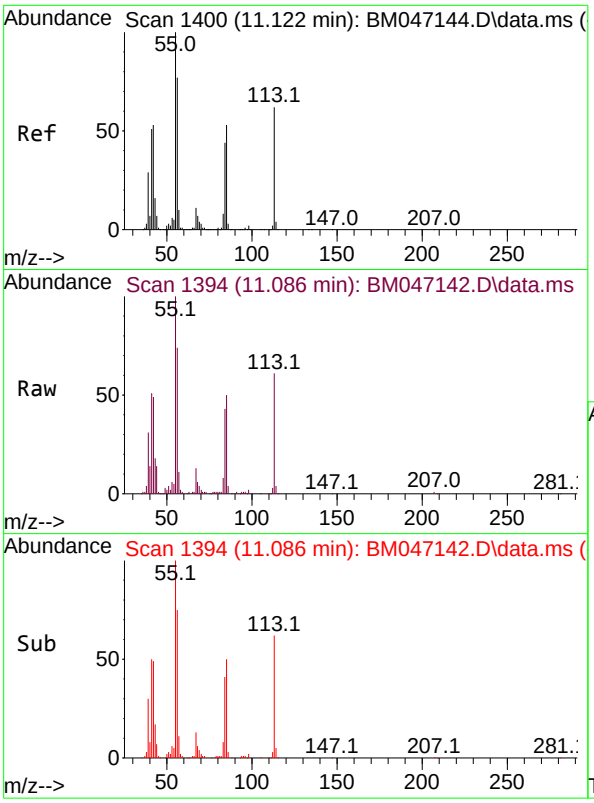


#34
Hexachlorobutadiene
Concen: 9.795 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



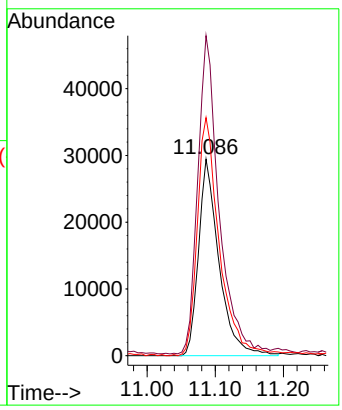


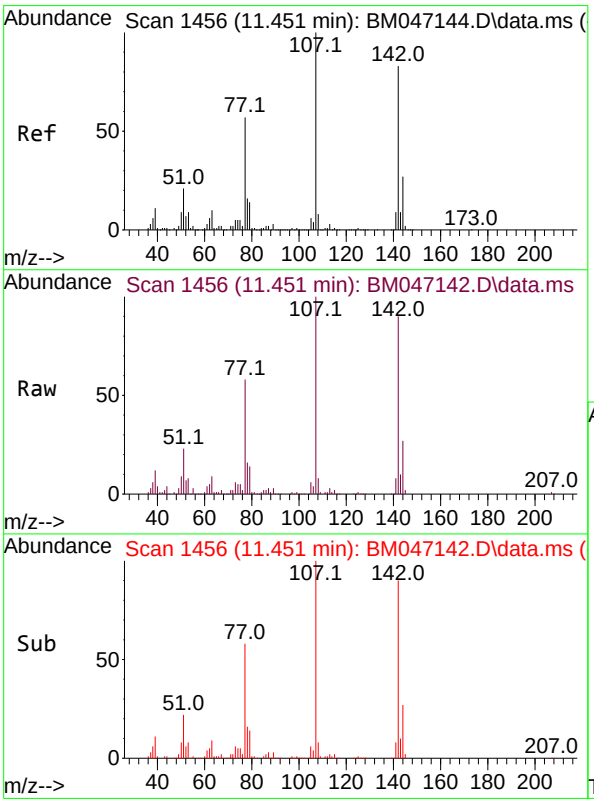
#35
Caprolactam
Concen: 9.677 ng
RT: 11.086 min Scan# 1
Delta R.T. -0.035 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

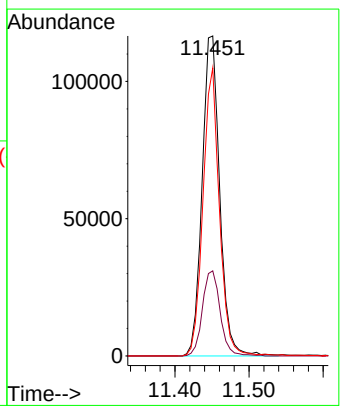


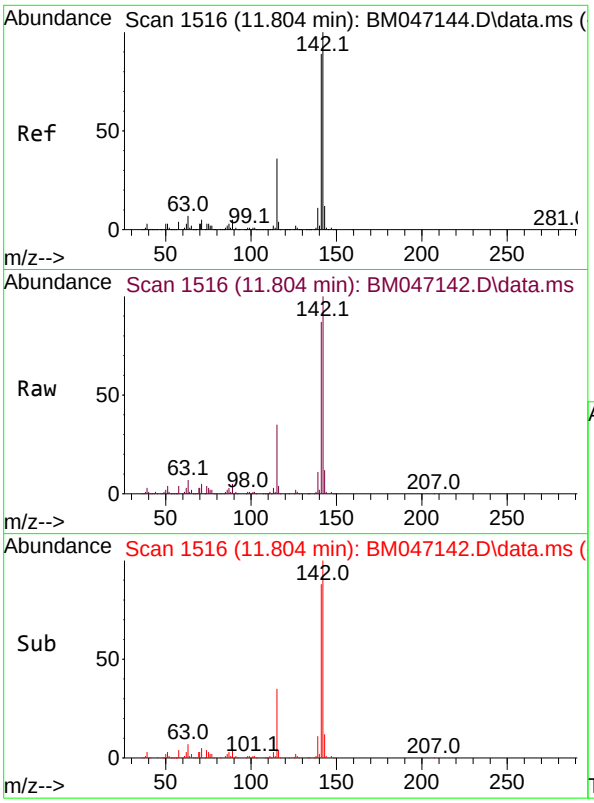


#36
4-Chloro-3-methylphenol
Concen: 9.883 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



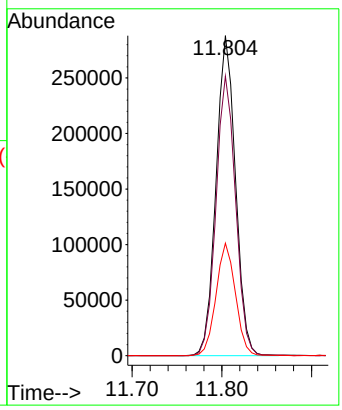


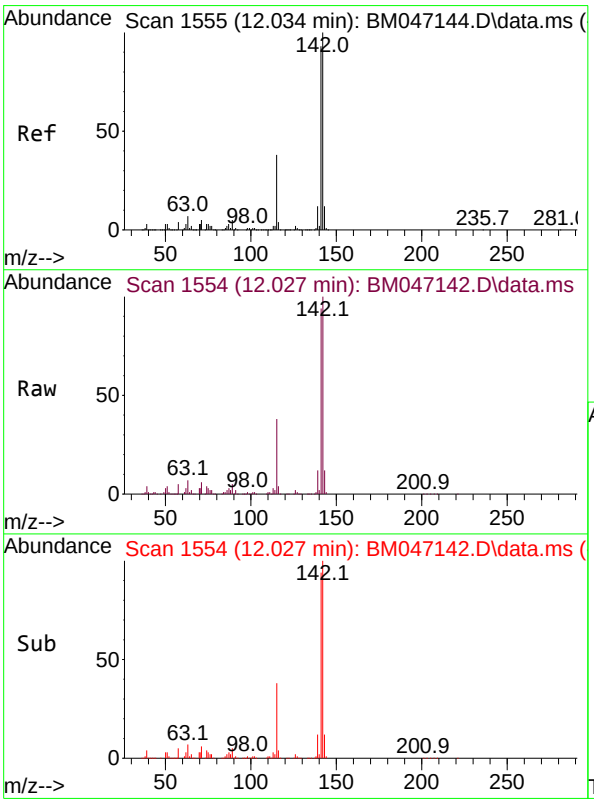
#37
2-Methylnaphthalene
Concen: 10.298 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

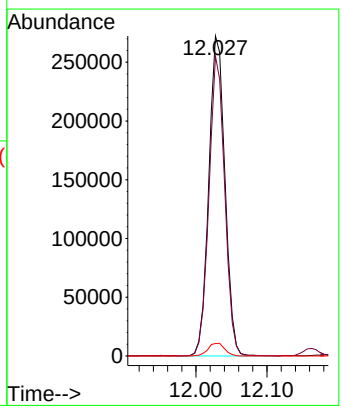


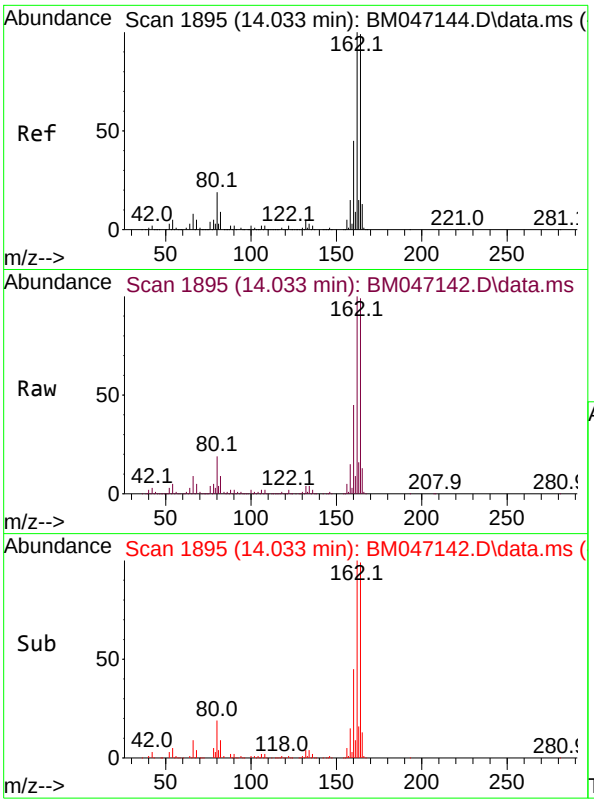


#38
1-Methylnaphthalene
Concen: 10.354 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



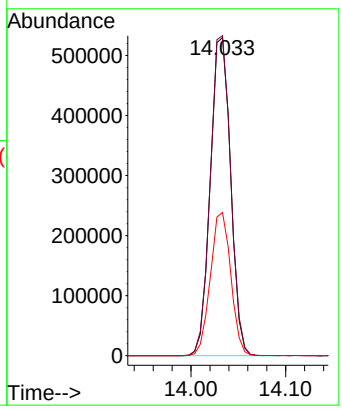


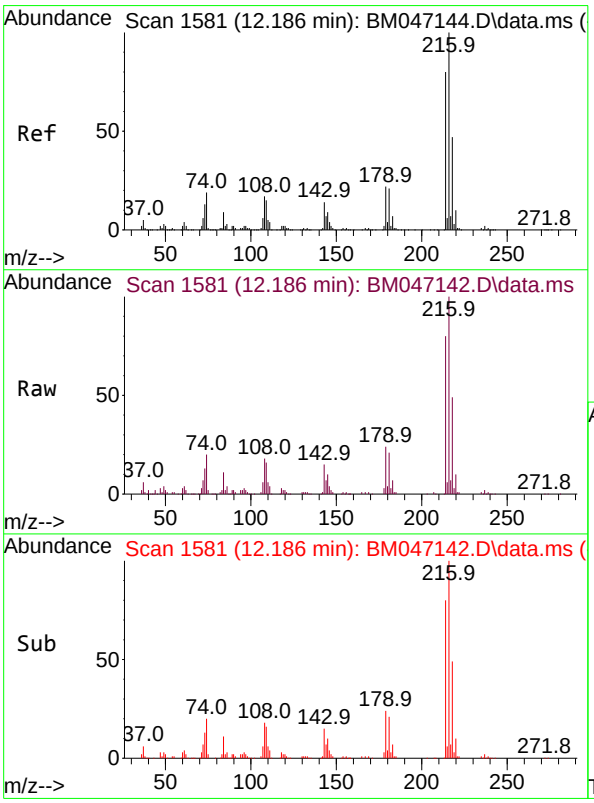
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

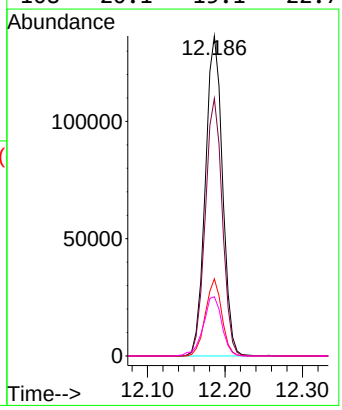


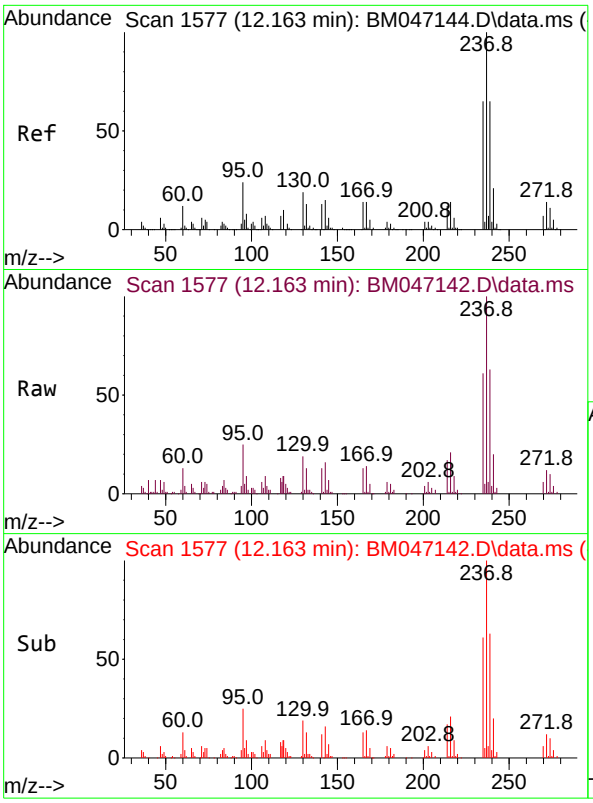


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.738 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



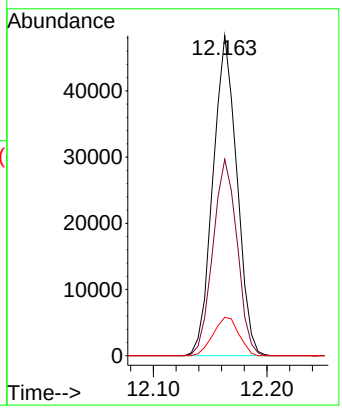


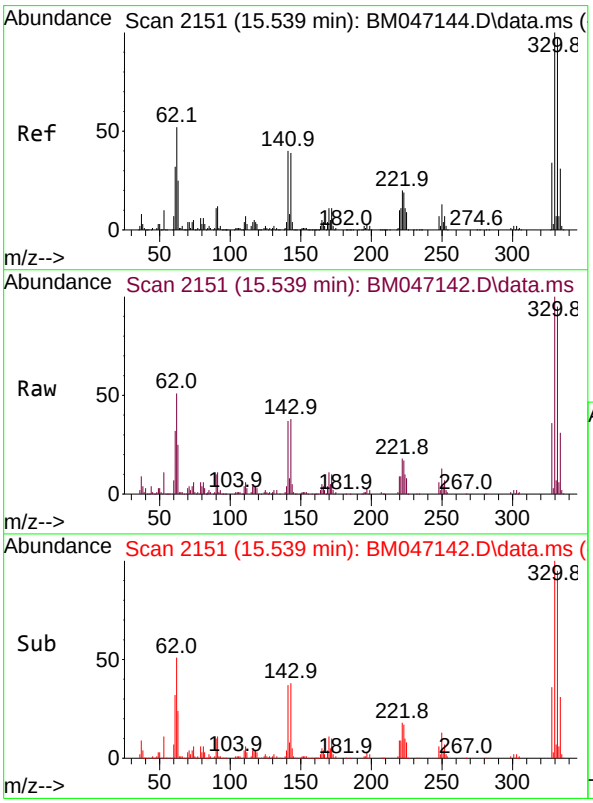
#41
Hexachlorocyclopentadiene
Concen: 9.423 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

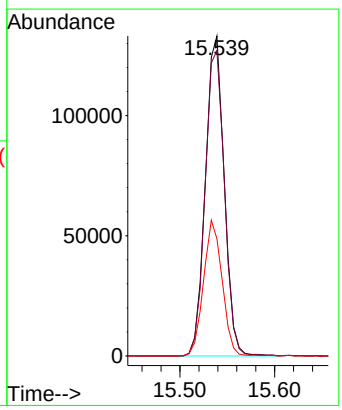


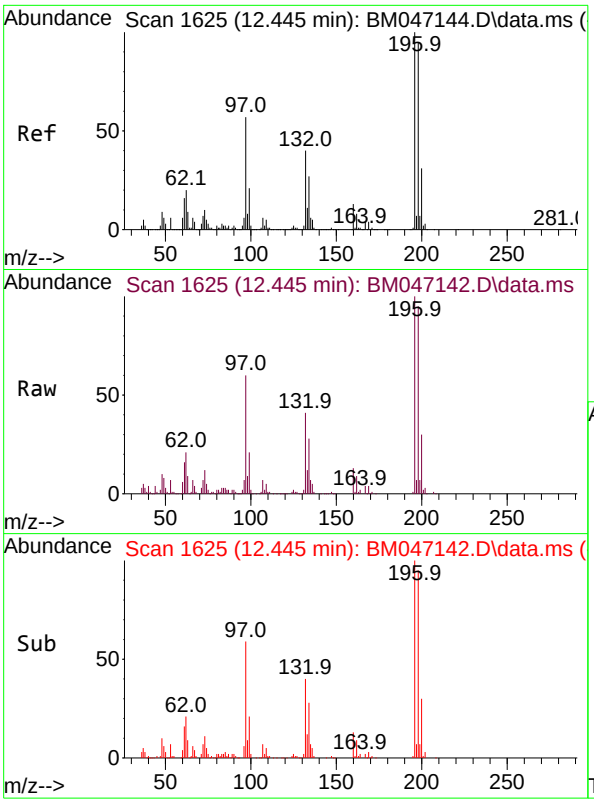


#42
2,4,6-Tribromophenol
Concen: 20.063 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



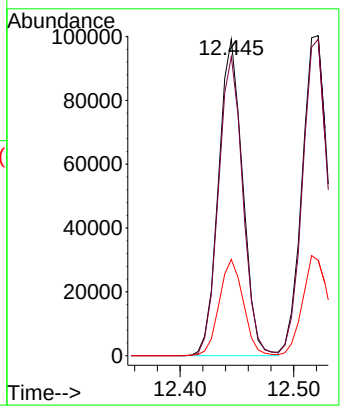


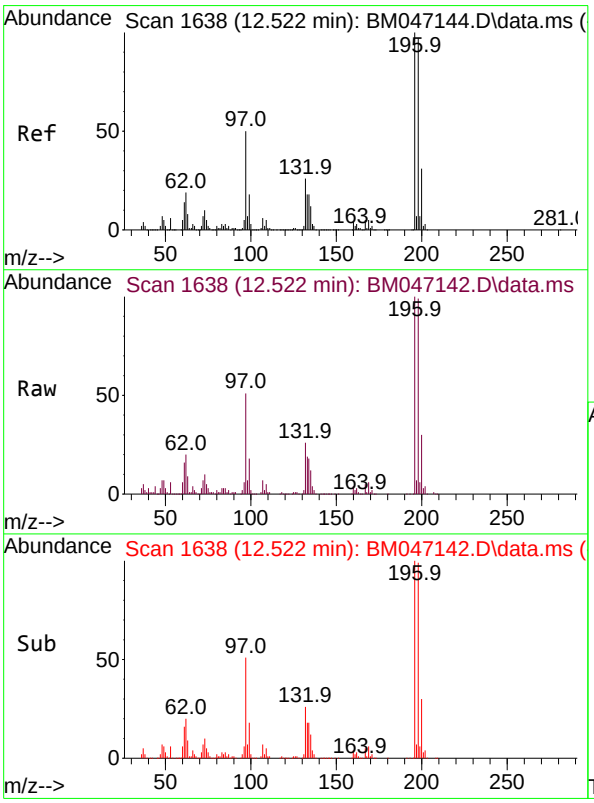
#43
2,4,6-Trichlorophenol
Concen: 9.593 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

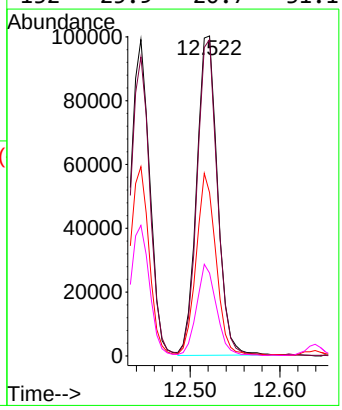


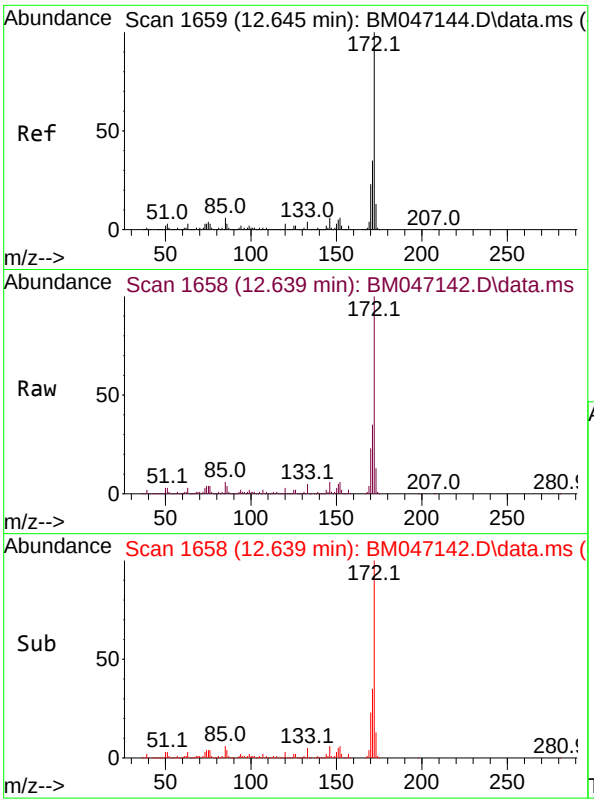


#44
2,4,5-Trichlorophenol
Concen: 9.520 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



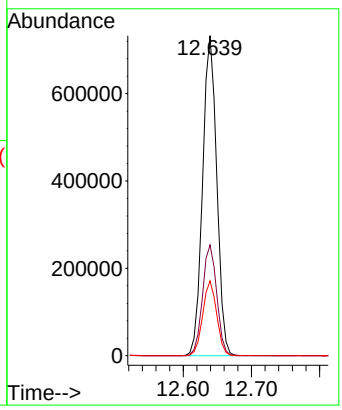


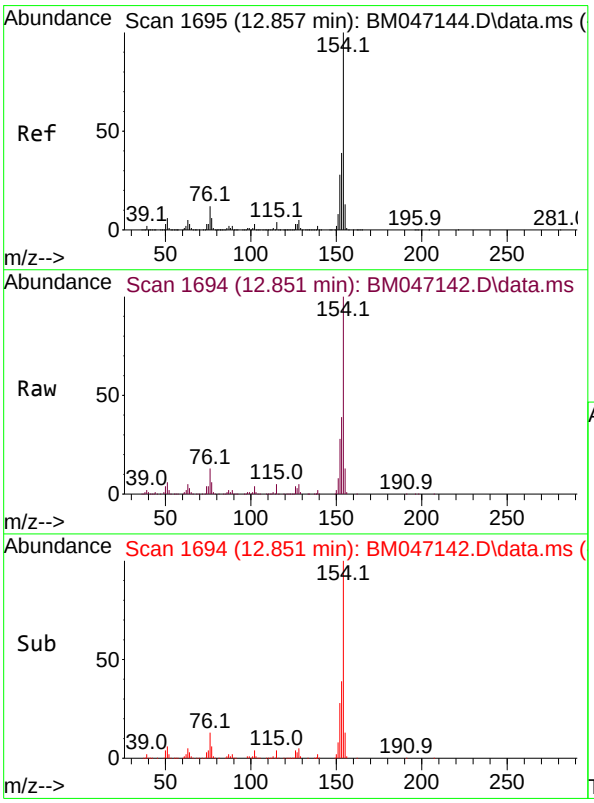
#45
2-Fluorobiphenyl
Concen: 20.688 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

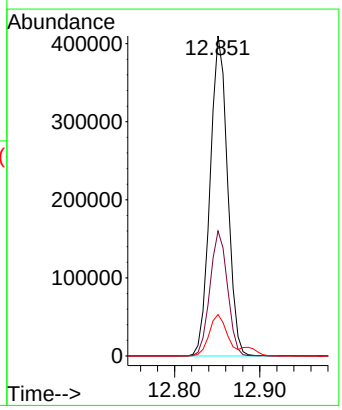


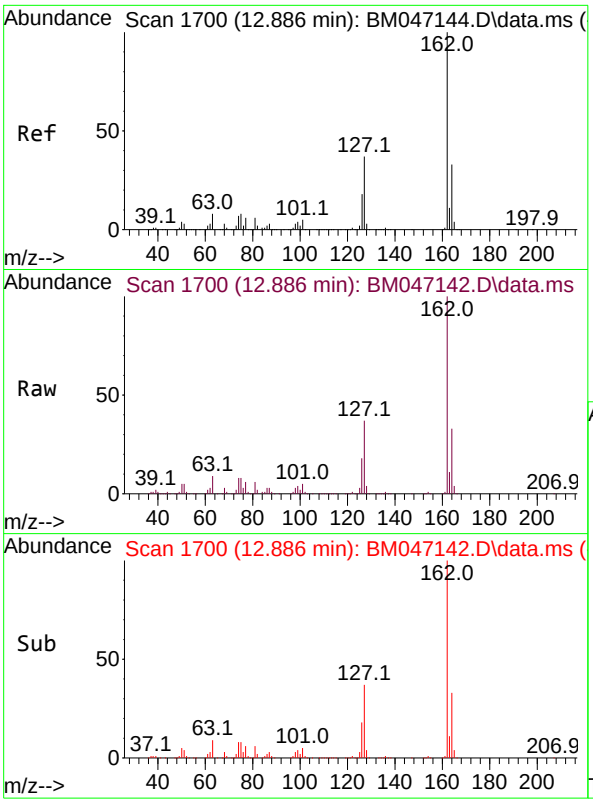


#46
1,1'-Biphenyl
Concen: 10.407 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



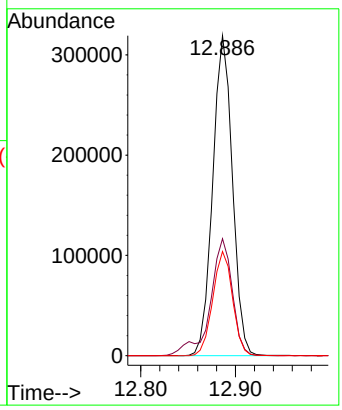


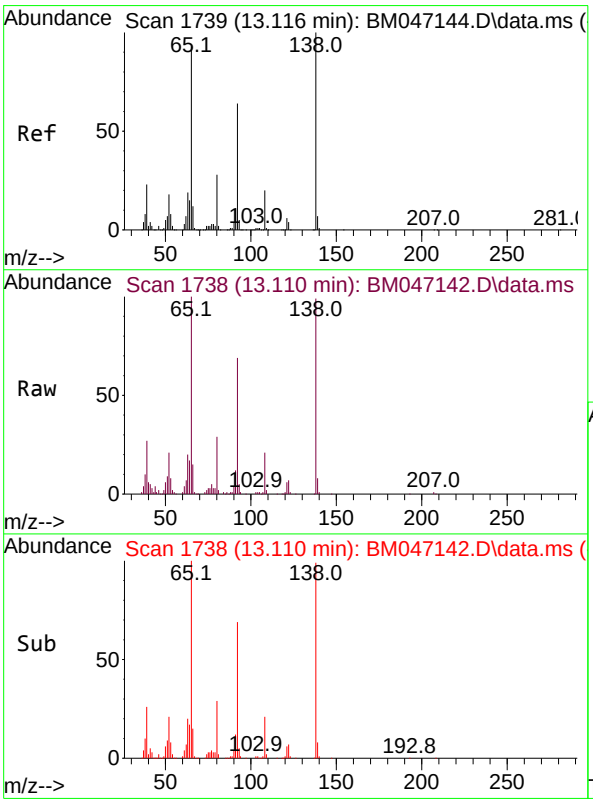
#47
2-Chloronaphthalene
Concen: 10.503 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

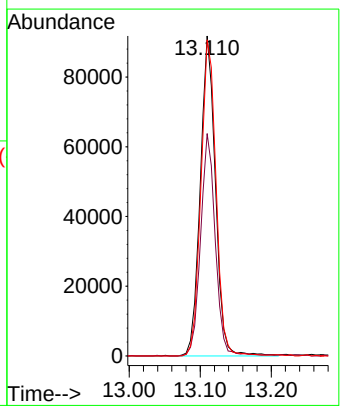


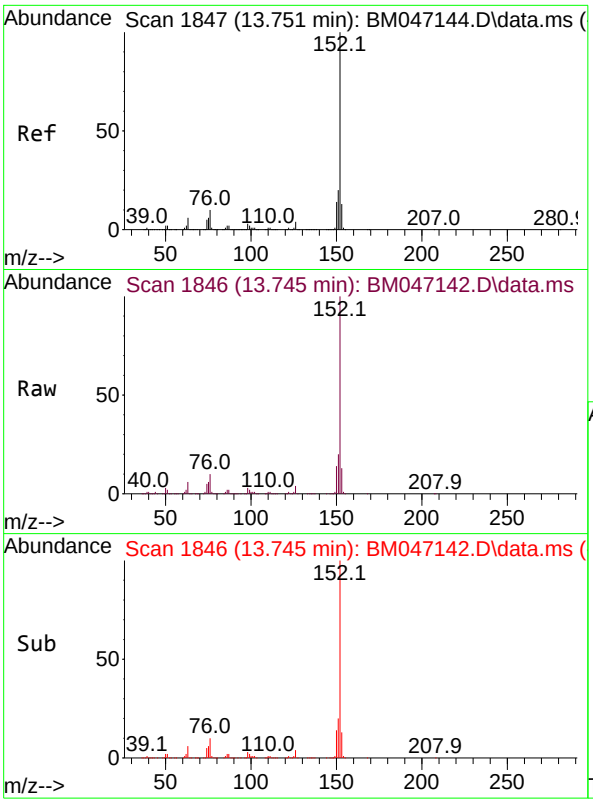


#48
2-Nitroaniline
Concen: 9.925 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



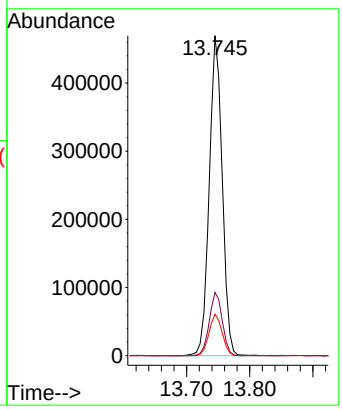


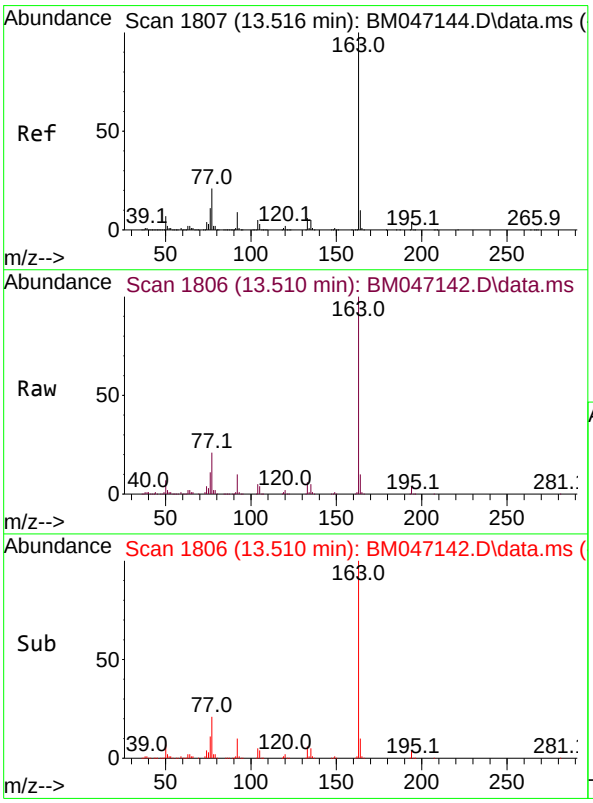
#49
Acenaphthylene
Concen: 10.358 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

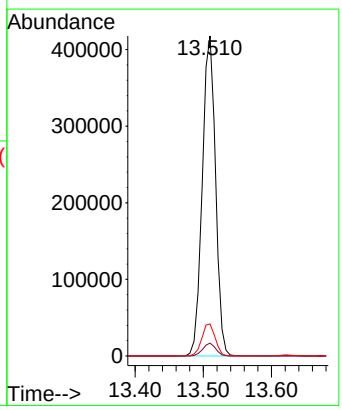


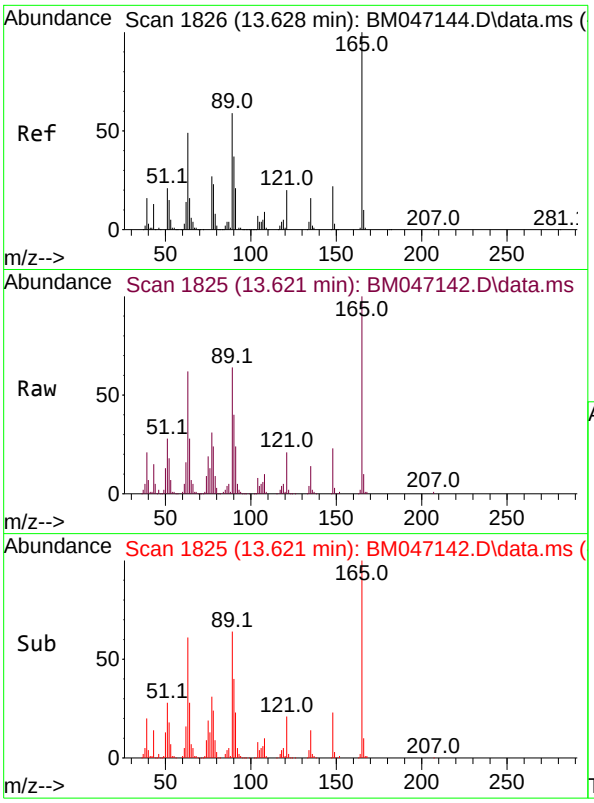


#50
Dimethylphthalate
Concen: 10.259 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



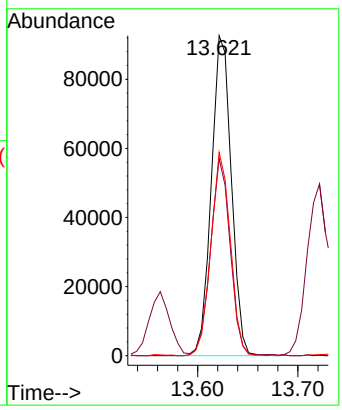


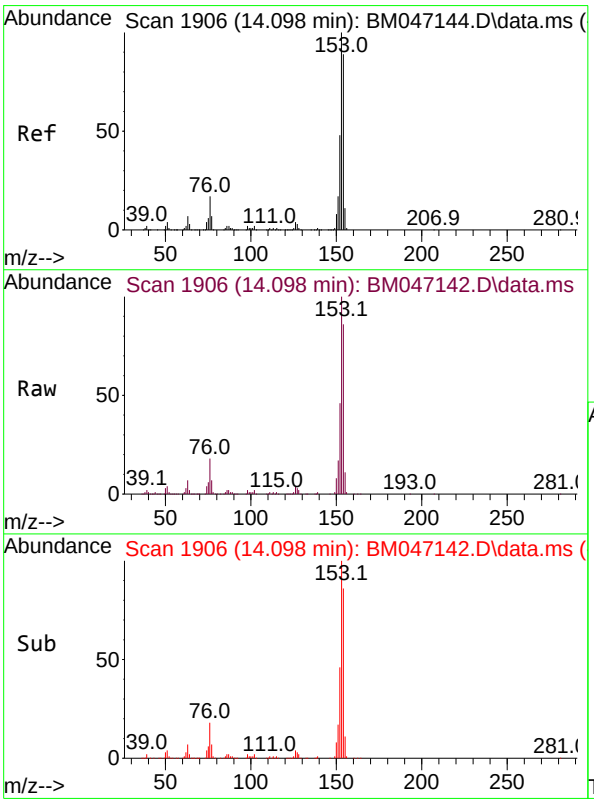
#51
2,6-Dinitrotoluene
Concen: 9.954 ng
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

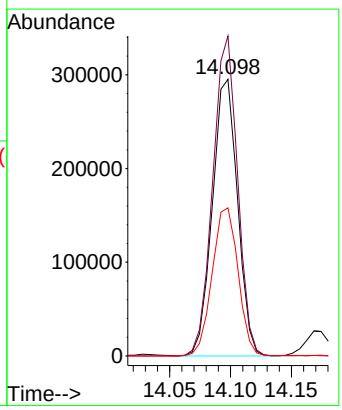


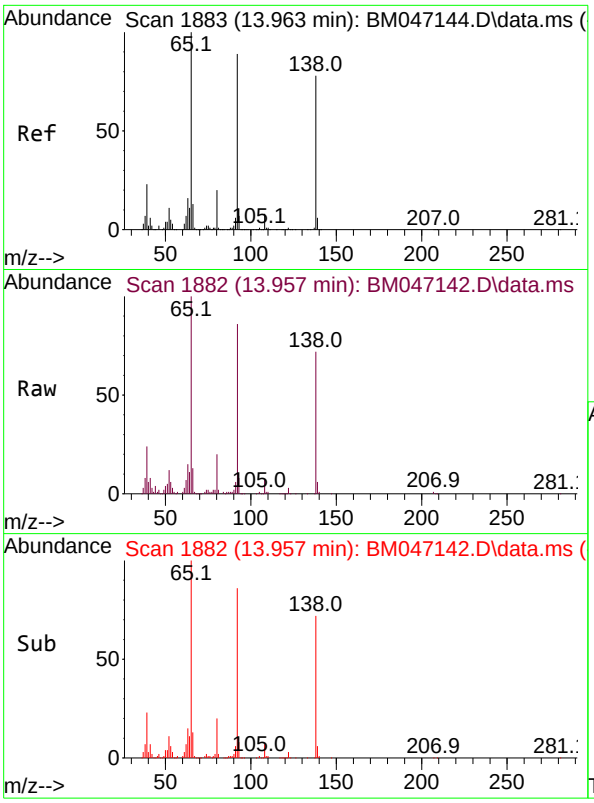


#52
Acenaphthene
Concen: 10.367 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



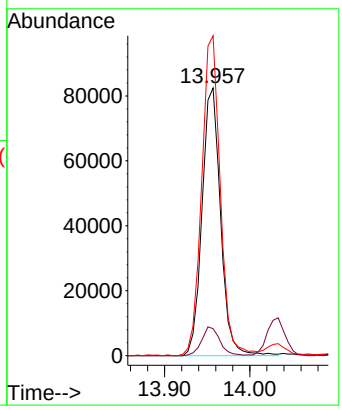


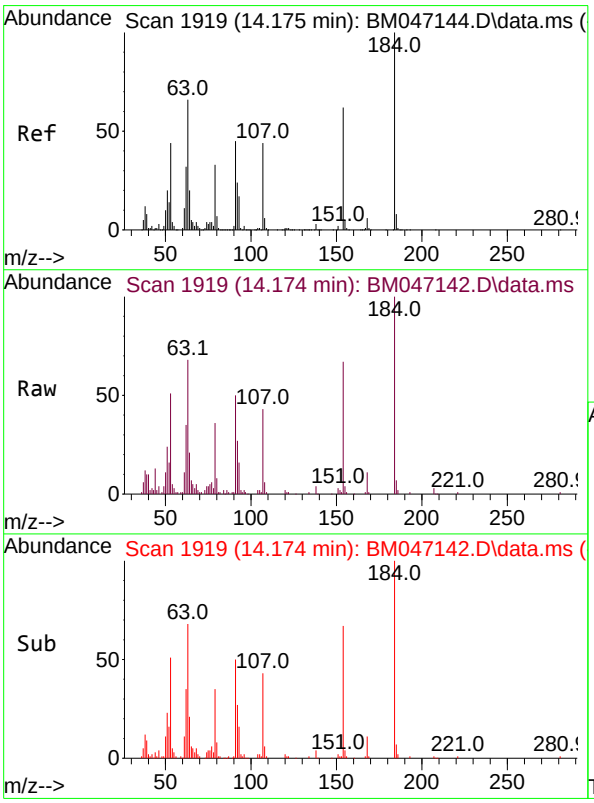
#53
3-Nitroaniline
Concen: 9.674 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

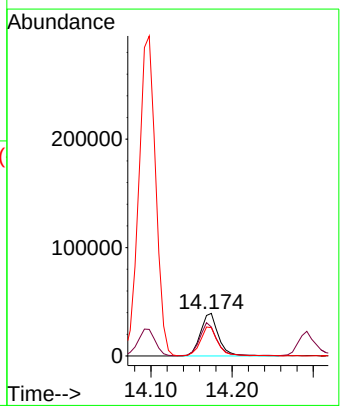


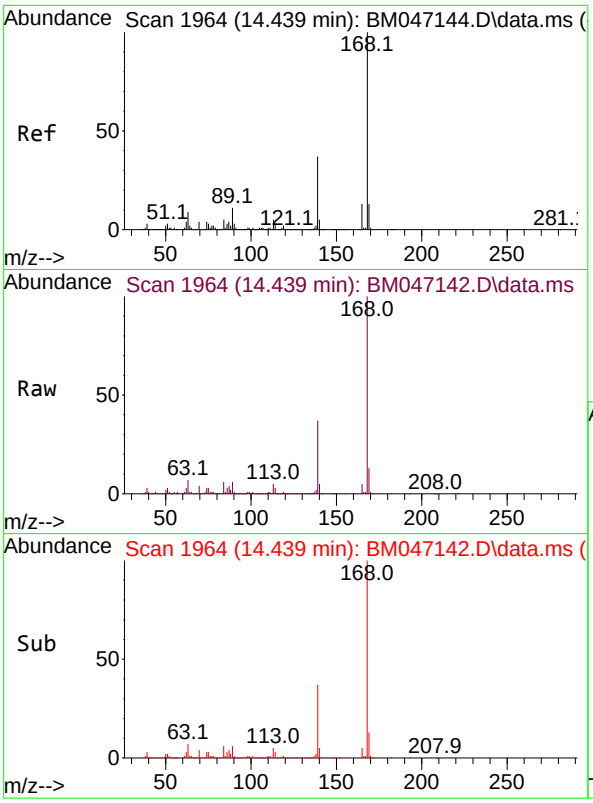


#54
2,4-Dinitrophenol
Concen: 7.780 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



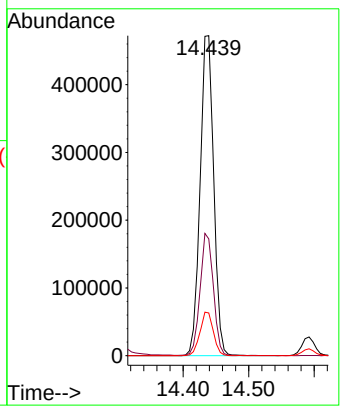


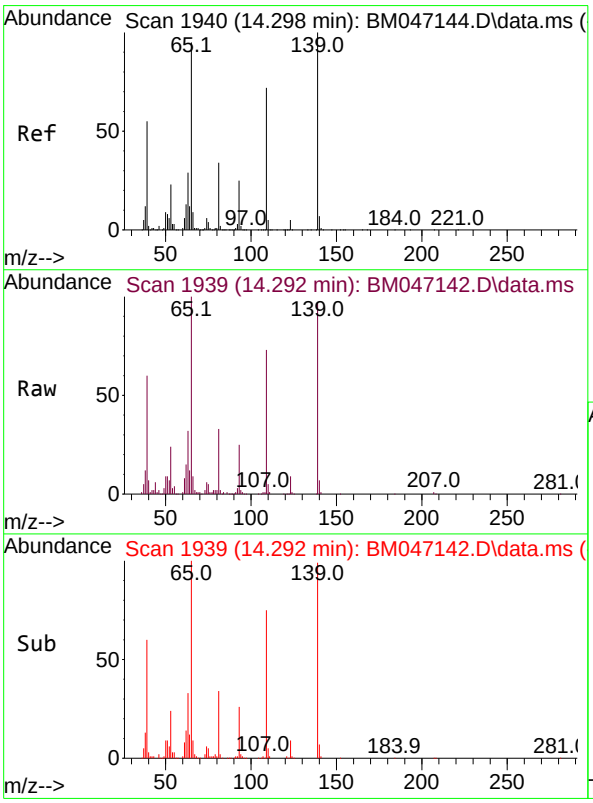
#55
Dibenzofuran
Concen: 10.530 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

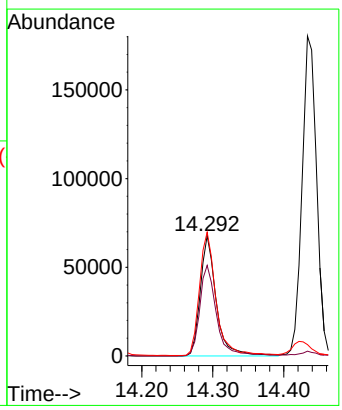


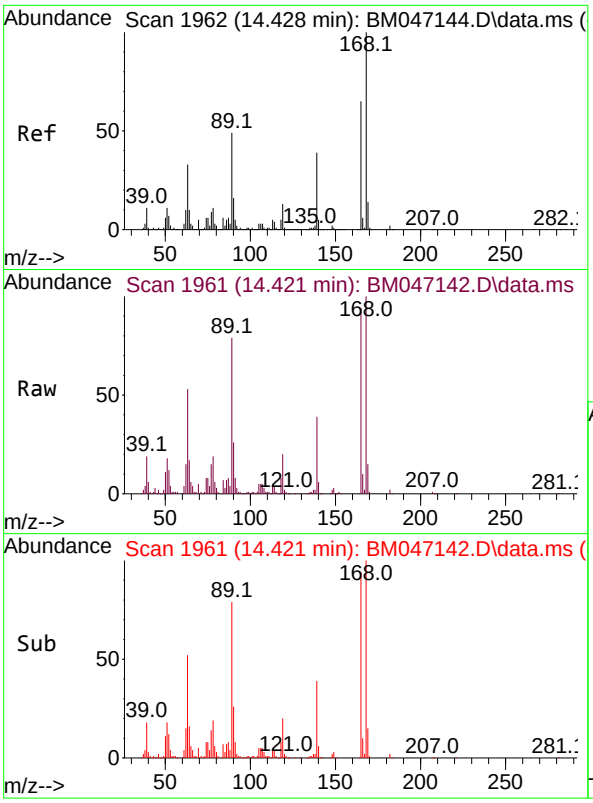


#56
4-Nitrophenol
Concen: 9.511 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



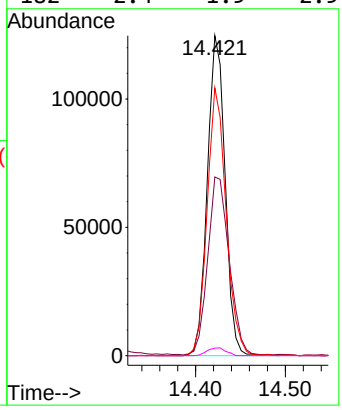


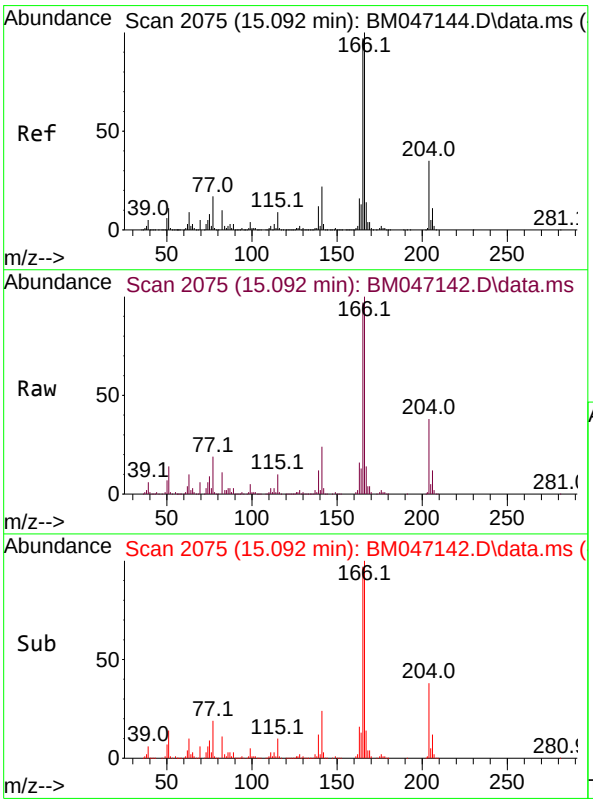
#57
2,4-Dinitrotoluene
Concen: 9.982 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

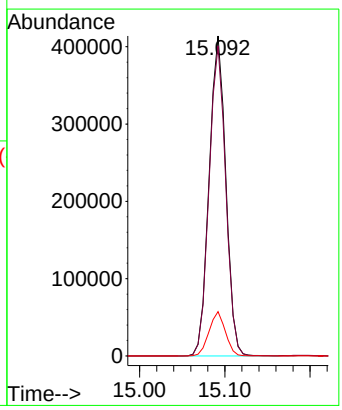


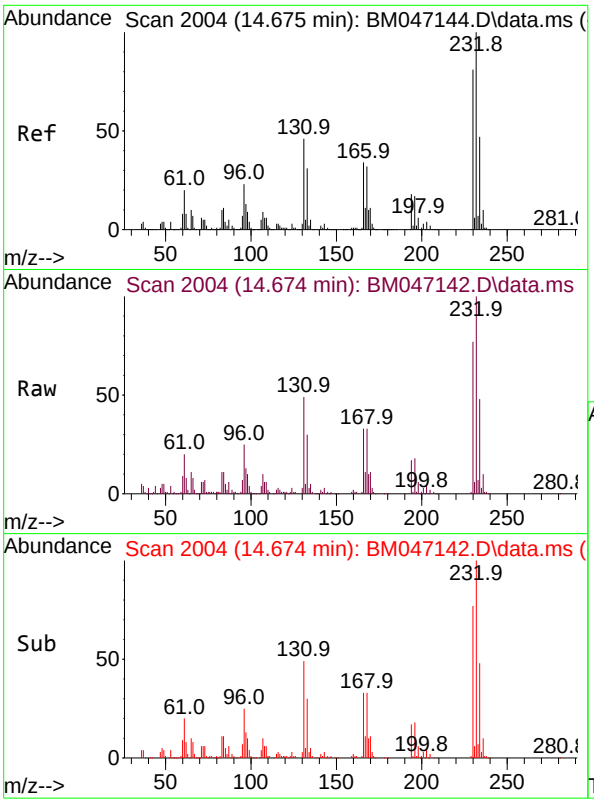


#58
Fluorene
Concen: 10.527 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



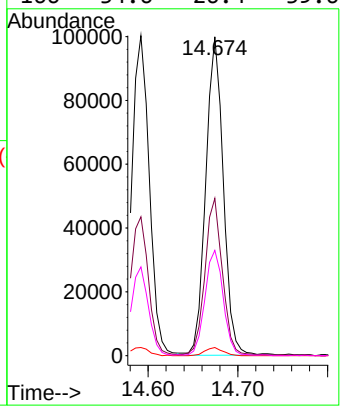


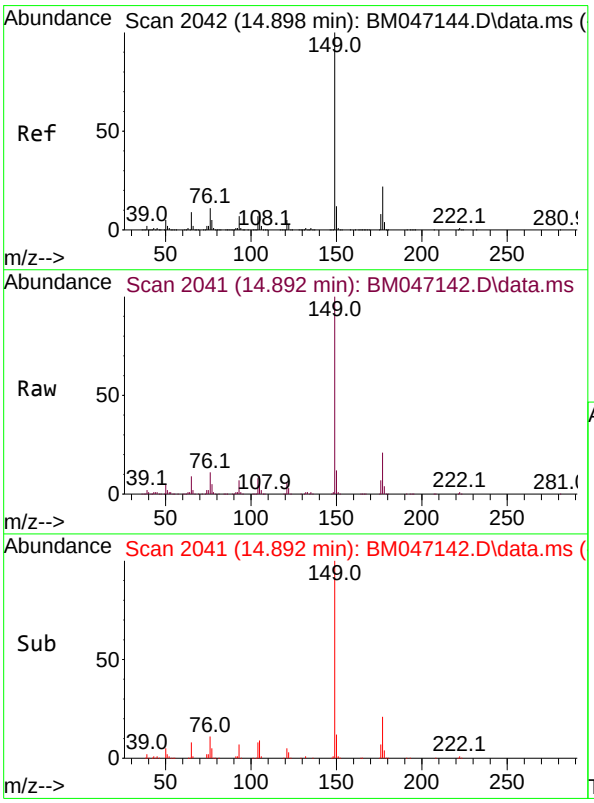
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.739 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

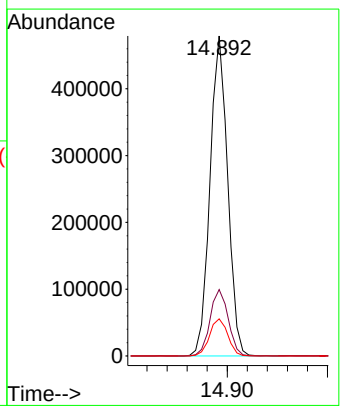


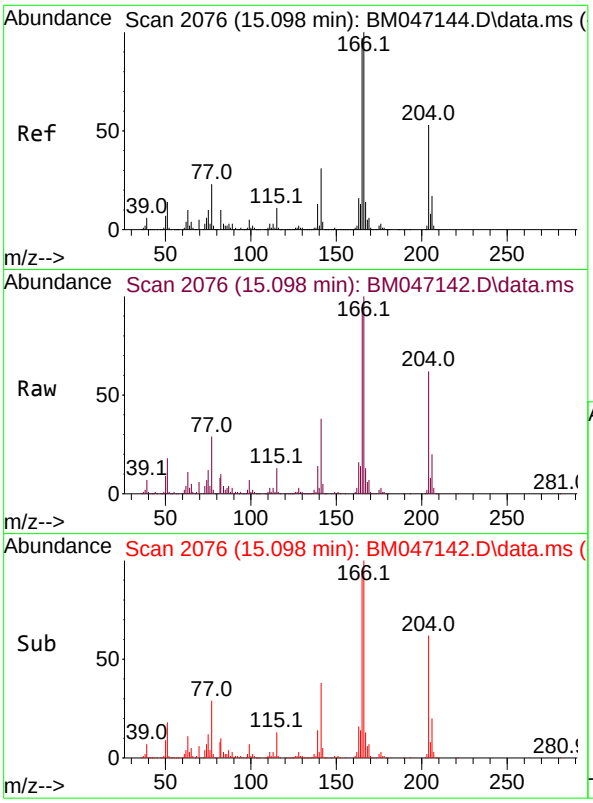


#60
Diethylphthalate
Concen: 10.418 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



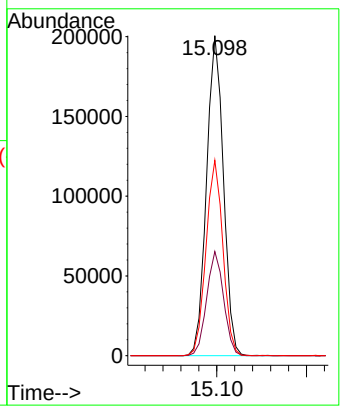


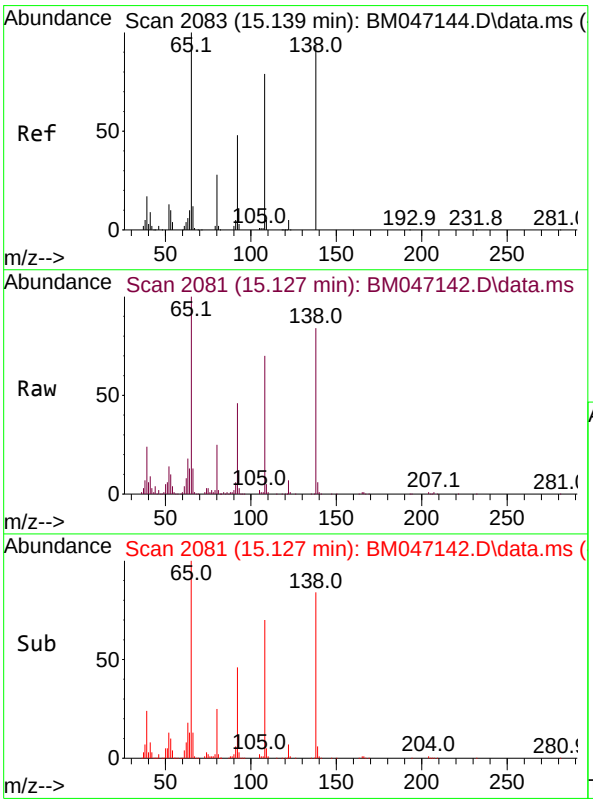
#61
4-Chlorophenyl-phenylether
Concen: 10.269 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

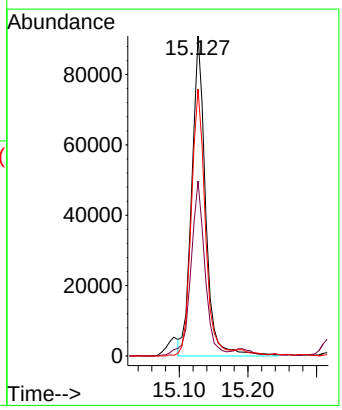


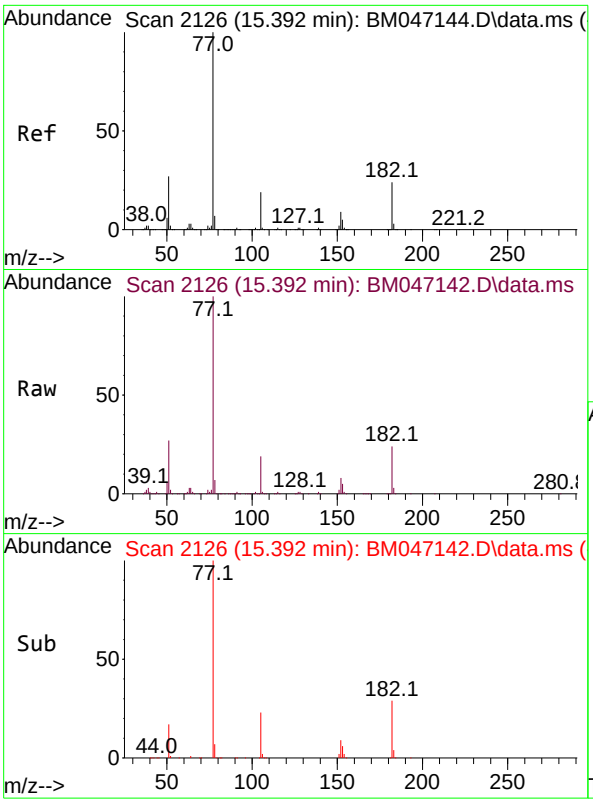


#62
4-Nitroaniline
Concen: 10.065 ng m
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



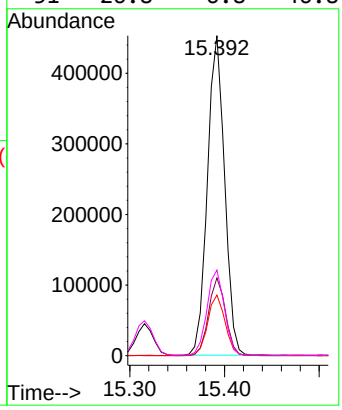


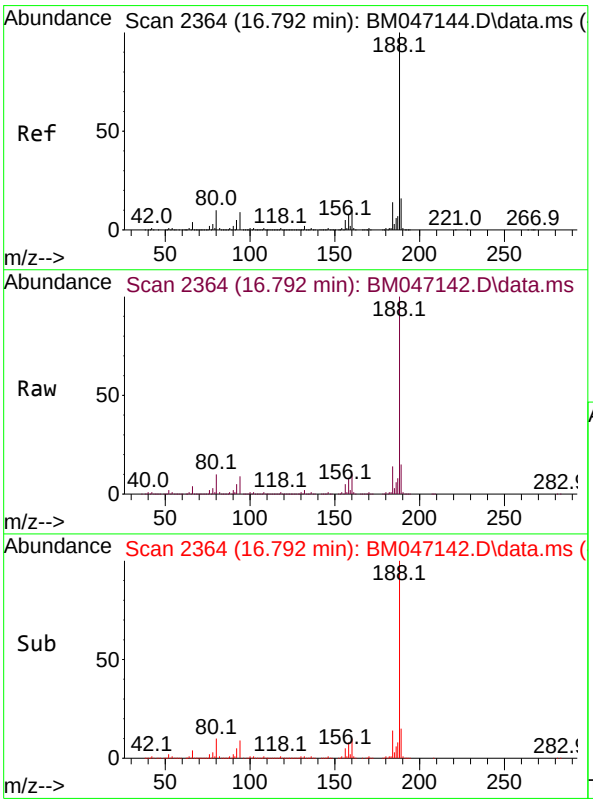
#63
Azobenzene
Concen: 10.685 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

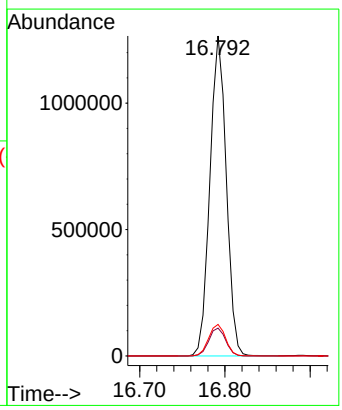


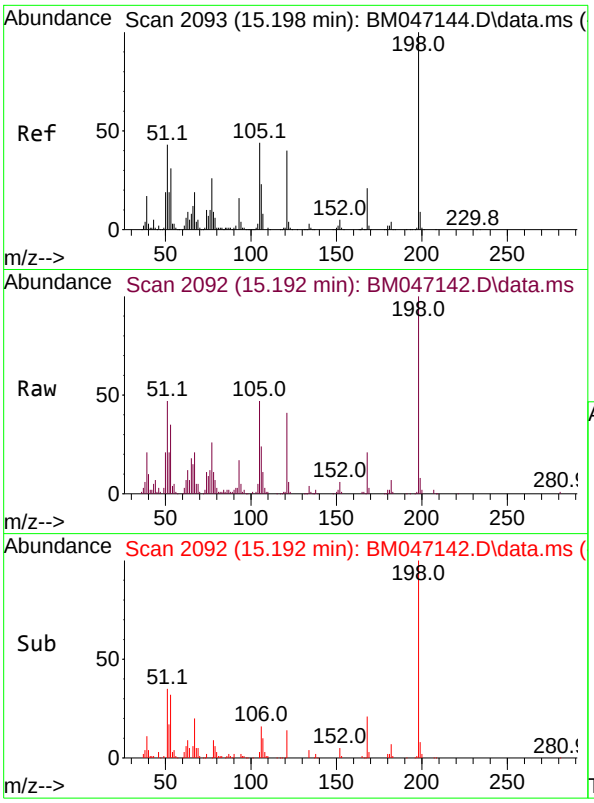


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



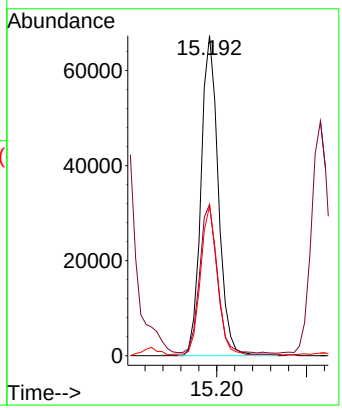


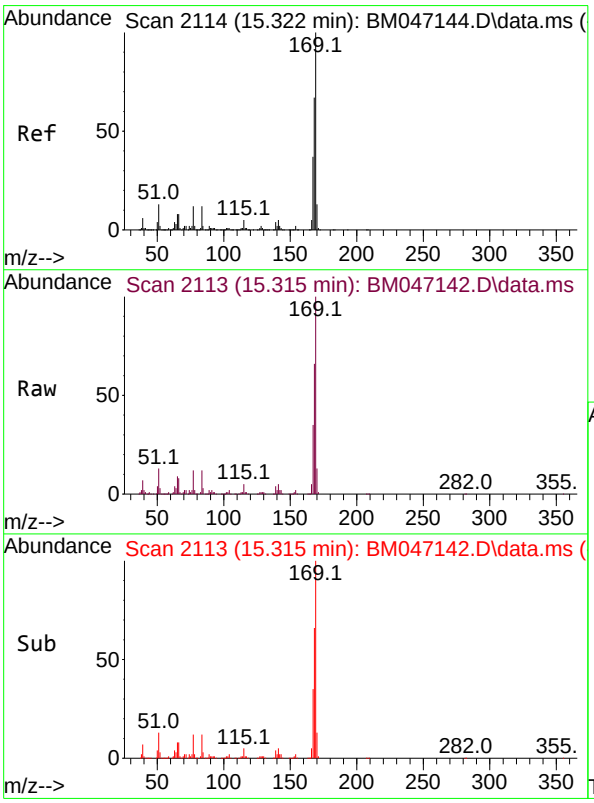
#65
4,6-Dinitro-2-methylphenol
Concen: 9.095 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

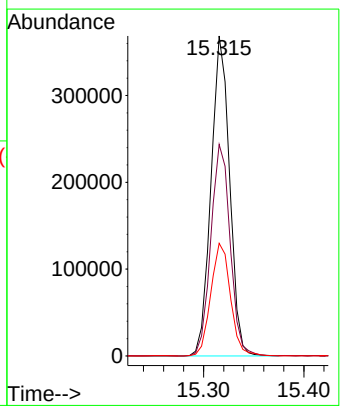


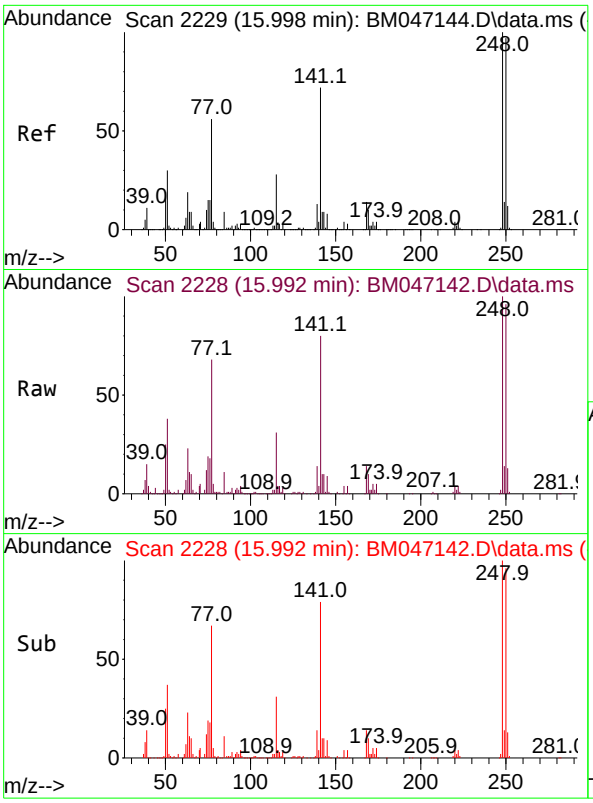


#66
n-Nitrosodiphenylamine
Concen: 10.289 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



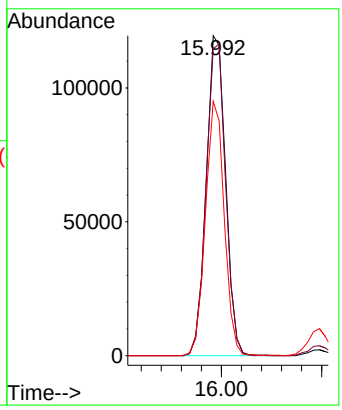


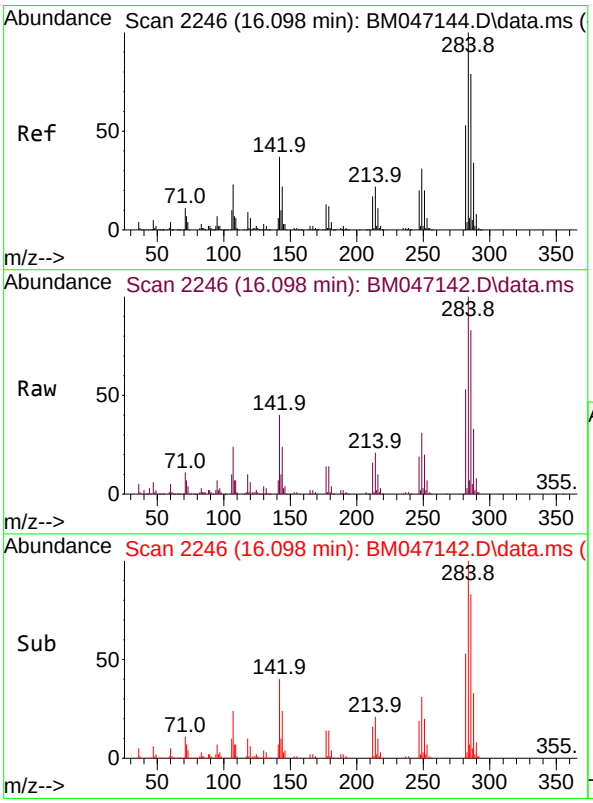
#67
4-Bromophenyl-phenylether
Concen: 9.845 ng
RT: 15.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

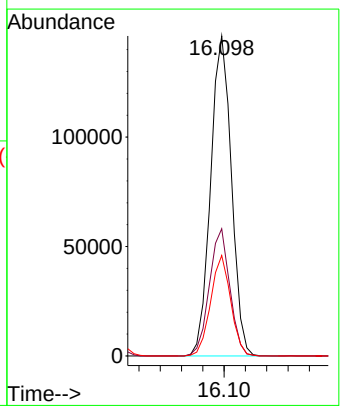


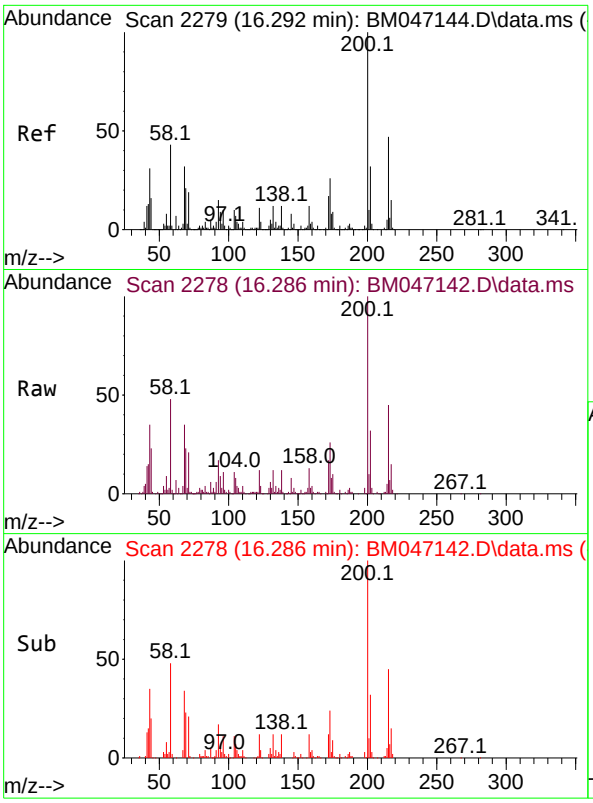


#68
Hexachlorobenzene
Concen: 10.157 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



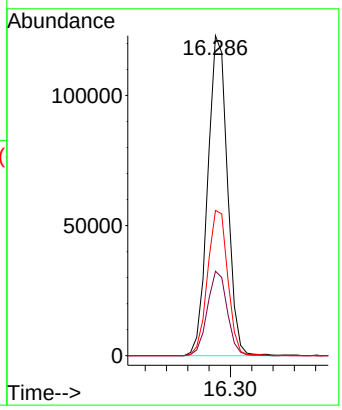


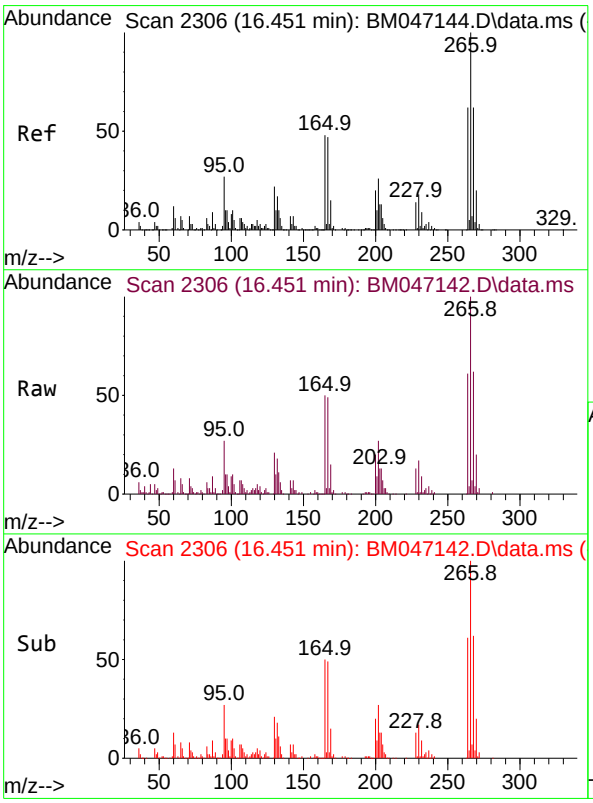
#69
Atrazine
Concen: 11.344 ng
RT: 16.286 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

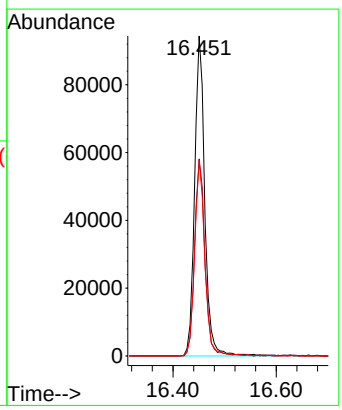


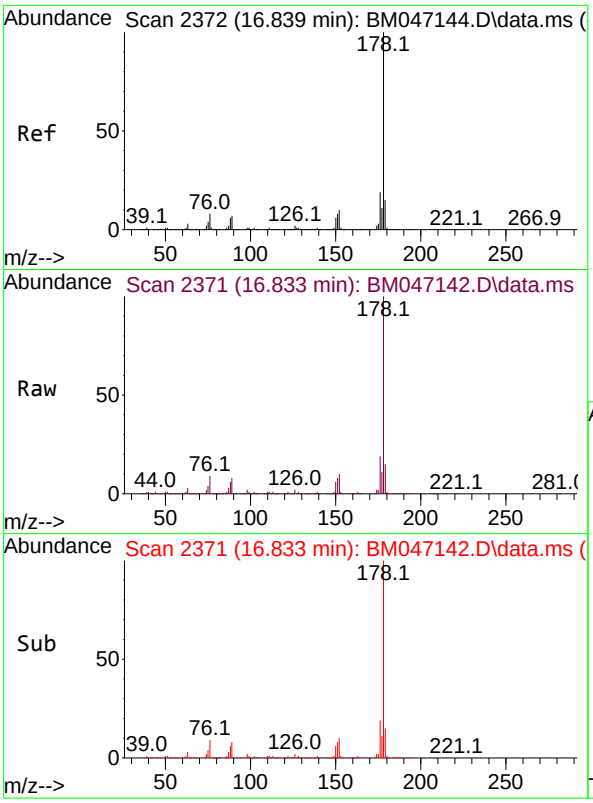


#70
Pentachlorophenol
Concen: 9.411 ng
RT: 16.451 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



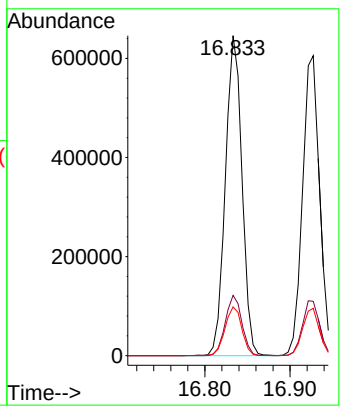


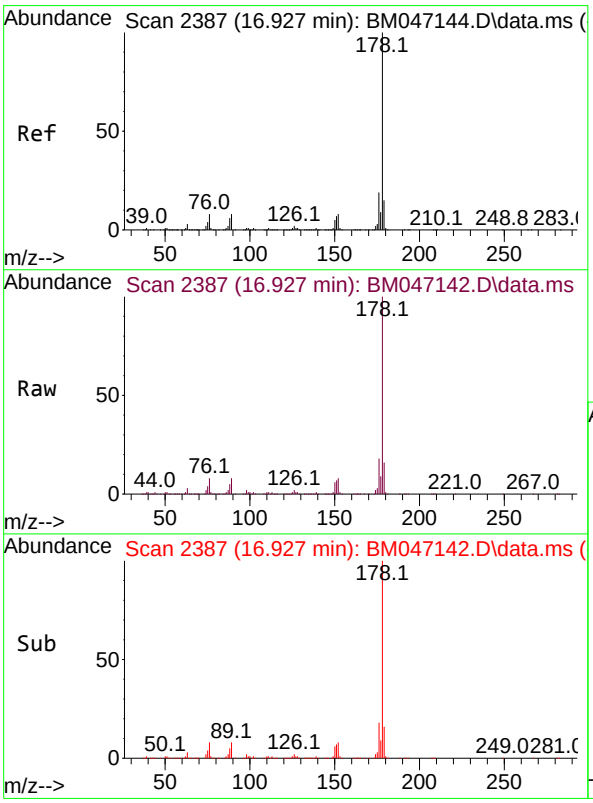
#71
Phenanthrene
Concen: 10.313 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

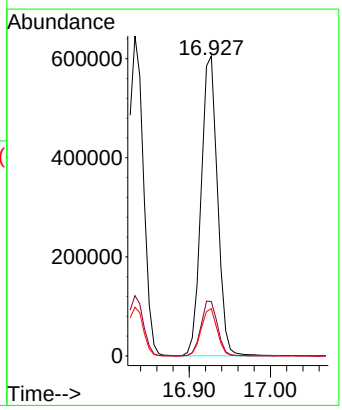


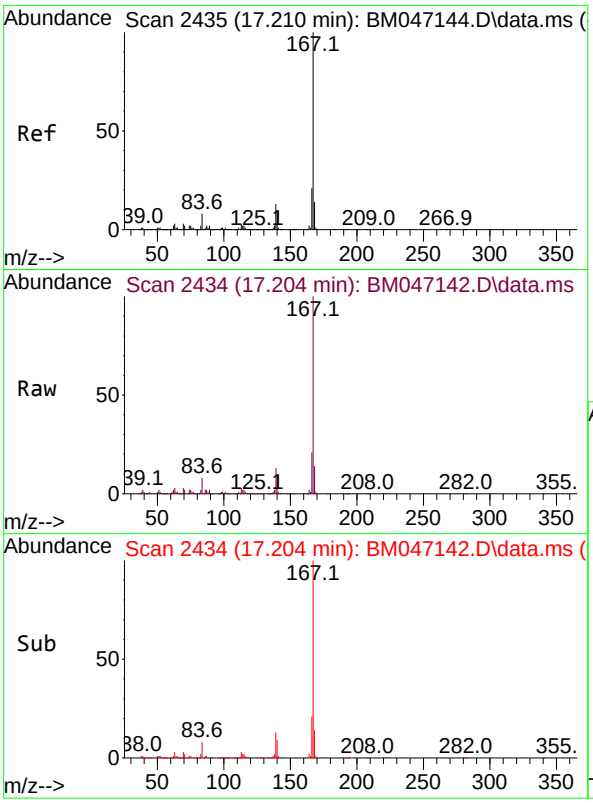


#72
Anthracene
Concen: 10.243 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



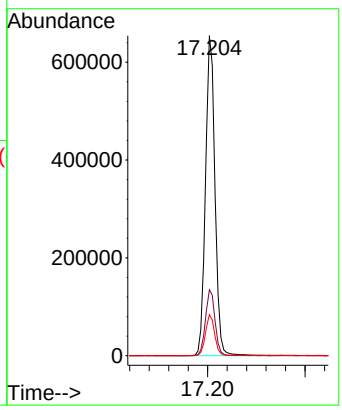


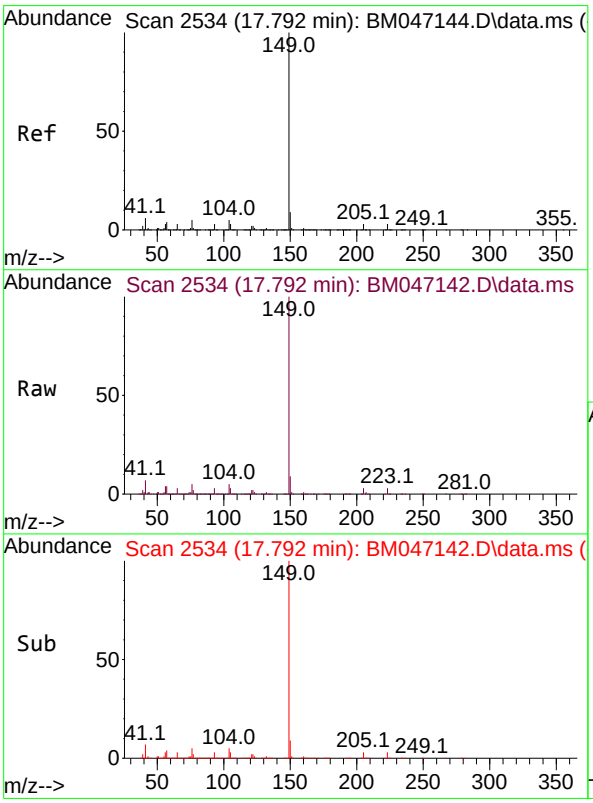
#73
Carbazole
Concen: 10.437 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

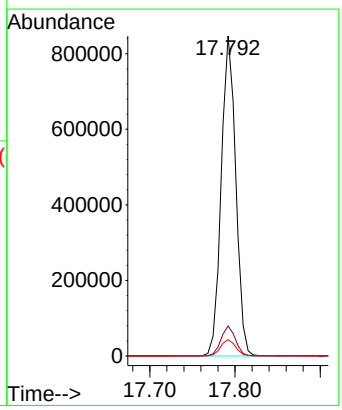


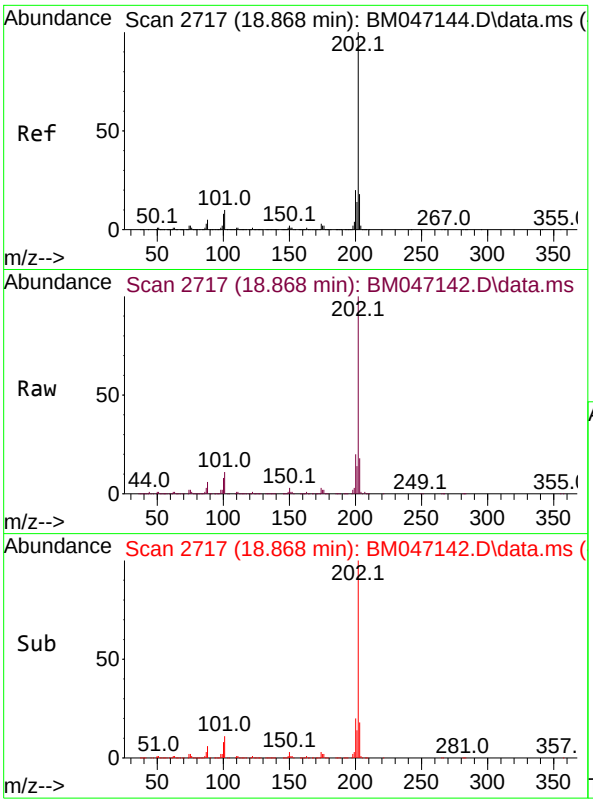


#74
Di-n-butylphthalate
Concen: 10.231 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



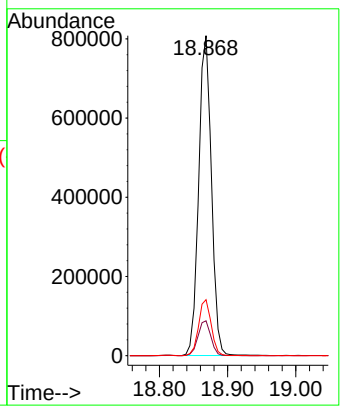


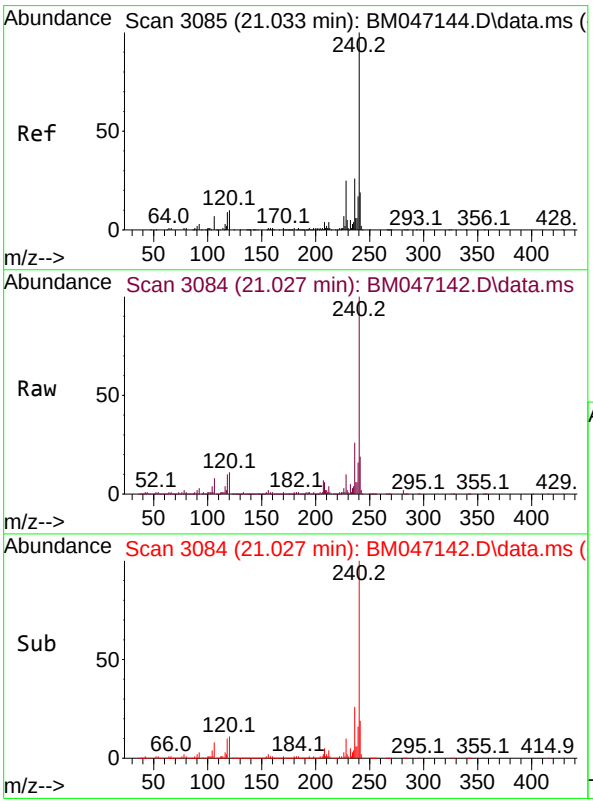
#75
Fluoranthene
Concen: 10.152 ng
RT: 18.868 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

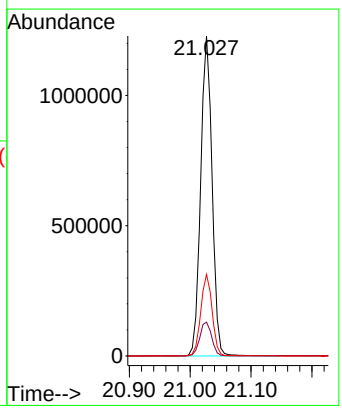


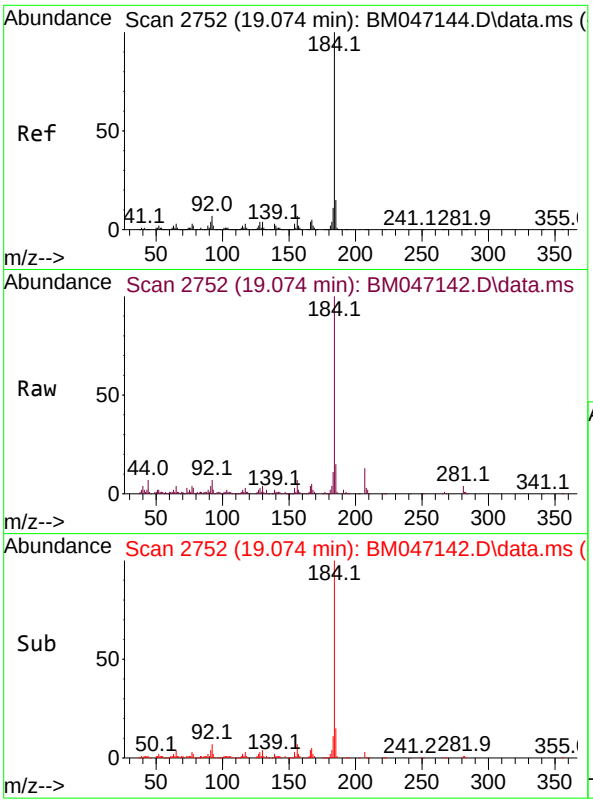


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



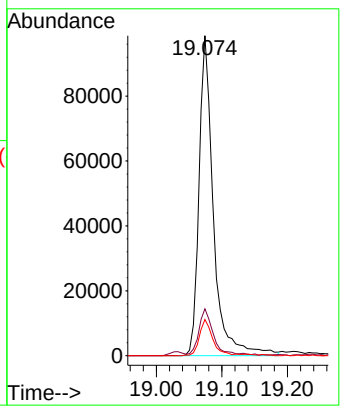


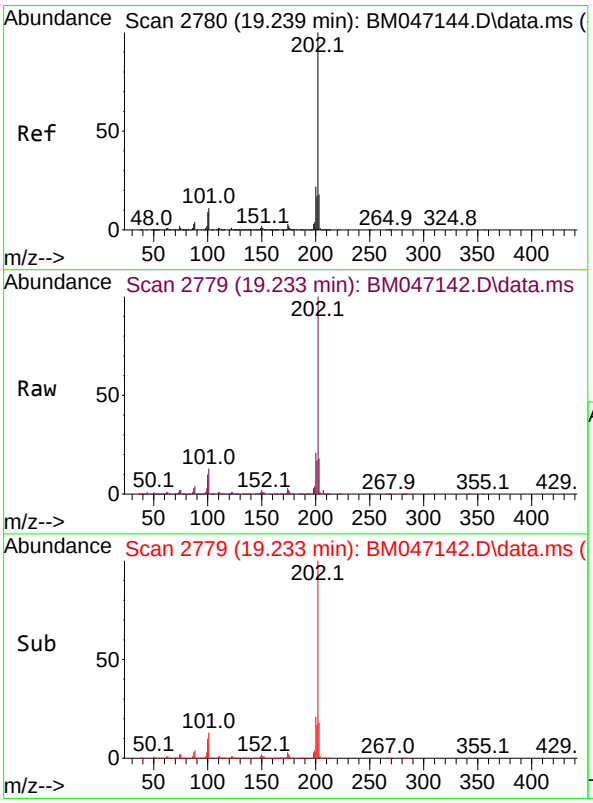
#77
Benzidine
Concen: 5.602 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

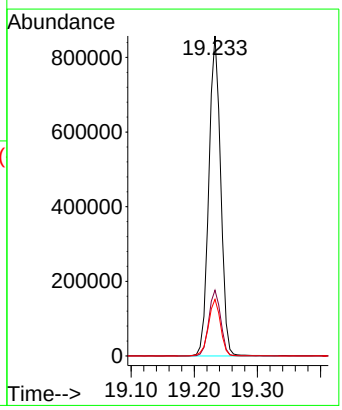


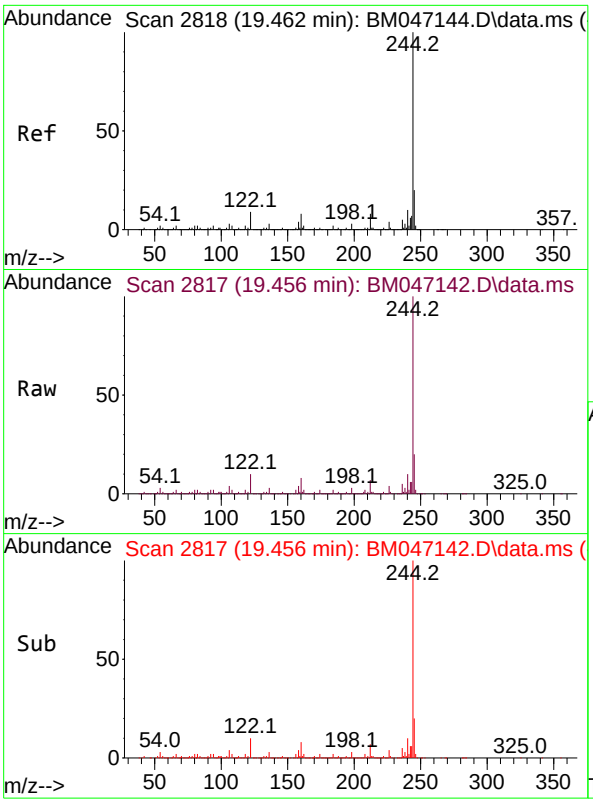


#78
Pyrene
Concen: 9.792 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



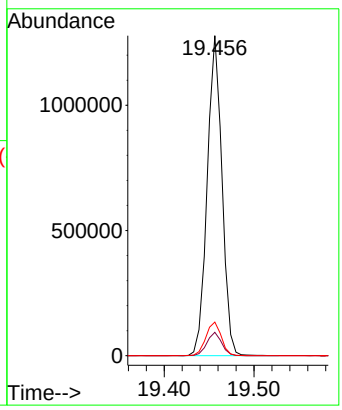


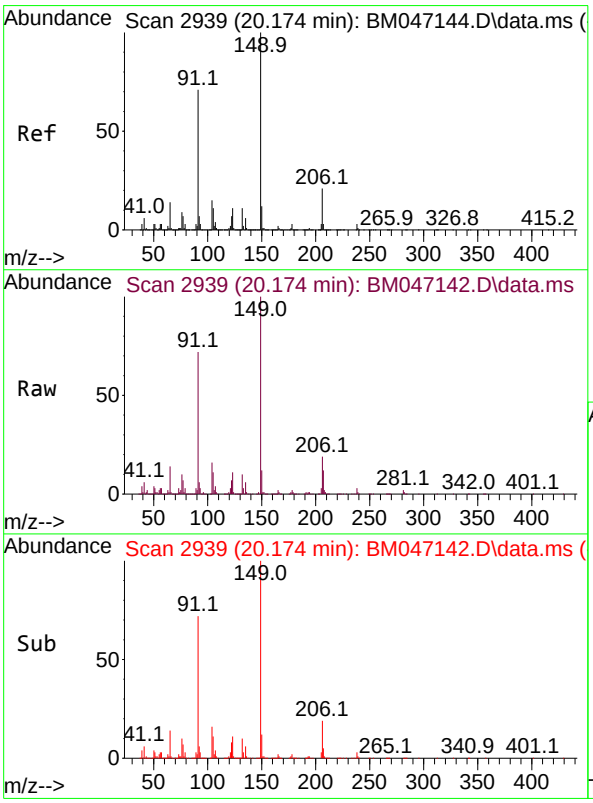
#79
Terphenyl-d14
Concen: 19.636 ng
RT: 19.456 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

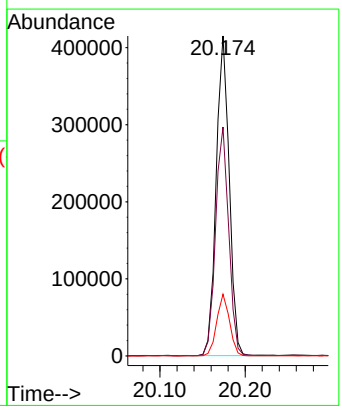


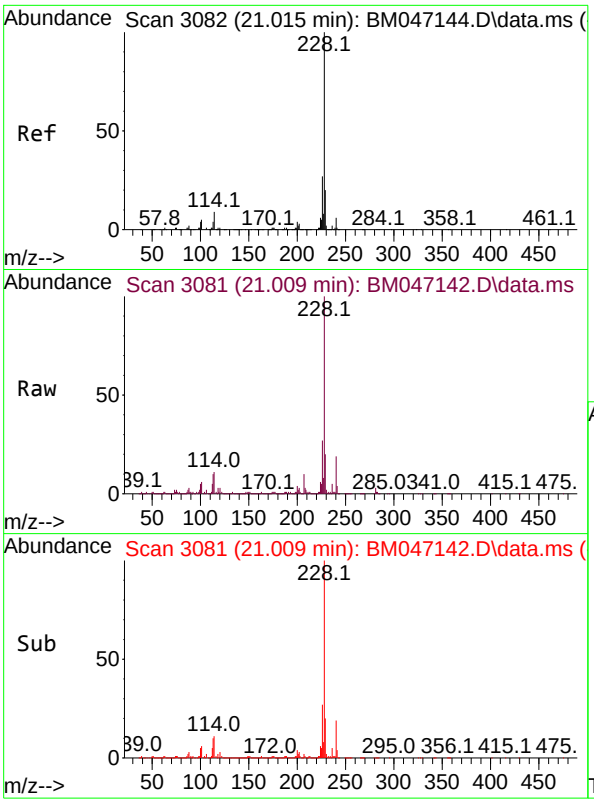


#80
Butylbenzylphthalate
Concen: 9.467 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



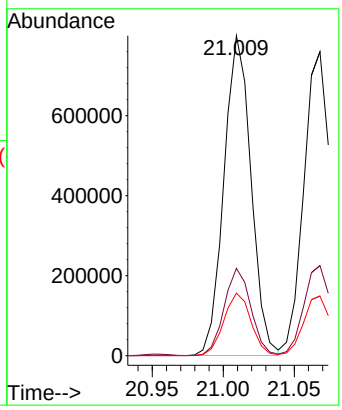


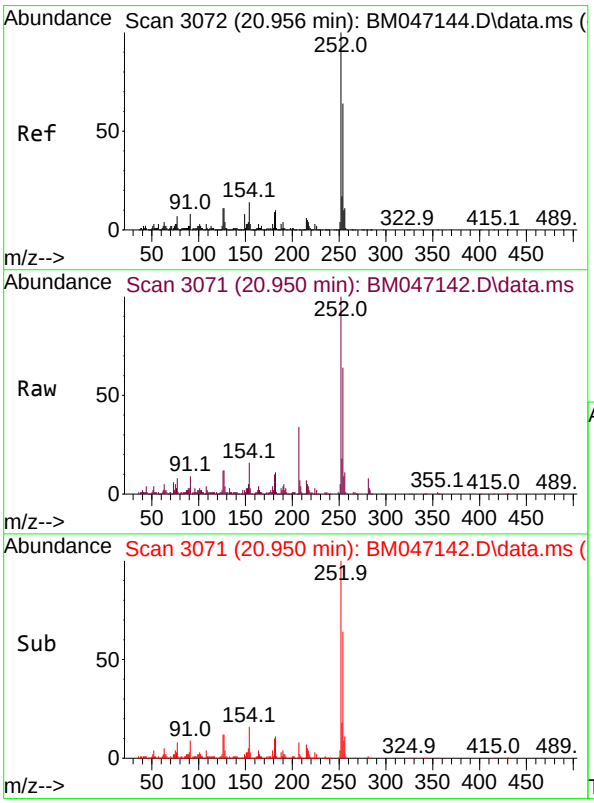
#81
Benzo(a)anthracene
Concen: 10.026 ng
RT: 21.009 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

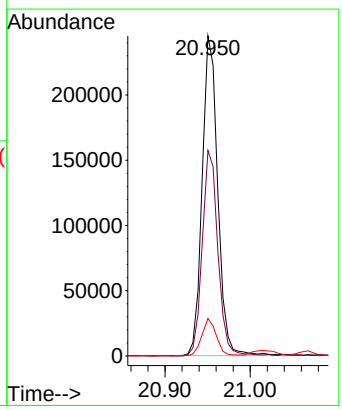


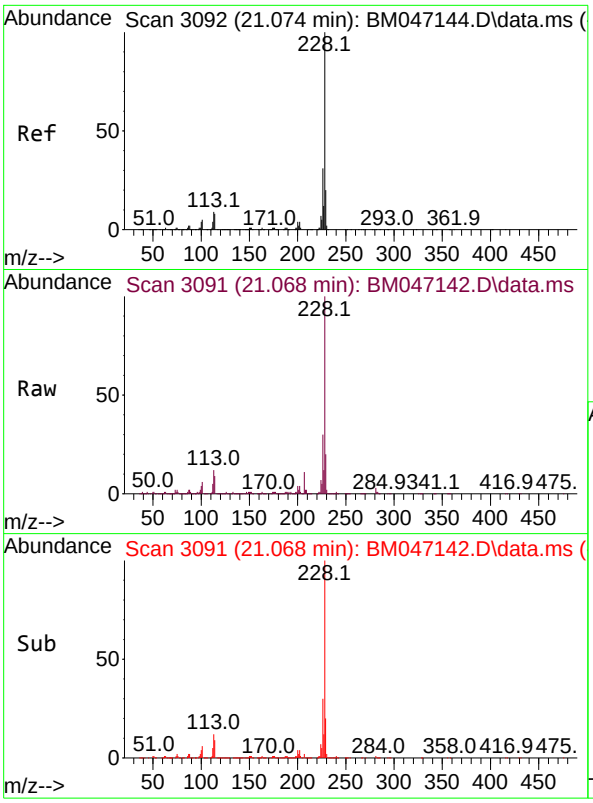


#82
3,3'-Dichlorobenzidine
Concen: 9.398 ng
RT: 20.950 min Scan# 3071
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



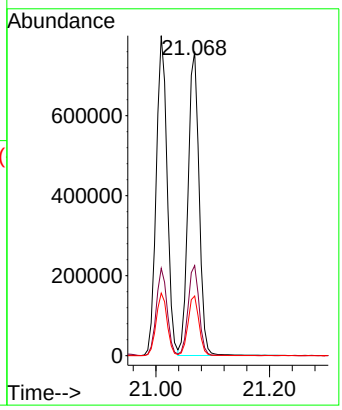


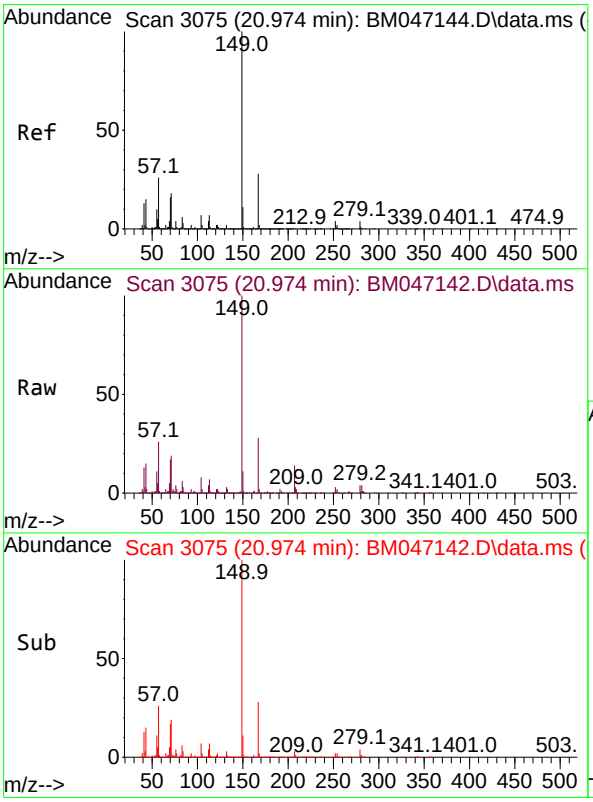
#83
Chrysene
Concen: 10.188 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

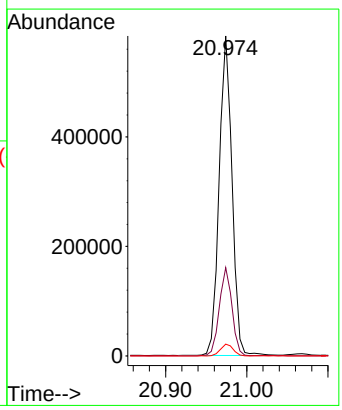


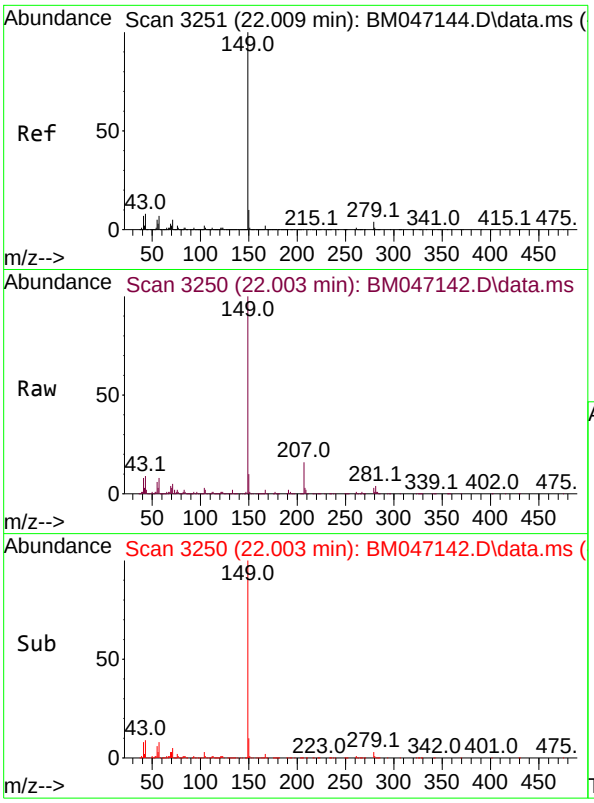


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.777 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



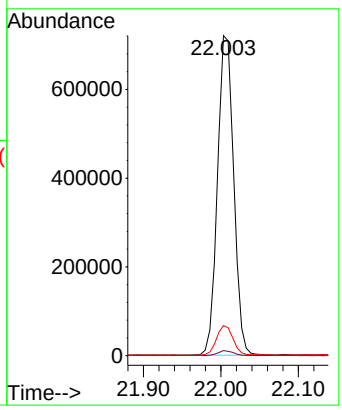


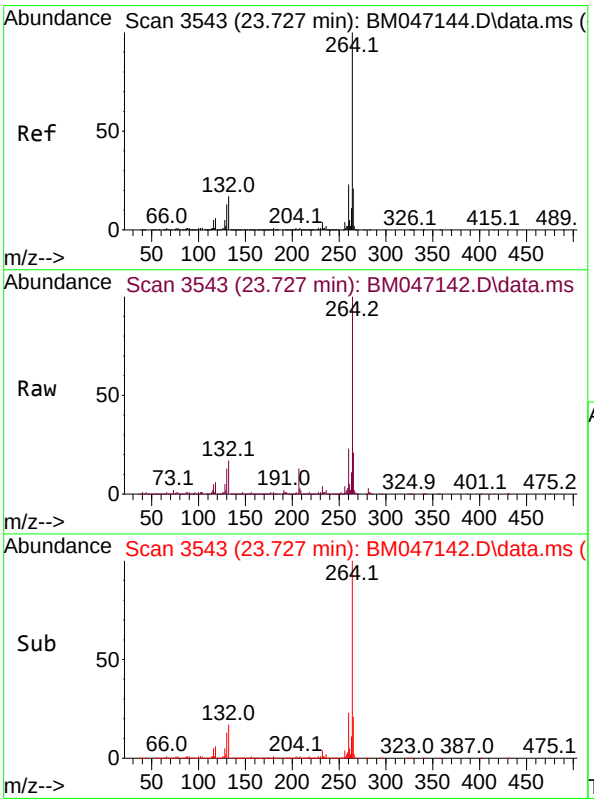
#85
Di-n-octyl phthalate
Concen: 9.368 ng
RT: 22.003 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

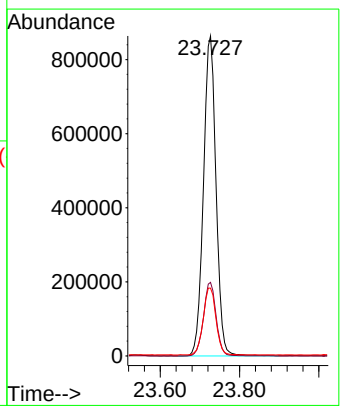


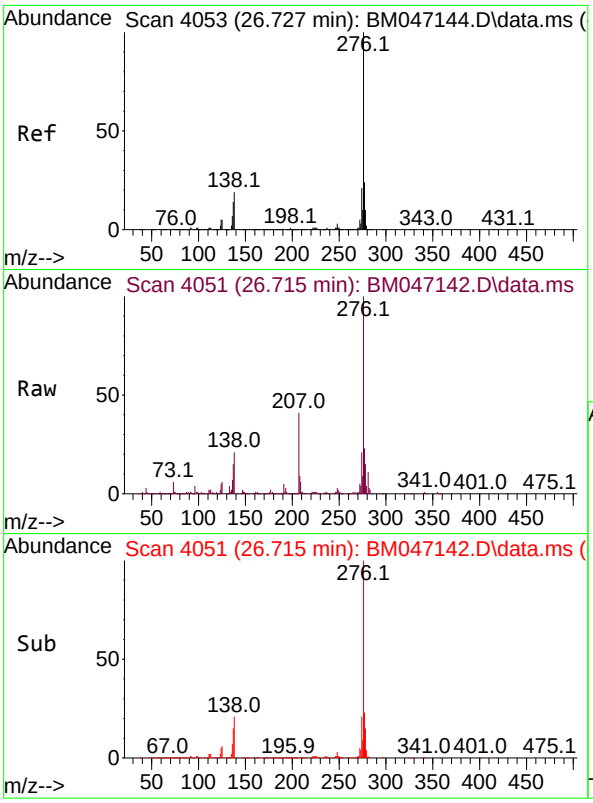


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



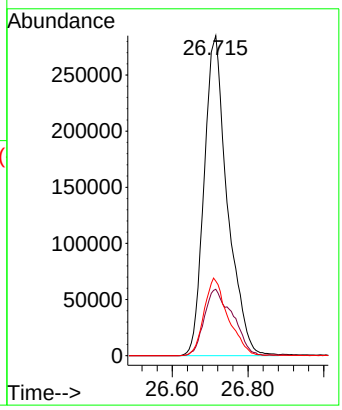


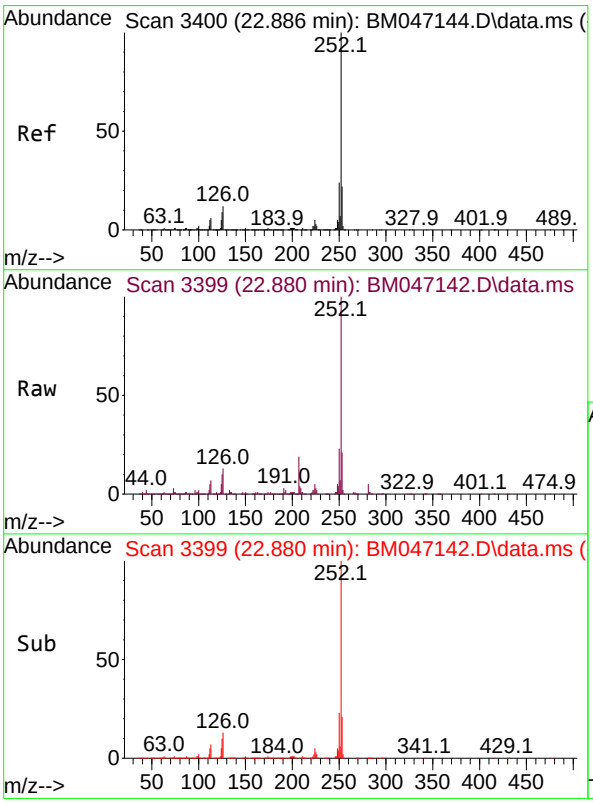
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.899 ng
RT: 26.715 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

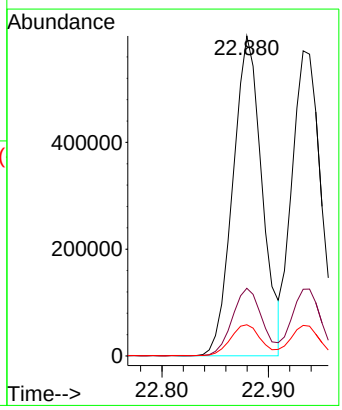


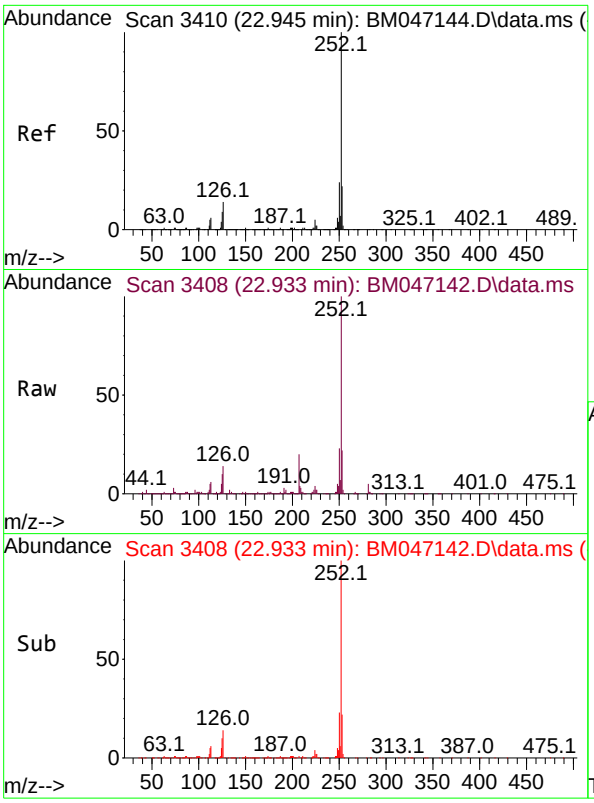


#88
Benzo(b)fluoranthene
Concen: 10.100 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



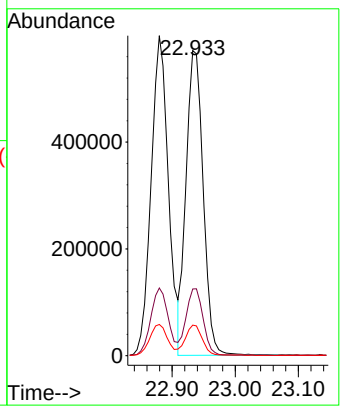


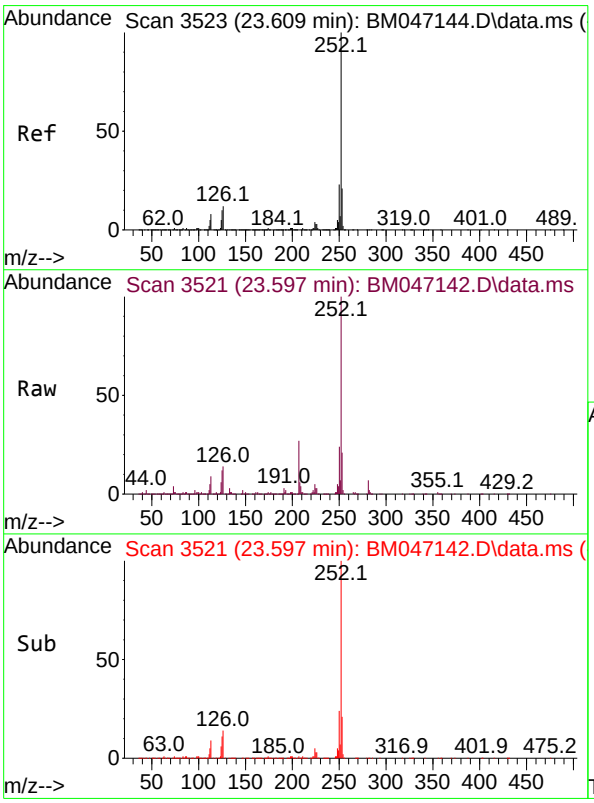
#89
Benzo(k)fluoranthene
Concen: 10.108 ng
RT: 22.933 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

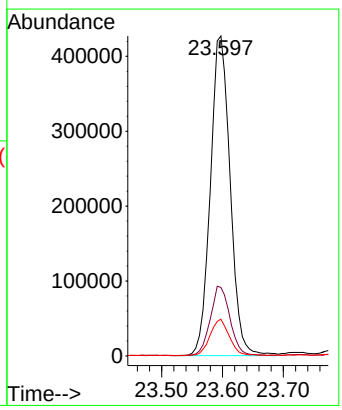


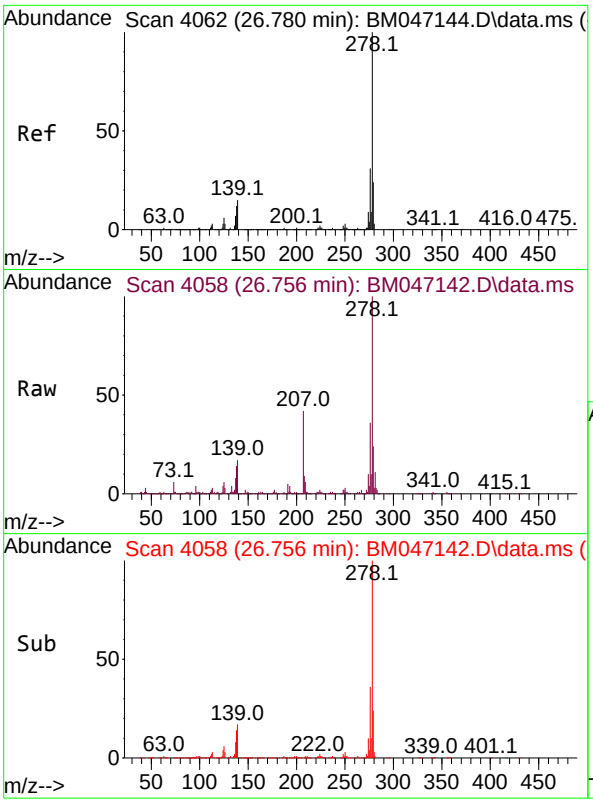


#90
Benzo(a)pyrene
Concen: 9.865 ng
RT: 23.597 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



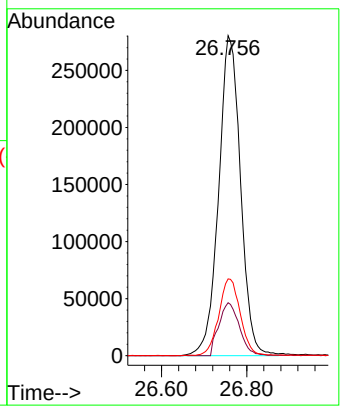


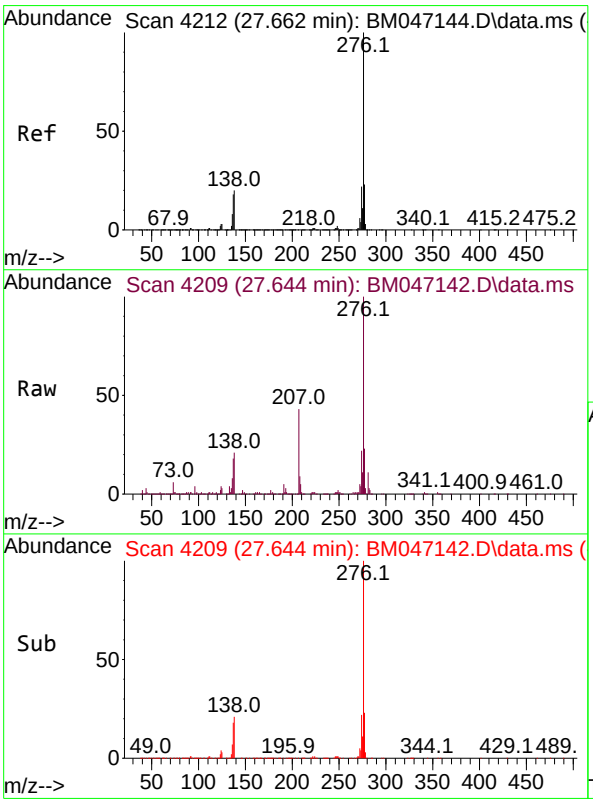
#91
Dibenzo(a,h)anthracene
Concen: 10.051 ng
RT: 26.756 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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

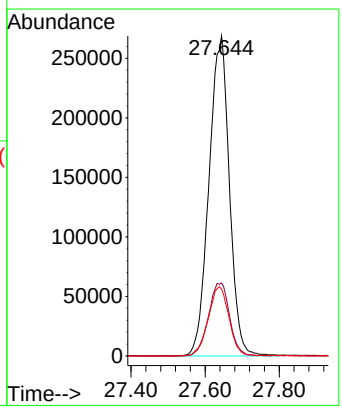




#92
Benzo(g,h,i)perylene
Concen: 9.964 ng
RT: 27.644 min Scan# 4209
Delta R.T. -0.018 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

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



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

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

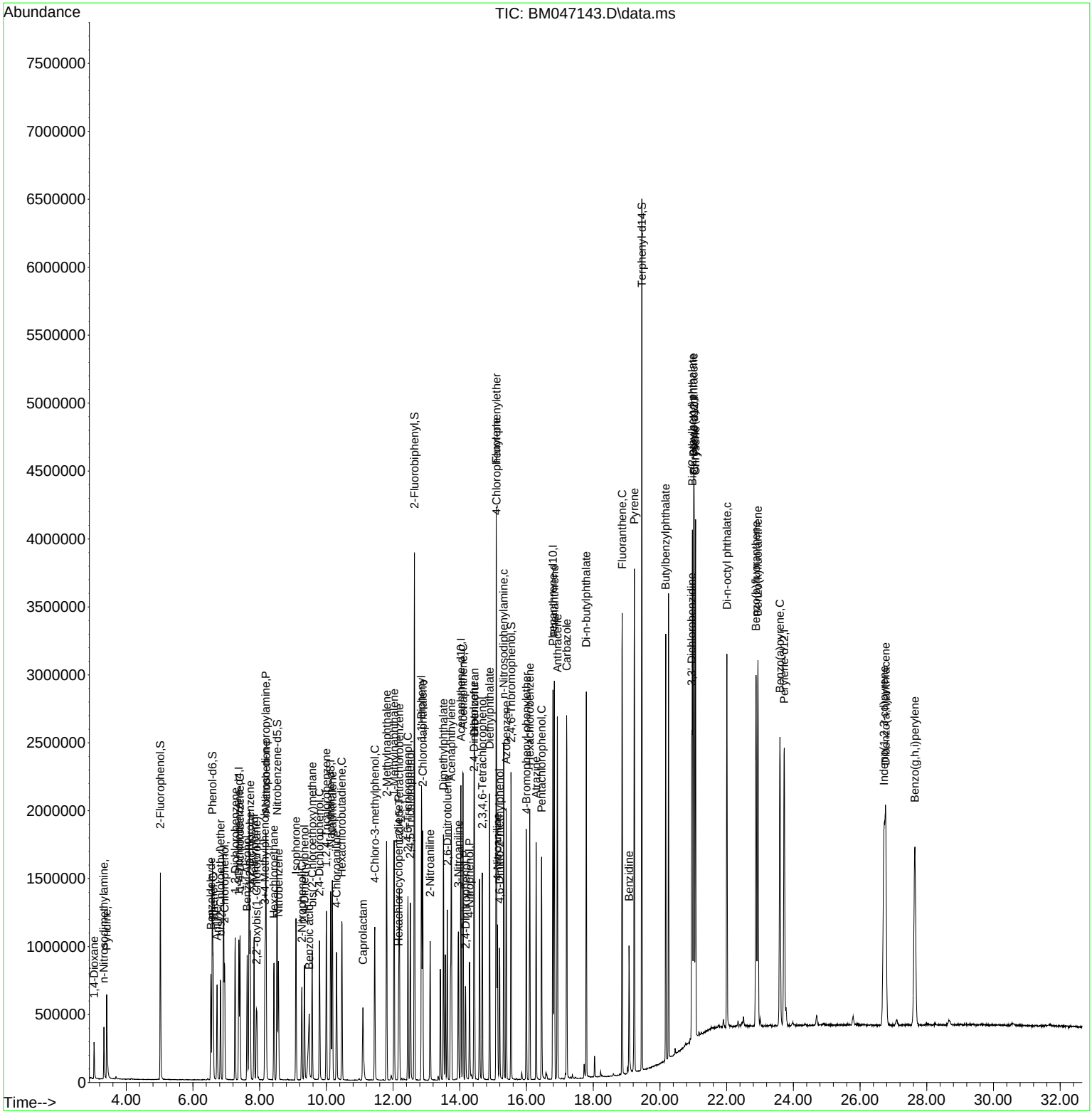
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	327981	20.371	ng	98
46) 1,1'-Biphenyl	12.851	154	1106359	20.776	ng	98
47) 2-Chloronaphthalene	12.887	162	879955	21.142	ng	99
48) 2-Nitroaniline	13.110	65	274398	21.044	ng	96
49) Acenaphthylene	13.745	152	1295508	21.117	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

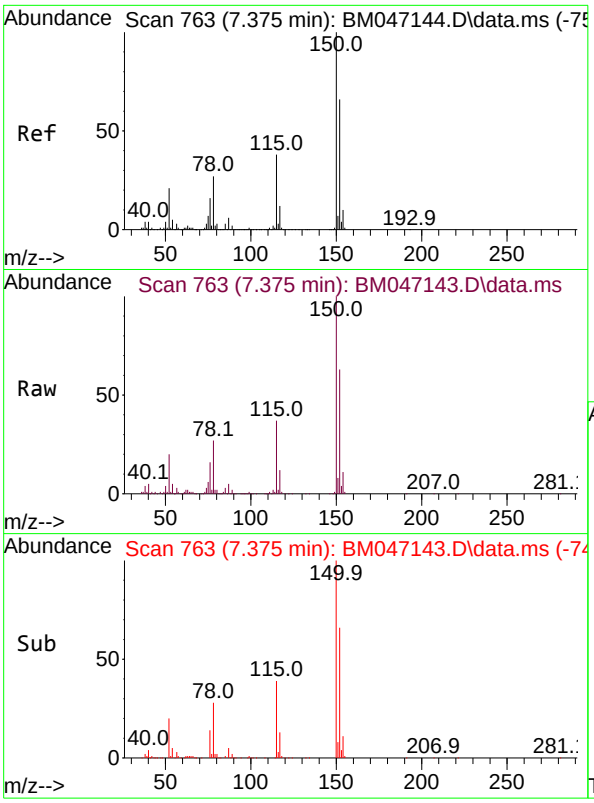
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



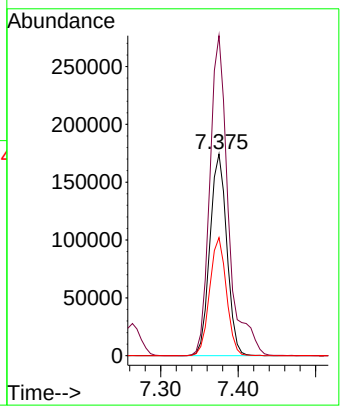


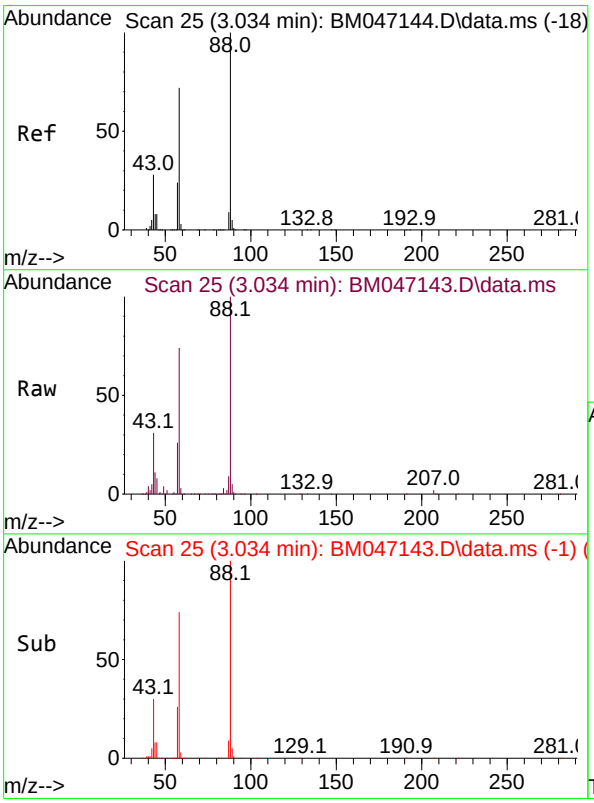
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

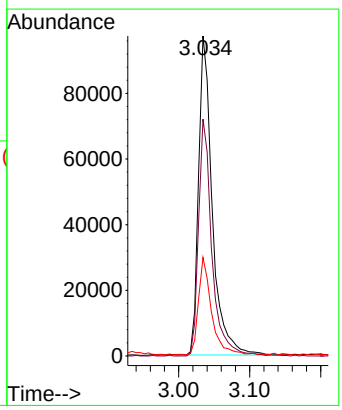


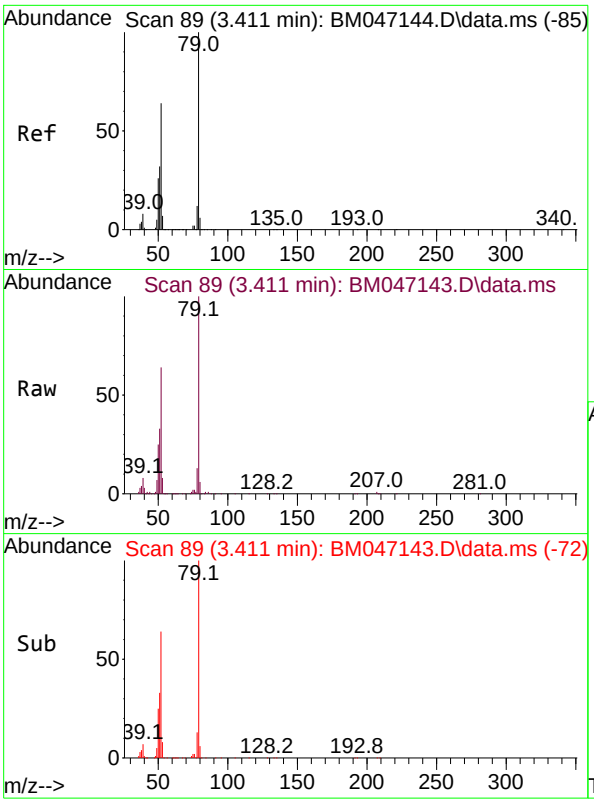


#2
1,4-Dioxane
Concen: 21.364 ng
RT: 3.034 min Scan# 25
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



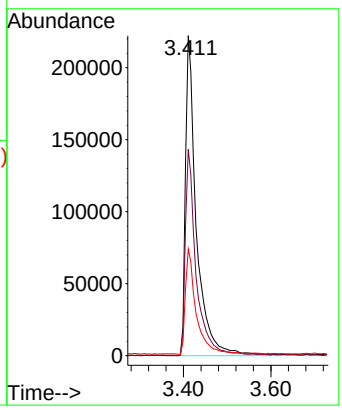


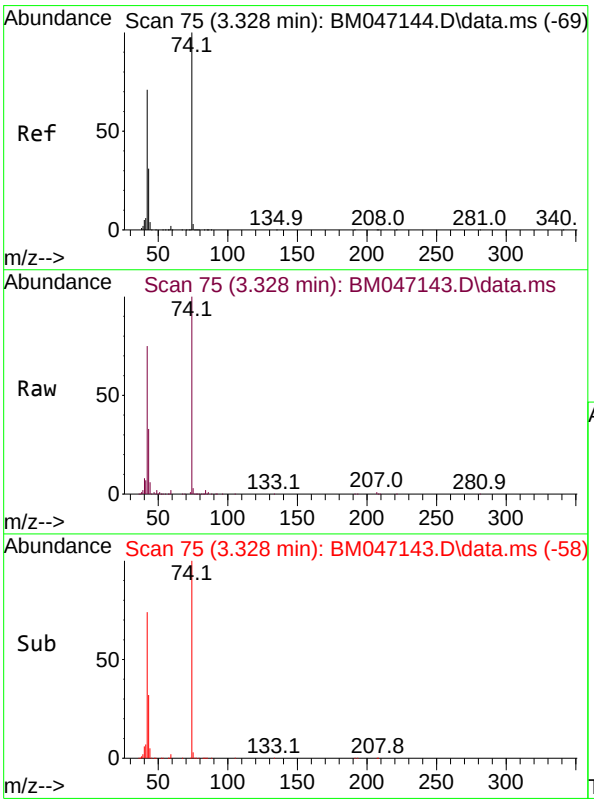
#3
Pyridine
Concen: 21.451 ng
RT: 3.411 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

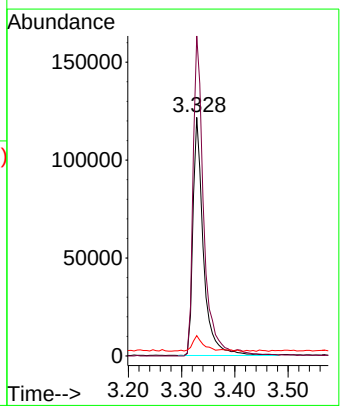


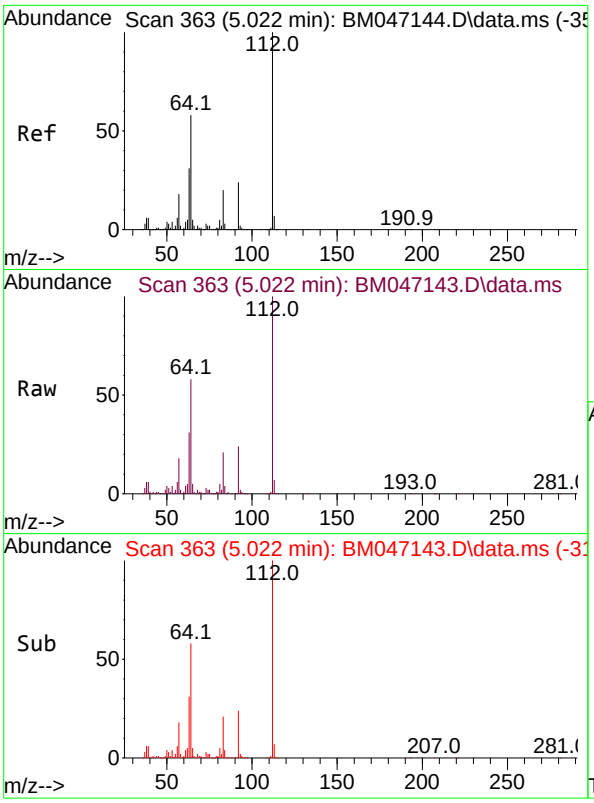


#4
n-Nitrosodimethylamine
Concen: 21.188 ng
RT: 3.328 min Scan# 75
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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#



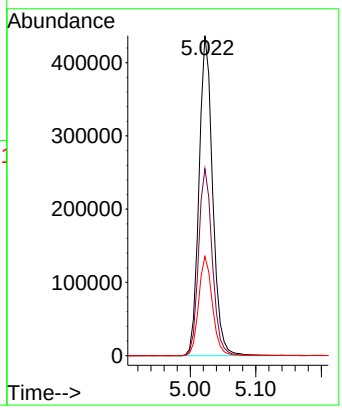


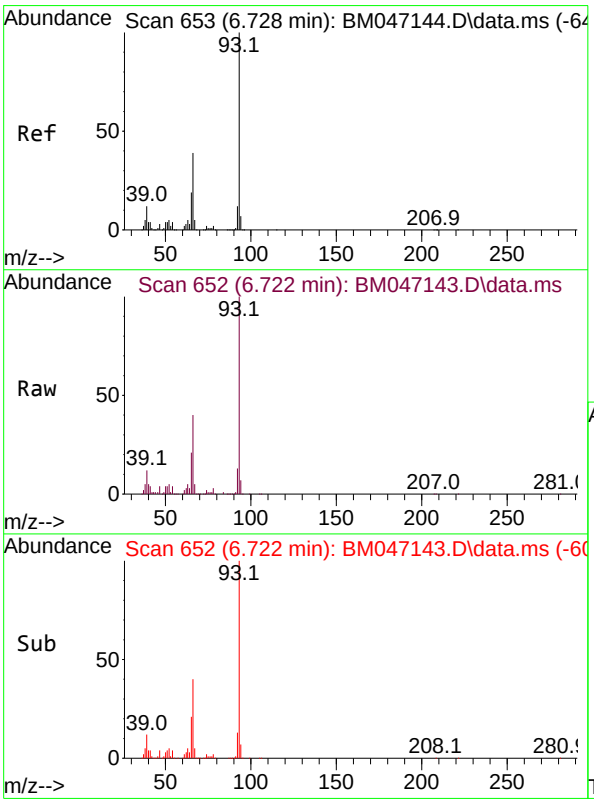
#5
2-Fluorophenol
Concen: 42.772 ng
RT: 5.022 min Scan# 3(
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

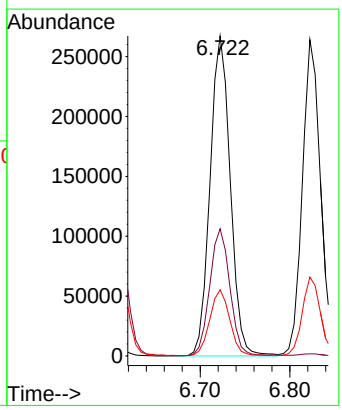


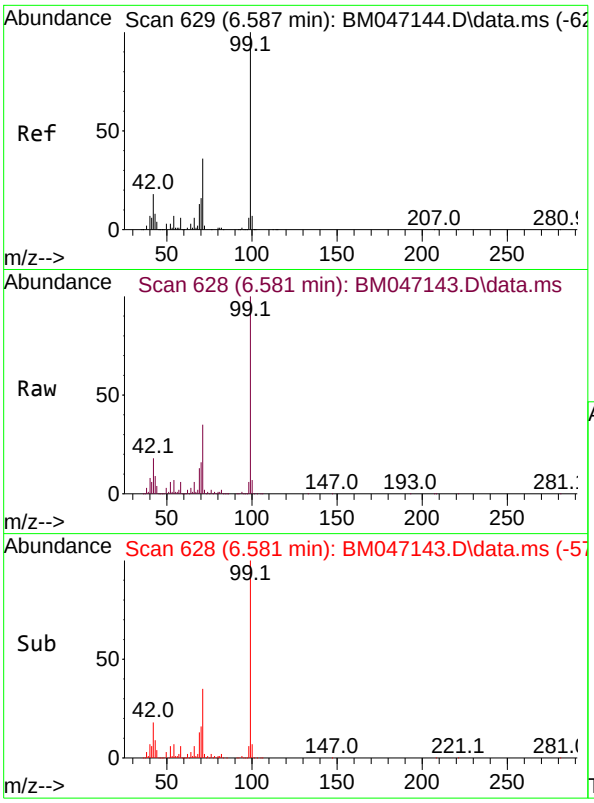


#6
Aniline
Concen: 21.723 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



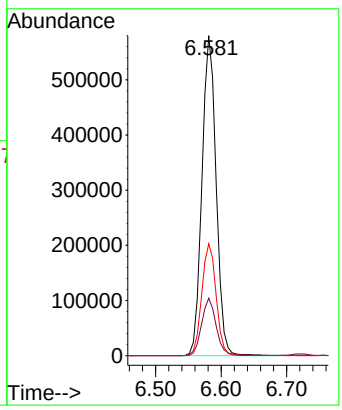


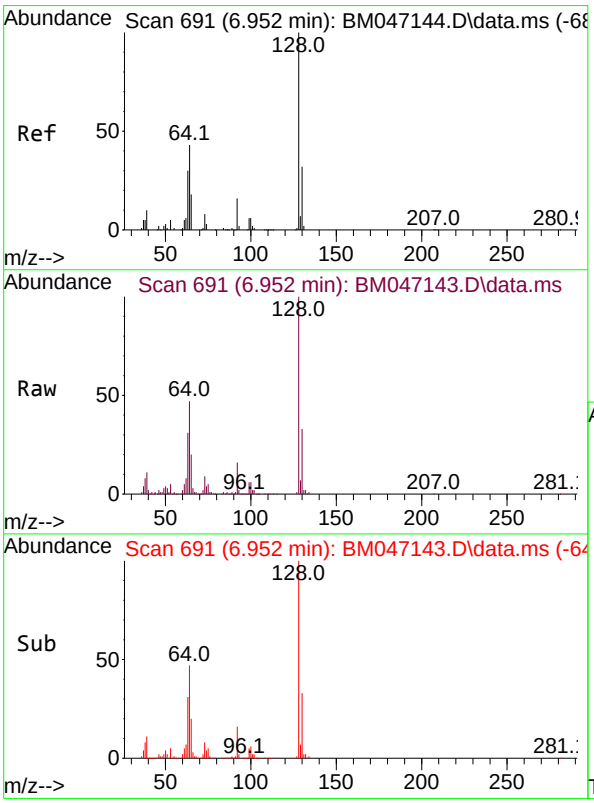
#7
Phenol-d6
Concen: 42.833 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

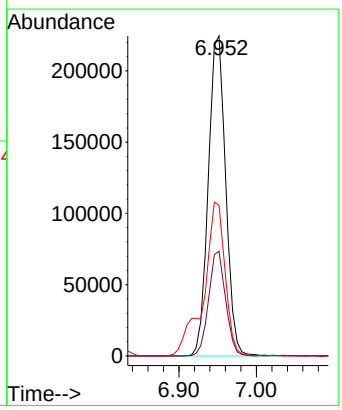


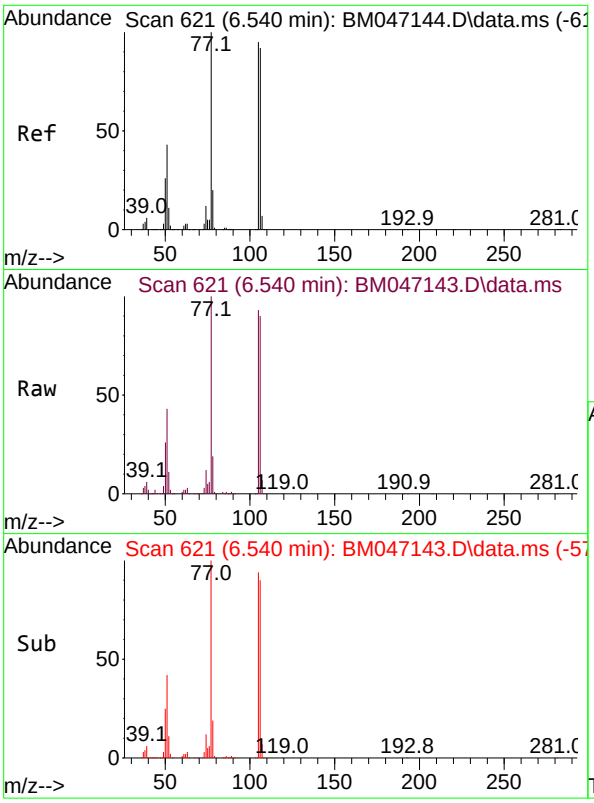


#8
2-Chlorophenol
Concen: 21.684 ng
RT: 6.952 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



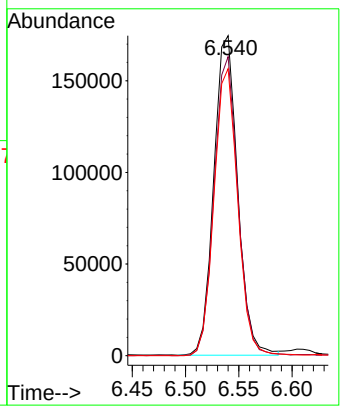


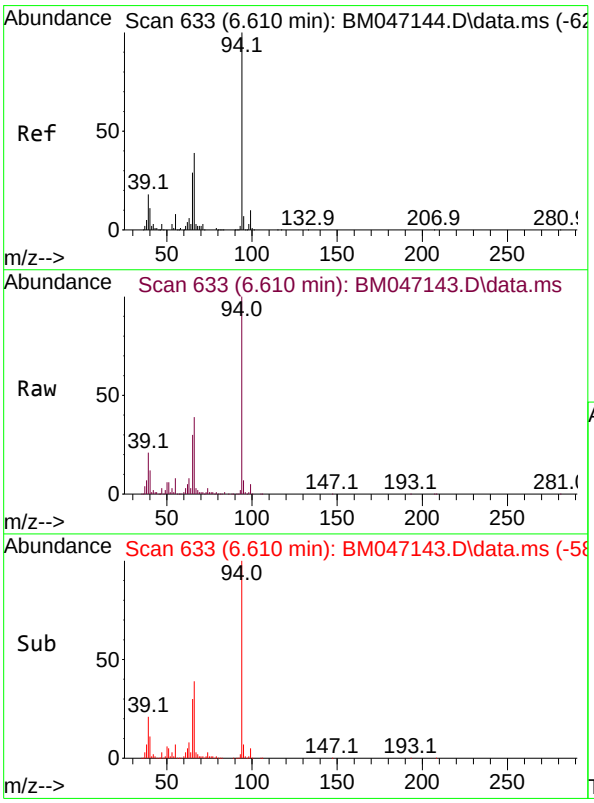
#9
Benzaldehyde
Concen: 21.095 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

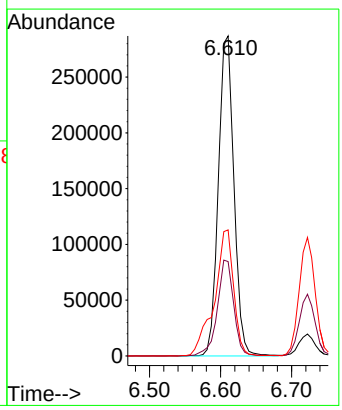


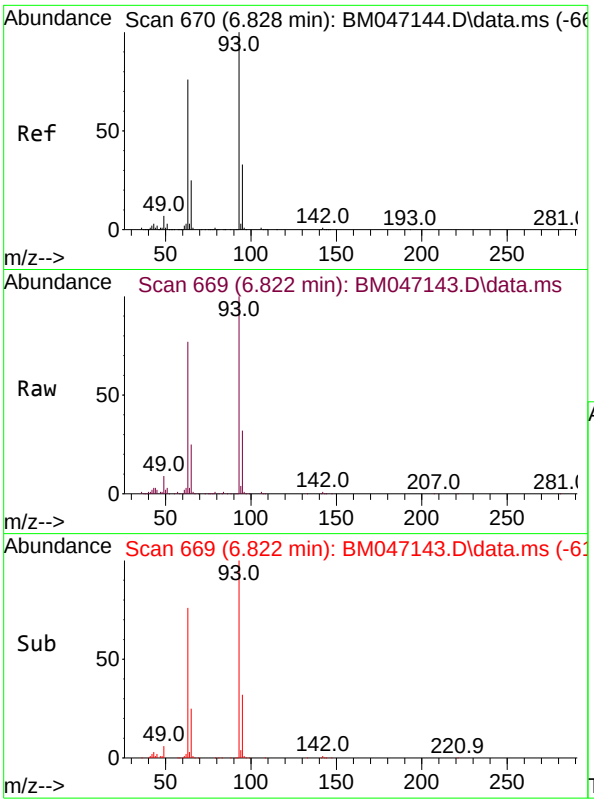


#10
Phenol
Concen: 21.375 ng
RT: 6.610 min Scan# 633
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



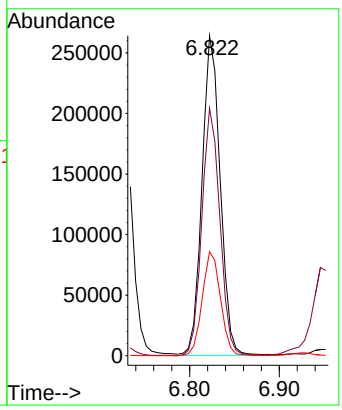


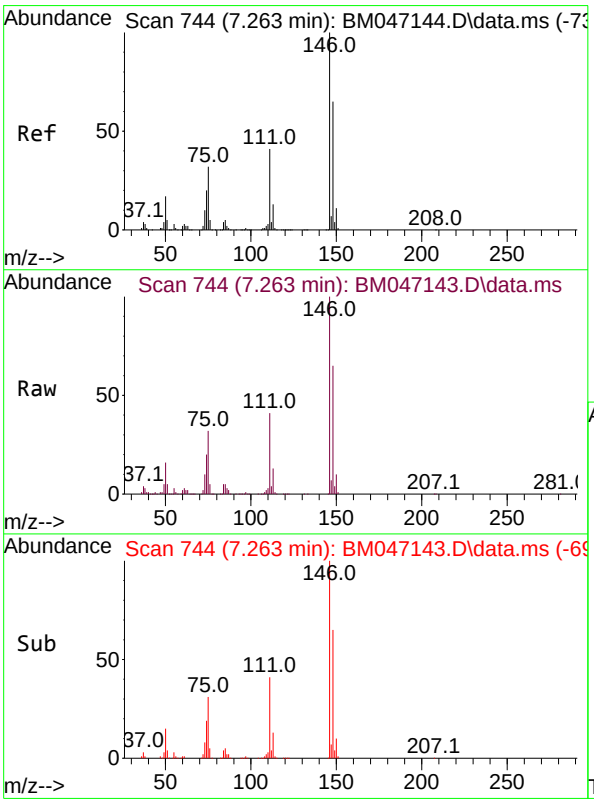
#11
bis(2-Chloroethyl)ether
Concen: 21.351 ng
RT: 6.822 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

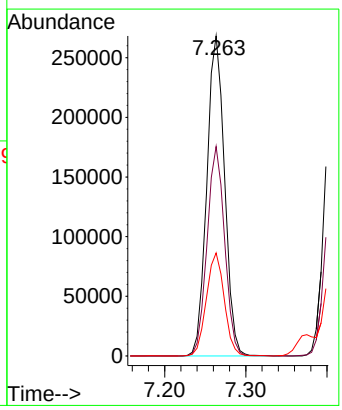


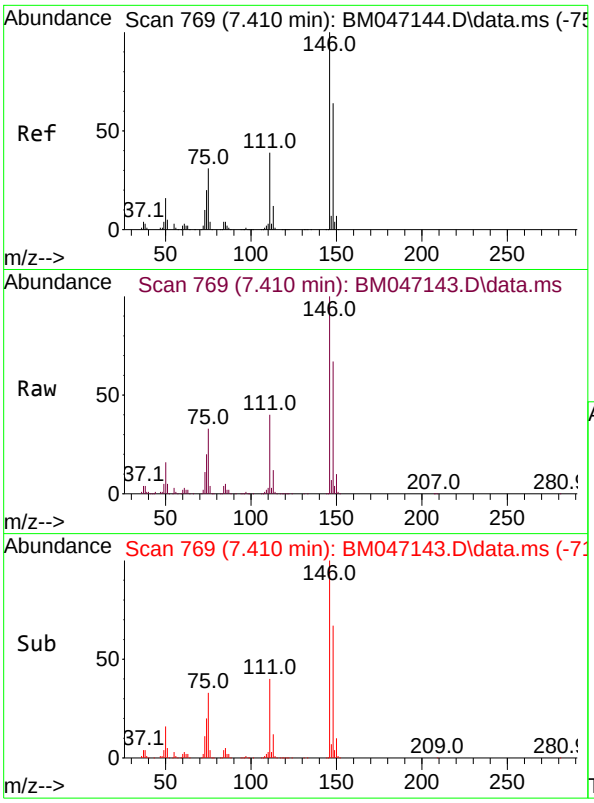


#12
1,3-Dichlorobenzene
Concen: 21.185 ng
RT: 7.263 min Scan# 744
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



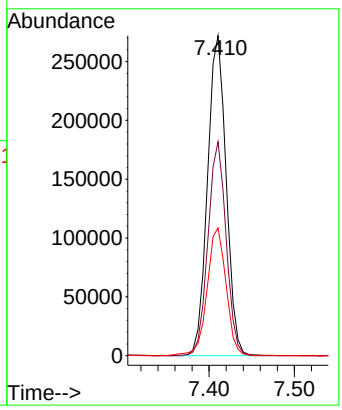


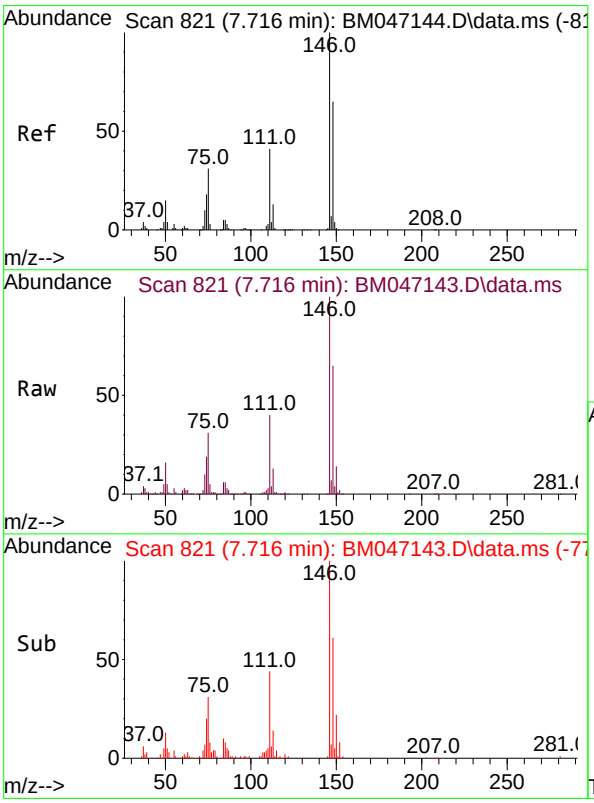
#13
1,4-Dichlorobenzene
Concen: 21.269 ng
RT: 7.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

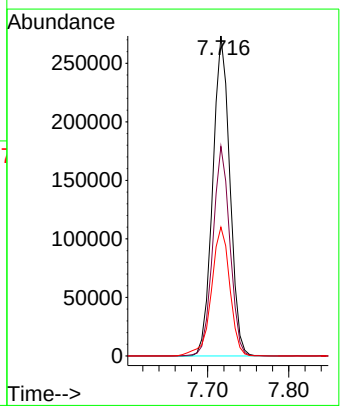


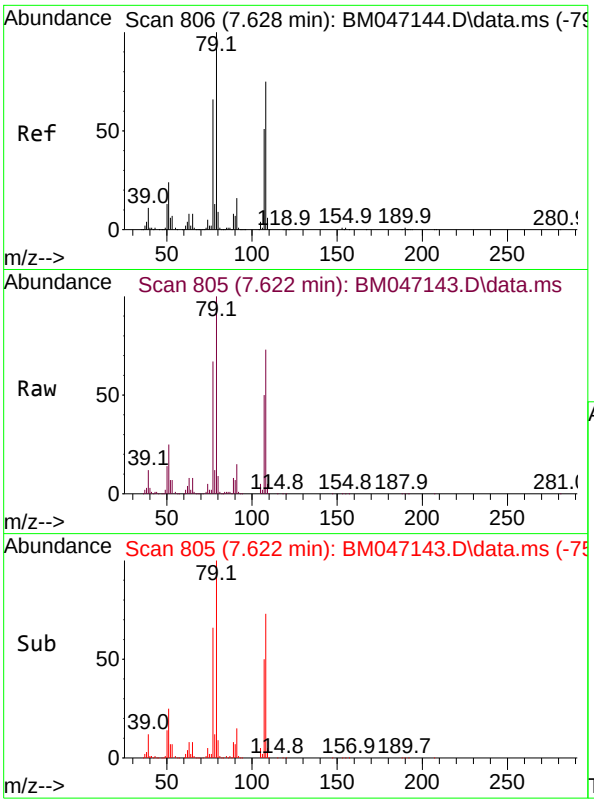


#14
1,2-Dichlorobenzene
Concen: 21.850 ng
RT: 7.716 min Scan# 821
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



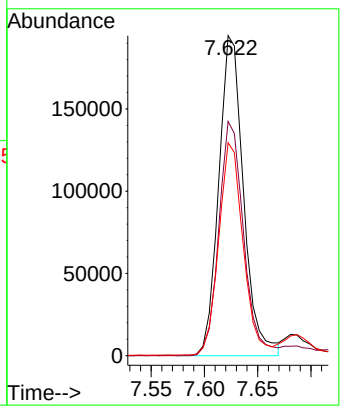


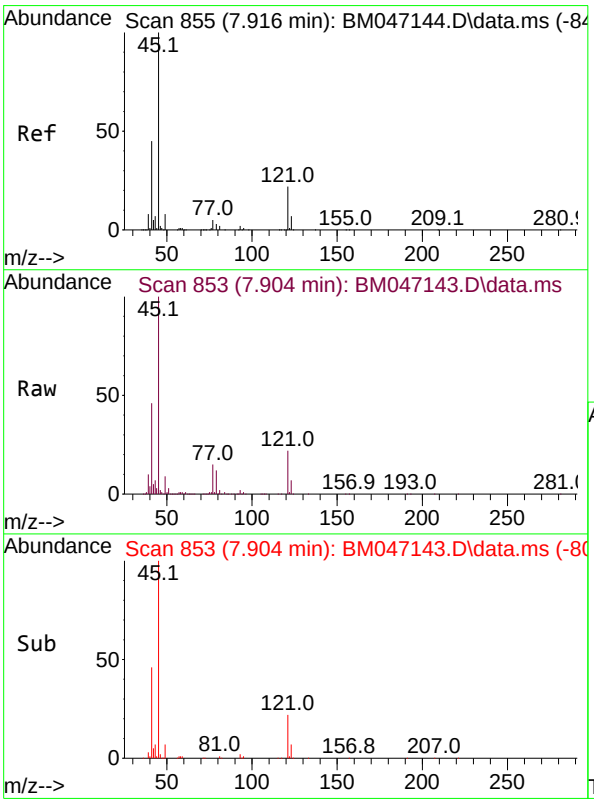
#15
Benzyl Alcohol
Concen: 21.667 ng
RT: 7.622 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

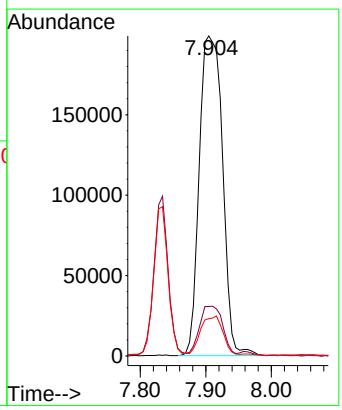


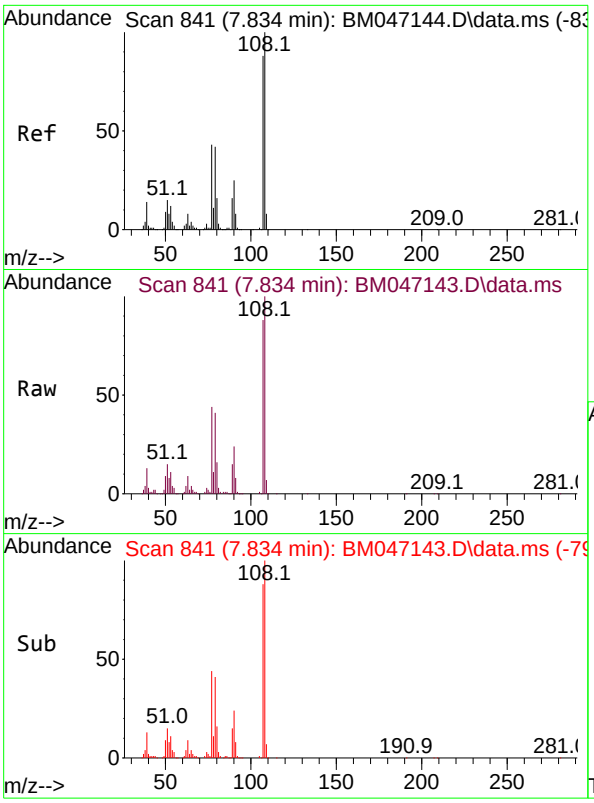


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.956 ng
RT: 7.904 min Scan# 853
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



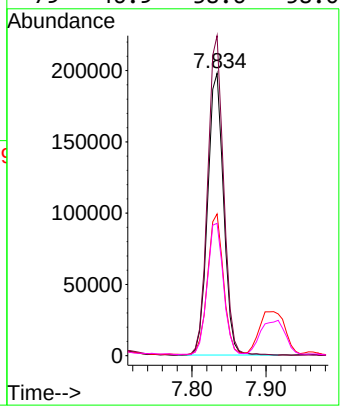


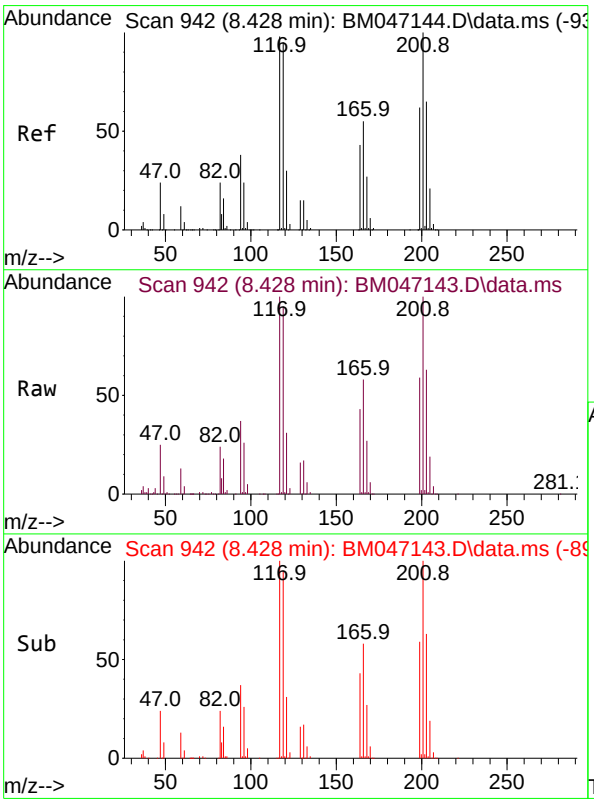
#17
2-Methylphenol
Concen: 21.718 ng
RT: 7.834 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

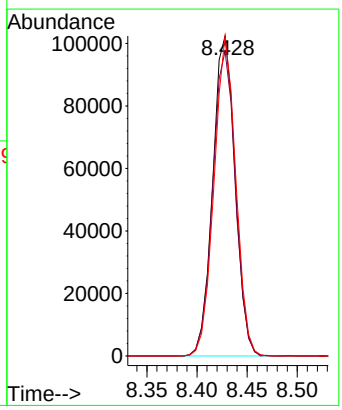


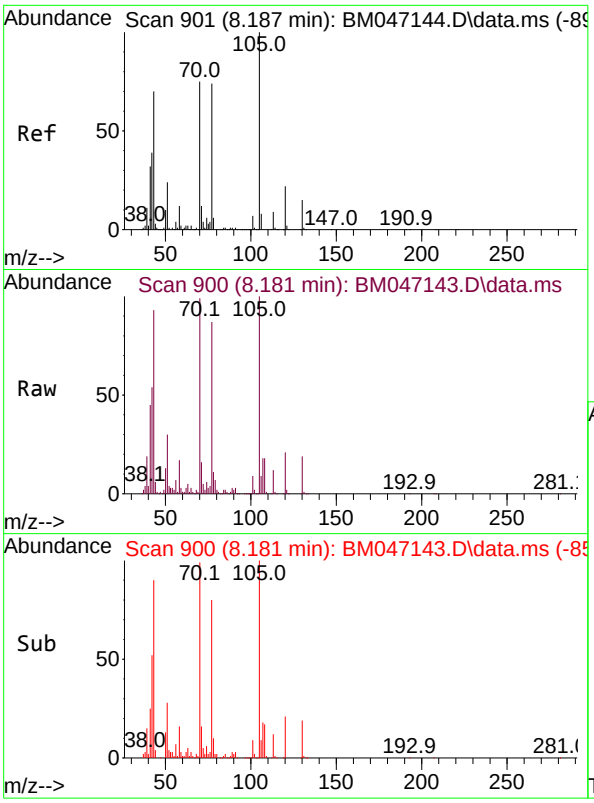


#18
Hexachloroethane
Concen: 21.091 ng
RT: 8.428 min Scan# 942
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



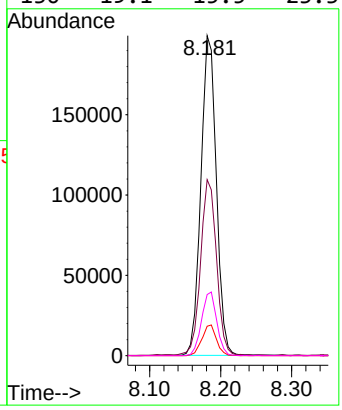


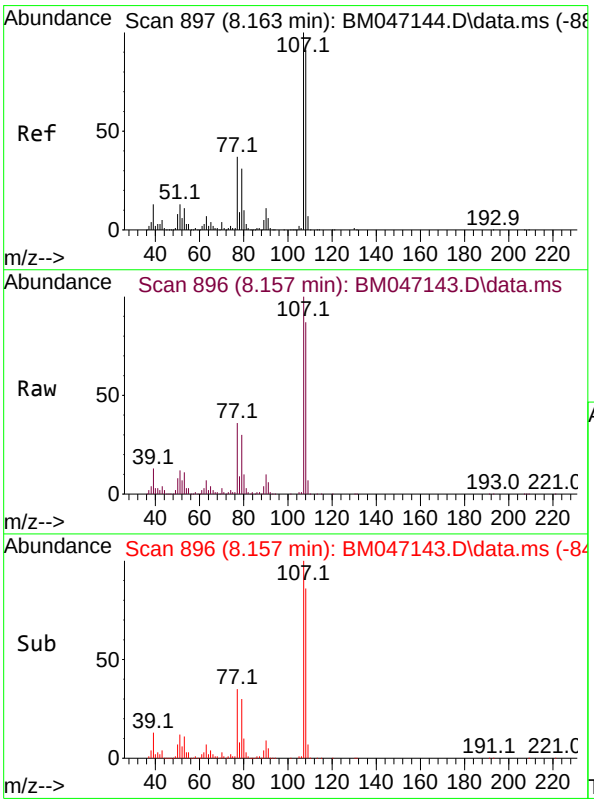
#19
n-Nitroso-di-n-propylamine
Concen: 21.907 ng
RT: 8.181 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

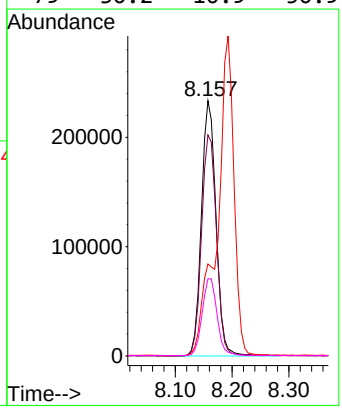


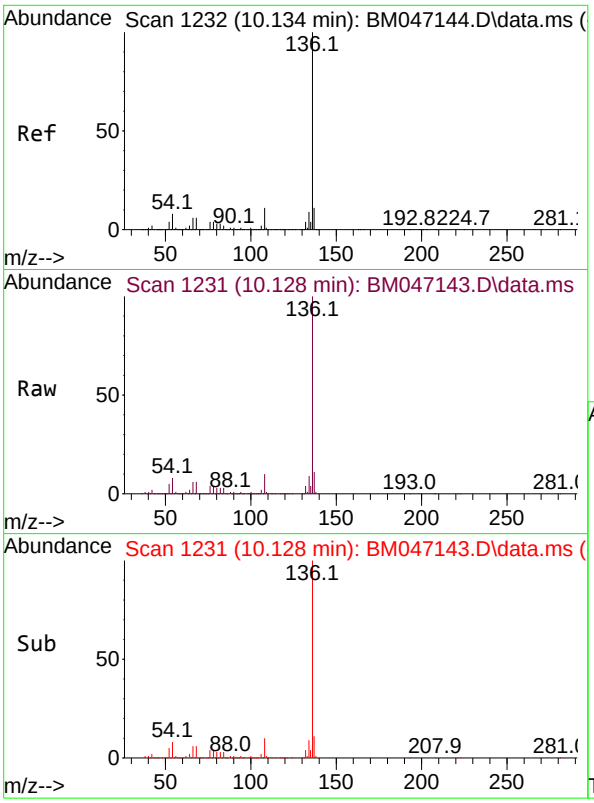


#20
3+4-Methylphenols
Concen: 21.871 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



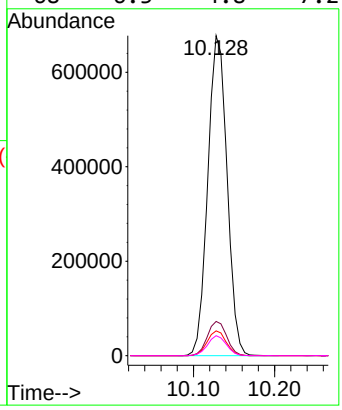


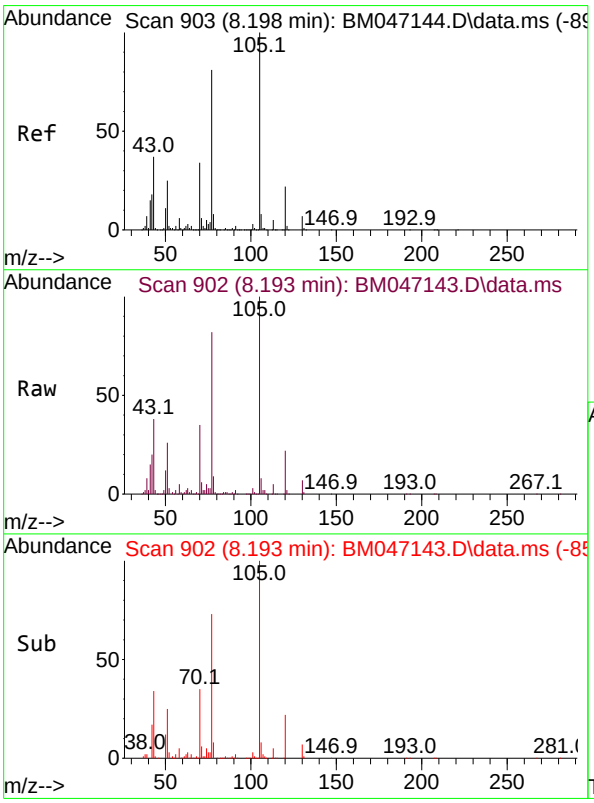
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

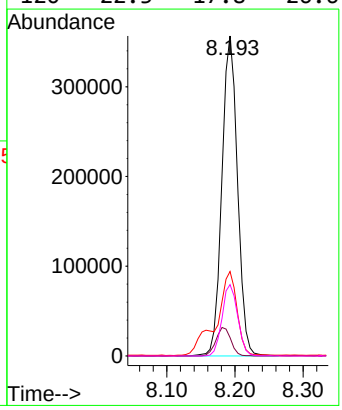


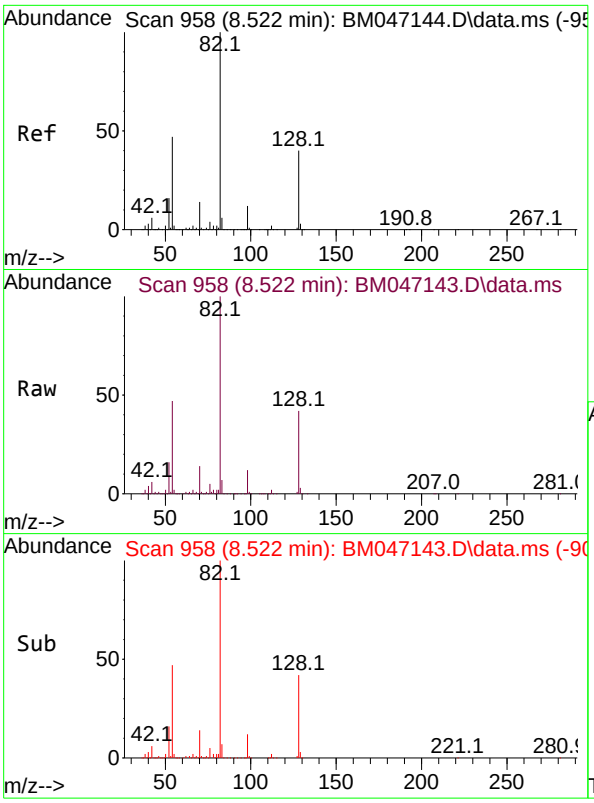


#22
Acetophenone
Concen: 21.130 ng
RT: 8.193 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



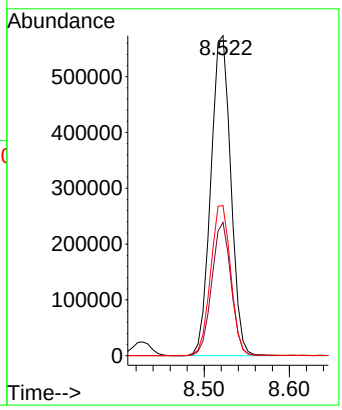


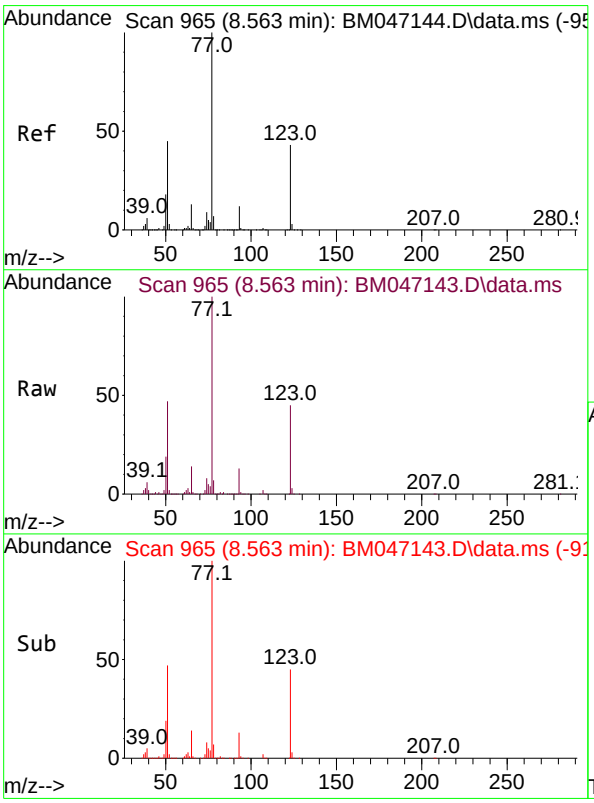
#23
Nitrobenzene-d5
Concen: 42.259 ng
RT: 8.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

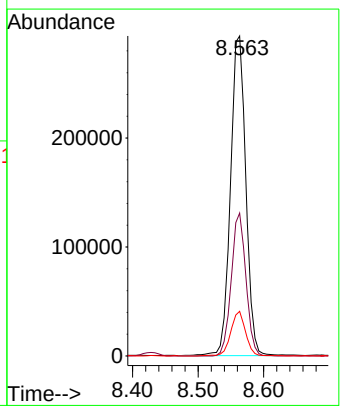


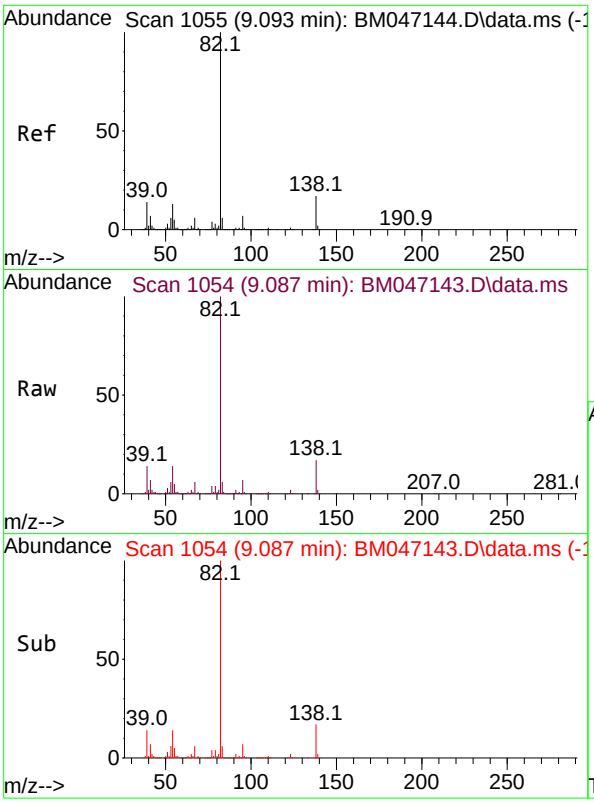


#24
Nitrobenzene
Concen: 21.382 ng
RT: 8.563 min Scan# 965
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



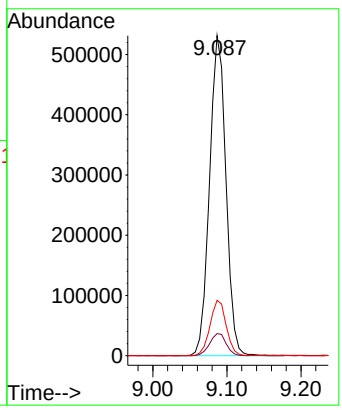


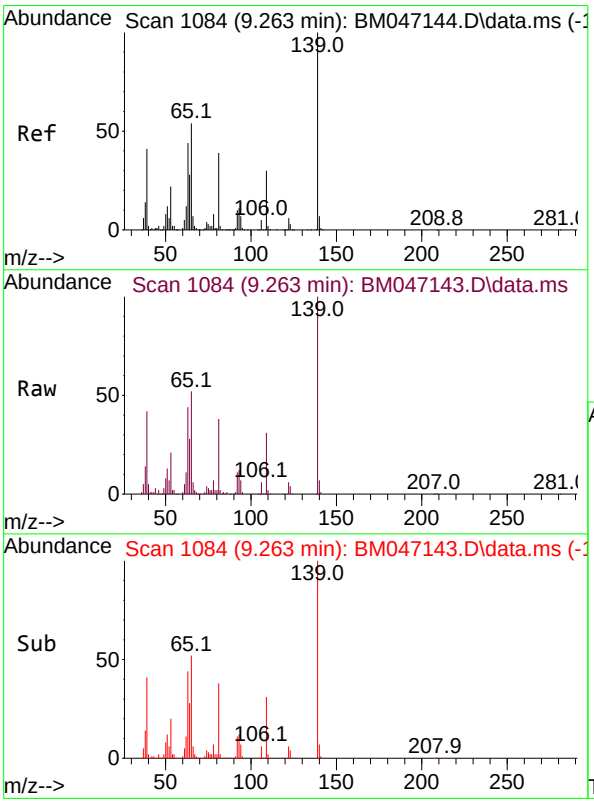
#25
Isophorone
Concen: 21.163 ng
RT: 9.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

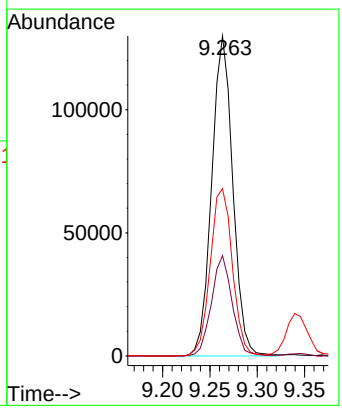


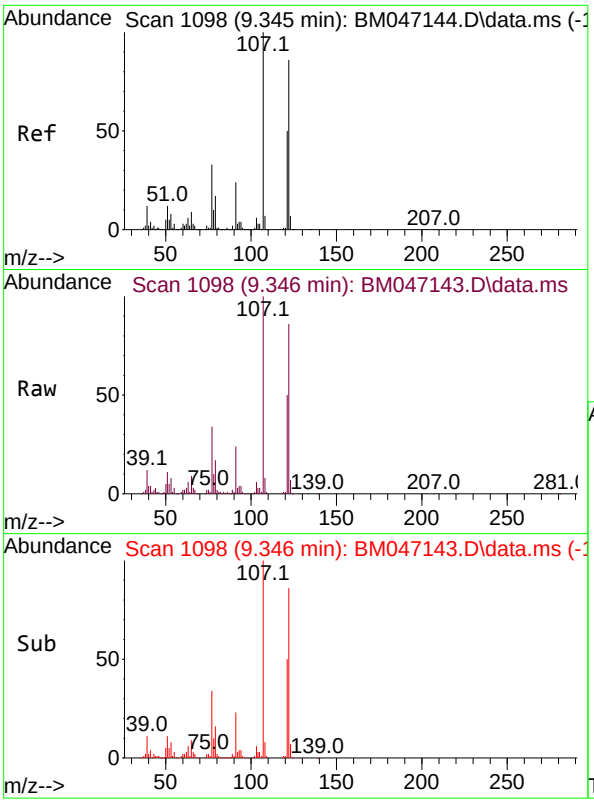


#26
2-Nitrophenol
Concen: 20.351 ng
RT: 9.263 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



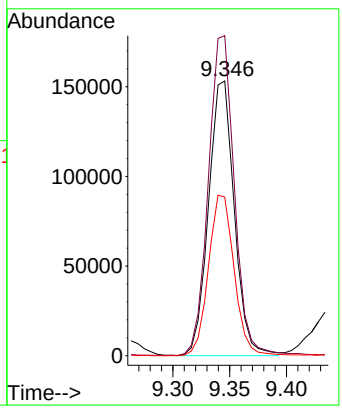


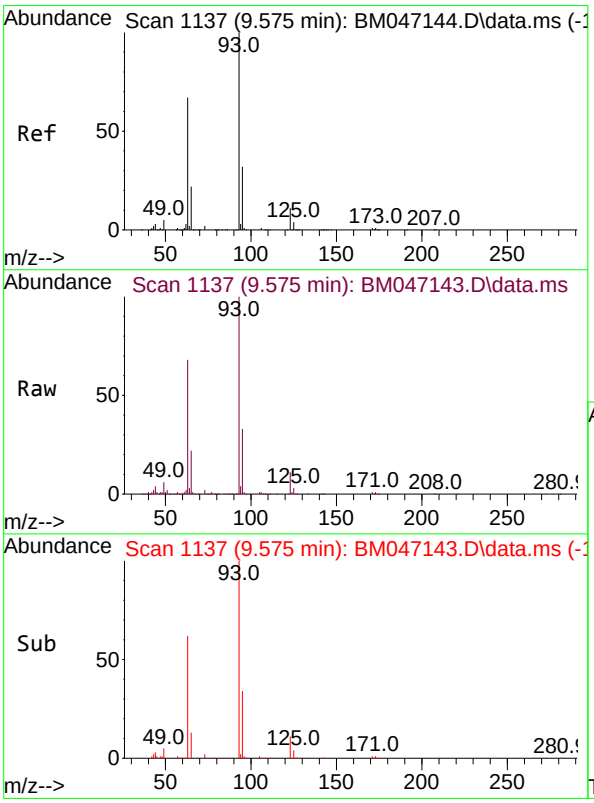
#27
2,4-Dimethylphenol
Concen: 20.924 ng
RT: 9.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

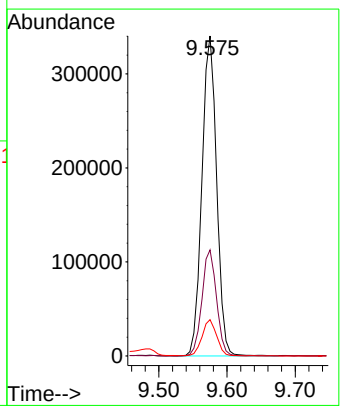


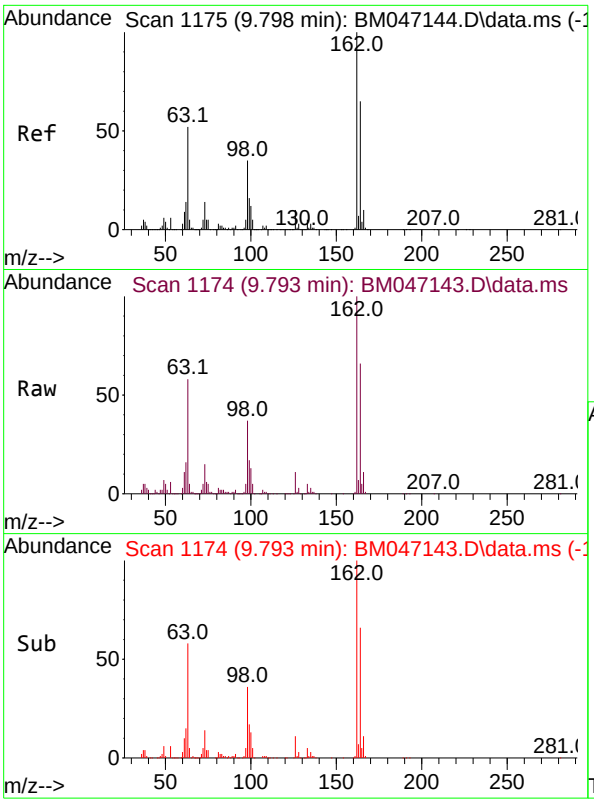


#28
bis(2-Chloroethoxy)methane
Concen: 21.069 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



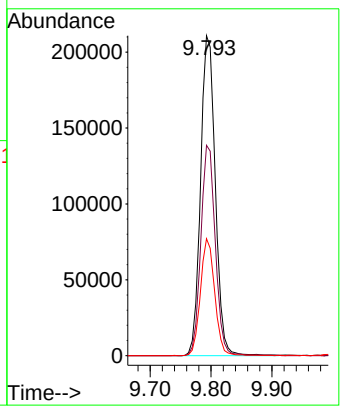


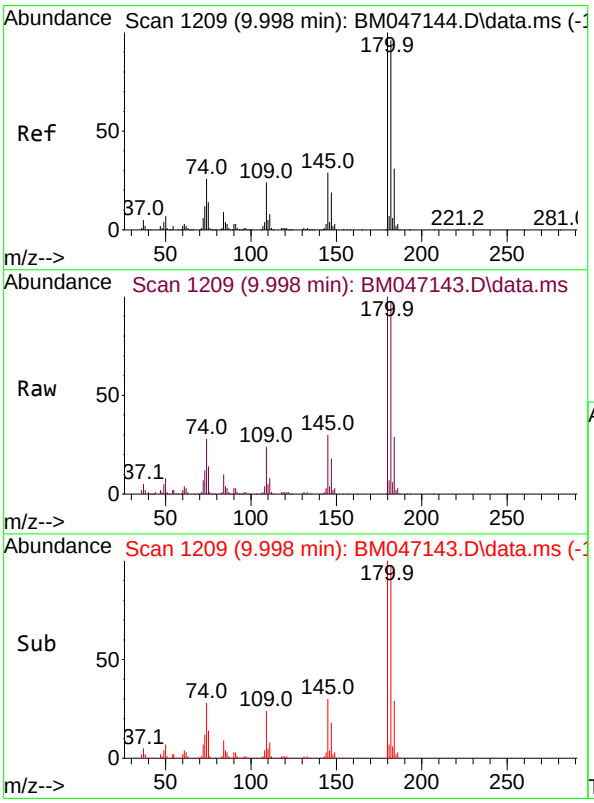
#29
2,4-Dichlorophenol
Concen: 20.667 ng
RT: 9.793 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

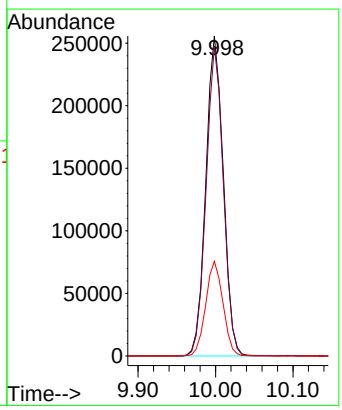


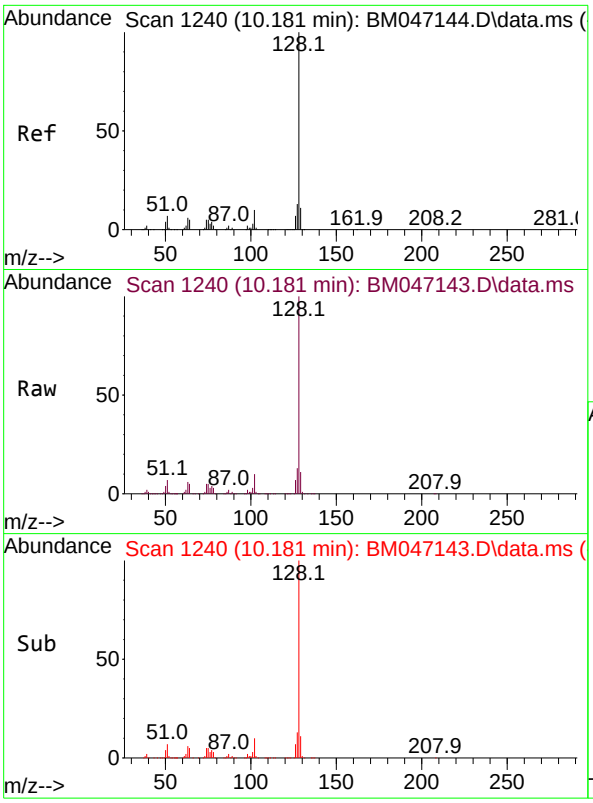


#30
1,2,4-Trichlorobenzene
Concen: 20.598 ng
RT: 9.998 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



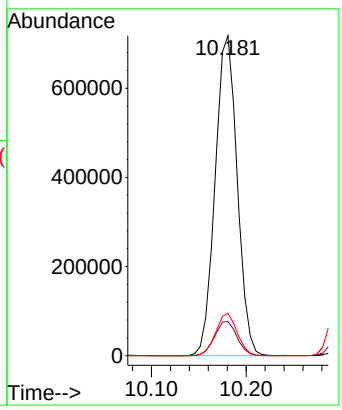


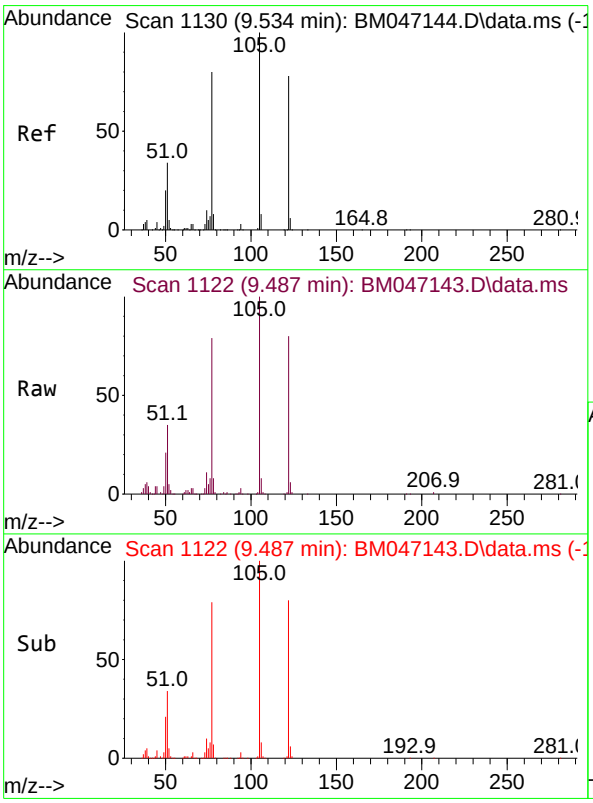
#31
Naphthalene
Concen: 20.911 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

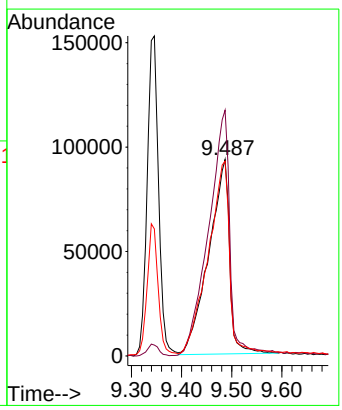


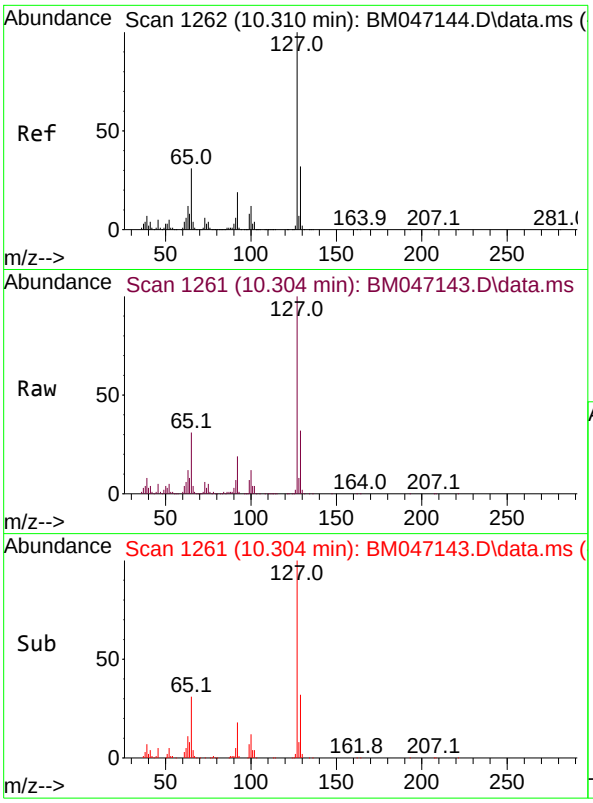


#32
Benzoic acid
Concen: 19.806 ng
RT: 9.487 min Scan# 1122
Delta R.T. -0.047 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



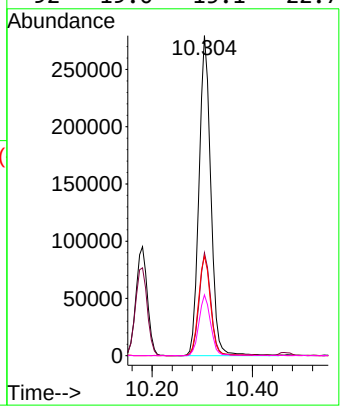


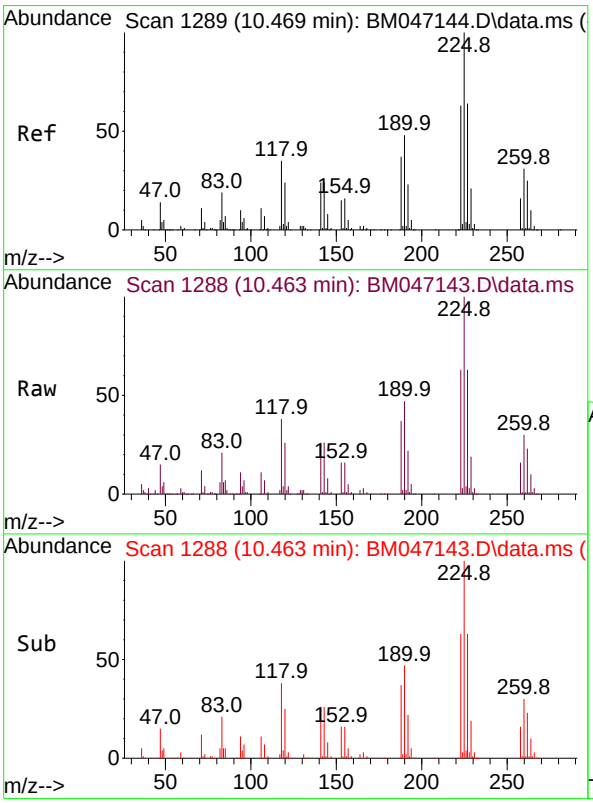
#33
4-Chloroaniline
Concen: 21.333 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

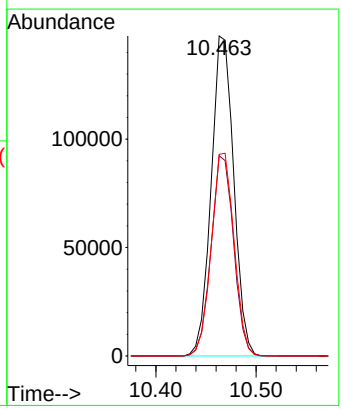


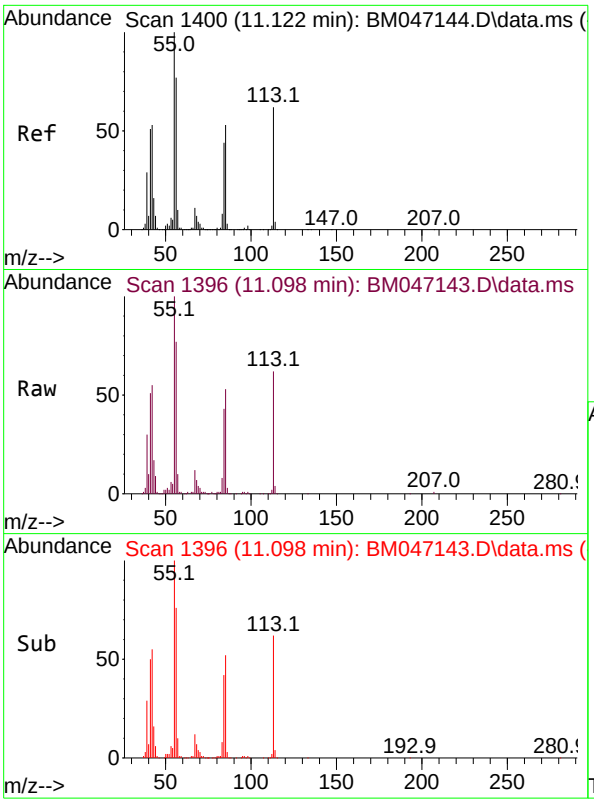


#34
Hexachlorobutadiene
Concen: 20.262 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



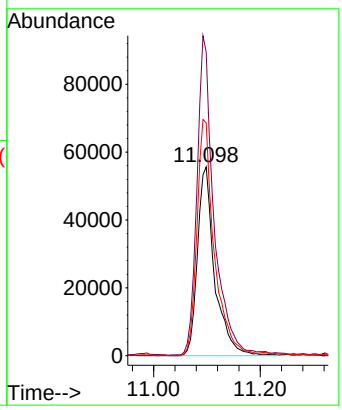


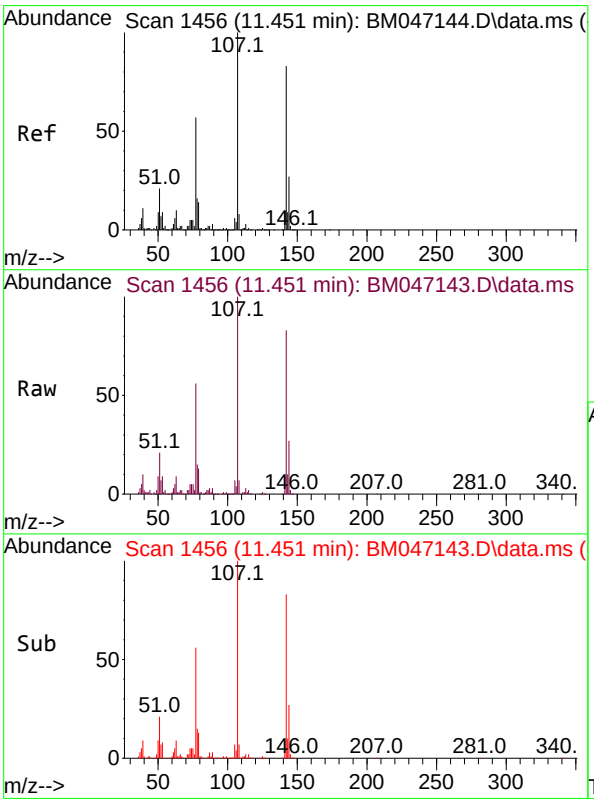
#35
Caprolactam
Concen: 20.923 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

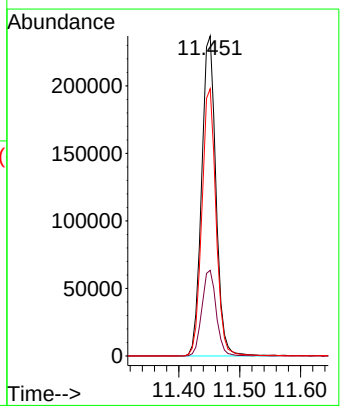


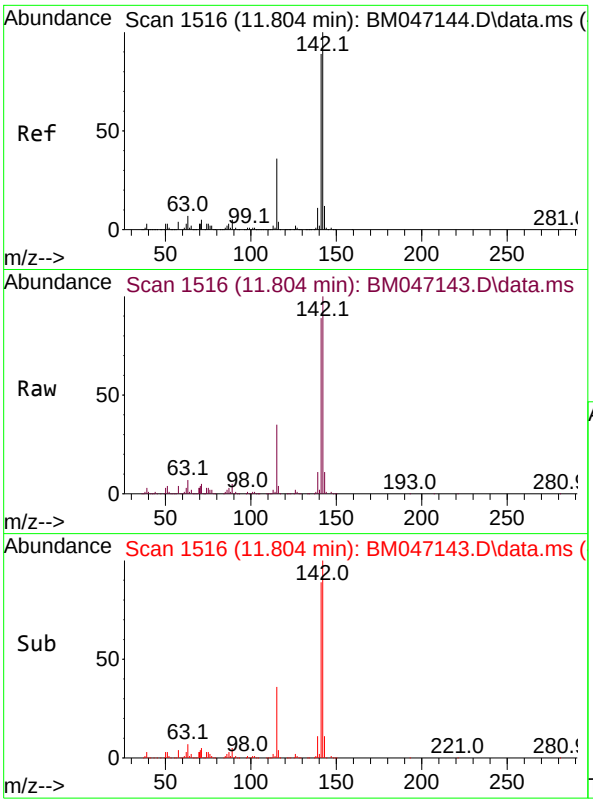


#36
4-Chloro-3-methylphenol
Concen: 21.148 ng
RT: 11.451 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



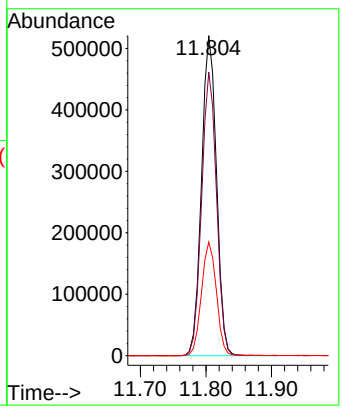


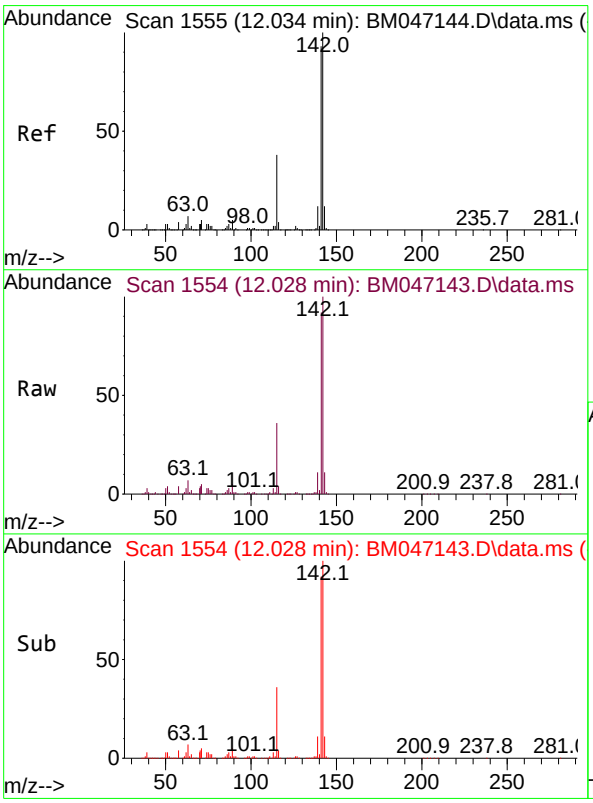
#37
2-Methylnaphthalene
Concen: 20.927 ng
RT: 11.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

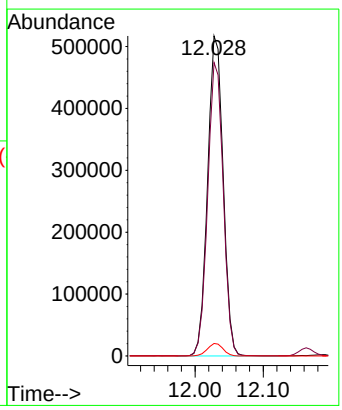


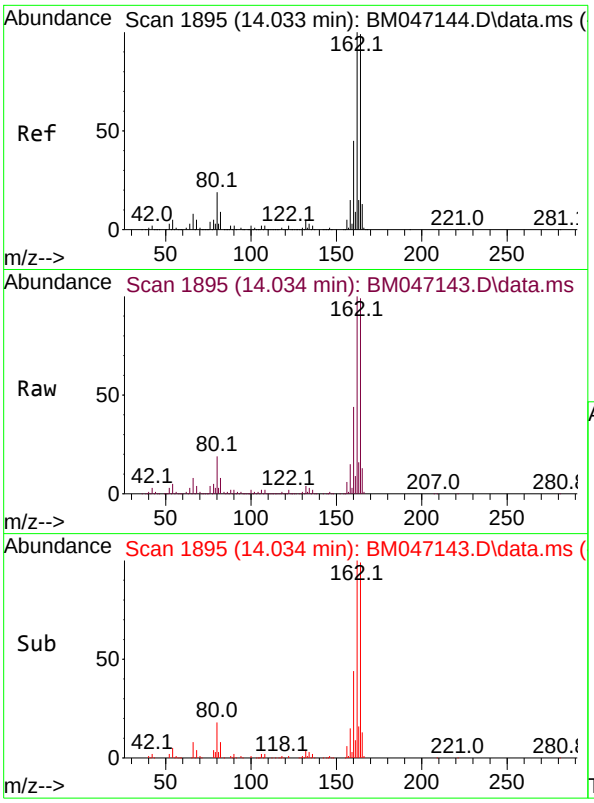


#38
1-Methylnaphthalene
Concen: 20.963 ng
RT: 12.028 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



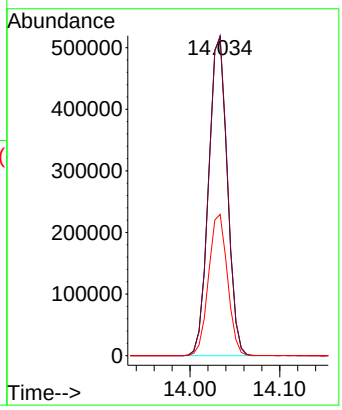


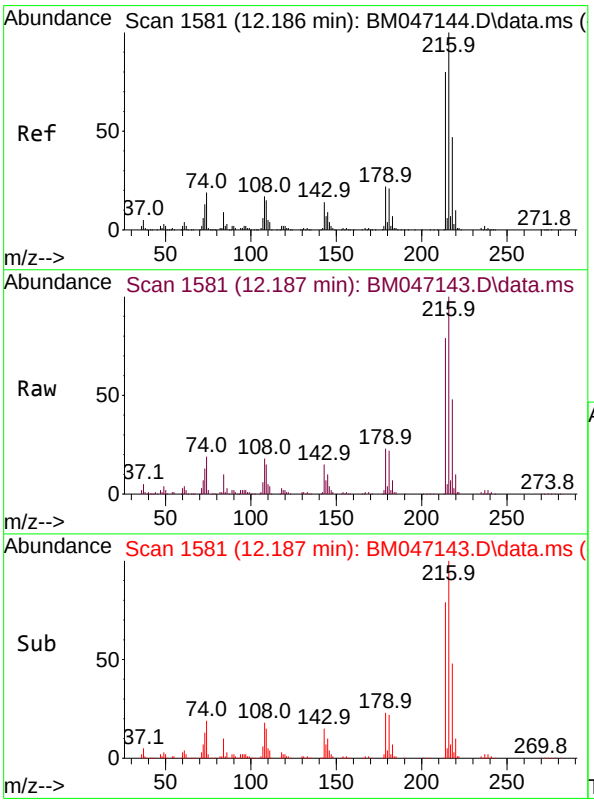
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

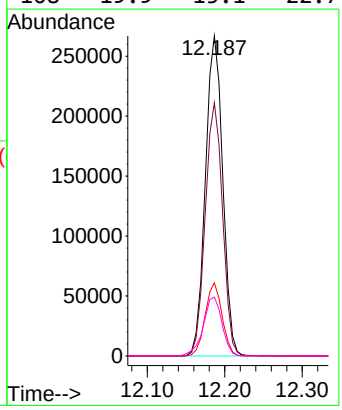


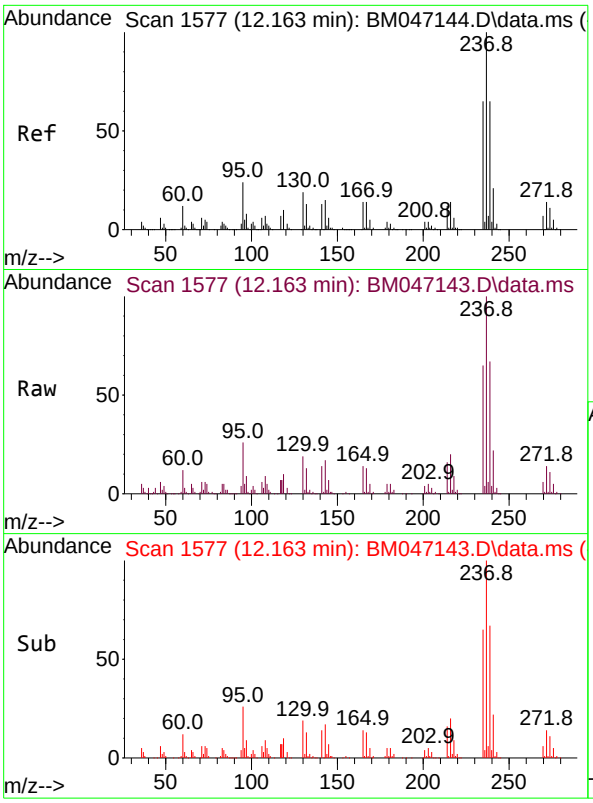


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.313 ng
RT: 12.187 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



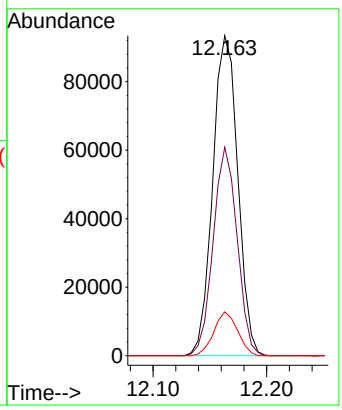


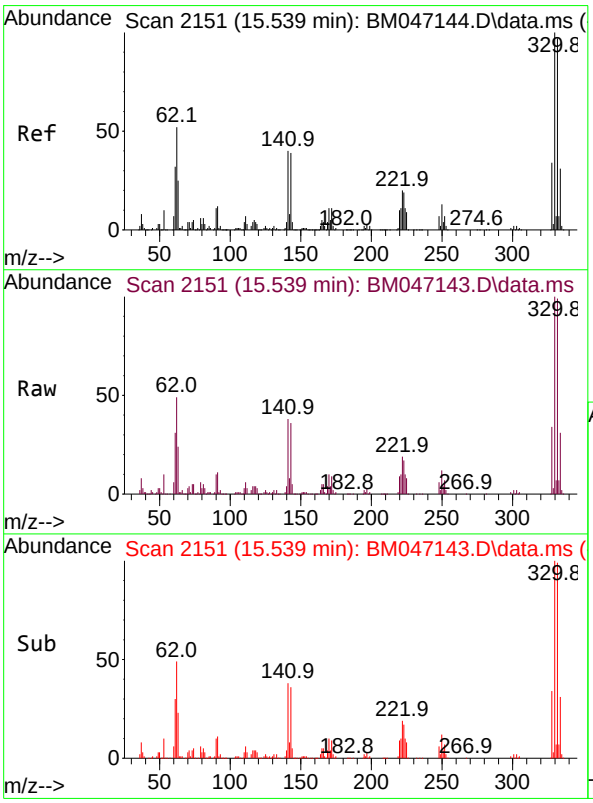
#41
Hexachlorocyclopentadiene
Concen: 20.066 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

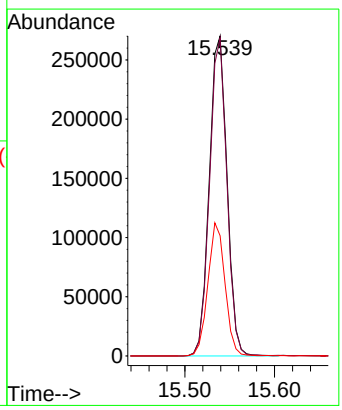


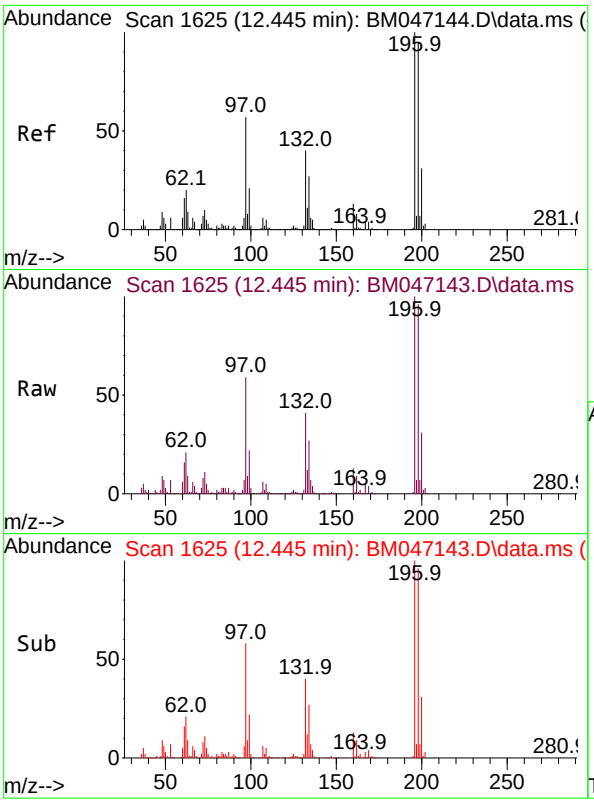


#42
2,4,6-Tribromophenol
Concen: 42.851 ng
RT: 15.539 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



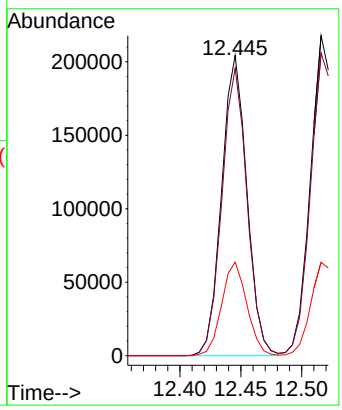


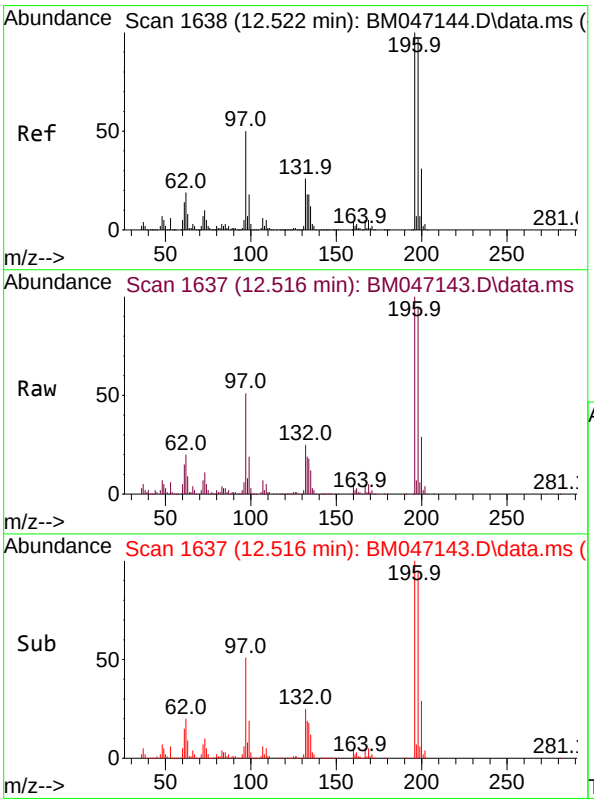
#43
2,4,6-Trichlorophenol
Concen: 20.309 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

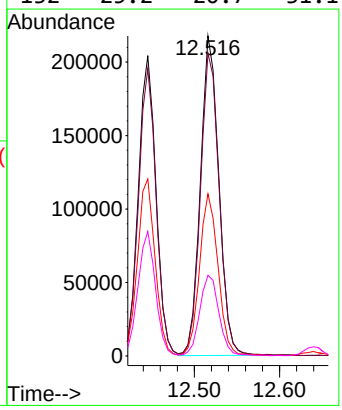


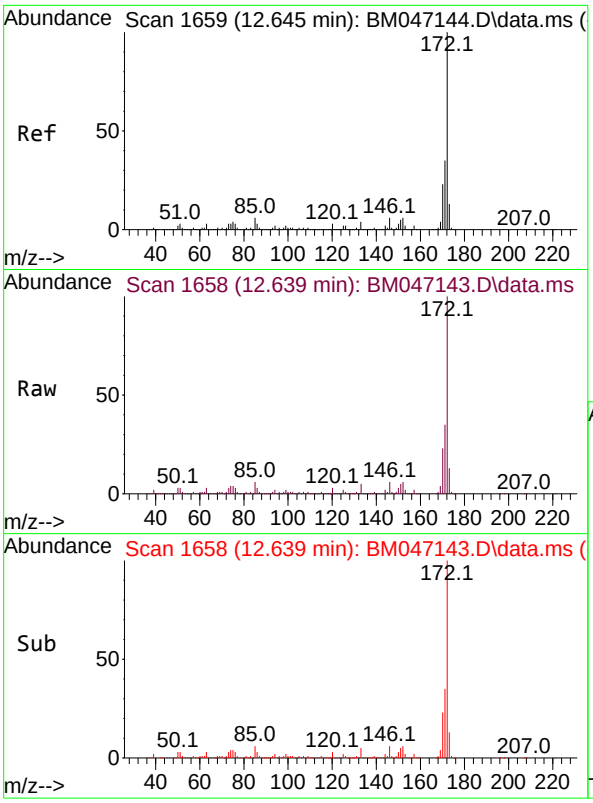


#44
2,4,5-Trichlorophenol
Concen: 20.371 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



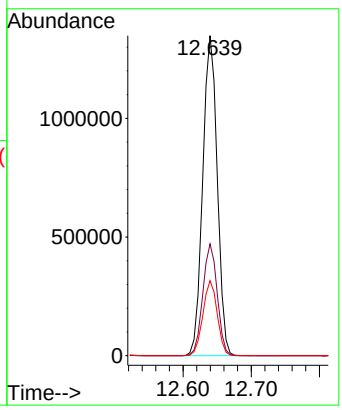


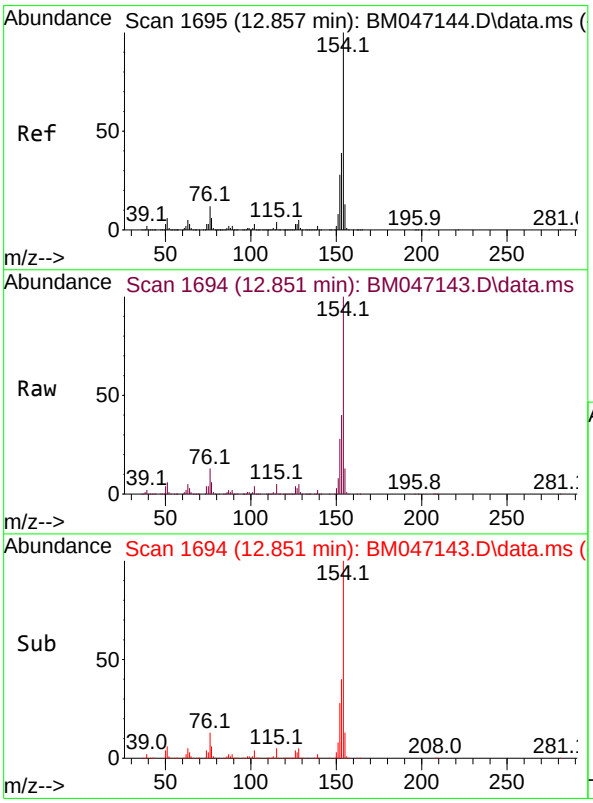
#45
2-Fluorobiphenyl
Concen: 41.204 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

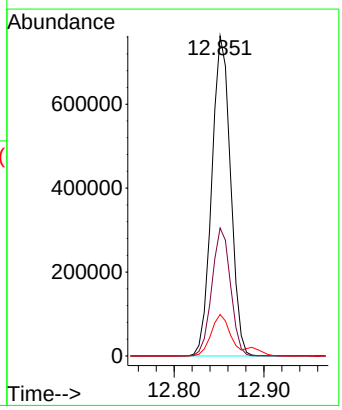


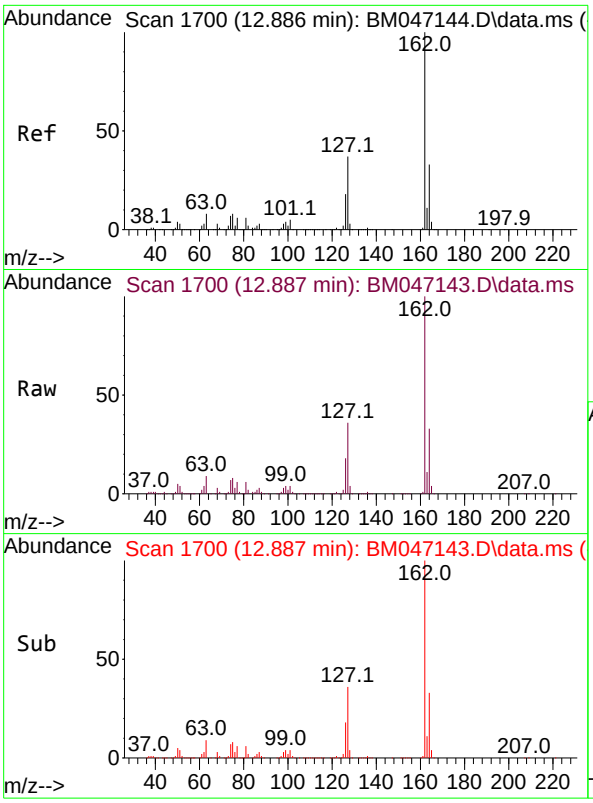


#46
1,1'-Biphenyl
Concen: 20.776 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



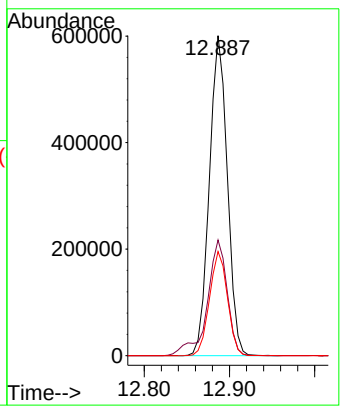


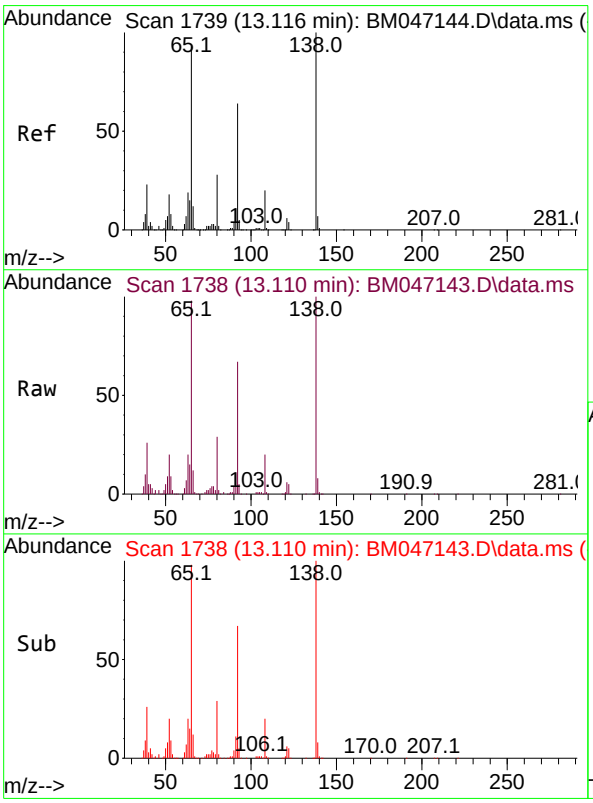
#47
2-Chloronaphthalene
Concen: 21.142 ng
RT: 12.887 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

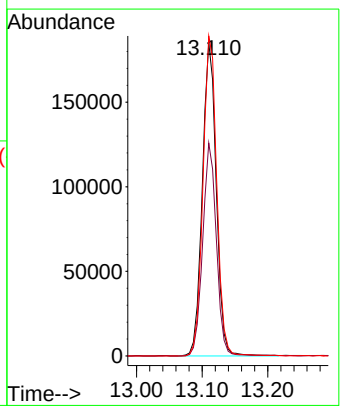


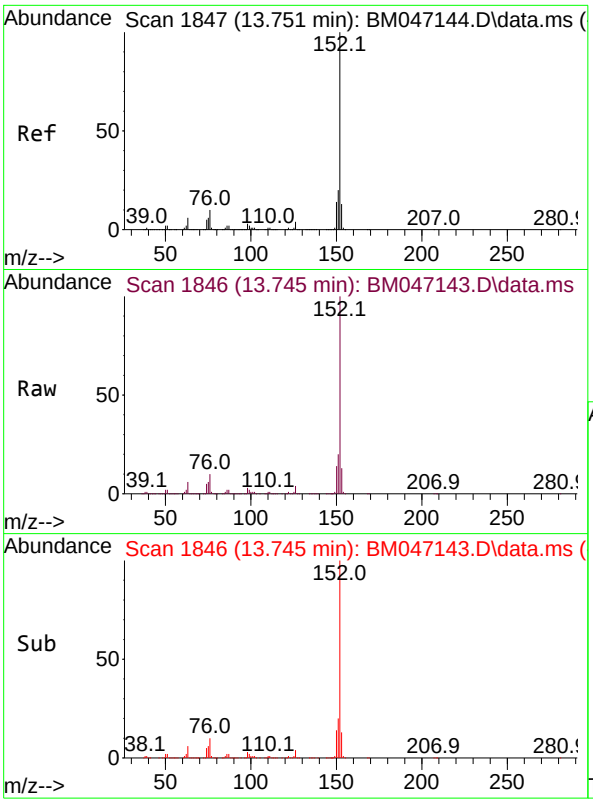


#48
2-Nitroaniline
Concen: 21.044 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



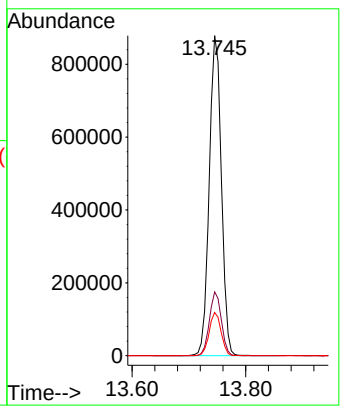


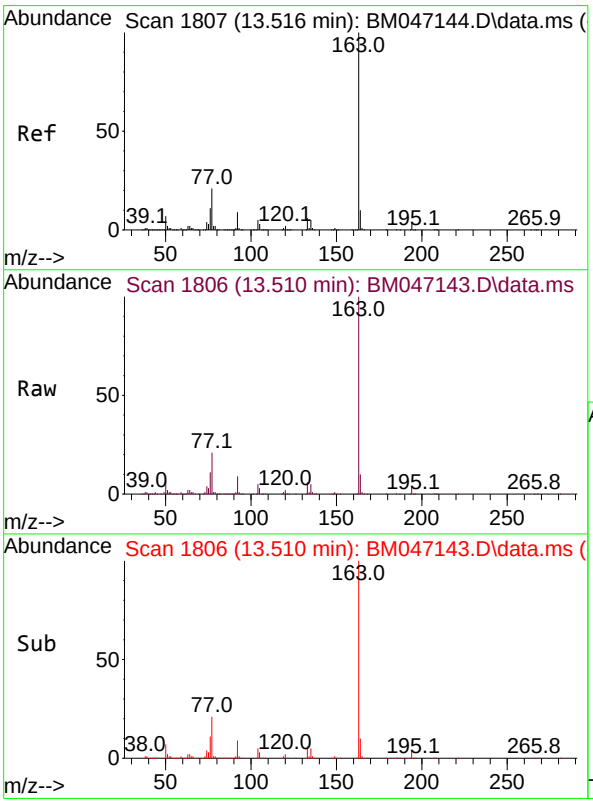
#49
Acenaphthylene
Concen: 21.117 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

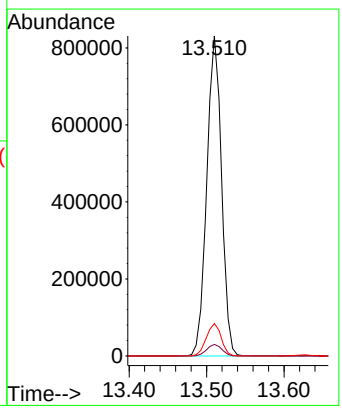


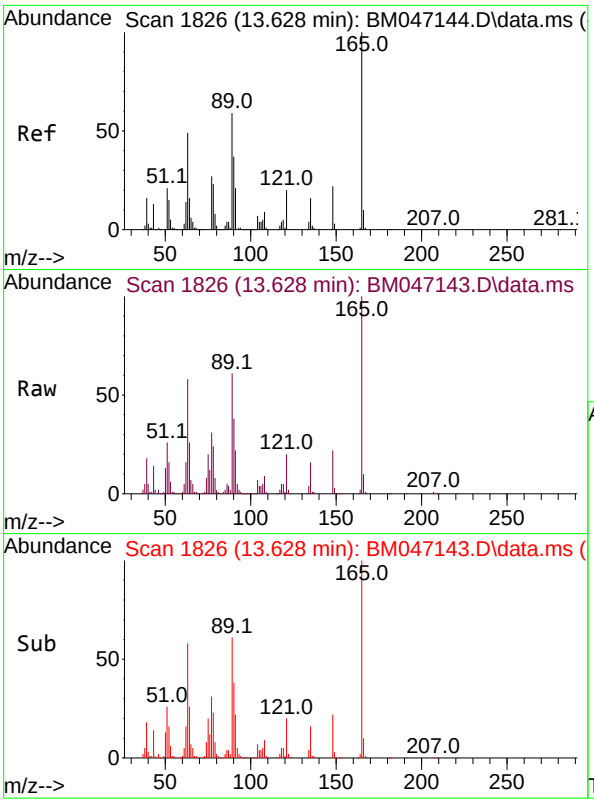


#50
Dimethylphthalate
Concen: 21.023 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



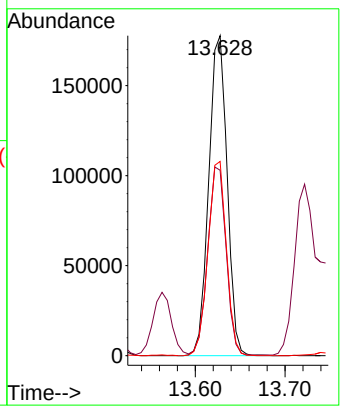


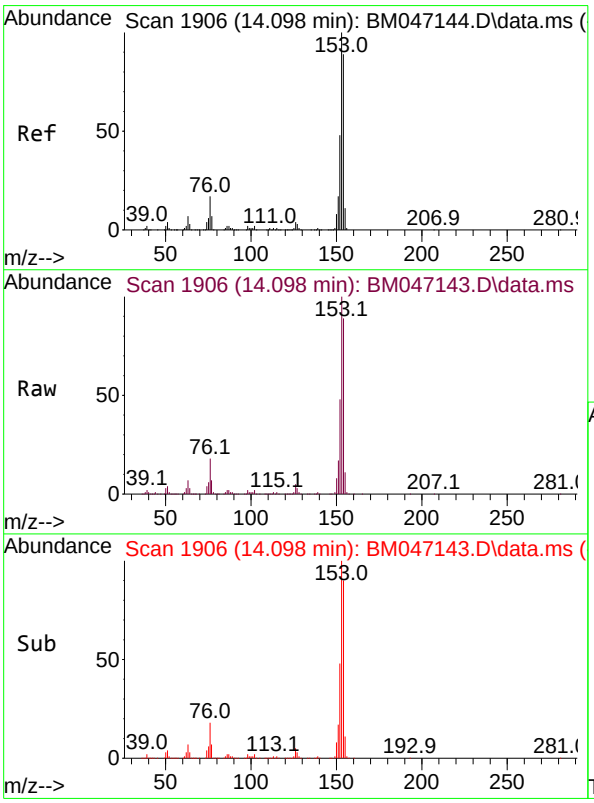
#51
2,6-Dinitrotoluene
Concen: 20.662 ng
RT: 13.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

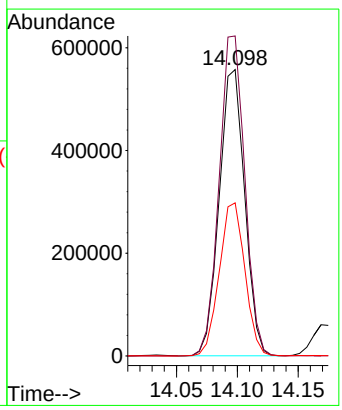


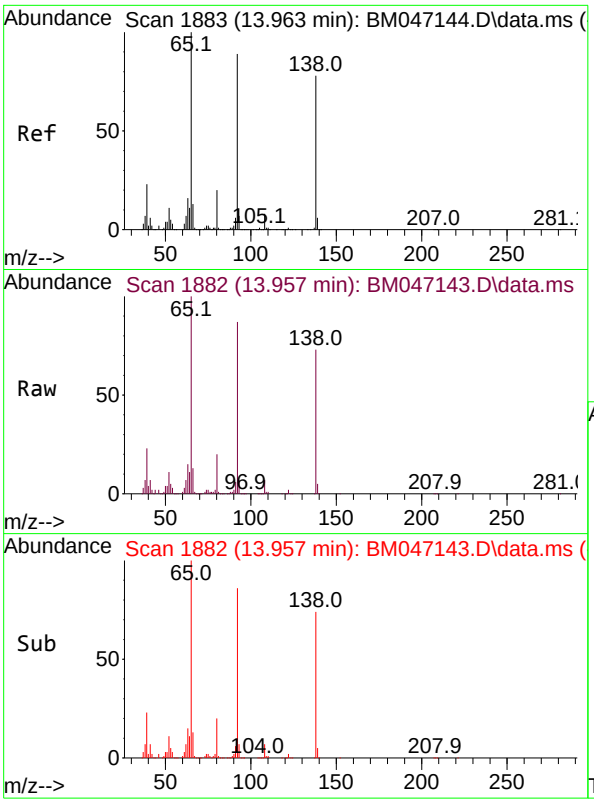


#52
Acenaphthene
Concen: 20.882 ng
RT: 14.098 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



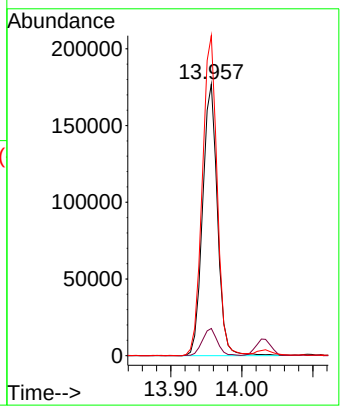


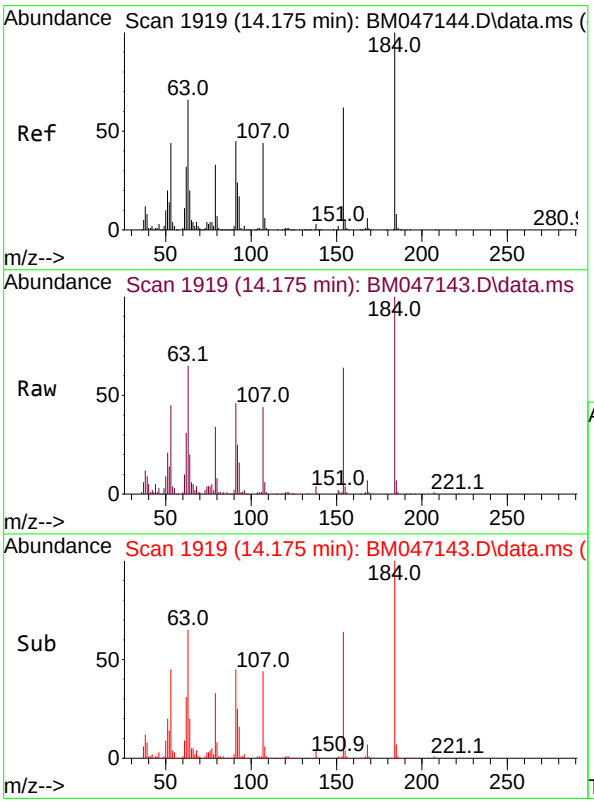
#53
3-Nitroaniline
Concen: 21.012 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

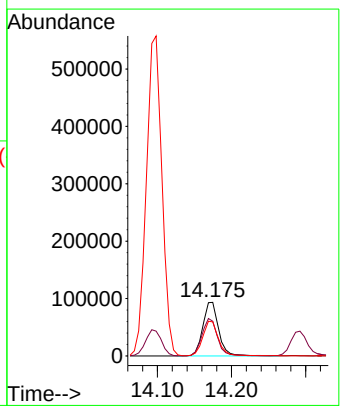


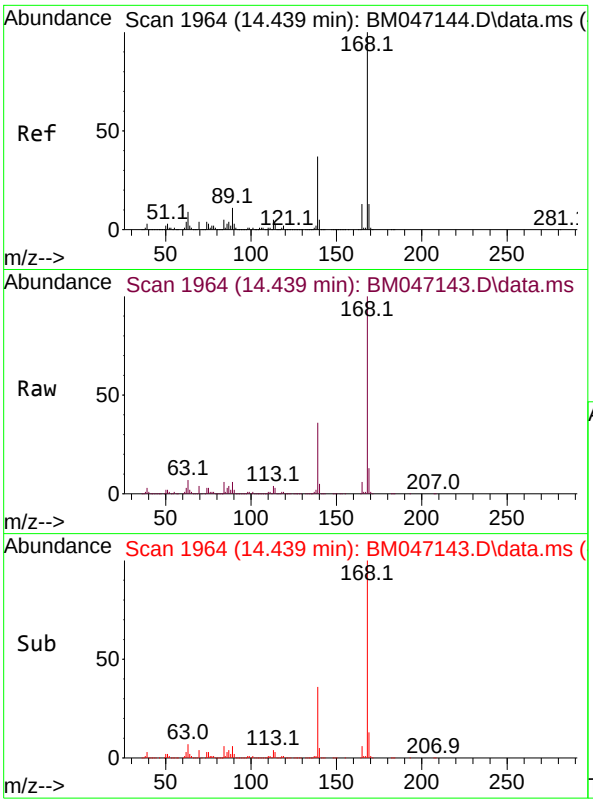


#54
2,4-Dinitrophenol
Concen: 18.886 ng
RT: 14.175 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



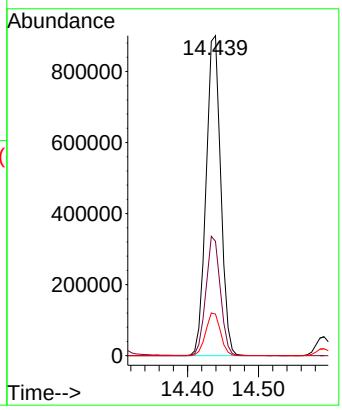


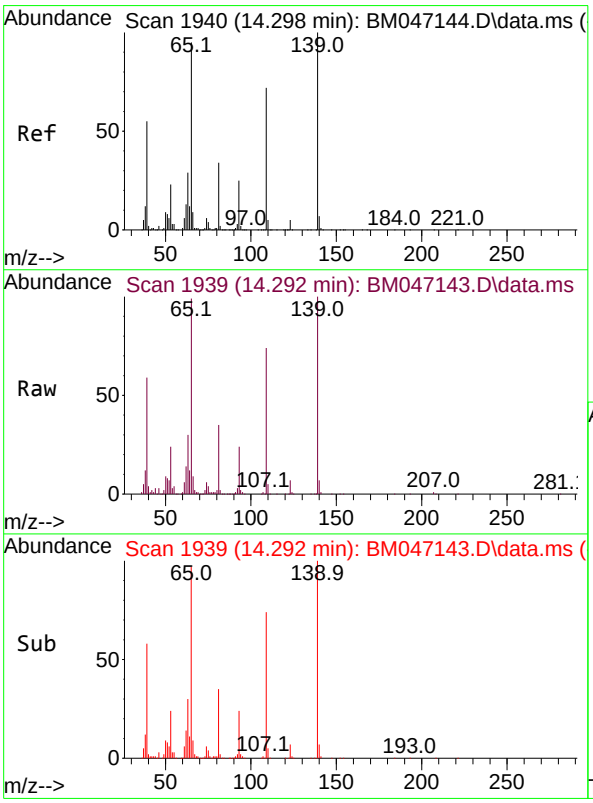
#55
Dibenzofuran
Concen: 21.028 ng
RT: 14.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

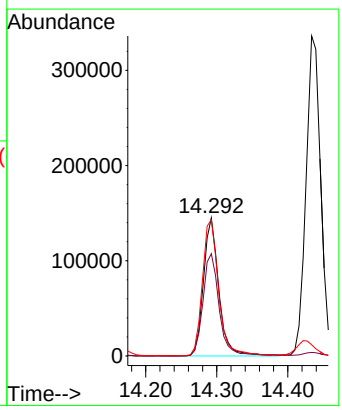


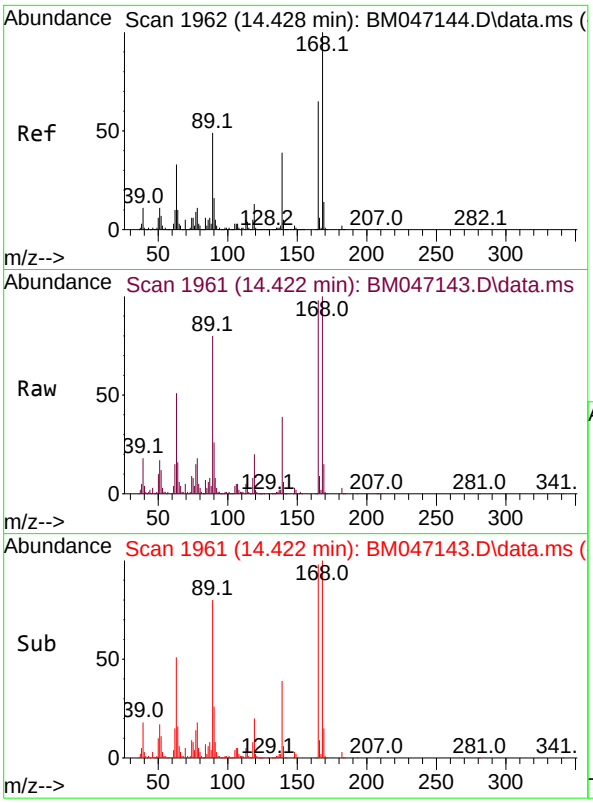


#56
4-Nitrophenol
Concen: 20.755 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



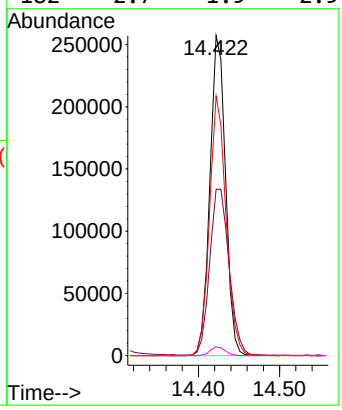


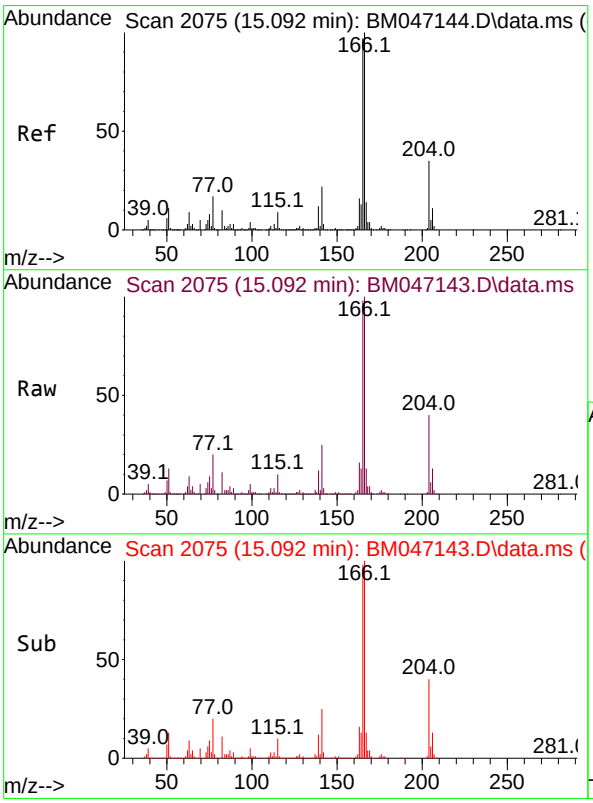
#57
2,4-Dinitrotoluene
Concen: 21.094 ng
RT: 14.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

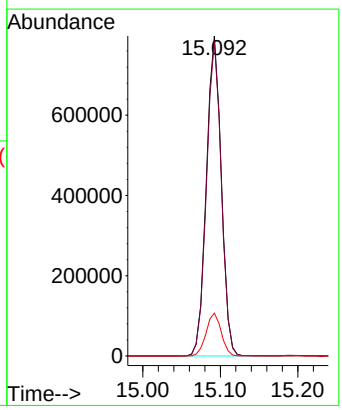


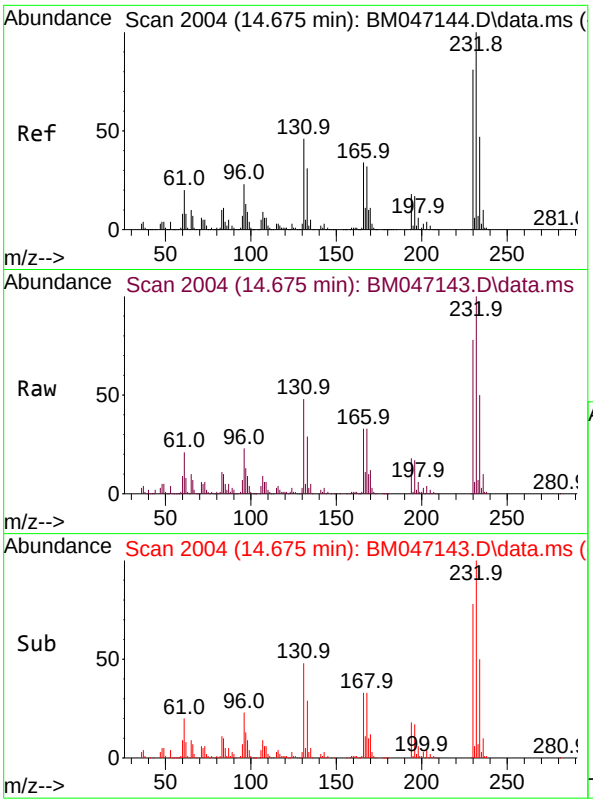


#58
Fluorene
Concen: 21.024 ng
RT: 15.092 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



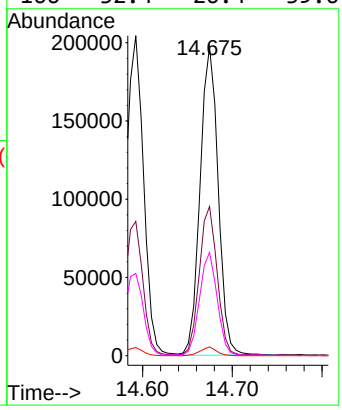


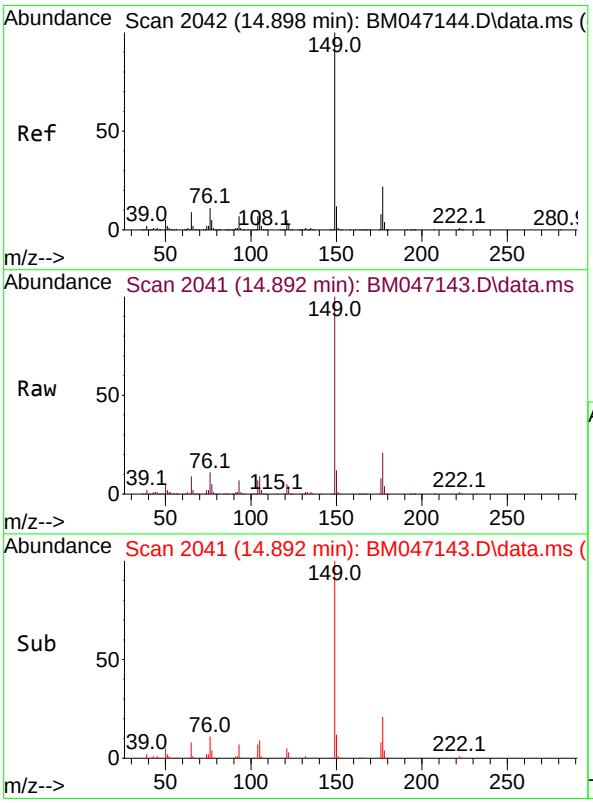
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.846 ng
RT: 14.675 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

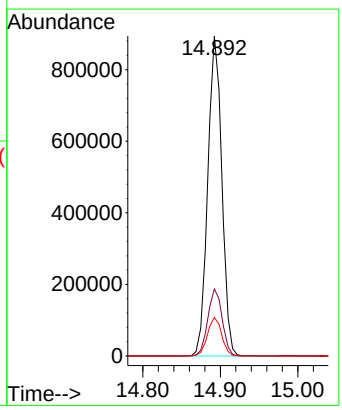


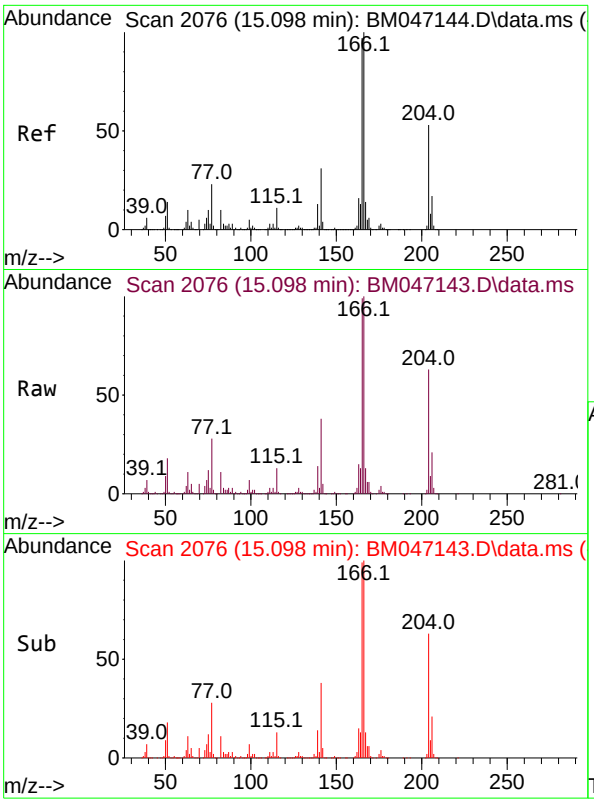


#60
Diethylphthalate
Concen: 21.113 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



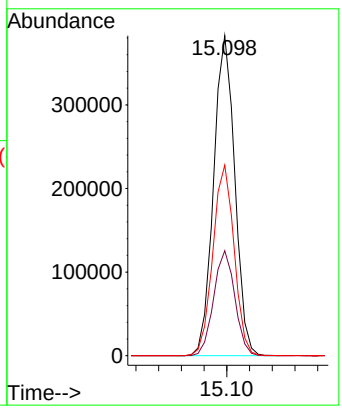


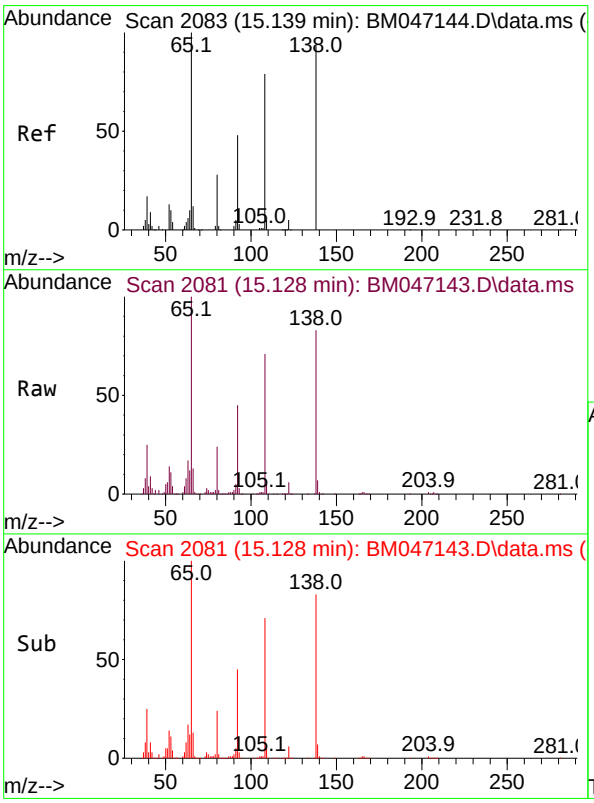
#61
4-Chlorophenyl-phenylether
Concen: 20.551 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

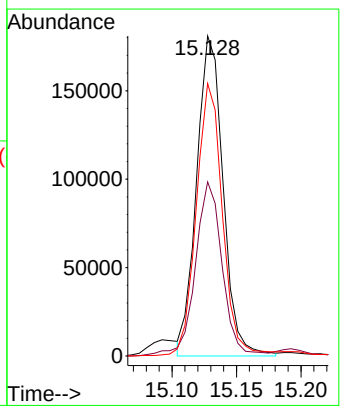


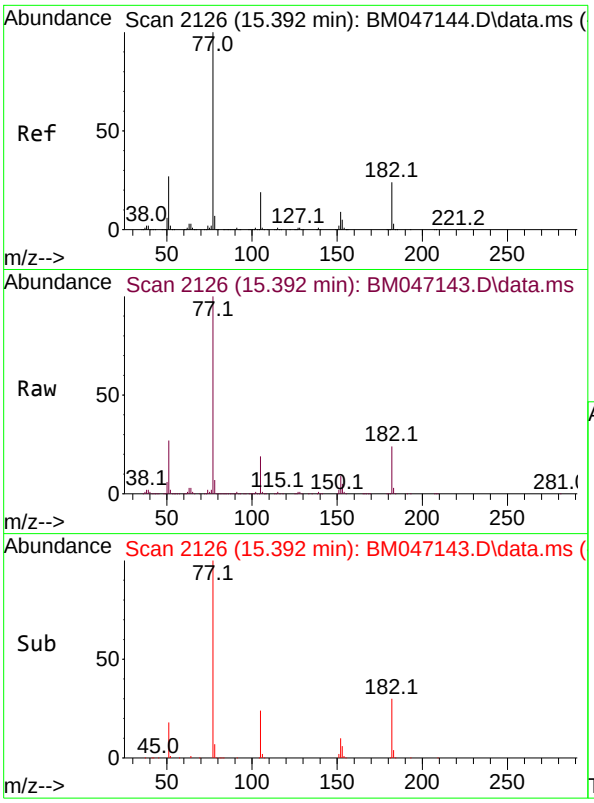


#62
4-Nitroaniline
Concen: 21.445 ng m
RT: 15.128 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



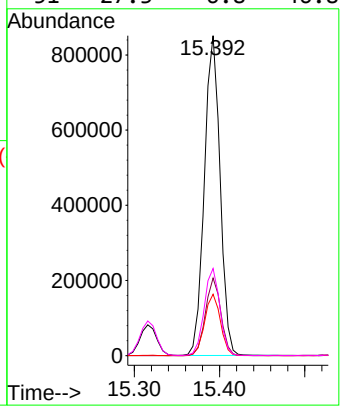


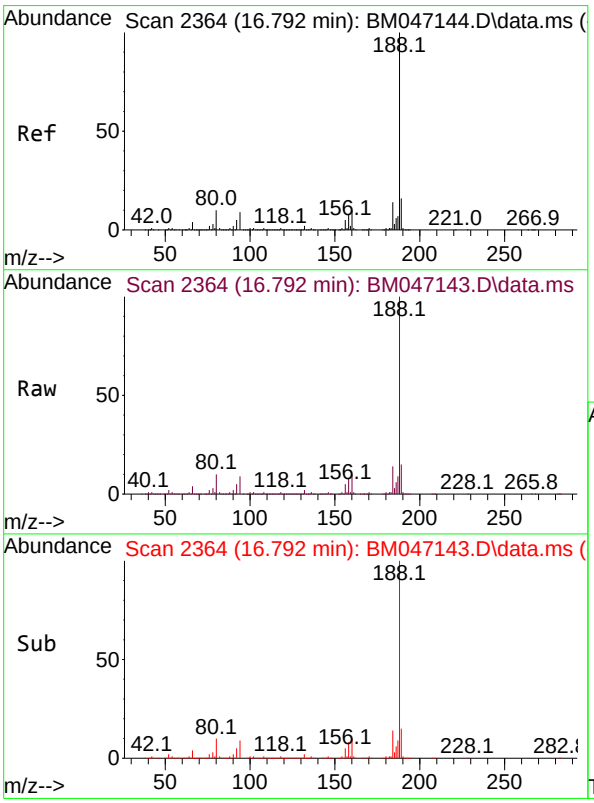
#63
Azobenzene
Concen: 21.550 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

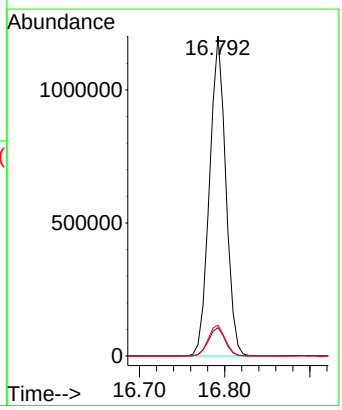


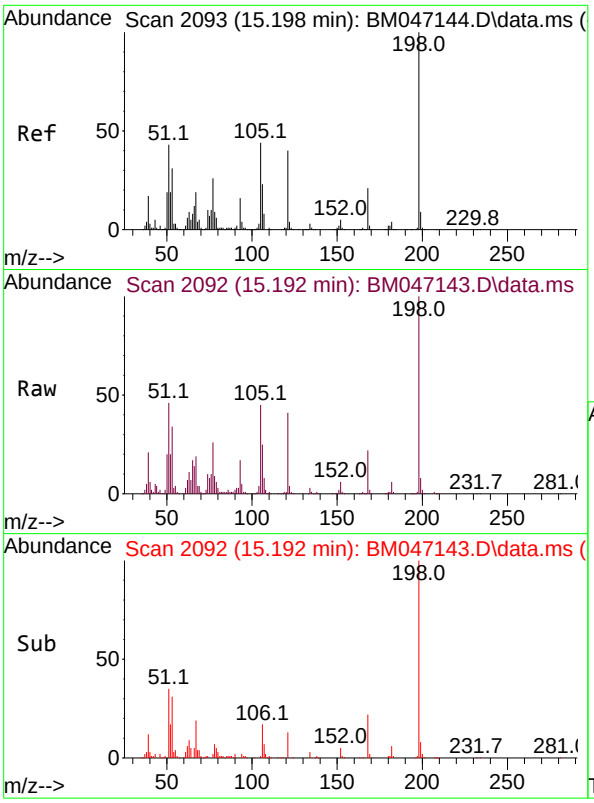


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



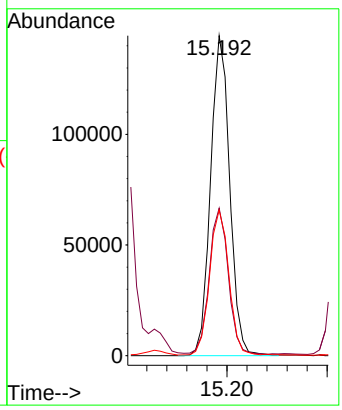


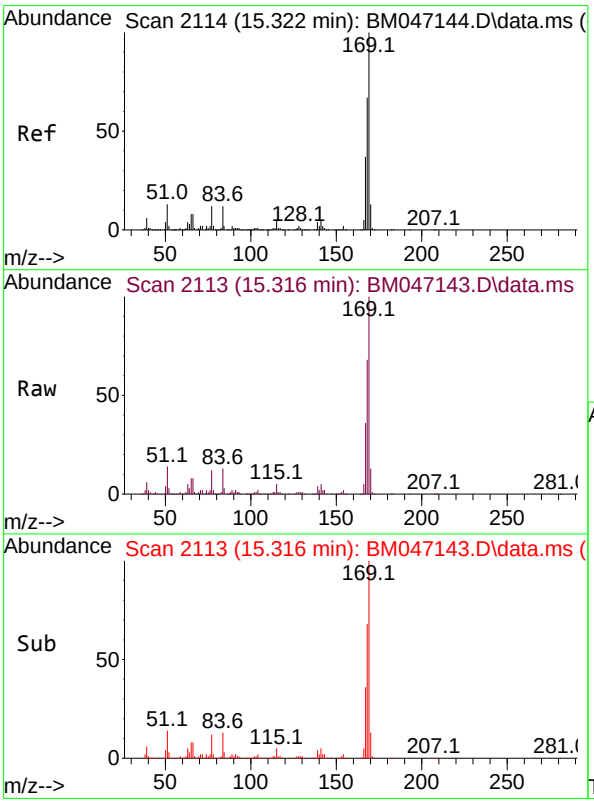
#65
4,6-Dinitro-2-methylphenol
Concen: 20.511 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

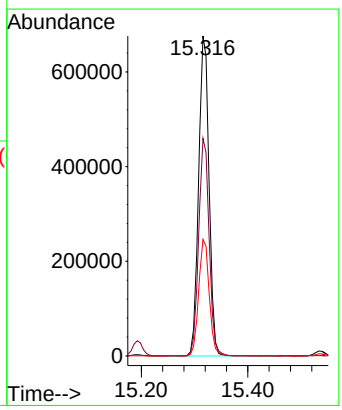


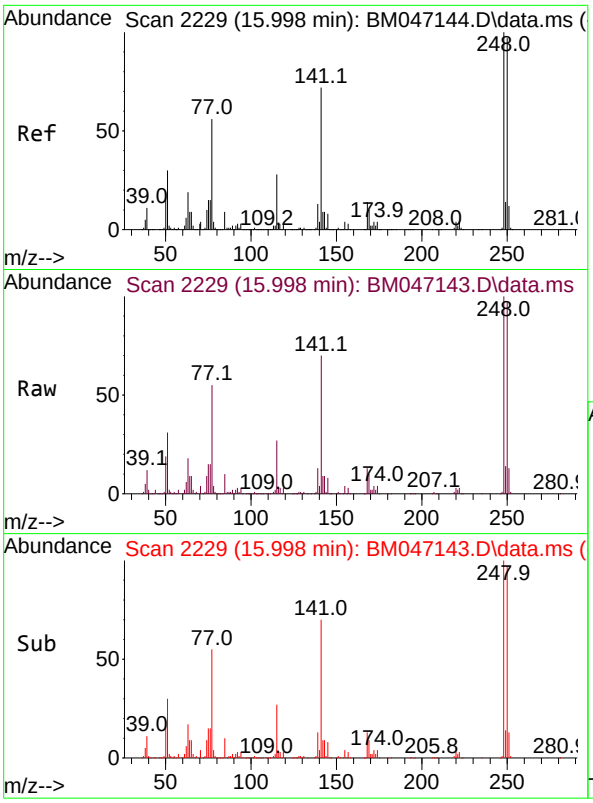


#66
n-Nitrosodiphenylamine
Concen: 21.049 ng
RT: 15.316 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



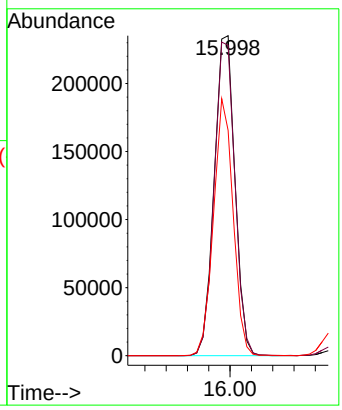


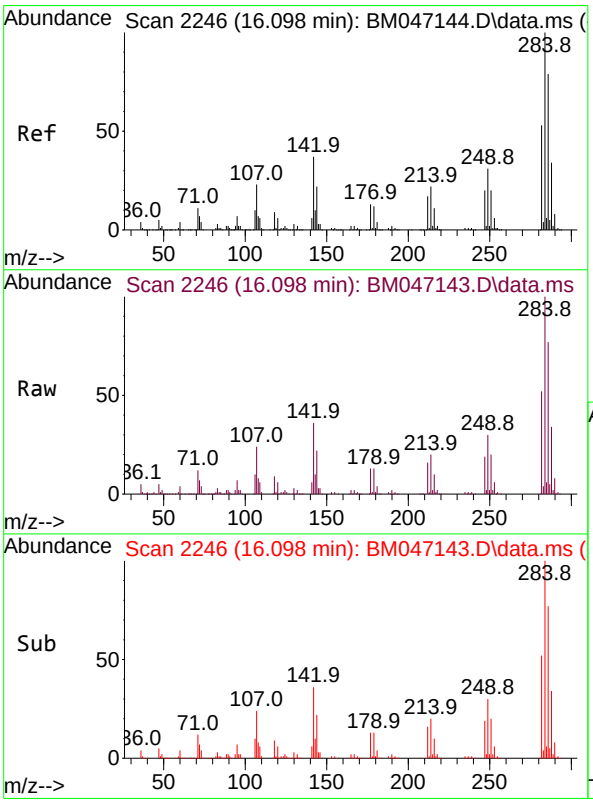
#67
4-Bromophenyl-phenylether
Concen: 20.583 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

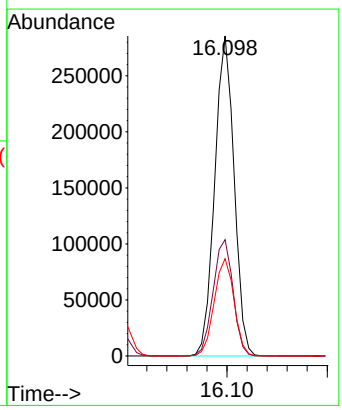


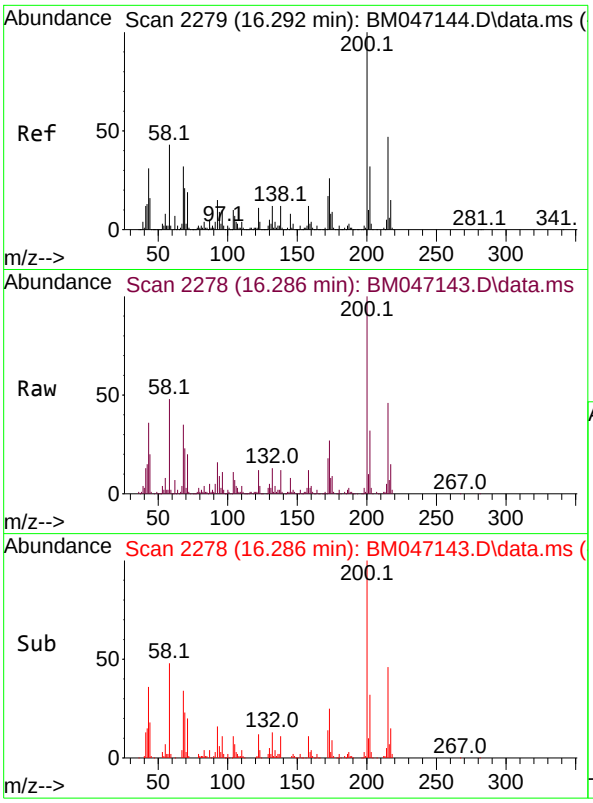


#68
Hexachlorobenzene
Concen: 20.765 ng
RT: 16.098 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



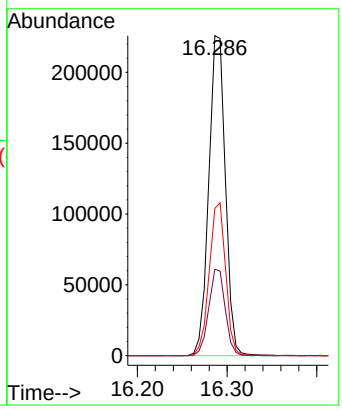


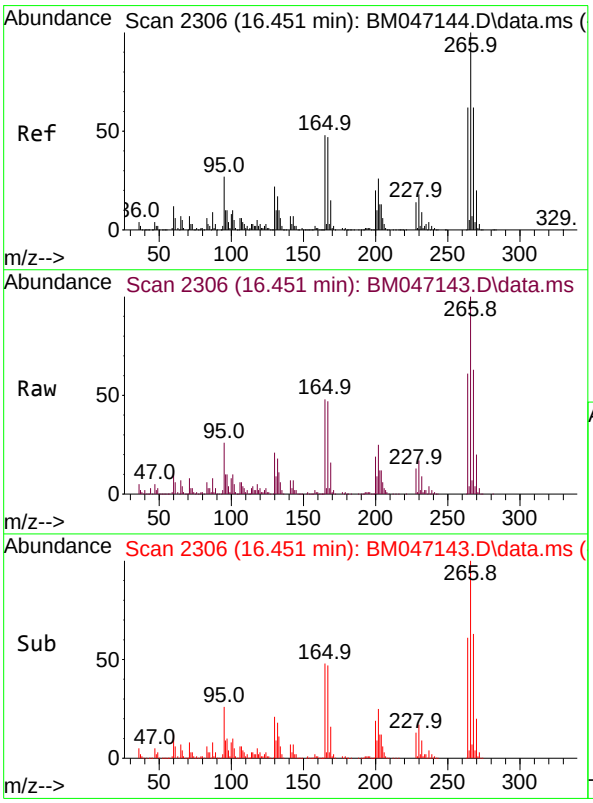
#69
Atrazine
Concen: 22.231 ng
RT: 16.286 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

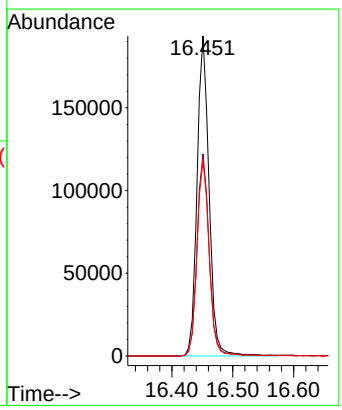


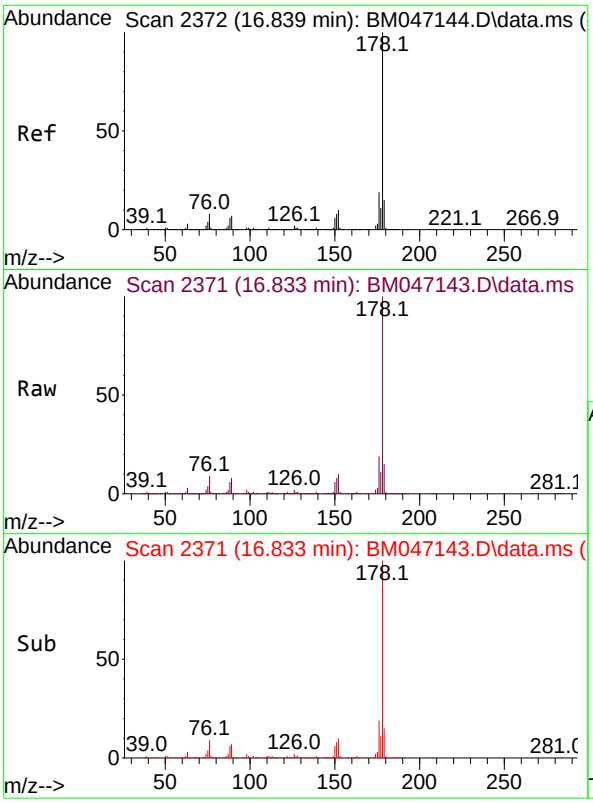


#70
Pentachlorophenol
Concen: 20.430 ng
RT: 16.451 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



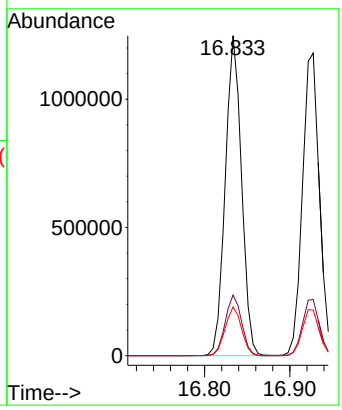


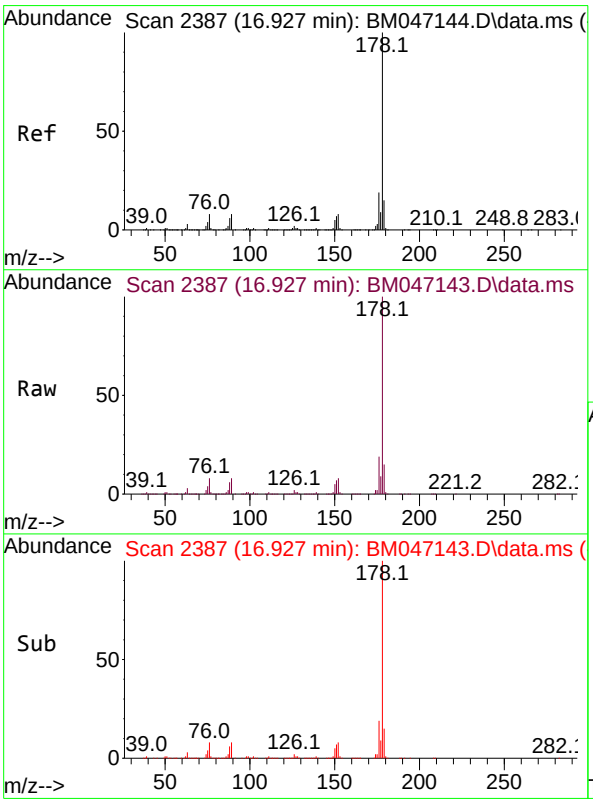
#71
Phenanthrene
Concen: 20.634 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

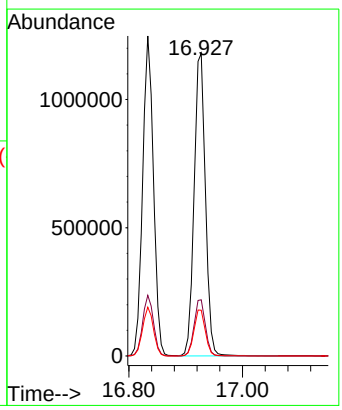


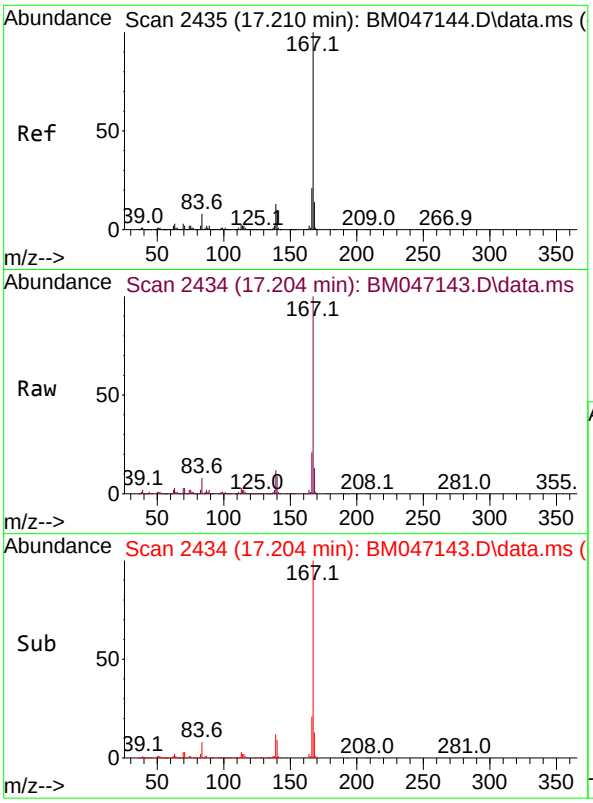


#72
Anthracene
Concen: 21.021 ng
RT: 16.927 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



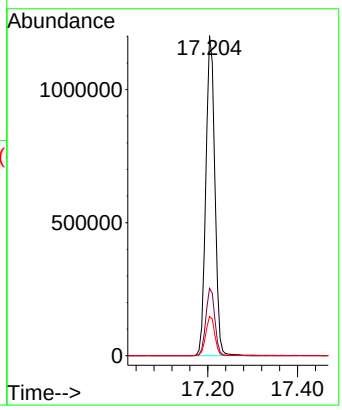


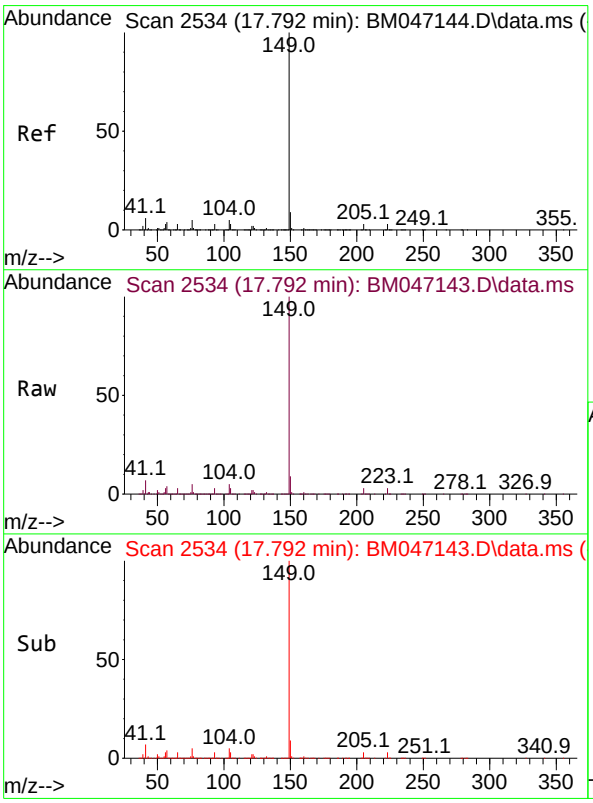
#73
Carbazole
Concen: 21.094 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

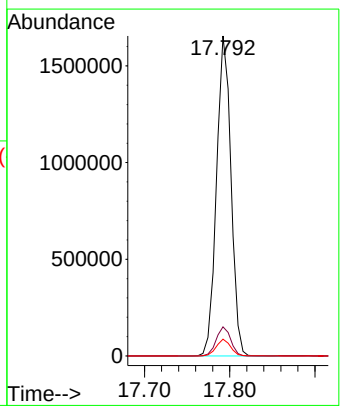


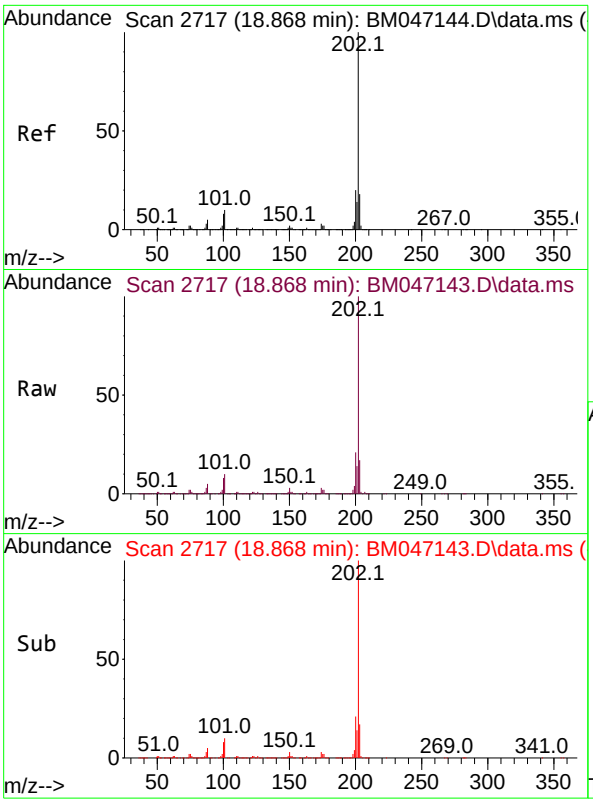


#74
Di-n-butylphthalate
Concen: 21.077 ng
RT: 17.792 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



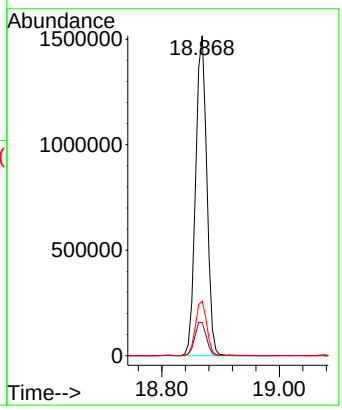


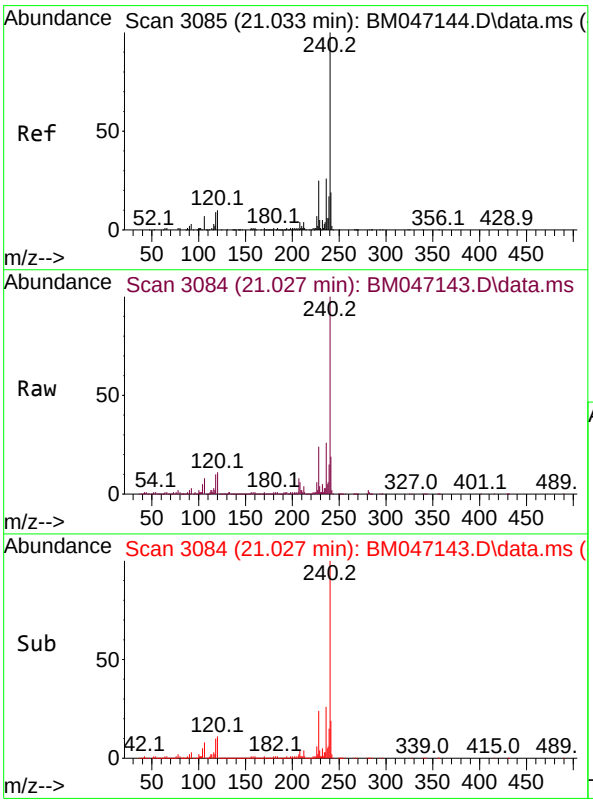
#75
Fluoranthene
Concen: 20.558 ng
RT: 18.868 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

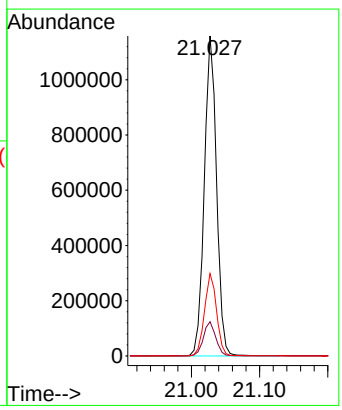


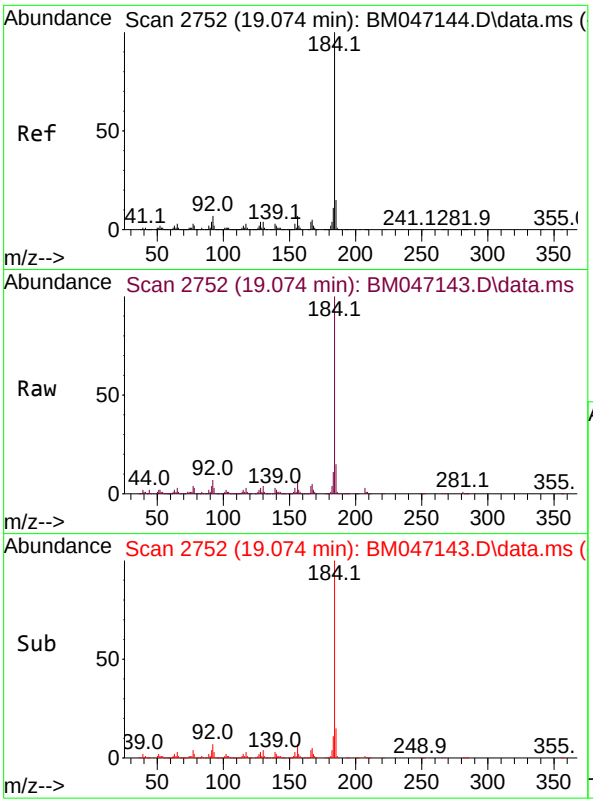


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



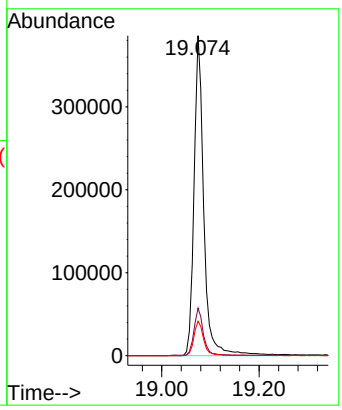


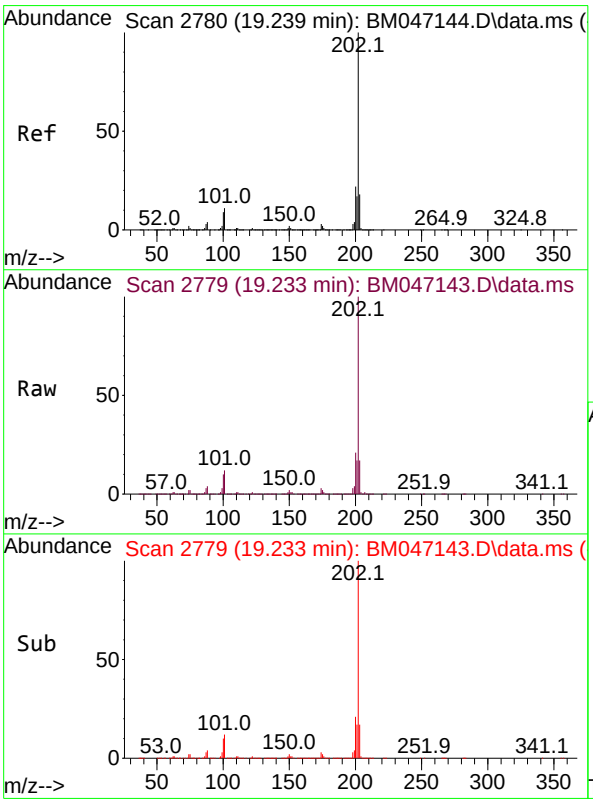
#77
Benzidine
Concen: 22.019 ng
RT: 19.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

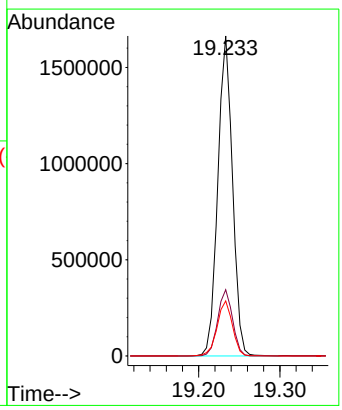


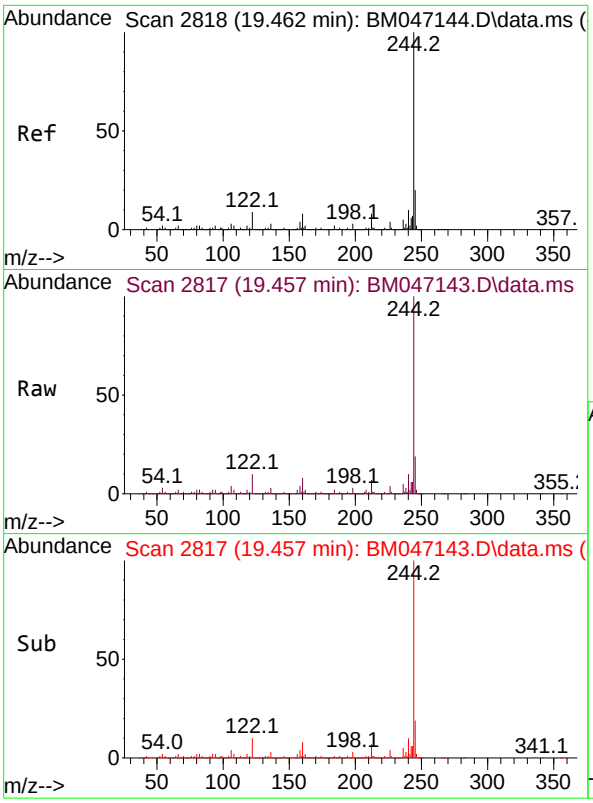


#78
Pyrene
Concen: 20.215 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



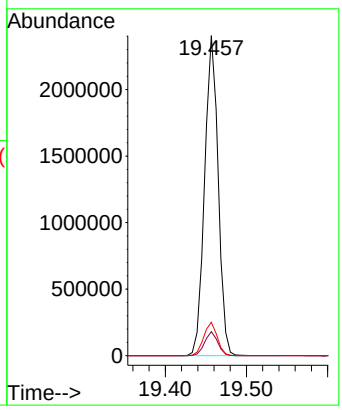


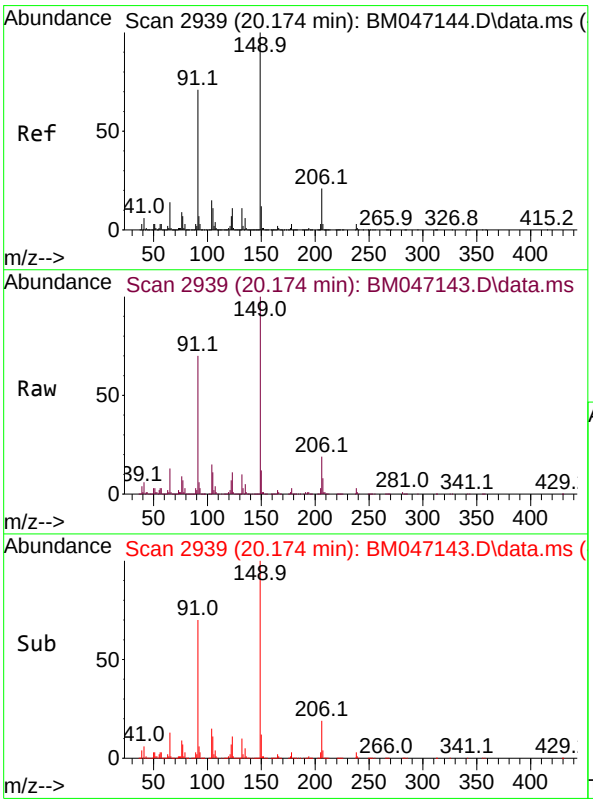
#79
Terphenyl-d14
Concen: 41.052 ng
RT: 19.457 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

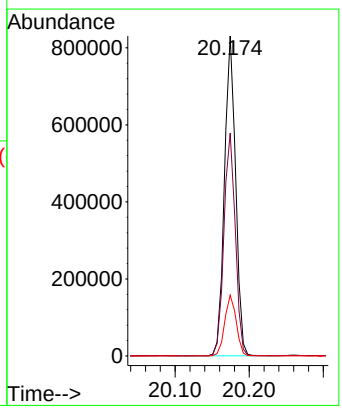


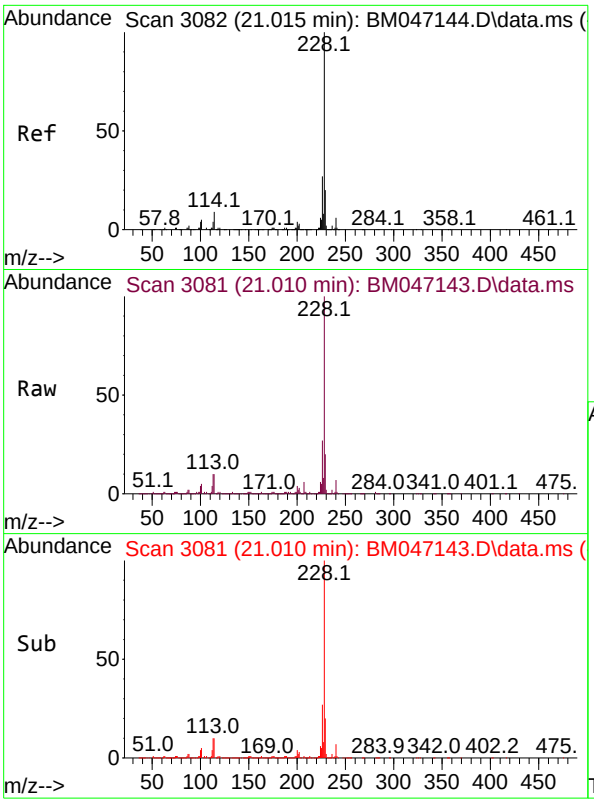


#80
Butylbenzylphthalate
Concen: 20.580 ng
RT: 20.174 min Scan# 2939
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



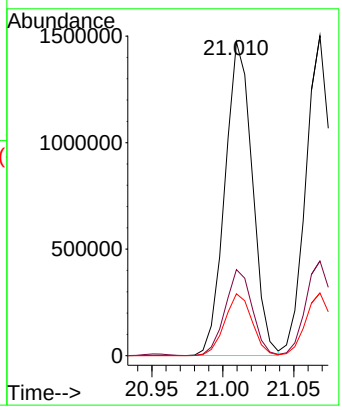


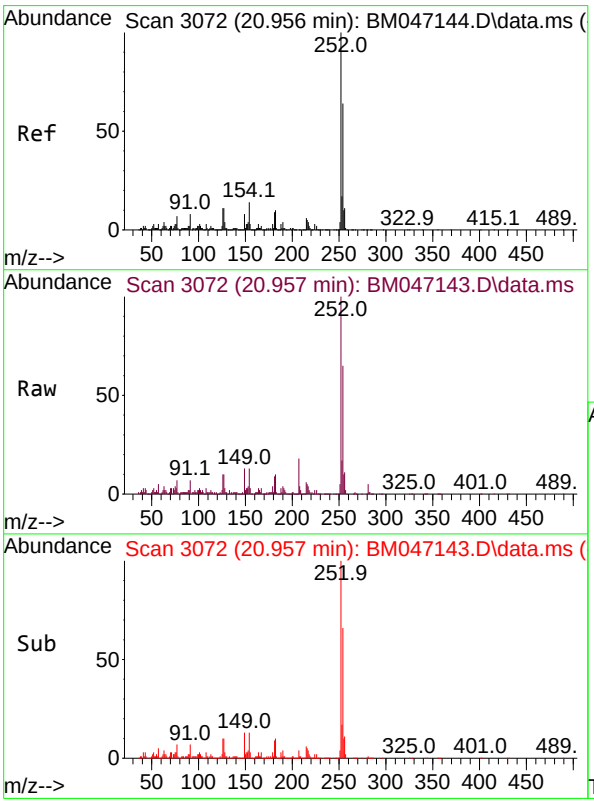
#81
Benzo(a)anthracene
Concen: 20.554 ng
RT: 21.010 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

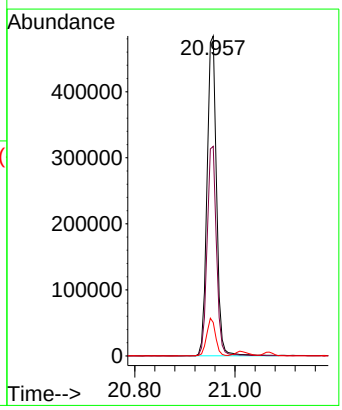


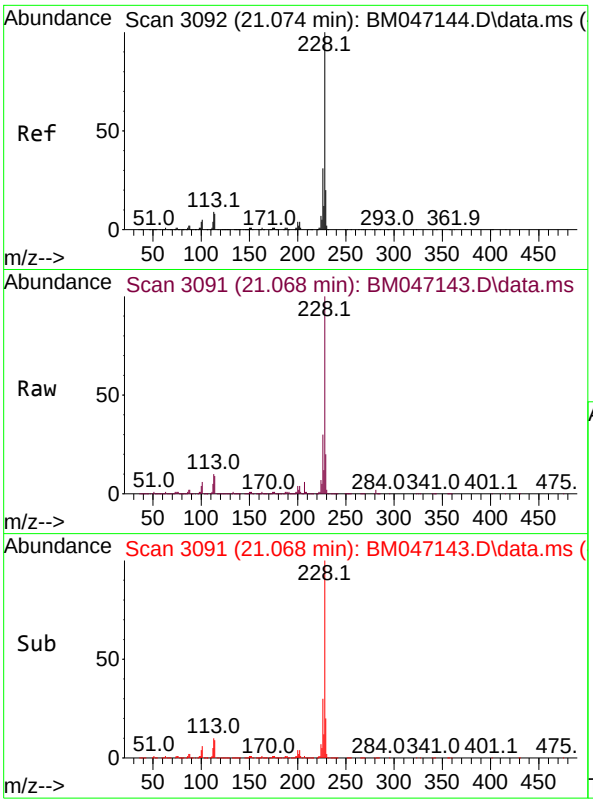


#82
3,3'-Dichlorobenzidine
Concen: 21.130 ng
RT: 20.957 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



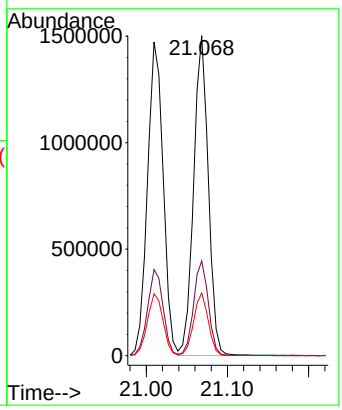


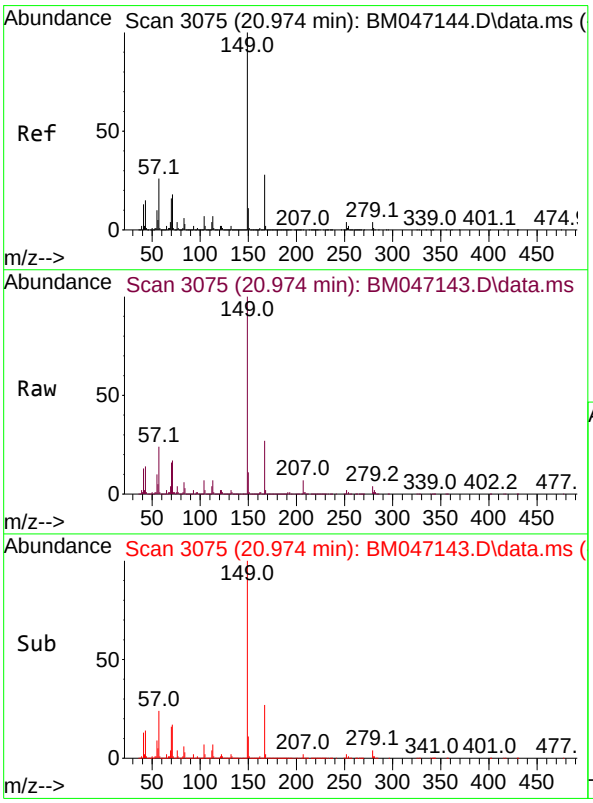
#83
Chrysene
Concen: 20.657 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

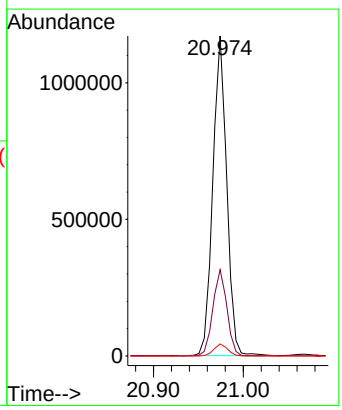


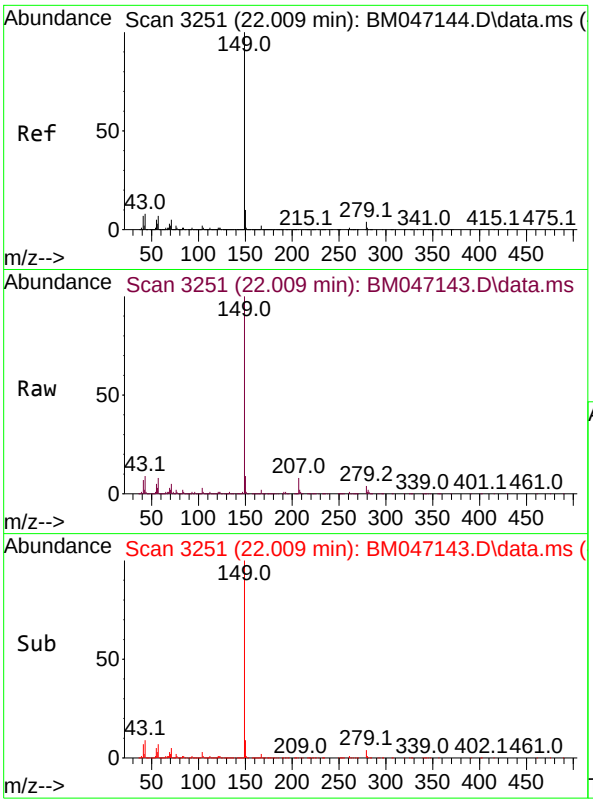


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.992 ng
RT: 20.974 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



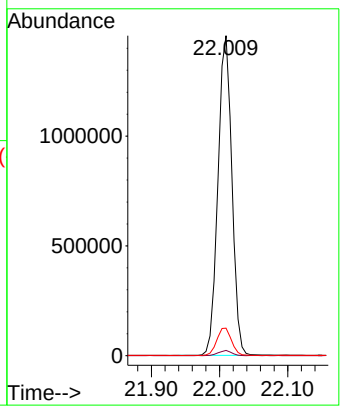


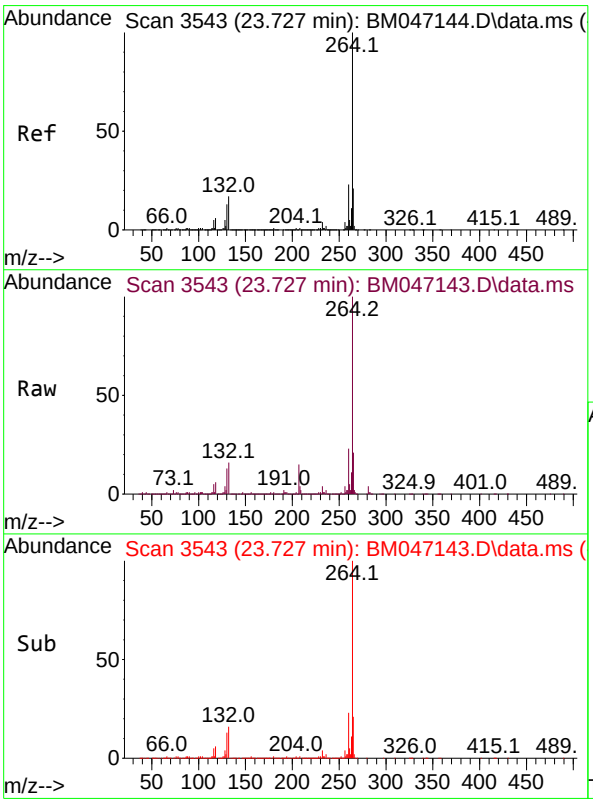
#85
Di-n-octyl phthalate
Concen: 20.358 ng
RT: 22.009 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

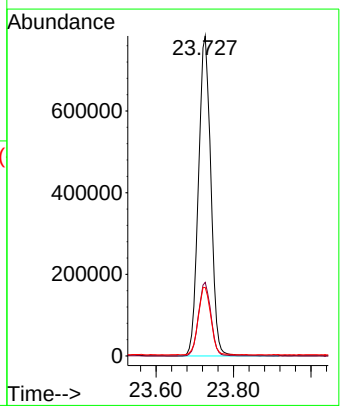


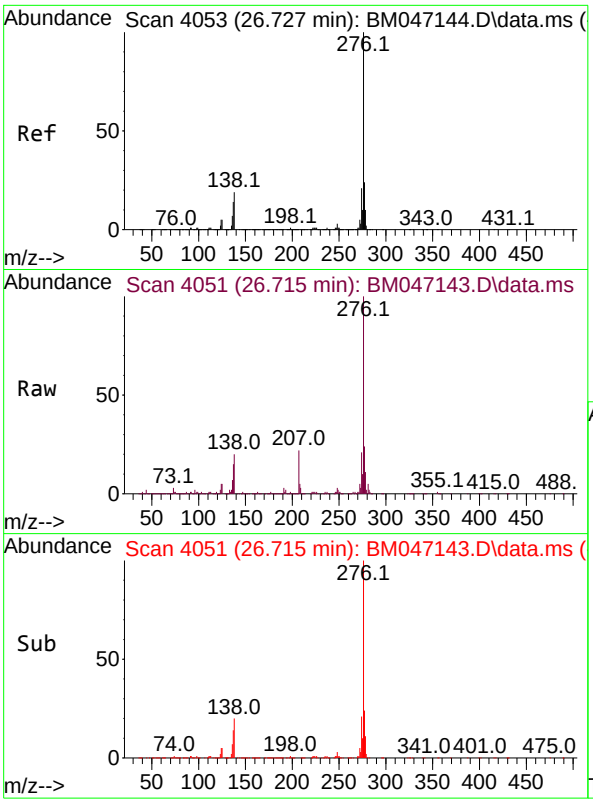


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



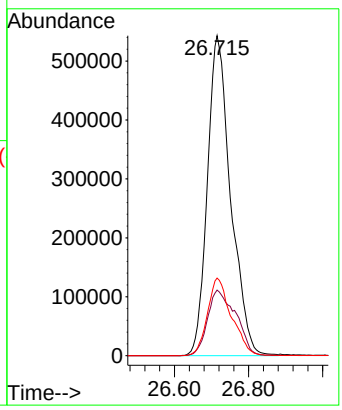


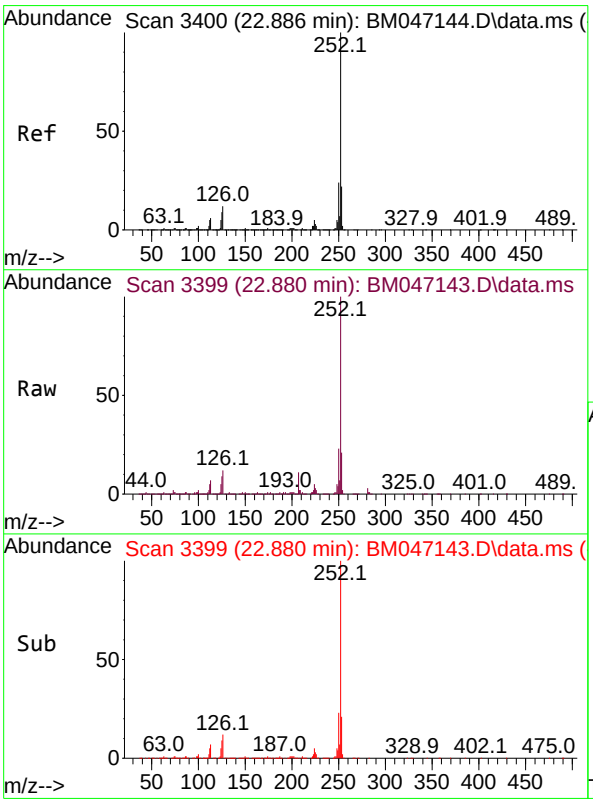
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.135 ng
RT: 26.715 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

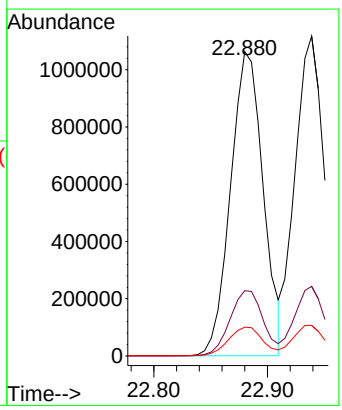


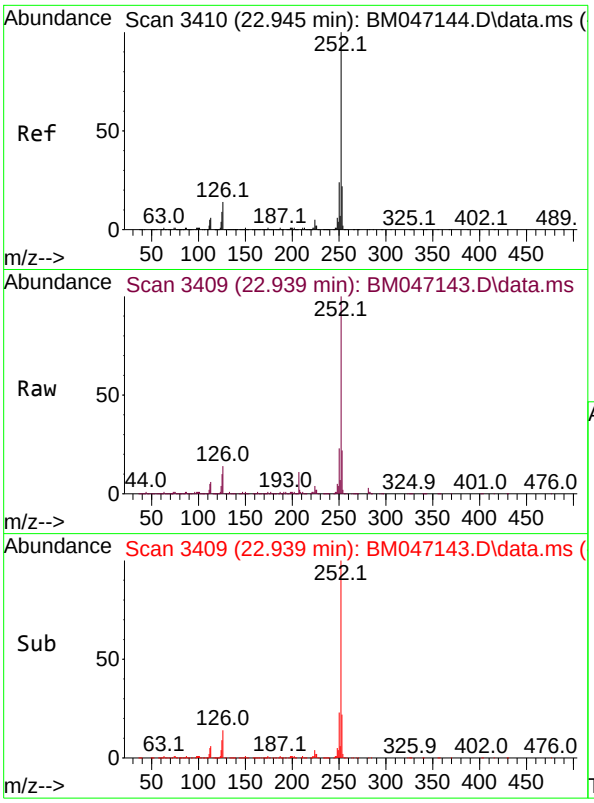


#88
Benzo(b)fluoranthene
Concen: 20.581 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



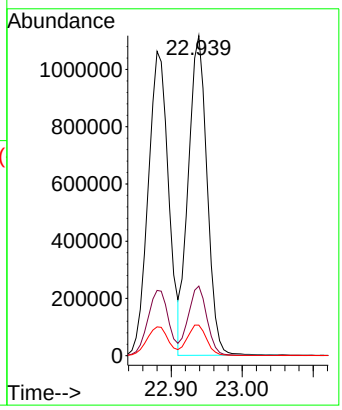


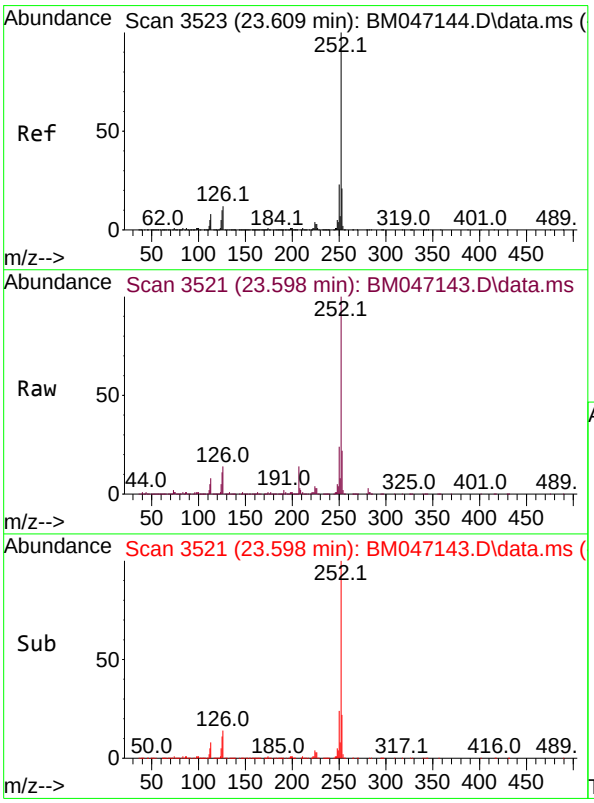
#89
Benzo(k)fluoranthene
Concen: 20.948 ng
RT: 22.939 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

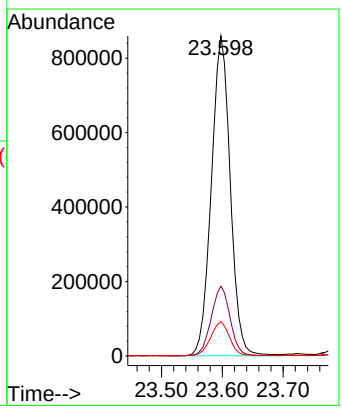


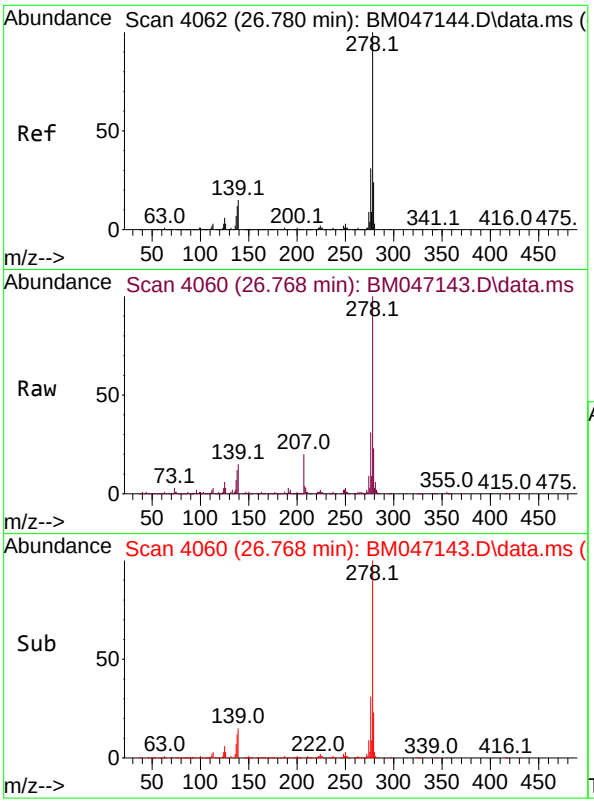


#90
Benzo(a)pyrene
Concen: 20.712 ng
RT: 23.598 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



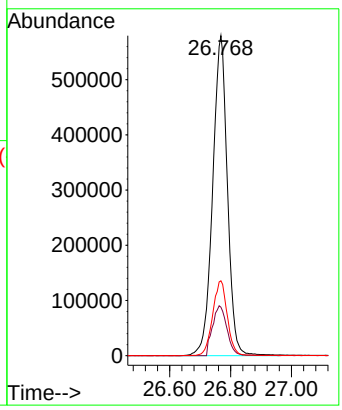


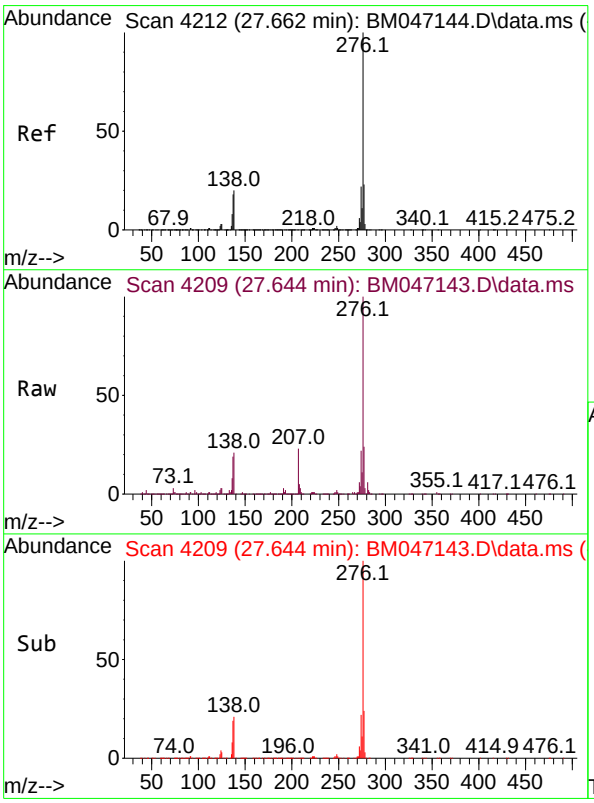
#91
Dibenzo(a,h)anthracene
Concen: 21.393 ng
RT: 26.768 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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

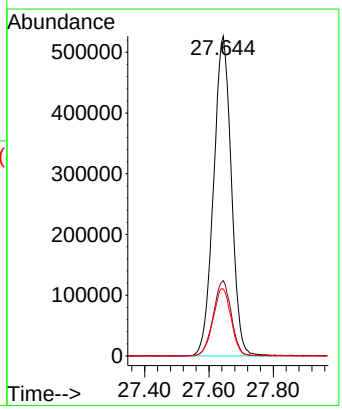




#92
Benzo(g,h,i)perylene
Concen: 21.405 ng
RT: 27.644 min Scan# 4209
Delta R.T. -0.018 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

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



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

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

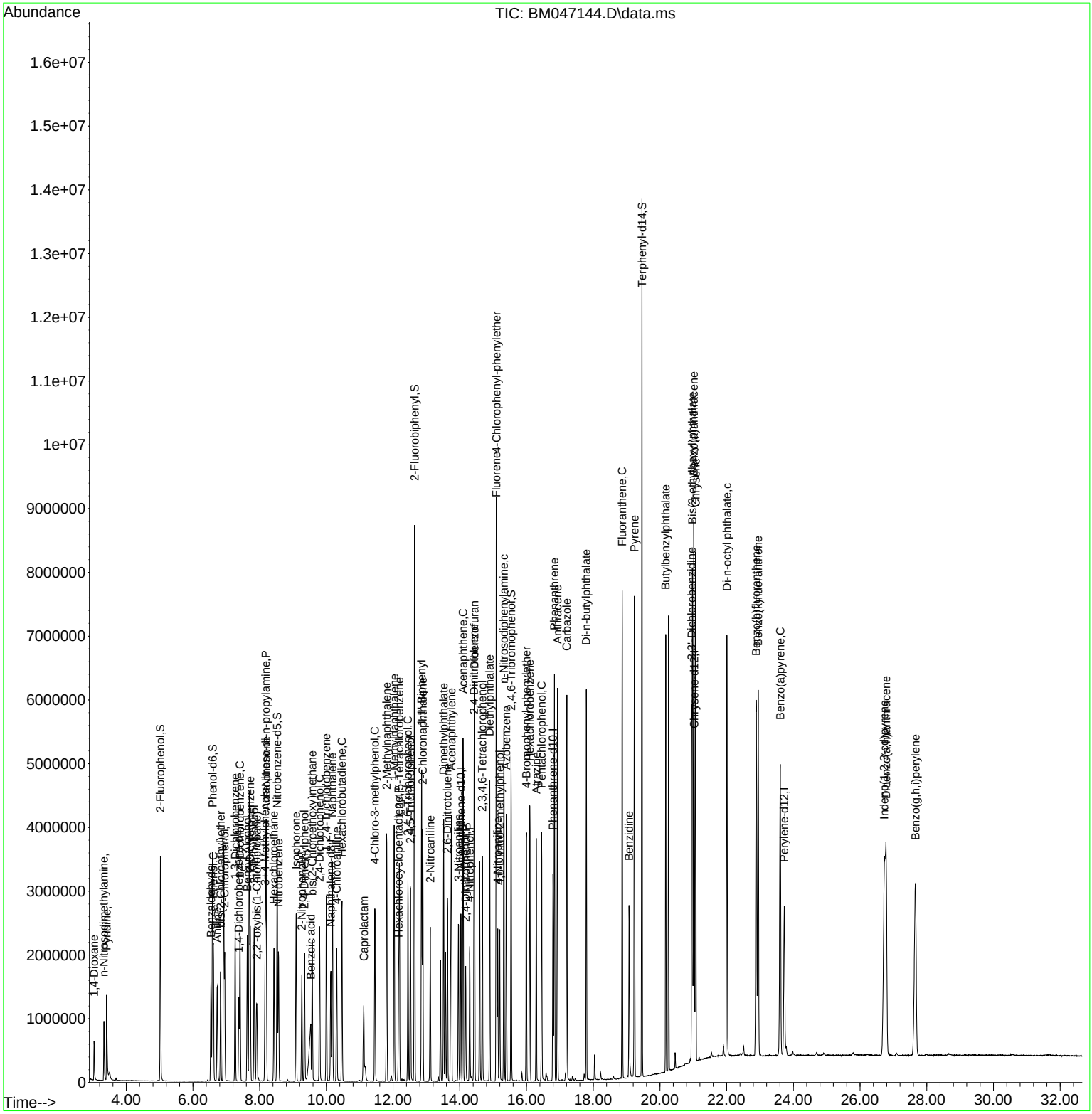
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	800233	40.628	ng	100
46) 1,1'-Biphenyl	12.857	154	2539356	38.981	ng	100
47) 2-Chloronaphthalene	12.886	162	1959972	38.494	ng	100
48) 2-Nitroaniline	13.116	65	652655	40.916	ng	100
49) Acenaphthylene	13.751	152	2931534	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

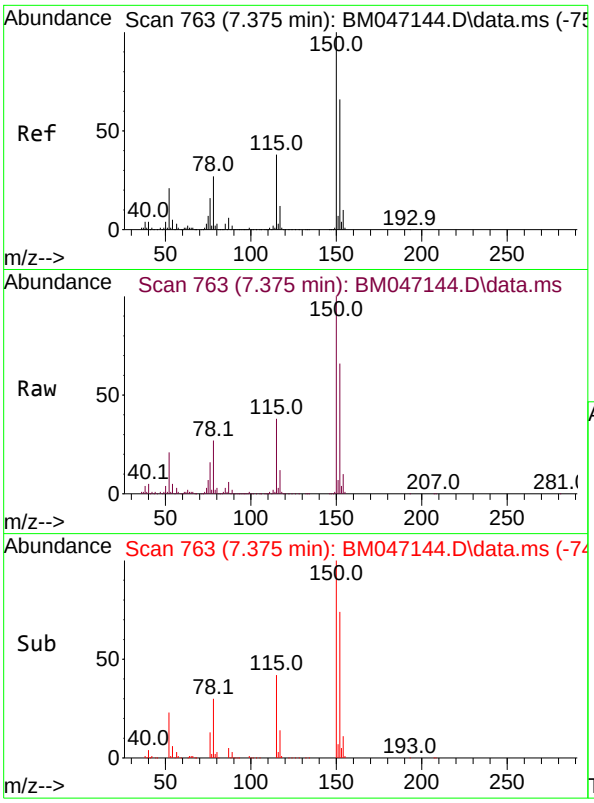
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



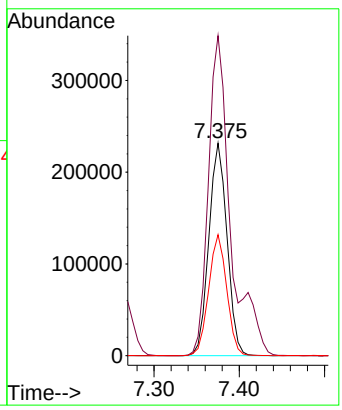


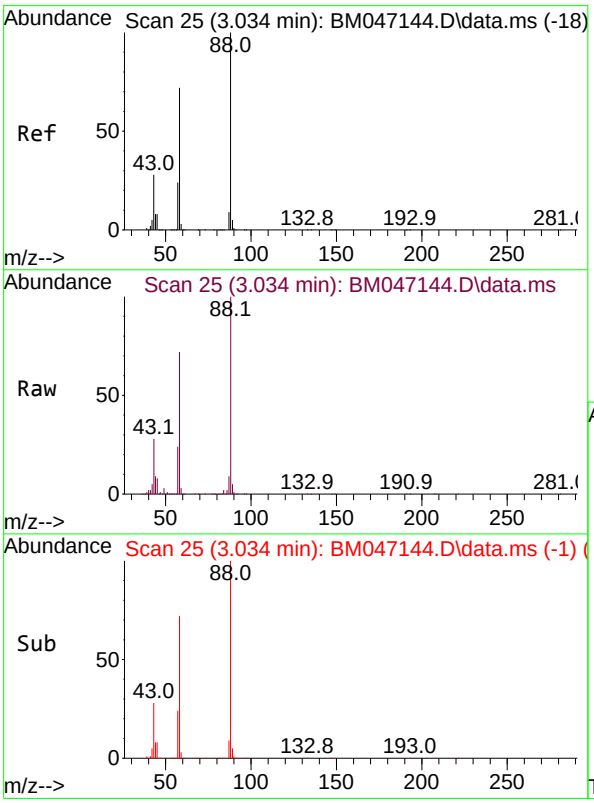
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

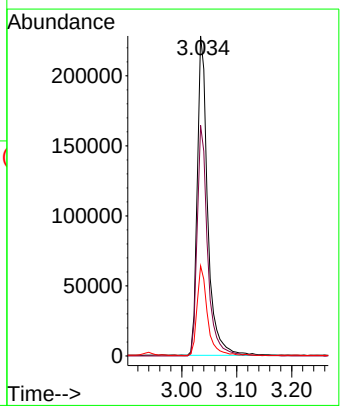


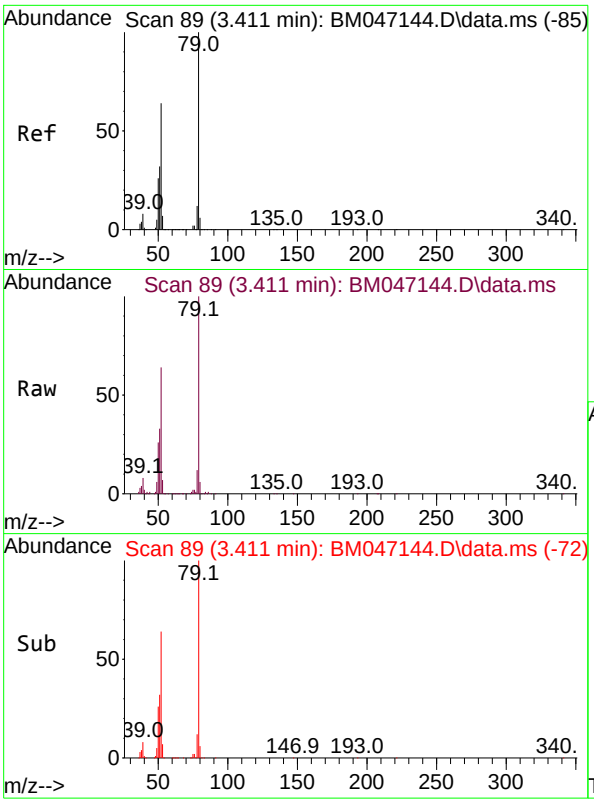


#2
1,4-Dioxane
Concen: 37.812 ng
RT: 3.034 min Scan# 25
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



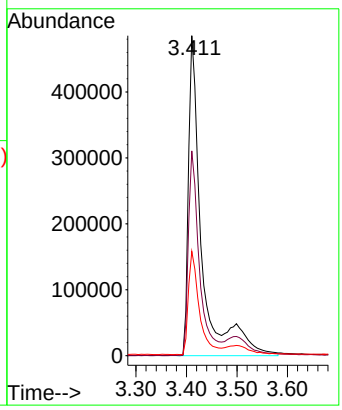


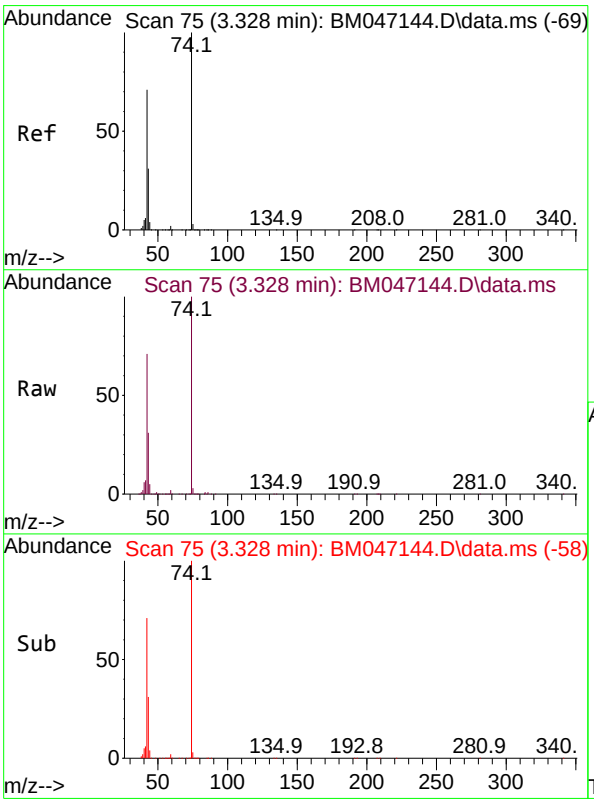
#3
Pyridine
Concen: 38.338 ng m
RT: 3.411 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

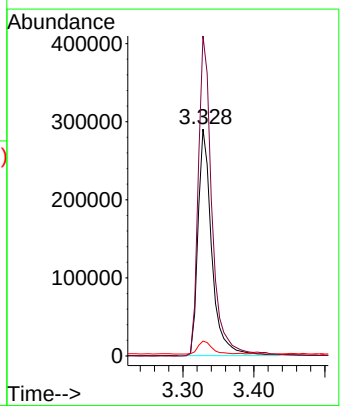


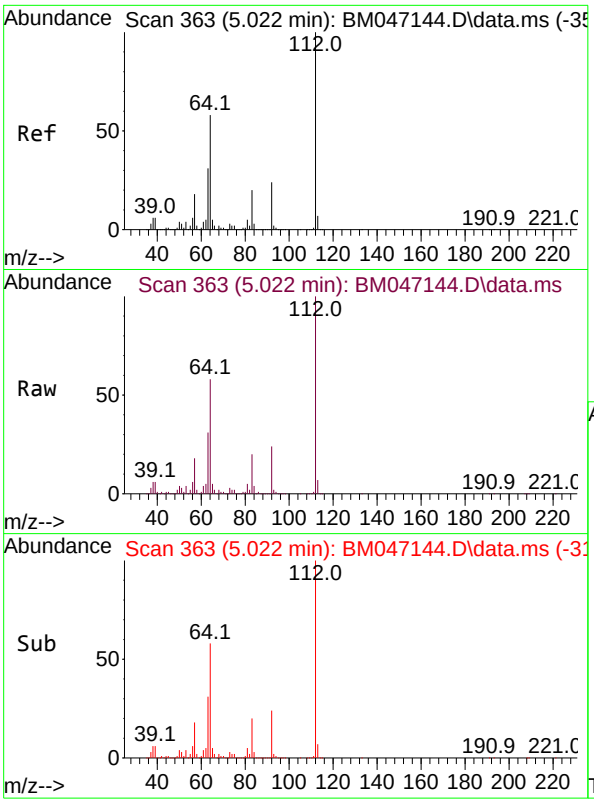


#4
n-Nitrosodimethylamine
Concen: 38.367 ng
RT: 3.328 min Scan# 75
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



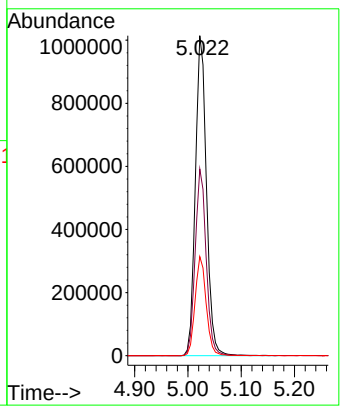


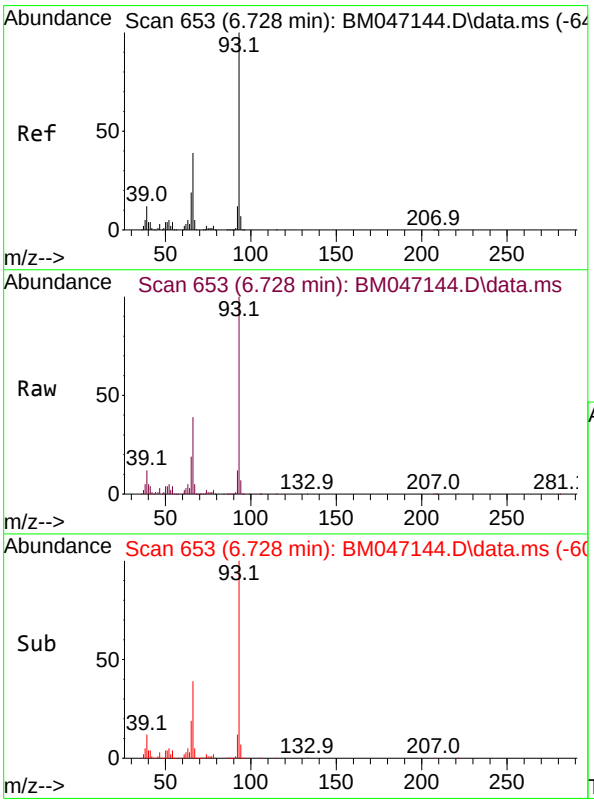
#5
2-Fluorophenol
Concen: 76.564 ng
RT: 5.022 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

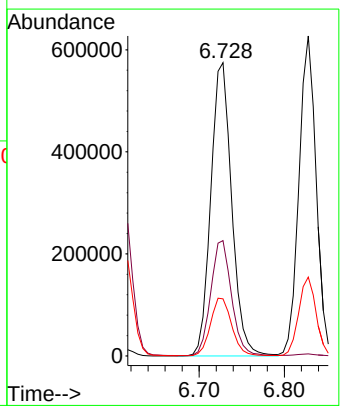


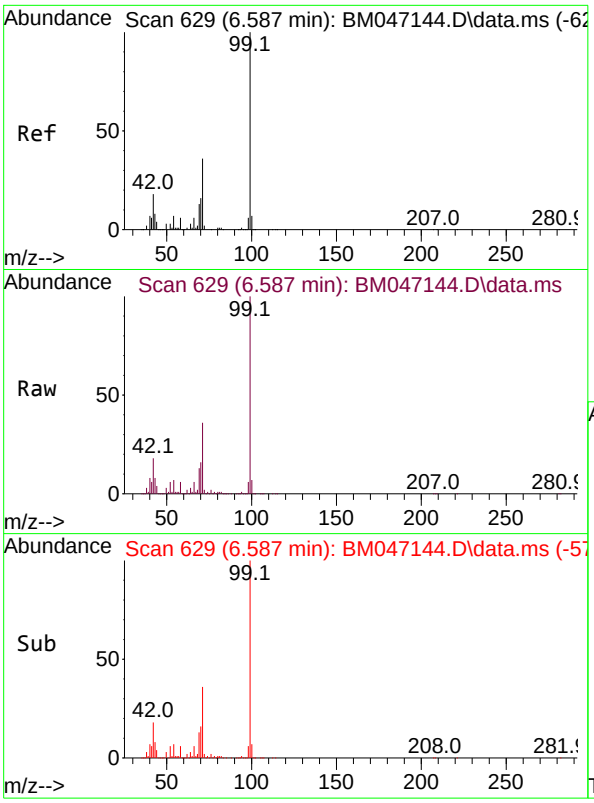


#6
Aniline
Concen: 39.189 ng
RT: 6.728 min Scan# 653
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



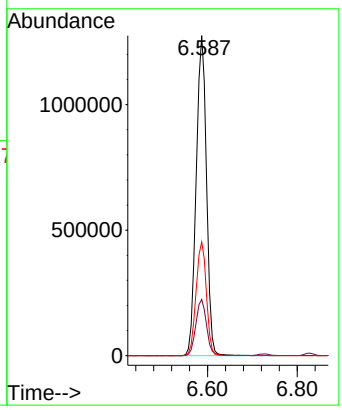


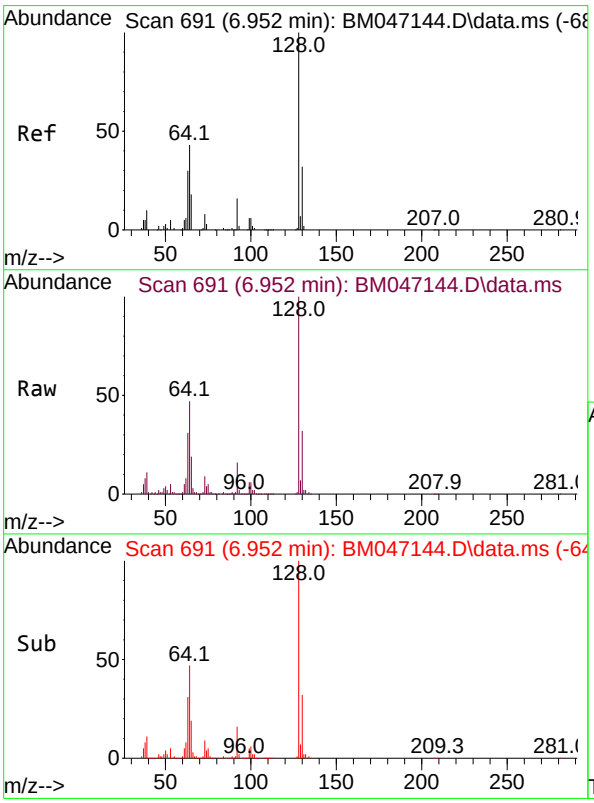
#7
Phenol-d6
Concen: 76.657 ng
RT: 6.587 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

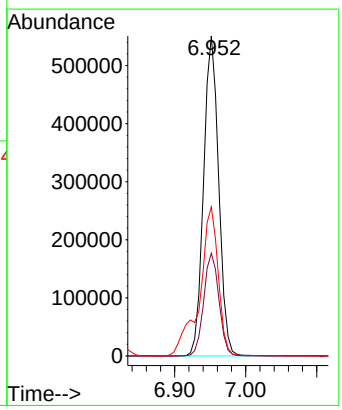


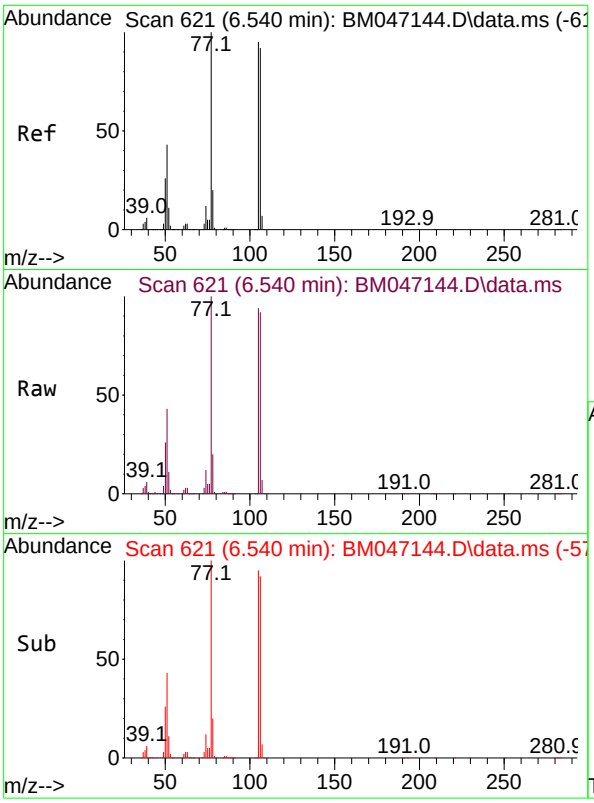


#8
2-Chlorophenol
Concen: 38.816 ng
RT: 6.952 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



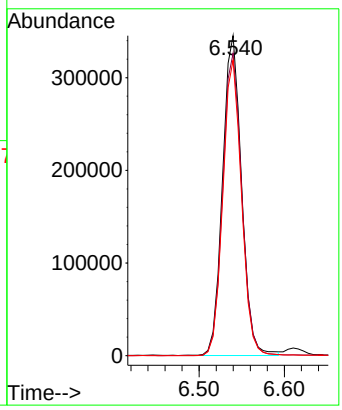


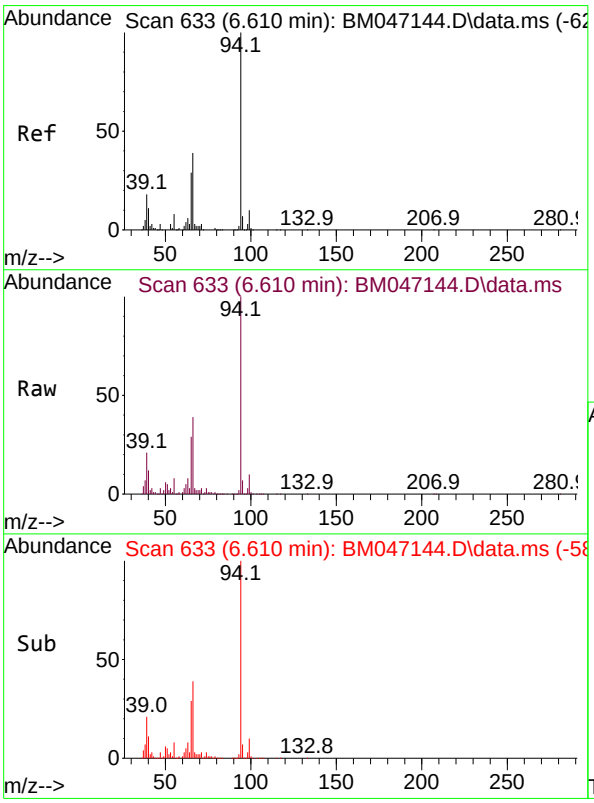
#9
Benzaldehyde
Concen: 37.348 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

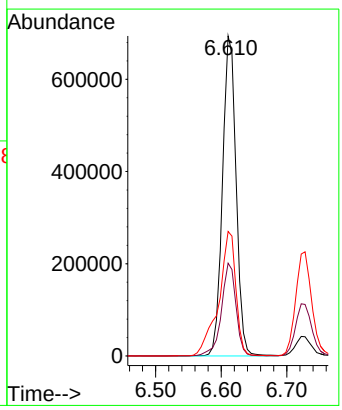


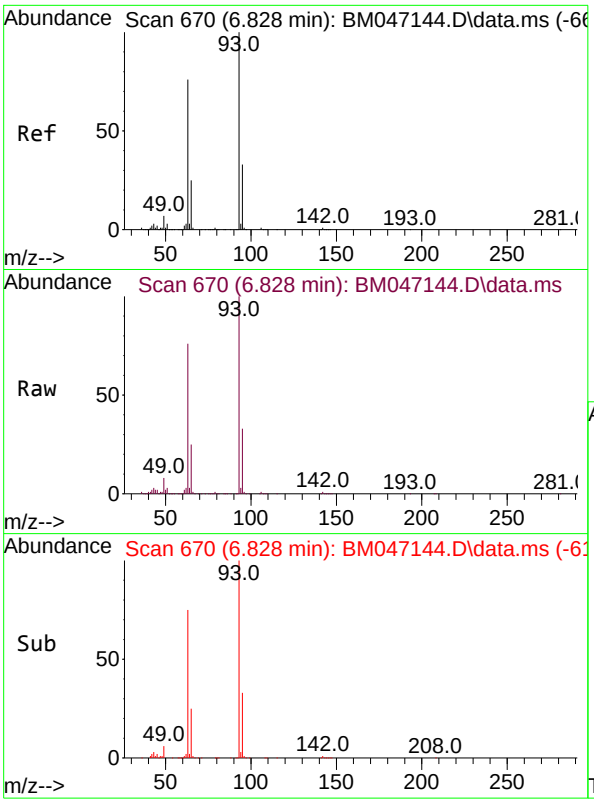


#10
Phenol
Concen: 37.765 ng
RT: 6.610 min Scan# 633
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



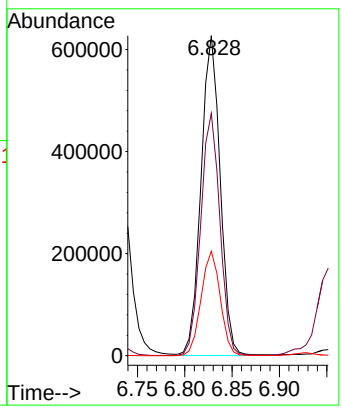


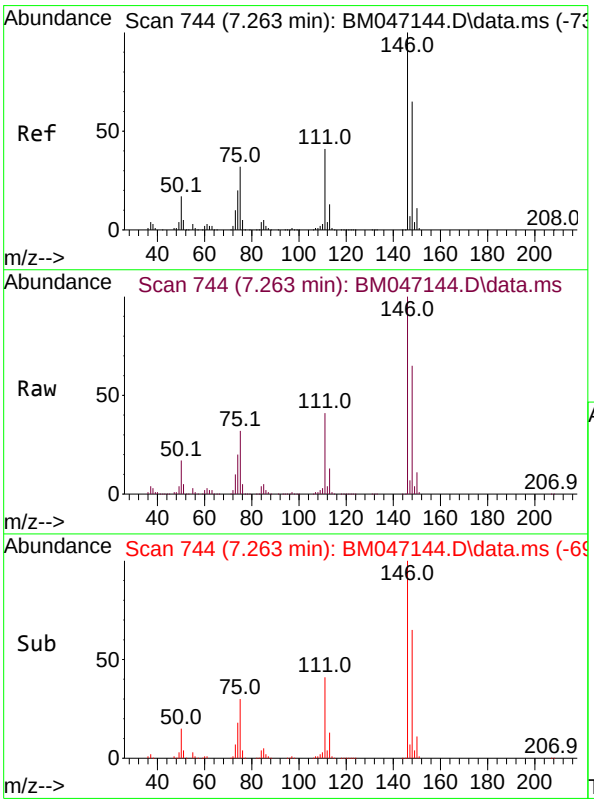
#11
bis(2-Chloroethyl)ether
Concen: 38.943 ng
RT: 6.828 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

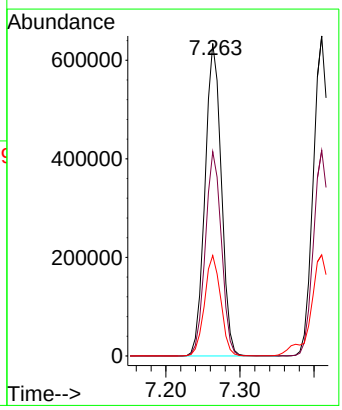


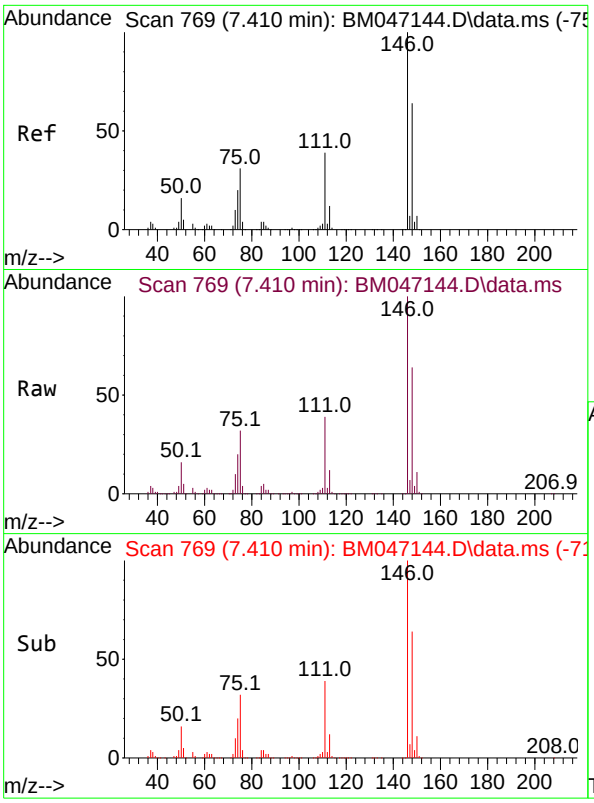


#12
1,3-Dichlorobenzene
Concen: 38.813 ng
RT: 7.263 min Scan# 744
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



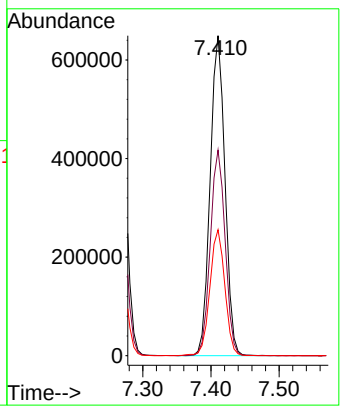


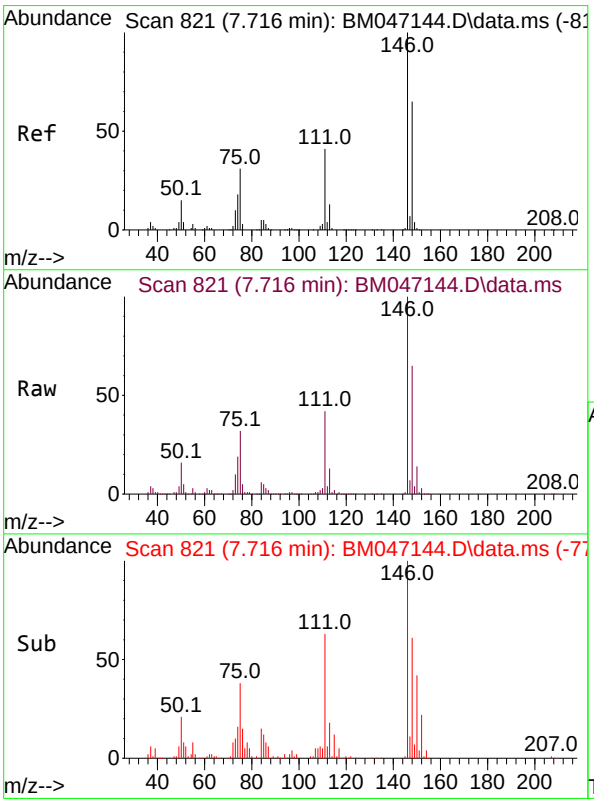
#13
1,4-Dichlorobenzene
Concen: 38.912 ng
RT: 7.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

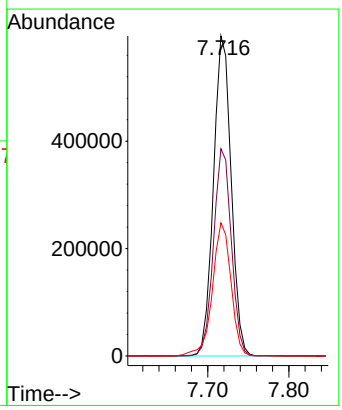


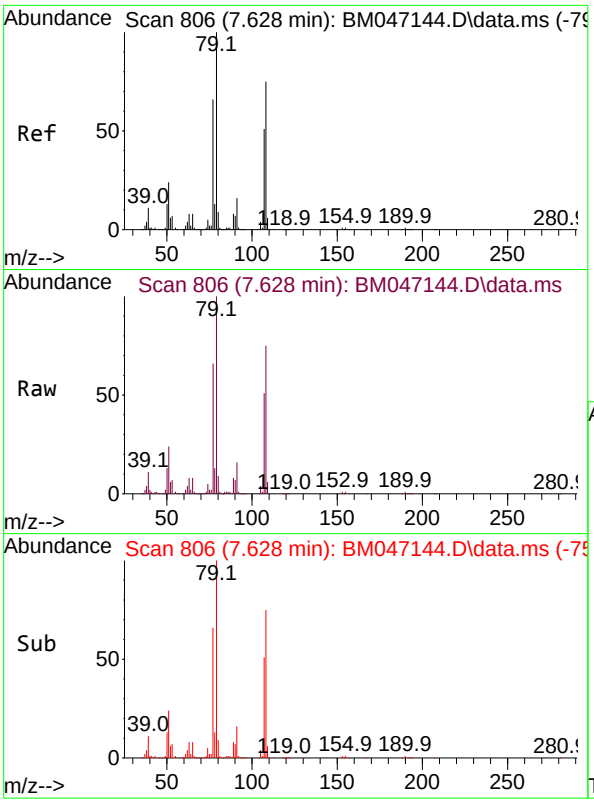


#14
1,2-Dichlorobenzene
Concen: 37.935 ng
RT: 7.716 min Scan# 821
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



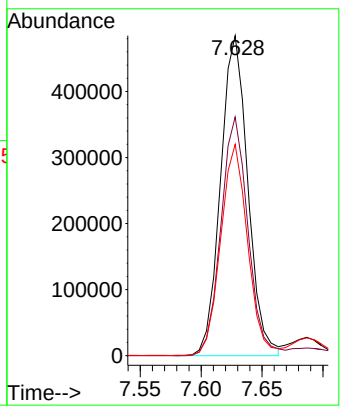


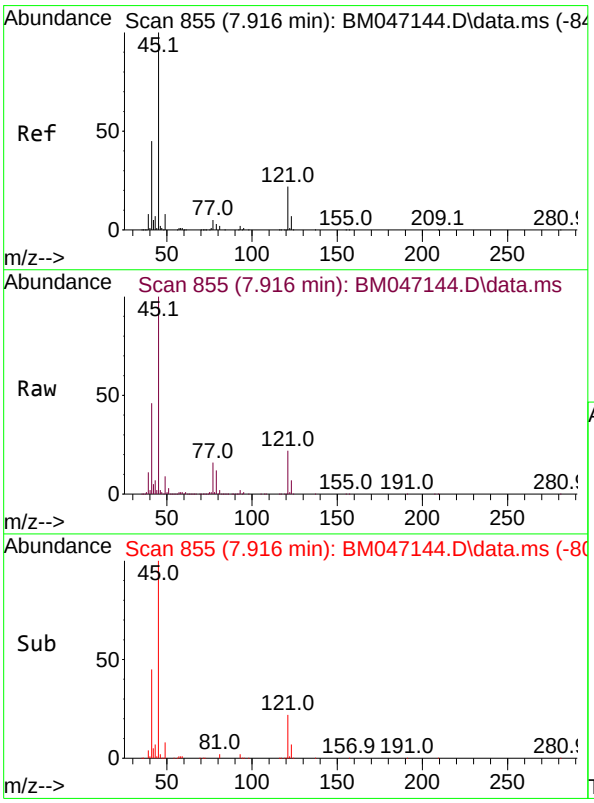
#15
Benzyl Alcohol
Concen: 40.023 ng
RT: 7.628 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

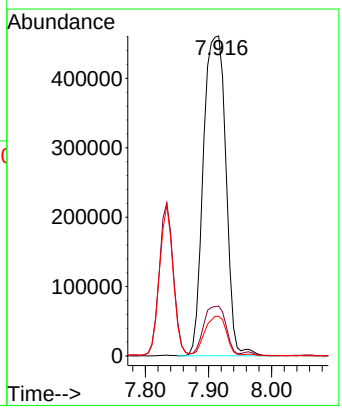


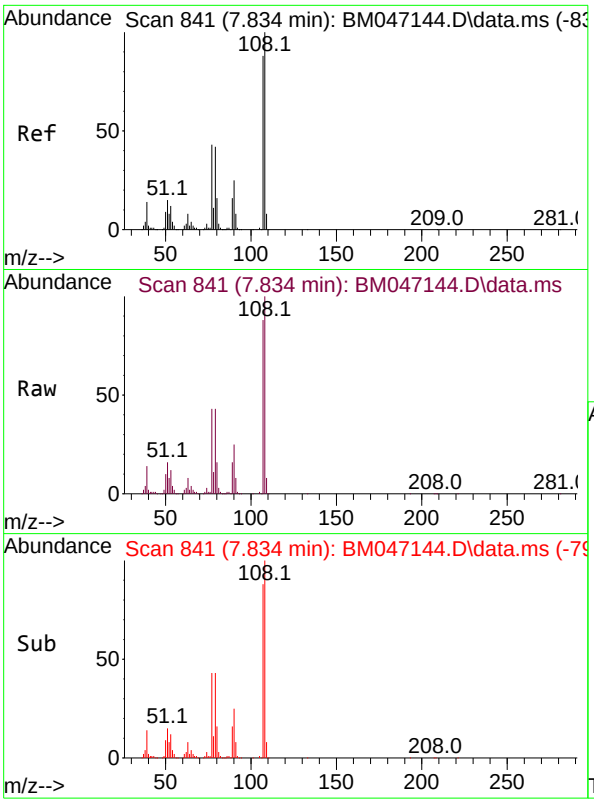


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.195 ng
RT: 7.916 min Scan# 855
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



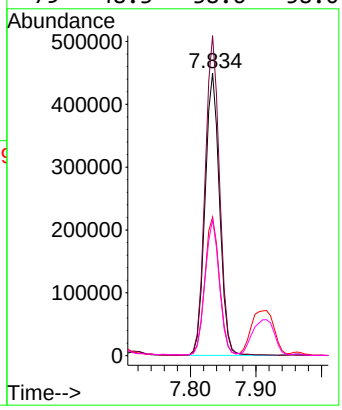


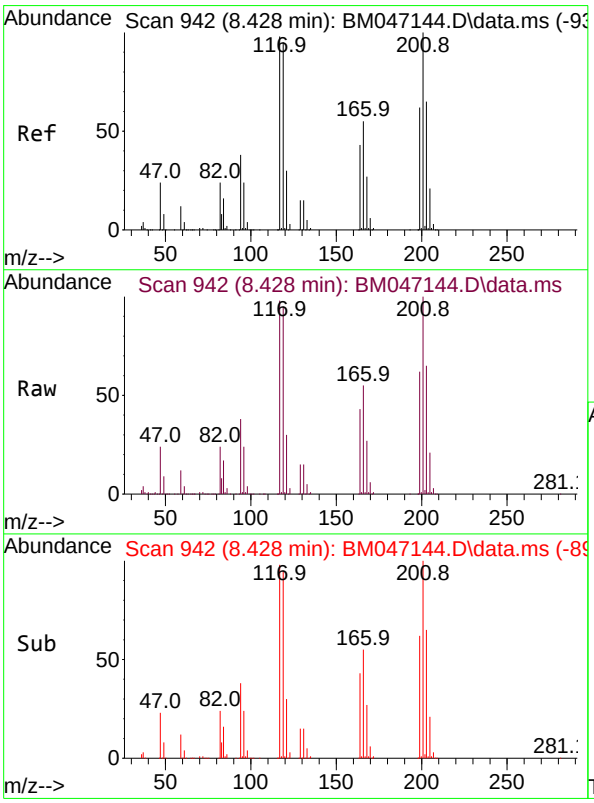
#17
2-Methylphenol
Concen: 39.076 ng
RT: 7.834 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

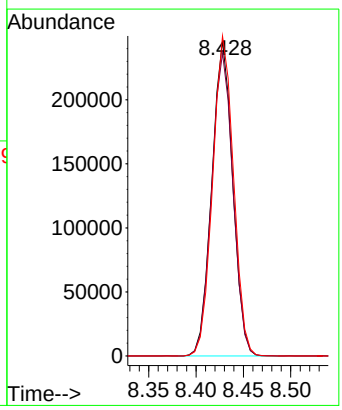


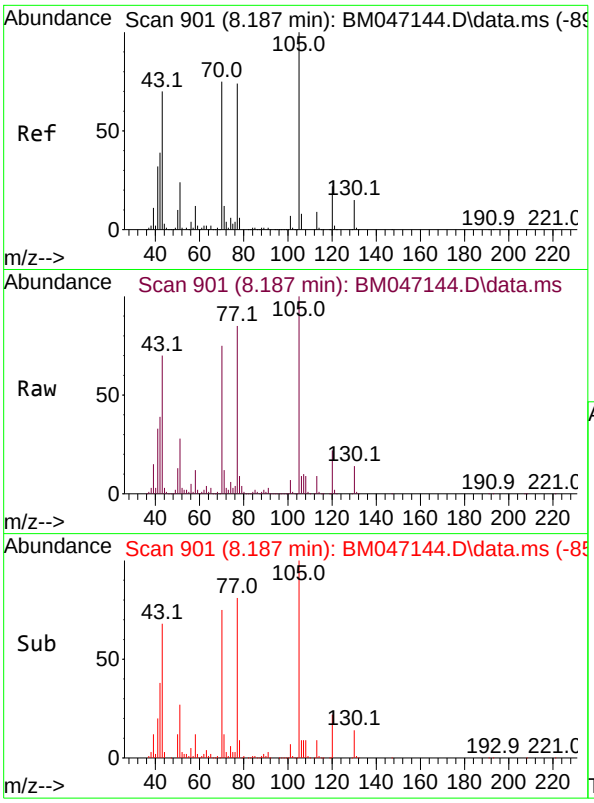


#18
Hexachloroethane
Concen: 38.722 ng
RT: 8.428 min Scan# 942
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



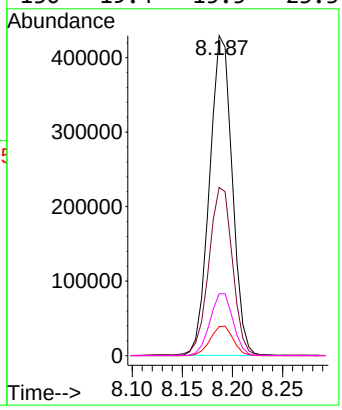


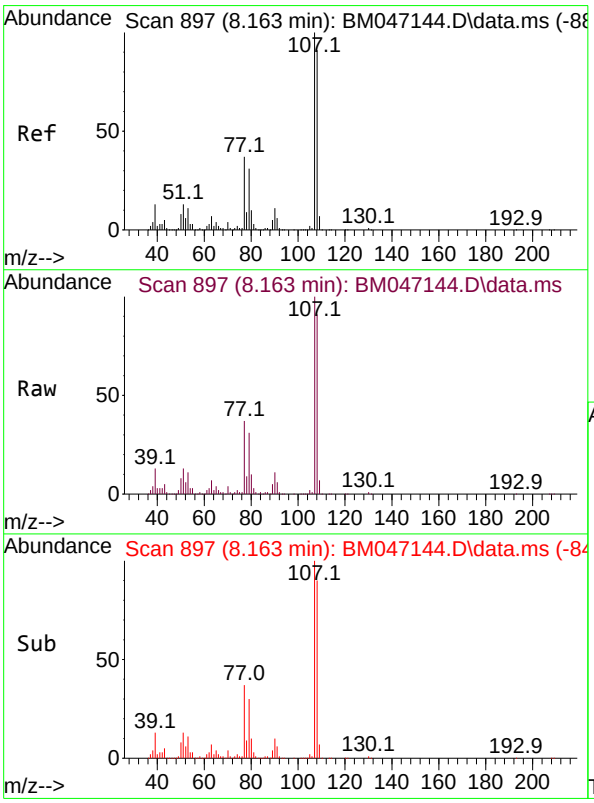
#19
n-Nitroso-di-n-propylamine
Concen: 37.795 ng
RT: 8.187 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

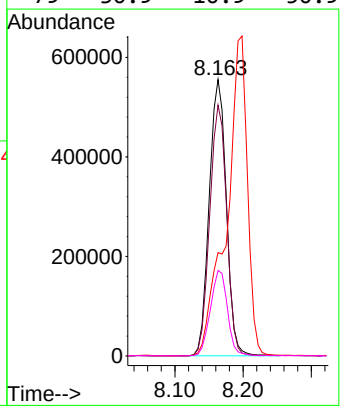


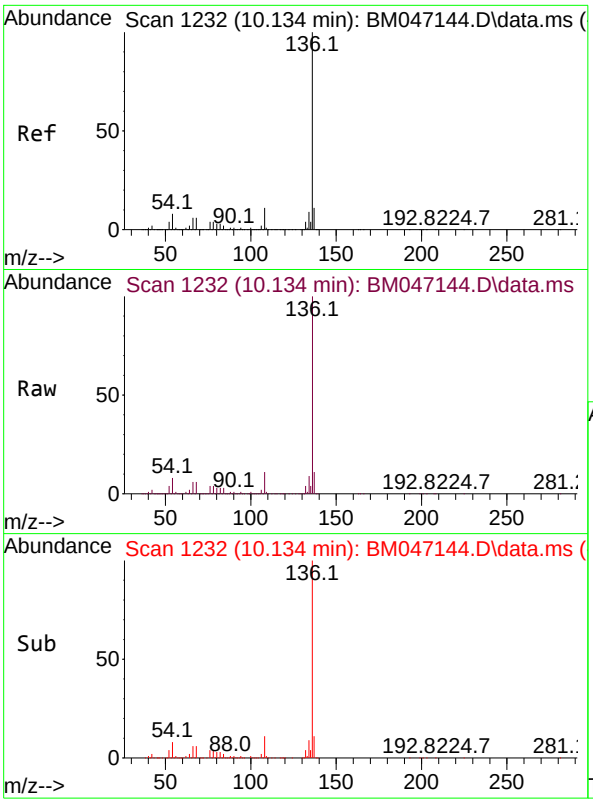


#20
3+4-Methylphenols
Concen: 39.329 ng
RT: 8.163 min Scan# 897
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



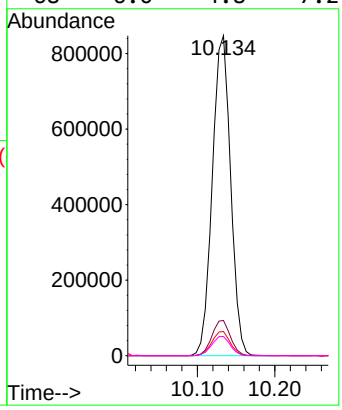


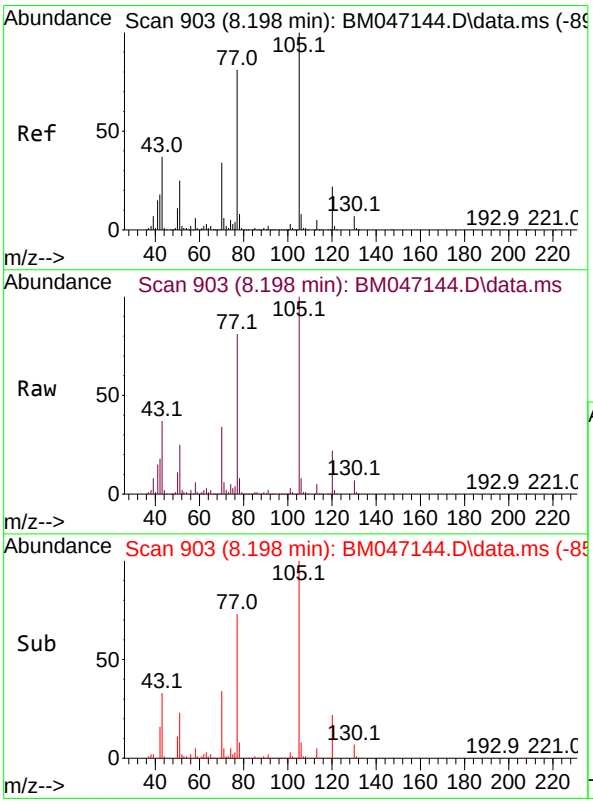
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

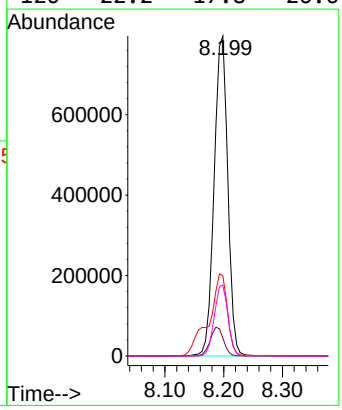


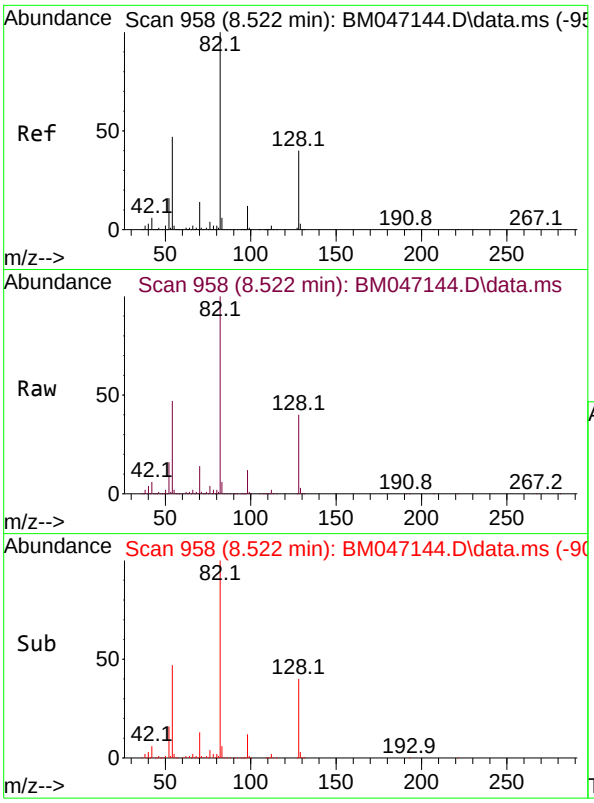


#22
Acetophenone
Concen: 38.307 ng
RT: 8.198 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



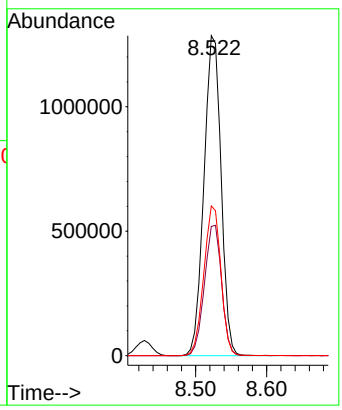


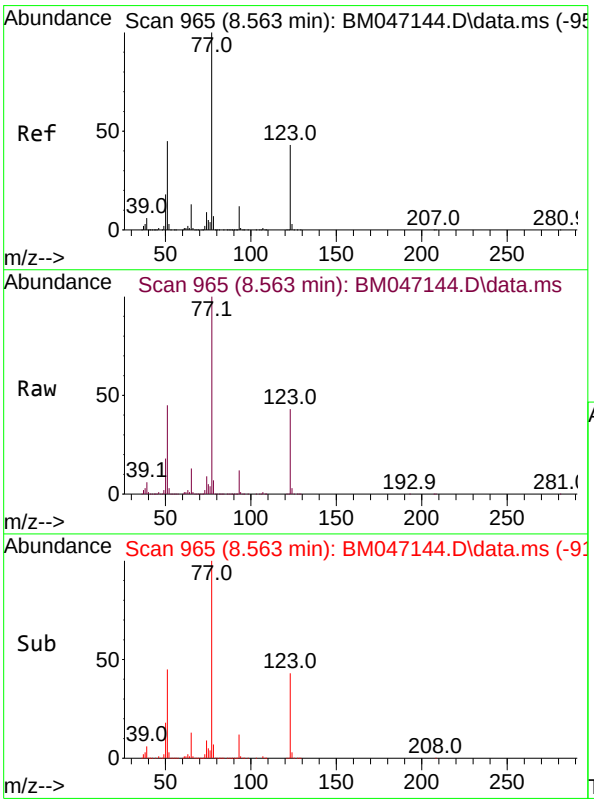
#23
Nitrobenzene-d5
Concen: 78.454 ng
RT: 8.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

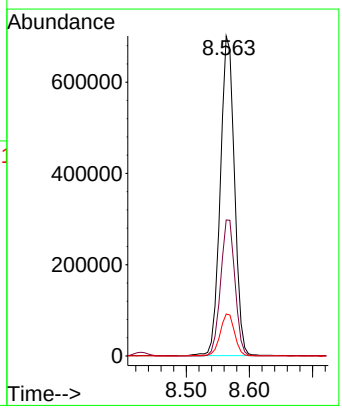


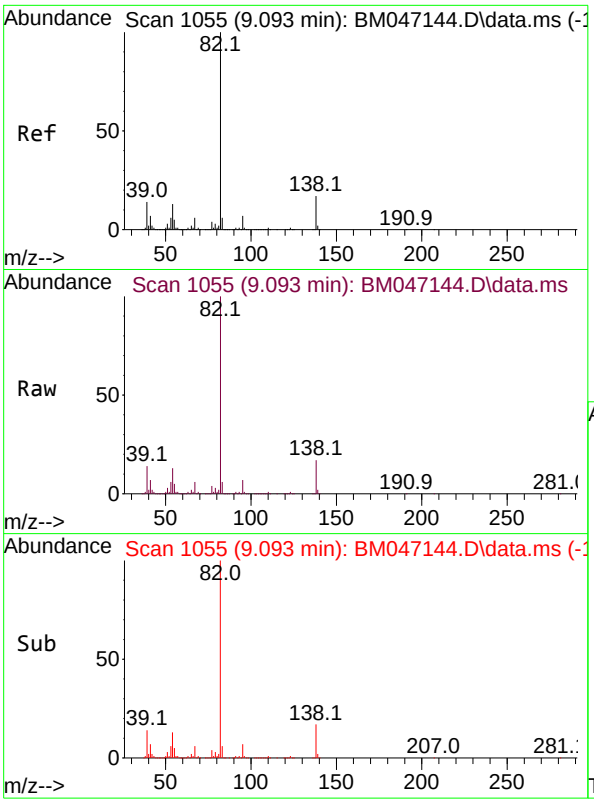


#24
Nitrobenzene
Concen: 39.350 ng
RT: 8.563 min Scan# 965
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



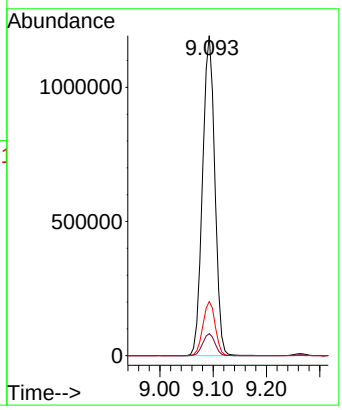


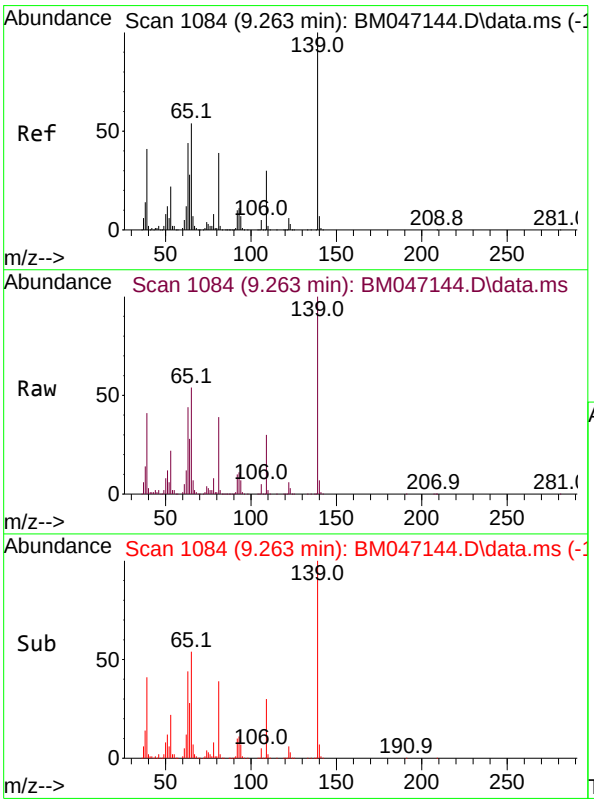
#25
Isophorone
Concen: 39.785 ng
RT: 9.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

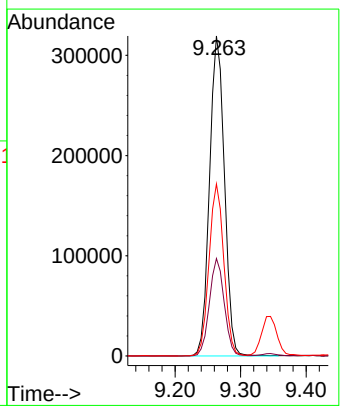


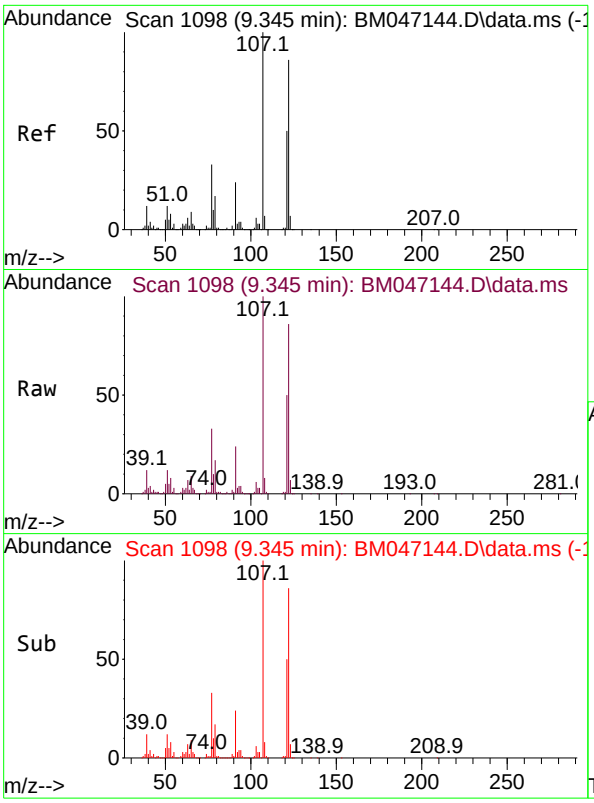


#26
2-Nitrophenol
Concen: 41.011 ng
RT: 9.263 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



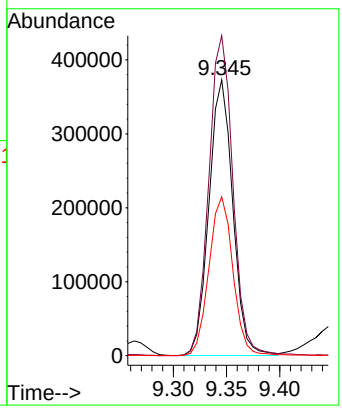


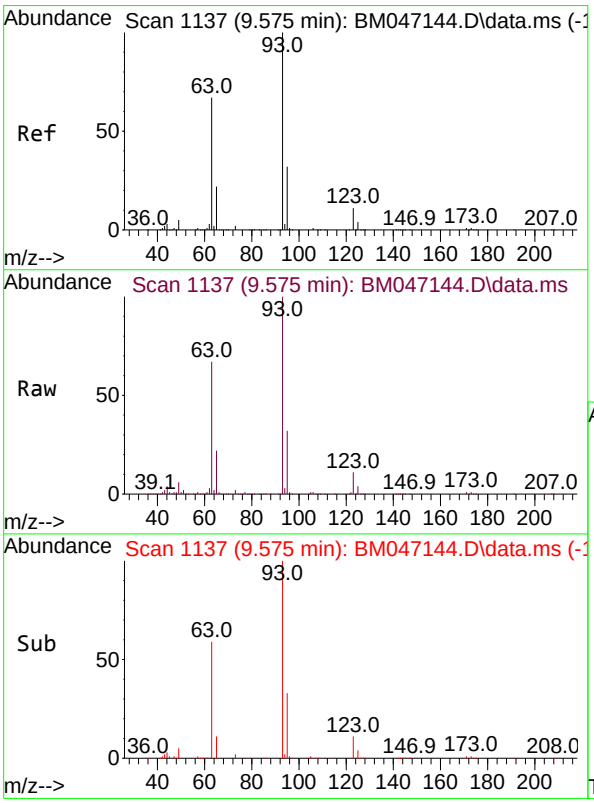
#27
2,4-Dimethylphenol
Concen: 40.278 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

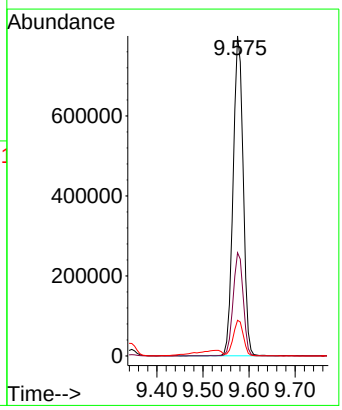


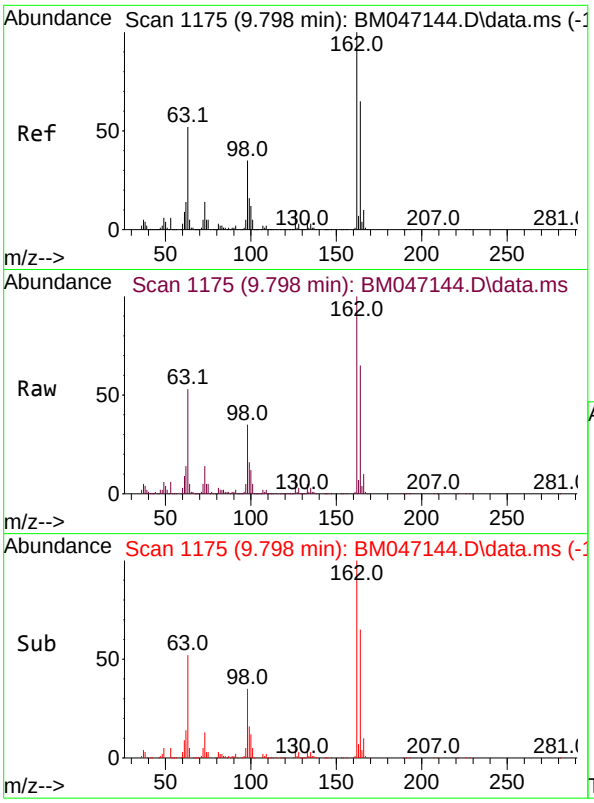


#28
bis(2-Chloroethoxy)methane
Concen: 40.013 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



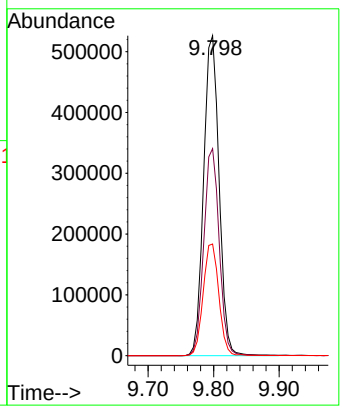


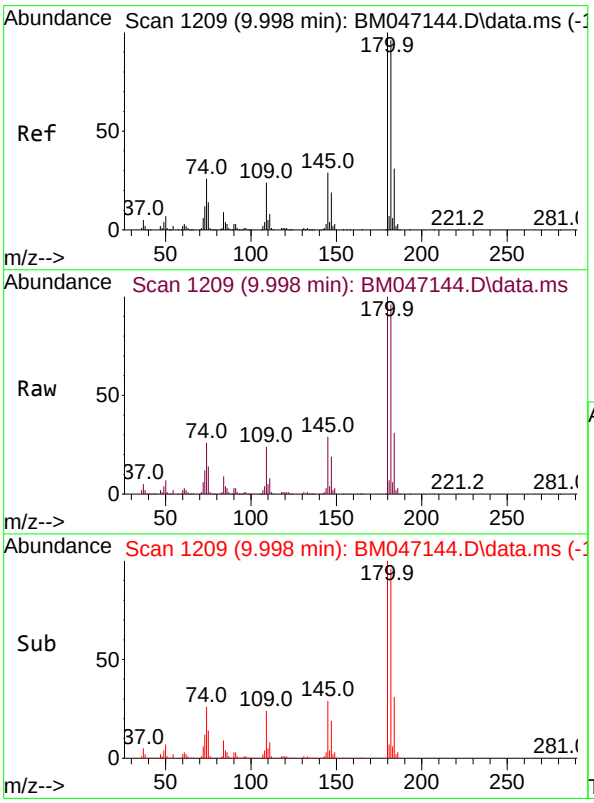
#29
2,4-Dichlorophenol
Concen: 40.518 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

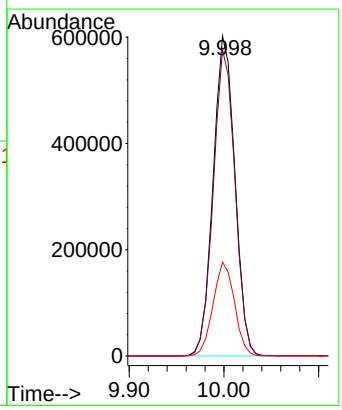


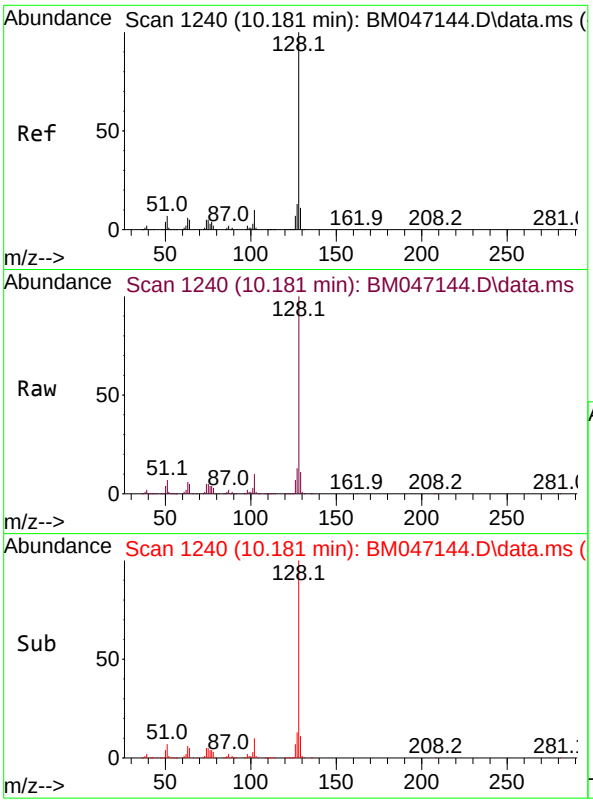


#30
1,2,4-Trichlorobenzene
Concen: 39.749 ng
RT: 9.998 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



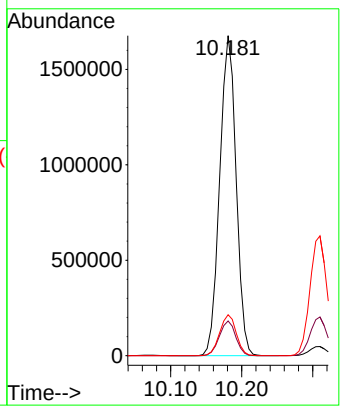


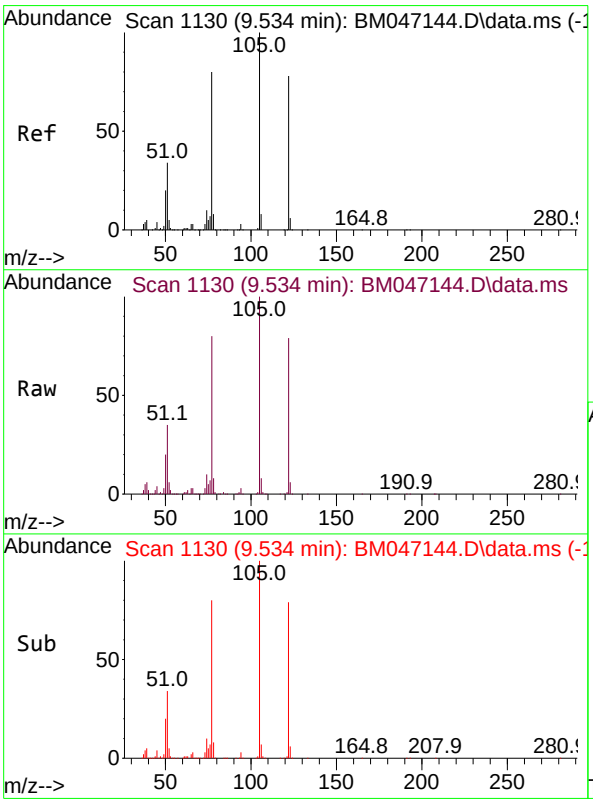
#31
Naphthalene
Concen: 38.782 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

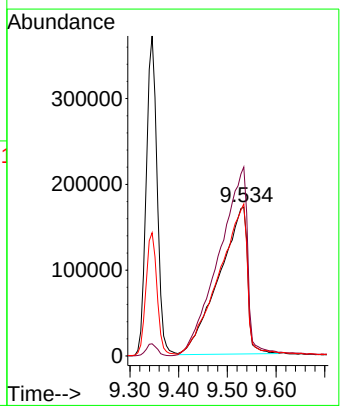


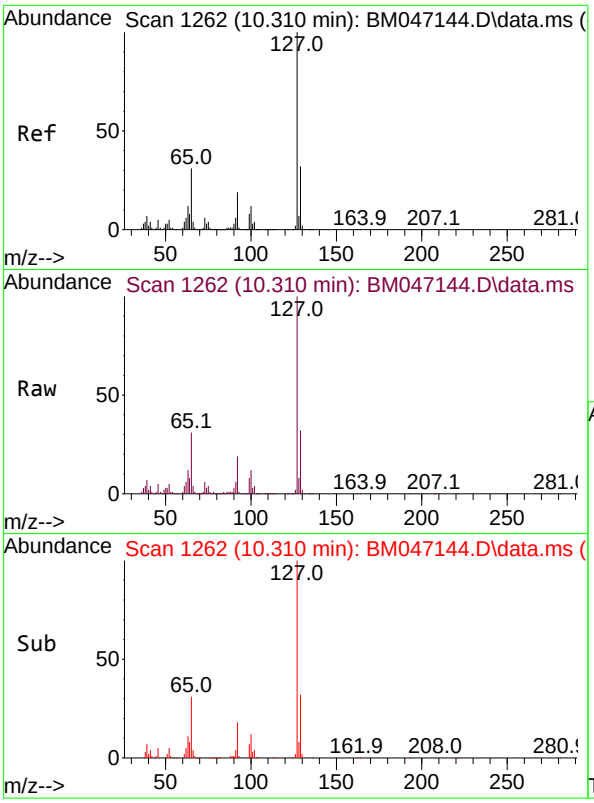


#32
Benzoic acid
Concen: 41.337 ng
RT: 9.534 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



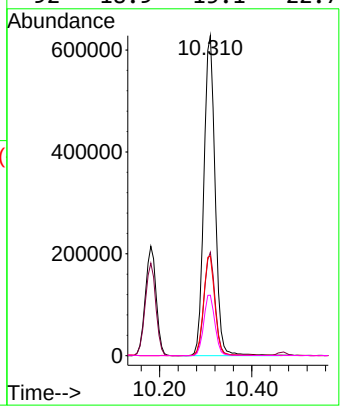


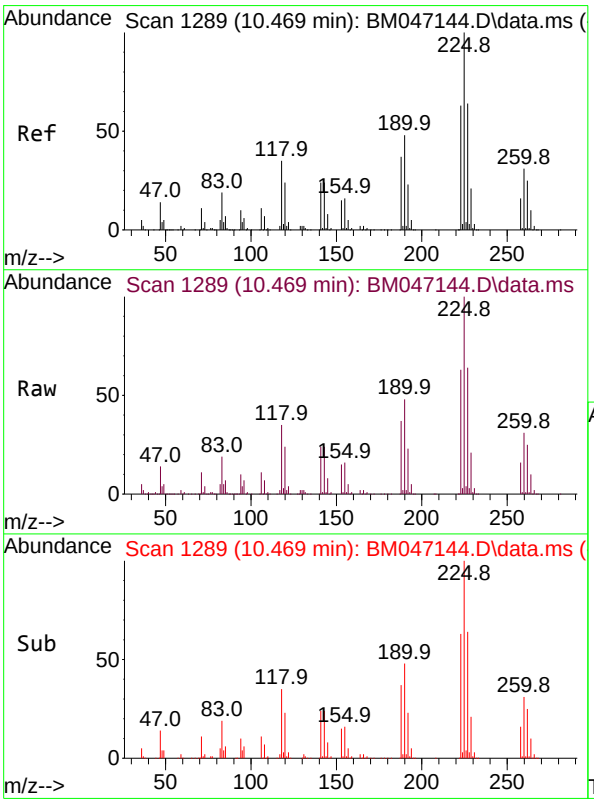
#33
4-Chloroaniline
Concen: 40.238 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

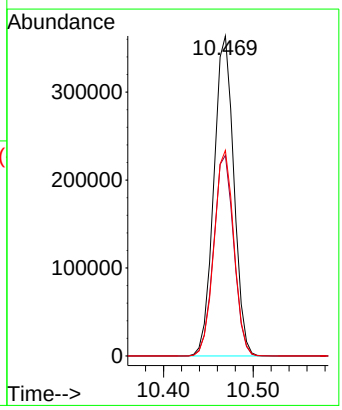


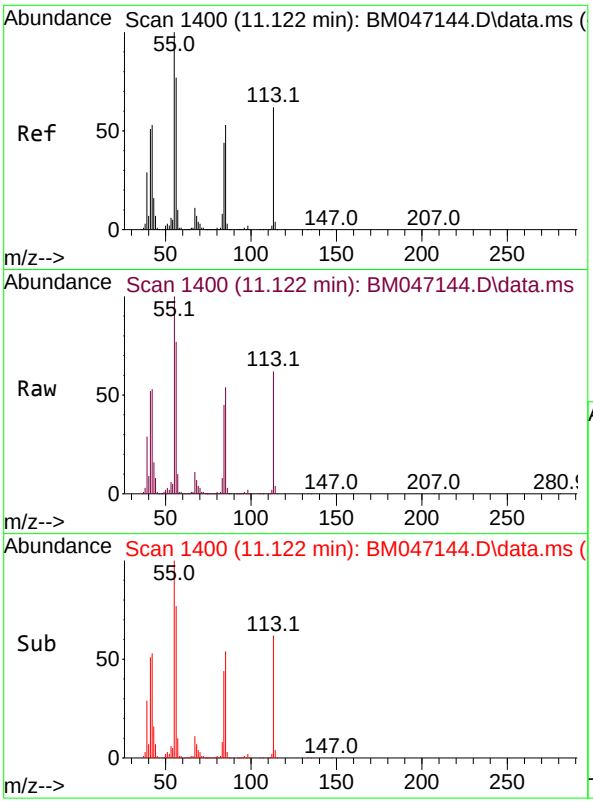


#34
Hexachlorobutadiene
Concen: 39.737 ng
RT: 10.469 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



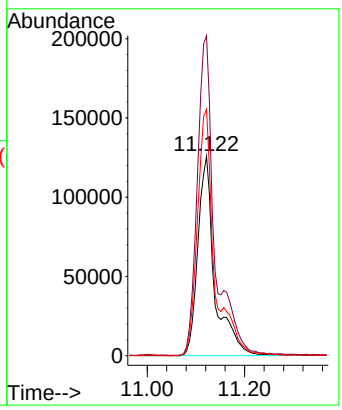


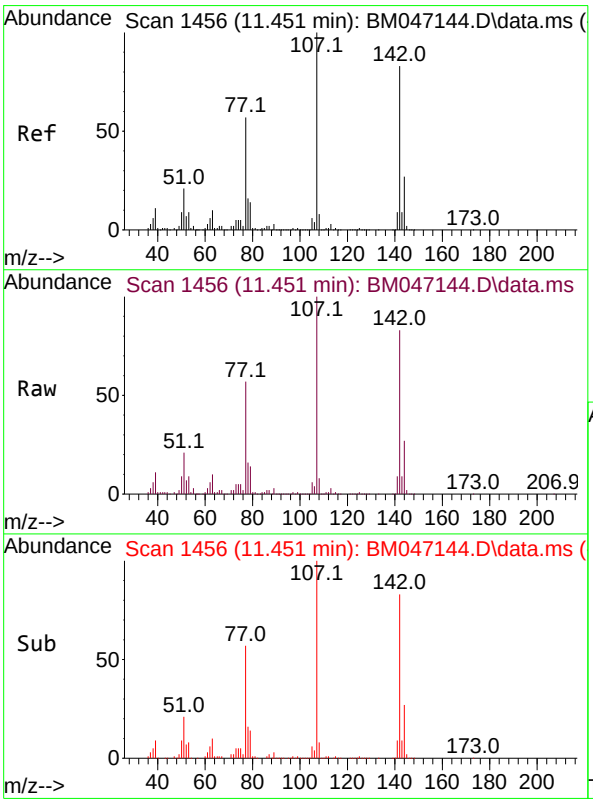
#35
Caprolactam
Concen: 40.875 ng
RT: 11.122 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

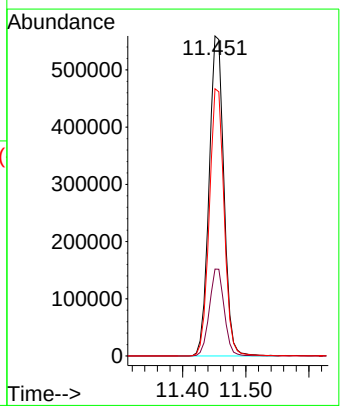


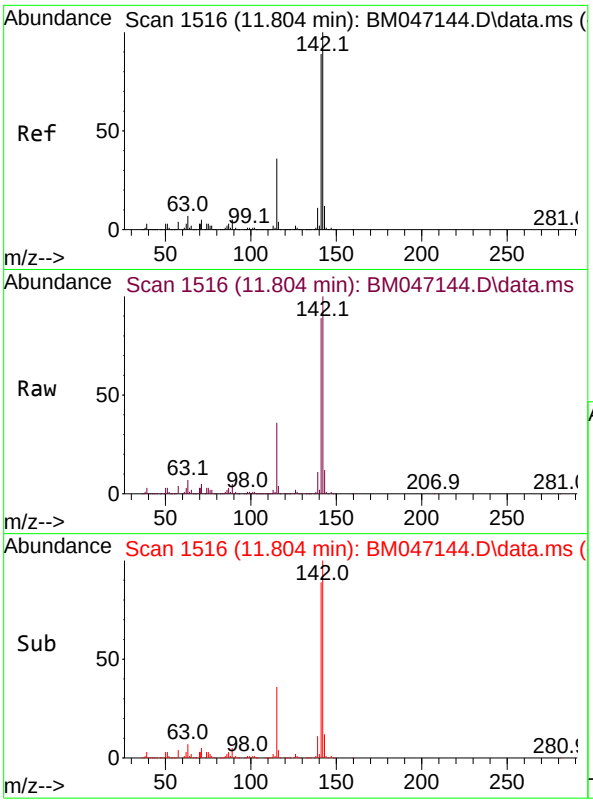


#36
4-Chloro-3-methylphenol
Concen: 39.998 ng
RT: 11.451 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



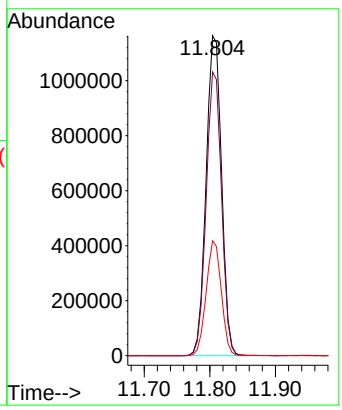


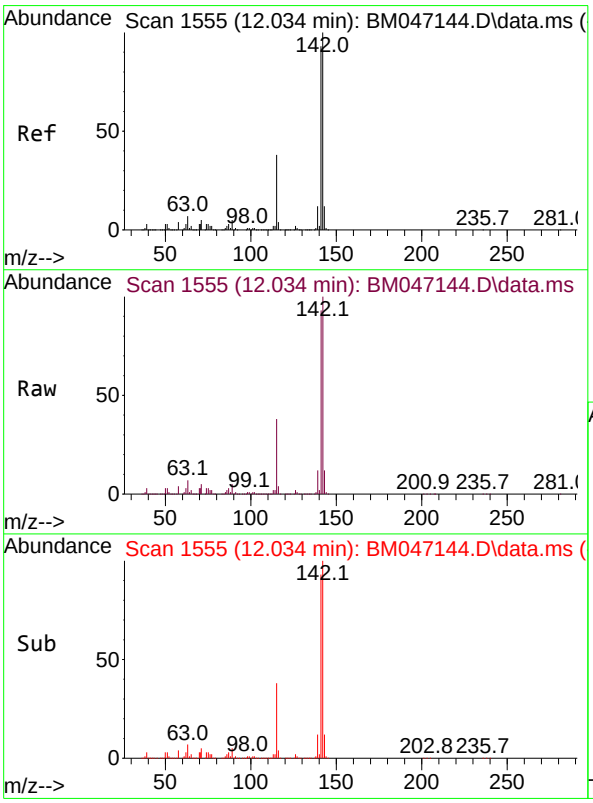
#37
2-Methylnaphthalene
Concen: 38.853 ng
RT: 11.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

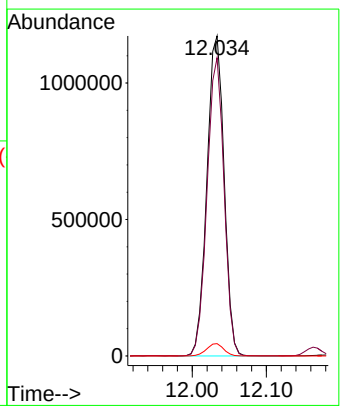


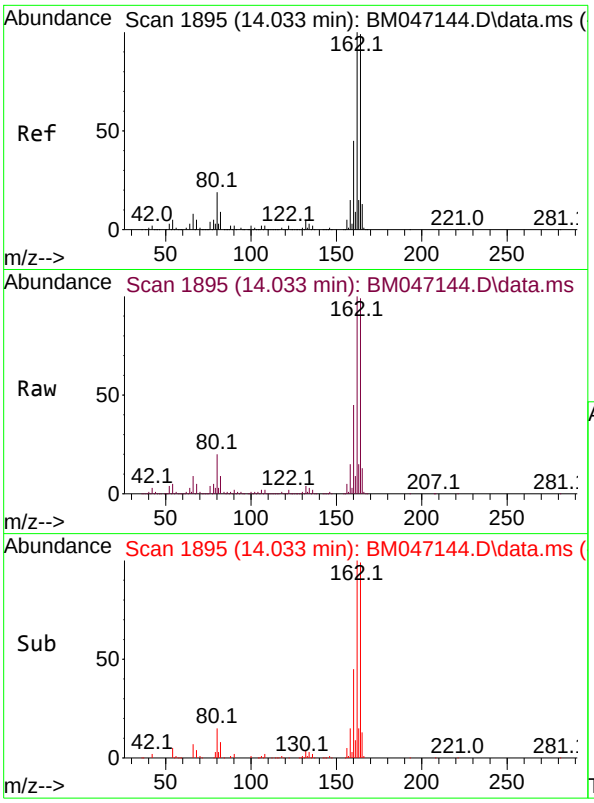


#38
1-Methylnaphthalene
Concen: 38.861 ng
RT: 12.034 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



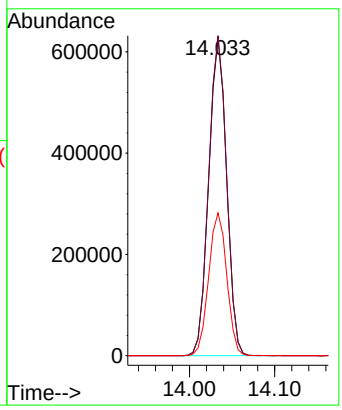


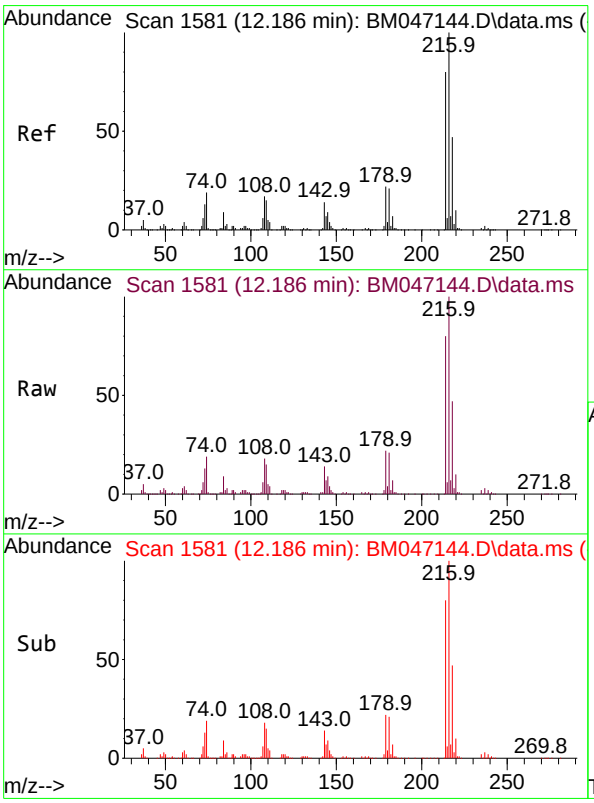
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

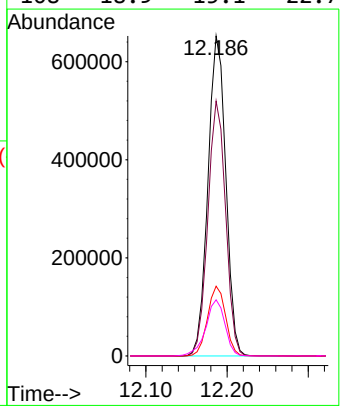


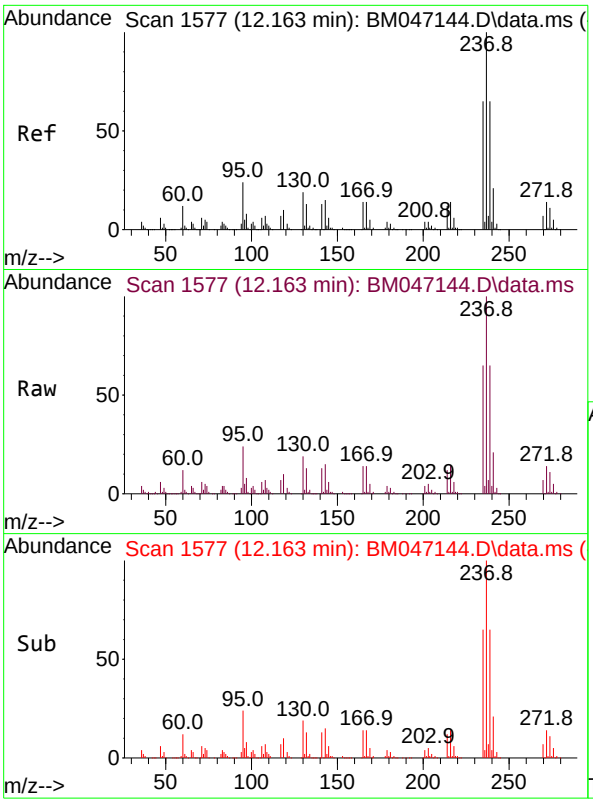


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.833 ng
RT: 12.186 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



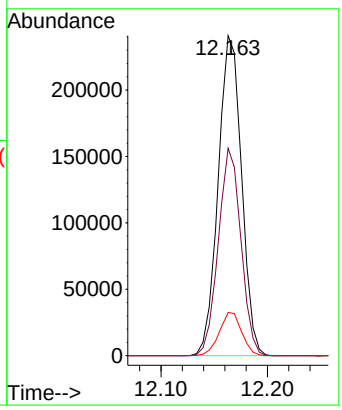


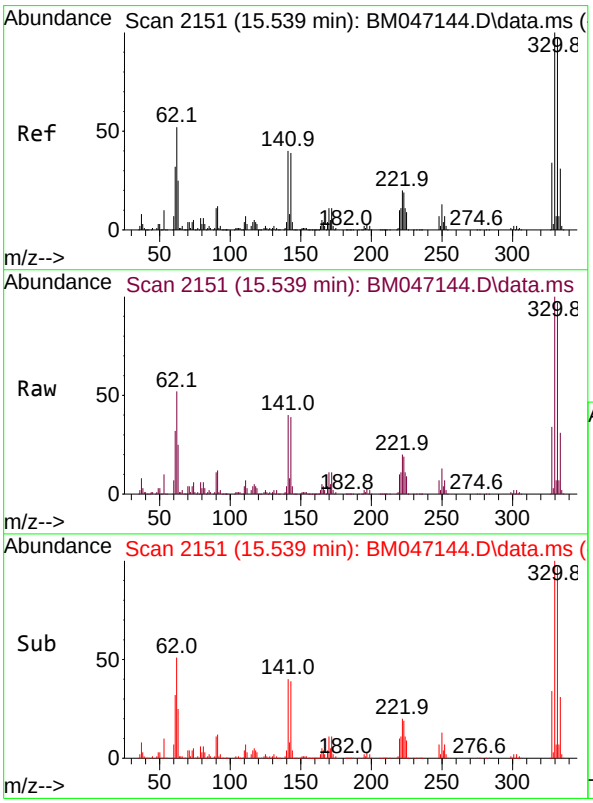
#41
Hexachlorocyclopentadiene
Concen: 42.071 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

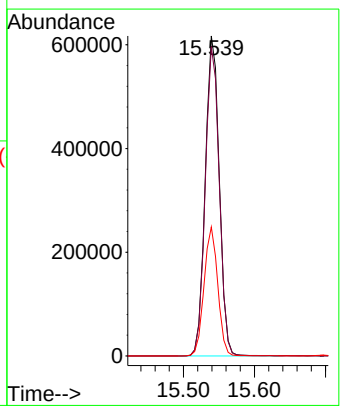


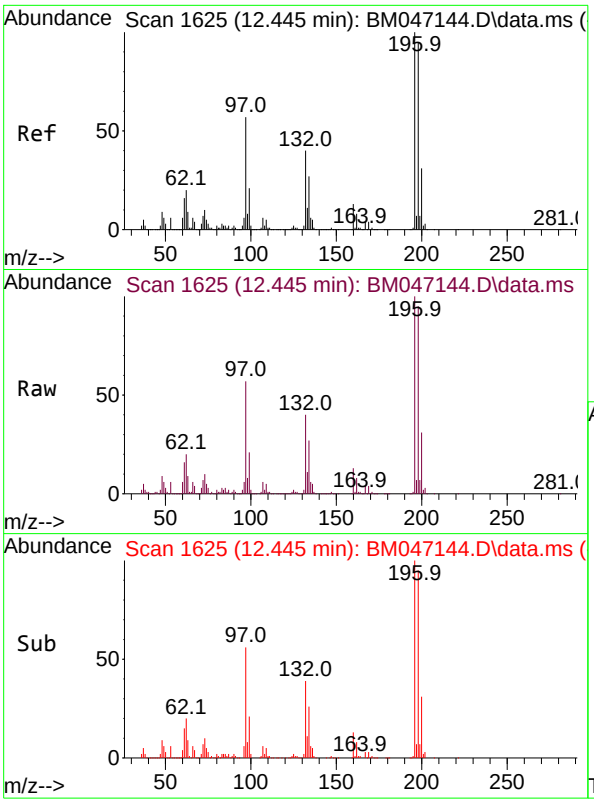


#42
2,4,6-Tribromophenol
Concen: 79.913 ng
RT: 15.539 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



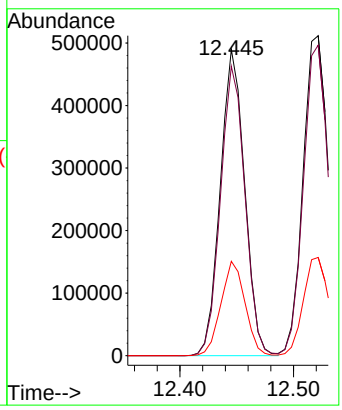


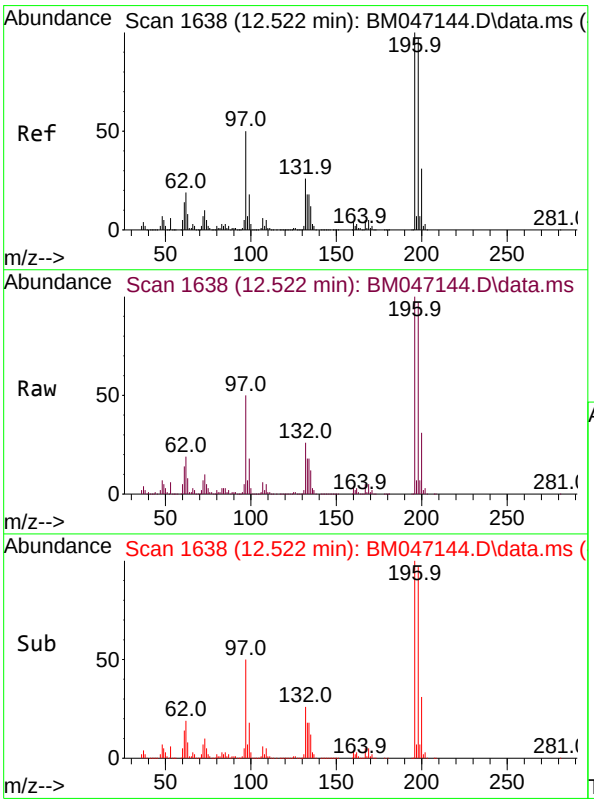
#43
2,4,6-Trichlorophenol
Concen: 41.176 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

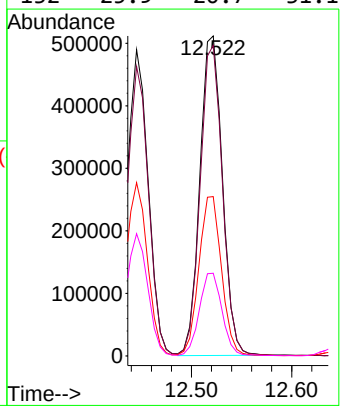


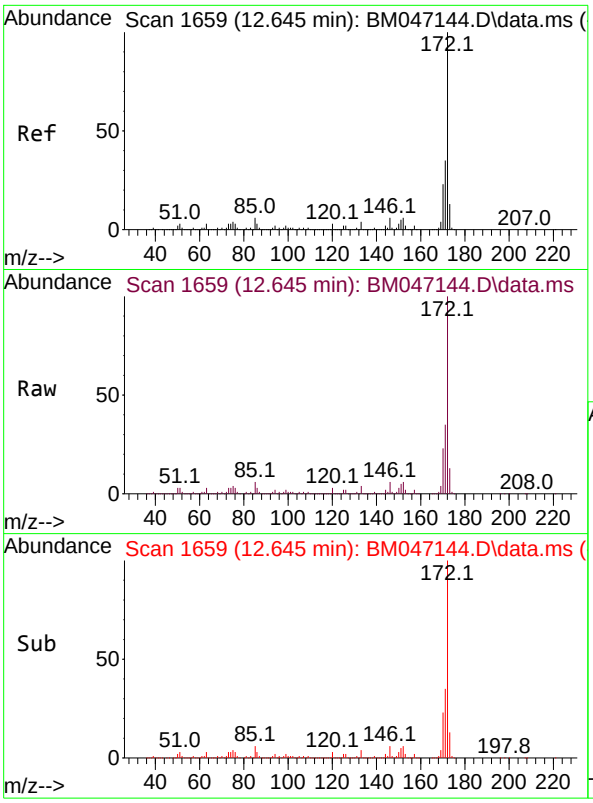


#44
2,4,5-Trichlorophenol
Concen: 40.628 ng
RT: 12.522 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



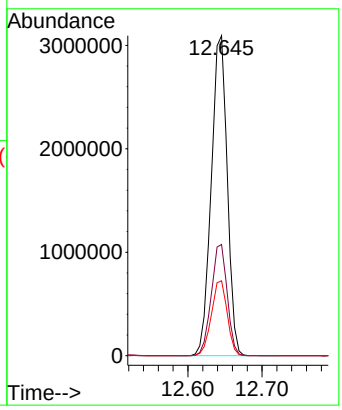


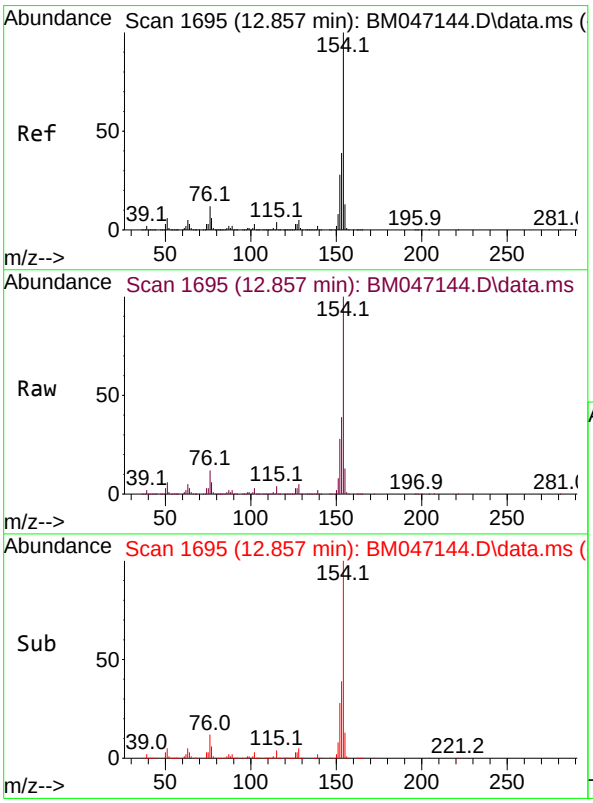
#45
2-Fluorobiphenyl
Concen: 78.021 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

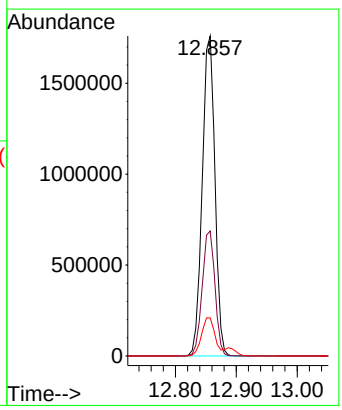


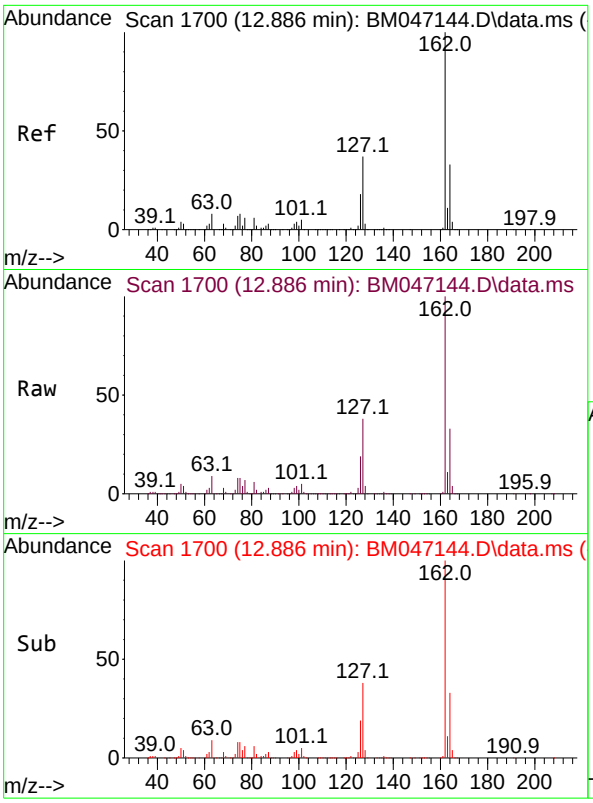


#46
1,1'-Biphenyl
Concen: 38.981 ng
RT: 12.857 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



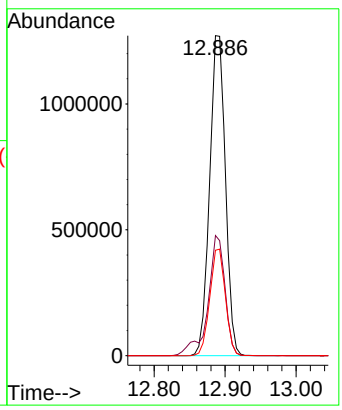


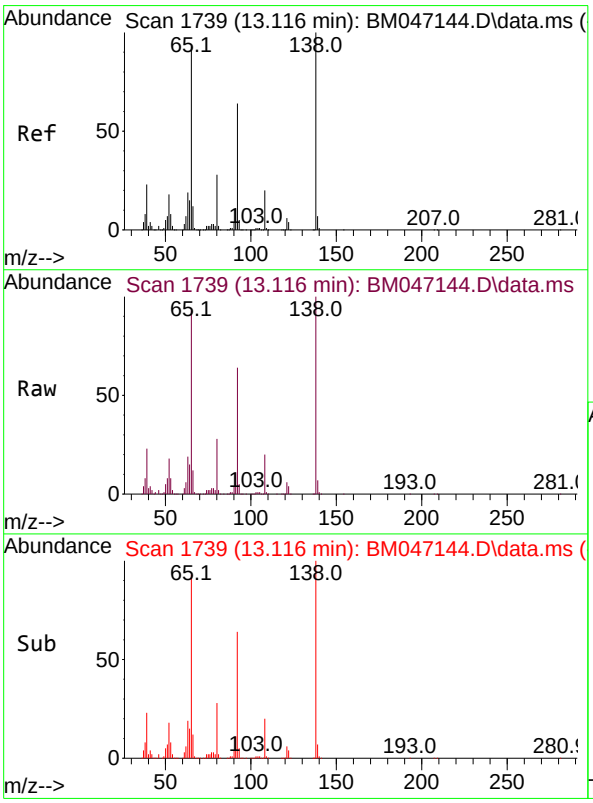
#47
2-Chloronaphthalene
Concen: 38.494 ng
RT: 12.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

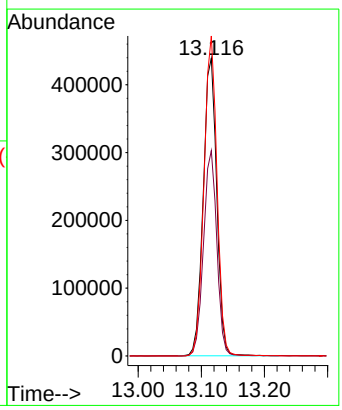


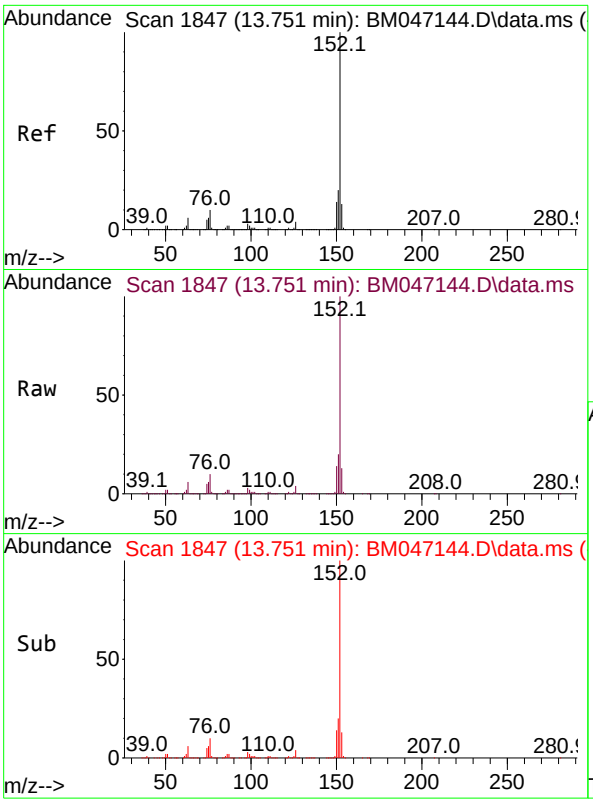


#48
2-Nitroaniline
Concen: 40.916 ng
RT: 13.116 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



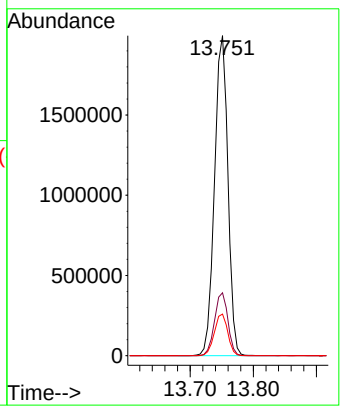


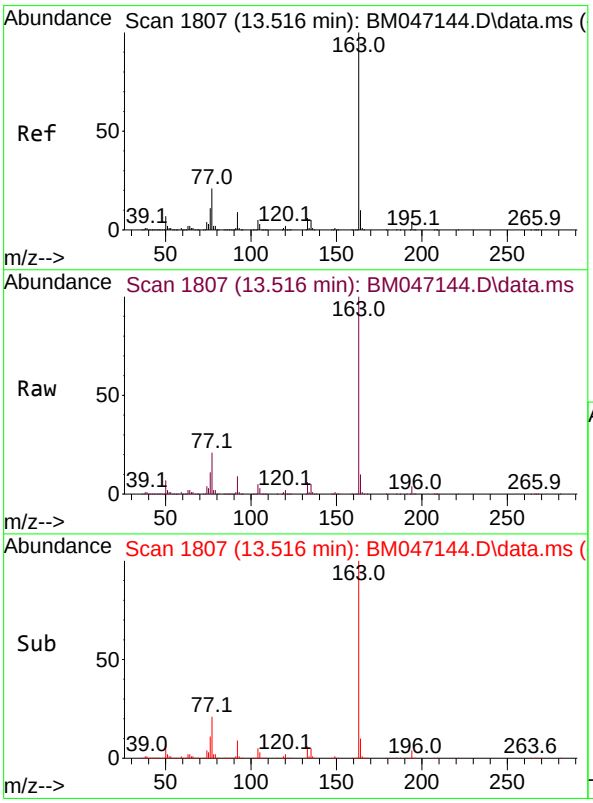
#49
Acenaphthylene
Concen: 39.060 ng
RT: 13.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

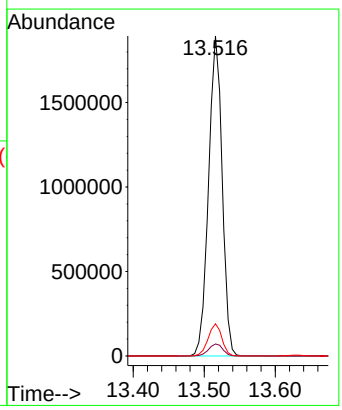


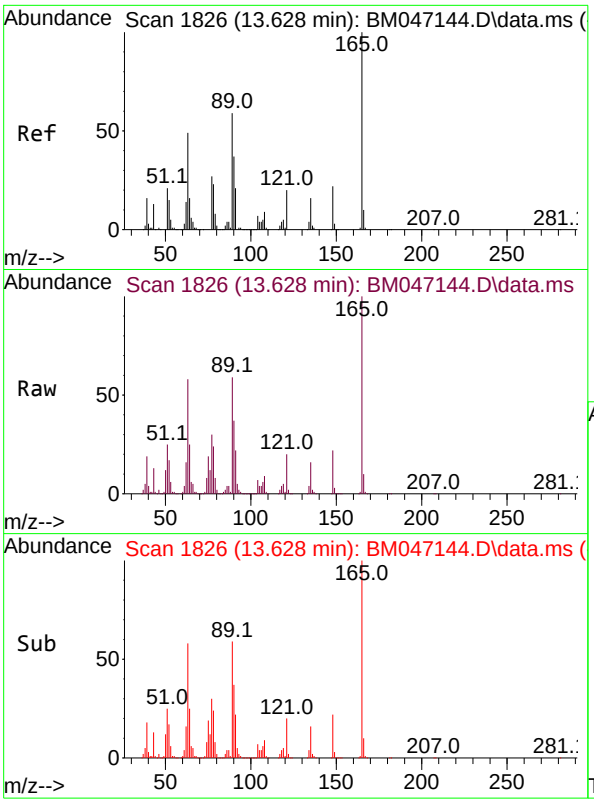


#50
Dimethylphthalate
Concen: 39.479 ng
RT: 13.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



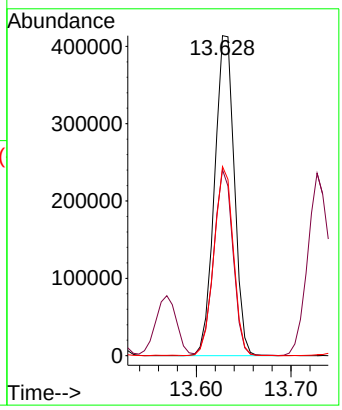


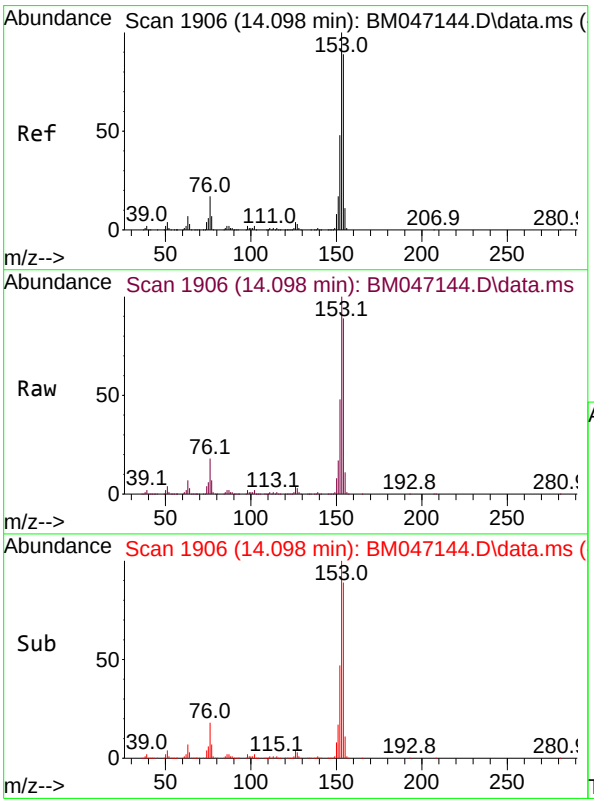
#51
2,6-Dinitrotoluene
Concen: 40.235 ng
RT: 13.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

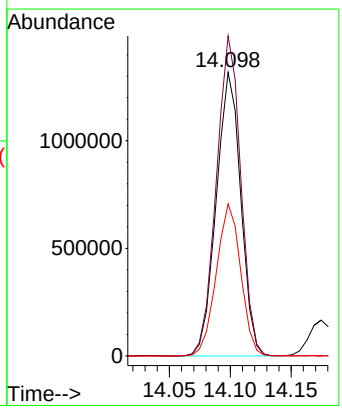


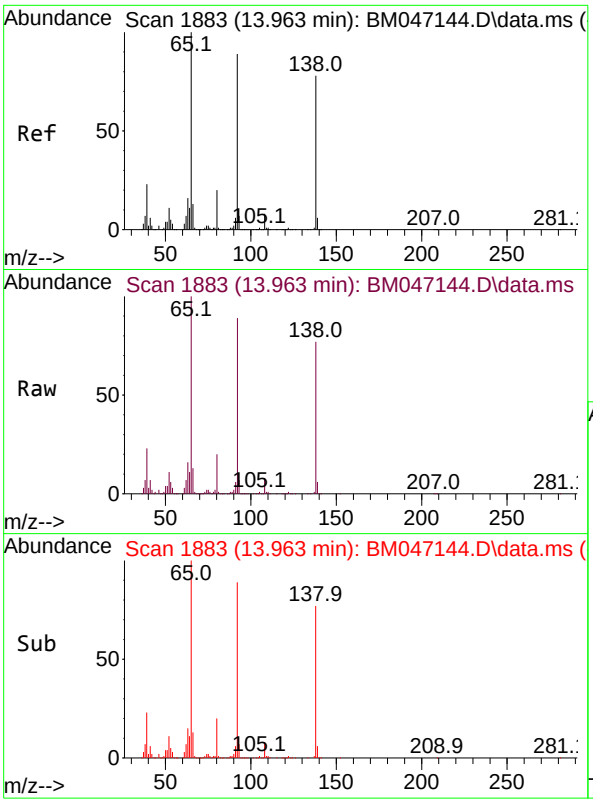


#52
Acenaphthene
Concen: 38.733 ng
RT: 14.098 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



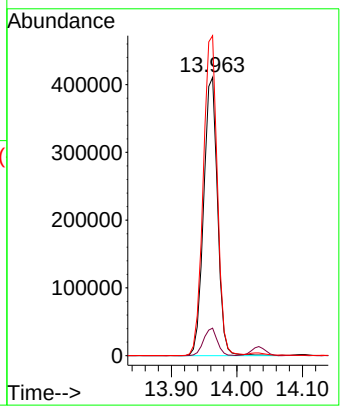


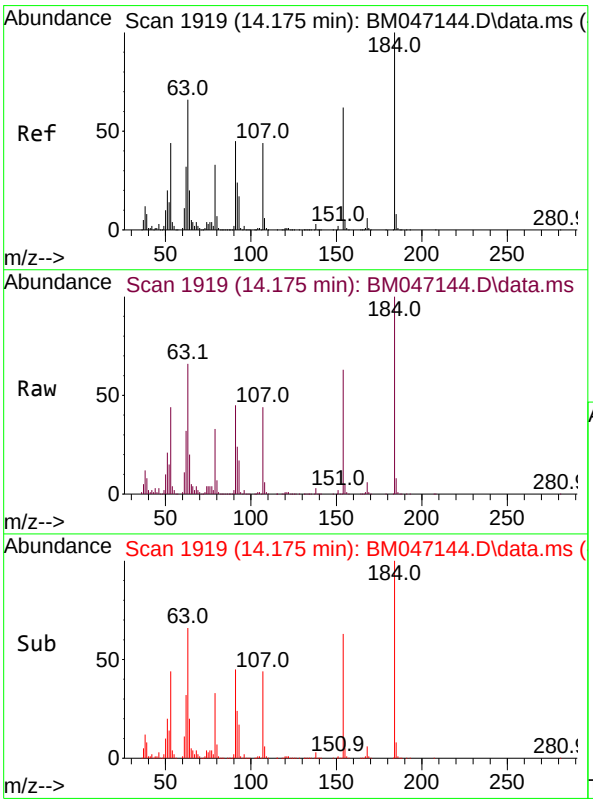
#53
3-Nitroaniline
Concen: 40.486 ng
RT: 13.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

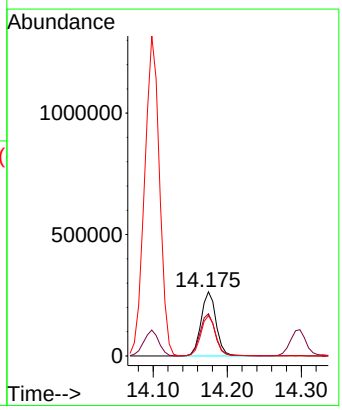


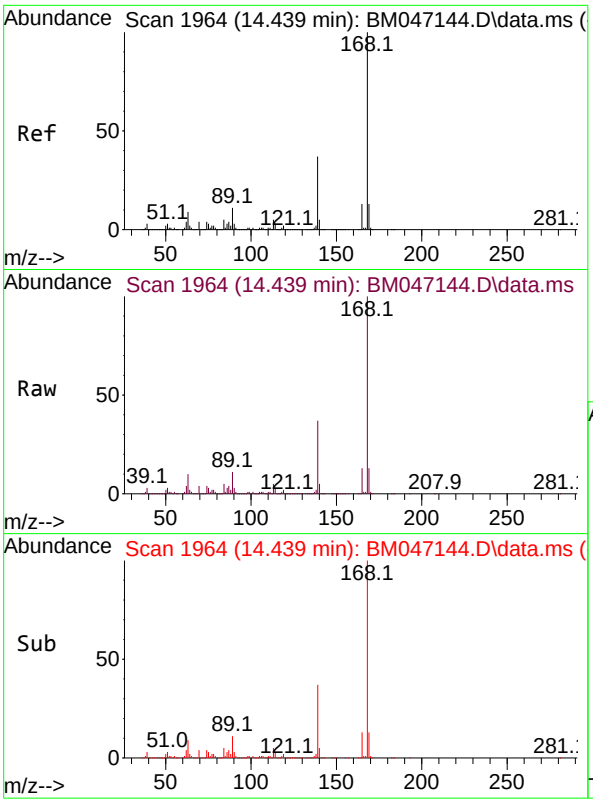


#54
2,4-Dinitrophenol
Concen: 41.679 ng
RT: 14.175 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



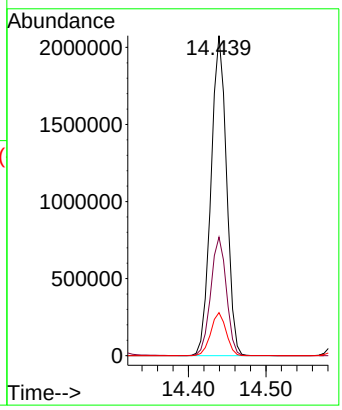


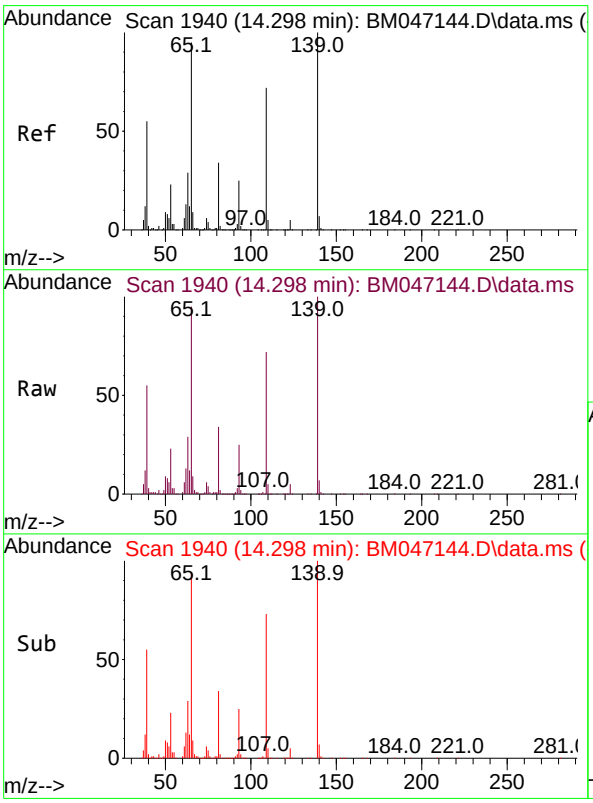
#55
Dibenzofuran
Concen: 38.434 ng
RT: 14.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

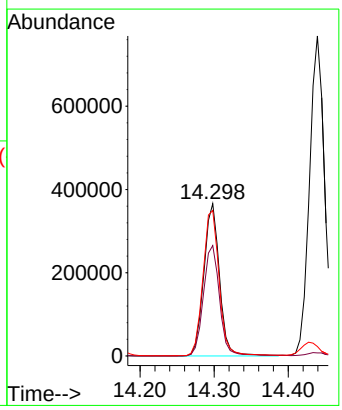


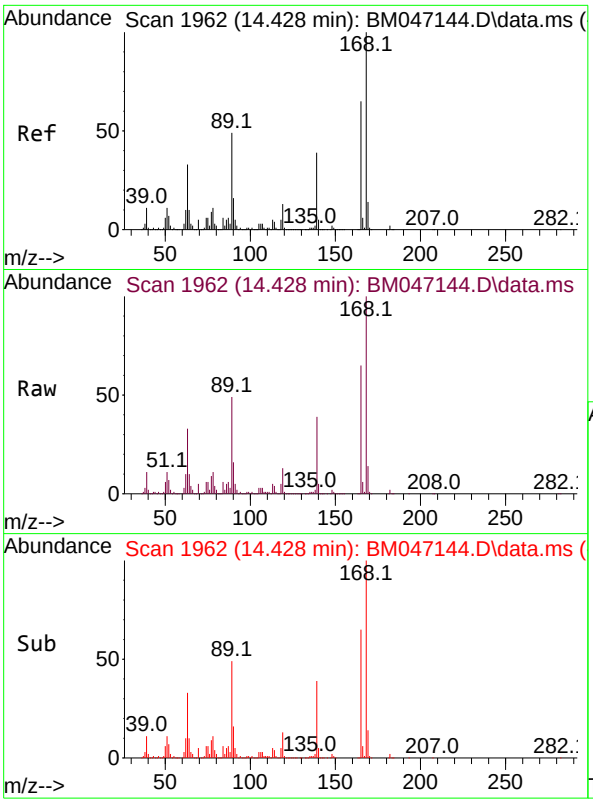


#56
4-Nitrophenol
Concen: 41.602 ng
RT: 14.298 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



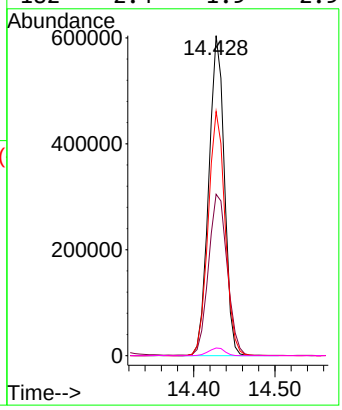


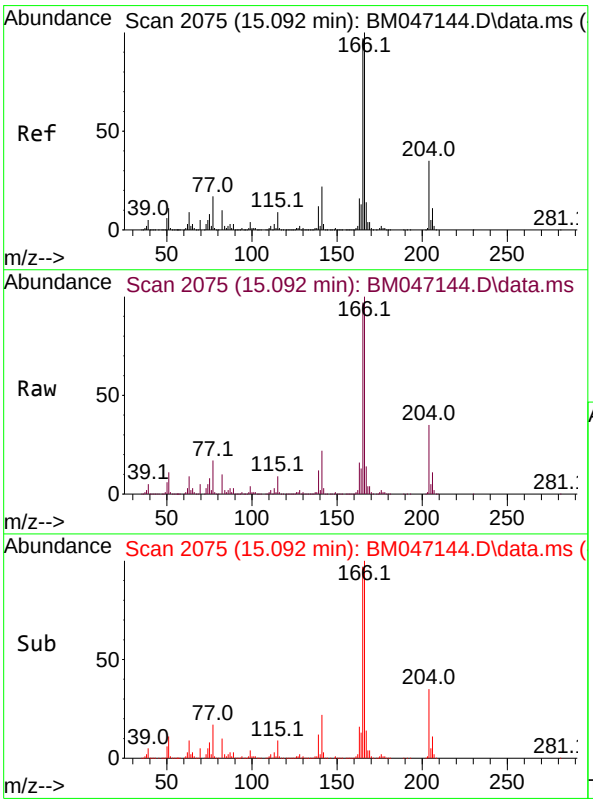
#57
2,4-Dinitrotoluene
Concen: 40.441 ng
RT: 14.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

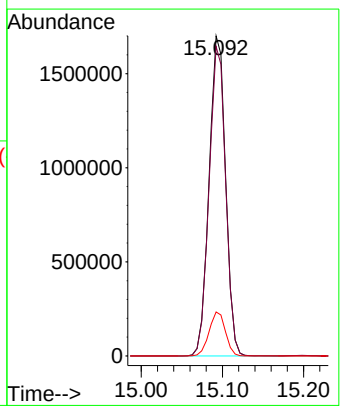


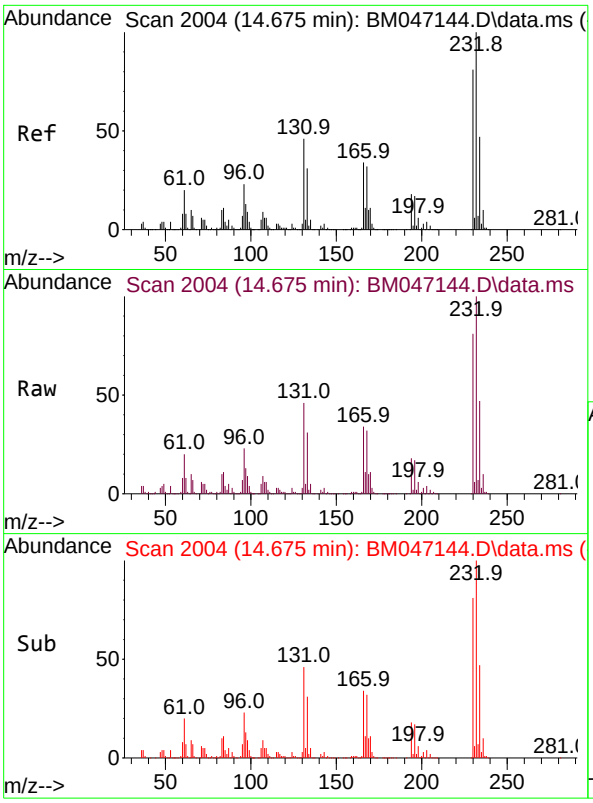


#58
Fluorene
Concen: 38.607 ng
RT: 15.092 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



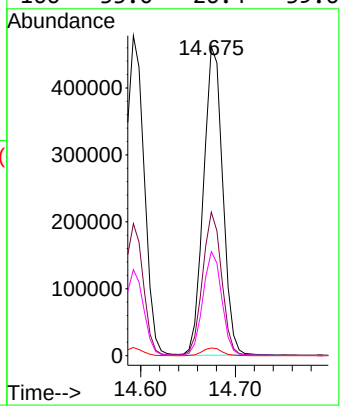


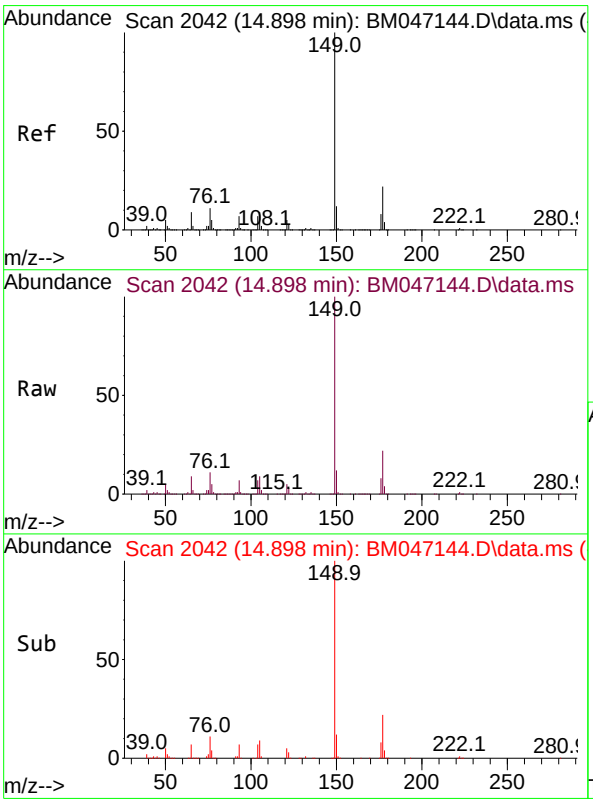
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.167 ng
RT: 14.675 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

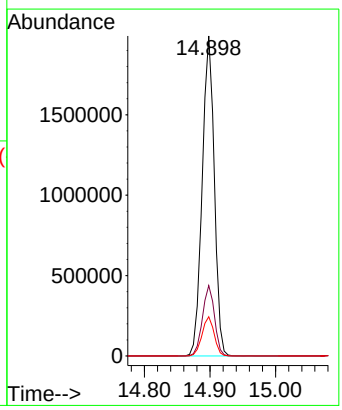


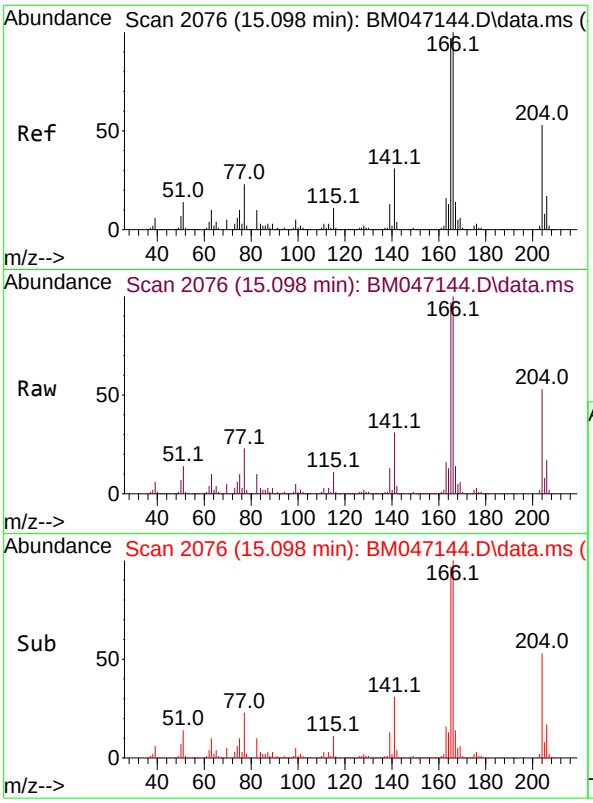


#60
Diethylphthalate
Concen: 39.196 ng
RT: 14.898 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



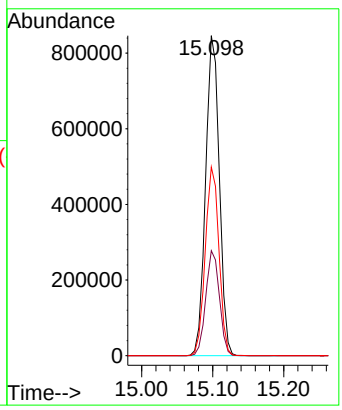


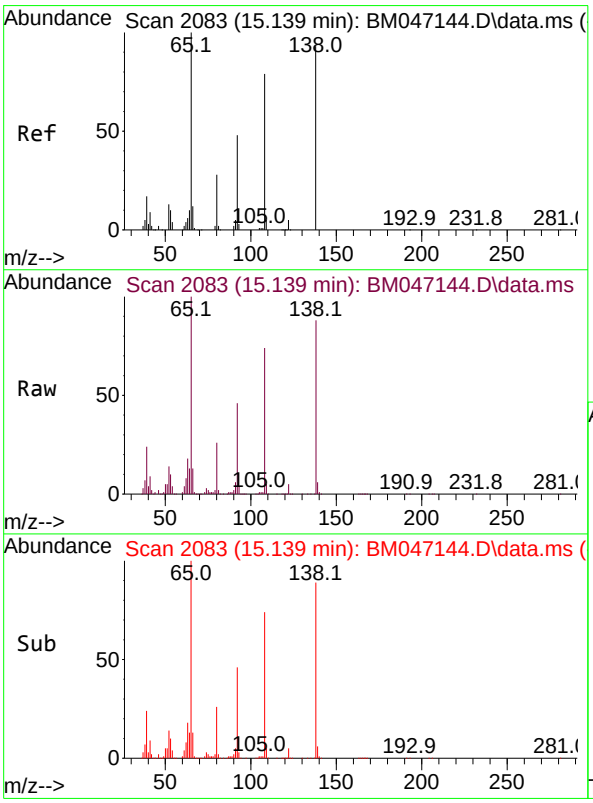
#61
4-Chlorophenyl-phenylether
Concen: 38.496 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

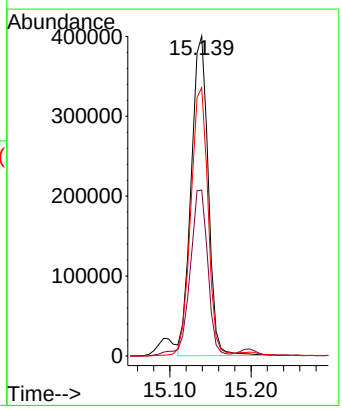


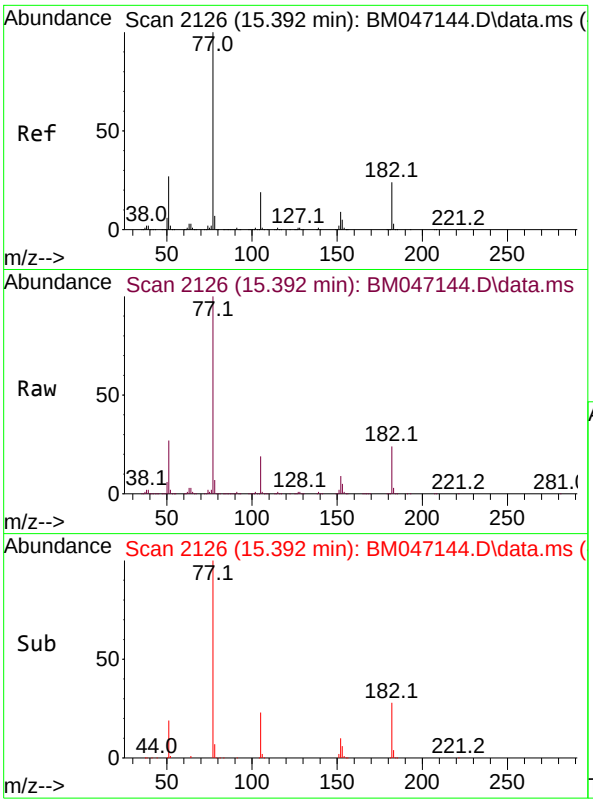


#62
4-Nitroaniline
Concen: 39.609 ng
RT: 15.139 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



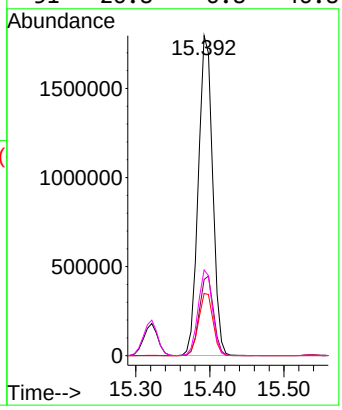


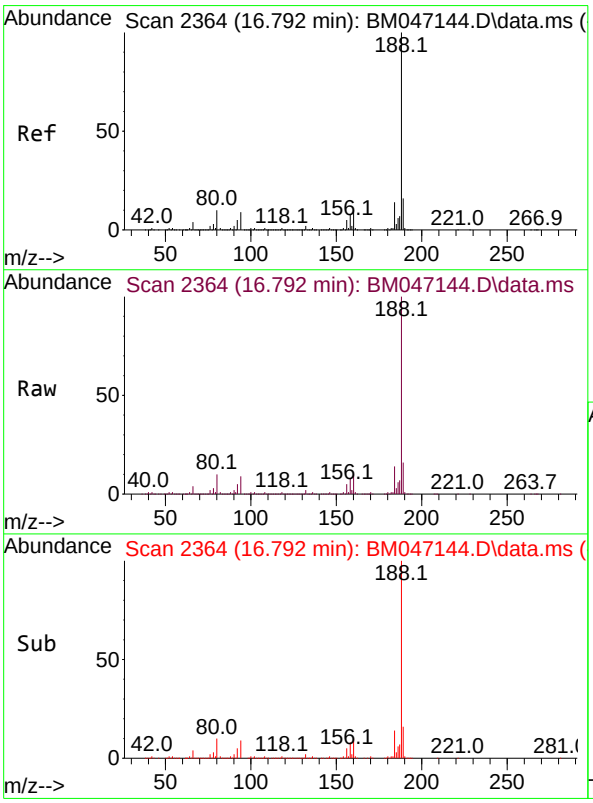
#63
Azobenzene
Concen: 38.848 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

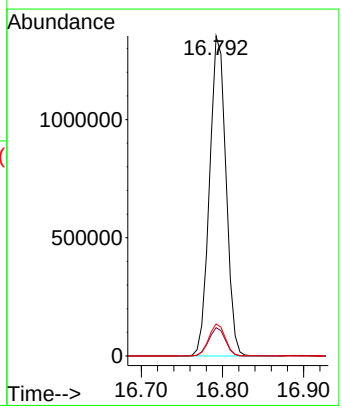


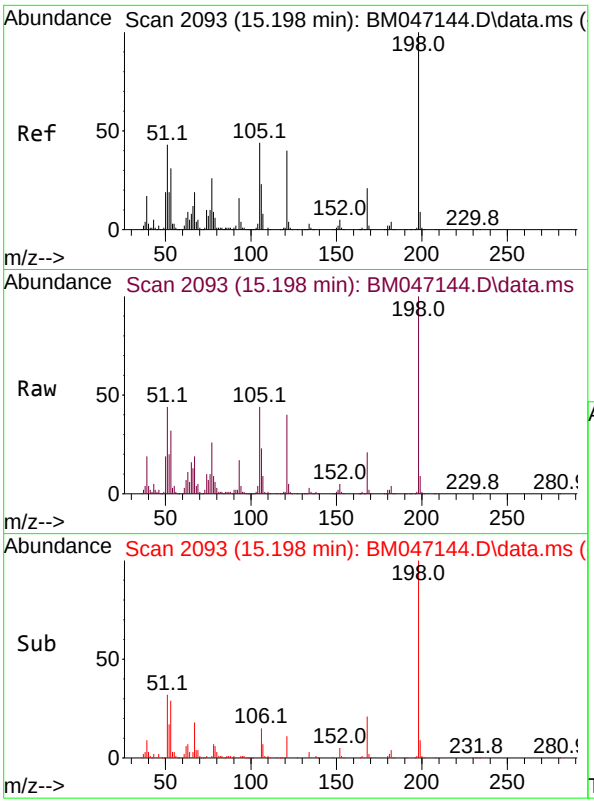


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



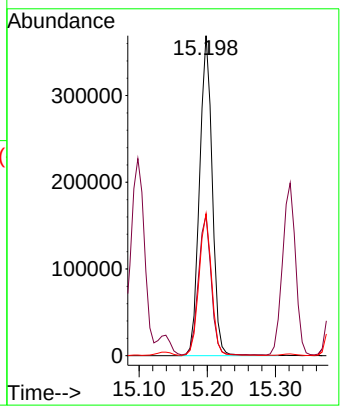


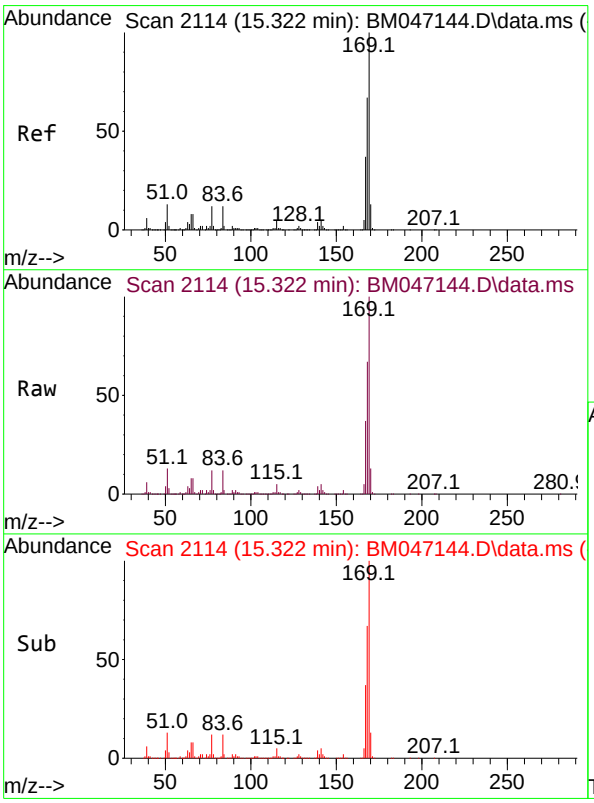
#65
4,6-Dinitro-2-methylphenol
Concen: 42.835 ng
RT: 15.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

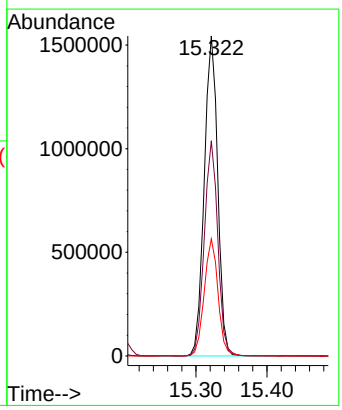


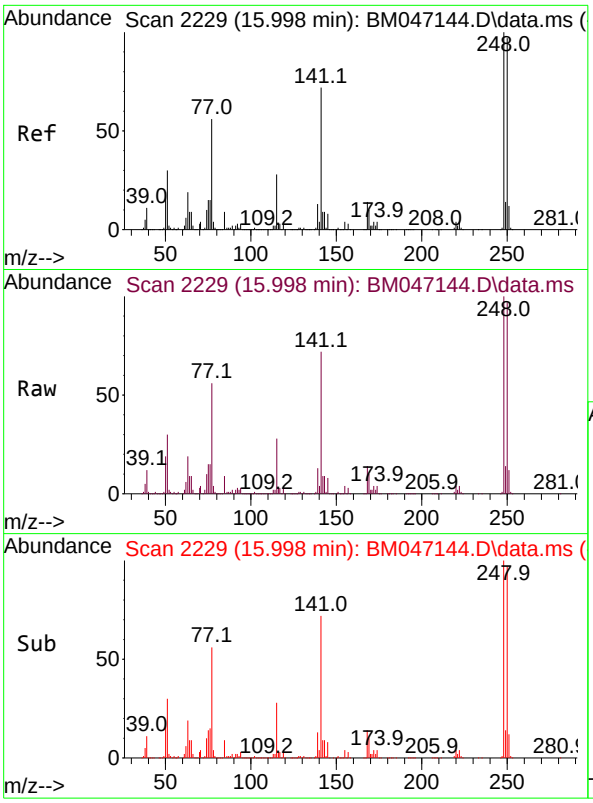


#66
n-Nitrosodiphenylamine
Concen: 39.377 ng
RT: 15.322 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



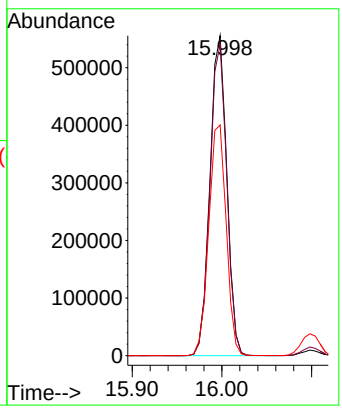


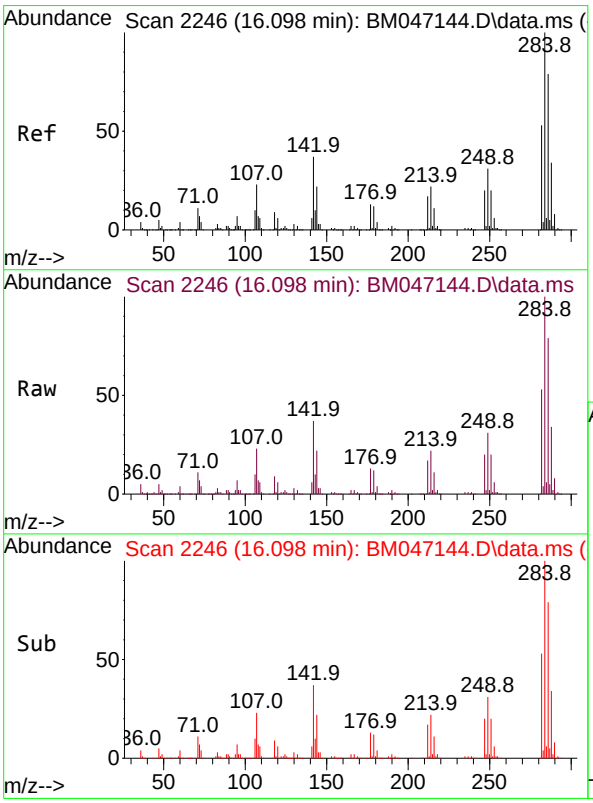
#67
4-Bromophenyl-phenylether
Concen: 39.608 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

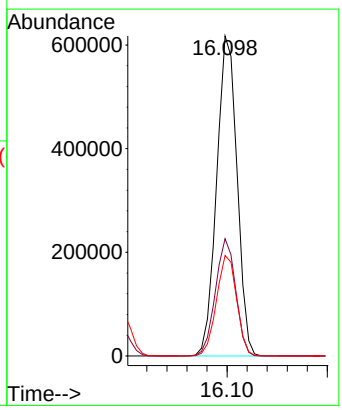


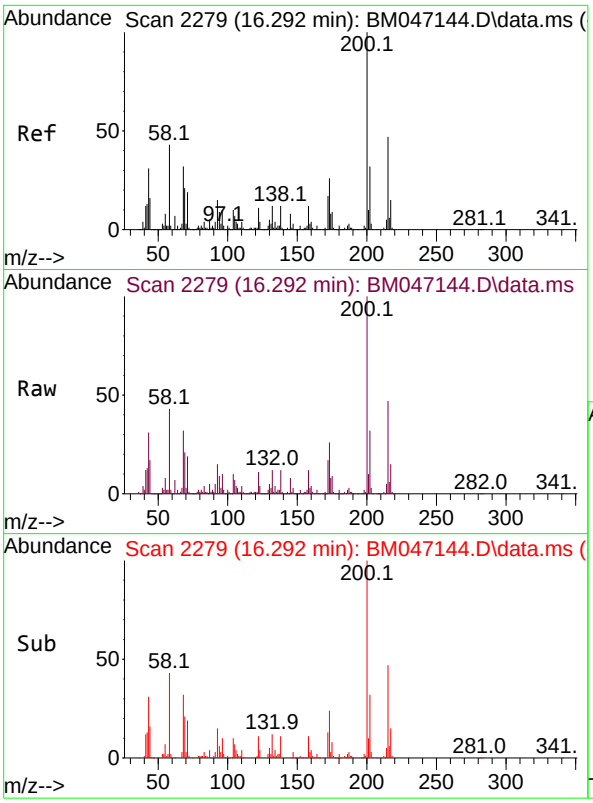


#68
Hexachlorobenzene
Concen: 39.667 ng
RT: 16.098 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



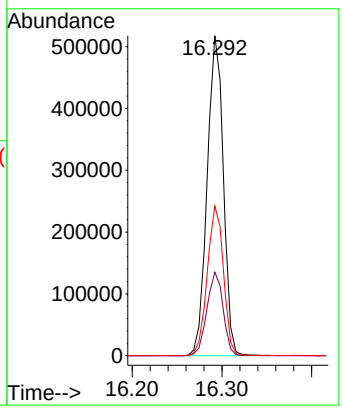


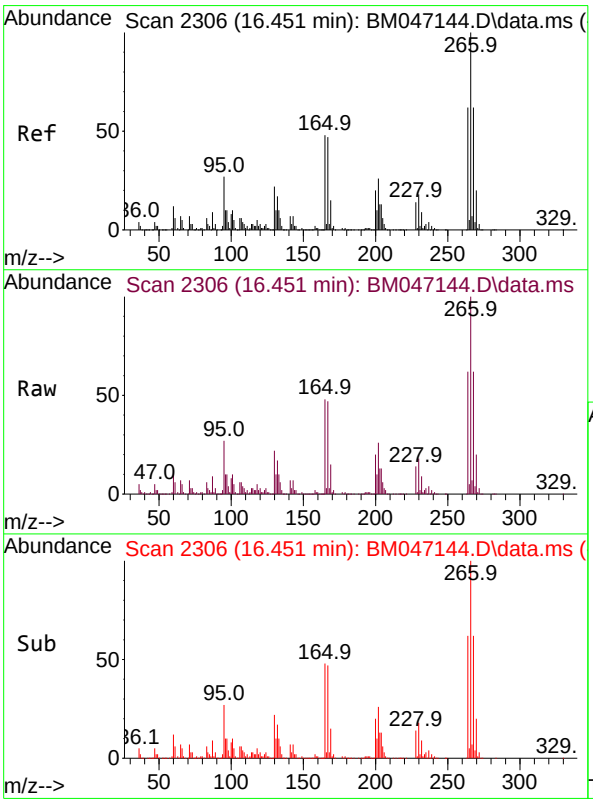
#69
Atrazine
Concen: 41.597 ng
RT: 16.292 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

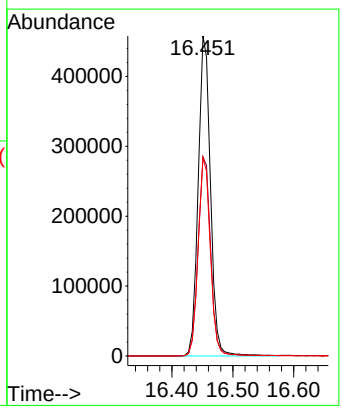


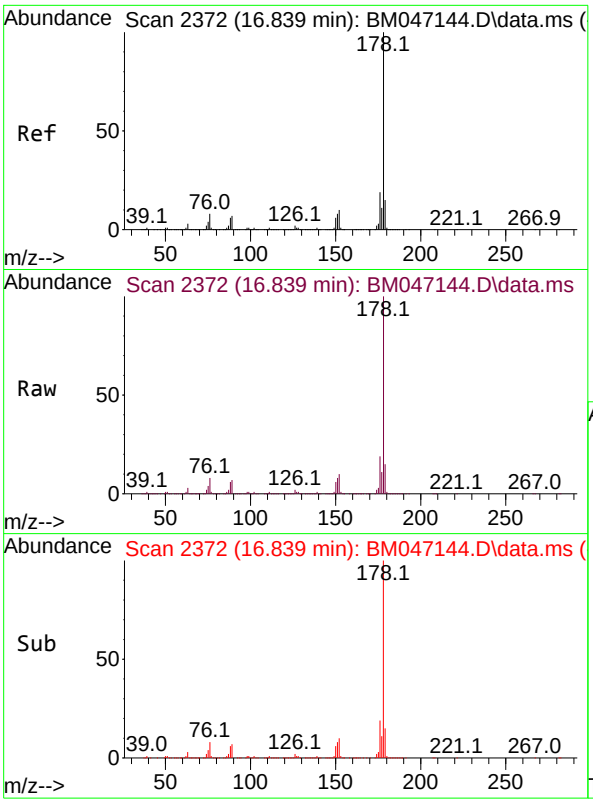


#70
Pentachlorophenol
Concen: 41.480 ng
RT: 16.451 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



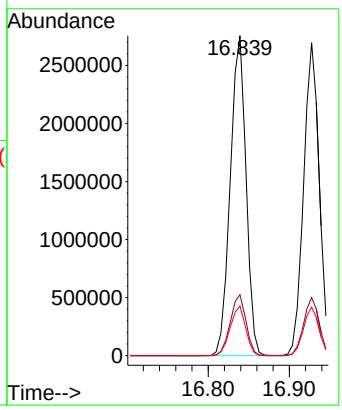


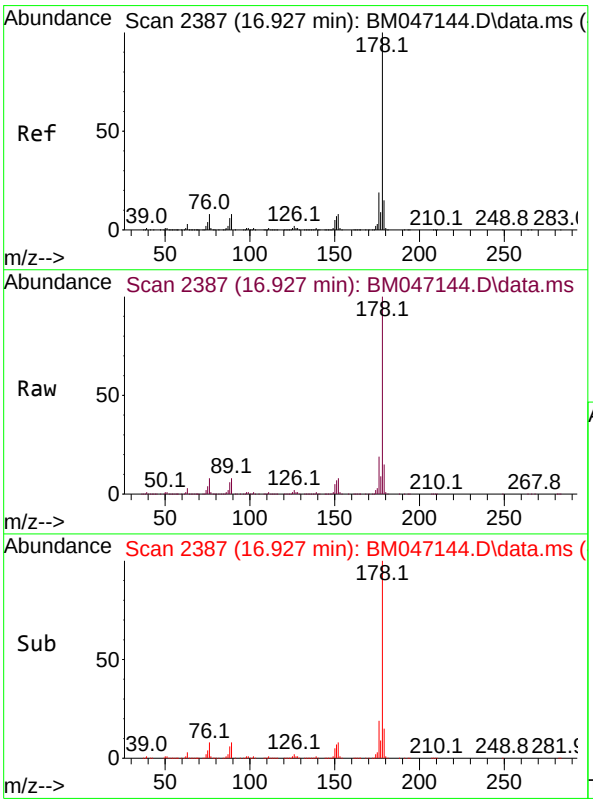
#71
Phenanthrene
Concen: 38.901 ng
RT: 16.839 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

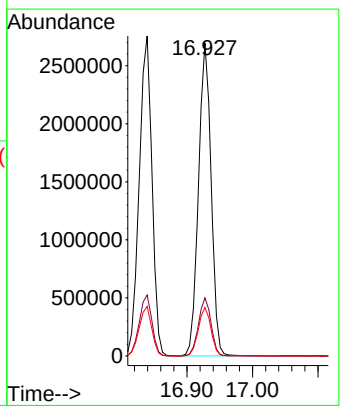


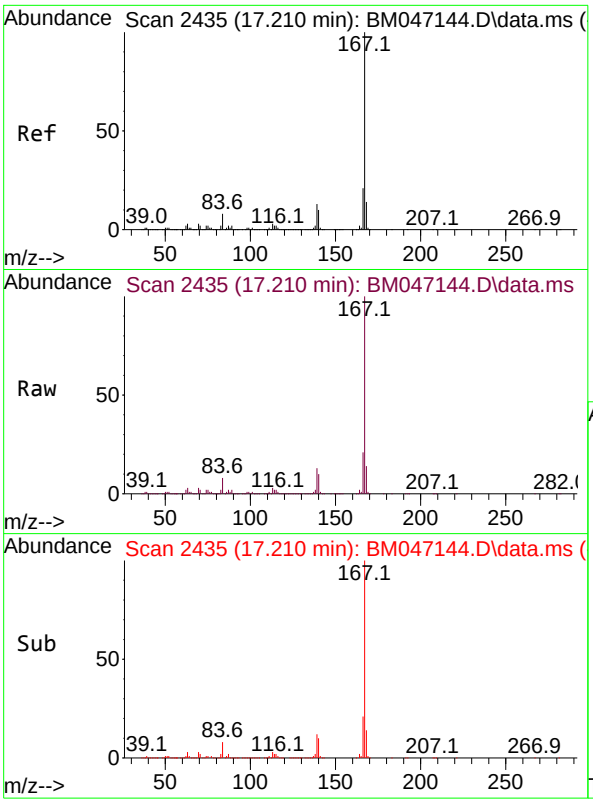


#72
Anthracene
Concen: 39.024 ng
RT: 16.927 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



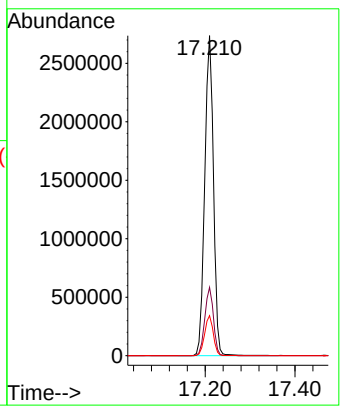


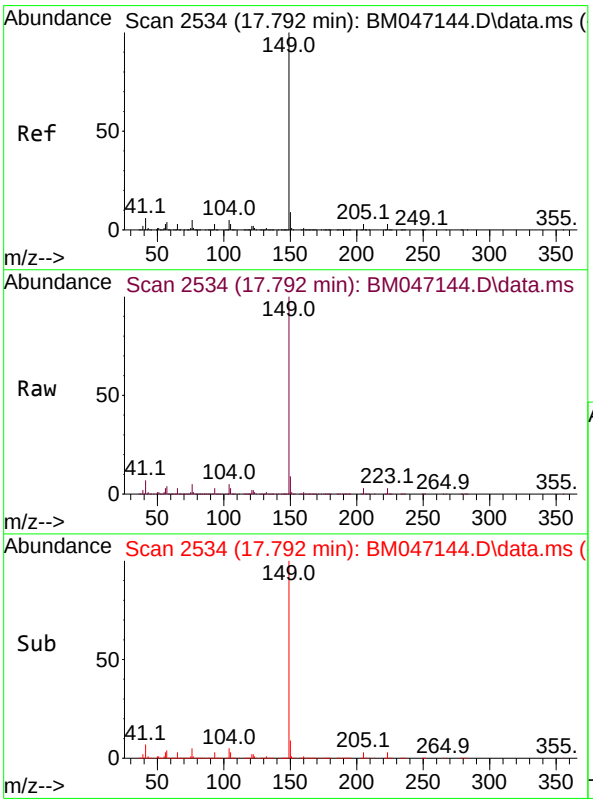
#73
Carbazole
Concen: 38.952 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

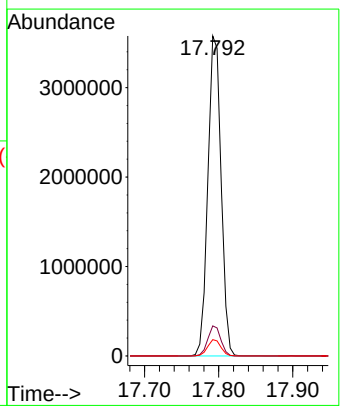


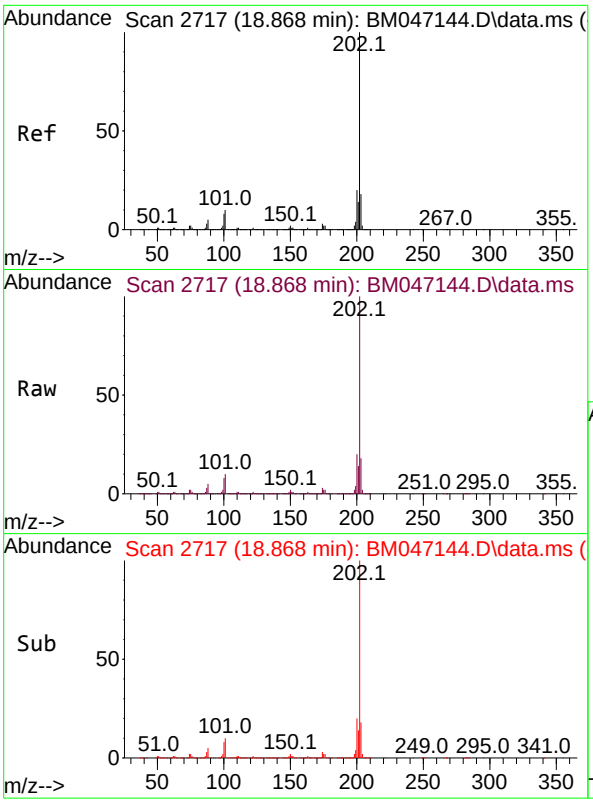


#74
Di-n-butylphthalate
Concen: 40.165 ng
RT: 17.792 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



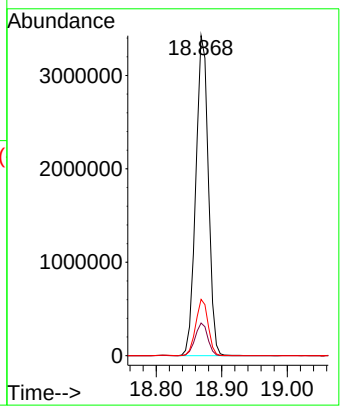


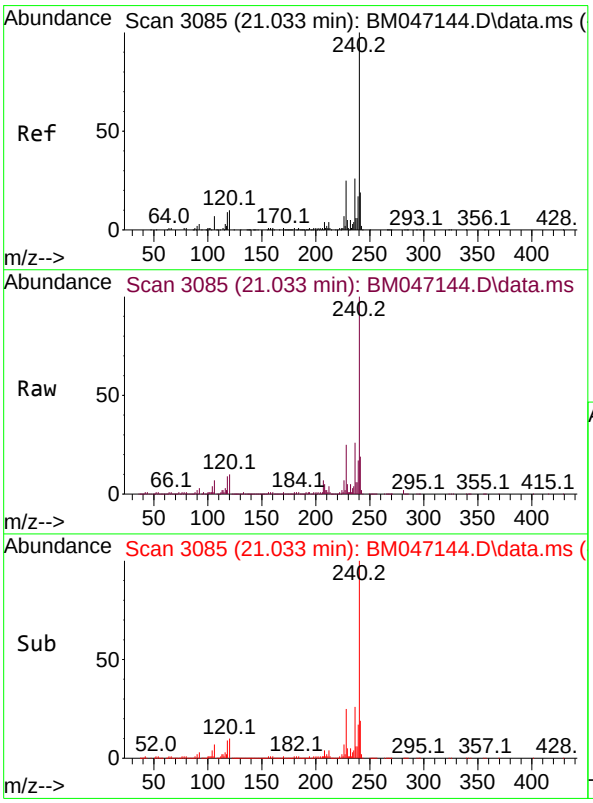
#75
Fluoranthene
Concen: 39.279 ng
RT: 18.868 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

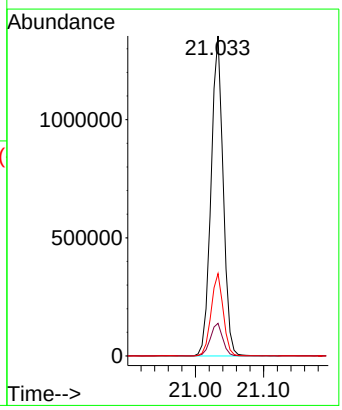


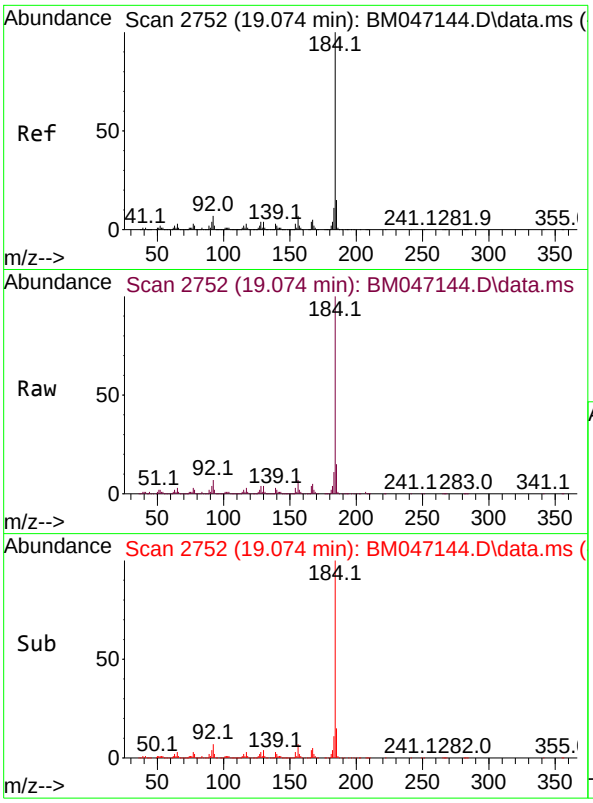


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



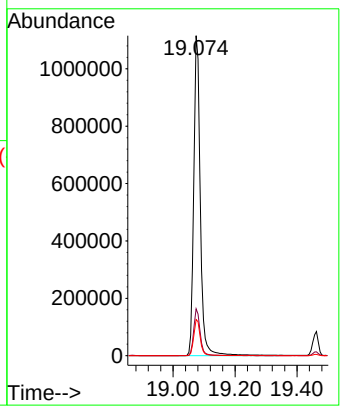


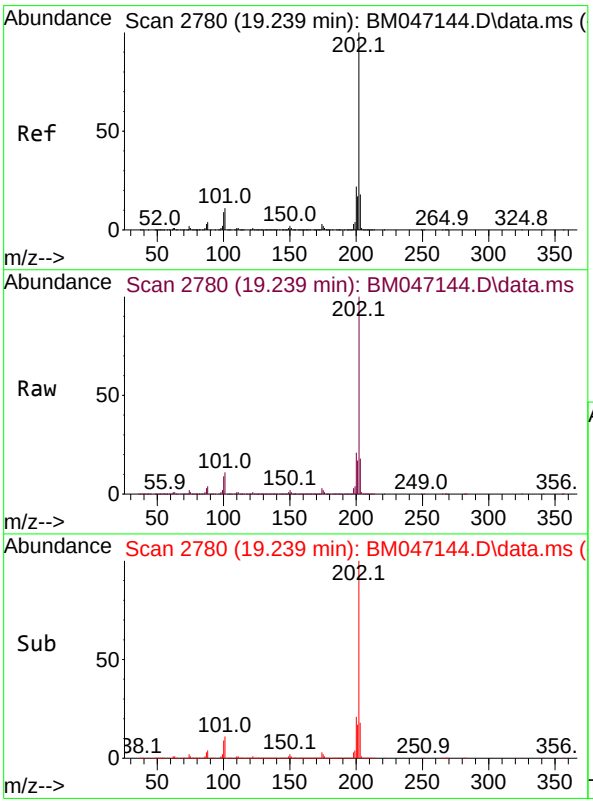
#77
Benzidine
Concen: 57.629 ng
RT: 19.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

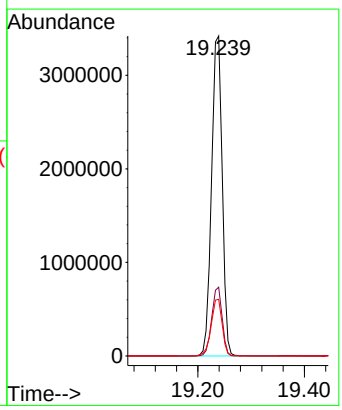


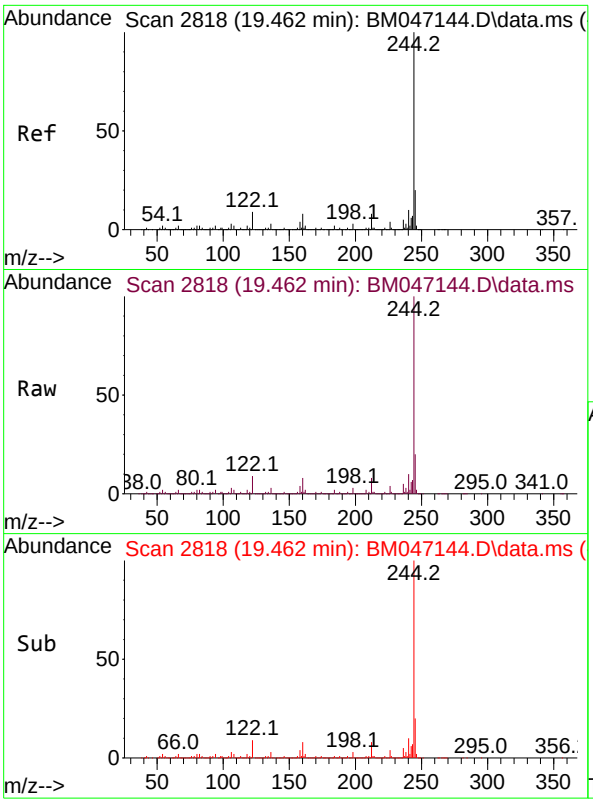


#78
Pyrene
Concen: 39.909 ng
RT: 19.239 min Scan# 2780
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



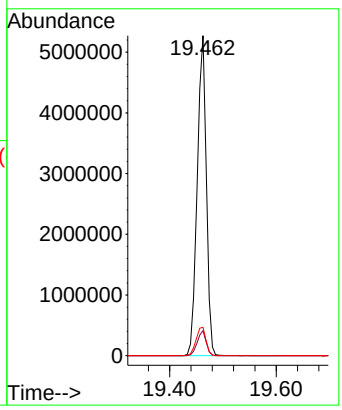


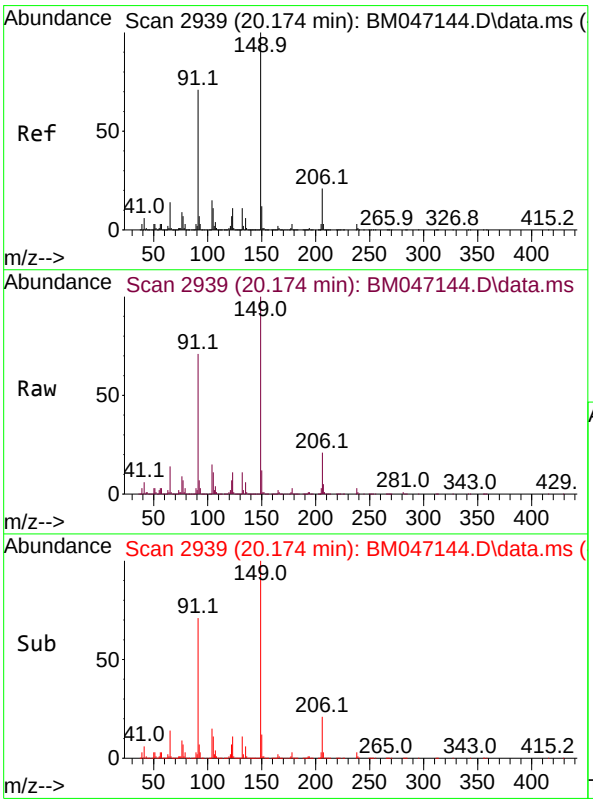
#79
Terphenyl-d14
Concen: 80.275 ng
RT: 19.462 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

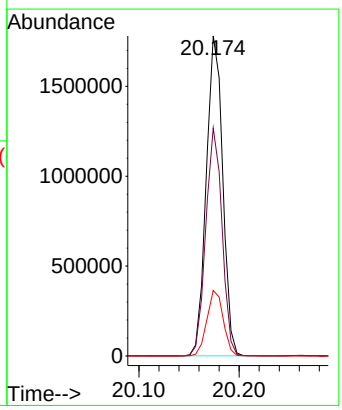


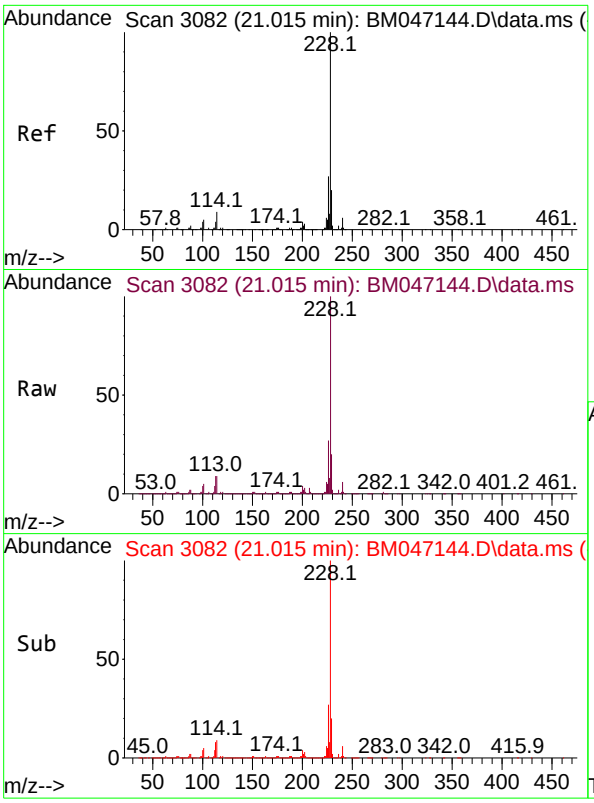


#80
Butylbenzylphthalate
Concen: 41.719 ng
RT: 20.174 min Scan# 2939
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



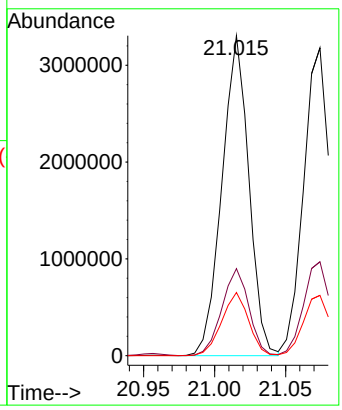


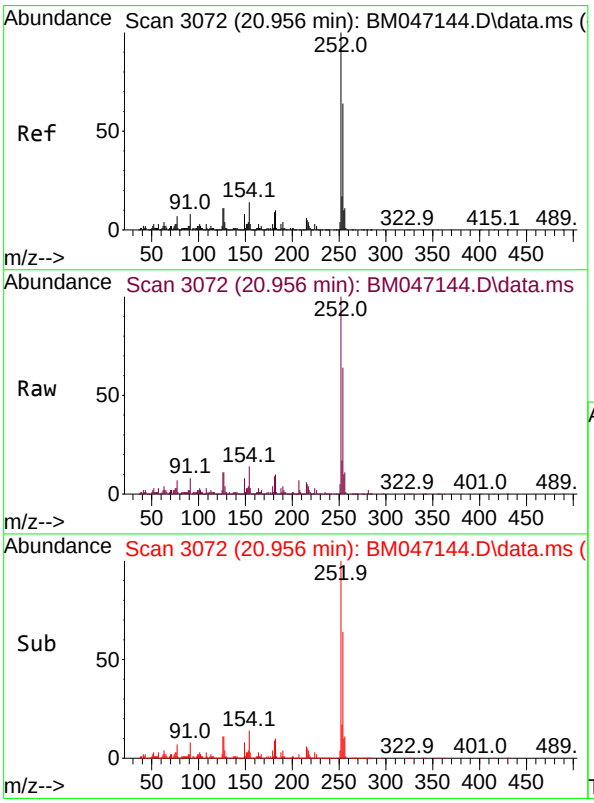
#81
Benzo(a)anthracene
Concen: 39.170 ng
RT: 21.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

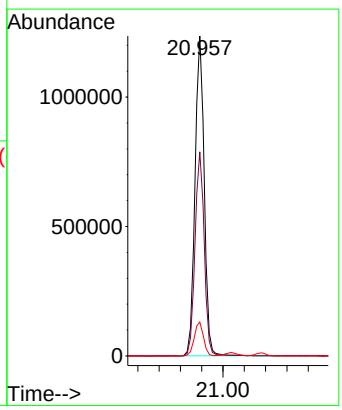


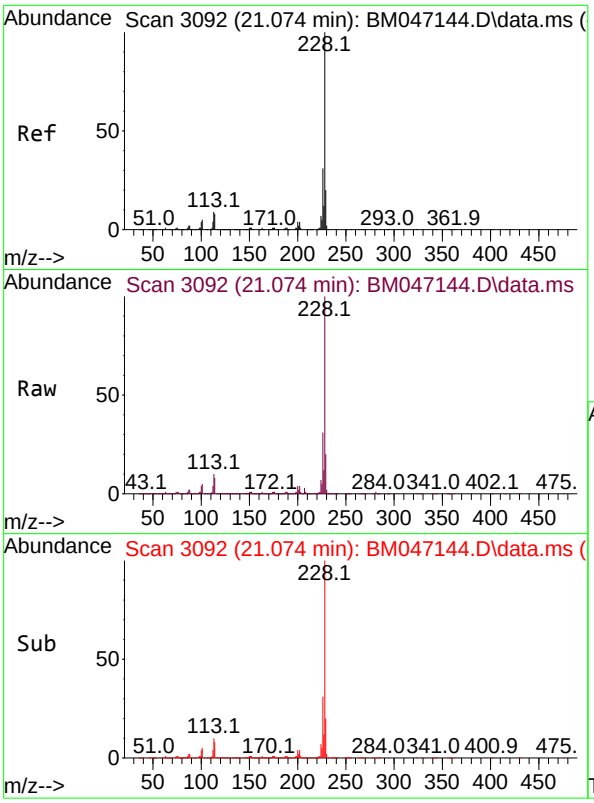


#82
3,3'-Dichlorobenzidine
Concen: 42.667 ng
RT: 20.956 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



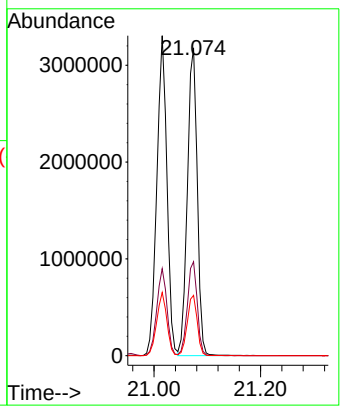


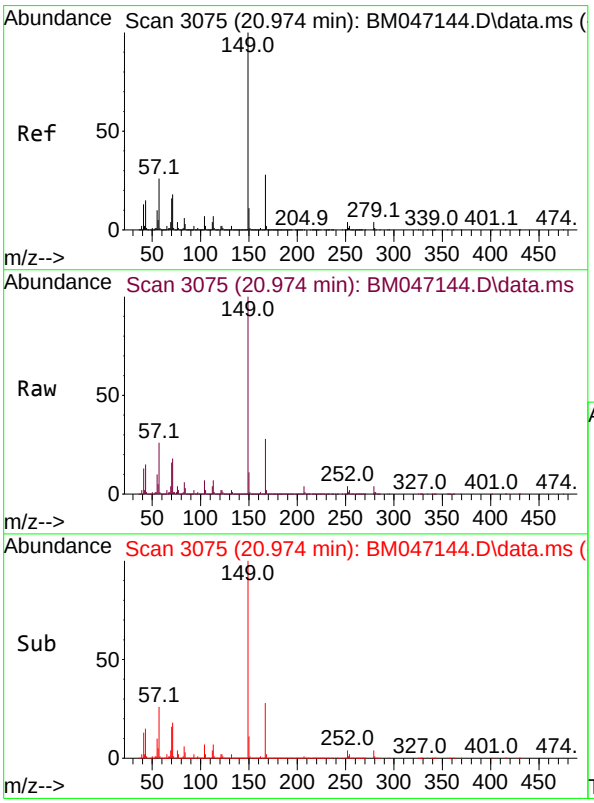
#83
Chrysene
Concen: 38.858 ng
RT: 21.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

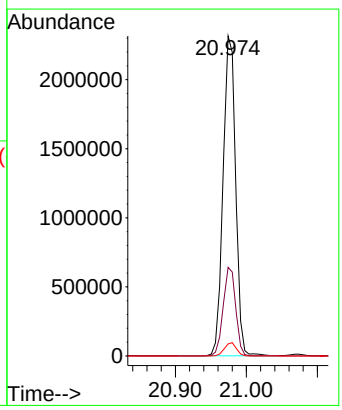


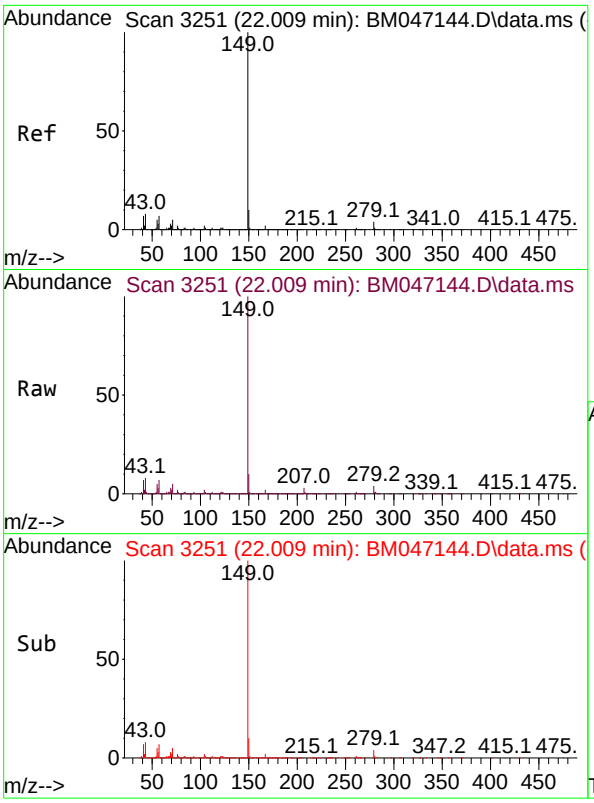


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.891 ng
RT: 20.974 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



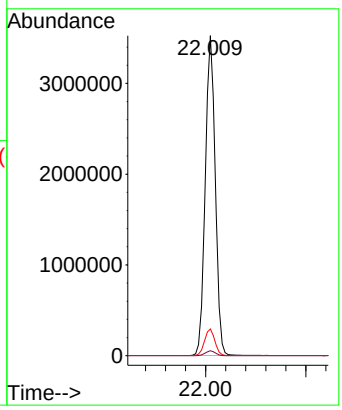


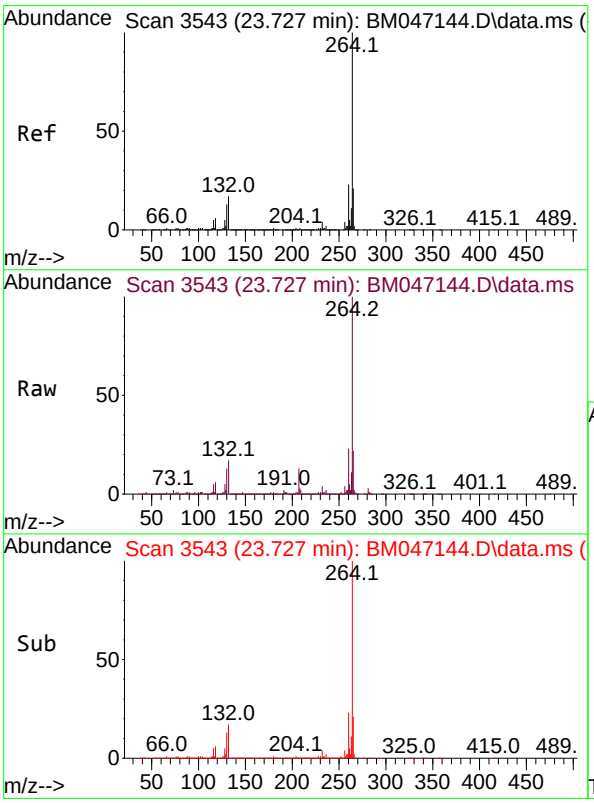
#85
Di-n-octyl phthalate
Concen: 41.489 ng
RT: 22.009 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

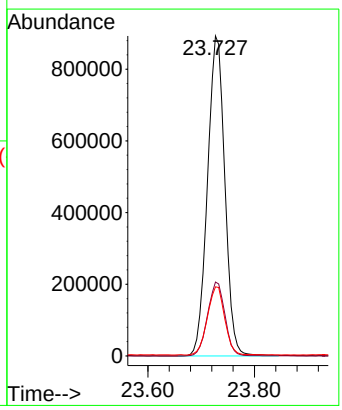


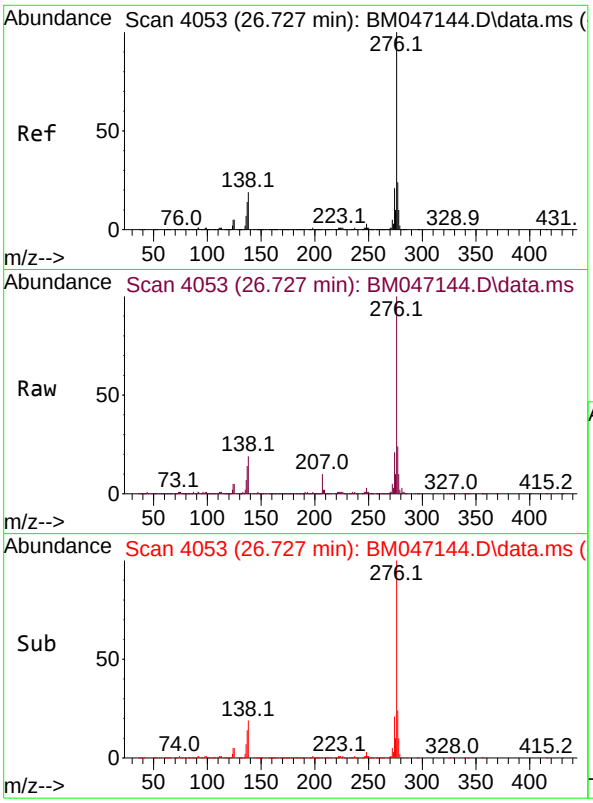


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



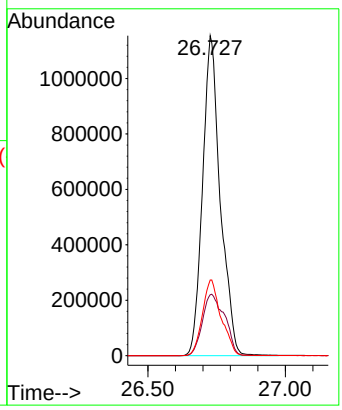


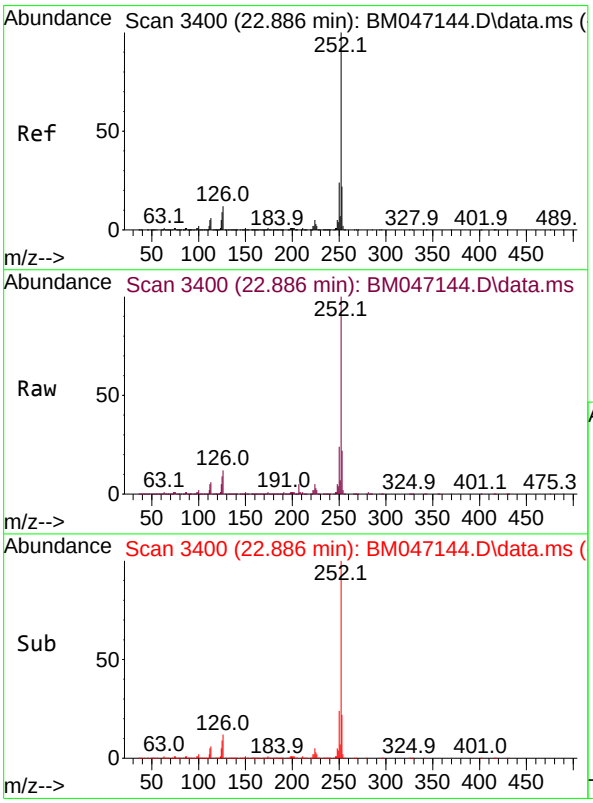
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.586 ng
RT: 26.727 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

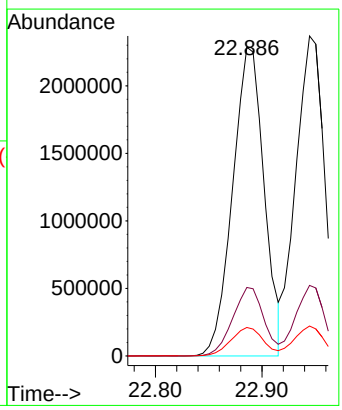


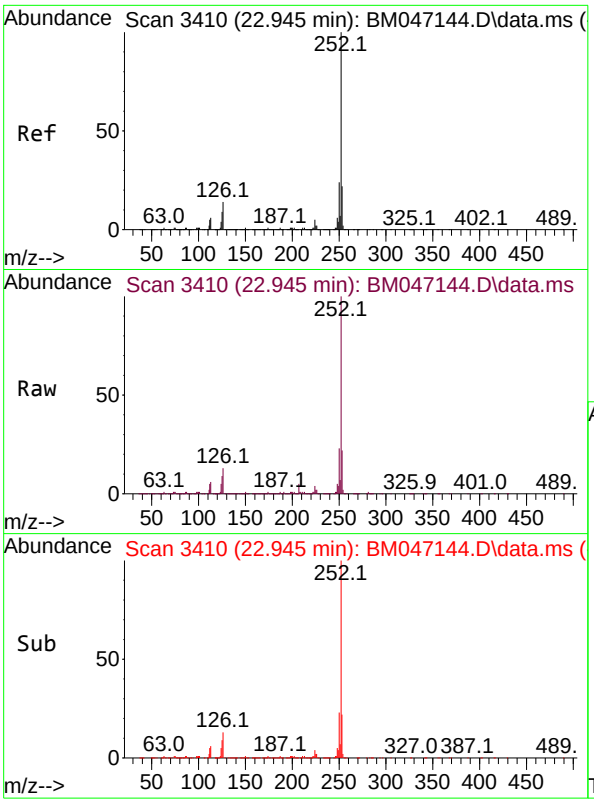


#88
Benzo(b)fluoranthene
Concen: 39.106 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



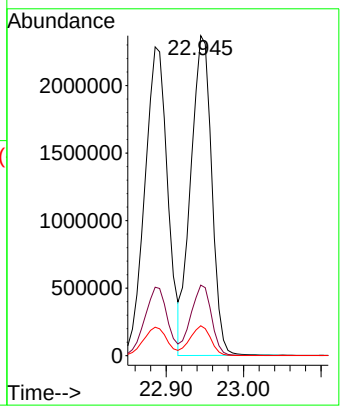


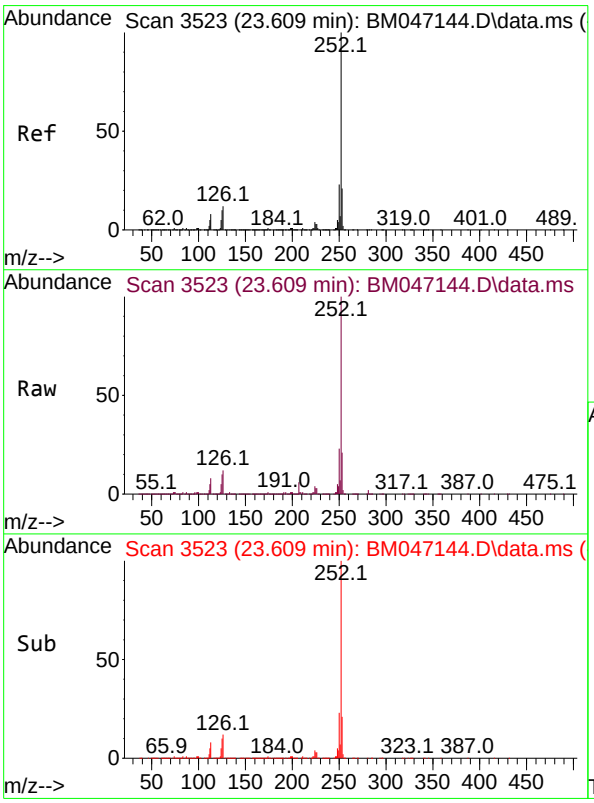
#89
Benzo(k)fluoranthene
Concen: 39.126 ng
RT: 22.945 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

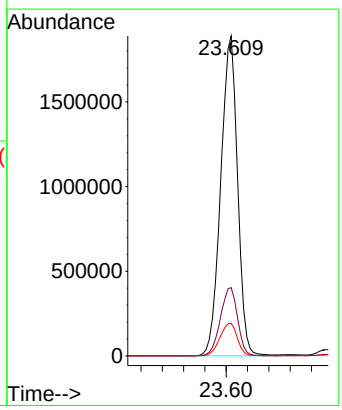


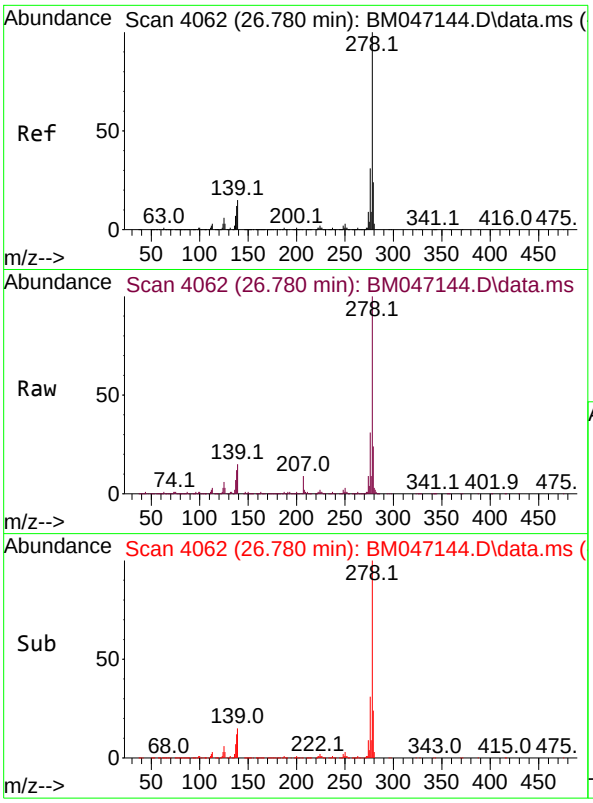


#90
Benzo(a)pyrene
Concen: 39.824 ng
RT: 23.609 min Scan# 3523
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



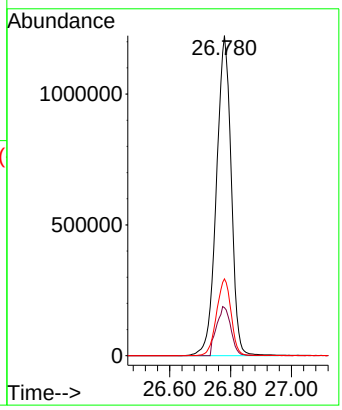


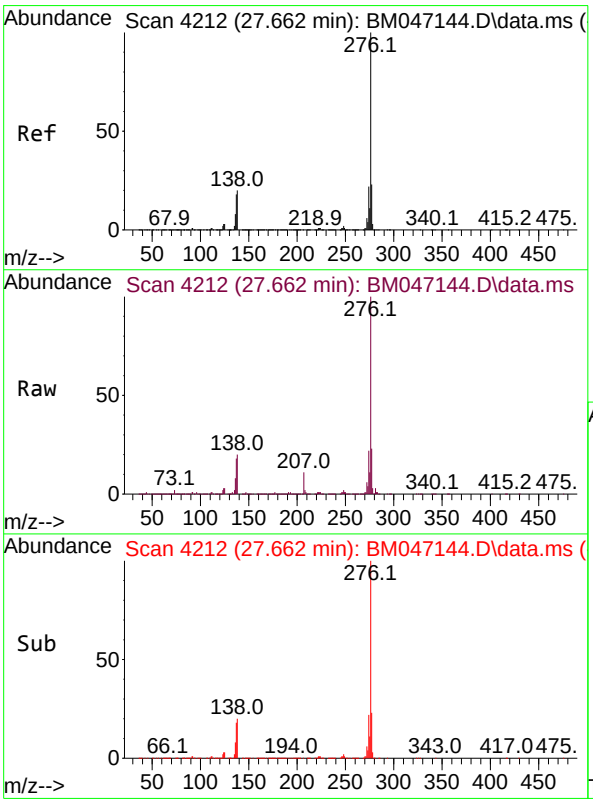
#91
Dibenzo(a,h)anthracene
Concen: 39.055 ng
RT: 26.780 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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

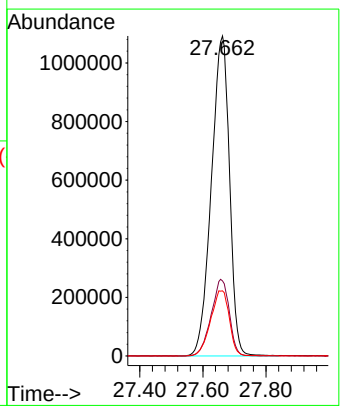




#92
Benzo(g,h,i)perylene
Concen: 39.636 ng
RT: 27.662 min Scan# 4212
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

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



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

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

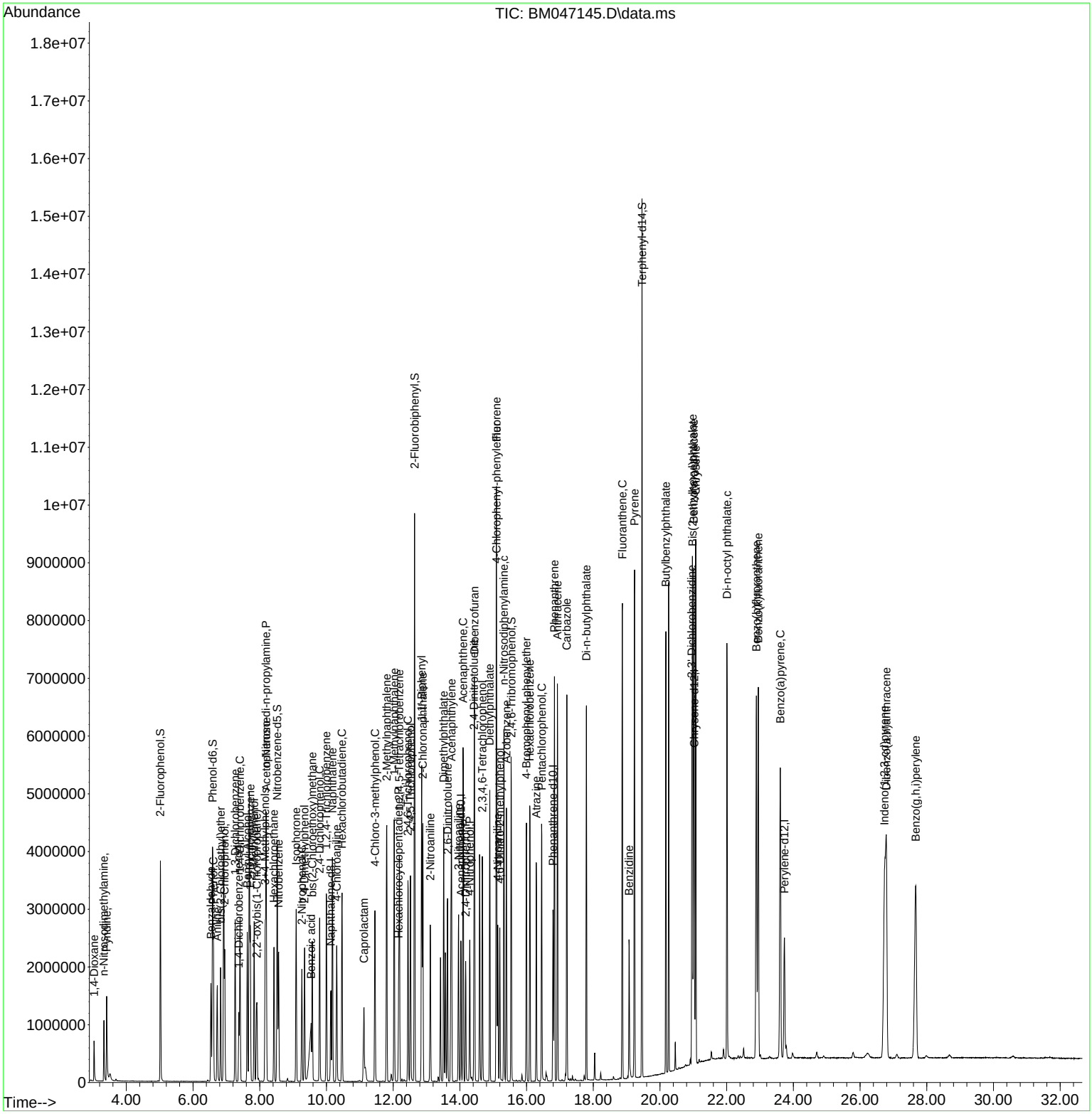
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	909210	50.644	ng	99
46) 1,1'-Biphenyl	12.857	154	2837162	47.782	ng	99
47) 2-Chloronaphthalene	12.892	162	2210354	47.627	ng	99
48) 2-Nitroaniline	13.116	65	733636	50.459	ng	98
49) Acenaphthylene	13.751	152	3284244	48.009	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

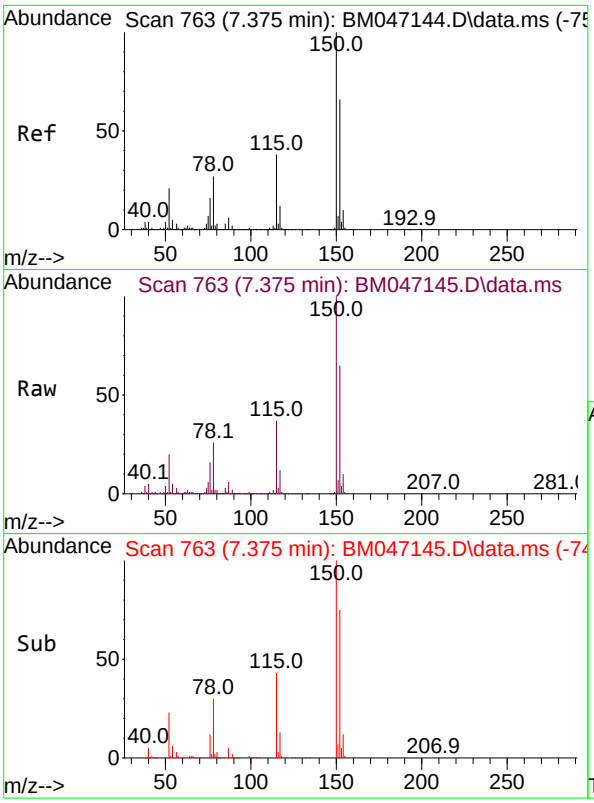
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



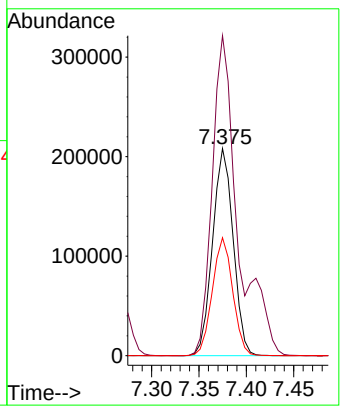


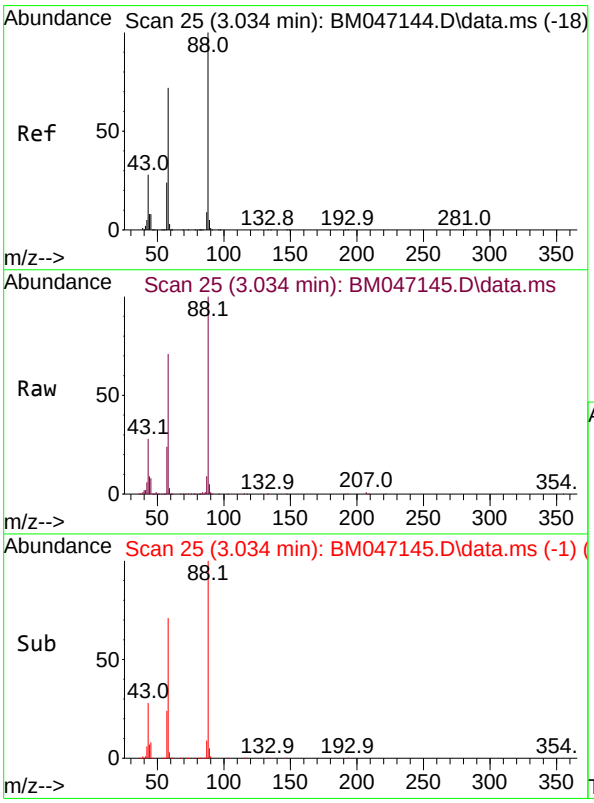
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

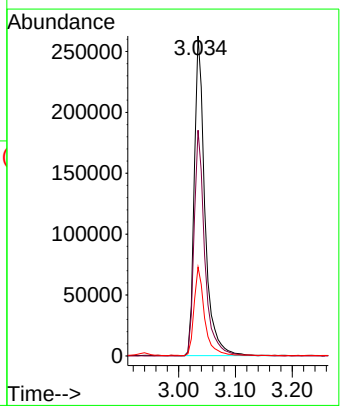


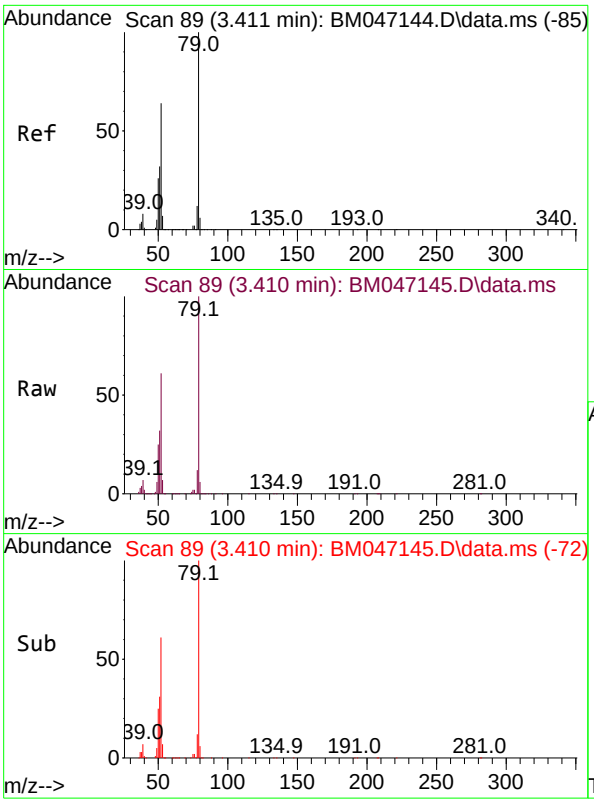


#2
1,4-Dioxane
Concen: 46.976 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



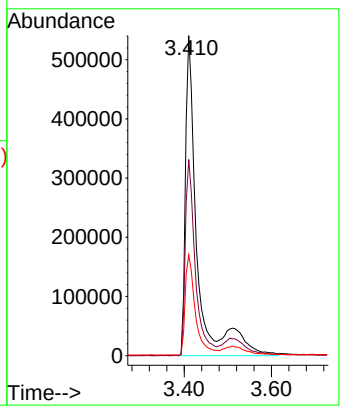


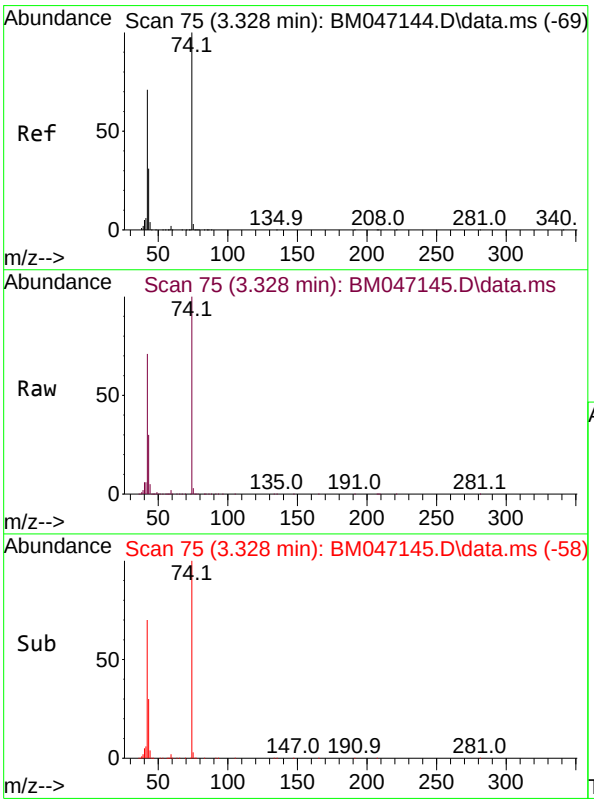
#3
Pyridine
Concen: 47.780 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

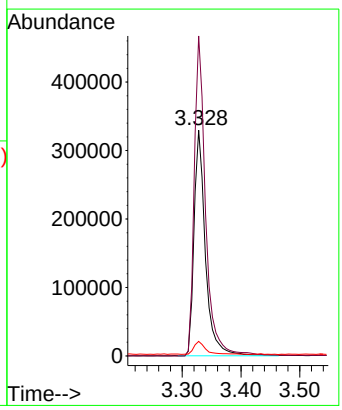


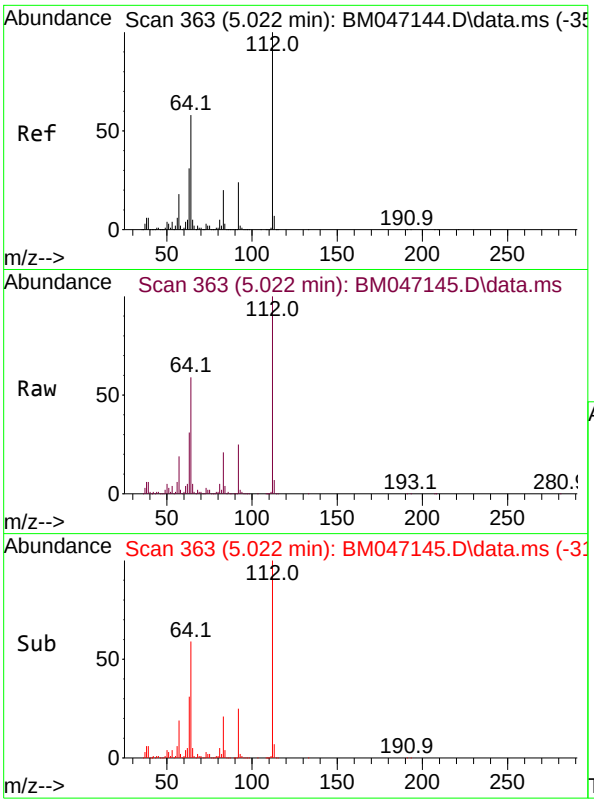


#4
n-Nitrosodimethylamine
Concen: 47.479 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



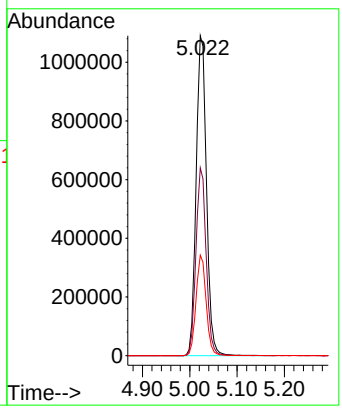


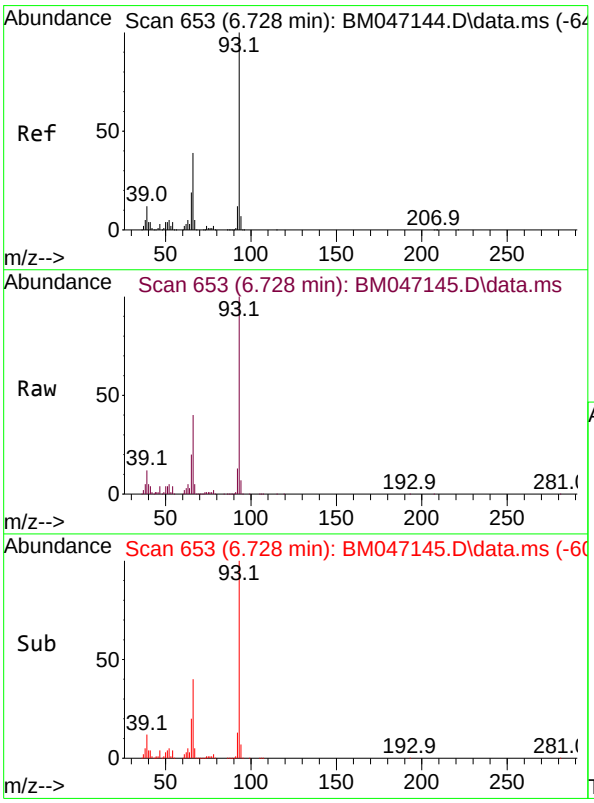
#5
2-Fluorophenol
Concen: 93.844 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

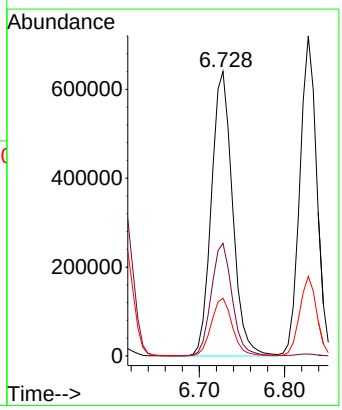


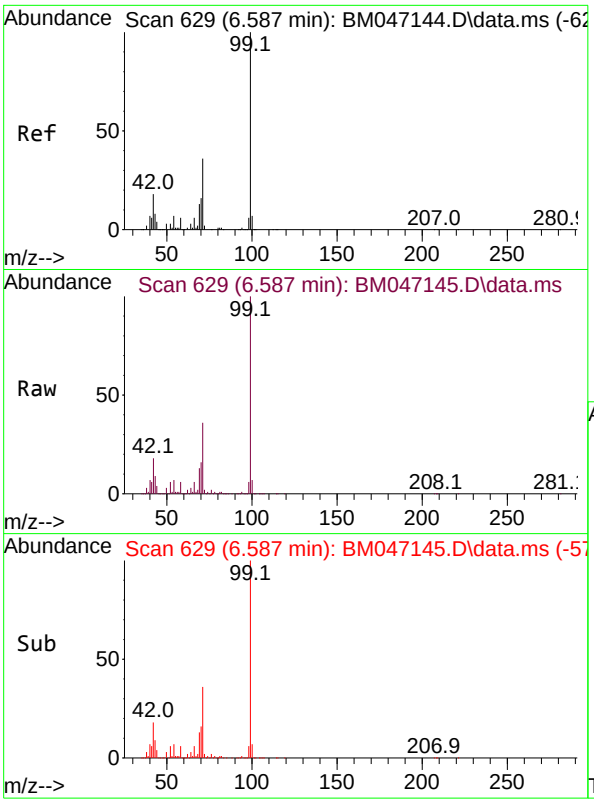


#6
Aniline
Concen: 48.069 ng
RT: 6.728 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



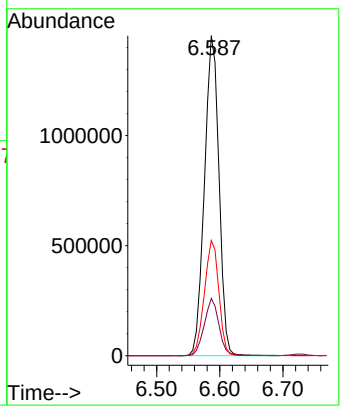


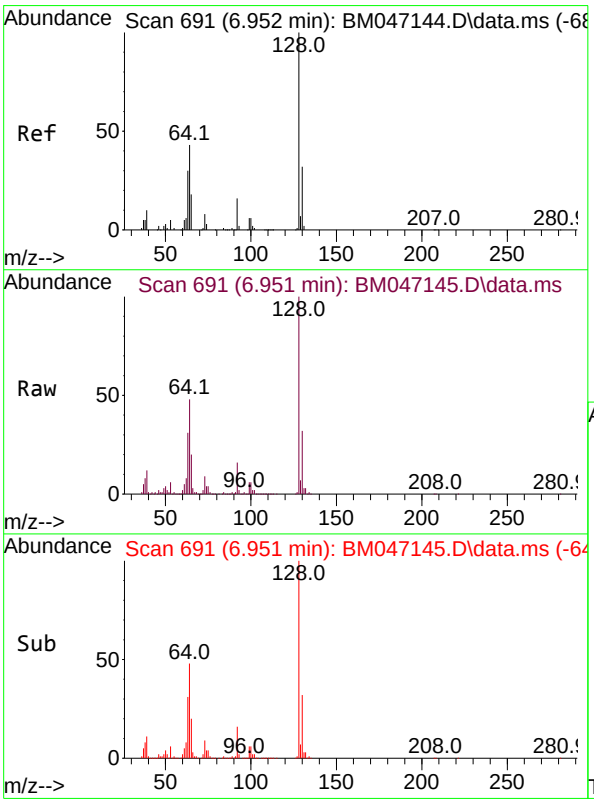
#7
Phenol-d6
Concen: 95.298 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

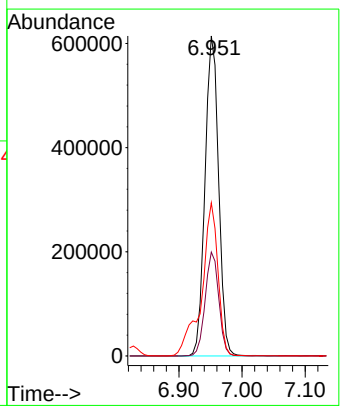


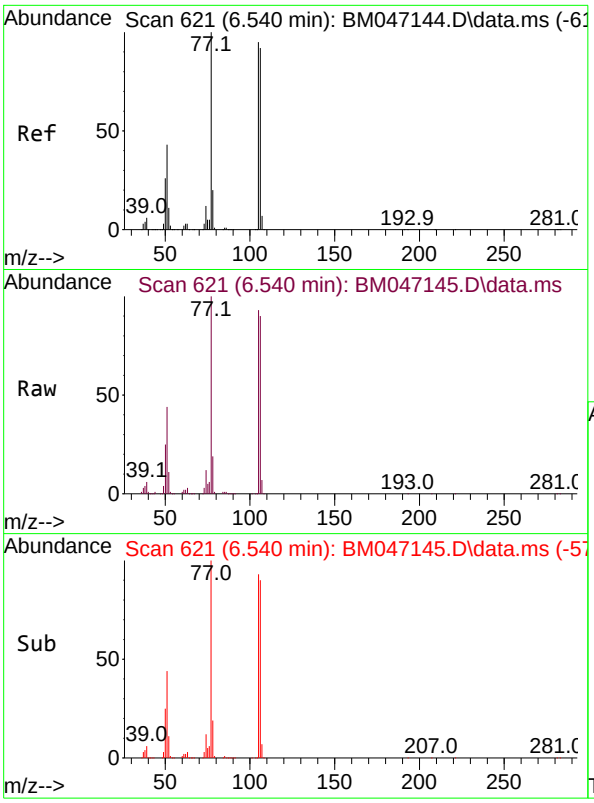


#8
2-Chlorophenol
Concen: 47.779 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



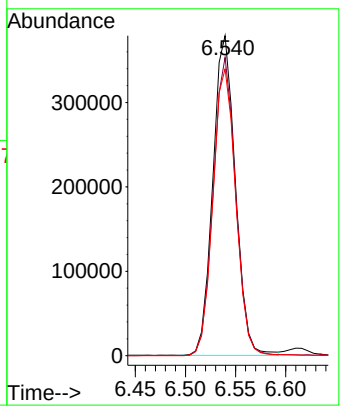


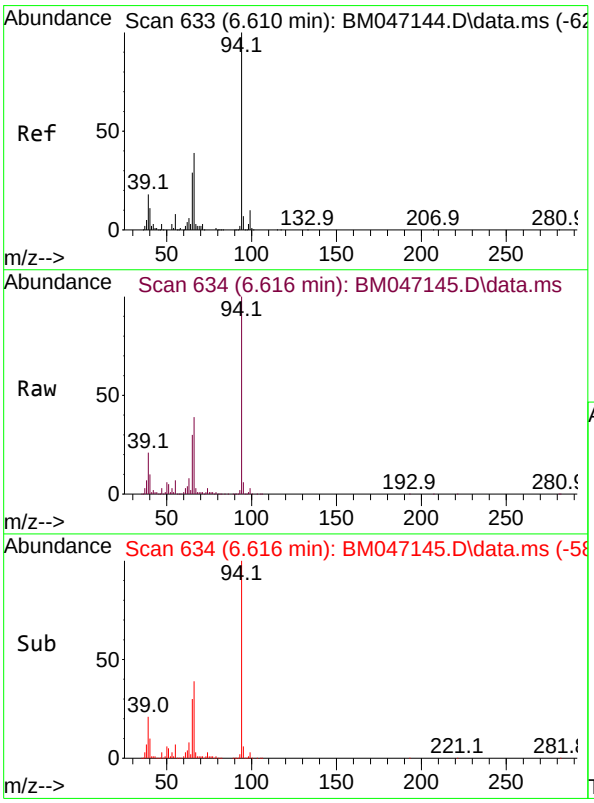
#9
Benzaldehyde
Concen: 53.942 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

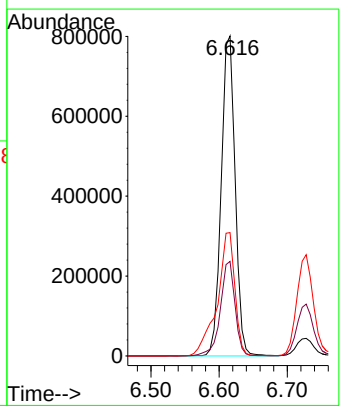


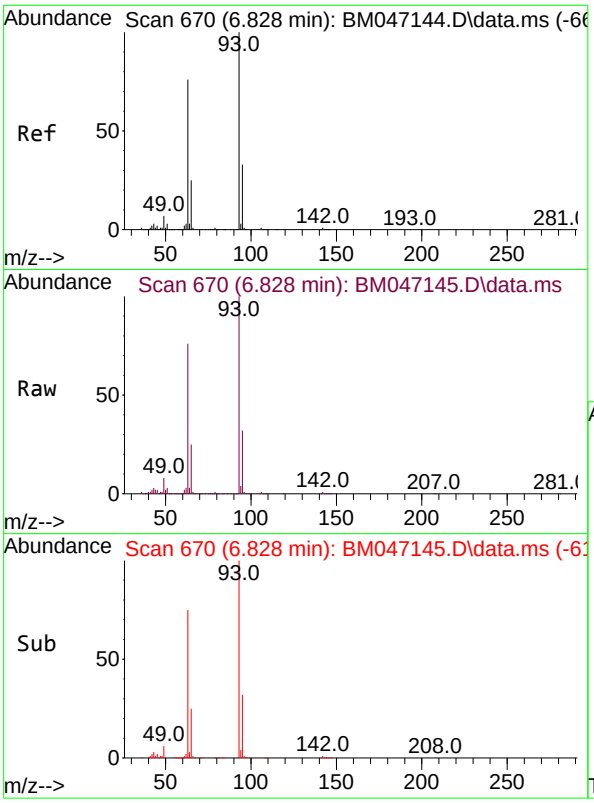


#10
Phenol
Concen: 47.123 ng
RT: 6.616 min Scan# 634
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



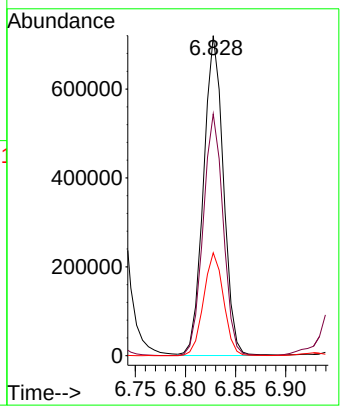


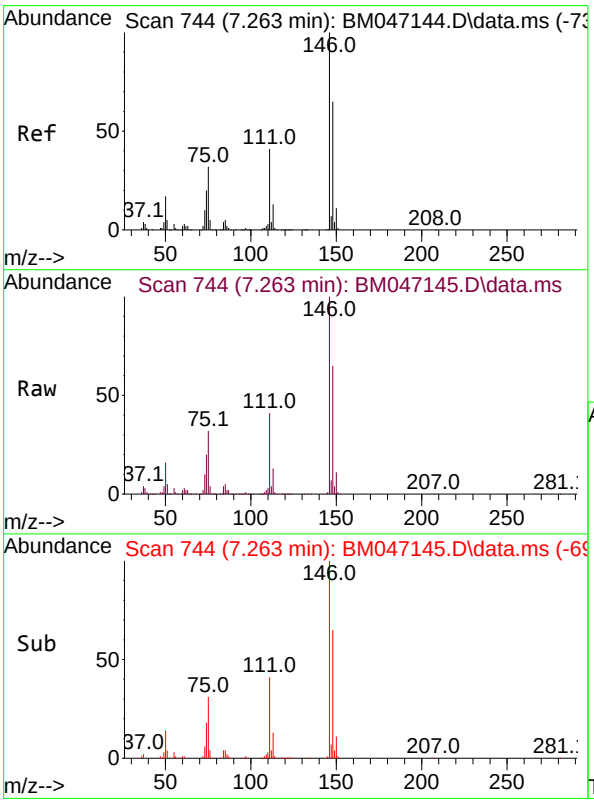
#11
bis(2-Chloroethyl)ether
Concen: 48.057 ng
RT: 6.828 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

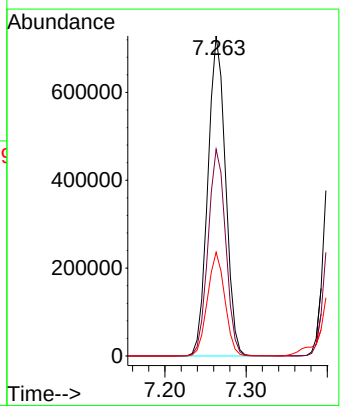


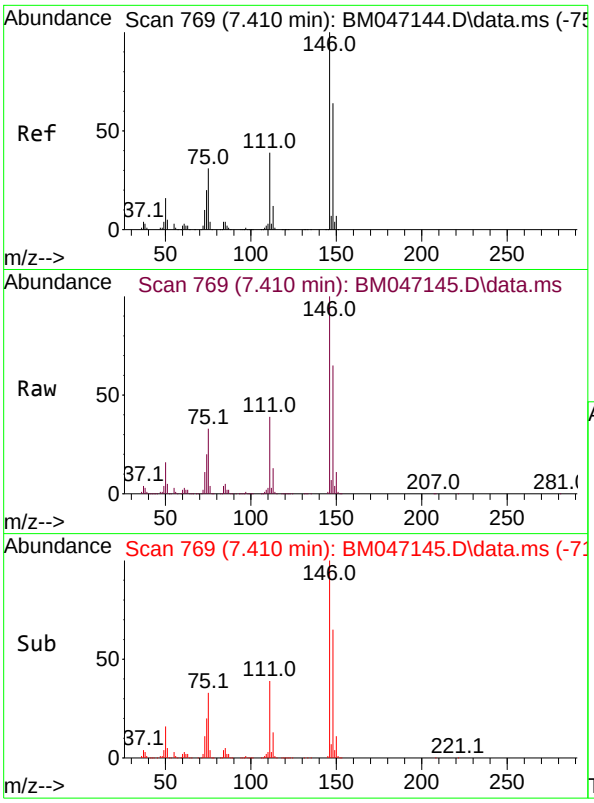


#12
1,3-Dichlorobenzene
Concen: 48.063 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



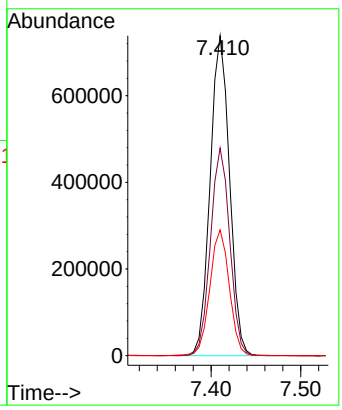


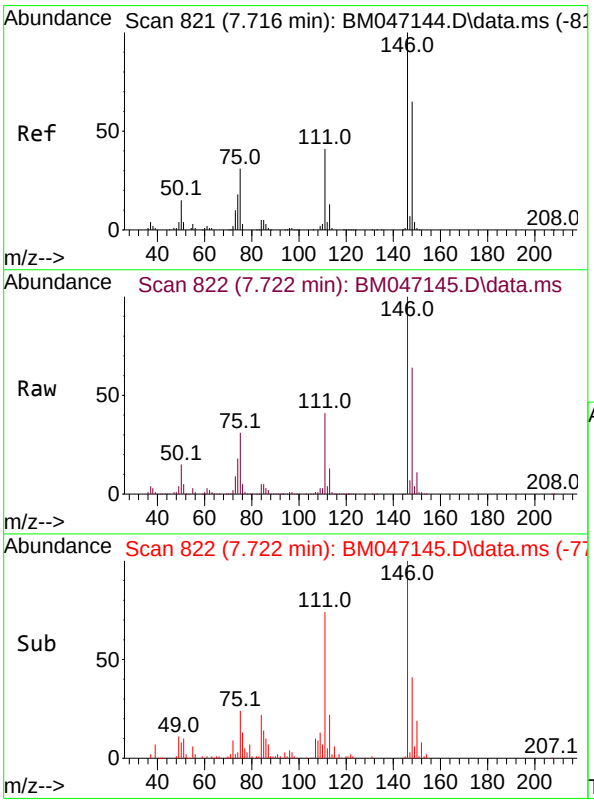
#13
1,4-Dichlorobenzene
Concen: 47.843 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

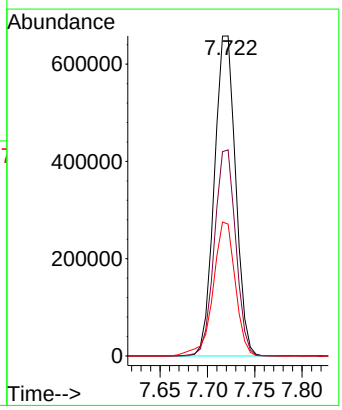


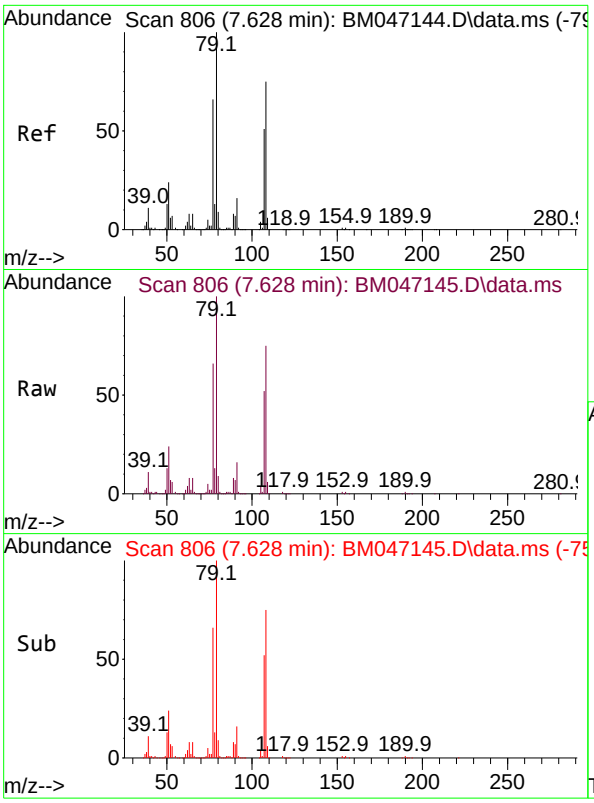


#14
1,2-Dichlorobenzene
Concen: 47.204 ng
RT: 7.722 min Scan# 822
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



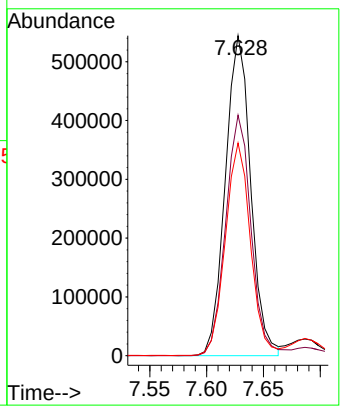


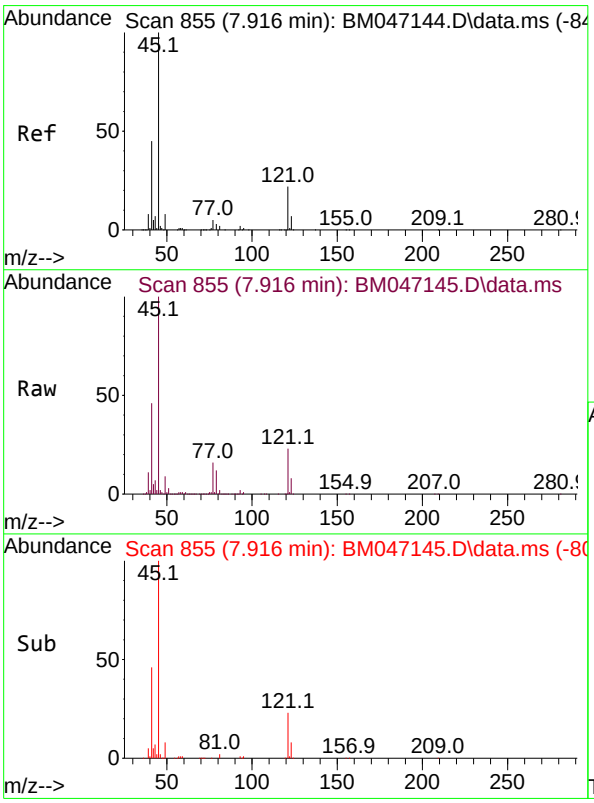
#15
Benzyl Alcohol
Concen: 49.018 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

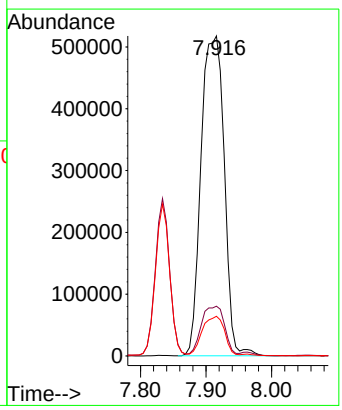


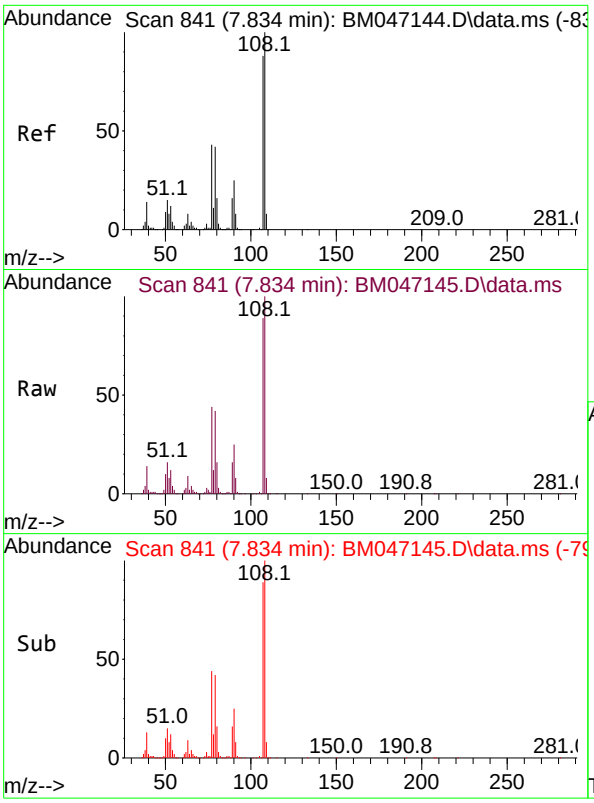


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.724 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



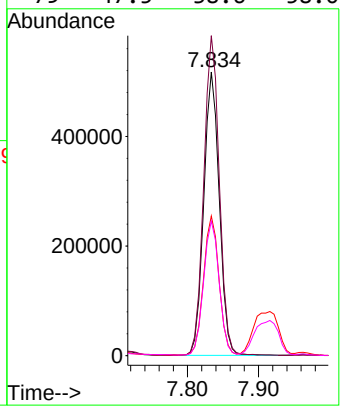


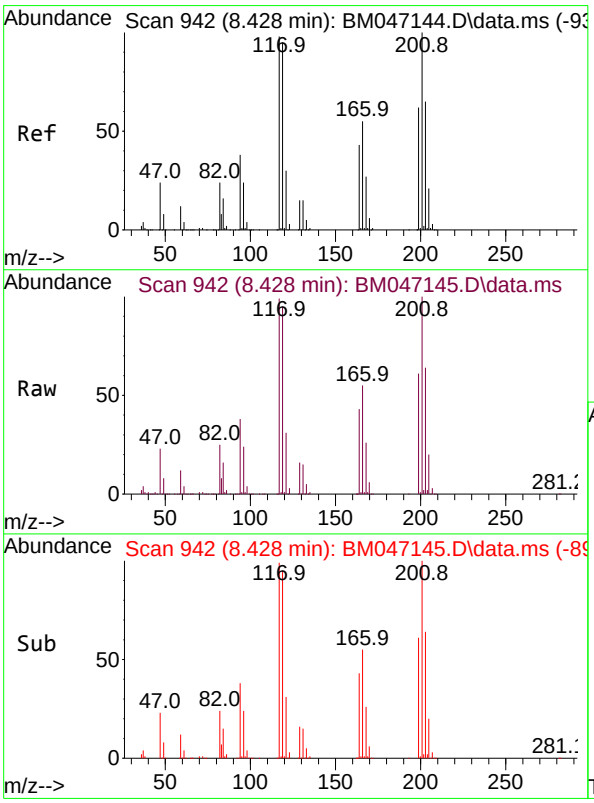
#17
2-Methylphenol
Concen: 48.623 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

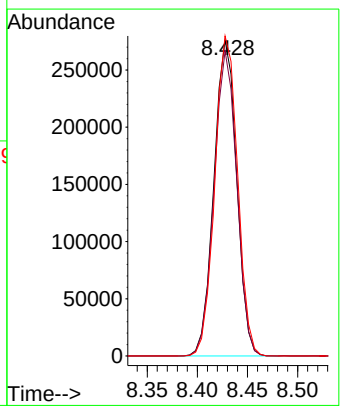


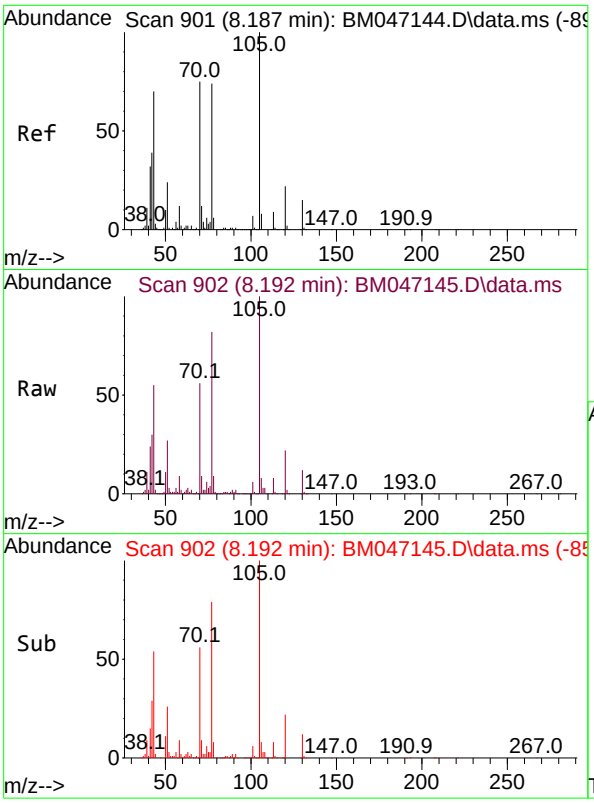


#18
Hexachloroethane
Concen: 48.568 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



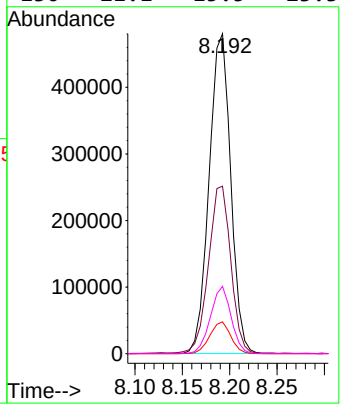


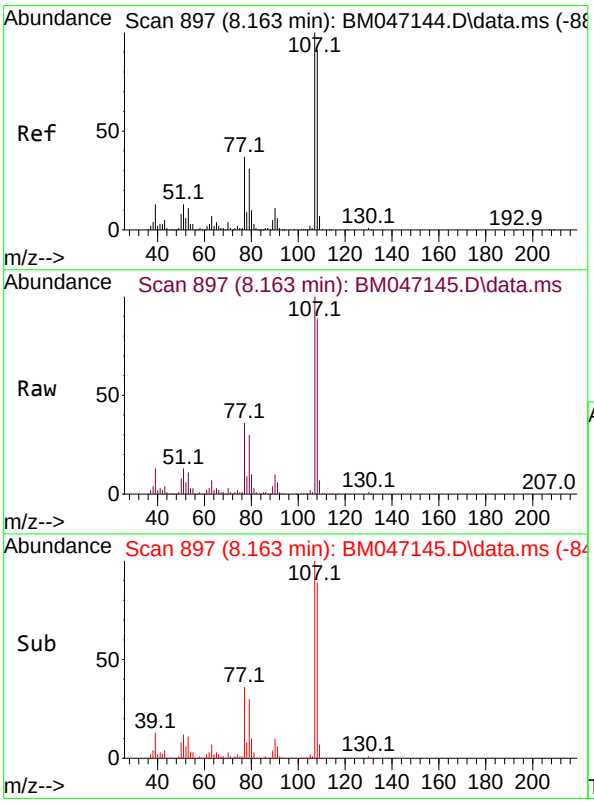
#19
n-Nitroso-di-n-propylamine
Concen: 46.435 ng
RT: 8.192 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

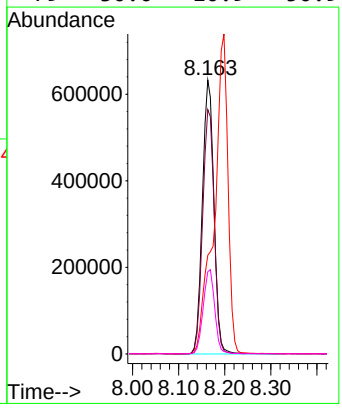


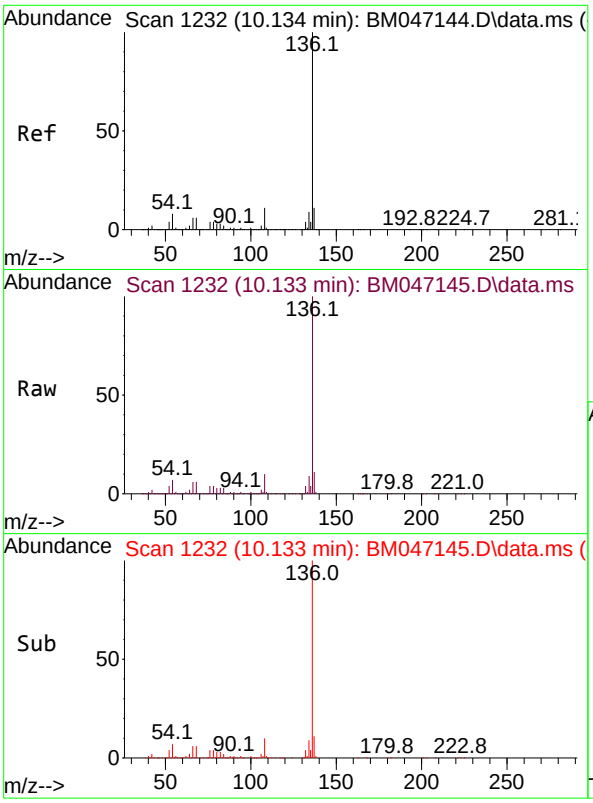


#20
3+4-Methylphenols
Concen: 48.940 ng
RT: 8.163 min Scan# 897
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



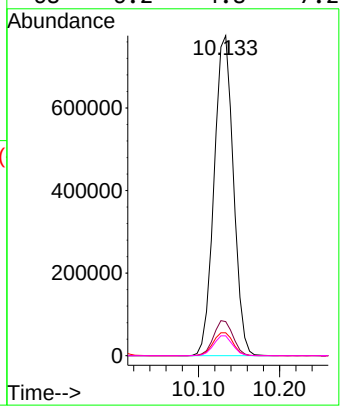


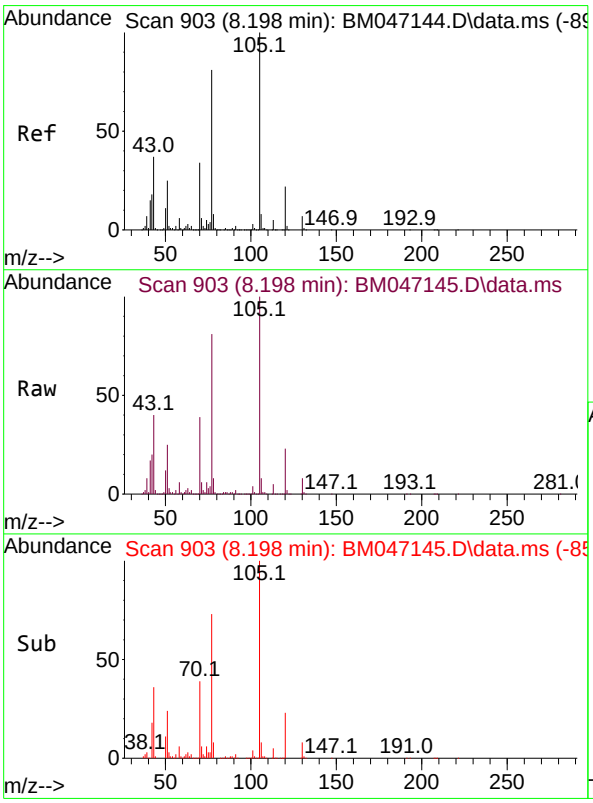
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

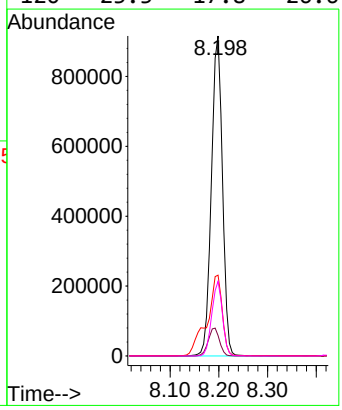


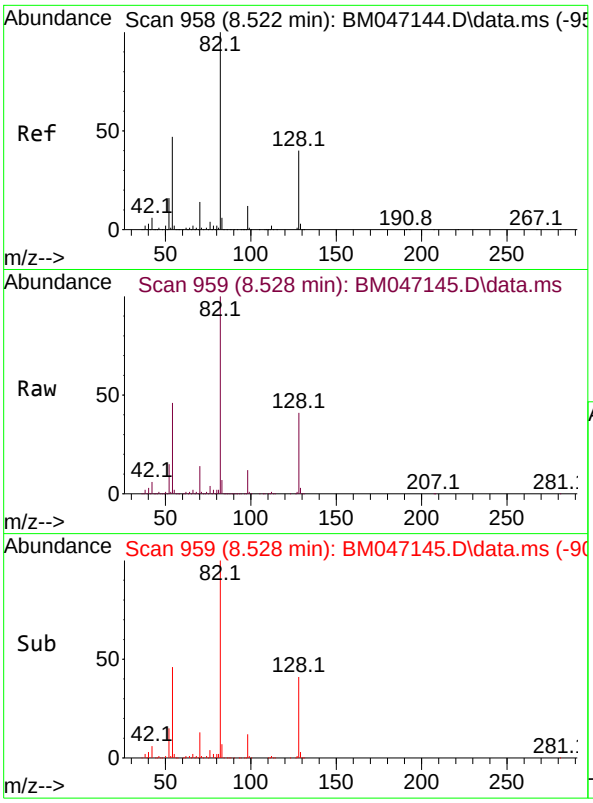


#22
Acetophenone
Concen: 46.625 ng
RT: 8.198 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



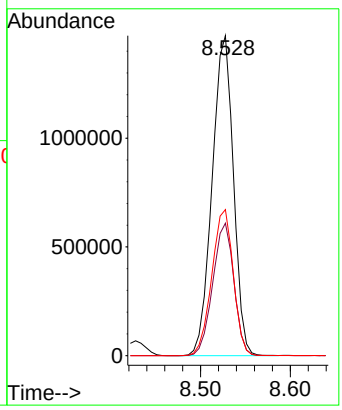


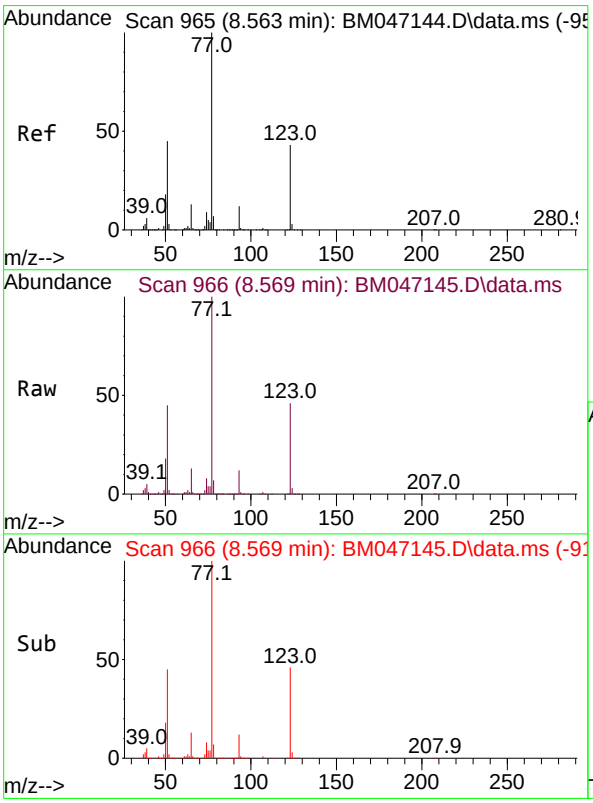
#23
Nitrobenzene-d5
Concen: 95.162 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

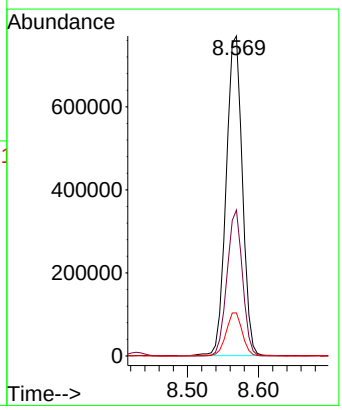


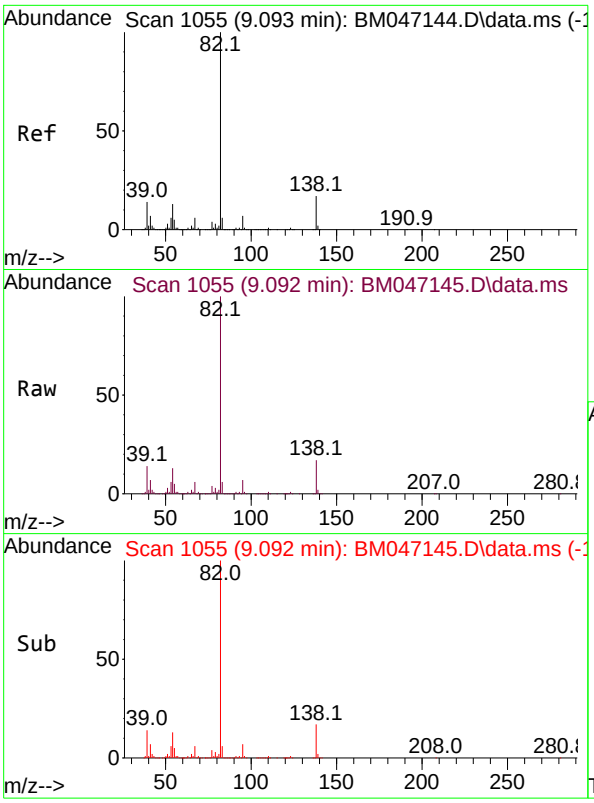


#24
Nitrobenzene
Concen: 47.470 ng
RT: 8.569 min Scan# 966
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



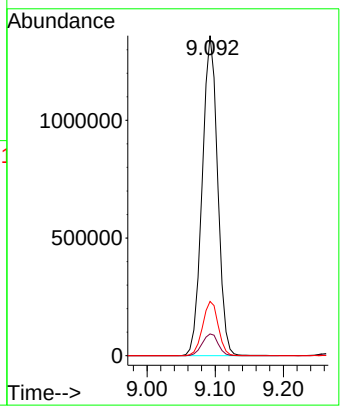


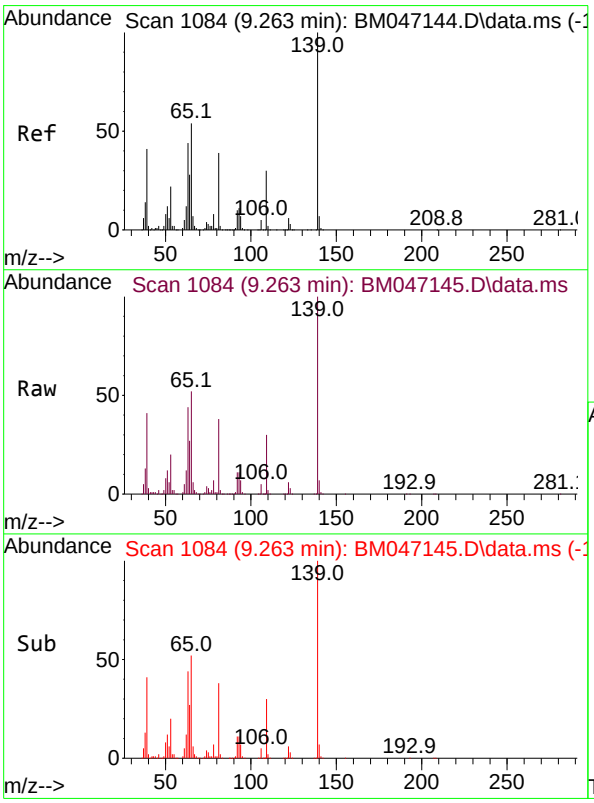
#25
Isophorone
Concen: 48.292 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

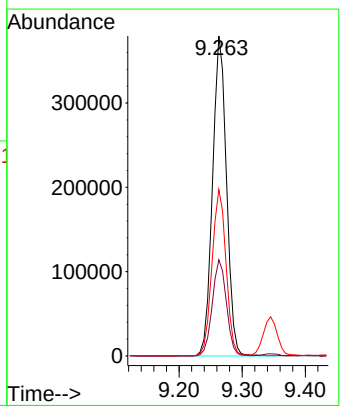


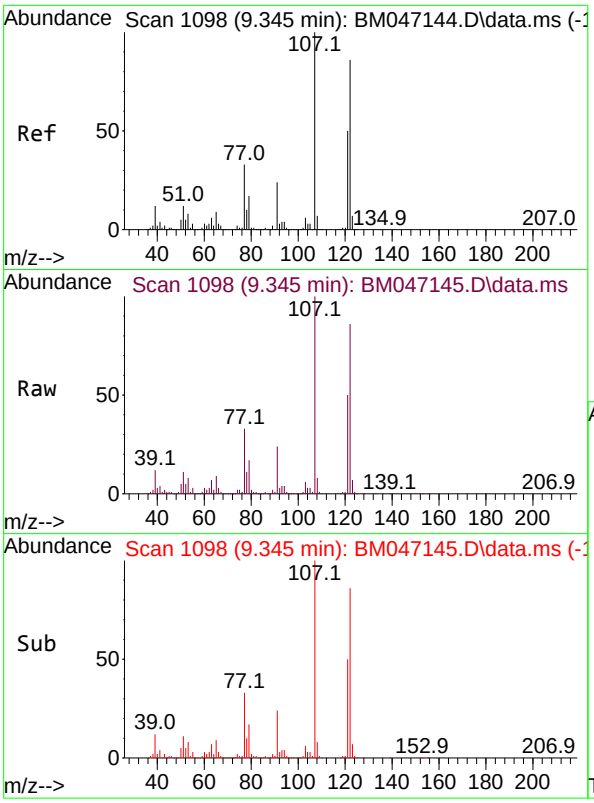


#26
2-Nitrophenol
Concen: 51.343 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



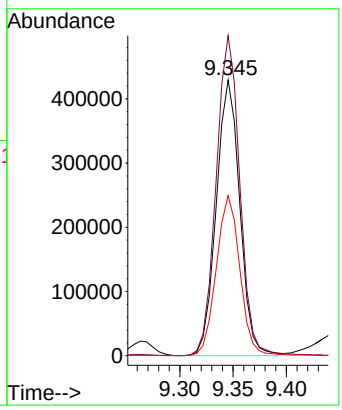


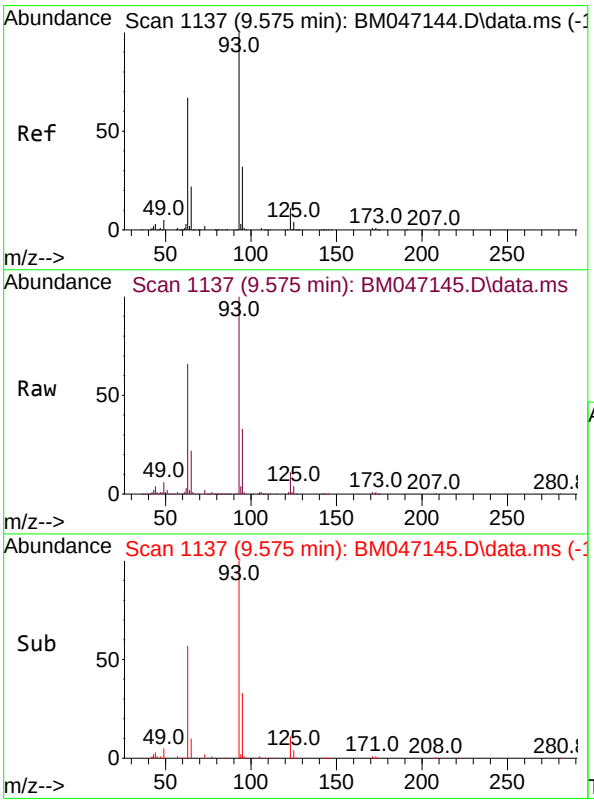
#27
2,4-Dimethylphenol
Concen: 49.545 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

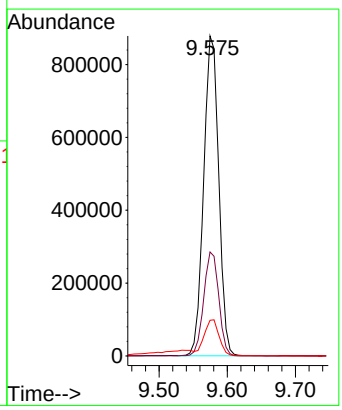


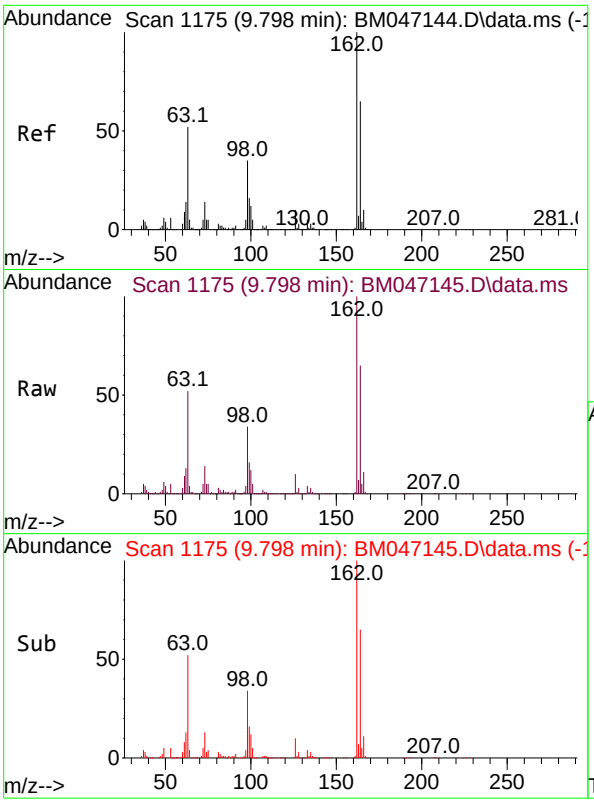


#28
bis(2-Chloroethoxy)methane
Concen: 48.339 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



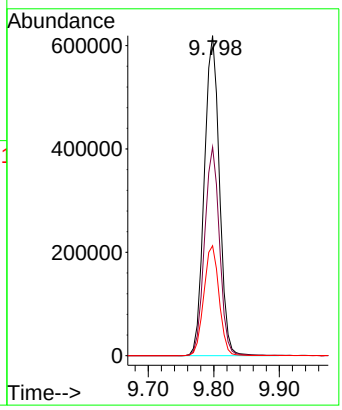


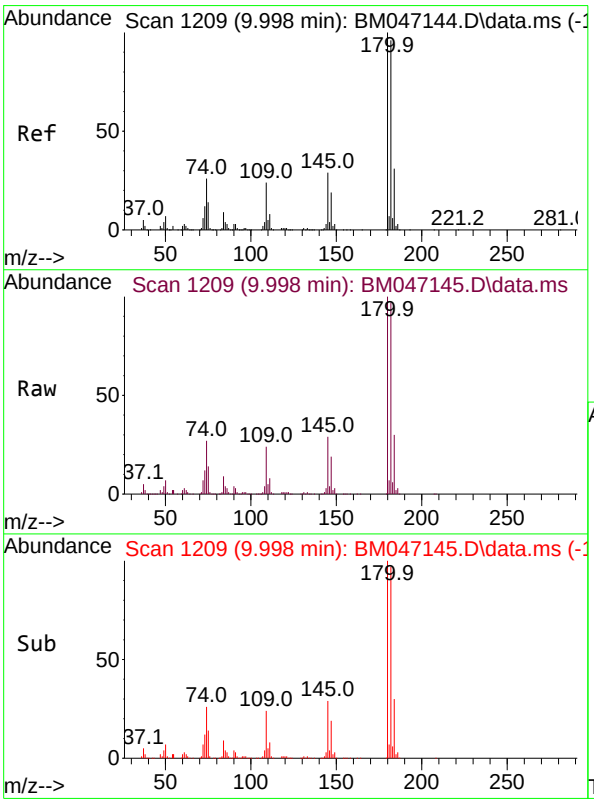
#29
2,4-Dichlorophenol
Concen: 50.395 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

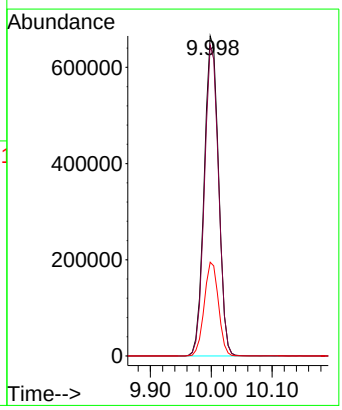


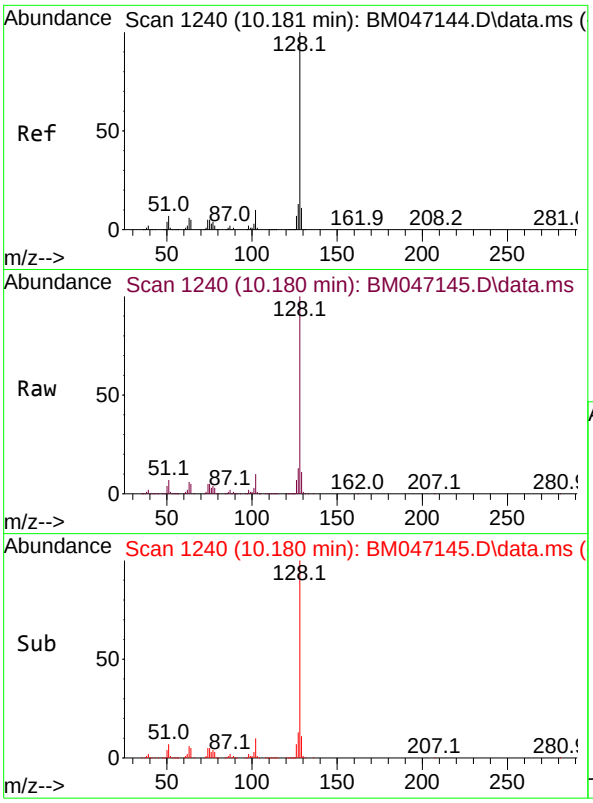


#30
1,2,4-Trichlorobenzene
Concen: 48.819 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



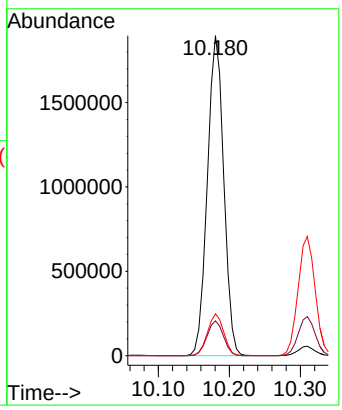


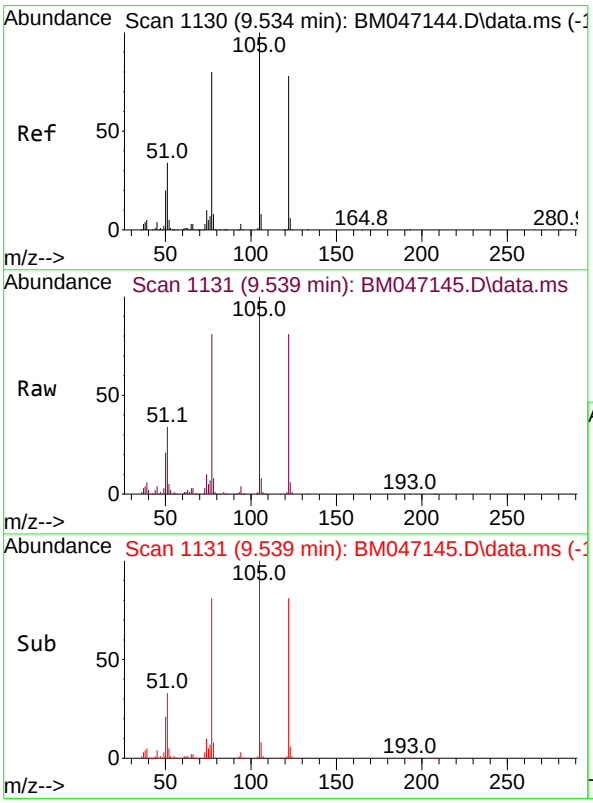
#31
Naphthalene
Concen: 47.619 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

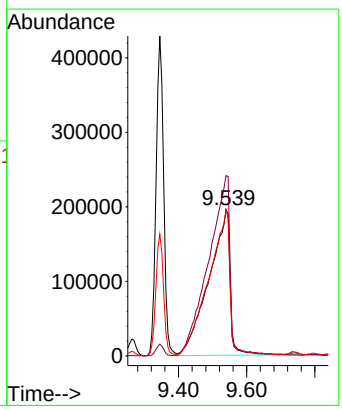


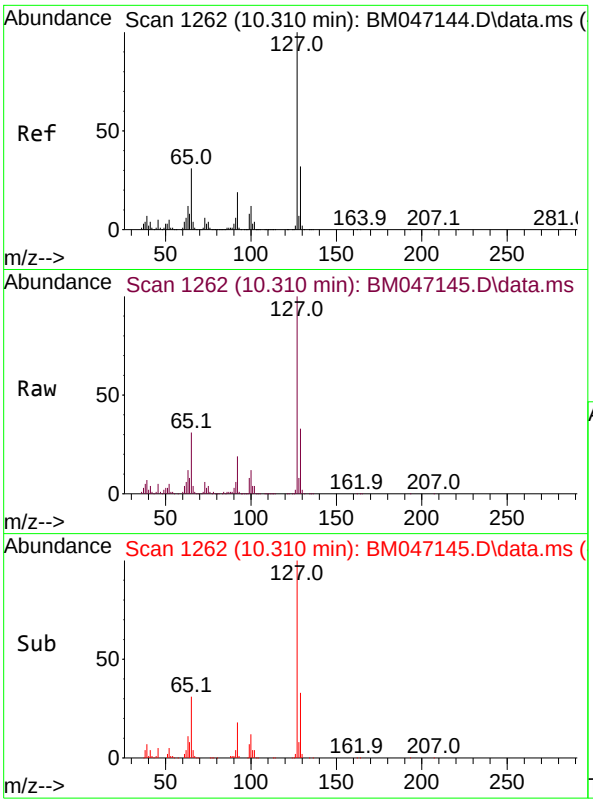


#32
Benzoic acid
Concen: 53.976 ng
RT: 9.539 min Scan# 1131
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



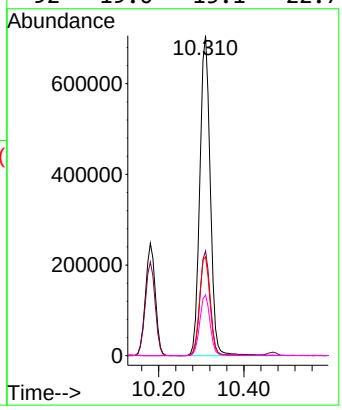


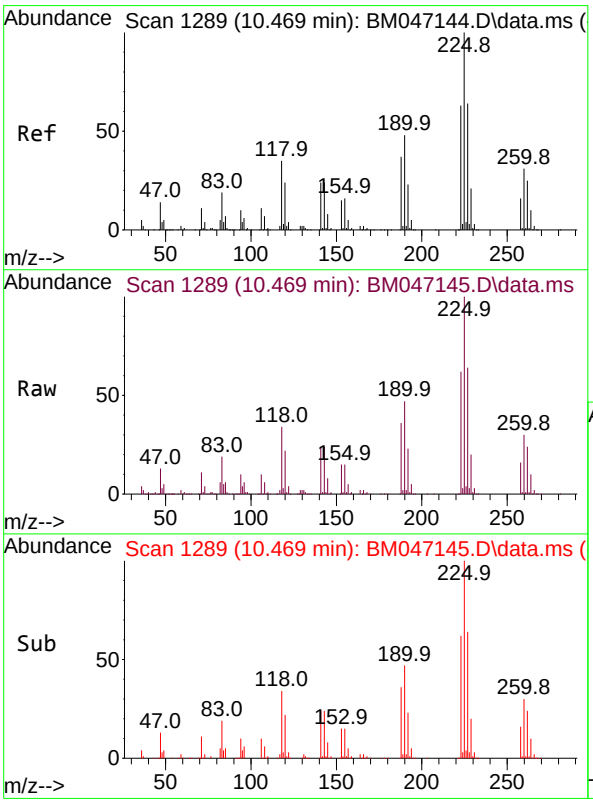
#33
4-Chloroaniline
Concen: 48.793 ng
RT: 10.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

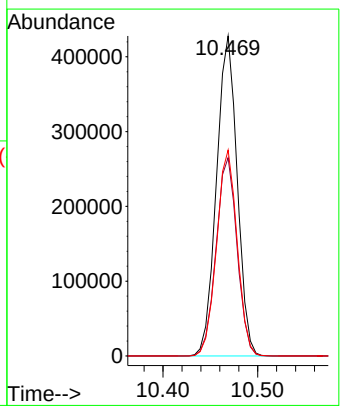


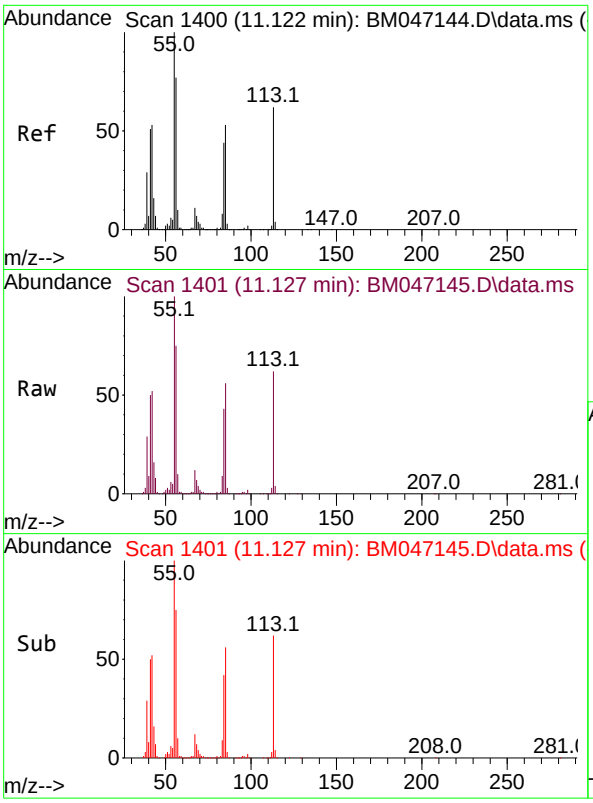


#34
Hexachlorobutadiene
Concen: 49.773 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



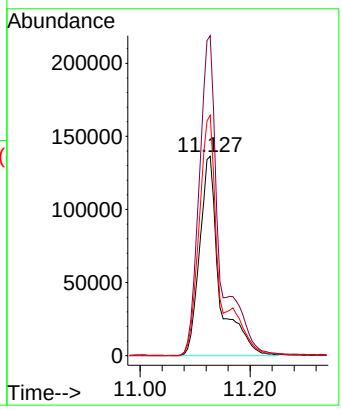


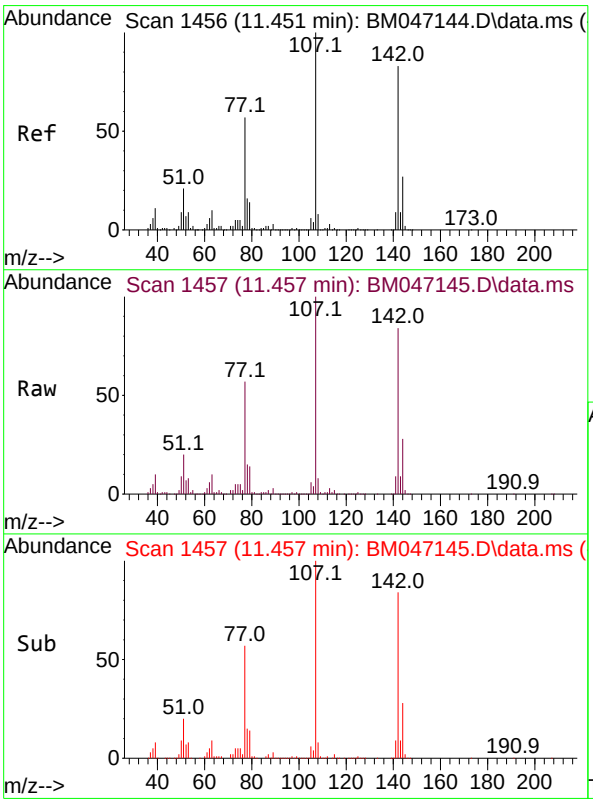
#35
Caprolactam
Concen: 50.259 ng
RT: 11.127 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

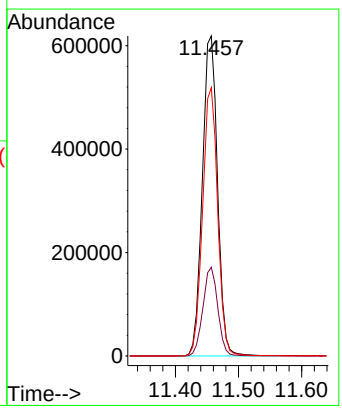


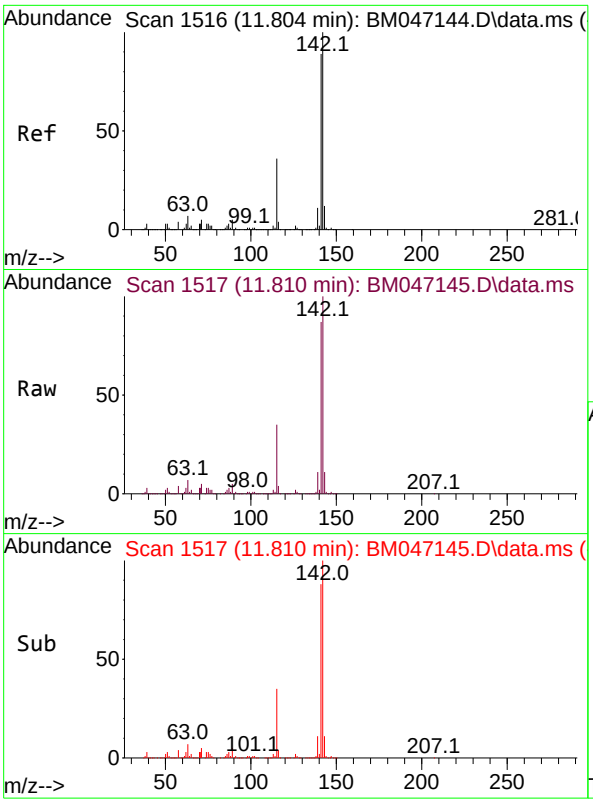


#36
4-Chloro-3-methylphenol
Concen: 49.201 ng
RT: 11.457 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



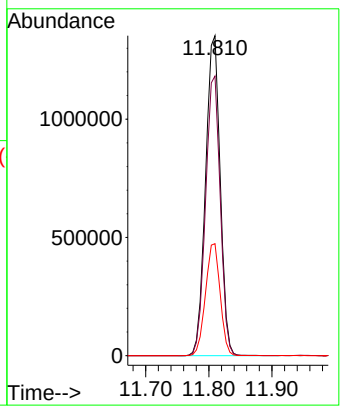


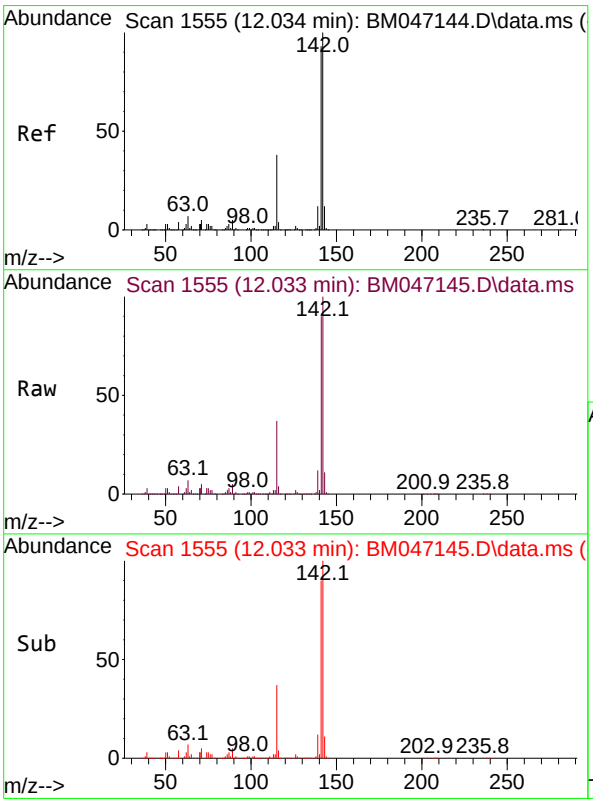
#37
2-Methylnaphthalene
Concen: 47.987 ng
RT: 11.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

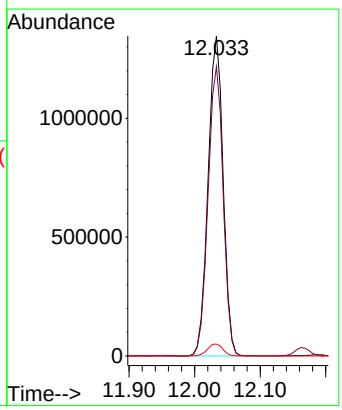


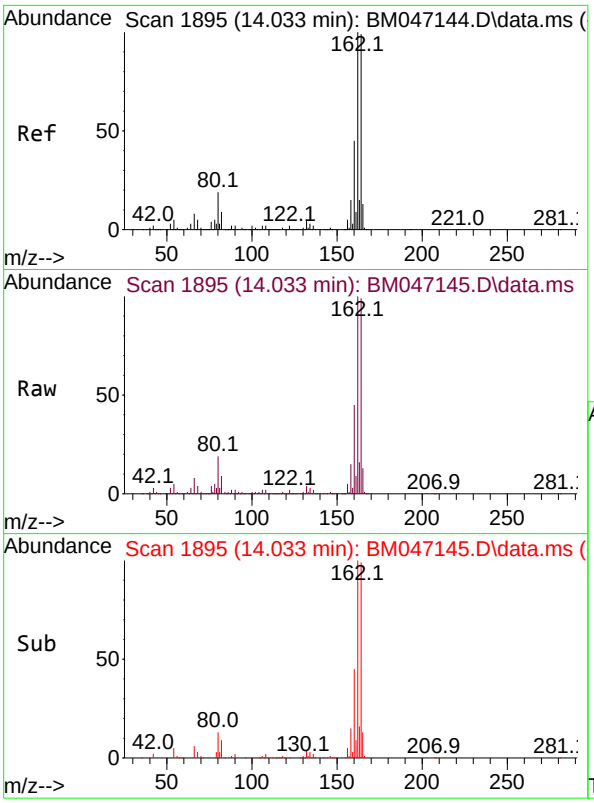


#38
1-Methylnaphthalene
Concen: 47.673 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



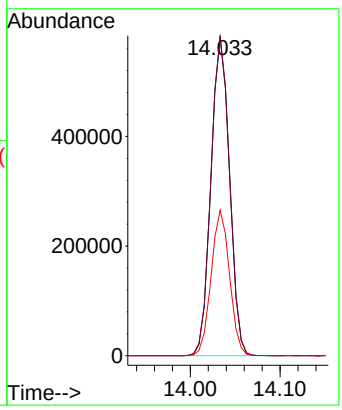


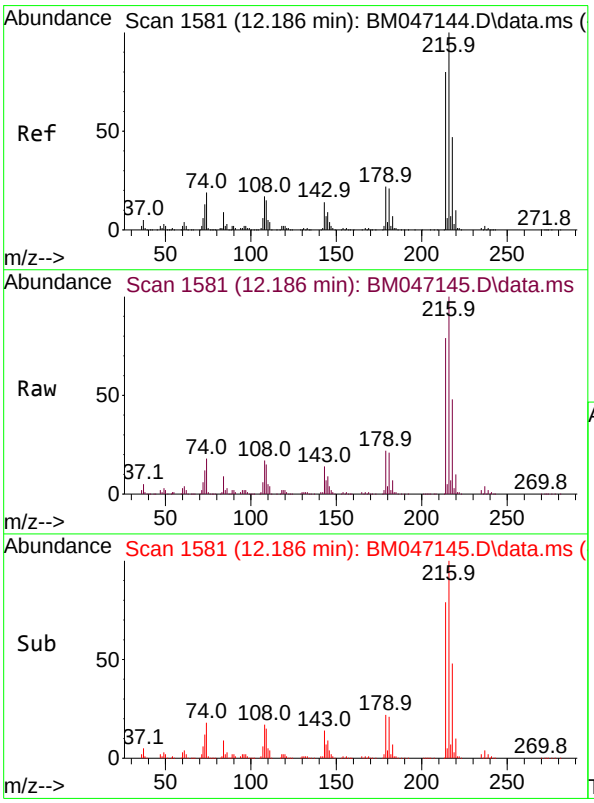
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

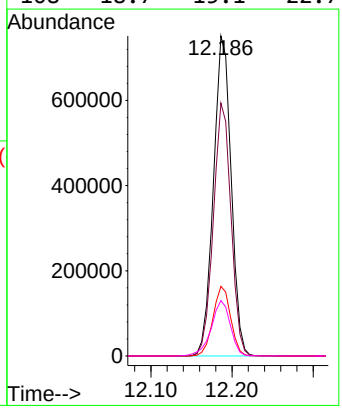


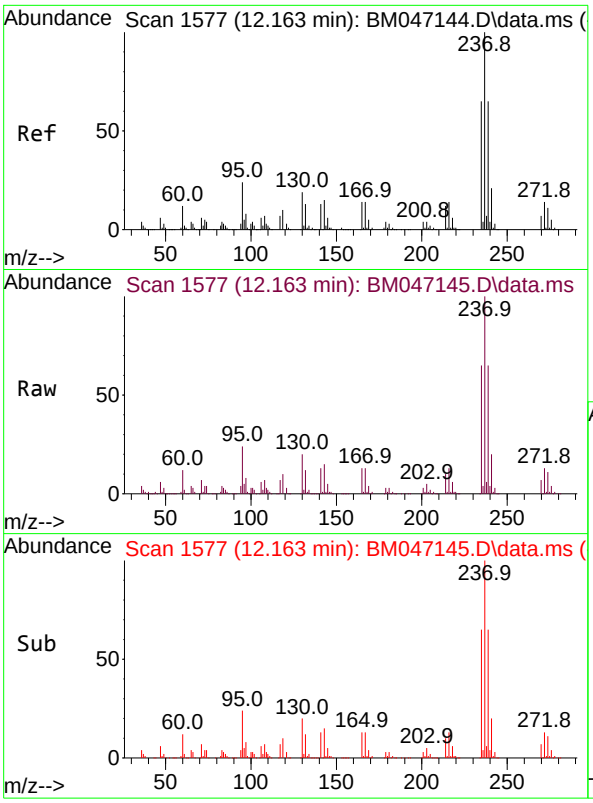


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.043 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



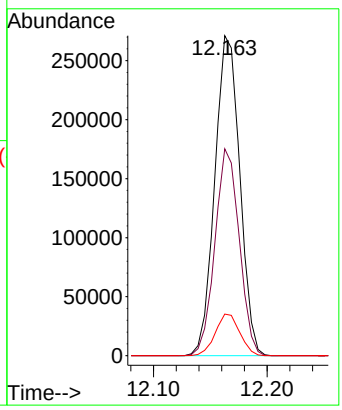


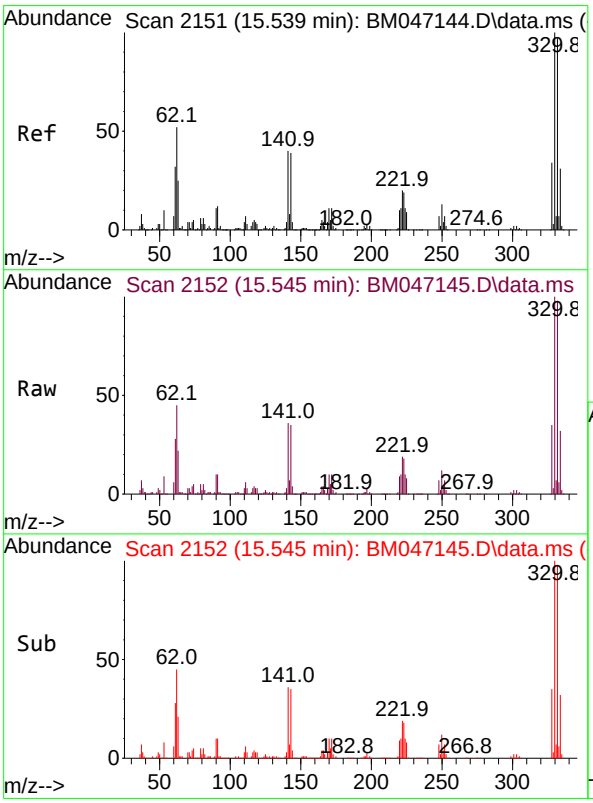
#41
Hexachlorocyclopentadiene
Concen: 52.261 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

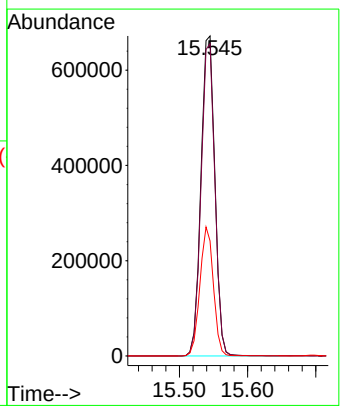


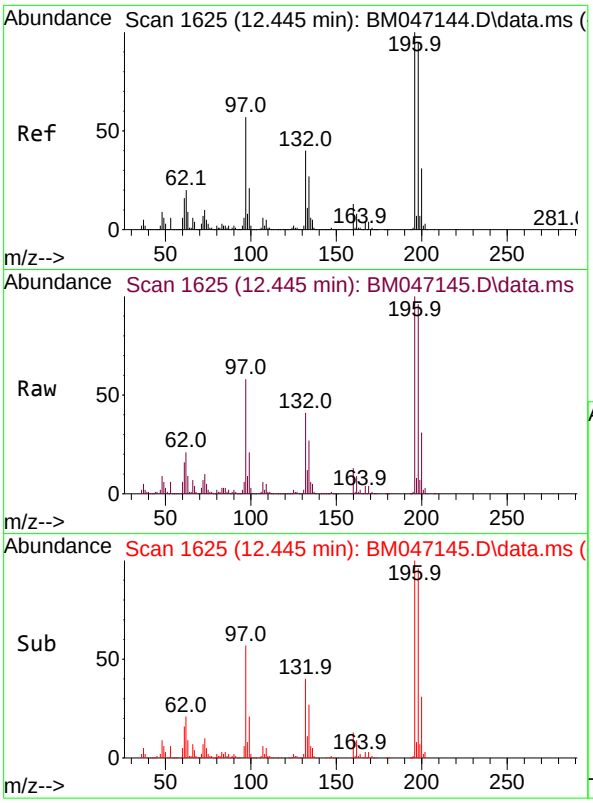


#42
2,4,6-Tribromophenol
Concen: 98.476 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



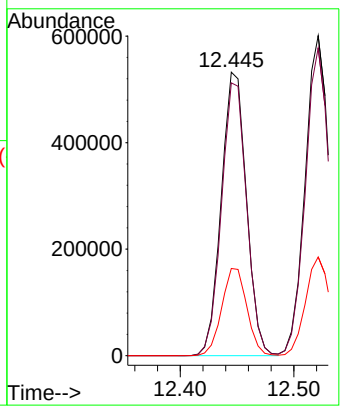


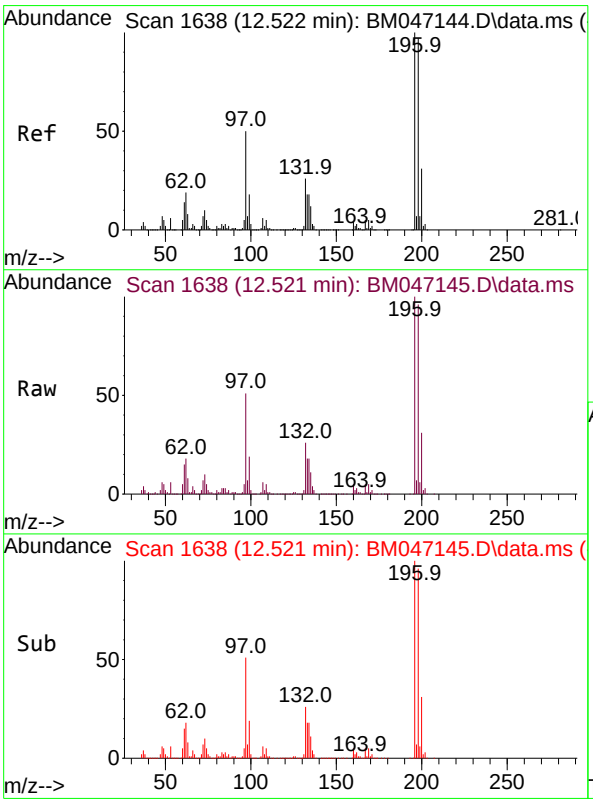
#43
2,4,6-Trichlorophenol
Concen: 50.831 ng
RT: 12.445 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

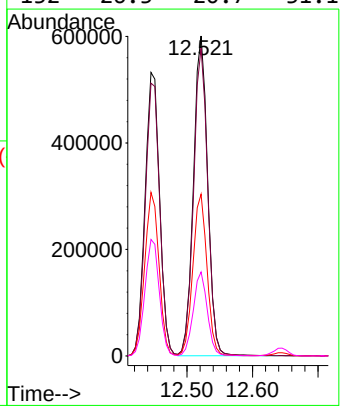


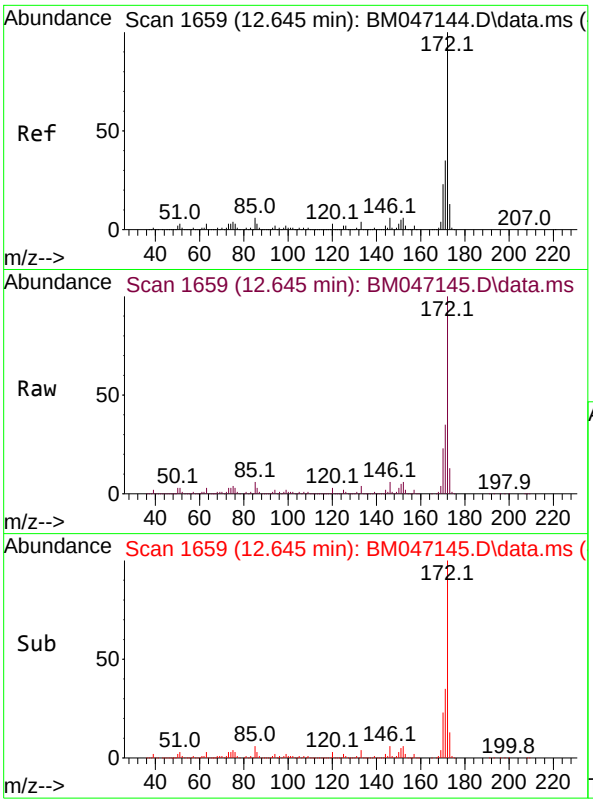


#44
2,4,5-Trichlorophenol
Concen: 50.644 ng
RT: 12.521 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



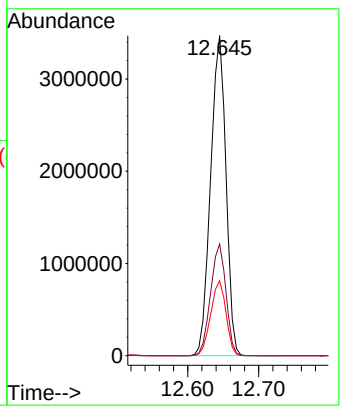


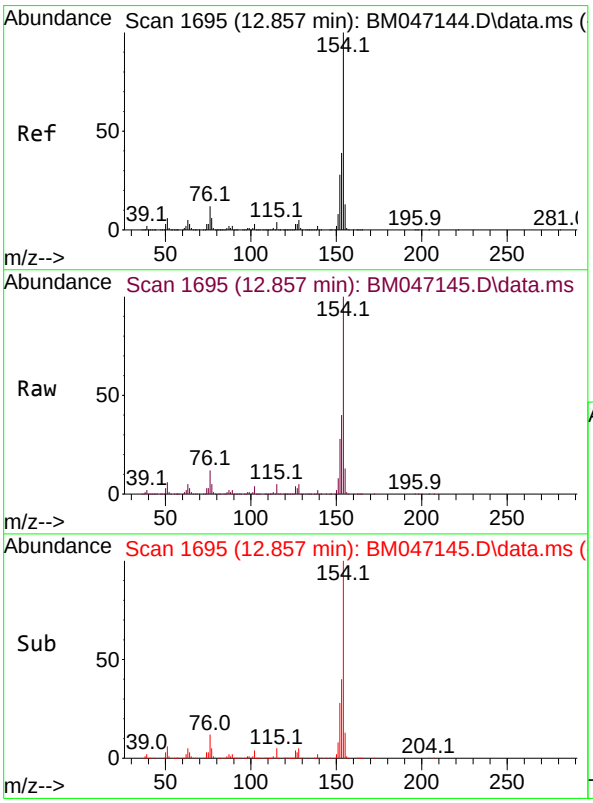
#45
2-Fluorobiphenyl
Concen: 96.172 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

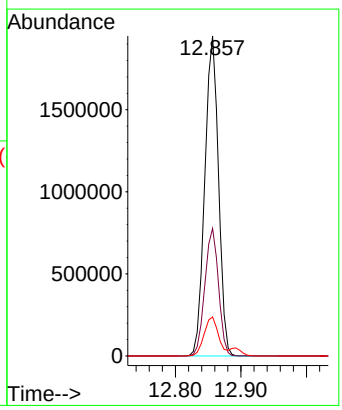


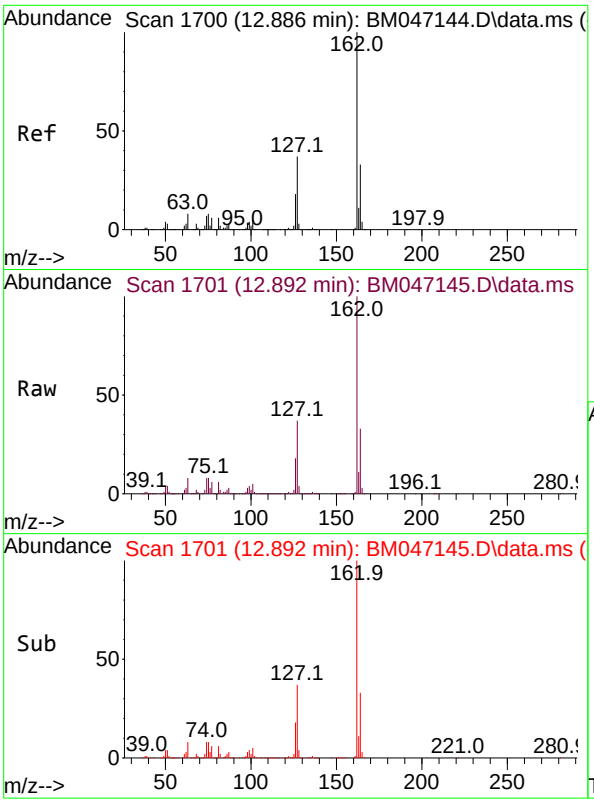


#46
1,1'-Biphenyl
Concen: 47.782 ng
RT: 12.857 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



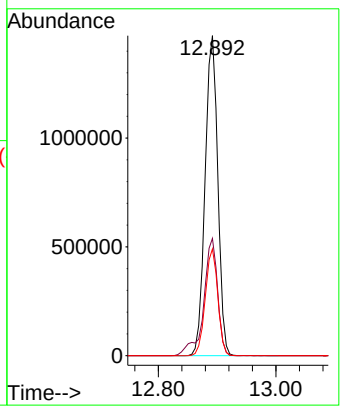


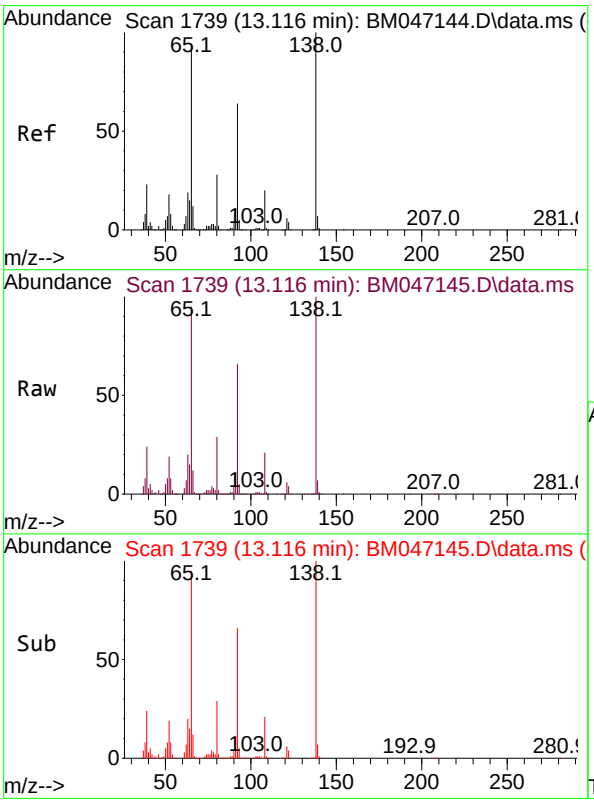
#47
2-Chloronaphthalene
Concen: 47.627 ng
RT: 12.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

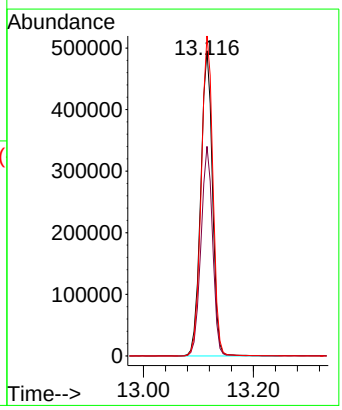


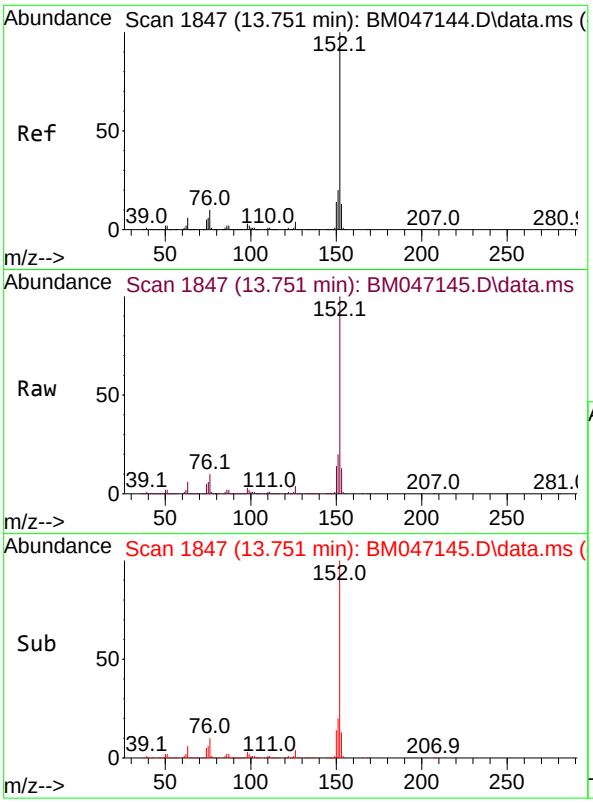


#48
2-Nitroaniline
Concen: 50.459 ng
RT: 13.116 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



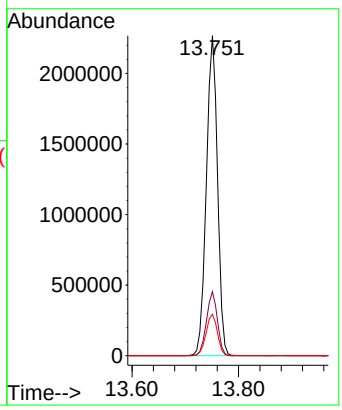


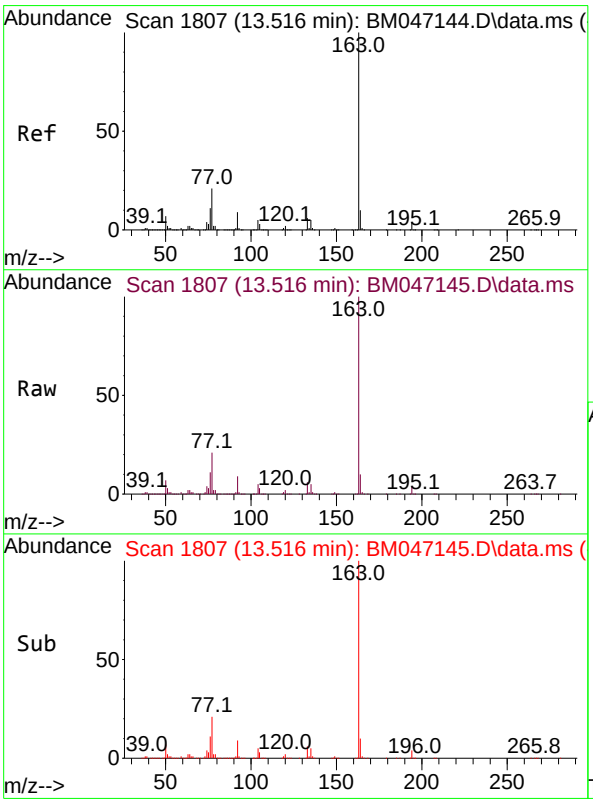
#49
Acenaphthylene
Concen: 48.009 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

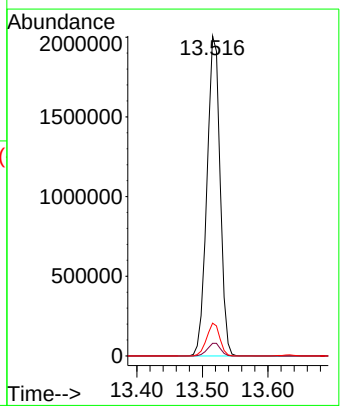


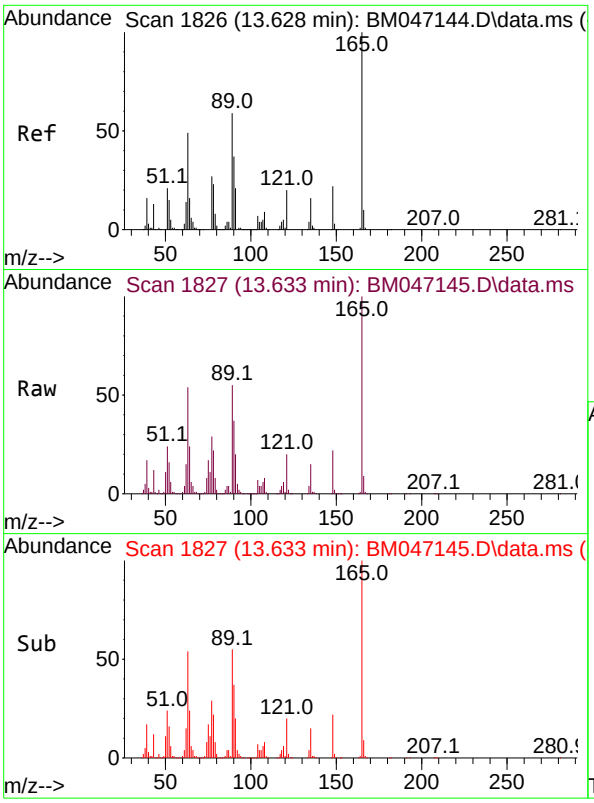


#50
Dimethylphthalate
Concen: 48.073 ng
RT: 13.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



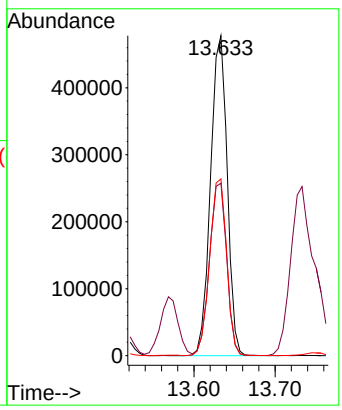


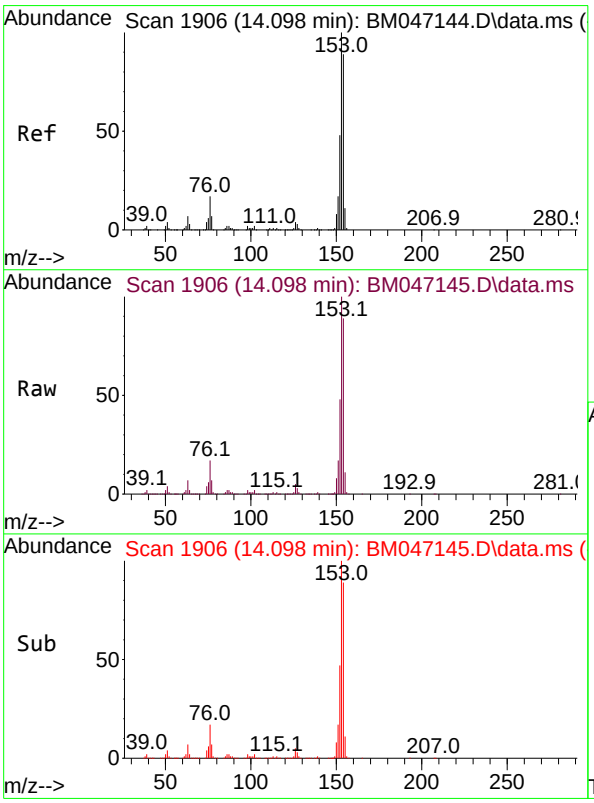
#51
2,6-Dinitrotoluene
Concen: 49.929 ng
RT: 13.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

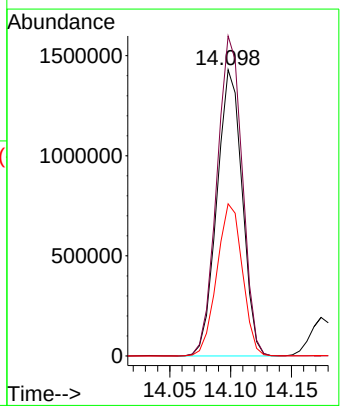


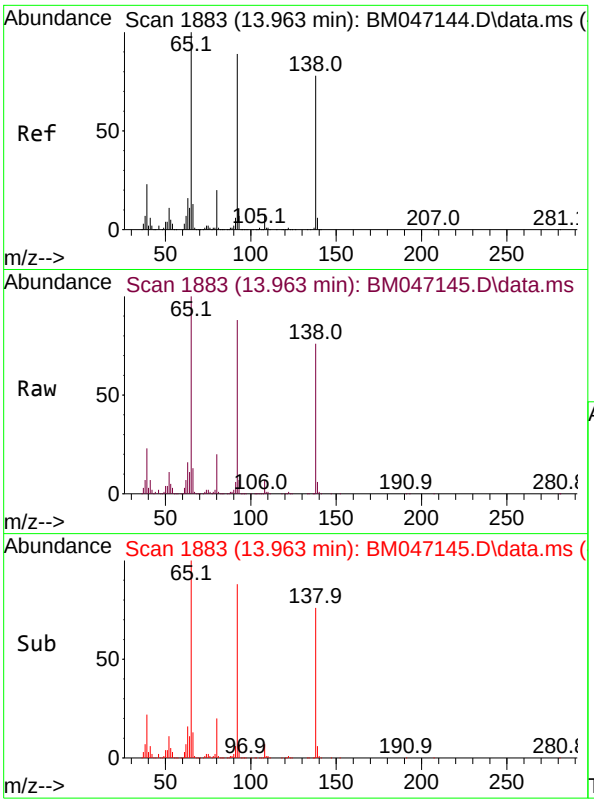


#52
Acenaphthene
Concen: 47.640 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



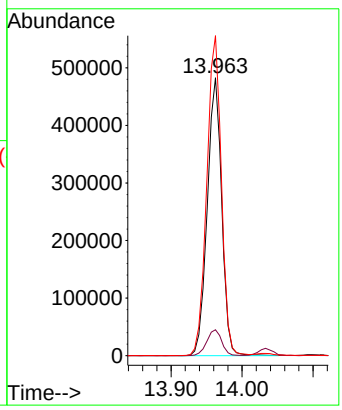


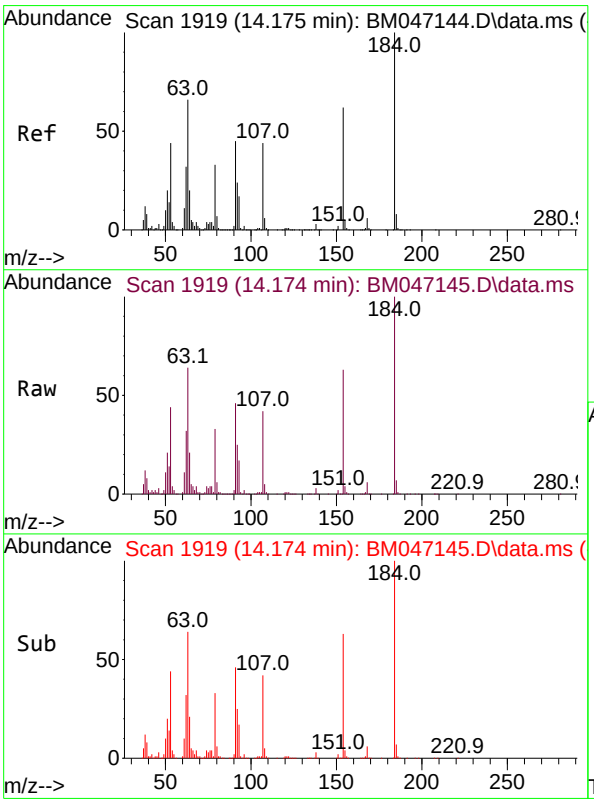
#53
3-Nitroaniline
Concen: 50.067 ng
RT: 13.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

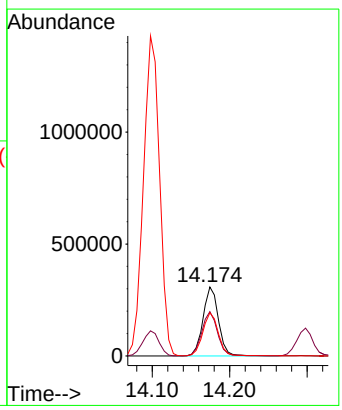


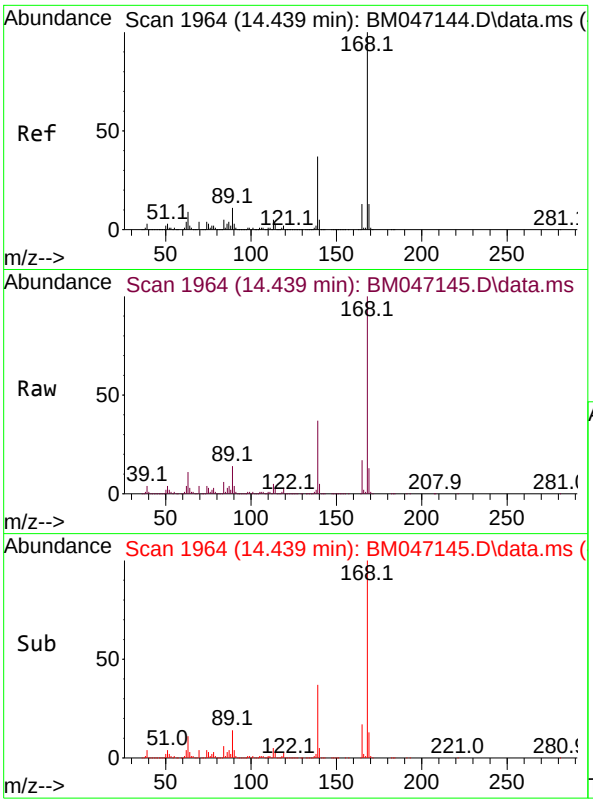


#54
2,4-Dinitrophenol
Concen: 52.012 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



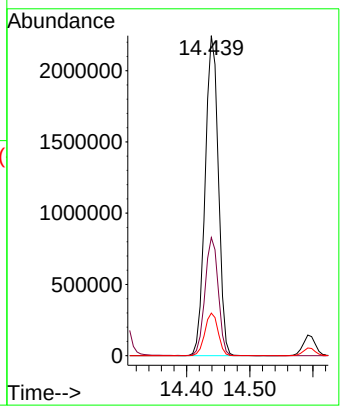


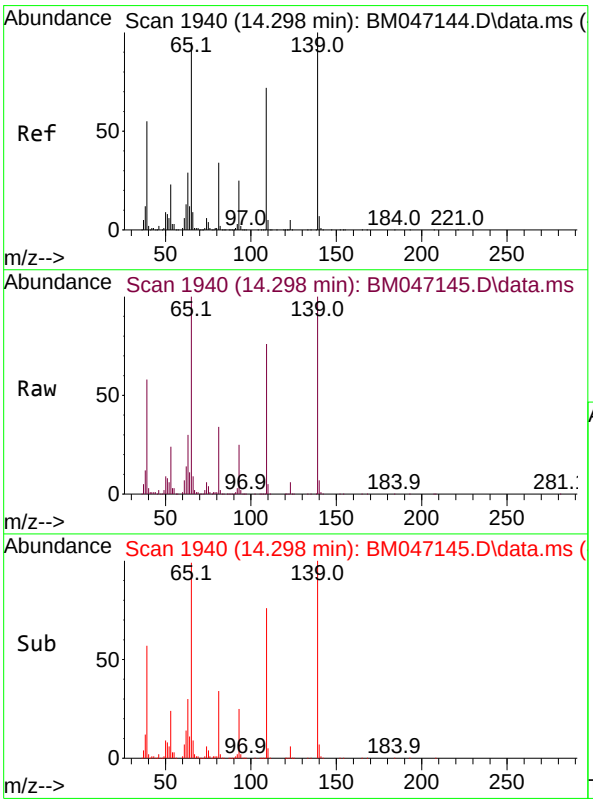
#55
Dibenzofuran
Concen: 47.413 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

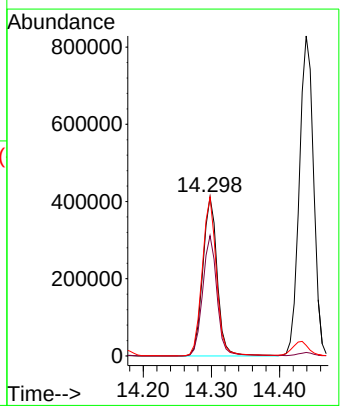


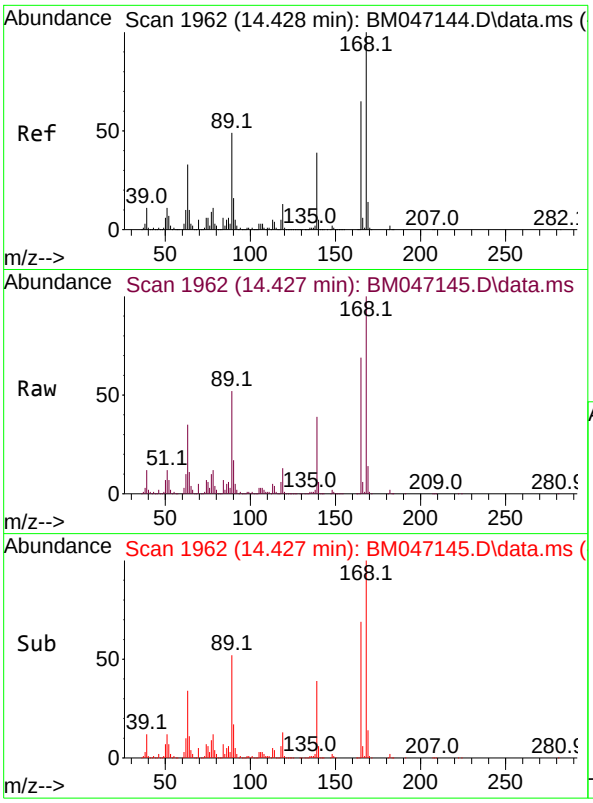


#56
4-Nitrophenol
Concen: 51.542 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



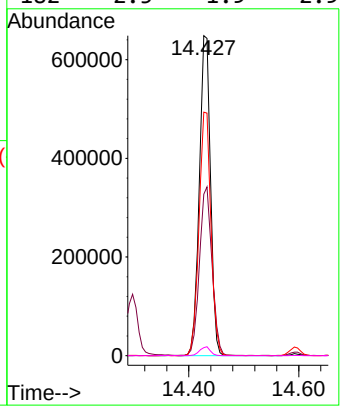


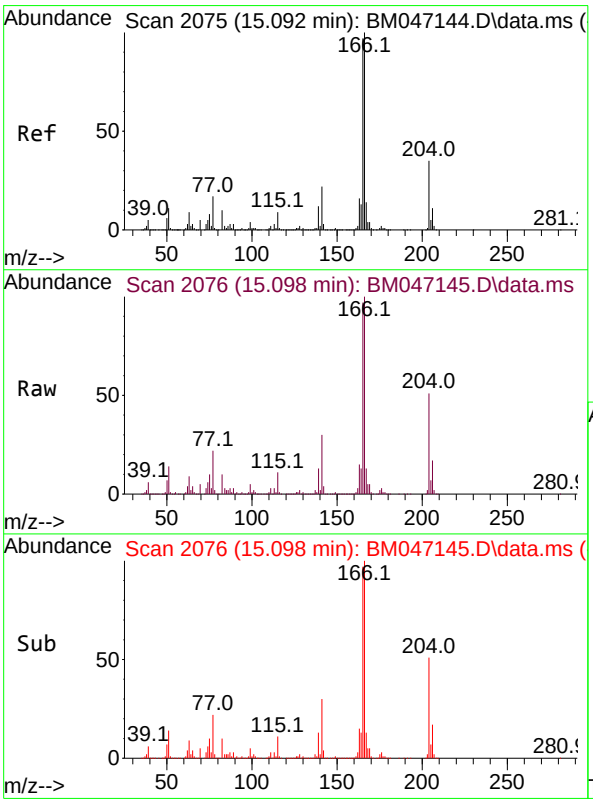
#57
2,4-Dinitrotoluene
Concen: 50.482 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

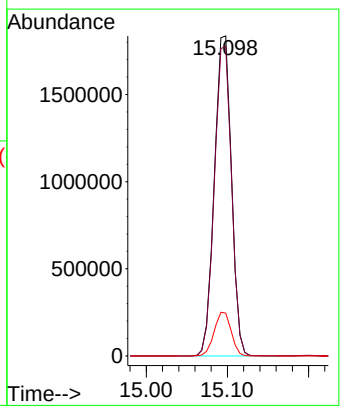


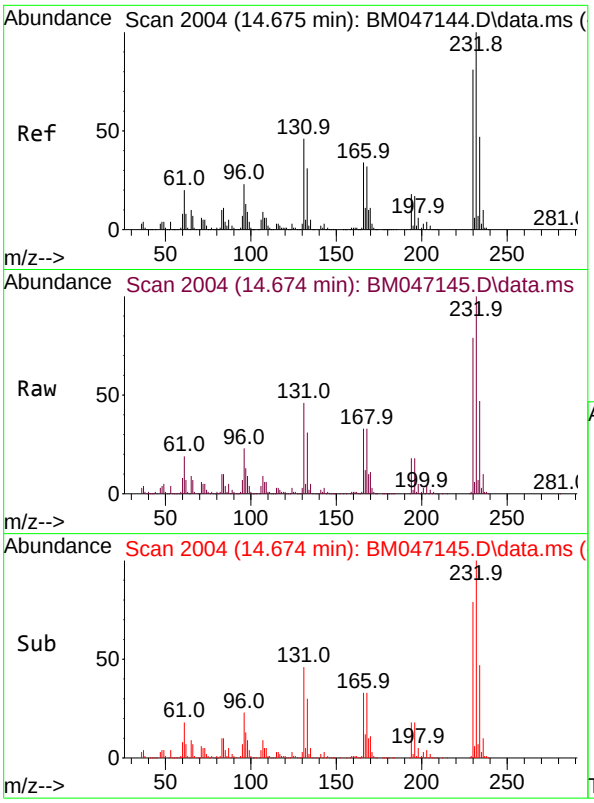


#58
Fluorene
Concen: 47.578 ng
RT: 15.098 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



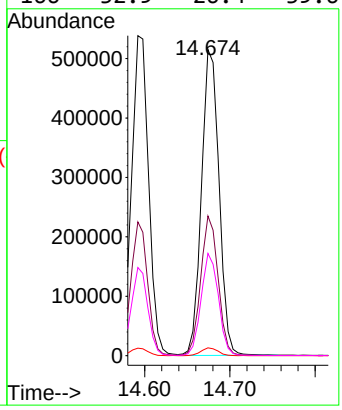


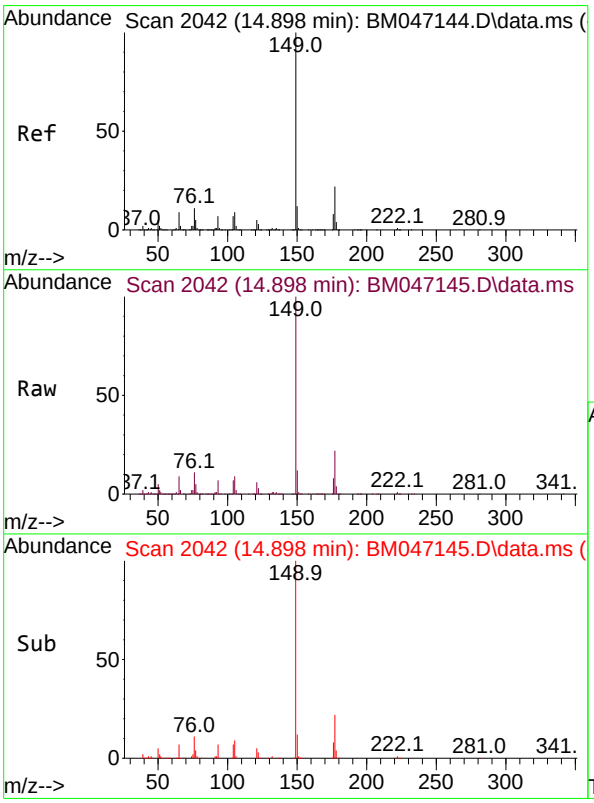
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.022 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

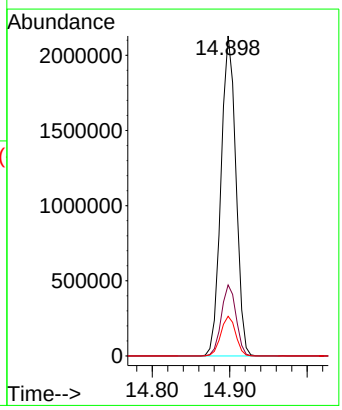


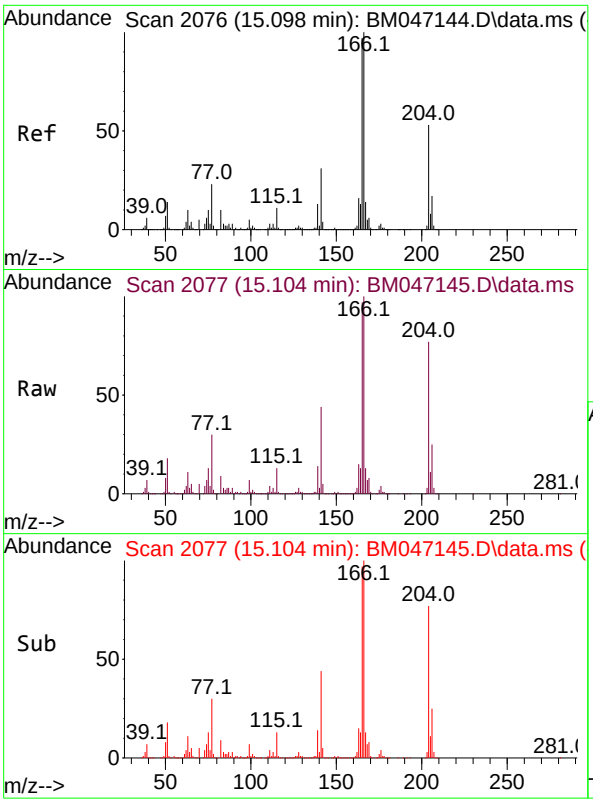


#60
Diethylphthalate
Concen: 47.851 ng
RT: 14.898 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



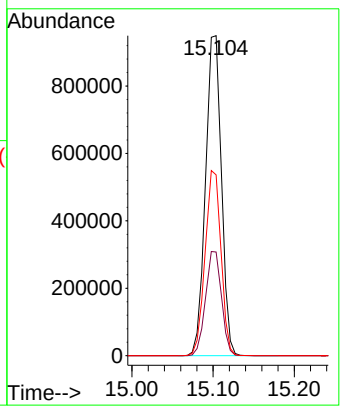


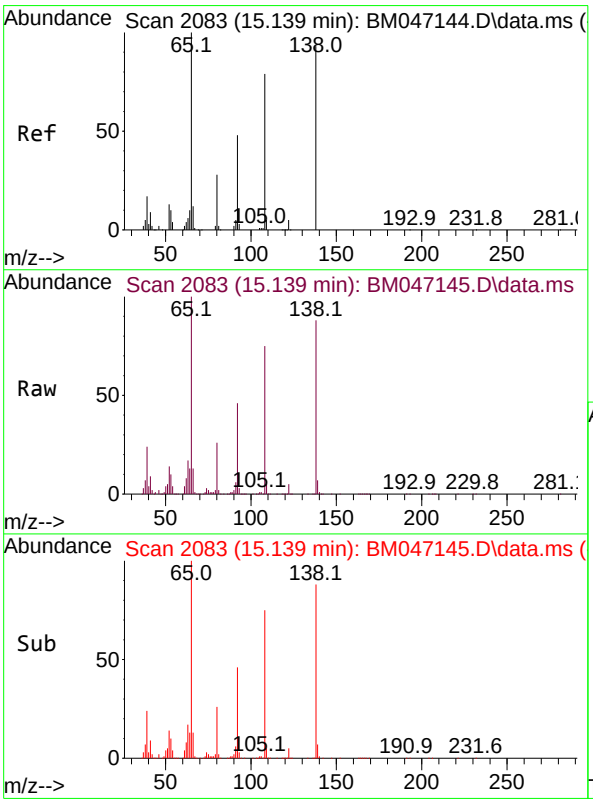
#61
4-Chlorophenyl-phenylether
Concen: 47.901 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

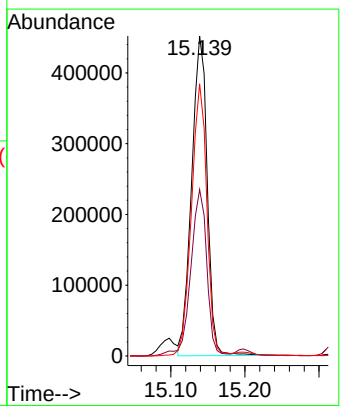


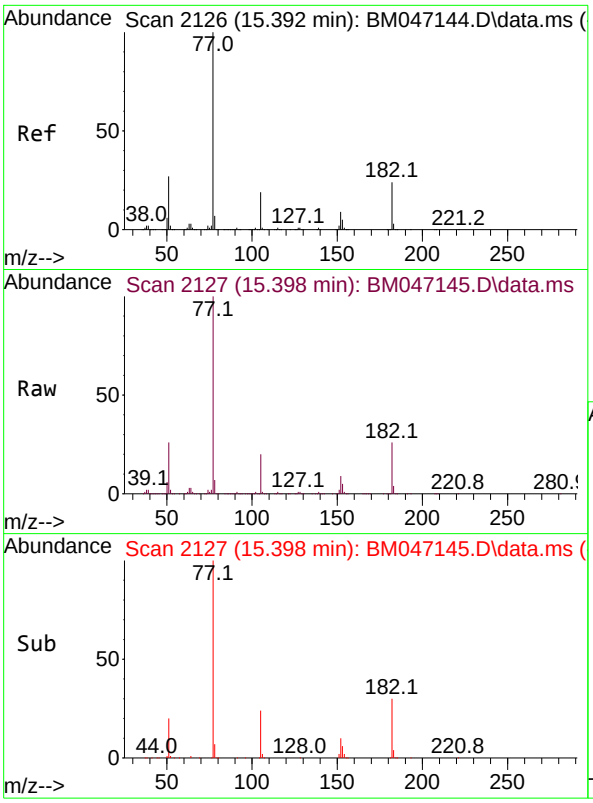


#62
4-Nitroaniline
Concen: 49.229 ng
RT: 15.139 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



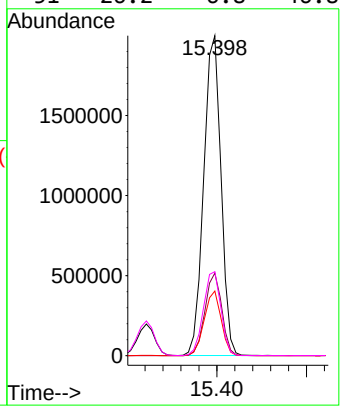


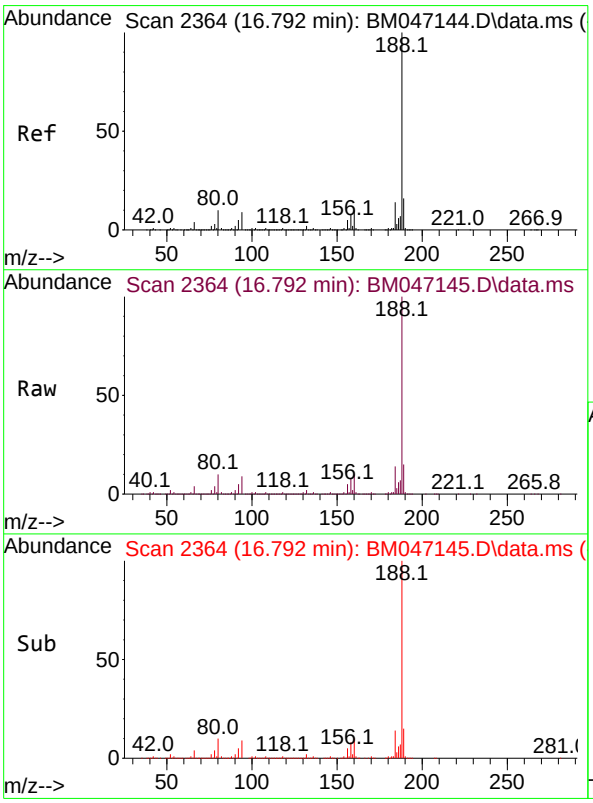
#63
Azobenzene
Concen: 47.334 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

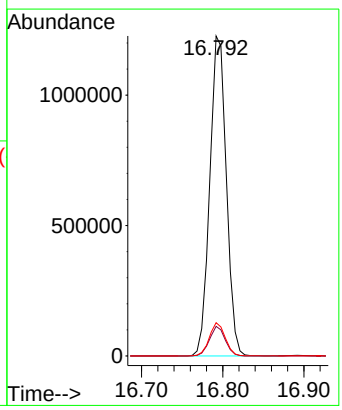


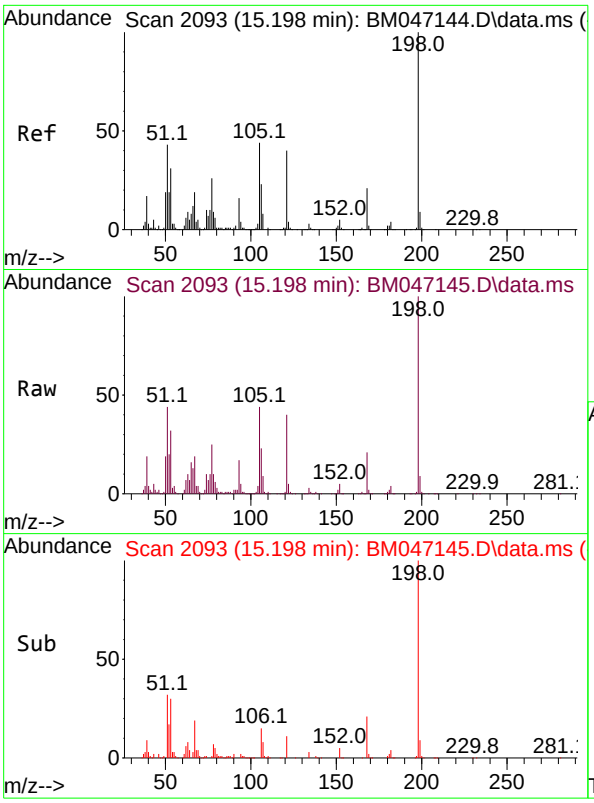


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



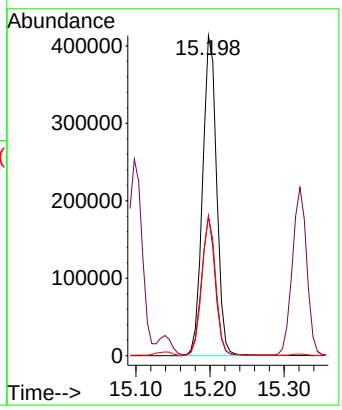


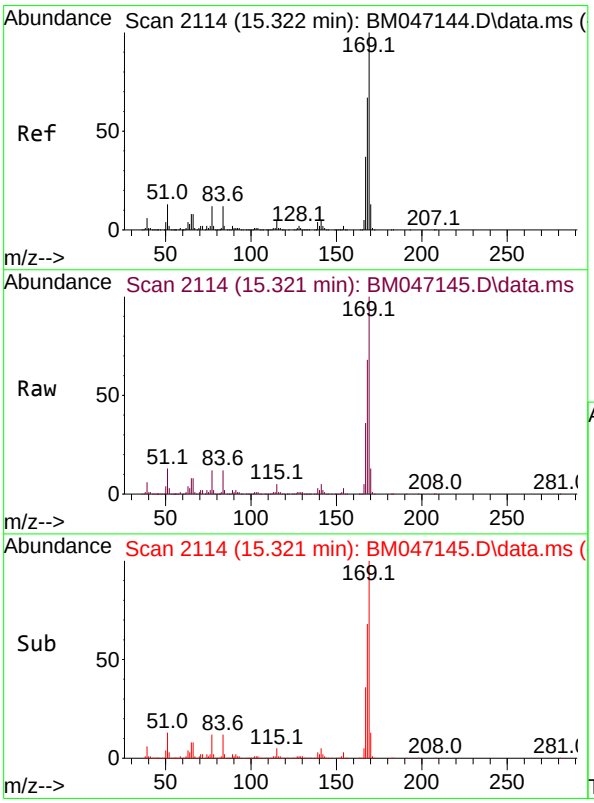
#65
4,6-Dinitro-2-methylphenol
Concen: 53.617 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

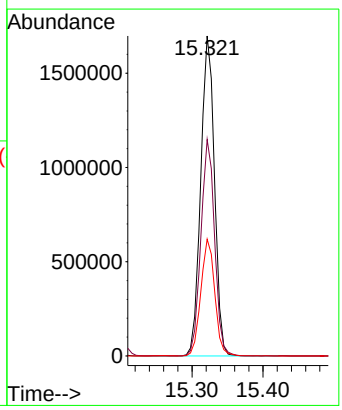


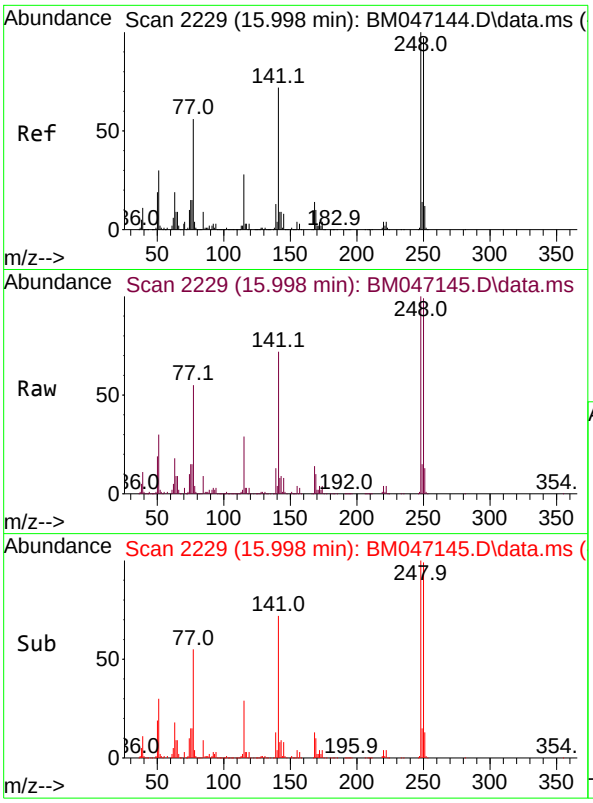


#66
n-Nitrosodiphenylamine
Concen: 48.302 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



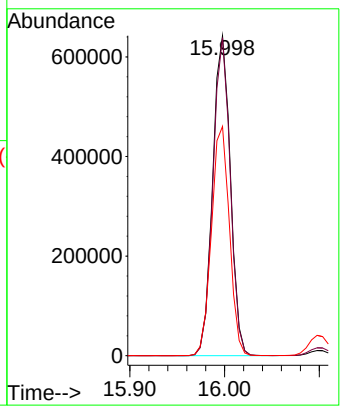


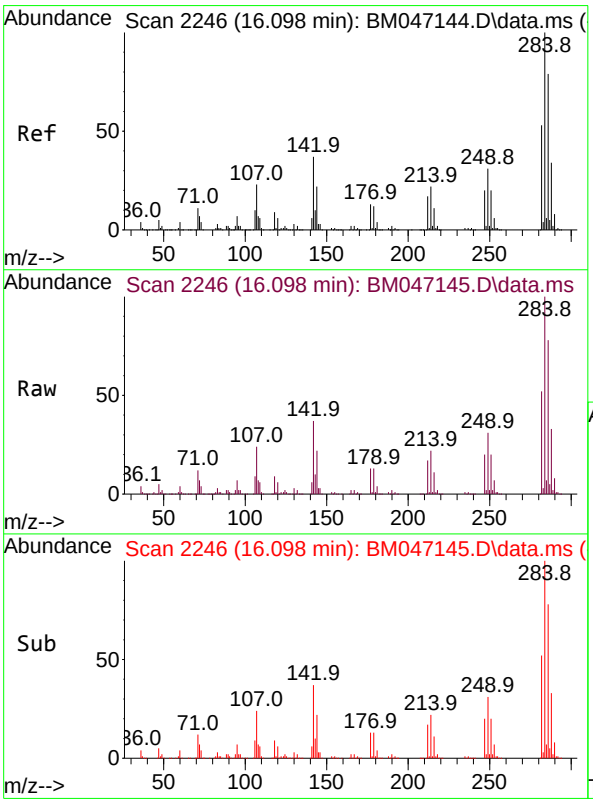
#67
4-Bromophenyl-phenylether
Concen: 49.667 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

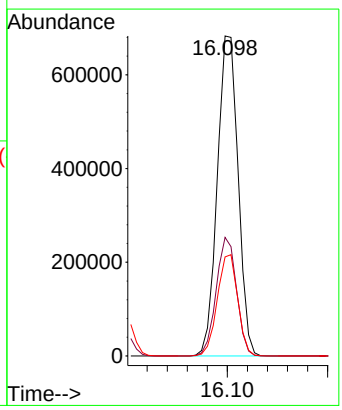


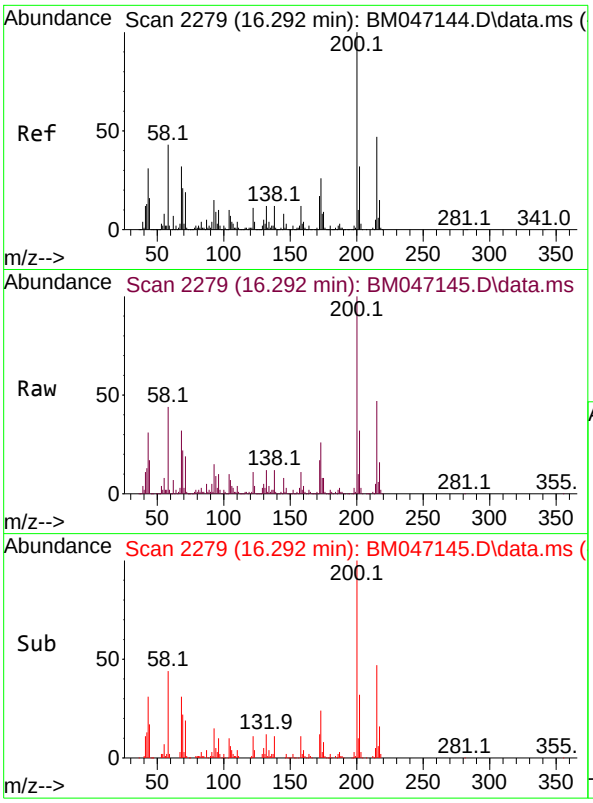


#68
Hexachlorobenzene
Concen: 49.041 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



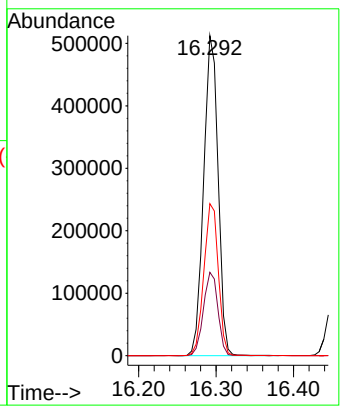


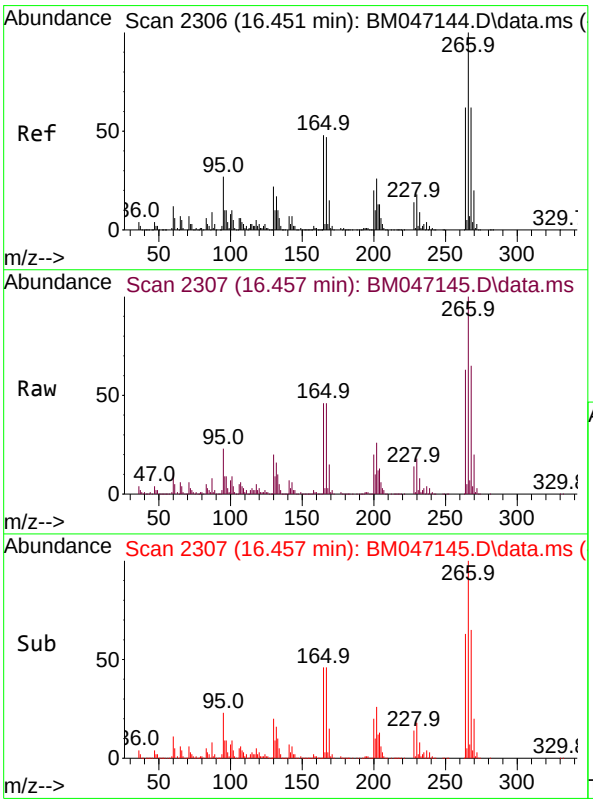
#69
Atrazine
Concen: 46.512 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

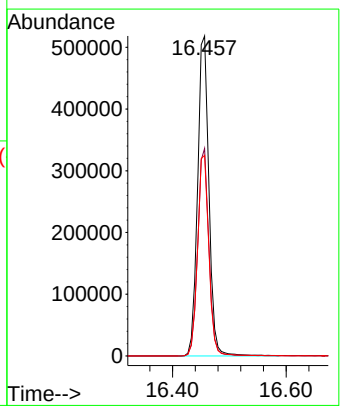


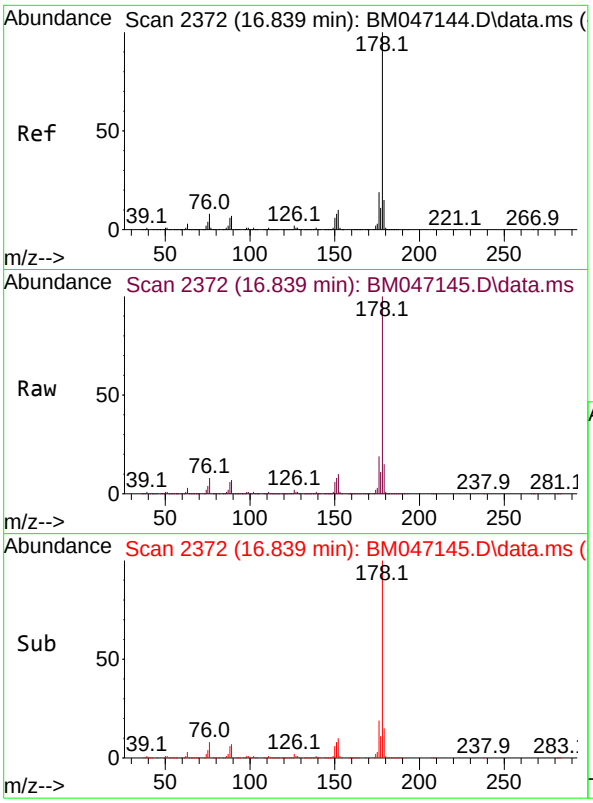


#70
Pentachlorophenol
Concen: 51.201 ng
RT: 16.457 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



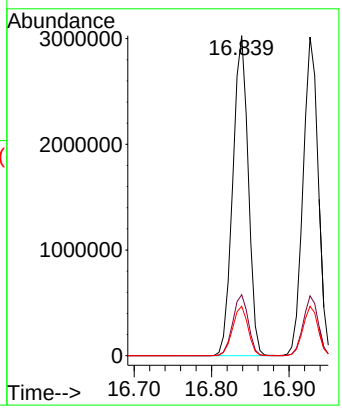


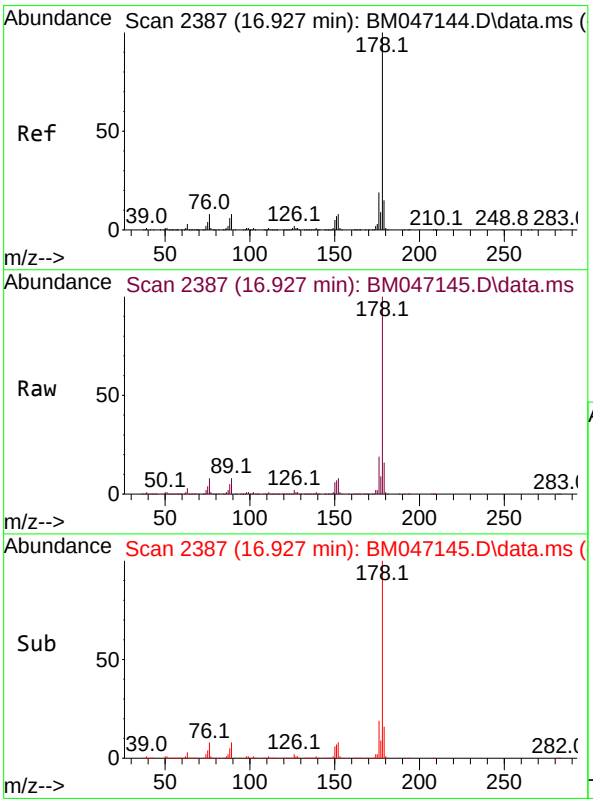
#71
Phenanthrene
Concen: 48.170 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

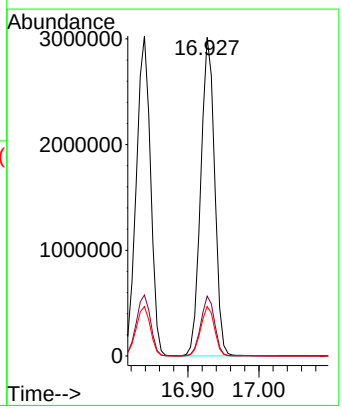


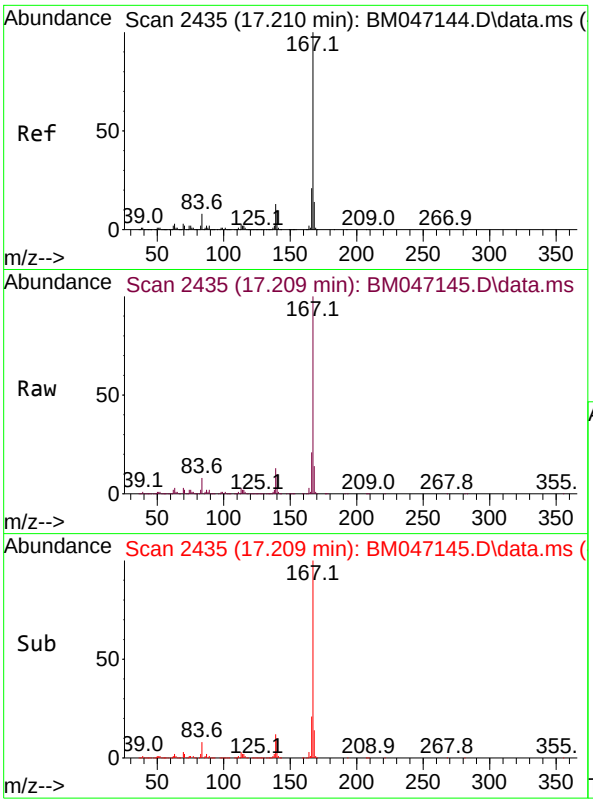


#72
Anthracene
Concen: 48.425 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



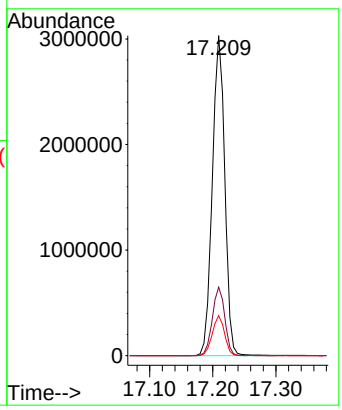


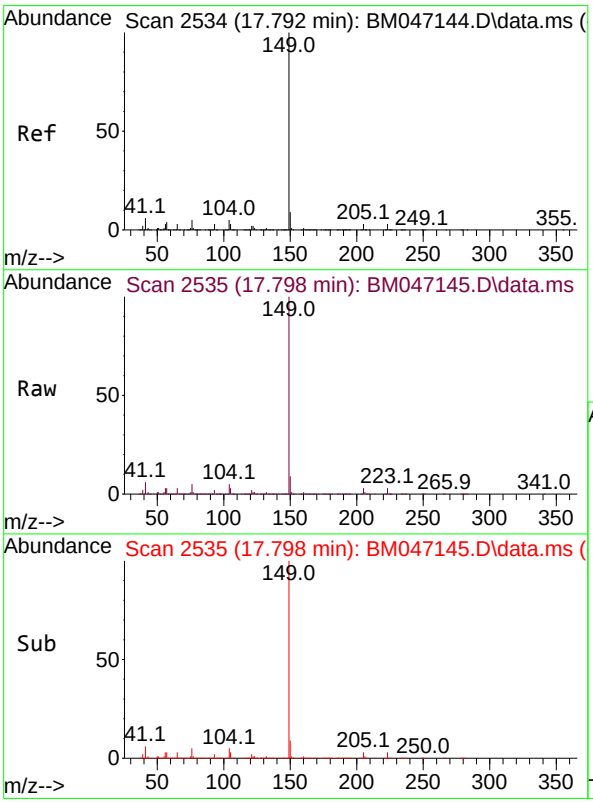
#73
Carbazole
Concen: 47.836 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

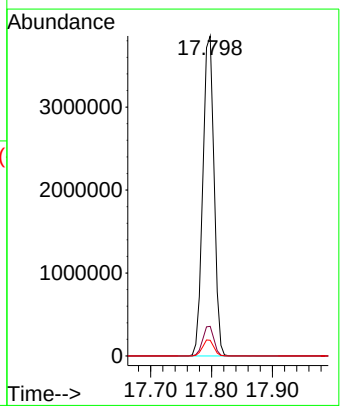


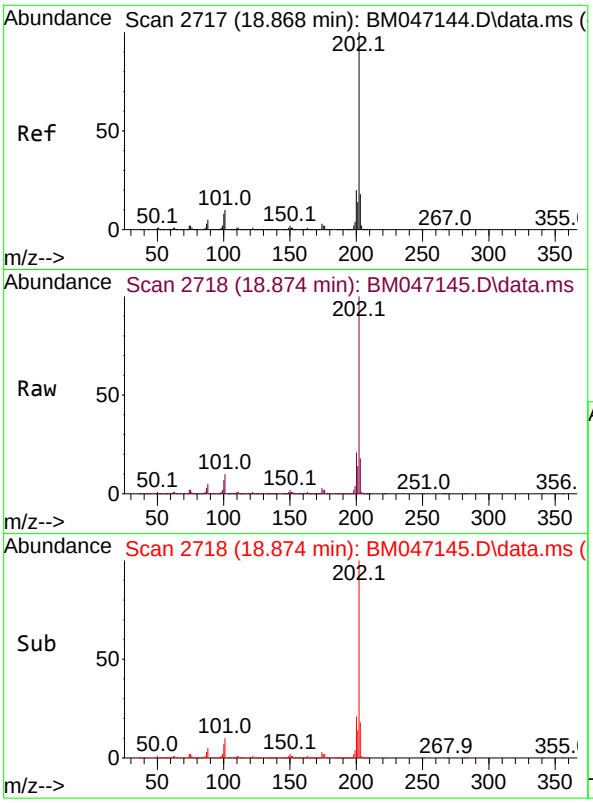


#74
Di-n-butylphthalate
Concen: 48.863 ng
RT: 17.798 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



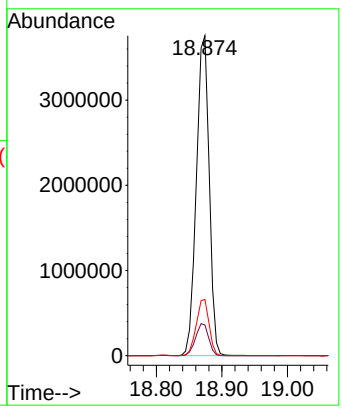


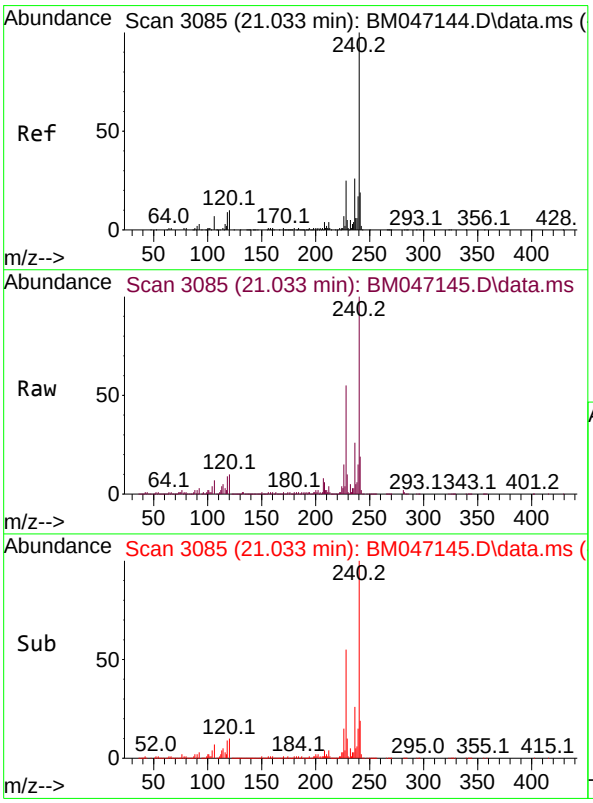
#75
Fluoranthene
Concen: 48.293 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

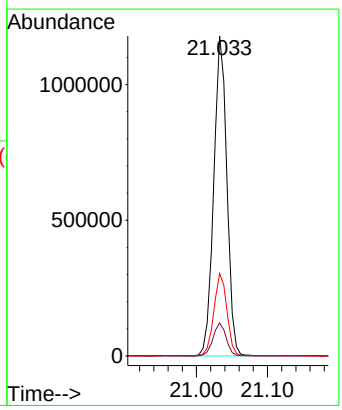


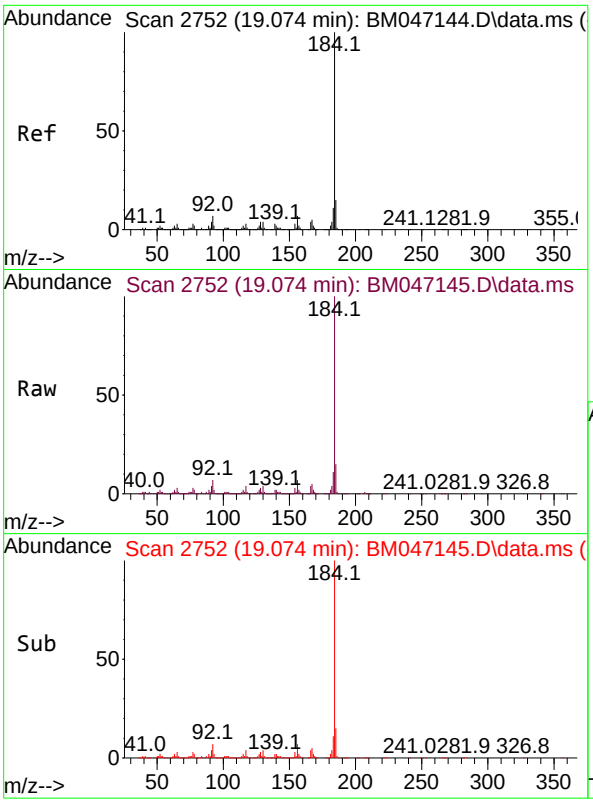


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



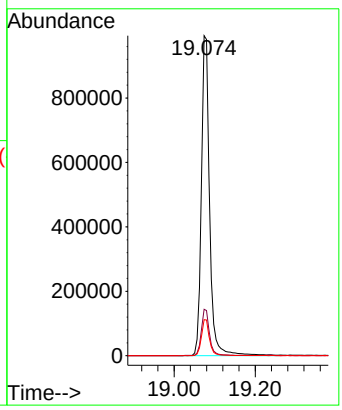


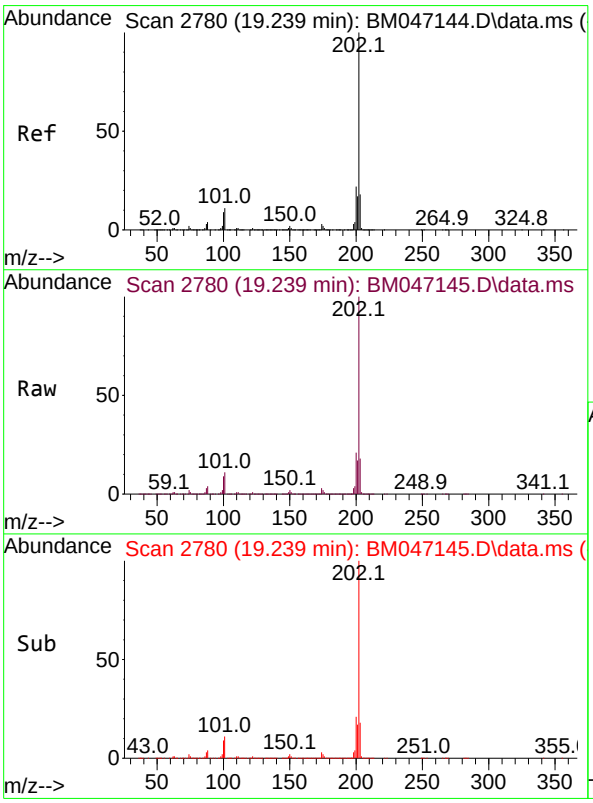
#77
Benzidine
Concen: 54.615 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

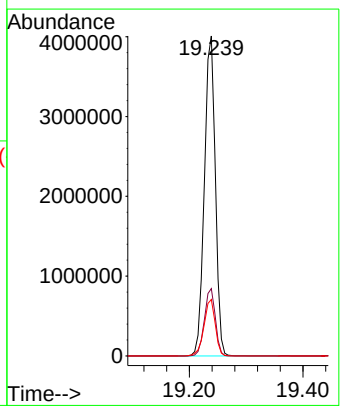


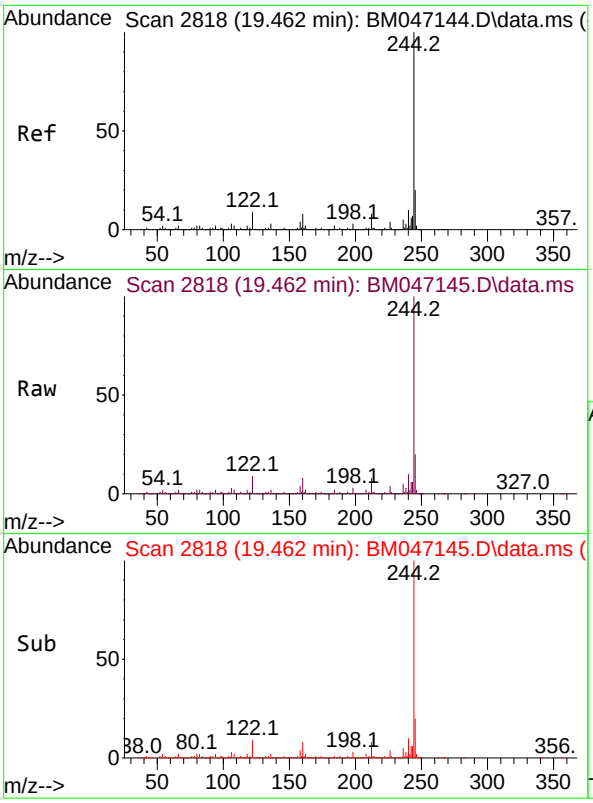


#78
Pyrene
Concen: 49.505 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



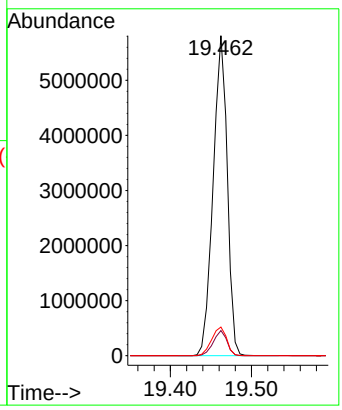


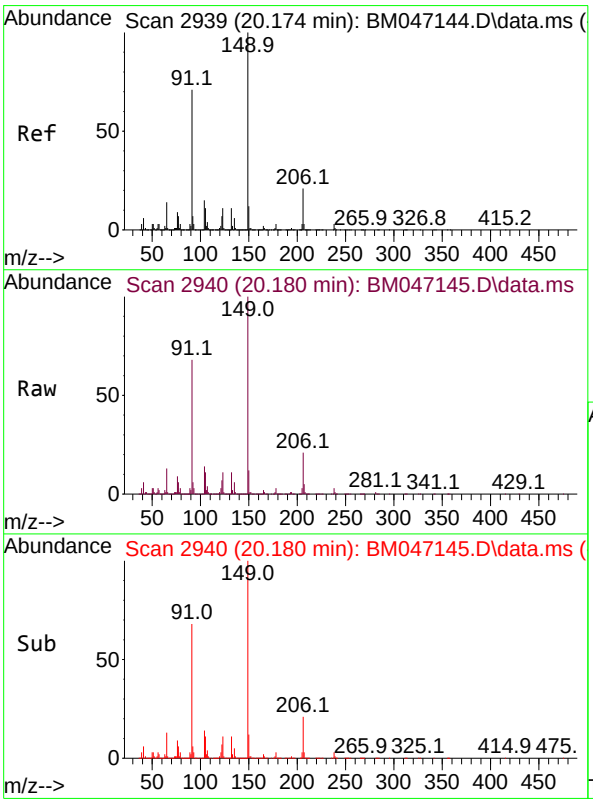
#79
Terphenyl-d14
Concen: 99.443 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

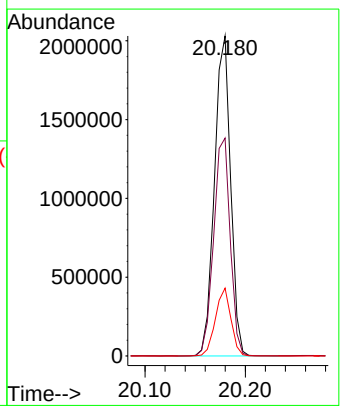


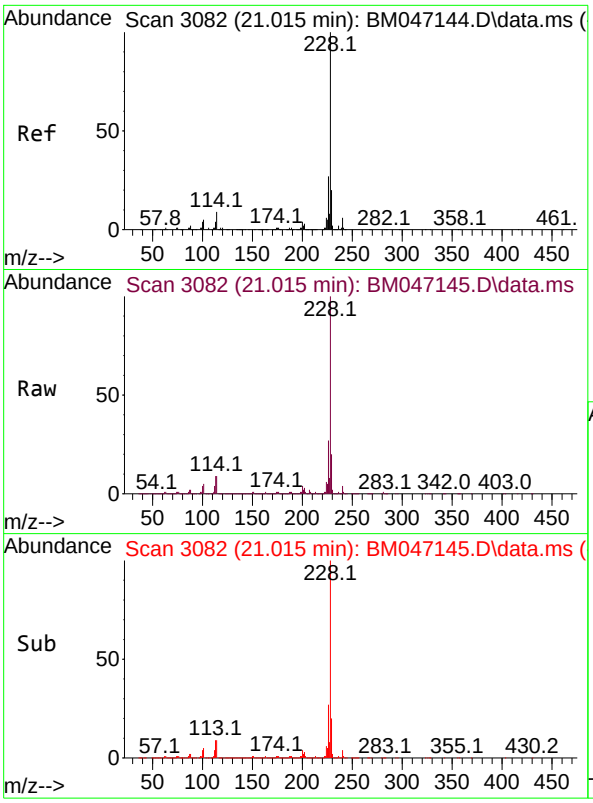


#80
Butylbenzylphthalate
Concen: 51.348 ng
RT: 20.180 min Scan# 2940
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



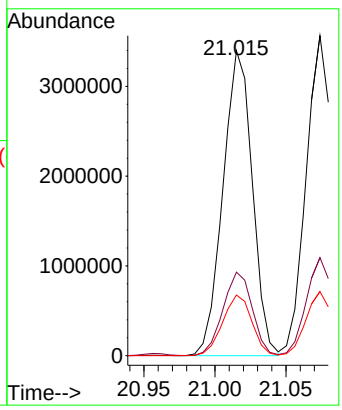


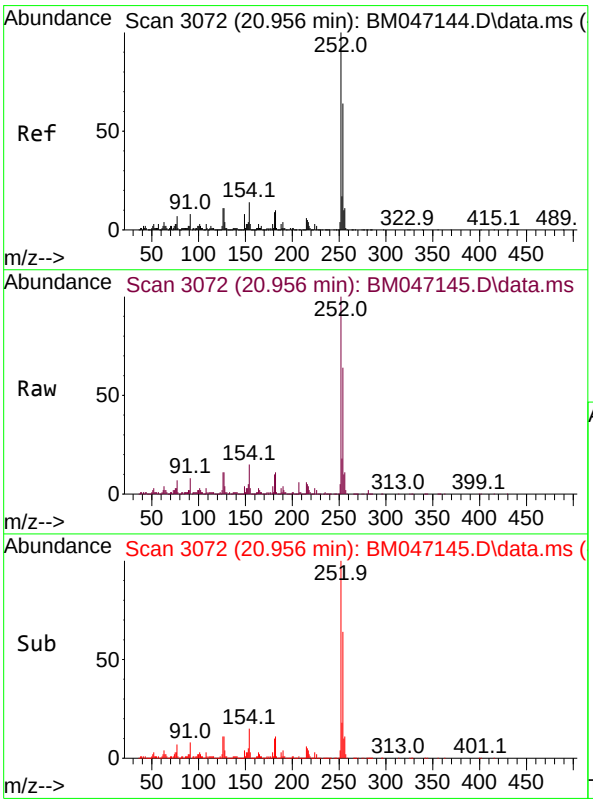
#81
Benzo(a)anthracene
Concen: 48.632 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

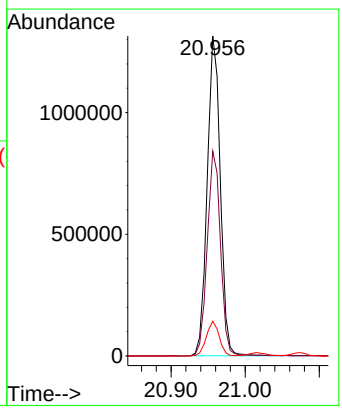


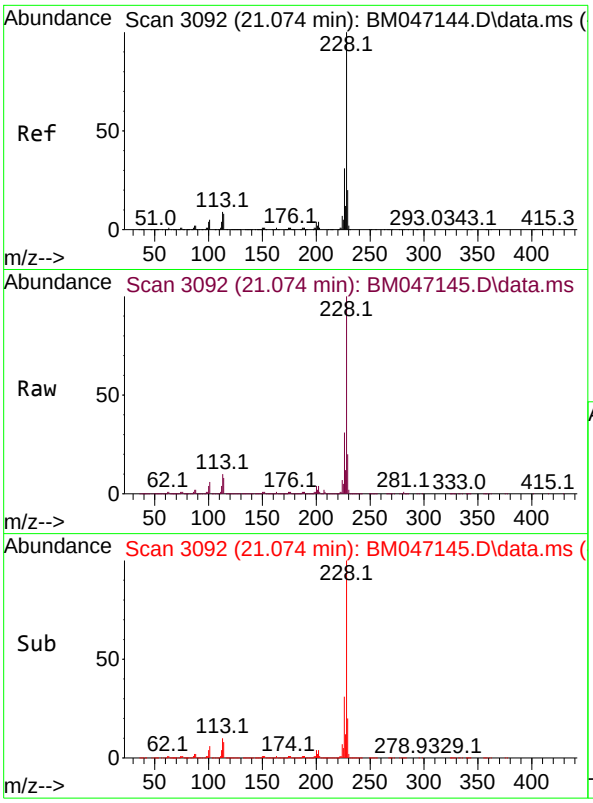


#82
3,3'-Dichlorobenzidine
Concen: 51.403 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



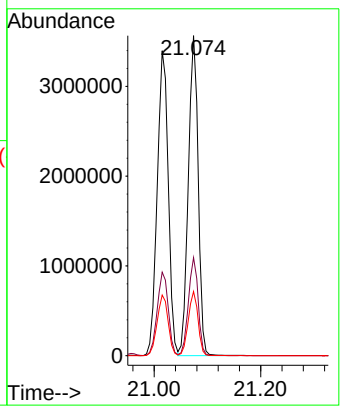


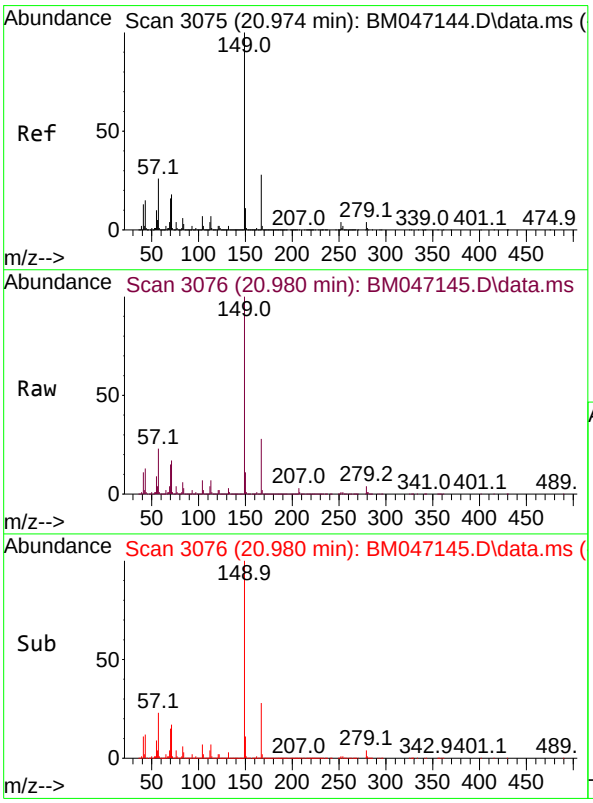
#83
Chrysene
Concen: 48.178 ng
RT: 21.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

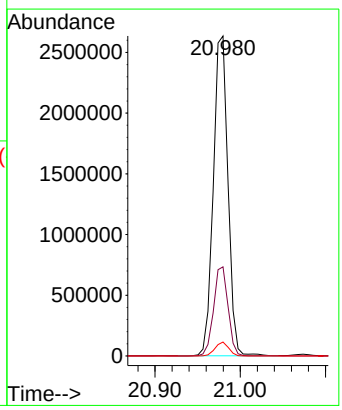


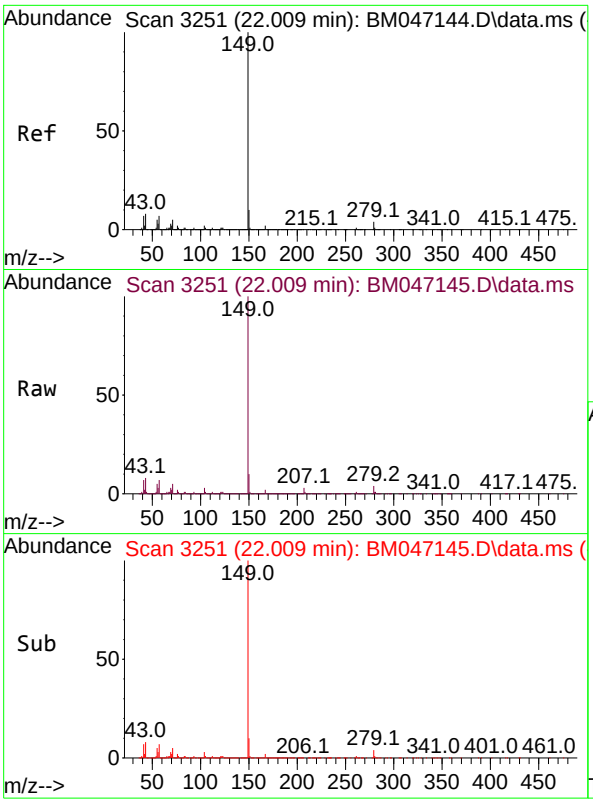


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.331 ng
RT: 20.980 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



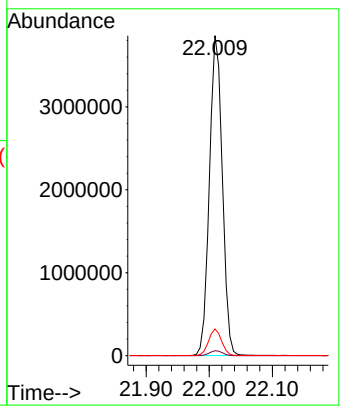


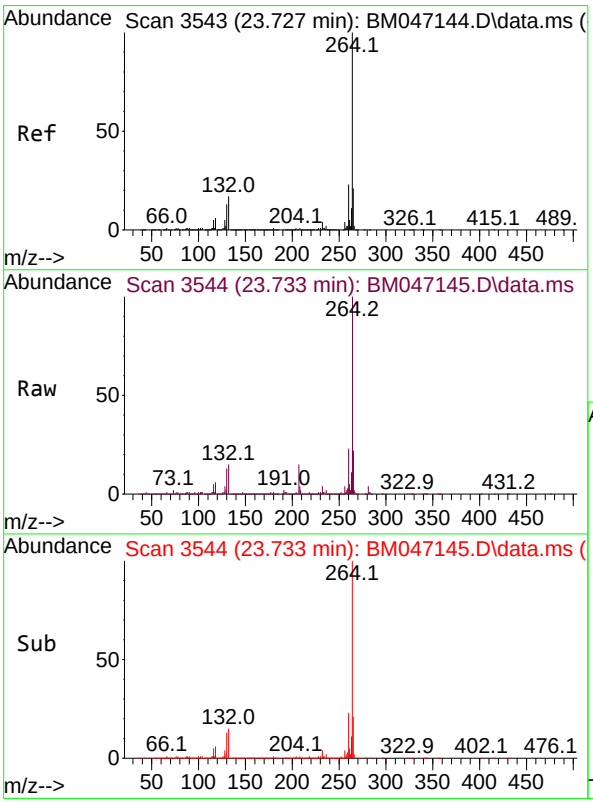
#85
Di-n-octyl phthalate
Concen: 51.591 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

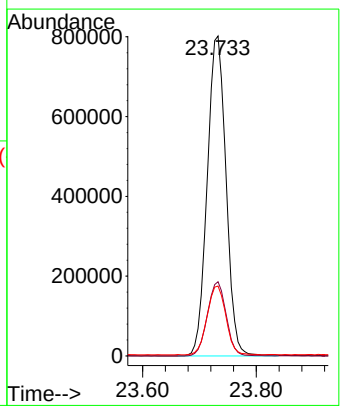


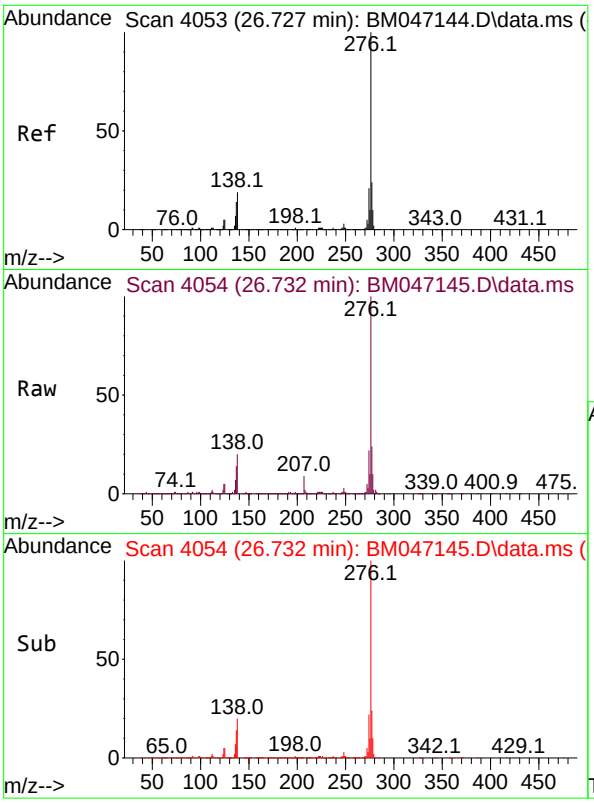


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



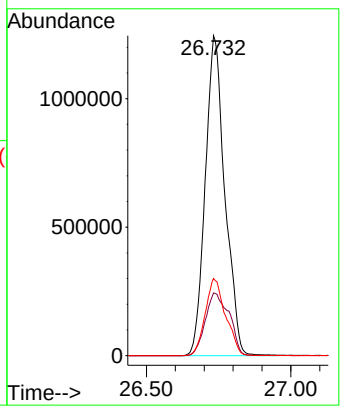


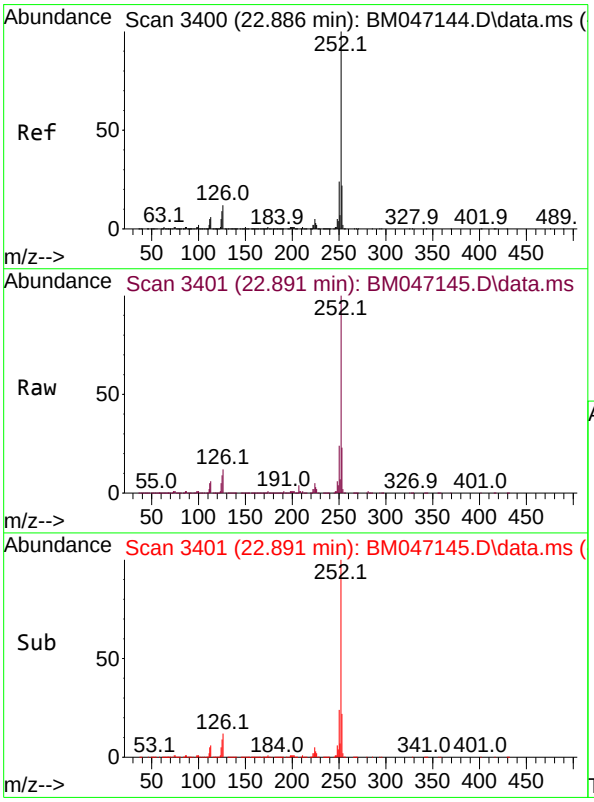
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.416 ng
RT: 26.732 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

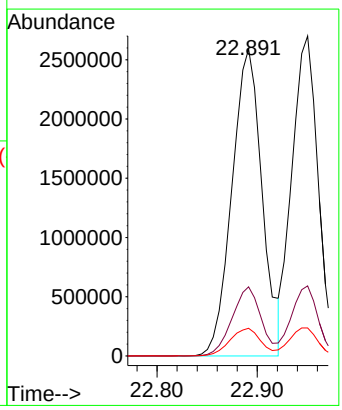


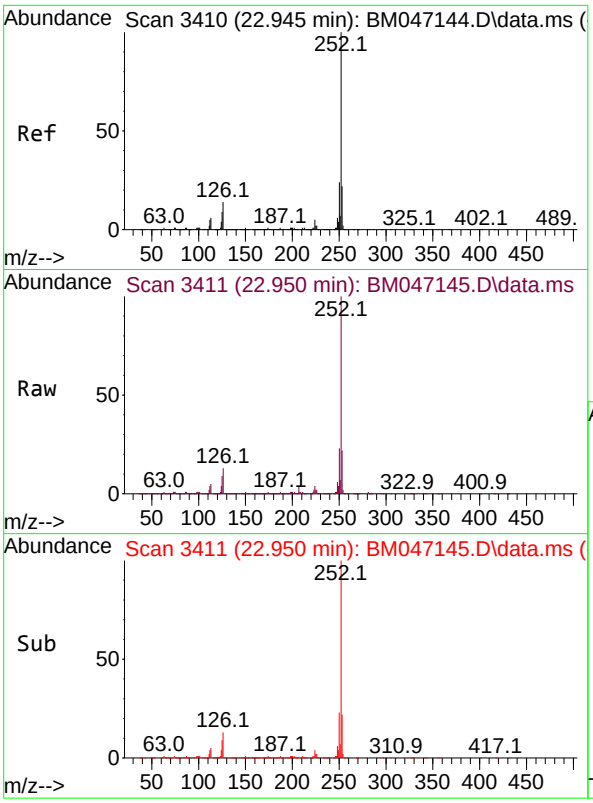


#88
Benzo(b)fluoranthene
Concen: 49.618 ng
RT: 22.891 min Scan# 3401
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



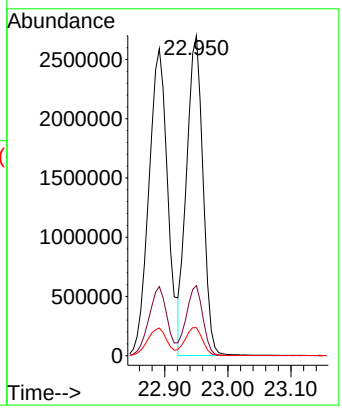


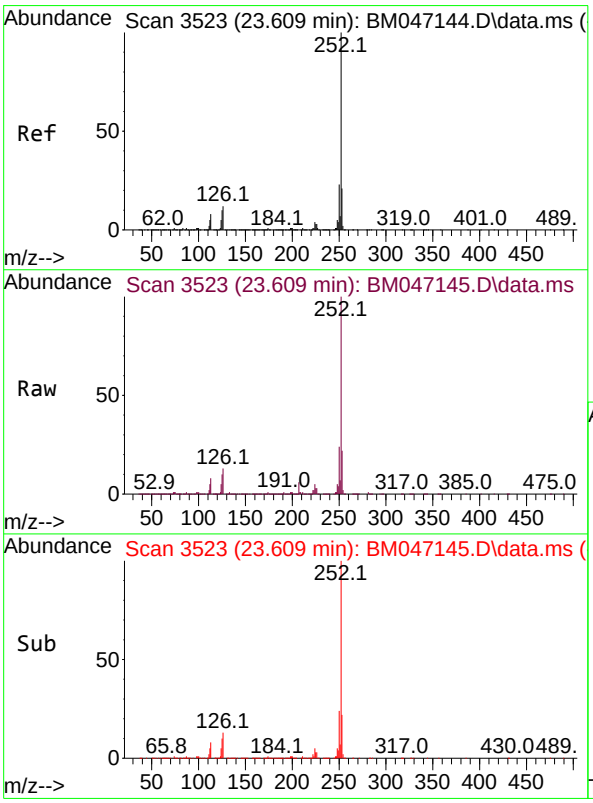
#89
Benzo(k)fluoranthene
Concen: 47.199 ng
RT: 22.950 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

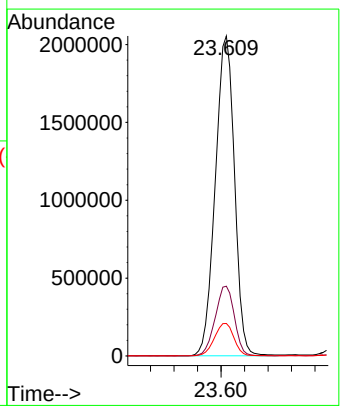


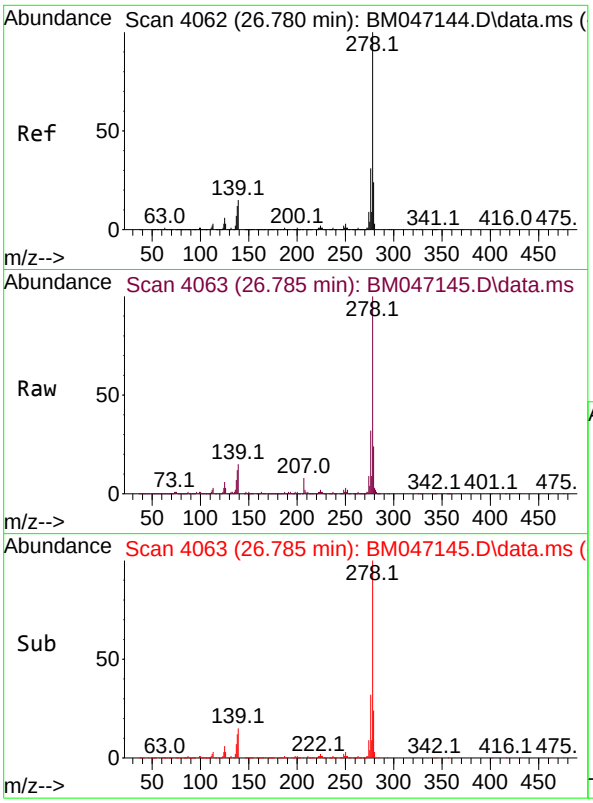


#90
Benzo(a)pyrene
Concen: 49.170 ng
RT: 23.609 min Scan# 3523
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



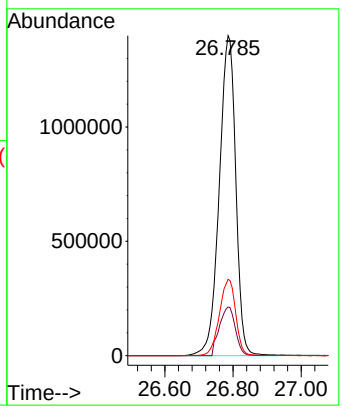


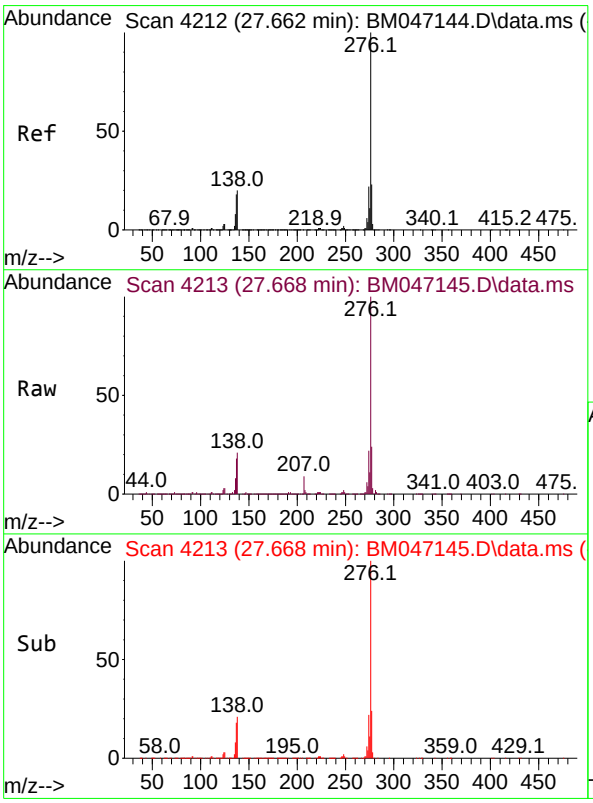
#91
Dibenzo(a,h)anthracene
Concen: 48.774 ng
RT: 26.785 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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

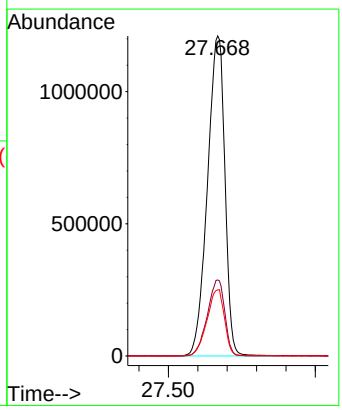




#92
Benzo(g,h,i)perylene
Concen: 49.812 ng
RT: 27.668 min Scan# 4213
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

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



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

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

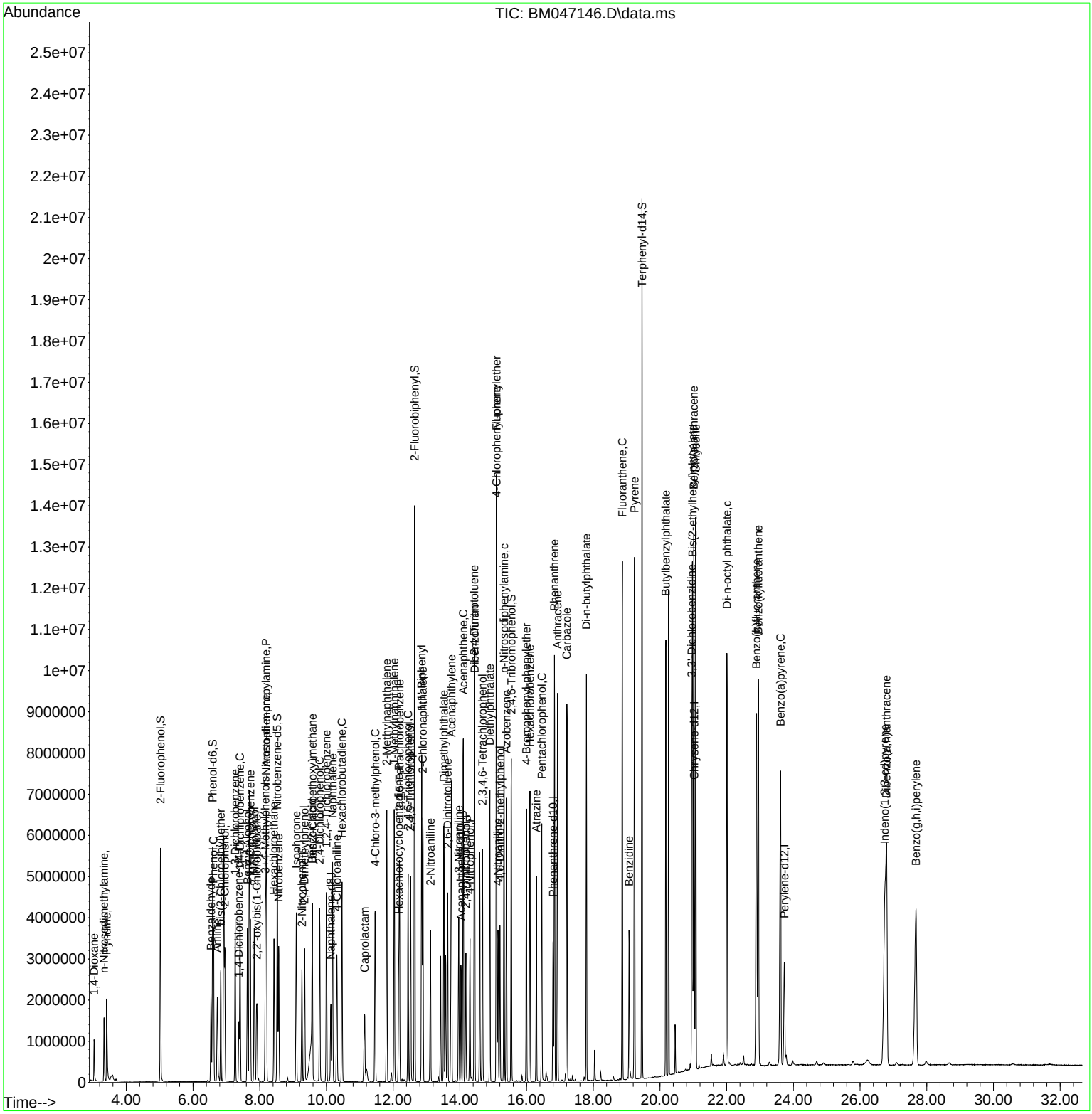
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	1329069	62.287	ng		98
46) 1,1'-Biphenyl	12.857	154	4126067	58.466	ng		99
47) 2-Chloronaphthalene	12.892	162	3192787	57.882	ng		99
48) 2-Nitroaniline	13.121	65	1051464	60.847	ng		100
49) Acenaphthylene	13.751	152	4765674	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

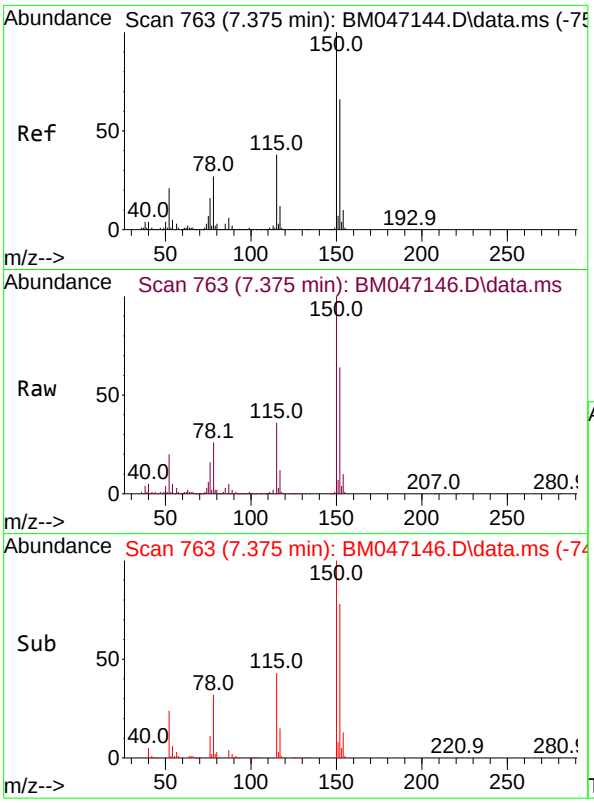
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



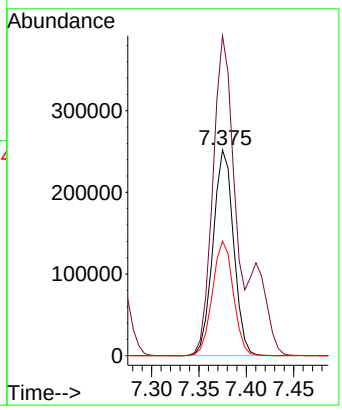


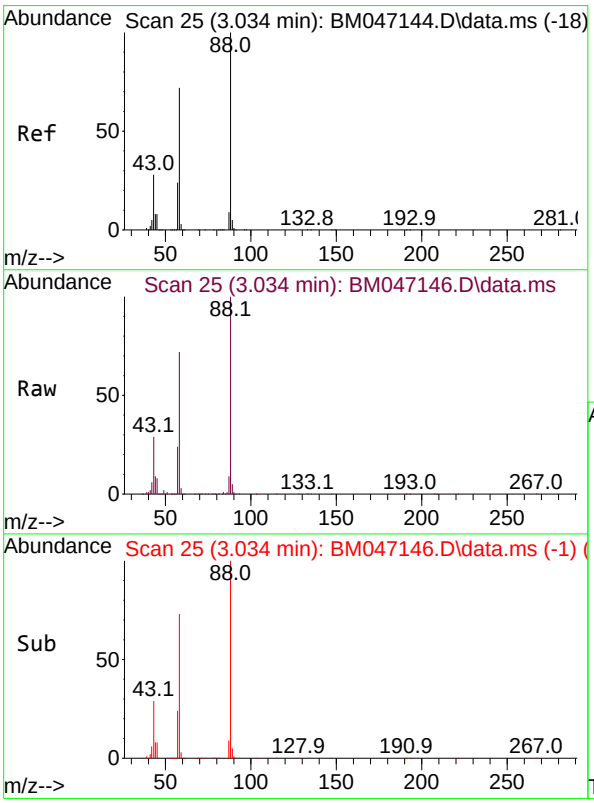
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

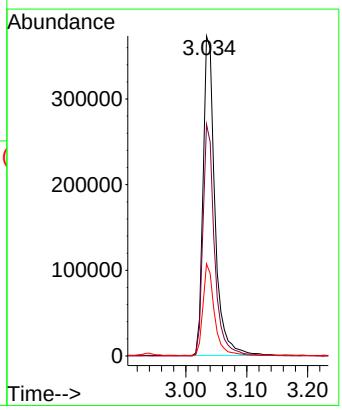


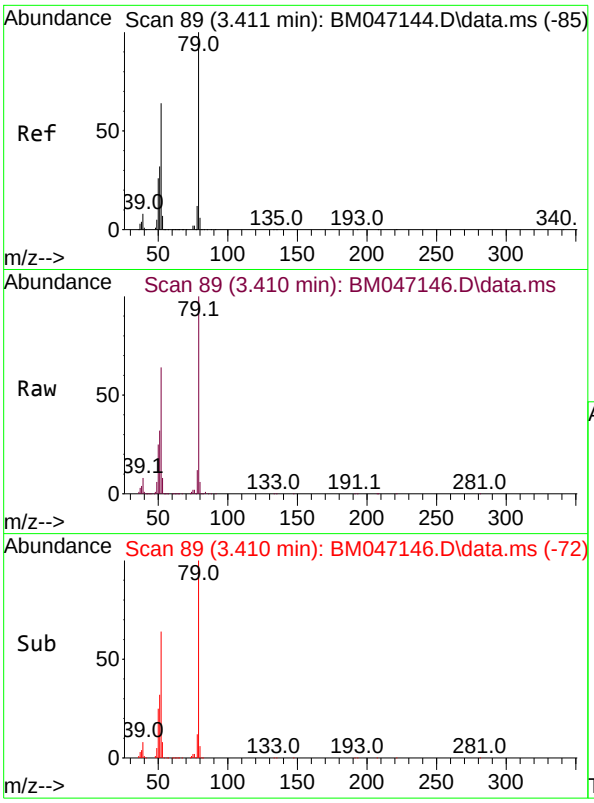


#2
1,4-Dioxane
Concen: 57.225 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



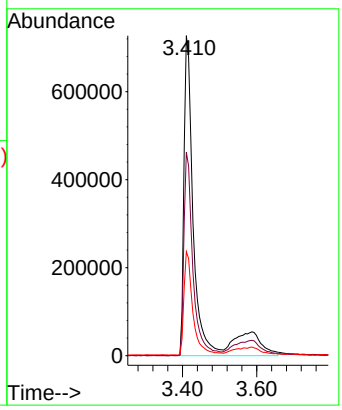


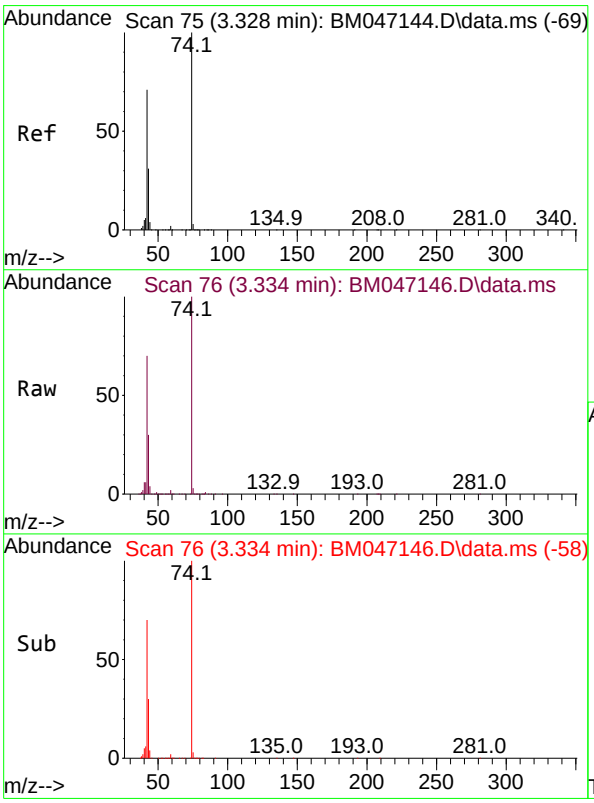
#3
Pyridine
Concen: 58.377 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

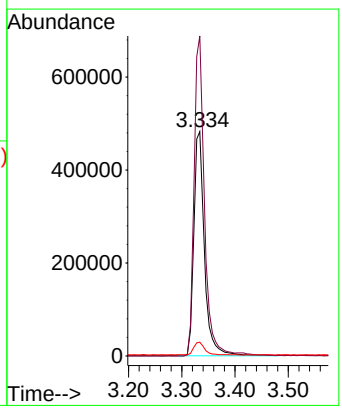


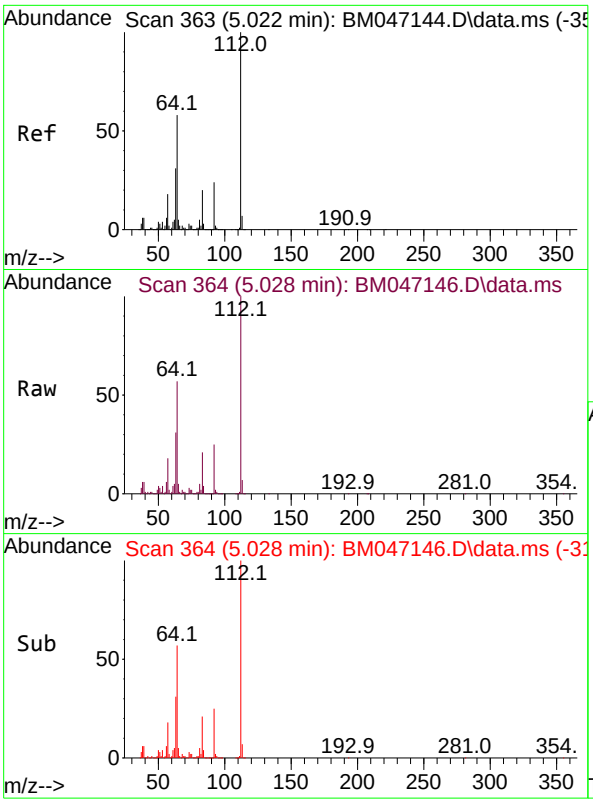


#4
n-Nitrosodimethylamine
Concen: 58.875 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



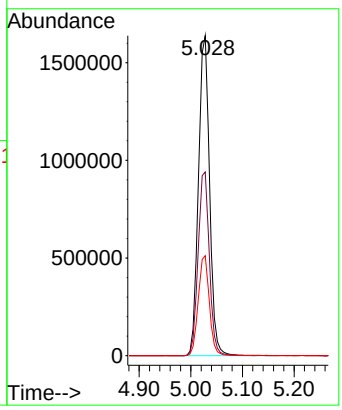


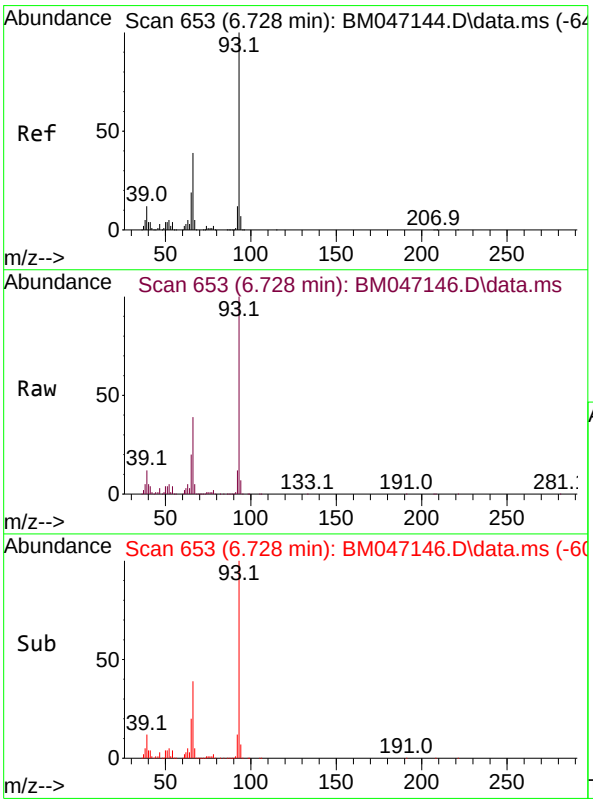
#5
2-Fluorophenol
Concen: 114.860 ng
RT: 5.028 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

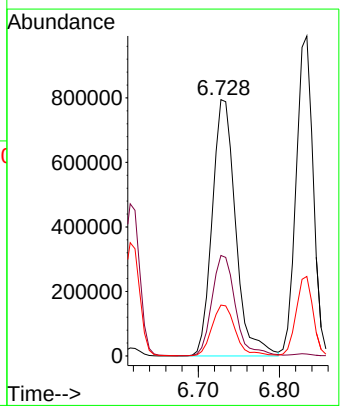


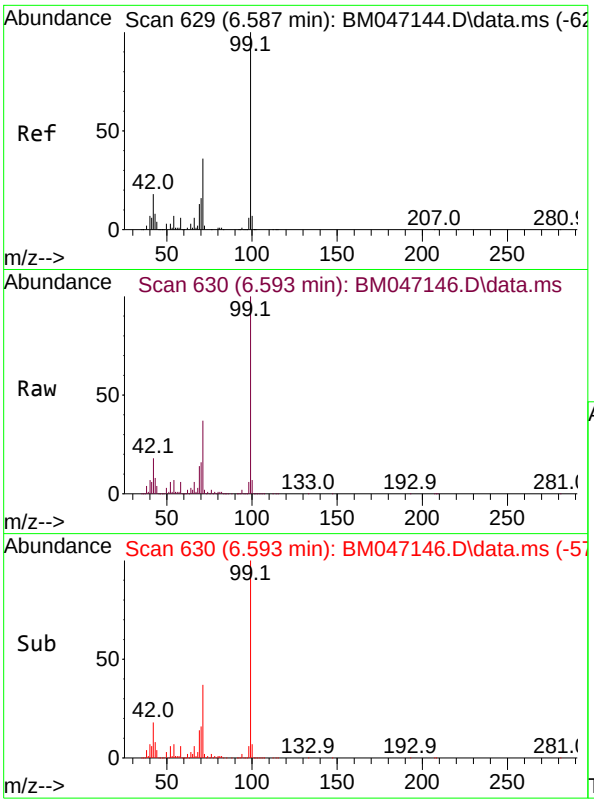


#6
Aniline
Concen: 57.431 ng
RT: 6.728 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



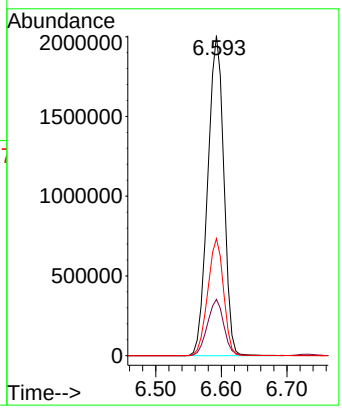


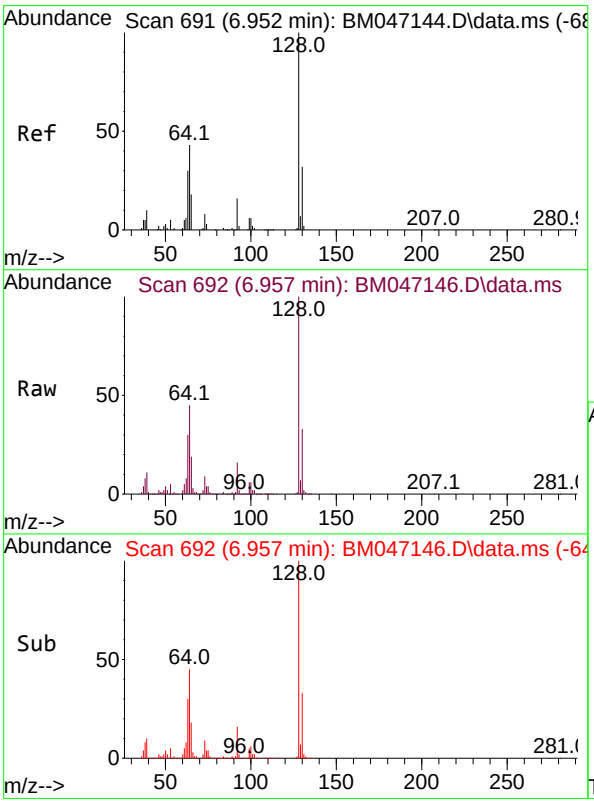
#7
Phenol-d6
Concen: 116.214 ng
RT: 6.593 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

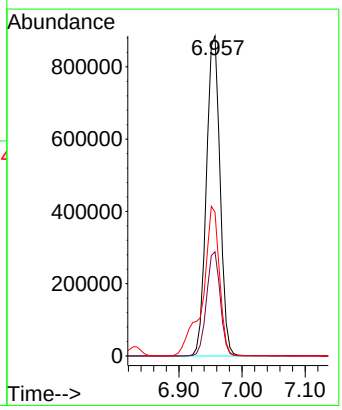


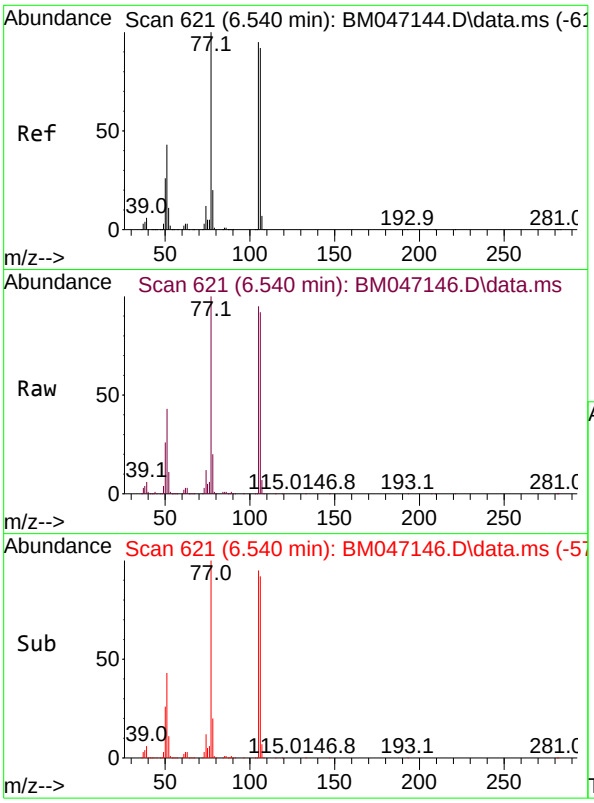


#8
2-Chlorophenol
Concen: 57.317 ng
RT: 6.957 min Scan# 692
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



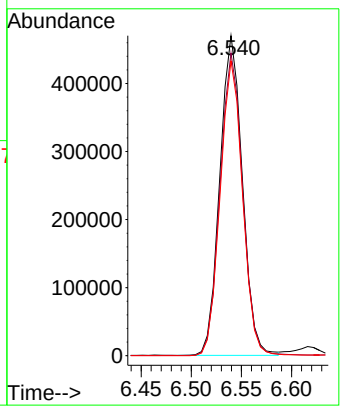


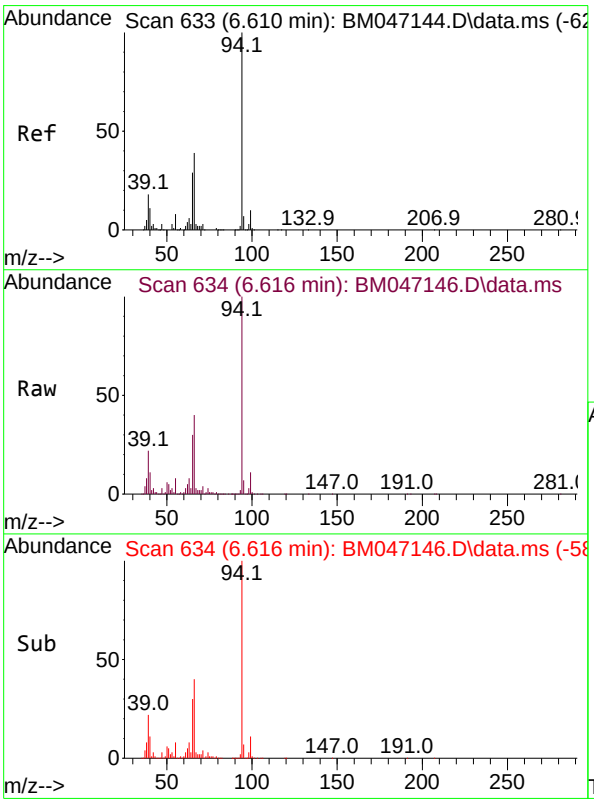
#9
Benzaldehyde
Concen: 58.359 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

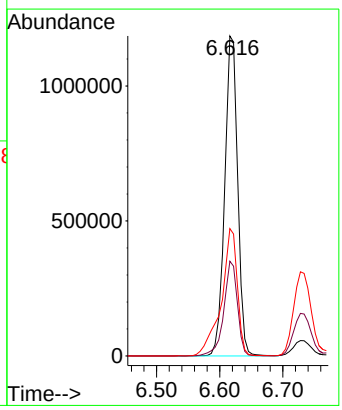


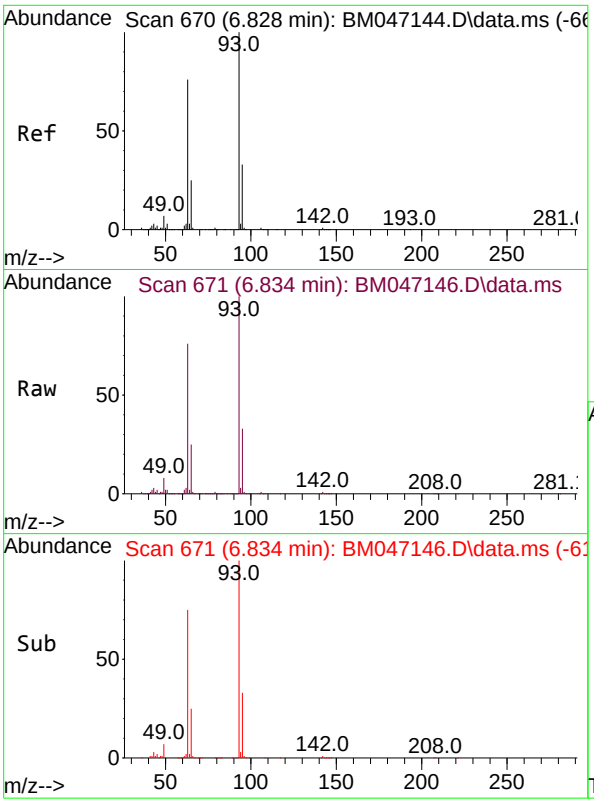


#10
Phenol
Concen: 57.586 ng
RT: 6.616 min Scan# 634
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



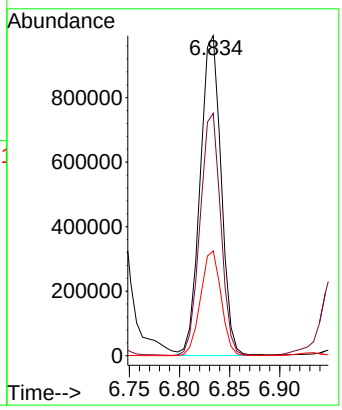


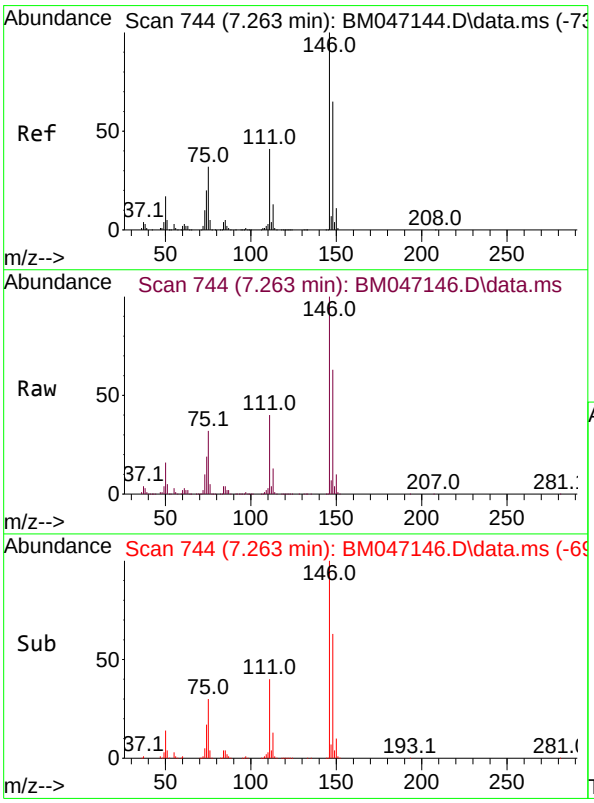
#11
bis(2-Chloroethyl)ether
Concen: 57.623 ng
RT: 6.834 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

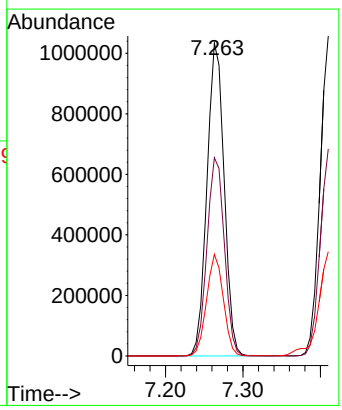


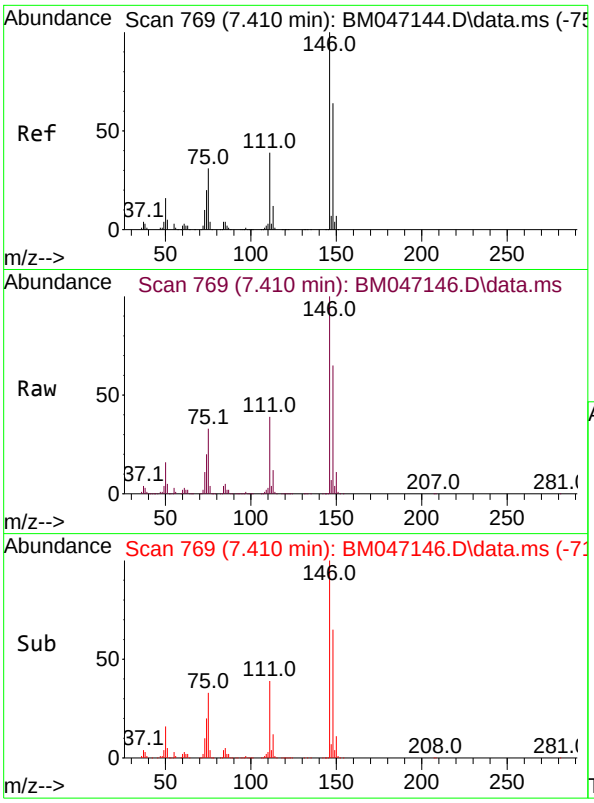


#12
1,3-Dichlorobenzene
Concen: 57.619 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



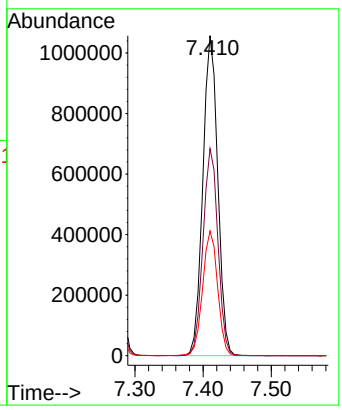


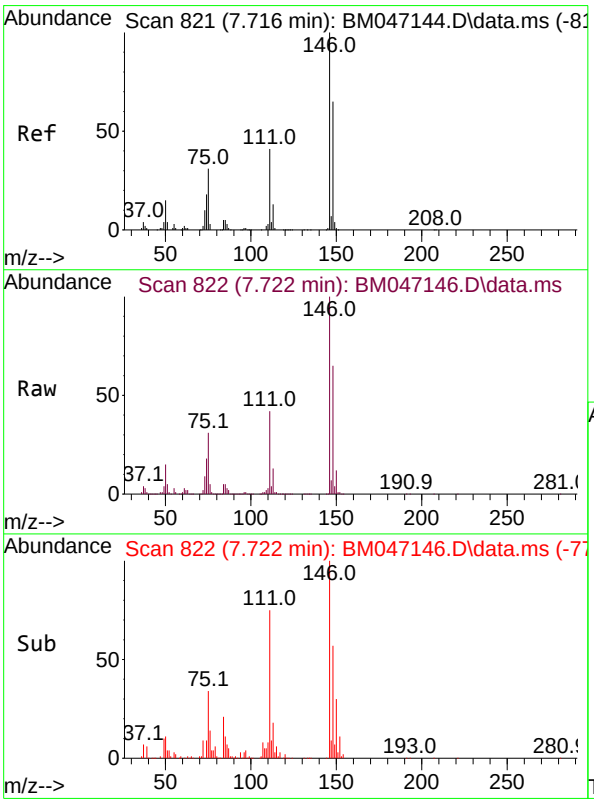
#13
1,4-Dichlorobenzene
Concen: 57.691 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

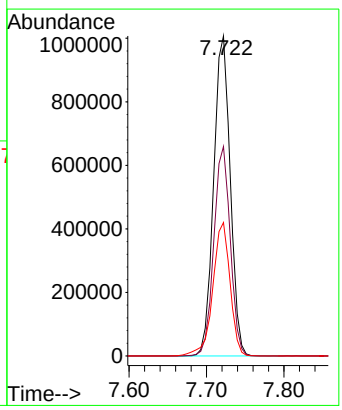


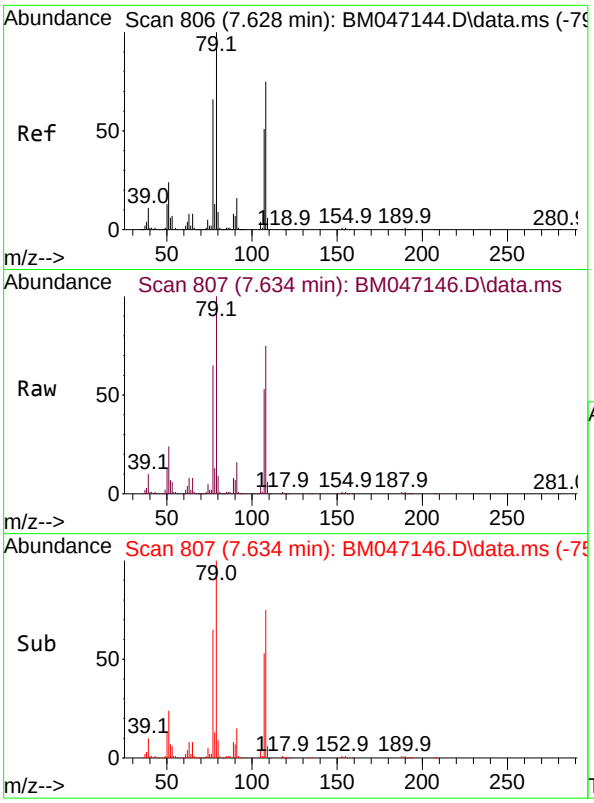


#14
1,2-Dichlorobenzene
Concen: 56.653 ng
RT: 7.722 min Scan# 822
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



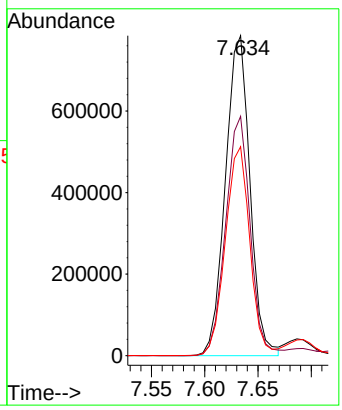


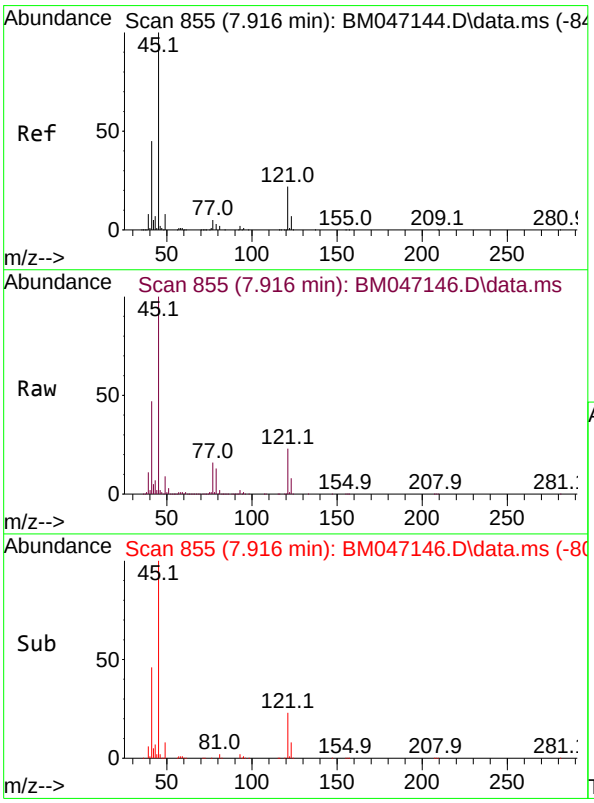
#15
Benzyl Alcohol
Concen: 60.184 ng
RT: 7.634 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

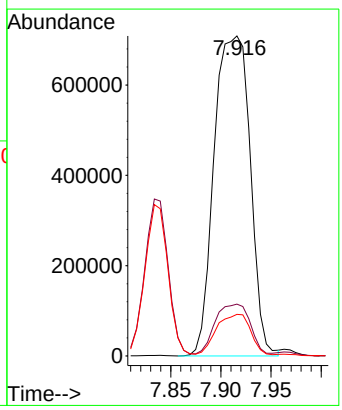


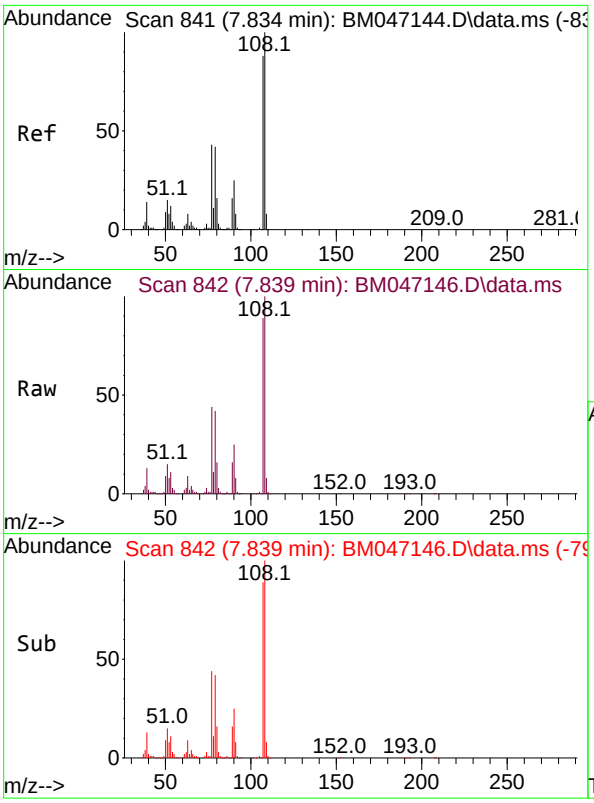


#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.811 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



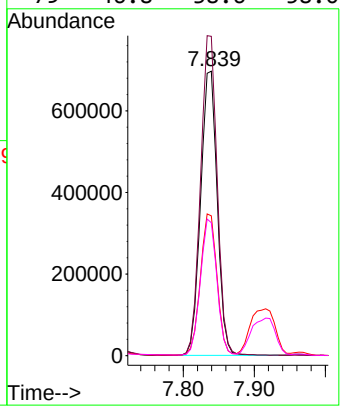


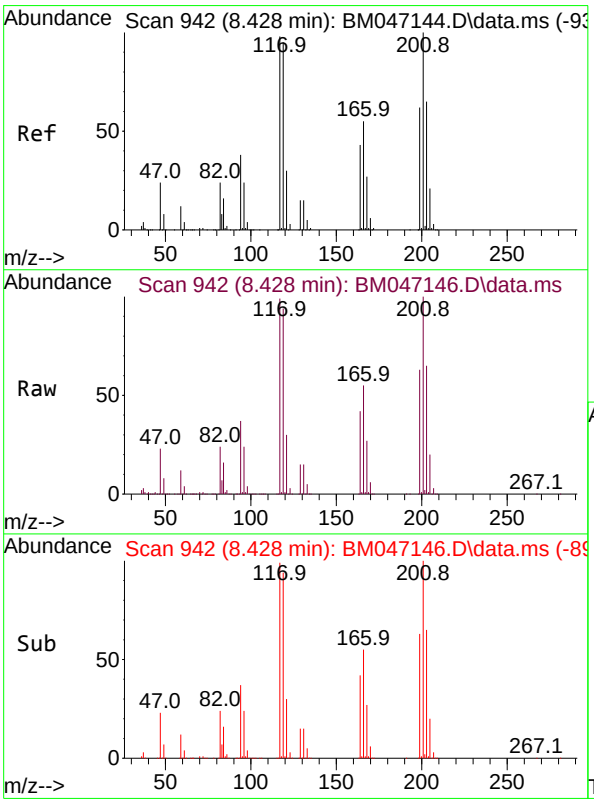
#17
2-Methylphenol
Concen: 58.008 ng
RT: 7.839 min Scan# 84
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

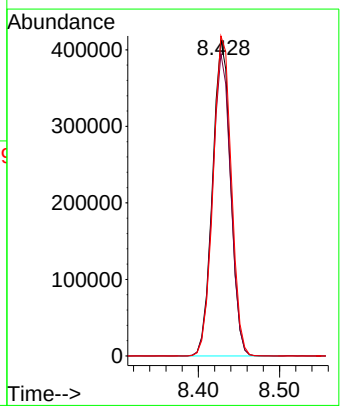


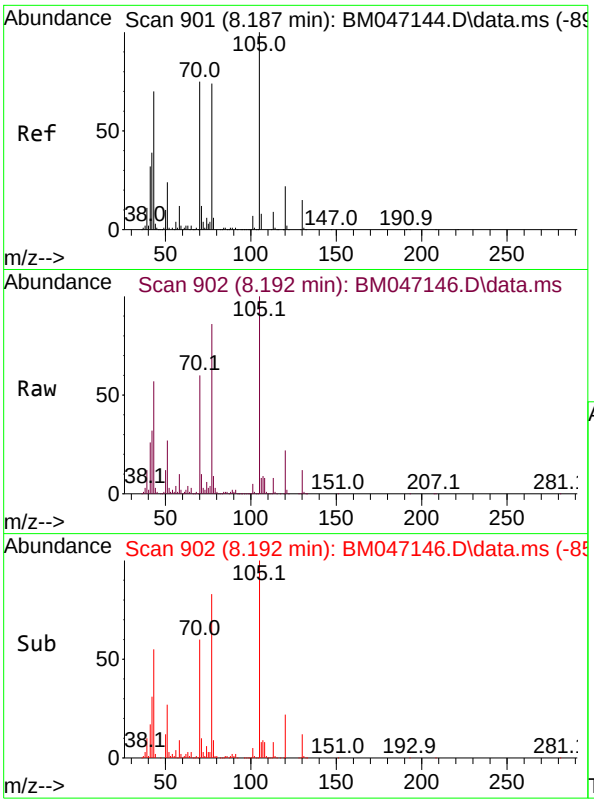


#18
Hexachloroethane
Concen: 59.012 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



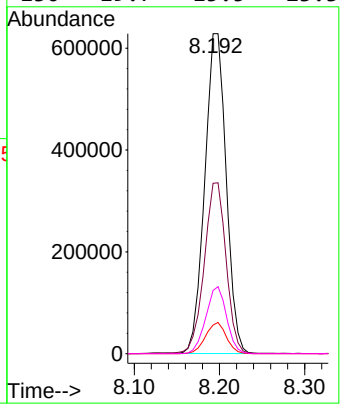


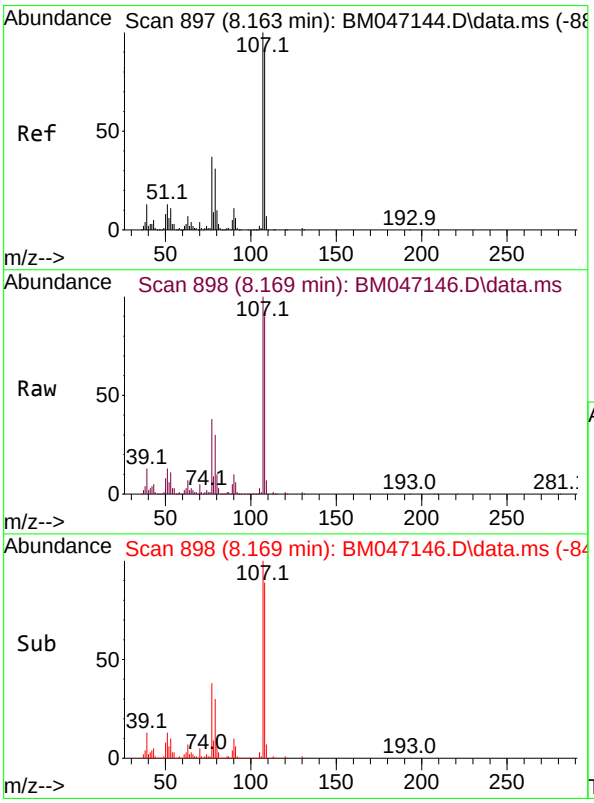
#19
n-Nitroso-di-n-propylamine
Concen: 55.379 ng
RT: 8.192 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

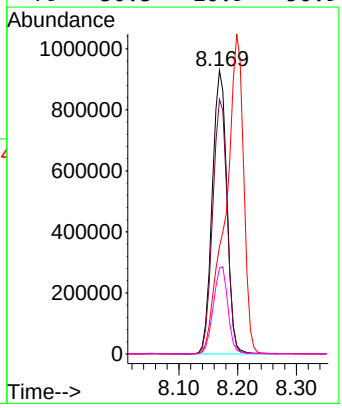


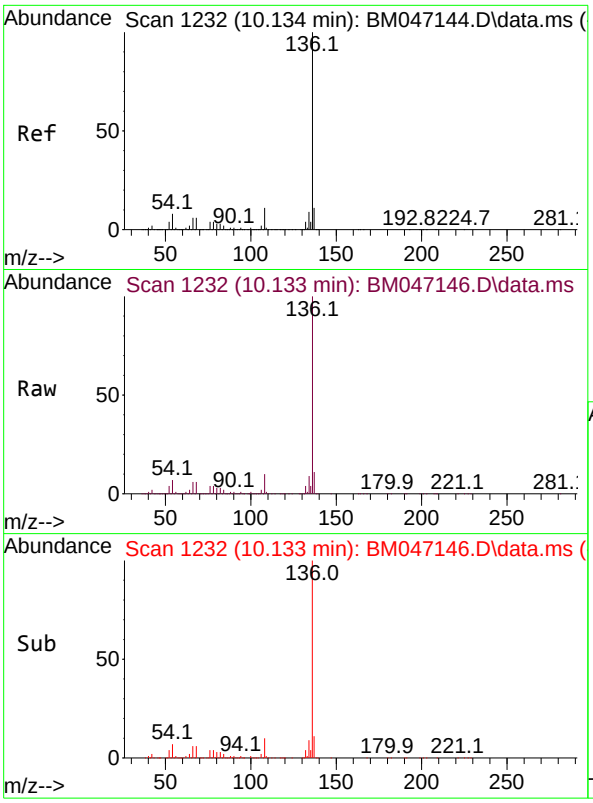


#20
3+4-Methylphenols
Concen: 58.726 ng
RT: 8.169 min Scan# 898
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



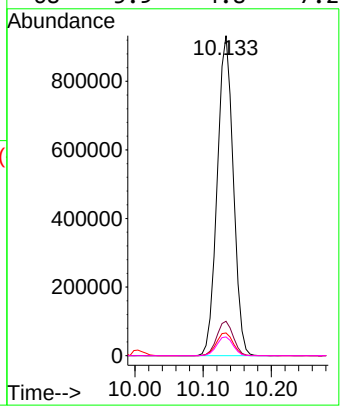


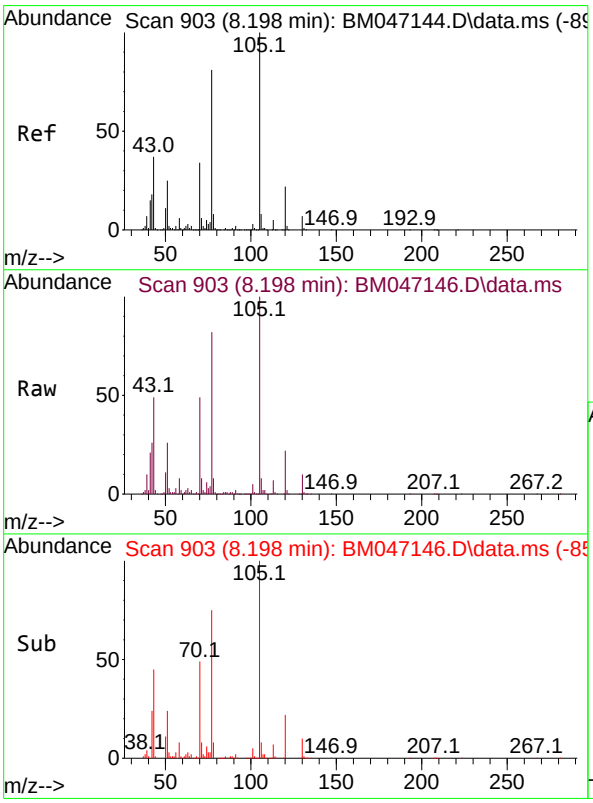
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

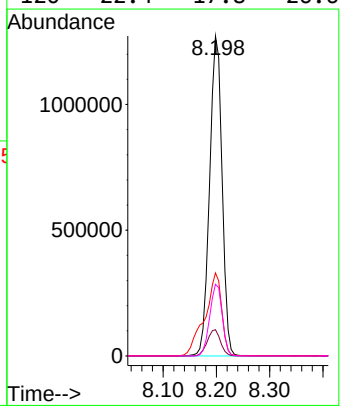


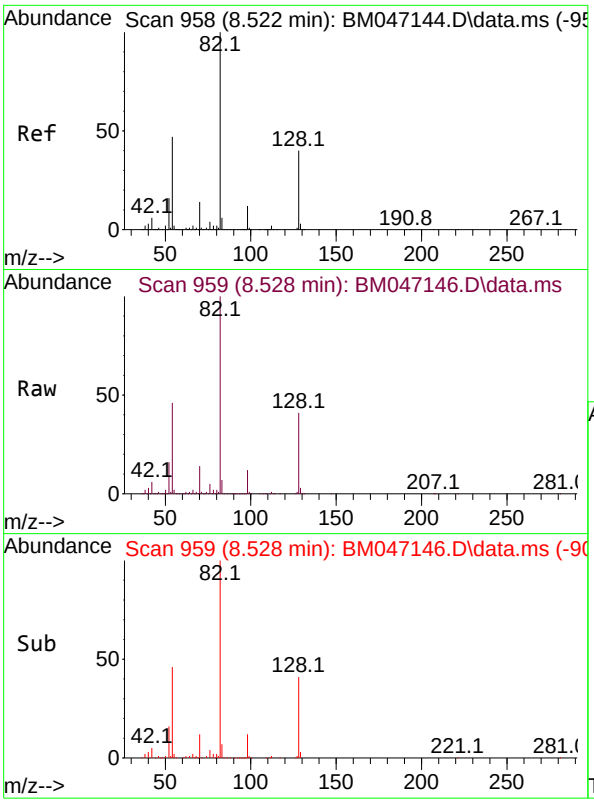


#22
Acetophenone
Concen: 56.185 ng
RT: 8.198 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



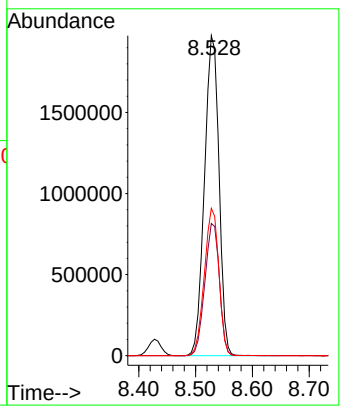


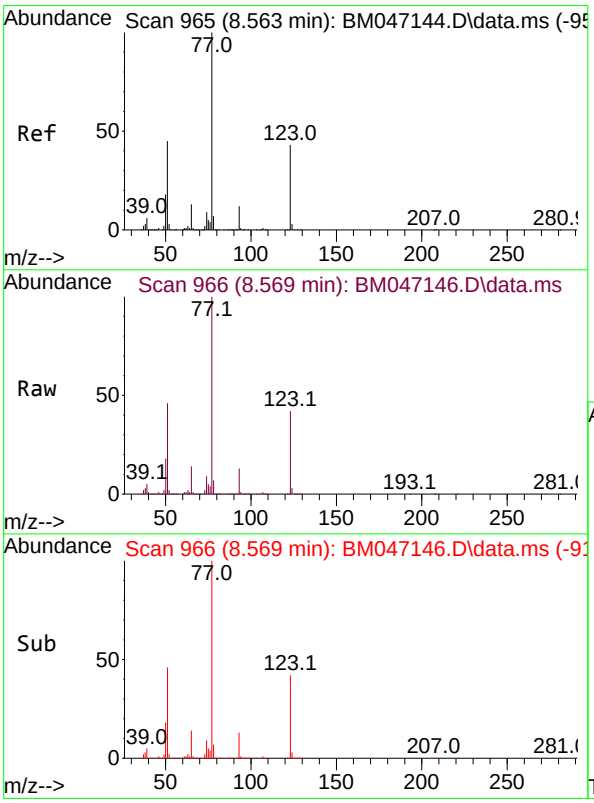
#23
Nitrobenzene-d5
Concen: 115.282 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

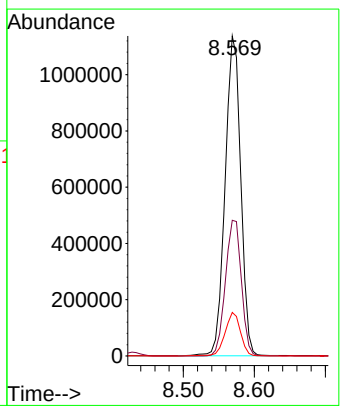


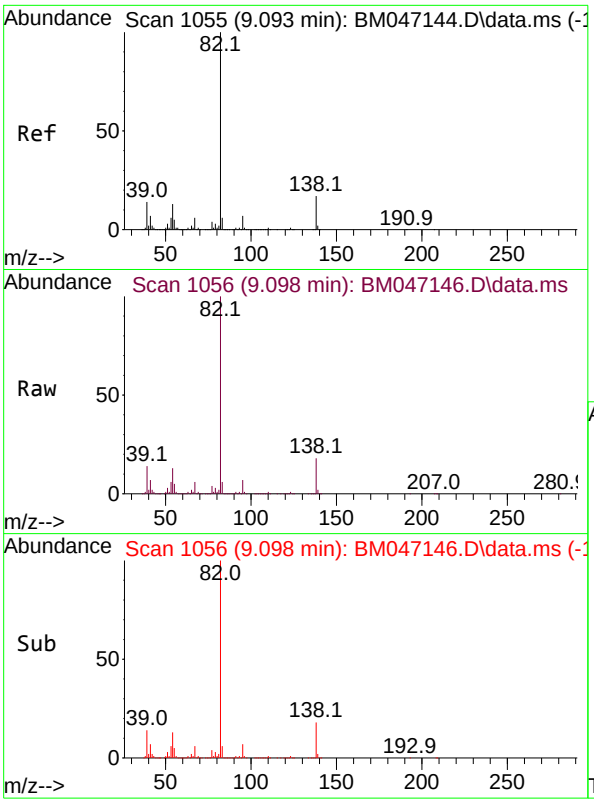


#24
Nitrobenzene
Concen: 56.777 ng
RT: 8.569 min Scan# 966
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



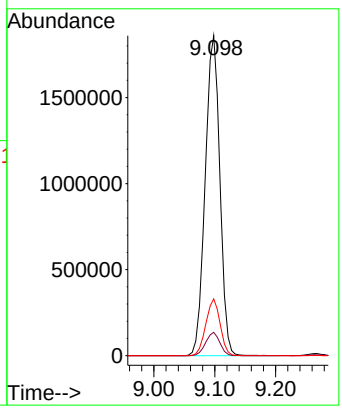


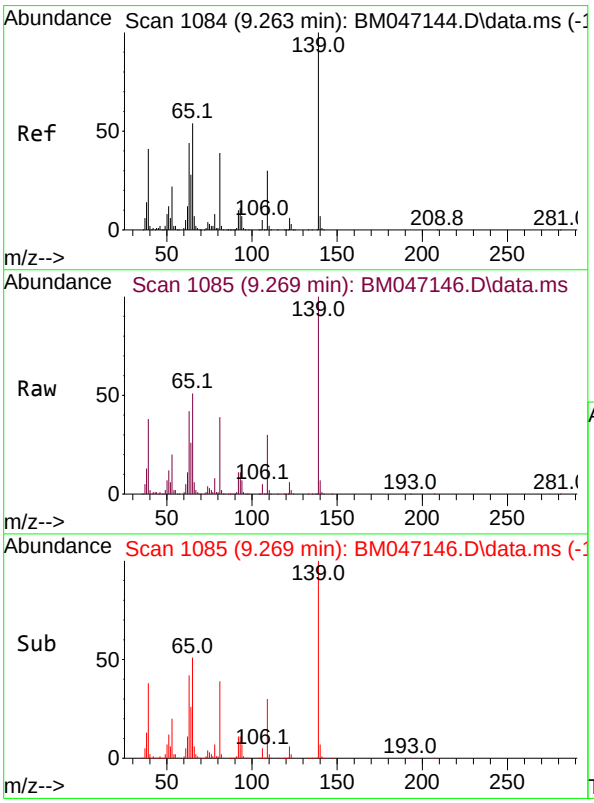
#25
Isophorone
Concen: 58.876 ng
RT: 9.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

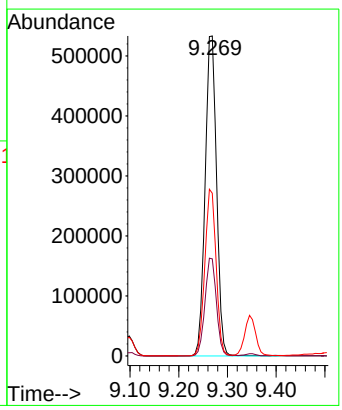


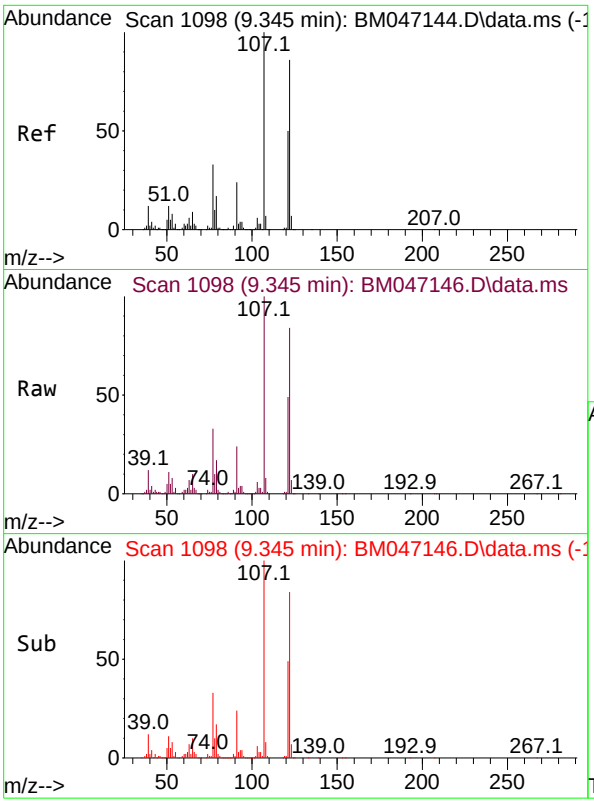


#26
2-Nitrophenol
Concen: 63.987 ng
RT: 9.269 min Scan# 1085
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



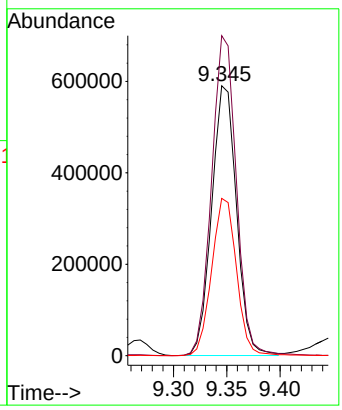


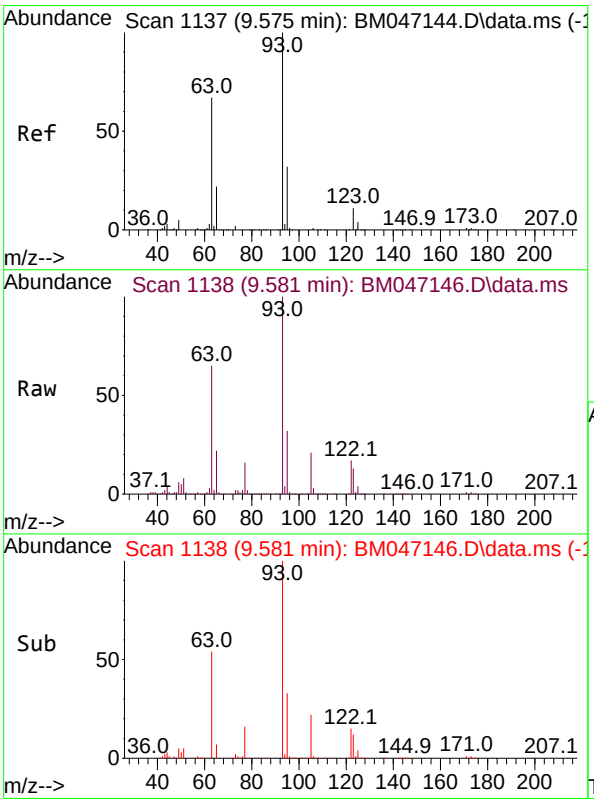
#27
2,4-Dimethylphenol
Concen: 60.441 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

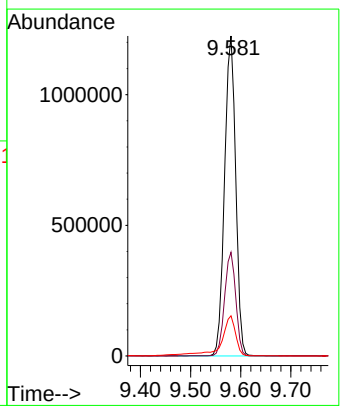


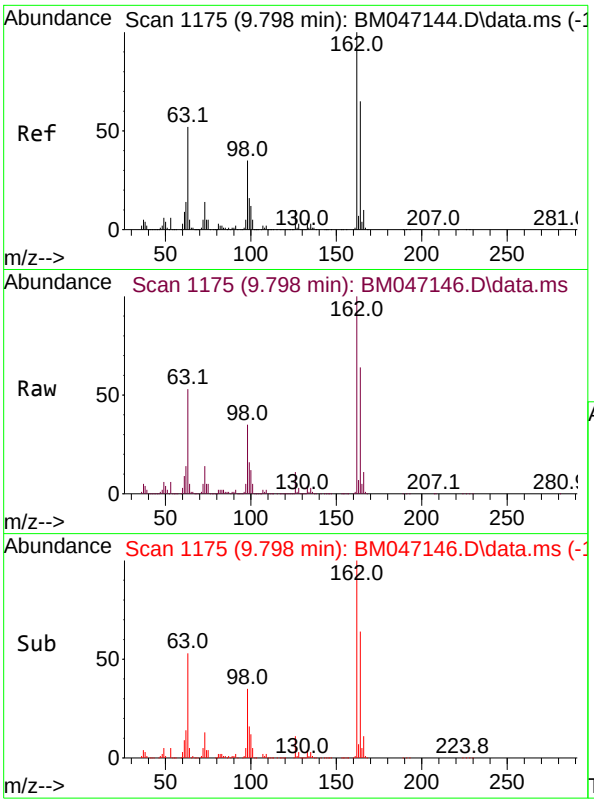


#28
bis(2-Chloroethoxy)methane
Concen: 57.068 ng
RT: 9.581 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



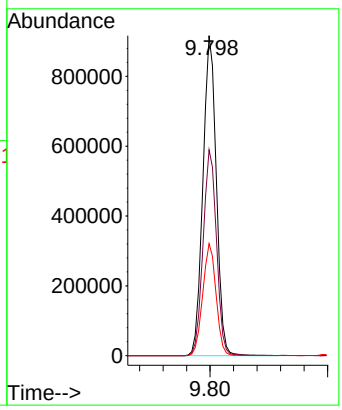


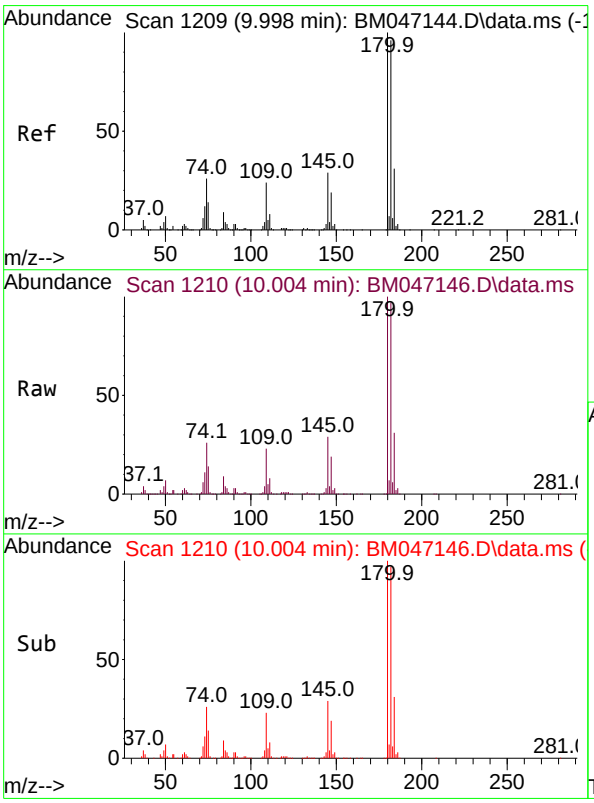
#29
2,4-Dichlorophenol
Concen: 61.767 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

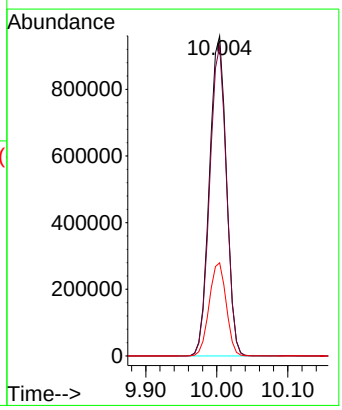


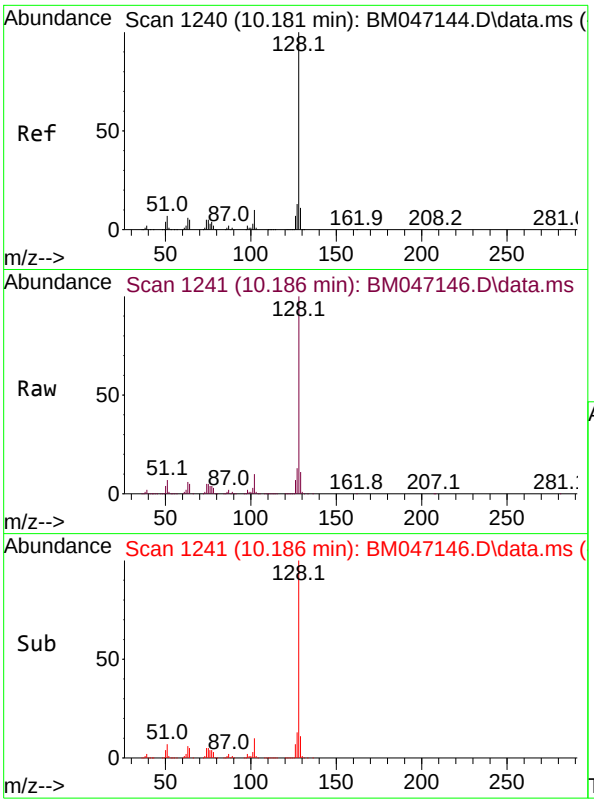


#30
1,2,4-Trichlorobenzene
Concen: 59.763 ng
RT: 10.004 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



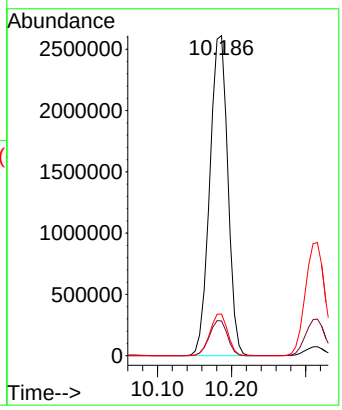


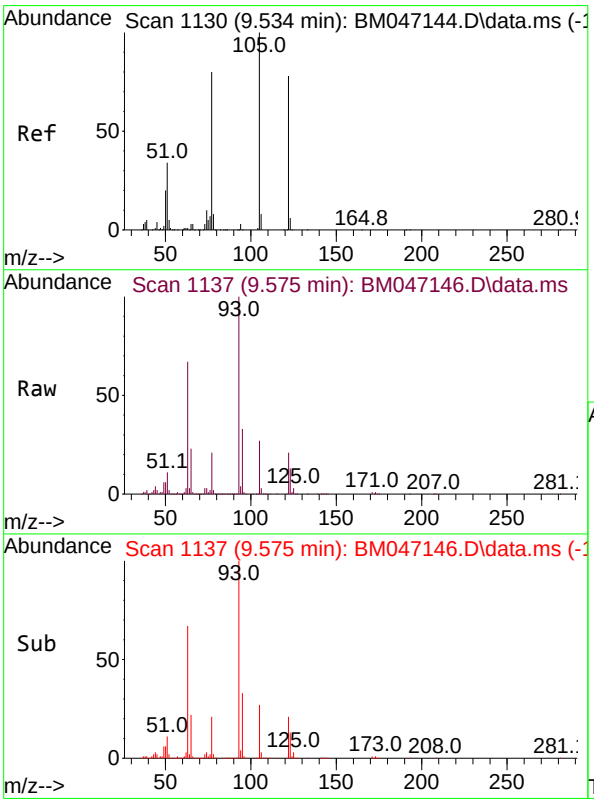
#31
Naphthalene
Concen: 58.049 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

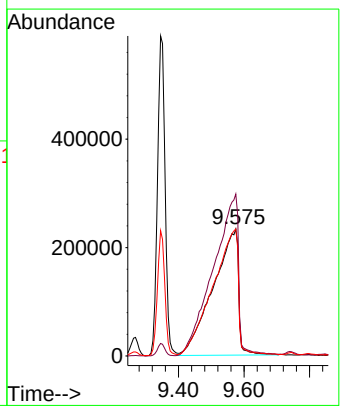


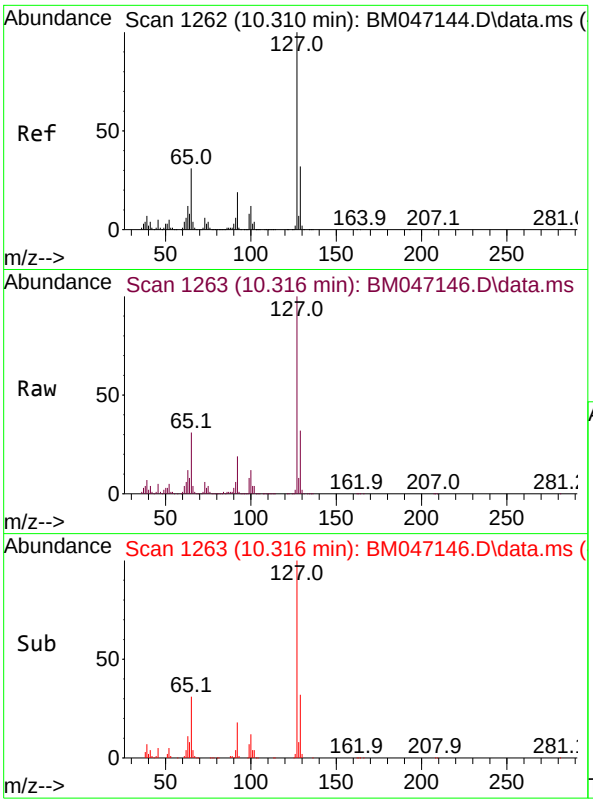


#32
Benzoic acid
Concen: 67.498 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.041 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



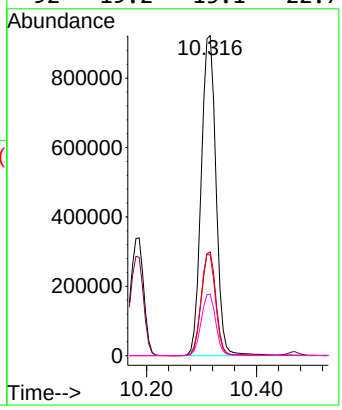


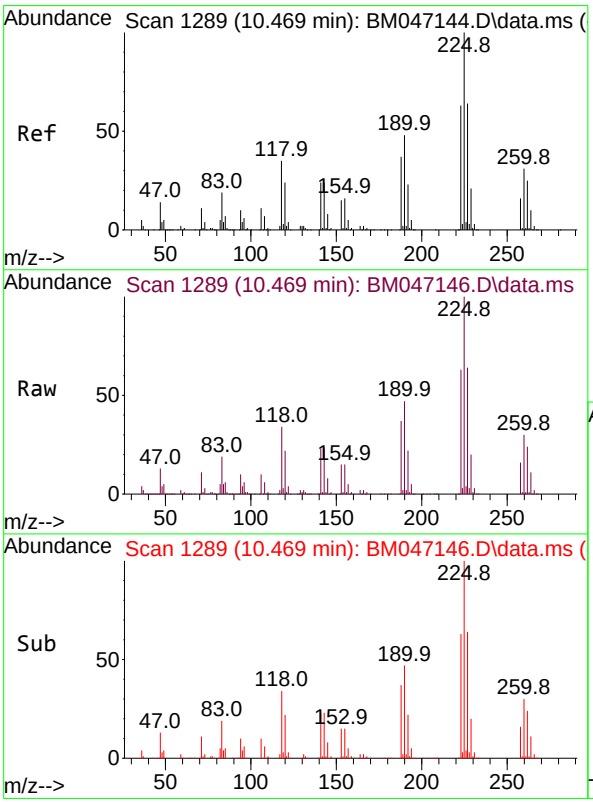
#33
4-Chloroaniline
Concen: 58.764 ng
RT: 10.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

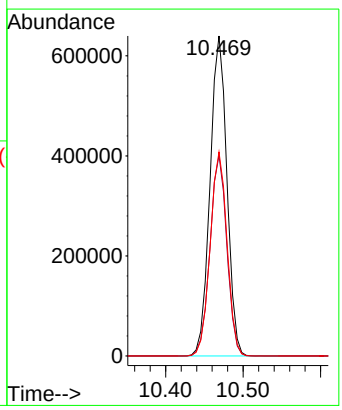


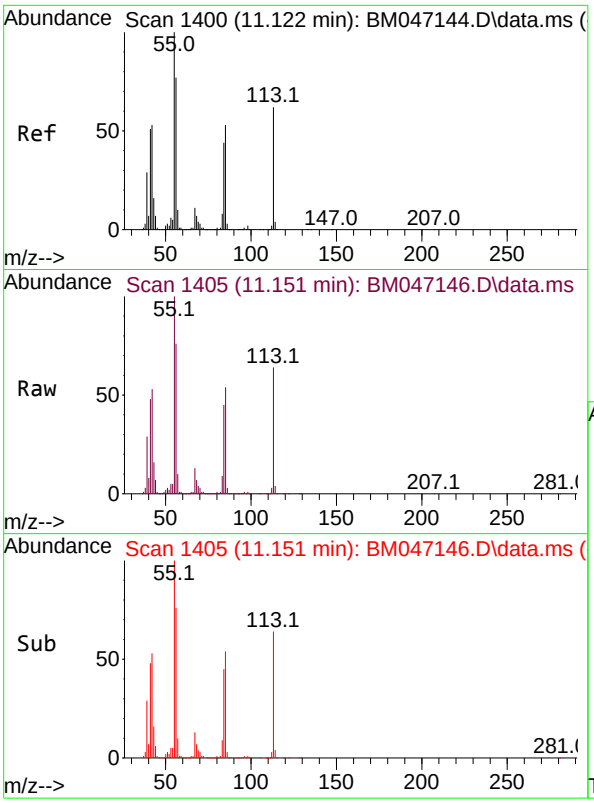


#34
Hexachlorobutadiene
Concen: 62.017 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



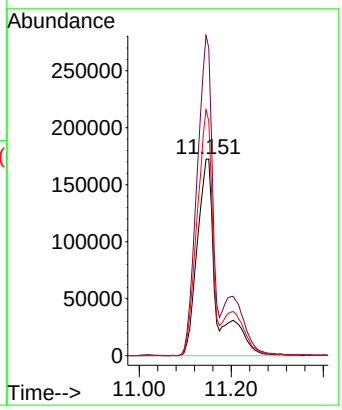


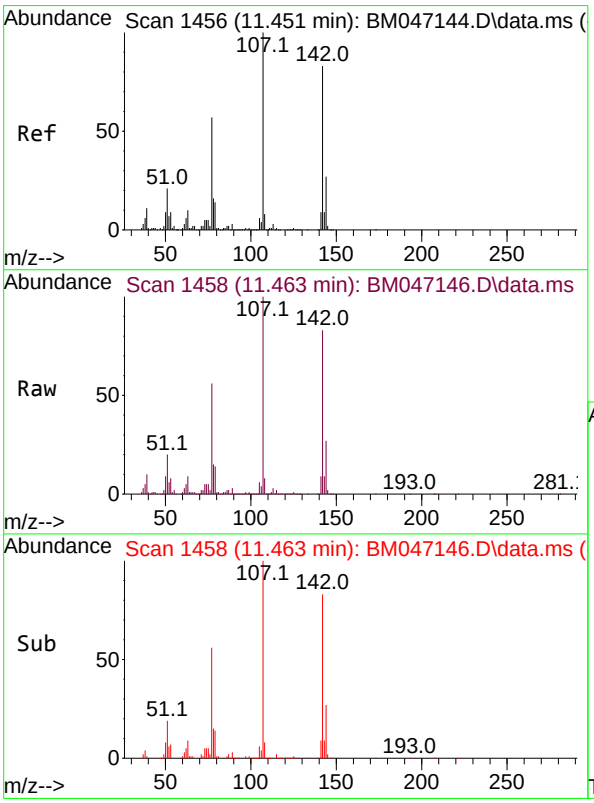
#35
Caprolactam
Concen: 61.664 ng m
RT: 11.151 min Scan# 14
Delta R.T. 0.029 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

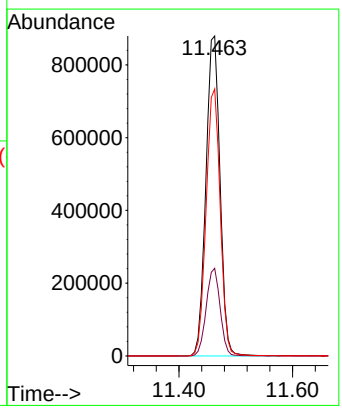


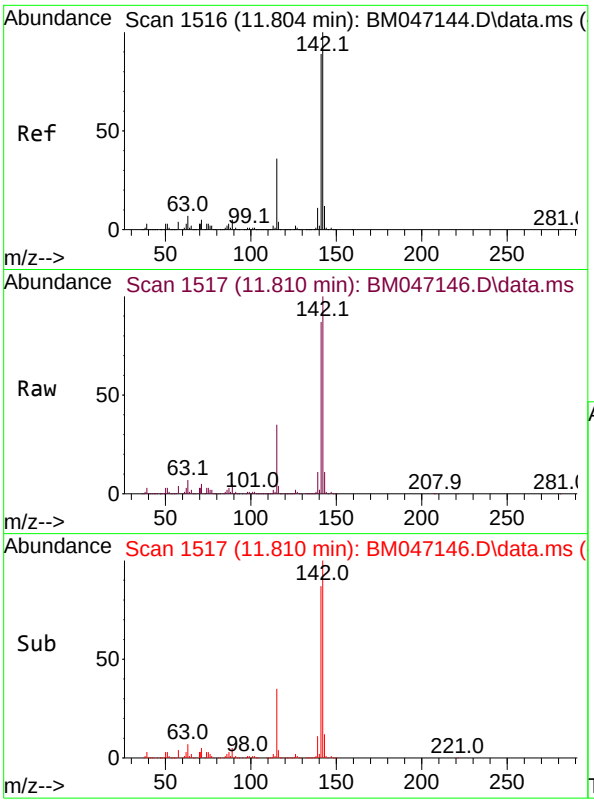


#36
4-Chloro-3-methylphenol
Concen: 60.420 ng
RT: 11.463 min Scan# 1458
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



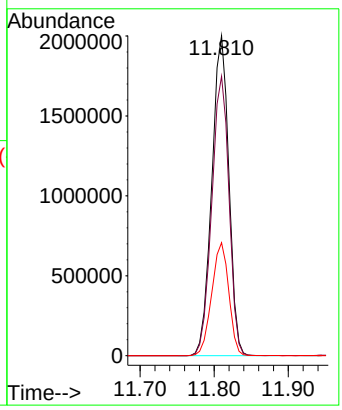


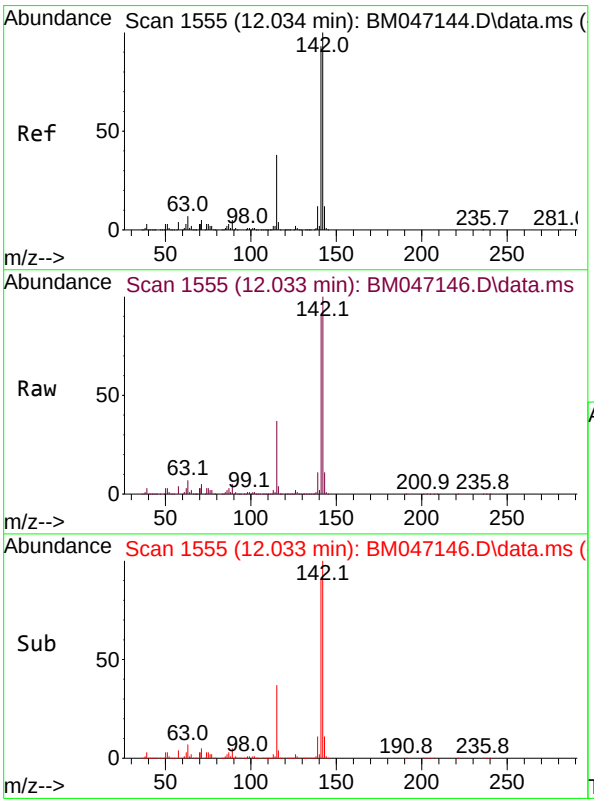
#37
2-Methylnaphthalene
Concen: 59.000 ng
RT: 11.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

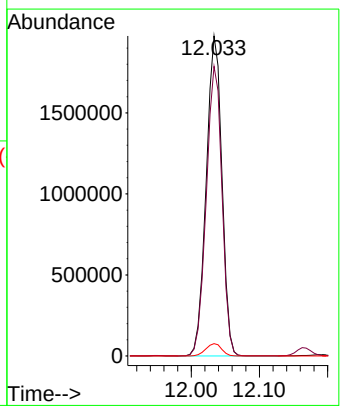


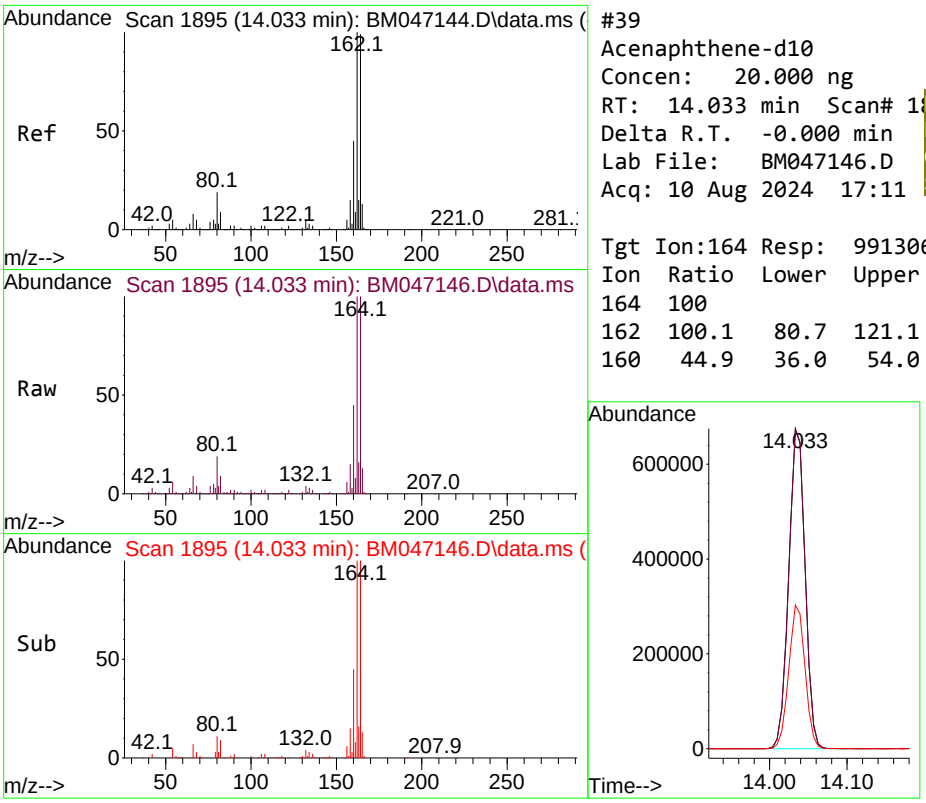


#38
1-Methylnaphthalene
Concen: 59.033 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



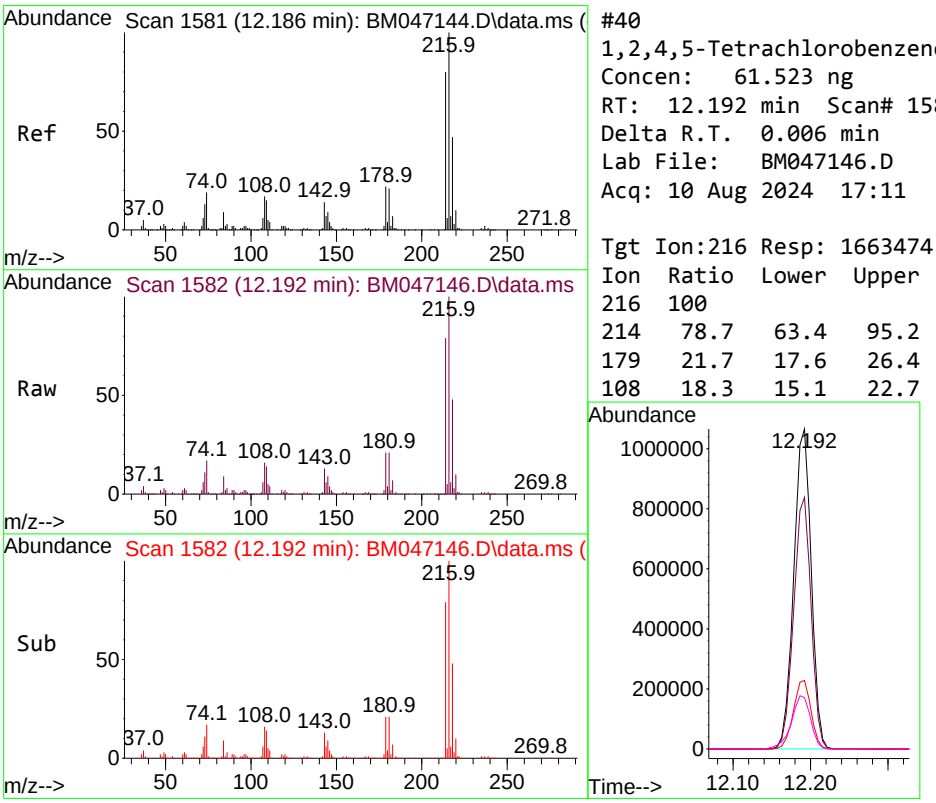


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 991306

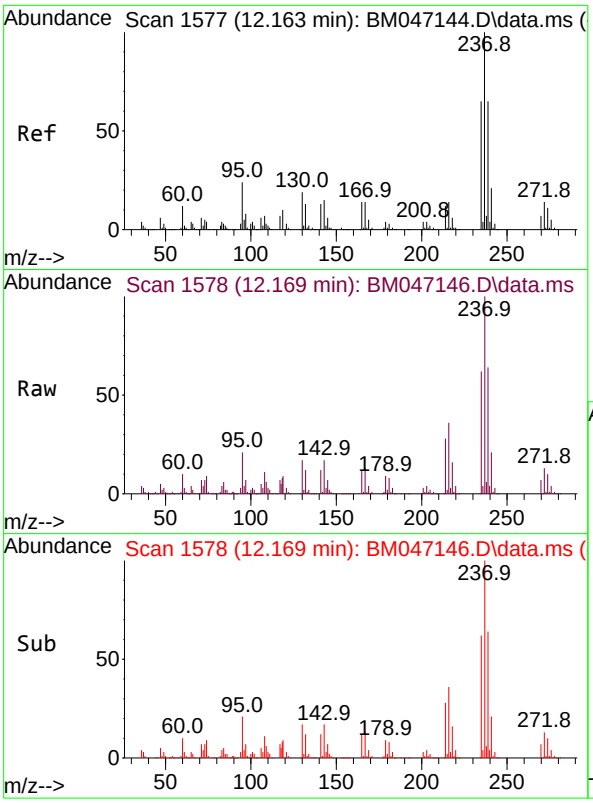
Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.7	121.1
160	44.9	36.0	54.0



#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

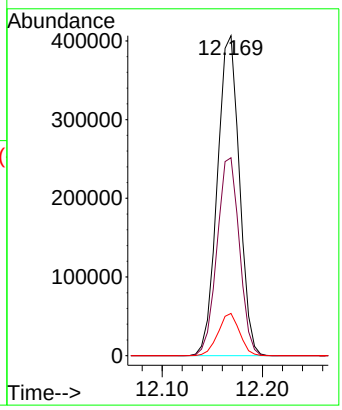


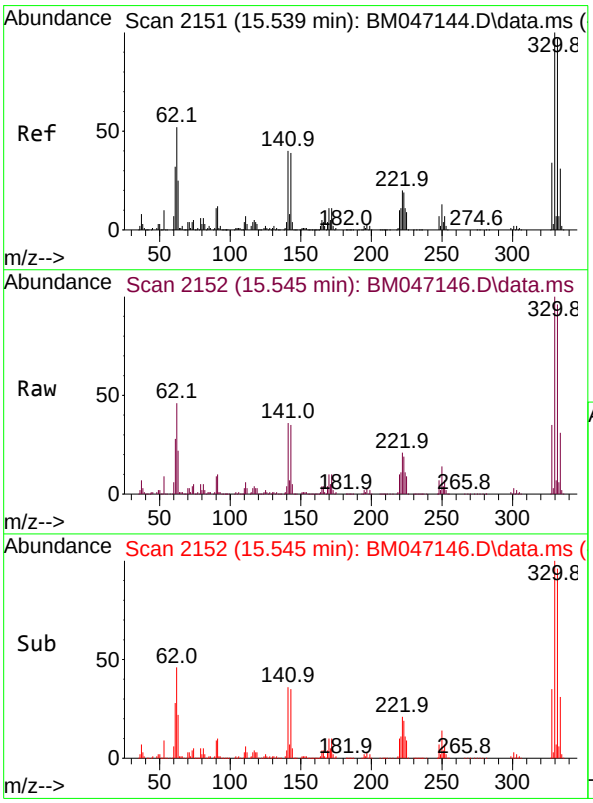
#41
Hexachlorocyclopentadiene
Concen: 65.733 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

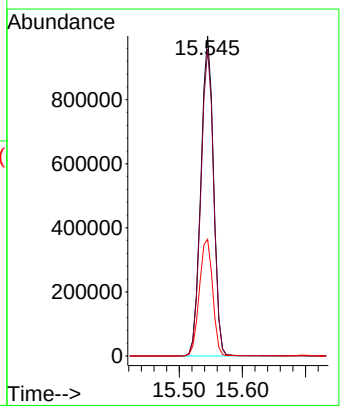


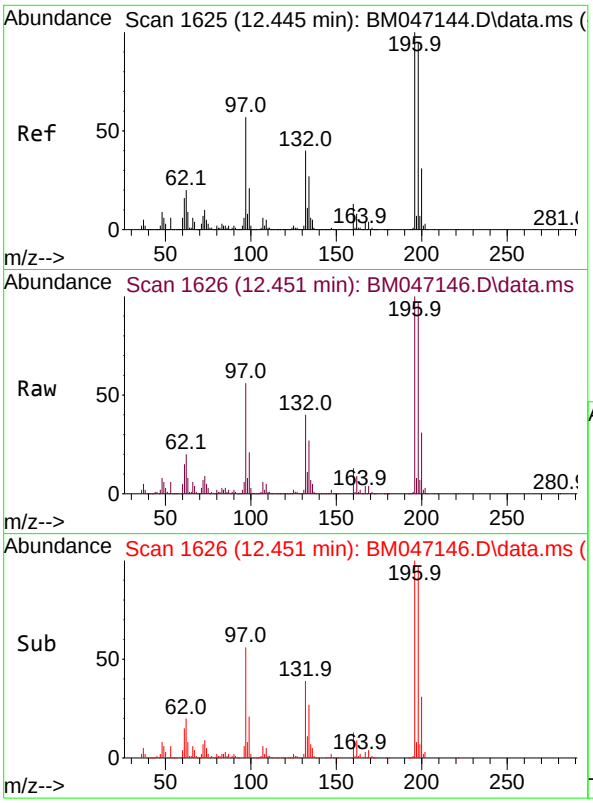


#42
2,4,6-Tribromophenol
Concen: 121.088 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



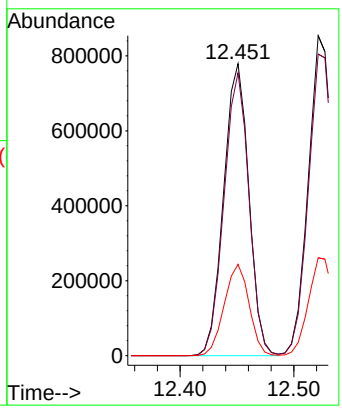


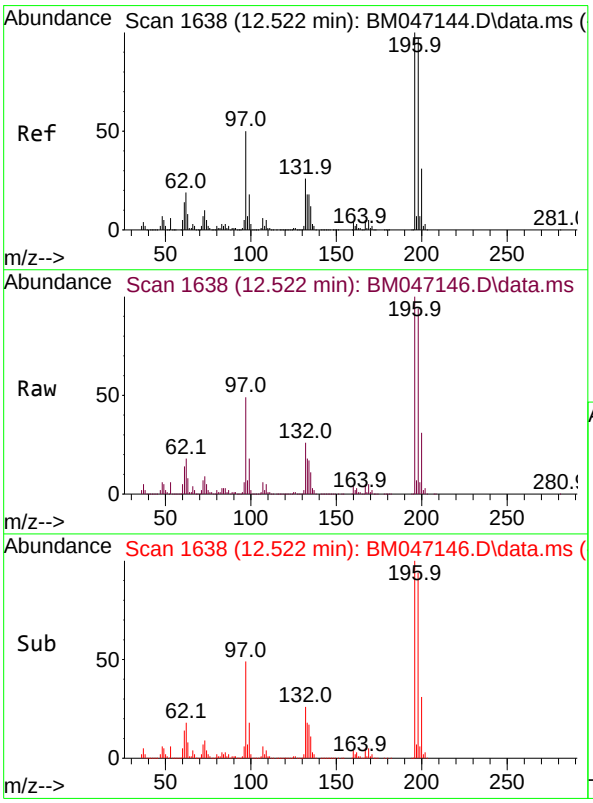
#43
2,4,6-Trichlorophenol
Concen: 62.557 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

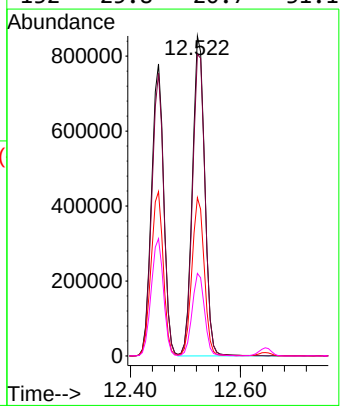


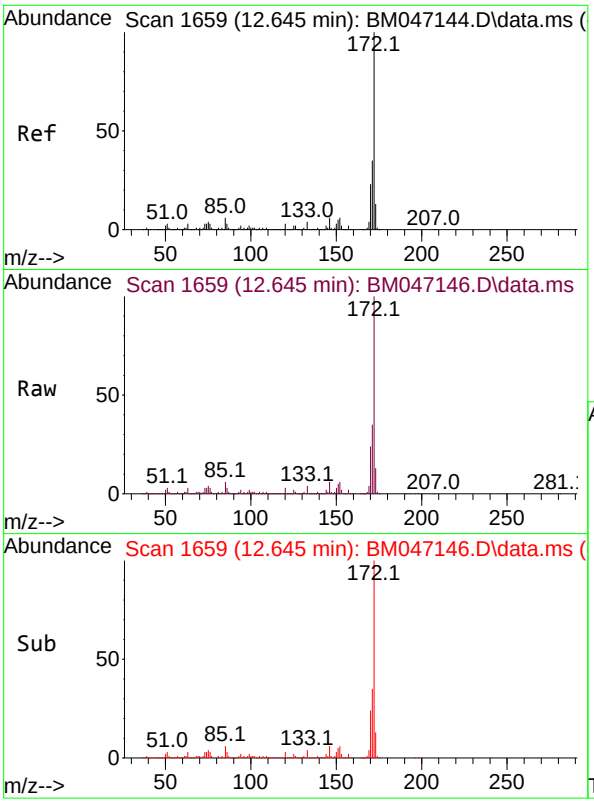


#44
2,4,5-Trichlorophenol
Concen: 62.287 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



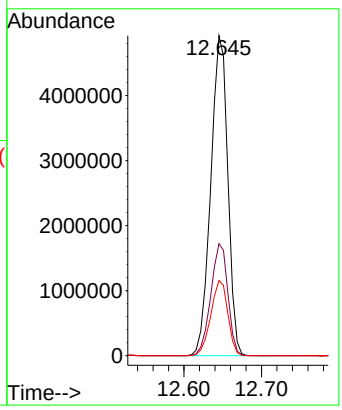


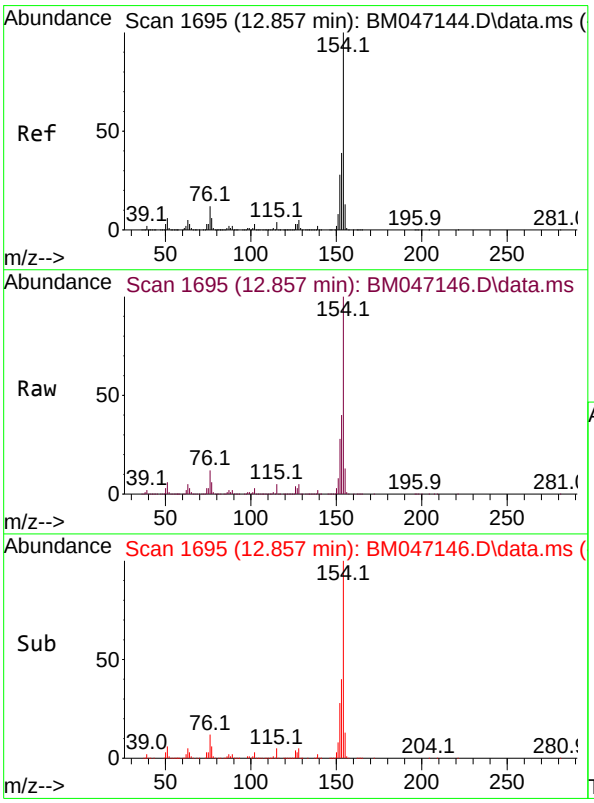
#45
2-Fluorobiphenyl
Concen: 116.705 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

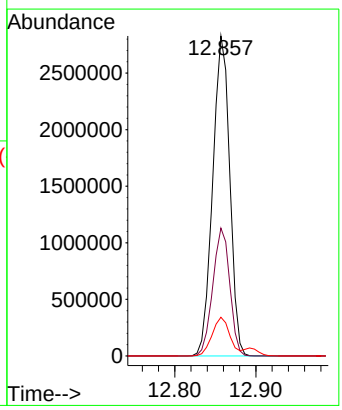


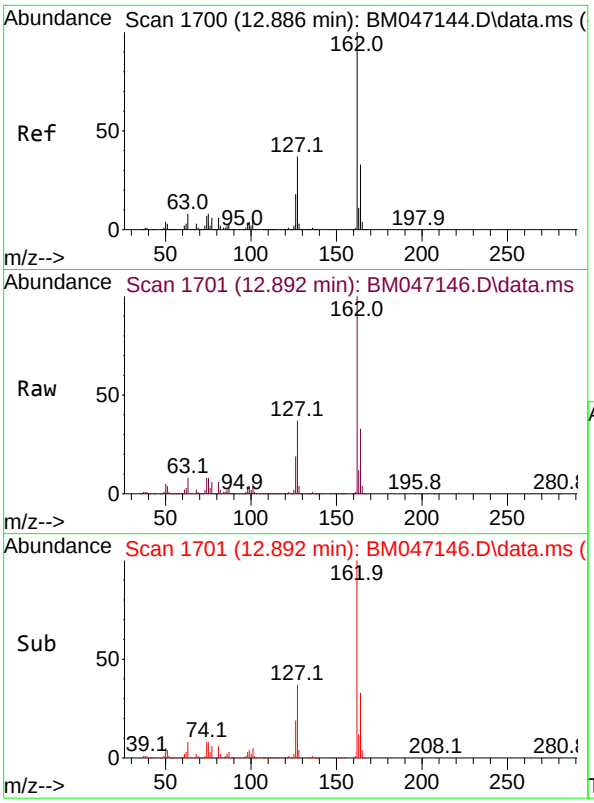


#46
1,1'-Biphenyl
Concen: 58.466 ng
RT: 12.857 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



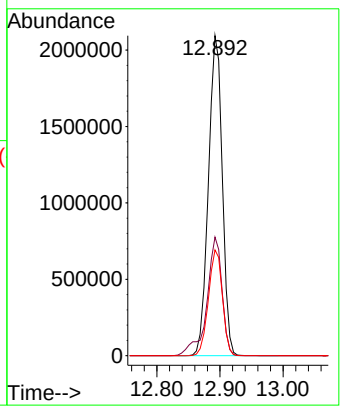


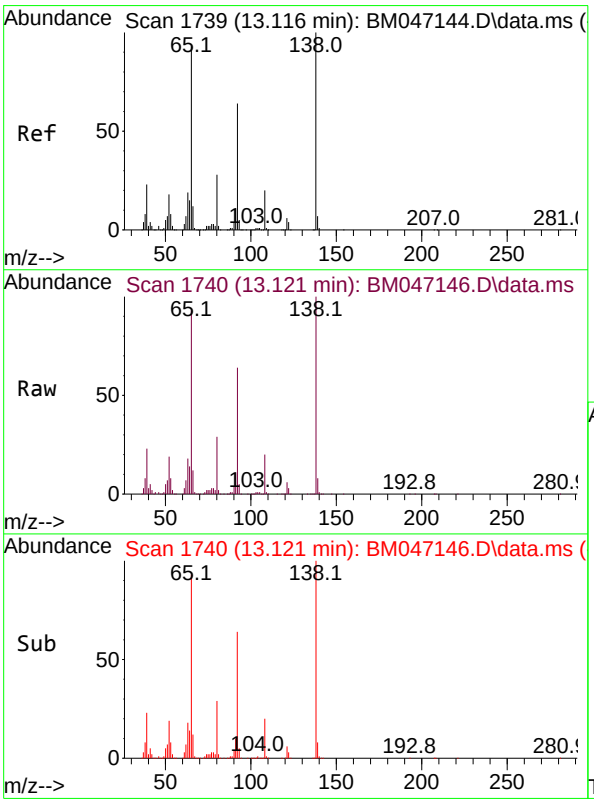
#47
2-Chloronaphthalene
Concen: 57.882 ng
RT: 12.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

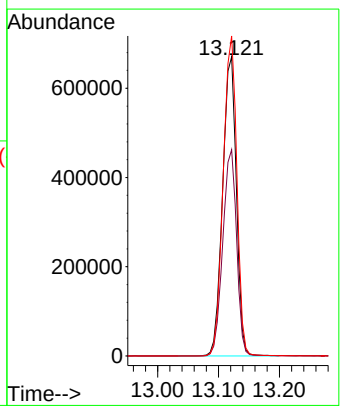


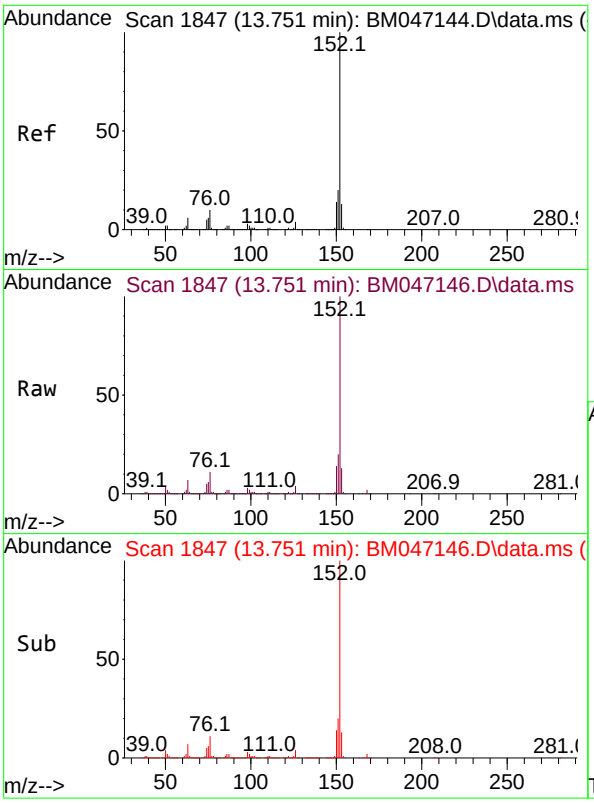


#48
2-Nitroaniline
Concen: 60.847 ng
RT: 13.121 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



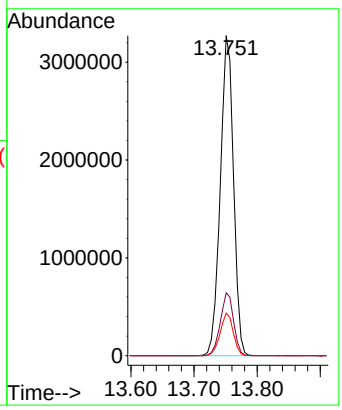


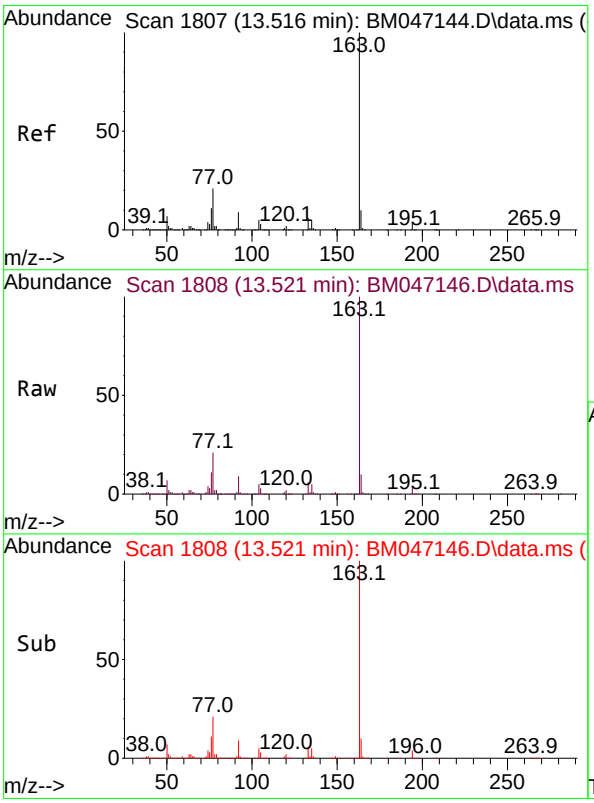
#49
Acenaphthylene
Concen: 58.613 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

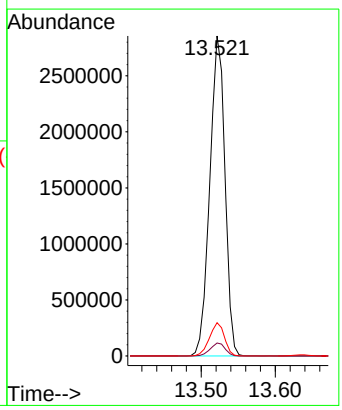


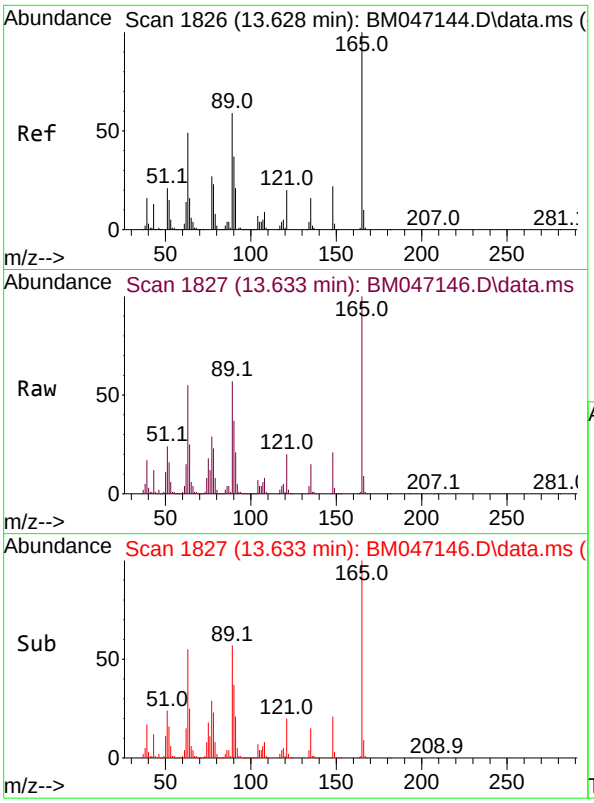


#50
Dimethylphthalate
Concen: 58.629 ng
RT: 13.521 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



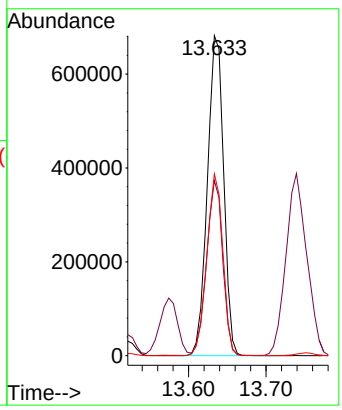


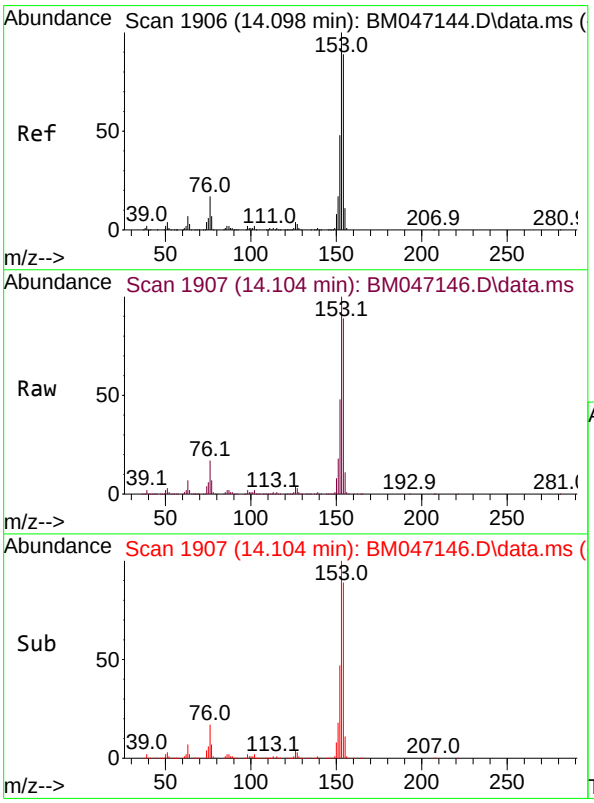
#51
2,6-Dinitrotoluene
Concen: 61.508 ng
RT: 13.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

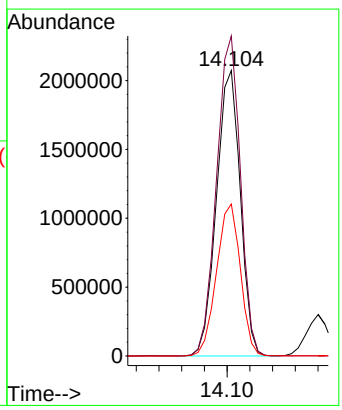


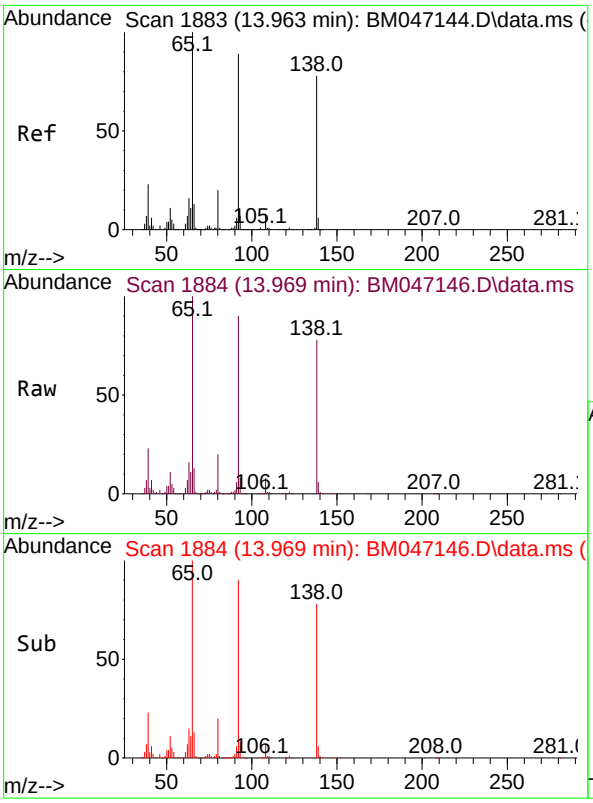


#52
Acenaphthene
Concen: 58.668 ng
RT: 14.104 min Scan# 1907
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



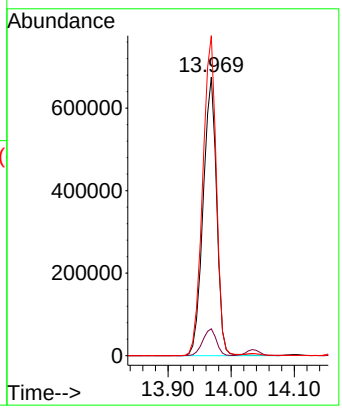


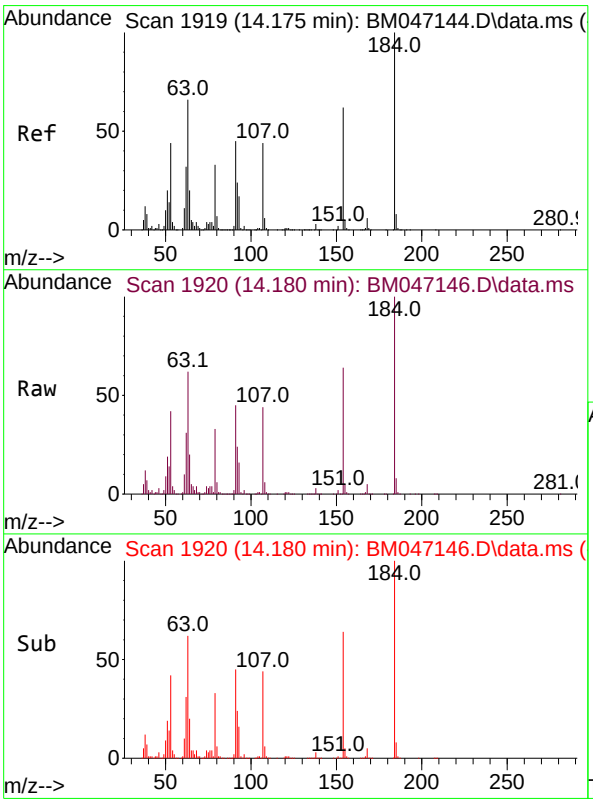
#53
3-Nitroaniline
Concen: 61.708 ng
RT: 13.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

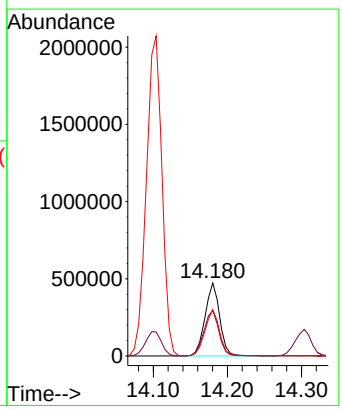


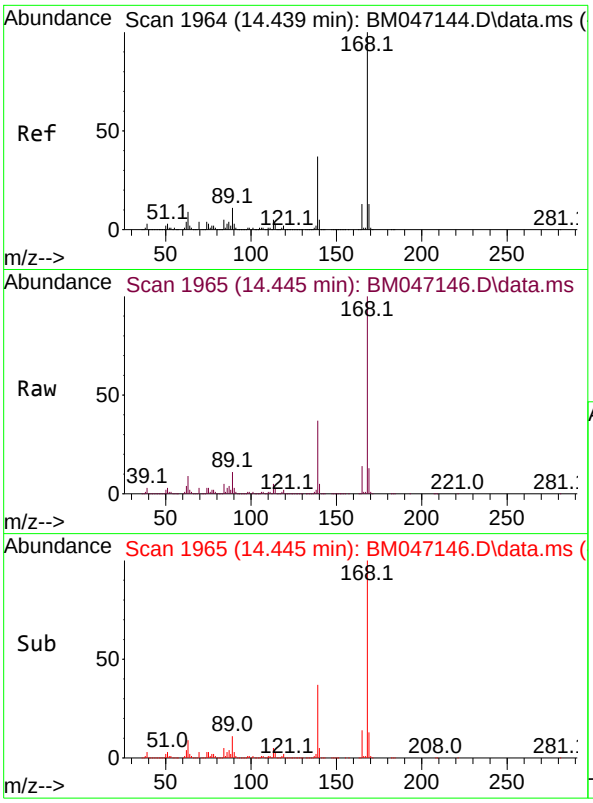


#54
2,4-Dinitrophenol
Concen: 66.750 ng
RT: 14.180 min Scan# 1920
Delta R.T. 0.005 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



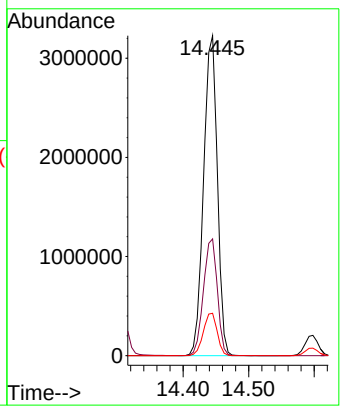


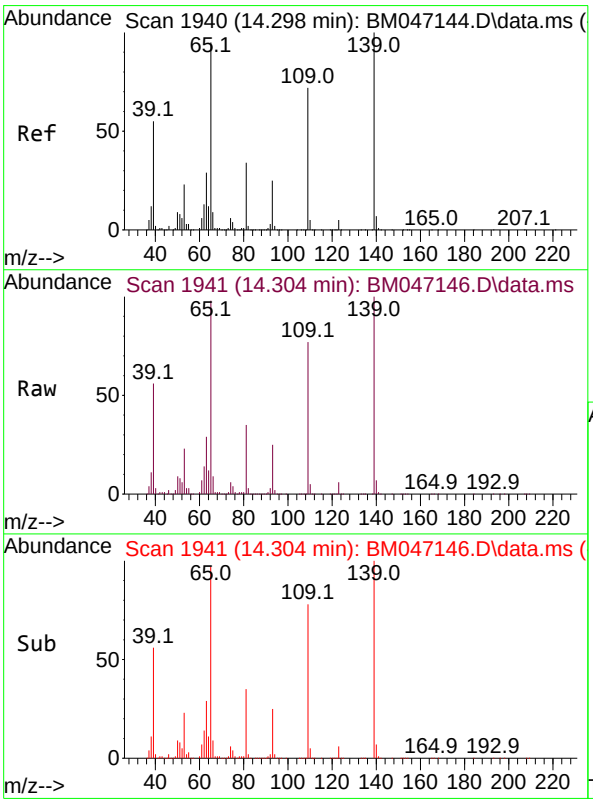
#55
Dibenzofuran
Concen: 57.809 ng
RT: 14.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

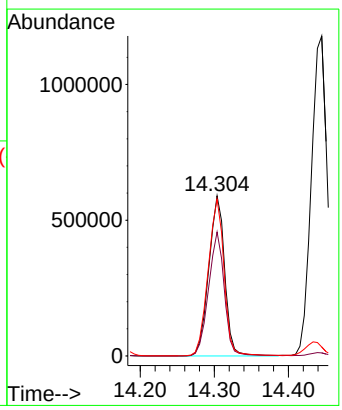


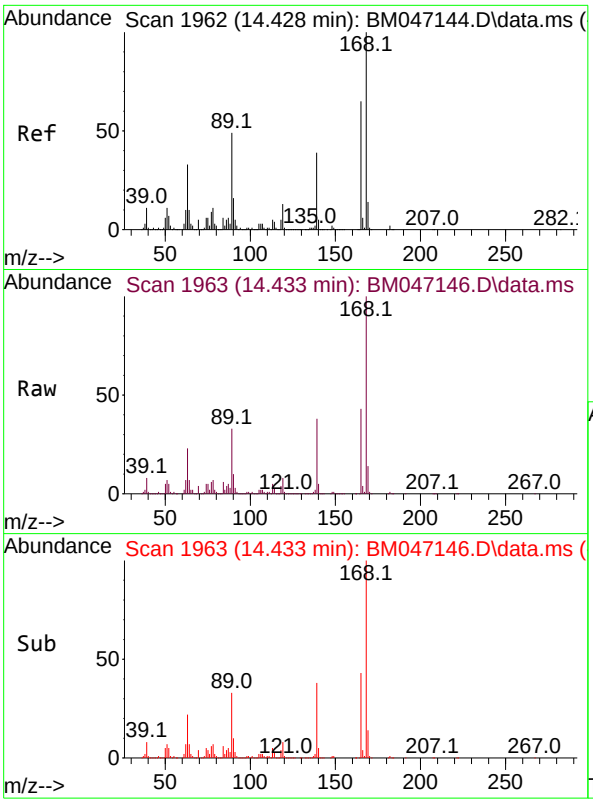


#56
4-Nitrophenol
Concen: 62.927 ng
RT: 14.304 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



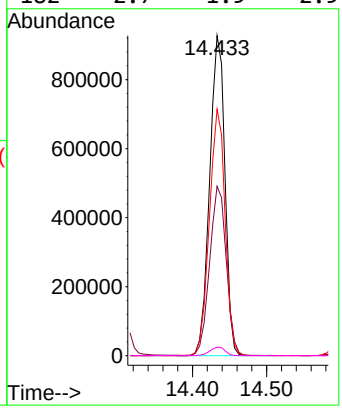


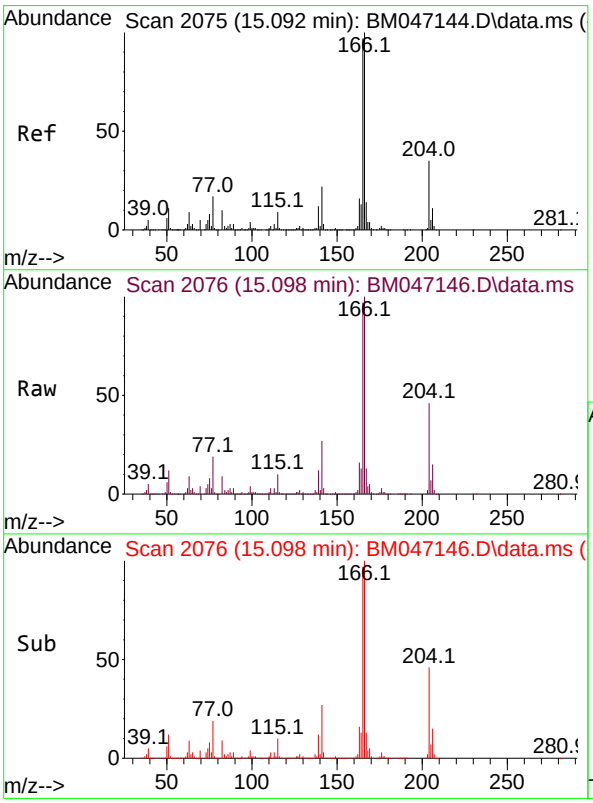
#57
2,4-Dinitrotoluene
Concen: 61.255 ng
RT: 14.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

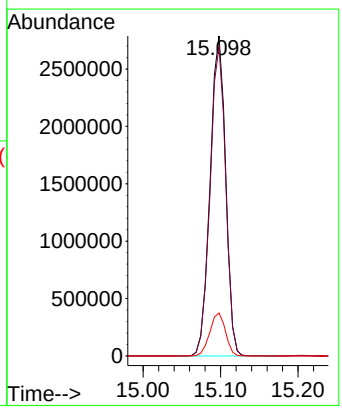


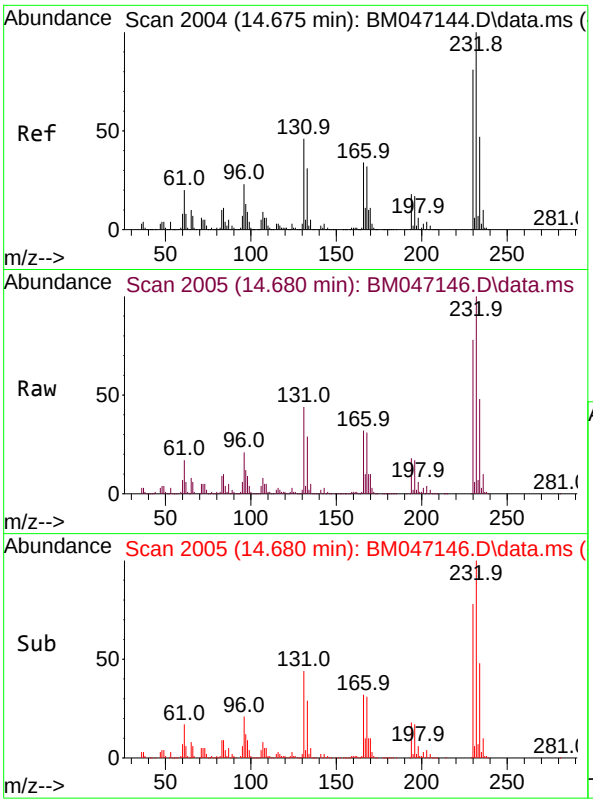


#58
Fluorene
Concen: 57.801 ng
RT: 15.098 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



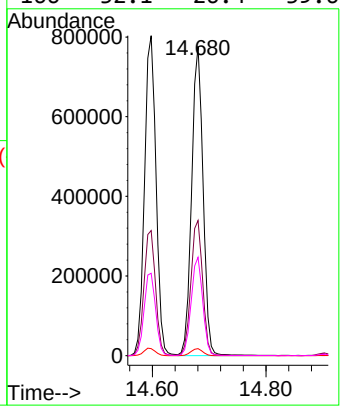


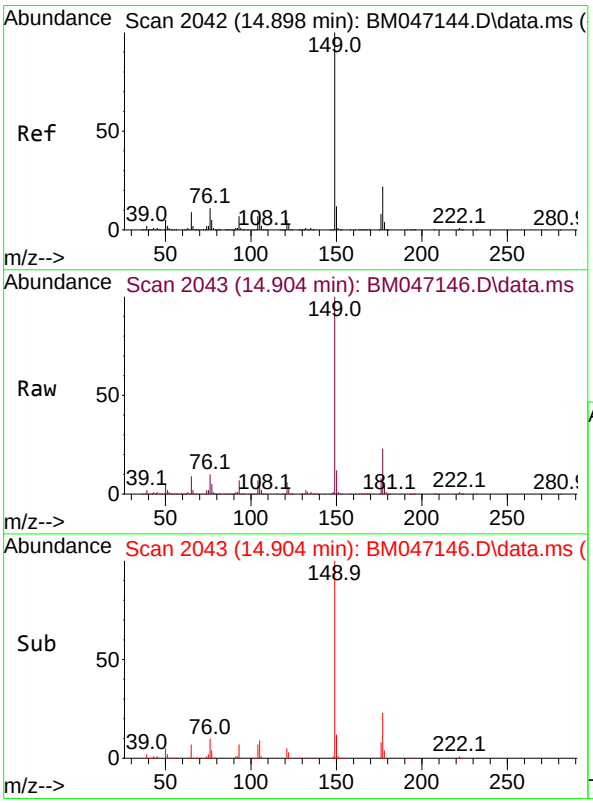
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.097 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

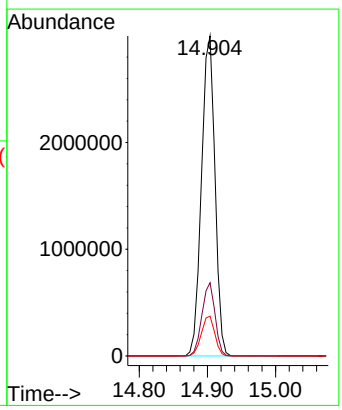


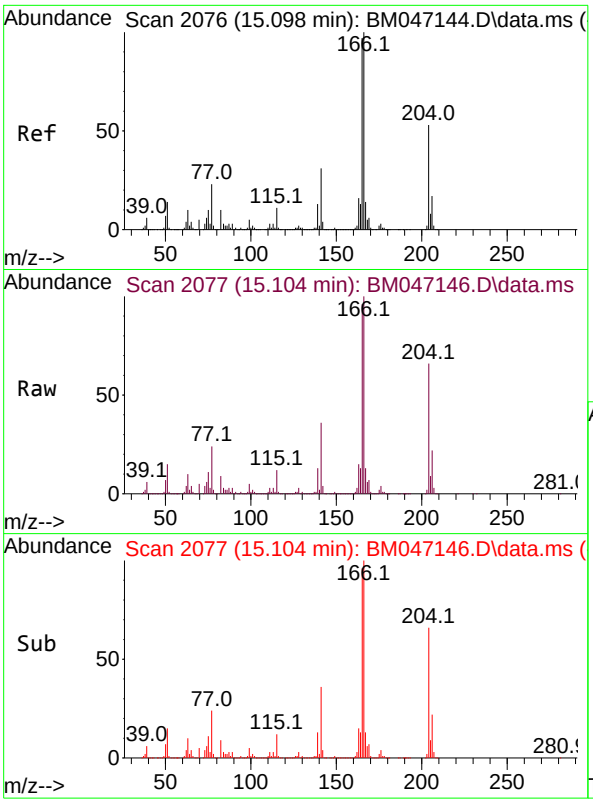


#60
Diethylphthalate
Concen: 58.389 ng
RT: 14.904 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



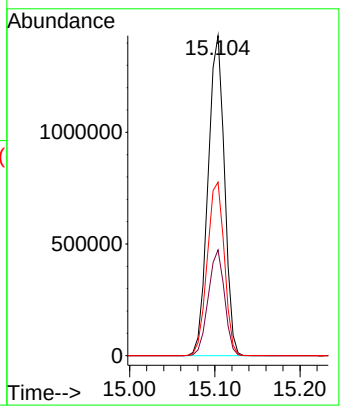


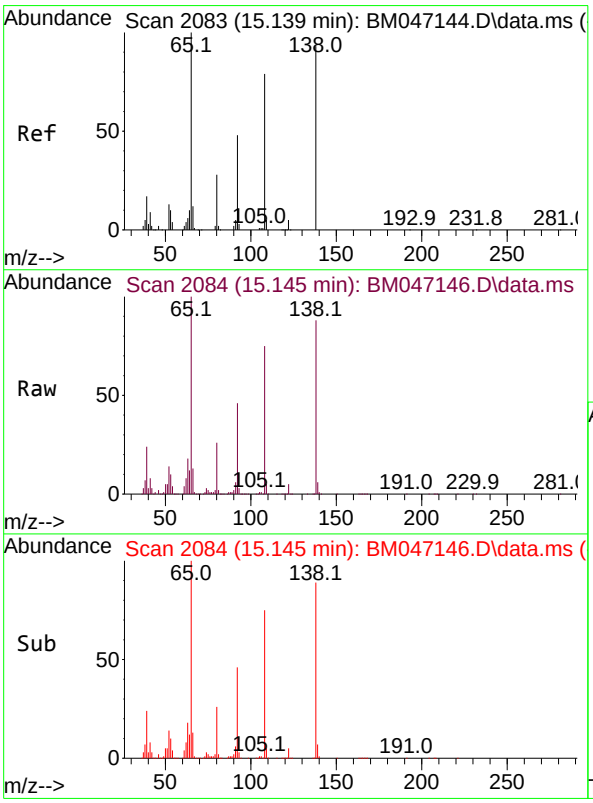
#61
4-Chlorophenyl-phenylether
Concen: 59.903 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

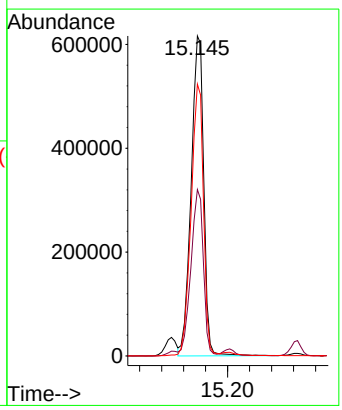


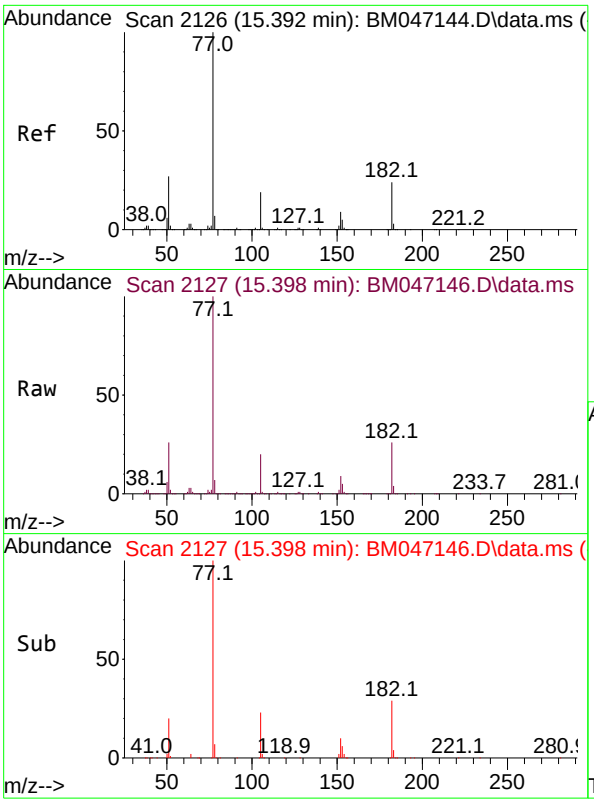


#62
4-Nitroaniline
Concen: 61.238 ng
RT: 15.145 min Scan# 2084
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



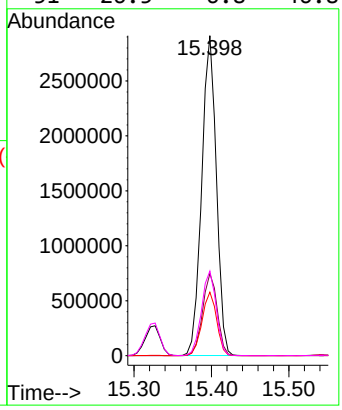


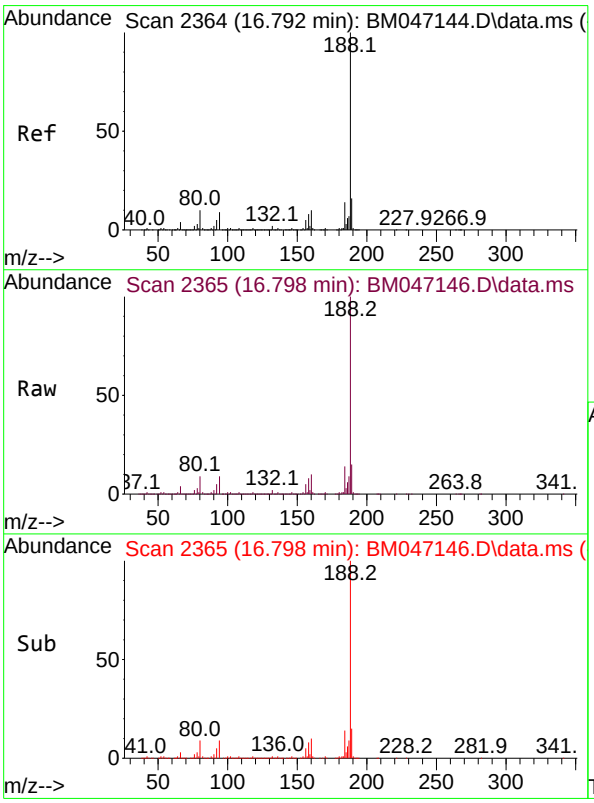
#63
Azobenzene
Concen: 56.986 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

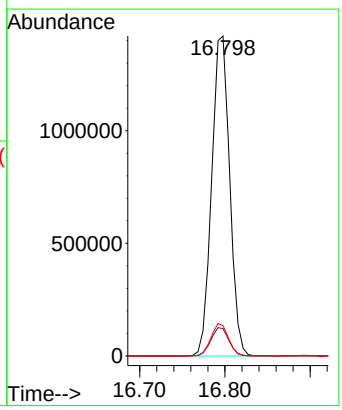


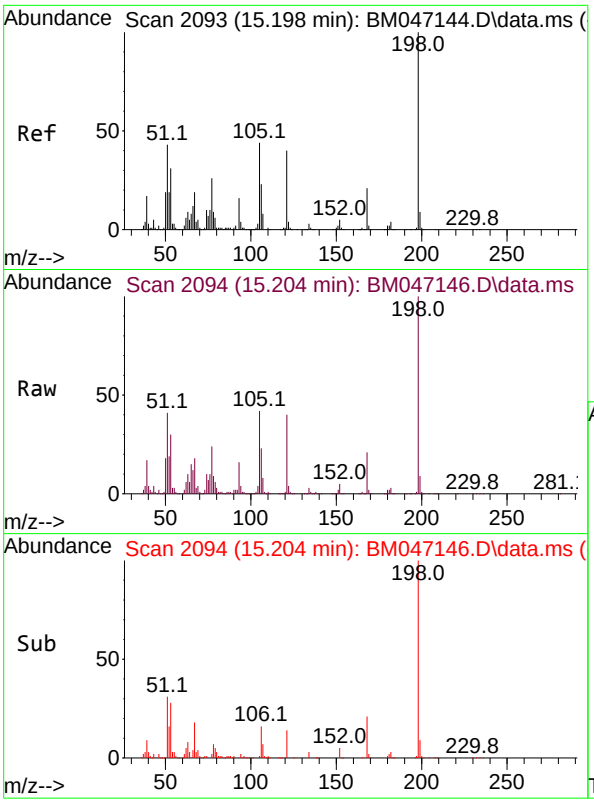


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.798 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



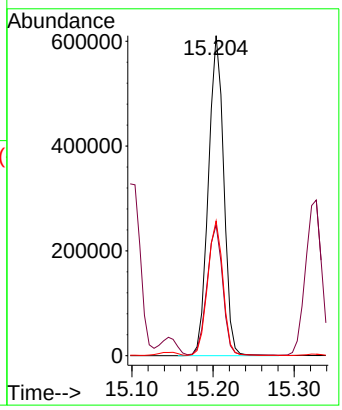


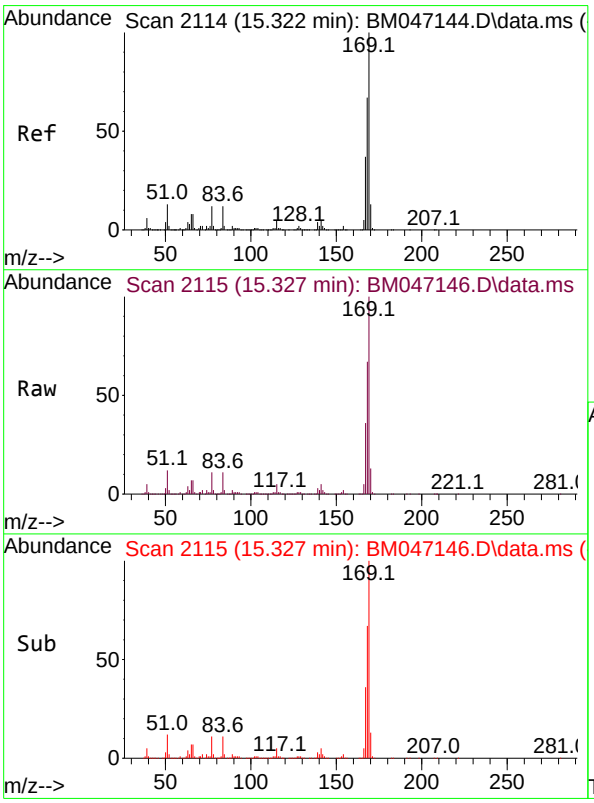
#65
4,6-Dinitro-2-methylphenol
Concen: 65.573 ng
RT: 15.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

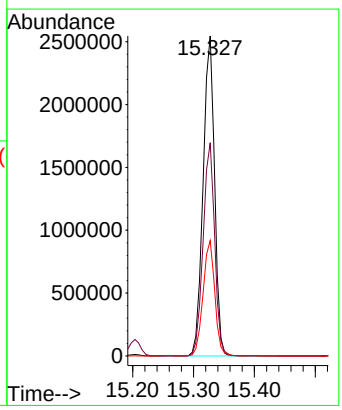


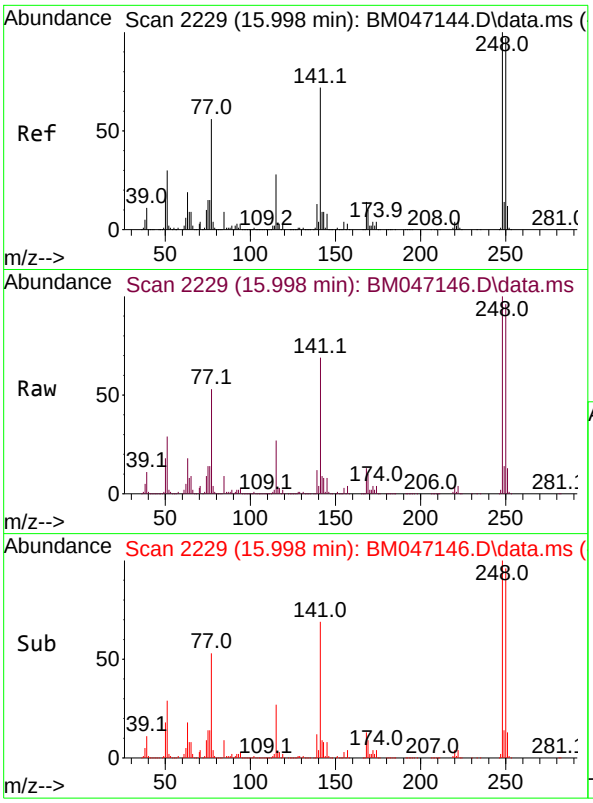


#66
n-Nitrosodiphenylamine
Concen: 58.648 ng
RT: 15.327 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



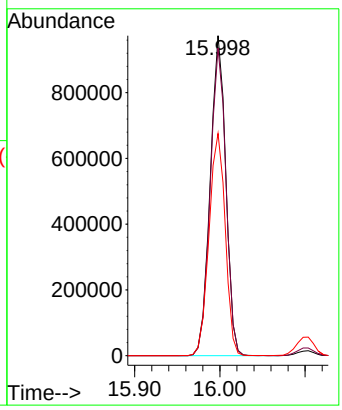


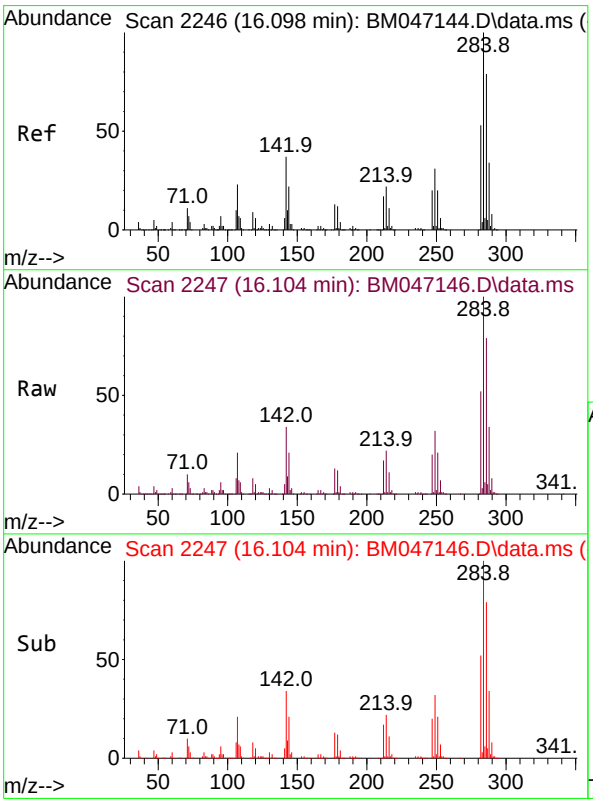
#67
4-Bromophenyl-phenylether
Concen: 61.547 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

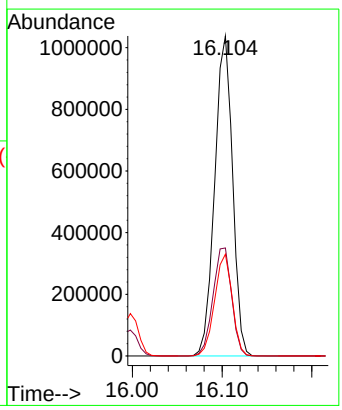


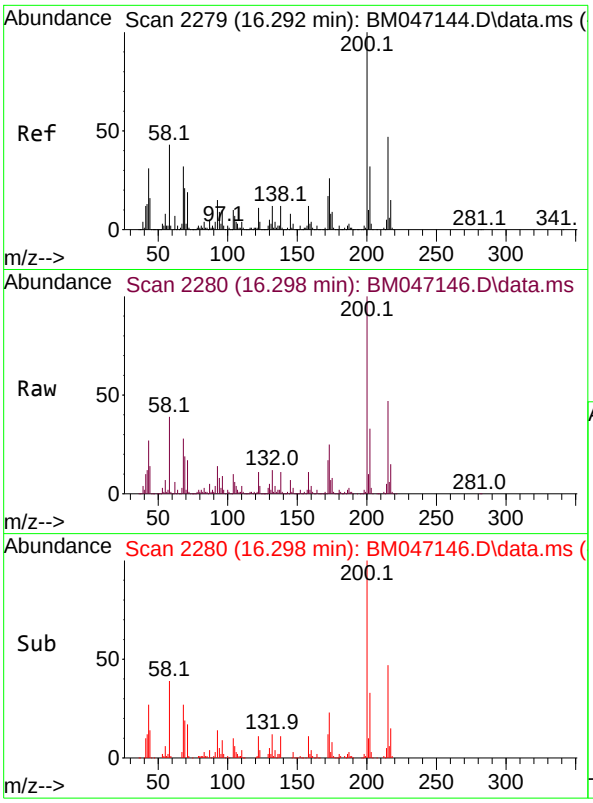


#68
Hexachlorobenzene
Concen: 59.562 ng
RT: 16.104 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



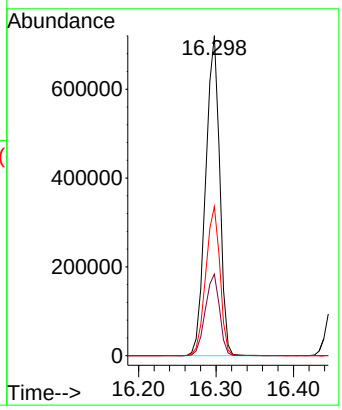


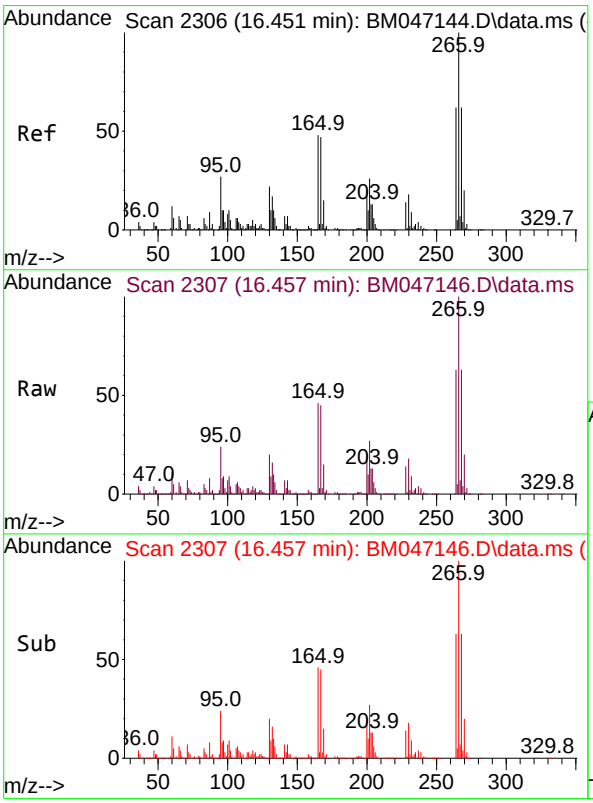
#69
Atrazine
Concen: 53.118 ng
RT: 16.298 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

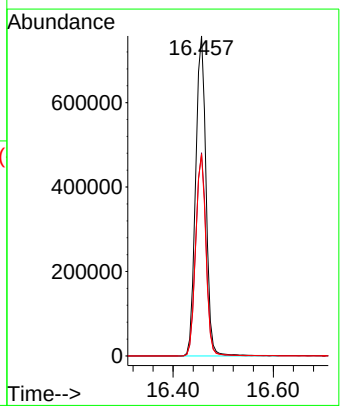


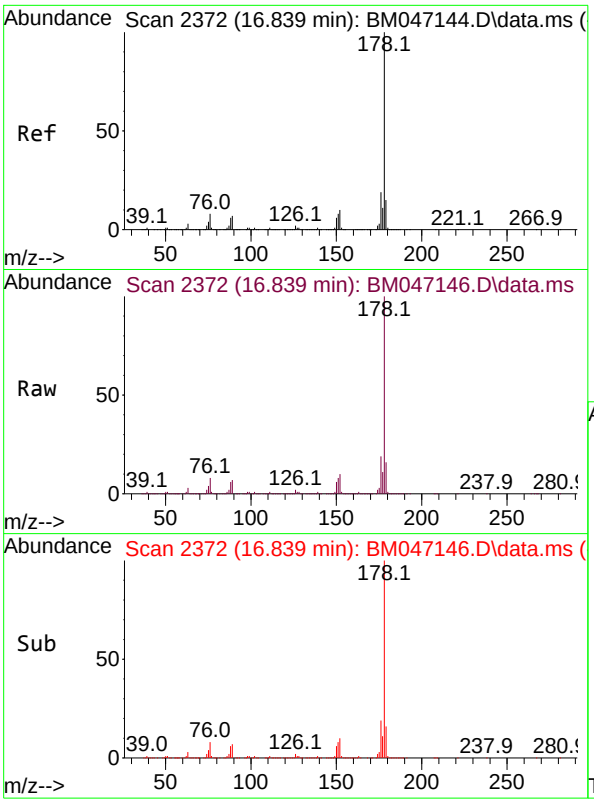


#70
Pentachlorophenol
Concen: 64.503 ng
RT: 16.457 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



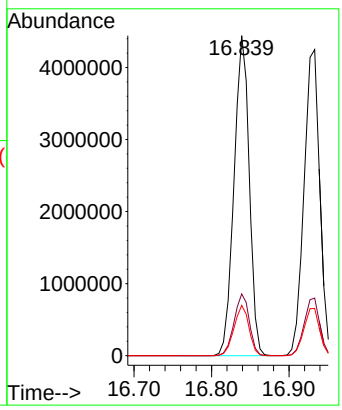


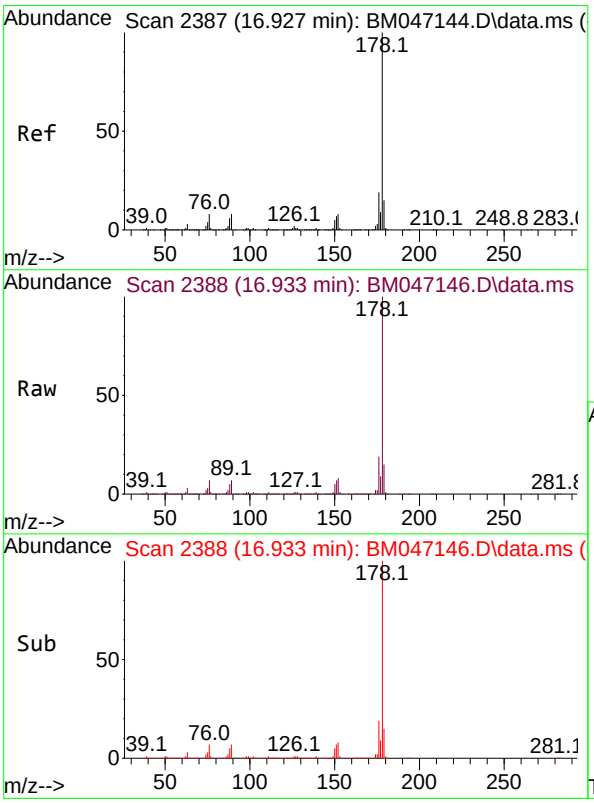
#71
Phenanthrene
Concen: 58.208 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

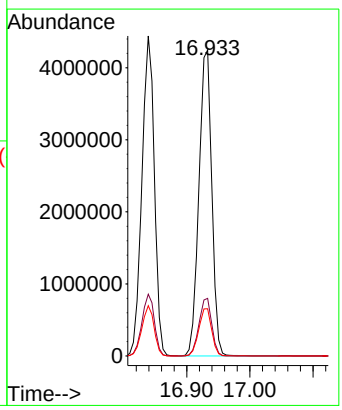


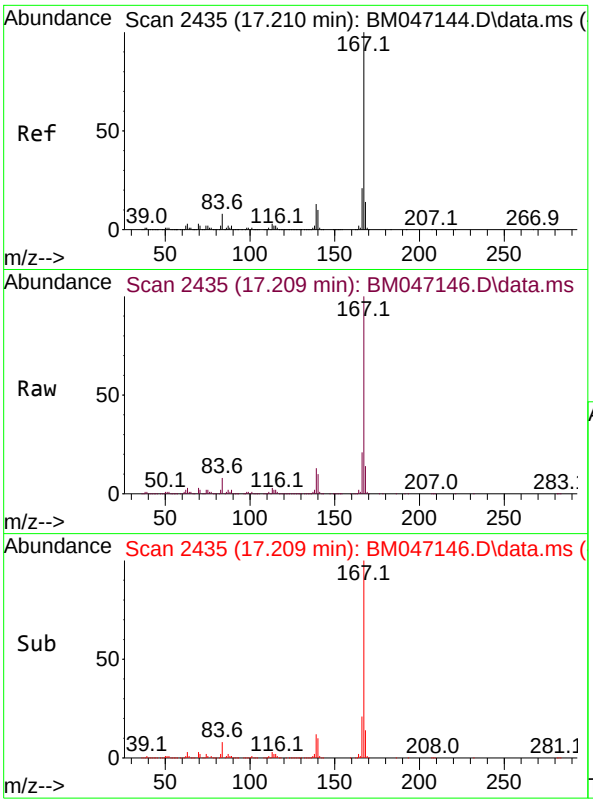


#72
Anthracene
Concen: 59.030 ng
RT: 16.933 min Scan# 2388
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



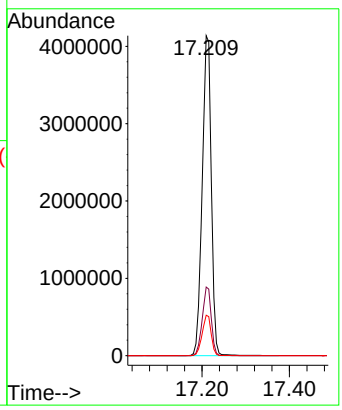


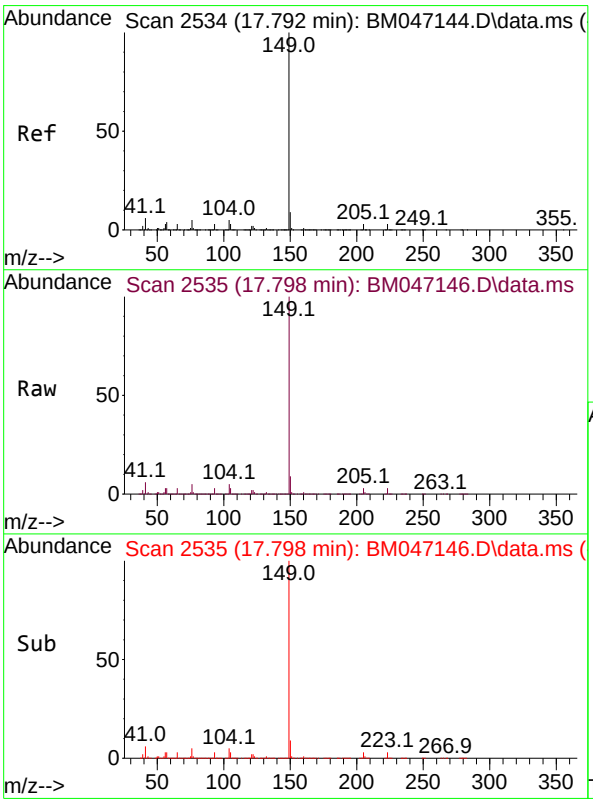
#73
Carbazole
Concen: 57.702 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

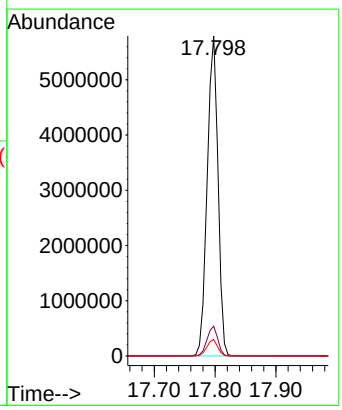


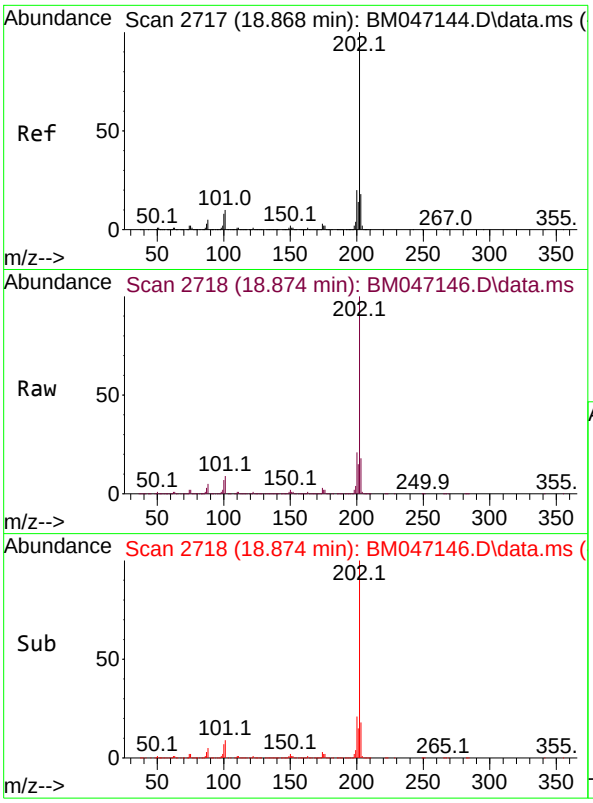


#74
Di-n-butylphthalate
Concen: 58.952 ng
RT: 17.798 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



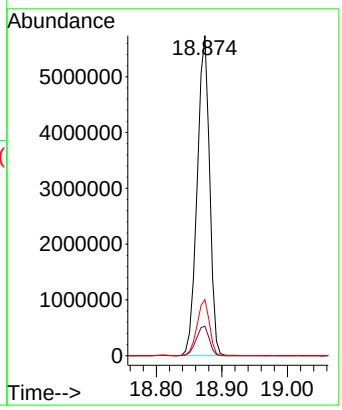


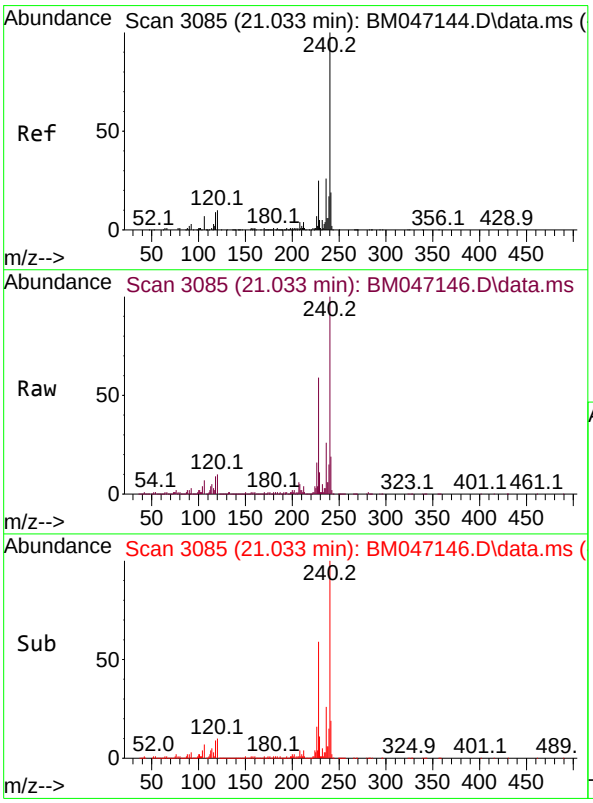
#75
Fluoranthene
Concen: 59.328 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

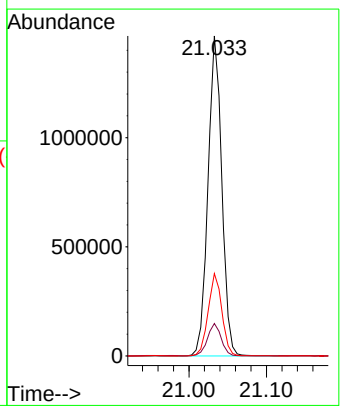


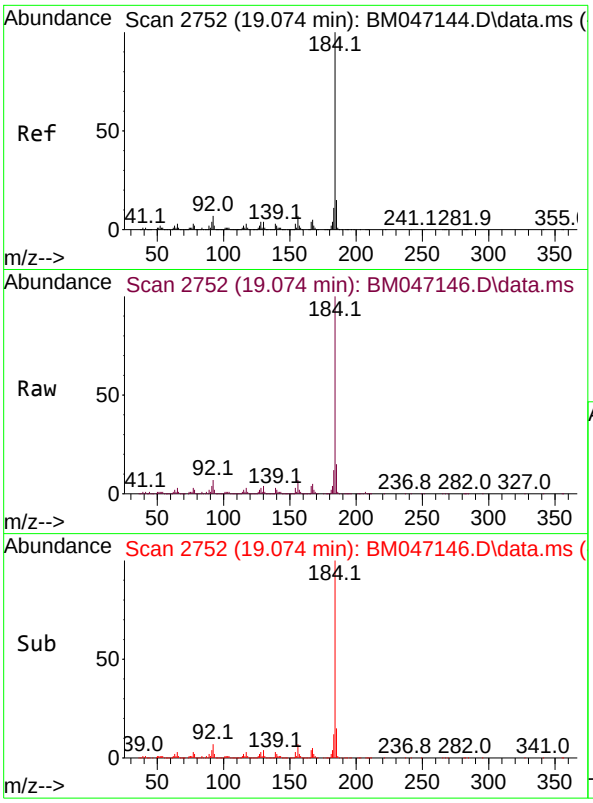


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



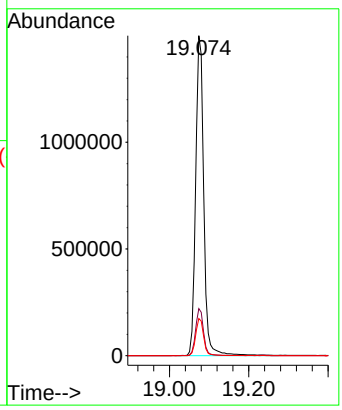


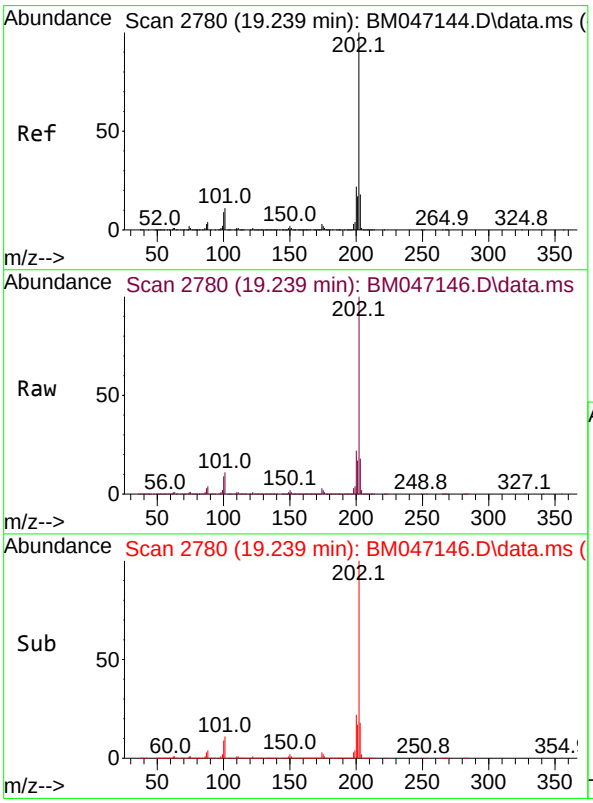
#77
Benzidine
Concen: 68.768 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

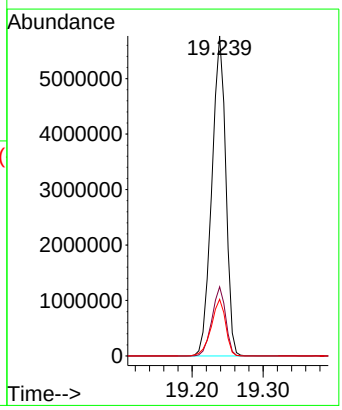


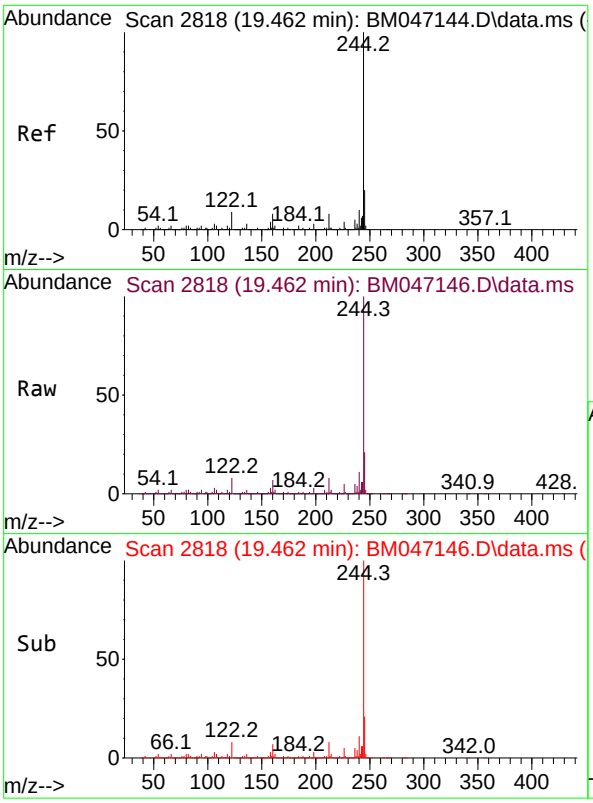


#78
Pyrene
Concen: 60.744 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



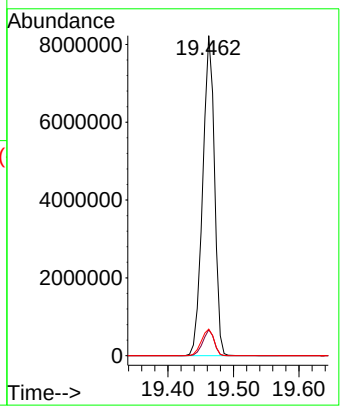


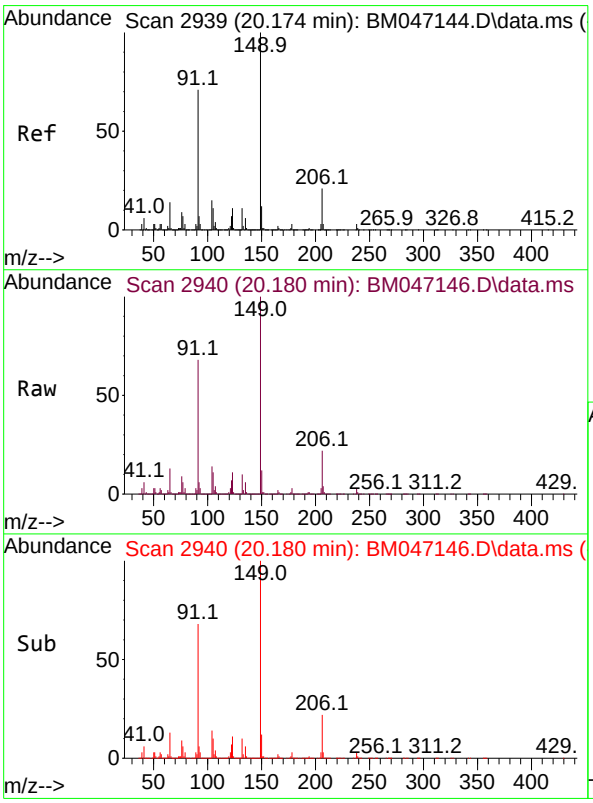
#79
Terphenyl-d14
Concen: 121.942 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

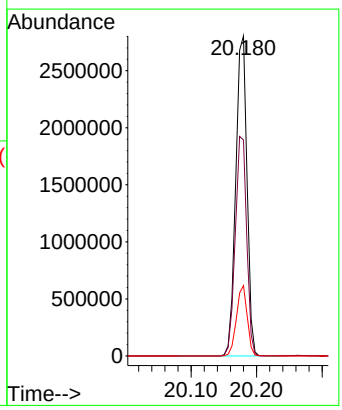


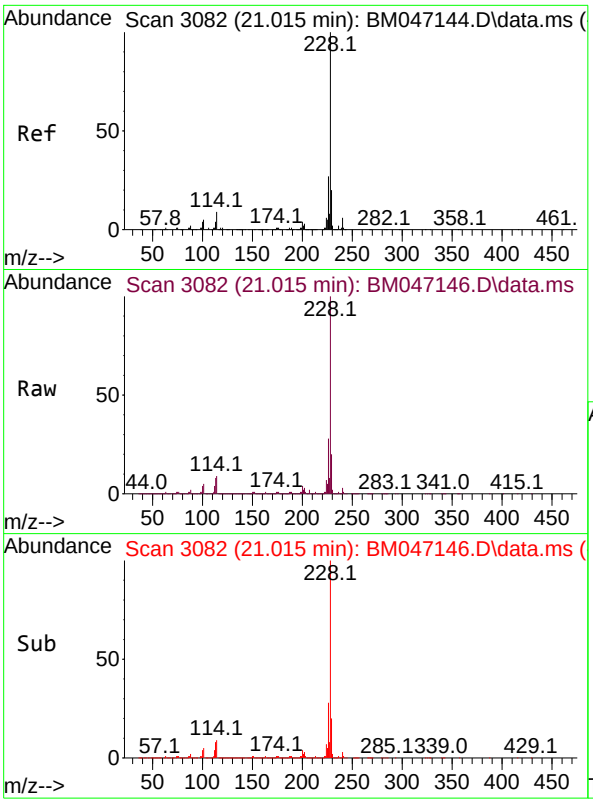


#80
Butylbenzylphthalate
Concen: 63.380 ng
RT: 20.180 min Scan# 2940
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



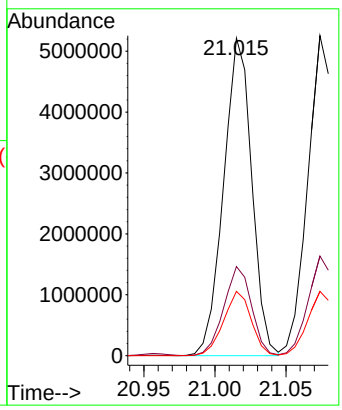


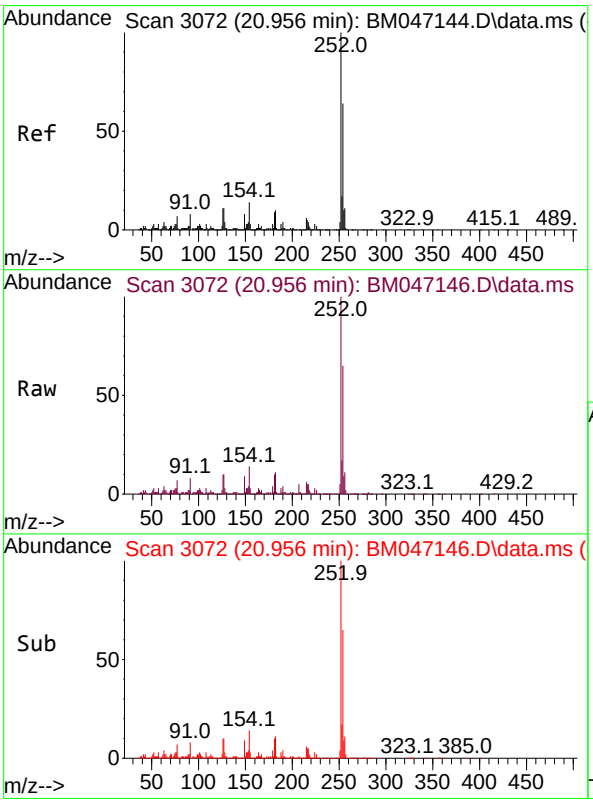
#81
Benzo(a)anthracene
Concen: 59.814 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

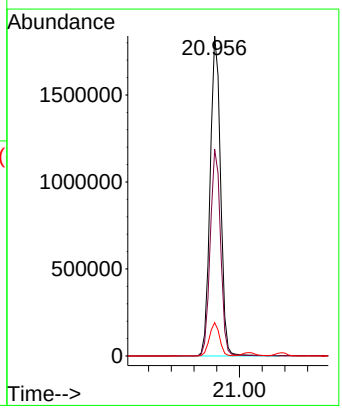


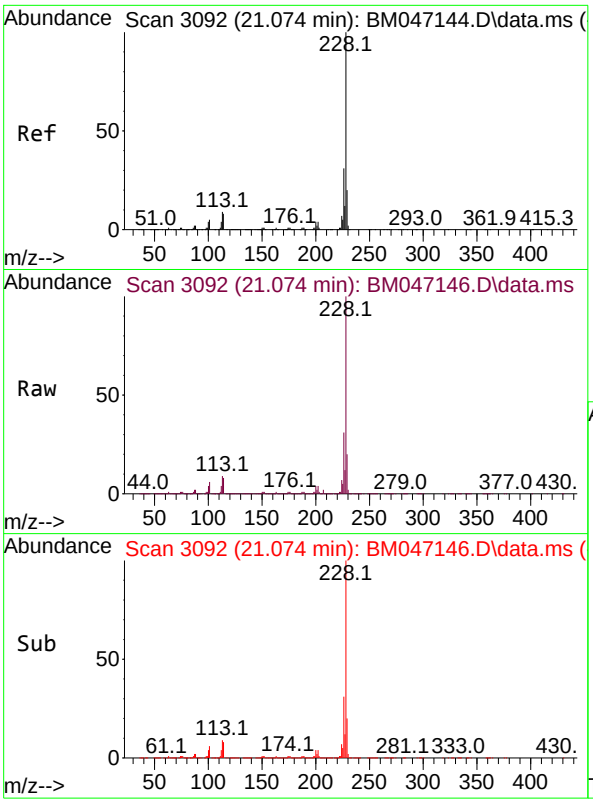


#82
3,3'-Dichlorobenzidine
Concen: 61.593 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



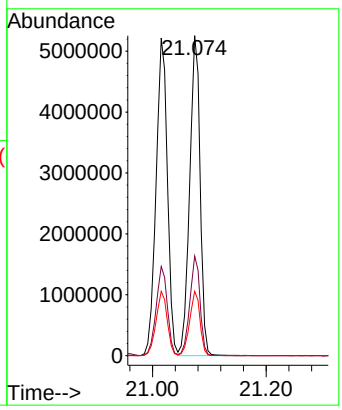


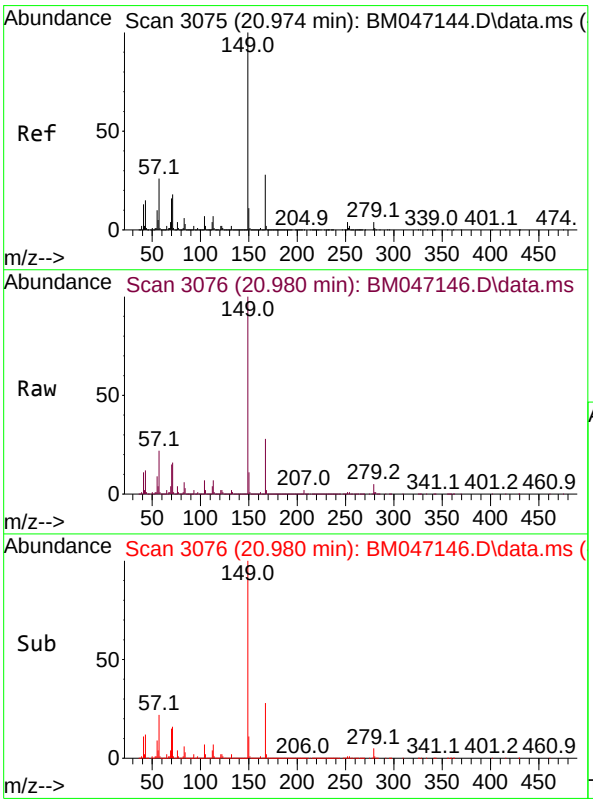
#83
Chrysene
Concen: 58.790 ng
RT: 21.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

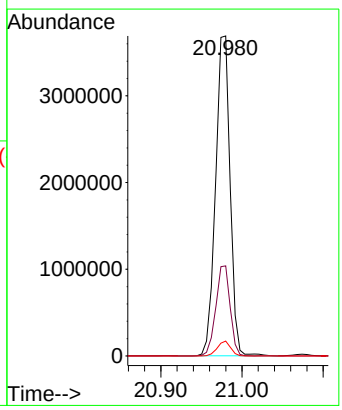


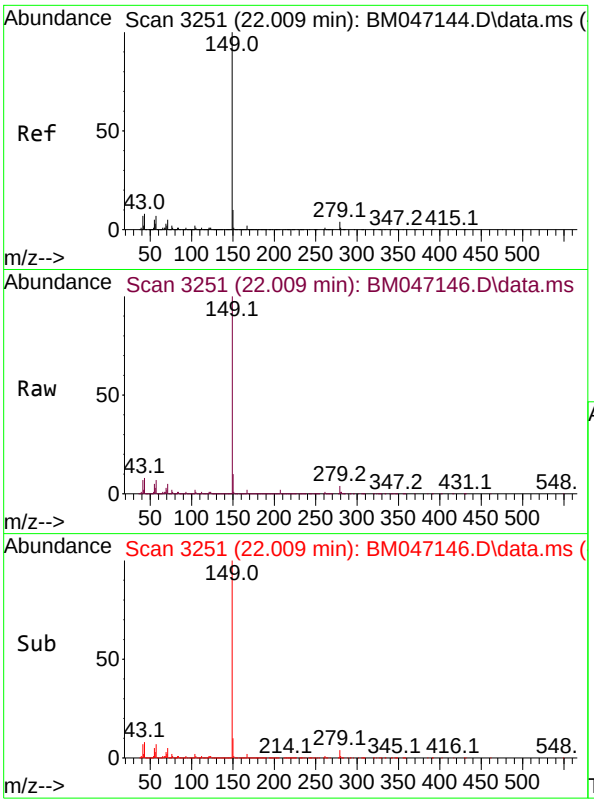


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.396 ng
RT: 20.980 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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#



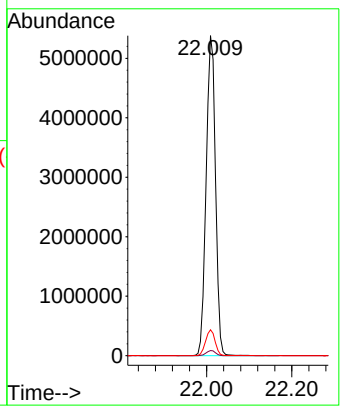


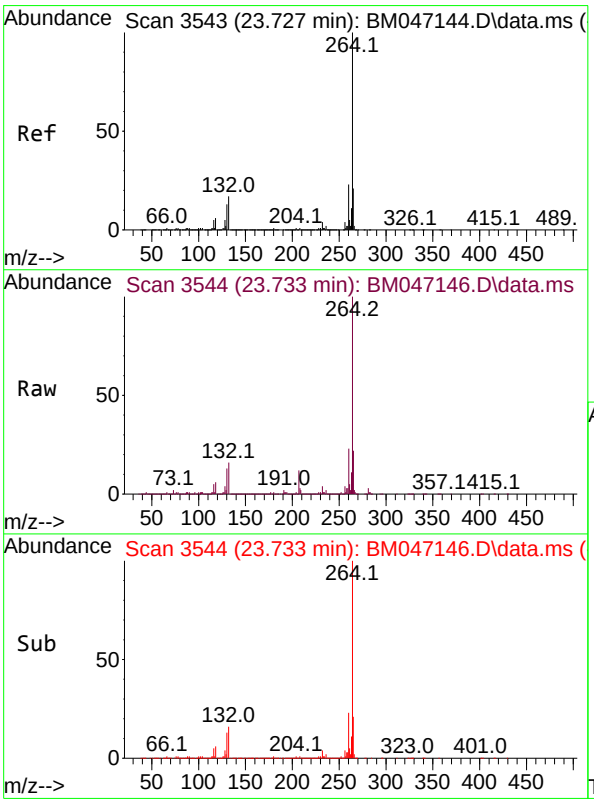
#85
Di-n-octyl phthalate
Concen: 64.180 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

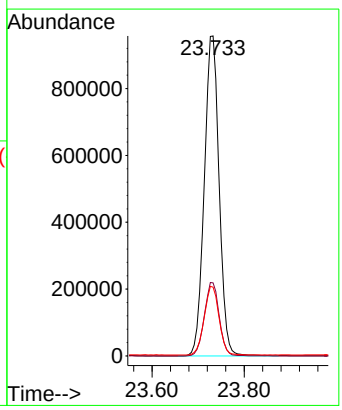


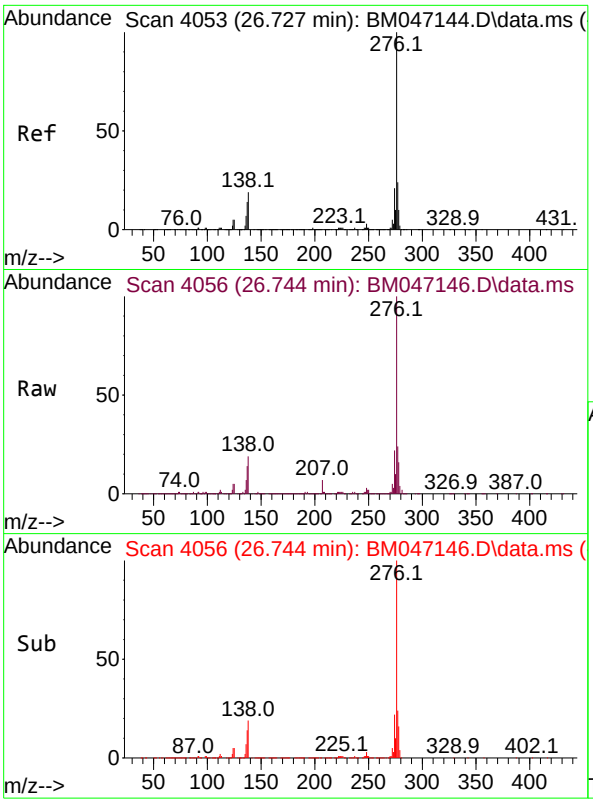


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



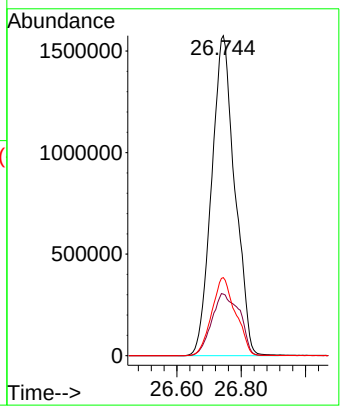


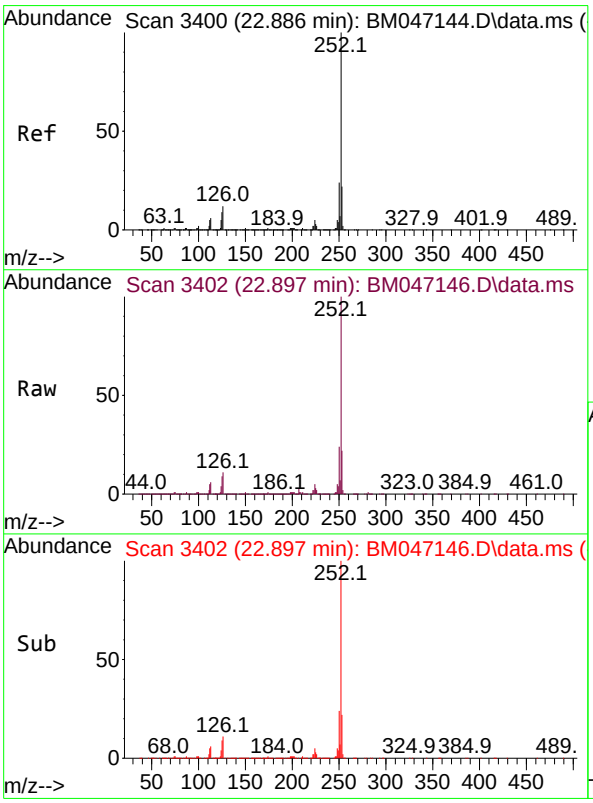
#87
Indeno(1,2,3-cd)pyrene
Concen: 56.929 ng
RT: 26.744 min Scan# 4
Delta R.T. 0.017 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

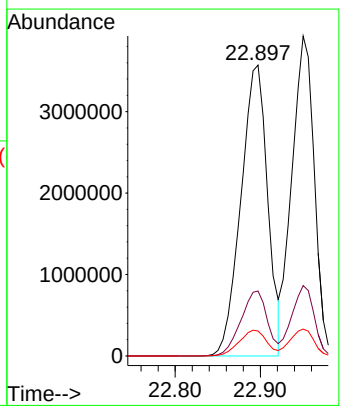


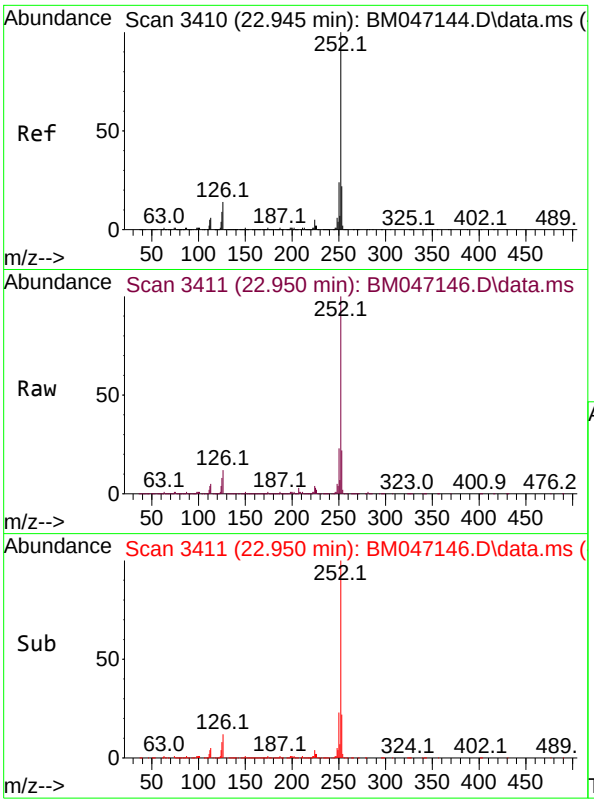


#88
Benzo(b)fluoranthene
Concen: 60.962 ng
RT: 22.897 min Scan# 3402
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



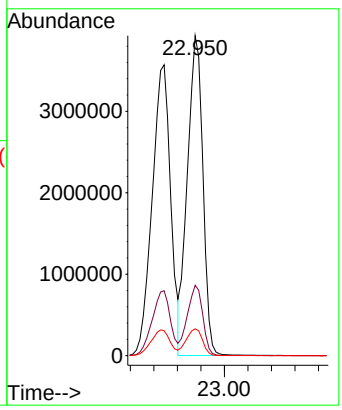


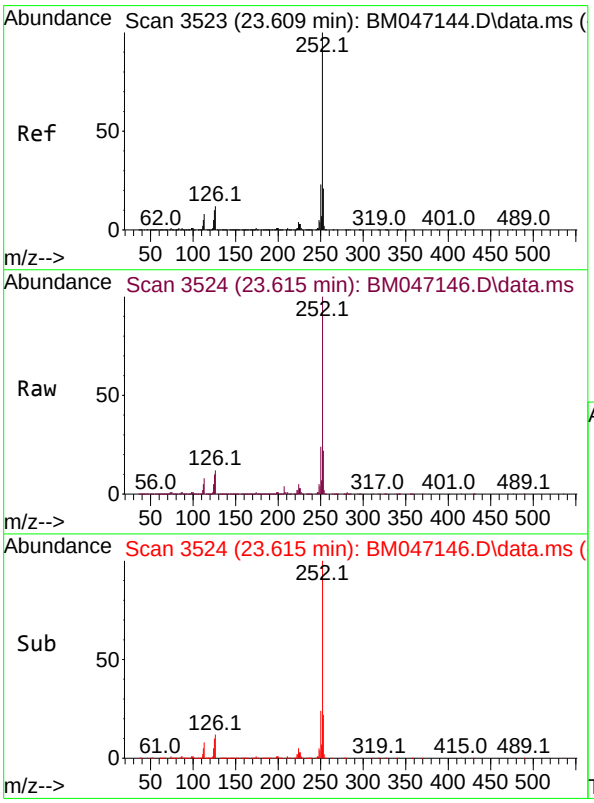
#89
Benzo(k)fluoranthene
Concen: 59.680 ng
RT: 22.950 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

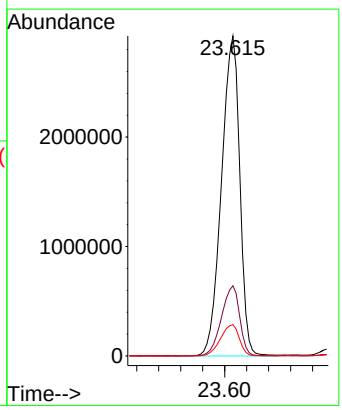


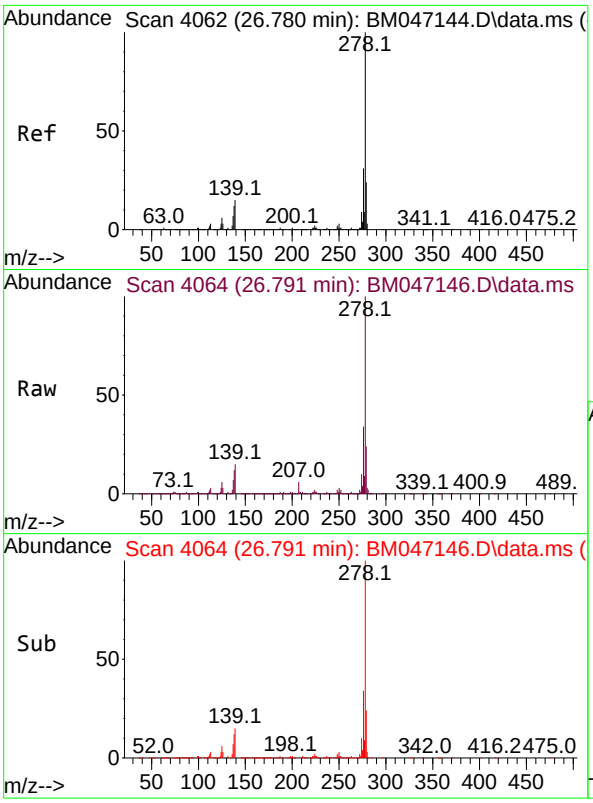


#90
Benzo(a)pyrene
Concen: 60.997 ng
RT: 23.615 min Scan# 3524
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



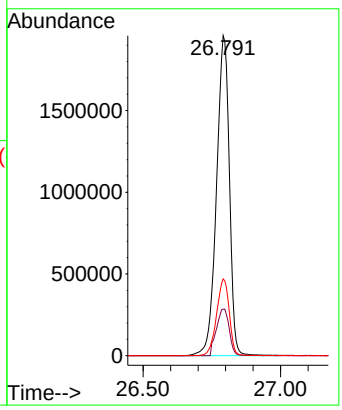


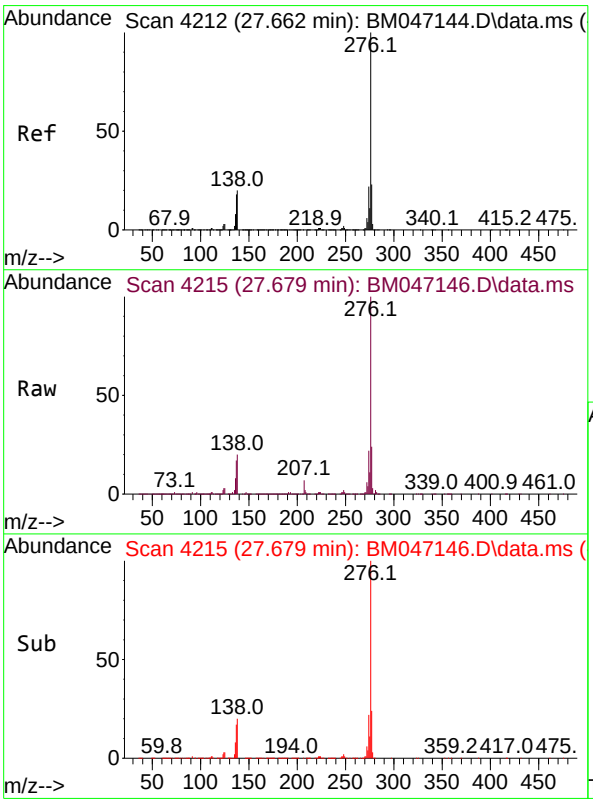
#91
Dibenzo(a,h)anthracene
Concen: 56.576 ng
RT: 26.791 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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

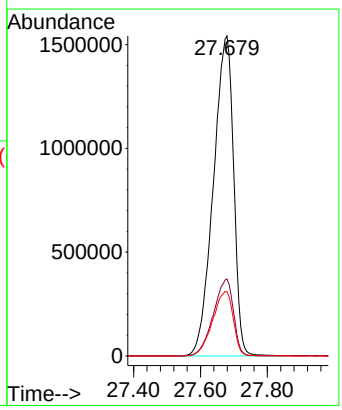




#92
Benzo(g,h,i)perylene
Concen: 55.488 ng
RT: 27.679 min Scan# 4215
Delta R.T. 0.017 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

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



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

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

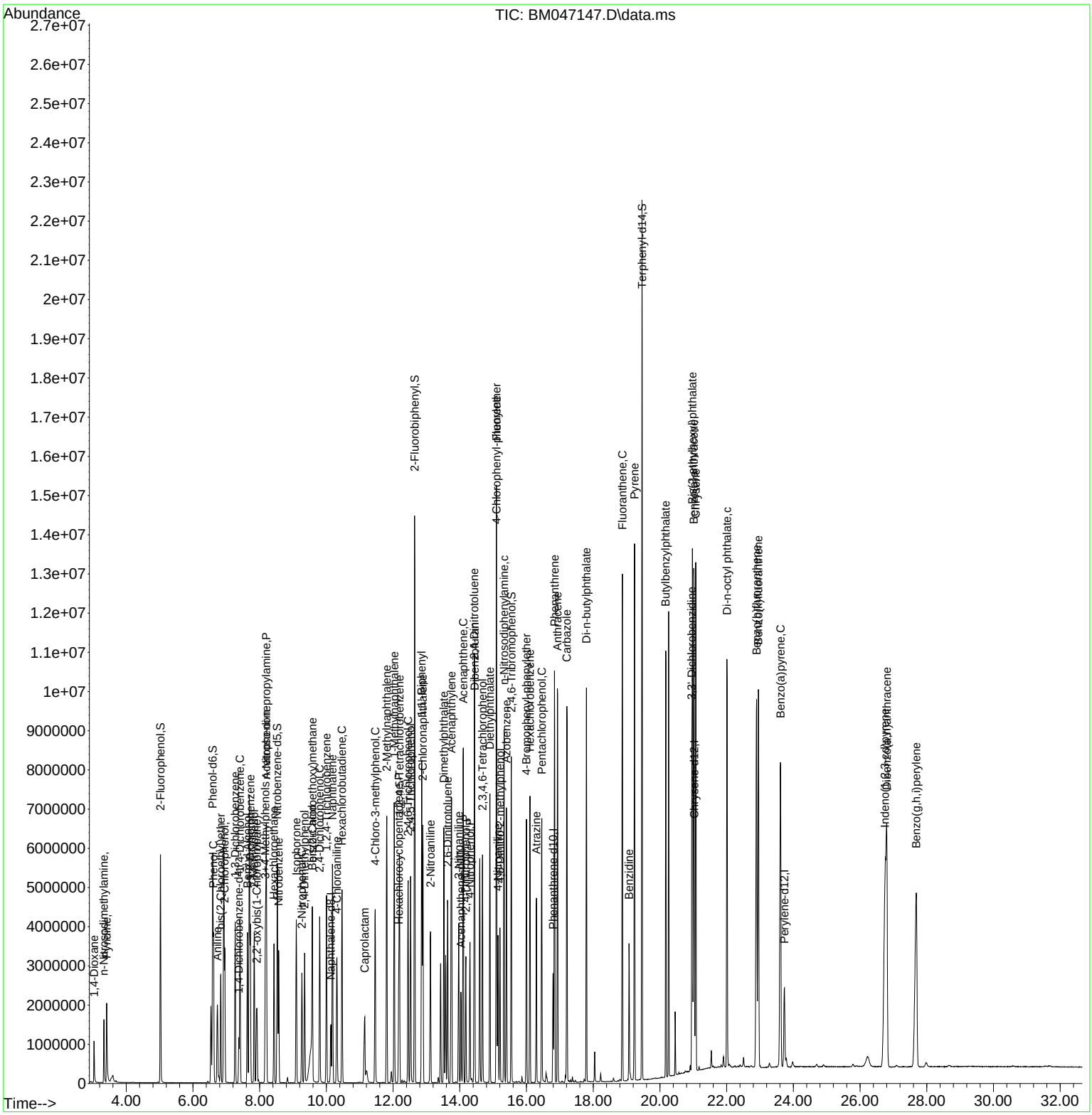
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	1,1'-Biphenyl	12.857	154	4241252	74.866	ng	98
47)	2-Chloronaphthalene	12.892	162	3319138	74.960	ng	99
48)	2-Nitroaniline	13.122	65	1090521	78.614	ng	99
49)	Acenaphthylene	13.751	152	4945706	75.775	ng	99
50)	Dimethylphthalate	13.522	163	4196226	75.503	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

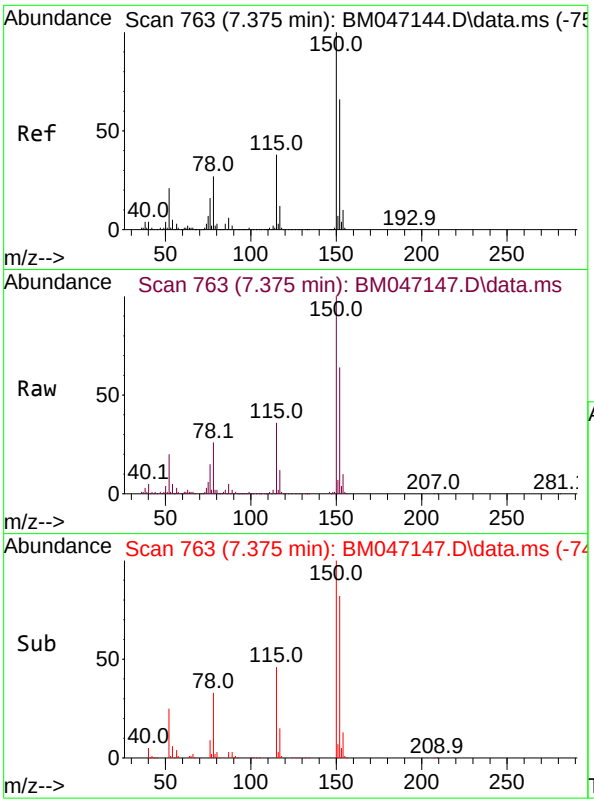
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



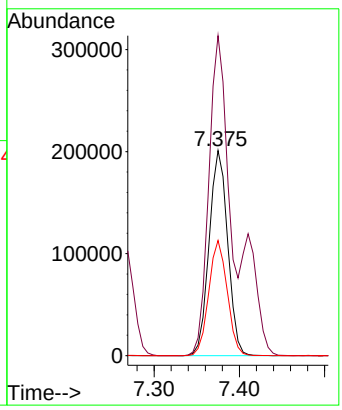


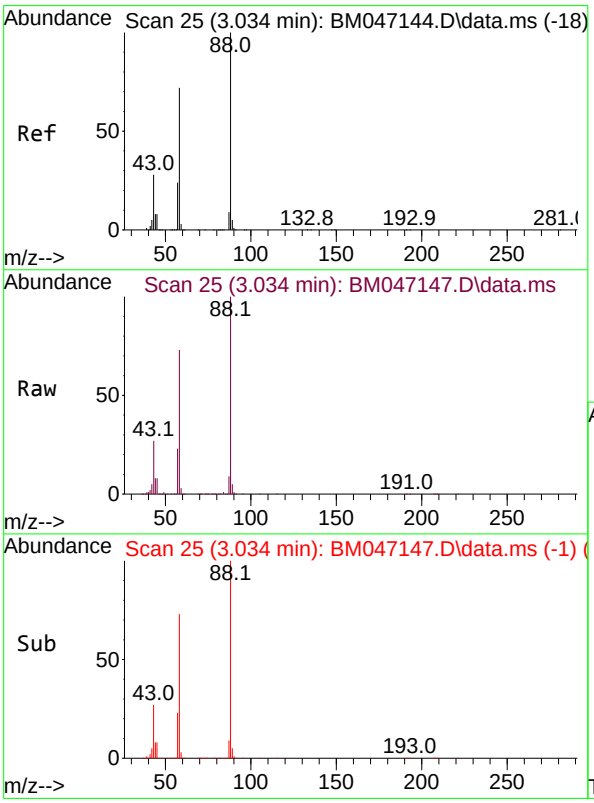
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

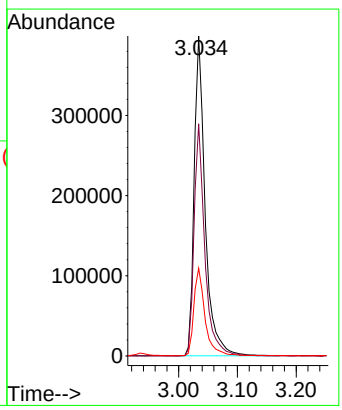


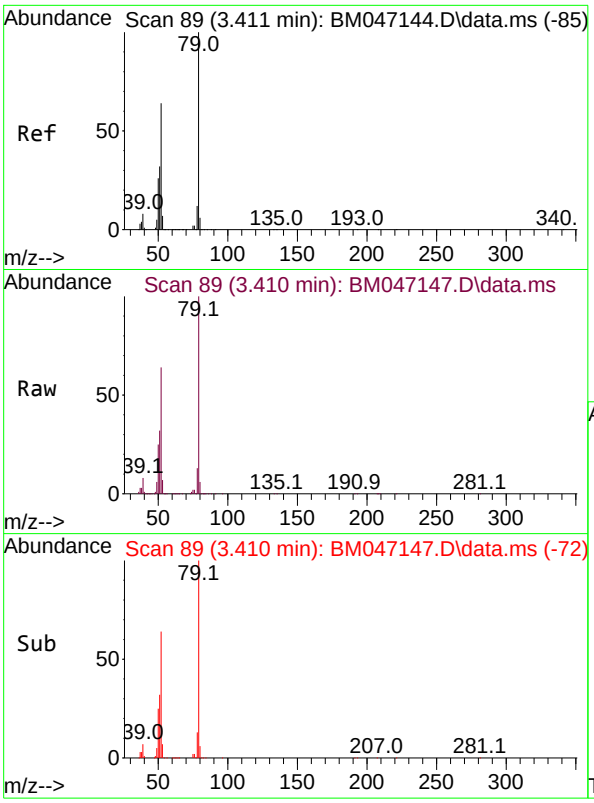


#2
1,4-Dioxane
Concen: 73.496 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



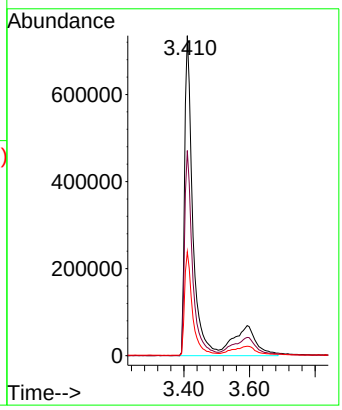


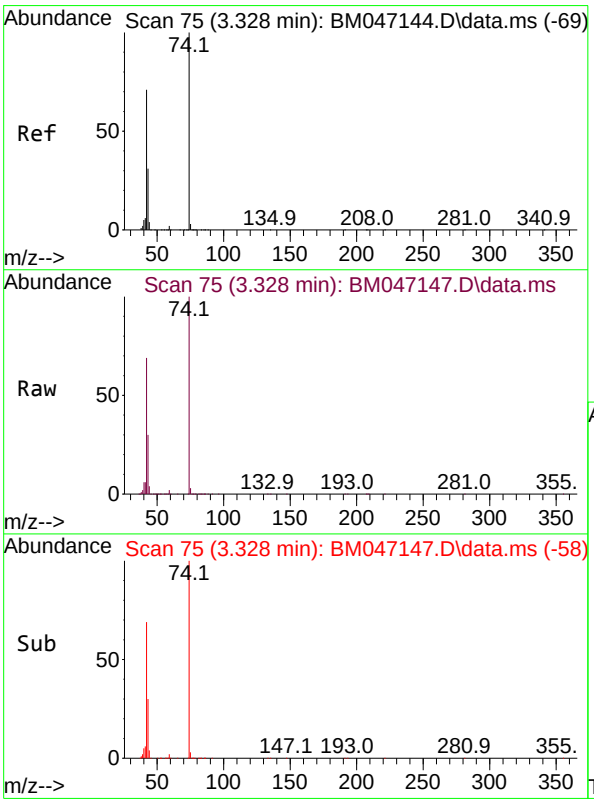
#3
Pyridine
Concen: 76.560 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

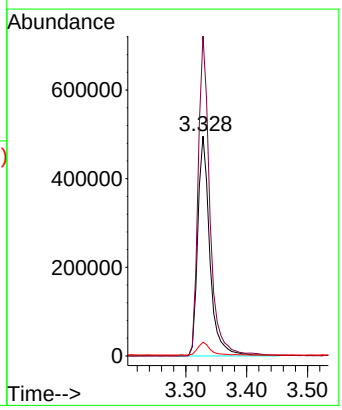


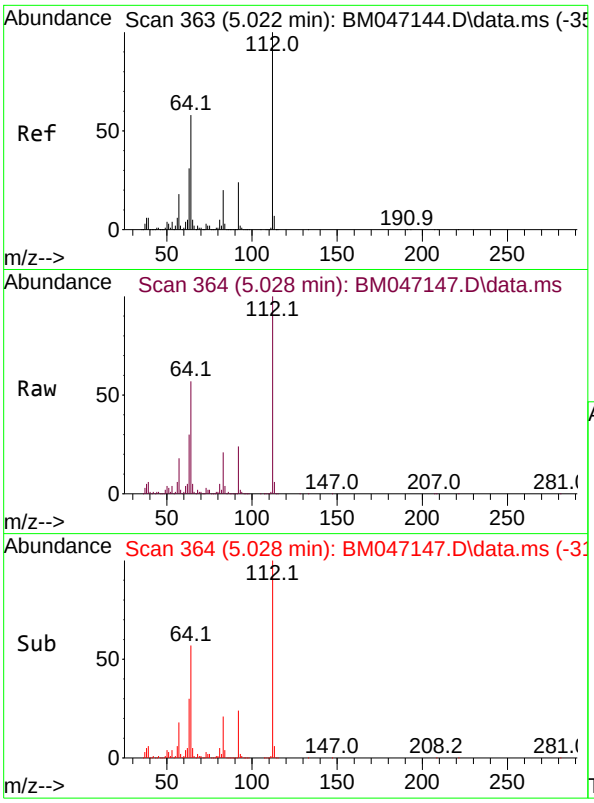


#4
n-Nitrosodimethylamine
Concen: 75.066 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



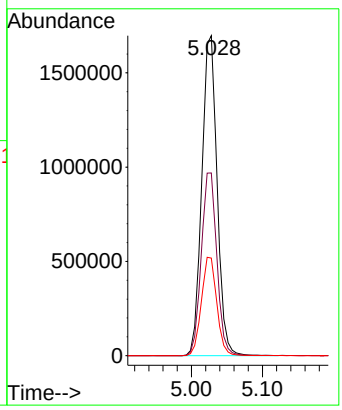


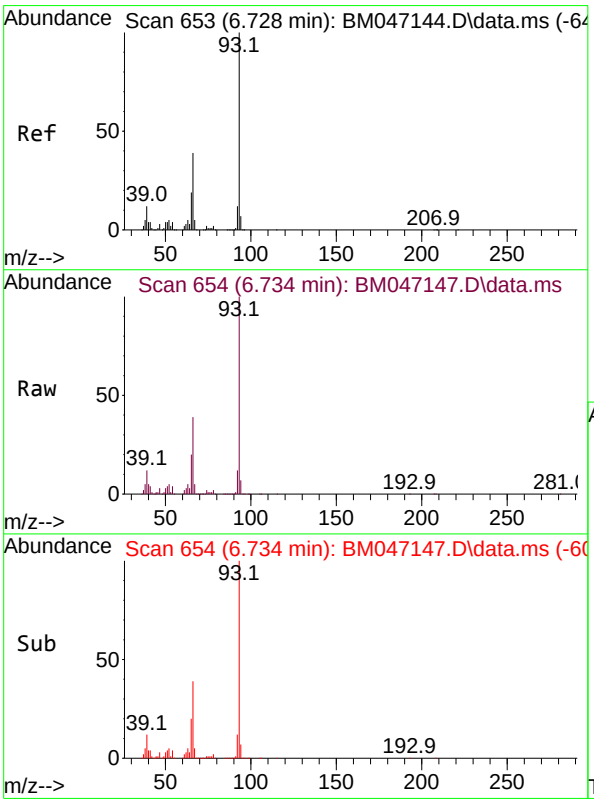
#5
2-Fluorophenol
Concen: 149.572 ng
RT: 5.028 min Scan# 3(
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

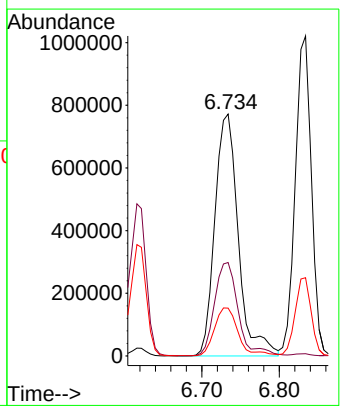


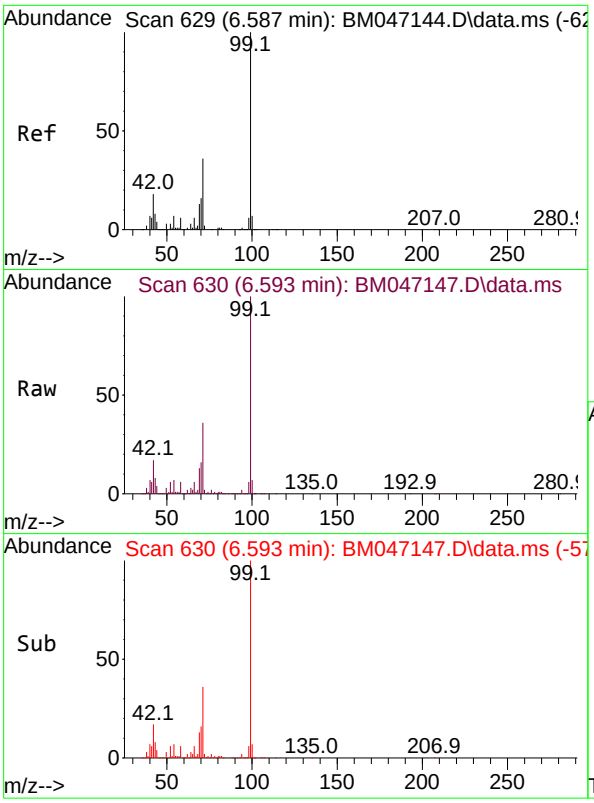


#6
Aniline
Concen: 73.227 ng
RT: 6.734 min Scan# 654
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



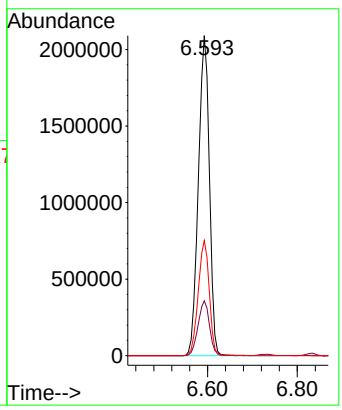


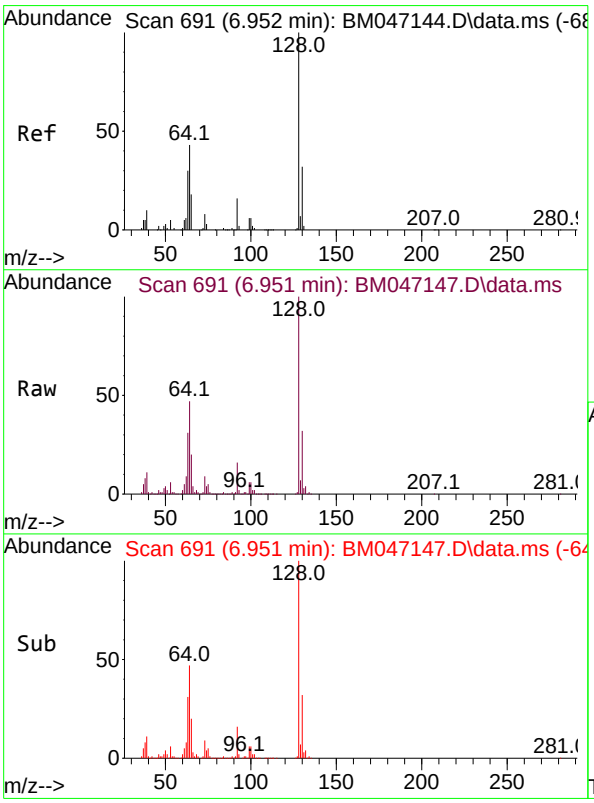
#7
Phenol-d6
Concen: 151.625 ng
RT: 6.593 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

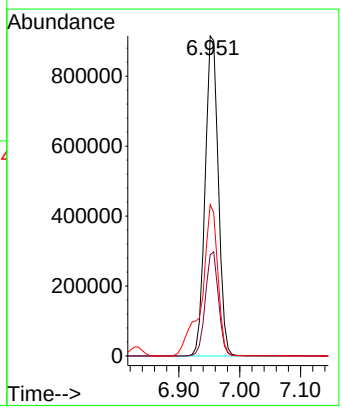


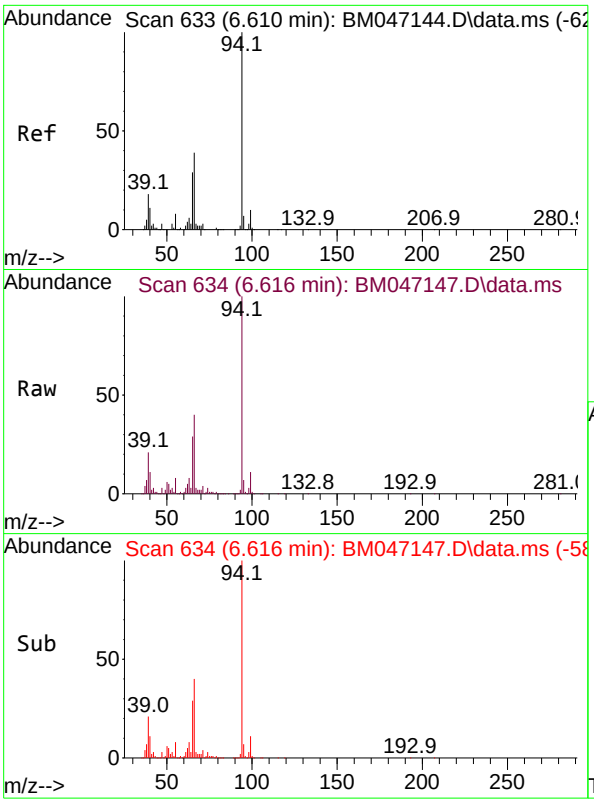


#8
2-Chlorophenol
Concen: 73.876 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



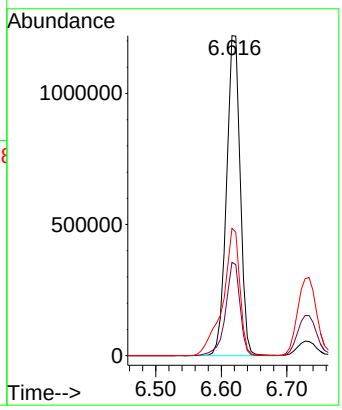


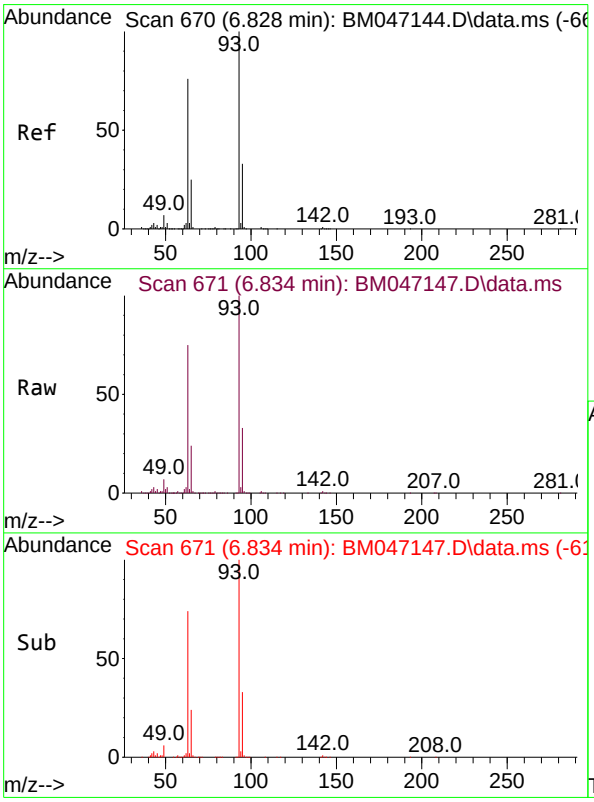
#10
Phenol
Concen: 75.529 ng
RT: 6.616 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

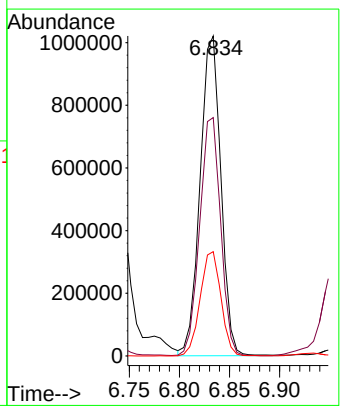


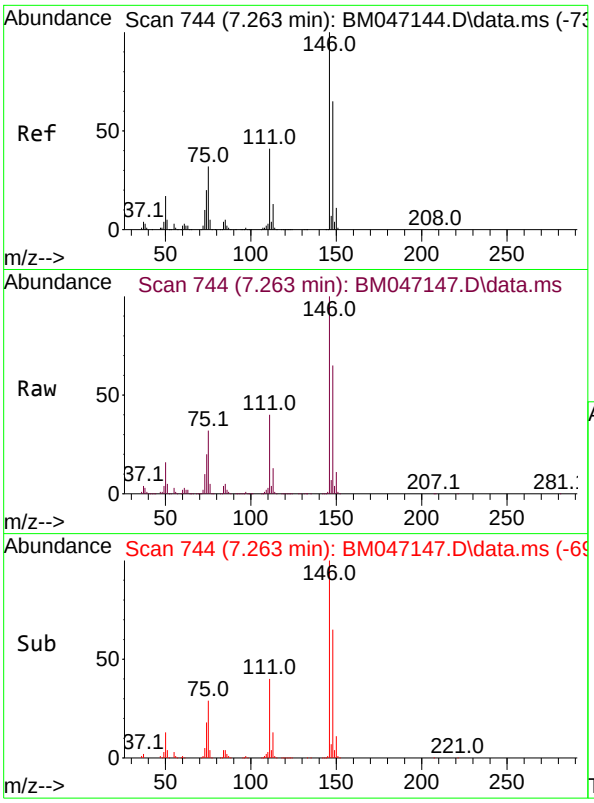


#11
bis(2-Chloroethyl)ether
Concen: 73.503 ng
RT: 6.834 min Scan# 671
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



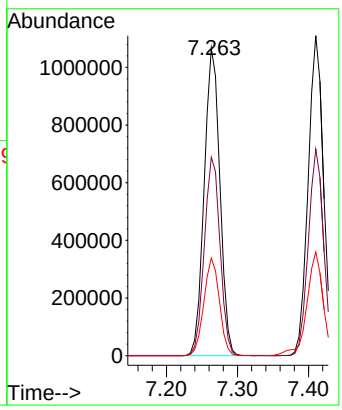


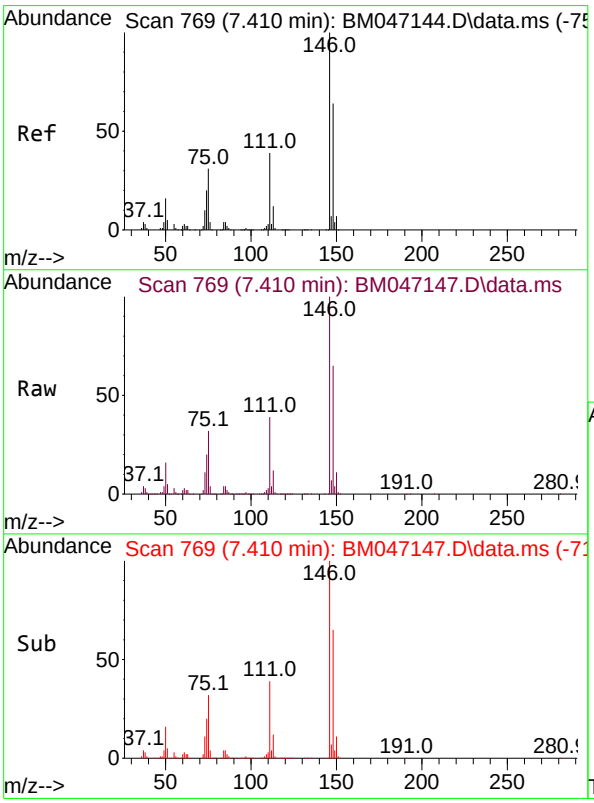
#12
1,3-Dichlorobenzene
Concen: 74.424 ng
RT: 7.263 min Scan# 74
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

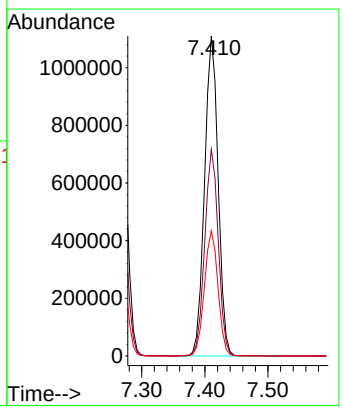


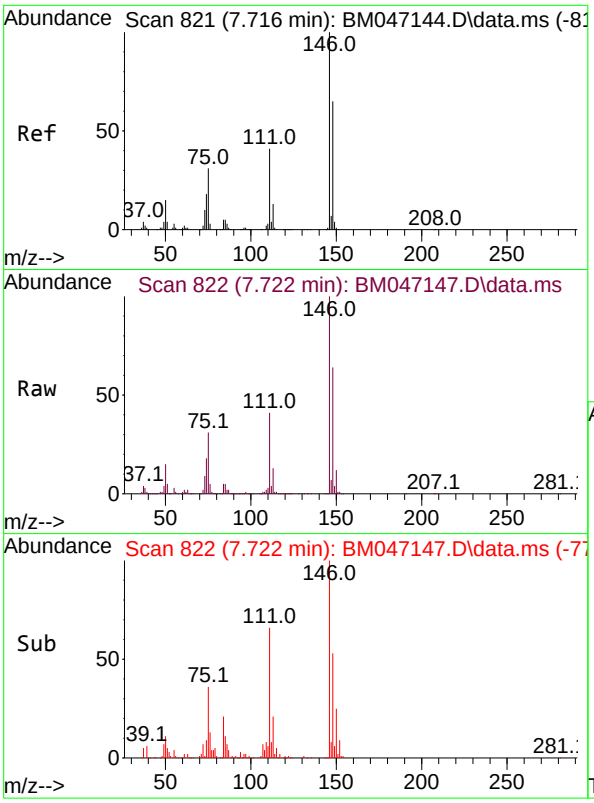


#13
1,4-Dichlorobenzene
Concen: 74.089 ng
RT: 7.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



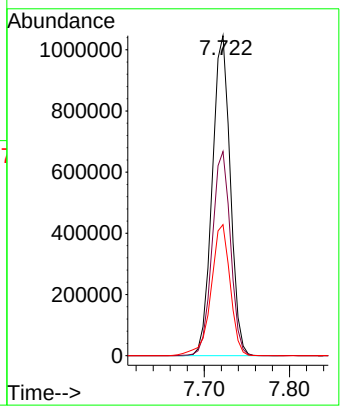


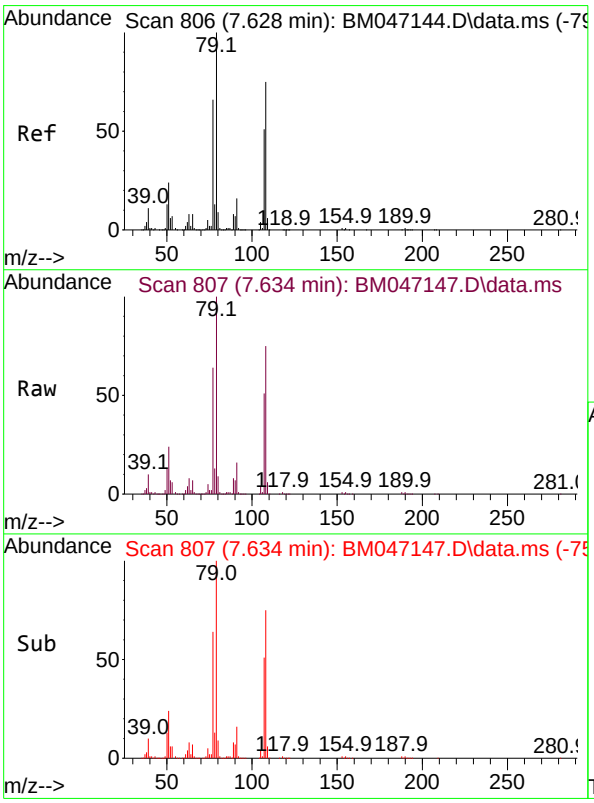
#14
1,2-Dichlorobenzene
Concen: 72.806 ng
RT: 7.722 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

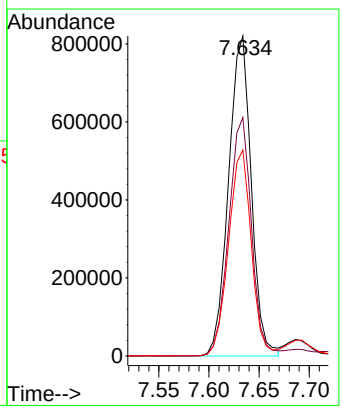


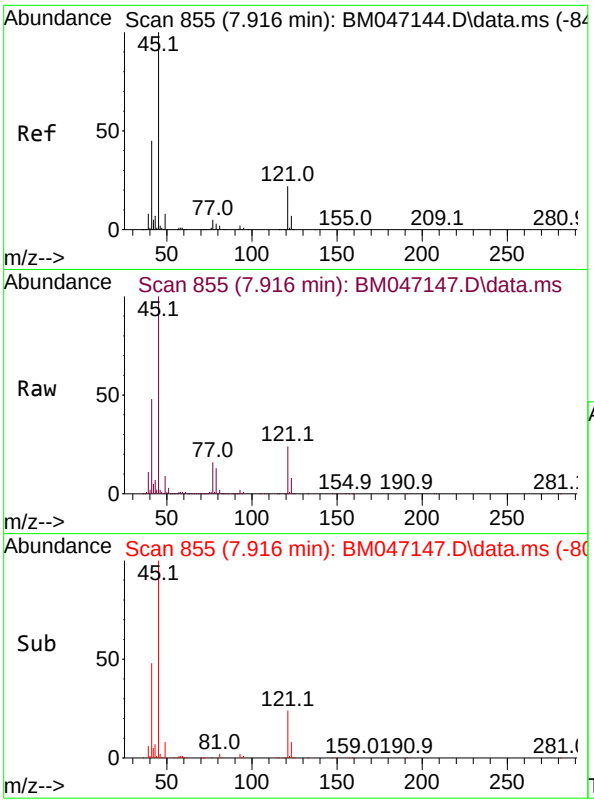


#15
Benzyl Alcohol
Concen: 77.443 ng
RT: 7.634 min Scan# 807
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



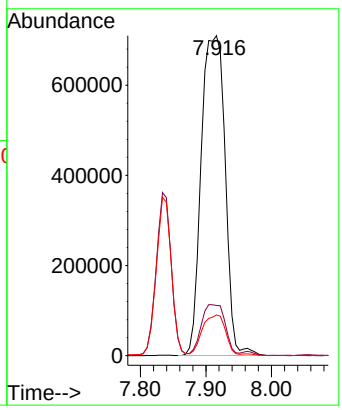


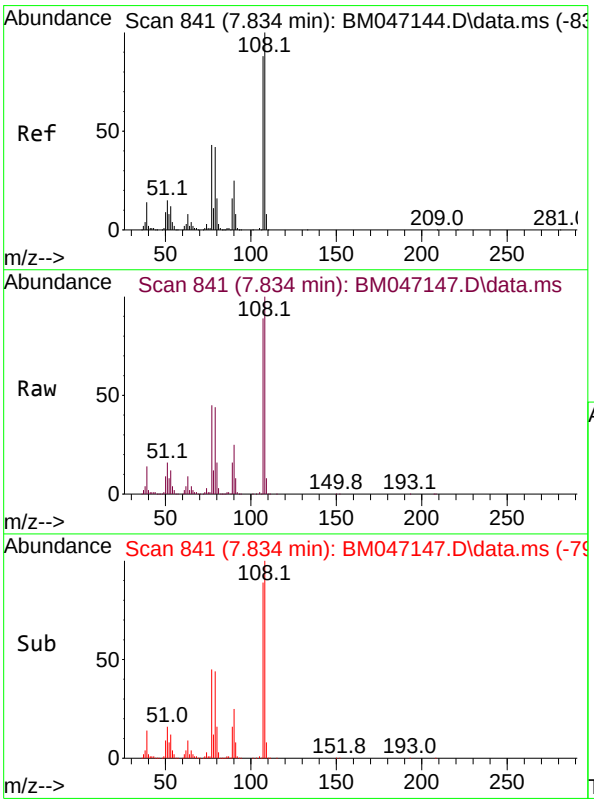
#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.769 ng
RT: 7.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

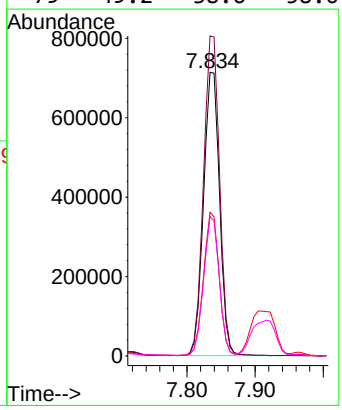


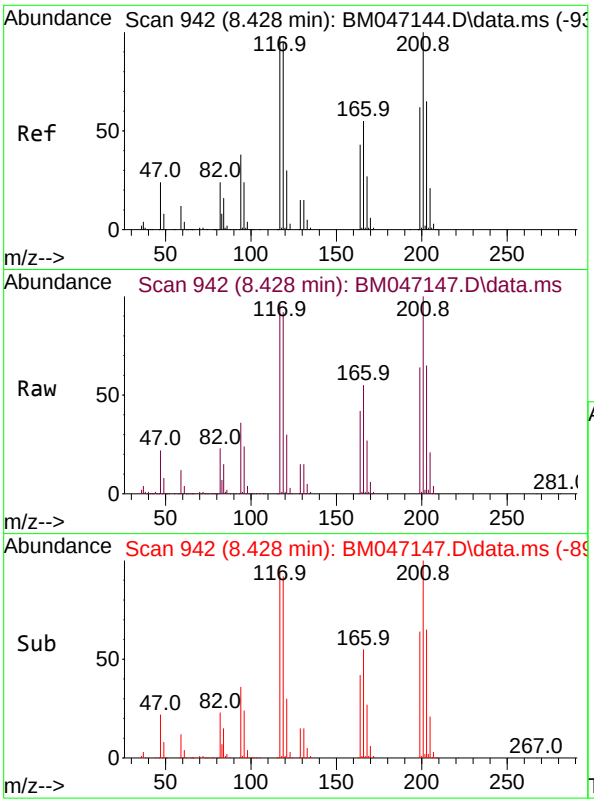


#17
2-Methylphenol
Concen: 74.722 ng
RT: 7.834 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



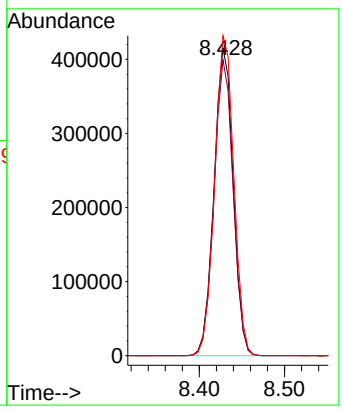


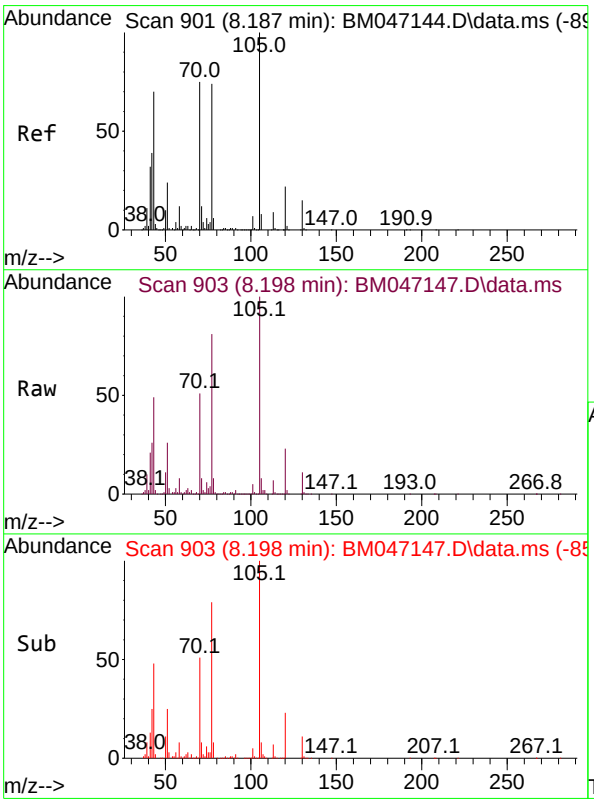
#18
Hexachloroethane
Concen: 75.015 ng
RT: 8.428 min Scan# 94
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

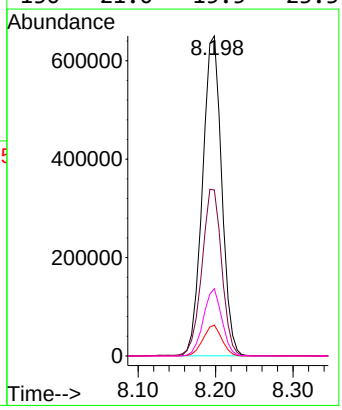


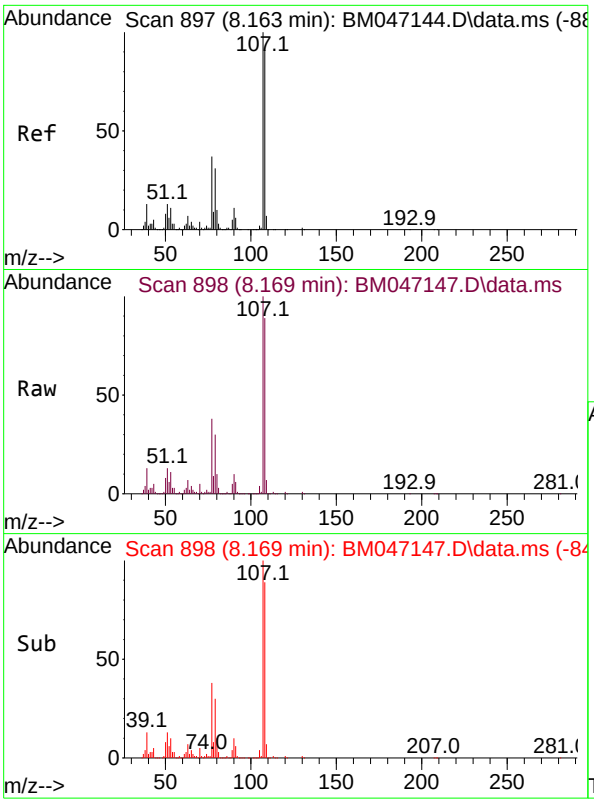


#19
n-Nitroso-di-n-propylamine
Concen: 70.505 ng
RT: 8.198 min Scan# 903
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



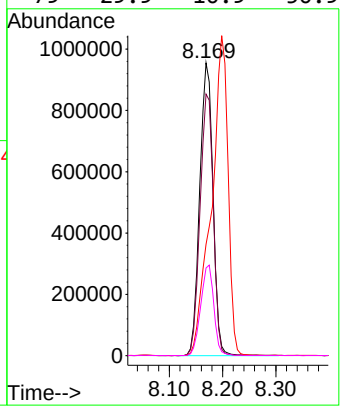


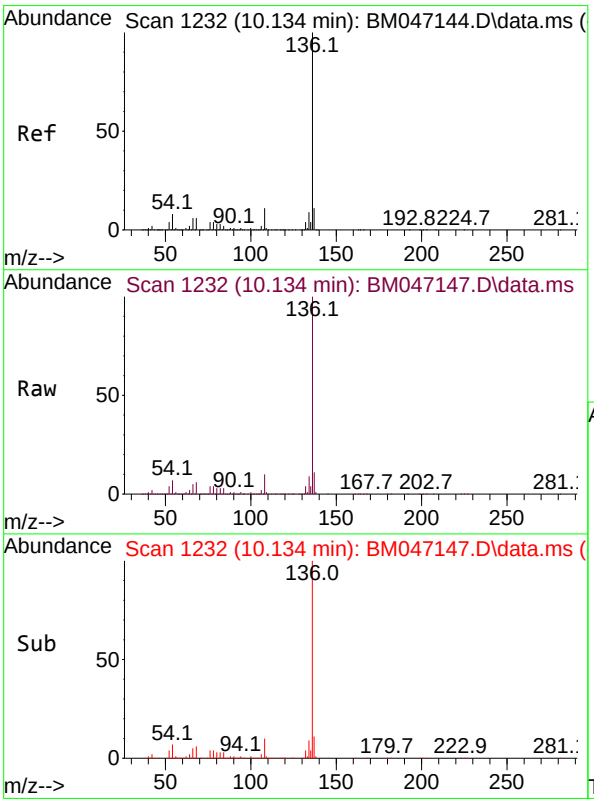
#20
3+4-Methylphenols
Concen: 75.366 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

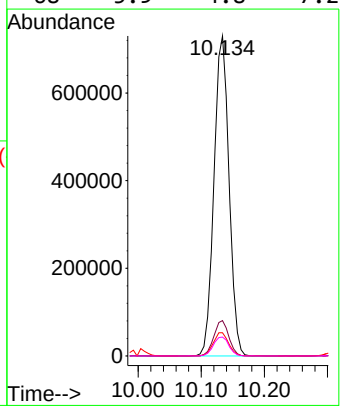


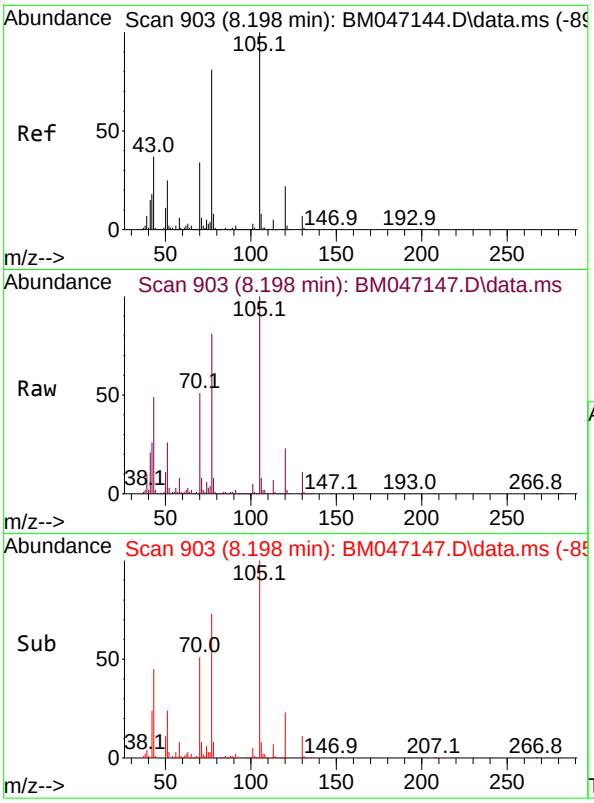


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.134 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



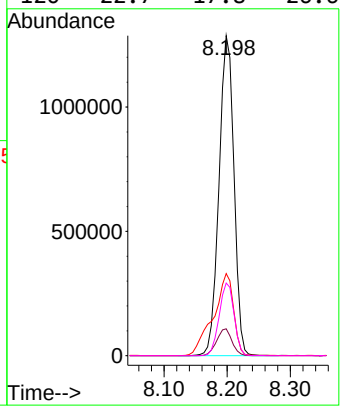


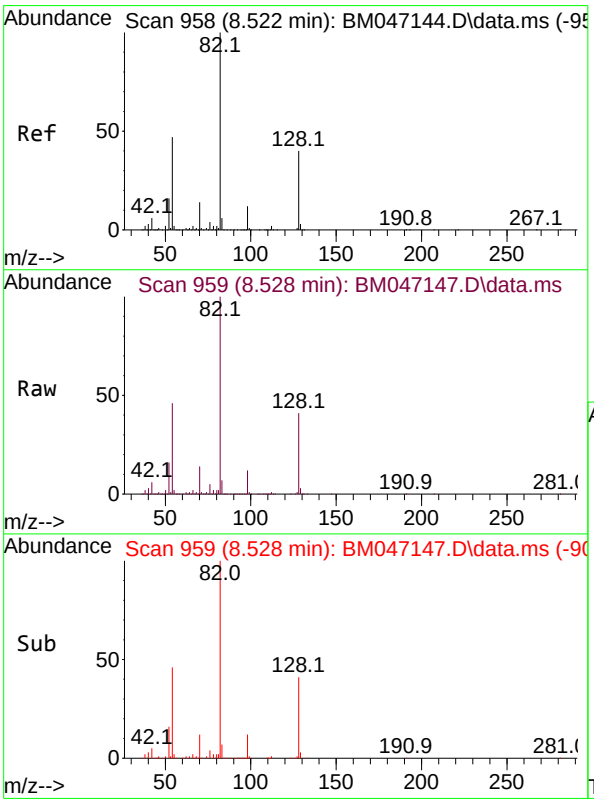
#22
Acetophenone
Concen: 73.033 ng
RT: 8.198 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

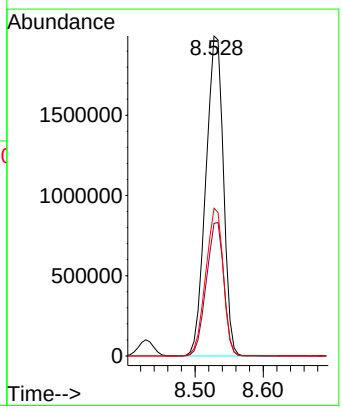


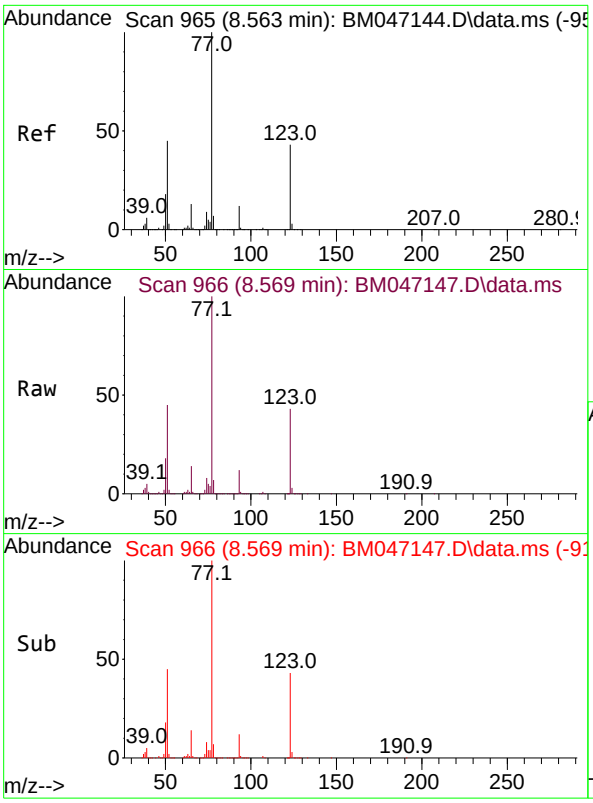


#23
Nitrobenzene-d5
Concen: 149.714 ng
RT: 8.528 min Scan# 959
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



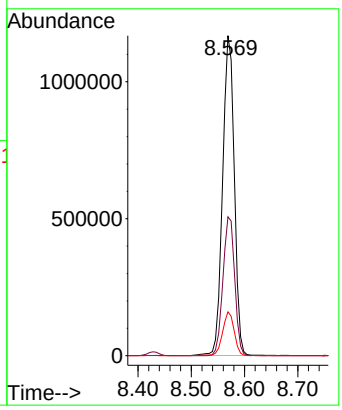


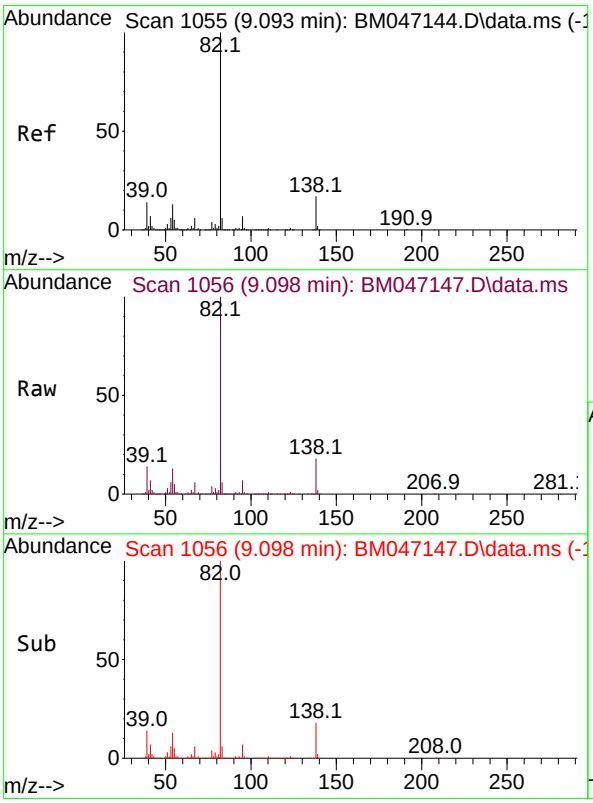
#24
Nitrobenzene
Concen: 73.781 ng
RT: 8.569 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

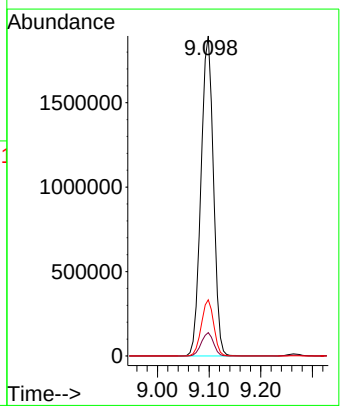


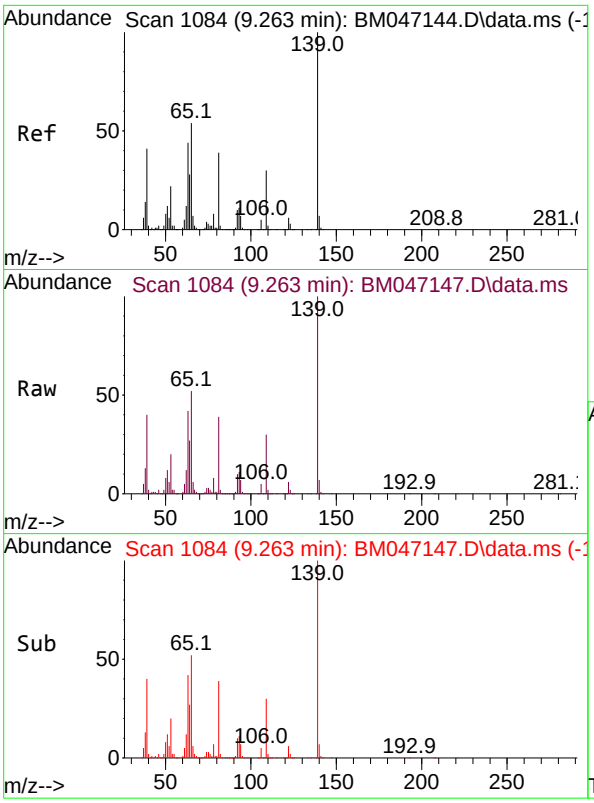


#25
Isophorone
Concen: 75.927 ng
RT: 9.098 min Scan# 1056
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



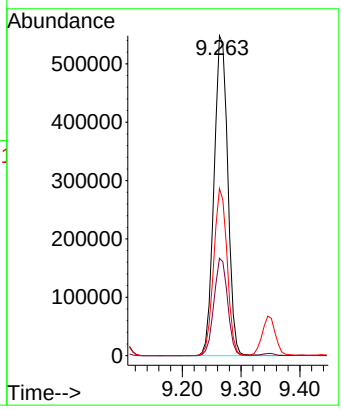


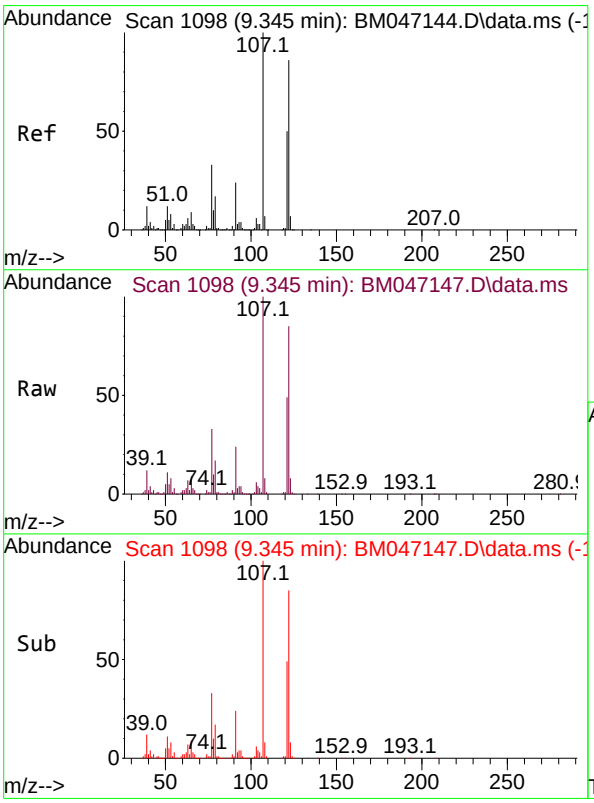
#26
2-Nitrophenol
Concen: 83.514 ng
RT: 9.263 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

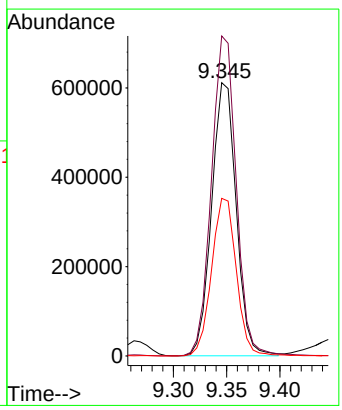


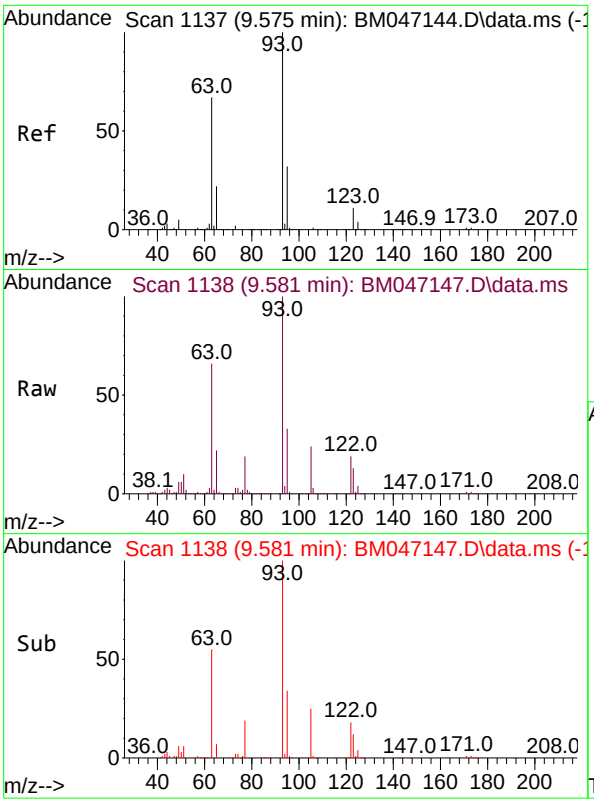


#27
2,4-Dimethylphenol
Concen: 78.514 ng
RT: 9.345 min Scan# 1098
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



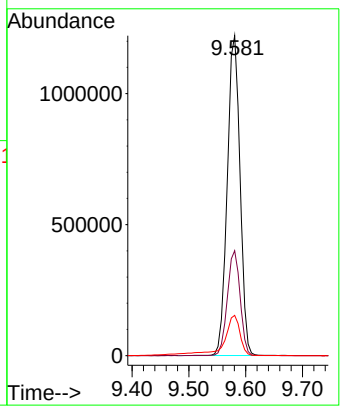


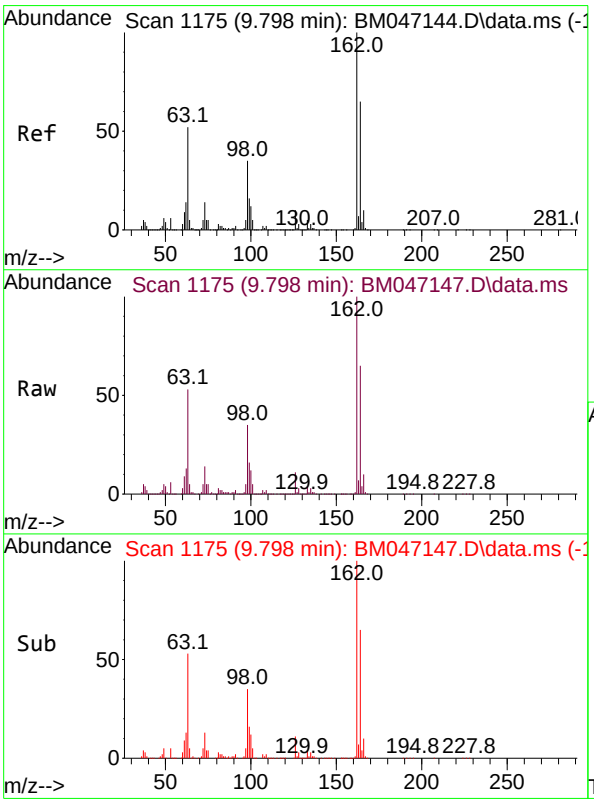
#28
bis(2-Chloroethoxy)methane
Concen: 72.808 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

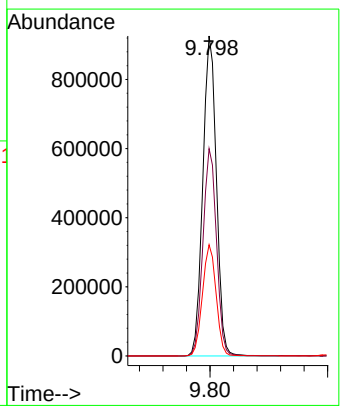


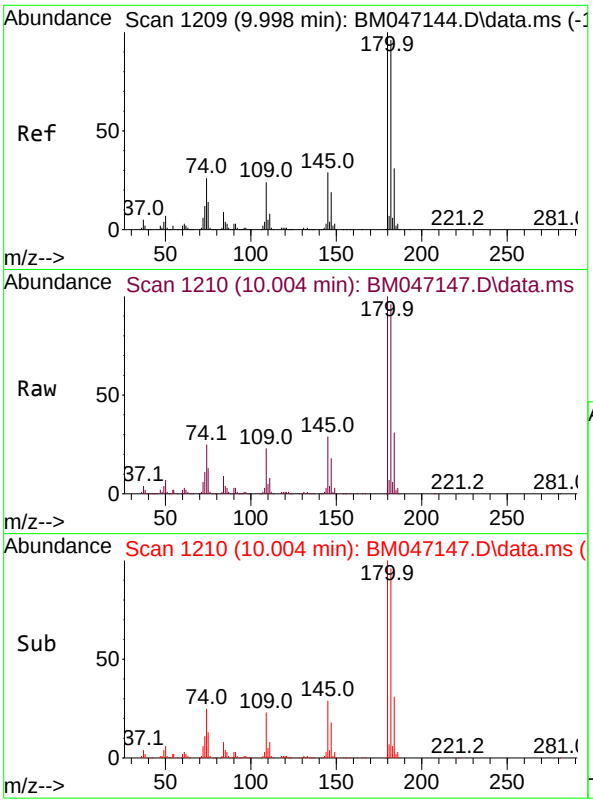


#29
2,4-Dichlorophenol
Concen: 80.115 ng
RT: 9.798 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



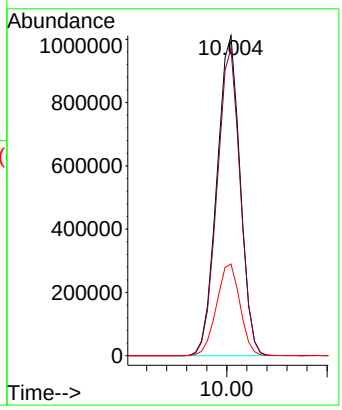


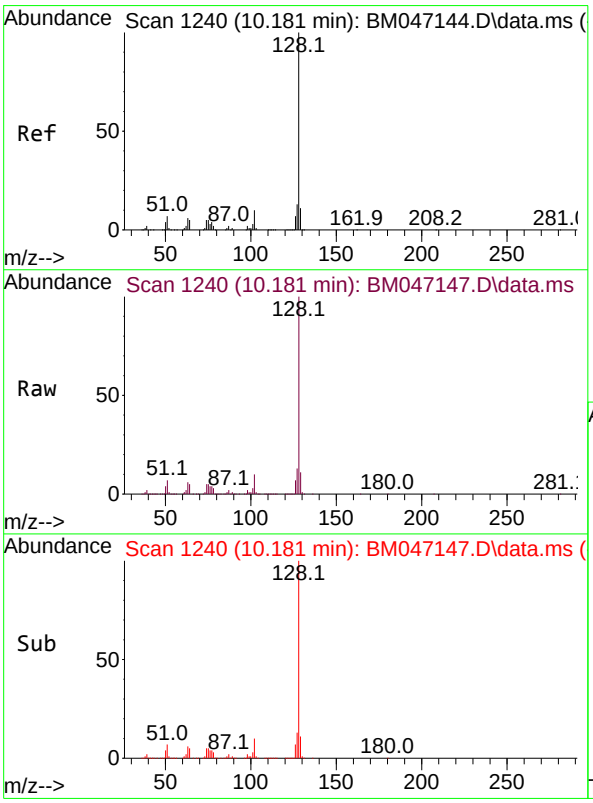
#30
1,2,4-Trichlorobenzene
Concen: 77.458 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

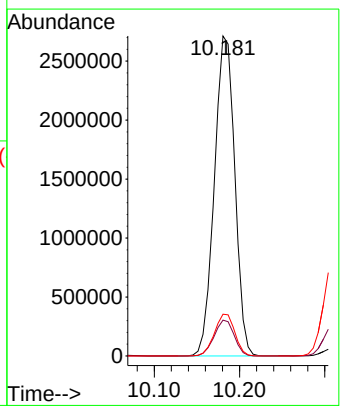


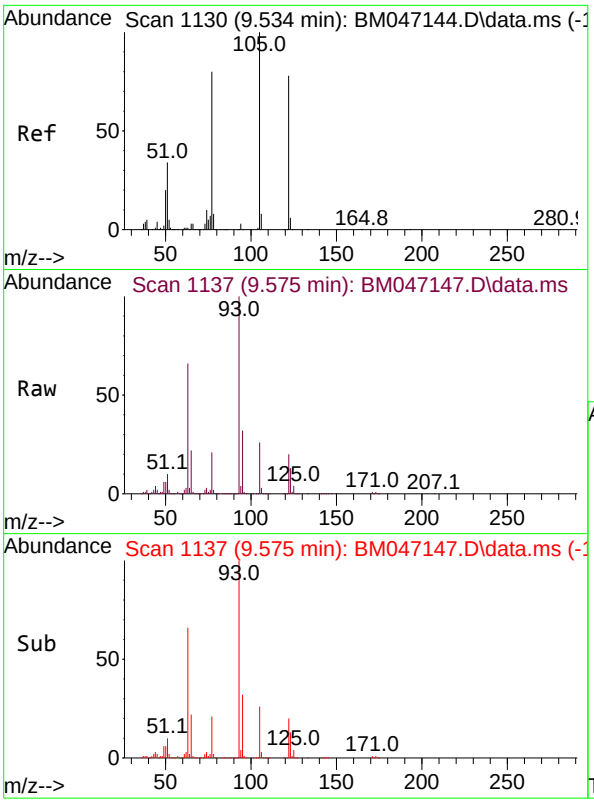


#31
Naphthalene
Concen: 75.304 ng
RT: 10.181 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



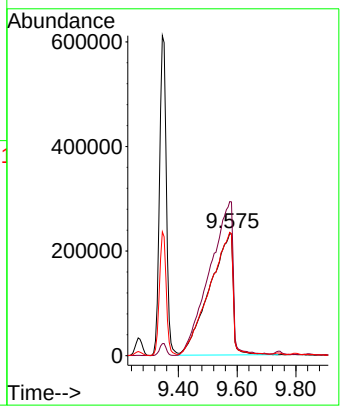


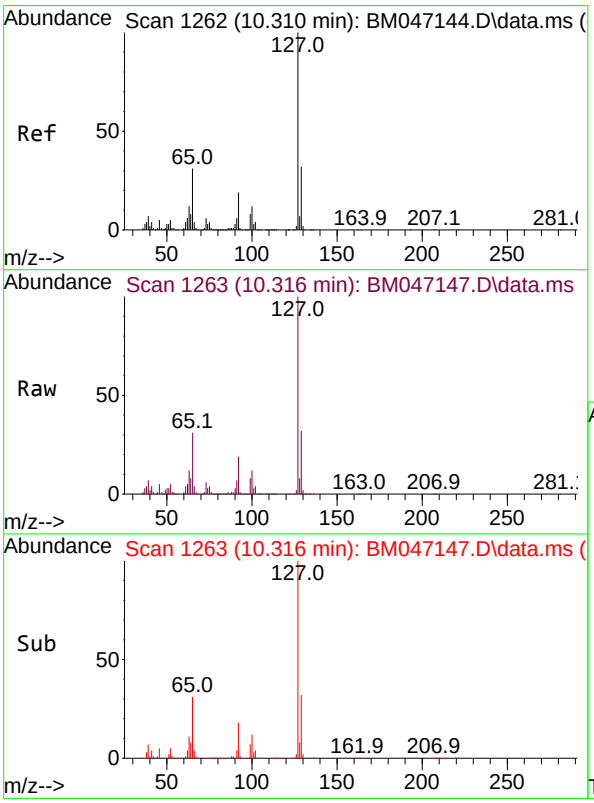
#32
Benzoic acid
Concen: 88.571 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.041 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

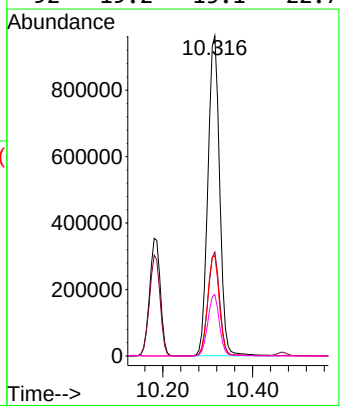


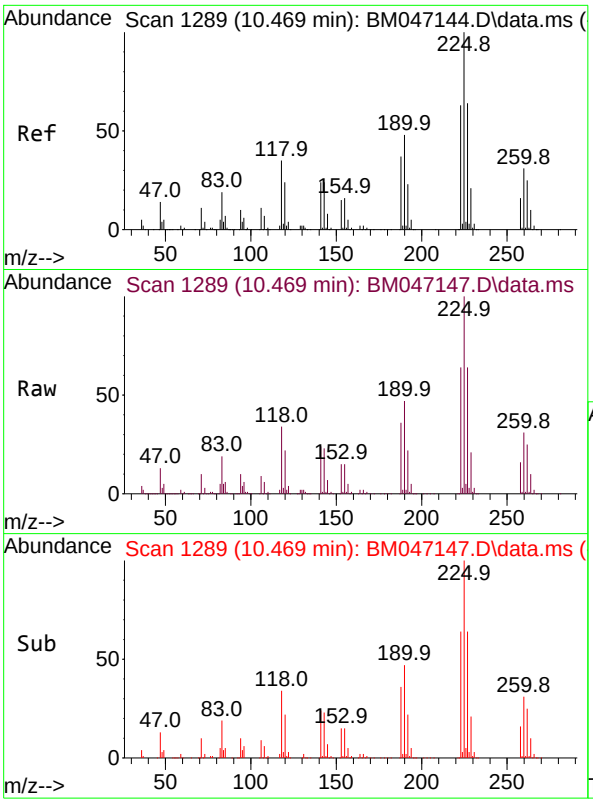


#33
4-Chloroaniline
Concen: 75.970 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



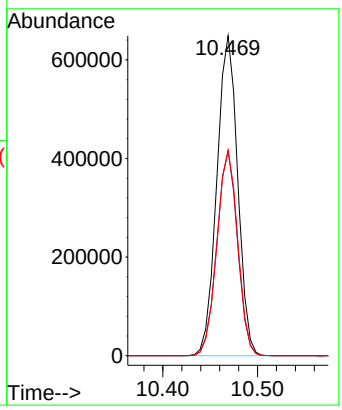


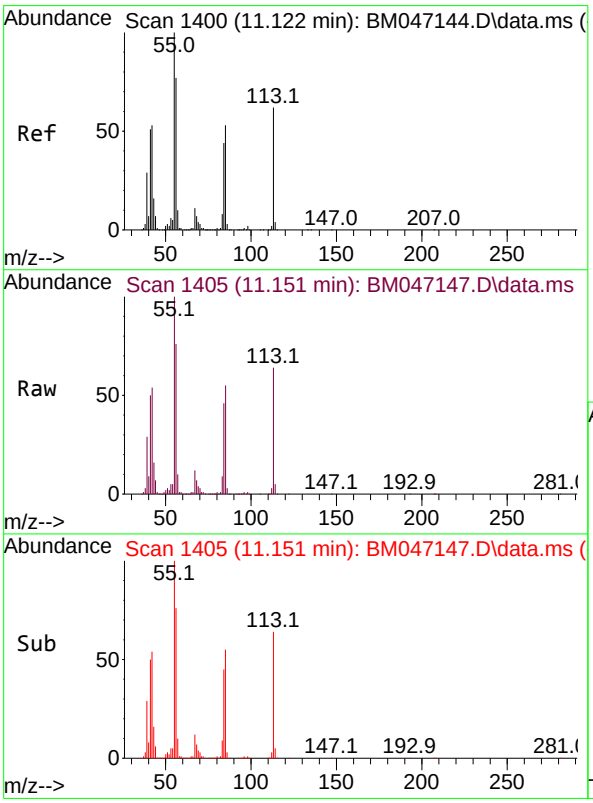
#34
Hexachlorobutadiene
Concen: 80.736 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

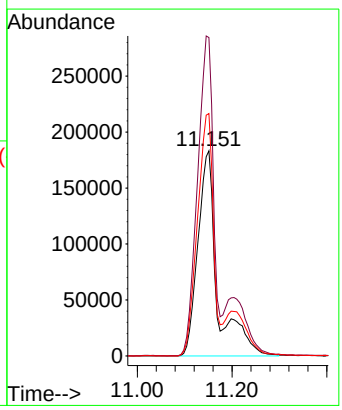


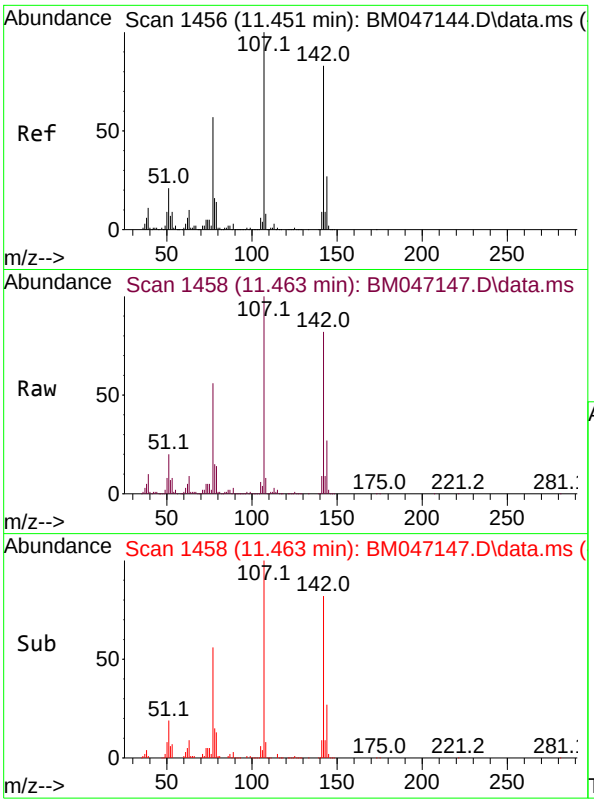


#35
Caprolactam
Concen: 81.288 ng m
RT: 11.151 min Scan# 1405
Delta R.T. 0.029 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



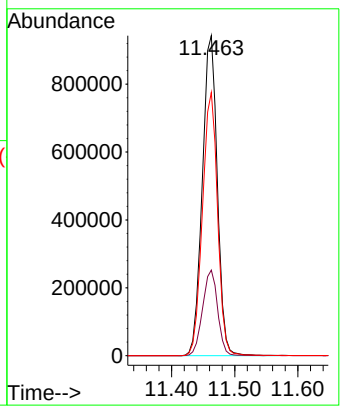


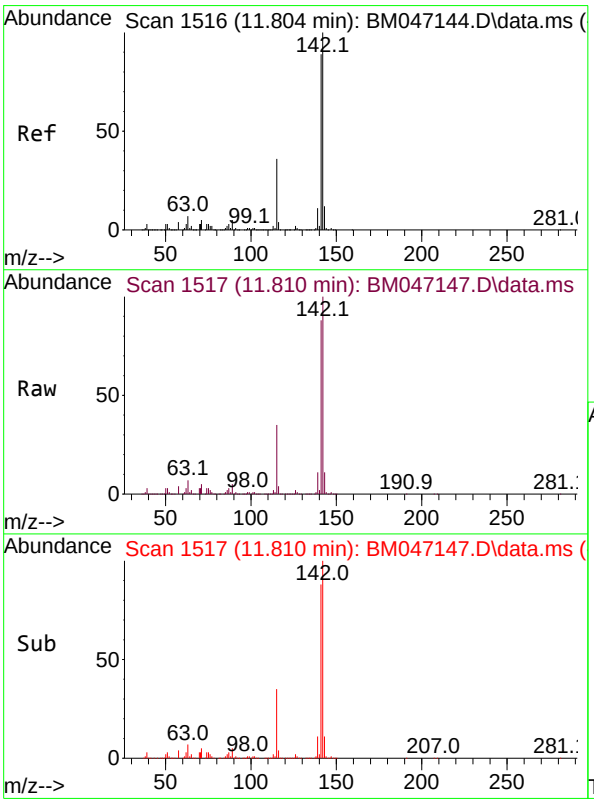
#36
4-Chloro-3-methylphenol
Concen: 78.951 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

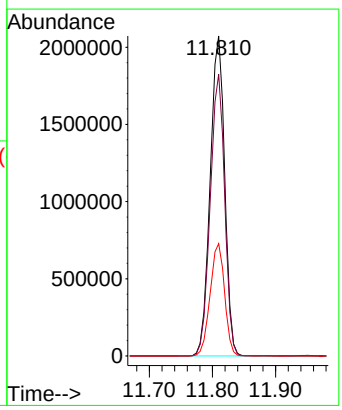


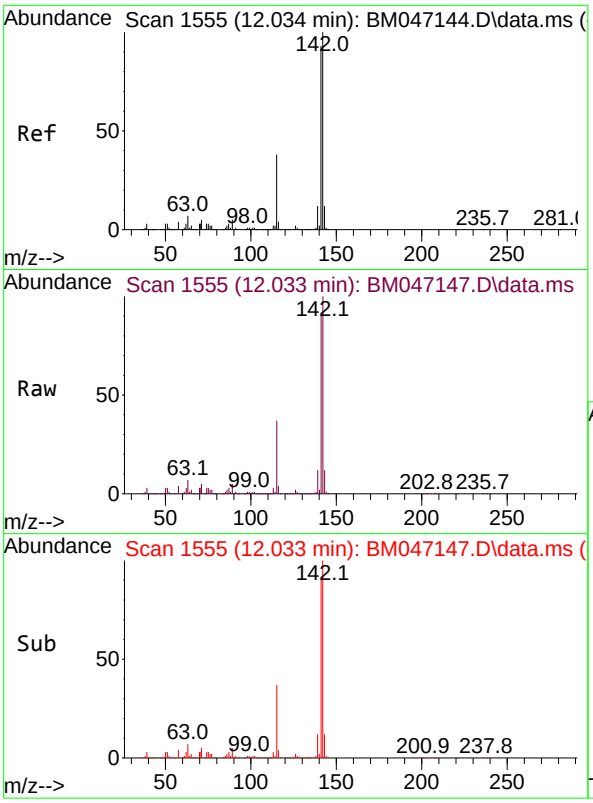


#37
2-Methylnaphthalene
Concen: 77.236 ng
RT: 11.810 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



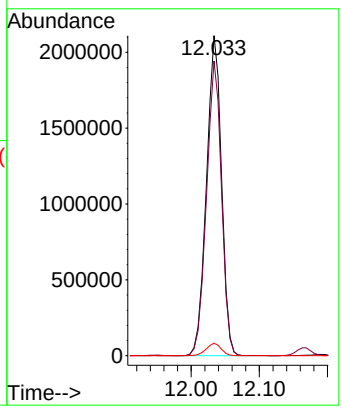


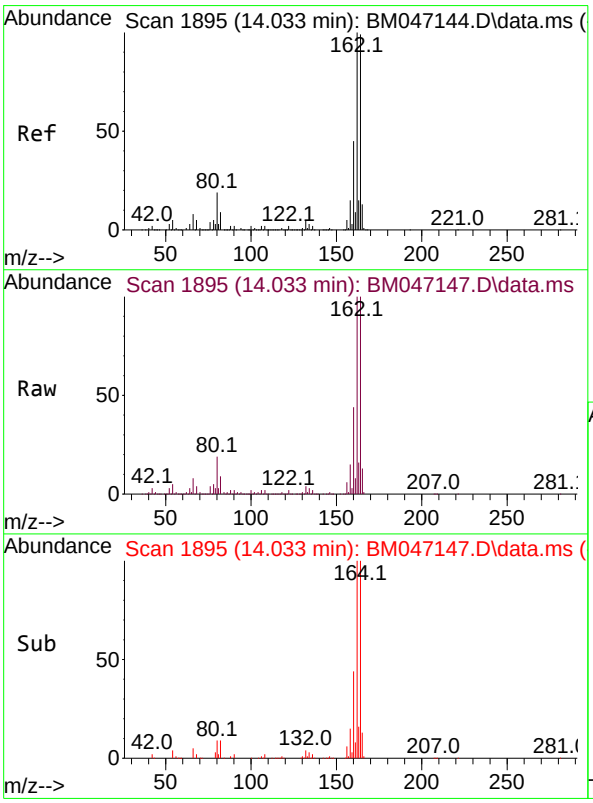
#38
1-Methylnaphthalene
Concen: 76.532 ng
RT: 12.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

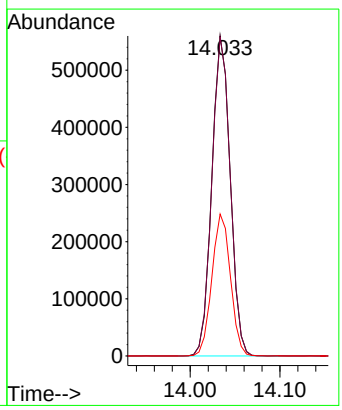


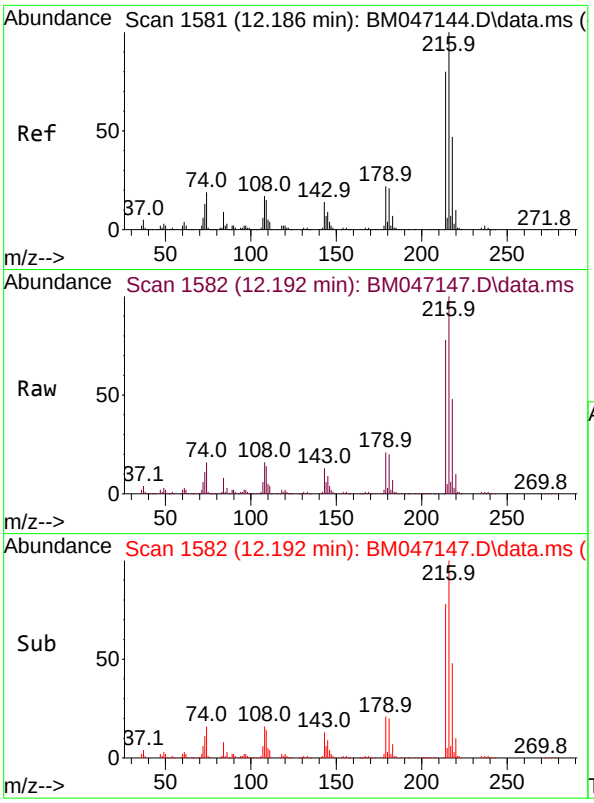


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



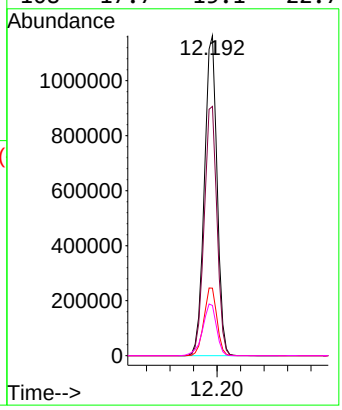


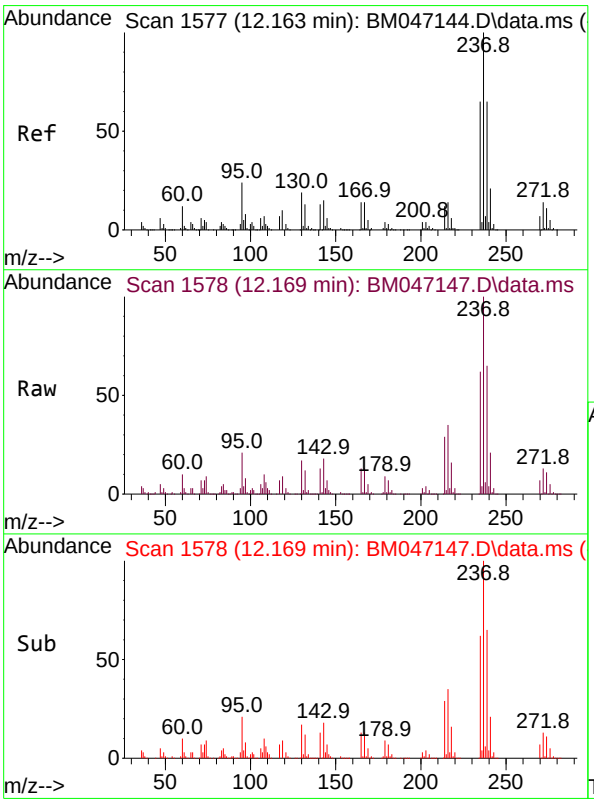
#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.017 ng
RT: 12.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

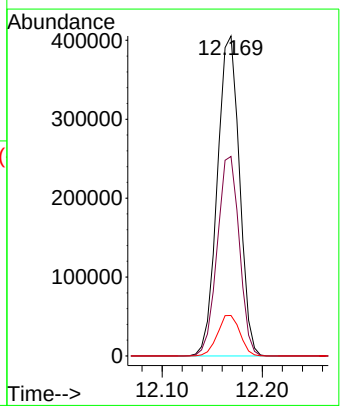


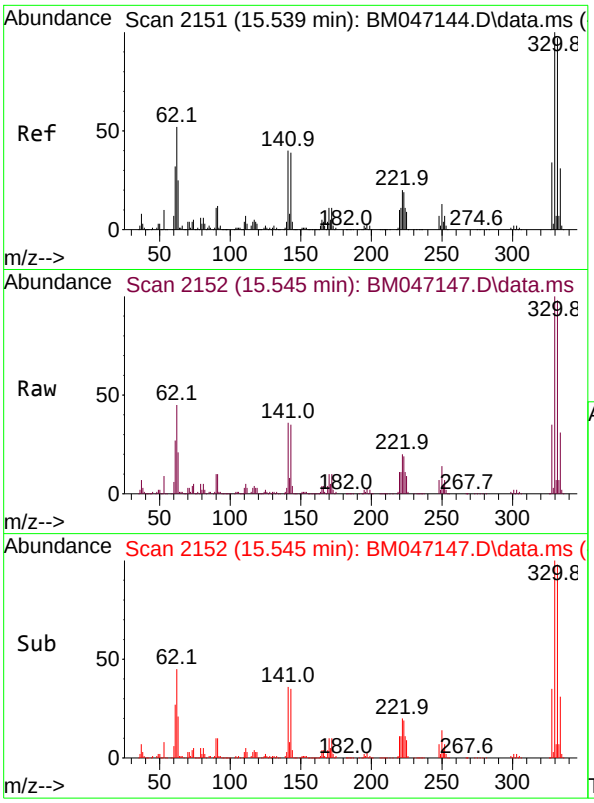


#41
Hexachlorocyclopentadiene
Concen: 81.830 ng
RT: 12.169 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



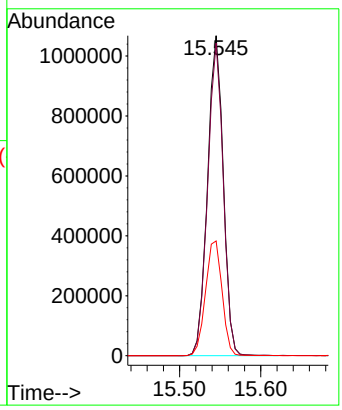


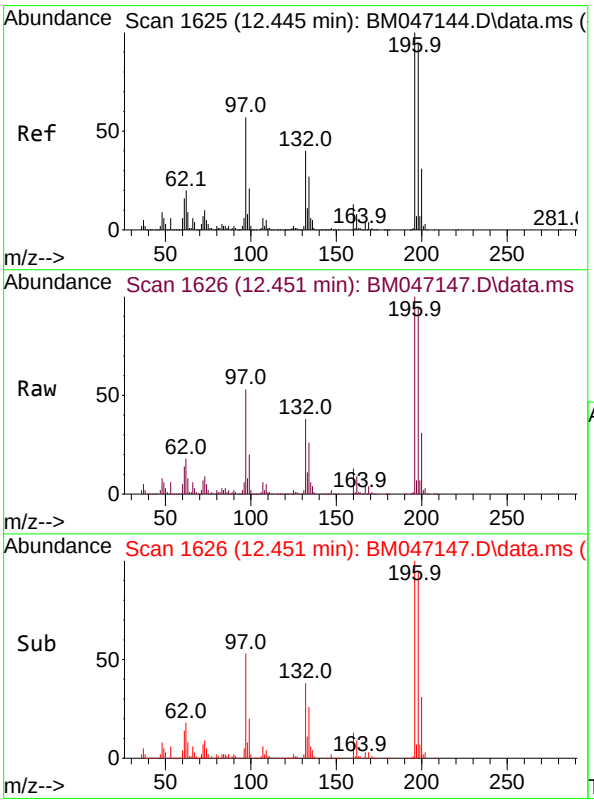
#42
2,4,6-Tribromophenol
Concen: 155.767 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

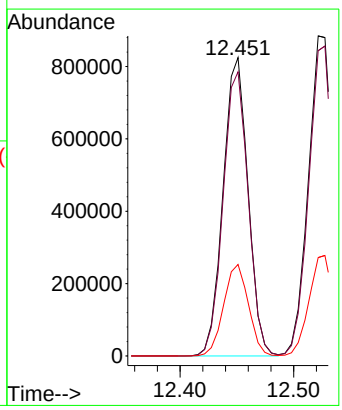


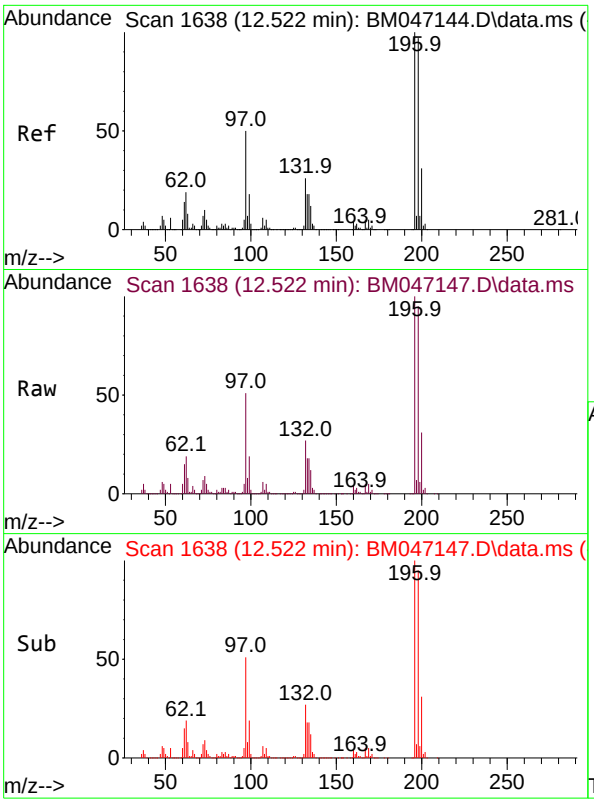


#43
2,4,6-Trichlorophenol
Concen: 81.622 ng
RT: 12.451 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



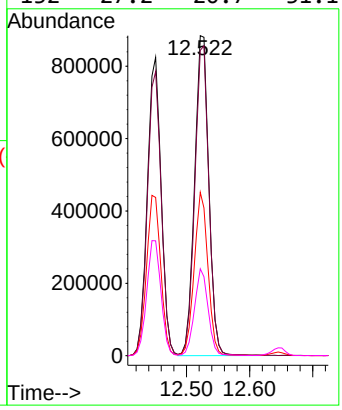


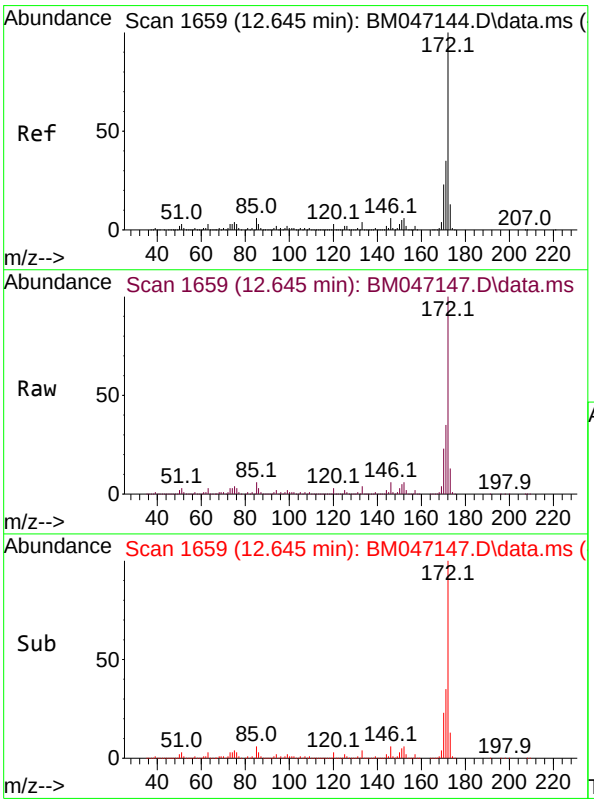
#44
2,4,5-Trichlorophenol
Concen: 80.776 ng
RT: 12.522 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

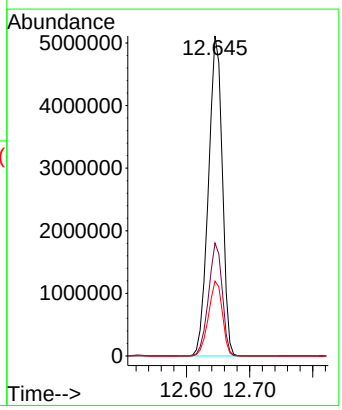


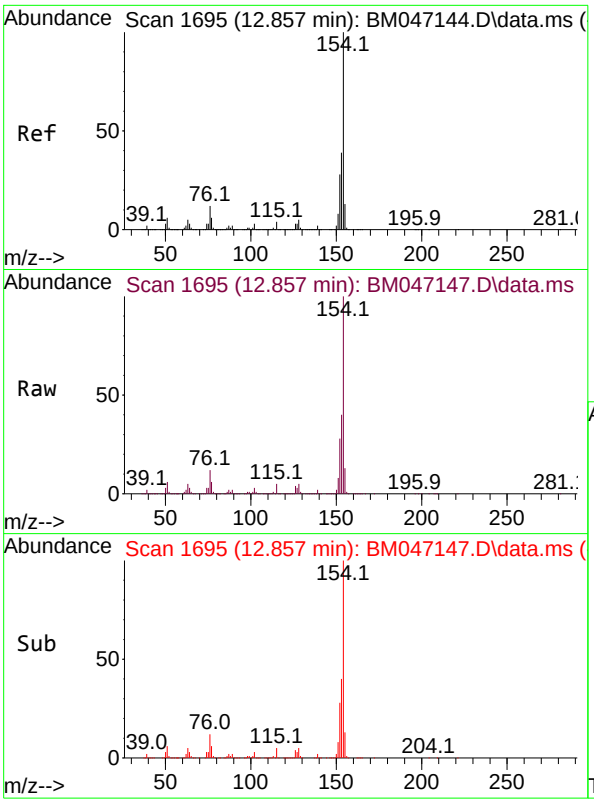


#45
2-Fluorobiphenyl
Concen: 150.612 ng
RT: 12.645 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



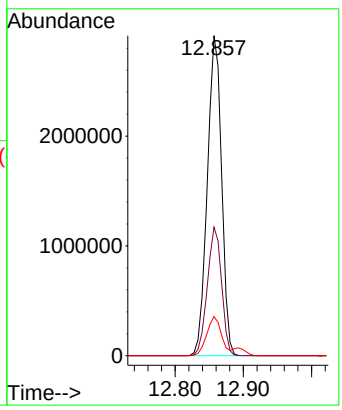


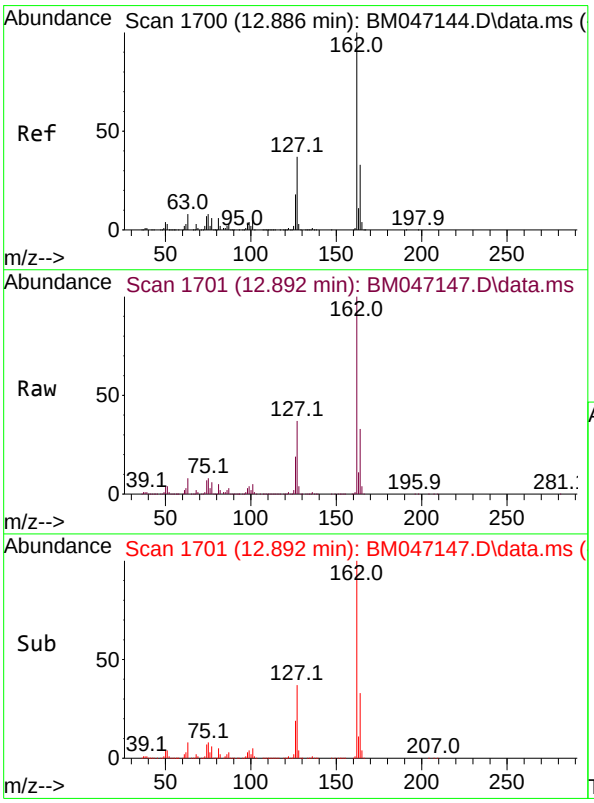
#46
1,1'-Biphenyl
Concen: 74.866 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

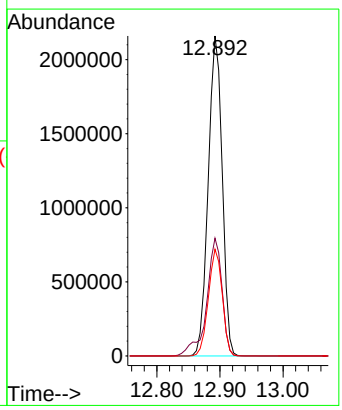


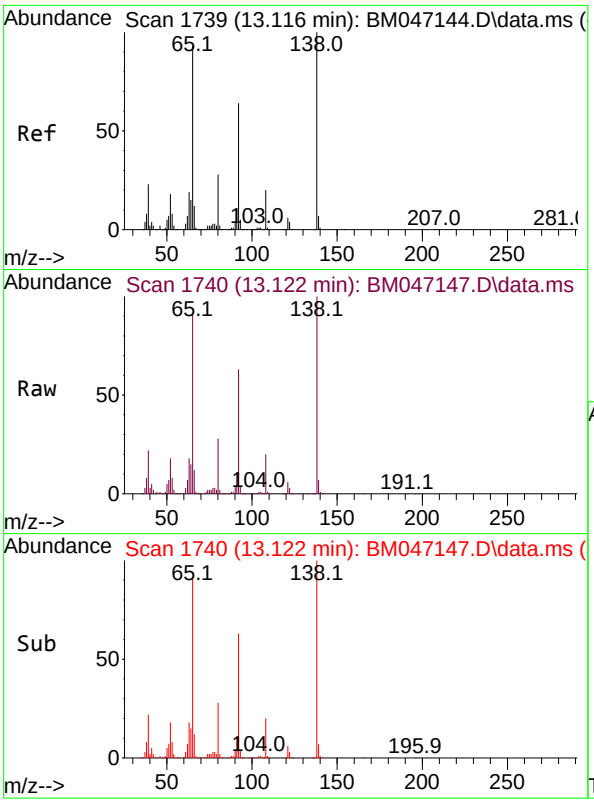


#47
2-Chloronaphthalene
Concen: 74.960 ng
RT: 12.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



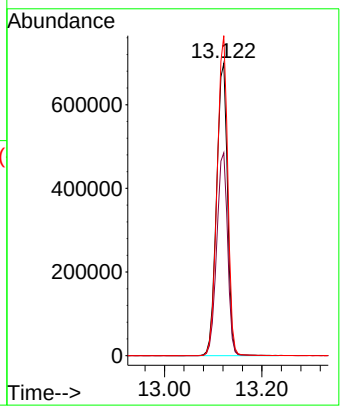


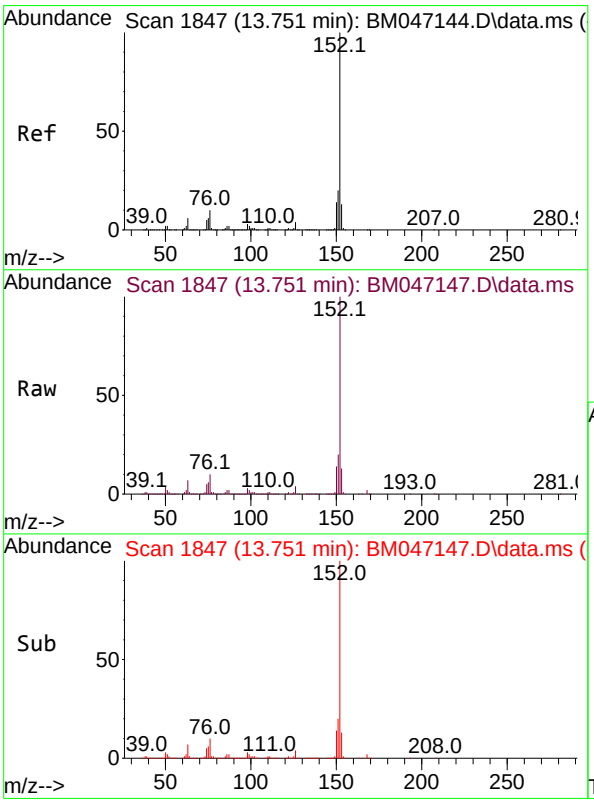
#48
2-Nitroaniline
Concen: 78.614 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

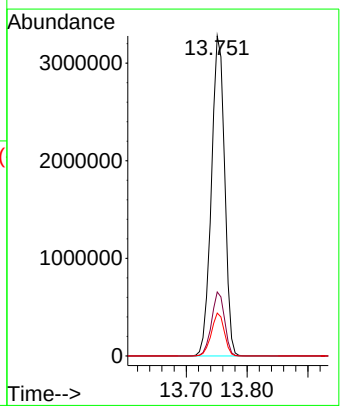


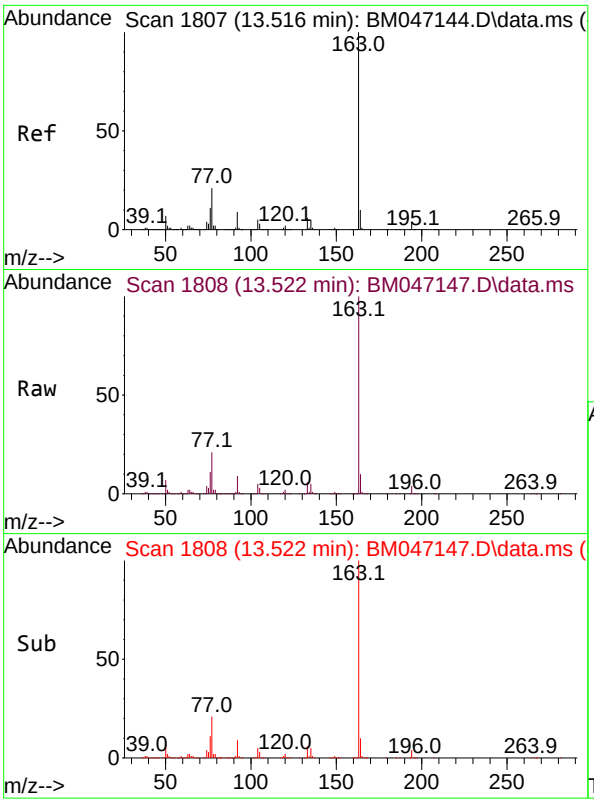


#49
Acenaphthylene
Concen: 75.775 ng
RT: 13.751 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



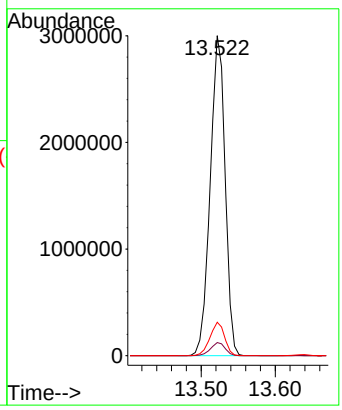


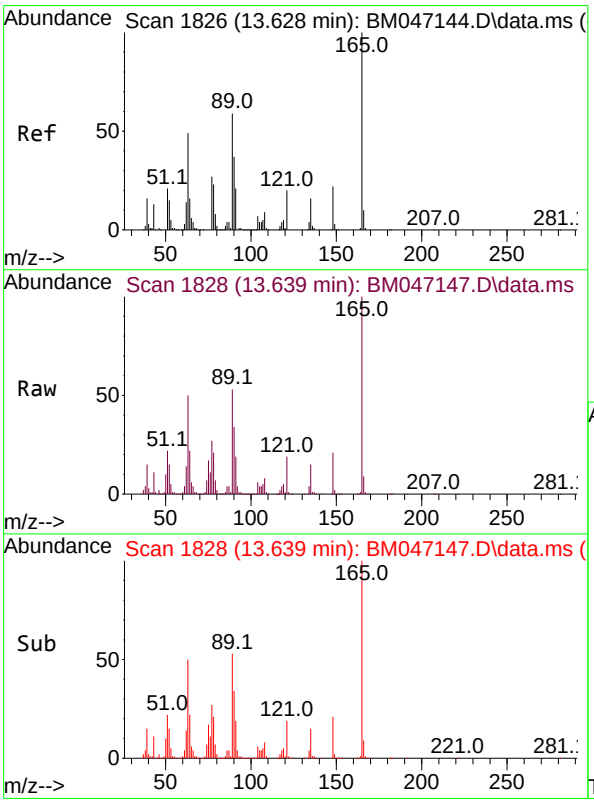
#50
Dimethylphthalate
Concen: 75.503 ng
RT: 13.522 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

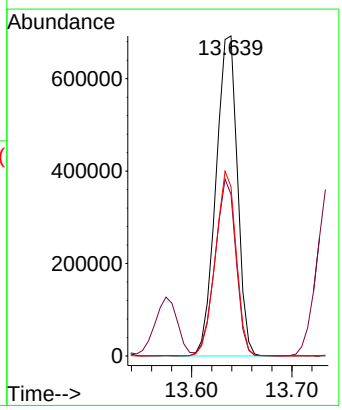


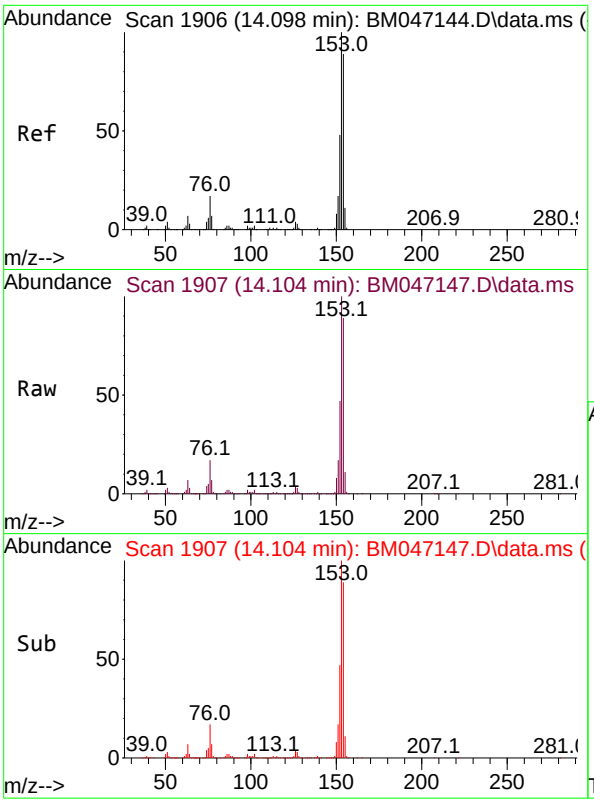


#51
2,6-Dinitrotoluene
Concen: 79.128 ng
RT: 13.639 min Scan# 1828
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



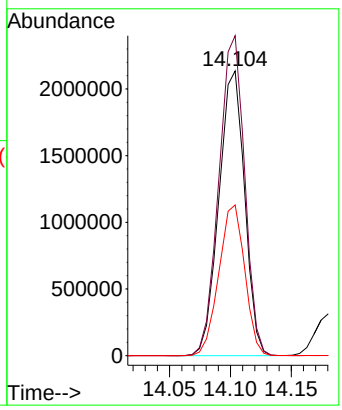


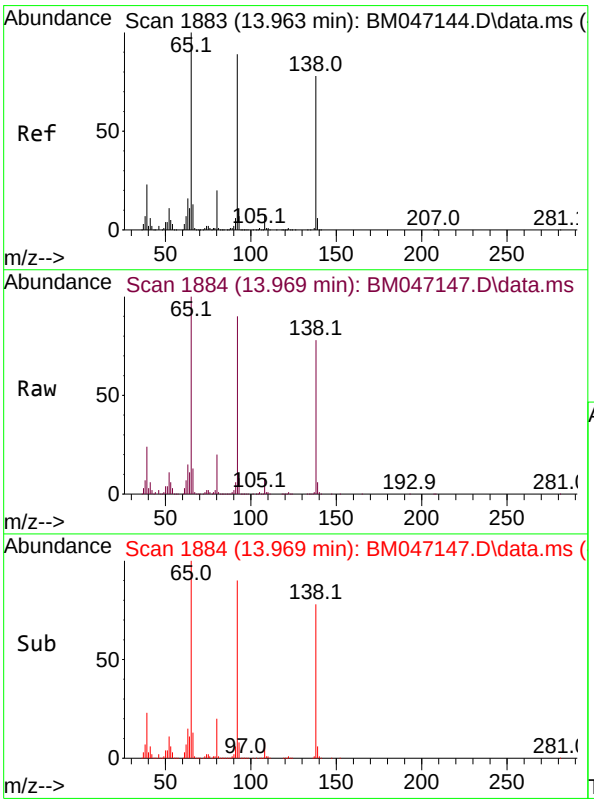
#52
Acenaphthene
Concen: 75.941 ng
RT: 14.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

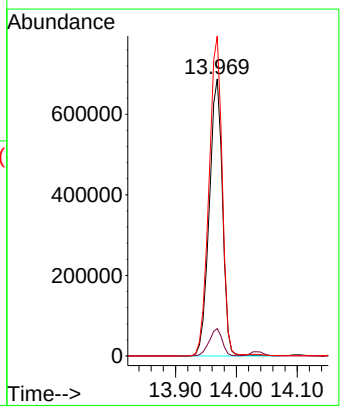


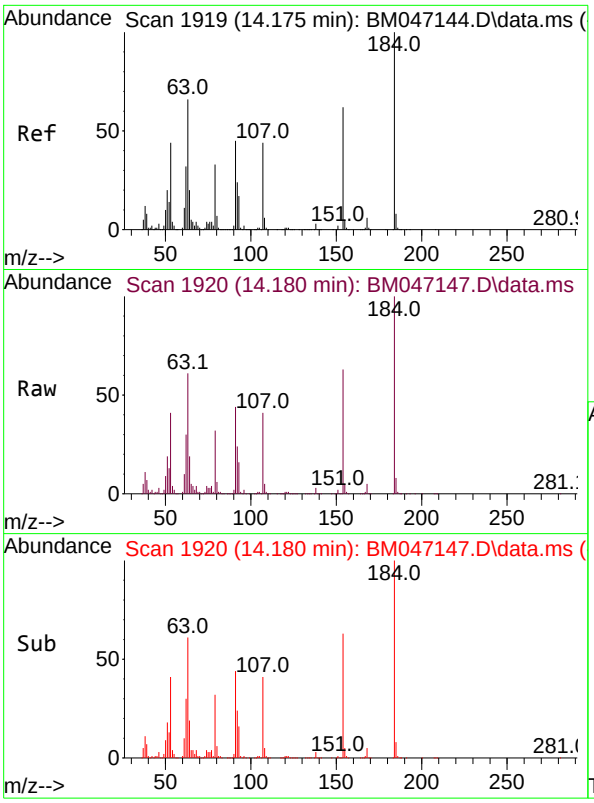


#53
3-Nitroaniline
Concen: 79.468 ng
RT: 13.969 min Scan# 1884
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



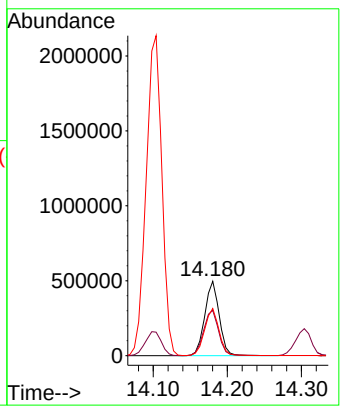


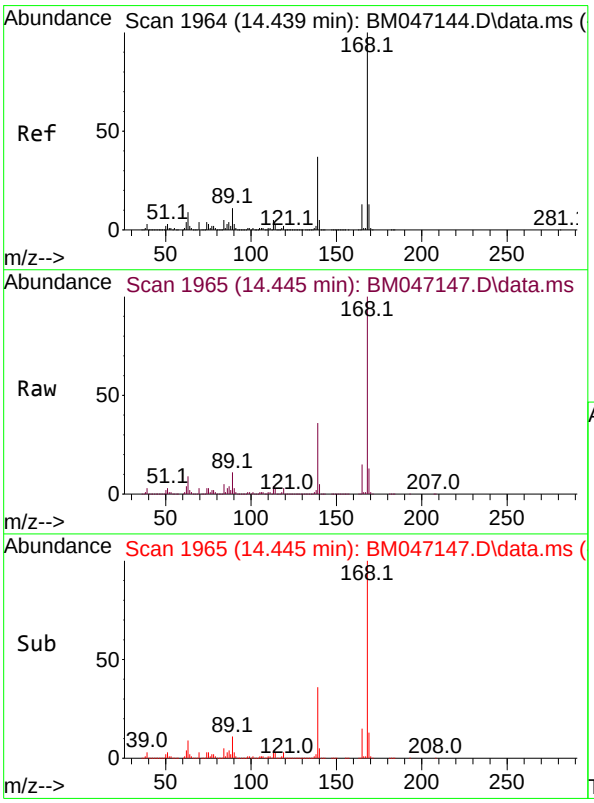
#54
2,4-Dinitrophenol
Concen: 86.639 ng
RT: 14.180 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

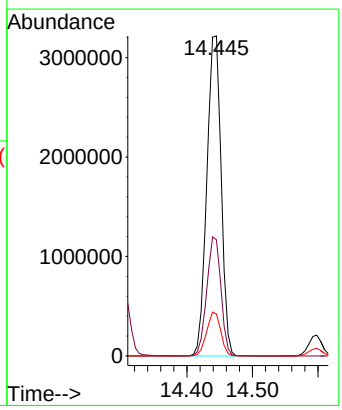


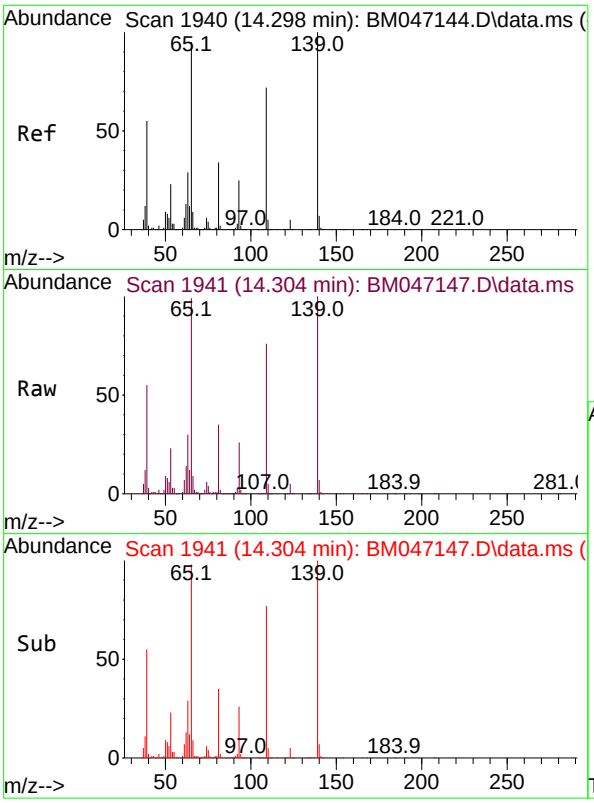


#55
Dibenzofuran
Concen: 74.735 ng
RT: 14.445 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



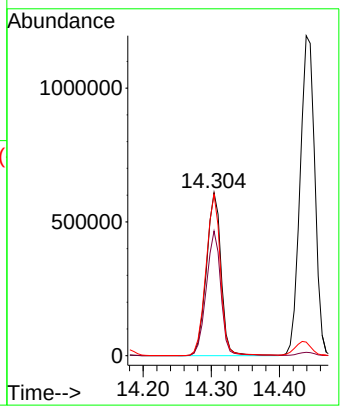


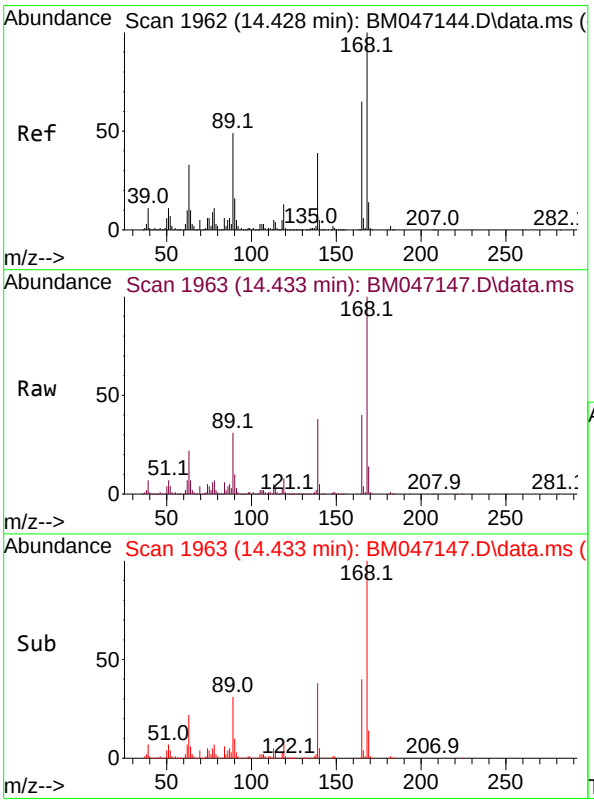
#56
4-Nitrophenol
Concen: 81.334 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

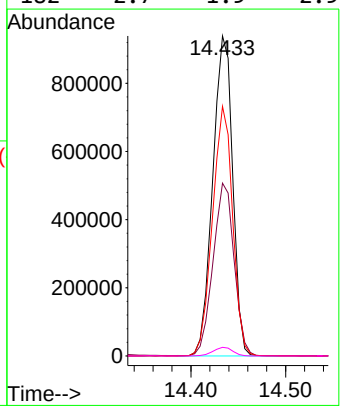


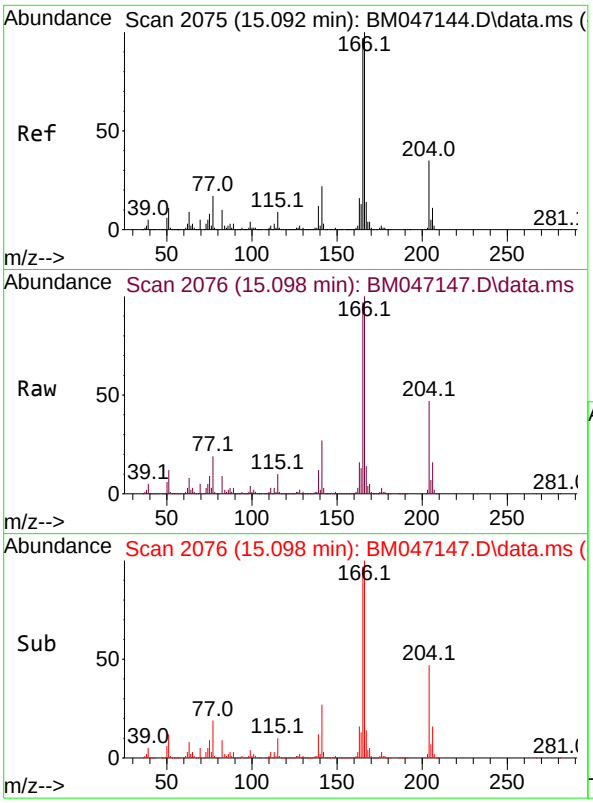


#57
2,4-Dinitrotoluene
Concen: 79.012 ng
RT: 14.433 min Scan# 1963
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



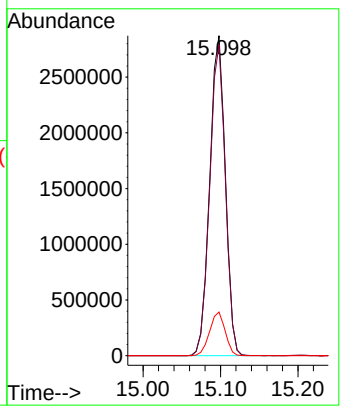


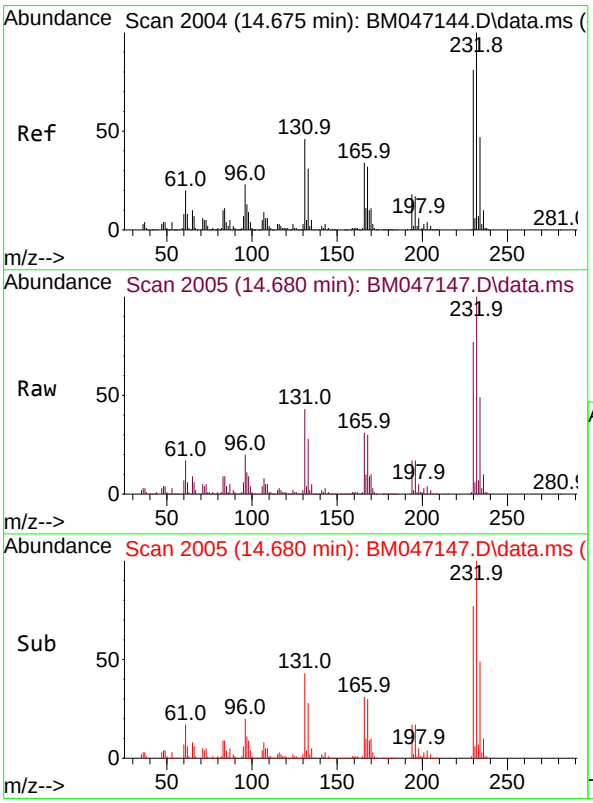
#58
Fluorene
Concen: 74.602 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

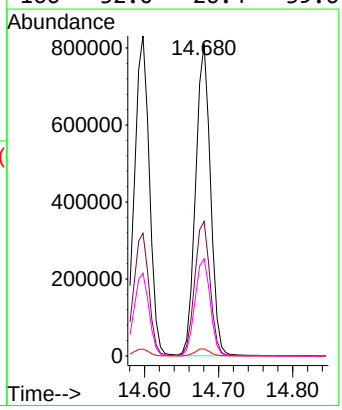


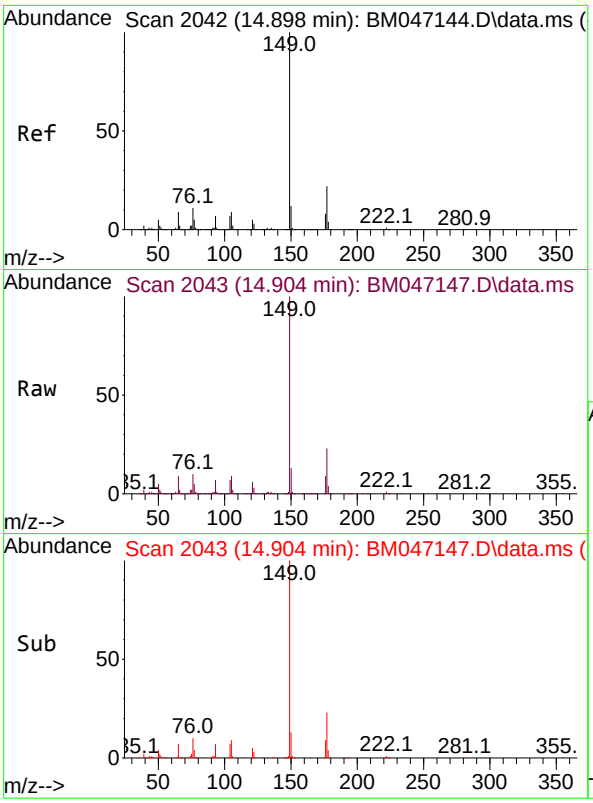


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.180 ng
RT: 14.680 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



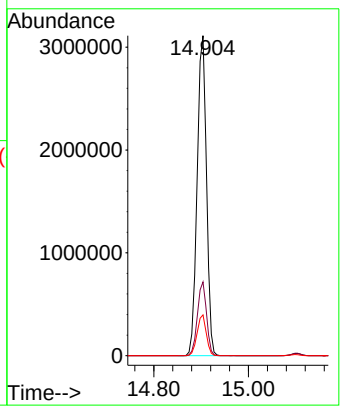


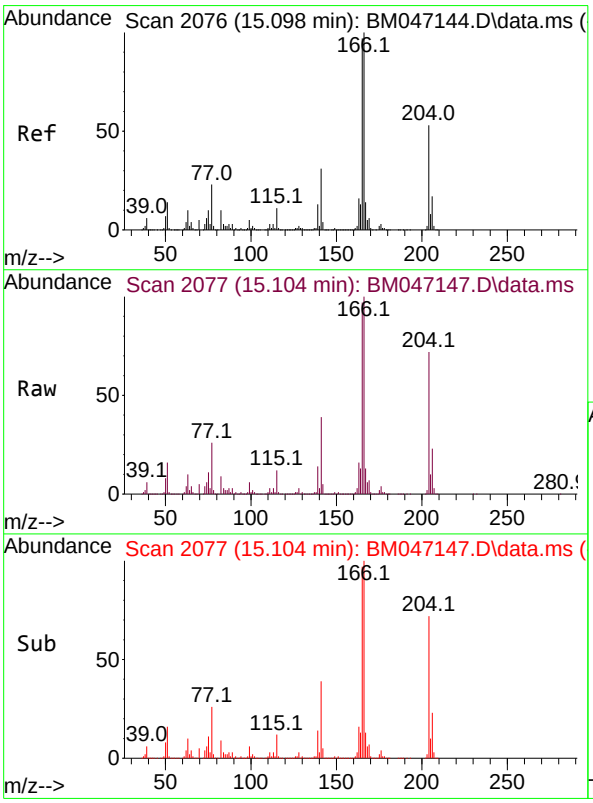
#60
Diethylphthalate
Concen: 75.010 ng
RT: 14.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

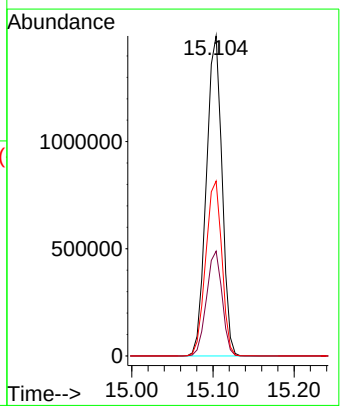


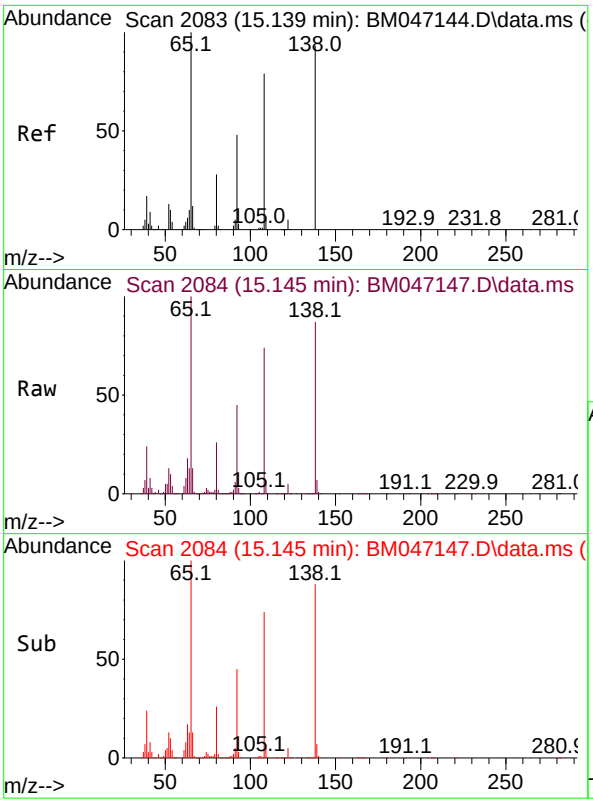


#61
4-Chlorophenyl-phenylether
Concen: 77.748 ng
RT: 15.104 min Scan# 2077
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



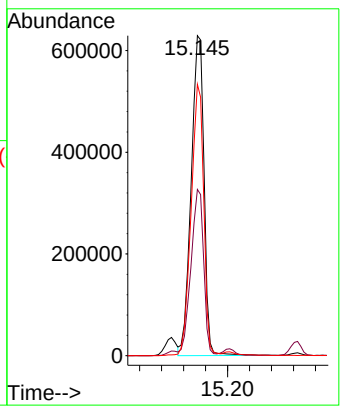


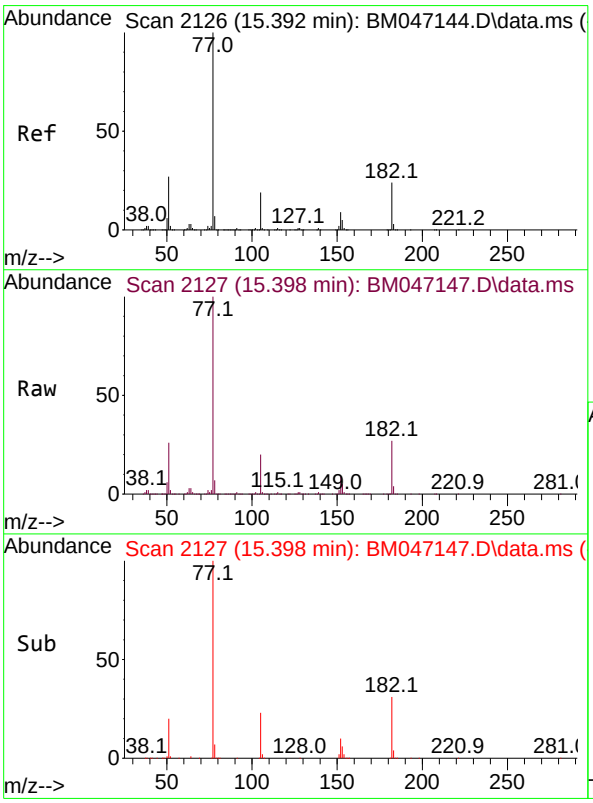
#62
4-Nitroaniline
Concen: 79.564 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

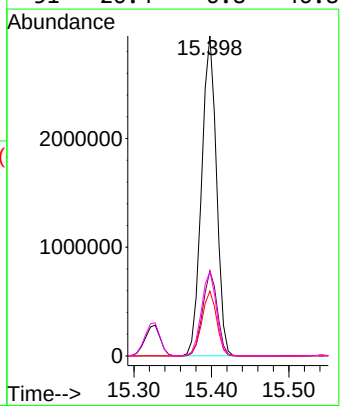


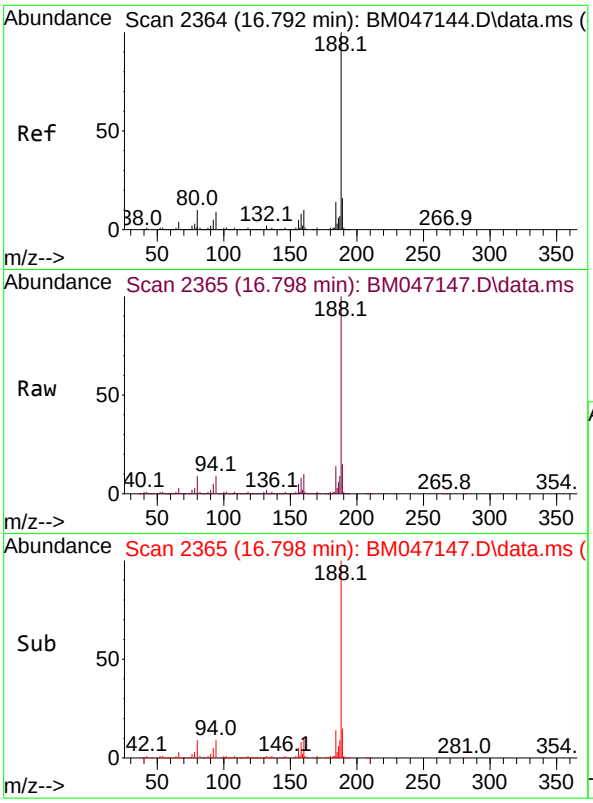


#63
Azobenzene
Concen: 72.861 ng
RT: 15.398 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



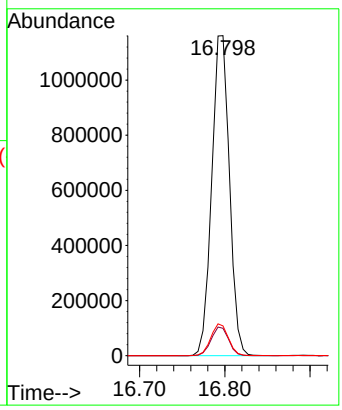


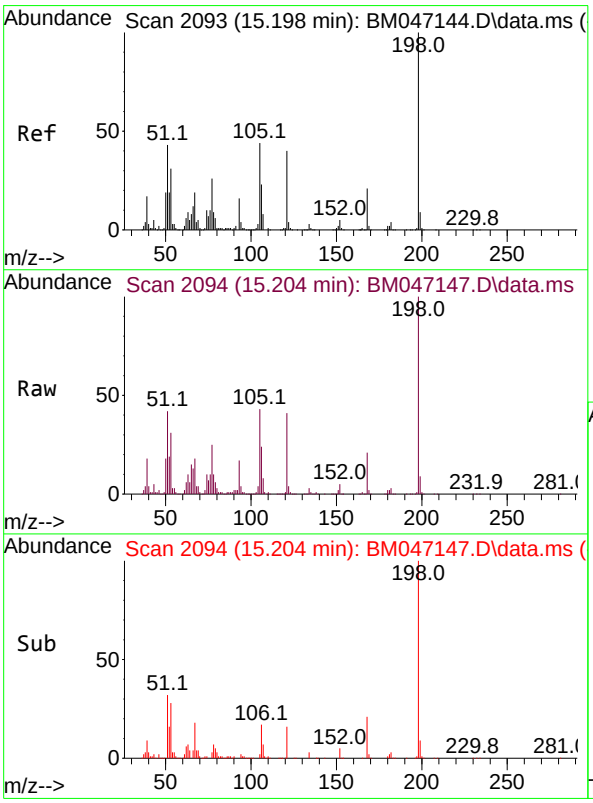
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.798 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

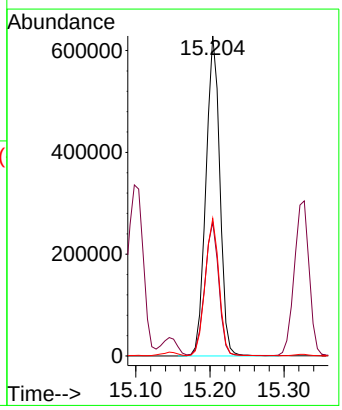


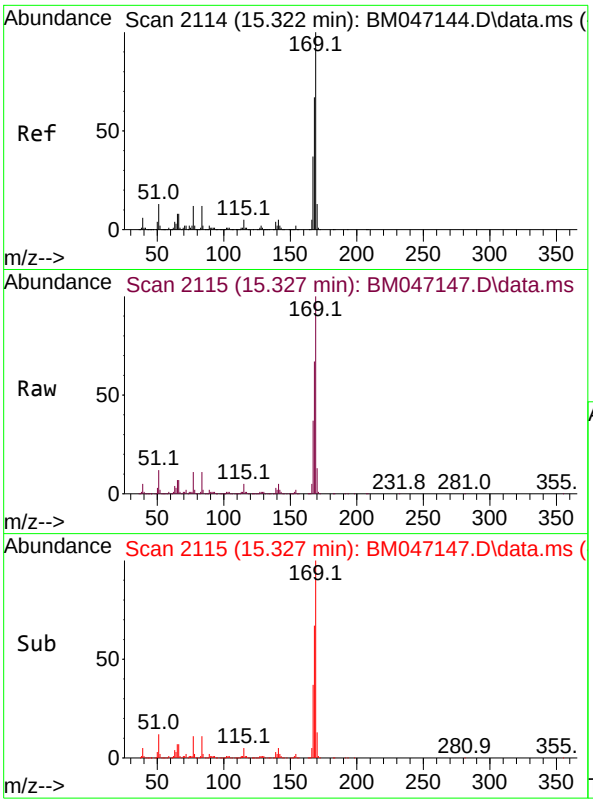


#65
4,6-Dinitro-2-methylphenol
Concen: 83.643 ng
RT: 15.204 min Scan# 2094
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



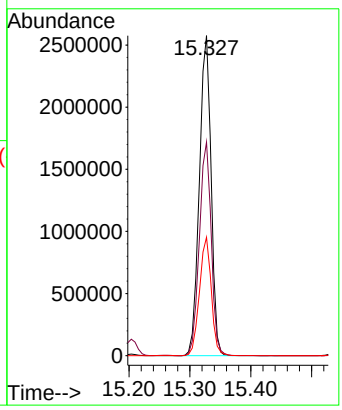


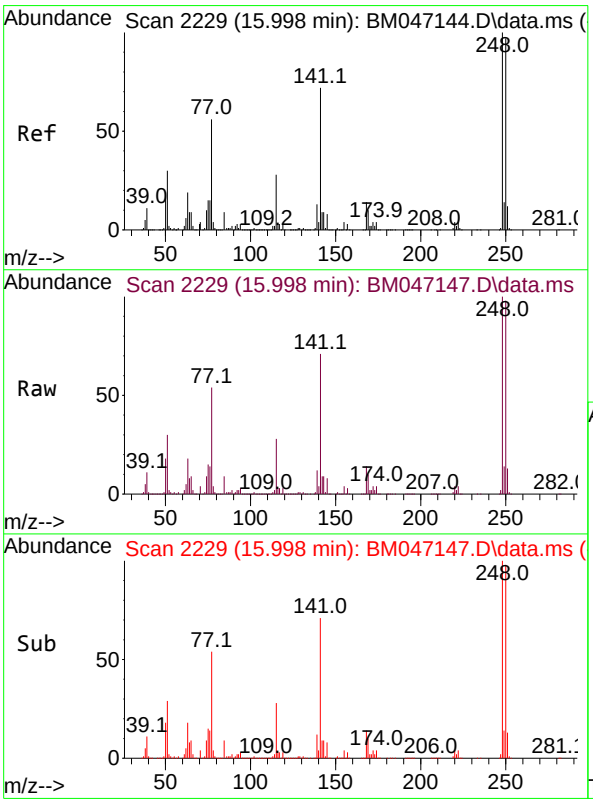
#66
n-Nitrosodiphenylamine
Concen: 75.560 ng
RT: 15.327 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

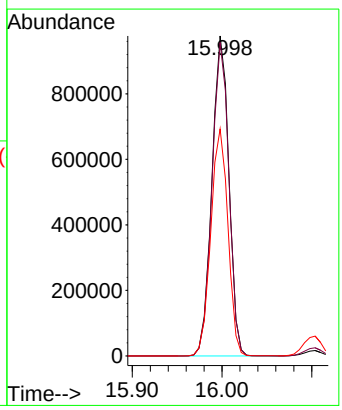


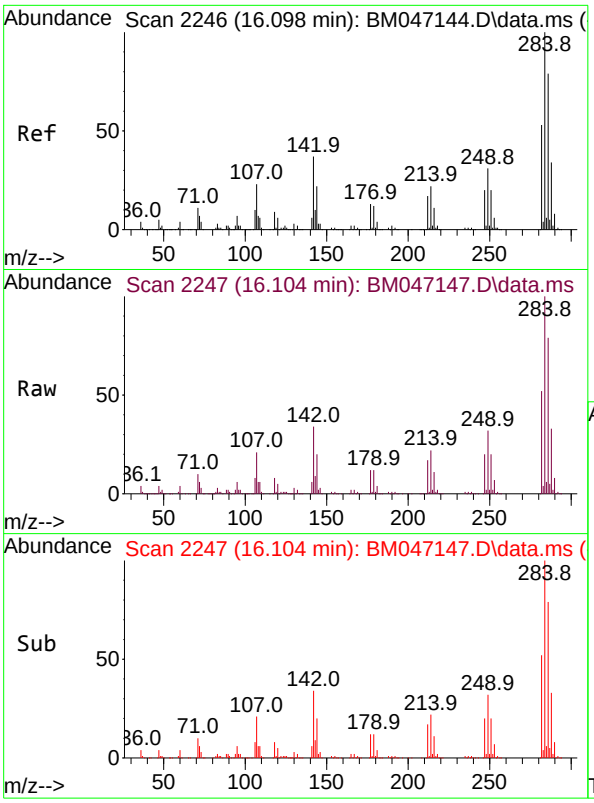


#67
4-Bromophenyl-phenylether
Concen: 79.172 ng
RT: 15.998 min Scan# 2229
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



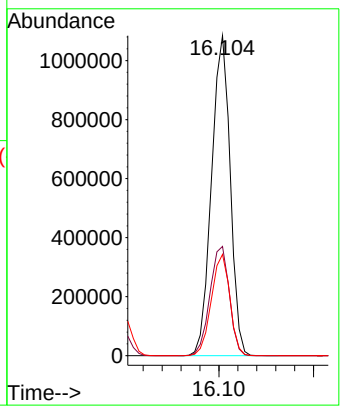


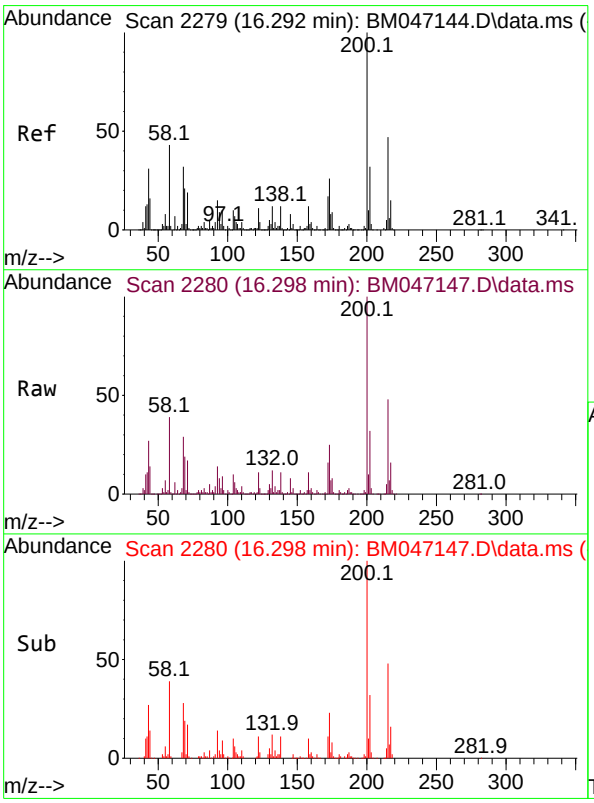
#68
Hexachlorobenzene
Concen: 76.654 ng
RT: 16.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

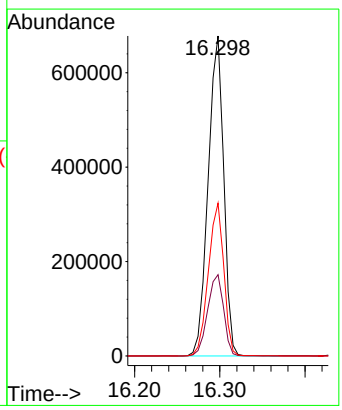


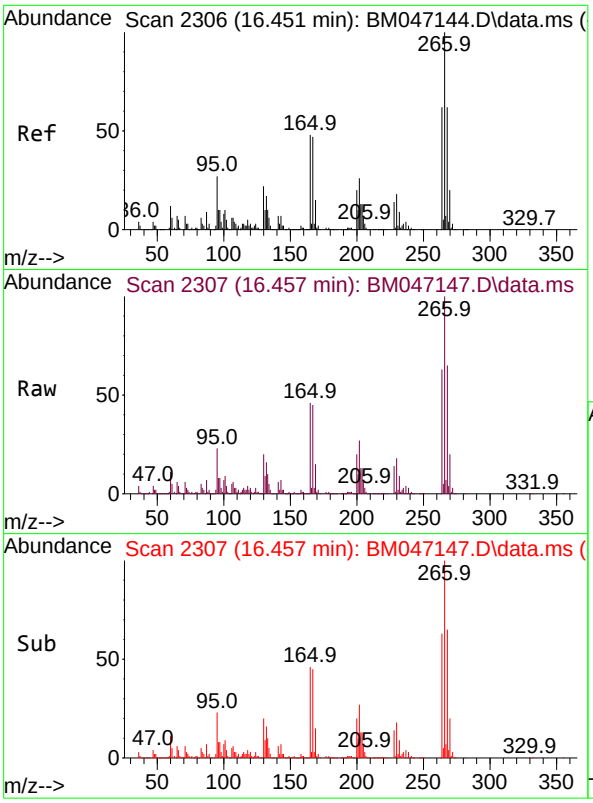


#69
Atrazine
Concen: 62.797 ng
RT: 16.298 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



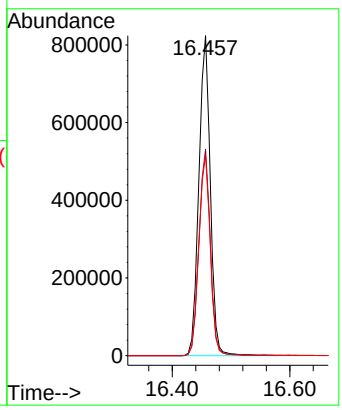


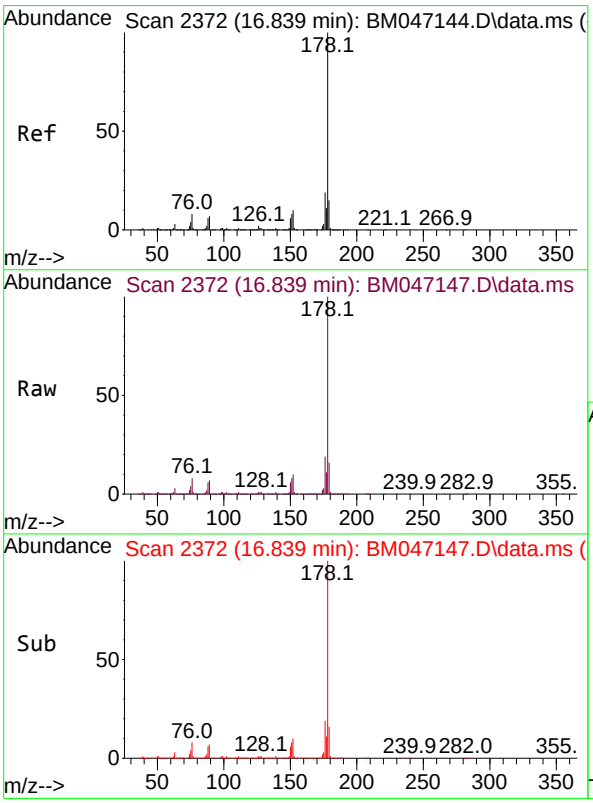
#70
Pentachlorophenol
Concen: 82.323 ng
RT: 16.457 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

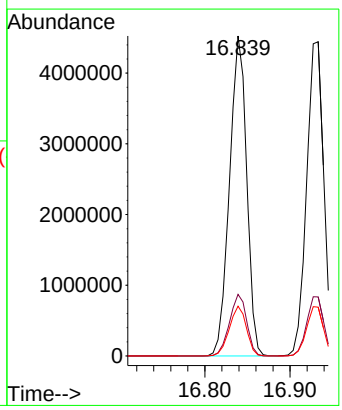


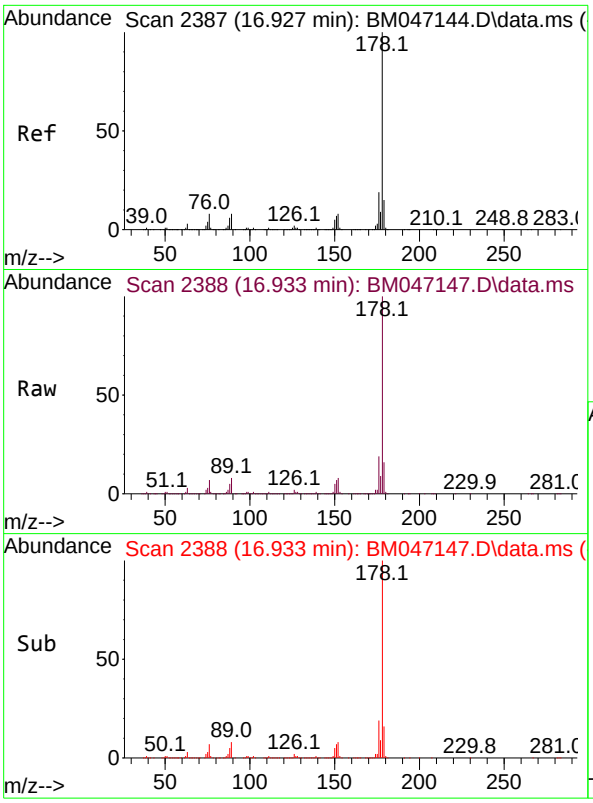


#71
Phenanthrene
Concen: 75.631 ng
RT: 16.839 min Scan# 2372
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



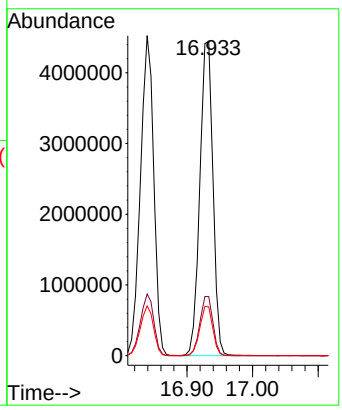


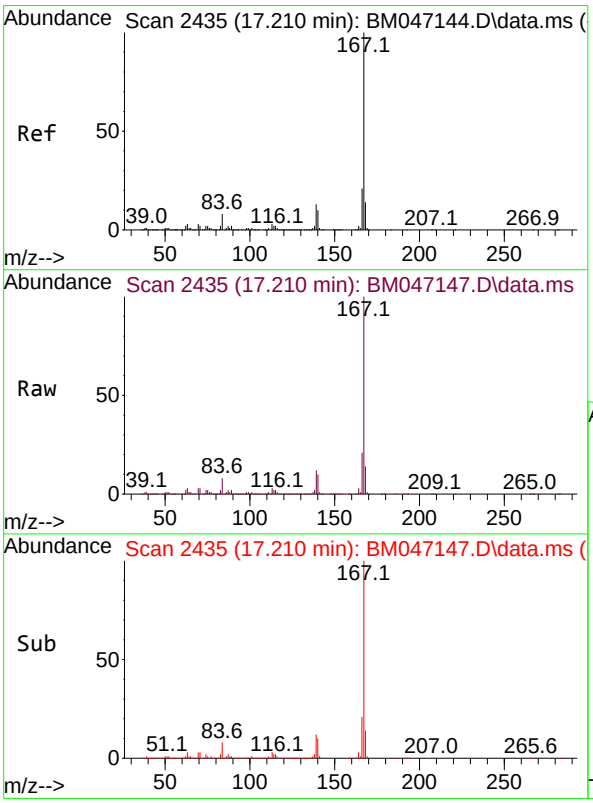
#72
Anthracene
Concen: 75.850 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

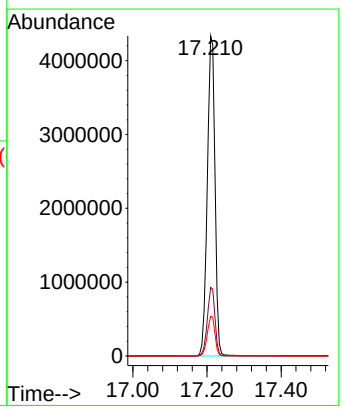


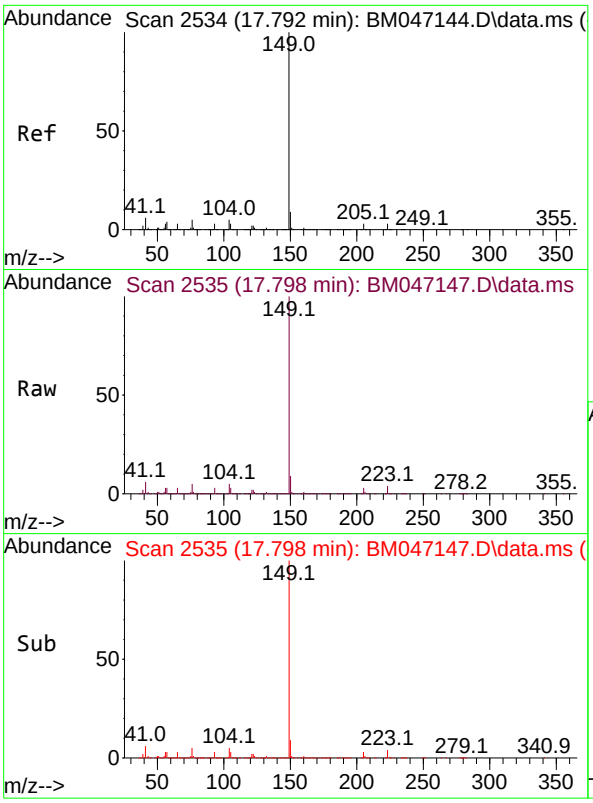


#73
Carbazole
Concen: 74.858 ng
RT: 17.210 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



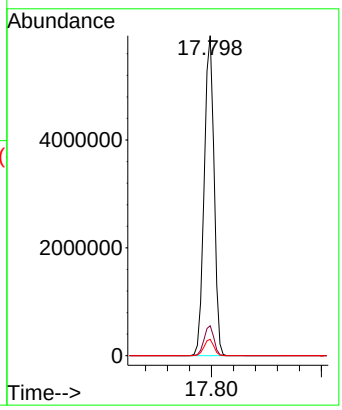


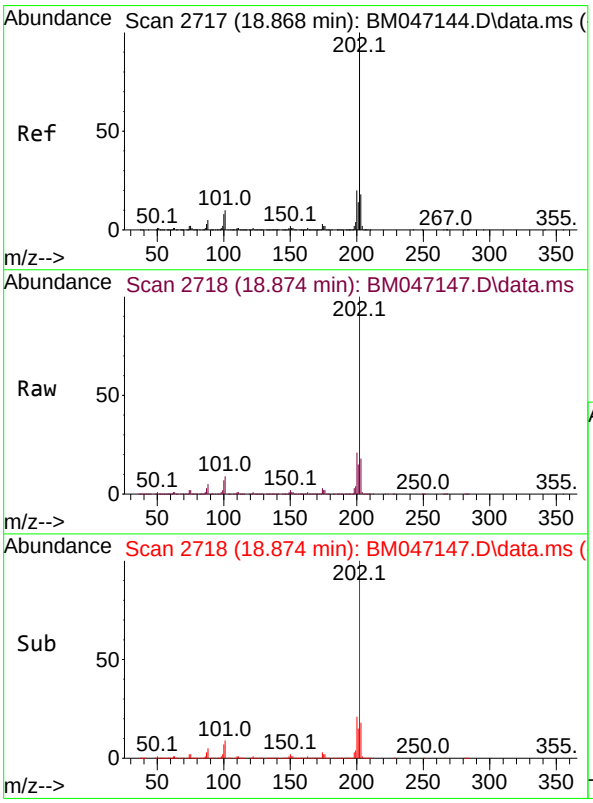
#74
Di-n-butylphthalate
Concen: 75.700 ng
RT: 17.798 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

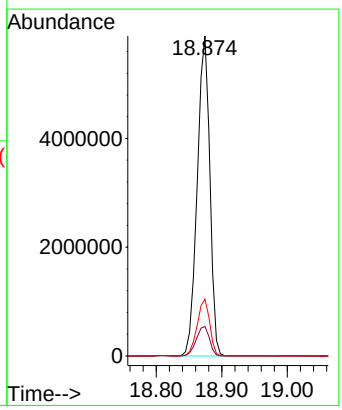


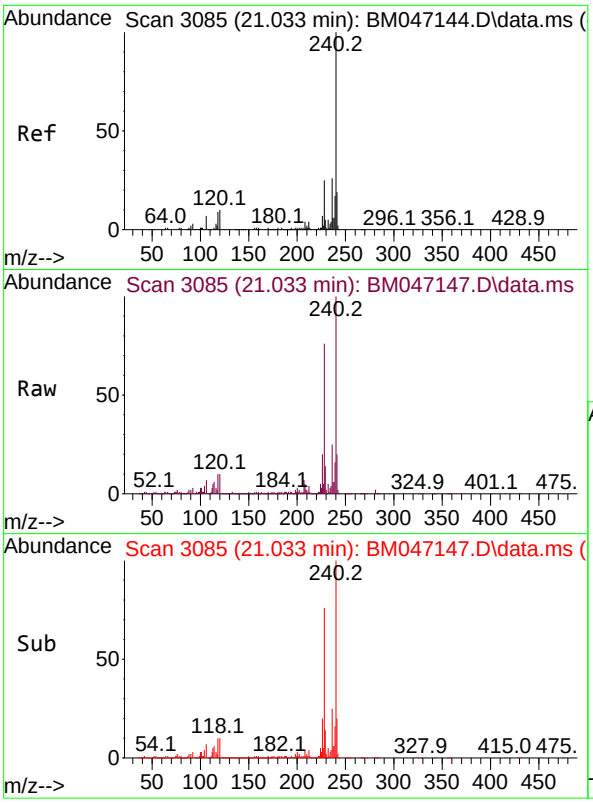


#75
Fluoranthene
Concen: 76.805 ng
RT: 18.874 min Scan# 2718
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



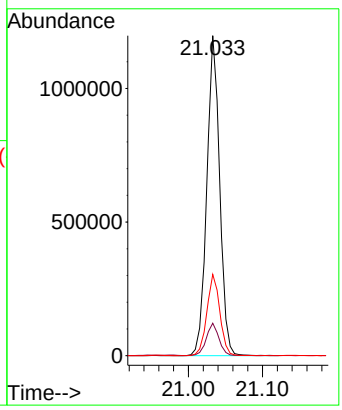


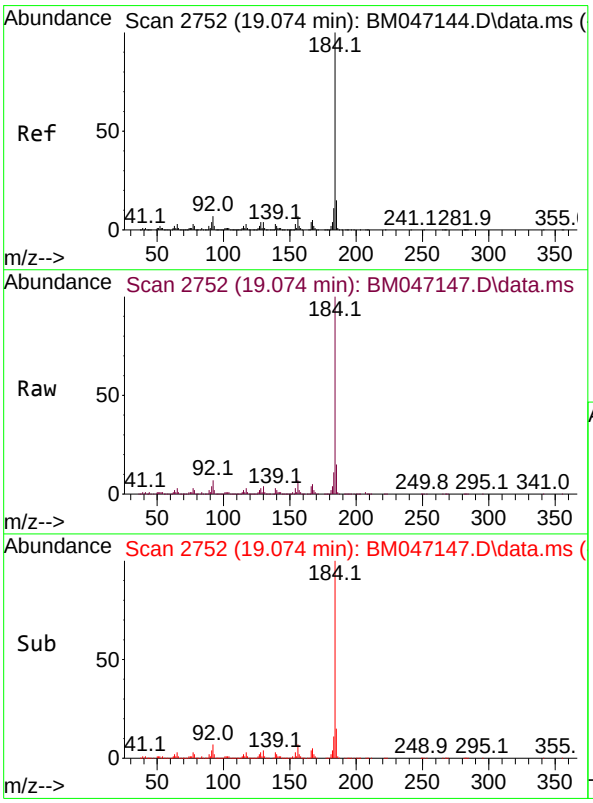
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

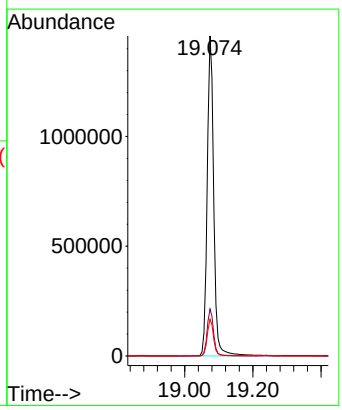


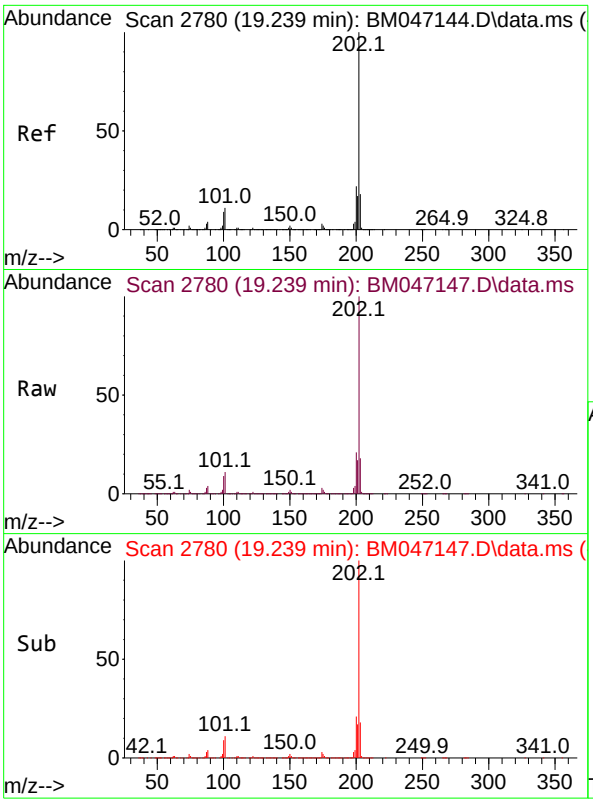


#77
Benzidine
Concen: 79.424 ng
RT: 19.074 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



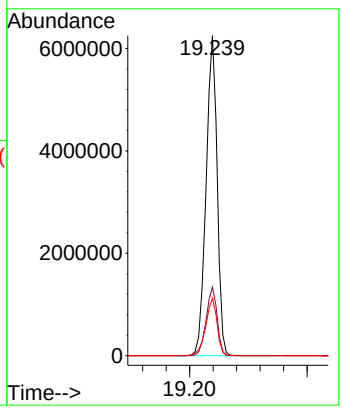


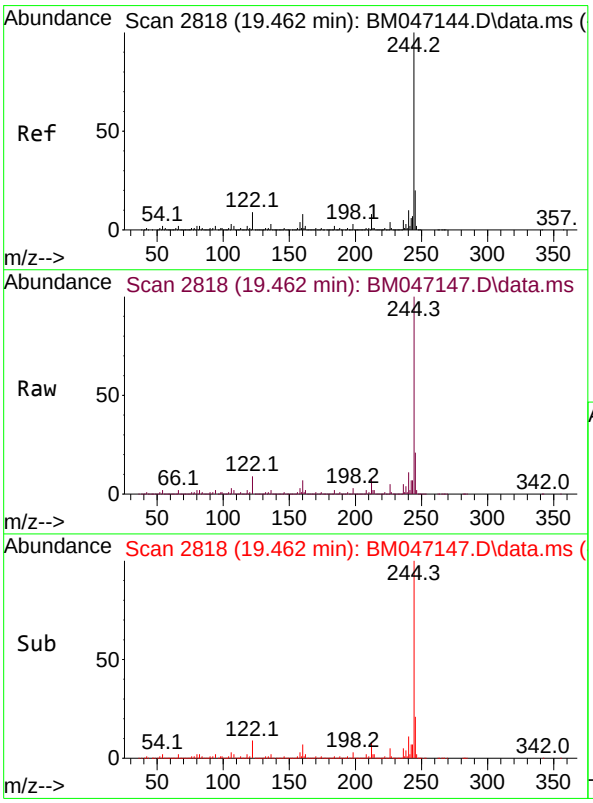
#78
Pyrene
Concen: 79.218 ng
RT: 19.239 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

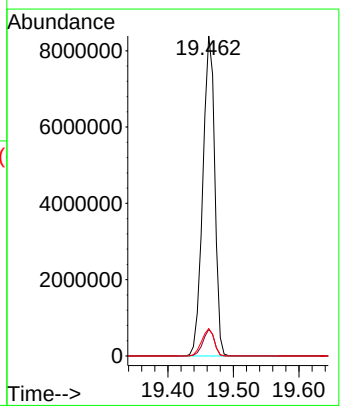


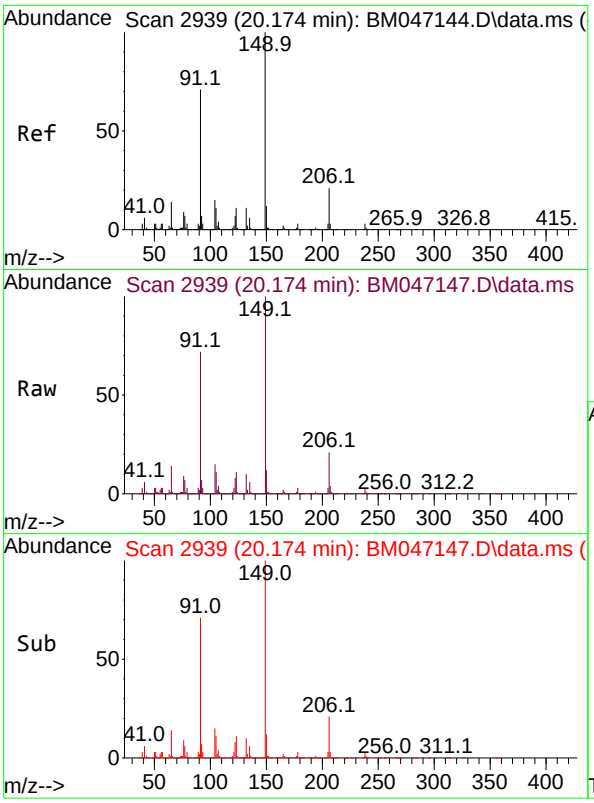


#79
Terphenyl-d14
Concen: 158.037 ng
RT: 19.462 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



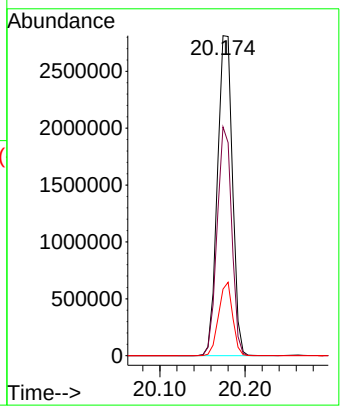


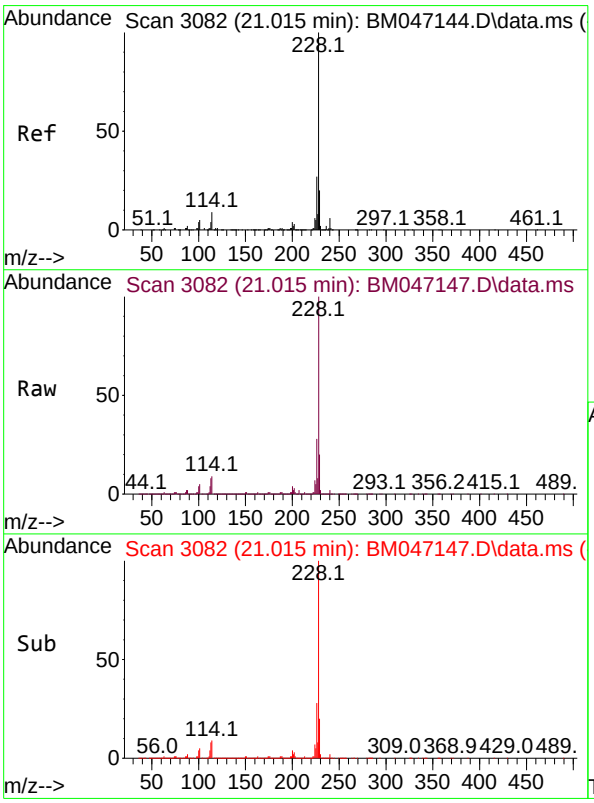
#80
Butylbenzylphthalate
Concen: 81.742 ng
RT: 20.174 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

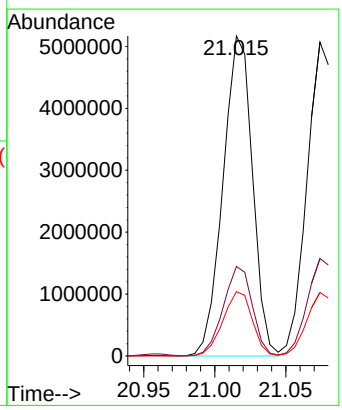


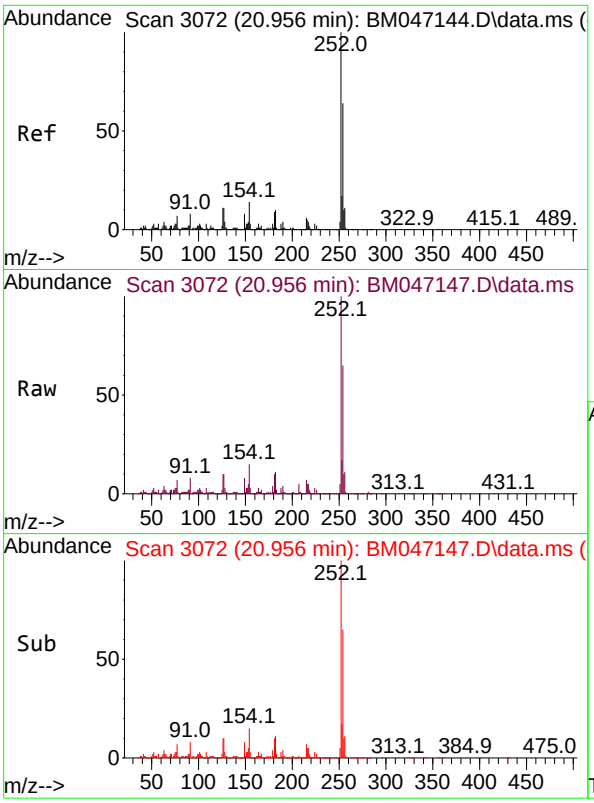


#81
Benzo(a)anthracene
Concen: 77.892 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



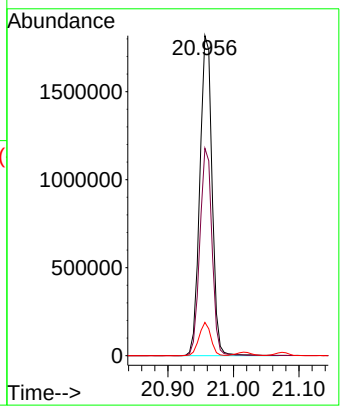


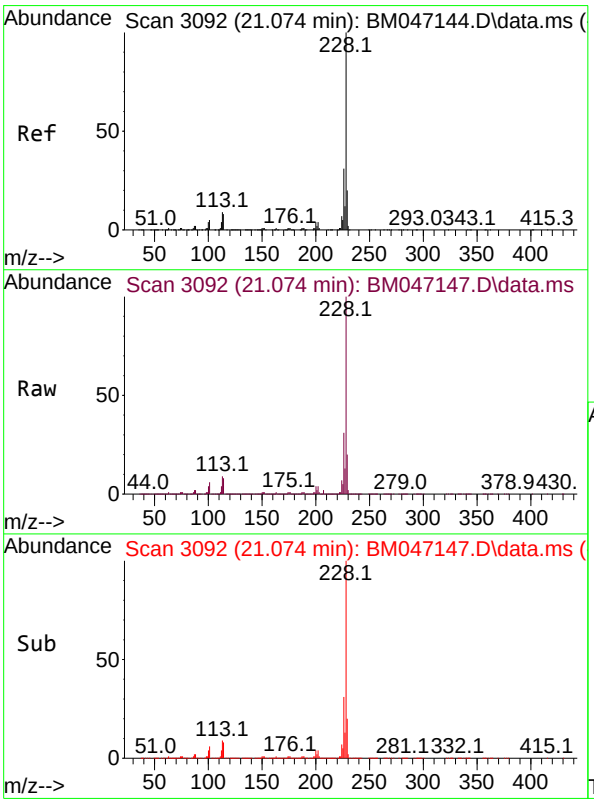
#82
3,3'-Dichlorobenzidine
Concen: 78.698 ng
RT: 20.956 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

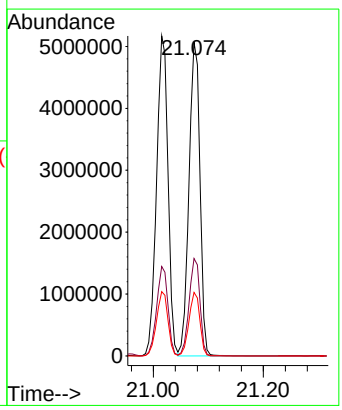


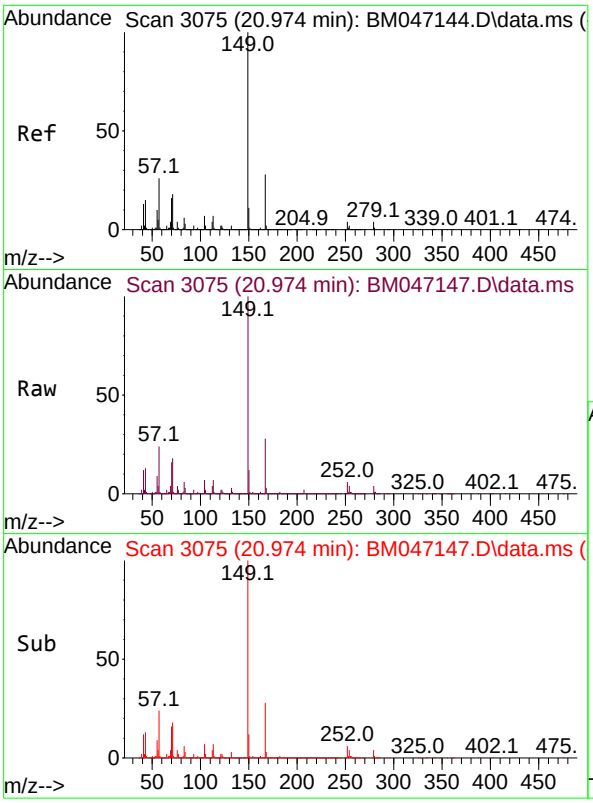


#83
Chrysene
Concen: 76.926 ng
RT: 21.074 min Scan# 3092
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



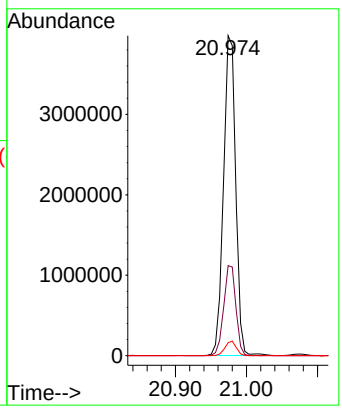


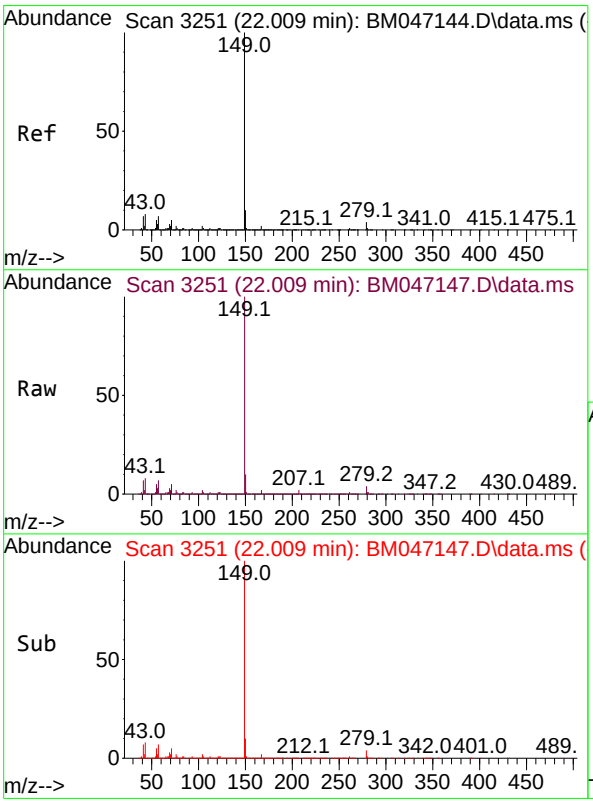
#84
Bis(2-ethylhexyl)phthalate
Concen: 79.001 ng
RT: 20.974 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

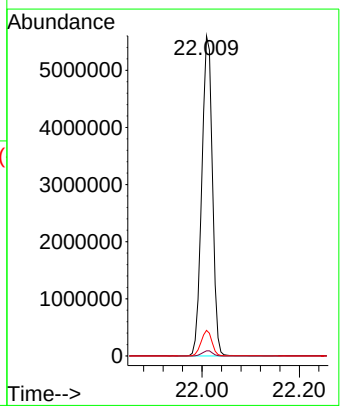


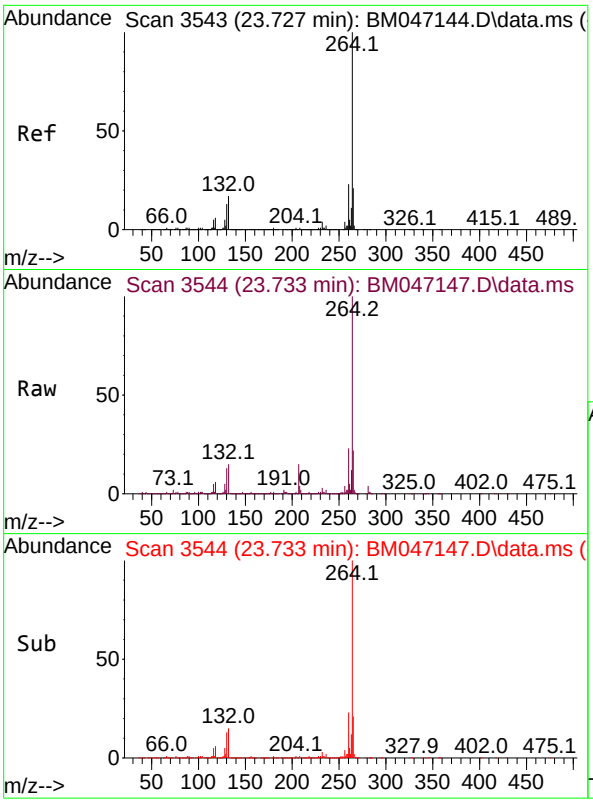


#85
Di-n-octyl phthalate
Concen: 83.492 ng
RT: 22.009 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



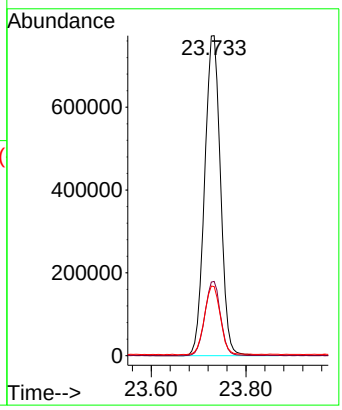


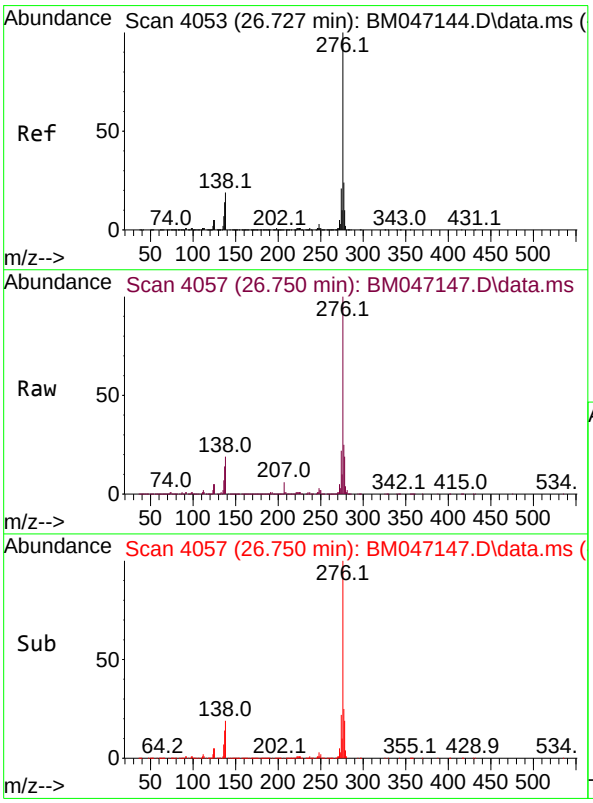
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

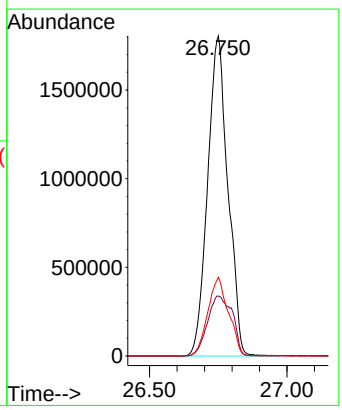


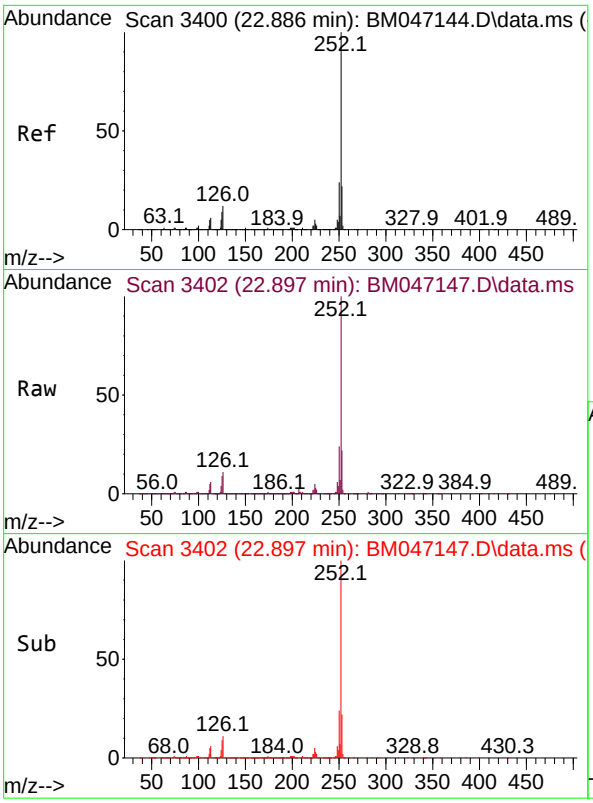


#87
Indeno(1,2,3-cd)pyrene
Concen: 80.058 ng
RT: 26.750 min Scan# 4057
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



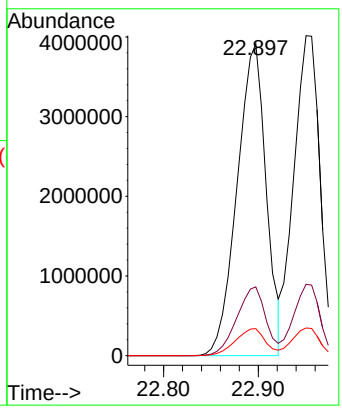


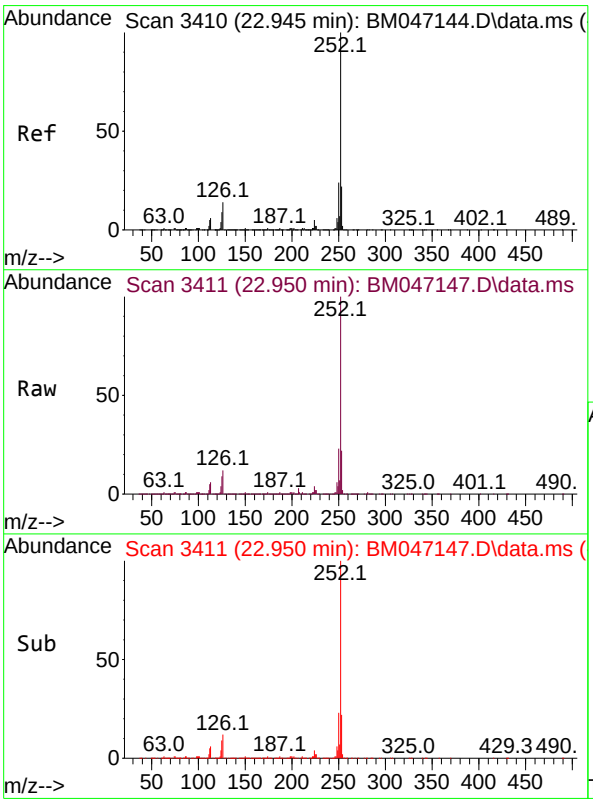
#88
Benzo(b)fluoranthene
Concen: 78.391 ng
RT: 22.897 min Scan# 34
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

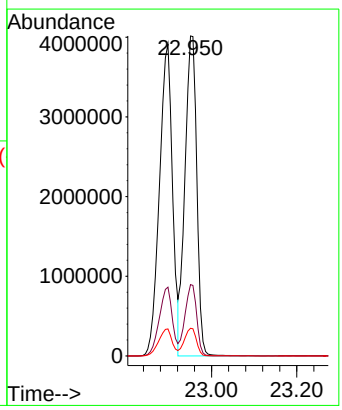


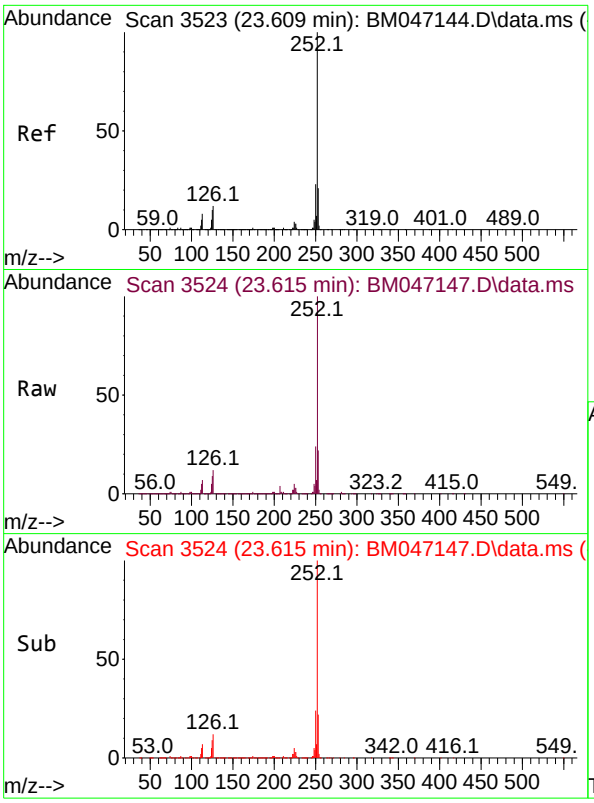


#89
Benzo(k)fluoranthene
Concen: 76.985 ng
RT: 22.950 min Scan# 3411
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



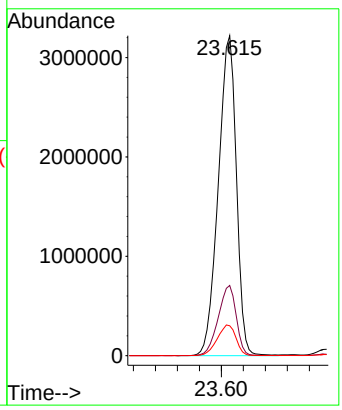


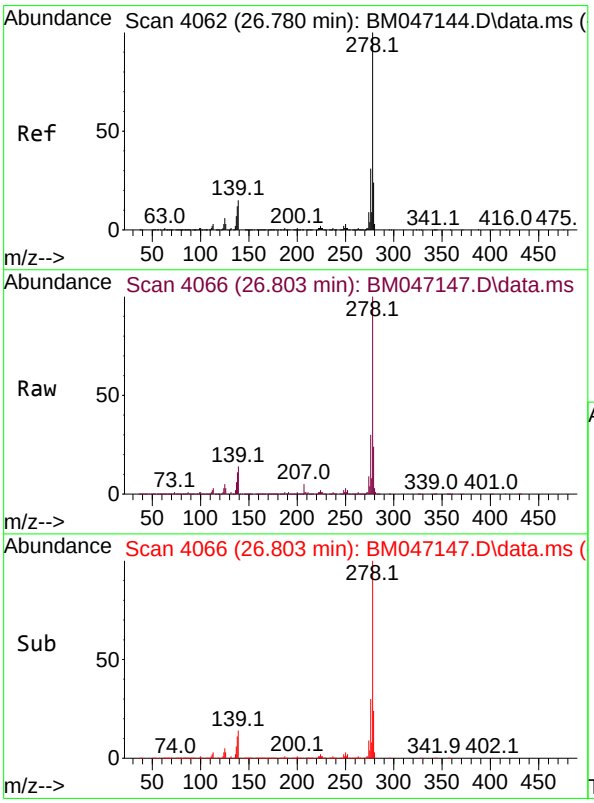
#90
Benzo(a)pyrene
Concen: 79.723 ng
RT: 23.615 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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

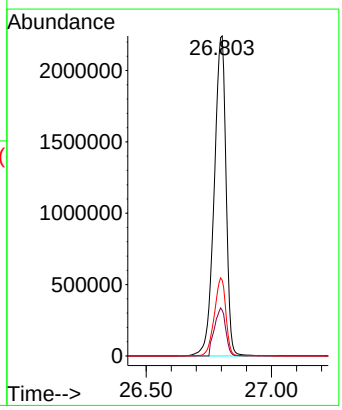


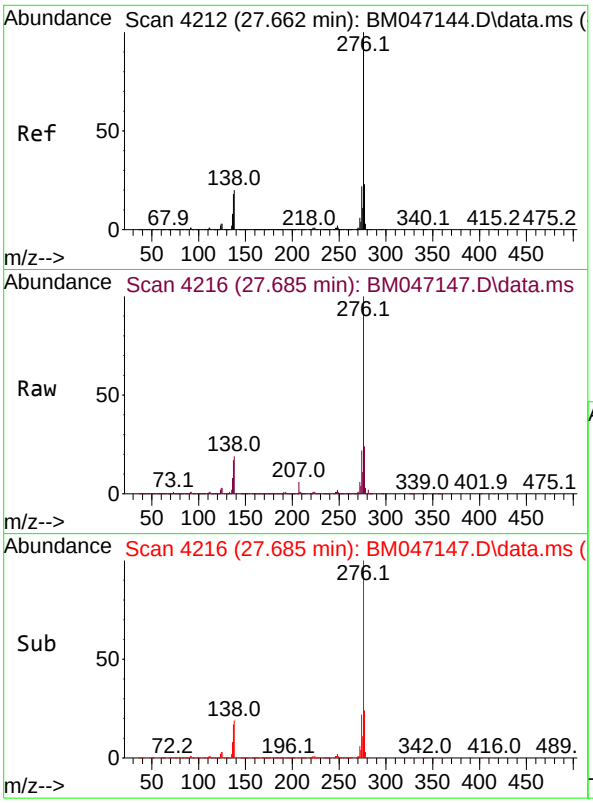


#91
Dibenzo(a,h)anthracene
Concen: 78.655 ng
RT: 26.803 min Scan# 4066
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



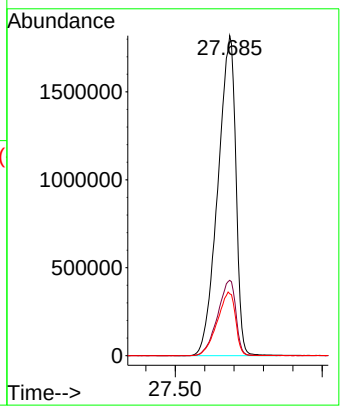


#92
Benzo(g,h,i)perylene
Concen: 79.293 ng
RT: 27.685 min Scan# 4
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

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



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

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

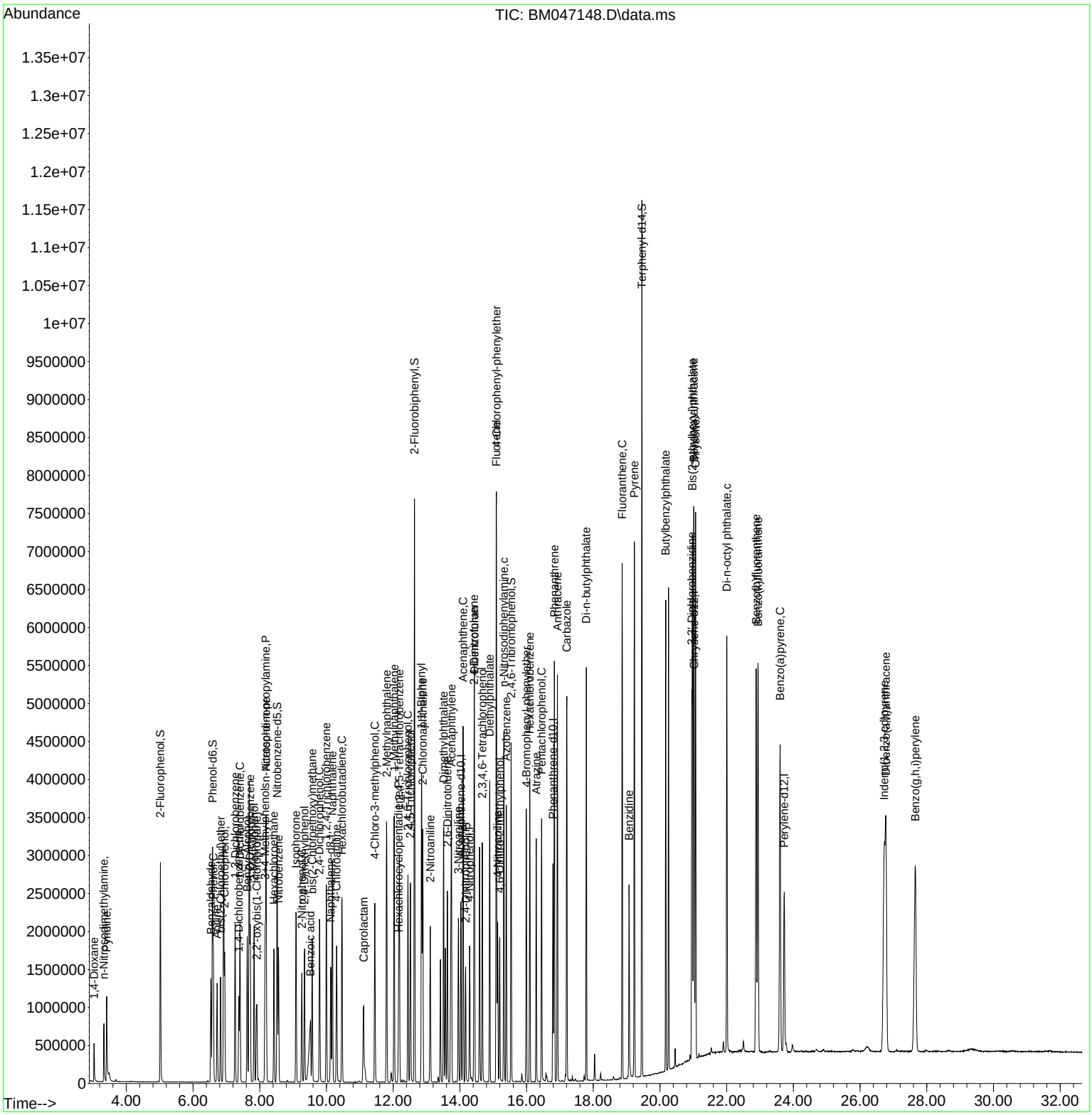
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	707267	41.066	ng	99
46) 1,1'-Biphenyl	12.851	154	2199985	38.622	ng	98
47) 2-Chloronaphthalene	12.886	162	1712308	38.460	ng	100
48) 2-Nitroaniline	13.116	65	561121	40.230	ng	100
49) Acenaphthylene	13.751	152	2577143	39.270	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

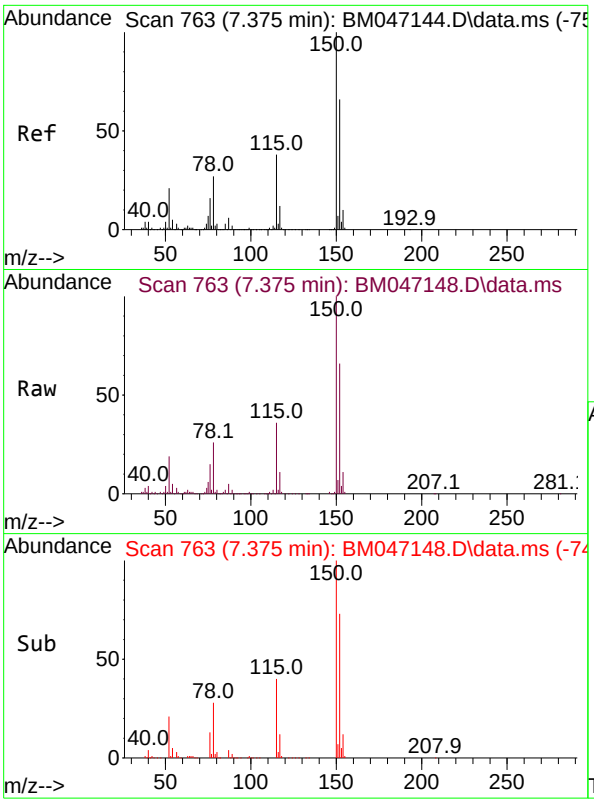
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



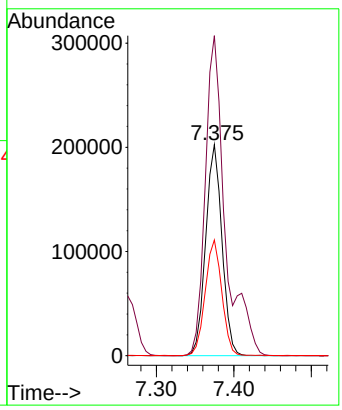


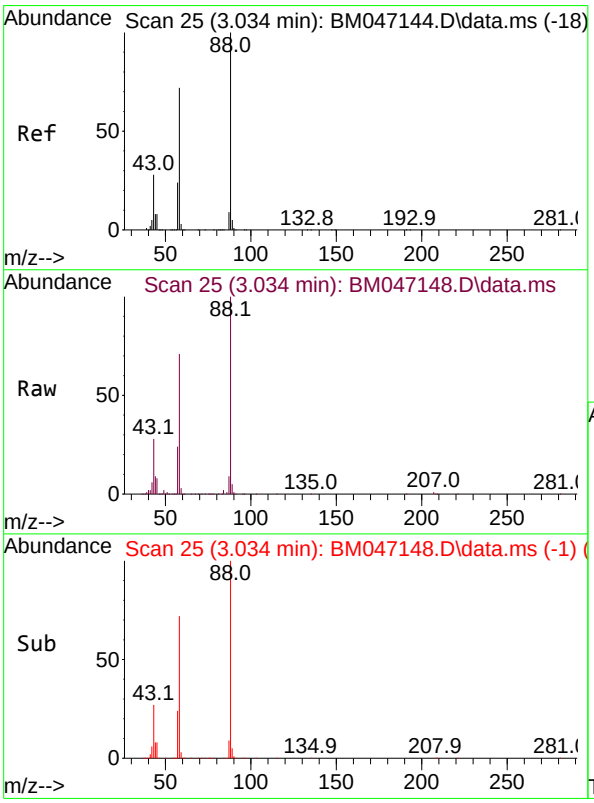
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

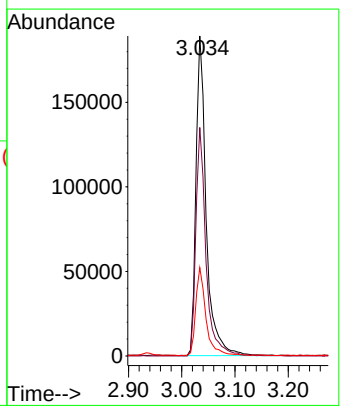


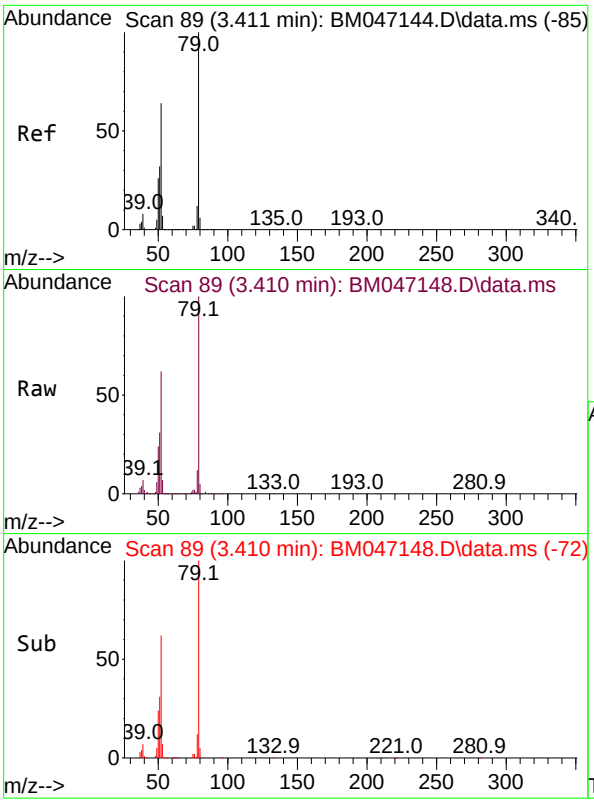


#2
1,4-Dioxane
Concen: 36.823 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



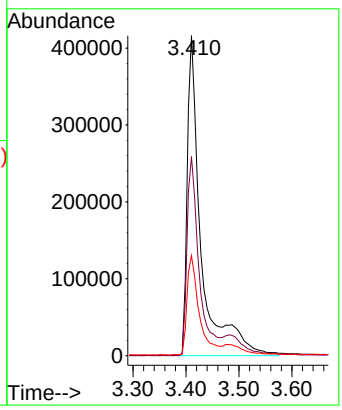


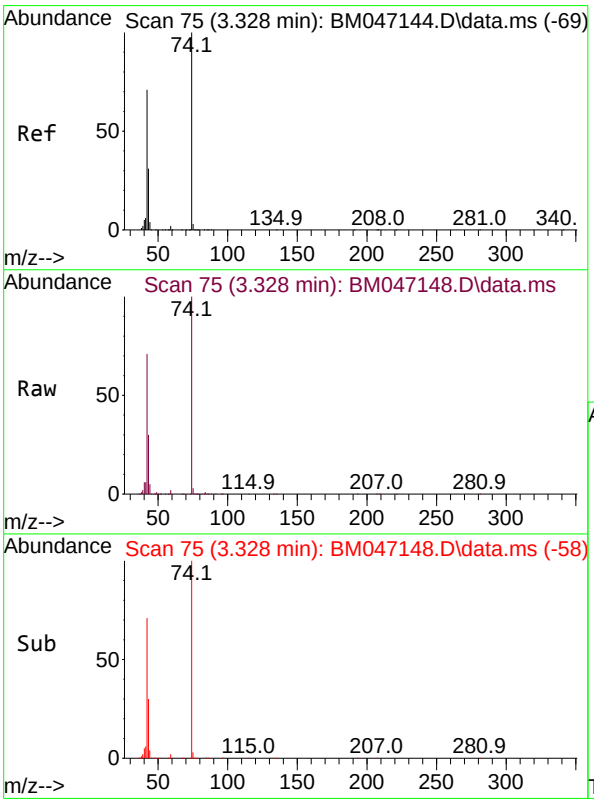
#3
Pyridine
Concen: 37.969 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

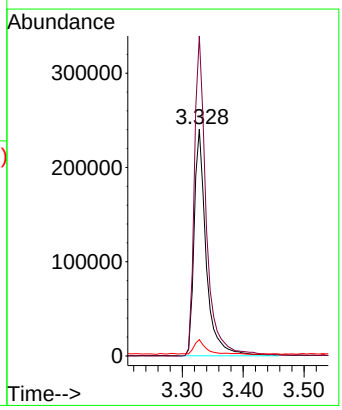


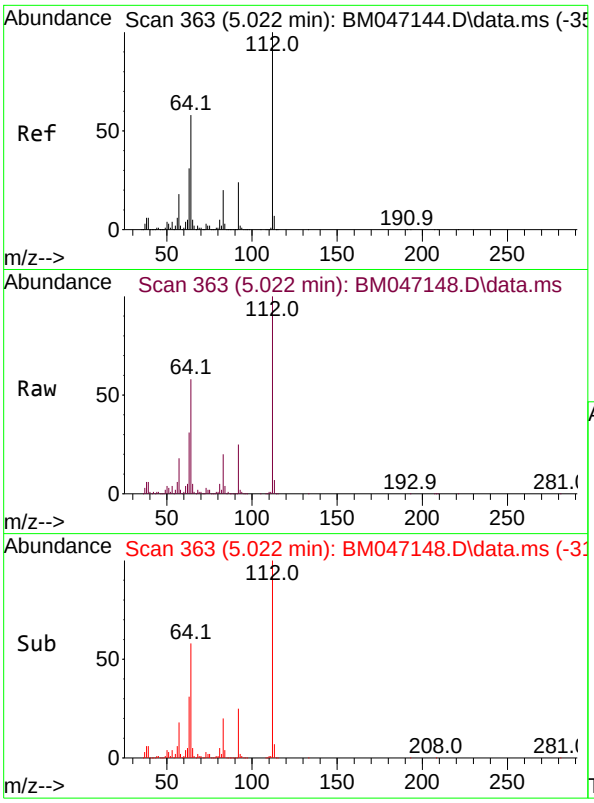


#4
n-Nitrosodimethylamine
Concen: 37.322 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



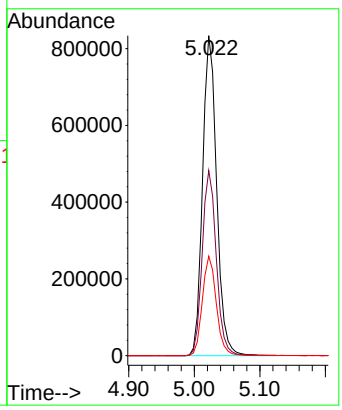


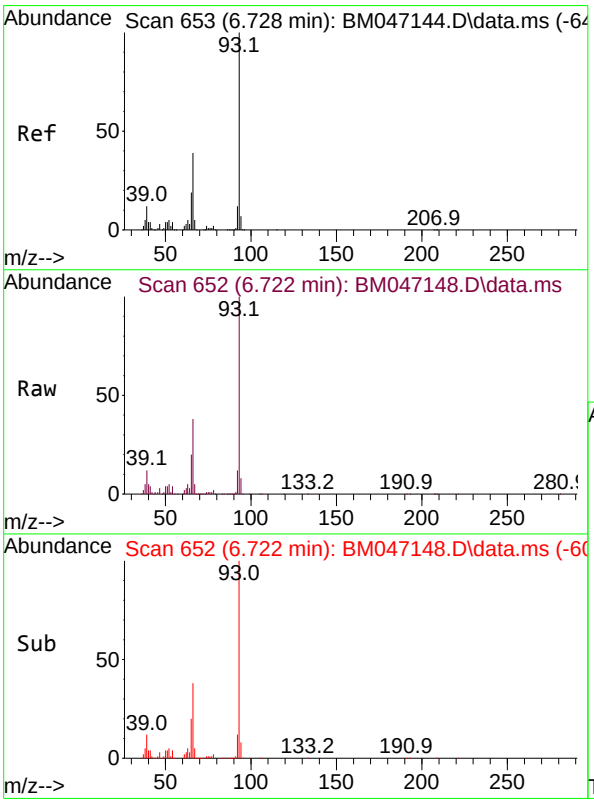
#5
2-Fluorophenol
Concen: 75.195 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

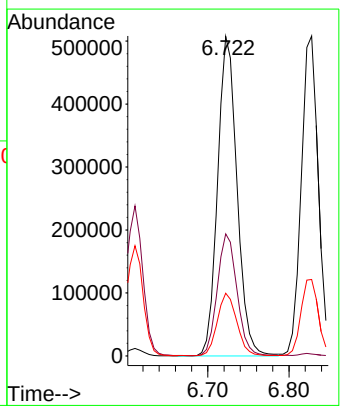


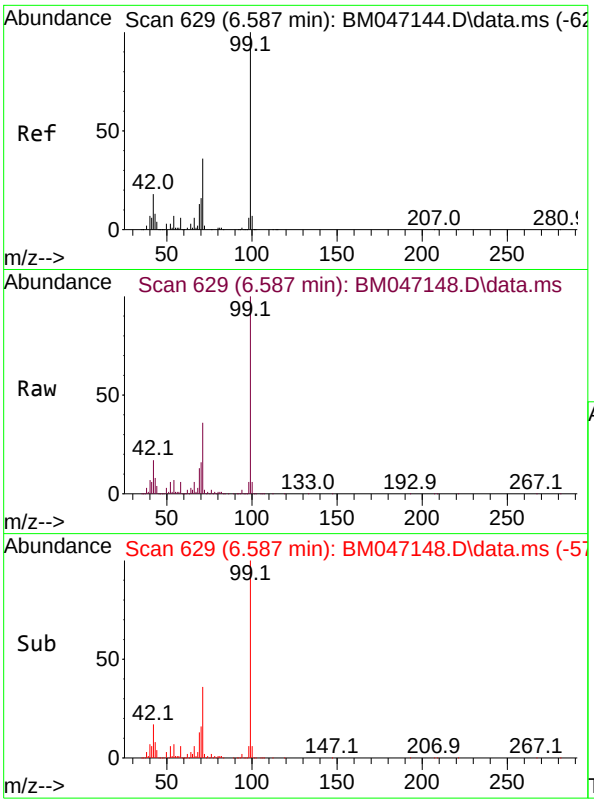


#6
Aniline
Concen: 39.104 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



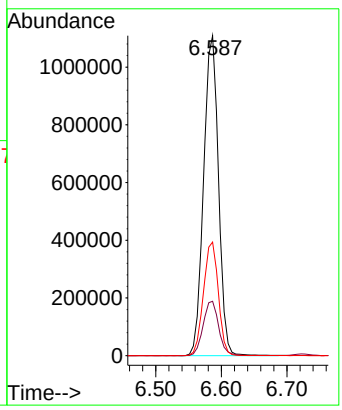


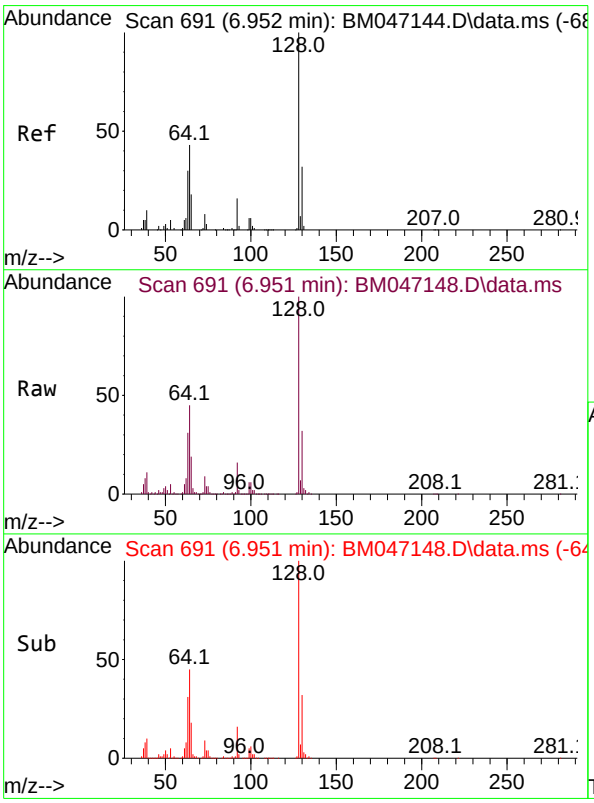
#7
Phenol-d6
Concen: 76.636 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

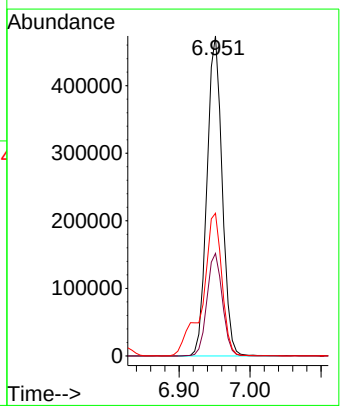


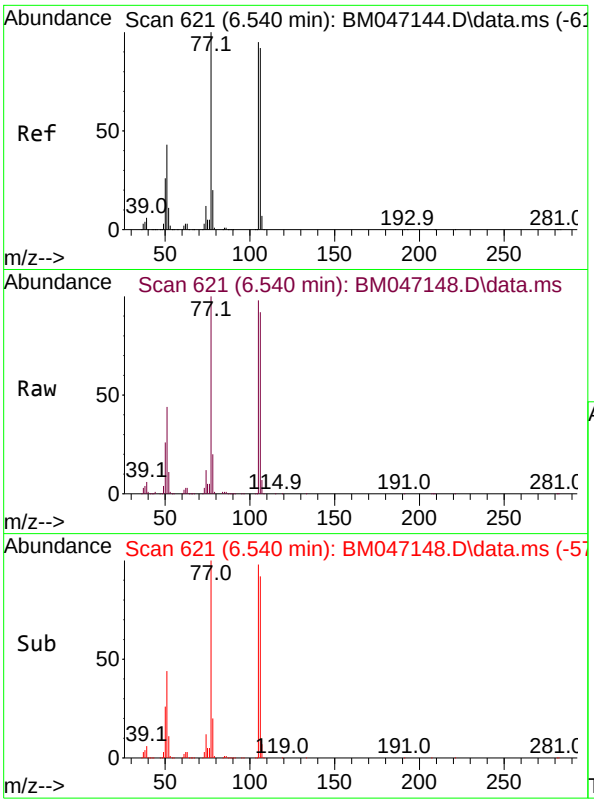


#8
2-Chlorophenol
Concen: 38.916 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



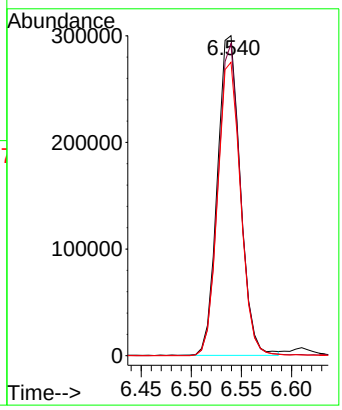


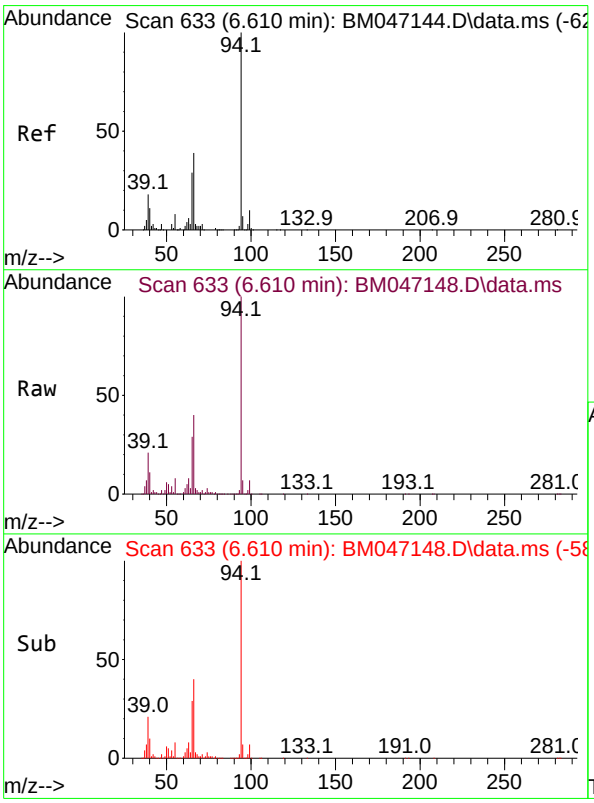
#9
Benzaldehyde
Concen: 39.535 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

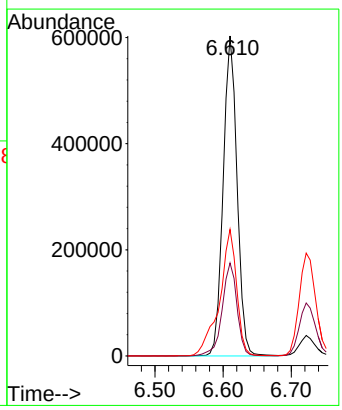


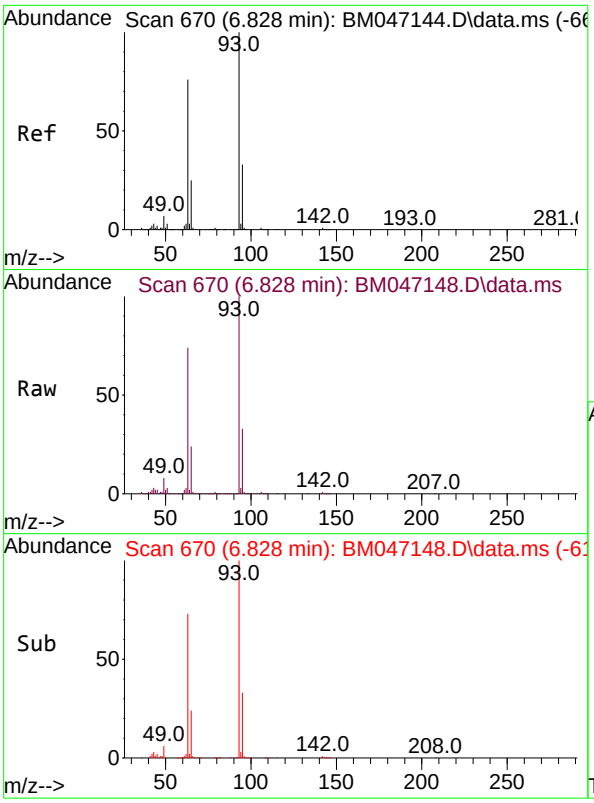


#10
Phenol
Concen: 37.549 ng
RT: 6.610 min Scan# 633
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



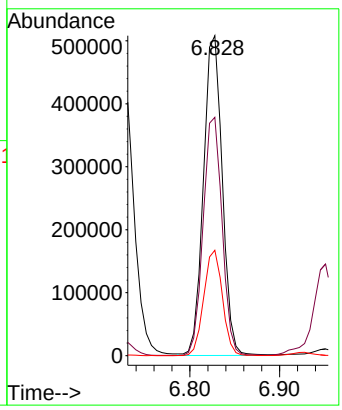


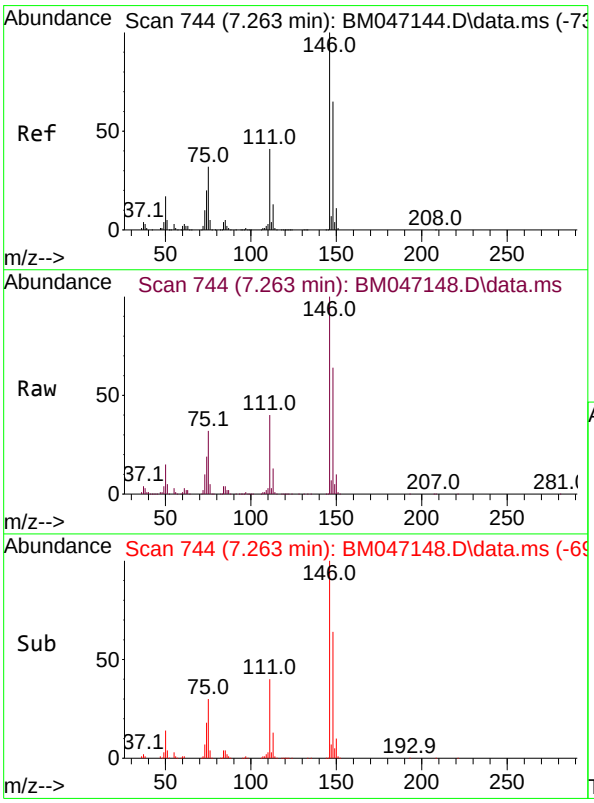
#11
bis(2-Chloroethyl)ether
Concen: 37.972 ng
RT: 6.828 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

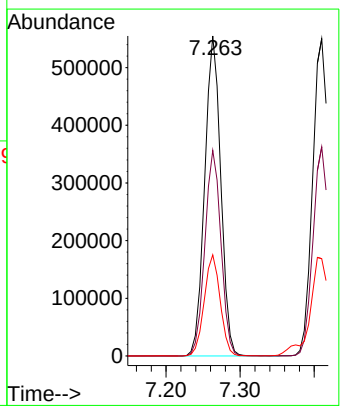


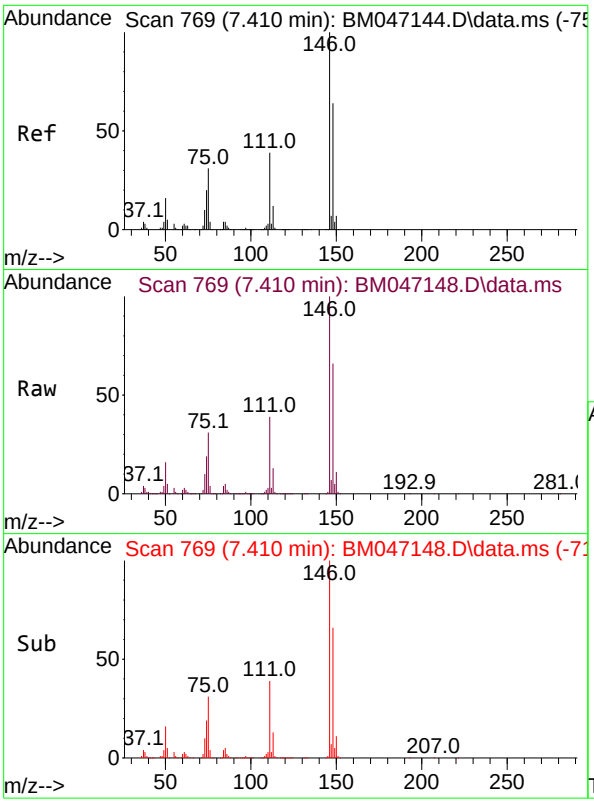


#12
1,3-Dichlorobenzene
Concen: 38.900 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



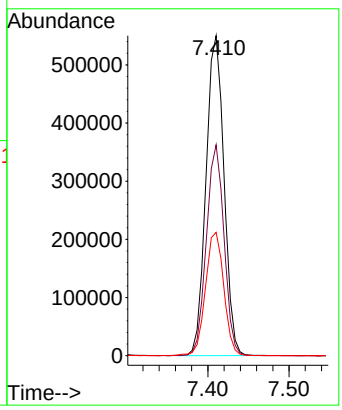


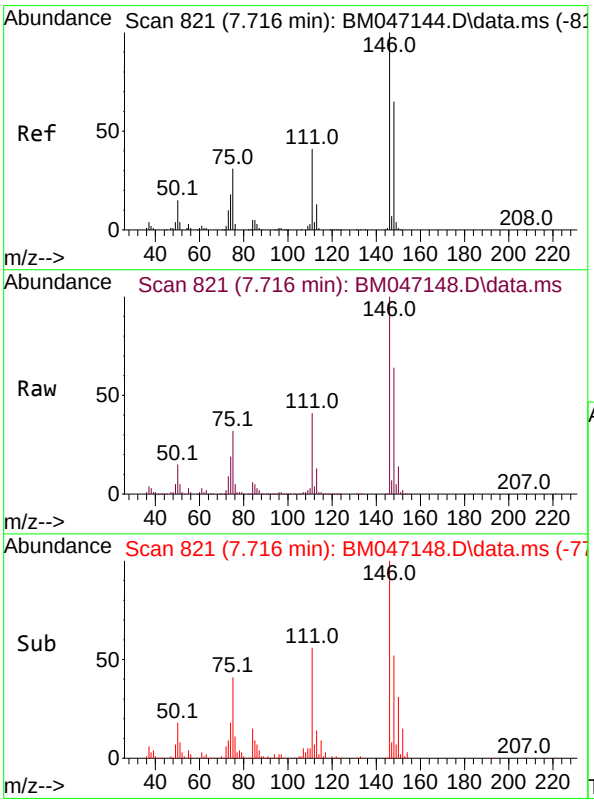
#13
1,4-Dichlorobenzene
Concen: 38.844 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

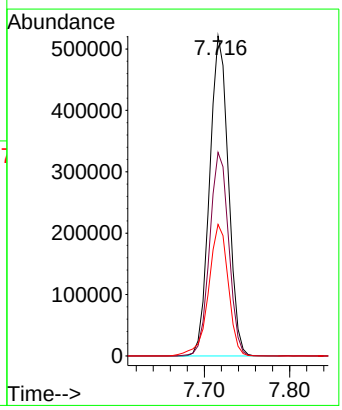


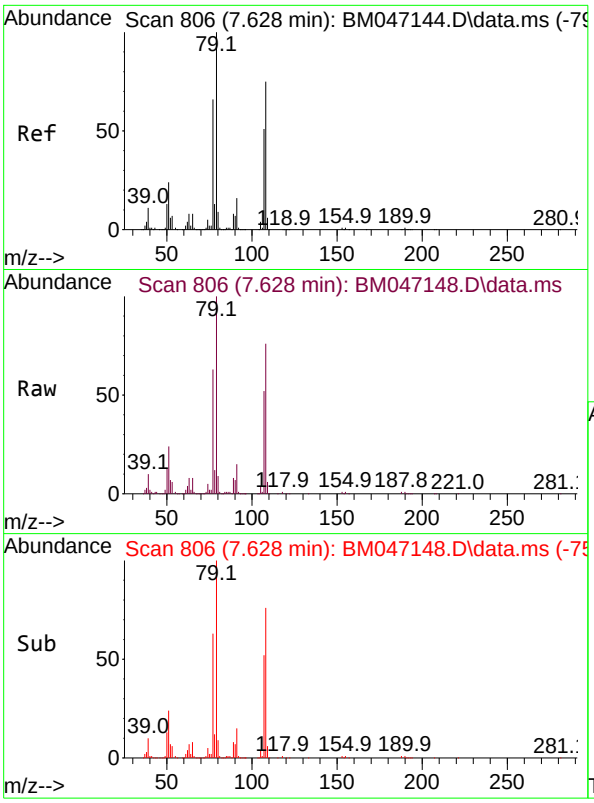


#14
1,2-Dichlorobenzene
Concen: 38.744 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



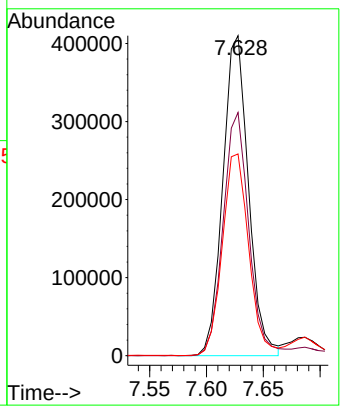


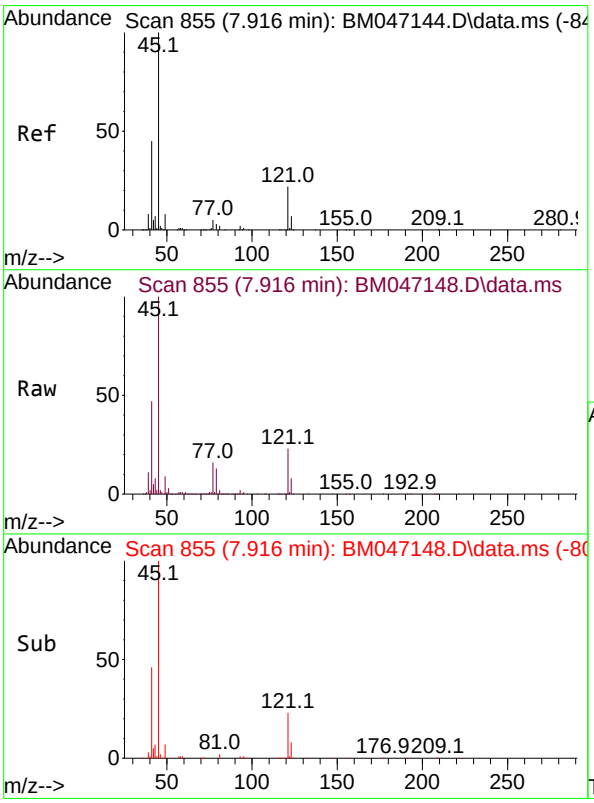
#15
Benzyl Alcohol
Concen: 39.581 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

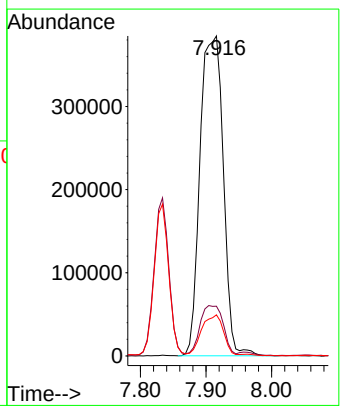


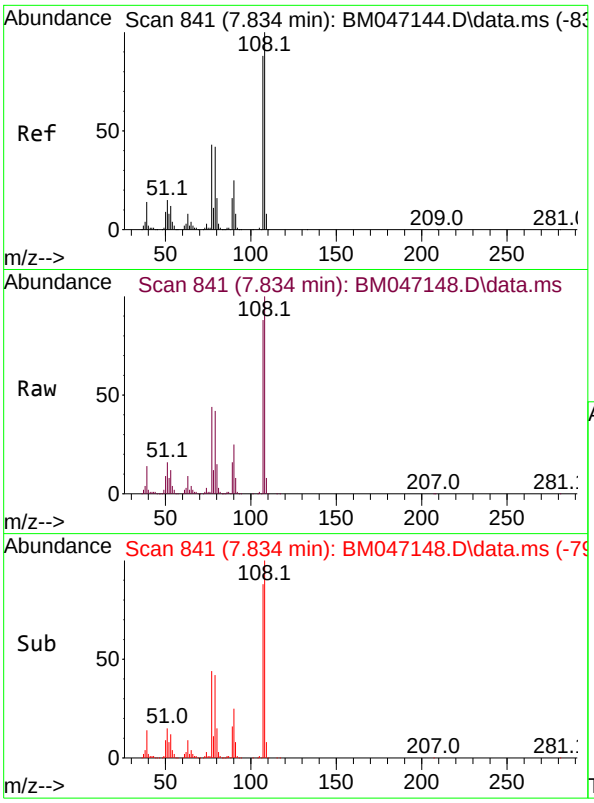


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.800 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



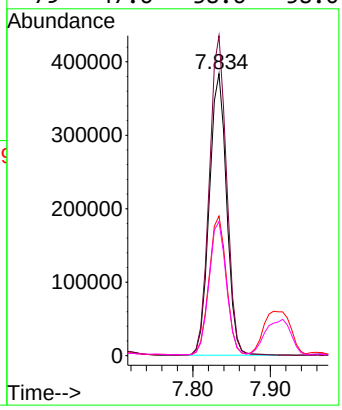


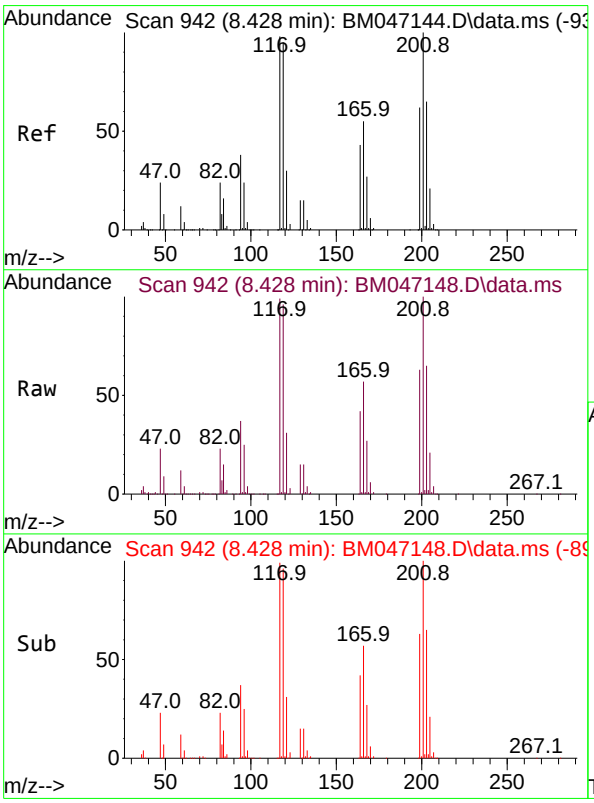
#17
2-Methylphenol
Concen: 39.168 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

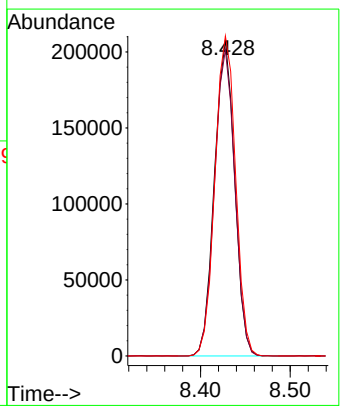


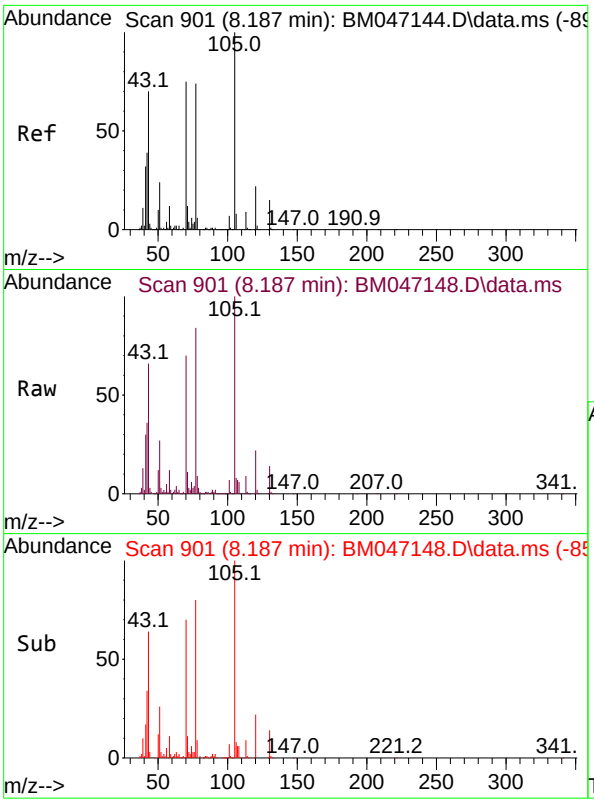


#18
Hexachloroethane
Concen: 38.447 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



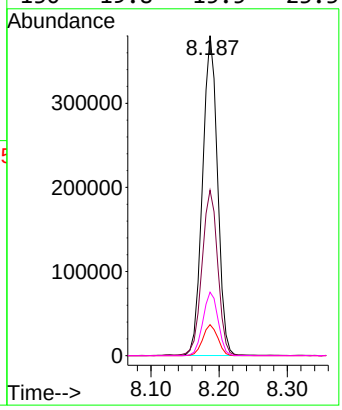


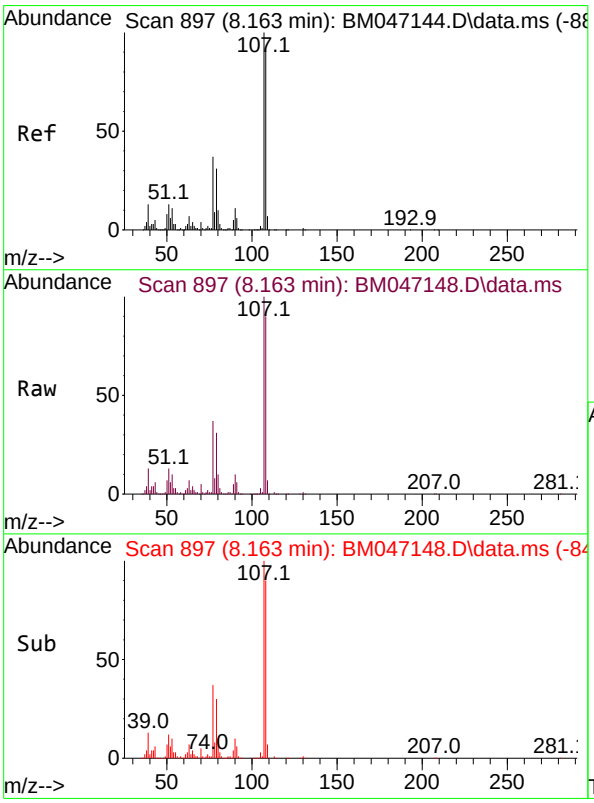
#19
n-Nitroso-di-n-propylamine
Concen: 37.864 ng
RT: 8.187 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

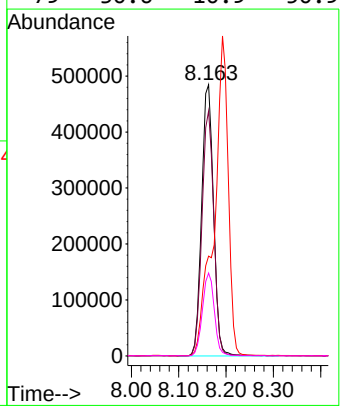


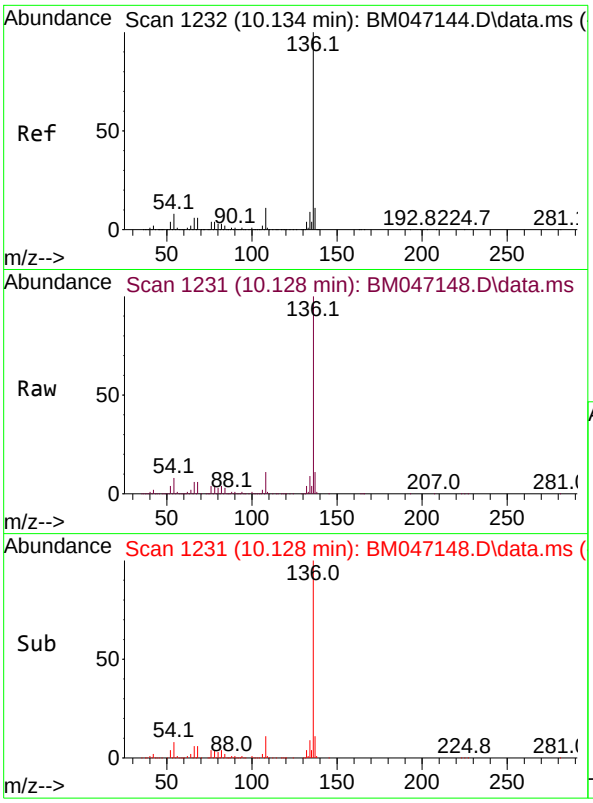


#20
3+4-Methylphenols
Concen: 39.723 ng
RT: 8.163 min Scan# 897
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



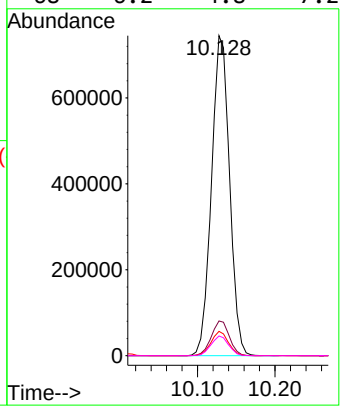


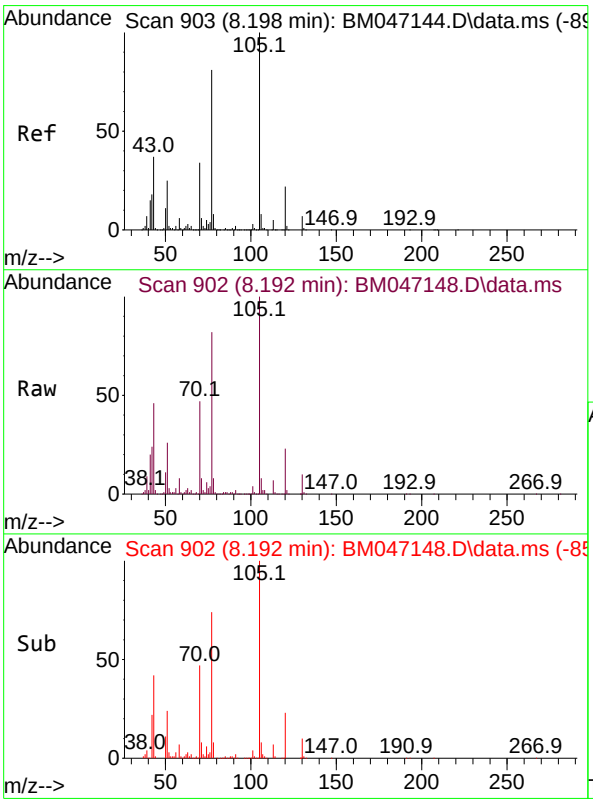
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

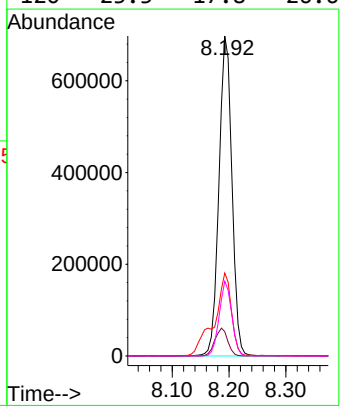


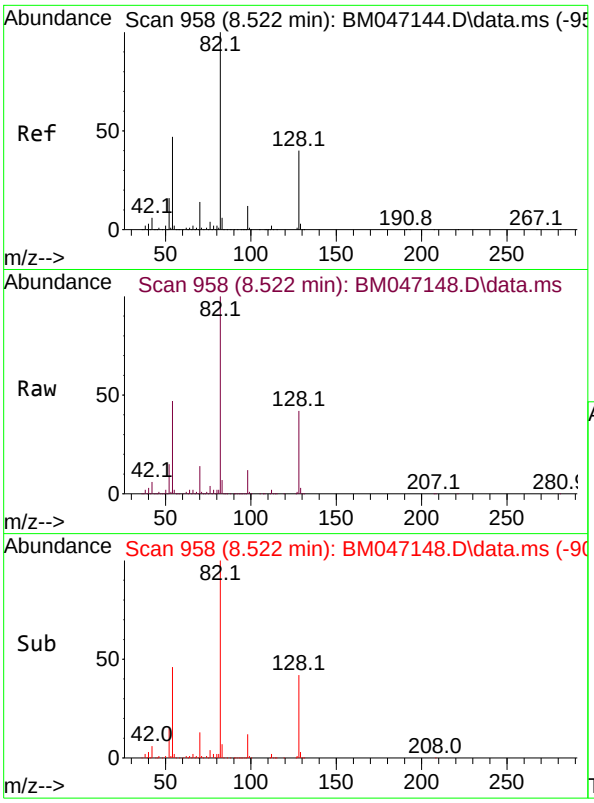


#22
Acetophenone
Concen: 38.108 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



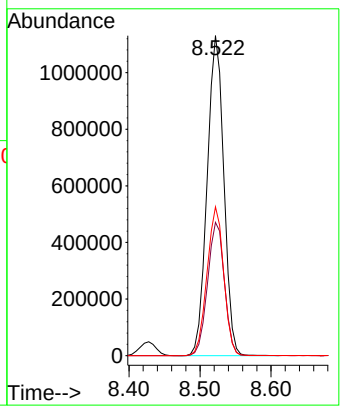


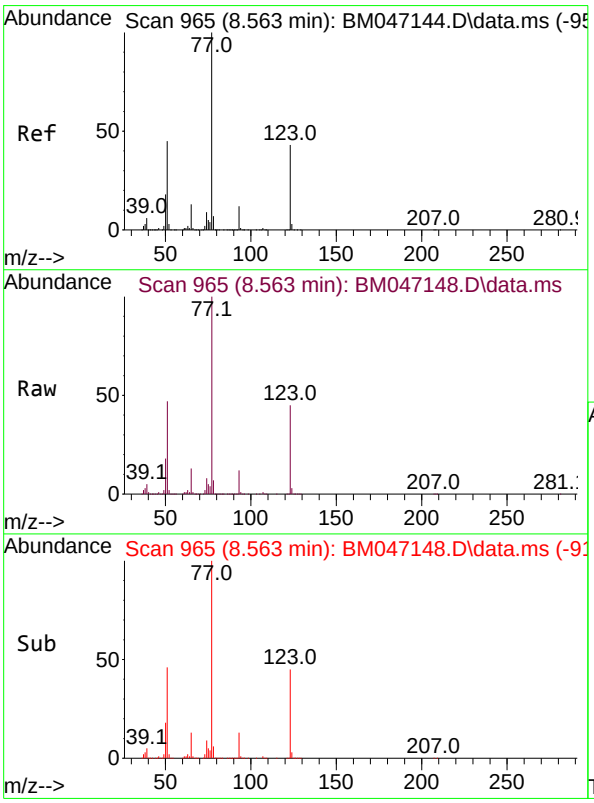
#23
Nitrobenzene-d5
Concen: 77.088 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

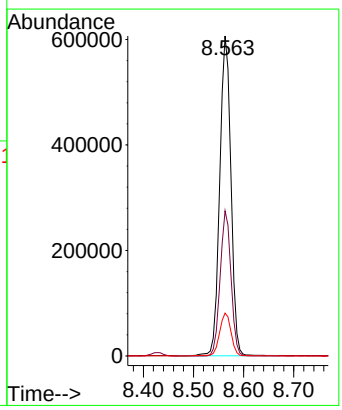


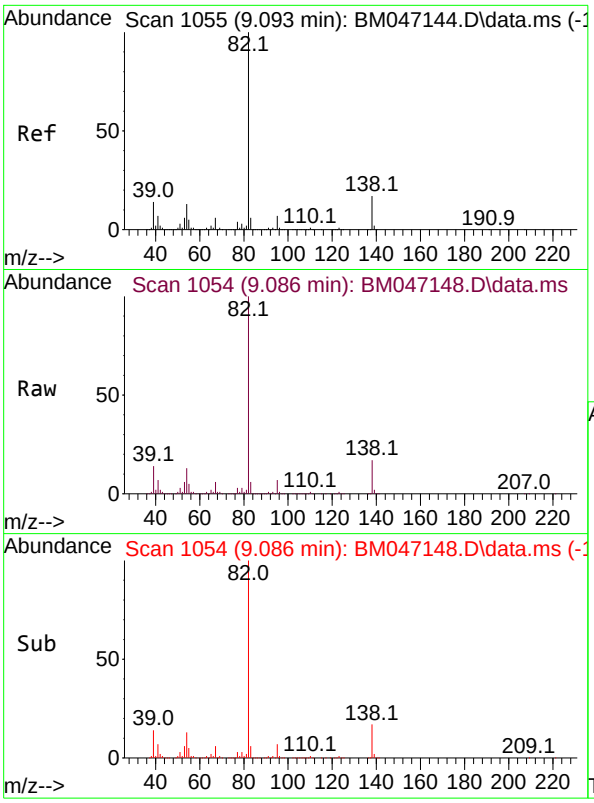


#24
Nitrobenzene
Concen: 38.978 ng
RT: 8.563 min Scan# 965
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



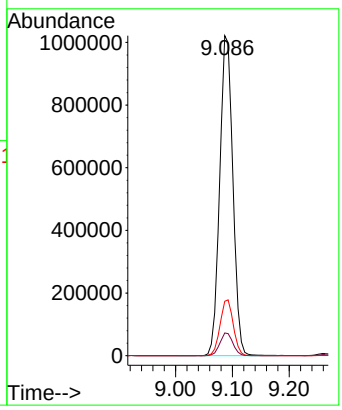


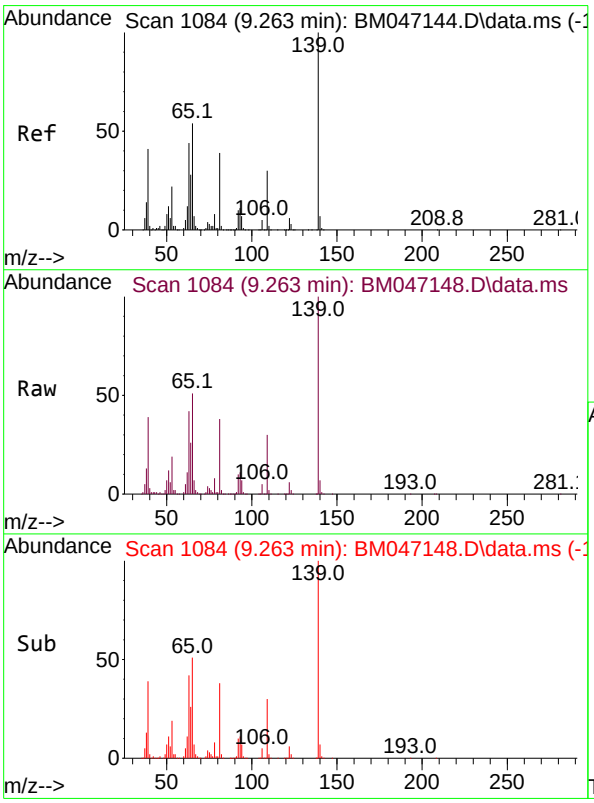
#25
Isophorone
Concen: 39.554 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

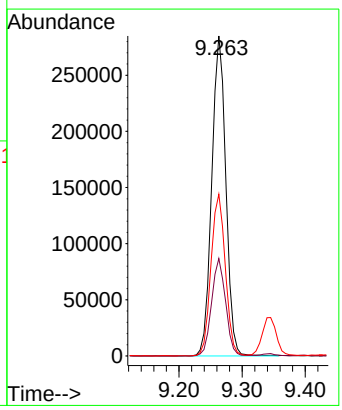


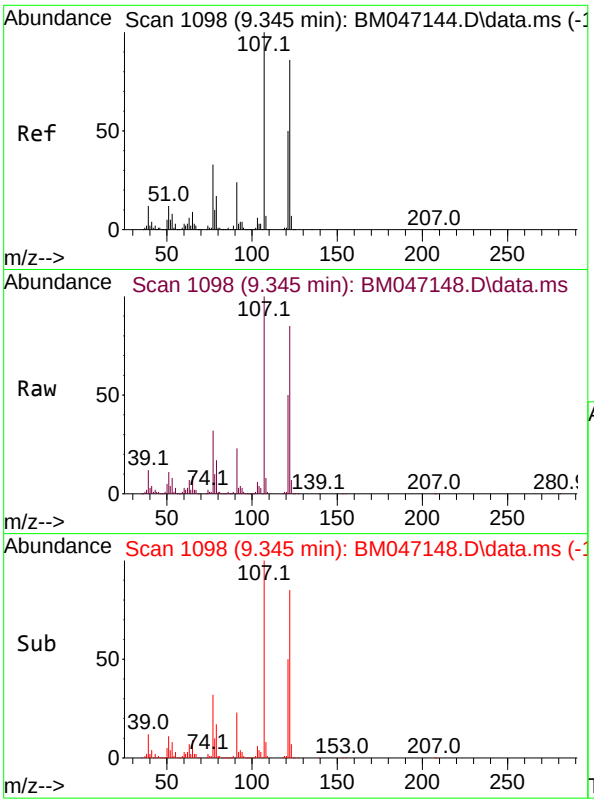


#26
2-Nitrophenol
Concen: 41.274 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



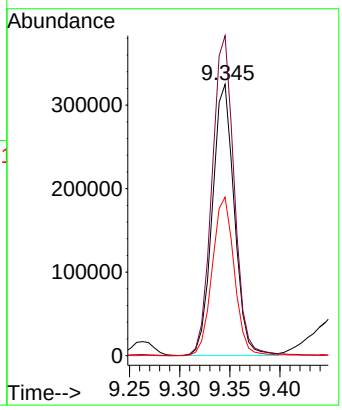


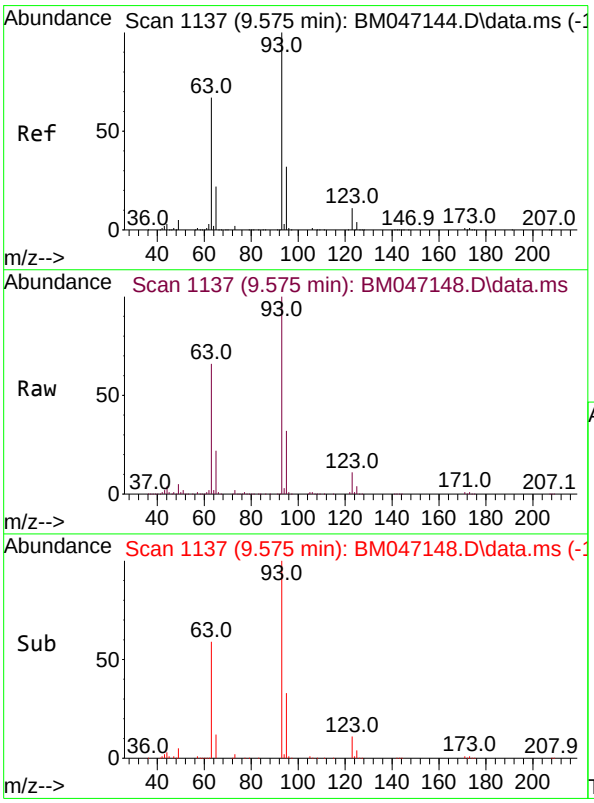
#27
2,4-Dimethylphenol
Concen: 39.547 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

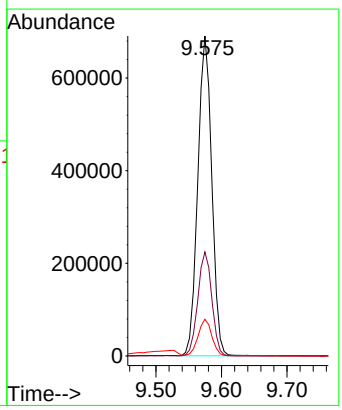


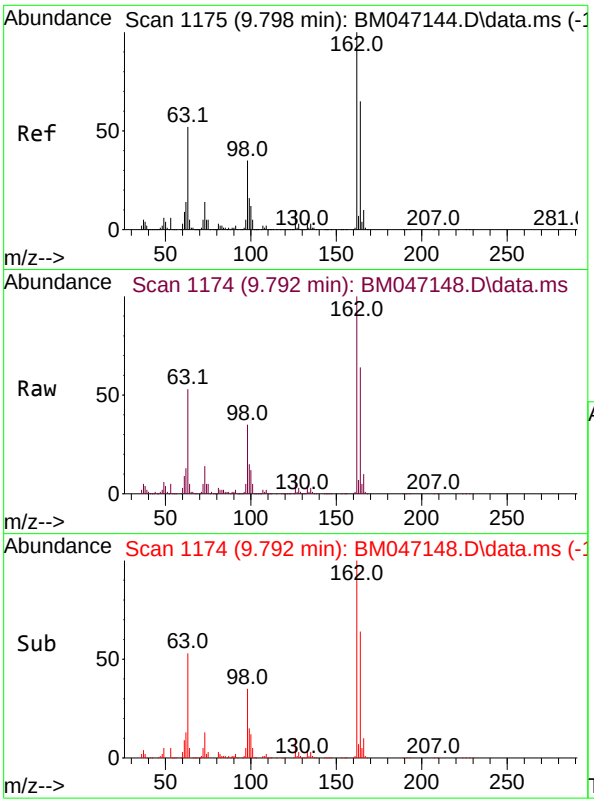


#28
bis(2-Chloroethoxy)methane
Concen: 39.022 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



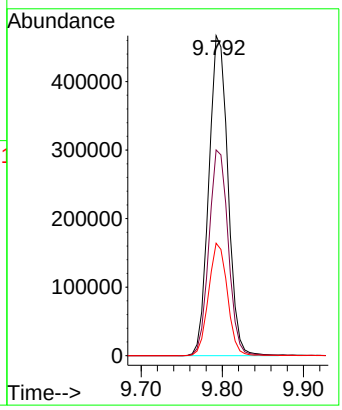


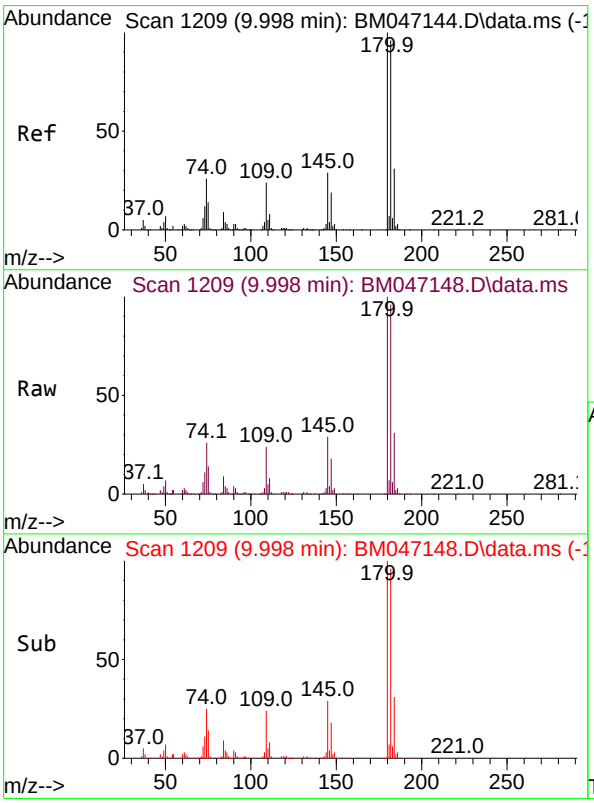
#29
2,4-Dichlorophenol
Concen: 40.983 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

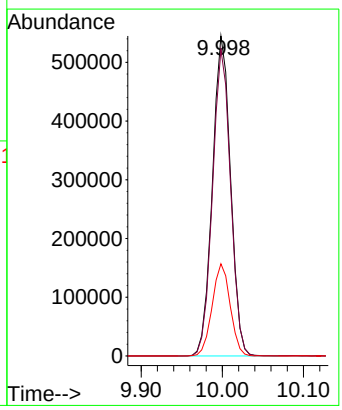


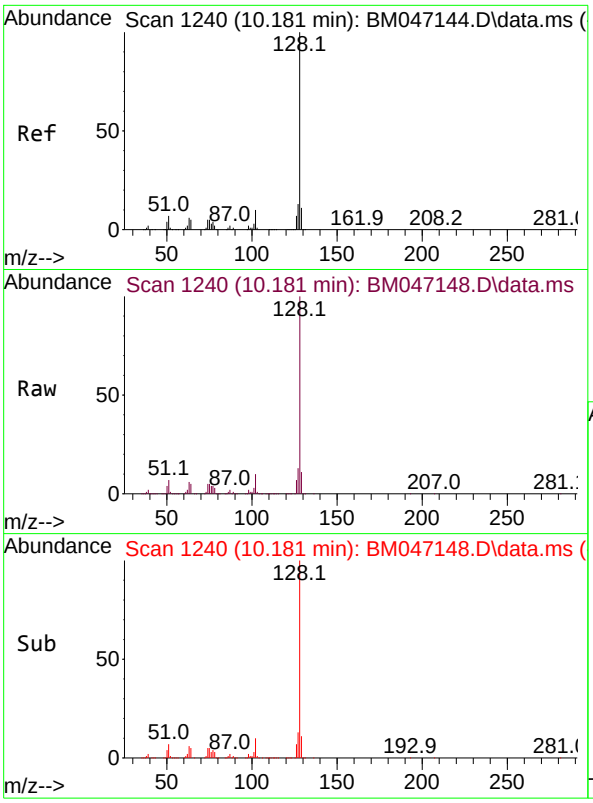


#30
1,2,4-Trichlorobenzene
Concen: 40.261 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



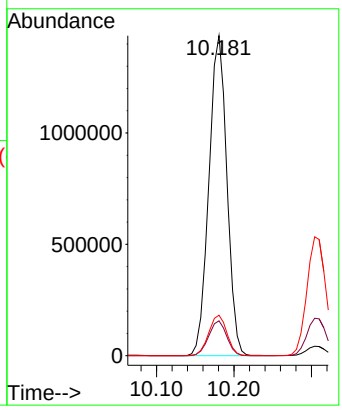


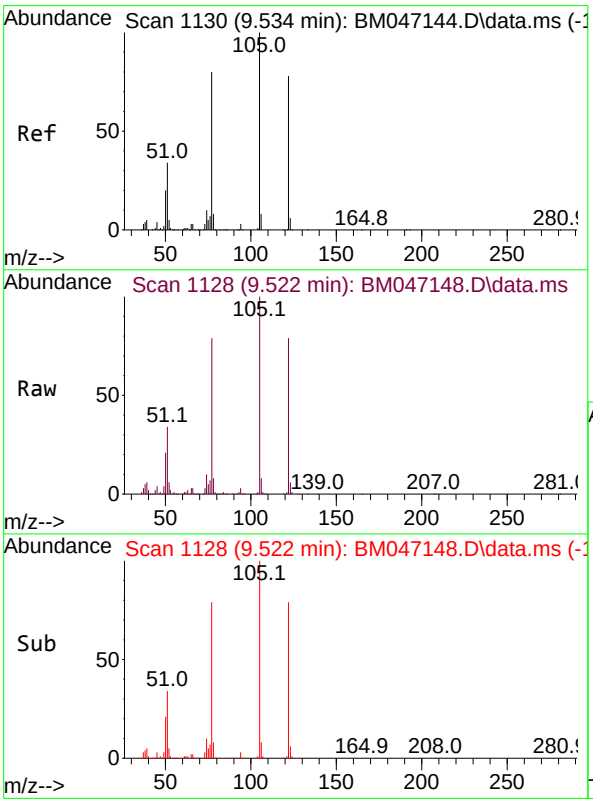
#31
Naphthalene
Concen: 38.564 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

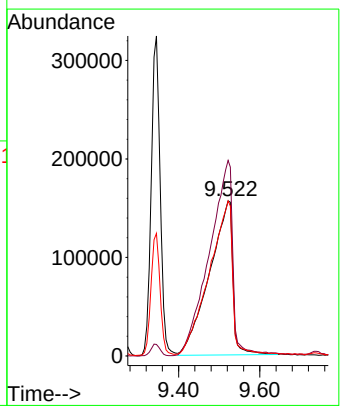


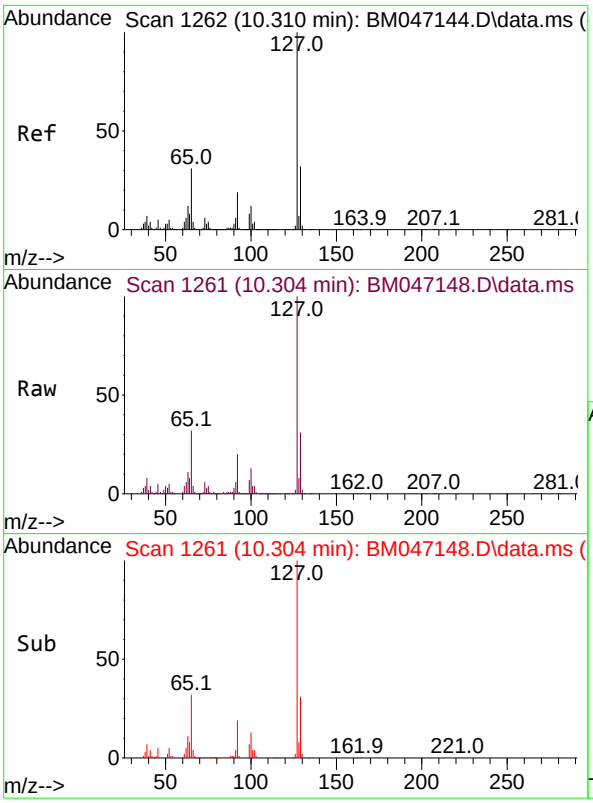


#32
Benzoic acid
Concen: 43.072 ng
RT: 9.522 min Scan# 1128
Delta R.T. -0.012 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



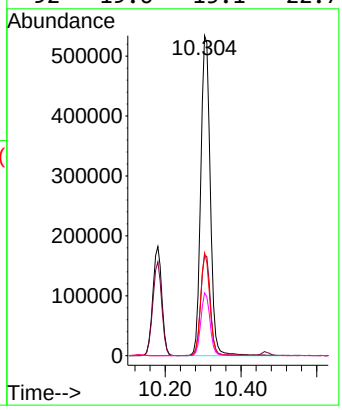


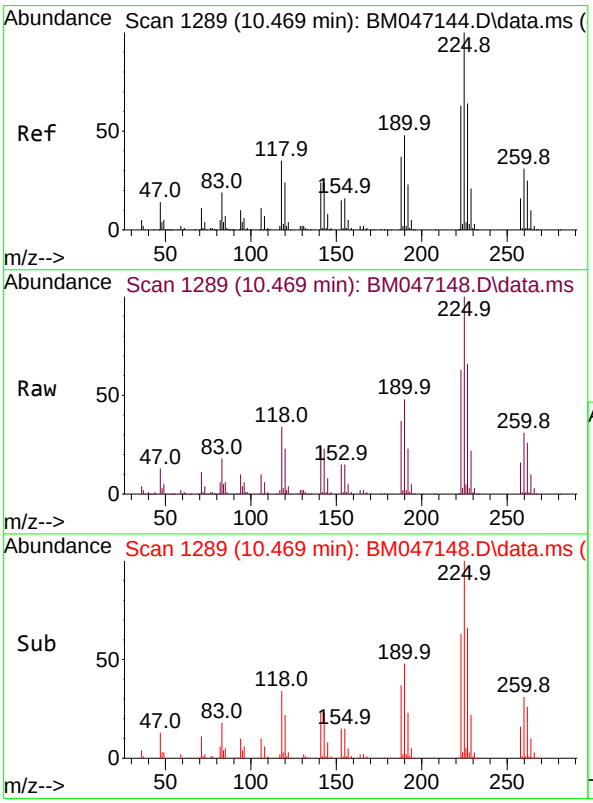
#33
4-Chloroaniline
Concen: 40.265 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

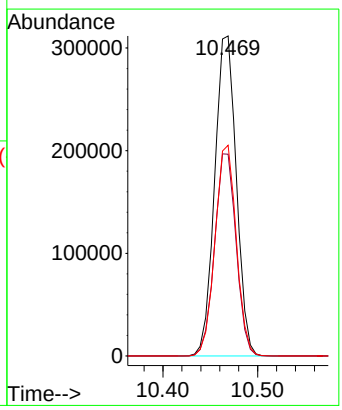


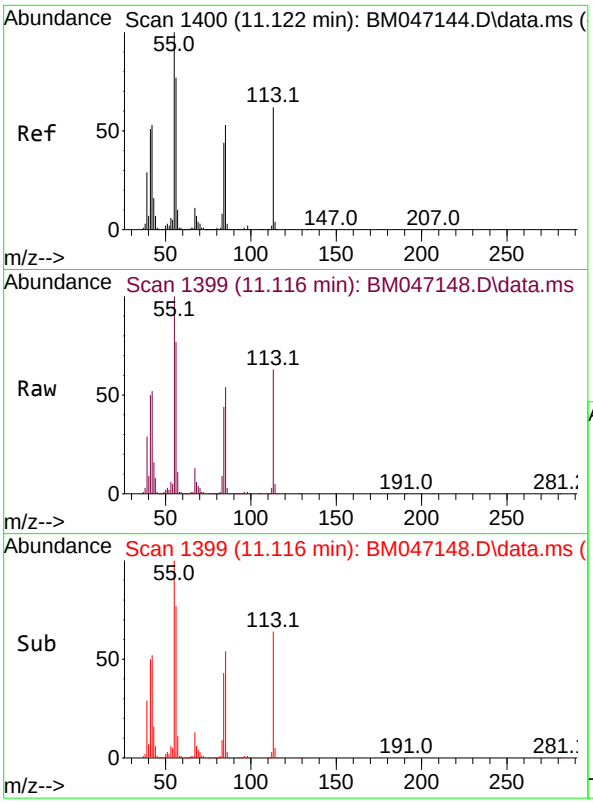


#34
Hexachlorobutadiene
Concen: 40.254 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



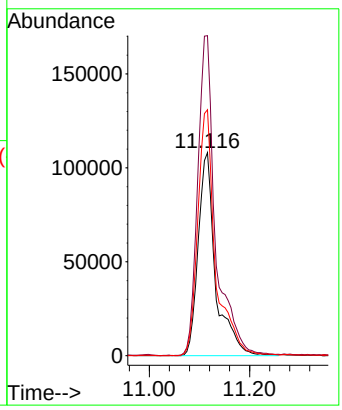


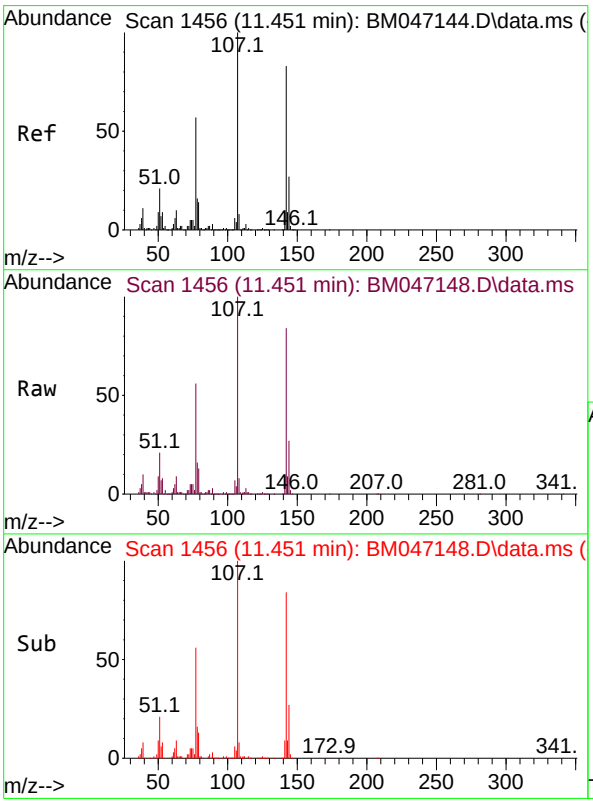
#35
Caprolactam
Concen: 40.543 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

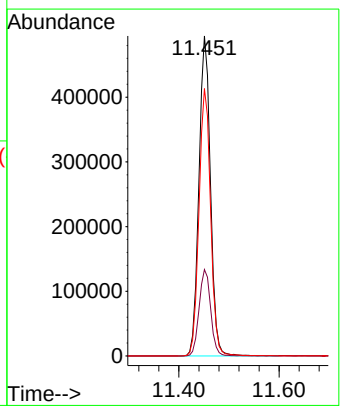


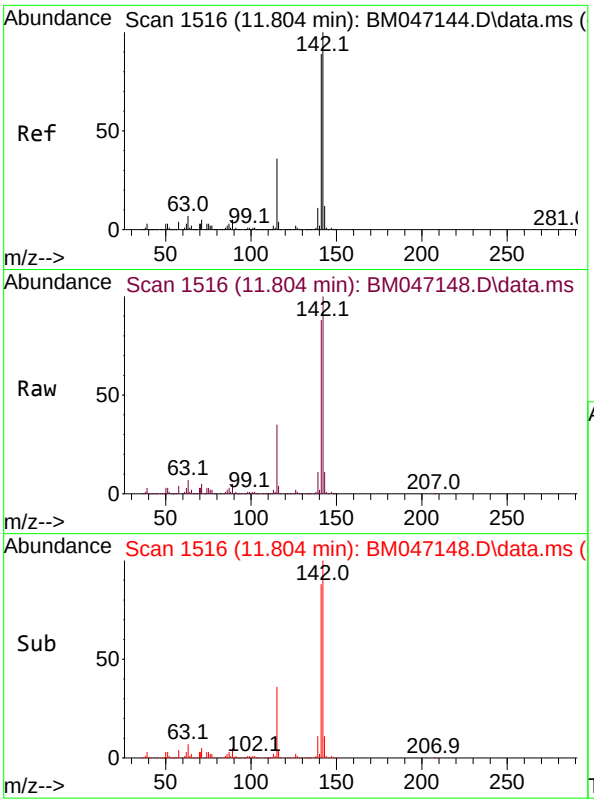


#36
4-Chloro-3-methylphenol
Concen: 39.811 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



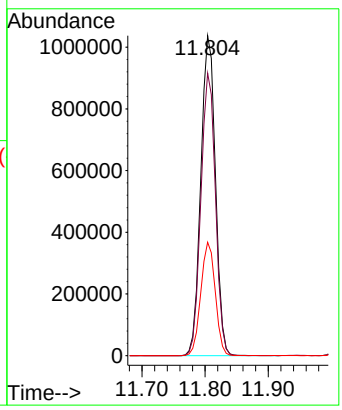


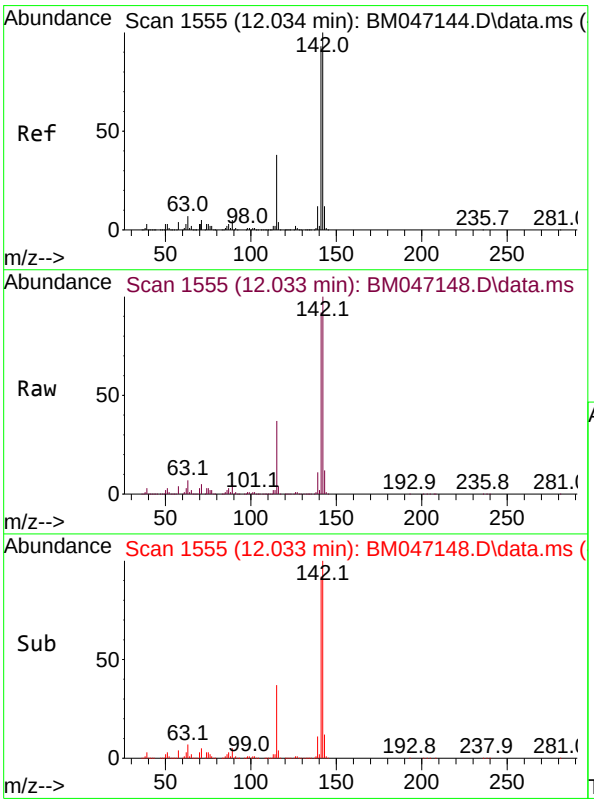
#37
2-Methylnaphthalene
Concen: 38.968 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

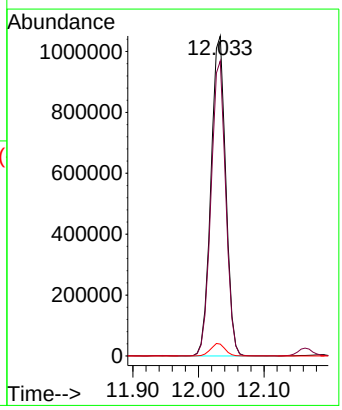


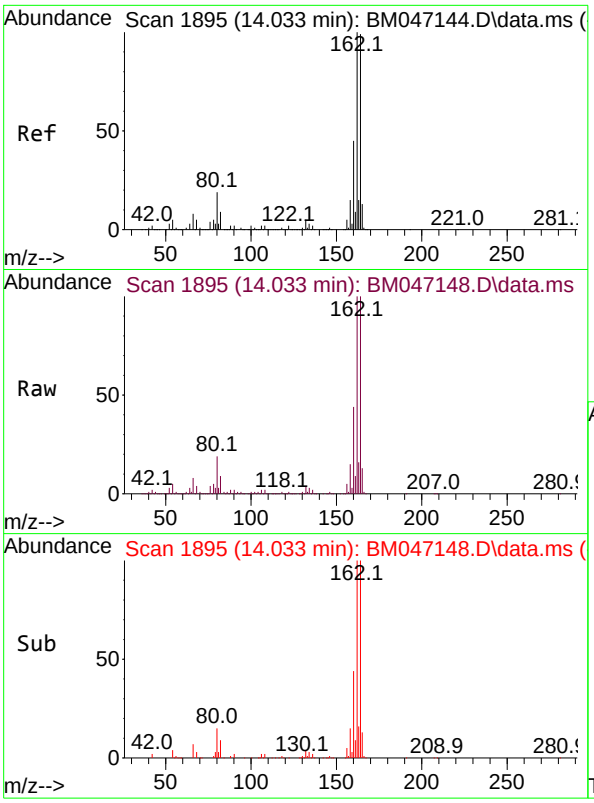


#38
1-Methylnaphthalene
Concen: 38.877 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



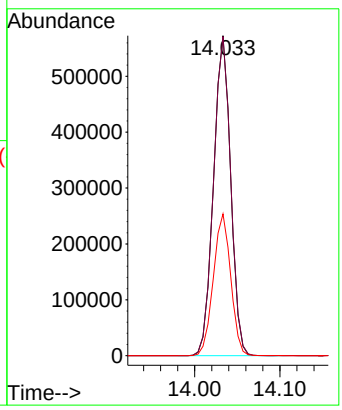


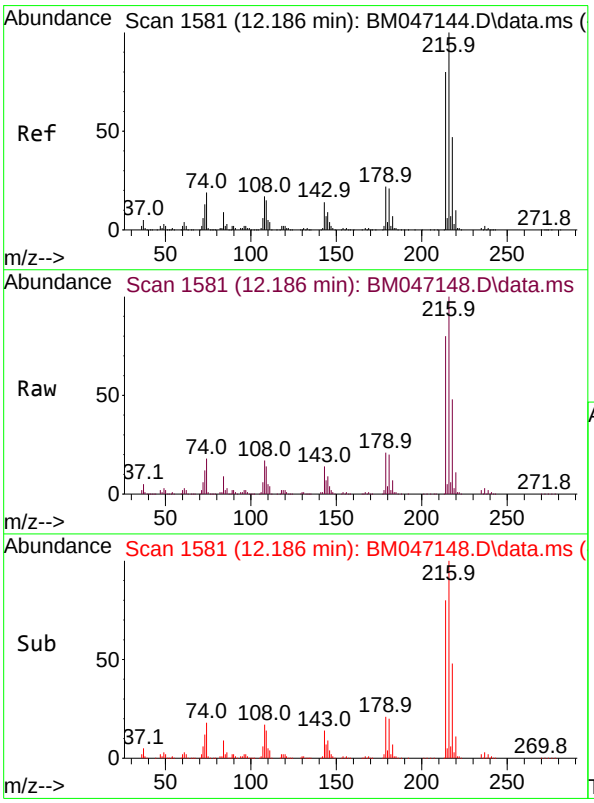
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

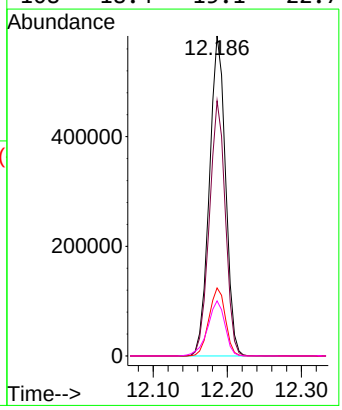


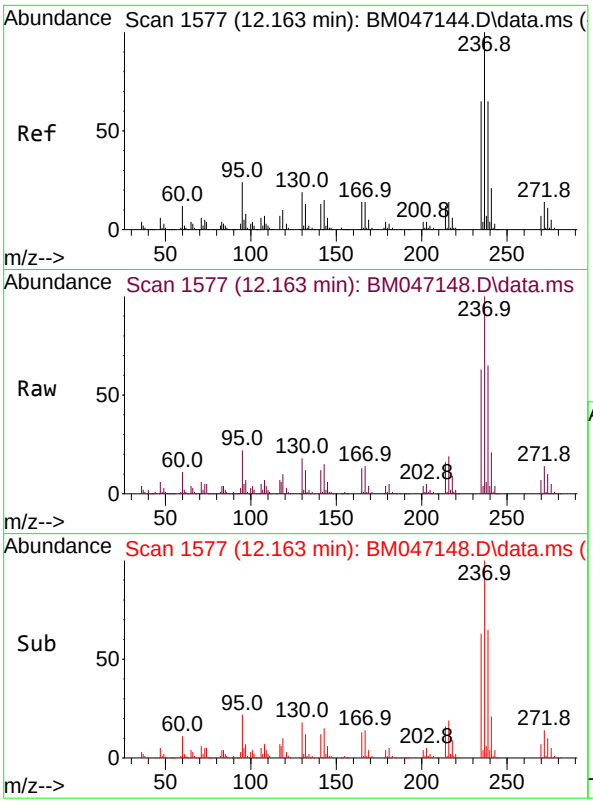


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.555 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



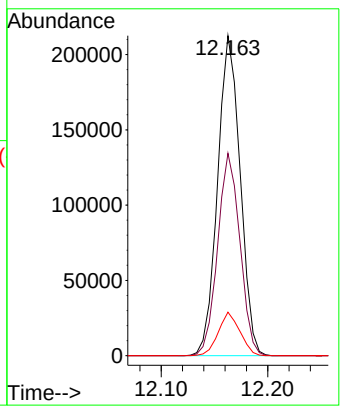


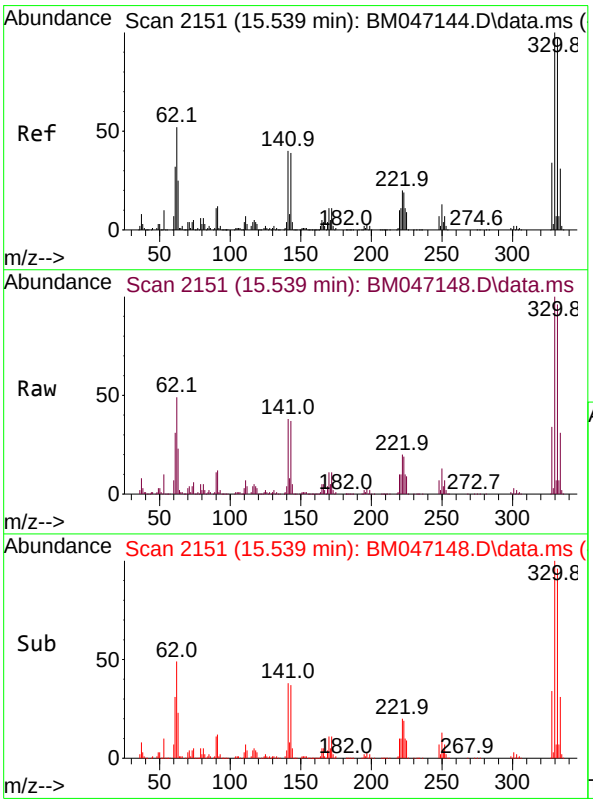
#41
Hexachlorocyclopentadiene
Concen: 41.042 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

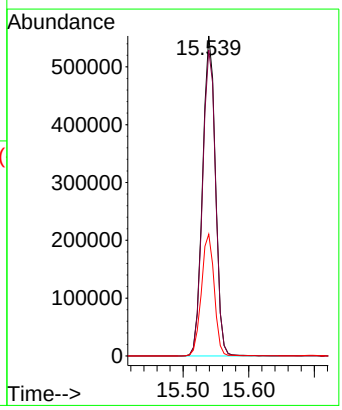


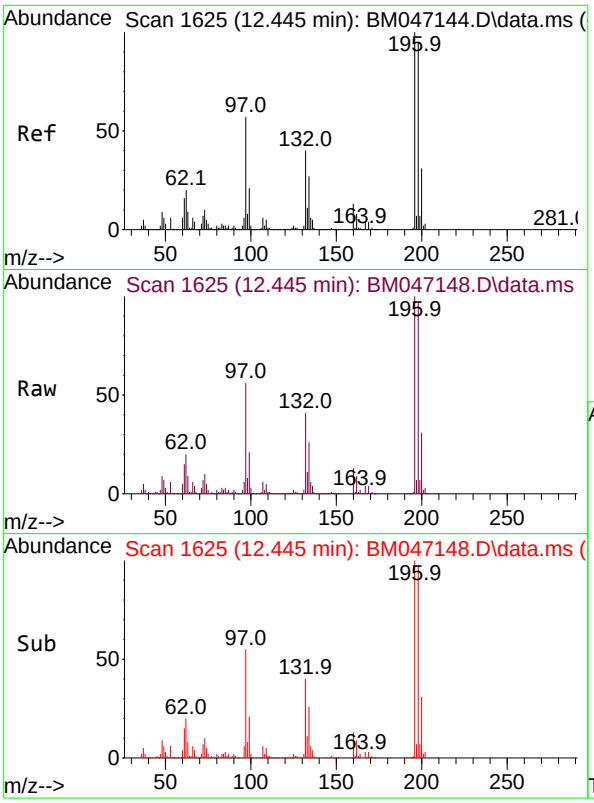


#42
2,4,6-Tribromophenol
Concen: 81.608 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



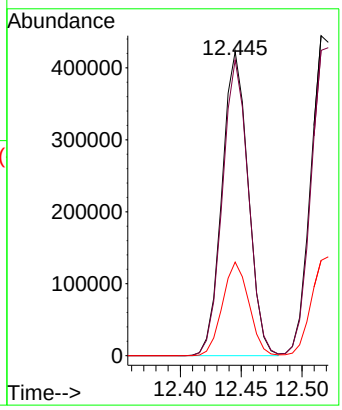


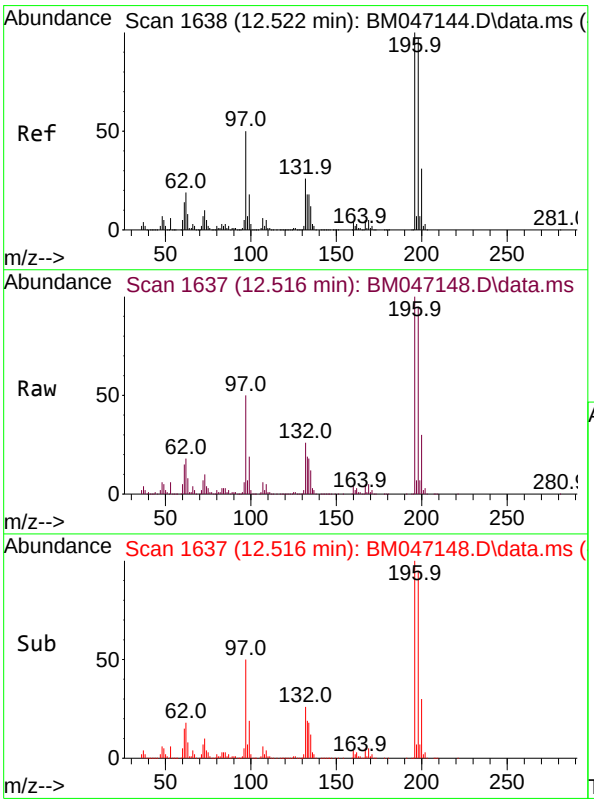
#43
2,4,6-Trichlorophenol
Concen: 40.777 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

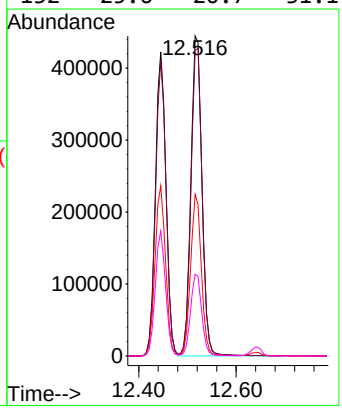


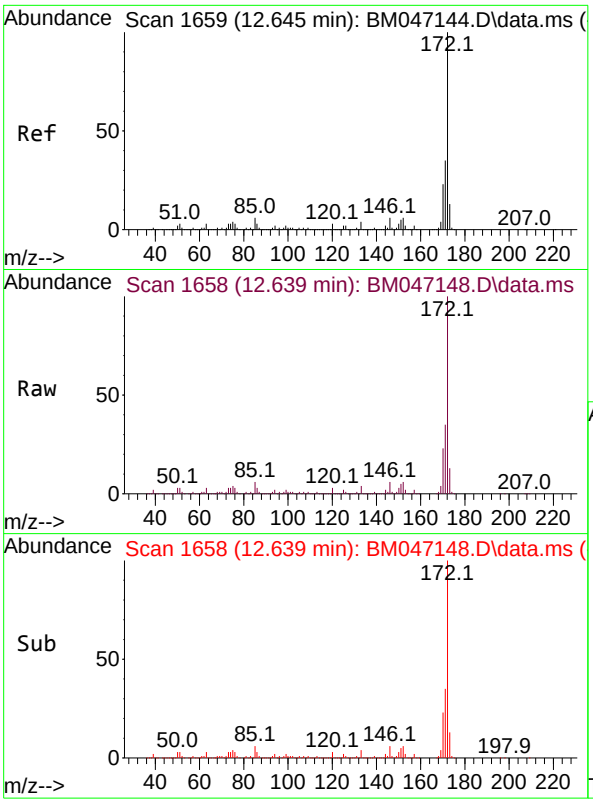


#44
2,4,5-Trichlorophenol
Concen: 41.066 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



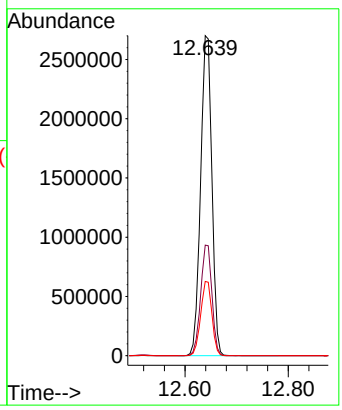


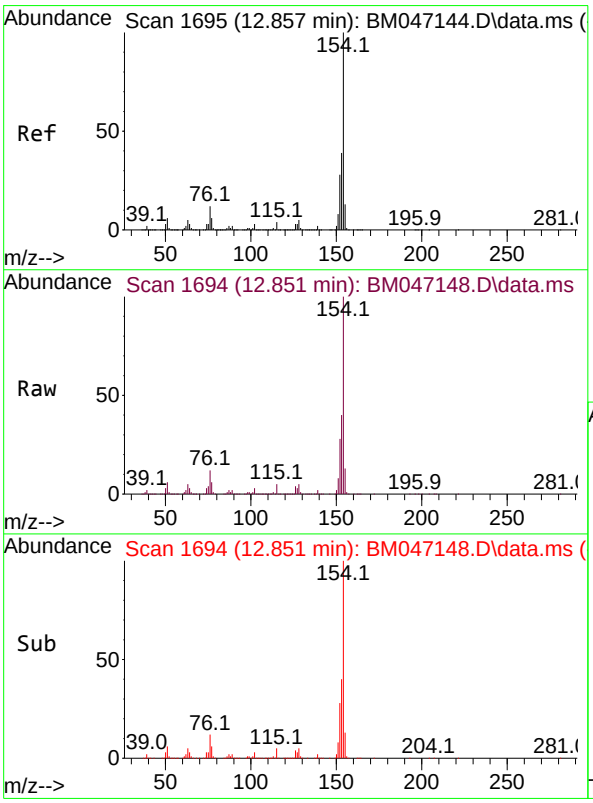
#45
2-Fluorobiphenyl
Concen: 78.722 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

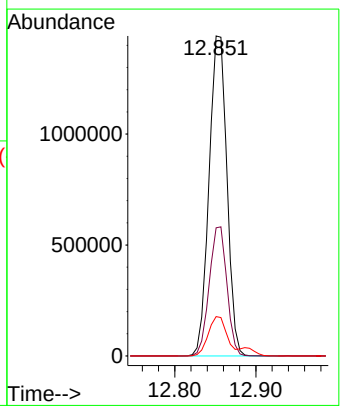


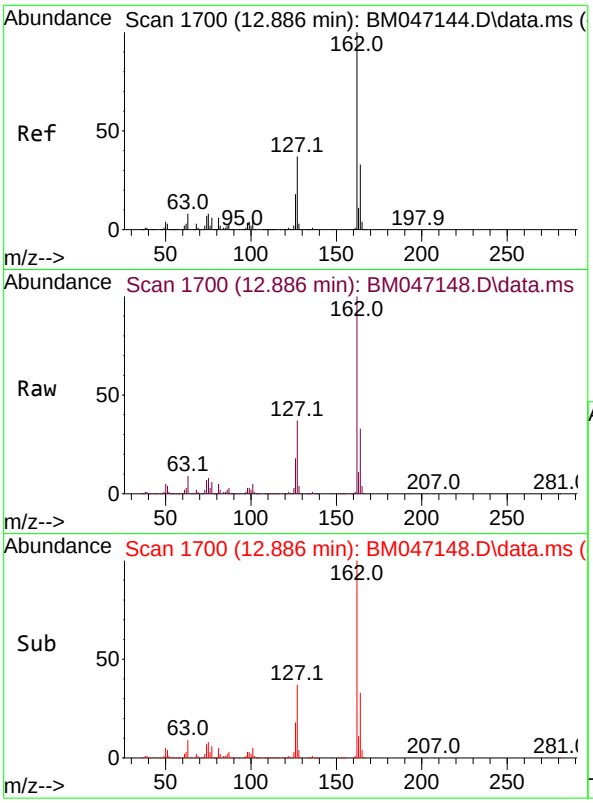


#46
1,1'-Biphenyl
Concen: 38.622 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



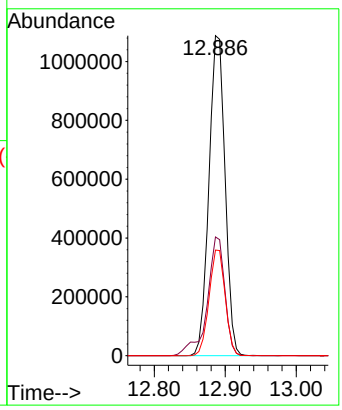


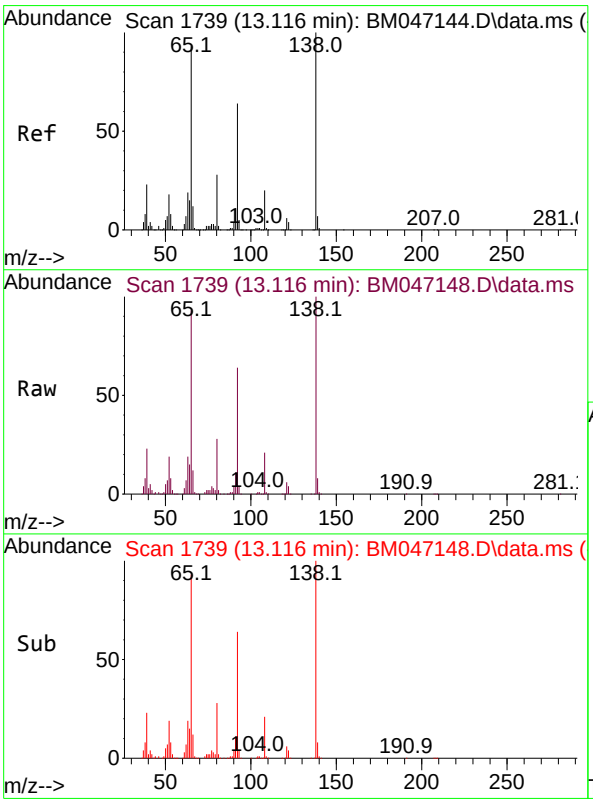
#47
2-Chloronaphthalene
Concen: 38.460 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

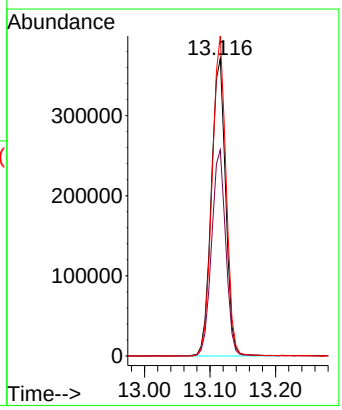


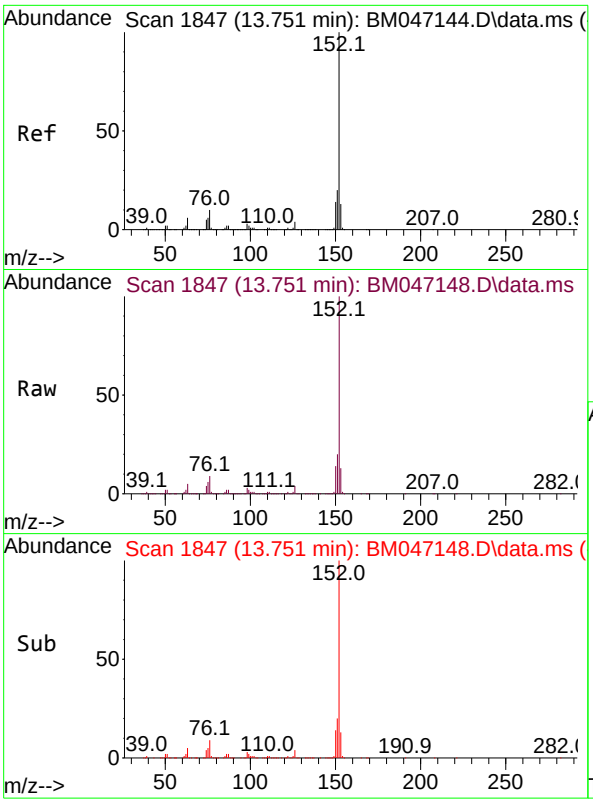


#48
2-Nitroaniline
Concen: 40.230 ng
RT: 13.116 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



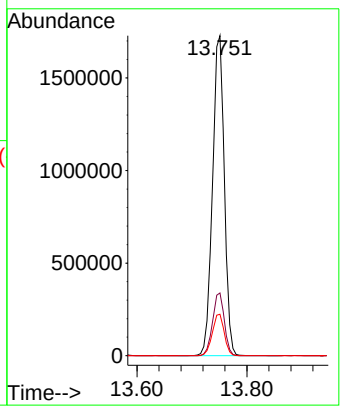


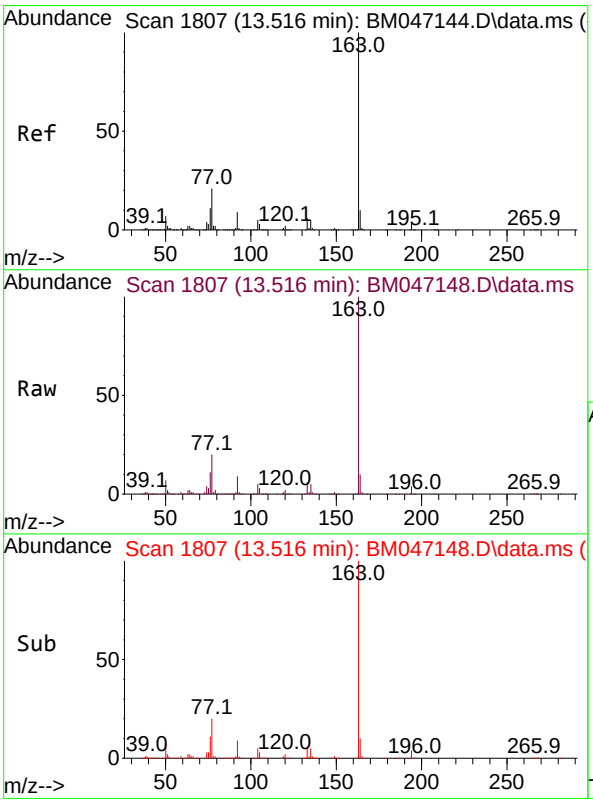
#49
Acenaphthylene
Concen: 39.270 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

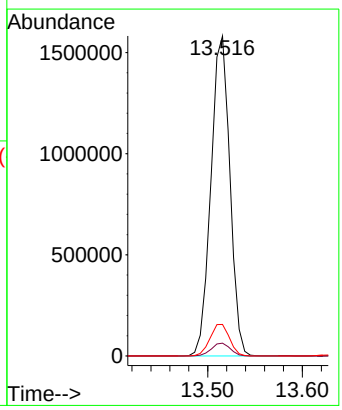


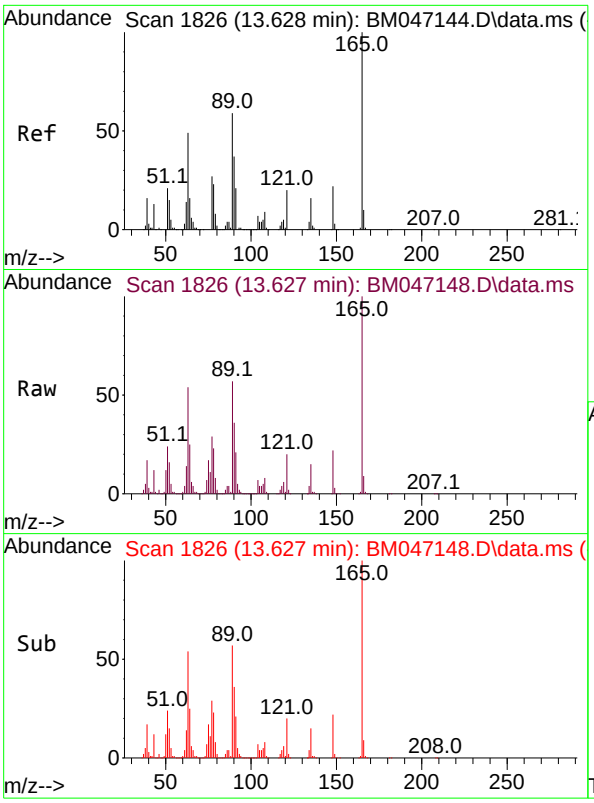


#50
Dimethylphthalate
Concen: 39.364 ng
RT: 13.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



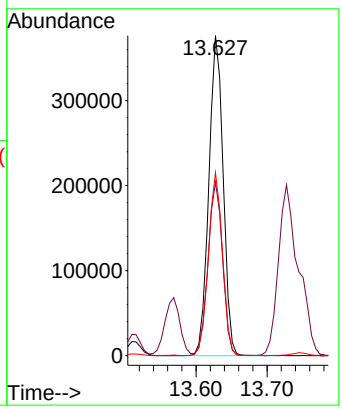


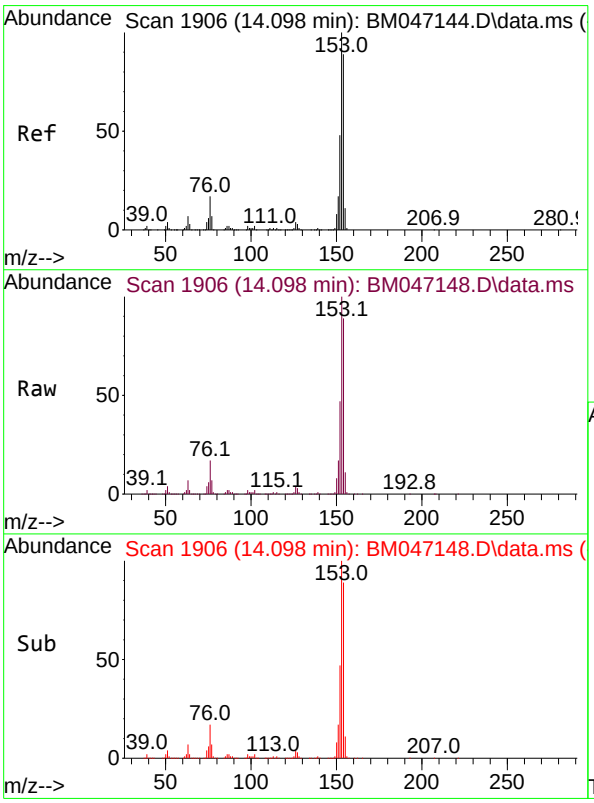
#51
2,6-Dinitrotoluene
Concen: 40.338 ng
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

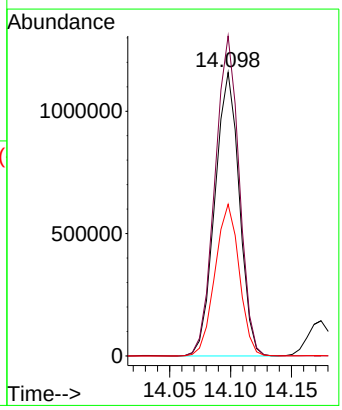


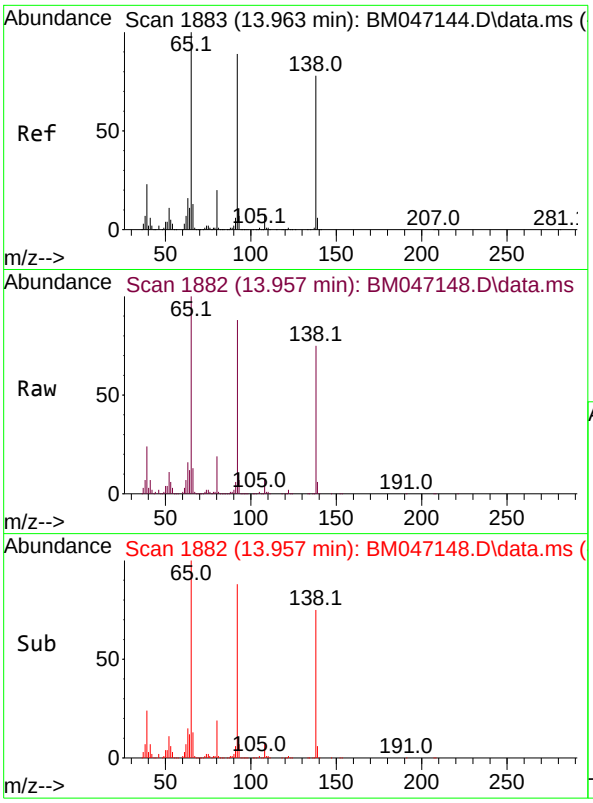


#52
Acenaphthene
Concen: 38.828 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



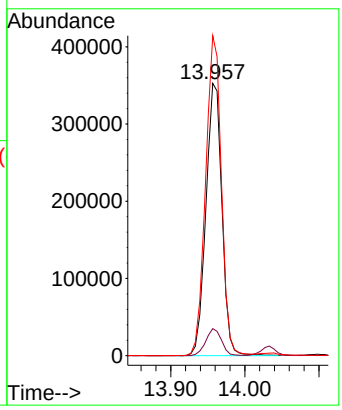


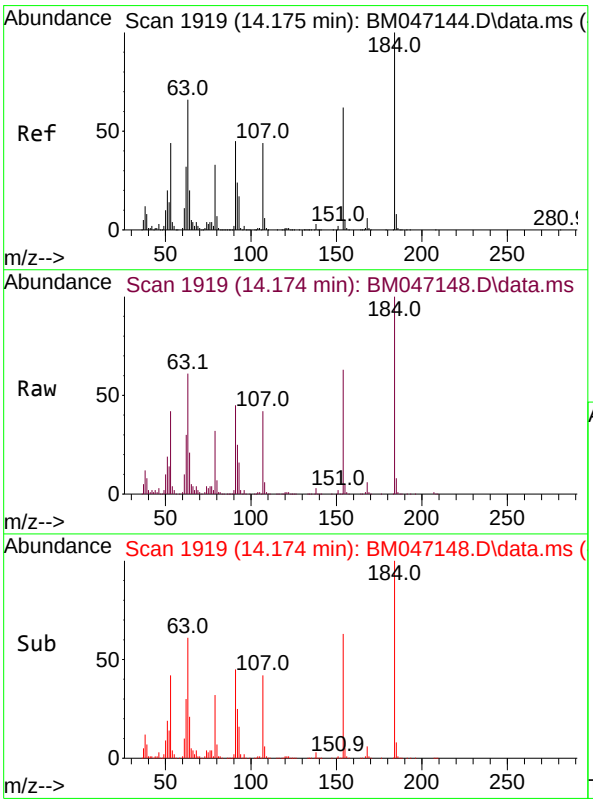
#53
3-Nitroaniline
Concen: 40.443 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

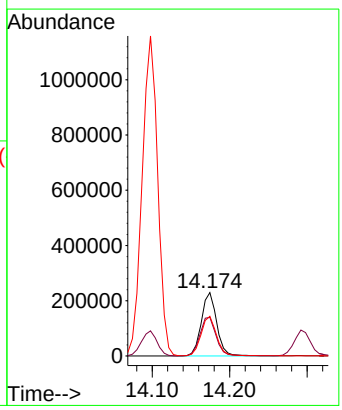


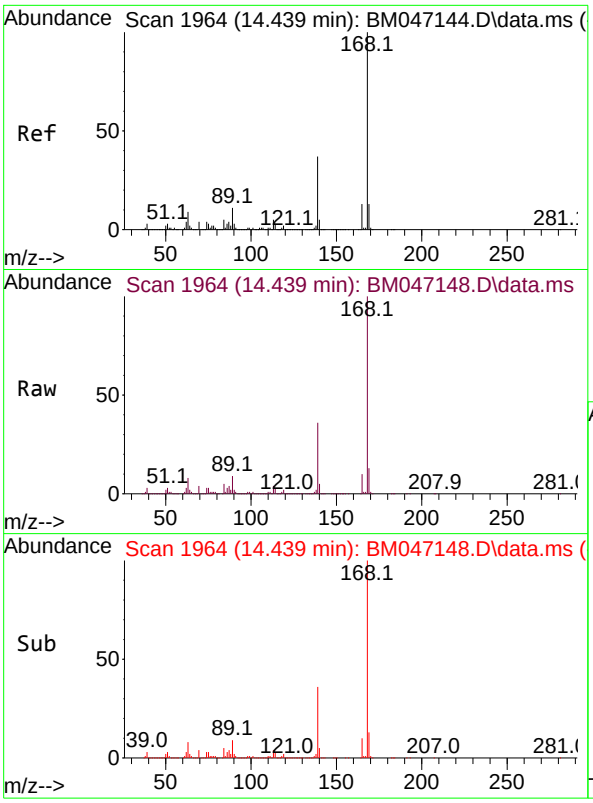


#54
2,4-Dinitrophenol
Concen: 40.314 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



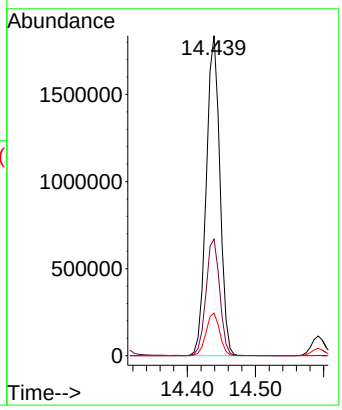


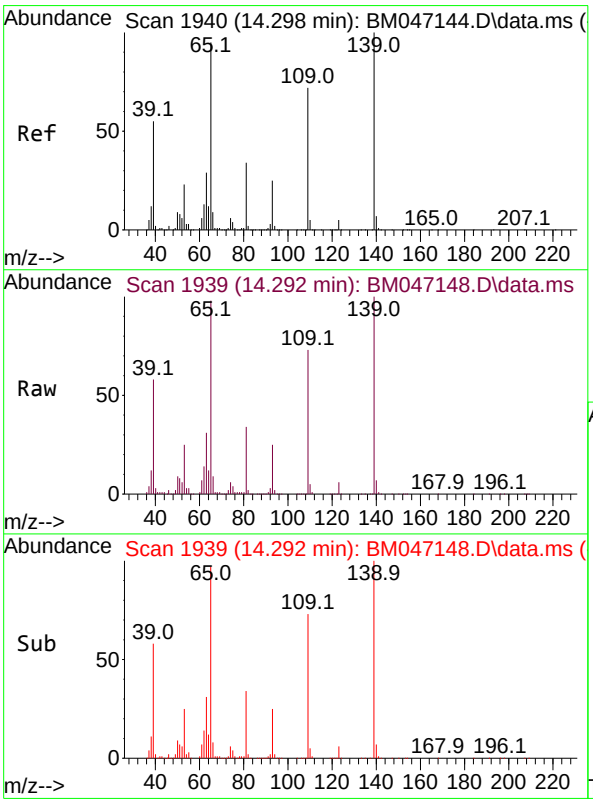
#55
Dibenzofuran
Concen: 38.784 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

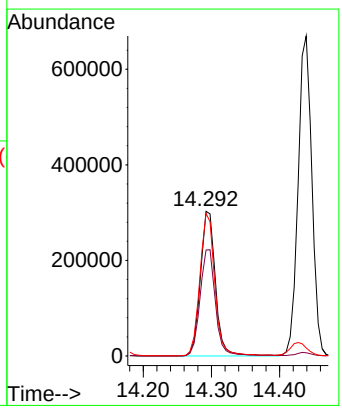


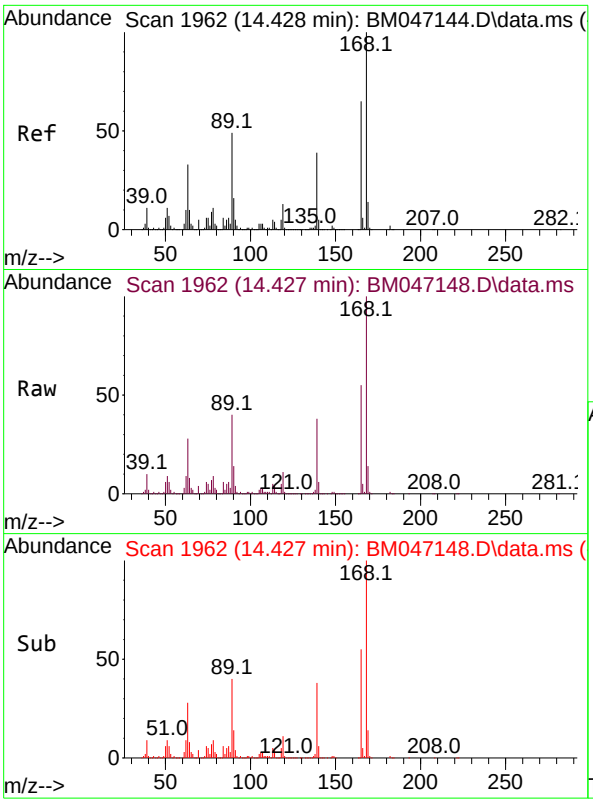


#56
4-Nitrophenol
Concen: 41.349 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



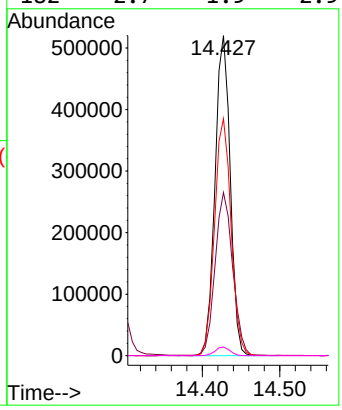


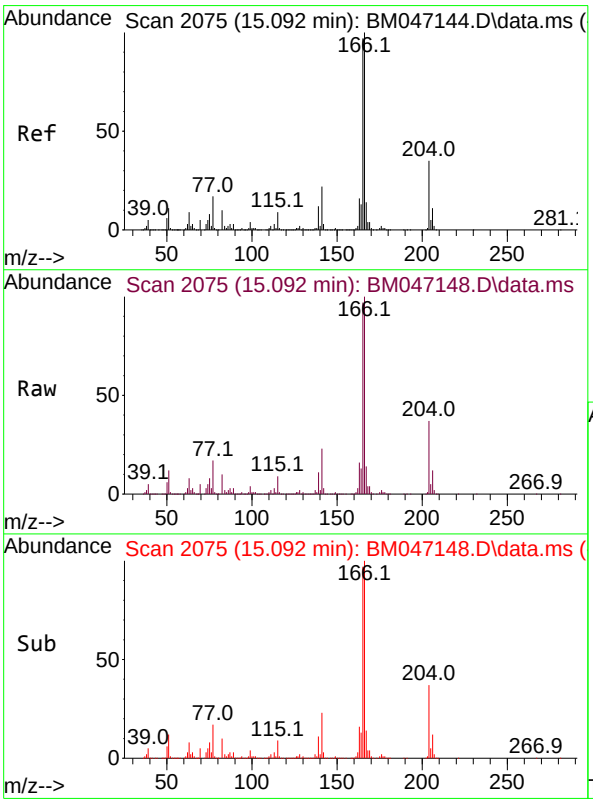
#57
2,4-Dinitrotoluene
Concen: 40.635 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

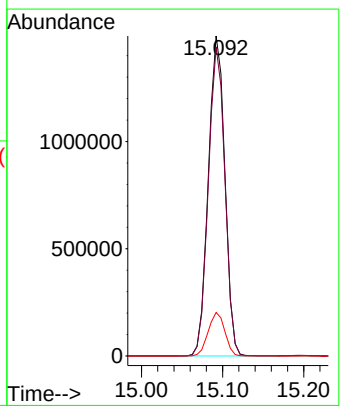


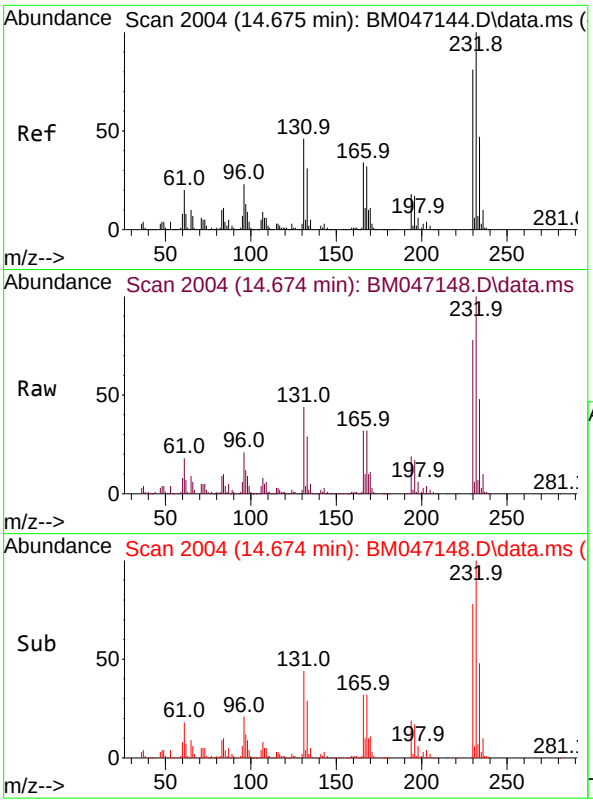


#58
Fluorene
Concen: 38.859 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



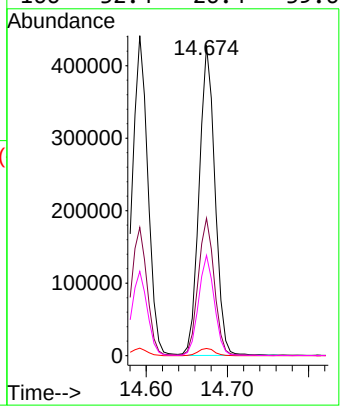


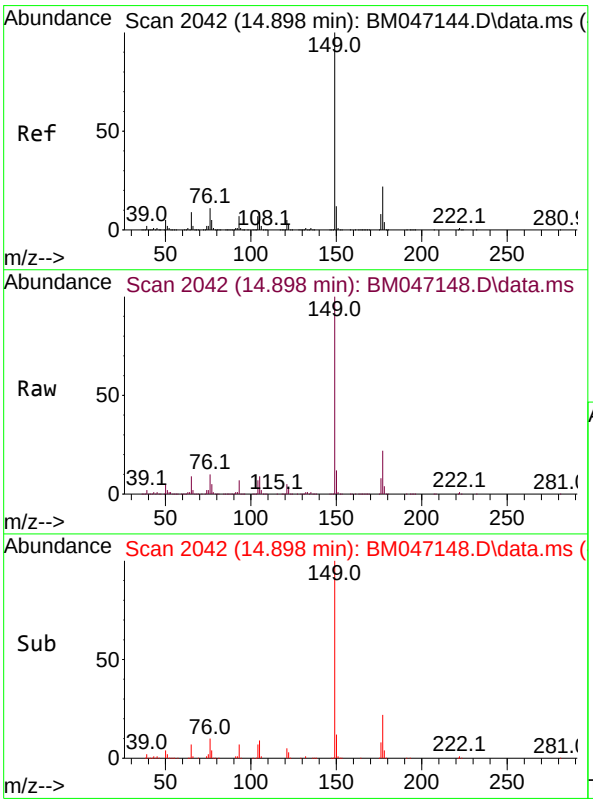
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.787 ng
RT: 14.674 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

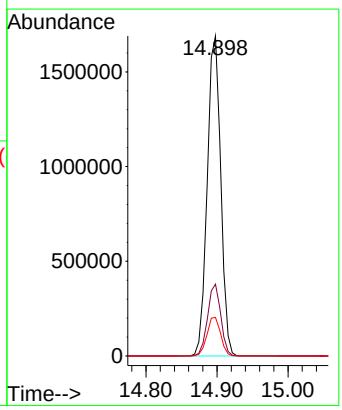


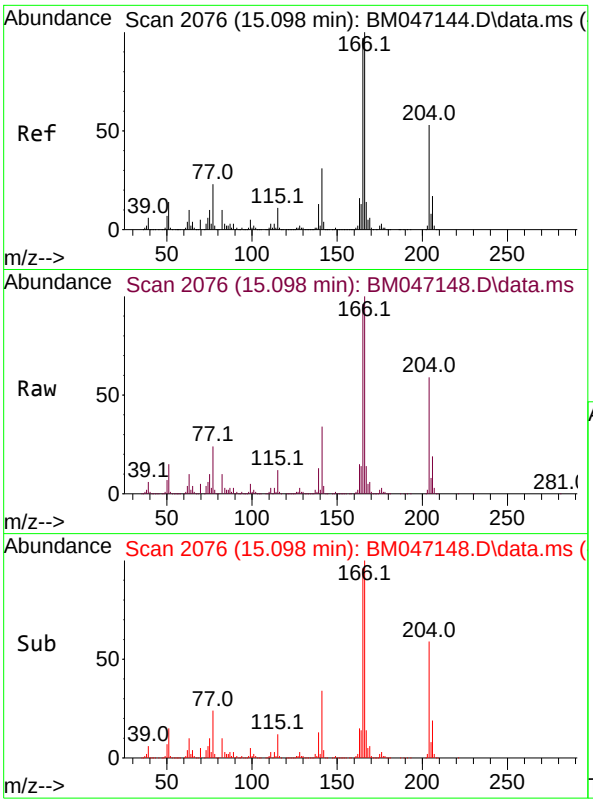


#60
Diethylphthalate
Concen: 39.122 ng
RT: 14.898 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



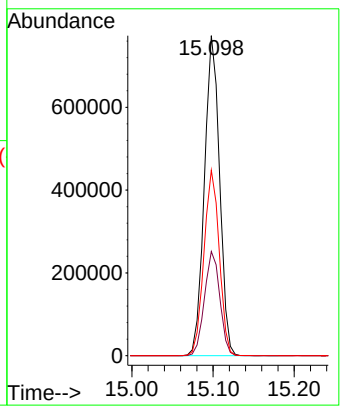


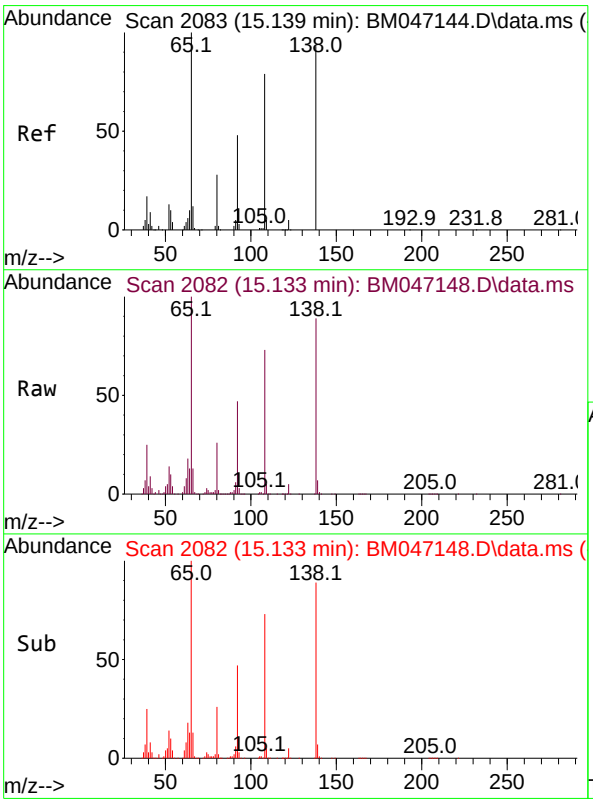
#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

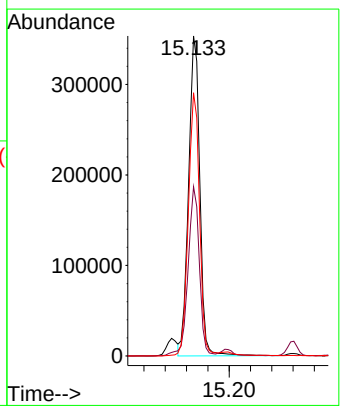


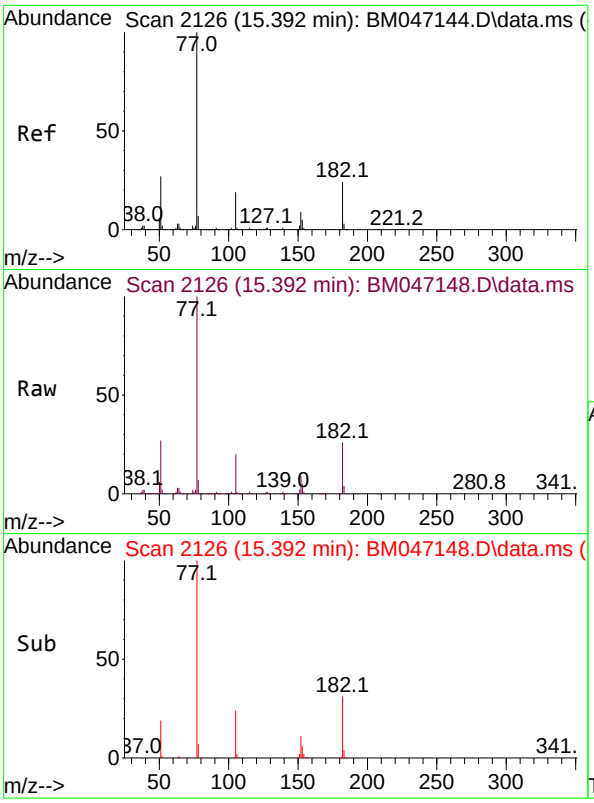


#62
4-Nitroaniline
Concen: 40.127 ng
RT: 15.133 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



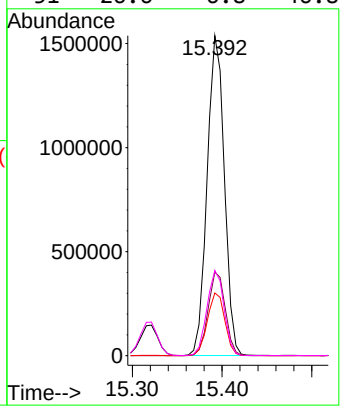


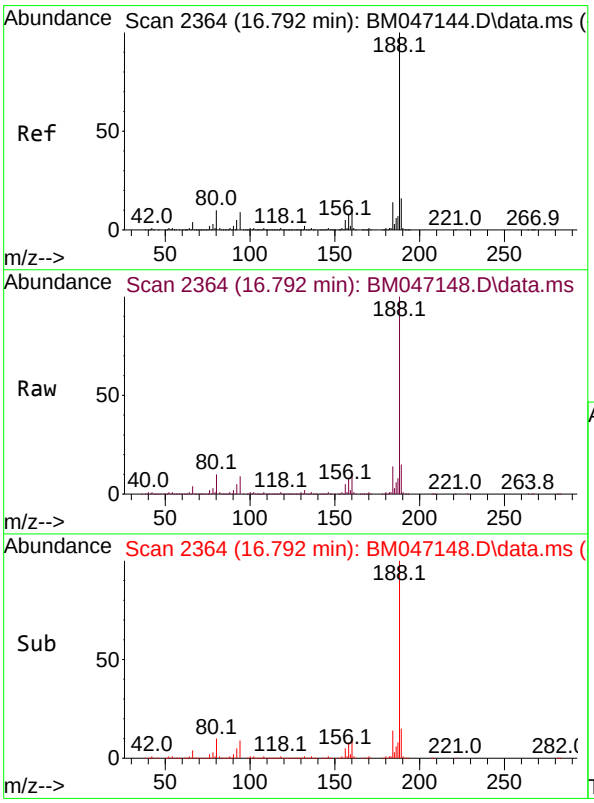
#63
Azobenzene
Concen: 37.854 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

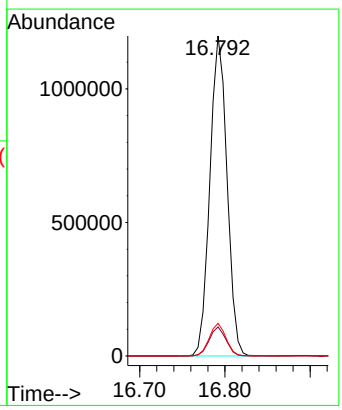


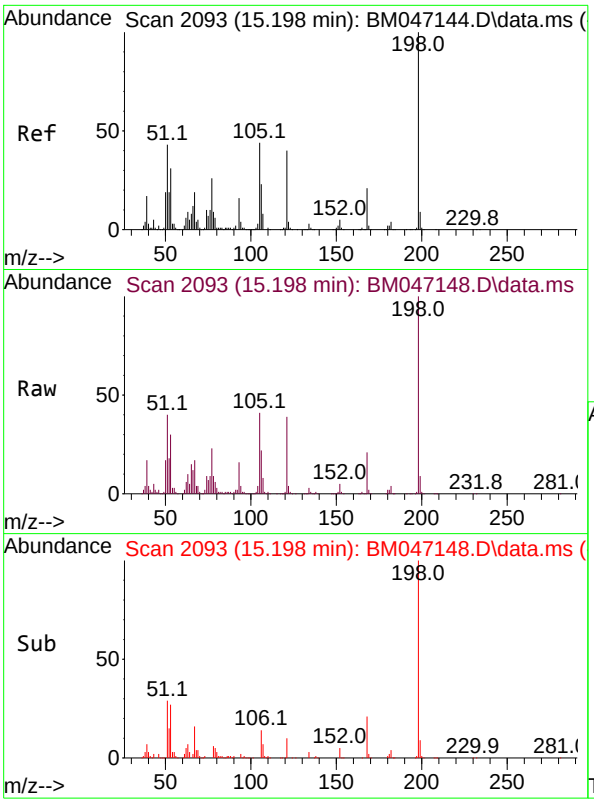


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



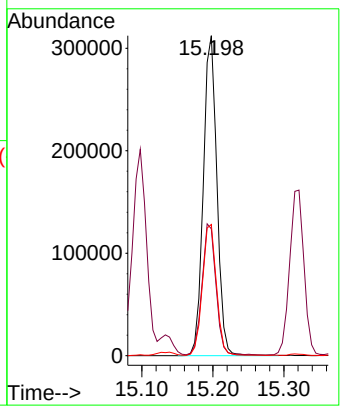


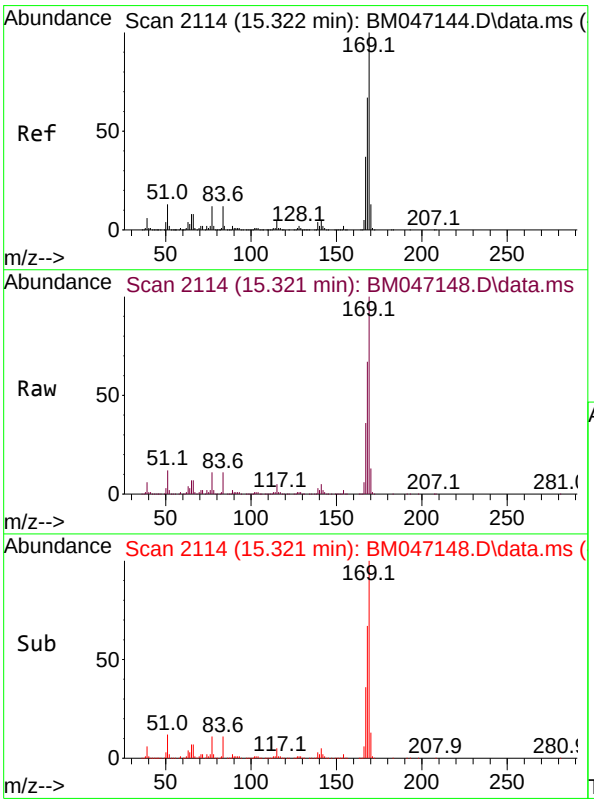
#65
4,6-Dinitro-2-methylphenol
Concen: 42.500 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

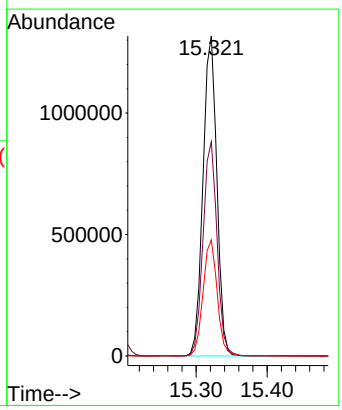


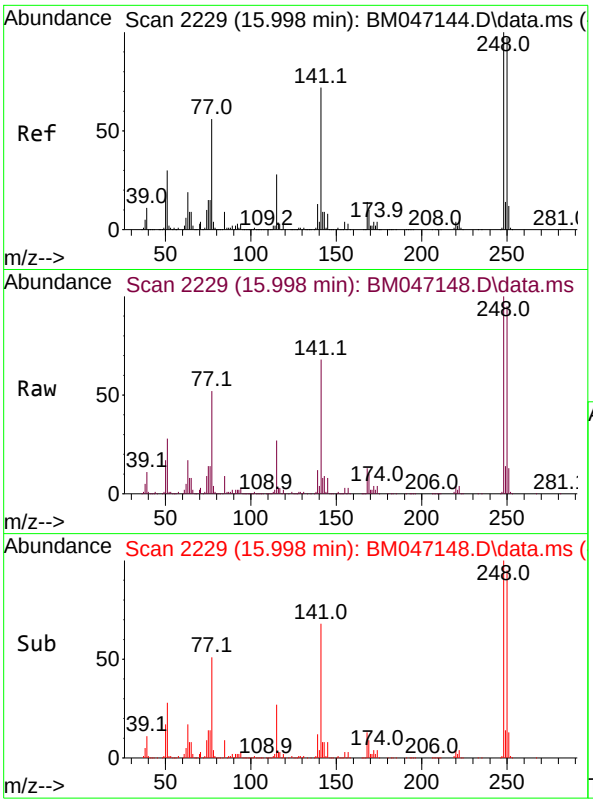


#66
n-Nitrosodiphenylamine
Concen: 39.293 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



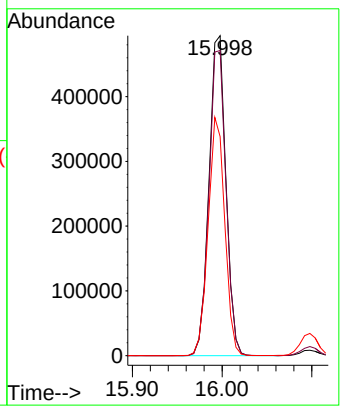


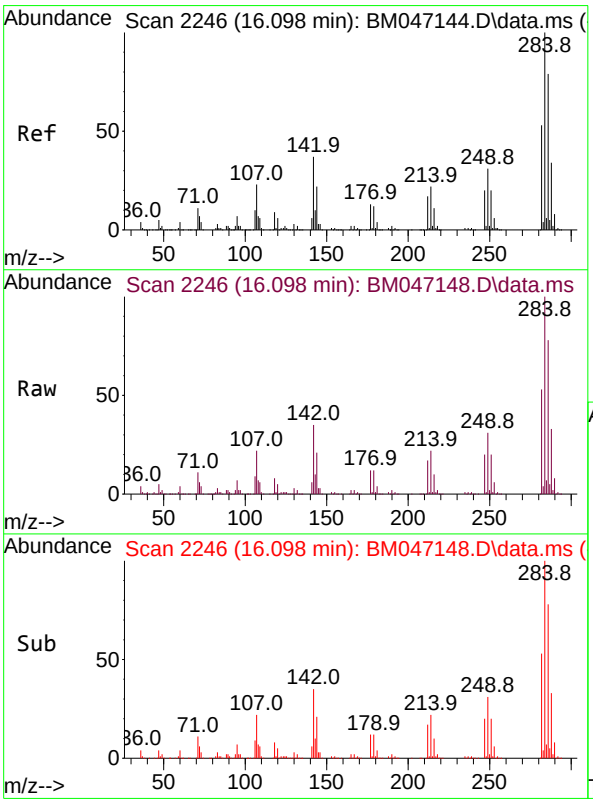
#67
4-Bromophenyl-phenylether
Concen: 40.155 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

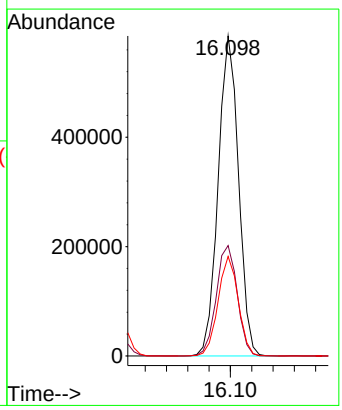


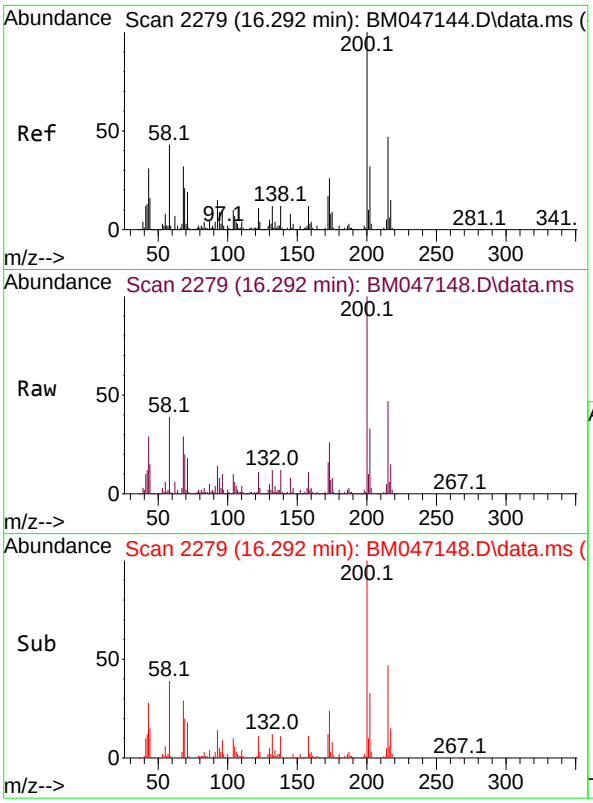


#68
Hexachlorobenzene
Concen: 40.130 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



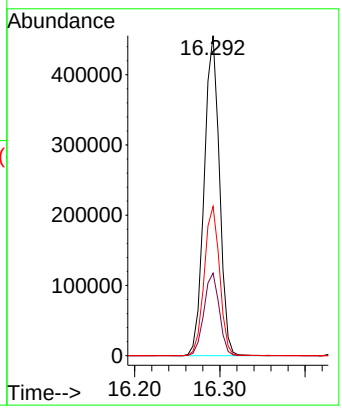


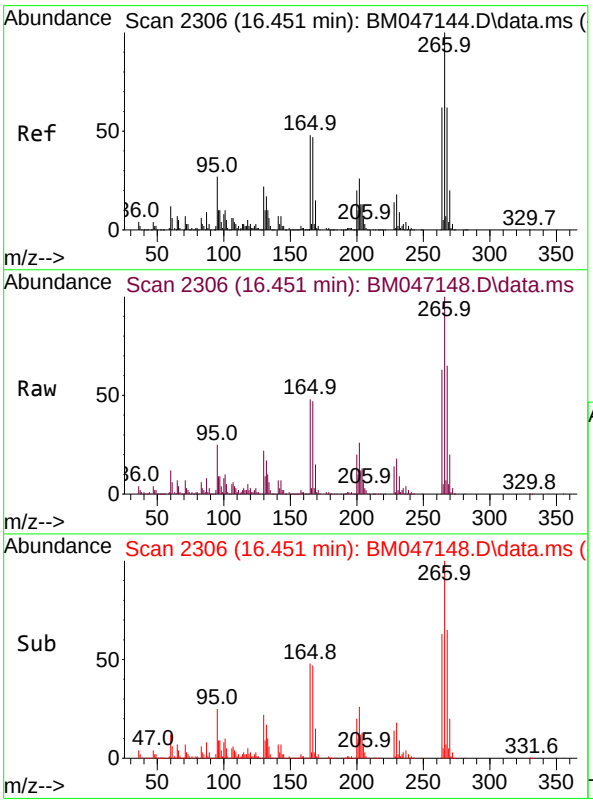
#69
Atrazine
Concen: 41.312 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

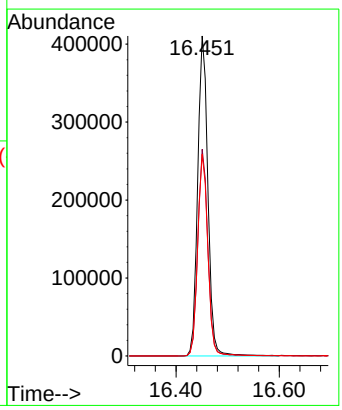


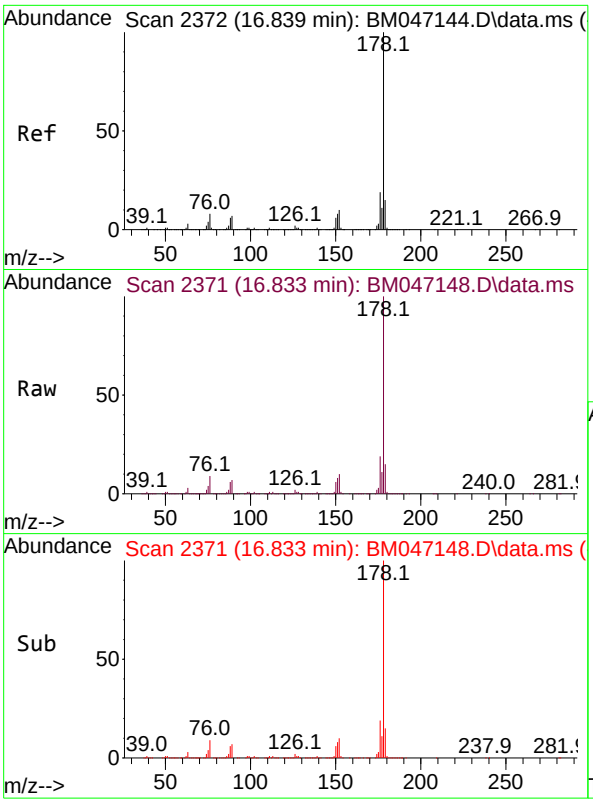


#70
Pentachlorophenol
Concen: 41.470 ng
RT: 16.451 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



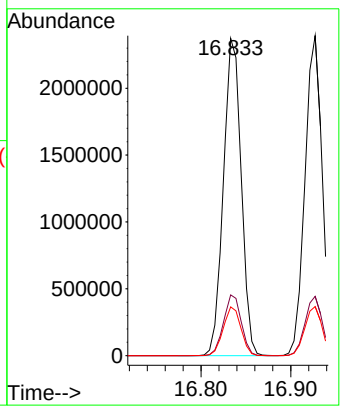


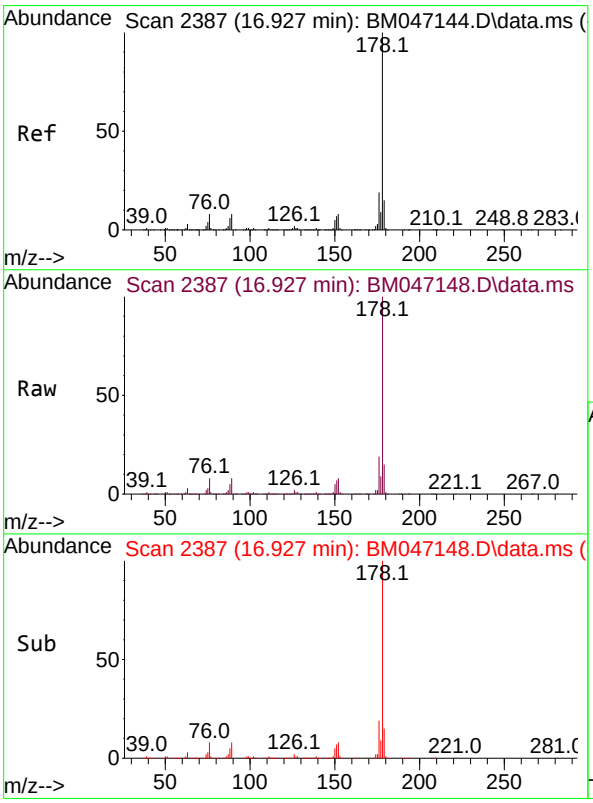
#71
Phenanthrene
Concen: 38.967 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

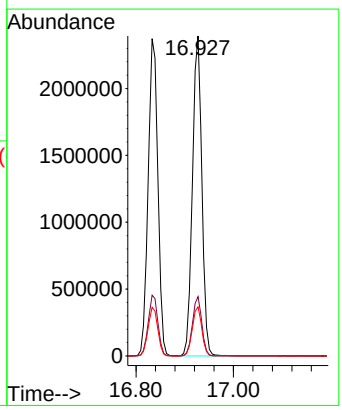


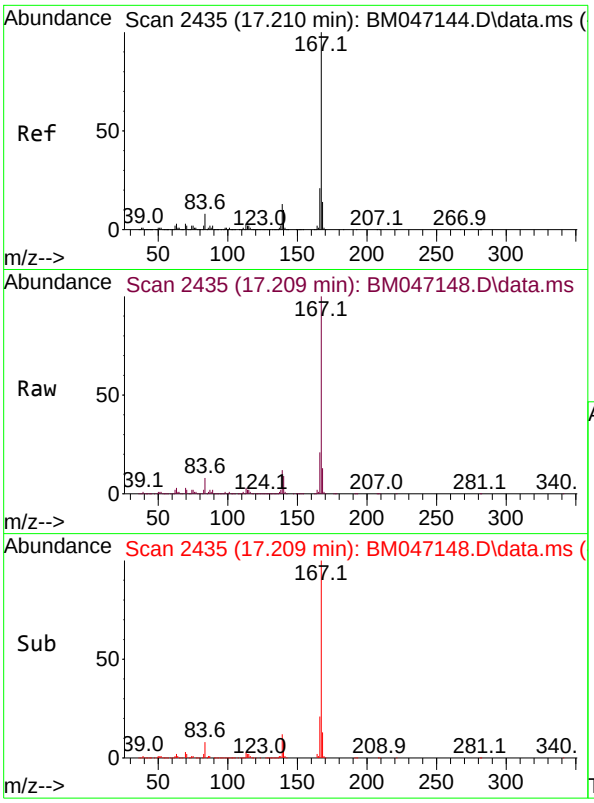


#72
Anthracene
Concen: 39.620 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



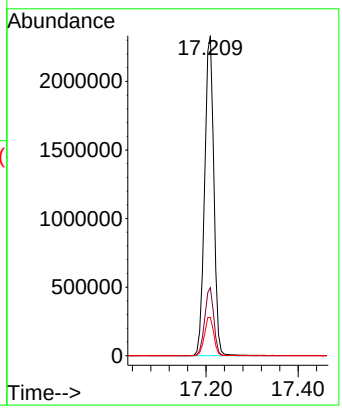


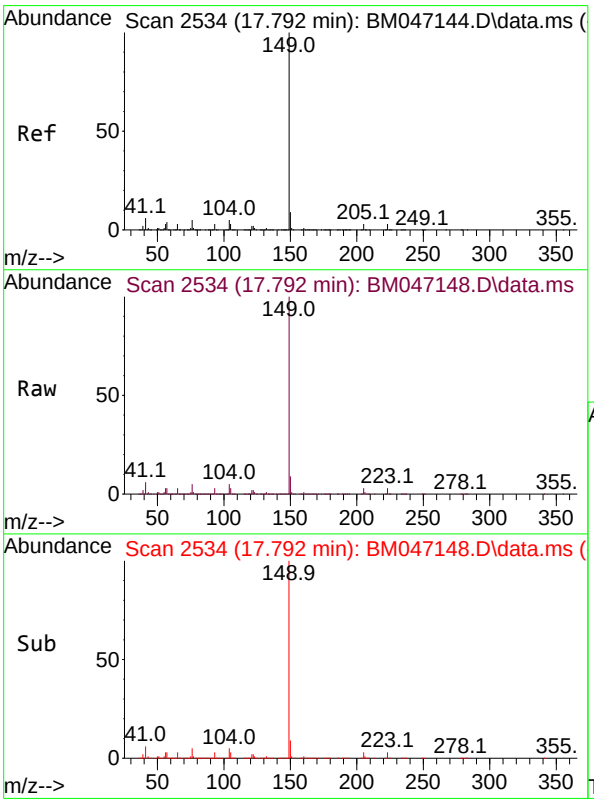
#73
Carbazole
Concen: 39.108 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

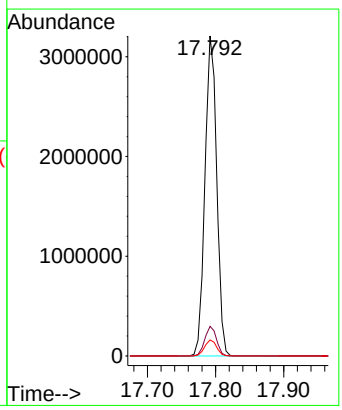


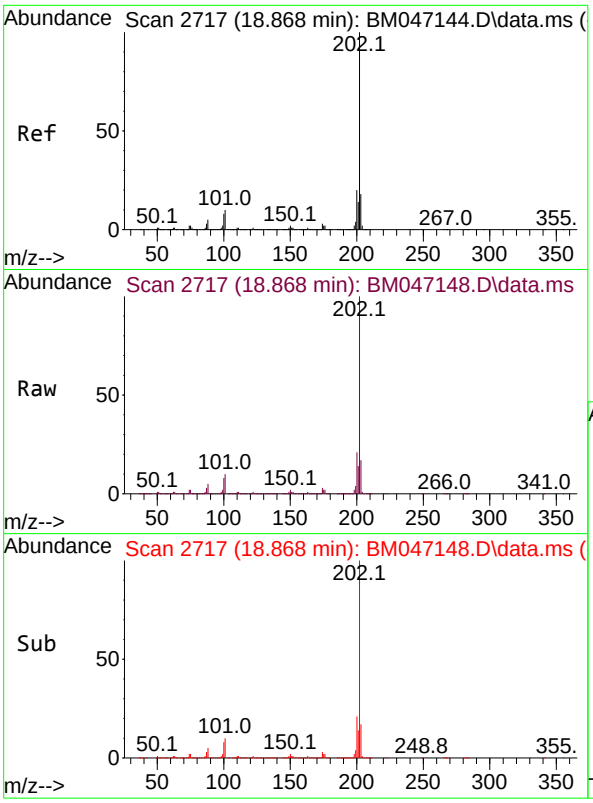


#74
Di-n-butylphthalate
Concen: 39.675 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



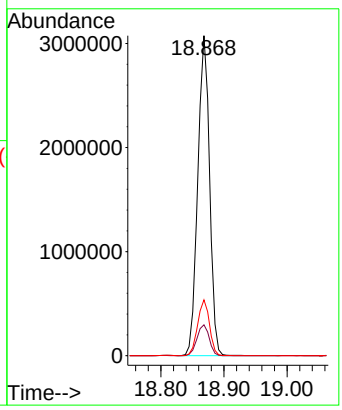


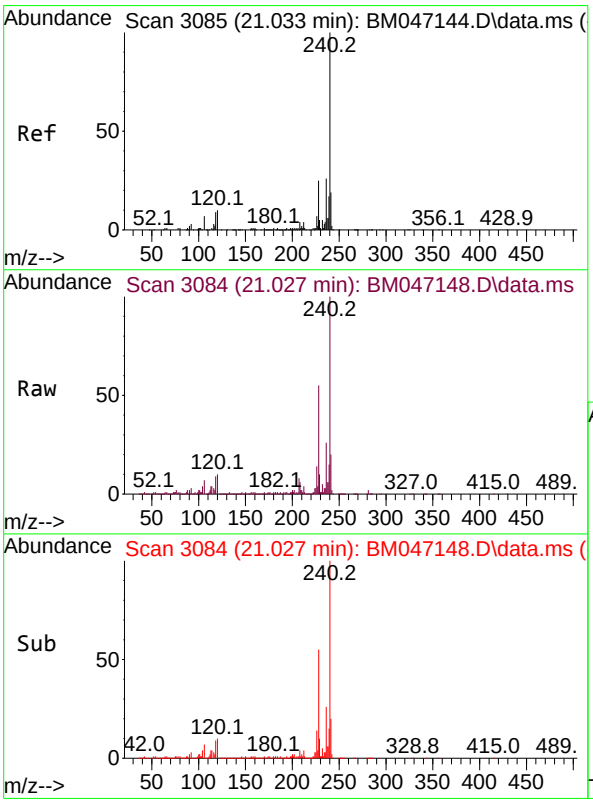
#75
Fluoranthene
Concen: 38.982 ng
RT: 18.868 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

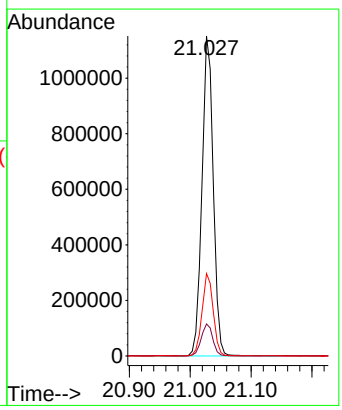


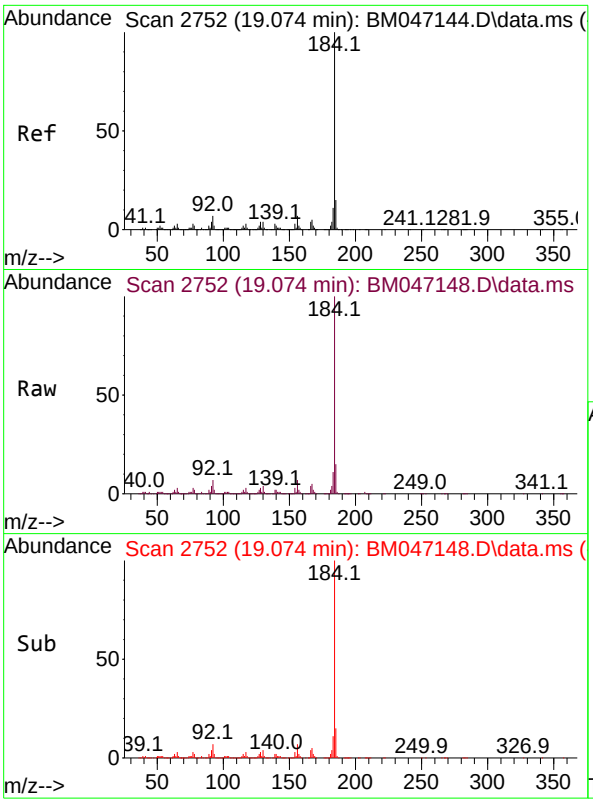


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



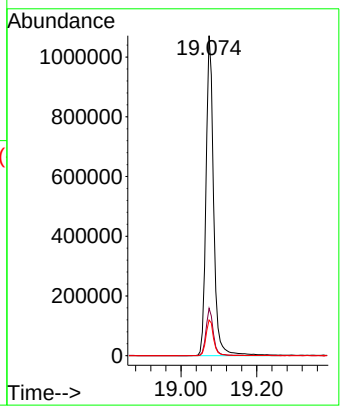


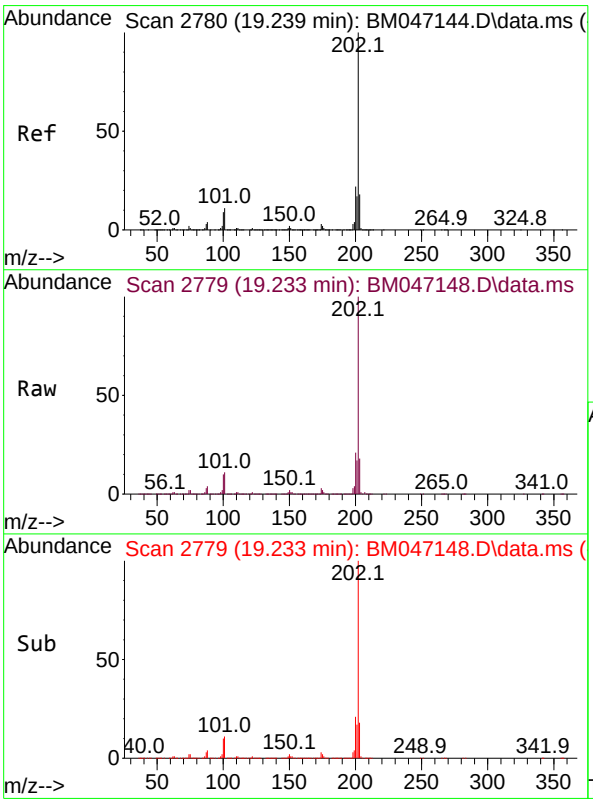
#77
Benzidine
Concen: 59.321 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

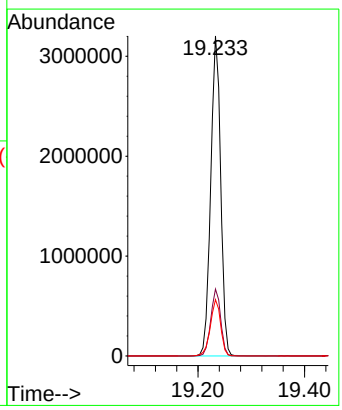


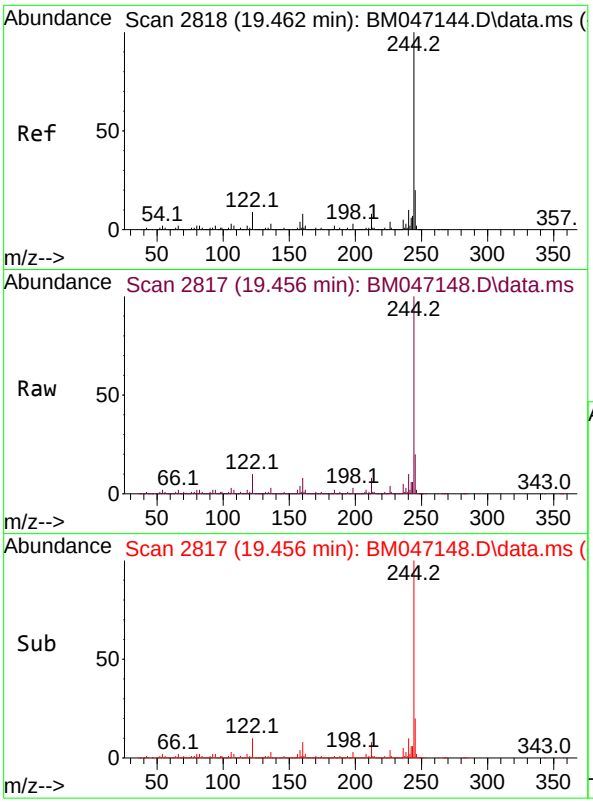


#78
Pyrene
Concen: 39.331 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



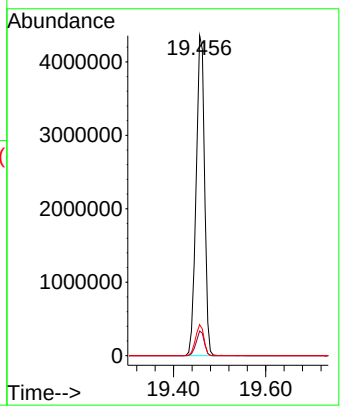


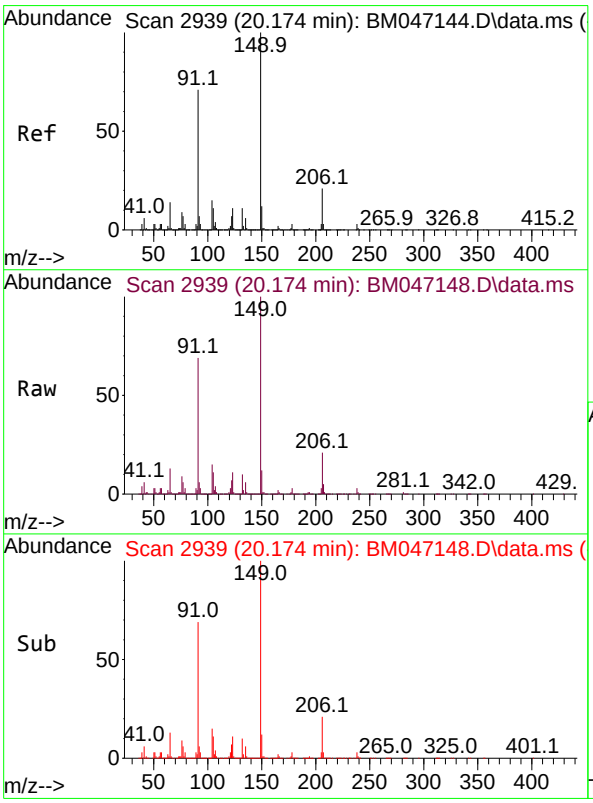
#79
Terphenyl-d14
Concen: 79.687 ng
RT: 19.456 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

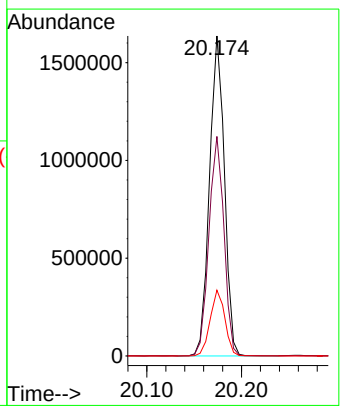


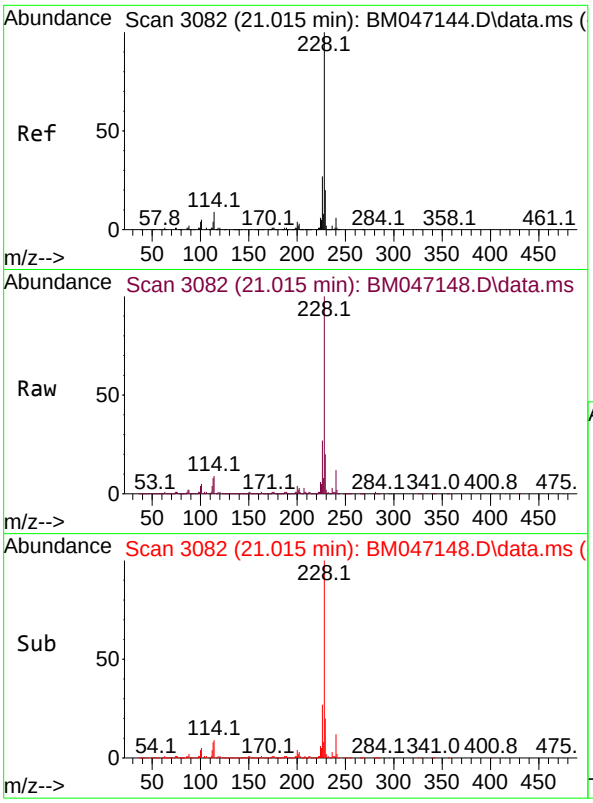


#80
Butylbenzylphthalate
Concen: 41.291 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



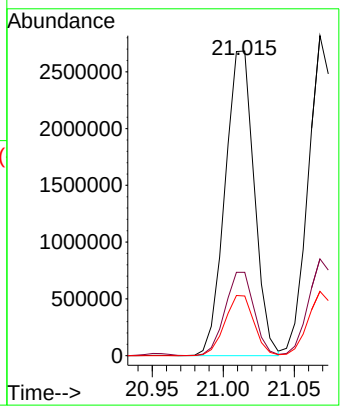


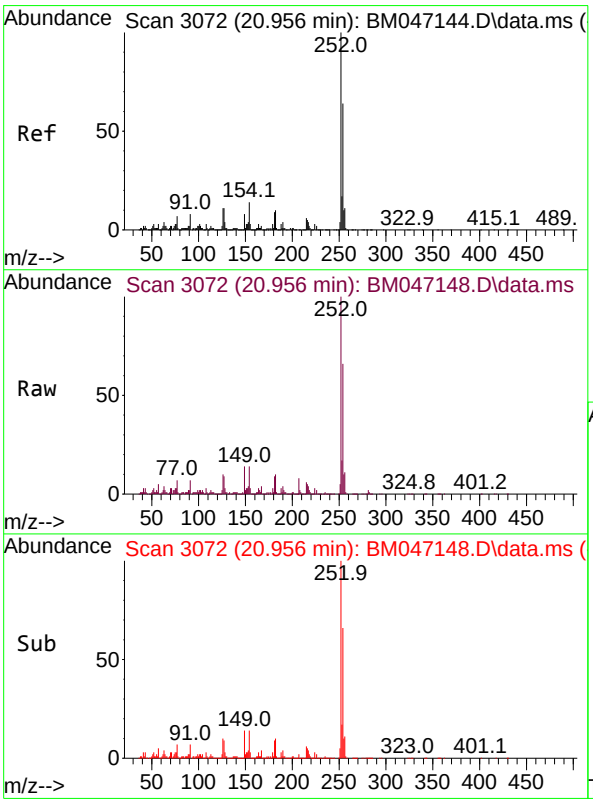
#81
Benzo(a)anthracene
Concen: 39.088 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

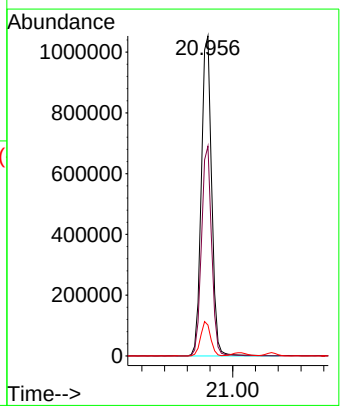


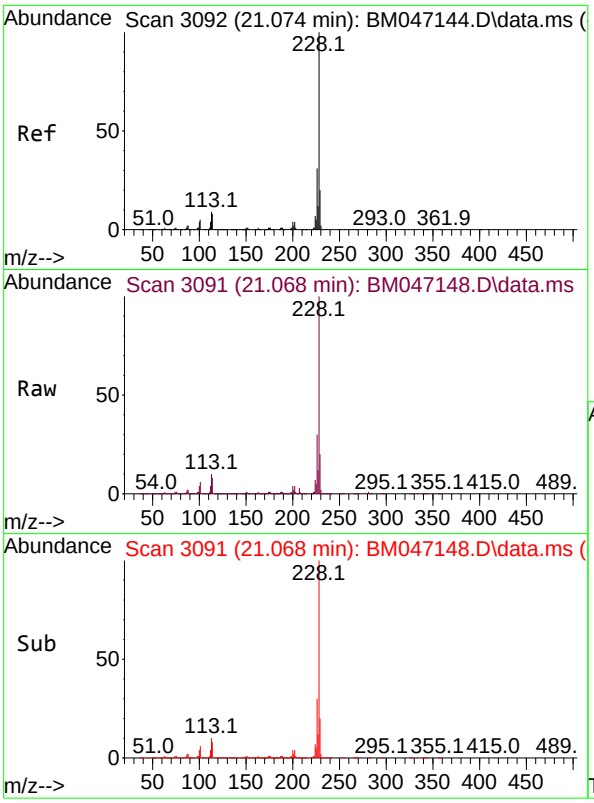


#82
3,3'-Dichlorobenzidine
Concen: 43.078 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



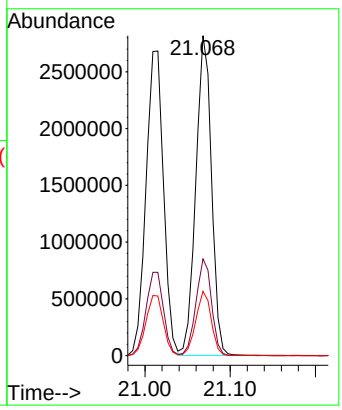


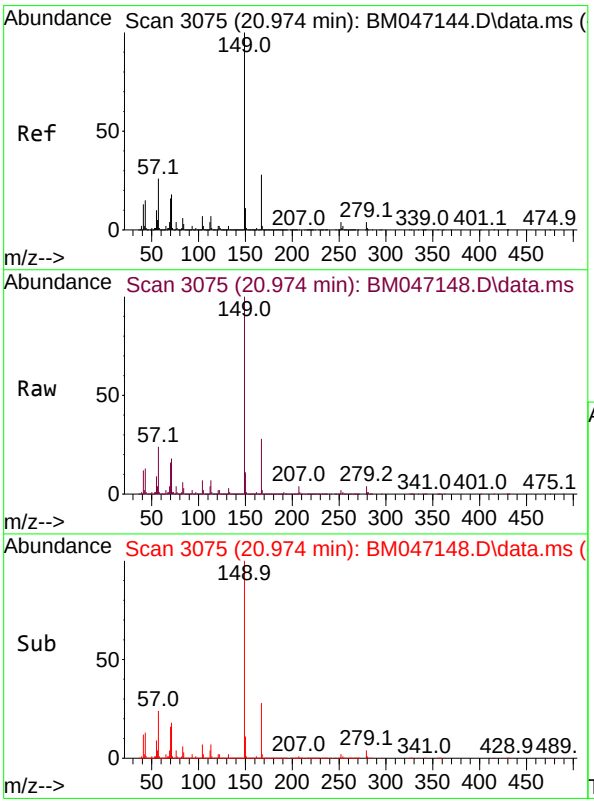
#83
Chrysene
Concen: 38.651 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

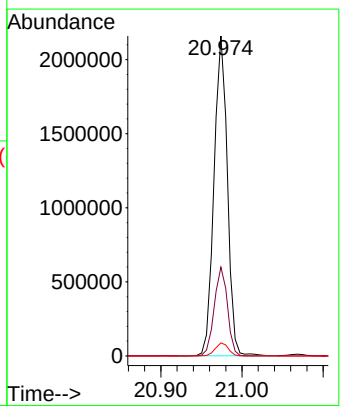


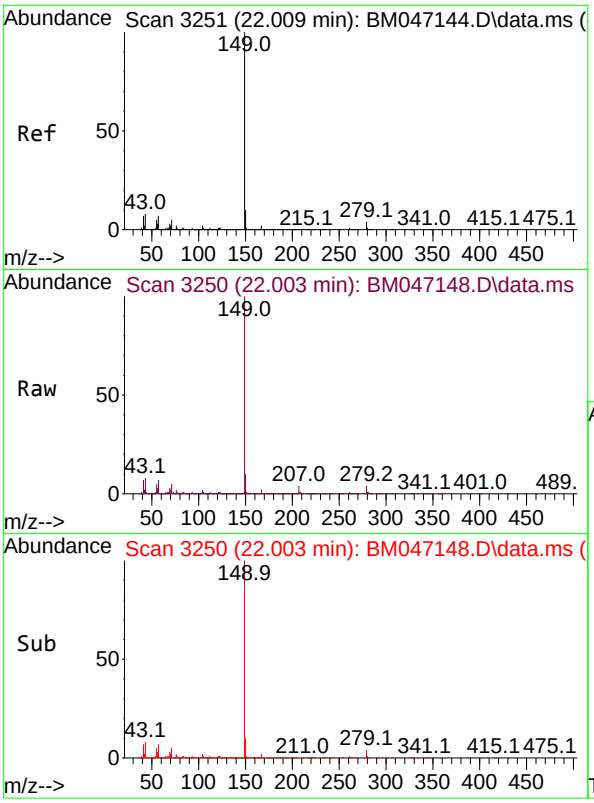


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.349 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



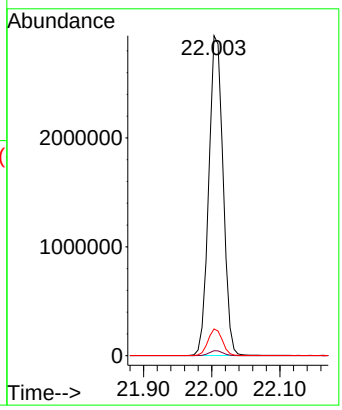


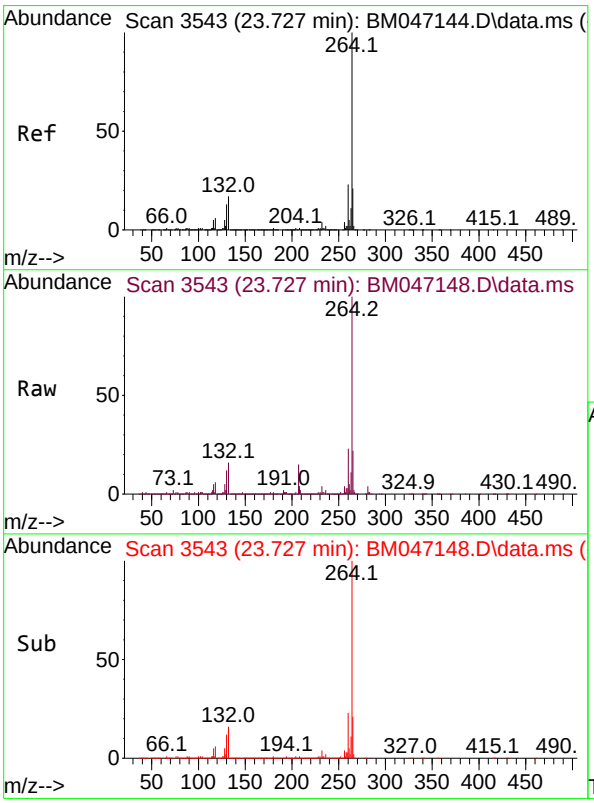
#85
Di-n-octyl phthalate
Concen: 41.304 ng
RT: 22.003 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

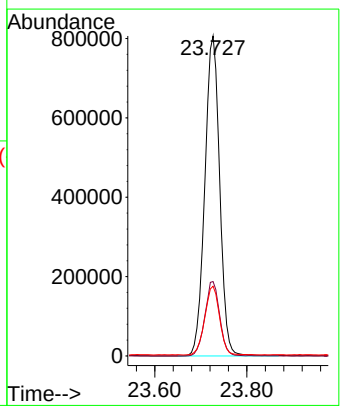


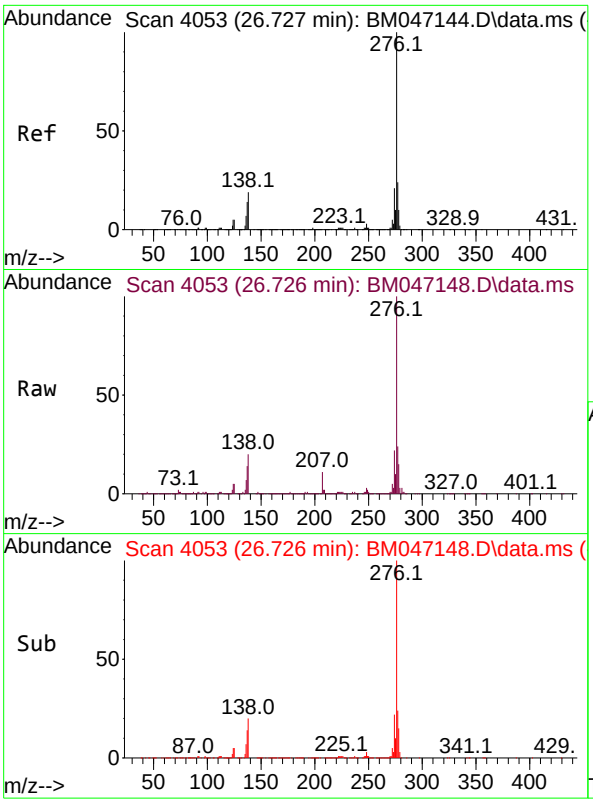


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



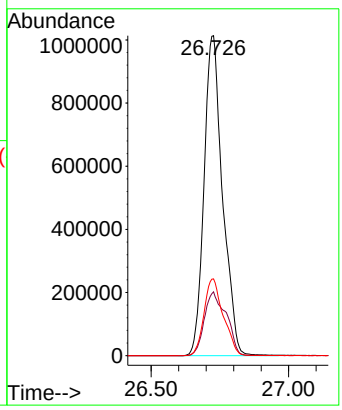


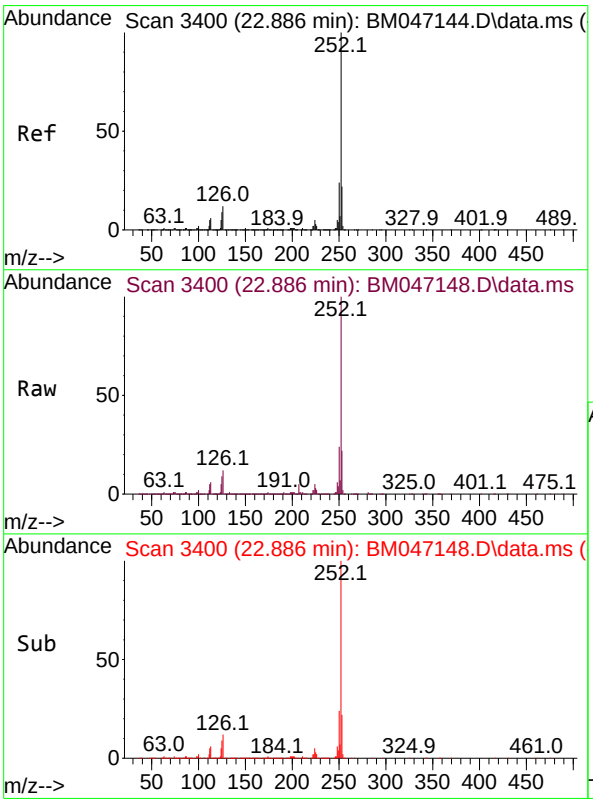
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.535 ng
RT: 26.726 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

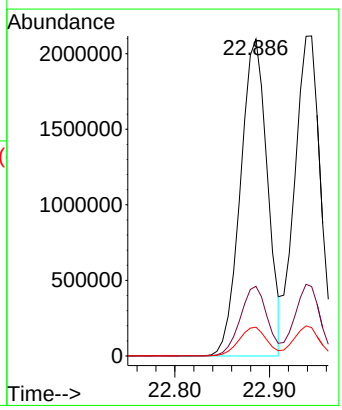


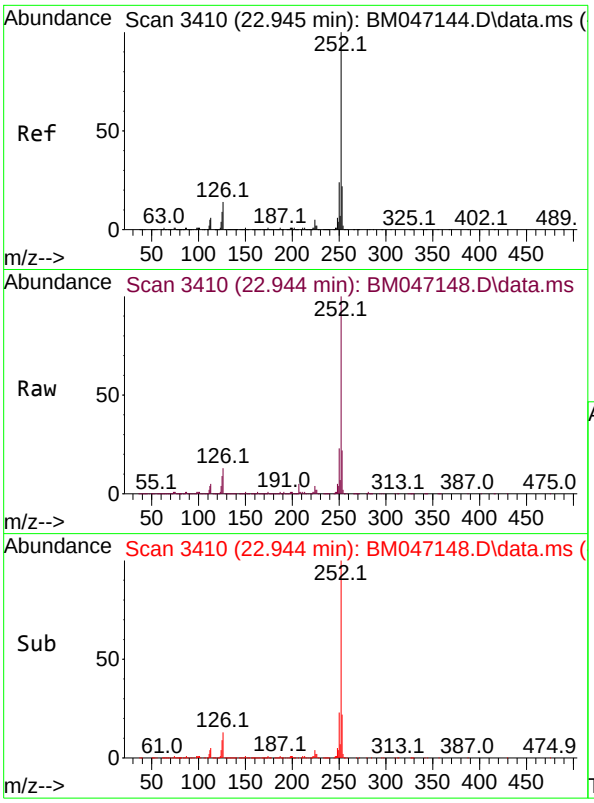


#88
Benzo(b)fluoranthene
Concen: 38.443 ng
RT: 22.886 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



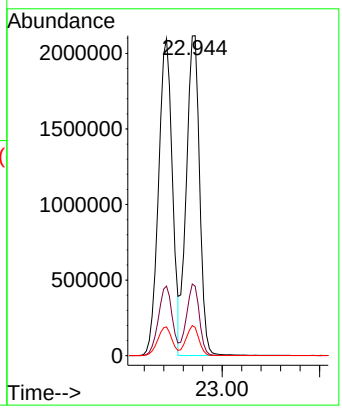


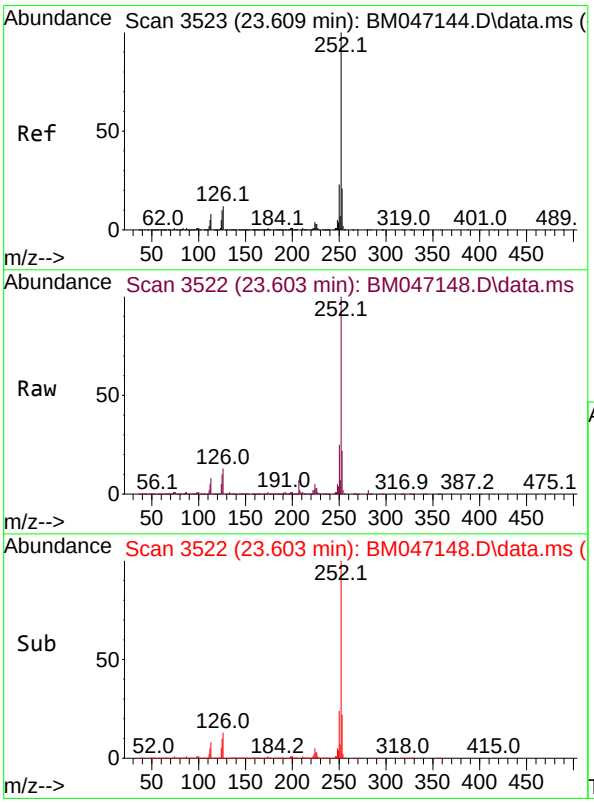
#89
Benzo(k)fluoranthene
Concen: 39.350 ng
RT: 22.944 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

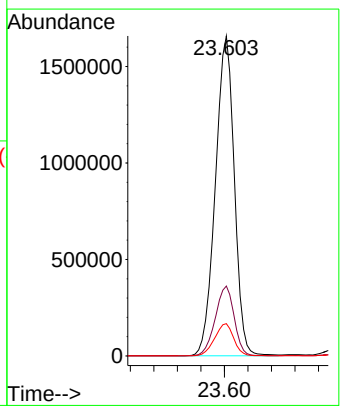


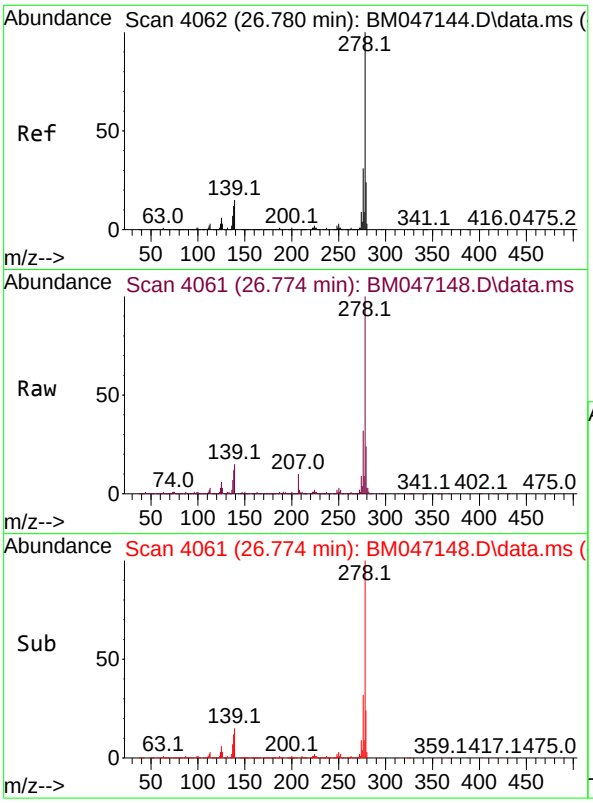


#90
Benzo(a)pyrene
Concen: 39.764 ng
RT: 23.603 min Scan# 3522
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



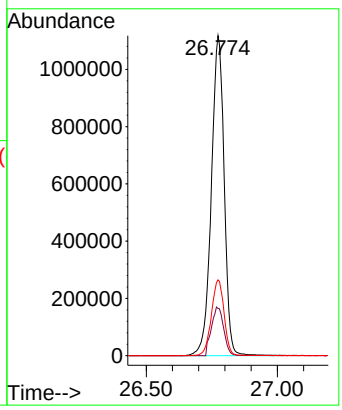


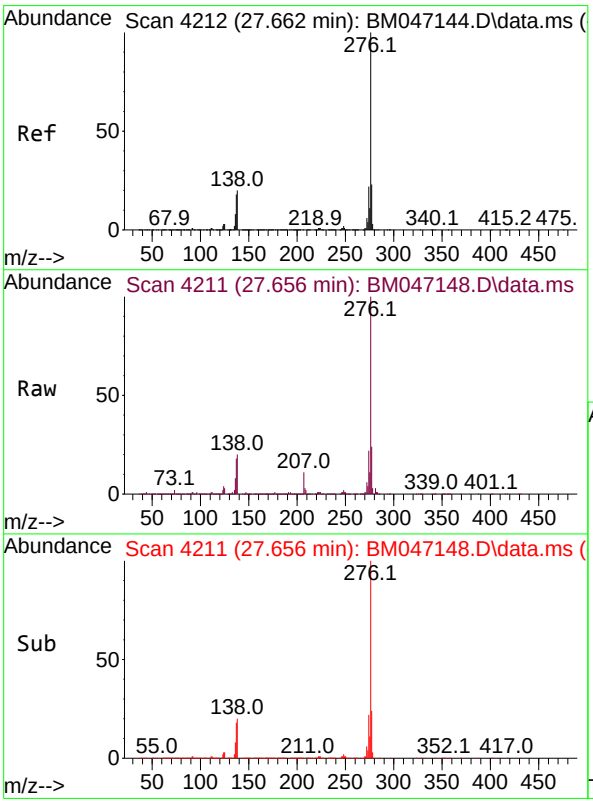
#91
Dibenzo(a,h)anthracene
Concen: 40.122 ng
RT: 26.774 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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

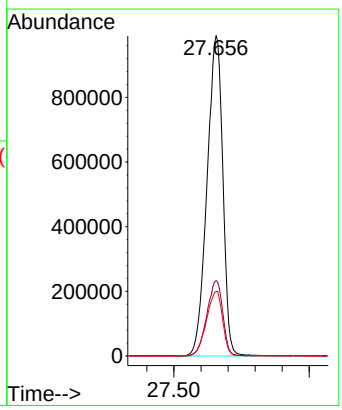




#92
Benzo(g,h,i)perylene
Concen: 40.615 ng
RT: 27.656 min Scan# 4211
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

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



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

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

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

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
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)
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

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

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

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.: P3596 SAS No.: P3596 SDG No.: P3596

Instrument ID: BNA_M Calibration Date/Time: 08/19/2024 09:42

Lab File ID: BM047245.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	1.126		-17.2	
2-Fluorophenol	1.119	0.985		-12.0	
Benzaldehyde	0.904	0.709		-21.6	
Phenol-d6	1.542	1.370		-11.2	
2-Methylphenol	1.027	0.951		-7.4	
Acetophenone	0.483	0.429		-11.2	
3+4-Methylphenols	1.435	1.329		-7.4	
Nitrobenzene-d5	0.397	0.345		-13.1	
Nitrobenzene	0.400	0.352		-12.0	
2,4-Dichlorophenol	0.308	0.310		0.6	20.0
Naphthalene	0.996	0.908		-8.8	
Hexachlorobutadiene	0.204	0.213		4.4	20.0
2-Methylnaphthalene	0.709	0.667		-5.9	
2,4,6-Trichlorophenol	0.388	0.387		-0.3	20.0
2-Fluorobiphenyl	1.297	1.203		-7.2	
2,4,5-Trichlorophenol	0.430	0.431		0.2	
Acenaphthylene	1.640	1.482		-9.6	
Acenaphthene	1.041	0.938		-9.9	20.0
Dibenzofuran	1.644	1.483		-9.8	
Fluorene	1.356	1.232		-9.1	
2,4,6-Tribromophenol	0.232	0.233		0.4	
Hexachlorobenzene	0.231	0.217		-6.1	
Pentachlorophenol	0.162	0.158		-2.5	20.0
Phenanthrene	1.004	0.896		-10.8	
Carbazole	0.997	0.892		-10.5	
Di-n-butylphthalate	1.160	1.070		-7.8	
Fluoranthene	1.221	1.121		-8.2	20.0
Pyrene	1.428	1.389		-2.7	
Terphenyl-d14	0.933	0.922		-1.2	
Benzo(a)anthracene	1.328	1.210		-8.9	
Chrysene	1.260	1.127		-10.6	
Bis(2-ethylhexyl)phthalate	0.826	0.796		-3.6	
Benzo(b)fluoranthene	1.188	1.040		-12.5	
Benzo(k)fluoranthene	1.122	0.981		-12.6	
Benzo(a)pyrene	1.029	0.906		-12.0	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.055		-18.4	
Dibenzo(a,h)anthracene	1.046	0.868		-17.0	
Benzo(g,h,i)perylene	1.086	0.869		-20.0	
1,4-Dioxane	0.464	0.372		-19.8	20.0

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3596 SAS No.: P3596 SDG No.: P3596

Instrument ID: BNA_M Calibration Date/Time: 08/19/2024 09:42

Lab File ID: BM047245.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-Methylnaphthalene	0.701	0.654		-6.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:18:18 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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	274830	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1117659	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	774502	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1666055	20.000	ng	0.00
76) Chrysene-d12	21.039	240	1393632	20.000	ng	0.00
86) Perylene-d12	23.744	264	1655413	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1082412	70.374	ng	0.00
7) Phenol-d6	6.581	99	1506202	71.069	ng	0.00
23) Nitrobenzene-d5	8.516	82	1544533	69.585	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	722218	80.421	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	3725750	74.203	ng	-0.01
79) Terphenyl-d14	19.462	244	5138818	79.011	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.028	88	204283	32.055	ng	96
3) Pyridine	3.405	79	618664	33.106	ng	97
4) n-Nitrosodimethylamine	3.322	42	249562	30.567	ng	96
6) Aniline	6.716	93	726743	36.280	ng	98
8) 2-Chlorophenol	6.946	128	613579	36.576	ng	97
9) Benzaldehyde	6.528	77	389532	32.528	ng	100
10) Phenol	6.610	94	743089	35.139	ng	98
11) bis(2-Chloroethyl)ether	6.816	93	624007	34.456	ng	98
12) 1,3-Dichlorobenzene	7.257	146	739956	37.119	ng	98
13) 1,4-Dichlorobenzene	7.399	146	750115	37.165	ng	99
14) 1,2-Dichlorobenzene	7.710	146	709235	37.243	ng	99
15) Benzyl Alcohol	7.616	79	595977m	39.512	ng	
16) 2,2'-oxybis(1-Chloropr...	7.904	45	770805m	33.169	ng	
17) 2-Methylphenol	7.828	107	522725	37.051	ng	98
18) Hexachloroethane	8.416	117	282269	36.104	ng	94
19) n-Nitroso-di-n-propyla...	8.175	70	490524	34.361	ng	98
20) 3+4-Methylphenols	8.157	107	730719	37.048	ng	99
22) Acetophenone	8.187	105	958453	35.527	ng	99
24) Nitrobenzene	8.557	77	785862	35.161	ng	96
25) Isophorone	9.081	82	1420787	36.763	ng	99
26) 2-Nitrophenol	9.257	139	391755	39.578	ng	95
27) 2,4-Dimethylphenol	9.340	122	445047	38.384	ng	99
28) bis(2-Chloroethoxy)met...	9.563	93	871685	35.845	ng	99
29) 2,4-Dichlorophenol	9.792	162	692233	40.237	ng	98
30) 1,2,4-Trichlorobenzene	9.992	180	768282	39.461	ng	99
31) Naphthalene	10.175	128	2030688	36.472	ng	100
32) Benzoic acid	9.534	122	560880	41.637	ng	97
33) 4-Chloroaniline	10.298	127	808887	37.779	ng	99
34) Hexachlorobutadiene	10.457	225	475986	41.770	ng	99
35) Caprolactam	11.110	113	235829	39.472	ng	92
36) 4-Chloro-3-methylphenol	11.451	107	706688	38.570	ng	99
37) 2-Methylnaphthalene	11.798	142	1491295	37.618	ng	99
38) 1-Methylnaphthalene	12.028	142	1462706	37.334	ng	98
40) 1,2,4,5-Tetrachloroben...	12.186	216	841763	39.847	ng	98
41) Hexachlorocyclopentadiene	12.157	237	239288	32.439	ng	95
43) 2,4,6-Trichlorophenol	12.445	196	599628	39.935	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:18:18 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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	668381	40.092	ng	97
46) 1,1'-Biphenyl	12.851	154	1967045	35.675	ng	99
47) 2-Chloronaphthalene	12.886	162	1538296	35.695	ng	98
48) 2-Nitroaniline	13.110	65	470455	34.845	ng	96
49) Acenaphthylene	13.745	152	2296157	36.146	ng	100
50) Dimethylphthalate	13.510	163	1999459	36.964	ng	100
51) 2,6-Dinitrotoluene	13.628	165	481854	38.107	ng	88
52) Acenaphthene	14.092	154	1452604	36.049	ng	98
53) 3-Nitroaniline	13.957	138	473408	37.363	ng	97
54) 2,4-Dinitrophenol	14.180	184	274199	36.181	ng	92
55) Dibenzofuran	14.433	168	2296458	36.080	ng	98
56) 4-Nitrophenol	14.310	139	400919	36.695	ng	97
57) 2,4-Dinitrotoluene	14.433	165	635042	37.626	ng	97
58) Fluorene	15.092	166	1908826	36.346	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.680	232	550495	40.178	ng	93
60) Diethylphthalate	14.892	149	2006026	36.316	ng	98
61) 4-Chlorophenyl-phenyle...	15.098	204	943737	37.746	ng	96
62) 4-Nitroaniline	15.133	138	462456	37.048	ng	96
63) Azobenzene	15.392	77	1742713	33.274	ng	95
65) 4,6-Dinitro-2-methylph...	15.204	198	382355	39.198	ng	90
66) n-Nitrosodiphenylamine	15.316	169	1636928	36.072	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	621686	38.724	ng	98
68) Hexachlorobenzene	16.104	284	723291	37.617	ng	95
69) Atrazine	16.292	200	548707	40.182	ng	99
70) Pentachlorophenol	16.457	266	524917	38.946	ng	98
71) Phenanthrene	16.833	178	2985541	35.707	ng	100
72) Anthracene	16.927	178	2959126	36.372	ng	100
73) Carbazole	17.210	167	2971451	35.772	ng	99
74) Di-n-butylphthalate	17.792	149	3566712	36.901	ng	100
75) Fluoranthene	18.874	202	3736572	36.741	ng	99
77) Benzidine	19.080	184	1751945	74.129	ng	99
78) Pyrene	19.239	202	3870284	38.894	ng	99
80) Butylbenzylphthalate	20.174	149	1617756	39.837	ng	97
81) Benzo(a)anthracene	21.021	228	3372910	36.457	ng	99
82) 3,3'-Dichlorobenzidine	20.962	252	1158555	40.023	ng	99
83) Chrysene	21.080	228	3142558	35.801	ng	100
84) Bis(2-ethylhexyl)phtha...	20.974	149	2219045	38.531	ng	99
85) Di-n-octyl phthalate	22.009	149	3946297	40.314	ng	98
87) Indeno(1,2,3-cd)pyrene	26.756	276	3492007	32.635	ng	98
88) Benzo(b)fluoranthene	22.898	252	3442805	35.020	ng	100
89) Benzo(k)fluoranthene	22.956	252	3246337	34.961	ng	99
90) Benzo(a)pyrene	23.621	252	2998995	35.215	ng	98
91) Dibenzo(a,h)anthracene	26.803	278	2874097	33.190	ng	99
92) Benzo(g,h,i)perylene	27.685	276	2876281	31.992	ng	98

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

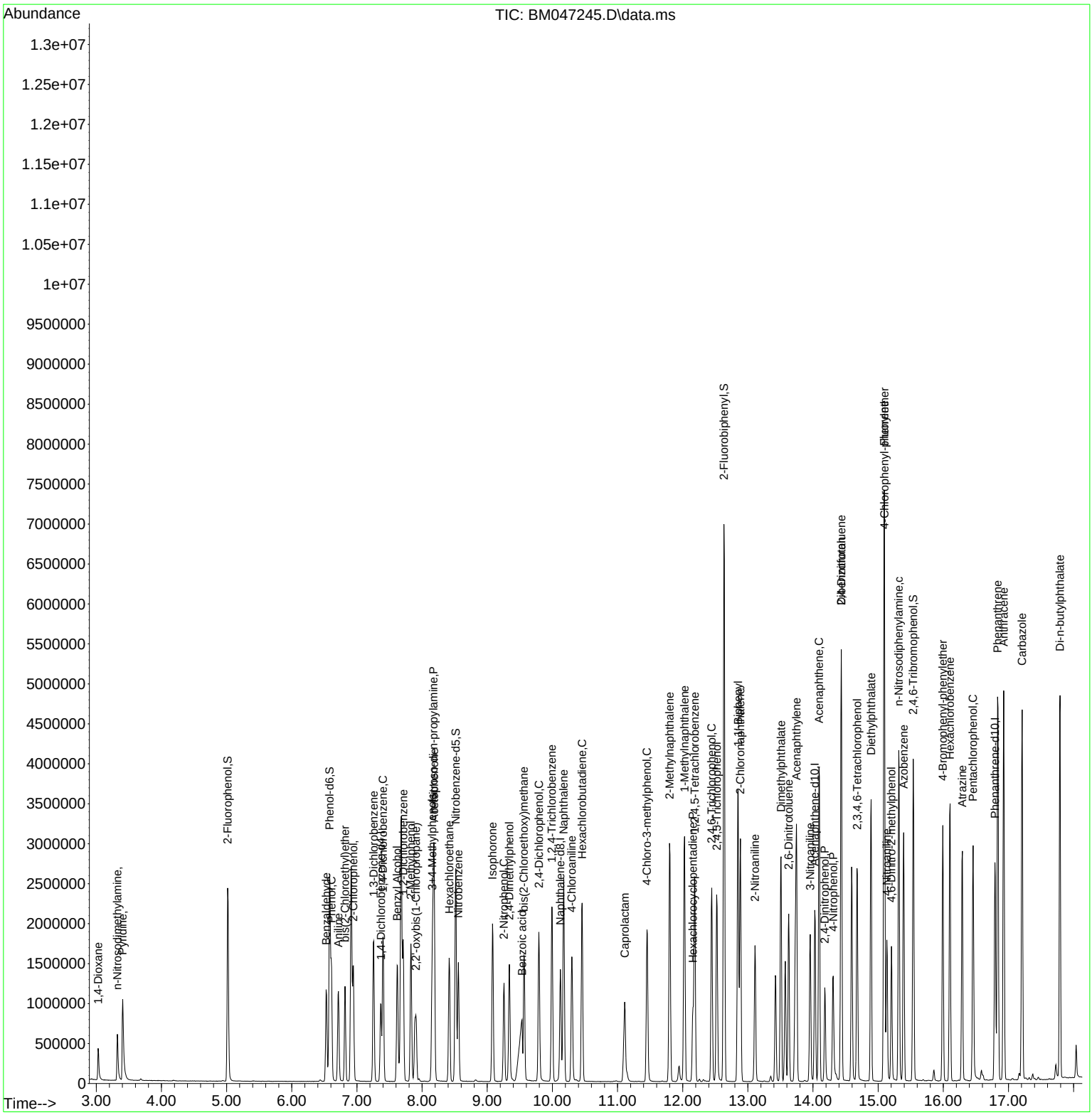
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:18:18 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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
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Quant Time: Aug 19 11:18:18 2024
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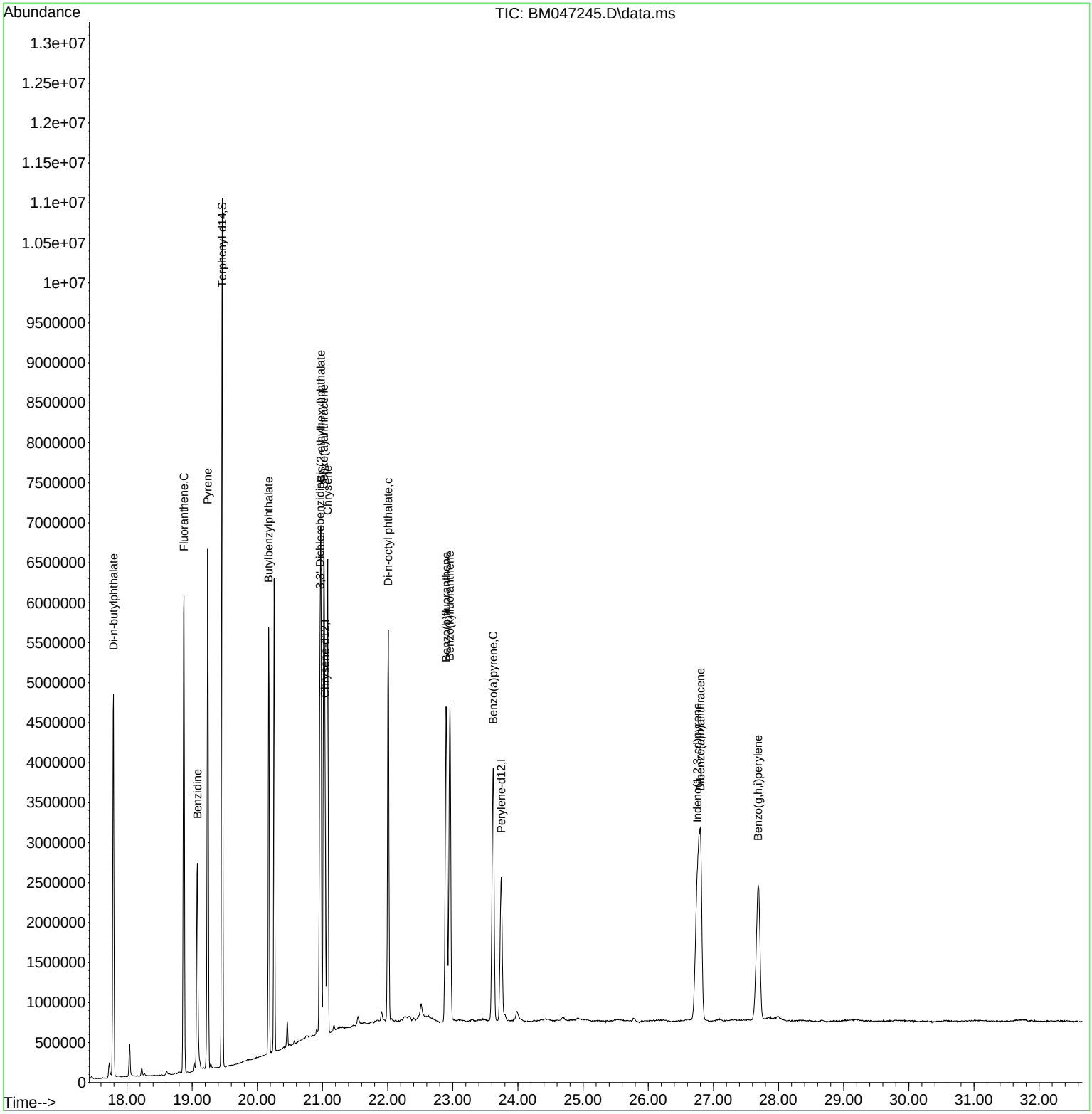
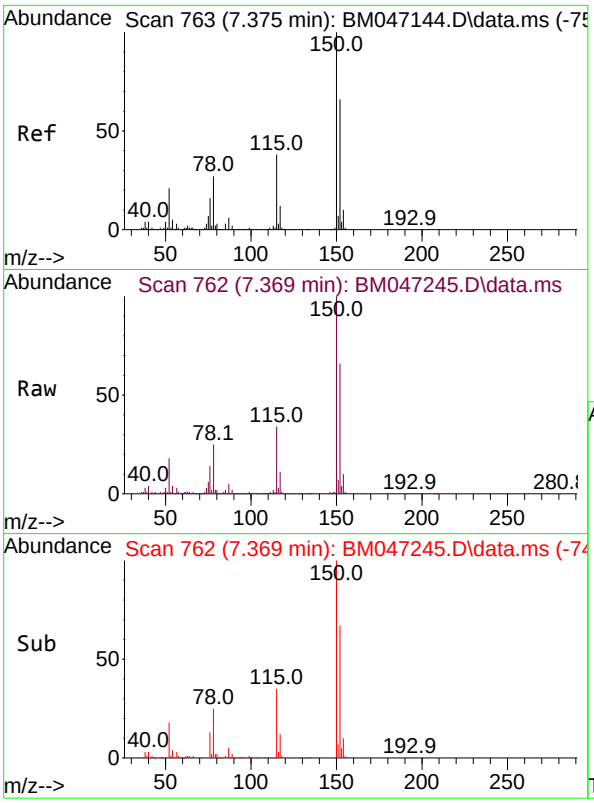
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

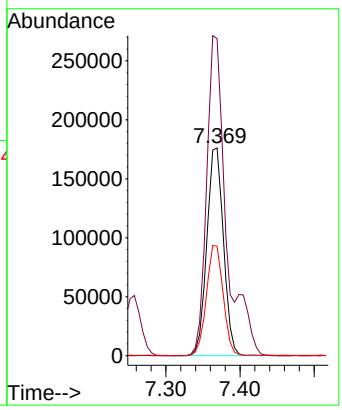




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 7(
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:152 Resp: 27483(

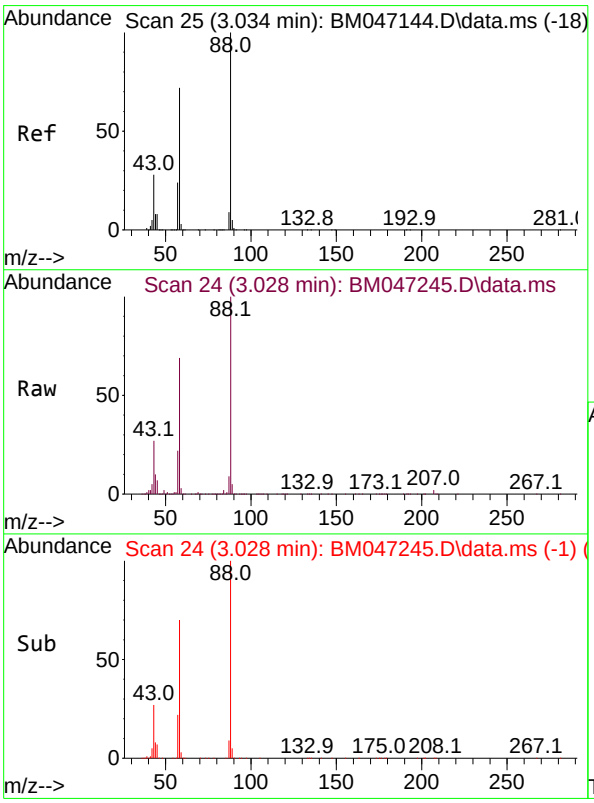
Ion	Ratio	Lower	Upper
152	100		
150	152.7	120.5	180.7
115	52.7	45.5	68.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

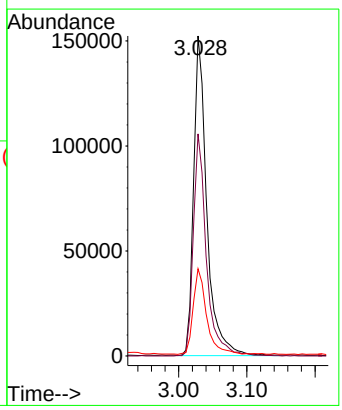
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

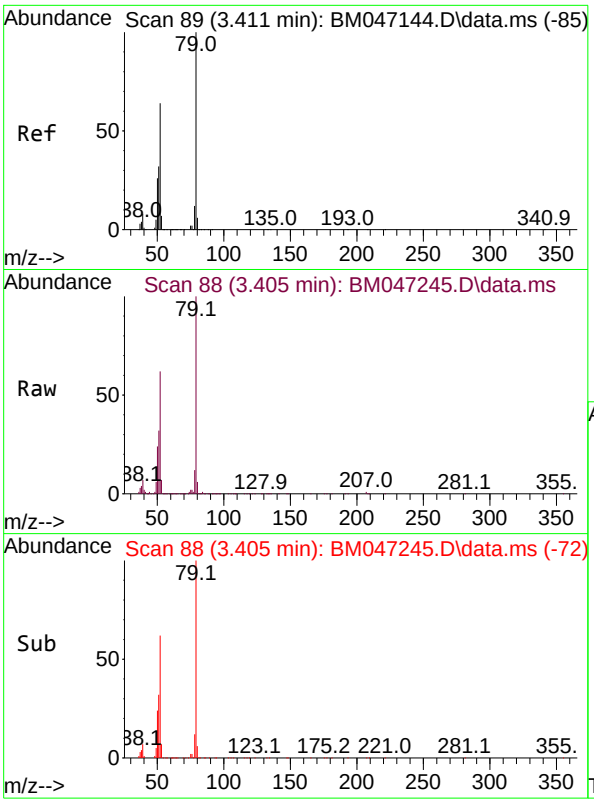


#2
1,4-Dioxane
Concen: 32.055 ng
RT: 3.028 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 88 Resp: 204283

Ion	Ratio	Lower	Upper
88	100		
58	69.1	58.2	87.4
43	27.2	22.5	33.7

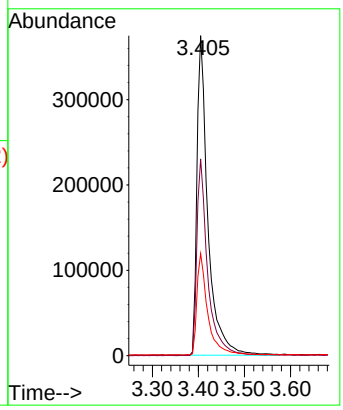




#3
Pyridine
Concen: 33.106 ng
RT: 3.405 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 79 Resp: 61866

Ion	Ratio	Lower	Upper
79	100		
52	61.5	51.2	76.8
51	31.9	26.1	39.1



Instrument :
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ClientSampleId :
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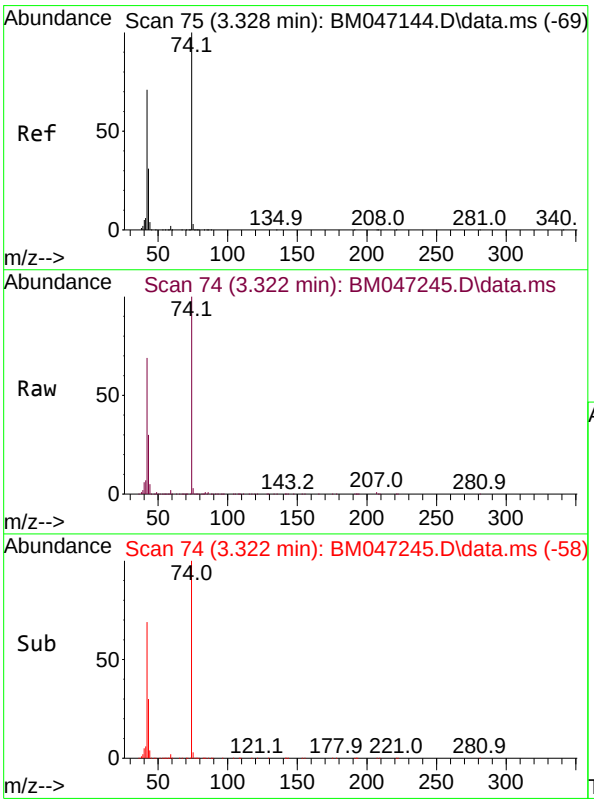
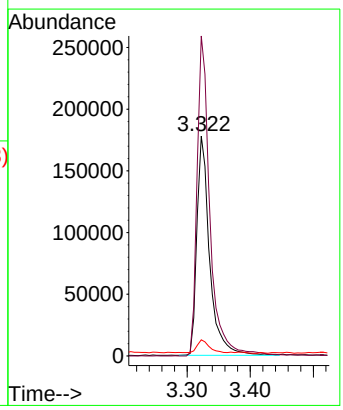
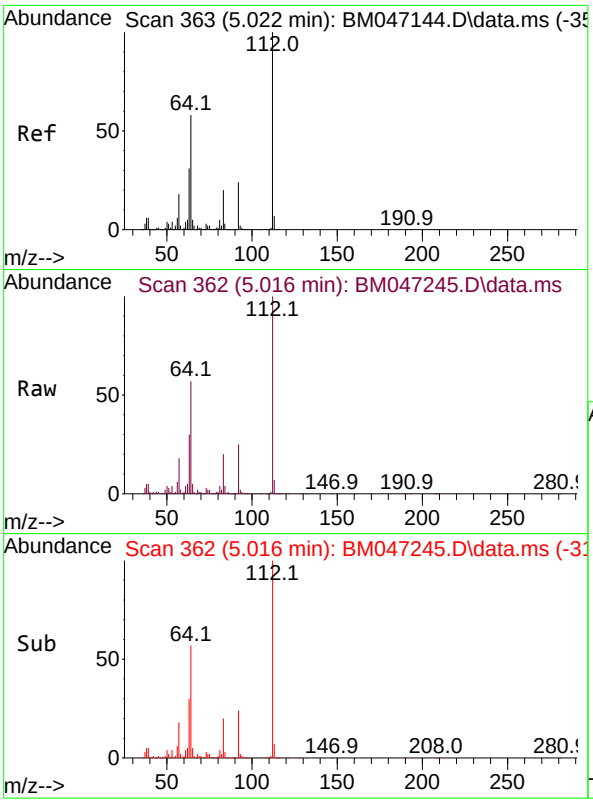


#4
n-Nitrosodimethylamine
Concen: 30.567 ng
RT: 3.322 min Scan# 74
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 42 Resp: 249562

Ion	Ratio	Lower	Upper
42	100		
74	145.5	112.9	169.3
44	7.3	5.3	7.9

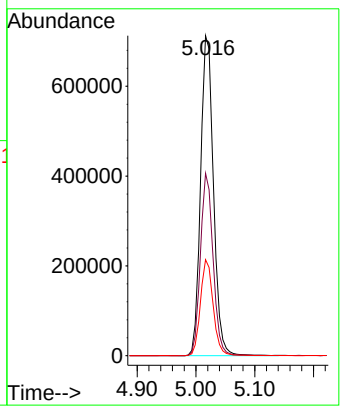




#5
2-Fluorophenol
Concen: 70.374 ng
RT: 5.016 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:112 Resp: 108241

Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.7	70.1
63	30.0	24.8	37.2



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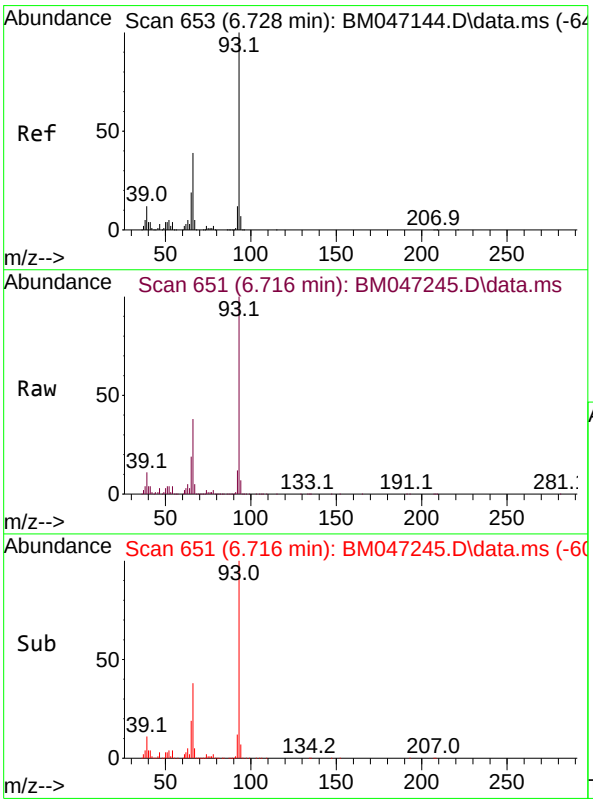
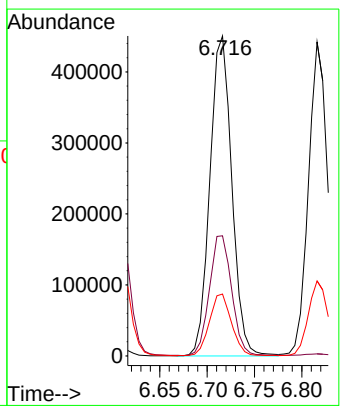
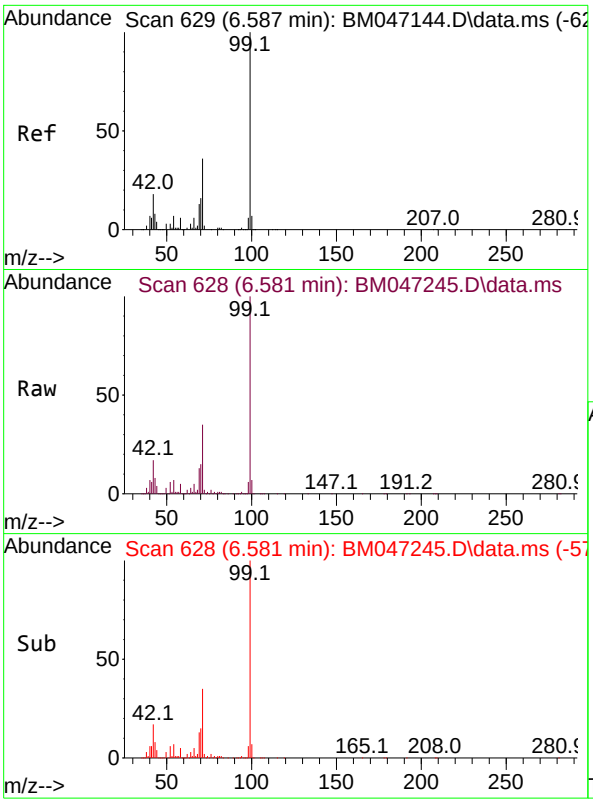


#6
Aniline
Concen: 36.280 ng
RT: 6.716 min Scan# 651
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 93 Resp: 726743

Ion	Ratio	Lower	Upper
93	100		
66	37.6	31.4	47.2
65	19.3	15.6	23.4

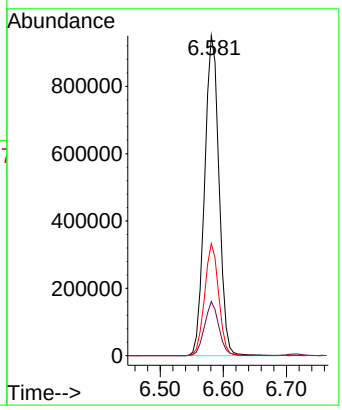




#7
Phenol-d6
Concen: 71.069 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 99 Resp: 150620

Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.1	21.1
71	35.0	28.5	42.7



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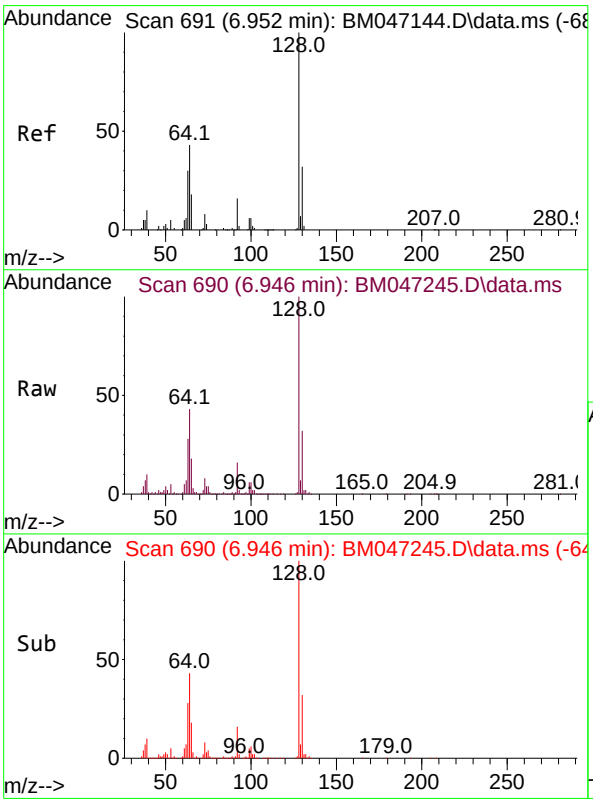
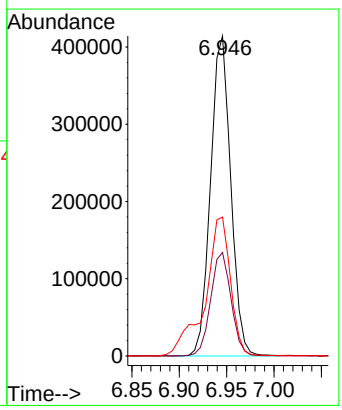
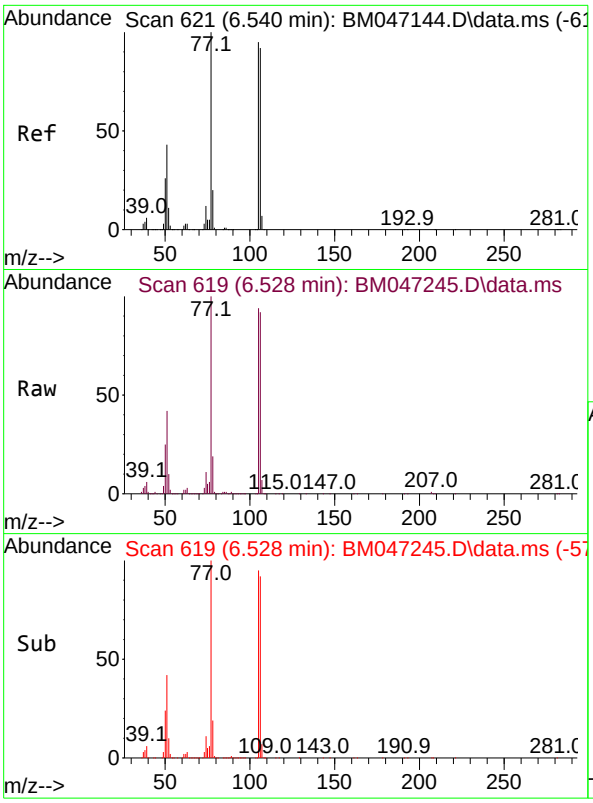


#8
2-Chlorophenol
Concen: 36.576 ng
RT: 6.946 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:128 Resp: 613579

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.1	52.1
64	43.4	26.6	66.6

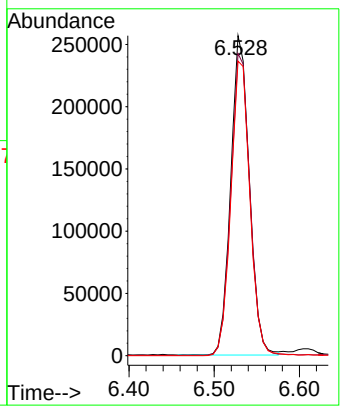




#9
Benzaldehyde
Concen: 32.528 ng
RT: 6.528 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 77 Resp: 38953

Ion	Ratio	Lower	Upper
77	100		
105	94.4	74.5	114.5
106	92.0	72.3	112.3



Instrument :
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ClientSampleId :
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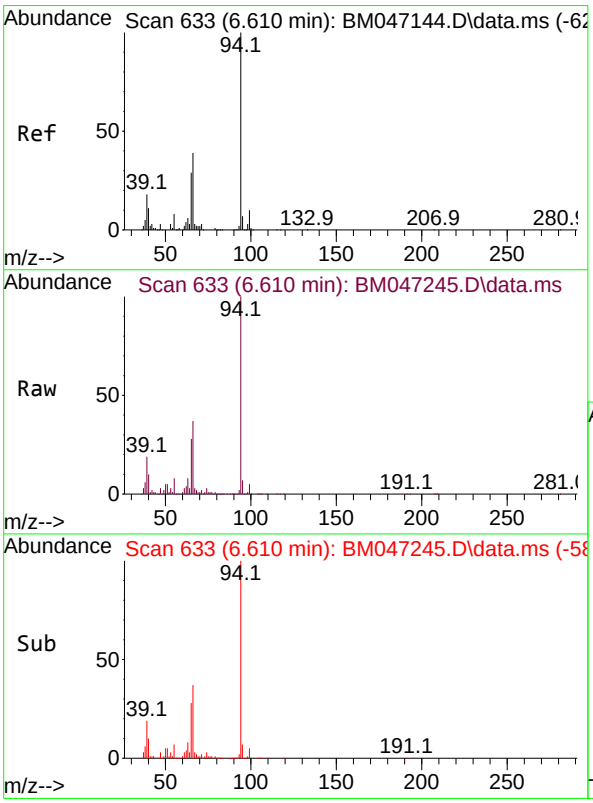
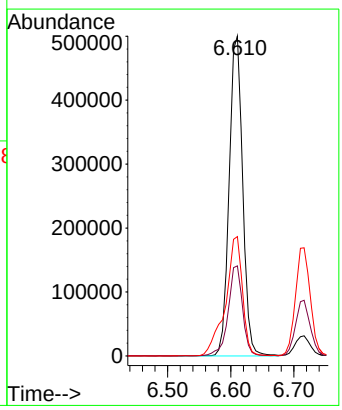
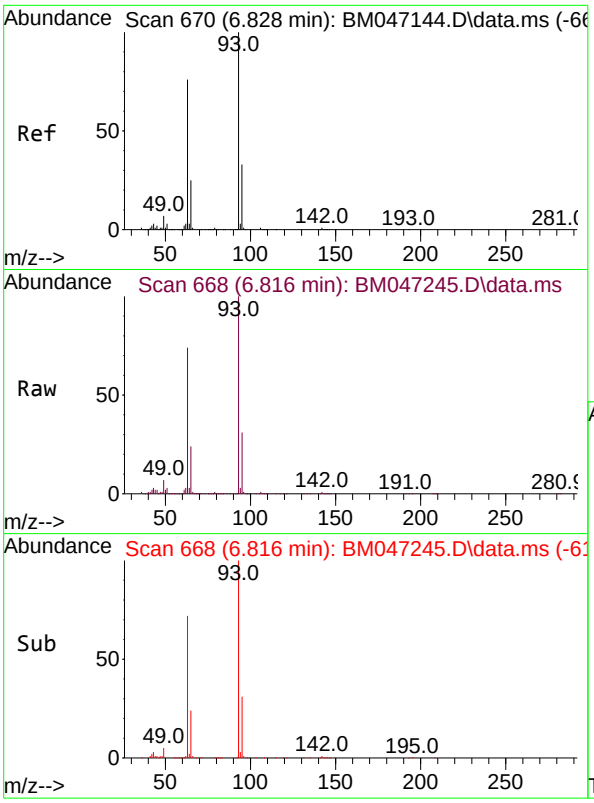


#10
Phenol
Concen: 35.139 ng
RT: 6.610 min Scan# 633
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 94 Resp: 743089

Ion	Ratio	Lower	Upper
94	100		
65	28.2	9.0	49.0
66	37.3	18.9	58.9

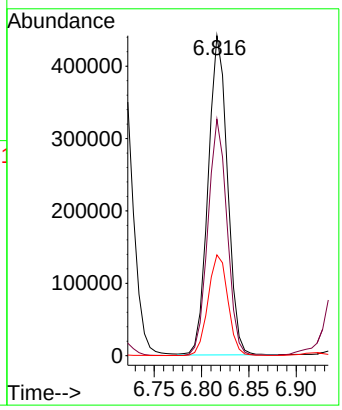




#11
bis(2-Chloroethyl)ether
Concen: 34.456 ng
RT: 6.816 min Scan# 6(
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 93 Resp: 62400

Ion	Ratio	Lower	Upper
93	100		
63	73.9	55.8	95.8
95	31.5	12.7	52.7



Instrument :
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ClientSampleId :
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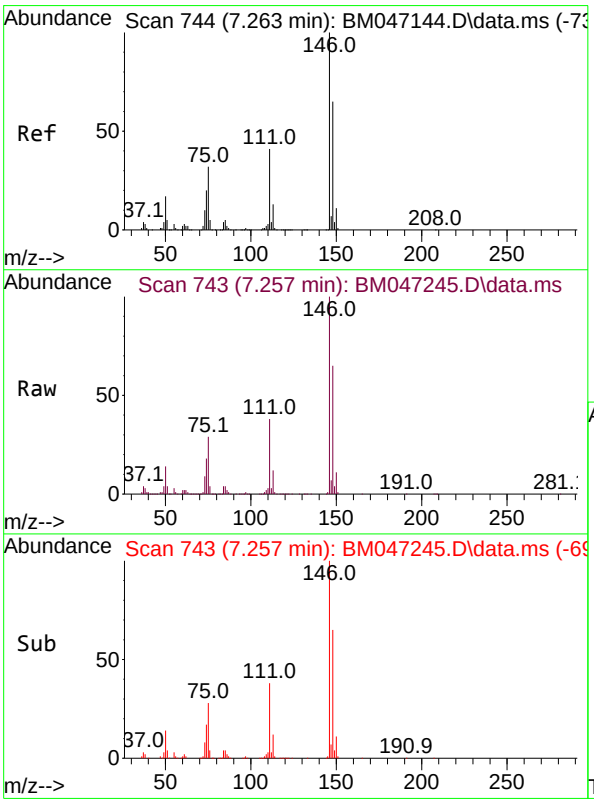
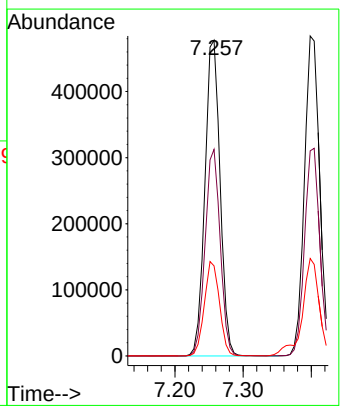
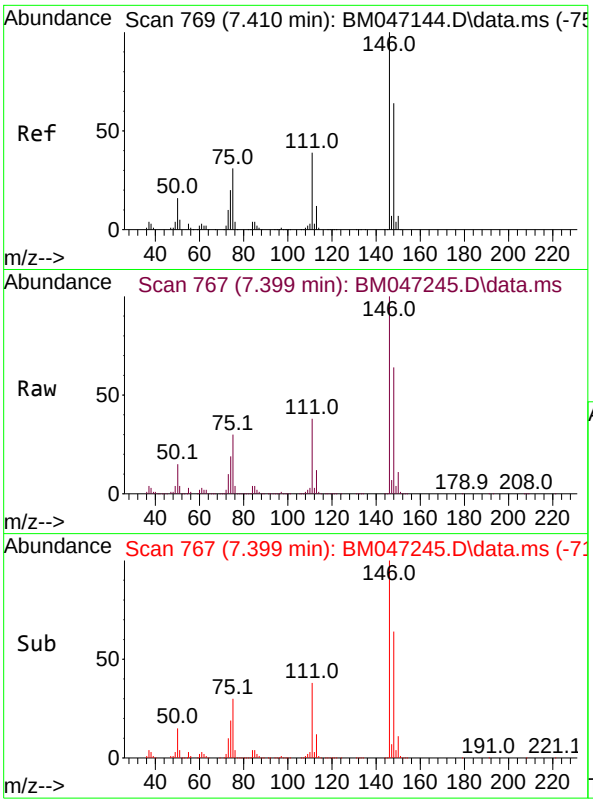


#12
1,3-Dichlorobenzene
Concen: 37.119 ng
RT: 7.257 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:146 Resp: 739956

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.3	78.5
75	28.5	25.8	38.6

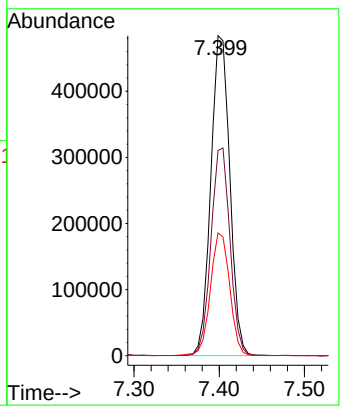




#13
1,4-Dichlorobenzene
Concen: 37.165 ng
RT: 7.399 min Scan# 7
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:146 Resp: 75011

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	38.4	31.5	47.3



Instrument :
BNA_M
ClientSampleId :
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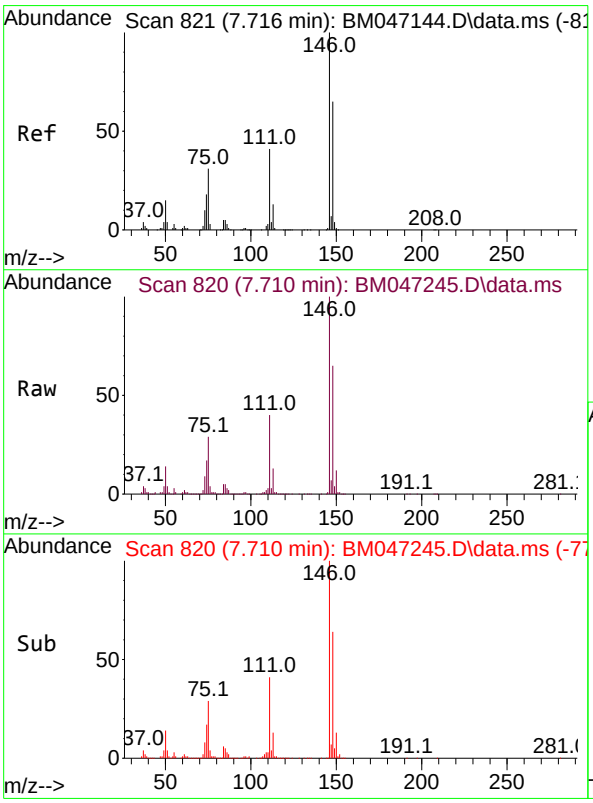
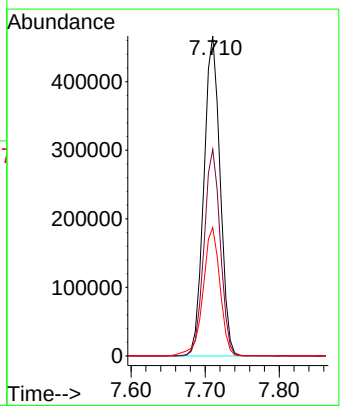
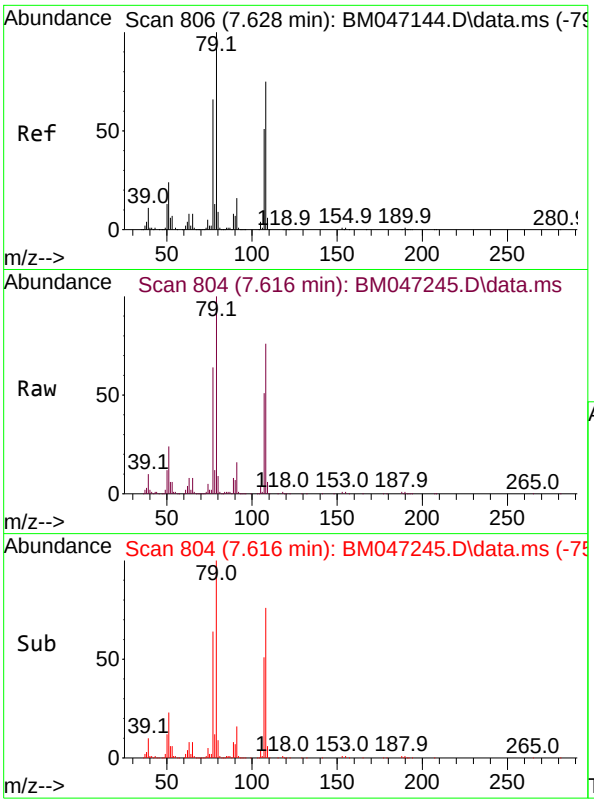


#14
1,2-Dichlorobenzene
Concen: 37.243 ng
RT: 7.710 min Scan# 820
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:146 Resp: 709235

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.8	77.8
111	40.1	33.3	49.9

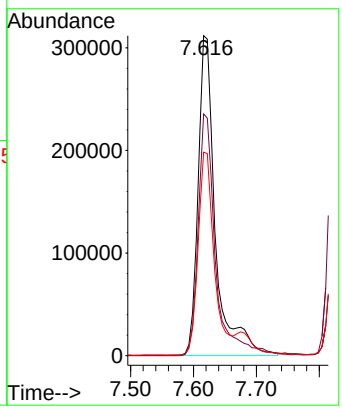




#15
Benzyl Alcohol
Concen: 39.512 ng m
RT: 7.616 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 79 Resp: 59597

Ion	Ratio	Lower	Upper
79	100		
108	75.6	59.7	89.5
77	63.6	52.9	79.3



Instrument :
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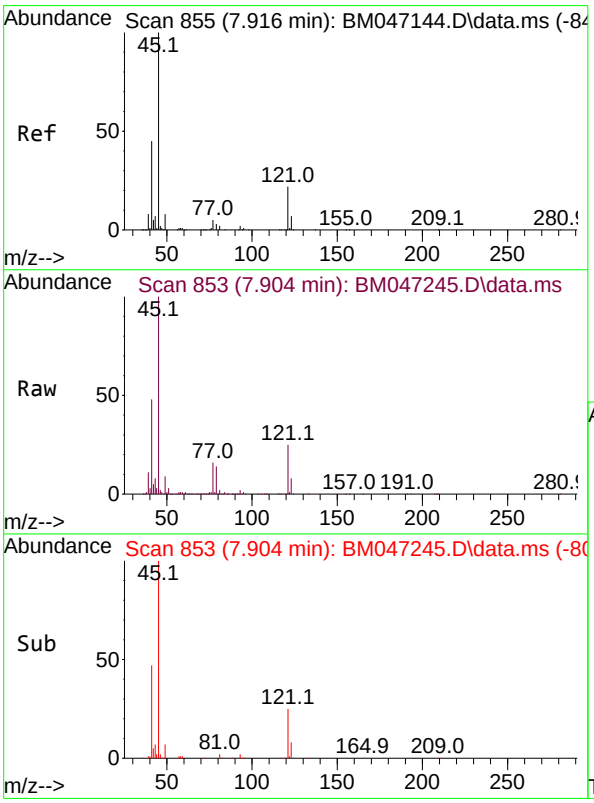
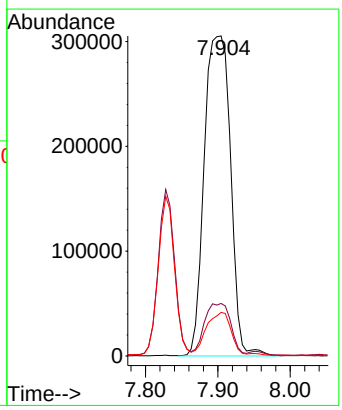
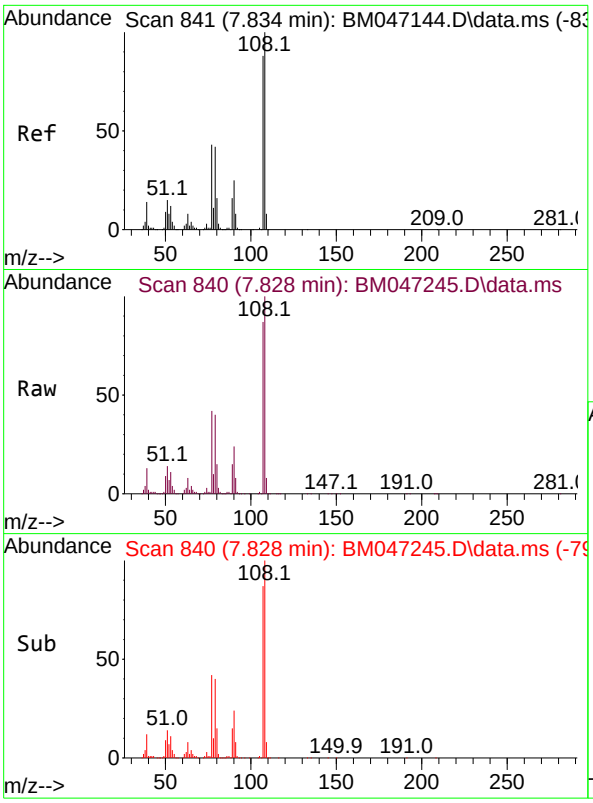


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.169 ng m
RT: 7.904 min Scan# 853
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 45 Resp: 770805

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	35.6
79	13.6	0.0	32.4

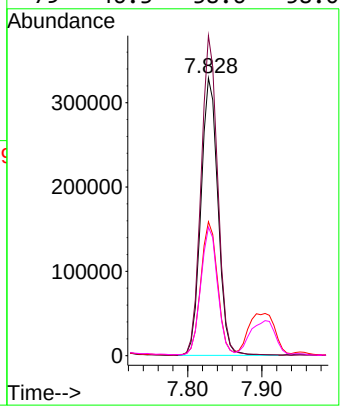




#17
2-Methylphenol
Concen: 37.051 ng
RT: 7.828 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:107 Resp: 52272

Ion	Ratio	Lower	Upper
107	100		
108	115.3	90.6	135.8
77	48.2	39.3	58.9
79	46.3	38.6	58.0



Instrument :
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ClientSampleId :
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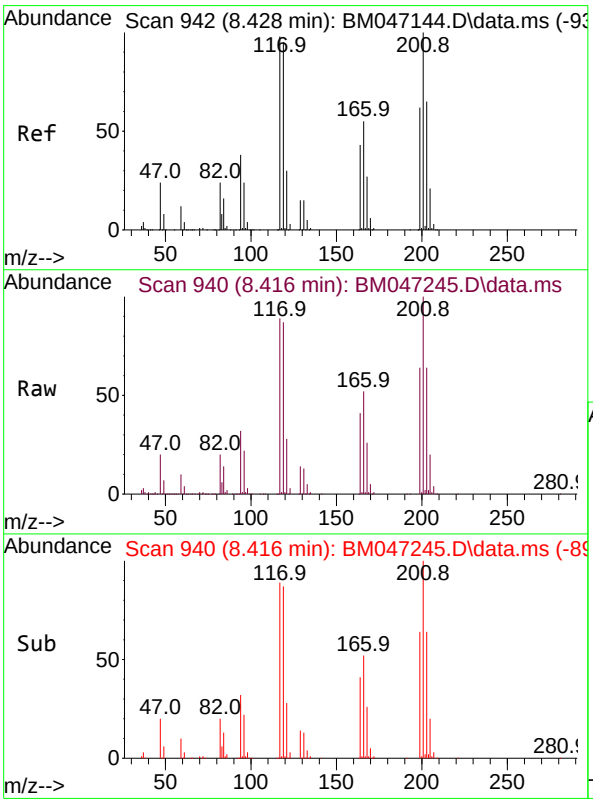
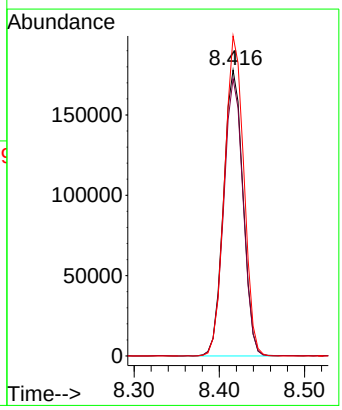
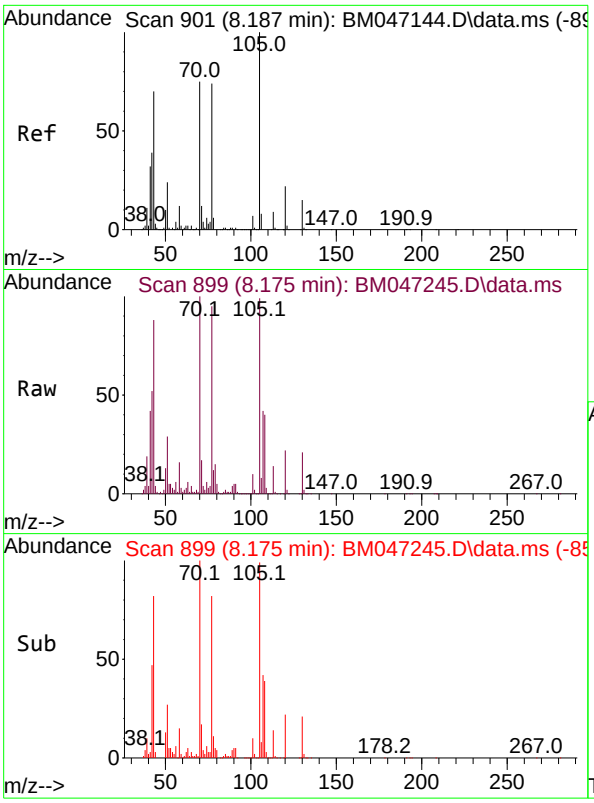


#18
Hexachloroethane
Concen: 36.104 ng
RT: 8.416 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:117 Resp: 282269

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.0	115.4
201	111.9	81.3	121.9

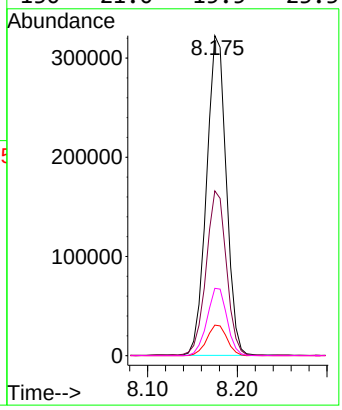




#19
n-Nitroso-di-n-propylamine
Concen: 34.361 ng
RT: 8.175 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 70 Resp: 49052

Ion	Ratio	Lower	Upper
70	100		
42	51.5	42.0	63.0
101	9.6	7.2	10.8
130	21.0	15.5	23.3



Instrument :
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ClientSampleId :
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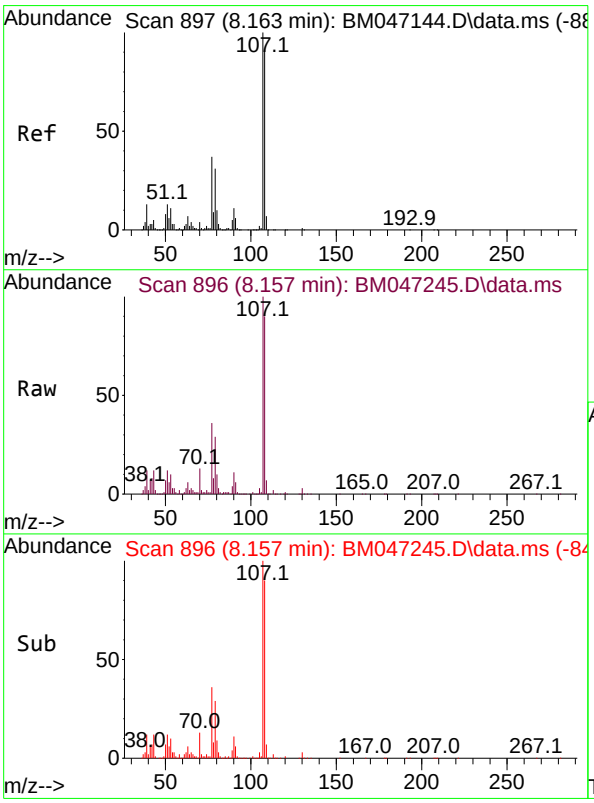
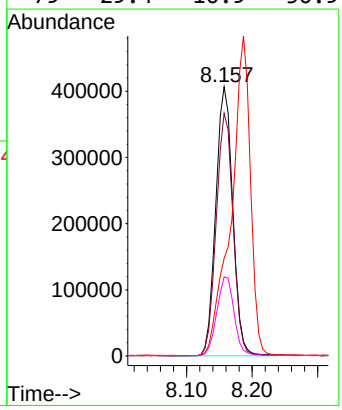
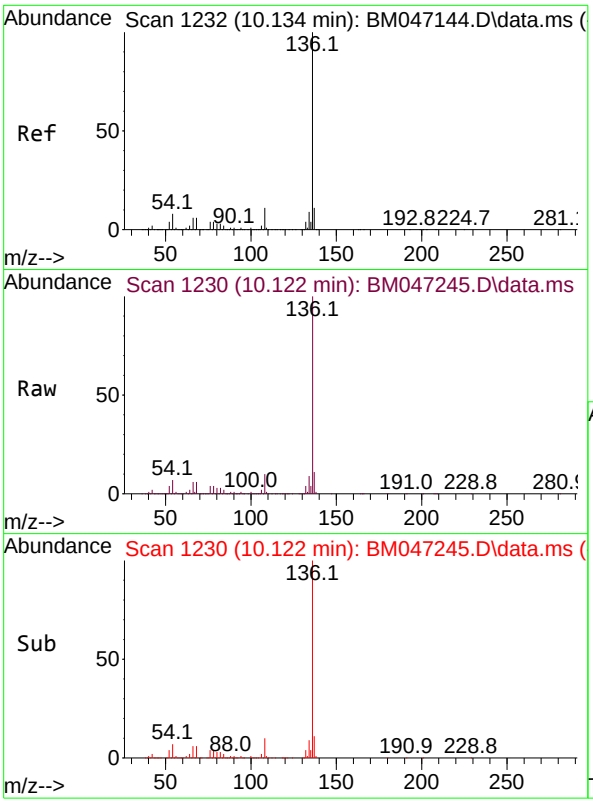


#20
3+4-Methylphenols
Concen: 37.048 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:107 Resp: 730719

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.7	110.7
77	36.3	17.4	57.4
79	29.4	10.9	50.9

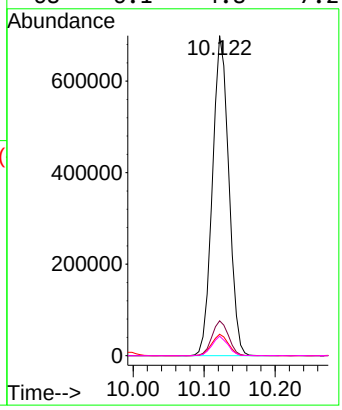




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:136 Resp: 111765

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	6.0	9.0
68	6.1	4.8	7.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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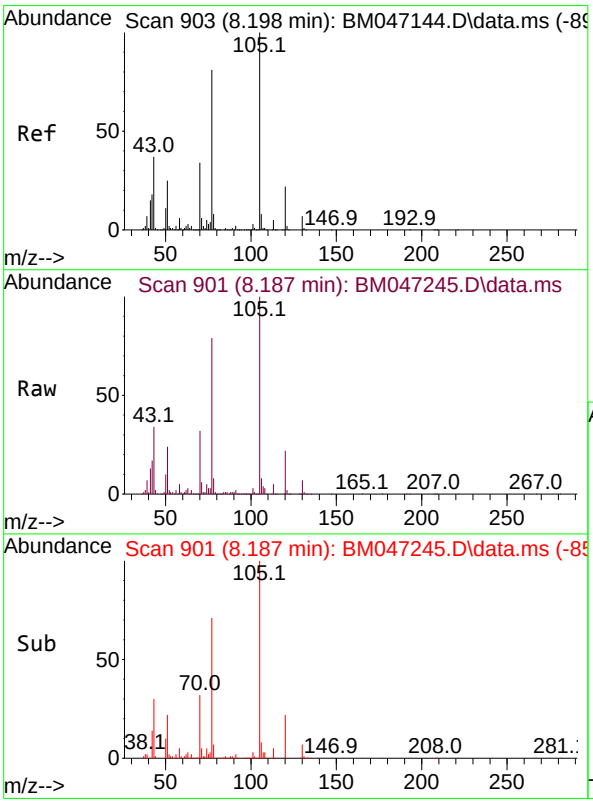
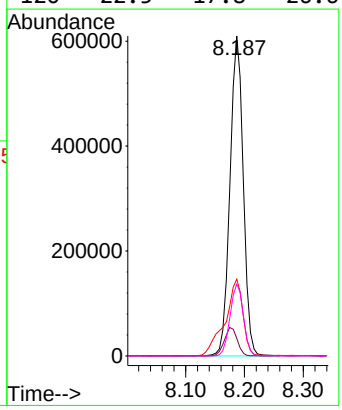
Supervised By :mohammad ahmed 08/21/2024

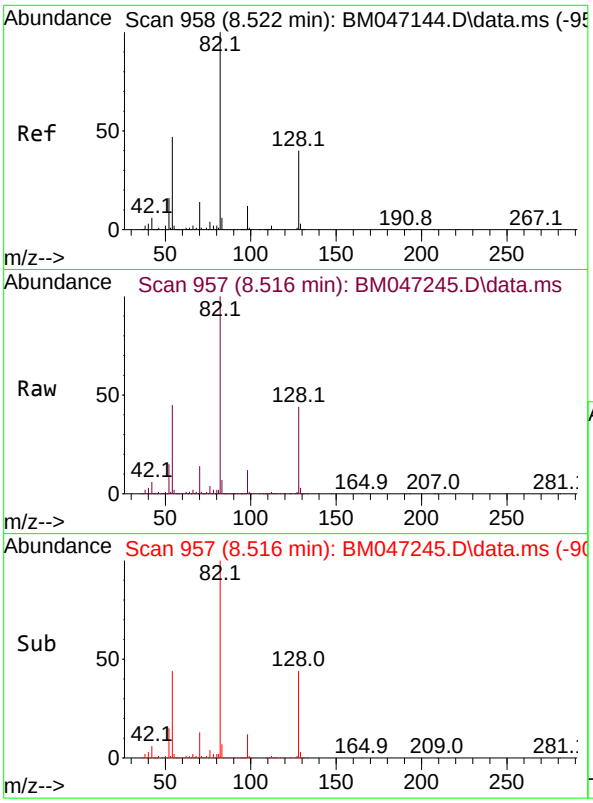


#22
Acetophenone
Concen: 35.527 ng
RT: 8.187 min Scan# 901
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:105 Resp: 958453

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.5	6.7
51	24.0	20.1	30.1
120	22.5	17.8	26.6

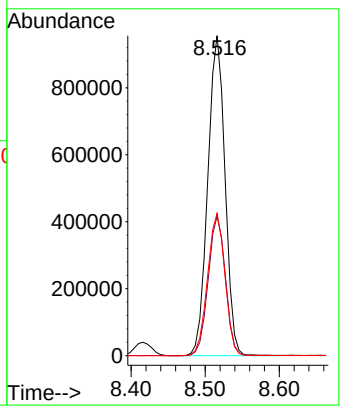




#23
Nitrobenzene-d5
Concen: 69.585 ng
RT: 8.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 82 Resp: 154453

Ion	Ratio	Lower	Upper
82	100		
128	43.6	32.3	48.5
54	44.5	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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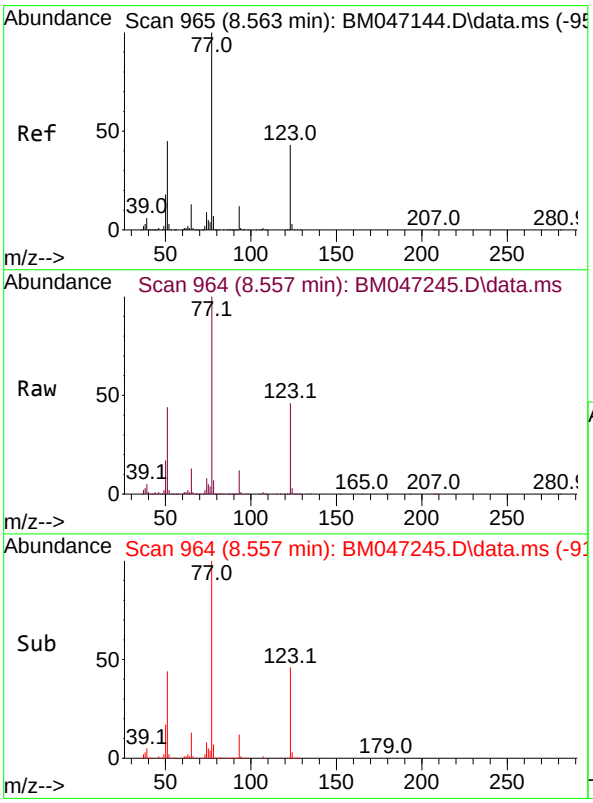
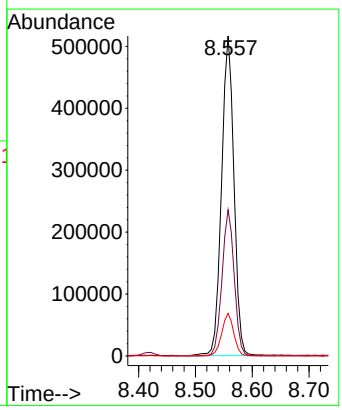
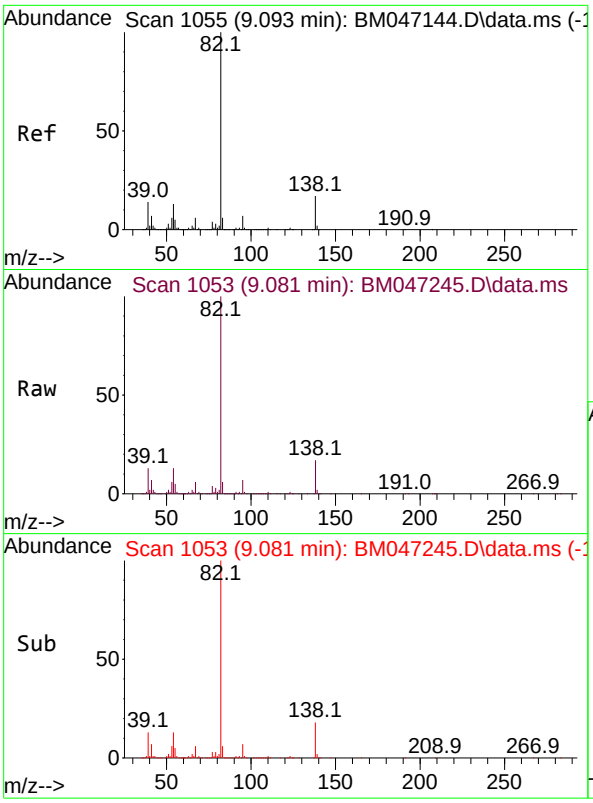


#24
Nitrobenzene
Concen: 35.161 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 77 Resp: 785862

Ion	Ratio	Lower	Upper
77	100		
123	45.6	34.0	51.0
65	13.3	10.5	15.7

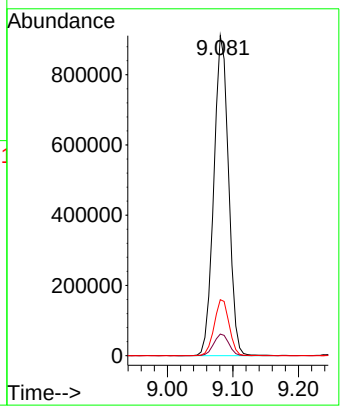




#25
Isophorone
Concen: 36.763 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 82 Resp: 142078

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.5	13.5	20.3



Instrument :
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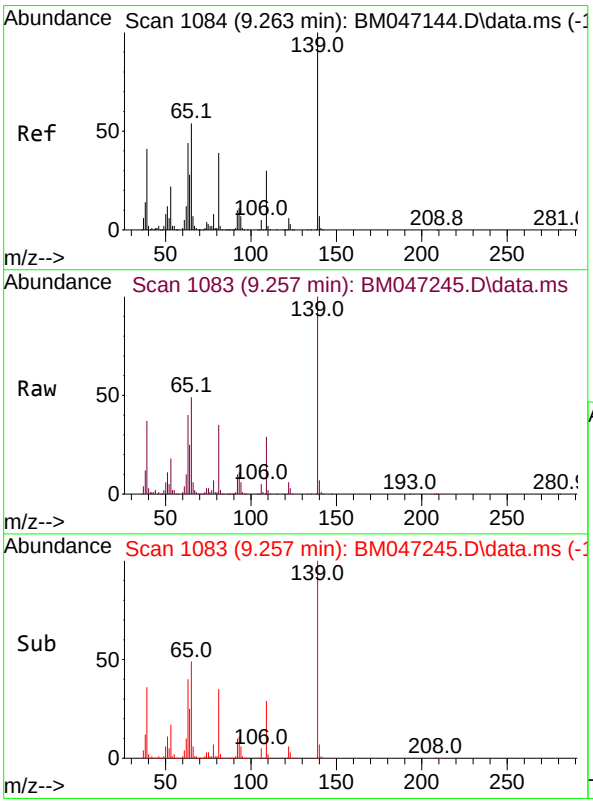
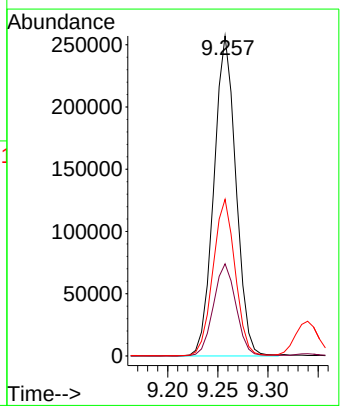
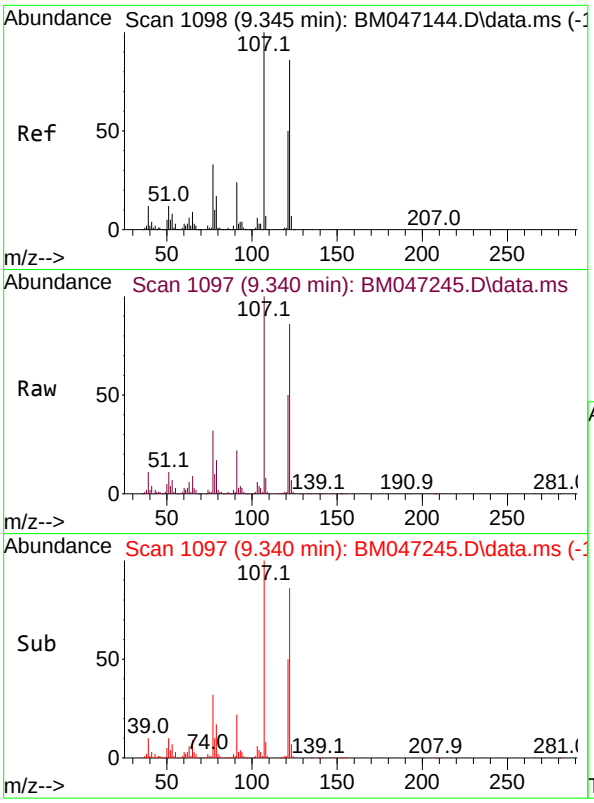


#26
2-Nitrophenol
Concen: 39.578 ng
RT: 9.257 min Scan# 1083
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:139 Resp: 391755

Ion	Ratio	Lower	Upper
139	100		
109	28.8	24.4	36.6
65	49.0	43.0	64.6

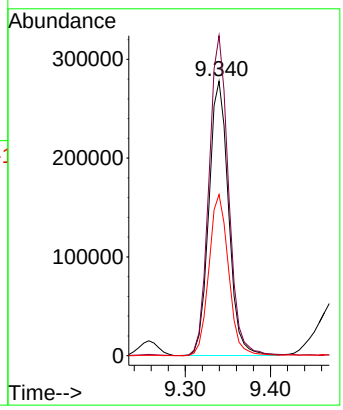




#27
2,4-Dimethylphenol
Concen: 38.384 ng
RT: 9.340 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:122 Resp: 44504

Ion	Ratio	Lower	Upper
122	100		
107	116.6	92.8	139.2
121	58.7	46.1	69.1



Instrument :
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ClientSampleId :
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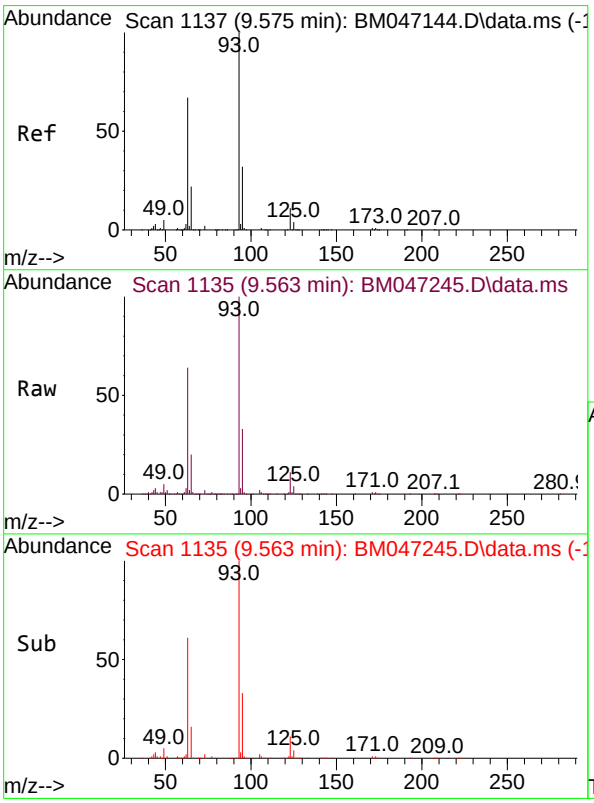
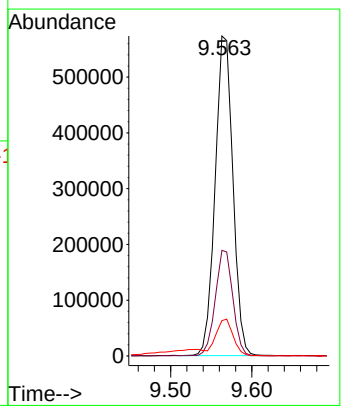
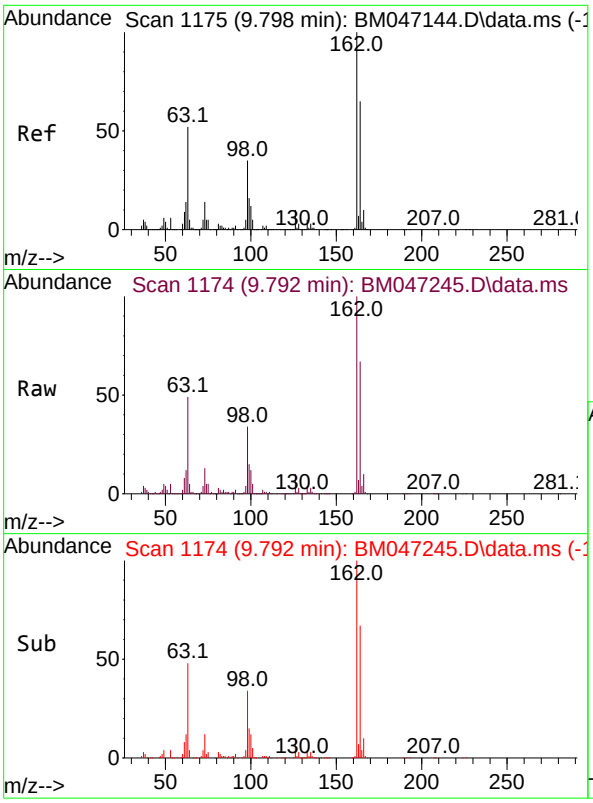


#28
bis(2-Chloroethoxy)methane
Concen: 35.845 ng
RT: 9.563 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 93 Resp: 871685

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	11.1	9.0	13.4

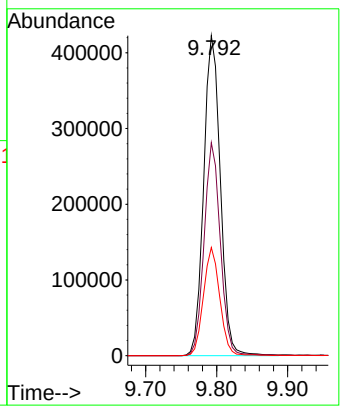




#29
2,4-Dichlorophenol
Concen: 40.237 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:162 Resp: 69223

Ion	Ratio	Lower	Upper
162	100		
164	66.5	44.7	84.7
98	33.8	14.9	54.9



Instrument :
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ClientSampleId :
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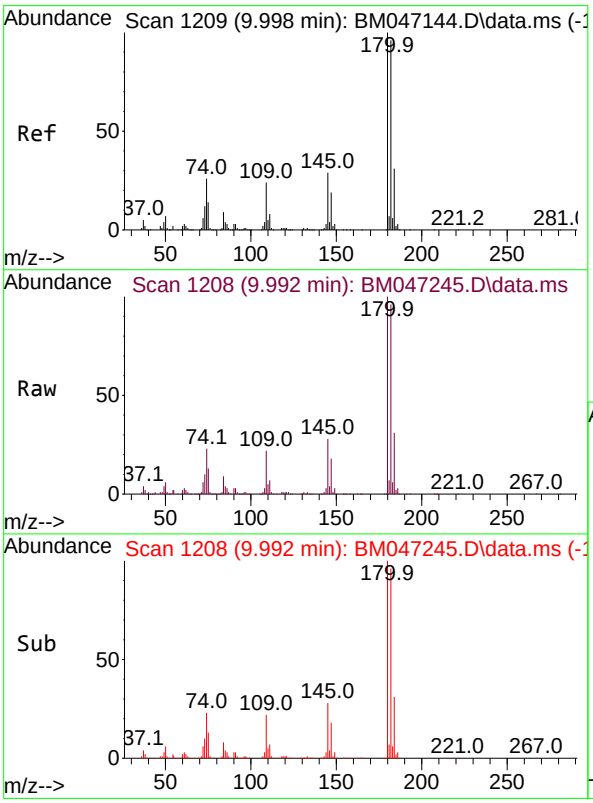
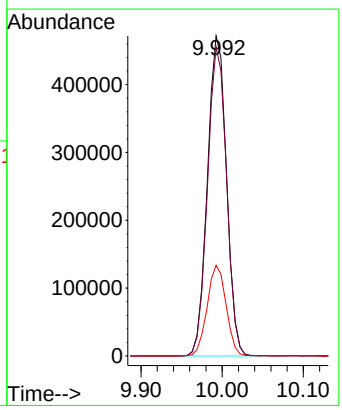
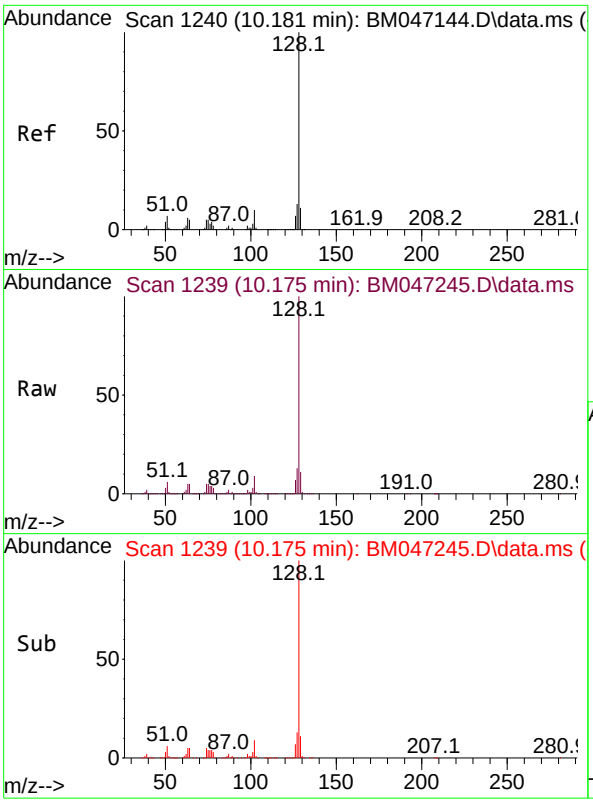


#30
1,2,4-Trichlorobenzene
Concen: 39.461 ng
RT: 9.992 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:180 Resp: 768282

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	115.0
145	28.4	23.4	35.2

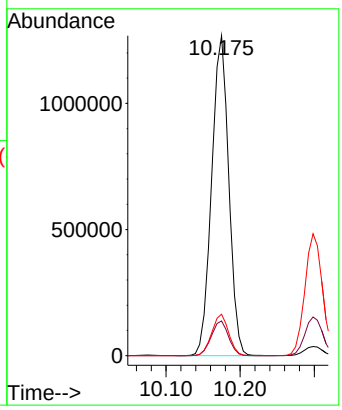




#31
Naphthalene
Concen: 36.472 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:128 Resp: 203068

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.9	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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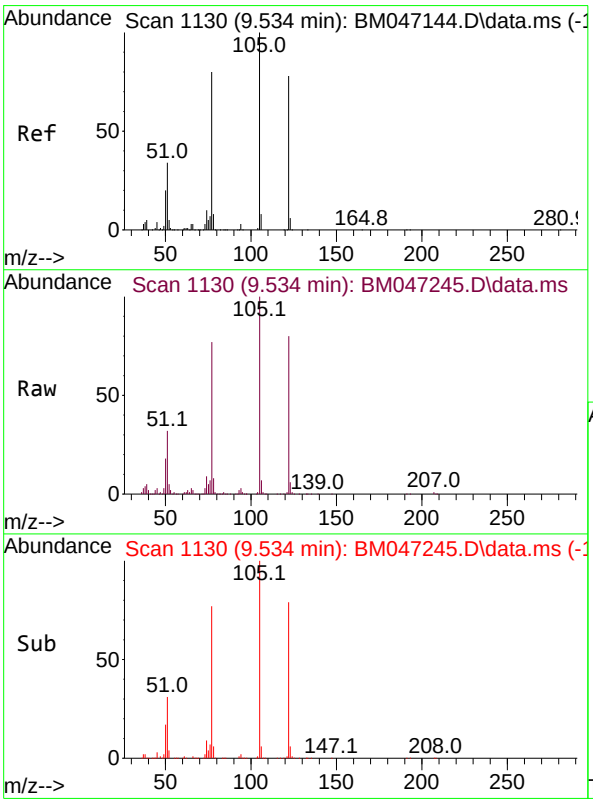
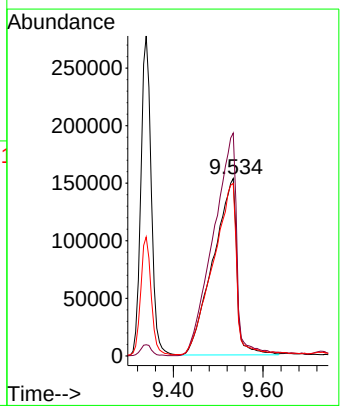
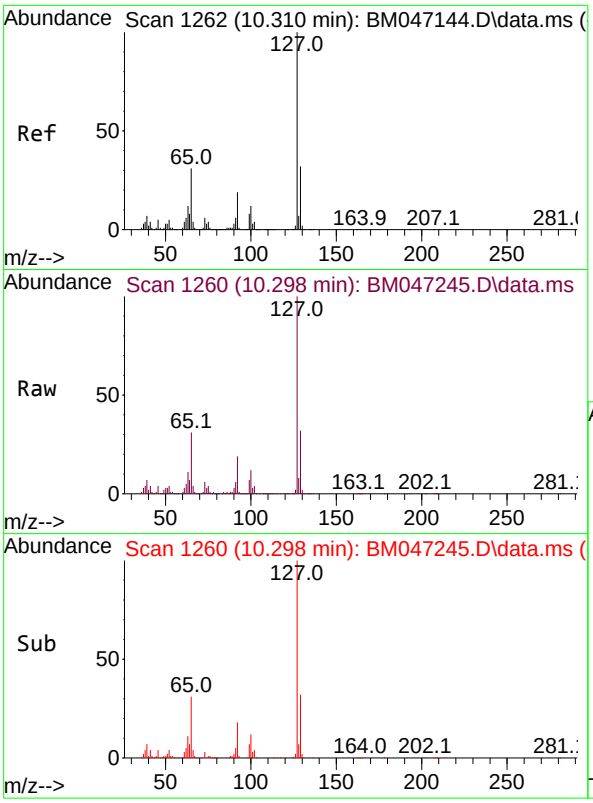


#32
Benzoic acid
Concen: 41.637 ng
RT: 9.534 min Scan# 1130
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:122 Resp: 560880

Ion	Ratio	Lower	Upper
122	100		
105	125.6	107.1	147.1
77	97.2	82.1	122.1

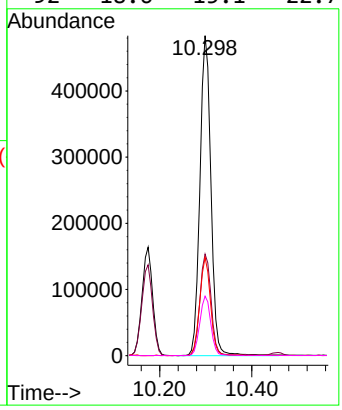




#33
4-Chloroaniline
Concen: 37.779 ng
RT: 10.298 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:127 Resp: 80888

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	30.7	24.9	37.3
92	18.6	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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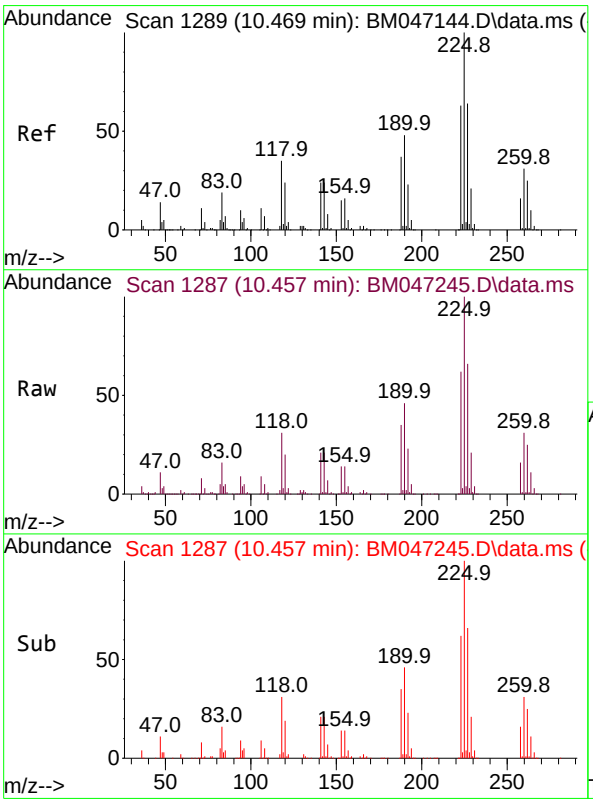
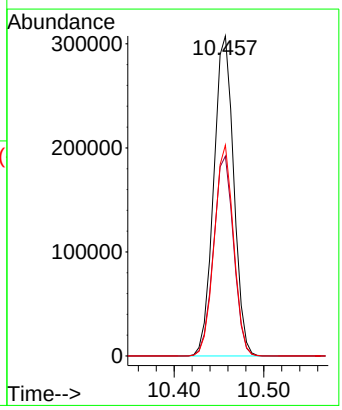
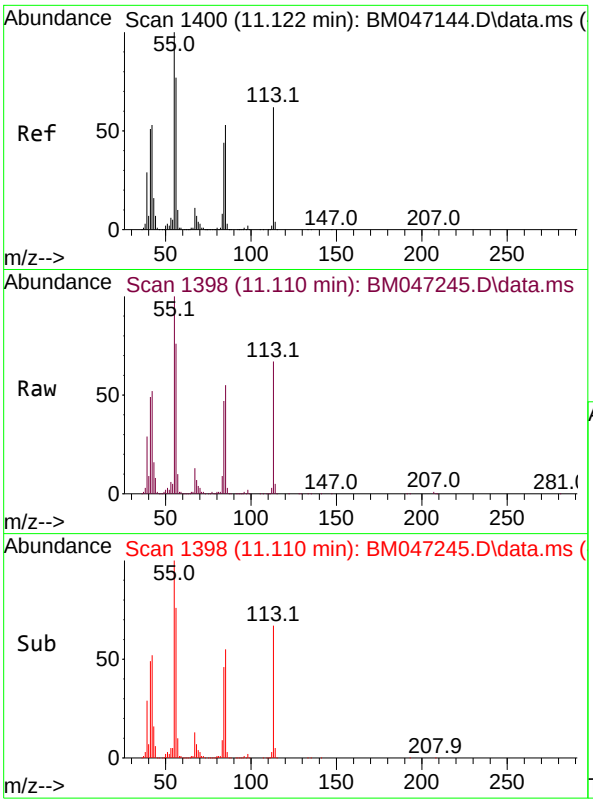


#34
Hexachlorobutadiene
Concen: 41.770 ng
RT: 10.457 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:225 Resp: 475986

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.2	75.2
227	65.9	51.4	77.0

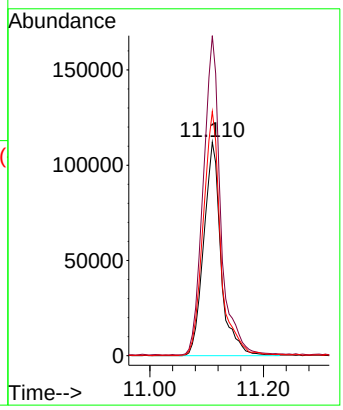




#35
Caprolactam
Concen: 39.472 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:113 Resp: 23582

Ion	Ratio	Lower	Upper
113	100		
55	149.9	140.5	180.5
56	114.4	103.6	143.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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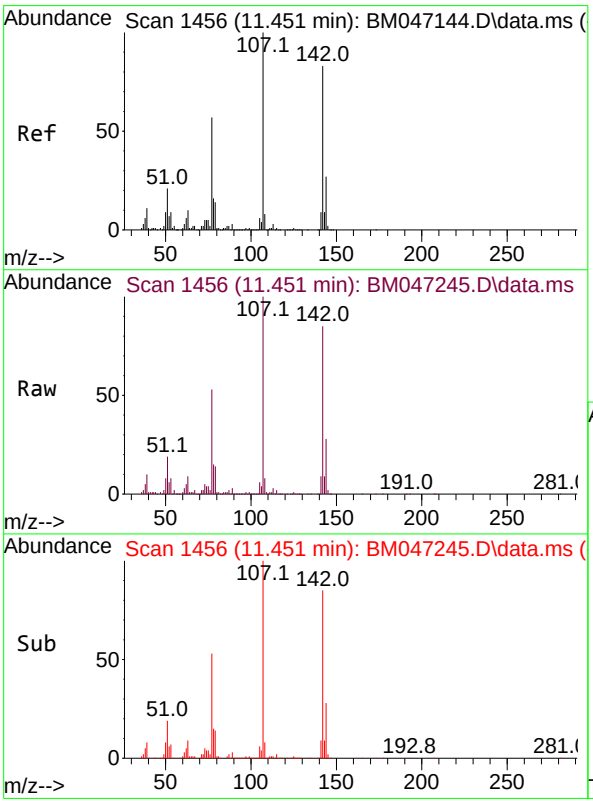
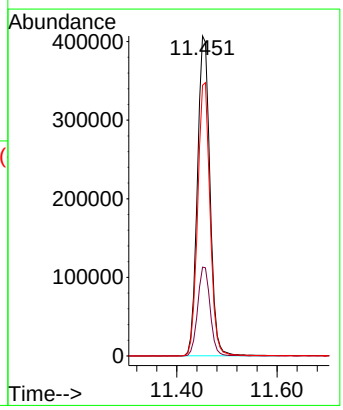
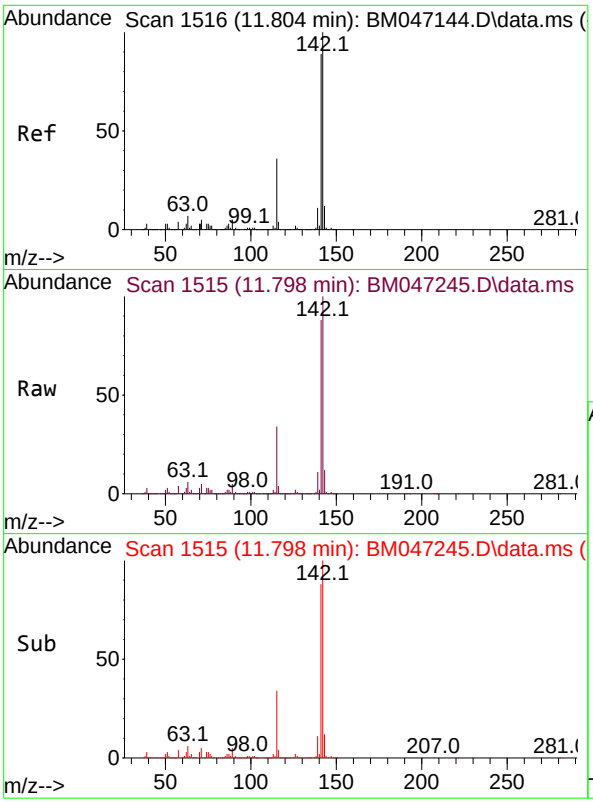


#36
4-Chloro-3-methylphenol
Concen: 38.570 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:107 Resp: 706688

Ion	Ratio	Lower	Upper
107	100		
144	27.8	21.8	32.6
142	84.6	66.8	100.2

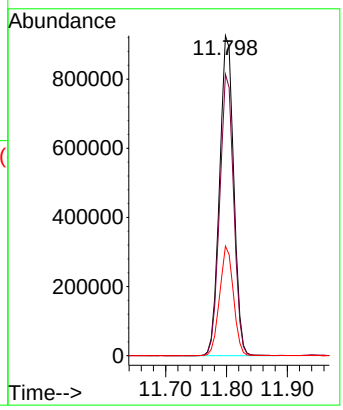




#37
2-Methylnaphthalene
Concen: 37.618 ng
RT: 11.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:142 Resp: 149129

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.9	106.3
115	34.2	28.7	43.1



Instrument :
BNA_M
ClientSampleId :
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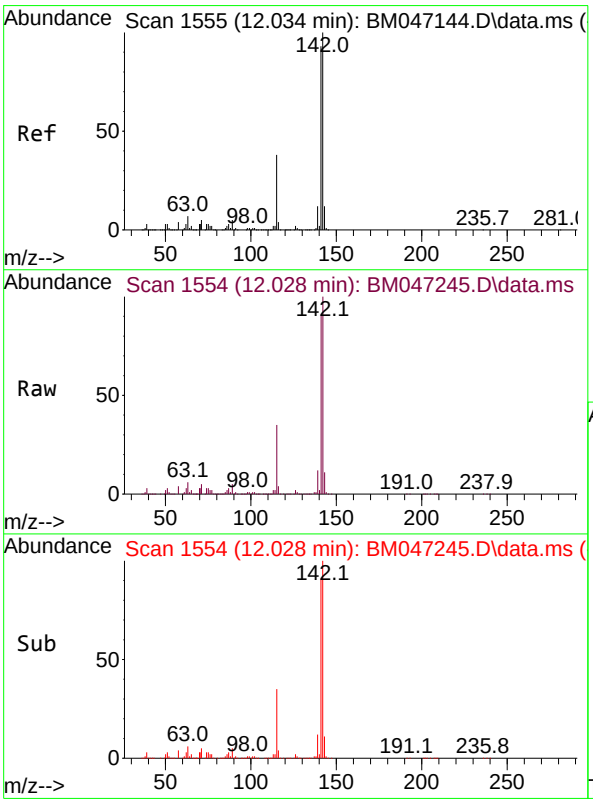
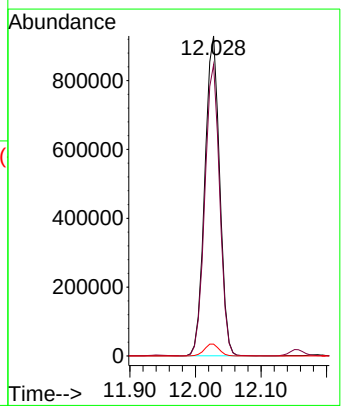
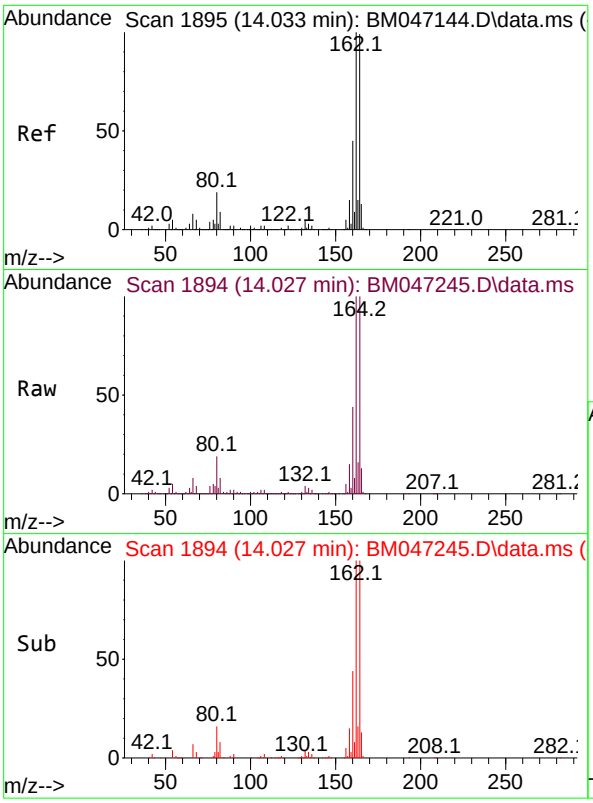


#38
1-Methylnaphthalene
Concen: 37.334 ng
RT: 12.028 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:142 Resp: 1462706

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.6	111.8
116	3.7	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: BM047245.D
Acq: 19 Aug 2024 09:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 77450

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.7	121.1
160	44.2	36.0	54.0

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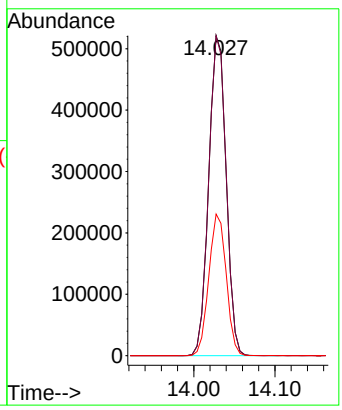
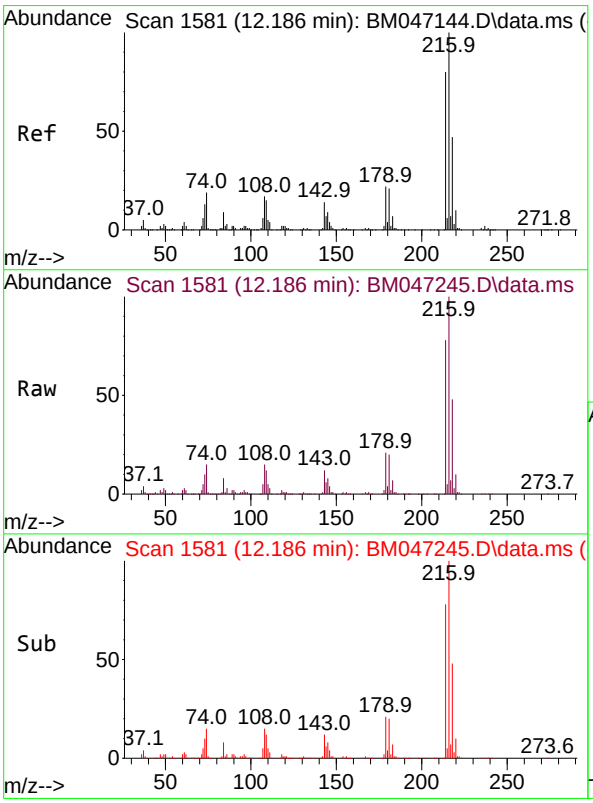
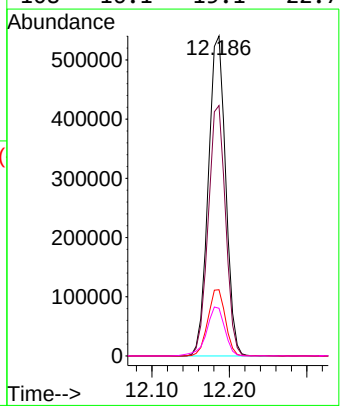


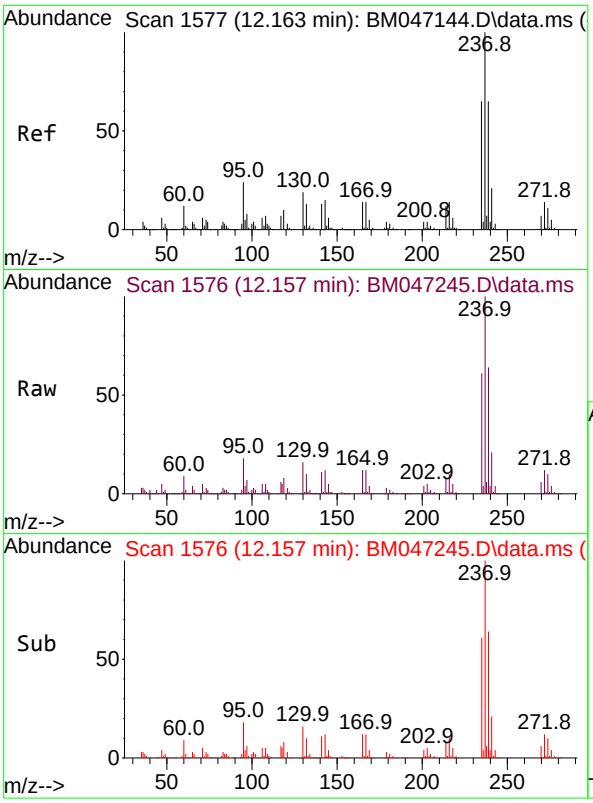


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.847 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:216 Resp: 841763

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.4	95.2
179	20.9	17.6	26.4
108	16.1	15.1	22.7

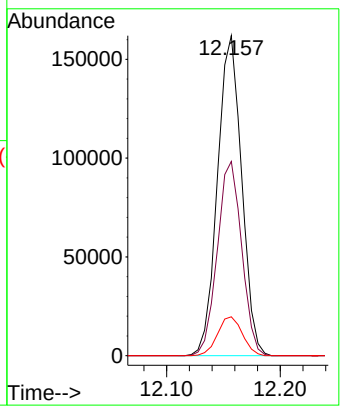




#41
Hexachlorocyclopentadiene
Concen: 32.439 ng
RT: 12.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:237 Resp: 23928

Ion	Ratio	Lower	Upper
237	100		
235	60.7	44.8	84.8
272	12.1	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
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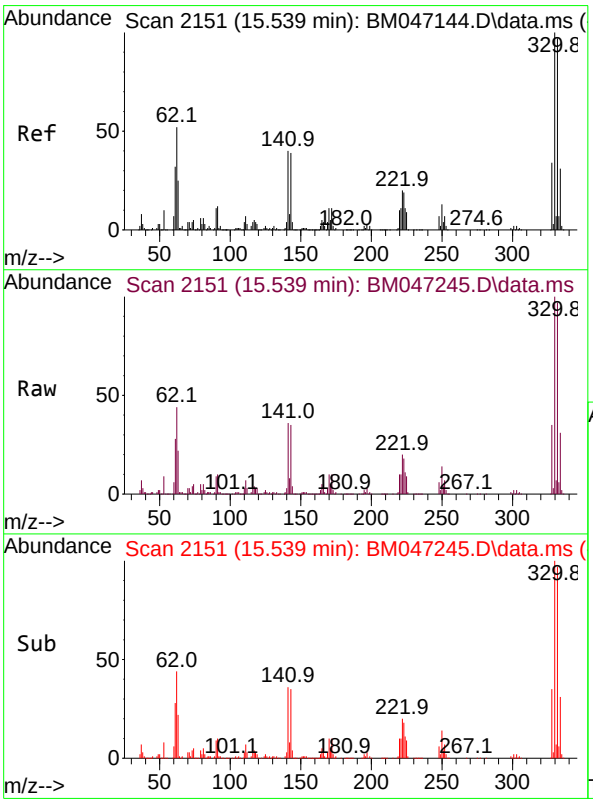
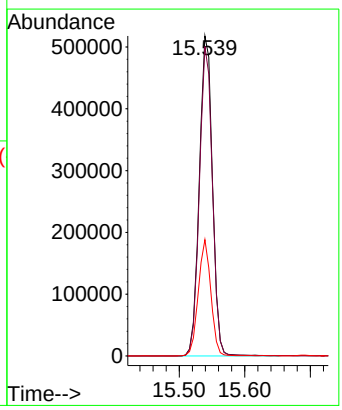
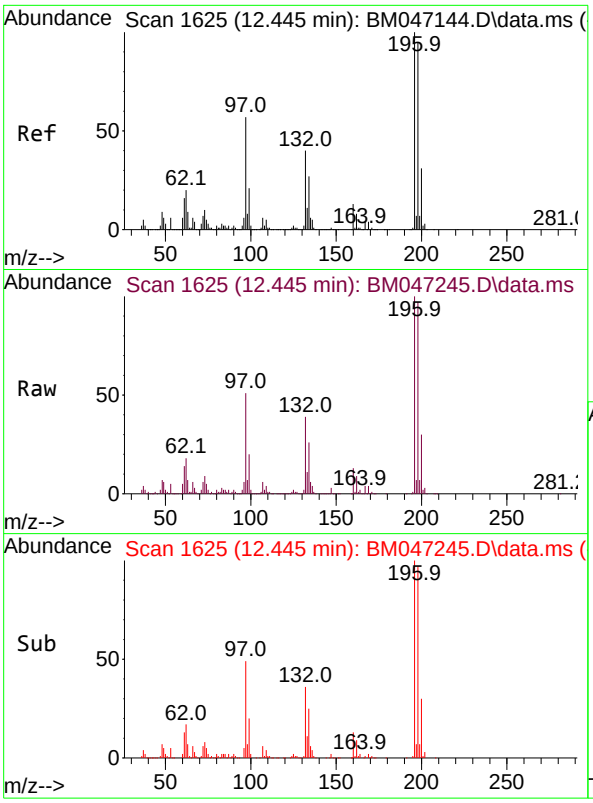


#42
2,4,6-Tribromophenol
Concen: 80.421 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:330 Resp: 722218

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.2
141	34.9	31.6	47.4

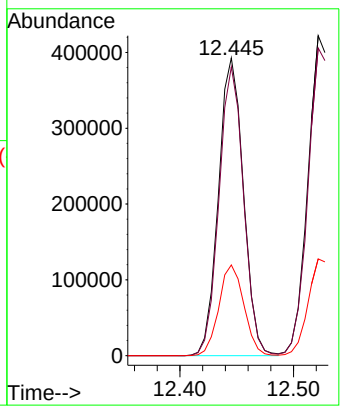




#43
2,4,6-Trichlorophenol
Concen: 39.935 ng
RT: 12.445 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:196 Resp: 59962

Ion	Ratio	Lower	Upper
196	100		
198	97.0	75.6	113.4
200	30.5	24.6	37.0



Instrument :
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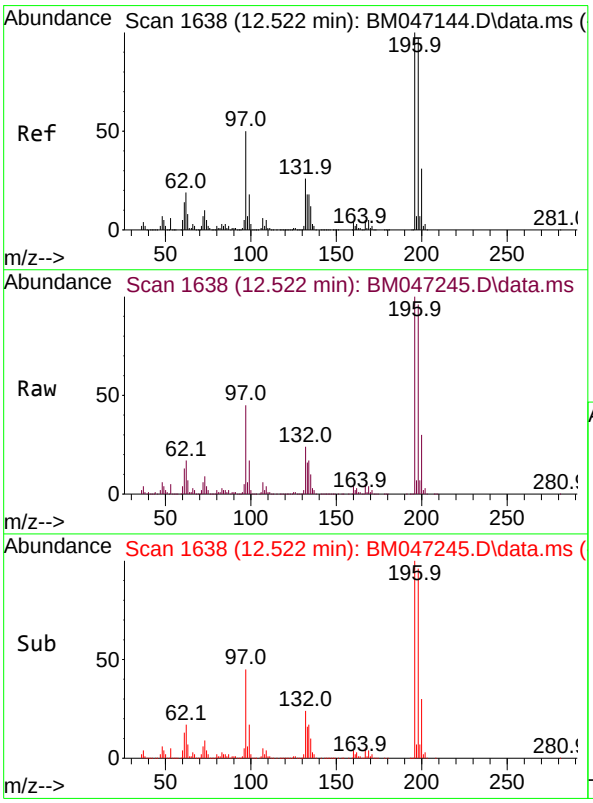
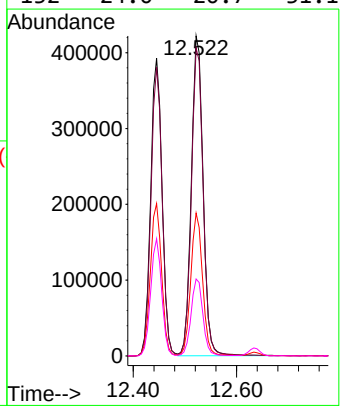
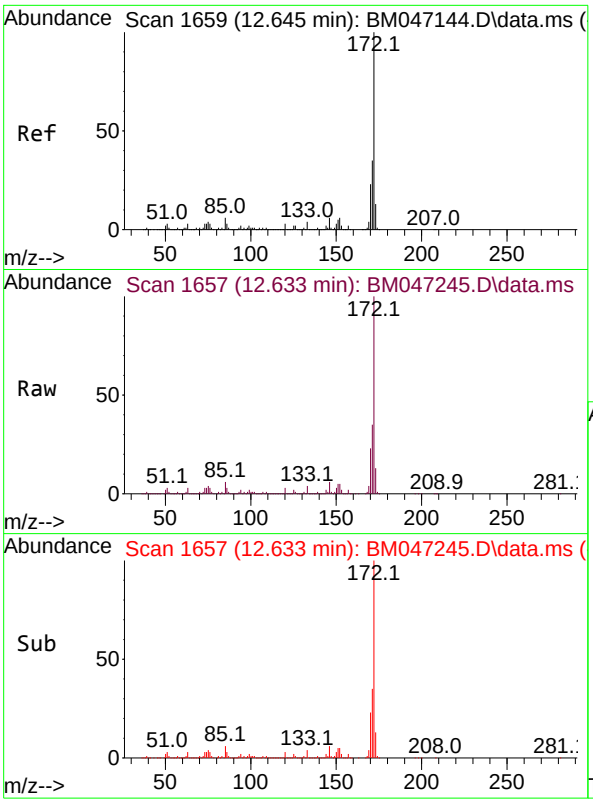


#44
2,4,5-Trichlorophenol
Concen: 40.092 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:196 Resp: 668381

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.7	116.5
97	44.6	39.8	59.8
132	24.0	20.7	31.1

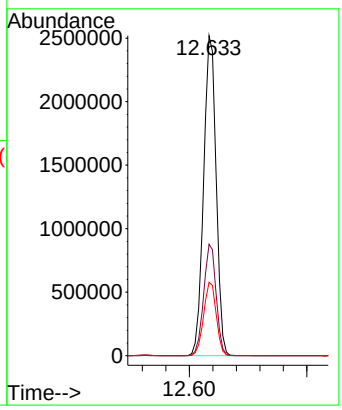




#45
2-Fluorobiphenyl
Concen: 74.203 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:172 Resp: 372575

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.0	18.7	28.1



Instrument :
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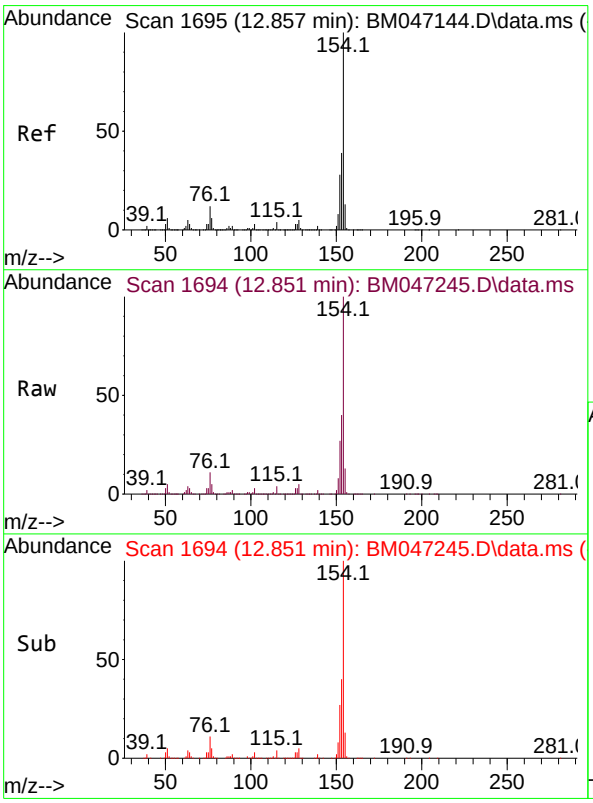
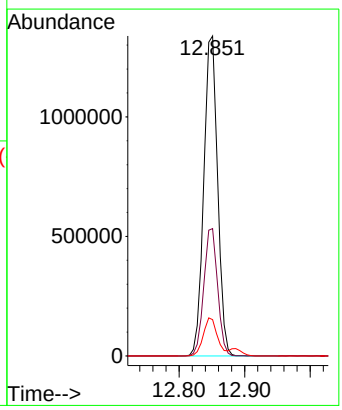
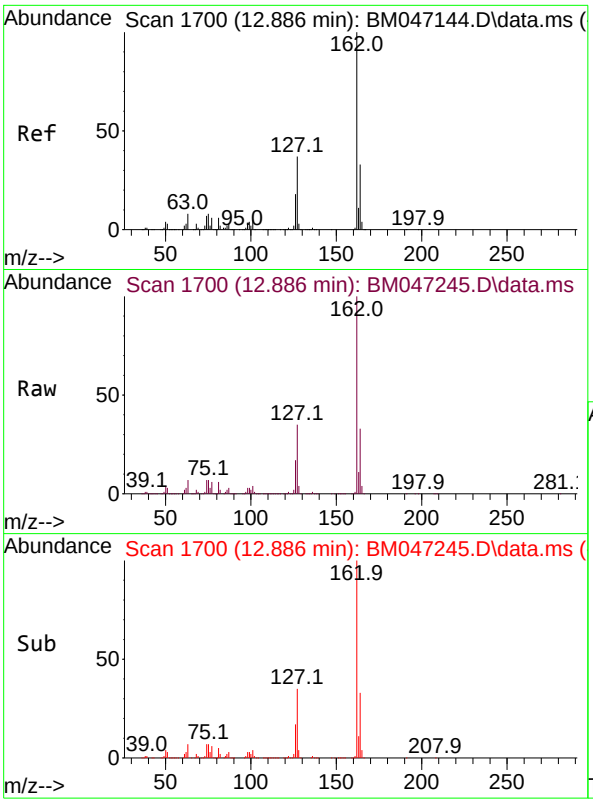


#46
1,1'-Biphenyl
Concen: 35.675 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:154 Resp: 1967045

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.0	59.0
76	11.4	0.0	31.9

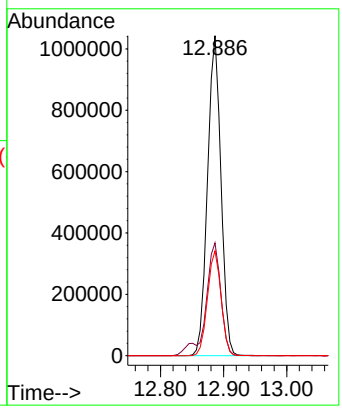




#47
2-Chloronaphthalene
Concen: 35.695 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:162 Resp: 153829

Ion	Ratio	Lower	Upper
162	100		
127	35.3	30.0	45.0
164	32.8	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
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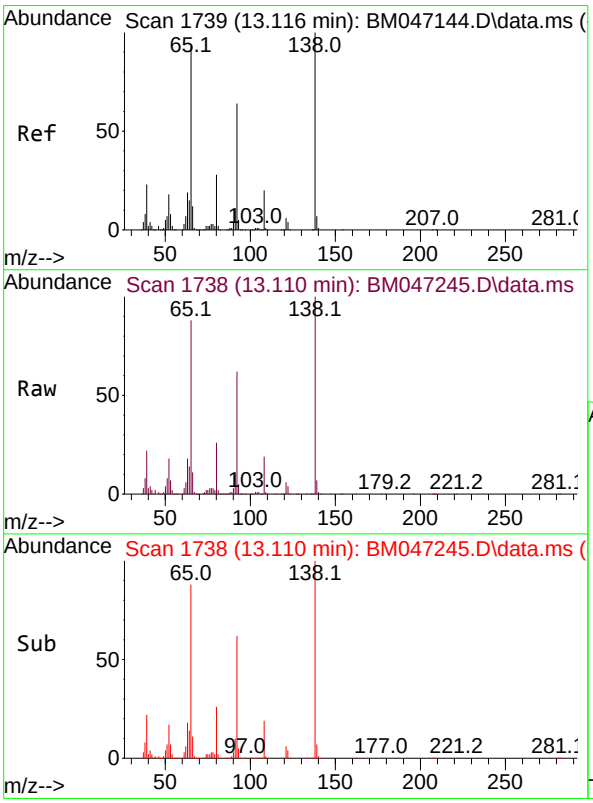
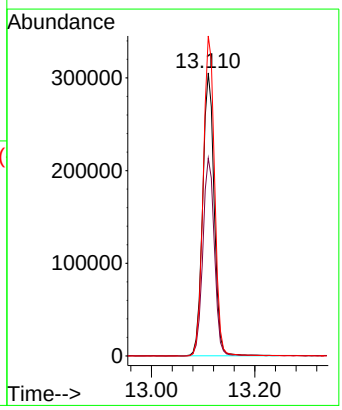
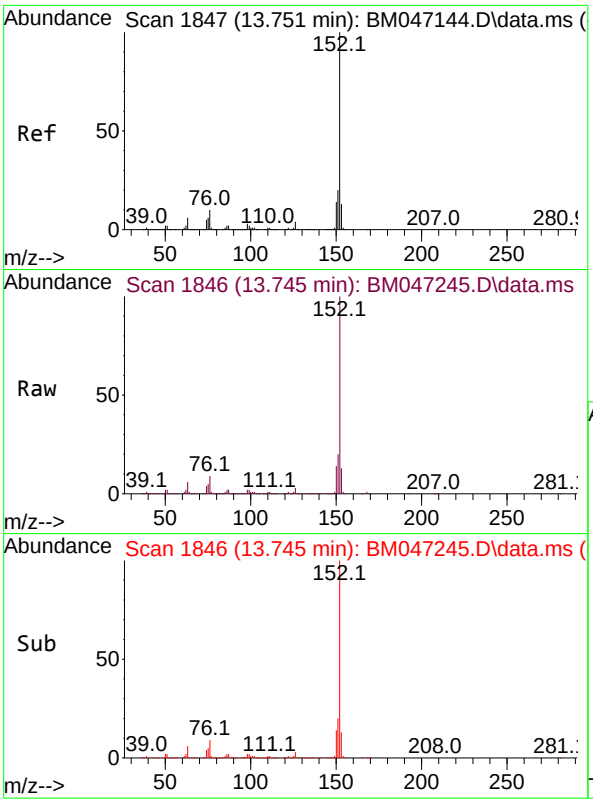


#48
2-Nitroaniline
Concen: 34.845 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 65 Resp: 470455

Ion	Ratio	Lower	Upper
65	100		
92	69.9	55.1	82.7
138	113.1	85.9	128.9

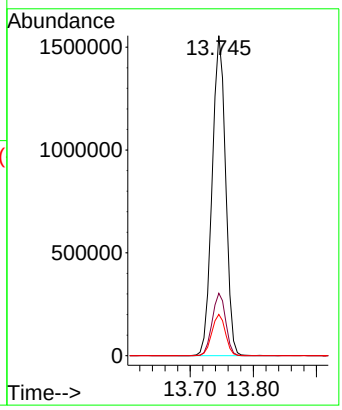




#49
Acenaphthylene
Concen: 36.146 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:152 Resp: 229615

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	12.9	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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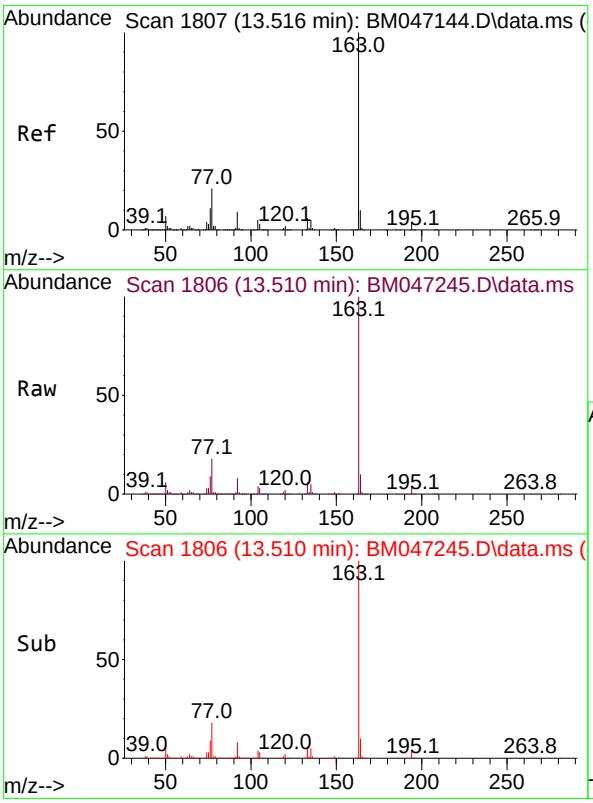
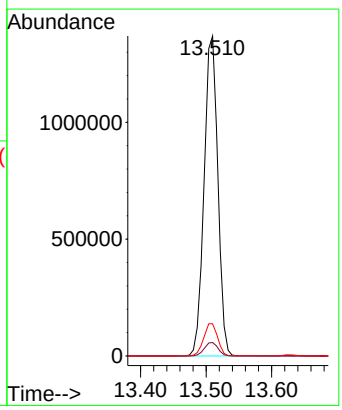
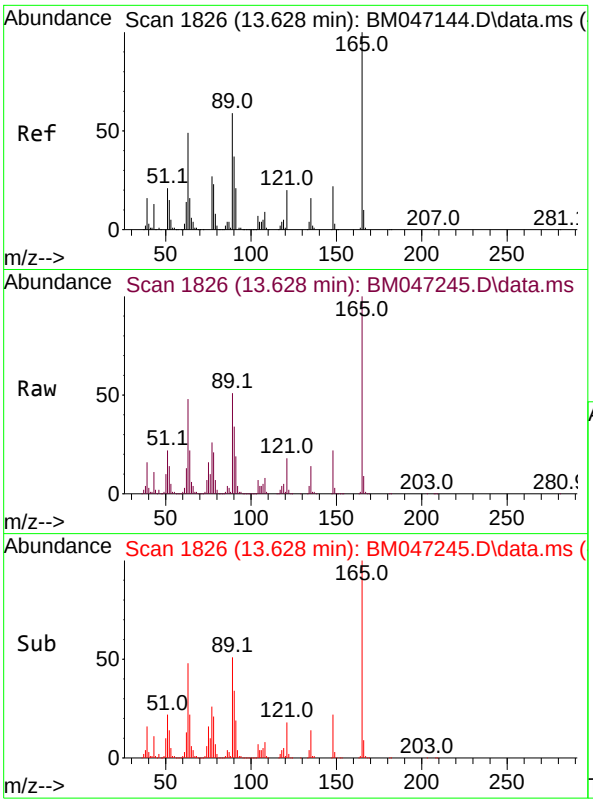


#50
Dimethylphthalate
Concen: 36.964 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:163 Resp: 1999459

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.0	8.0	12.0

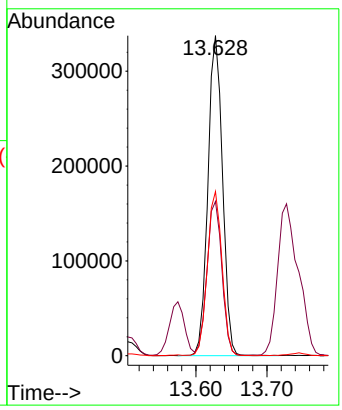




#51
2,6-Dinitrotoluene
Concen: 38.107 ng
RT: 13.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:165 Resp: 48185

Ion	Ratio	Lower	Upper
165	100		
63	48.2	46.5	69.7
89	51.3	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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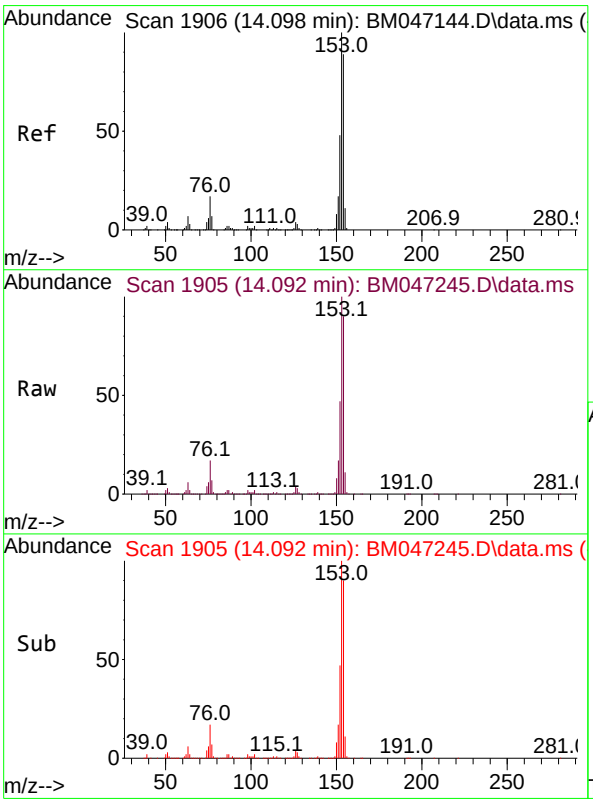
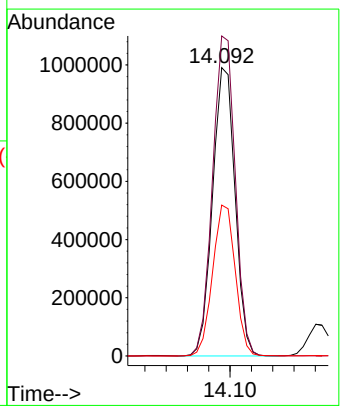
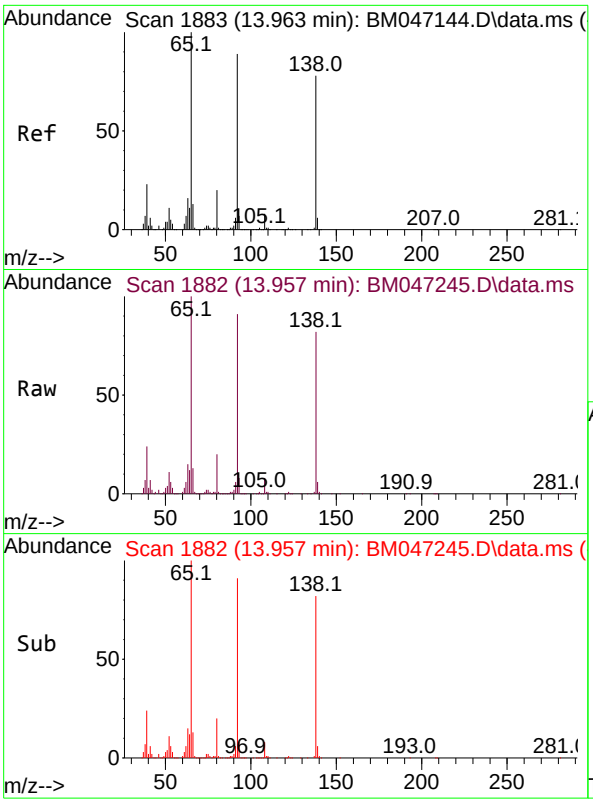


#52
Acenaphthene
Concen: 36.049 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:154 Resp: 1452604

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.3	135.5
152	52.3	42.9	64.3





#53
3-Nitroaniline
Concen: 37.363 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:138 Resp: 47340

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.9	11.9
92	111.3	92.0	138.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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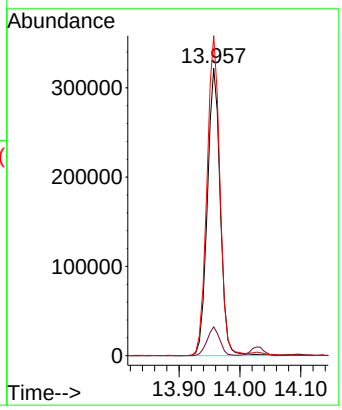
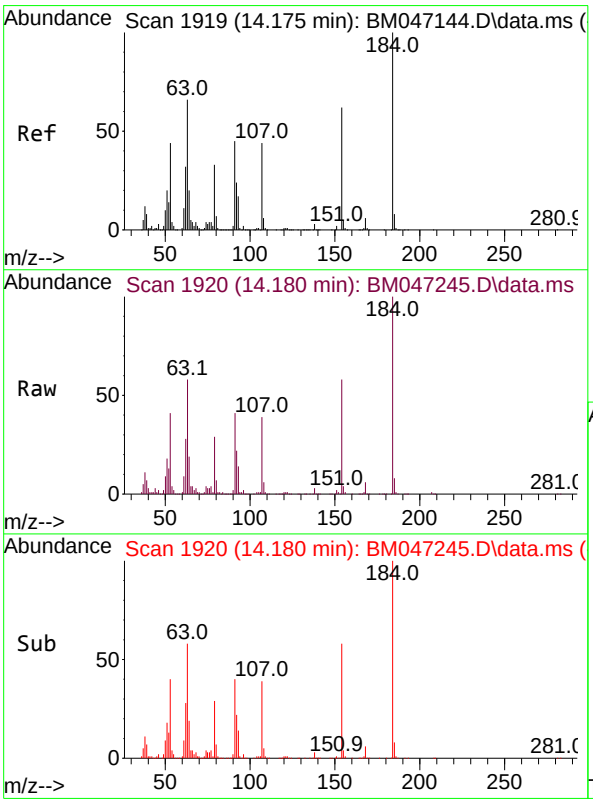
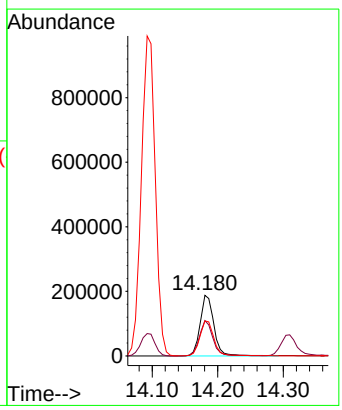


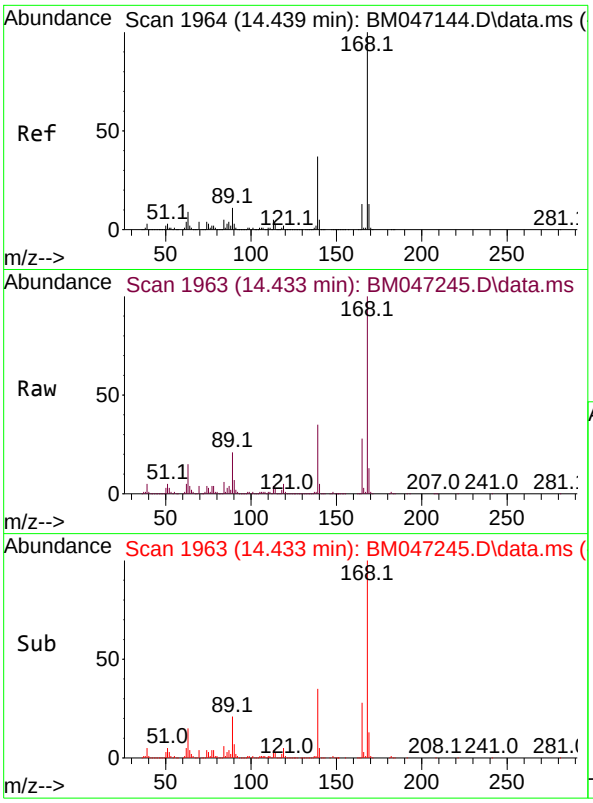


#54
2,4-Dinitrophenol
Concen: 36.181 ng
RT: 14.180 min Scan# 1920
Delta R.T. 0.005 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:184 Resp: 274199

Ion	Ratio	Lower	Upper
184	100		
63	58.3	52.7	79.1
154	57.8	50.4	75.6

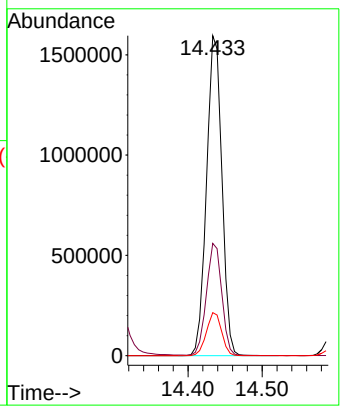




#55
Dibenzofuran
Concen: 36.080 ng
RT: 14.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:168 Resp: 229645

Ion	Ratio	Lower	Upper
168	100		
139	35.1	29.6	44.4
169	13.5	10.7	16.1



Instrument :
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ClientSampleId :
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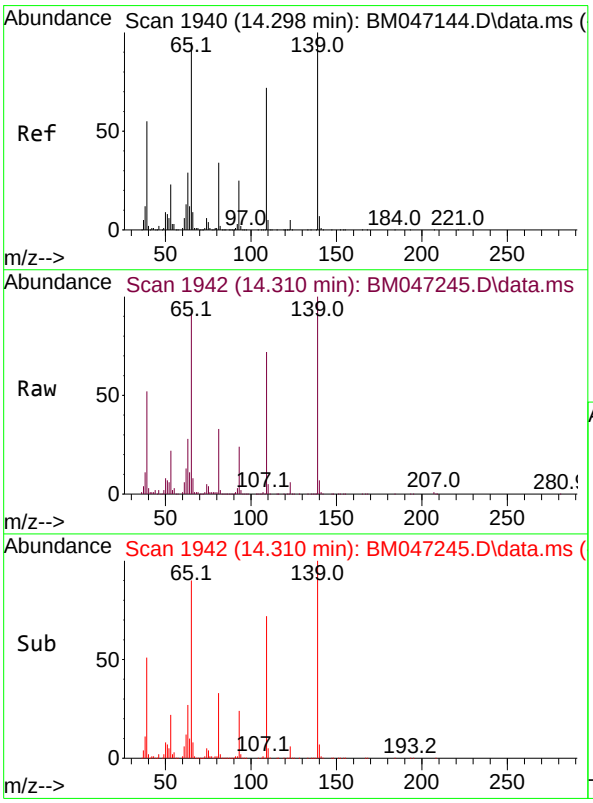
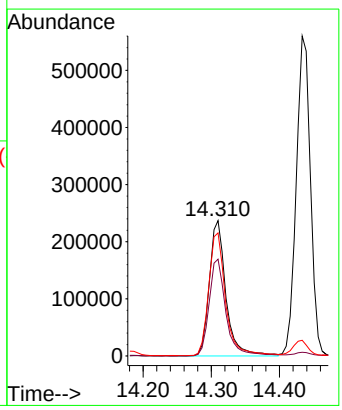
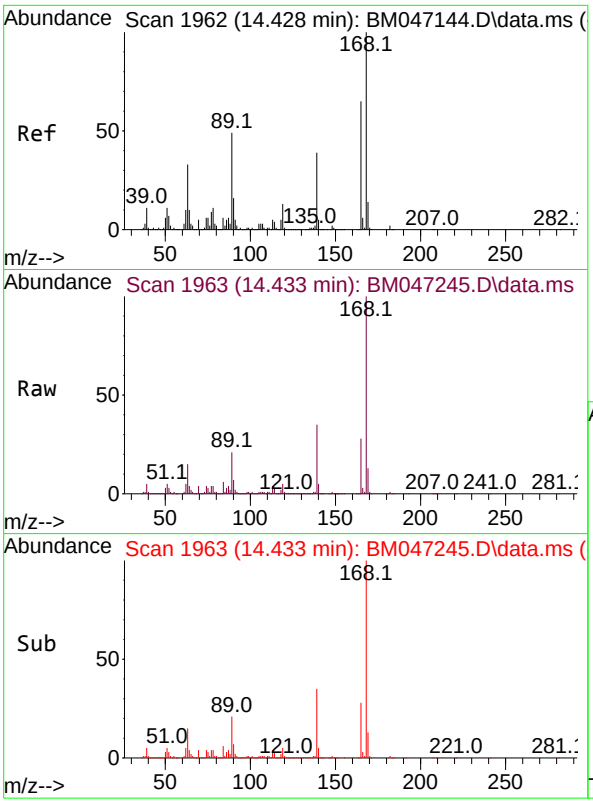


#56
4-Nitrophenol
Concen: 36.695 ng
RT: 14.310 min Scan# 1942
Delta R.T. 0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:139 Resp: 400919

Ion	Ratio	Lower	Upper
139	100		
109	71.5	52.5	92.5
65	90.9	75.4	115.4

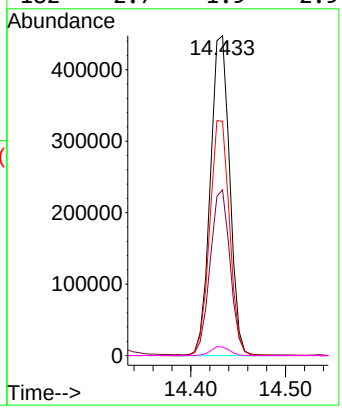




#57
2,4-Dinitrotoluene
Concen: 37.626 ng
RT: 14.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:165 Resp: 63504

Ion	Ratio	Lower	Upper
165	100		
63	51.8	40.3	60.5
89	73.2	61.0	91.6
182	2.7	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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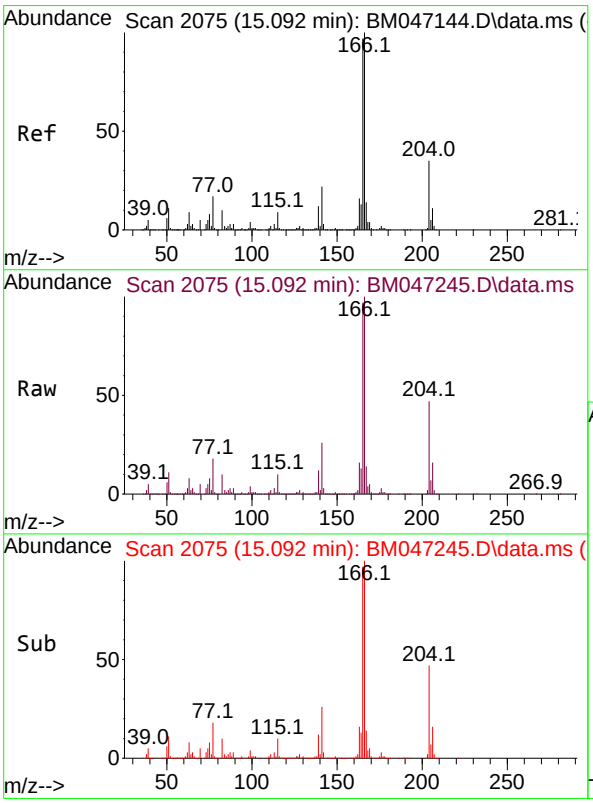
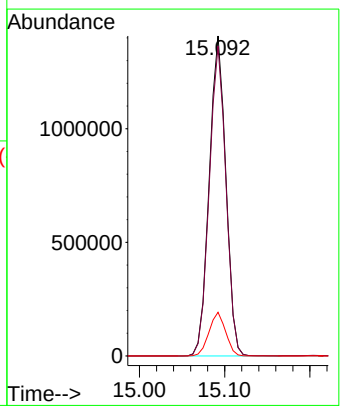
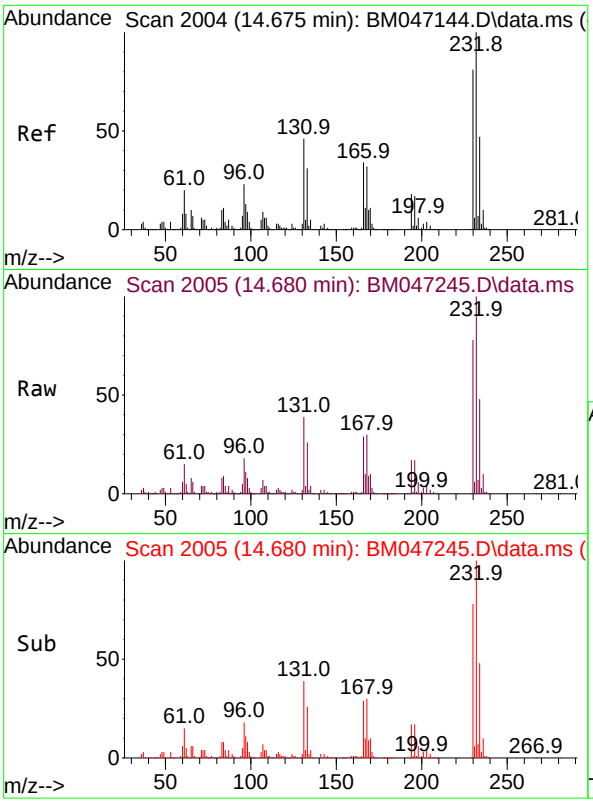


#58
Fluorene
Concen: 36.346 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:166 Resp: 1908826

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.4	116.0
167	13.6	11.0	16.6

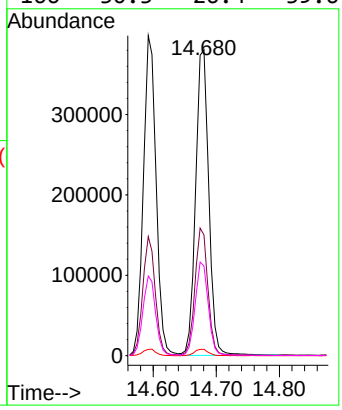




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.178 ng
RT: 14.680 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:232 Resp: 55049

Ion	Ratio	Lower	Upper
232	100		
131	40.6	36.9	55.3
130	2.2	2.0	3.0
166	30.3	26.4	39.6



Instrument :
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ClientSampleId :
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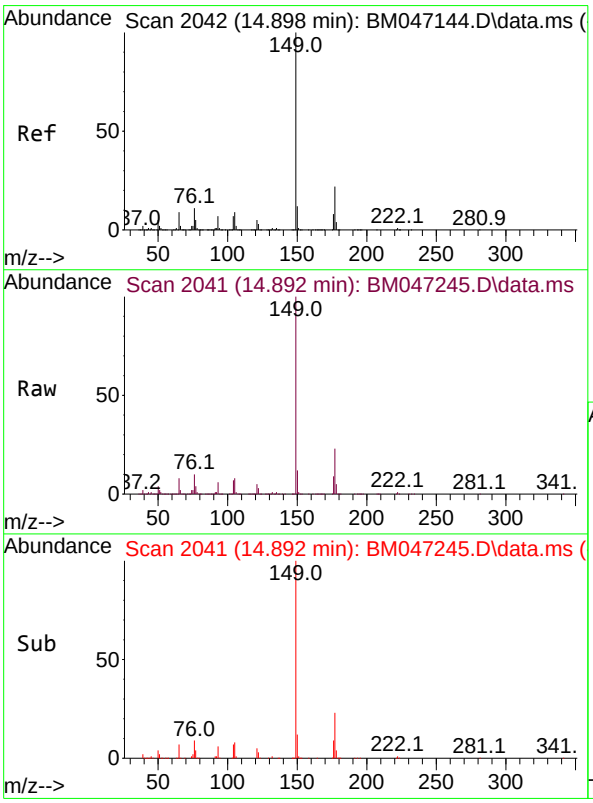
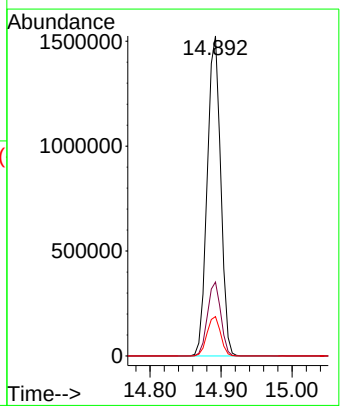
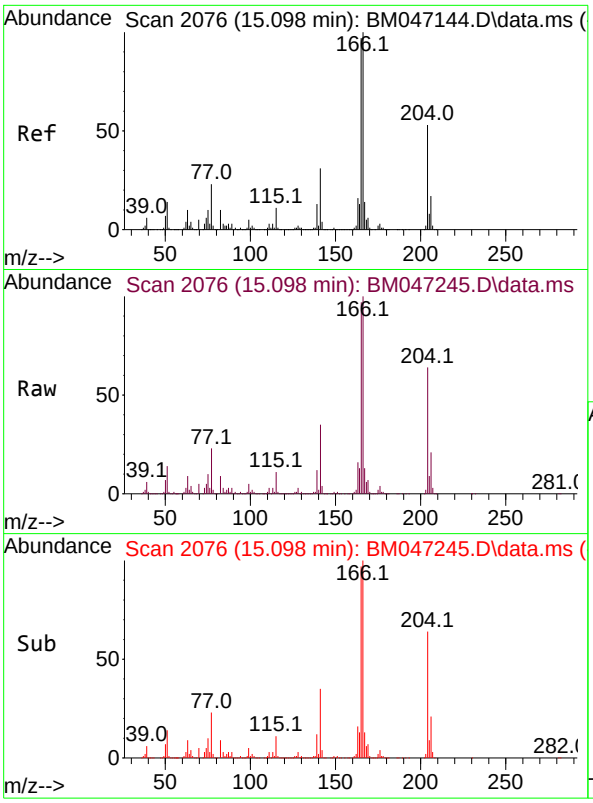


#60
Diethylphthalate
Concen: 36.316 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:149 Resp: 2006026

Ion	Ratio	Lower	Upper
149	100		
177	23.1	17.6	26.4
150	12.3	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 37.746 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:204 Resp: 94373

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.4
141	54.5	47.2	70.8

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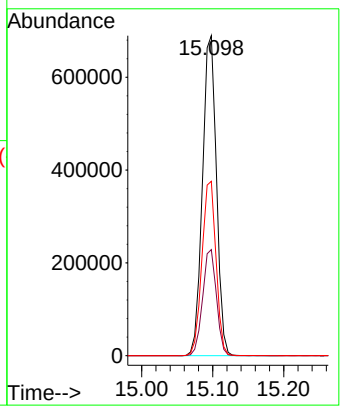
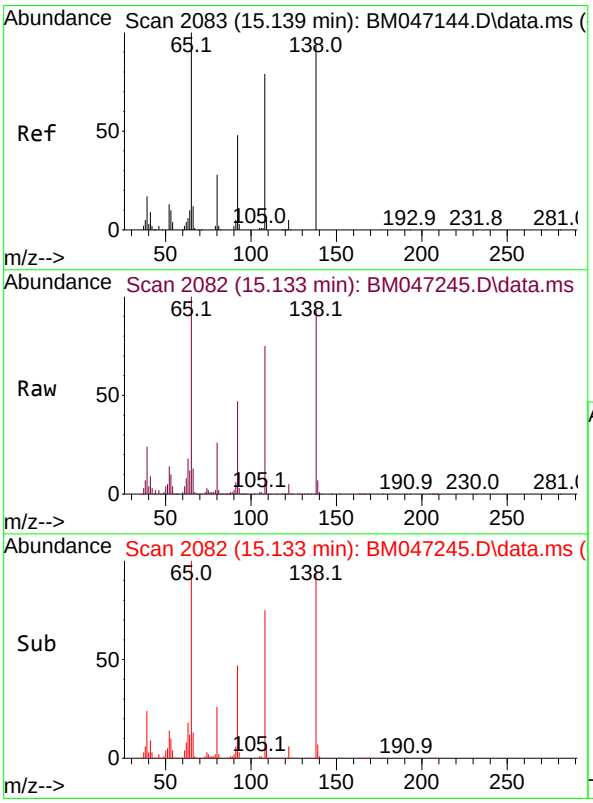
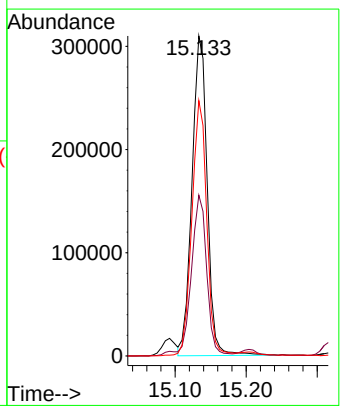


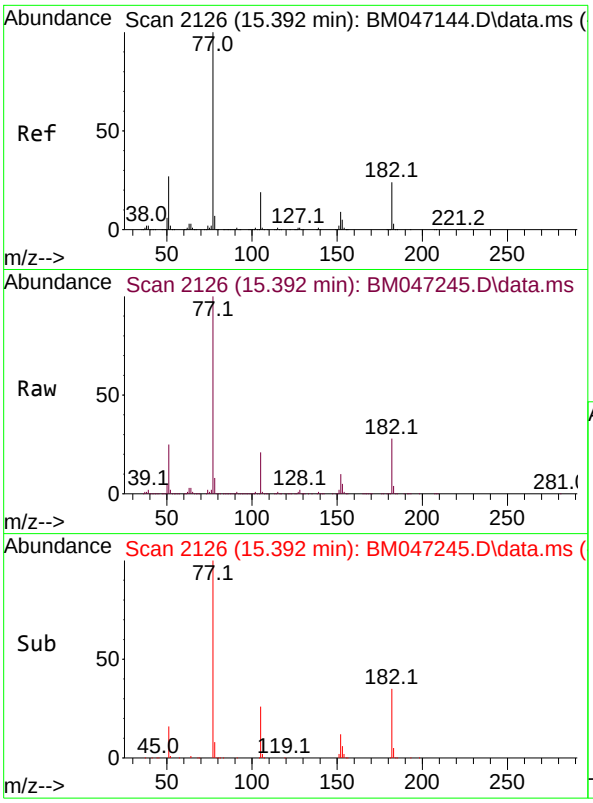


#62
4-Nitroaniline
Concen: 37.048 ng
RT: 15.133 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:138 Resp: 462456

Ion	Ratio	Lower	Upper
138	100		
92	50.3	31.9	71.9
108	79.8	63.8	103.8

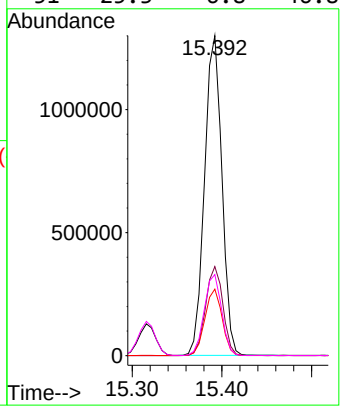




#63
Azobenzene
Concen: 33.274 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion: 77 Resp: 174271

Ion	Ratio	Lower	Upper
77	100		
182	27.8	3.8	43.8
105	20.8	0.0	39.5
51	25.3	6.8	46.8



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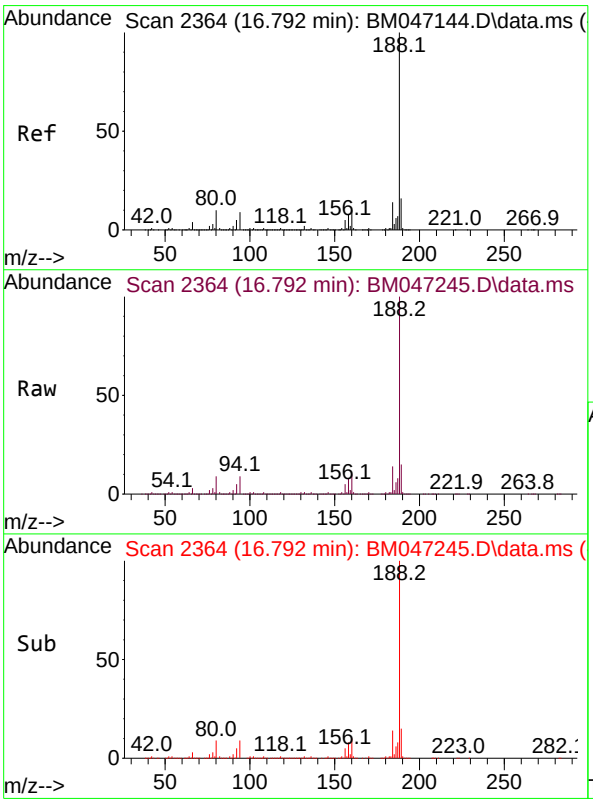
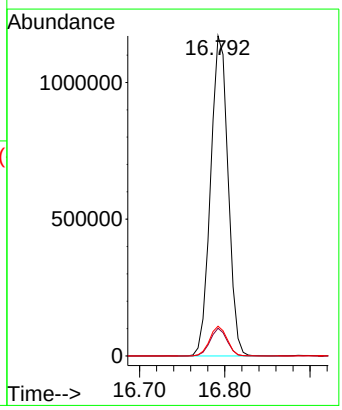
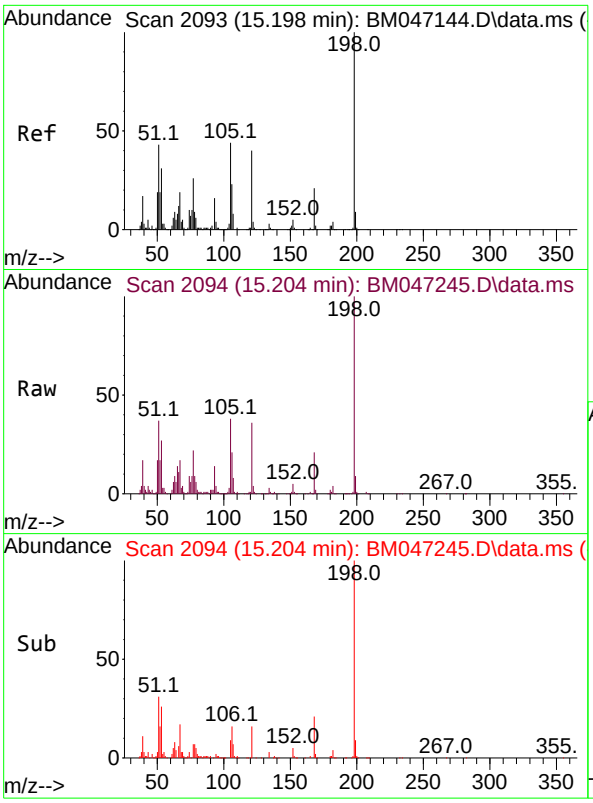


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:188 Resp: 1666055

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.0	10.6
80	9.3	8.0	12.0

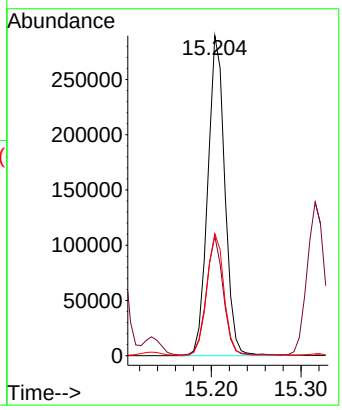




#65
4,6-Dinitro-2-methylphenol
Concen: 39.198 ng
RT: 15.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:198 Resp: 38235

Ion	Ratio	Lower	Upper
198	100		
51	37.4	23.9	63.9
105	38.2	24.3	64.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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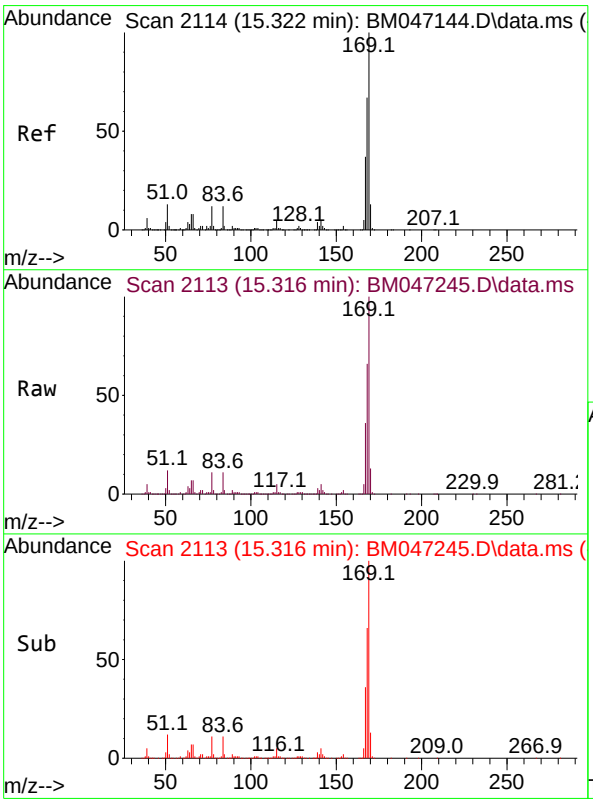
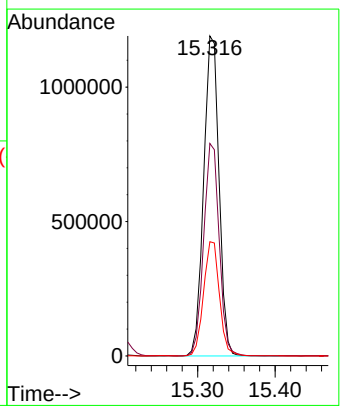
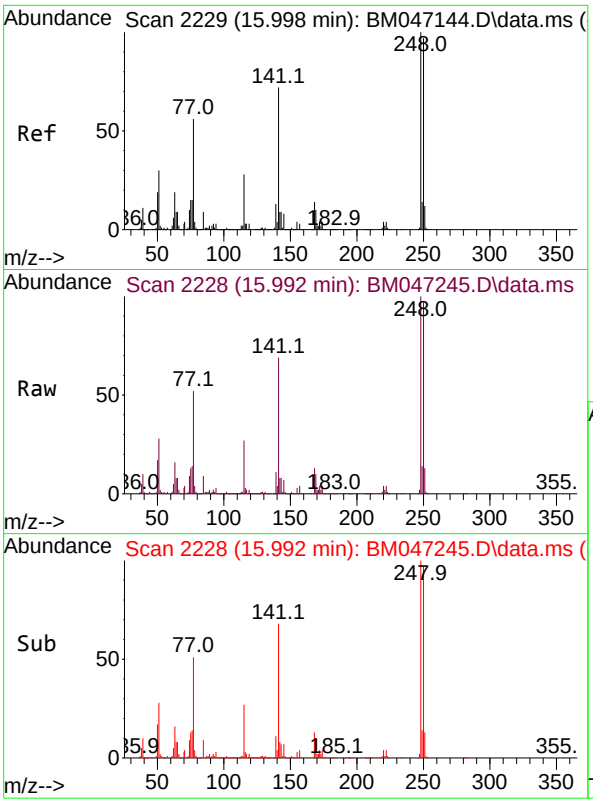


#66
n-Nitrosodiphenylamine
Concen: 36.072 ng
RT: 15.316 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:169 Resp: 1636928

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.8	80.8
167	35.7	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 38.724 ng
RT: 15.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:248 Resp: 62168

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.8	116.8
141	68.6	57.7	86.5

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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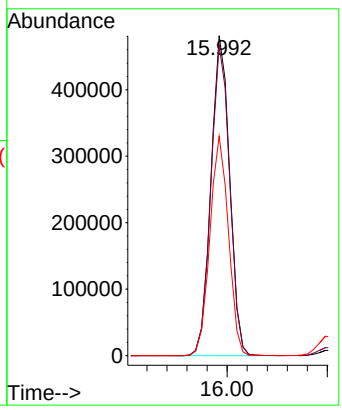
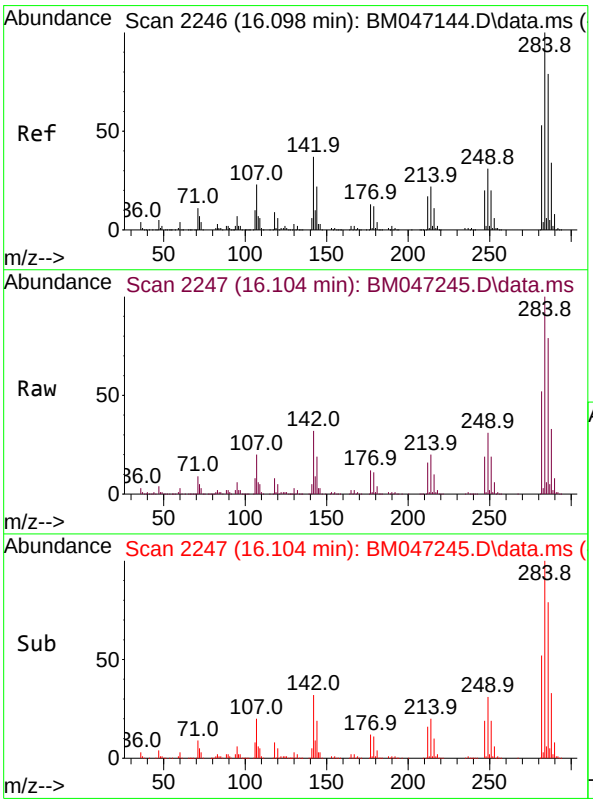
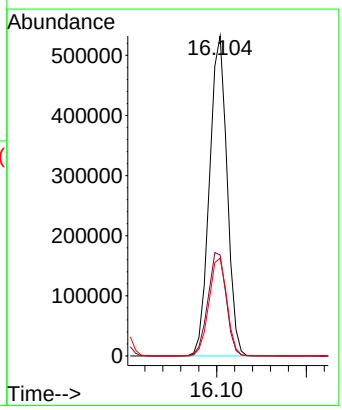


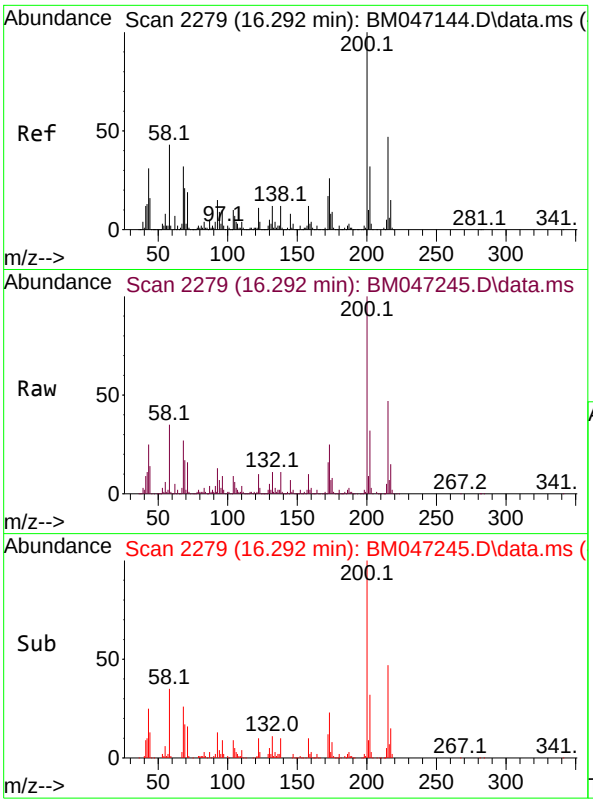


#68
Hexachlorobenzene
Concen: 37.617 ng
RT: 16.104 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:284 Resp: 723291

Ion	Ratio	Lower	Upper
284	100		
142	31.6	29.4	44.0
249	30.6	25.1	37.7

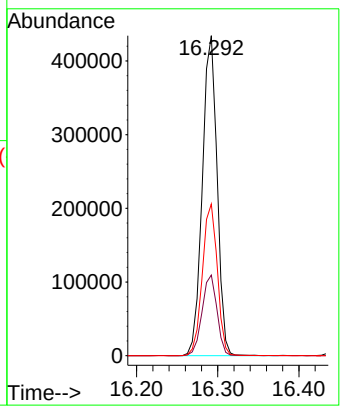




#69
Atrazine
Concen: 40.182 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:200 Resp: 54870

Ion	Ratio	Lower	Upper
200	100		
173	25.2	6.1	46.1
215	47.4	26.8	66.8



Instrument :
BNA_M
ClientSampleId :
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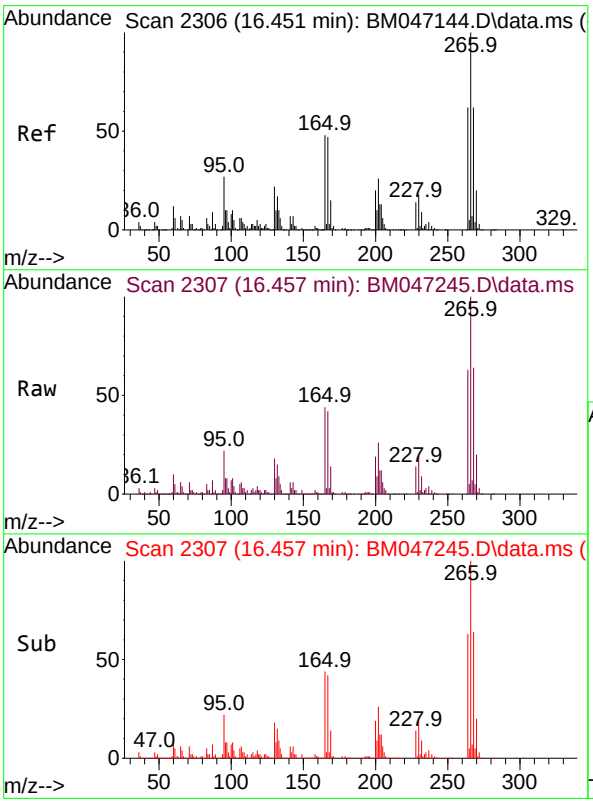
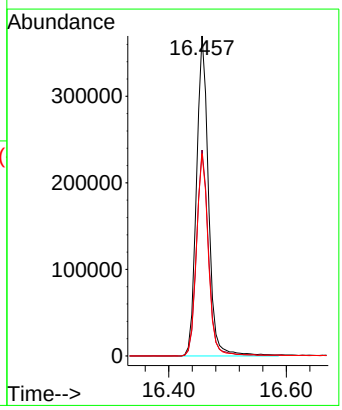
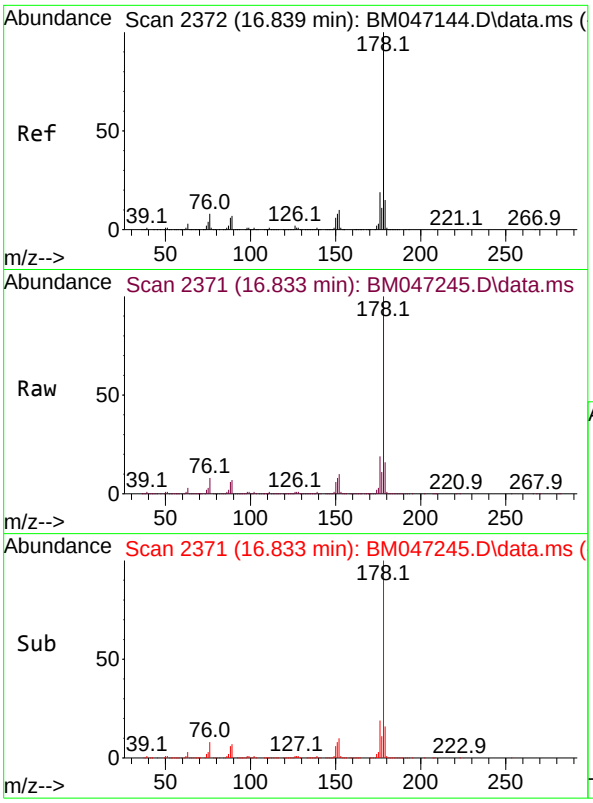


#70
Pentachlorophenol
Concen: 38.946 ng
RT: 16.457 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:266 Resp: 524917

Ion	Ratio	Lower	Upper
266	100		
268	64.4	49.8	74.6
264	63.3	49.6	74.4

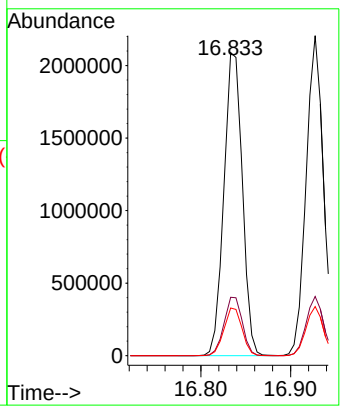




#71
Phenanthrene
Concen: 35.707 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:178 Resp: 298554

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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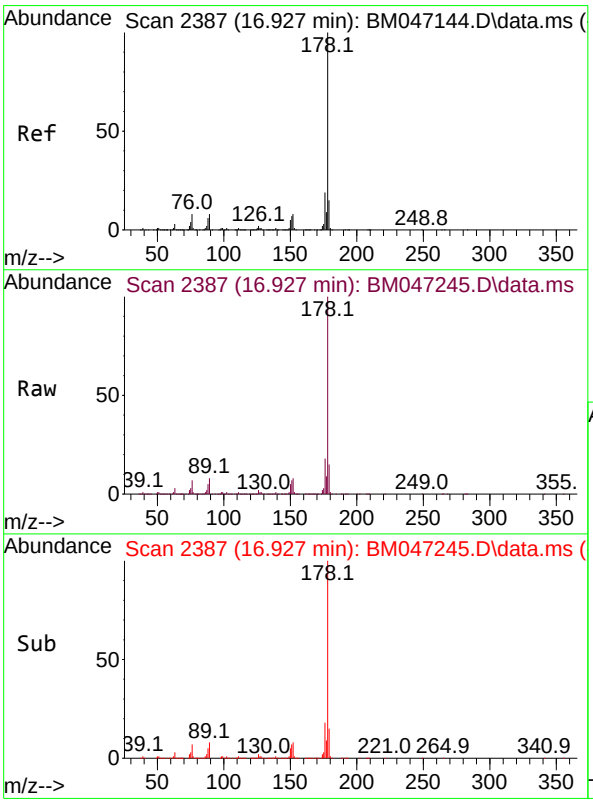
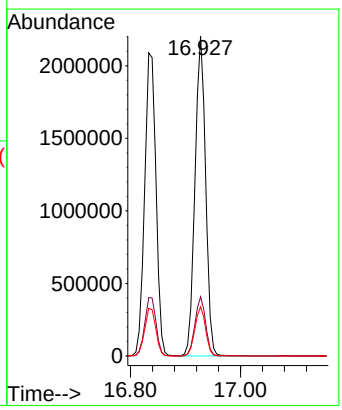
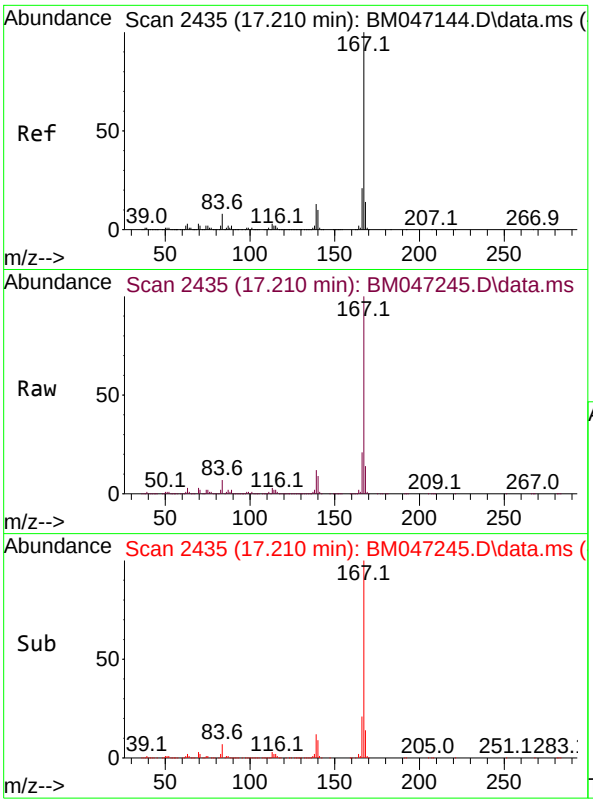


#72
Anthracene
Concen: 36.372 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:178 Resp: 2959126

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.4	18.6

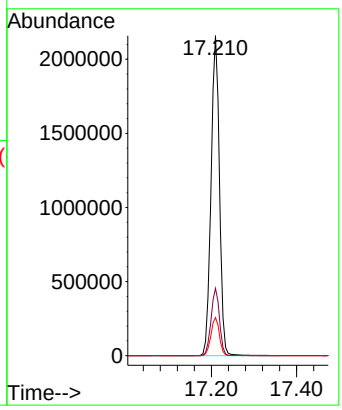




#73
Carbazole
Concen: 35.772 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:167 Resp: 297145

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	11.9	10.0	15.0



Instrument :
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ClientSampleId :
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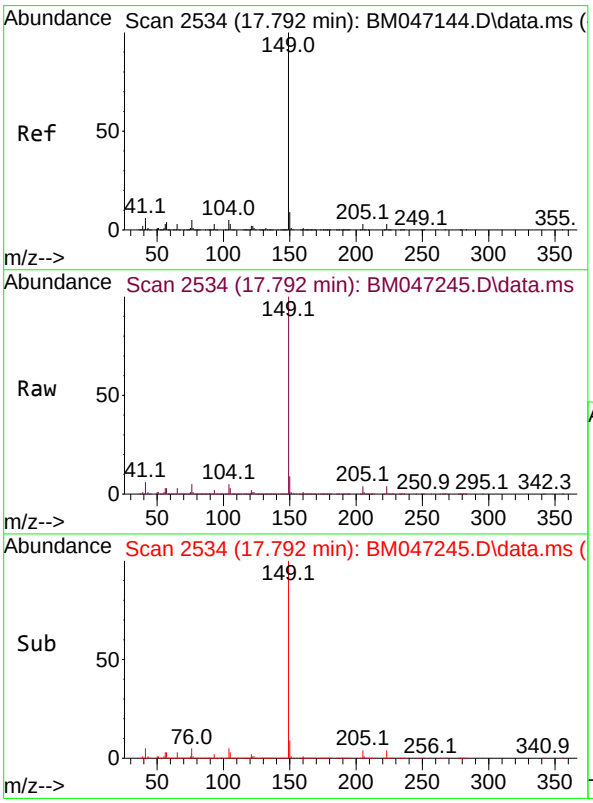
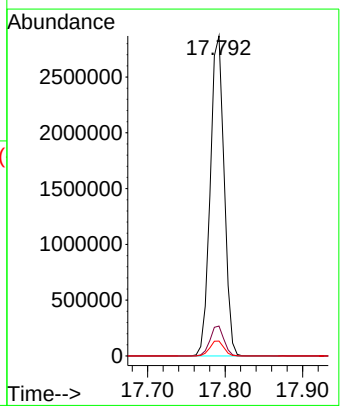
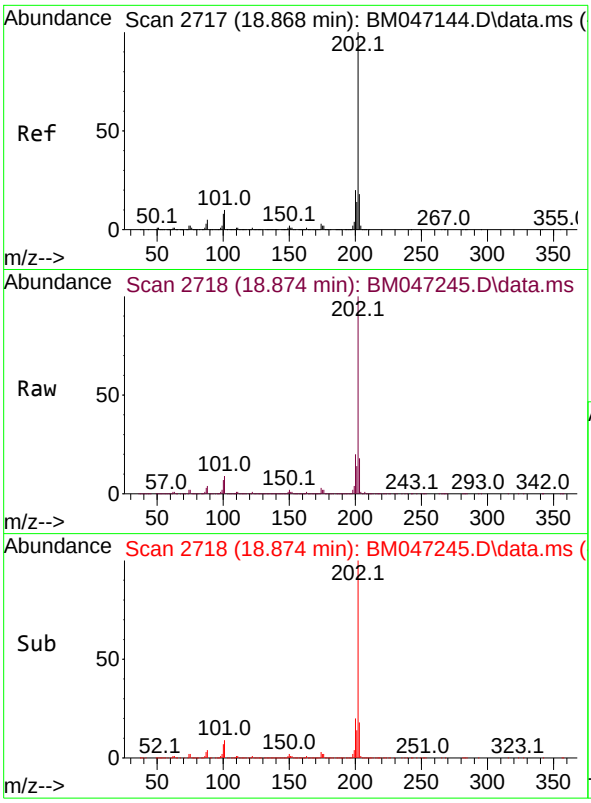


#74
Di-n-butylphthalate
Concen: 36.901 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:149 Resp: 3566712

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.7	4.1	6.1

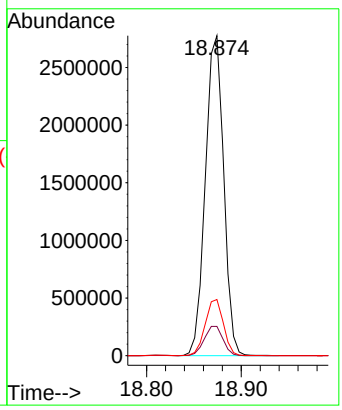




#75
Fluoranthene
Concen: 36.741 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:202 Resp: 373657

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	30.2
203	17.6	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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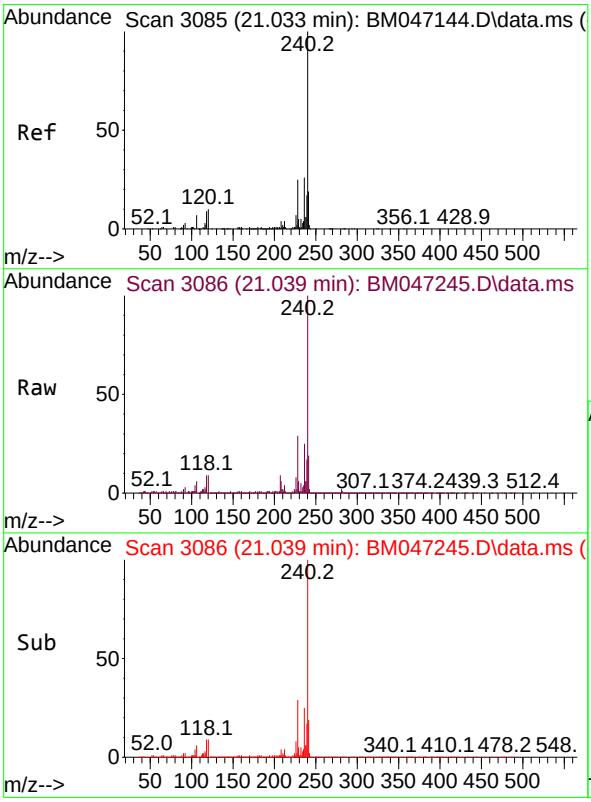
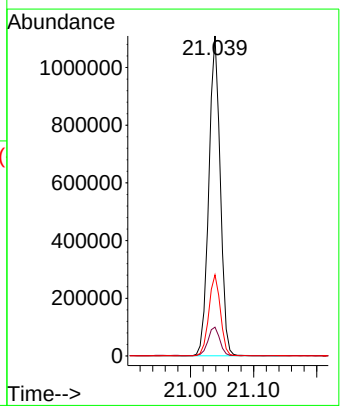
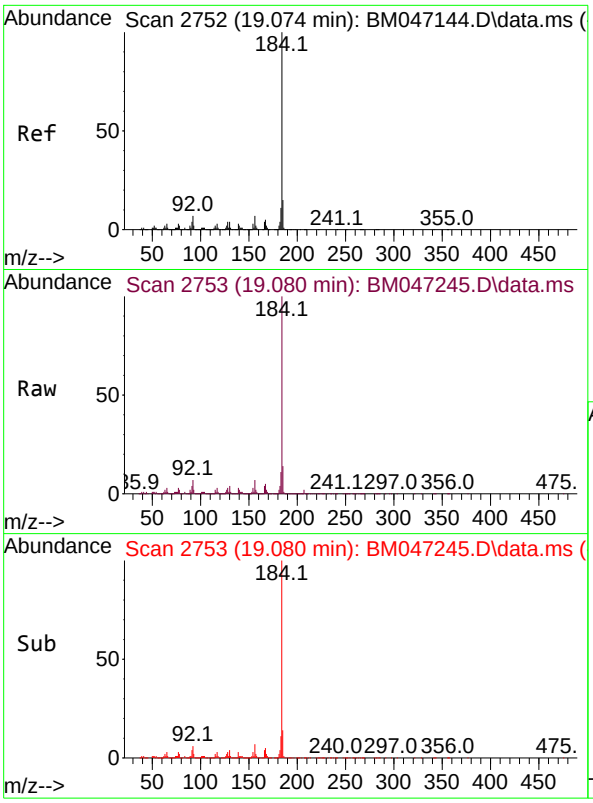


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.039 min Scan# 3086
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:240 Resp: 1393632

Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.2	12.2
236	25.3	20.6	30.8

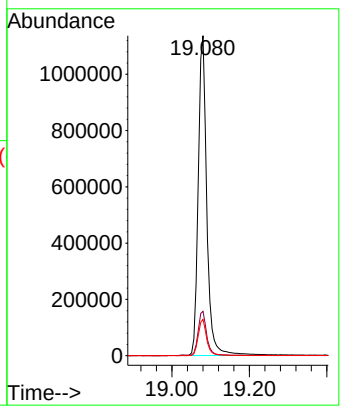




#77
Benzidine
Concen: 74.129 ng
RT: 19.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:184 Resp: 175194

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.8	17.6
183	11.4	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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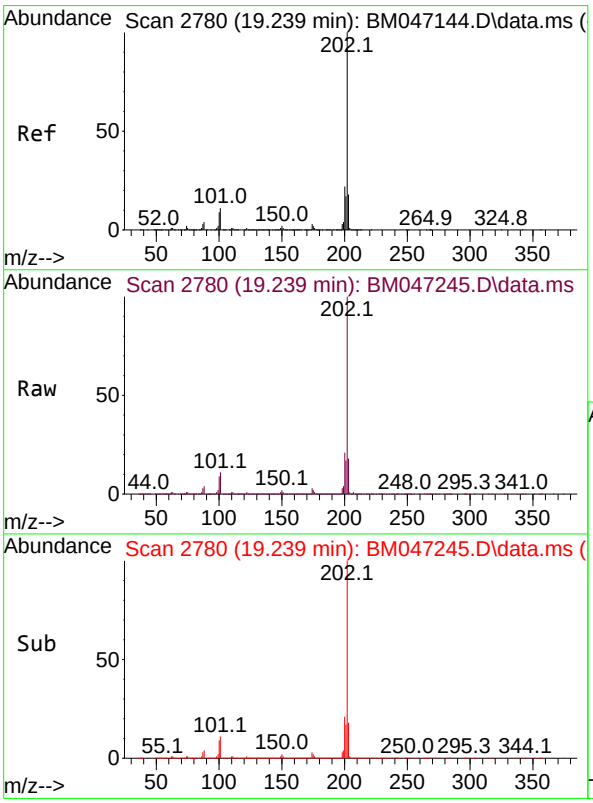
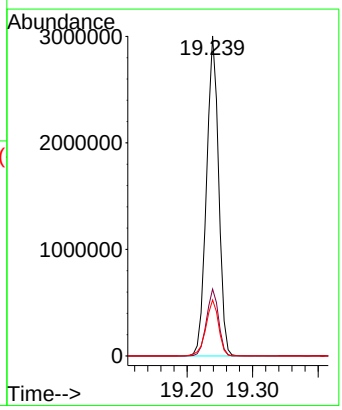
Supervised By :mohammad ahmed 08/21/2024

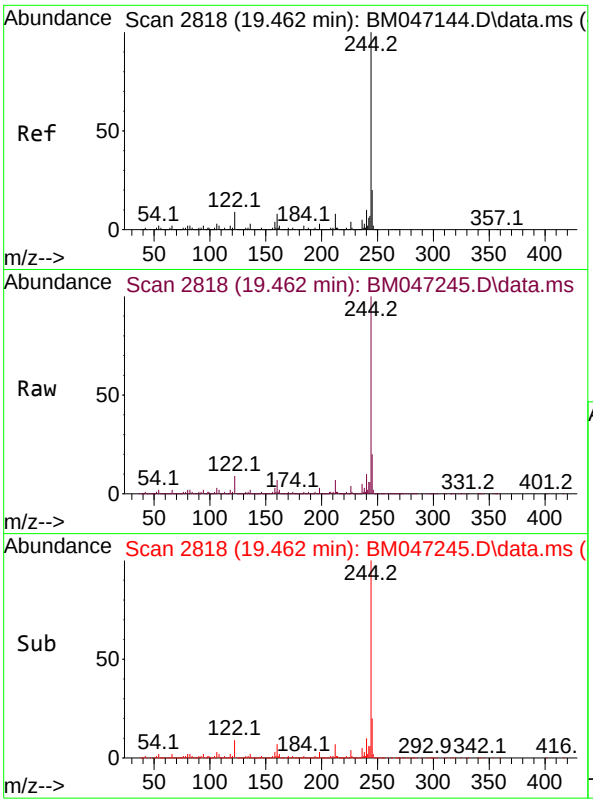


#78
Pyrene
Concen: 38.894 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:202 Resp: 3870284

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.5	14.2	21.2





#79
Terphenyl-d14
Concen: 79.011 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 513881

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	8.5	7.1	10.7

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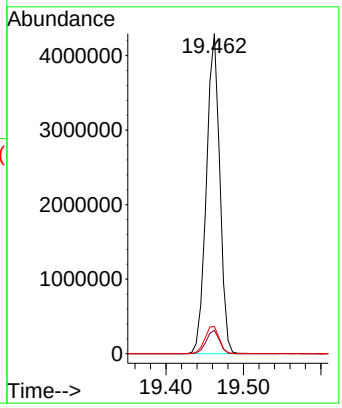
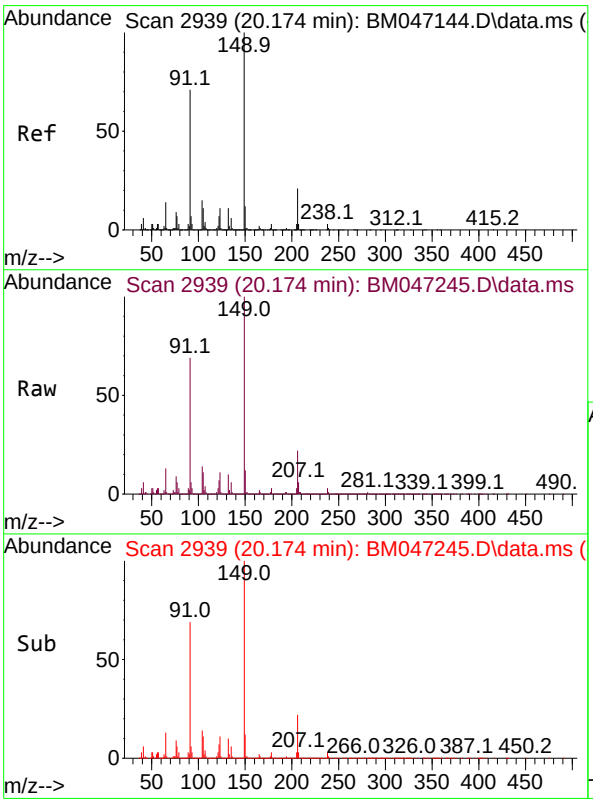
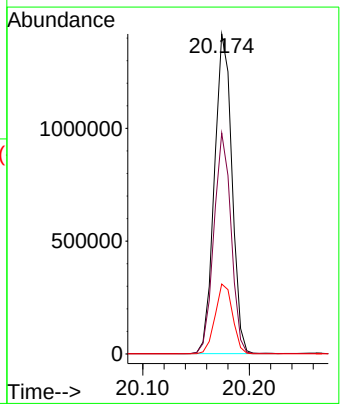


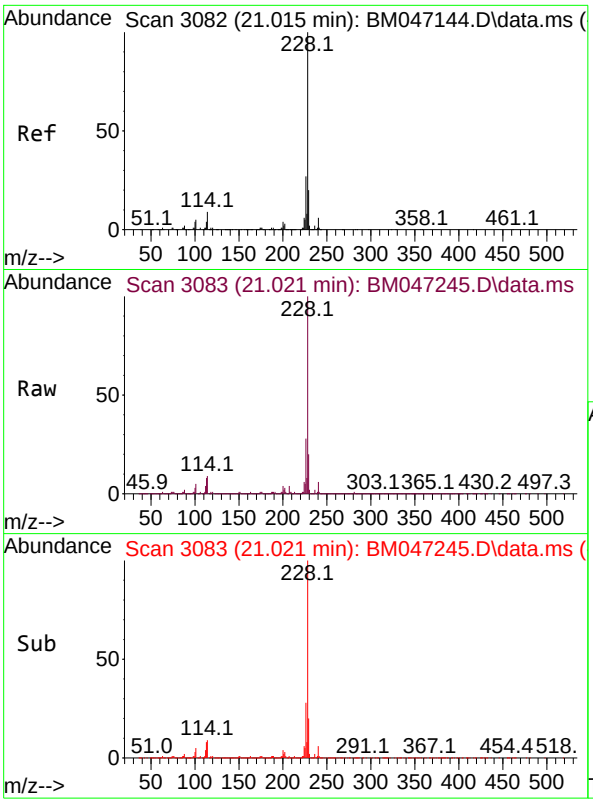


#80
Butylbenzylphthalate
Concen: 39.837 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:149 Resp: 1617756

Ion	Ratio	Lower	Upper
149	100		
91	69.1	57.0	85.4
206	21.8	16.4	24.6





#81
Benzo(a)anthracene
Concen: 36.457 ng
RT: 21.021 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:228 Resp: 337291

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.6
229	19.7	15.8	23.8

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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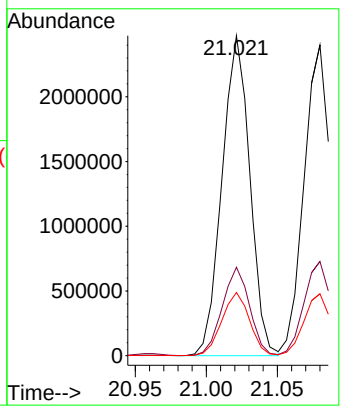
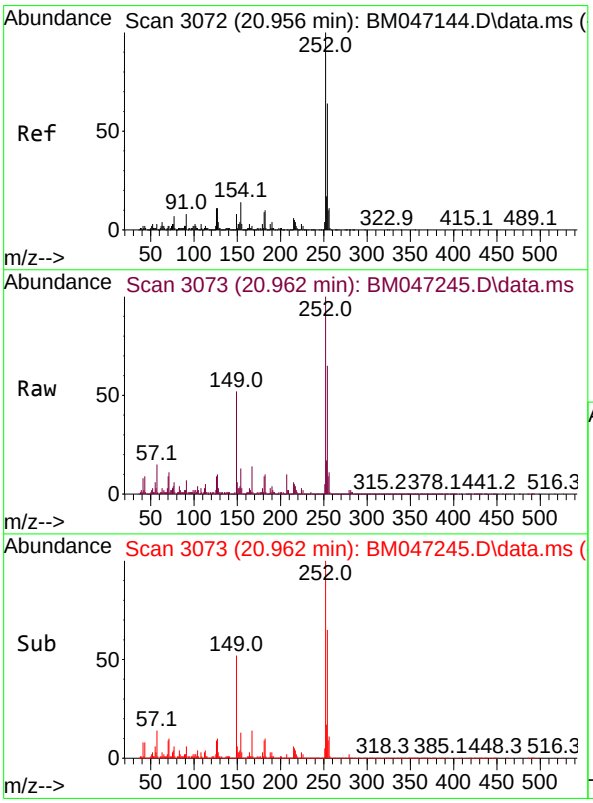
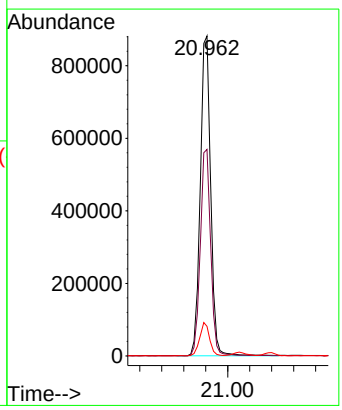


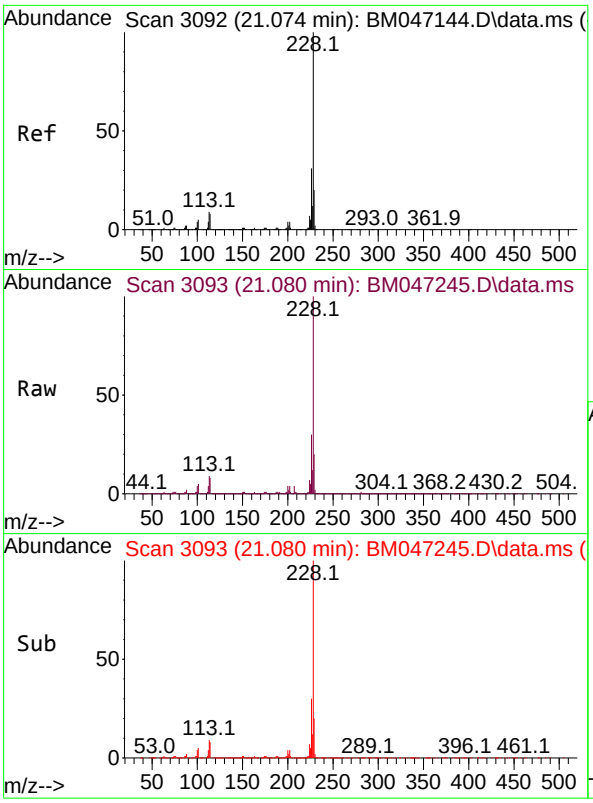


#82
3,3'-Dichlorobenzidine
Concen: 40.023 ng
RT: 20.962 min Scan# 3073
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:252 Resp: 1158555

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.6
126	9.3	8.5	12.7

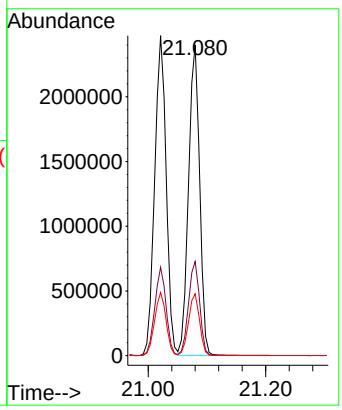




#83
Chrysene
Concen: 35.801 ng
RT: 21.080 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:228 Resp: 314255

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	20.0	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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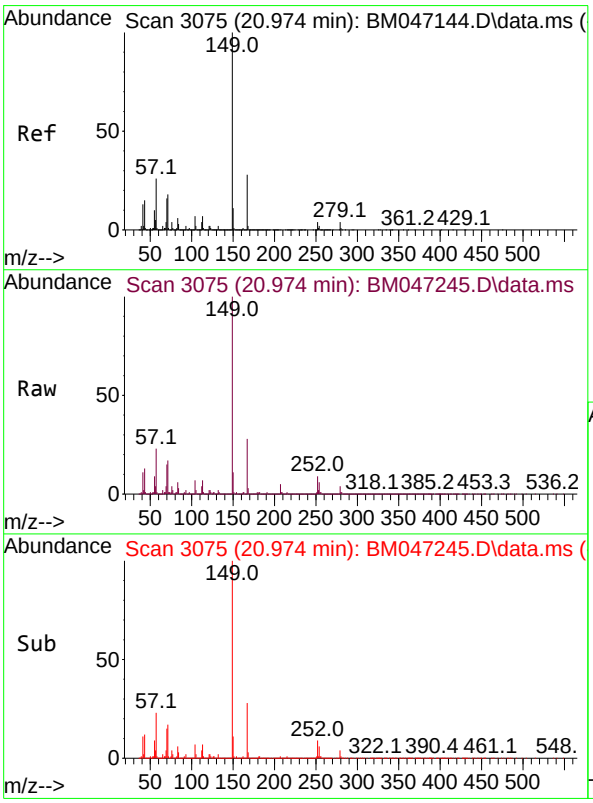
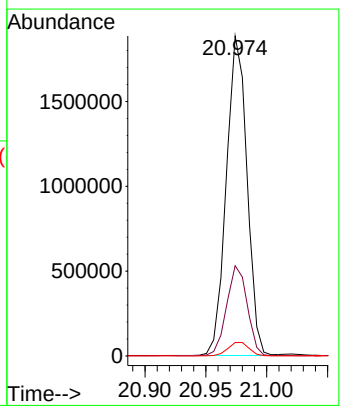
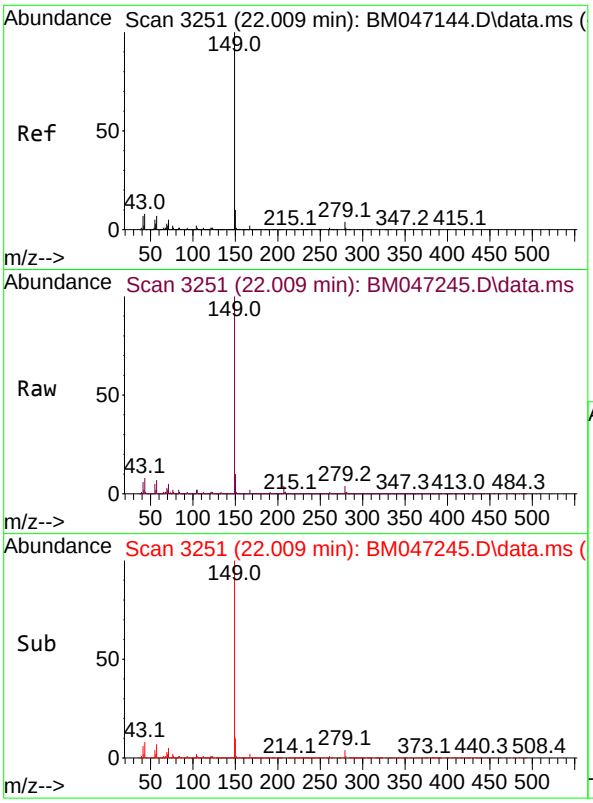


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.531 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:149 Resp: 2219045

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.2
279	4.2	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 40.314 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:149 Resp: 394629

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.6	6.9	10.3

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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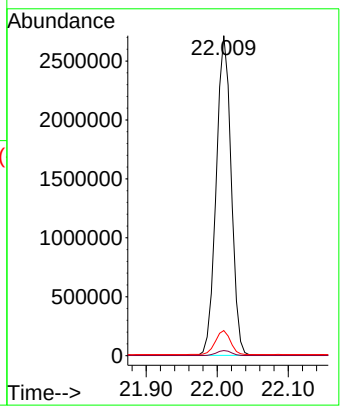
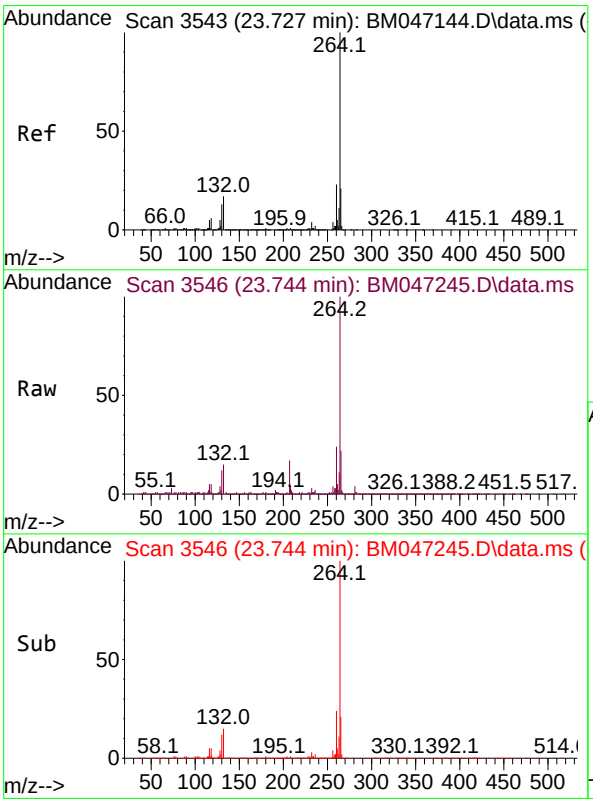
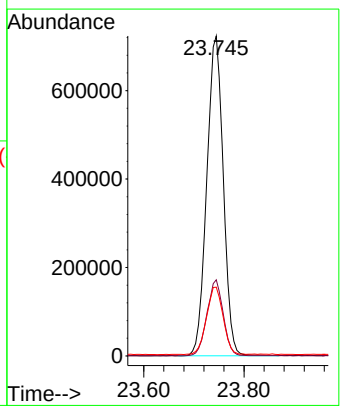


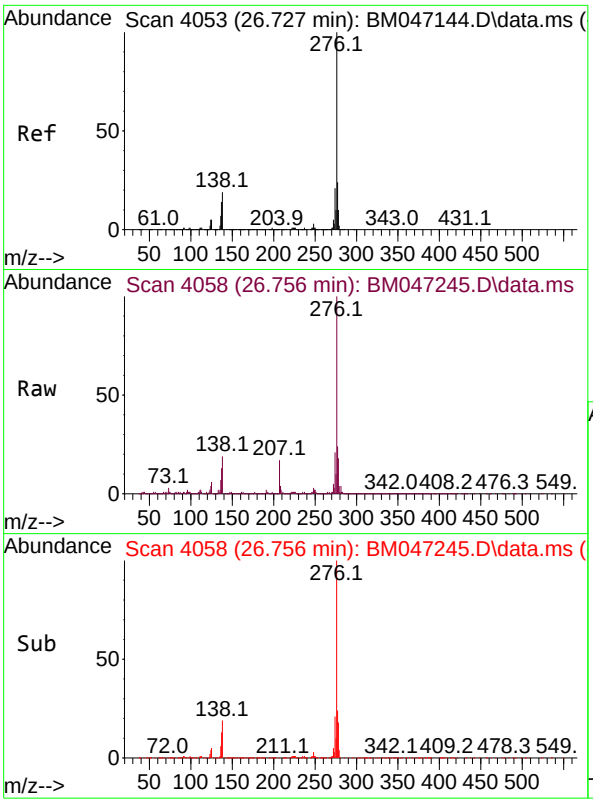


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.744 min Scan# 3546
Delta R.T. 0.018 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:264 Resp: 1655413

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	21.5	17.3	25.9

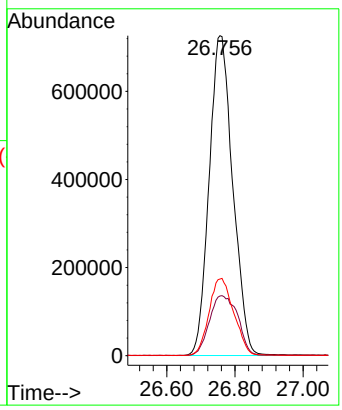




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.635 ng
RT: 26.756 min Scan# 4
Delta R.T. 0.029 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:276 Resp: 349200

Ion	Ratio	Lower	Upper
276	100		
138	22.5	19.4	29.0
277	25.2	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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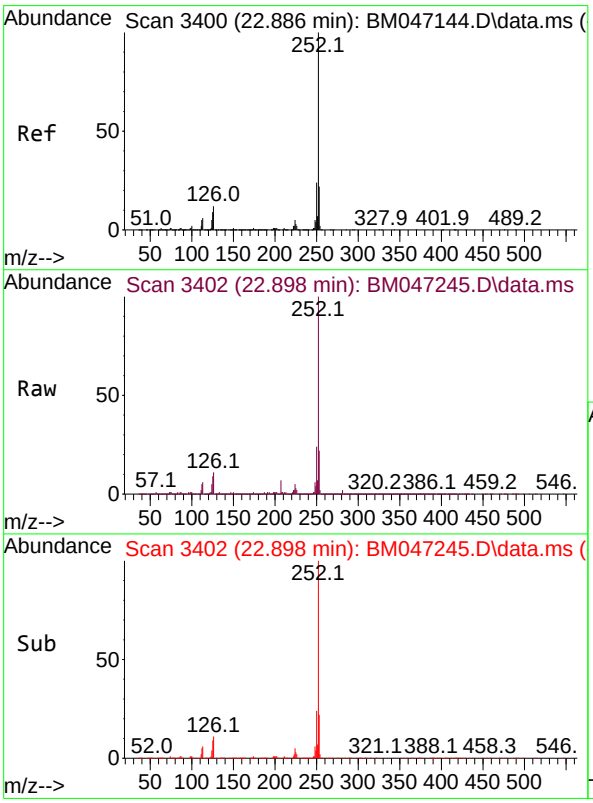
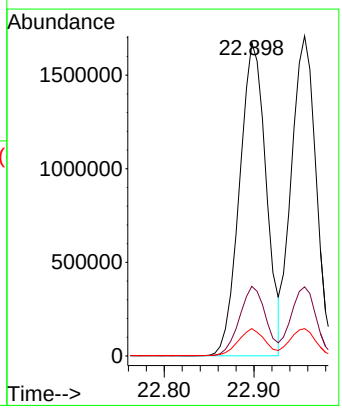
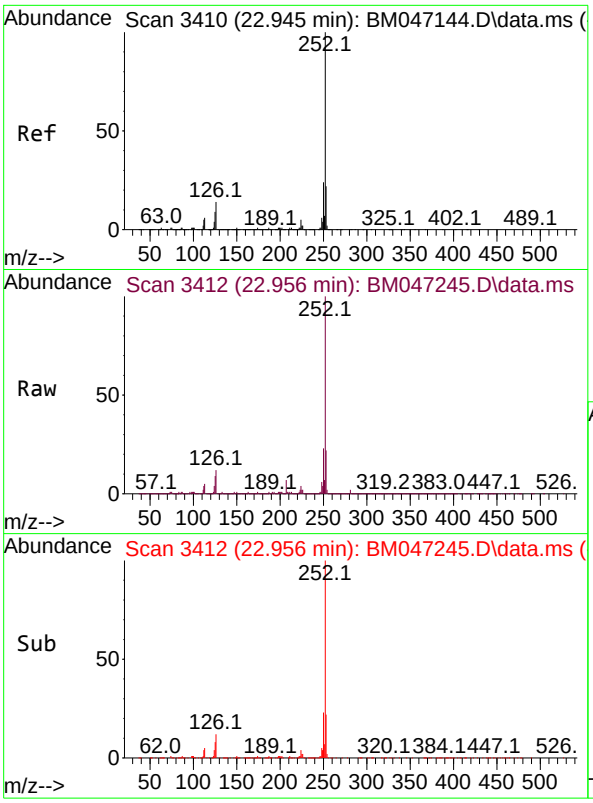


#88
Benzo(b)fluoranthene
Concen: 35.020 ng
RT: 22.898 min Scan# 3402
Delta R.T. 0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:252 Resp: 3442805

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	8.7	7.4	11.0

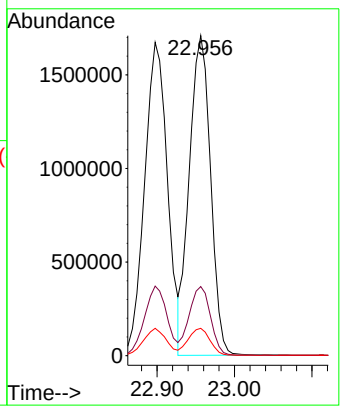




#89
Benzo(k)fluoranthene
Concen: 34.961 ng
RT: 22.956 min Scan# 34
Delta R.T. 0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:252 Resp: 324633

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	8.6	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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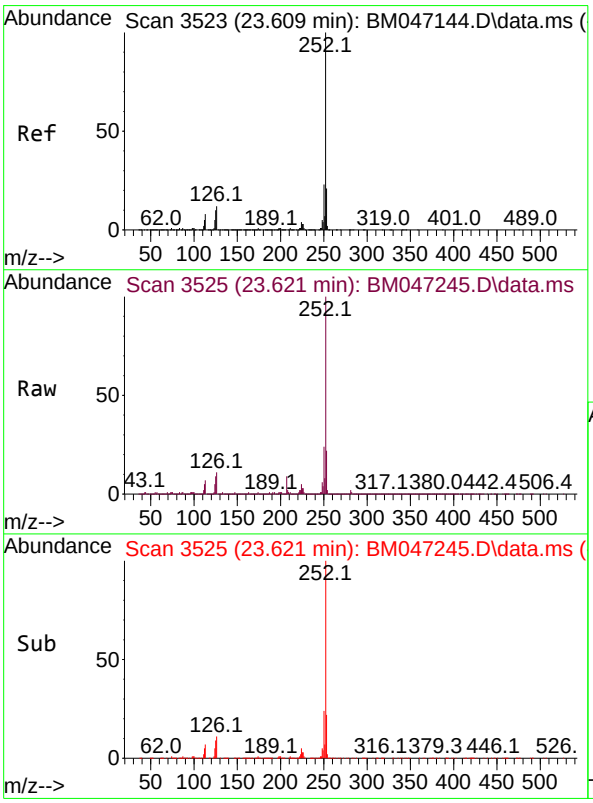
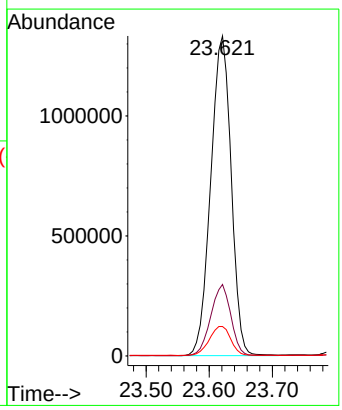
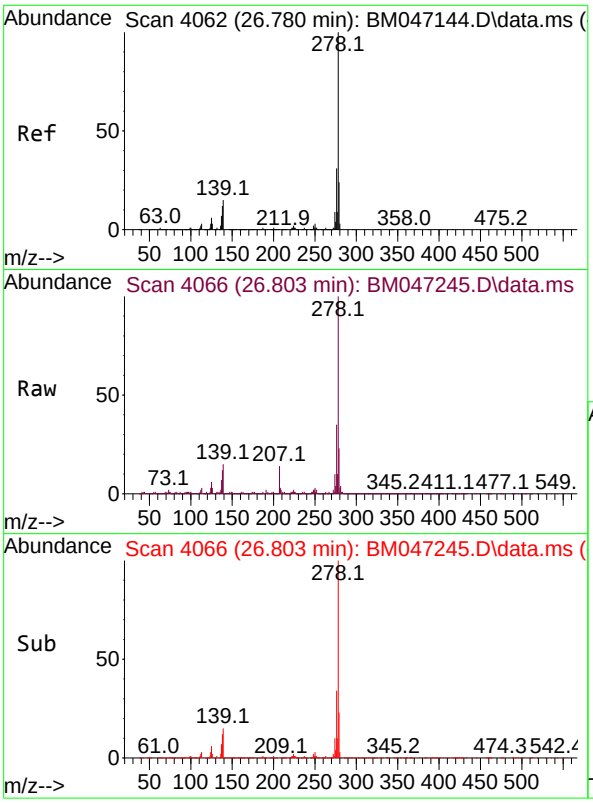


#90
Benzo(a)pyrene
Concen: 35.215 ng
RT: 23.621 min Scan# 3525
Delta R.T. 0.012 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:252 Resp: 2998995

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	9.2	8.2	12.2

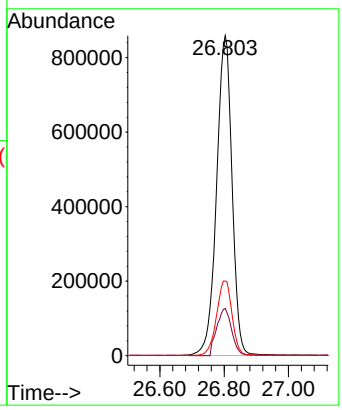




#91
Dibenzo(a,h)anthracene
Concen: 33.190 ng
RT: 26.803 min Scan# 4
Delta R.T. 0.023 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:278 Resp: 287409

Ion	Ratio	Lower	Upper
278	100		
139	14.7	12.0	18.0
279	23.3	19.2	28.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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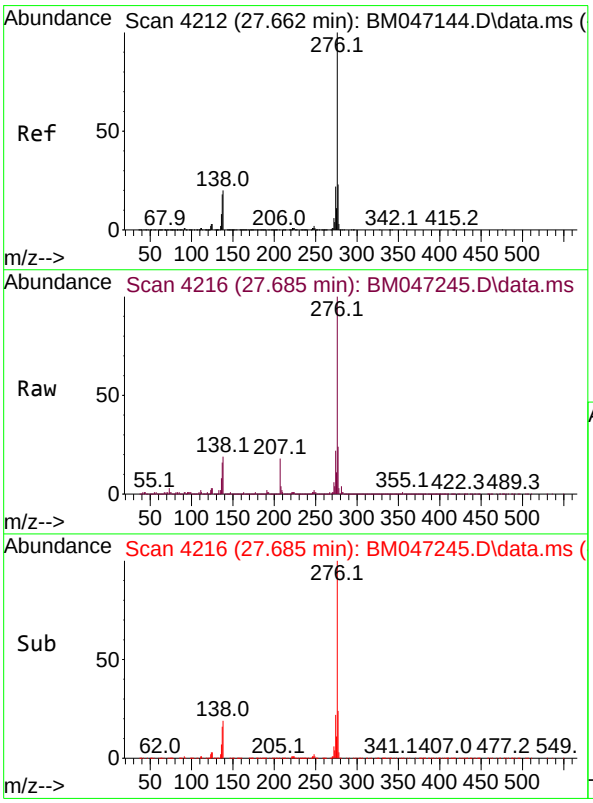
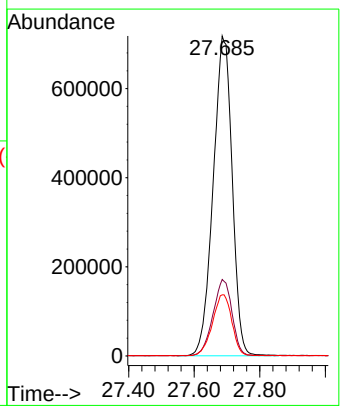


#92
Benzo(g,h,i)perylene
Concen: 31.992 ng
RT: 27.685 min Scan# 4216
Delta R.T. 0.023 min
Lab File: BM047245.D
Acq: 19 Aug 2024 09:42

Tgt Ion:276 Resp: 2876281

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	19.1	16.2	24.4



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Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 11:18:18 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	80	0.00
2		1,4-Dioxane	0.464	0.372	19.8	68	0.00
3		Pyridine	1.360	1.126	17.2	69	0.00
4		n-Nitrosodimethylamine	0.594	0.454	23.6	64	0.00
5	S	2-Fluorophenol	1.119	0.985	12.0	74	0.00
6		Aniline	1.458	1.322	9.3	74	-0.01
7	S	Phenol-d6	1.542	1.370	11.2	74	0.00
8		2-Chlorophenol	1.221	1.116	8.6	75	0.00
9		Benzaldehyde	0.904	0.709	21.6	73	-0.01
10	C	Phenol	1.539	1.352	12.2	74	0.00
11		bis(2-Chloroethyl)ether	1.318	1.135	13.9	71	-0.01
12		1,3-Dichlorobenzene	1.451	1.346	7.2	77	0.00
13	C	1,4-Dichlorobenzene	1.469	1.365	7.1	76	-0.01
14		1,2-Dichlorobenzene	1.386	1.290	6.9	79	0.00
15		Benzyl Alcohol	1.098	1.084	1.3	79	-0.01
16		2,2'-oxybis(1-Chloropropane	1.691	1.402	17.1	68	-0.01
17		2-Methylphenol	1.027	0.951	7.4	76	0.00
18		Hexachloroethane	0.569	0.514	9.7	75	-0.01
19	P	n-Nitroso-di-n-propylamine	1.039	0.892	14.1	73	-0.01
20		3+4-Methylphenols	1.435	1.329	7.4	75	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	81	-0.01
22		Acetophenone	0.483	0.429	11.2	75	-0.01
23	S	Nitrobenzene-d5	0.397	0.345	13.1	71	0.00
24		Nitrobenzene	0.400	0.352	12.0	72	0.00
25		Isophorone	0.692	0.636	8.1	74	-0.01
26	C	2-Nitrophenol	0.177	0.175	1.1	78	0.00
27		2,4-Dimethylphenol	0.207	0.199	3.9	77	0.00
28		bis(2-Chloroethoxy)methane	0.435	0.390	10.3	72	-0.01
29	C	2,4-Dichlorophenol	0.308	0.310	-0.6	80	0.00
30		1,2,4-Trichlorobenzene	0.348	0.344	1.1	80	0.00
31		Naphthalene	0.996	0.908	8.8	76	0.00
32		Benzoic acid	0.241	0.251	-4.1	81	0.00
33		4-Chloroaniline	0.383	0.362	5.5	76	-0.01
34	C	Hexachlorobutadiene	0.204	0.213	-4.4	85	-0.01
35		Caprolactam	0.107	0.106	0.9	78	-0.01
36	C	4-Chloro-3-methylphenol	0.328	0.316	3.7	78	0.00
37		2-Methylnaphthalene	0.709	0.667	5.9	78	0.00
38		1-Methylnaphthalene	0.701	0.654	6.7	77	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.543	0.5	85	0.00
41	P	Hexachlorocyclopentadiene	0.190	0.154	18.9	65	0.00
42	S	2,4,6-Tribromophenol	0.232	0.233	-0.4	85	0.00
43	C	2,4,6-Trichlorophenol	0.388	0.387	0.3	82	0.00
44		2,4,5-Trichlorophenol	0.430	0.431	-0.2	84	0.00
45	S	2-Fluorobiphenyl	1.297	1.203	7.2	80	-0.01
46		1,1'-Biphenyl	1.424	1.270	10.8	77	0.00
47		2-Chloronaphthalene	1.113	0.993	10.8	78	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 11:18:18 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	0.304	12.9	72	0.00
49		Acenaphthylene	1.640	1.482	9.6	78	0.00
50		Dimethylphthalate	1.397	1.291	7.6	79	0.00
51		2,6-Dinitrotoluene	0.327	0.311	4.9	80	0.00
52	C	Acenaphthene	1.041	0.938	9.9	79	0.00
53		3-Nitroaniline	0.327	0.306	6.4	78	0.00
54	P	2,4-Dinitrophenol	0.196	0.177	9.7	73	0.00
55		Dibenzofuran	1.644	1.483	9.8	79	0.00
56	P	4-Nitrophenol	0.282	0.259	8.2	75	0.01
57		2,4-Dinitrotoluene	0.436	0.410	6.0	79	0.00
58		Fluorene	1.356	1.232	9.1	80	0.00
59		2,3,4,6-Tetrachlorophenol	0.354	0.355	-0.3	85	0.00
60		Diethylphthalate	1.426	1.295	9.2	78	0.00
61		4-Chlorophenyl-phenylether	0.646	0.609	5.7	83	0.00
62		4-Nitroaniline	0.322	0.299	7.1	79	0.00
63		Azobenzene	1.352	1.125	16.8	72	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	0.117	0.115	1.7	80	0.00
66	c	n-Nitrosodiphenylamine	0.545	0.491	9.9	80	0.00
67		4-Bromophenyl-phenylether	0.193	0.187	3.1	86	0.00
68		Hexachlorobenzene	0.231	0.217	6.1	83	0.00
69		Atrazine	0.164	0.165	-0.6	85	0.00
70	C	Pentachlorophenol	0.162	0.158	2.5	82	0.00
71		Phenanthrene	1.004	0.896	10.8	80	0.00
72		Anthracene	0.977	0.888	9.1	82	0.00
73		Carbazole	0.997	0.892	10.5	80	0.00
74		Di-n-butylphthalate	1.160	1.070	7.8	80	0.00
75	C	Fluoranthene	1.221	1.121	8.2	82	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	83	0.00
77		Benzidine	0.339	0.629	-85.5#	107	0.00
78		Pyrene	1.428	1.389	2.7	81	0.00
79	S	Terphenyl-d14	0.933	0.922	1.2	82	0.00
80		Butylbenzylphthalate	0.583	0.580	0.5	79	0.00
81		Benzo(a)anthracene	1.328	1.210	8.9	77	0.00
82		3,3'-Dichlorobenzidine	0.415	0.416	-0.2	78	0.00
83		Chrysene	1.260	1.127	10.6	77	0.00
84		Bis(2-ethylhexyl)phthalate	0.826	0.796	3.6	78	0.00
85	c	Di-n-octyl phthalate	1.405	1.416	-0.8	81	0.00
86	I	Perylene-d12	1.000	1.000	0.0	82	0.02
87		Indeno(1,2,3-cd)pyrene	1.293	1.055	18.4	68	0.03
88		Benzo(b)fluoranthene	1.188	1.040	12.5	73	0.01
89		Benzo(k)fluoranthene	1.122	0.981	12.6	73	0.01
90	C	Benzo(a)pyrene	1.029	0.906	12.0	72	0.01
91		Dibenzo(a,h)anthracene	1.046	0.868	17.0	70	0.02
92		Benzo(g,h,i)perylene	1.086	0.869	20.0	66	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 11:18:18 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 11:18:18 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	80	0.00
2		1,4-Dioxane	40.000	32.055	19.9	68	0.00
3		Pyridine	40.000	33.106	17.2	69	0.00
4		n-Nitrosodimethylamine	40.000	30.567	23.6	64	0.00
5	S	2-Fluorophenol	80.000	70.374	12.0	74	0.00
6		Aniline	40.000	36.280	9.3	74	-0.01
7	S	Phenol-d6	80.000	71.069	11.2	74	0.00
8		2-Chlorophenol	40.000	36.576	8.6	75	0.00
9		Benzaldehyde	40.000	32.528	18.7	73	-0.01
10	C	Phenol	40.000	35.139	12.2	74	0.00
11		bis(2-Chloroethyl)ether	40.000	34.456	13.9	71	-0.01
12		1,3-Dichlorobenzene	40.000	37.119	7.2	77	0.00
13	C	1,4-Dichlorobenzene	40.000	37.165	7.1	76	-0.01
14		1,2-Dichlorobenzene	40.000	37.243	6.9	79	0.00
15		Benzyl Alcohol	40.000	39.512	1.2	79	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	33.169	17.1	68	-0.01
17		2-Methylphenol	40.000	37.051	7.4	76	0.00
18		Hexachloroethane	40.000	36.104	9.7	75	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	34.361	14.1	73	-0.01
20		3+4-Methylphenols	40.000	37.048	7.4	75	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	81	-0.01
22		Acetophenone	40.000	35.527	11.2	75	-0.01
23	S	Nitrobenzene-d5	80.000	69.585	13.0	71	0.00
24		Nitrobenzene	40.000	35.161	12.1	72	0.00
25		Isophorone	40.000	36.763	8.1	74	-0.01
26	C	2-Nitrophenol	40.000	39.578	1.1	78	0.00
27		2,4-Dimethylphenol	40.000	38.384	4.0	77	0.00
28		bis(2-Chloroethoxy)methane	40.000	35.845	10.4	72	-0.01
29	C	2,4-Dichlorophenol	40.000	40.237	-0.6	80	0.00
30		1,2,4-Trichlorobenzene	40.000	39.461	1.3	80	0.00
31		Naphthalene	40.000	36.472	8.8	76	0.00
32		Benzoic acid	40.000	41.637	-4.1	81	0.00
33		4-Chloroaniline	40.000	37.779	5.6	76	-0.01
34	C	Hexachlorobutadiene	40.000	41.770	-4.4	85	-0.01
35		Caprolactam	40.000	39.472	1.3	78	-0.01
36	C	4-Chloro-3-methylphenol	40.000	38.570	3.6	78	0.00
37		2-Methylnaphthalene	40.000	37.618	6.0	78	0.00
38		1-Methylnaphthalene	40.000	37.334	6.7	77	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	85	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.847	0.4	85	0.00
41	P	Hexachlorocyclopentadiene	40.000	32.439	18.9	65	0.00
42	S	2,4,6-Tribromophenol	80.000	80.421	-0.5	85	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.935	0.2	82	0.00
44		2,4,5-Trichlorophenol	40.000	40.092	-0.2	84	0.00
45	S	2-Fluorobiphenyl	80.000	74.203	7.2	80	-0.01
46		1,1'-Biphenyl	40.000	35.675	10.8	77	0.00
47		2-Chloronaphthalene	40.000	35.695	10.8	78	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 11:18:18 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	34.845	12.9	72	0.00
49		Acenaphthylene	40.000	36.146	9.6	78	0.00
50		Dimethylphthalate	40.000	36.964	7.6	79	0.00
51		2,6-Dinitrotoluene	40.000	38.107	4.7	80	0.00
52	C	Acenaphthene	40.000	36.049	9.9	79	0.00
53		3-Nitroaniline	40.000	37.363	6.6	78	0.00
54	P	2,4-Dinitrophenol	40.000	36.181	9.5	73	0.00
55		Dibenzofuran	40.000	36.080	9.8	79	0.00
56	P	4-Nitrophenol	40.000	36.695	8.3	75	0.01
57		2,4-Dinitrotoluene	40.000	37.626	5.9	79	0.00
58		Fluorene	40.000	36.346	9.1	80	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.178	-0.4	85	0.00
60		Diethylphthalate	40.000	36.316	9.2	78	0.00
61		4-Chlorophenyl-phenylether	40.000	37.746	5.6	83	0.00
62		4-Nitroaniline	40.000	37.048	7.4	79	0.00
63		Azobenzene	40.000	33.274	16.8	72	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.198	2.0	80	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.072	9.8	80	0.00
67		4-Bromophenyl-phenylether	40.000	38.724	3.2	86	0.00
68		Hexachlorobenzene	40.000	37.617	6.0	83	0.00
69		Atrazine	40.000	40.182	-0.5	85	0.00
70	C	Pentachlorophenol	40.000	38.946	2.6	82	0.00
71		Phenanthrene	40.000	35.707	10.7	80	0.00
72		Anthracene	40.000	36.372	9.1	82	0.00
73		Carbazole	40.000	35.772	10.6	80	0.00
74		Di-n-butylphthalate	40.000	36.901	7.7	80	0.00
75	C	Fluoranthene	40.000	36.741	8.1	82	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	83	0.00
77		Benzidine	40.000	74.129	-85.3#	107	0.00
78		Pyrene	40.000	38.894	2.8	81	0.00
79	S	Terphenyl-d14	80.000	79.011	1.2	82	0.00
80		Butylbenzylphthalate	40.000	39.837	0.4	79	0.00
81		Benzo(a)anthracene	40.000	36.457	8.9	77	0.00
82		3,3'-Dichlorobenzidine	40.000	40.023	-0.1	78	0.00
83		Chrysene	40.000	35.801	10.5	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.531	3.7	78	0.00
85	c	Di-n-octyl phthalate	40.000	40.314	-0.8	81	0.00
86	I	Perylene-d12	20.000	20.000	0.0	82	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	32.635	18.4	68	0.03
88		Benzo(b)fluoranthene	40.000	35.020	12.4	73	0.01
89		Benzo(k)fluoranthene	40.000	34.961	12.6	73	0.01
90	C	Benzo(a)pyrene	40.000	35.215	12.0	72	0.01
91		Dibenzo(a,h)anthracene	40.000	33.190	17.0	70	0.02
92		Benzo(g,h,i)perylene	40.000	31.992	20.0	66	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047245.D
Acq On : 19 Aug 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 11:18:18 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.: P3596 SAS No.: P3596 SDG No.: P3596

Instrument ID: BNA_M Calibration Date/Time: 08/21/2024 09:44

Lab File ID: BM047290.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	1.146		-15.7	
2-Fluorophenol	1.119	1.039		-7.1	
Benzaldehyde	0.904	0.831		-8.1	
Phenol-d6	1.542	1.367		-11.3	
2-Methylphenol	1.027	0.938		-8.7	
Acetophenone	0.483	0.451		-6.6	
3+4-Methylphenols	1.435	1.282		-10.7	
Nitrobenzene-d5	0.397	0.358		-9.8	
Nitrobenzene	0.400	0.368		-8.0	
2,4-Dichlorophenol	0.308	0.321		4.2	20.0
Naphthalene	0.996	0.951		-4.5	
Hexachlorobutadiene	0.204	0.229		12.3	20.0
2-Methylnaphthalene	0.709	0.678		-4.4	
2,4,6-Trichlorophenol	0.388	0.402		3.6	20.0
2-Fluorobiphenyl	1.297	1.276		-1.6	
2,4,5-Trichlorophenol	0.430	0.441		2.6	
Acenaphthylene	1.640	1.554		-5.2	
Acenaphthene	1.041	0.982		-5.7	20.0
Dibenzofuran	1.644	1.560		-5.1	
Fluorene	1.356	1.260		-7.1	
2,4,6-Tribromophenol	0.232	0.228		-1.7	
Hexachlorobenzene	0.231	0.238		3.0	
Pentachlorophenol	0.162	0.160		-1.2	20.0
Phenanthrene	1.004	0.956		-4.8	
Carbazole	0.997	0.893		-10.4	
Di-n-butylphthalate	1.160	1.083		-6.6	
Fluoranthene	1.221	1.054		-13.7	20.0
Pyrene	1.428	1.579		10.6	
Terphenyl-d14	0.933	1.133		21.4	
Benzo(a)anthracene	1.328	1.287		-3.1	
Chrysene	1.260	1.209		-4.0	
Bis(2-ethylhexyl)phthalate	0.826	0.838		1.5	
Benzo(b)fluoranthene	1.188	1.151		-3.1	
Benzo(k)fluoranthene	1.122	1.058		-5.7	
Benzo(a)pyrene	1.029	0.999		-2.9	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.332		3.0	
Dibenzo(a,h)anthracene	1.046	1.068		2.1	
Benzo(g,h,i)perylene	1.086	1.146		5.5	
1,4-Dioxane	0.464	0.428		-7.8	20.0

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3596 SAS No.: P3596 SDG No.: P3596

Instrument ID: BNA_M Calibration Date/Time: 08/21/2024 09:44

Lab File ID: BM047290.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-Methylnaphthalene	0.701	0.664		-5.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 11:11:53 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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.357	152	282815	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1065916	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	694208	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1345647	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	925255	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1068512	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.011	112	1174956	74.234	ng	-0.01
7) Phenol-d6	6.569	99	1546552	70.913	ng	-0.02
23) Nitrobenzene-d5	8.504	82	1526503	72.111	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	633400	78.689	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	3542353	78.711	ng	-0.02
79) Terphenyl-d14	19.451	244	4192251	97.087	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.028	88	241864	36.881	ng	96
3) Pyridine	3.399	79	648003	33.697	ng	97
4) n-Nitrosodimethylamine	3.322	42	274551	32.678	ng	96
6) Aniline	6.705	93	719892	34.923	ng	97
8) 2-Chlorophenol	6.934	128	639913	37.069	ng	98
9) Benzaldehyde	6.522	77	470093	41.897	ng	98
10) Phenol	6.599	94	760177	34.932	ng	98
11) bis(2-Chloroethyl)ether	6.810	93	656304	35.217	ng	98
12) 1,3-Dichlorobenzene	7.246	146	796545	38.830	ng	98
13) 1,4-Dichlorobenzene	7.393	146	796459	38.347	ng	99
14) 1,2-Dichlorobenzene	7.699	146	743440	37.937	ng	97
15) Benzyl Alcohol	7.610	79	550272	35.452	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.881	45	799787m	33.444	ng	
17) 2-Methylphenol	7.816	107	530522	36.542	ng	97
18) Hexachloroethane	8.404	117	302537	37.604	ng	94
19) n-Nitroso-di-n-propyla...	8.169	70	490807	33.410	ng	98
20) 3+4-Methylphenols	8.146	107	725121	35.726	ng	98
22) Acetophenone	8.175	105	961262	37.360	ng	98
24) Nitrobenzene	8.546	77	784518	36.804	ng	96
25) Isophorone	9.069	82	1382156	37.499	ng	98
26) 2-Nitrophenol	9.246	139	391654	41.489	ng	95
27) 2,4-Dimethylphenol	9.328	122	435689	39.401	ng	98
28) bis(2-Chloroethoxy)met...	9.557	93	873124	37.647	ng	100
29) 2,4-Dichlorophenol	9.781	162	683632	41.666	ng	98
30) 1,2,4-Trichlorobenzene	9.981	180	771432	41.547	ng	99
31) Naphthalene	10.157	128	2028372	38.199	ng	100
32) Benzoic acid	9.510	122	512943	39.926	ng	98
33) 4-Chloroaniline	10.287	127	750217	36.739	ng	100
34) Hexachlorobutadiene	10.445	225	488102	44.912	ng	99
35) Caprolactam	11.098	113	205966	36.147	ng	94
36) 4-Chloro-3-methylphenol	11.440	107	663033	37.944	ng	99
37) 2-Methylnaphthalene	11.787	142	1445283	38.227	ng	98
38) 1-Methylnaphthalene	12.010	142	1415638	37.886	ng	99
40) 1,2,4,5-Tetrachloroben...	12.169	216	821057	43.362	ng	98
41) Hexachlorocyclopentadiene	12.139	237	263978	39.925	ng	95
43) 2,4,6-Trichlorophenol	12.428	196	558673	41.511	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 11:11:53 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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.510	196	611855	40.946	ng	97
46) 1,1'-Biphenyl	12.834	154	1894581	38.335	ng	99
47) 2-Chloronaphthalene	12.875	162	1481193	38.345	ng	98
48) 2-Nitroaniline	13.098	65	433401	35.814	ng	99
49) Acenaphthylene	13.733	152	2158101	37.902	ng	100
50) Dimethylphthalate	13.498	163	1837014	37.889	ng	99
51) 2,6-Dinitrotoluene	13.616	165	437781	38.626	ng	89
52) Acenaphthene	14.081	154	1364029	37.766	ng	99
53) 3-Nitroaniline	13.951	138	412366	36.309	ng	94
54) 2,4-Dinitrophenol	14.169	184	245443	36.132	ng	92
55) Dibenzofuran	14.422	168	2166567	37.976	ng	98
56) 4-Nitrophenol	14.298	139	313306	31.992	ng	98
57) 2,4-Dinitrotoluene	14.416	165	564935	37.344	ng	98
58) Fluorene	15.080	166	1749650	37.169	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.663	232	484821	39.478	ng	95
60) Diethylphthalate	14.880	149	1805674	36.470	ng	98
61) 4-Chlorophenyl-phenyle...	15.086	204	869962	38.820	ng	95
62) 4-Nitroaniline	15.122	138	380095	33.972	ng	97
63) Azobenzene	15.380	77	1602946	34.145	ng	94
65) 4,6-Dinitro-2-methylph...	15.192	198	329718	41.850	ng	88
66) n-Nitrosodiphenylamine	15.304	169	1471782	40.155	ng	100
67) 4-Bromophenyl-phenylether	15.980	248	560001	43.187	ng	97
68) Hexachlorobenzene	16.086	284	639474	41.177	ng	96
69) Atrazine	16.280	200	401146	36.371	ng	98
70) Pentachlorophenol	16.439	266	429381	39.443	ng	99
71) Phenanthrene	16.822	178	2573025	38.100	ng	100
72) Anthracene	16.916	178	2525826	38.439	ng	100
73) Carbazole	17.198	167	2404494	35.839	ng	99
74) Di-n-butylphthalate	17.780	149	2914512	37.334	ng	99
75) Fluoranthene	18.857	202	2836181	34.528	ng	99
77) Benzidine	19.068	184	948052	60.421	ng	99
78) Pyrene	19.227	202	2922344	44.234	ng	99
80) Butylbenzylphthalate	20.162	149	1138311	42.220	ng	96
81) Benzo(a)anthracene	21.004	228	2380814	38.760	ng	100
82) 3,3'-Dichlorobenzidine	20.945	252	835015	43.449	ng	99
83) Chrysene	21.062	228	2237001	38.386	ng	99
84) Bis(2-ethylhexyl)phtha...	20.962	149	1551149	40.568	ng	98
85) Di-n-octyl phthalate	21.992	149	2535907	39.020	ng	98
87) Indeno(1,2,3-cd)pyrene	26.709	276	2847384	41.227	ng	98
88) Benzo(b)fluoranthene	22.874	252	2459153	38.754	ng	99
89) Benzo(k)fluoranthene	22.927	252	2260533	37.716	ng	99
90) Benzo(a)pyrene	23.592	252	2135327	38.846	ng	99
91) Dibenzo(a,h)anthracene	26.756	278	2283227	40.850	ng	99
92) Benzo(g,h,i)perylene	27.633	276	2449273	42.206	ng	98

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

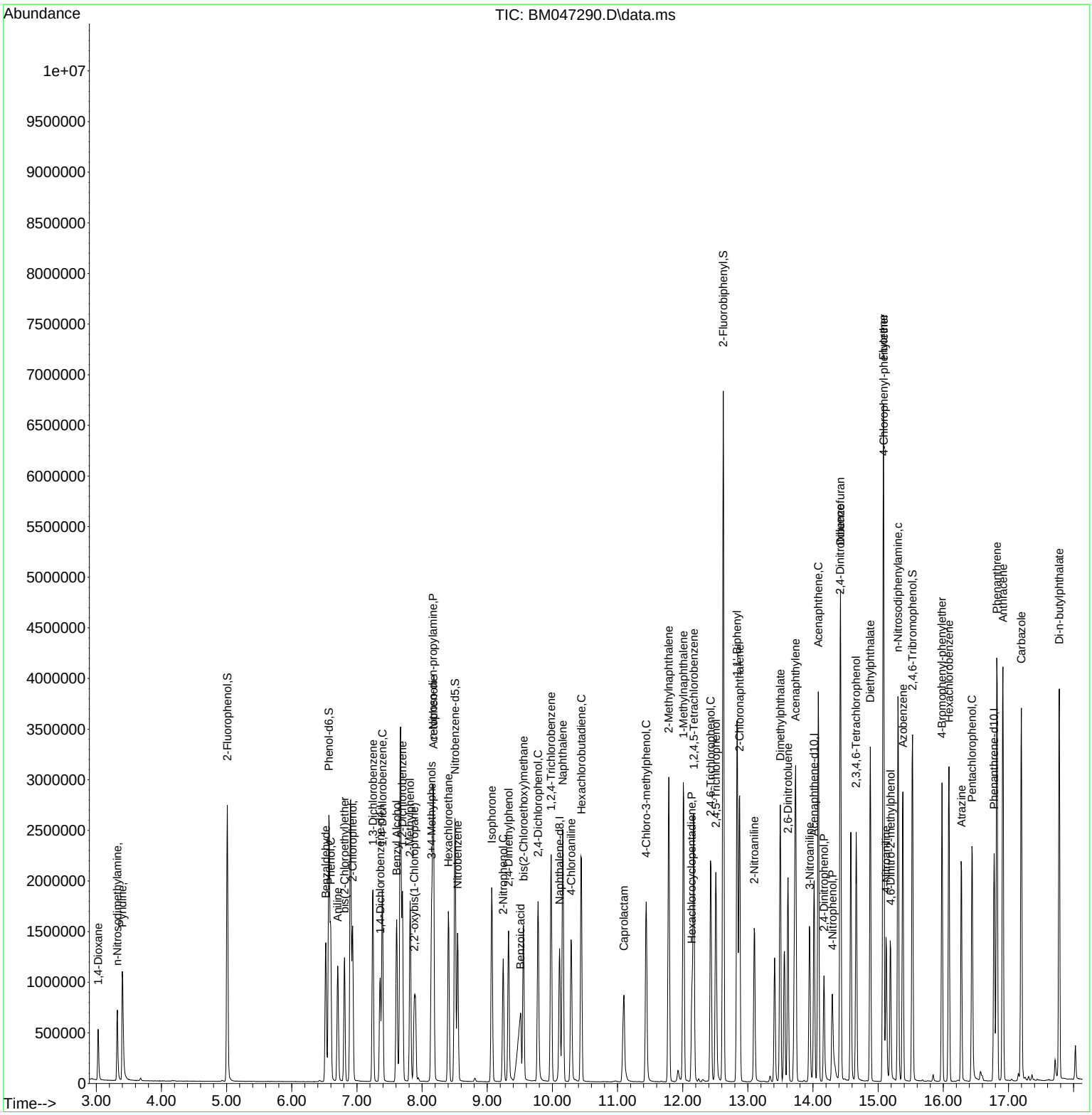
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 11:11:53 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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
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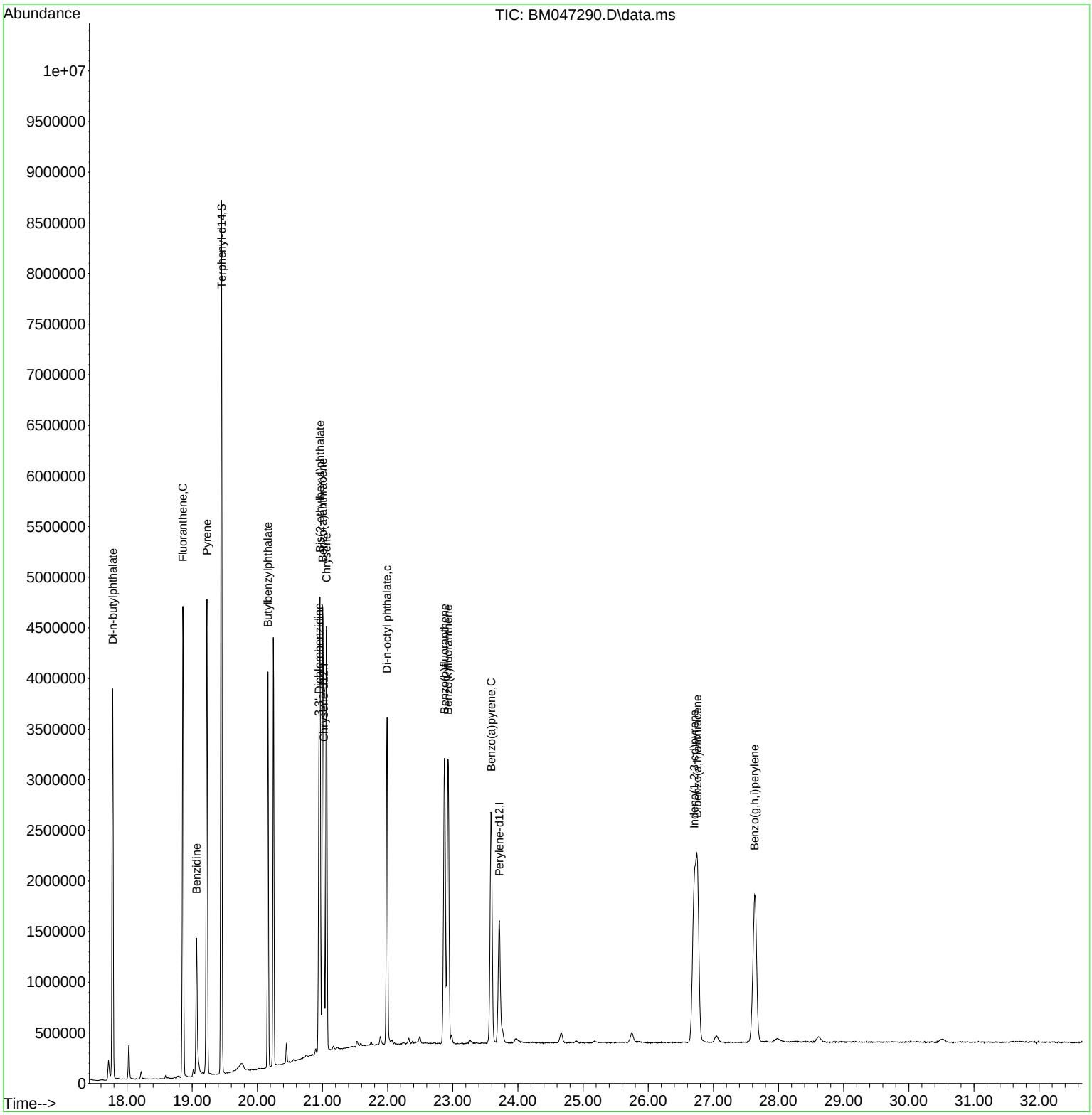
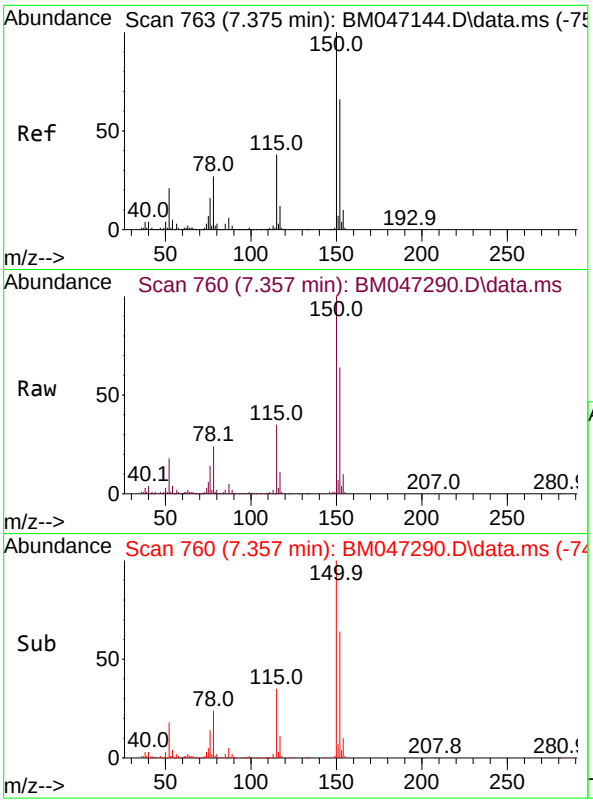
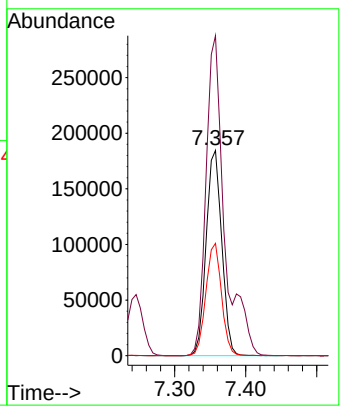




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.357 min Scan# 7
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:152 Resp: 28281

Ion	Ratio	Lower	Upper
152	100		
150	155.8	120.5	180.7
115	54.7	45.5	68.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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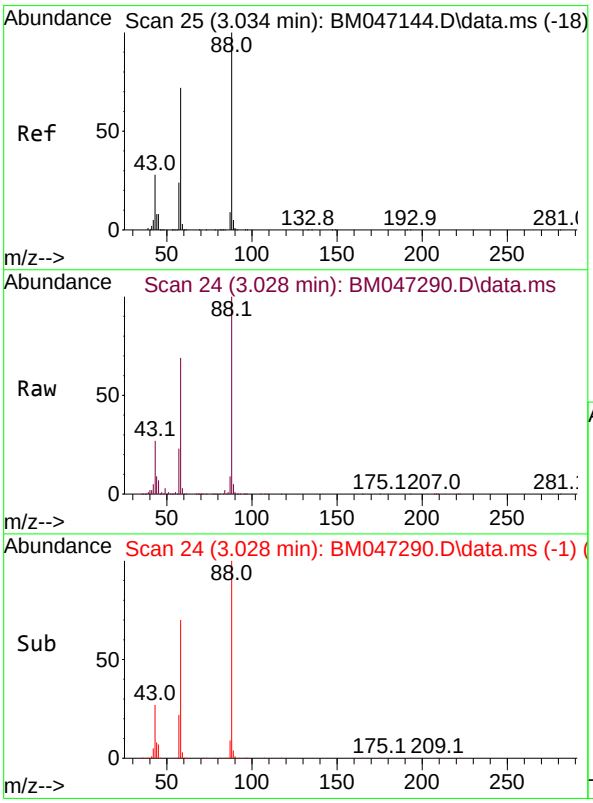
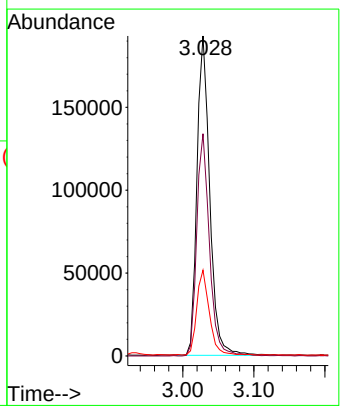
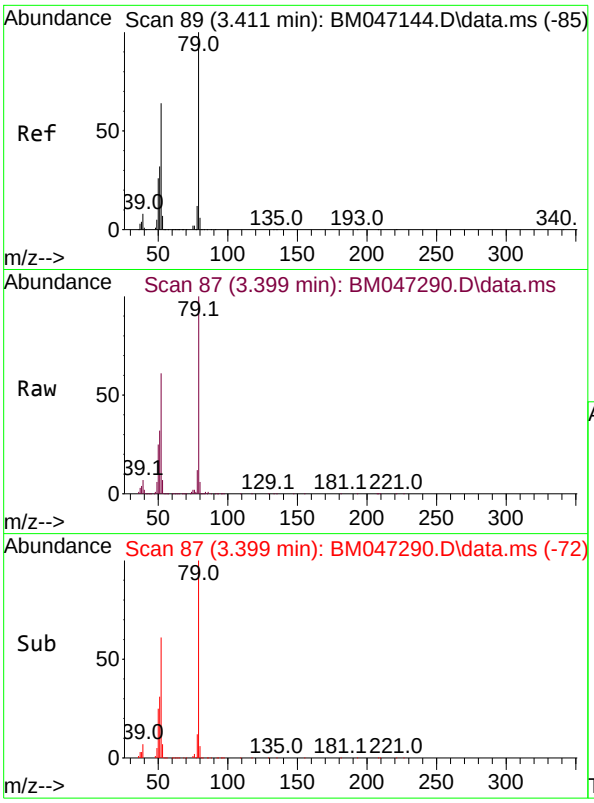


#2
1,4-Dioxane
Concen: 36.881 ng
RT: 3.028 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 88 Resp: 241864

Ion	Ratio	Lower	Upper
88	100		
58	69.3	58.2	87.4
43	26.0	22.5	33.7

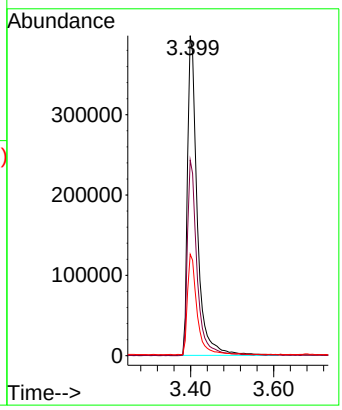




#3
Pyridine
Concen: 33.697 ng
RT: 3.399 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 79 Resp: 64800

Ion	Ratio	Lower	Upper
79	100		
52	61.2	51.2	76.8
51	31.7	26.1	39.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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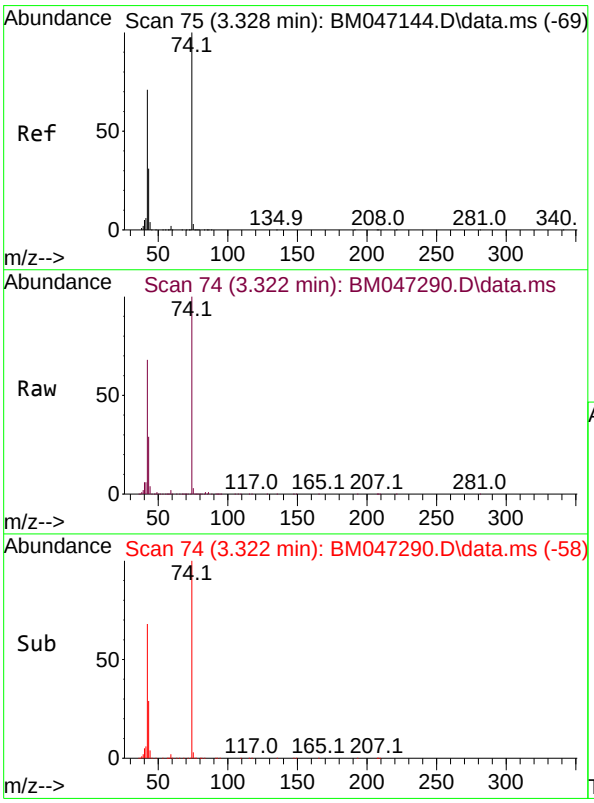
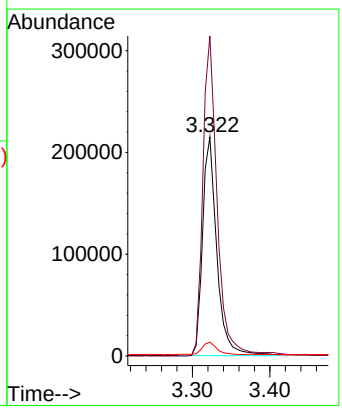
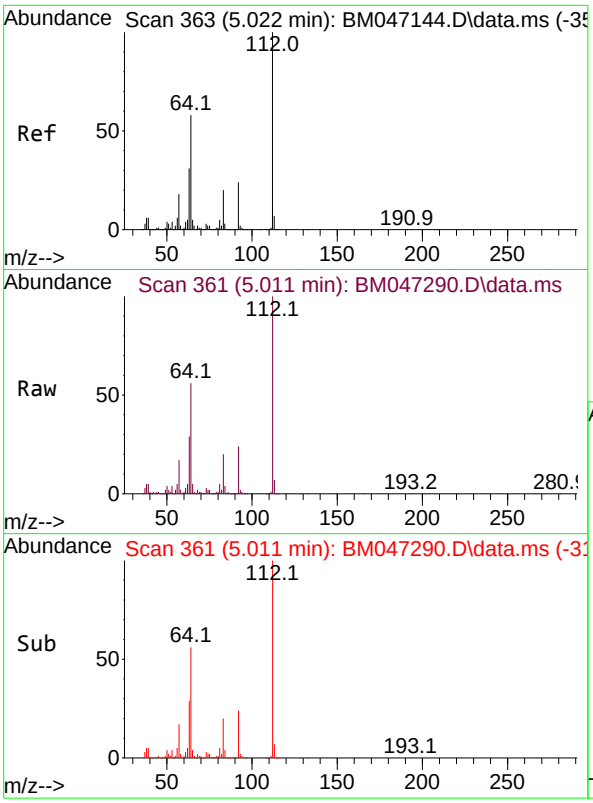


#4
n-Nitrosodimethylamine
Concen: 32.678 ng
RT: 3.322 min Scan# 74
Delta R.T. -0.006 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 42 Resp: 274551

Ion	Ratio	Lower	Upper
42	100		
74	146.1	112.9	169.3
44	6.3	5.3	7.9

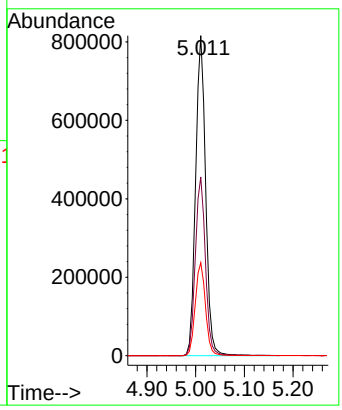




#5
2-Fluorophenol
Concen: 74.234 ng
RT: 5.011 min Scan# 3(
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:112 Resp: 117495(

Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.7	70.1
63	29.0	24.8	37.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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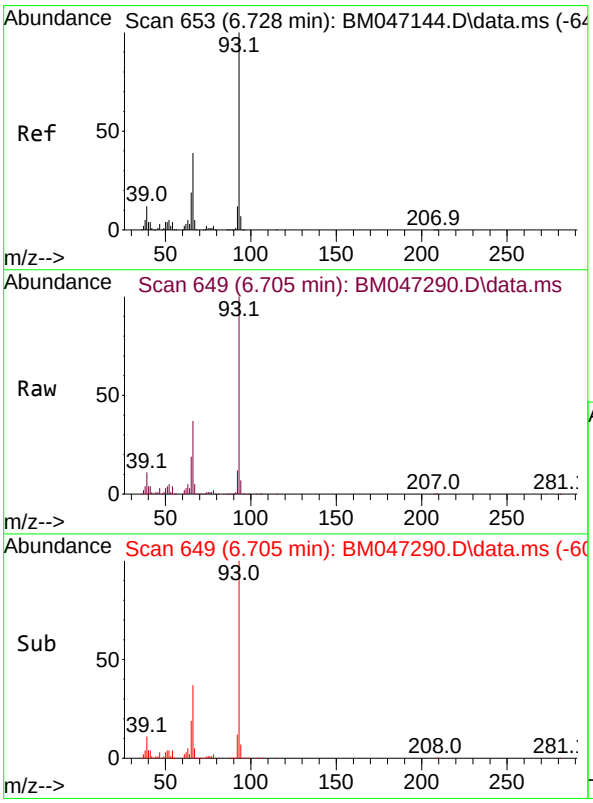
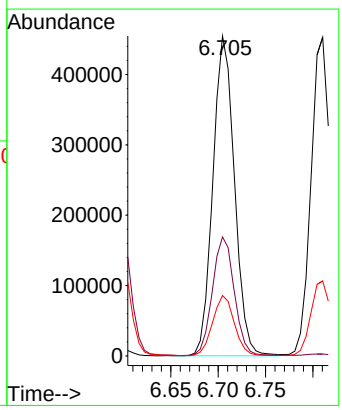
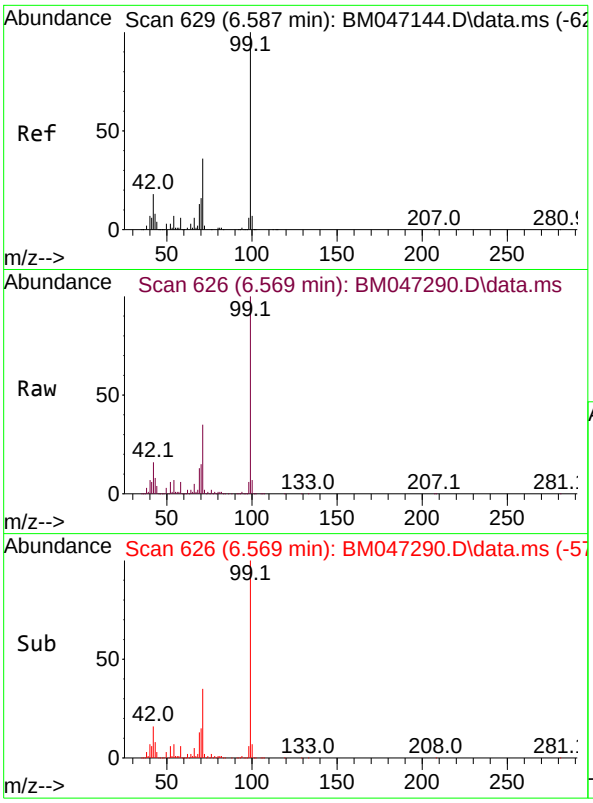


#6
Aniline
Concen: 34.923 ng
RT: 6.705 min Scan# 649
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 93 Resp: 719892

Ion	Ratio	Lower	Upper
93	100		
66	37.2	31.4	47.2
65	18.9	15.6	23.4

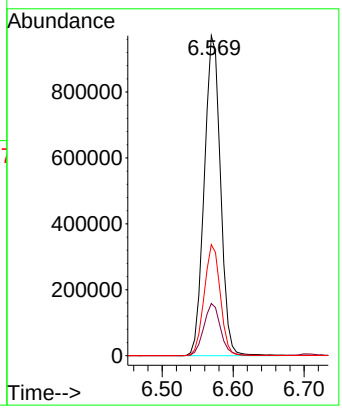




#7
Phenol-d6
Concen: 70.913 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 99 Resp: 154655

Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.1	21.1
71	34.7	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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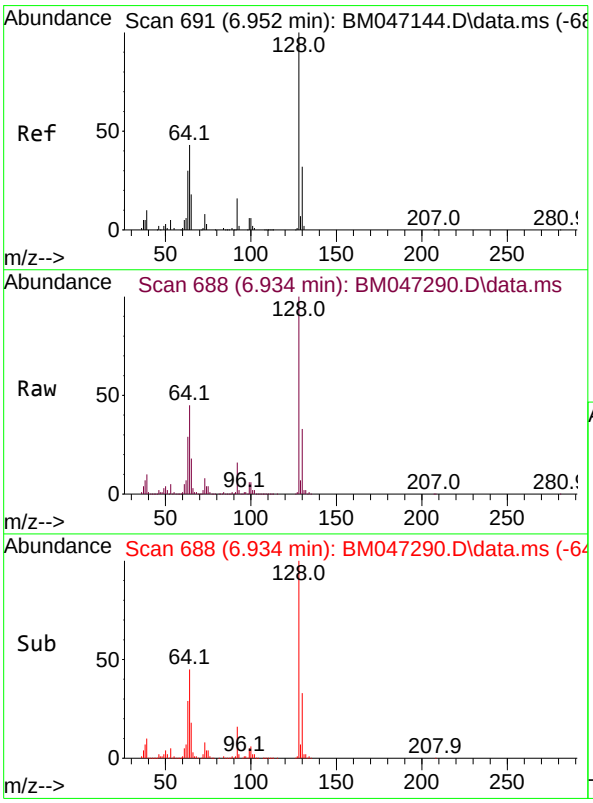
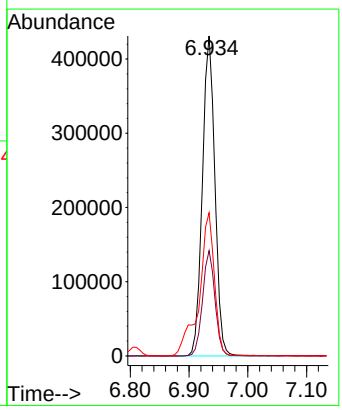
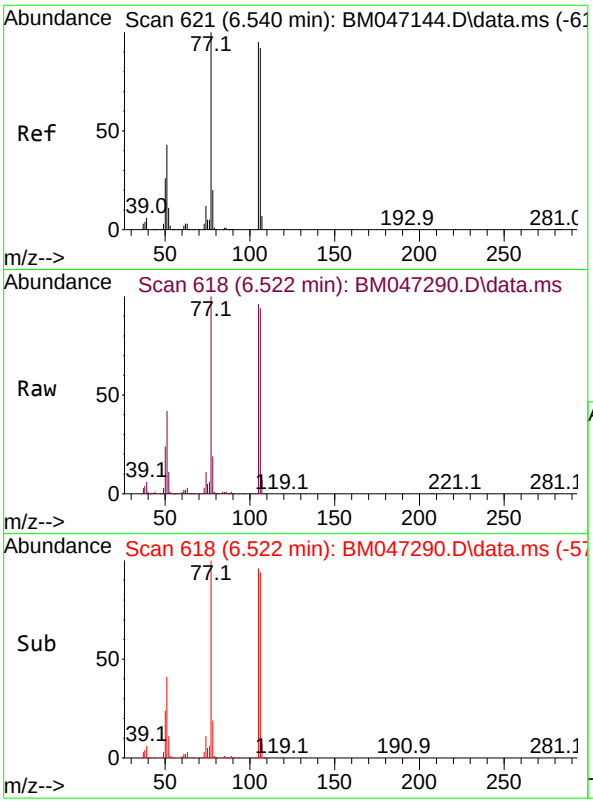


#8
2-Chlorophenol
Concen: 37.069 ng
RT: 6.934 min Scan# 688
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:128 Resp: 639913

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.1	52.1
64	44.7	26.6	66.6

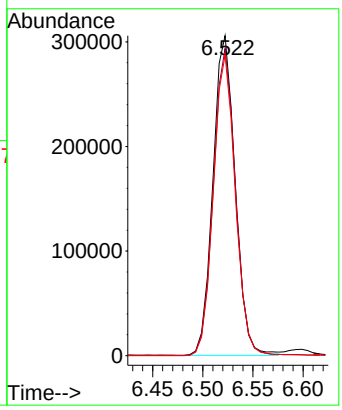




#9
Benzaldehyde
Concen: 41.897 ng
RT: 6.522 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 77 Resp: 47009

Ion	Ratio	Lower	Upper
77	100		
105	96.0	74.5	114.5
106	93.9	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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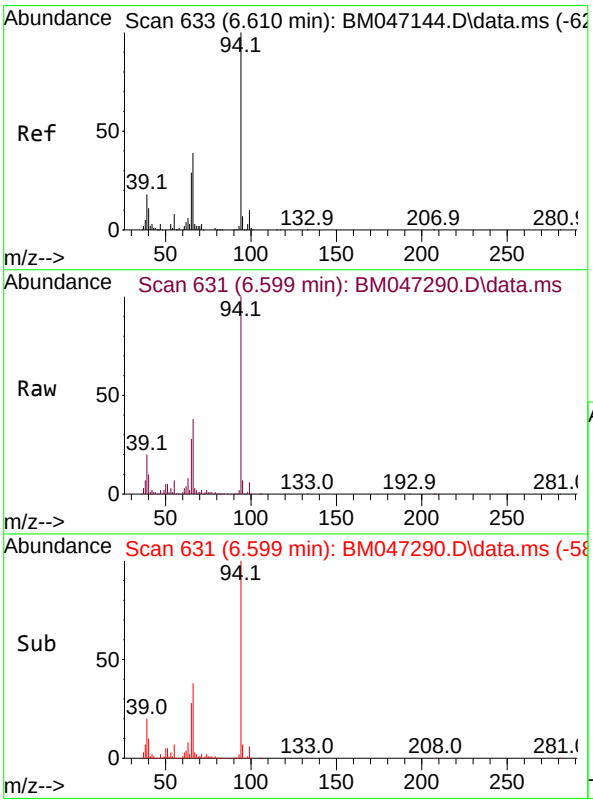
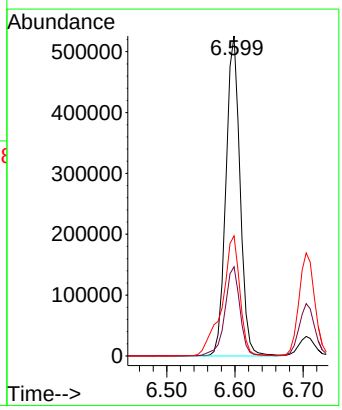
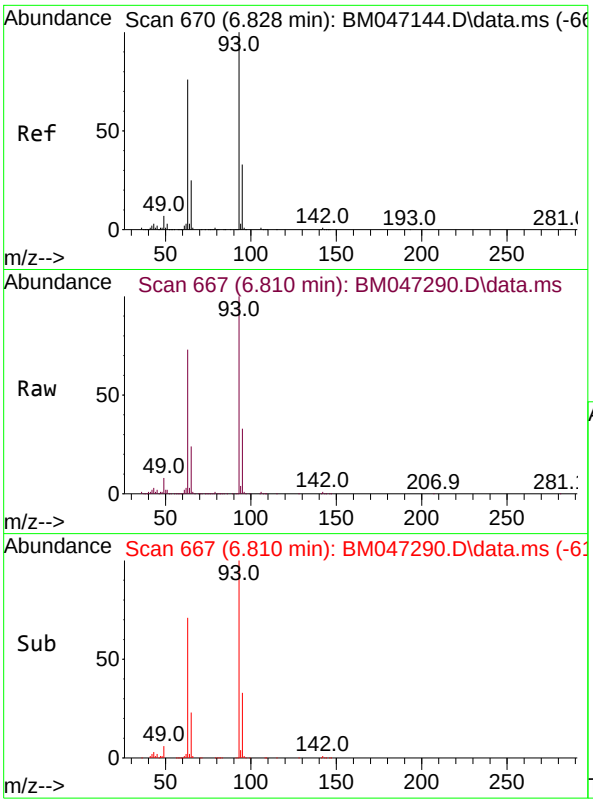


#10
Phenol
Concen: 34.932 ng
RT: 6.599 min Scan# 631
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 94 Resp: 760177

Ion	Ratio	Lower	Upper
94	100		
65	27.9	9.0	49.0
66	37.5	18.9	58.9

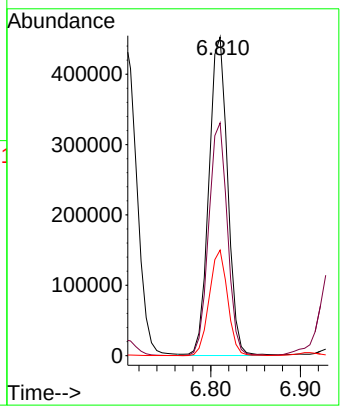




#11
bis(2-Chloroethyl)ether
Concen: 35.217 ng
RT: 6.810 min Scan# 6(
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 93 Resp: 65630

Ion	Ratio	Lower	Upper
93	100		
63	73.1	55.8	95.8
95	33.1	12.7	52.7



Instrument :
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ClientSampleId :
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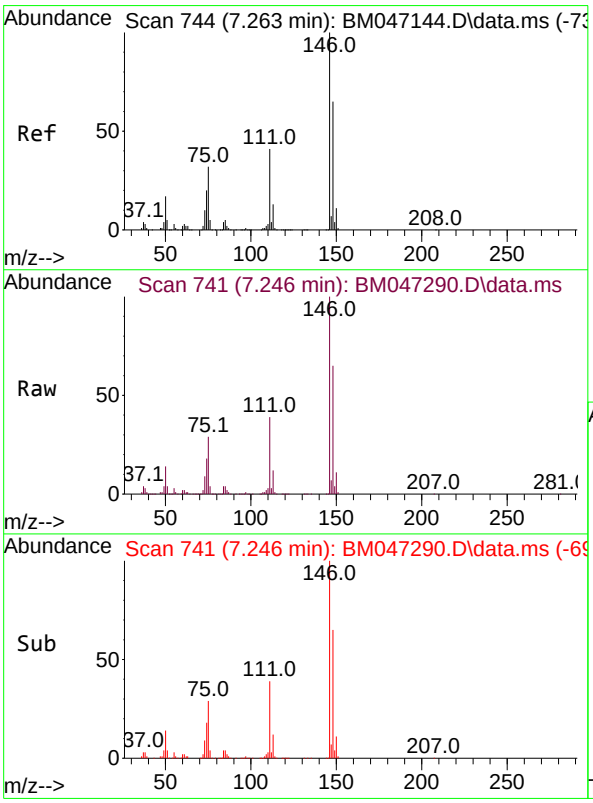
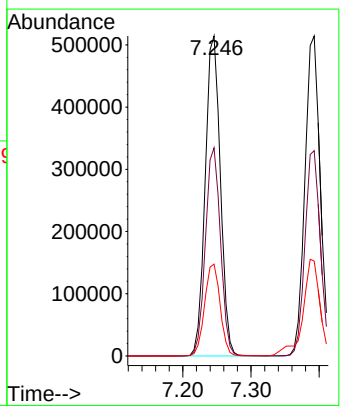
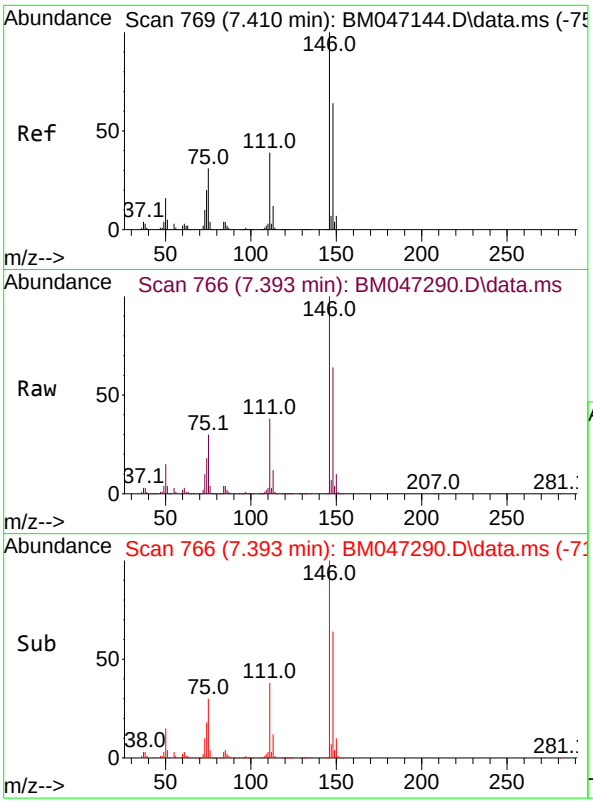


#12
1,3-Dichlorobenzene
Concen: 38.830 ng
RT: 7.246 min Scan# 741
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:146 Resp: 796545

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.3	78.5
75	28.7	25.8	38.6

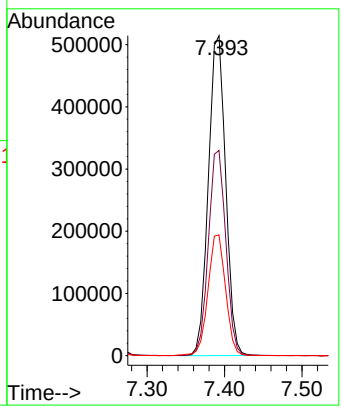




#13
1,4-Dichlorobenzene
Concen: 38.347 ng
RT: 7.393 min Scan# 7
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:146 Resp: 79645

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	37.8	31.5	47.3



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ClientSampleId :
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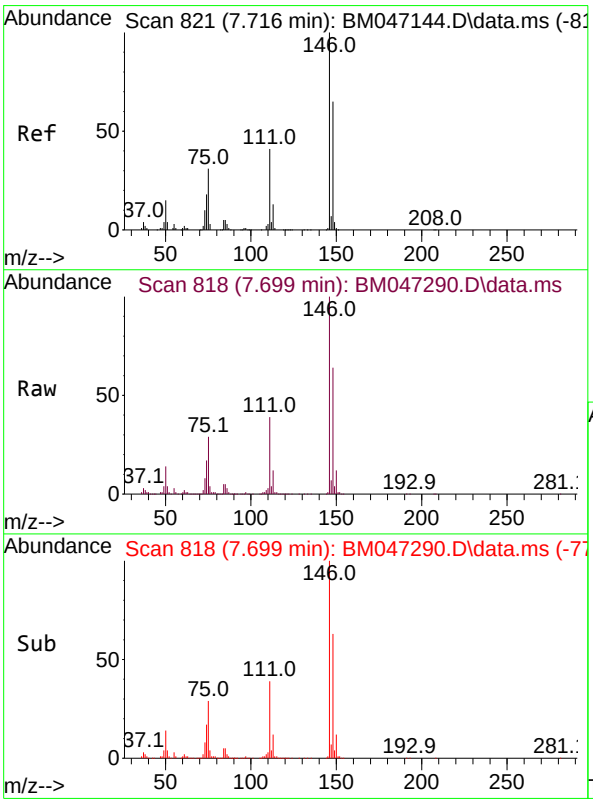
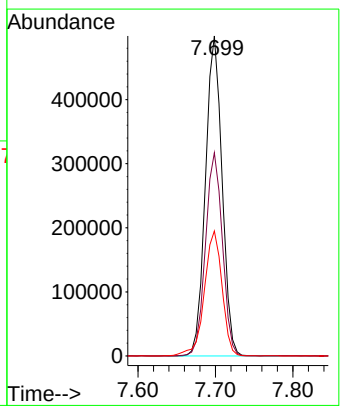
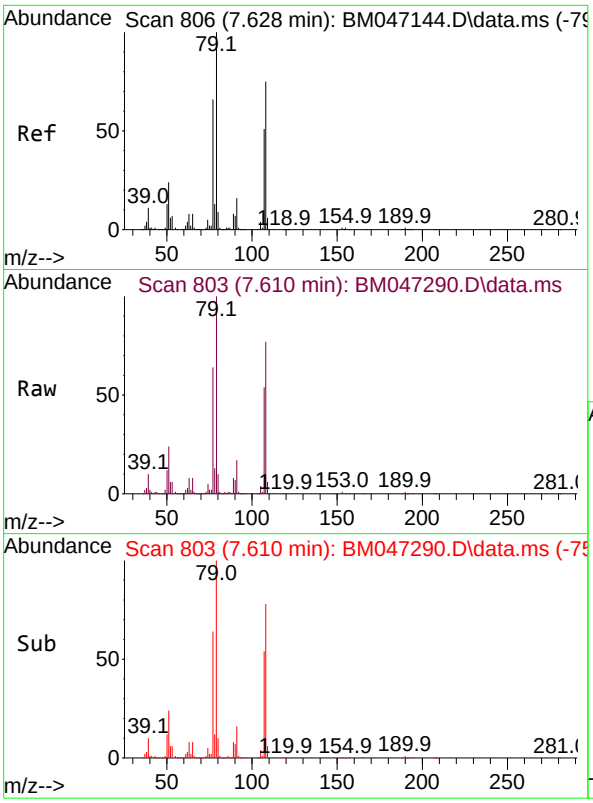


#14
1,2-Dichlorobenzene
Concen: 37.937 ng
RT: 7.699 min Scan# 818
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:146 Resp: 743440

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.8
111	39.0	33.3	49.9





#15
Benzyl Alcohol
Concen: 35.452 ng
RT: 7.610 min Scan# 8(
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 79 Resp: 55027

Ion	Ratio	Lower	Upper
79	100		
108	77.4	59.7	89.5
77	64.2	52.9	79.3

Instrument :
BNA_M
ClientSampleId :
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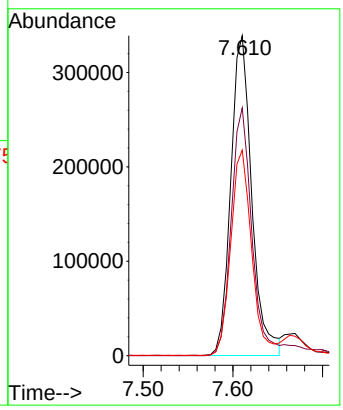
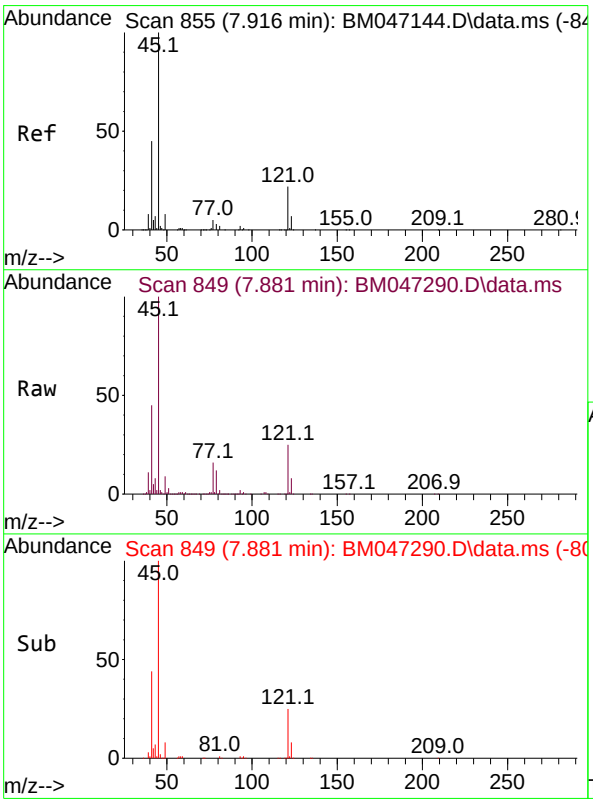
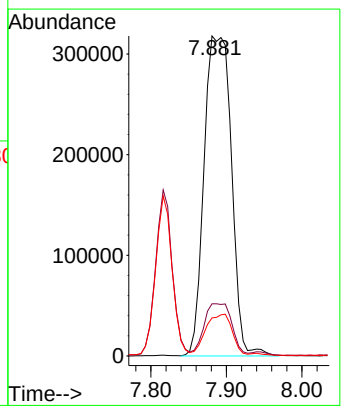


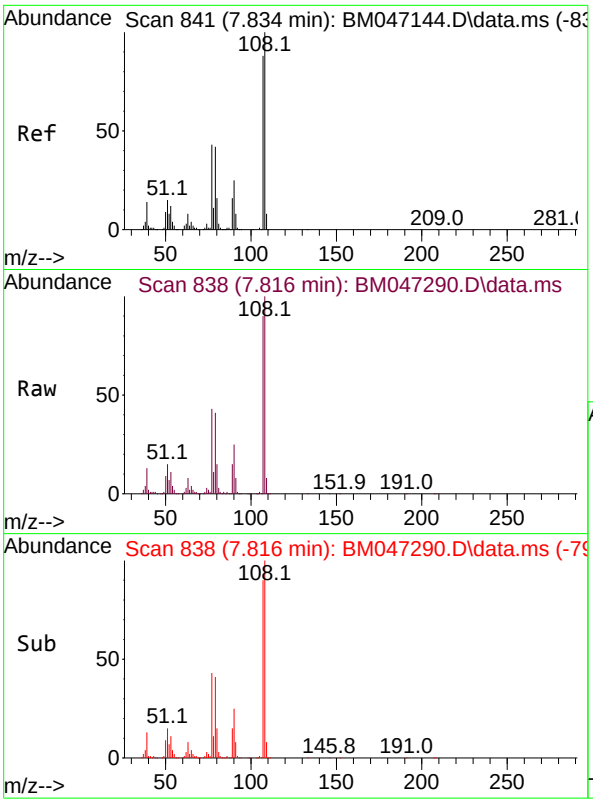


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.444 ng m
RT: 7.881 min Scan# 849
Delta R.T. -0.035 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 45 Resp: 799787

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	35.6
79	11.9	0.0	32.4

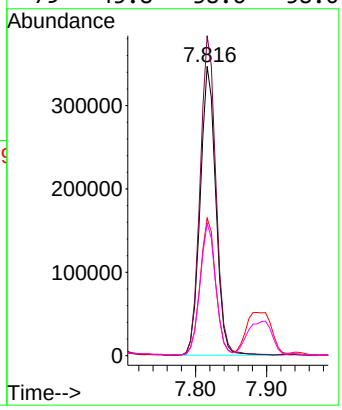




#17
2-Methylphenol
Concen: 36.542 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:107 Resp: 53052

Ion	Ratio	Lower	Upper
107	100		
108	110.6	90.6	135.8
77	47.6	39.3	58.9
79	45.8	38.6	58.0



Instrument :
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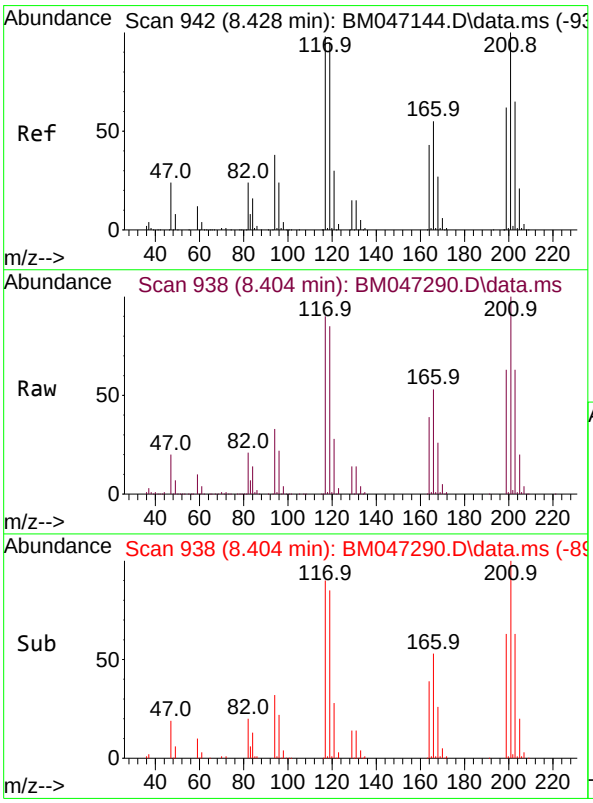
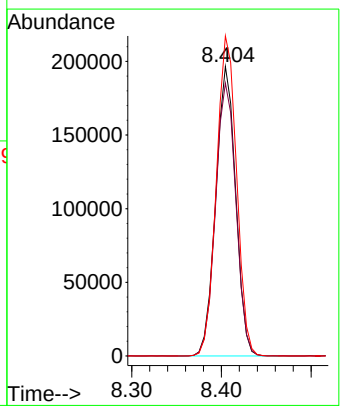
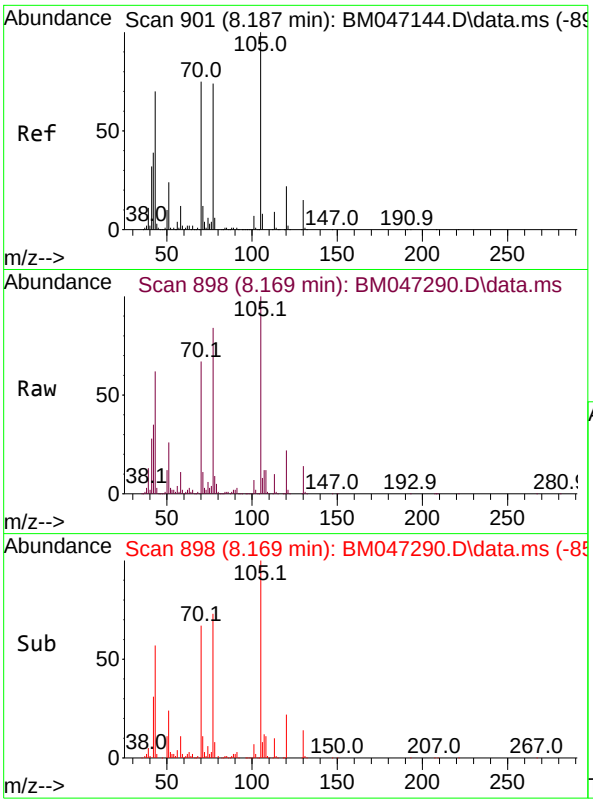


#18
Hexachloroethane
Concen: 37.604 ng
RT: 8.404 min Scan# 938
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:117 Resp: 302537

Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.0	115.4
201	110.6	81.3	121.9



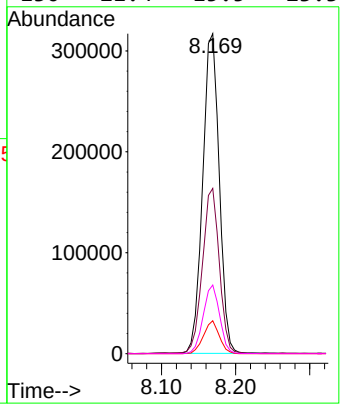


#19
n-Nitroso-di-n-propylamine
Concen: 33.410 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 49080

Ion	Ratio	Lower	Upper
70	100		
42	51.6	42.0	63.0
101	10.3	7.2	10.8
130	21.4	15.5	23.3



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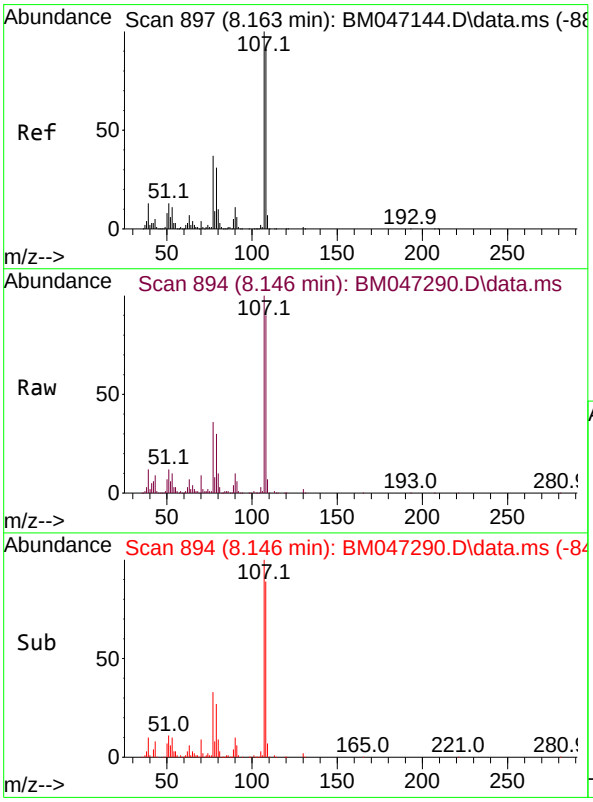
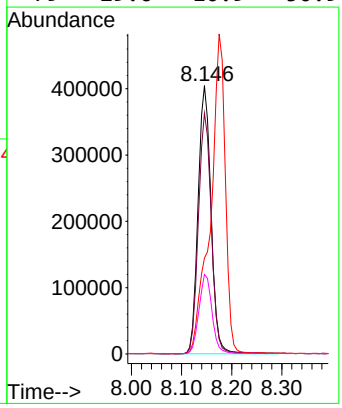
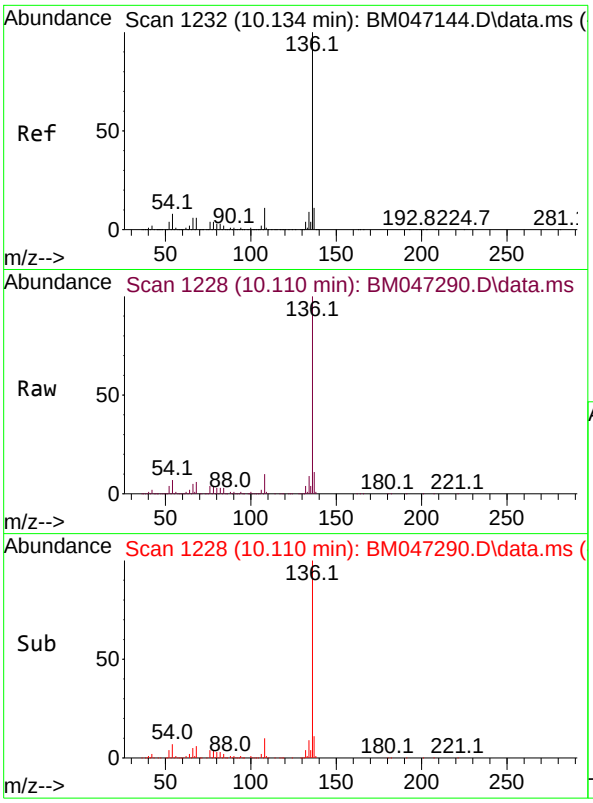


#20
3+4-Methylphenols
Concen: 35.726 ng
RT: 8.146 min Scan# 894
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:107 Resp: 725121

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.7	110.7
77	35.7	17.4	57.4
79	29.6	10.9	50.9

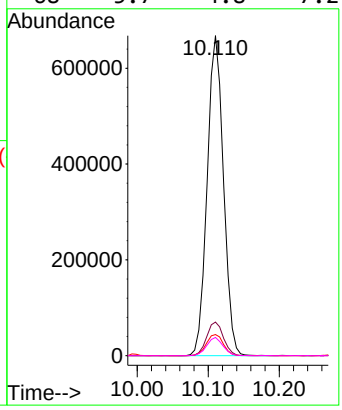




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:136 Resp: 106591

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.6	6.0	9.0
68	5.7	4.8	7.2



Instrument :
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ClientSampleId :
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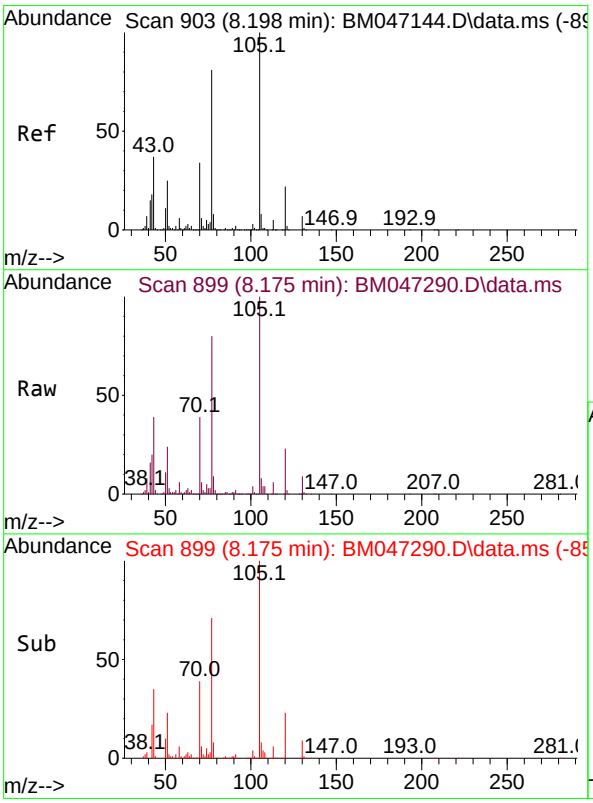
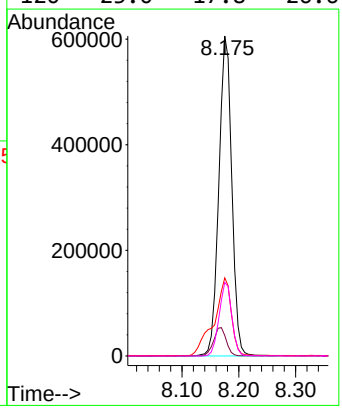
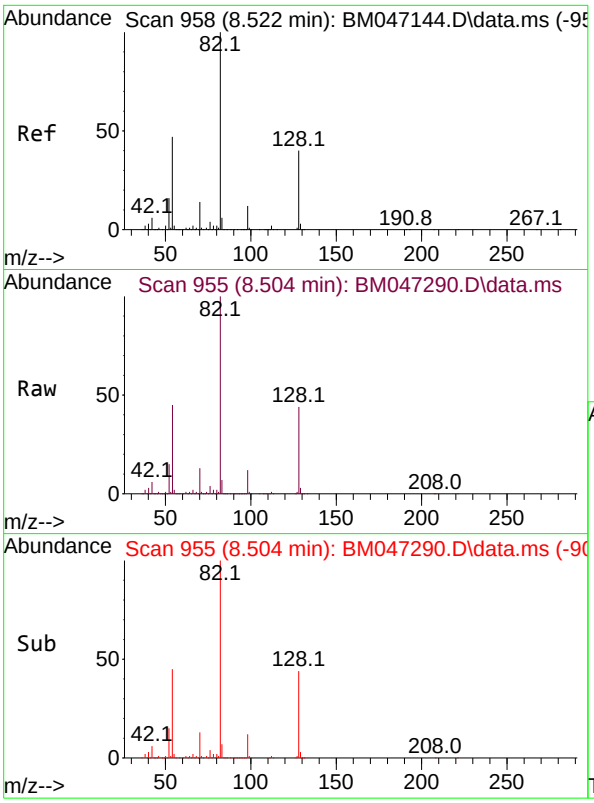


#22
Acetophenone
Concen: 37.360 ng
RT: 8.175 min Scan# 899
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:105 Resp: 961262

Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.5	6.7
51	24.4	20.1	30.1
120	23.0	17.8	26.6

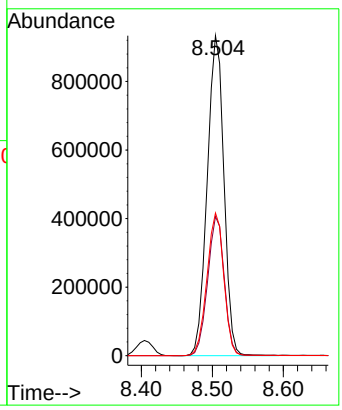




#23
Nitrobenzene-d5
Concen: 72.111 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 82 Resp: 152650

Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.3	48.5
54	44.6	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
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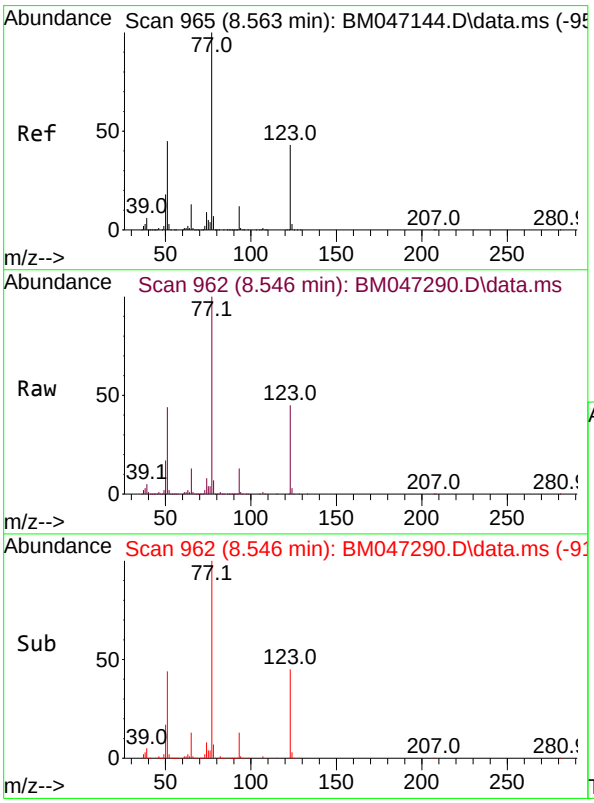
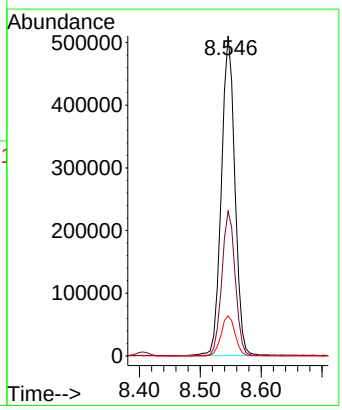
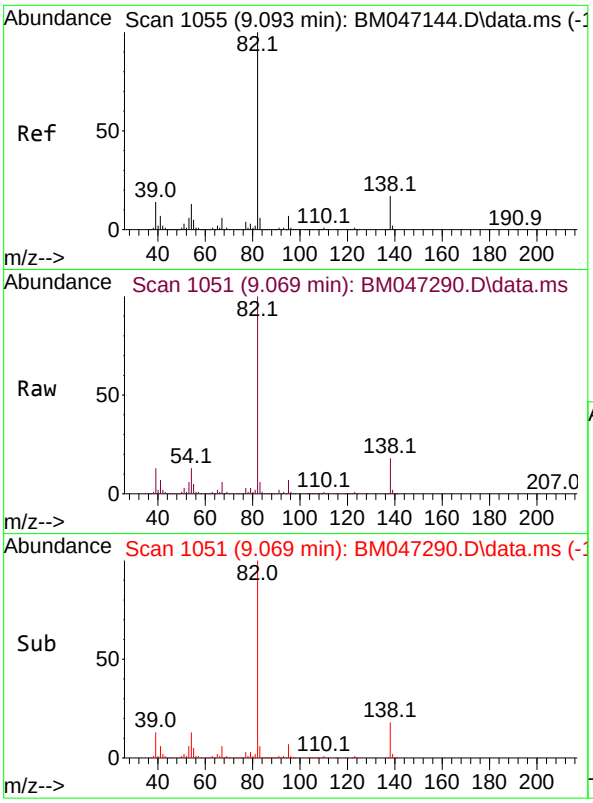


#24
Nitrobenzene
Concen: 36.804 ng
RT: 8.546 min Scan# 962
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 77 Resp: 784518

Ion	Ratio	Lower	Upper
77	100		
123	45.2	34.0	51.0
65	12.6	10.5	15.7

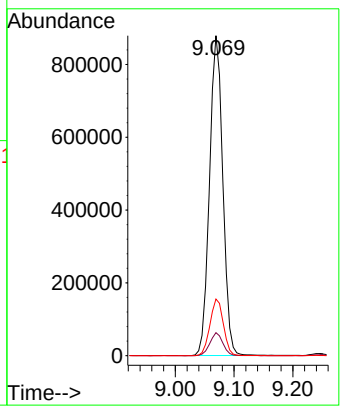




#25
Isophorone
Concen: 37.499 ng
RT: 9.069 min Scan# 1(
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 82 Resp: 138215(

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	17.7	13.5	20.3



Instrument :
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ClientSampleId :
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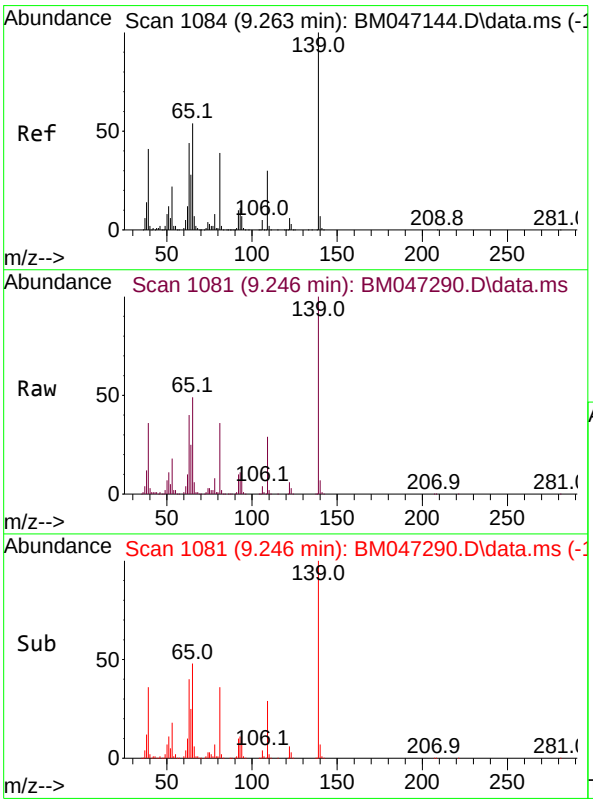
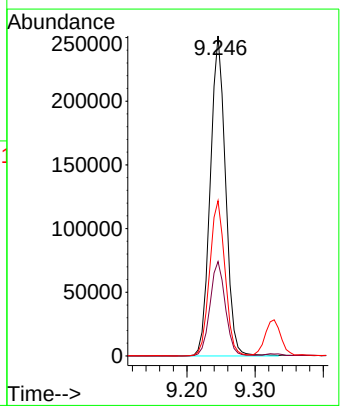
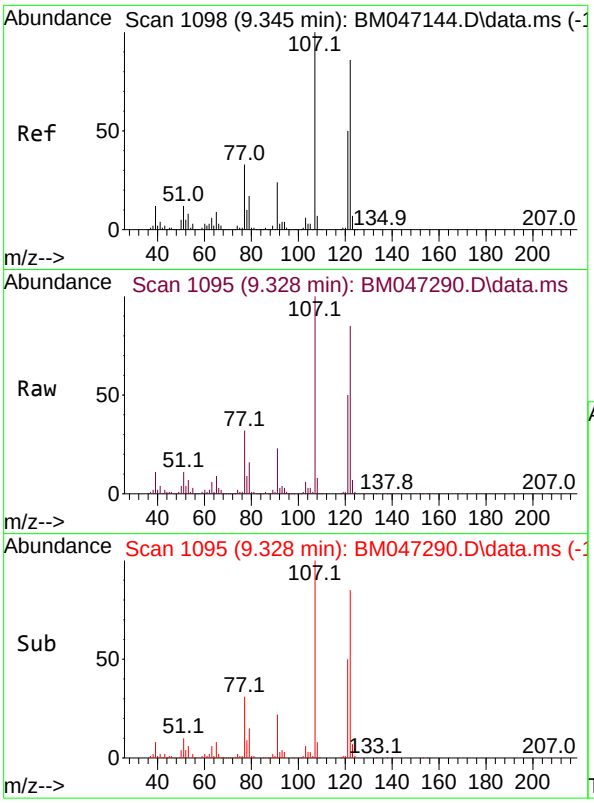


#26
2-Nitrophenol
Concen: 41.489 ng
RT: 9.246 min Scan# 1081
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:139 Resp: 391654

Ion	Ratio	Lower	Upper
139	100		
109	29.5	24.4	36.6
65	48.5	43.0	64.6

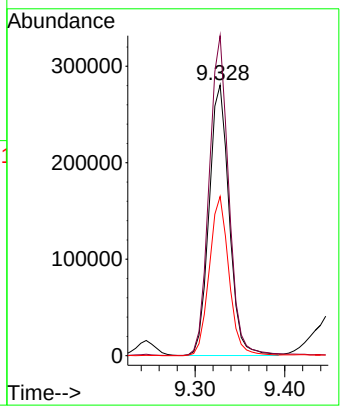




#27
2,4-Dimethylphenol
Concen: 39.401 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:122 Resp: 43568

Ion	Ratio	Lower	Upper
122	100		
107	118.2	92.8	139.2
121	58.9	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
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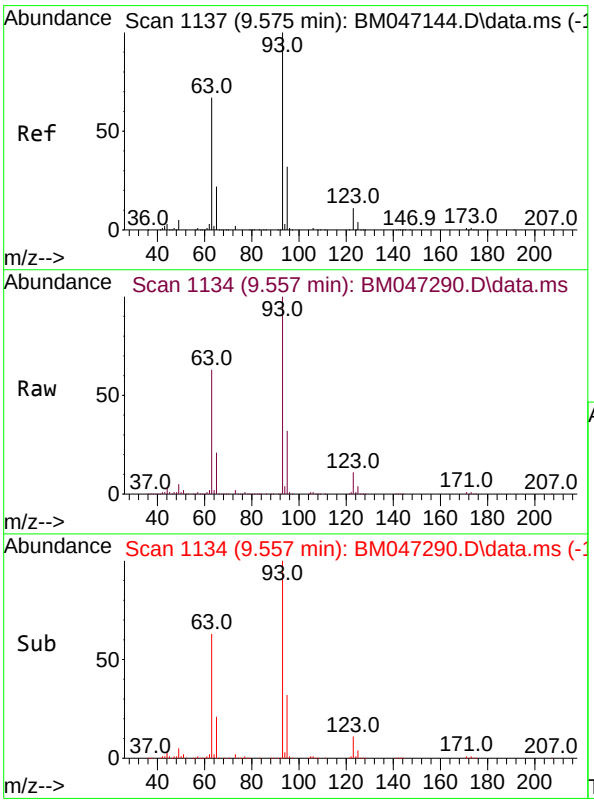
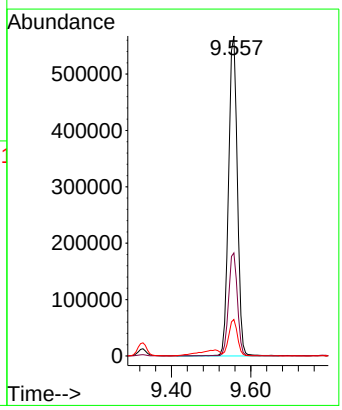
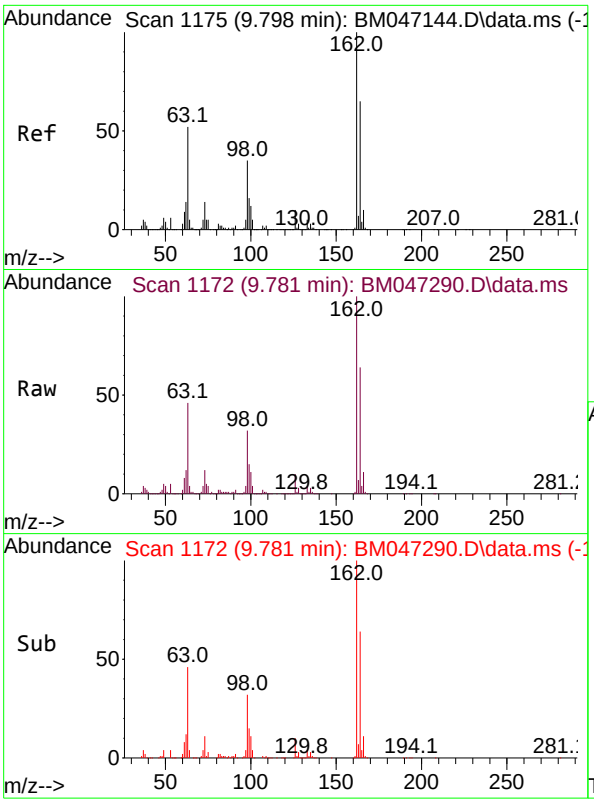


#28
bis(2-Chloroethoxy)methane
Concen: 37.647 ng
RT: 9.557 min Scan# 1134
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 93 Resp: 873124

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	11.4	9.0	13.4

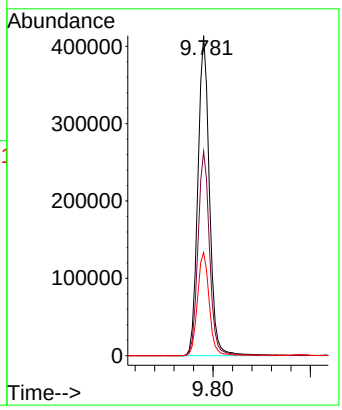




#29
2,4-Dichlorophenol
Concen: 41.666 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:162 Resp: 68363

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.7	84.7
98	32.3	14.9	54.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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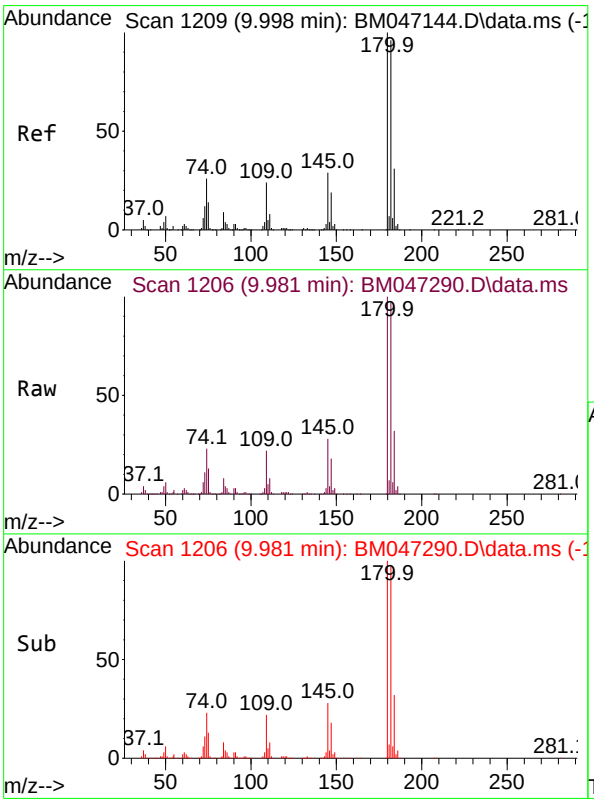
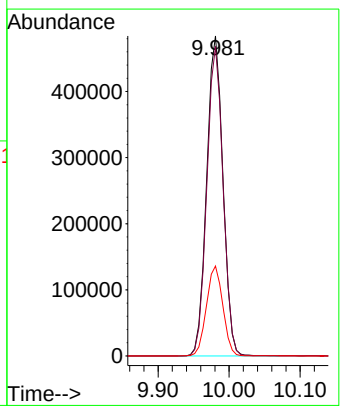
Supervised By :mohammad ahmed 08/23/2024

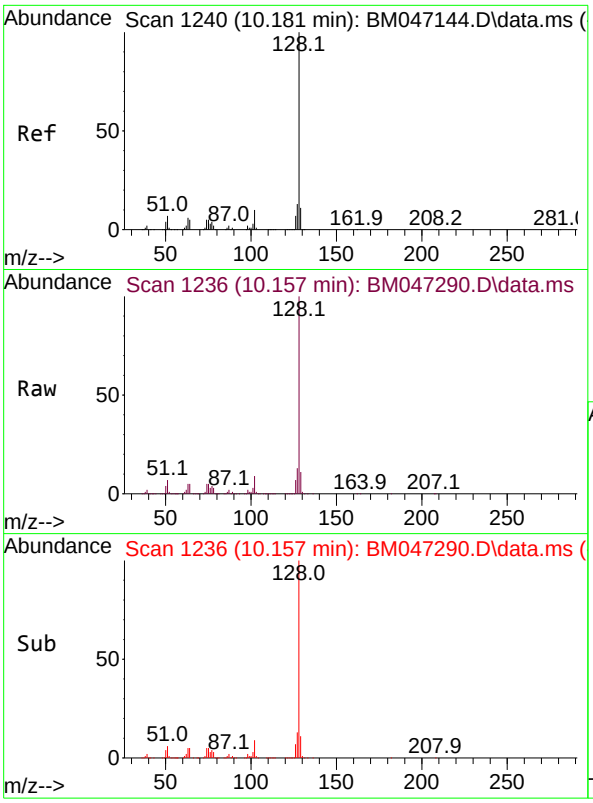


#30
1,2,4-Trichlorobenzene
Concen: 41.547 ng
RT: 9.981 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:180 Resp: 771432

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.6	115.0
145	28.1	23.4	35.2

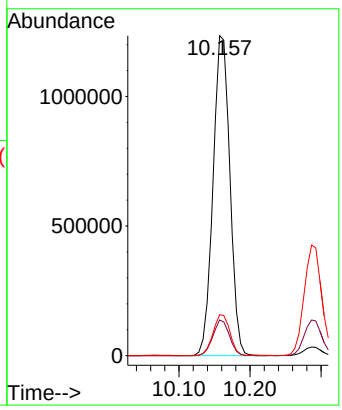




#31
Naphthalene
Concen: 38.199 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:128 Resp: 202837

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
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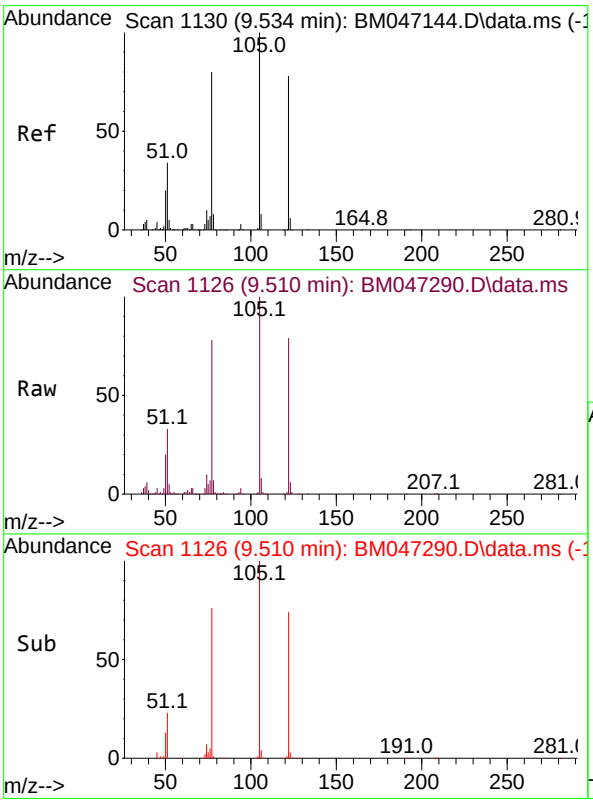
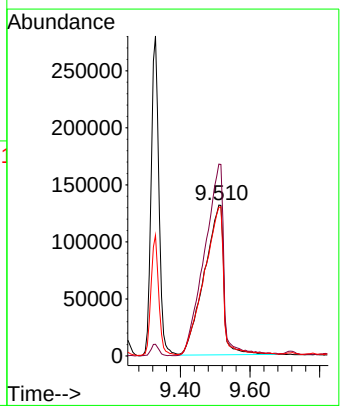
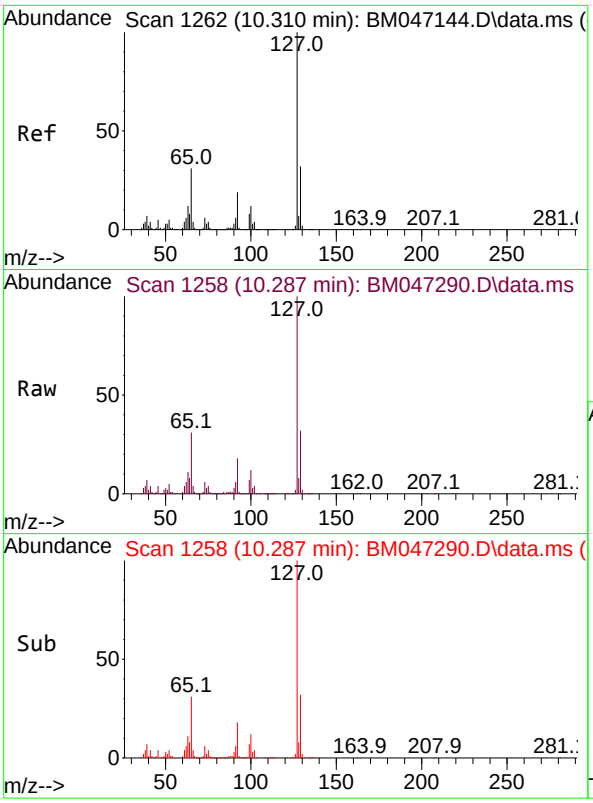


#32
Benzoic acid
Concen: 39.926 ng
RT: 9.510 min Scan# 1126
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:122 Resp: 512943

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.1	147.1
77	98.6	82.1	122.1

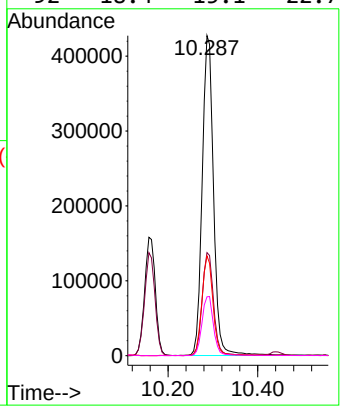




#33
4-Chloroaniline
Concen: 36.739 ng
RT: 10.287 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:127 Resp: 75021

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	31.2	24.9	37.3
92	18.4	15.1	22.7



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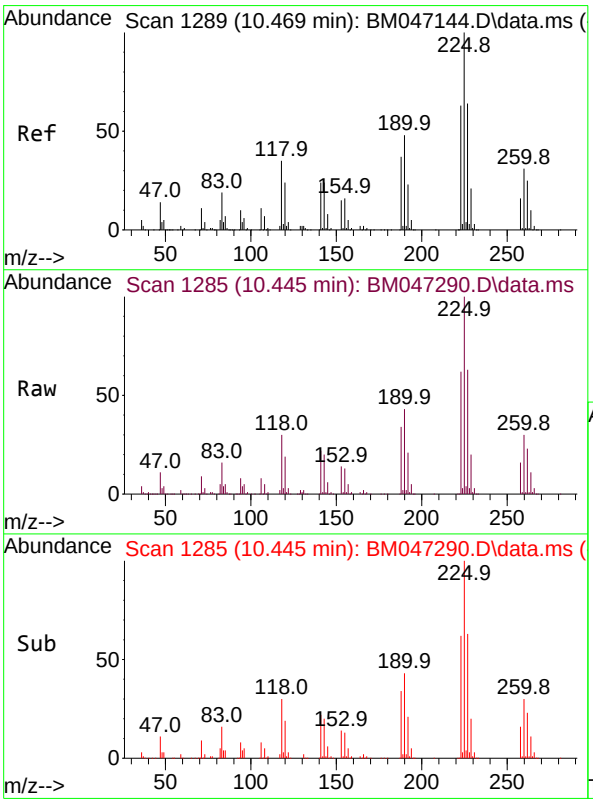
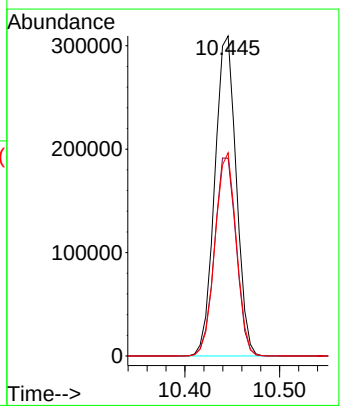
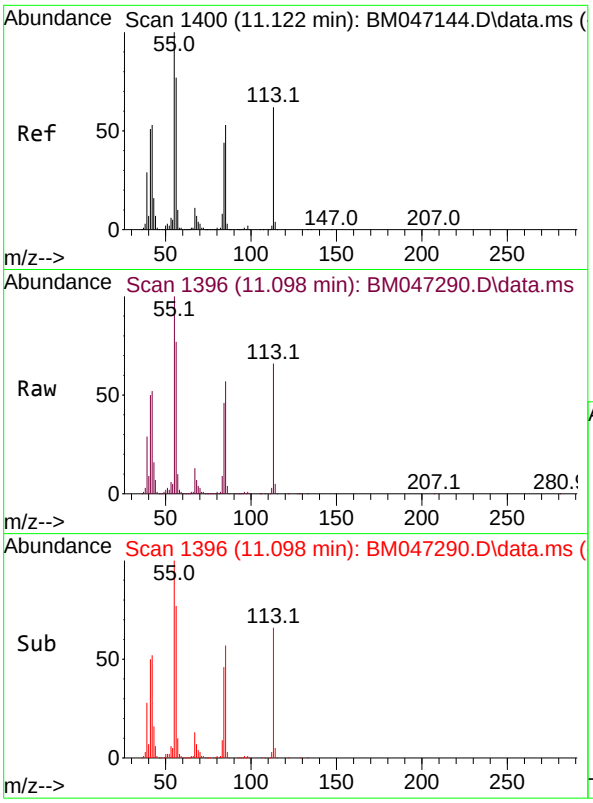


#34
Hexachlorobutadiene
Concen: 44.912 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:225 Resp: 488102

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.2	75.2
227	63.5	51.4	77.0

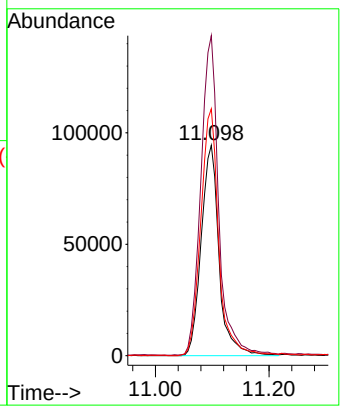




#35
Caprolactam
Concen: 36.147 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:113 Resp: 20596

Ion	Ratio	Lower	Upper
113	100		
55	152.0	140.5	180.5
56	117.3	103.6	143.6



Instrument :
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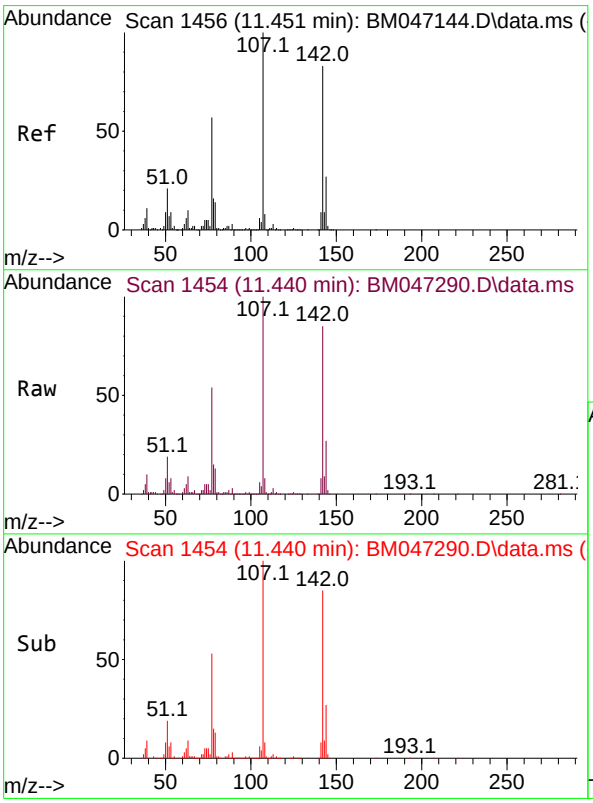
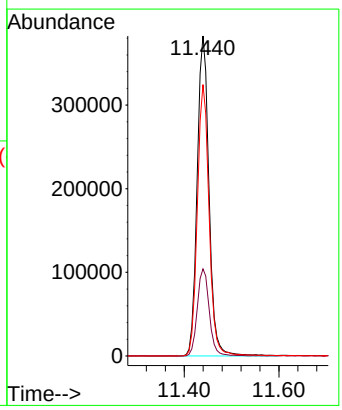
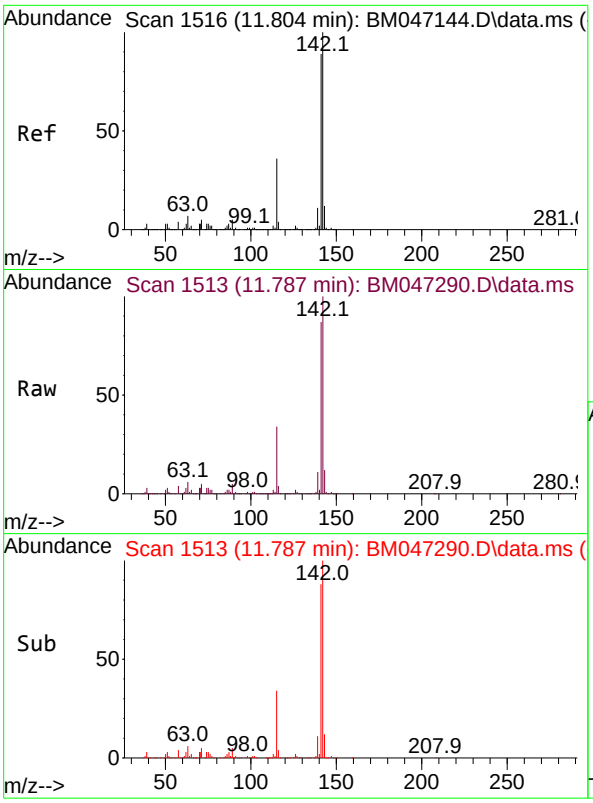


#36
4-Chloro-3-methylphenol
Concen: 37.944 ng
RT: 11.440 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:107 Resp: 663033

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.8	32.6
142	84.8	66.8	100.2

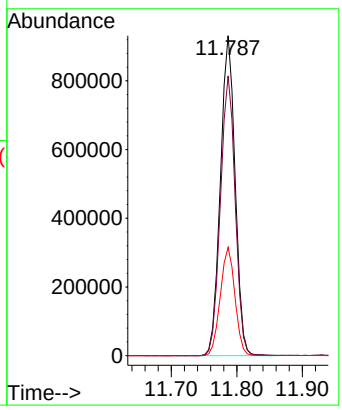




#37
2-Methylnaphthalene
Concen: 38.227 ng
RT: 11.787 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:142 Resp: 144528

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.9	106.3
115	33.9	28.7	43.1



Instrument :
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ClientSampleId :
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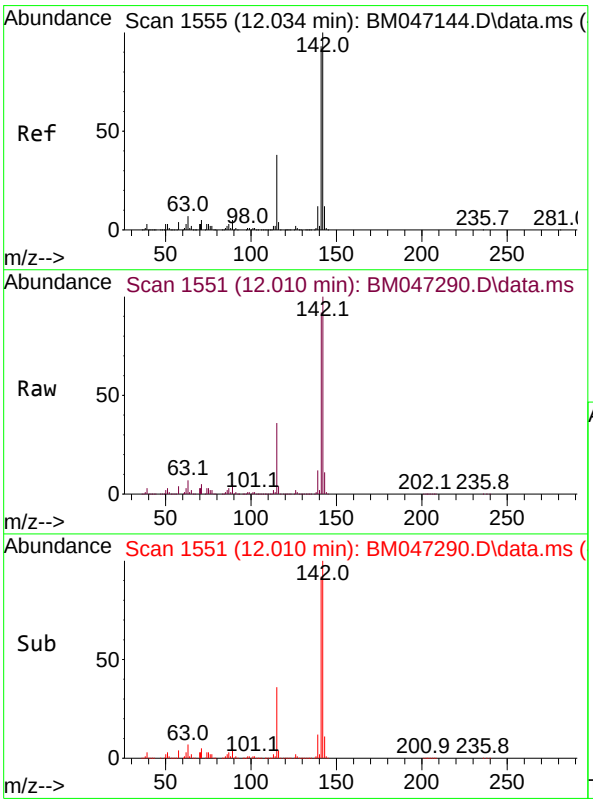
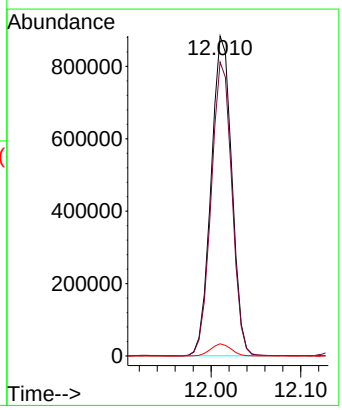
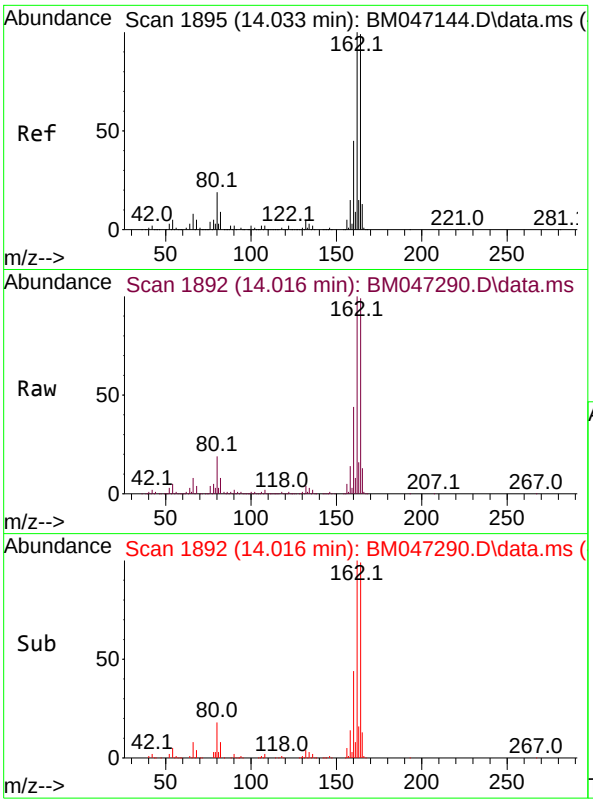


#38
1-Methylnaphthalene
Concen: 37.886 ng
RT: 12.010 min Scan# 1551
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:142 Resp: 1415638

Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.6	111.8
116	3.8	3.1	4.7

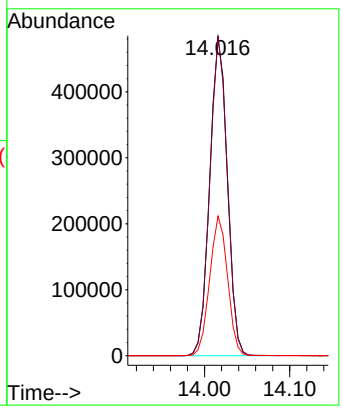




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:164 Resp: 69420

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.7	121.1
160	44.0	36.0	54.0



Instrument :
BNA_M
ClientSampleId :
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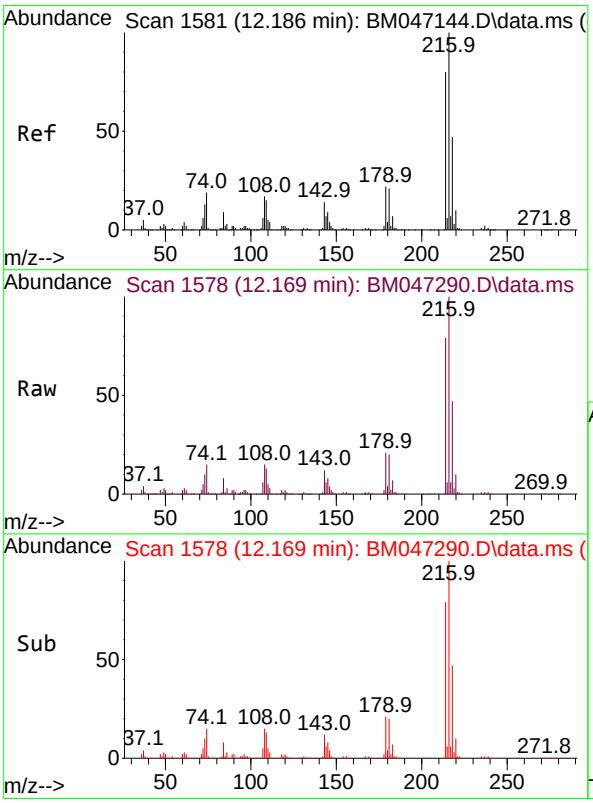
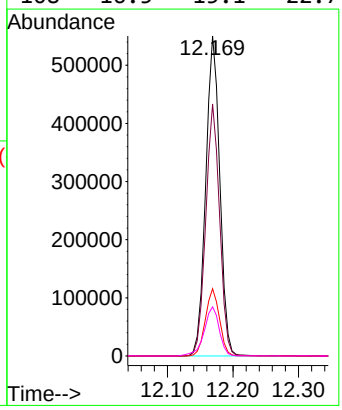
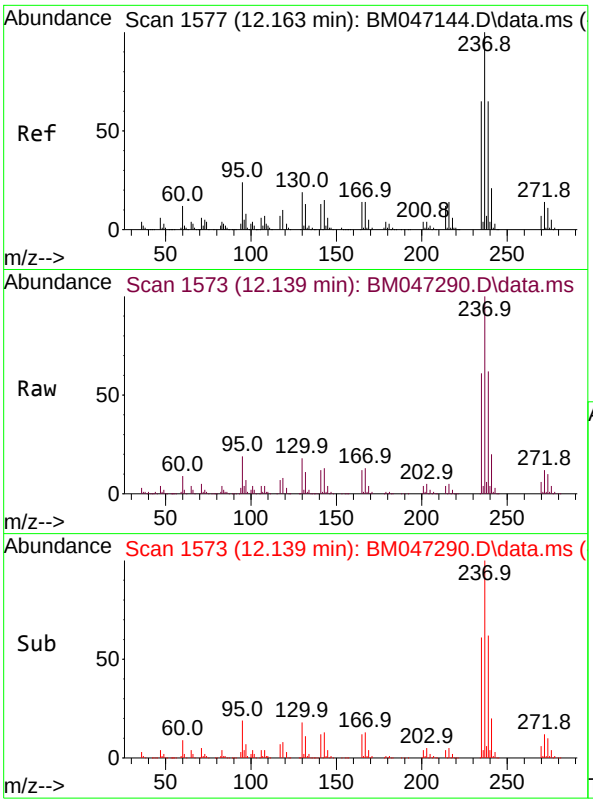


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.362 ng
RT: 12.169 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:216 Resp: 821057

Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.4	95.2
179	21.0	17.6	26.4
108	16.5	15.1	22.7

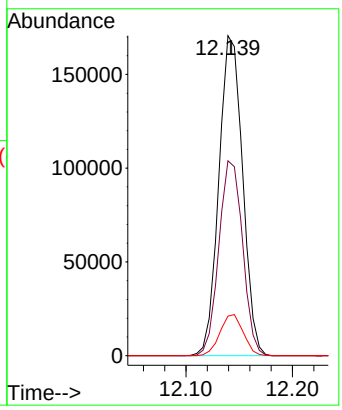




#41
Hexachlorocyclopentadiene
Concen: 39.925 ng
RT: 12.139 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:237 Resp: 26397

Ion	Ratio	Lower	Upper
237	100		
235	60.9	44.8	84.8
272	12.4	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
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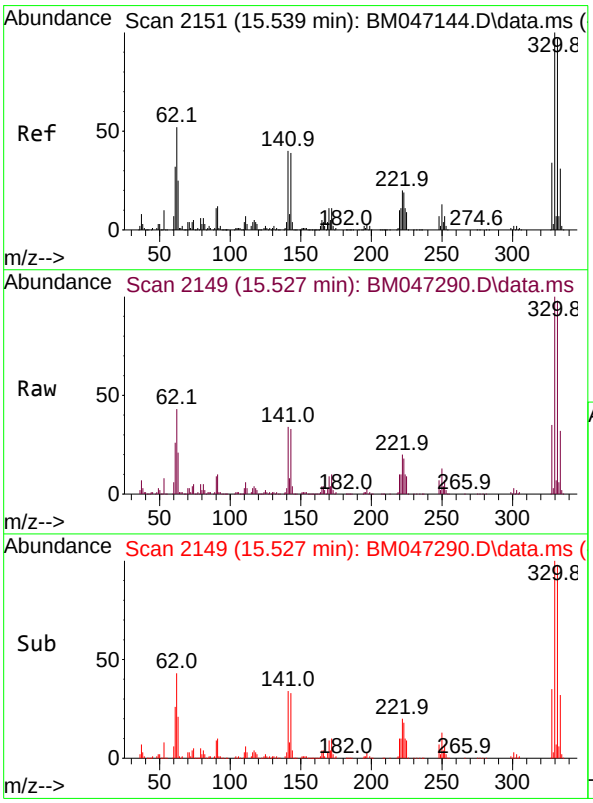
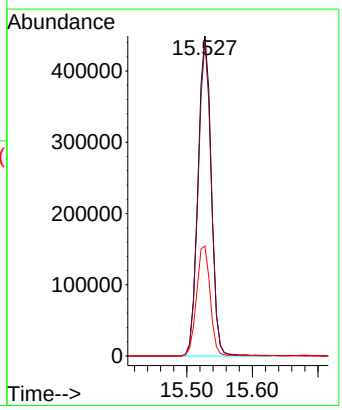
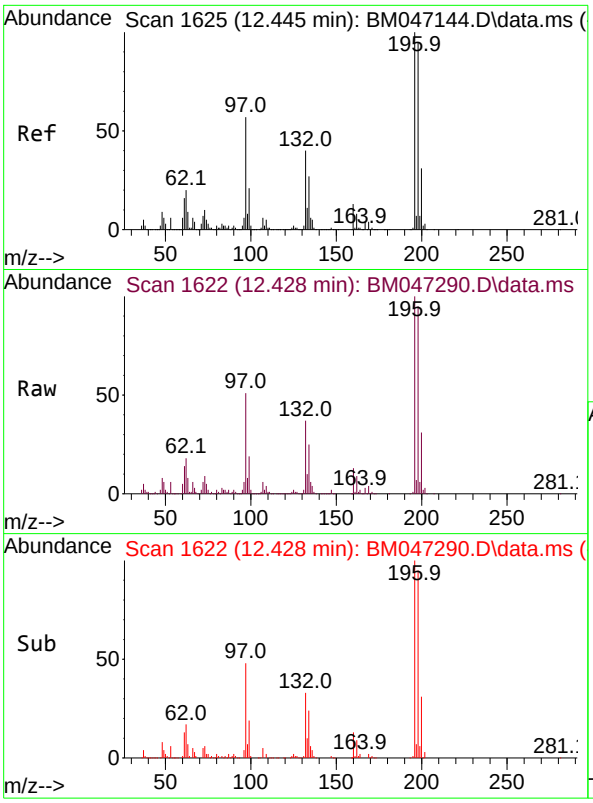


#42
2,4,6-Tribromophenol
Concen: 78.689 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:330 Resp: 633400

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	35.4	31.6	47.4

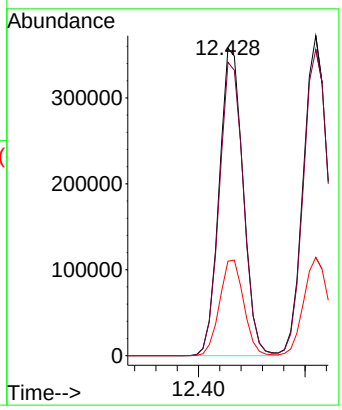




#43
2,4,6-Trichlorophenol
Concen: 41.511 ng
RT: 12.428 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:196 Resp: 55867

Ion	Ratio	Lower	Upper
196	100		
198	95.5	75.6	113.4
200	30.8	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
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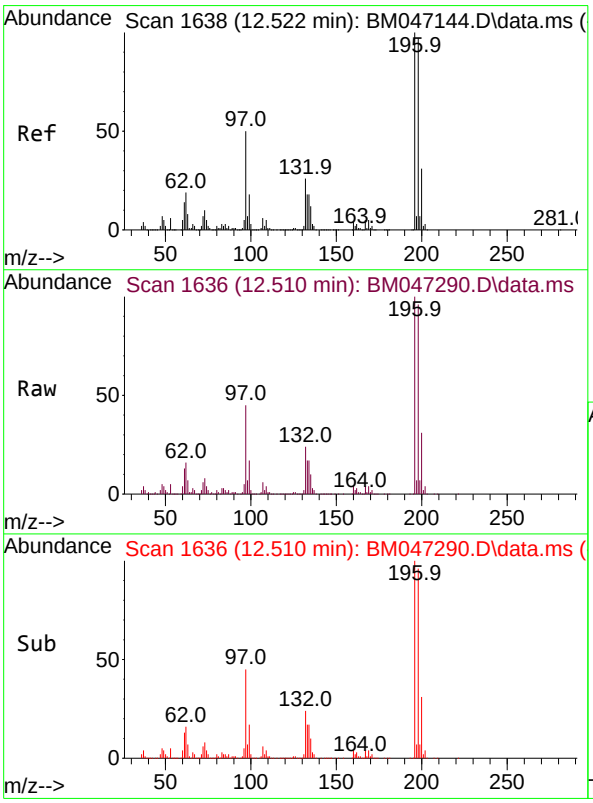
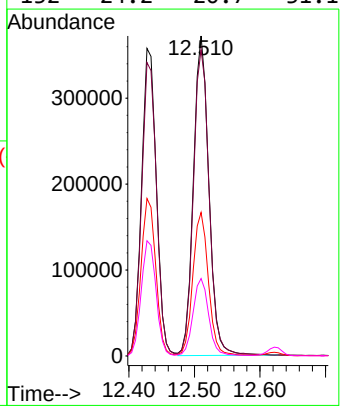
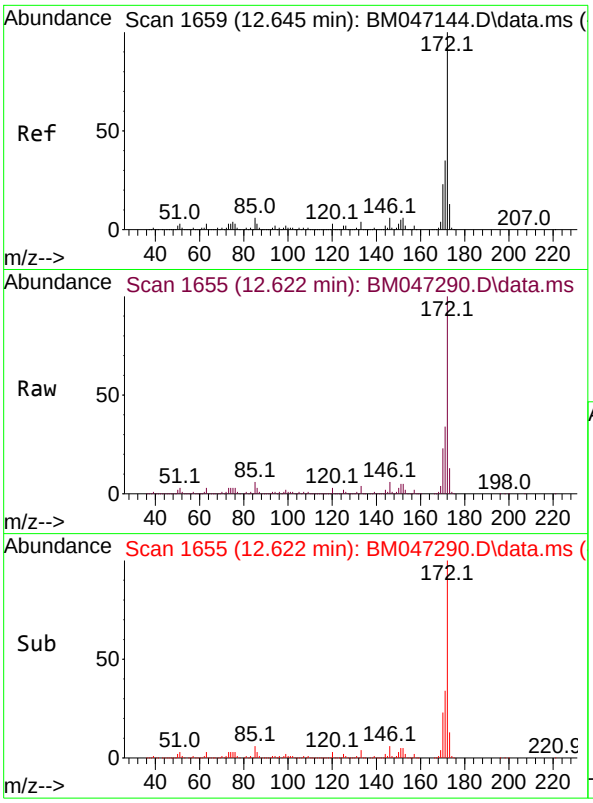


#44
2,4,5-Trichlorophenol
Concen: 40.946 ng
RT: 12.510 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:196 Resp: 611855

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.7	116.5
97	44.9	39.8	59.8
132	24.2	20.7	31.1

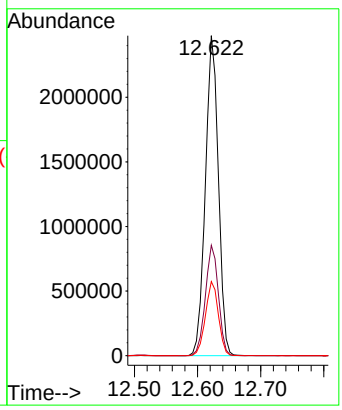




#45
2-Fluorobiphenyl
Concen: 78.711 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:172 Resp: 354235

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.1	18.7	28.1



Instrument :
BNA_M
ClientSampleId :
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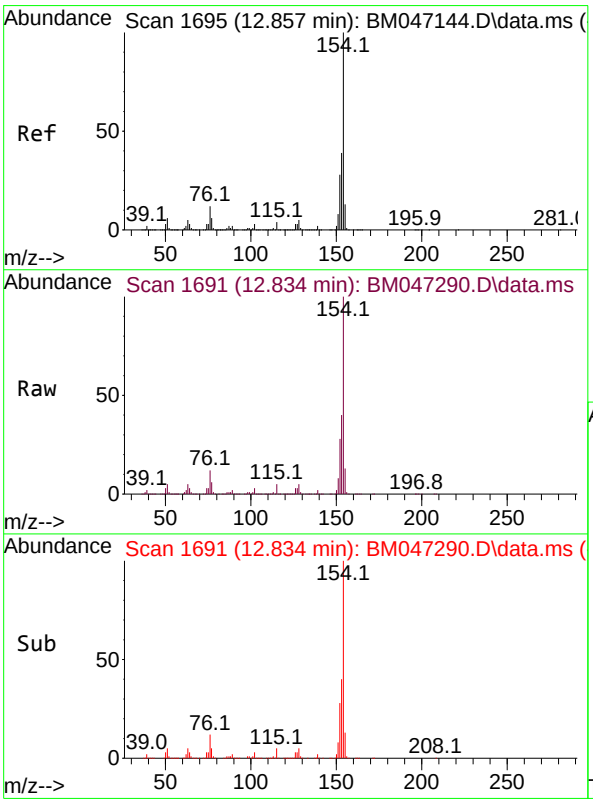
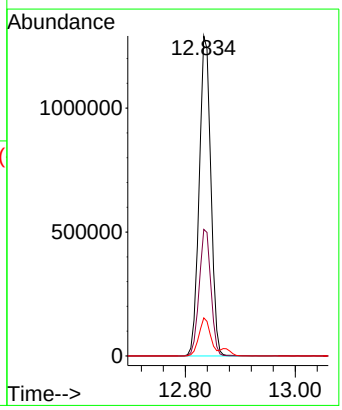
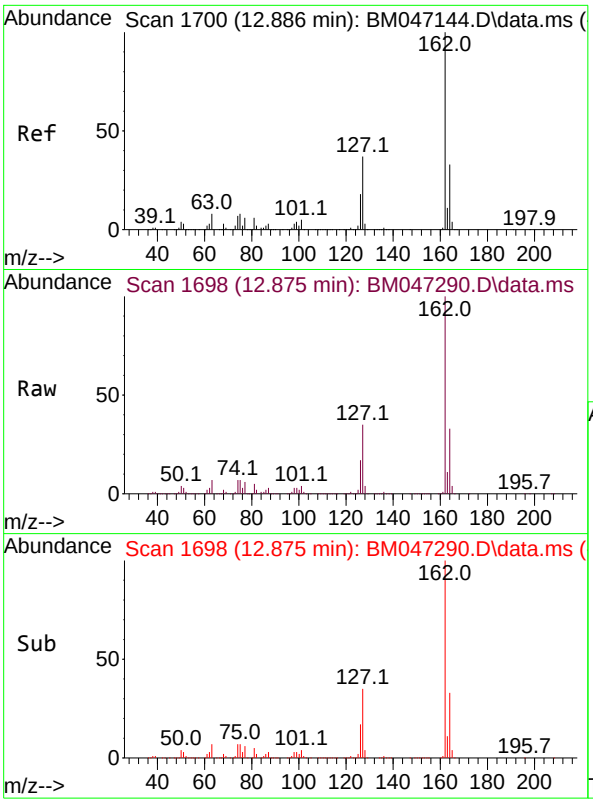


#46
1,1'-Biphenyl
Concen: 38.335 ng
RT: 12.834 min Scan# 1691
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:154 Resp: 1894581

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.0	59.0
76	11.9	0.0	31.9

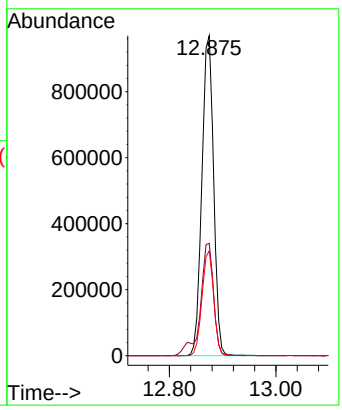




#47
2-Chloronaphthalene
Concen: 38.345 ng
RT: 12.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:162 Resp: 148119

Ion	Ratio	Lower	Upper
162	100		
127	35.1	30.0	45.0
164	32.8	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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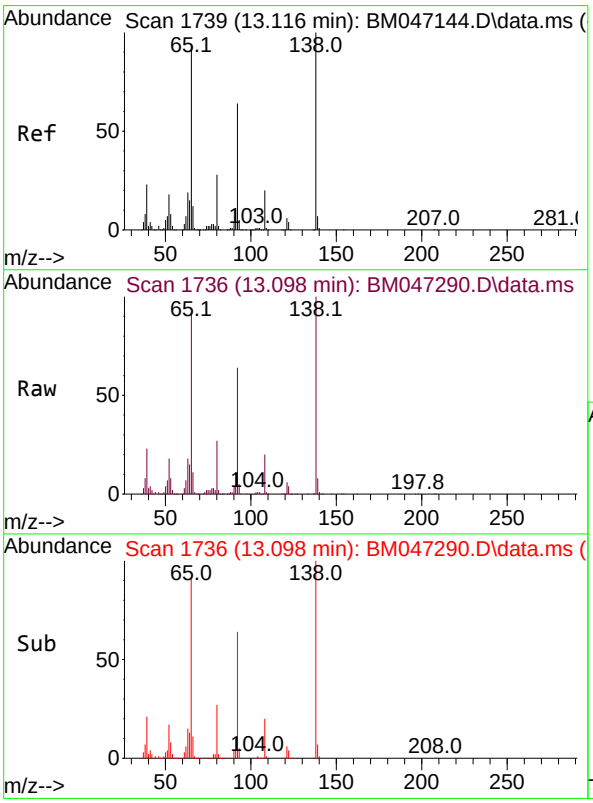
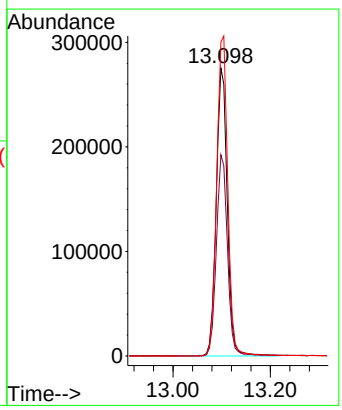
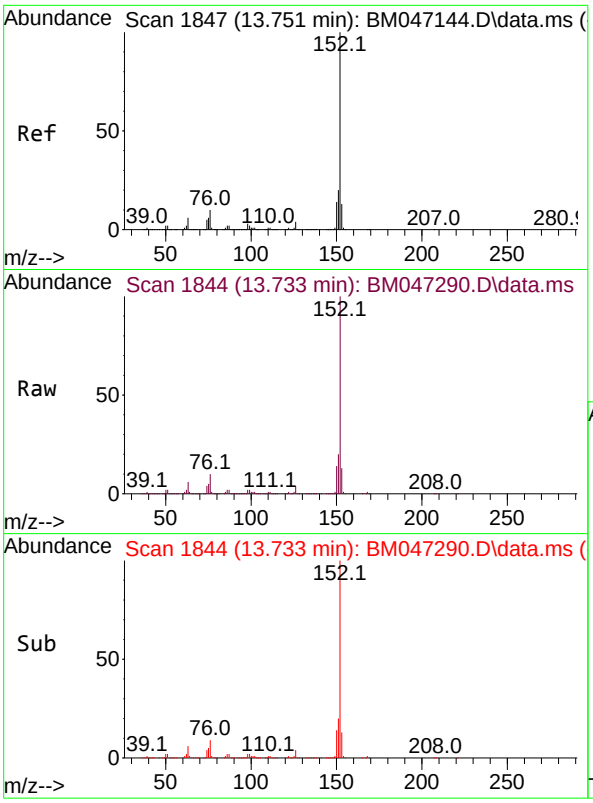


#48
2-Nitroaniline
Concen: 35.814 ng
RT: 13.098 min Scan# 1736
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 65 Resp: 433401

Ion	Ratio	Lower	Upper
65	100		
92	69.9	55.1	82.7
138	109.0	85.9	128.9

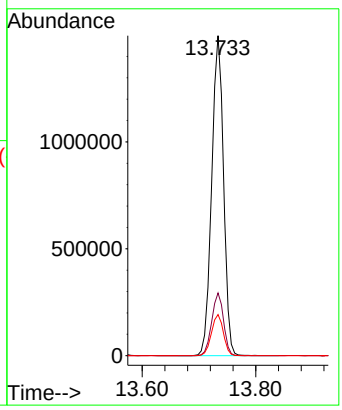




#49
Acenaphthylene
Concen: 37.902 ng
RT: 13.733 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:152 Resp: 215810

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.9	10.4	15.6



Instrument :
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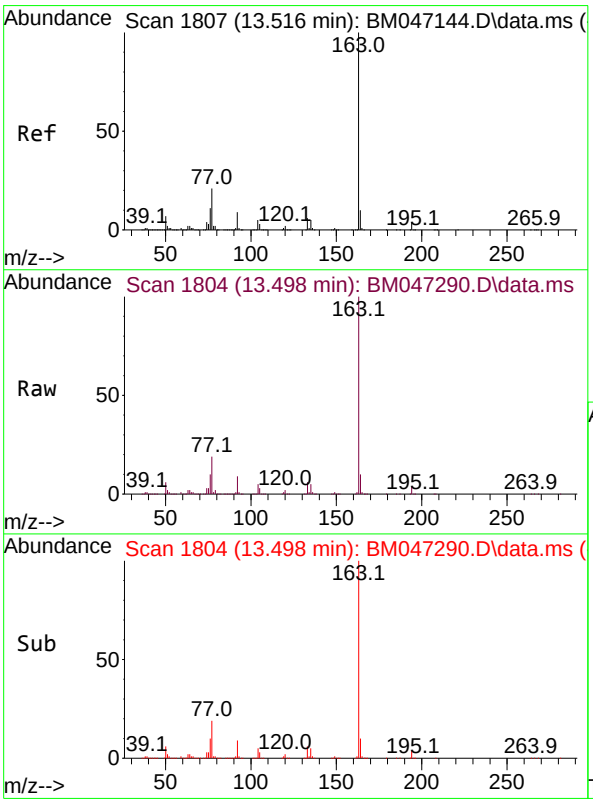
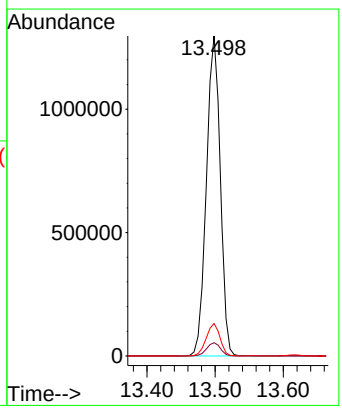
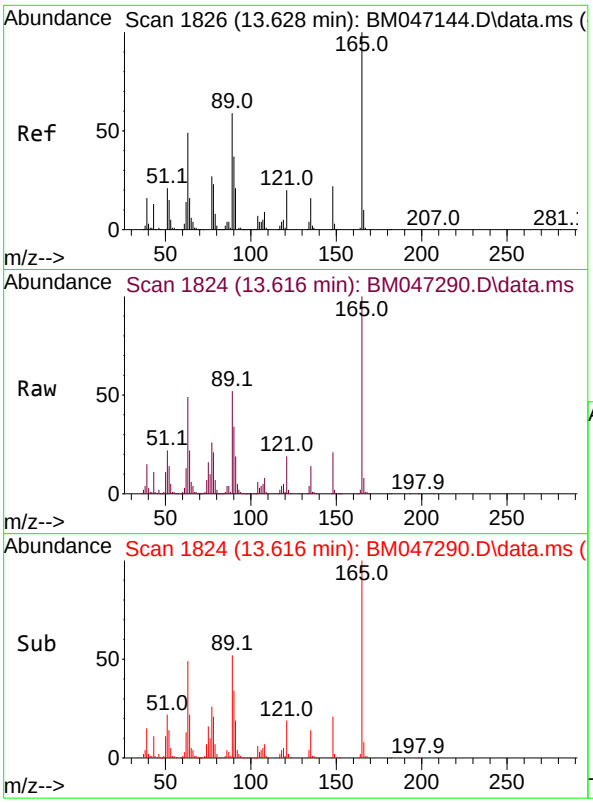


#50
Dimethylphthalate
Concen: 37.889 ng
RT: 13.498 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:163 Resp: 1837014

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.2	8.0	12.0

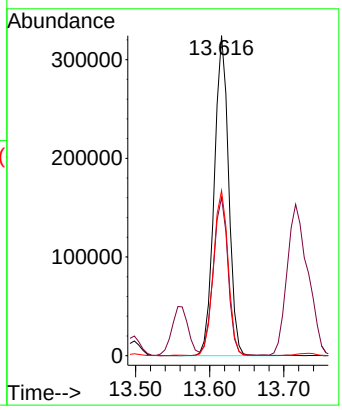




#51
2,6-Dinitrotoluene
Concen: 38.626 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:165 Resp: 43778

Ion	Ratio	Lower	Upper
165	100		
63	49.5	46.5	69.7
89	51.6	47.3	70.9



Instrument :
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ClientSampleId :
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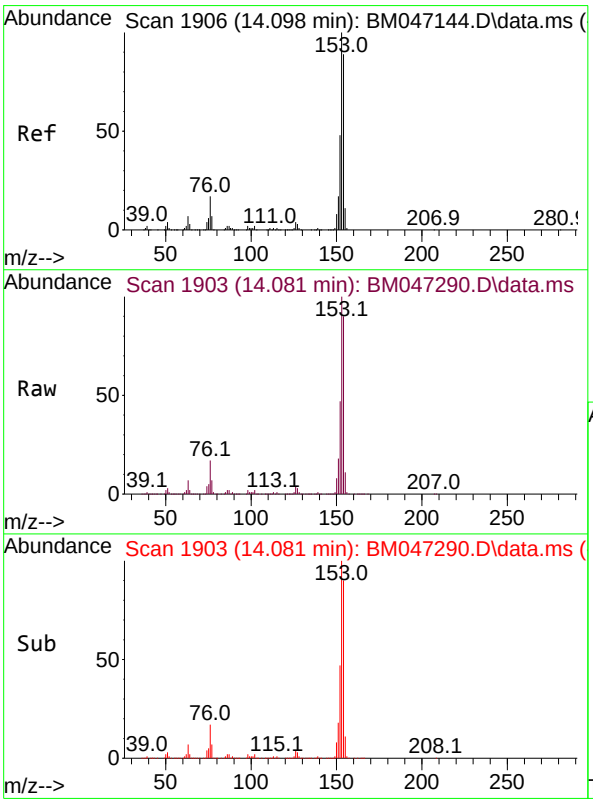
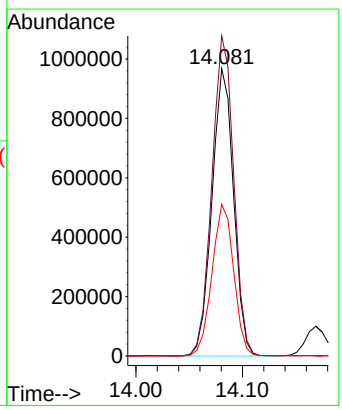
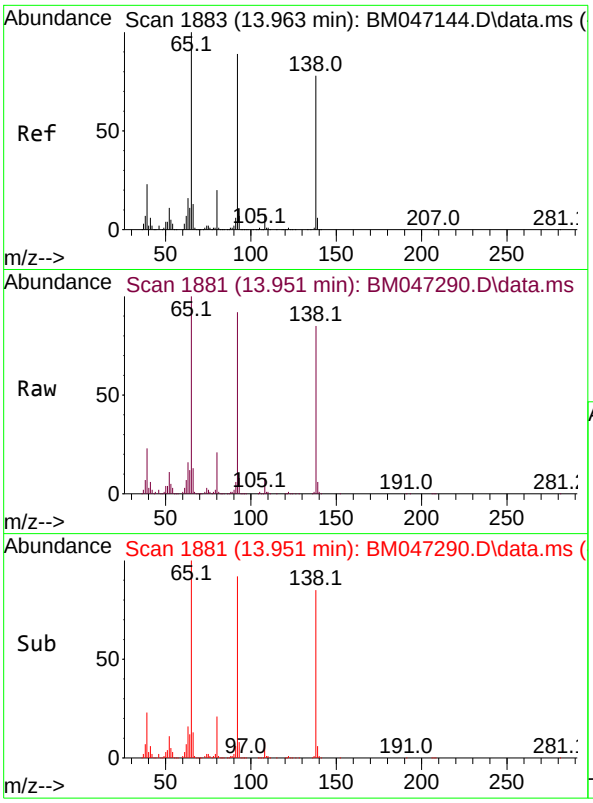


#52
Acenaphthene
Concen: 37.766 ng
RT: 14.081 min Scan# 1903
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:154 Resp: 1364029

Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.3	135.5
152	52.8	42.9	64.3





#53
3-Nitroaniline
Concen: 36.309 ng
RT: 13.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:138 Resp: 41236

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.9	11.9
92	108.2	92.0	138.0

Instrument :
BNA_M
ClientSampleId :
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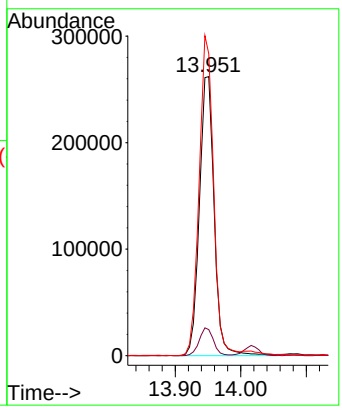
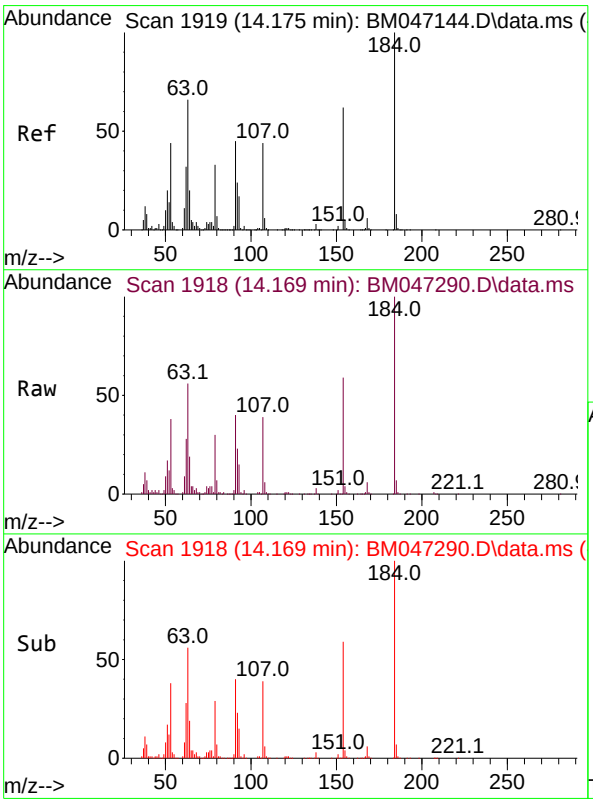
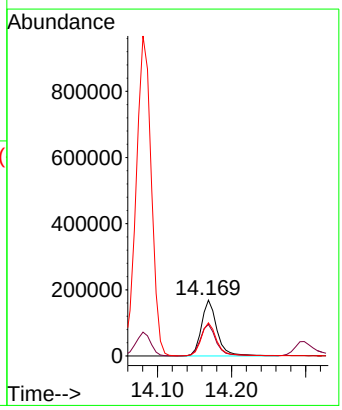


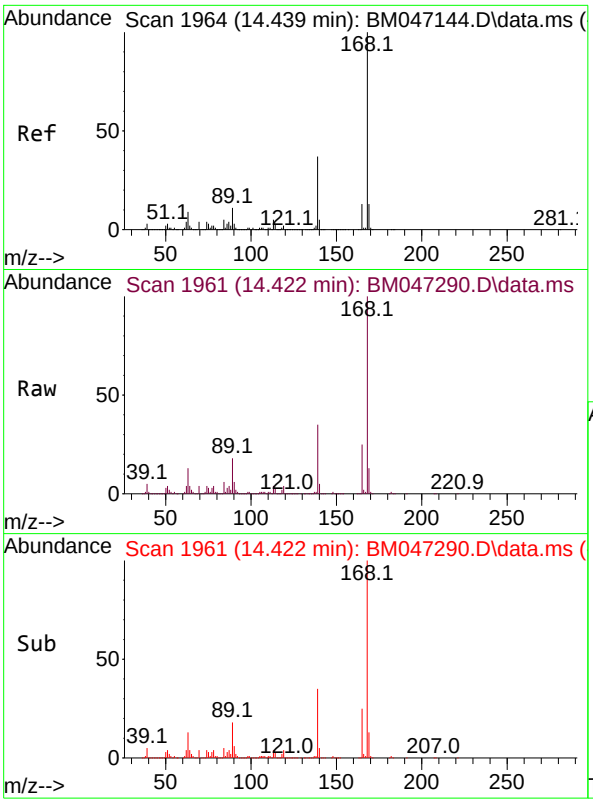


#54
2,4-Dinitrophenol
Concen: 36.132 ng
RT: 14.169 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:184 Resp: 245443

Ion	Ratio	Lower	Upper
184	100		
63	56.5	52.7	79.1
154	59.2	50.4	75.6





#55
Dibenzofuran
Concen: 37.976 ng
RT: 14.422 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:168 Resp: 216656

Ion	Ratio	Lower	Upper
168	100		
139	35.4	29.6	44.4
169	13.5	10.7	16.1

Instrument :
BNA_M
ClientSampleId :
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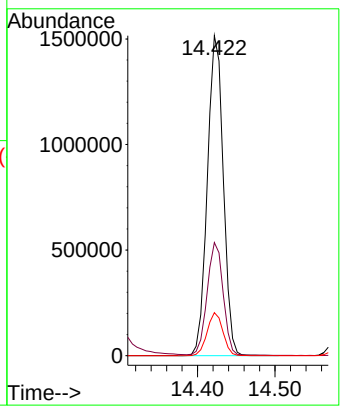
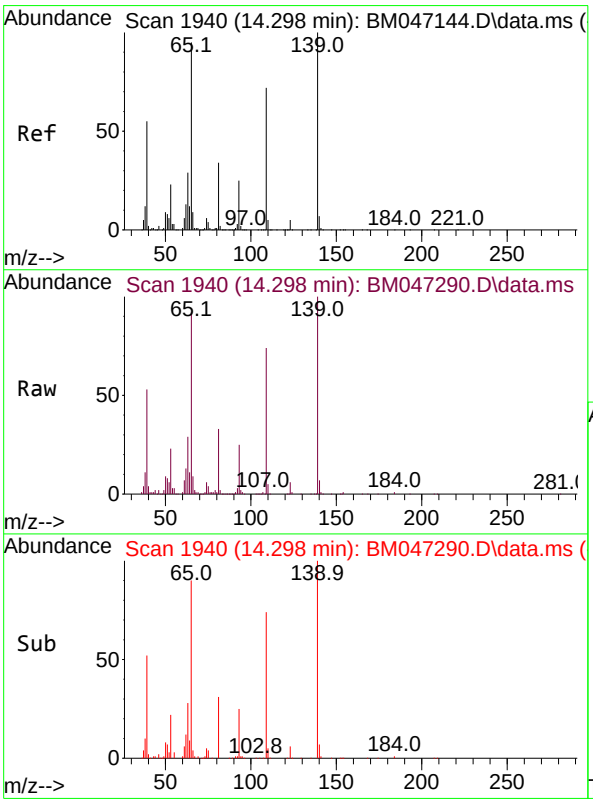
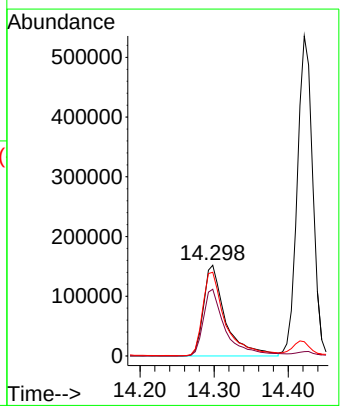


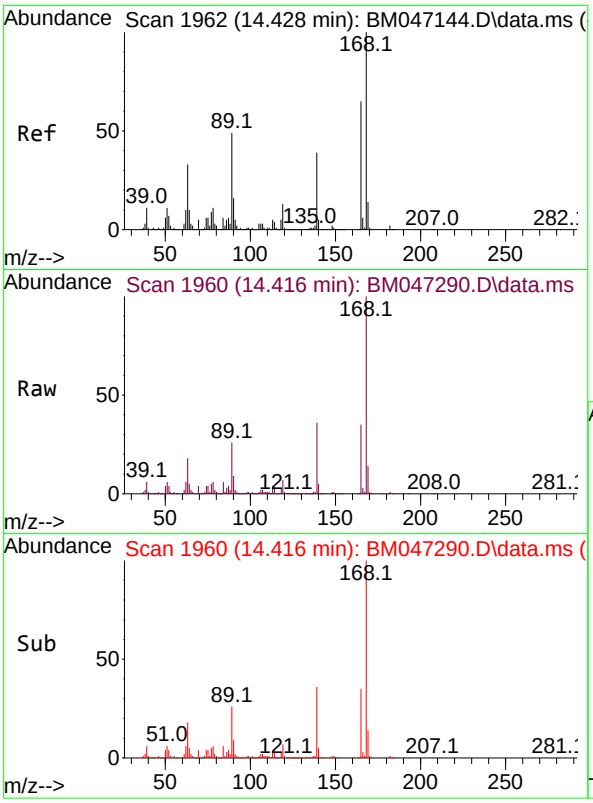


#56
4-Nitrophenol
Concen: 31.992 ng
RT: 14.298 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:139 Resp: 313306

Ion	Ratio	Lower	Upper
139	100		
109	73.6	52.5	92.5
65	92.2	75.4	115.4

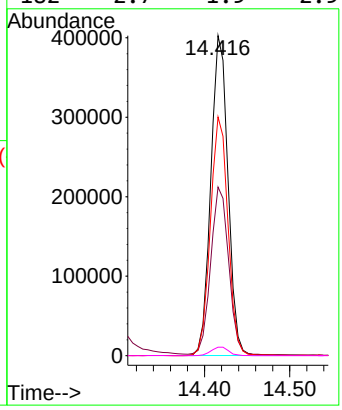




#57
2,4-Dinitrotoluene
Concen: 37.344 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:165 Resp: 56493

Ion	Ratio	Lower	Upper
165	100		
63	52.7	40.3	60.5
89	74.6	61.0	91.6
182	2.7	1.9	2.9



Instrument :
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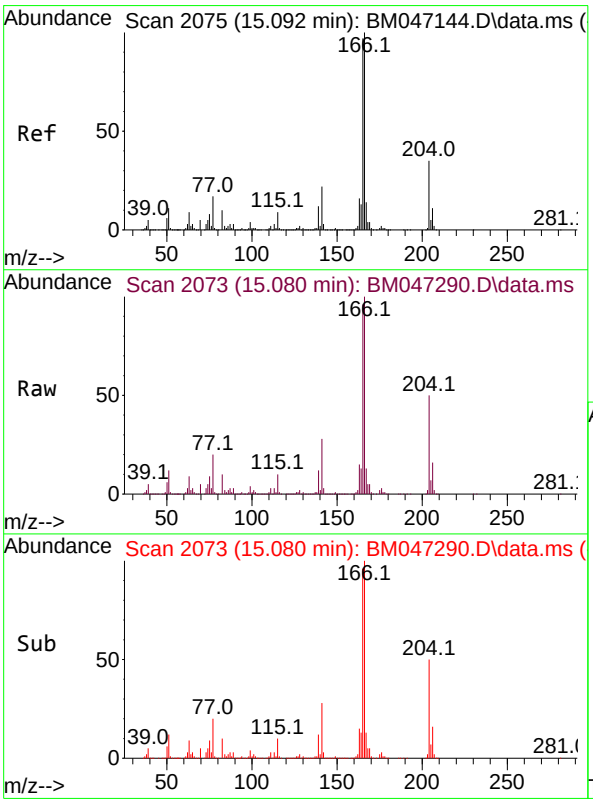
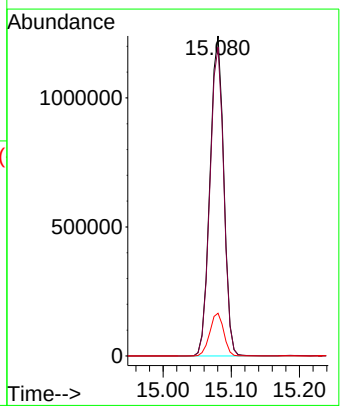
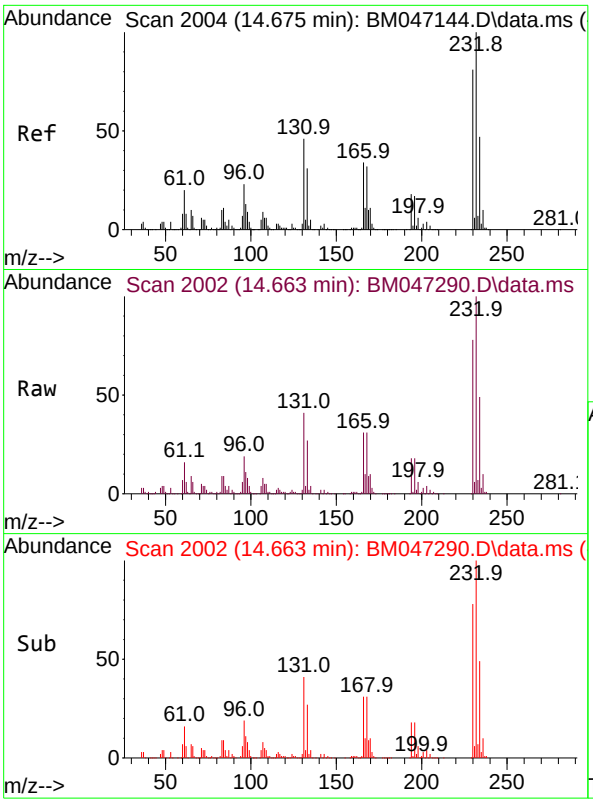


#58
Fluorene
Concen: 37.169 ng
RT: 15.080 min Scan# 2073
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:166 Resp: 1749650

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.4	116.0
167	13.3	11.0	16.6

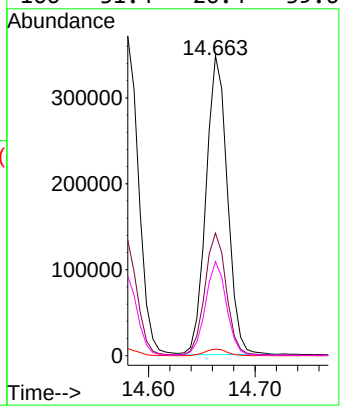




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.478 ng
RT: 14.663 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:232 Resp: 48482

Ion	Ratio	Lower	Upper
232	100		
131	41.6	36.9	55.3
130	2.3	2.0	3.0
166	31.4	26.4	39.6



Instrument :
BNA_M
ClientSampleId :
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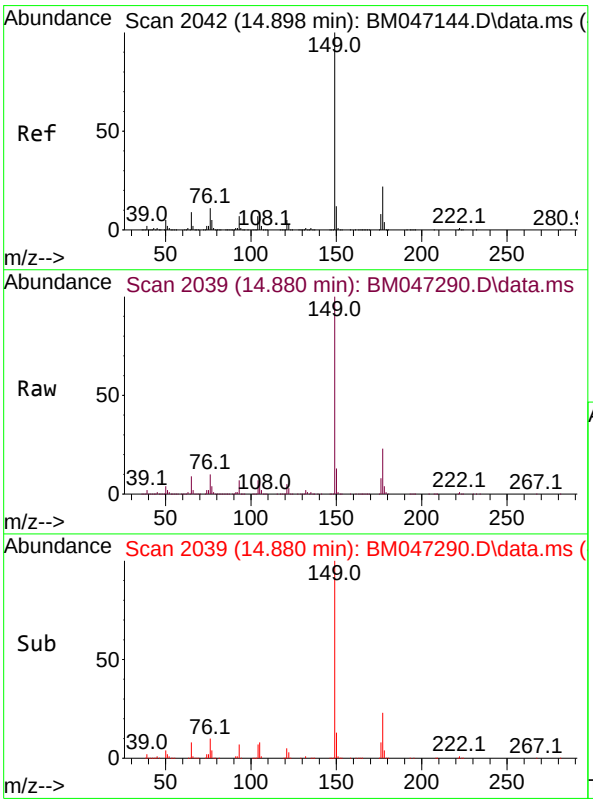
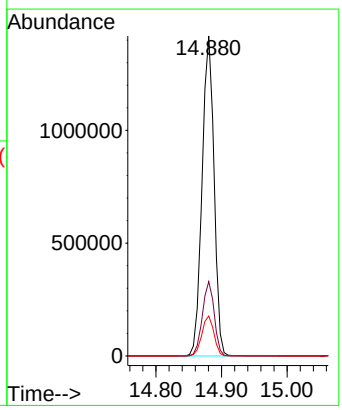
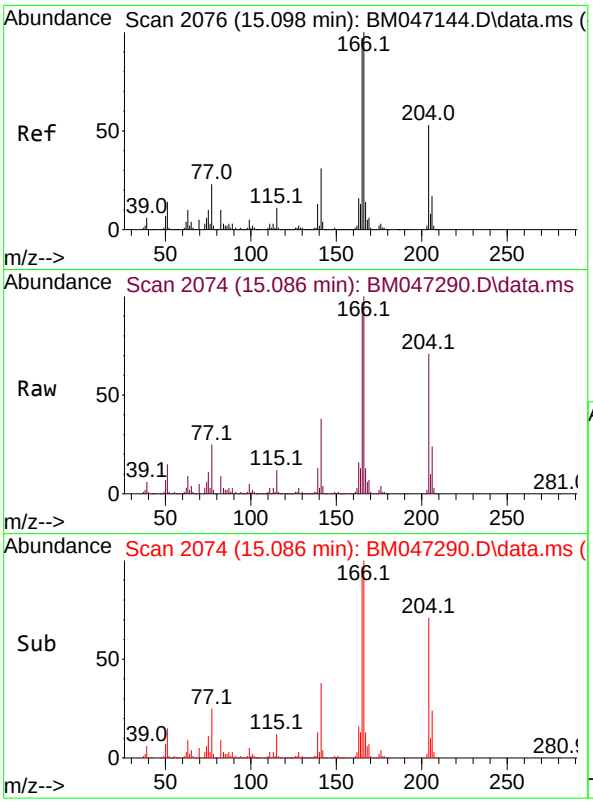


#60
Diethylphthalate
Concen: 36.470 ng
RT: 14.880 min Scan# 2039
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:149 Resp: 1805674

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.6	26.4
150	12.5	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 38.820 ng
RT: 15.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 86996

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.4
141	53.5	47.2	70.8

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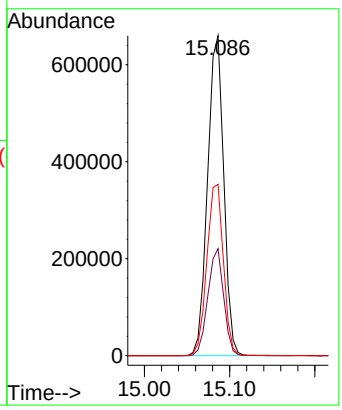
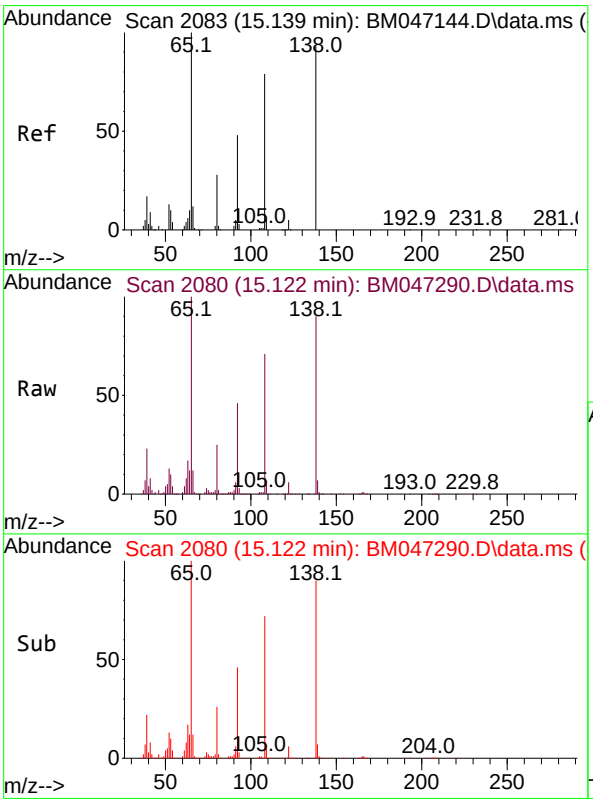
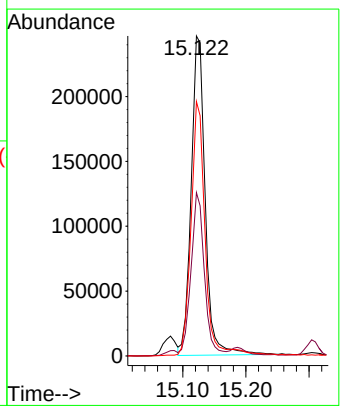


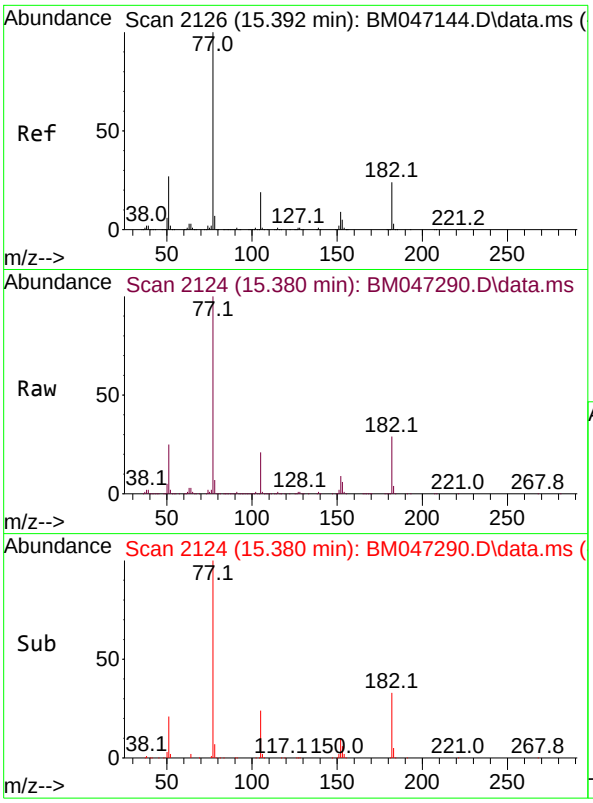


#62
4-Nitroaniline
Concen: 33.972 ng
RT: 15.122 min Scan# 2080
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:138 Resp: 380095

Ion	Ratio	Lower	Upper
138	100		
92	51.0	31.9	71.9
108	79.5	63.8	103.8

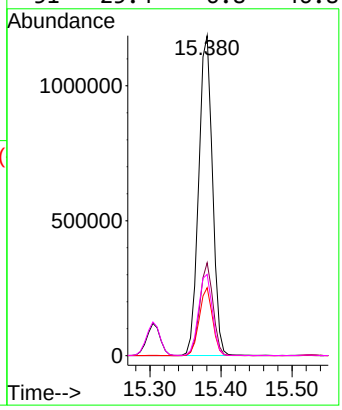




#63
Azobenzene
Concen: 34.145 ng
RT: 15.380 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion: 77 Resp: 160294

Ion	Ratio	Lower	Upper
77	100		
182	29.0	3.8	43.8
105	21.3	0.0	39.5
51	25.4	6.8	46.8



Instrument :
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ClientSampleId :
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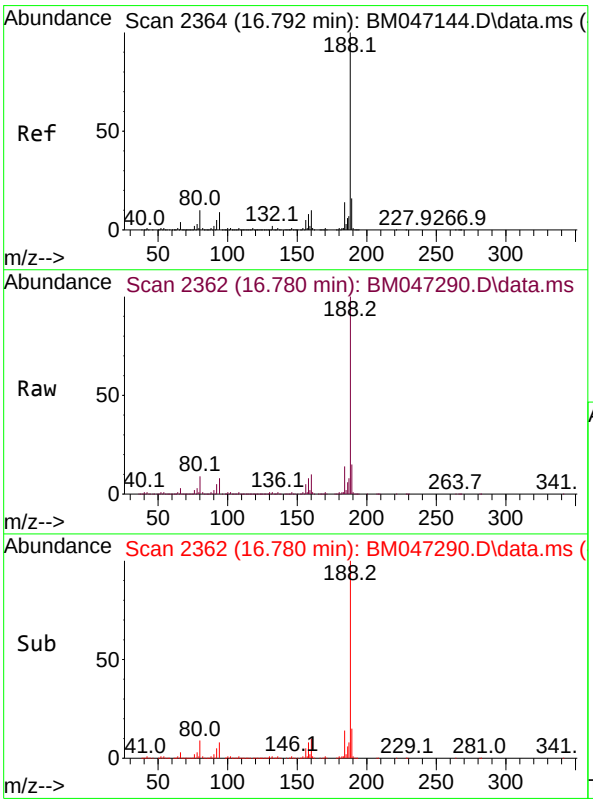
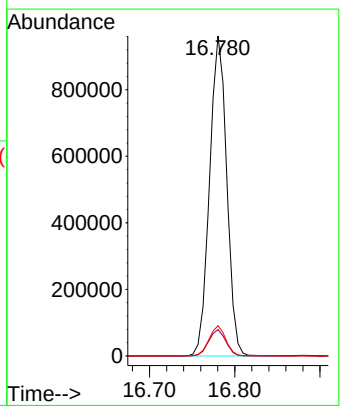
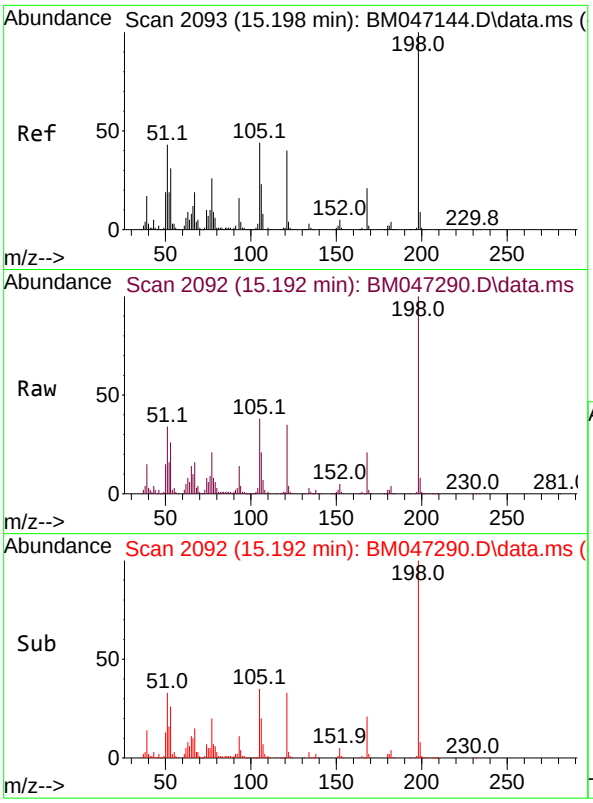


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:188 Resp: 1345647

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.6
80	9.5	8.0	12.0

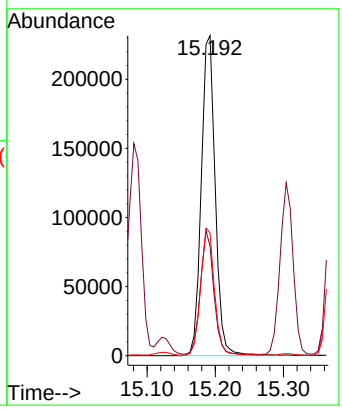




#65
4,6-Dinitro-2-methylphenol
Concen: 41.850 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:198 Resp: 32971

Ion	Ratio	Lower	Upper
198	100		
51	34.3	23.9	63.9
105	38.4	24.3	64.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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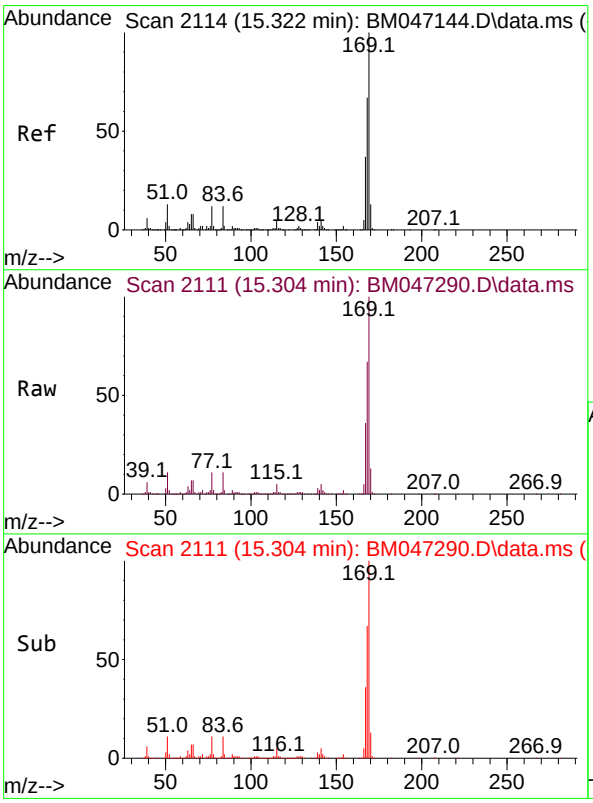
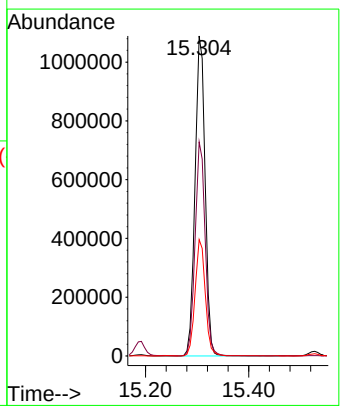
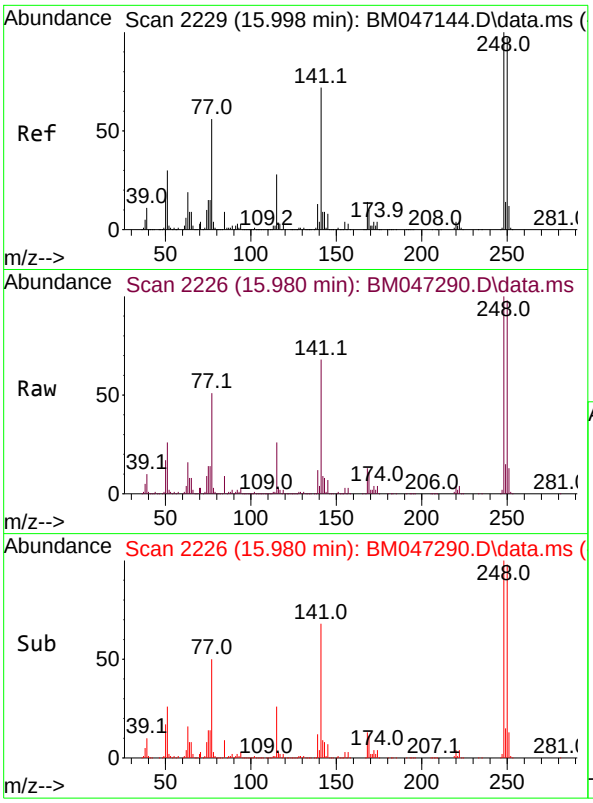


#66
n-Nitrosodiphenylamine
Concen: 40.155 ng
RT: 15.304 min Scan# 2111
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:169 Resp: 1471782

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.8	80.8
167	36.4	29.3	43.9

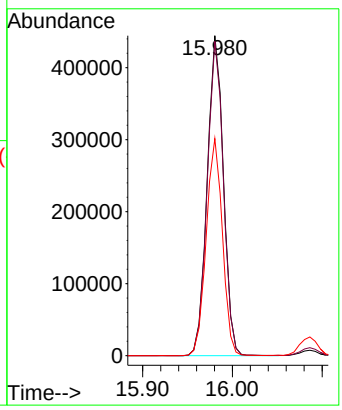




#67
4-Bromophenyl-phenylether
Concen: 43.187 ng
RT: 15.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:248 Resp: 56000

Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.8	116.8
141	67.8	57.7	86.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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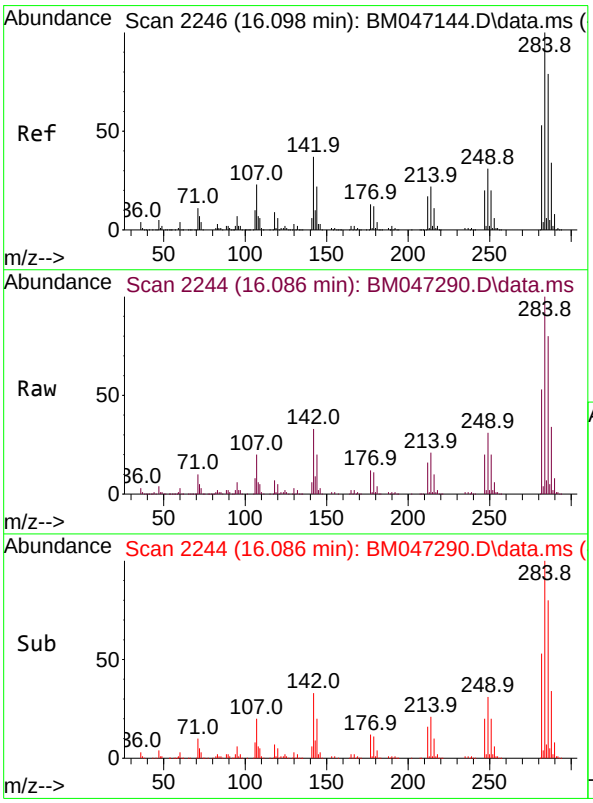
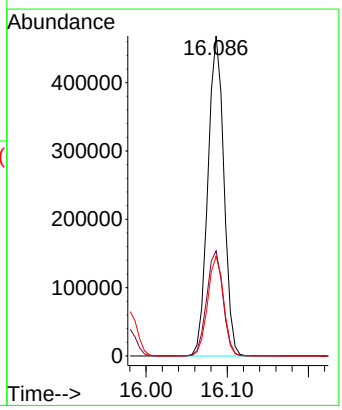
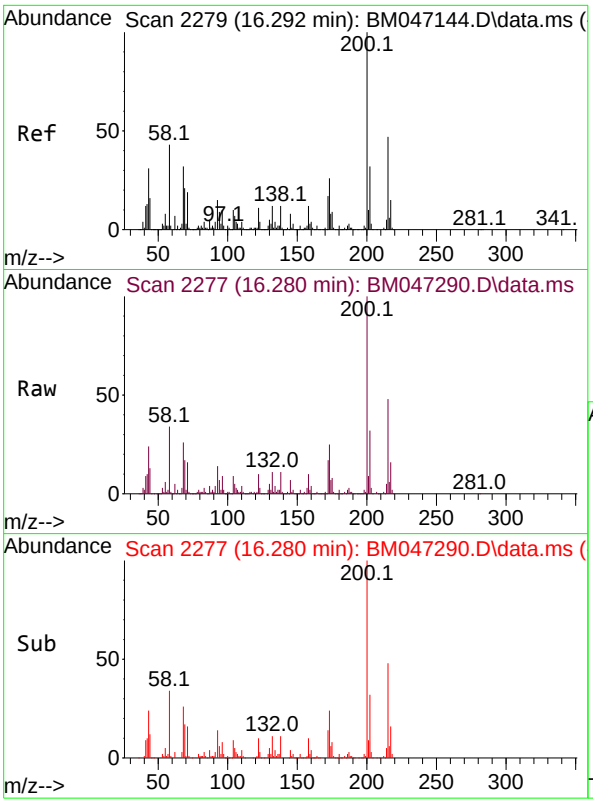


#68
Hexachlorobenzene
Concen: 41.177 ng
RT: 16.086 min Scan# 2244
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:284 Resp: 639474

Ion	Ratio	Lower	Upper
284	100		
142	32.8	29.4	44.0
249	31.2	25.1	37.7

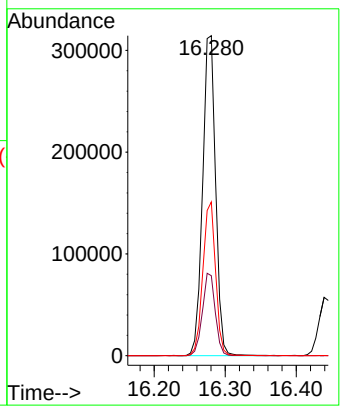




#69
Atrazine
Concen: 36.371 ng
RT: 16.280 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:200 Resp: 40114

Ion	Ratio	Lower	Upper
200	100		
173	25.0	6.1	46.1
215	48.0	26.8	66.8



Instrument :
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ClientSampleId :
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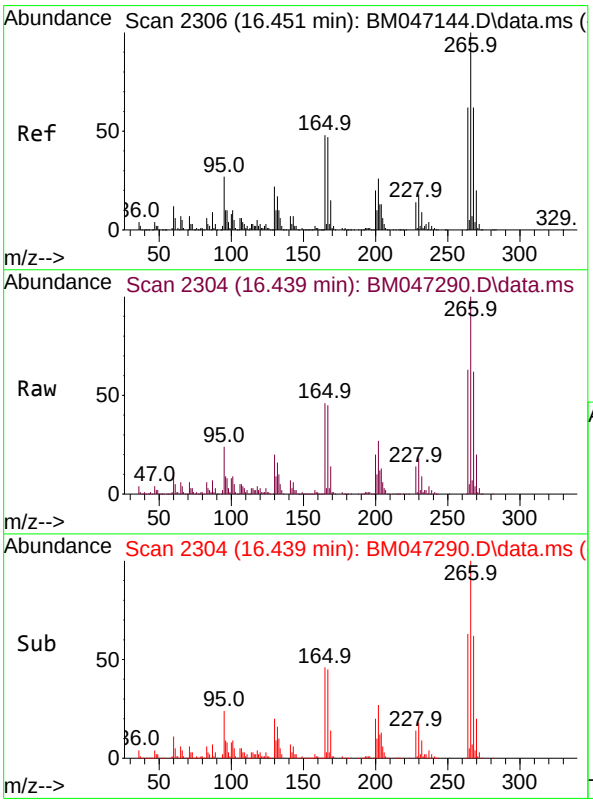
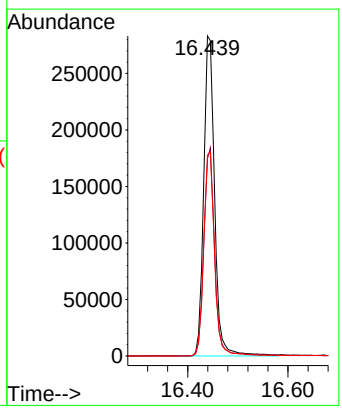
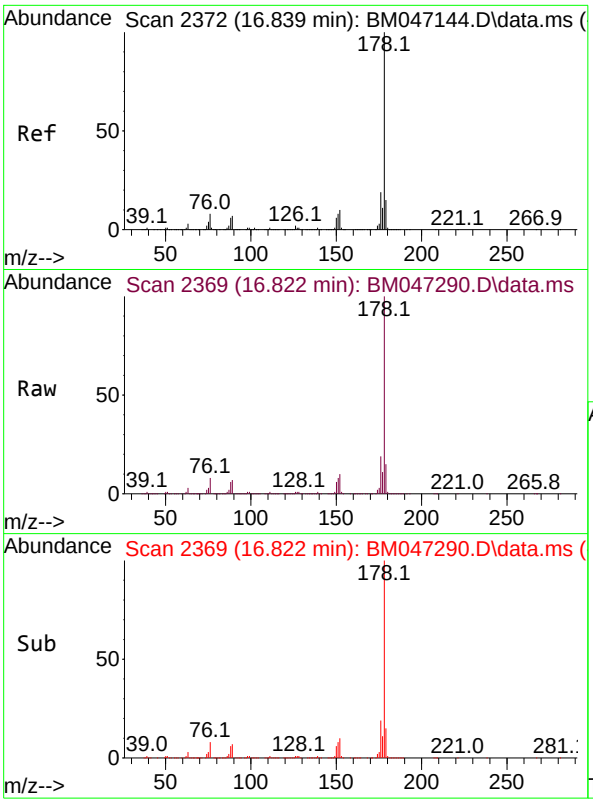


#70
Pentachlorophenol
Concen: 39.443 ng
RT: 16.439 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:266 Resp: 429381

Ion	Ratio	Lower	Upper
266	100		
268	61.6	49.8	74.6
264	62.8	49.6	74.4

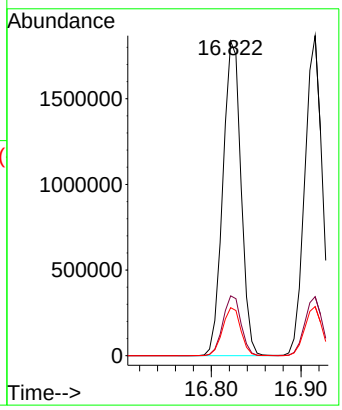




#71
Phenanthrene
Concen: 38.100 ng
RT: 16.822 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:178 Resp: 257302

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.3	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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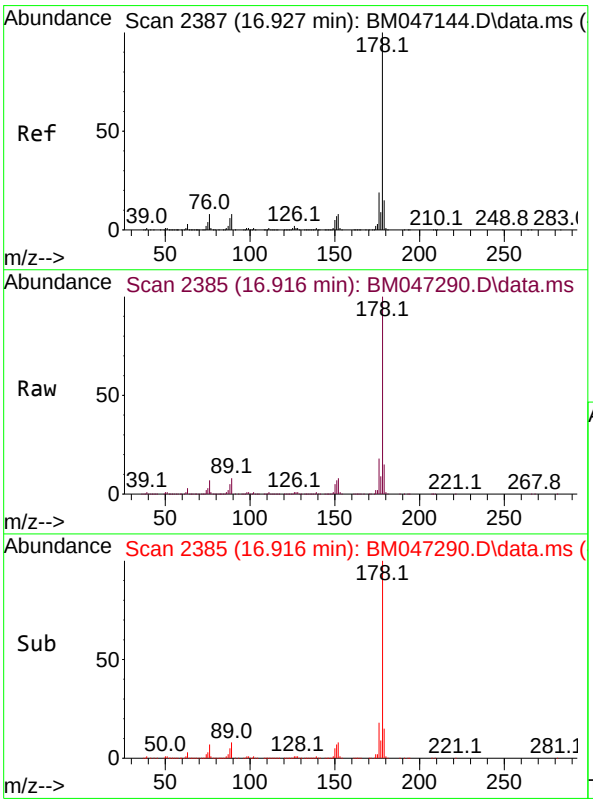
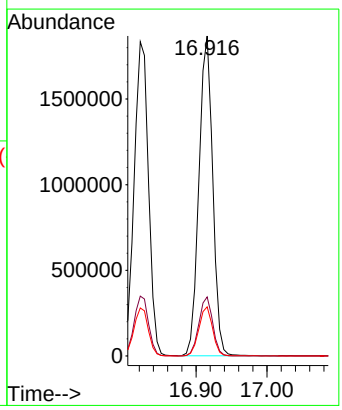
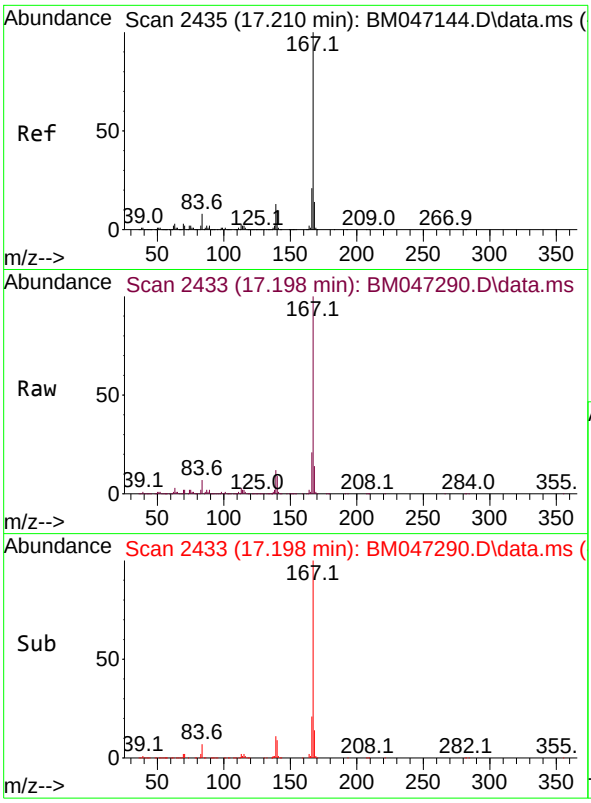


#72
Anthracene
Concen: 38.439 ng
RT: 16.916 min Scan# 2385
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:178 Resp: 2525826

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.4	12.4	18.6

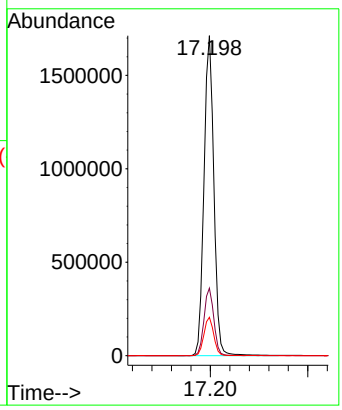




#73
Carbazole
Concen: 35.839 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:167 Resp: 240449

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	12.0	10.0	15.0



Instrument :
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ClientSampleId :
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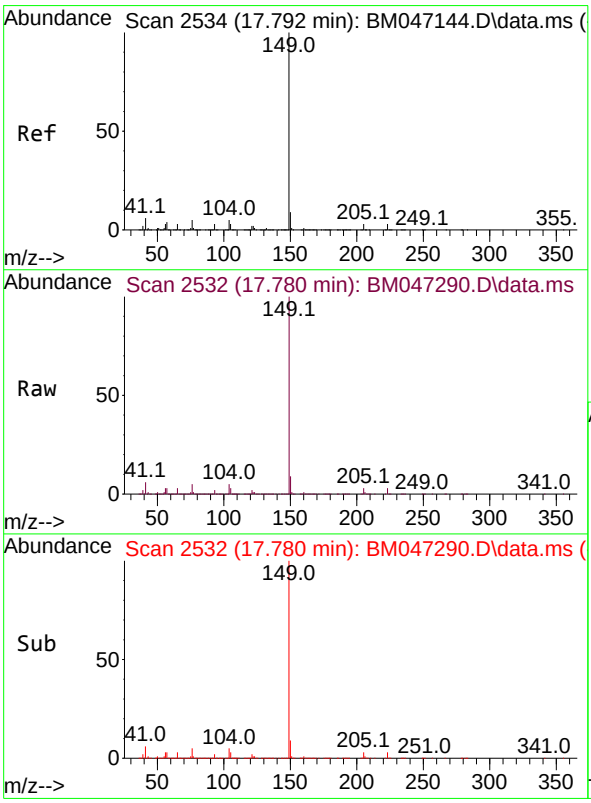
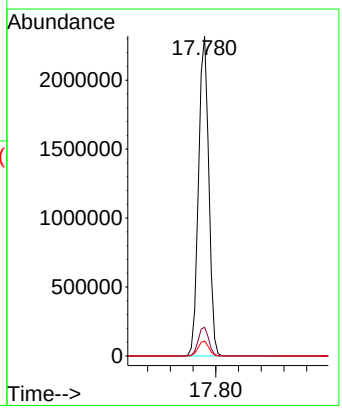
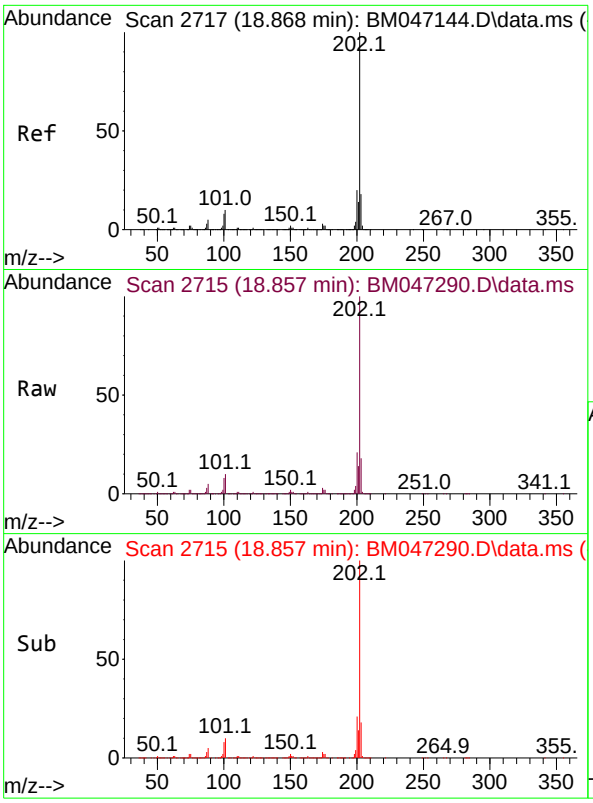


#74
Di-n-butylphthalate
Concen: 37.334 ng
RT: 17.780 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:149 Resp: 2914512

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.7	4.1	6.1

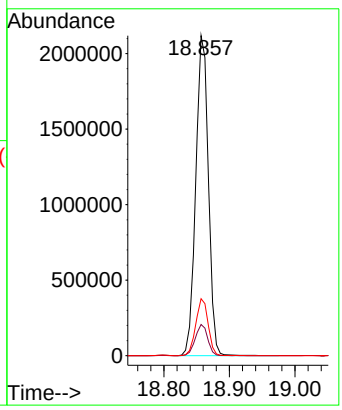




#75
Fluoranthene
Concen: 34.528 ng
RT: 18.857 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:202 Resp: 283618

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
203	17.8	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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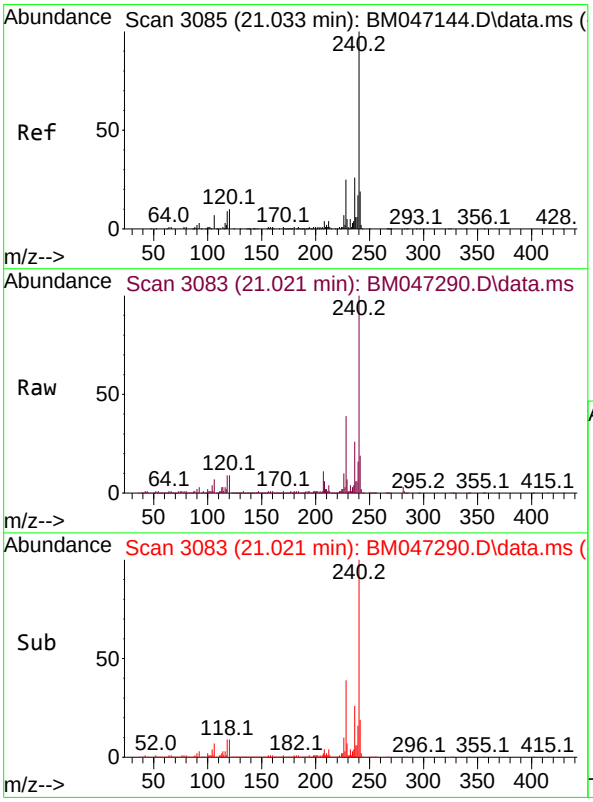
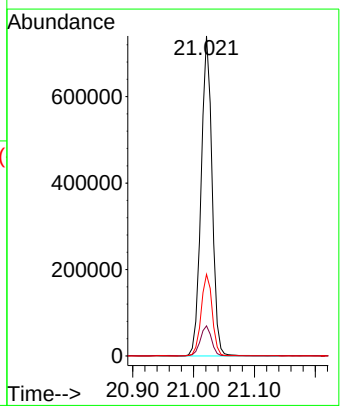
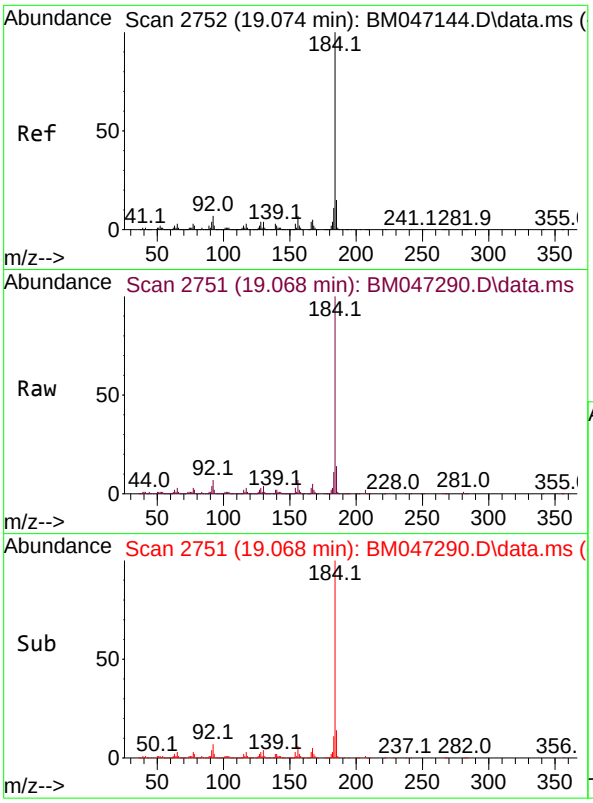


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:240 Resp: 925255

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.5	20.6	30.8





#77
Benzidine
Concen: 60.421 ng
RT: 19.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:184 Resp: 94805

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.8	17.6
183	11.3	9.0	13.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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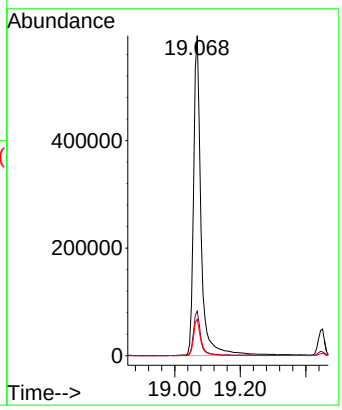
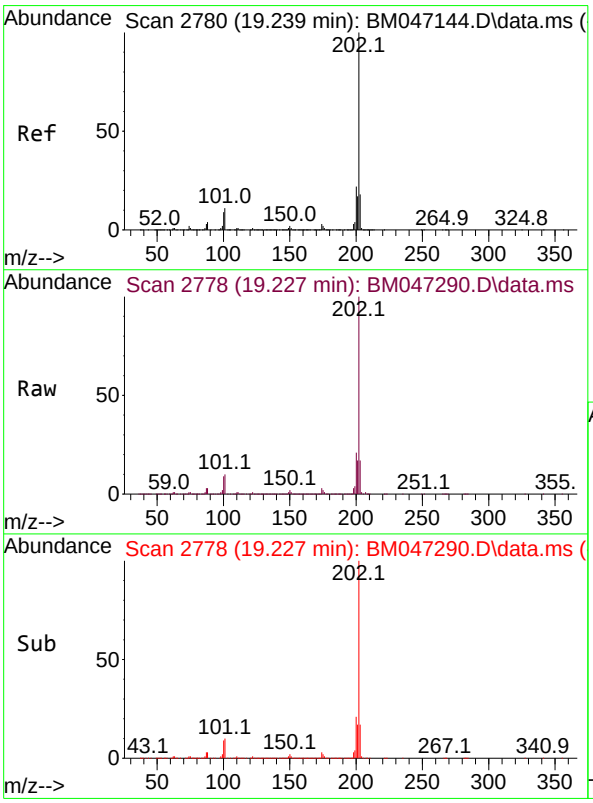
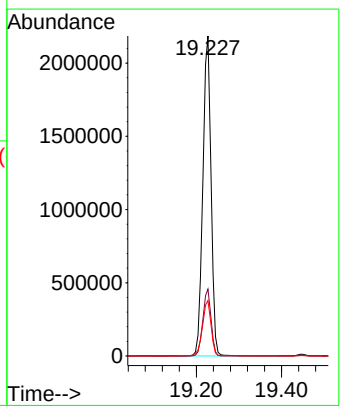


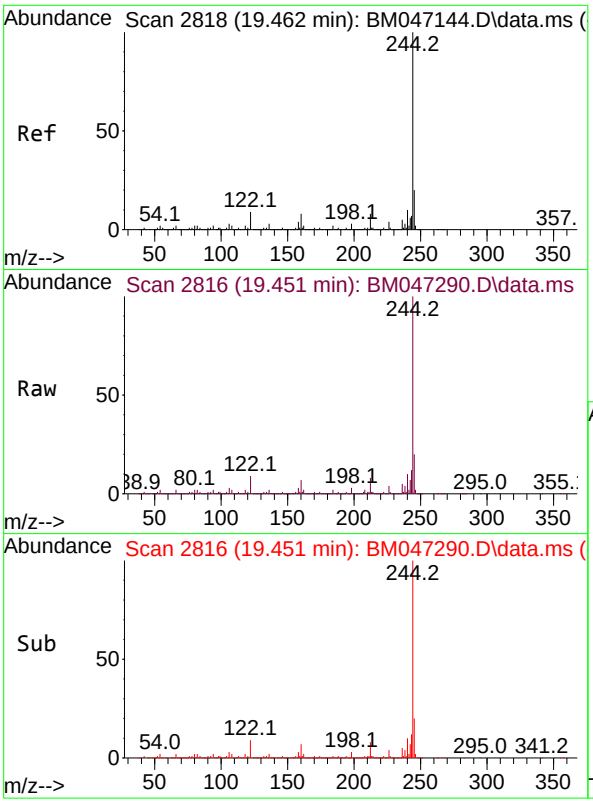


#78
Pyrene
Concen: 44.234 ng
RT: 19.227 min Scan# 2778
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:202 Resp: 2922344

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.3	14.2	21.2

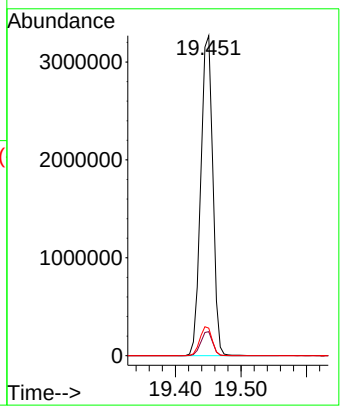




#79
Terphenyl-d14
Concen: 97.087 ng
RT: 19.451 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:244 Resp: 419225

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.4
122	8.6	7.1	10.7



Instrument :
BNA_M
ClientSampleId :
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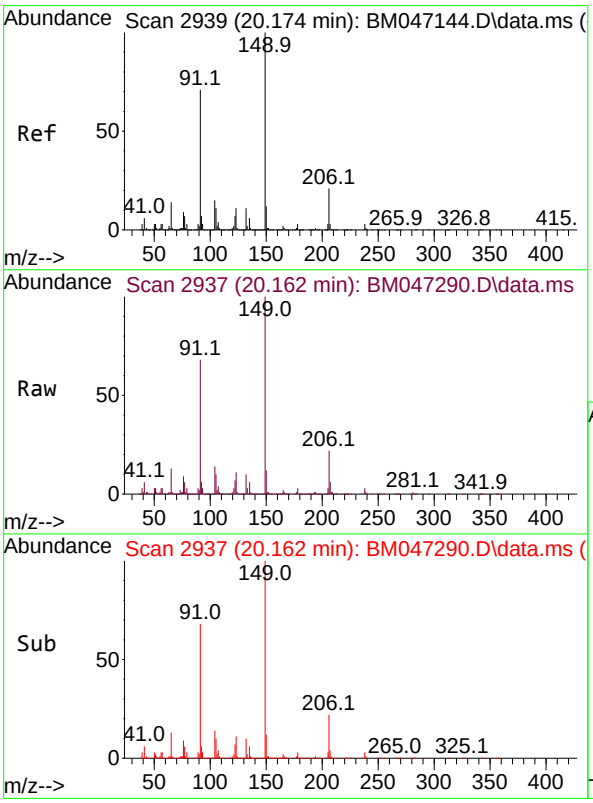
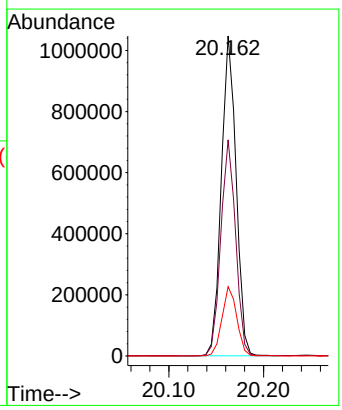
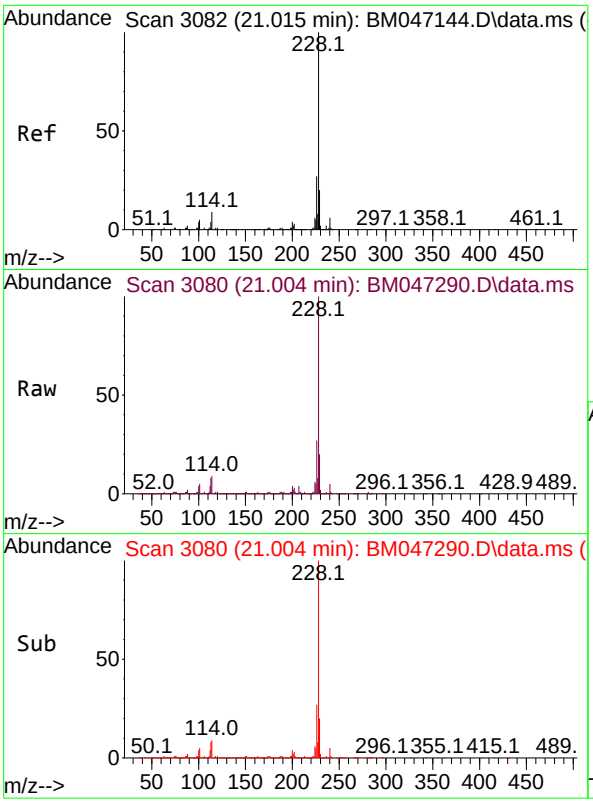


#80
Butylbenzylphthalate
Concen: 42.220 ng
RT: 20.162 min Scan# 2937
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:149 Resp: 1138311

Ion	Ratio	Lower	Upper
149	100		
91	67.6	57.0	85.4
206	21.6	16.4	24.6





#81
Benzo(a)anthracene
Concen: 38.760 ng
RT: 21.004 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:228 Resp: 238081

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.6
229	19.8	15.8	23.8

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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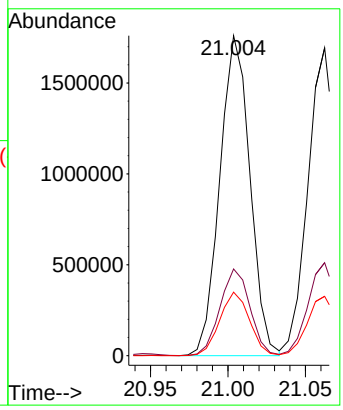
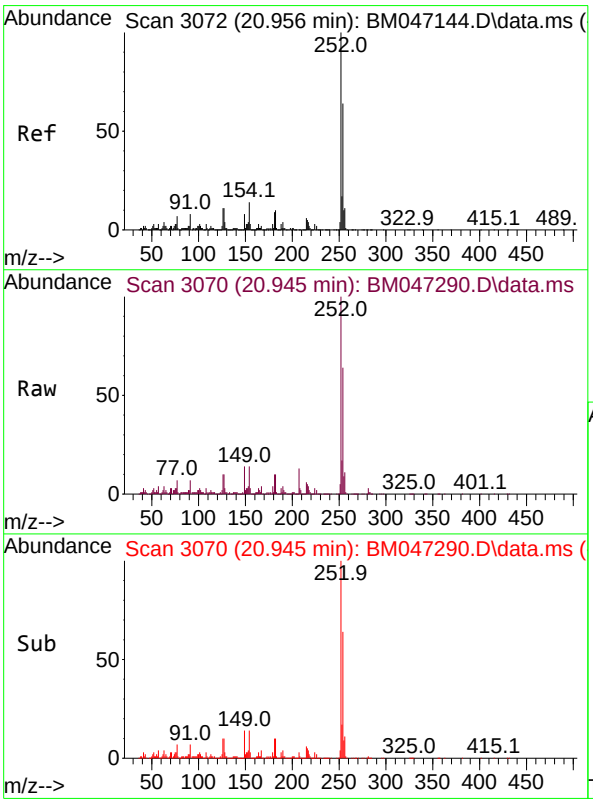
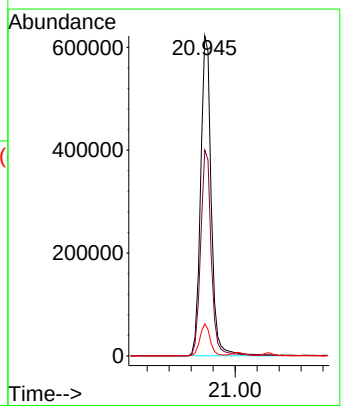


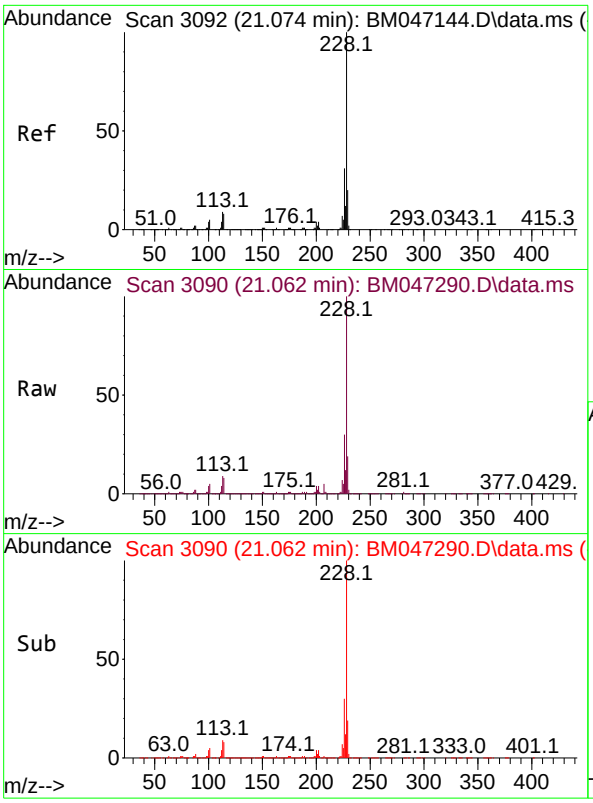


#82
3,3'-Dichlorobenzidine
Concen: 43.449 ng
RT: 20.945 min Scan# 3070
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:252 Resp: 835015

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.0	76.6
126	10.0	8.5	12.7

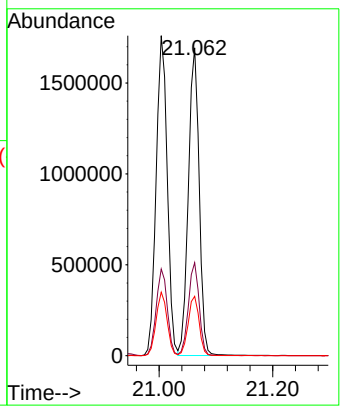




#83
Chrysene
Concen: 38.386 ng
RT: 21.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:228 Resp: 223700

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.3	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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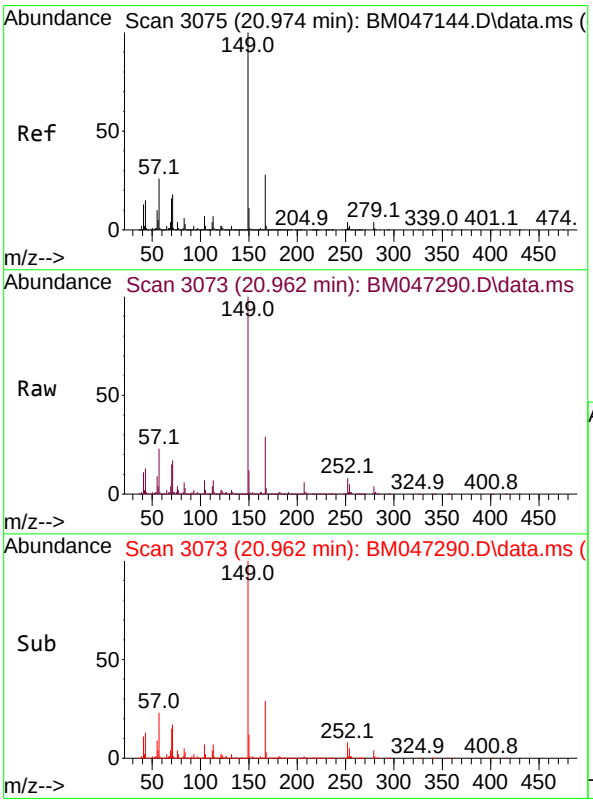
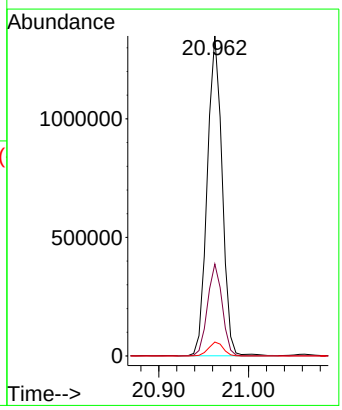
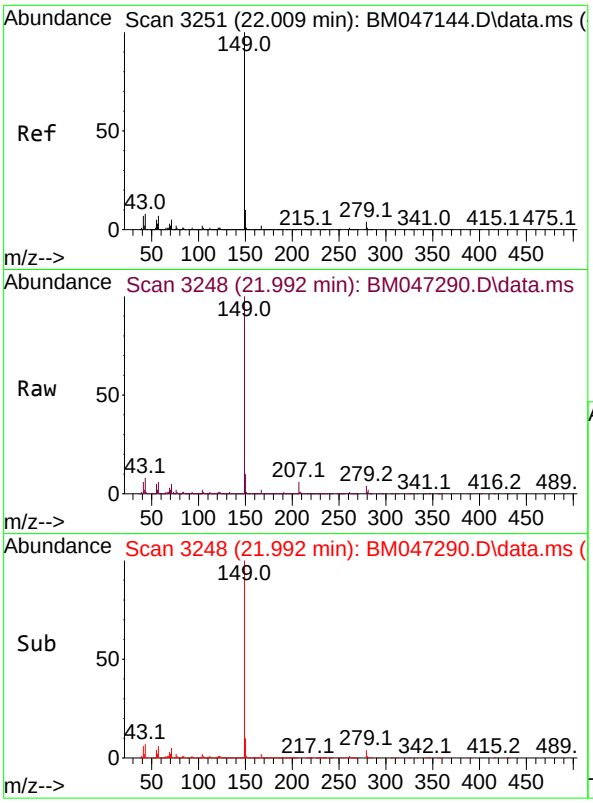


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.568 ng
RT: 20.962 min Scan# 3073
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:149 Resp: 1551149

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.2	33.2
279	4.4	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 39.020 ng
RT: 21.992 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

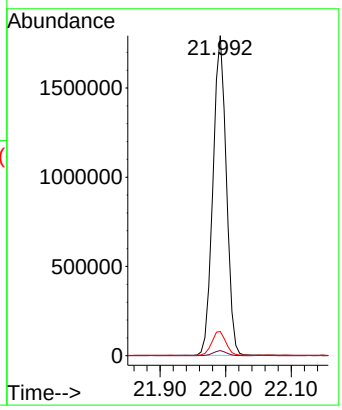
Tgt Ion:149 Resp: 253590

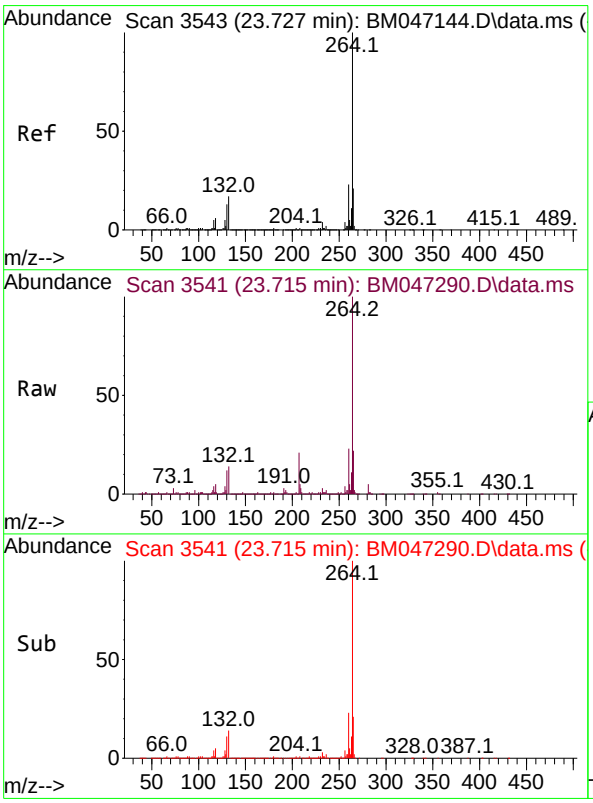
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.9	10.3

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

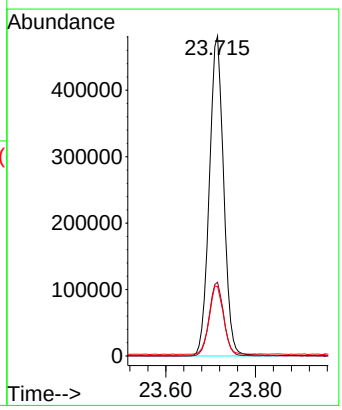


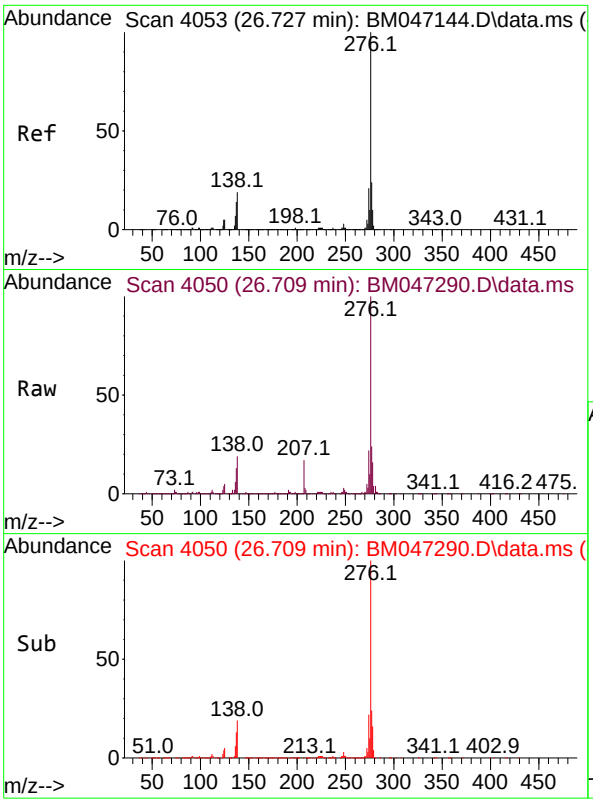


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:264 Resp: 1068512

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.7	17.3	25.9

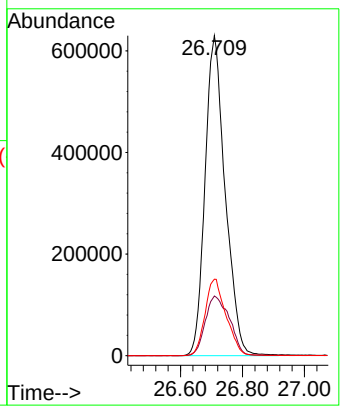




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.227 ng
RT: 26.709 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:276 Resp: 284738

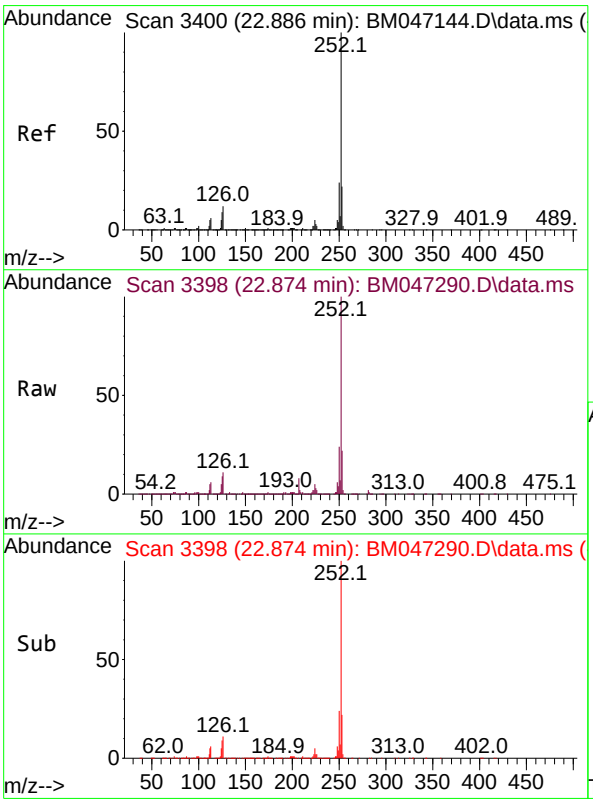
Ion	Ratio	Lower	Upper
276	100		
138	22.5	19.4	29.0
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

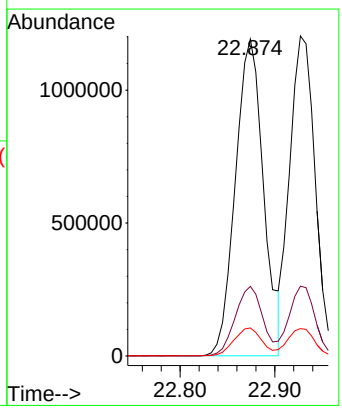
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

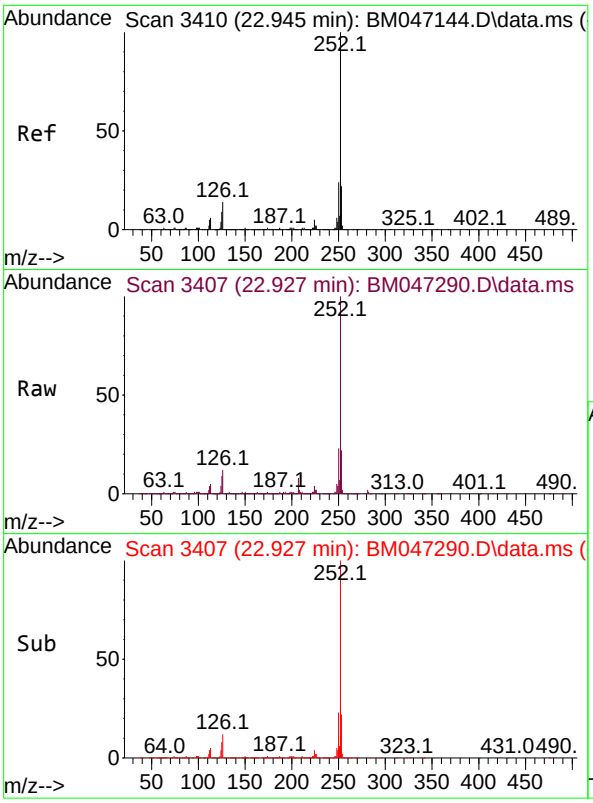


#88
Benzo(b)fluoranthene
Concen: 38.754 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:252 Resp: 2459153

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	8.9	7.4	11.0





#89
Benzo(k)fluoranthene
Concen: 37.716 ng
RT: 22.927 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

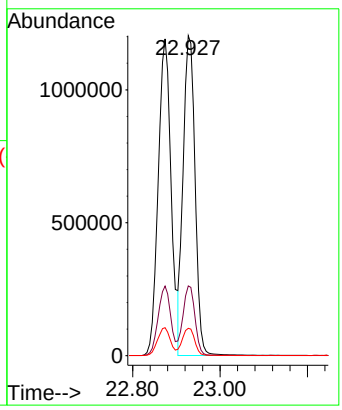
Tgt Ion:252 Resp: 226053

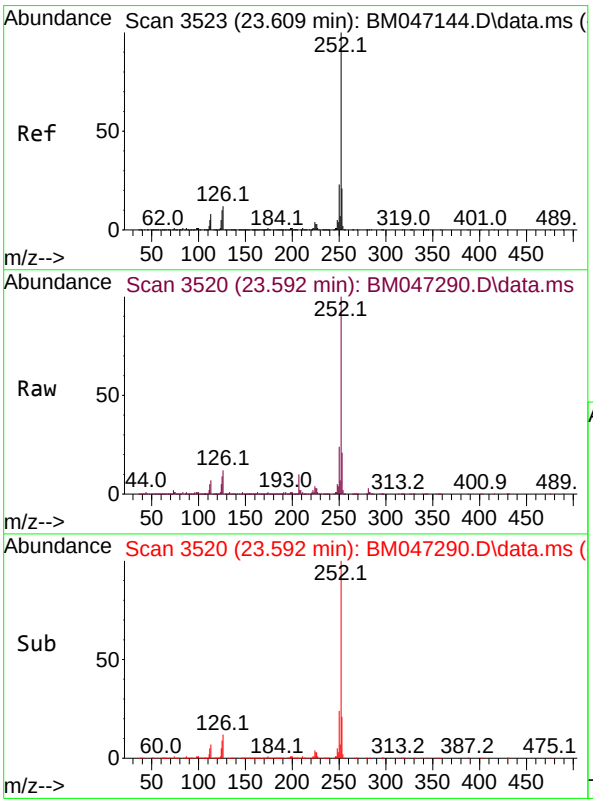
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.6	7.4	11.2

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

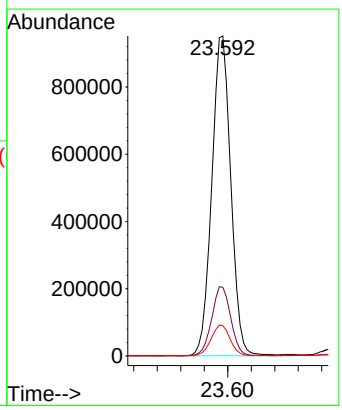


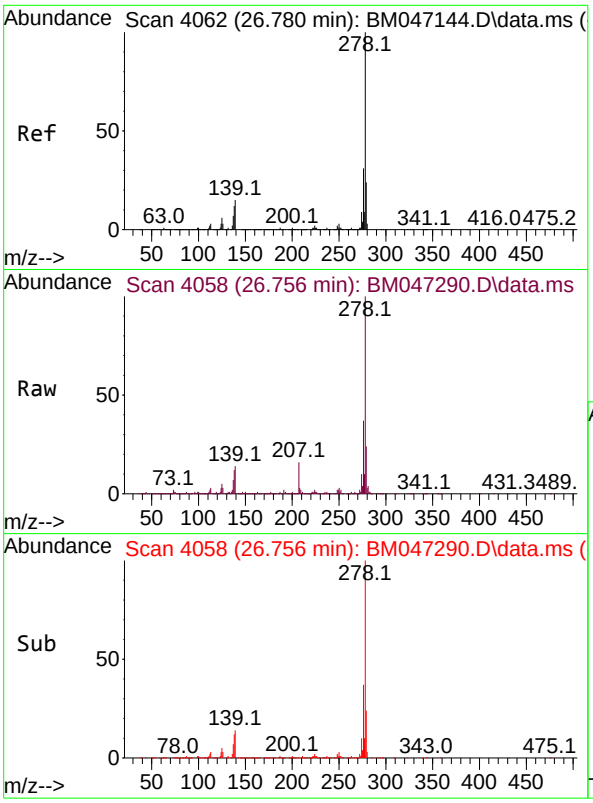


#90
Benzo(a)pyrene
Concen: 38.846 ng
RT: 23.592 min Scan# 3520
Delta R.T. -0.018 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:252 Resp: 2135327

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.5	8.2	12.2

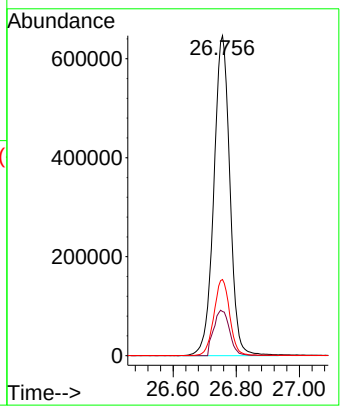




#91
Dibenzo(a,h)anthracene
Concen: 40.850 ng
RT: 26.756 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:278 Resp: 228322

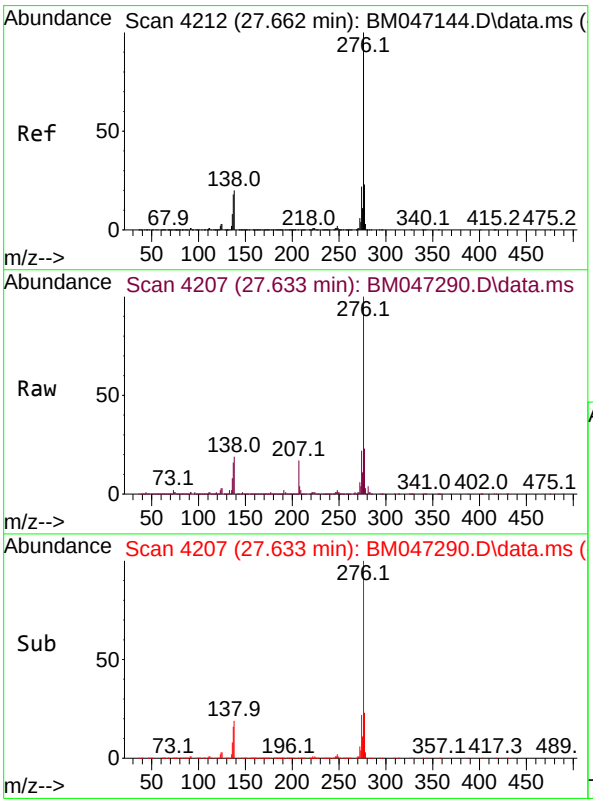
Ion	Ratio	Lower	Upper
278	100		
139	13.8	12.0	18.0
279	23.8	19.2	28.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

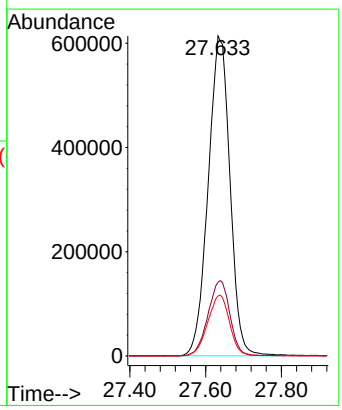
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#92
Benzo(g,h,i)perylene
Concen: 42.206 ng
RT: 27.633 min Scan# 4207
Delta R.T. -0.029 min
Lab File: BM047290.D
Acq: 21 Aug 2024 09:44

Tgt Ion:276 Resp: 2449273

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	18.8	16.2	24.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:11:53 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	82	-0.02
2		1,4-Dioxane	0.464	0.428	7.8	80	0.00
3		Pyridine	1.360	1.146	15.7	72	-0.01
4		n-Nitrosodimethylamine	0.594	0.485	18.4	70	0.00
5	S	2-Fluorophenol	1.119	1.039	7.1	80	-0.01
6		Aniline	1.458	1.273	12.7	73	-0.02
7	S	Phenol-d6	1.542	1.367	11.3	76	-0.02
8		2-Chlorophenol	1.221	1.131	7.4	79	-0.02
9		Benzaldehyde	0.904	0.831	8.1	88	-0.02
10	C	Phenol	1.539	1.344	12.7	76	-0.01
11		bis(2-Chloroethyl)ether	1.318	1.160	12.0	74	-0.02
12		1,3-Dichlorobenzene	1.451	1.408	3.0	82	-0.02
13	C	1,4-Dichlorobenzene	1.469	1.408	4.2	81	-0.02
14		1,2-Dichlorobenzene	1.386	1.314	5.2	82	-0.02
15		Benzyl Alcohol	1.098	0.973	11.4	73	-0.02
16		2,2'-oxybis(1-Chloropropane	1.691	1.414	16.4	70	-0.04
17		2-Methylphenol	1.027	0.938	8.7	77	-0.02
18		Hexachloroethane	0.569	0.535	6.0	80	-0.02
19	P	n-Nitroso-di-n-propylamine	1.039	0.868	16.5	73	-0.02
20		3+4-Methylphenols	1.435	1.282	10.7	75	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	77	-0.02
22		Acetophenone	0.483	0.451	6.6	75	-0.02
23	S	Nitrobenzene-d5	0.397	0.358	9.8	71	-0.02
24		Nitrobenzene	0.400	0.368	8.0	72	-0.02
25		Isophorone	0.692	0.648	6.4	72	-0.02
26	C	2-Nitrophenol	0.177	0.184	-4.0	78	-0.02
27		2,4-Dimethylphenol	0.207	0.204	1.4	75	-0.02
28		bis(2-Chloroethoxy)methane	0.435	0.410	5.7	72	-0.02
29	C	2,4-Dichlorophenol	0.308	0.321	-4.2	79	-0.02
30		1,2,4-Trichlorobenzene	0.348	0.362	-4.0	80	-0.02
31		Naphthalene	0.996	0.951	4.5	76	-0.02
32		Benzoic acid	0.241	0.241	0.0	74	-0.02
33		4-Chloroaniline	0.383	0.352	8.1	70	-0.02
34	C	Hexachlorobutadiene	0.204	0.229	-12.3	87	-0.02
35		Caprolactam	0.107	0.097	9.3	68	-0.02
36	C	4-Chloro-3-methylphenol	0.328	0.311	5.2	73	-0.01
37		2-Methylnaphthalene	0.709	0.678	4.4	76	-0.02
38		1-Methylnaphthalene	0.701	0.664	5.3	75	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	76	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.546	0.591	-8.2	83	-0.02
41	P	Hexachlorocyclopentadiene	0.190	0.190	0.0	72	-0.02
42	S	2,4,6-Tribromophenol	0.232	0.228	1.7	75	-0.01
43	C	2,4,6-Trichlorophenol	0.388	0.402	-3.6	76	-0.02
44		2,4,5-Trichlorophenol	0.430	0.441	-2.6	76	-0.01
45	S	2-Fluorobiphenyl	1.297	1.276	1.6	77	-0.02
46		1,1'-Biphenyl	1.424	1.365	4.1	75	-0.02
47		2-Chloronaphthalene	1.113	1.067	4.1	76	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:11:53 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	0.312	10.6	66	-0.02
49		Acenaphthylene	1.640	1.554	5.2	74	-0.02
50		Dimethylphthalate	1.397	1.323	5.3	73	-0.02
51		2,6-Dinitrotoluene	0.327	0.315	3.7	73	-0.01
52	C	Acenaphthene	1.041	0.982	5.7	74	-0.02
53		3-Nitroaniline	0.327	0.297	9.2	68	-0.01
54	P	2,4-Dinitrophenol	0.196	0.177	9.7	66	0.00
55		Dibenzofuran	1.644	1.560	5.1	75	-0.02
56	P	4-Nitrophenol	0.282	0.226	19.9	58	0.00
57		2,4-Dinitrotoluene	0.436	0.407	6.7	70	-0.01
58		Fluorene	1.356	1.260	7.1	73	-0.01
59		2,3,4,6-Tetrachlorophenol	0.354	0.349	1.4	75	-0.01
60		Diethylphthalate	1.426	1.301	8.8	71	-0.02
61		4-Chlorophenyl-phenylether	0.646	0.627	2.9	77	-0.01
62		4-Nitroaniline	0.322	0.274	14.9	65	-0.02
63		Azobenzene	1.352	1.155	14.6	67	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	71	-0.01
65		4,6-Dinitro-2-methylphenol	0.117	0.123	-5.1	69	0.00
66	c	n-Nitrosodiphenylamine	0.545	0.547	-0.4	72	-0.02
67		4-Bromophenyl-phenylether	0.193	0.208	-7.8	77	-0.02
68		Hexachlorobenzene	0.231	0.238	-3.0	73	-0.01
69		Atrazine	0.164	0.149	9.1	62	-0.01
70	C	Pentachlorophenol	0.162	0.160	1.2	67	-0.01
71		Phenanthrene	1.004	0.956	4.8	69	-0.02
72		Anthracene	0.977	0.939	3.9	70	-0.01
73		Carbazole	0.997	0.893	10.4	65	-0.01
74		Di-n-butylphthalate	1.160	1.083	6.6	66	-0.01
75	C	Fluoranthene	1.221	1.054	13.7	62	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	55	-0.01
77		Benzidine	0.339	0.512	-51.0#	58	0.00
78		Pyrene	1.428	1.579	-10.6	61	-0.01
79	S	Terphenyl-d14	0.933	1.133	-21.4	67	-0.01
80		Butylbenzylphthalate	0.583	0.615	-5.5	56	-0.01
81		Benzo(a)anthracene	1.328	1.287	3.1	55	-0.01
82		3,3'-Dichlorobenzidine	0.415	0.451	-8.7	56	-0.01
83		Chrysene	1.260	1.209	4.0	55	-0.01
84		Bis(2-ethylhexyl)phthalate	0.826	0.838	-1.5	55	-0.01
85	c	Di-n-octyl phthalate	1.405	1.370	2.5	52	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	53	-0.01
87		Indeno(1,2,3-cd)pyrene	1.293	1.332	-3.0	55	-0.02
88		Benzo(b)fluoranthene	1.188	1.151	3.1	52	-0.01
89		Benzo(k)fluoranthene	1.122	1.058	5.7	51	-0.02
90	C	Benzo(a)pyrene	1.029	0.999	2.9	52	-0.02
91		Dibenzo(a,h)anthracene	1.046	1.068	-2.1	55	-0.02
92		Benzo(g,h,i)perylene	1.086	1.146	-5.5	56	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:11:53 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
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Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:11:53 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	82	-0.02
2		1,4-Dioxane	40.000	36.881	7.8	80	0.00
3		Pyridine	40.000	33.697	15.8	72	-0.01
4		n-Nitrosodimethylamine	40.000	32.678	18.3	70	0.00
5	S	2-Fluorophenol	80.000	74.234	7.2	80	-0.01
6		Aniline	40.000	34.923	12.7	73	-0.02
7	S	Phenol-d6	80.000	70.913	11.4	76	-0.02
8		2-Chlorophenol	40.000	37.069	7.3	79	-0.02
9		Benzaldehyde	40.000	41.897	-4.7	88	-0.02
10	C	Phenol	40.000	34.932	12.7	76	-0.01
11		bis(2-Chloroethyl)ether	40.000	35.217	12.0	74	-0.02
12		1,3-Dichlorobenzene	40.000	38.830	2.9	82	-0.02
13	C	1,4-Dichlorobenzene	40.000	38.347	4.1	81	-0.02
14		1,2-Dichlorobenzene	40.000	37.937	5.2	82	-0.02
15		Benzyl Alcohol	40.000	35.452	11.4	73	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	33.444	16.4	70	-0.04
17		2-Methylphenol	40.000	36.542	8.6	77	-0.02
18		Hexachloroethane	40.000	37.604	6.0	80	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	33.410	16.5	73	-0.02
20		3+4-Methylphenols	40.000	35.726	10.7	75	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	77	-0.02
22		Acetophenone	40.000	37.360	6.6	75	-0.02
23	S	Nitrobenzene-d5	80.000	72.111	9.9	71	-0.02
24		Nitrobenzene	40.000	36.804	8.0	72	-0.02
25		Isophorone	40.000	37.499	6.3	72	-0.02
26	C	2-Nitrophenol	40.000	41.489	-3.7	78	-0.02
27		2,4-Dimethylphenol	40.000	39.401	1.5	75	-0.02
28		bis(2-Chloroethoxy)methane	40.000	37.647	5.9	72	-0.02
29	C	2,4-Dichlorophenol	40.000	41.666	-4.2	79	-0.02
30		1,2,4-Trichlorobenzene	40.000	41.547	-3.9	80	-0.02
31		Naphthalene	40.000	38.199	4.5	76	-0.02
32		Benzoic acid	40.000	39.926	0.2	74	-0.02
33		4-Chloroaniline	40.000	36.739	8.2	70	-0.02
34	C	Hexachlorobutadiene	40.000	44.912	-12.3	87	-0.02
35		Caprolactam	40.000	36.147	9.6	68	-0.02
36	C	4-Chloro-3-methylphenol	40.000	37.944	5.1	73	-0.01
37		2-Methylnaphthalene	40.000	38.227	4.4	76	-0.02
38		1-Methylnaphthalene	40.000	37.886	5.3	75	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	76	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	43.362	-8.4	83	-0.02
41	P	Hexachlorocyclopentadiene	40.000	39.925	0.2	72	-0.02
42	S	2,4,6-Tribromophenol	80.000	78.689	1.6	75	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.511	-3.8	76	-0.02
44		2,4,5-Trichlorophenol	40.000	40.946	-2.4	76	-0.01
45	S	2-Fluorobiphenyl	80.000	78.711	1.6	77	-0.02
46		1,1'-Biphenyl	40.000	38.335	4.2	75	-0.02
47		2-Chloronaphthalene	40.000	38.345	4.1	76	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:11:53 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	35.814	10.5	66	-0.02
49		Acenaphthylene	40.000	37.902	5.2	74	-0.02
50		Dimethylphthalate	40.000	37.889	5.3	73	-0.02
51		2,6-Dinitrotoluene	40.000	38.626	3.4	73	-0.01
52	C	Acenaphthene	40.000	37.766	5.6	74	-0.02
53		3-Nitroaniline	40.000	36.309	9.2	68	-0.01
54	P	2,4-Dinitrophenol	40.000	36.132	9.7	66	0.00
55		Dibenzofuran	40.000	37.976	5.1	75	-0.02
56	P	4-Nitrophenol	40.000	31.992	20.0	58	0.00
57		2,4-Dinitrotoluene	40.000	37.344	6.6	70	-0.01
58		Fluorene	40.000	37.169	7.1	73	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	39.478	1.3	75	-0.01
60		Diethylphthalate	40.000	36.470	8.8	71	-0.02
61		4-Chlorophenyl-phenylether	40.000	38.820	2.9	77	-0.01
62		4-Nitroaniline	40.000	33.972	15.1	65	-0.02
63		Azobenzene	40.000	34.145	14.6	67	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	71	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	41.850	-4.6	69	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.155	-0.4	72	-0.02
67		4-Bromophenyl-phenylether	40.000	43.187	-8.0	77	-0.02
68		Hexachlorobenzene	40.000	41.177	-2.9	73	-0.01
69		Atrazine	40.000	36.371	9.1	62	-0.01
70	C	Pentachlorophenol	40.000	39.443	1.4	67	-0.01
71		Phenanthrene	40.000	38.100	4.7	69	-0.02
72		Anthracene	40.000	38.439	3.9	70	-0.01
73		Carbazole	40.000	35.839	10.4	65	-0.01
74		Di-n-butylphthalate	40.000	37.334	6.7	66	-0.01
75	C	Fluoranthene	40.000	34.528	13.7	62	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	55	-0.01
77		Benzidine	40.000	60.421	-51.1#	58	0.00
78		Pyrene	40.000	44.234	-10.6	61	-0.01
79	S	Terphenyl-d14	80.000	97.087	-21.4	67	-0.01
80		Butylbenzylphthalate	40.000	42.220	-5.5	56	-0.01
81		Benzo(a)anthracene	40.000	38.760	3.1	55	-0.01
82		3,3'-Dichlorobenzidine	40.000	43.449	-8.6	56	-0.01
83		Chrysene	40.000	38.386	4.0	55	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	40.568	-1.4	55	-0.01
85	c	Di-n-octyl phthalate	40.000	39.020	2.4	52	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	53	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	41.227	-3.1	55	-0.02
88		Benzo(b)fluoranthene	40.000	38.754	3.1	52	-0.01
89		Benzo(k)fluoranthene	40.000	37.716	5.7	51	-0.02
90	C	Benzo(a)pyrene	40.000	38.846	2.9	52	-0.02
91		Dibenzo(a,h)anthracene	40.000	40.850	-2.1	55	-0.02
92		Benzo(g,h,i)perylene	40.000	42.206	-5.5	56	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047290.D
Acq On : 21 Aug 2024 09:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:11:53 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

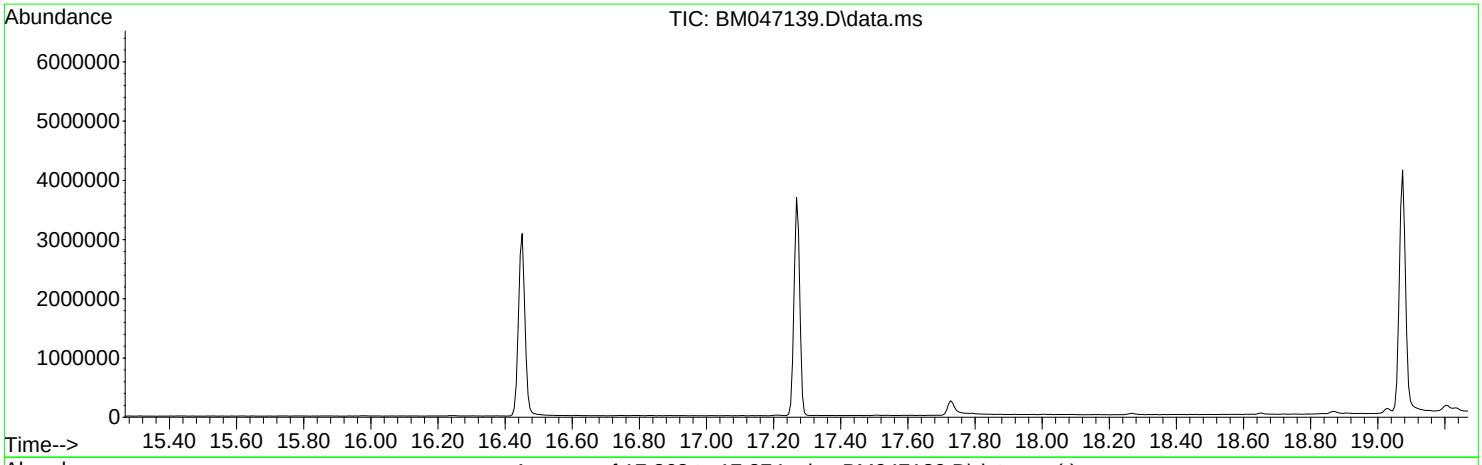
QC SAMPLE DATA

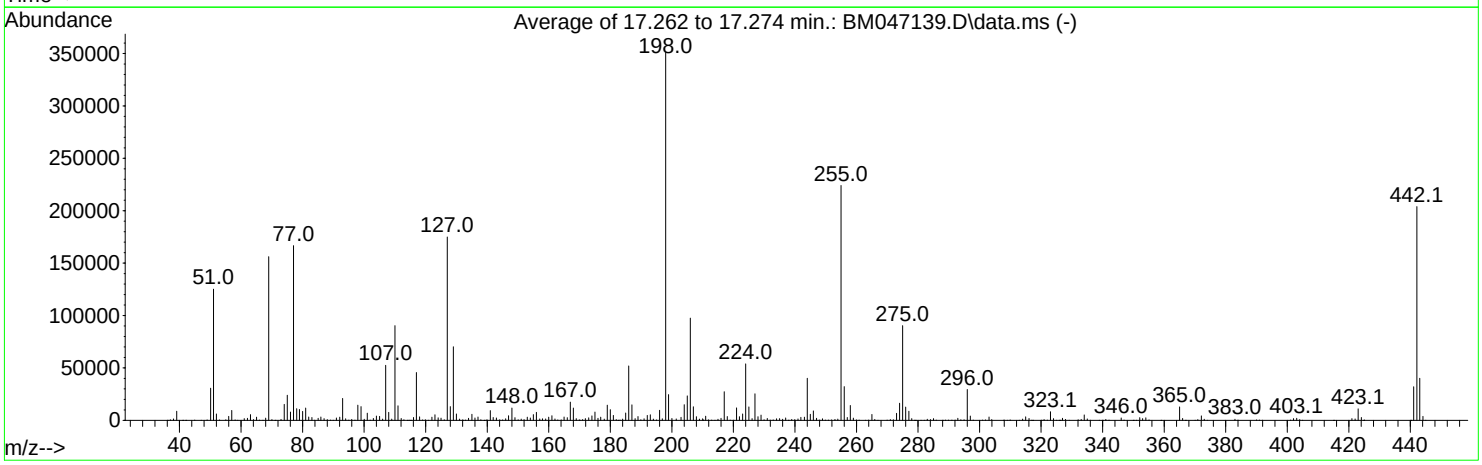
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

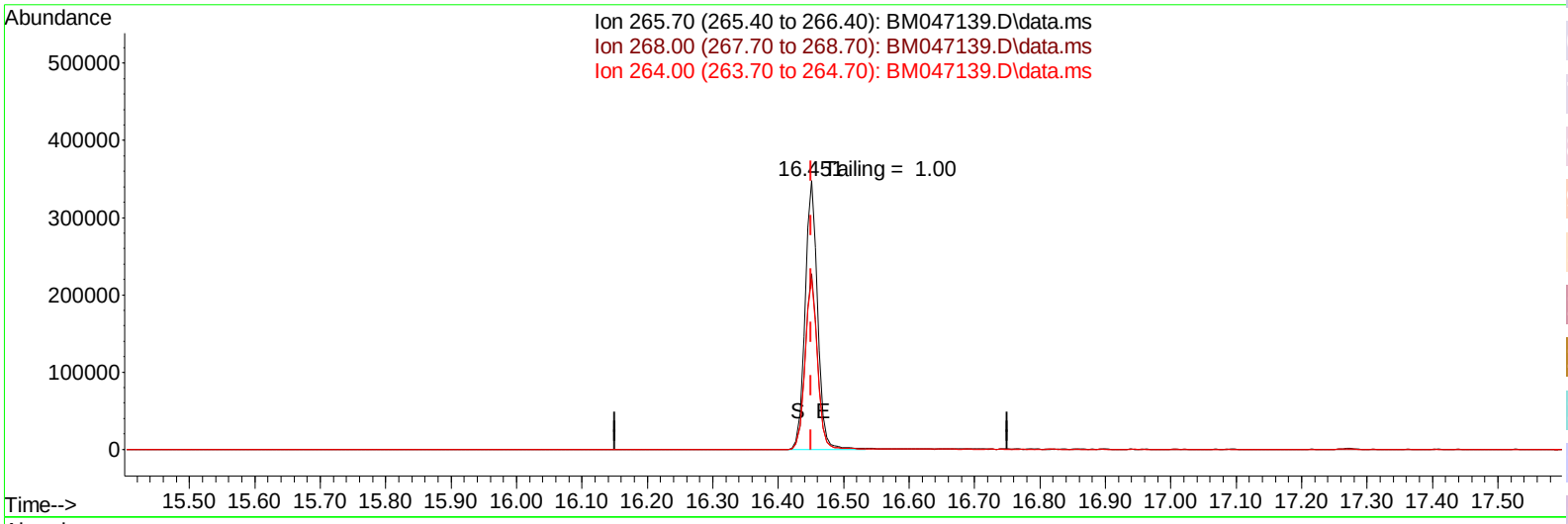
DDT Breakdown

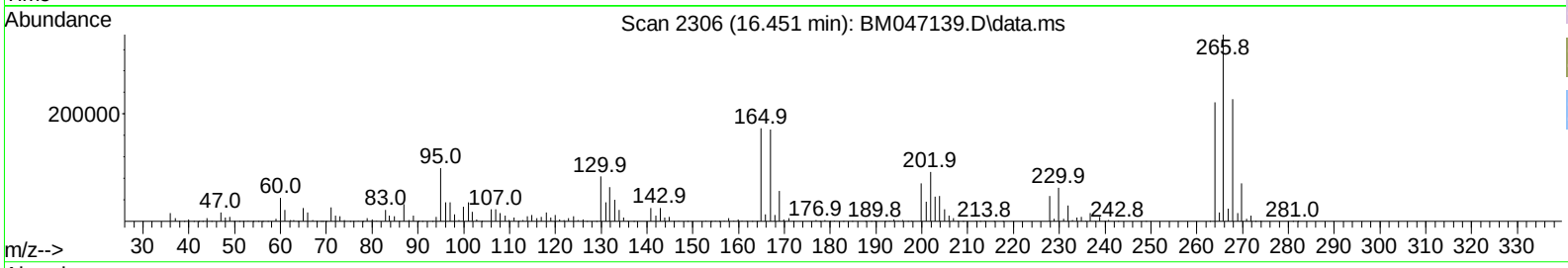
Date	Instrument Name	DFTPP Data File
8/10/2024	BNA_M	BM047139.D
Compound Name	**Response**	**Retention Time**
DDT	1324125	20.321
DDD	17903	19.927
DDE	740	19.362
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18643	1342768	1.39

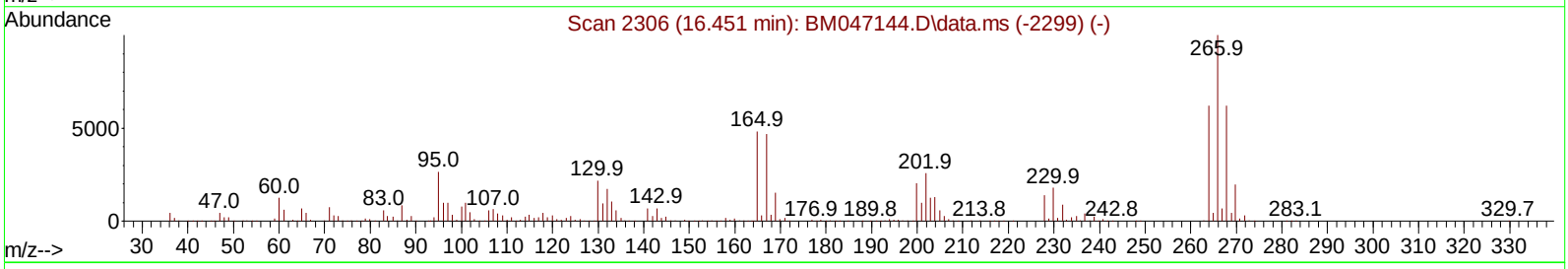
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

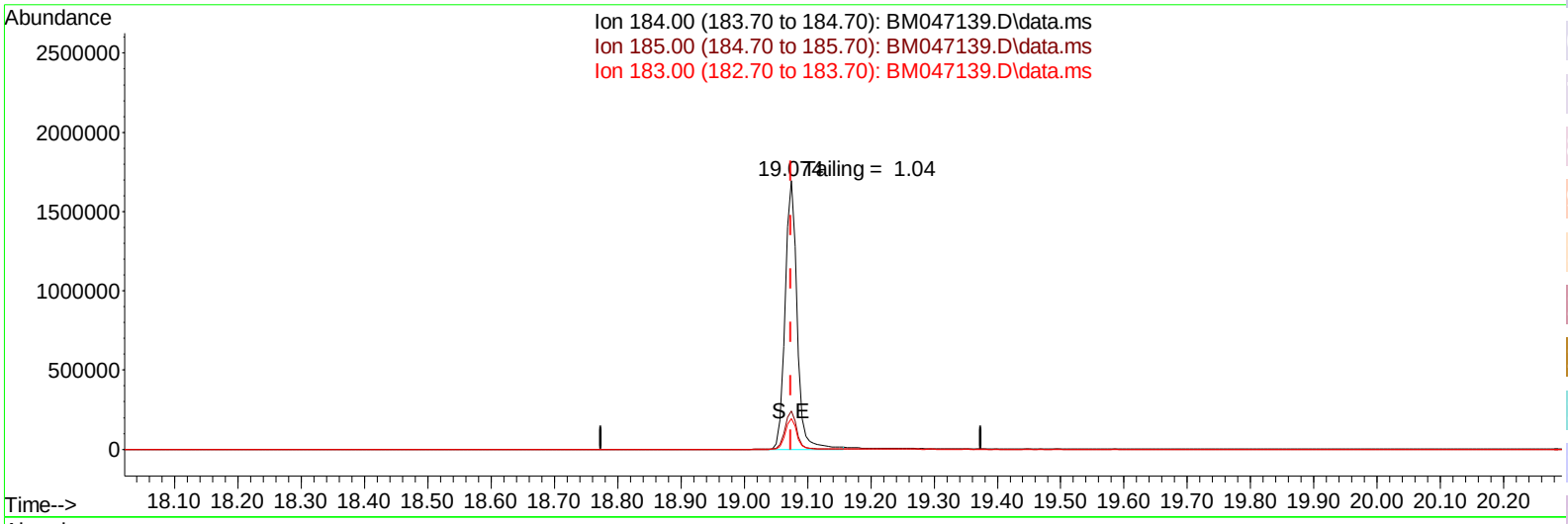
response 465922

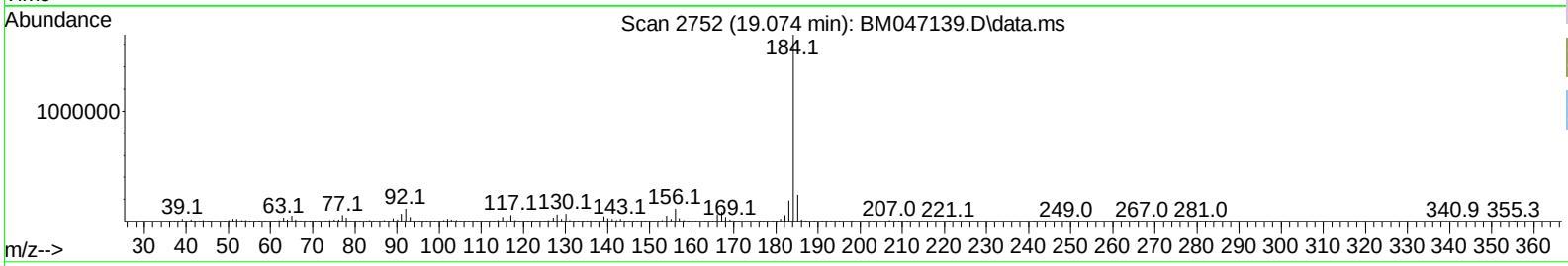
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.50
264.00	62.00	63.60
0.00	0.00	0.00

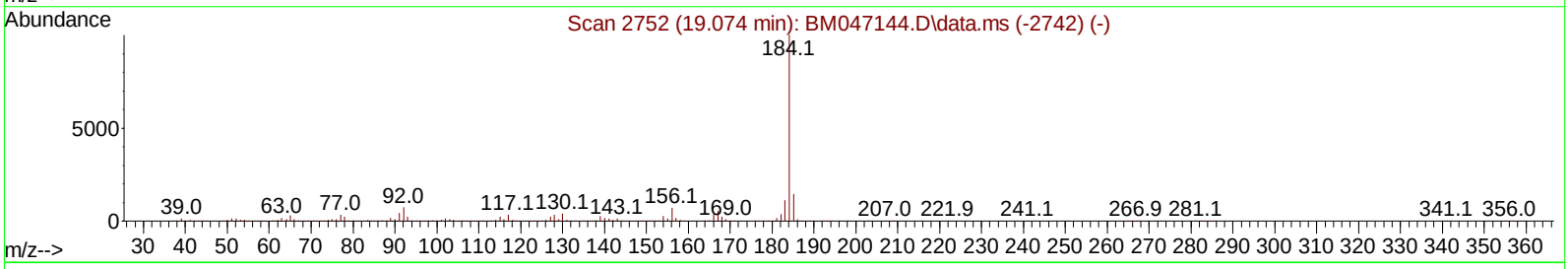
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

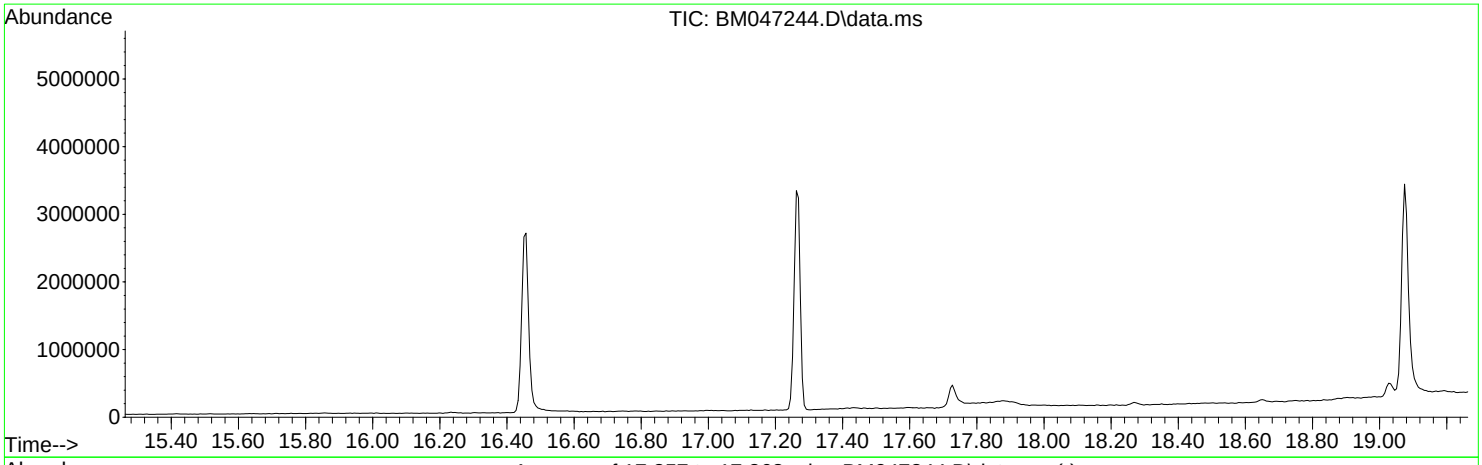
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.34
183.00	11.30	11.36
0.00	0.00	0.00

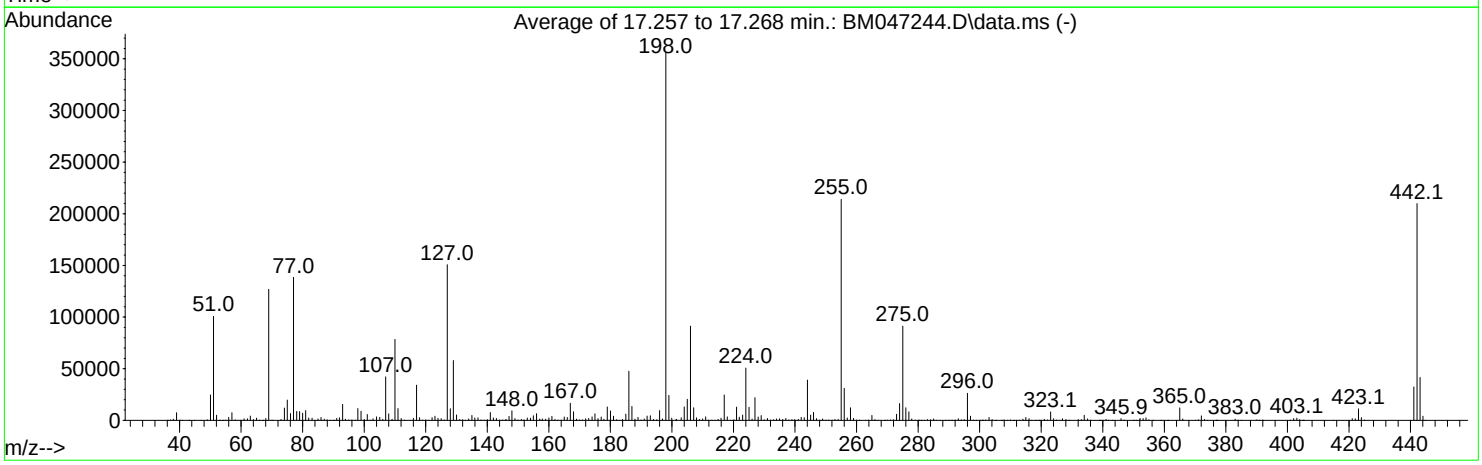
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047244.D
Acq On : 19 Aug 2024 09:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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 2443, 2444, 2445; Background Corrected with Scan 2436

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.3	100766	PASS
68	69	0.00	2	1.4	1739	PASS
69	198	0.00	100	35.6	126854	PASS
70	69	0.00	2	0.3	398	PASS
127	198	10	80	42.3	150684	PASS
197	198	0.00	2	0.4	1439	PASS
198	198	100	100	100.0	356095	PASS
199	198	5	9	6.8	24112	PASS
275	198	10	60	25.6	91270	PASS
365	198	1	100	3.4	12027	PASS
441	198	0.01	100	9.1	32381	PASS
442	442	50	100	100.0	209880	PASS
443	442	15	24	19.8	41587	PASS

Instrument :
BNA_M
ClientSampleId :
DFTPP

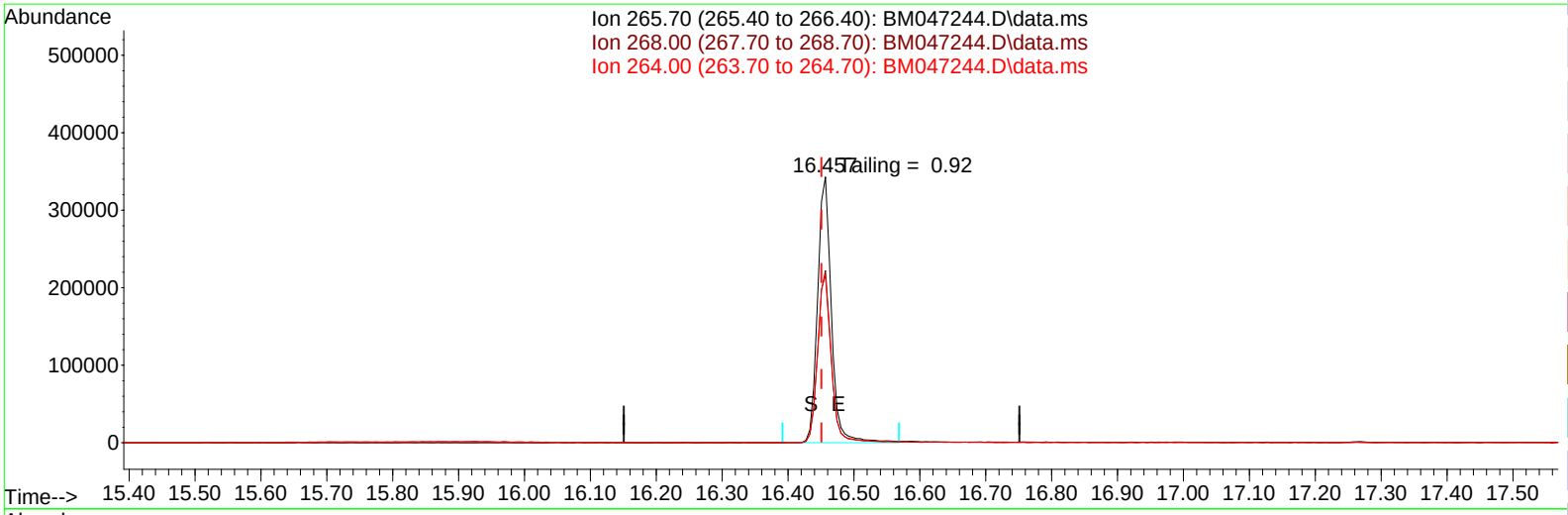
DDT Breakdown

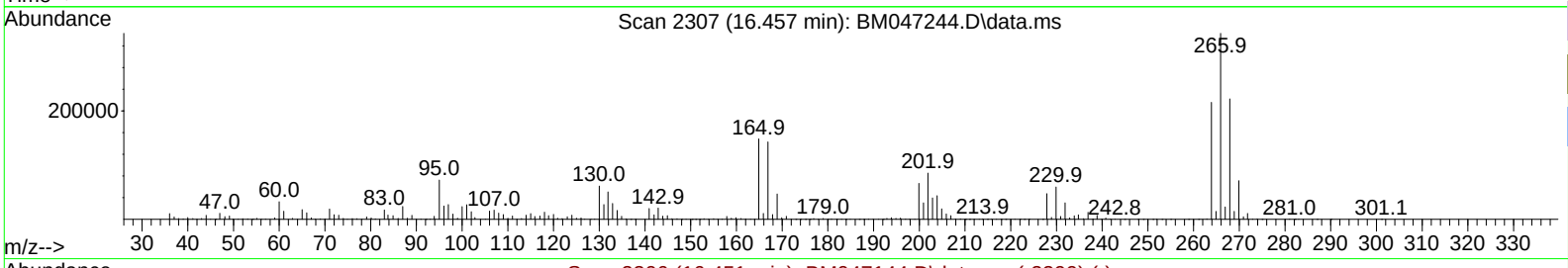
Date	Instrument Name	DFTPP Data File
8/19/2024	BNA_M	BM047244.D
Compound Name	**Response**	**Retention Time**
DDT	1140644	20.321
DDD	107172	19.88
DDE	3211	19.368
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
110383	1251027	8.82

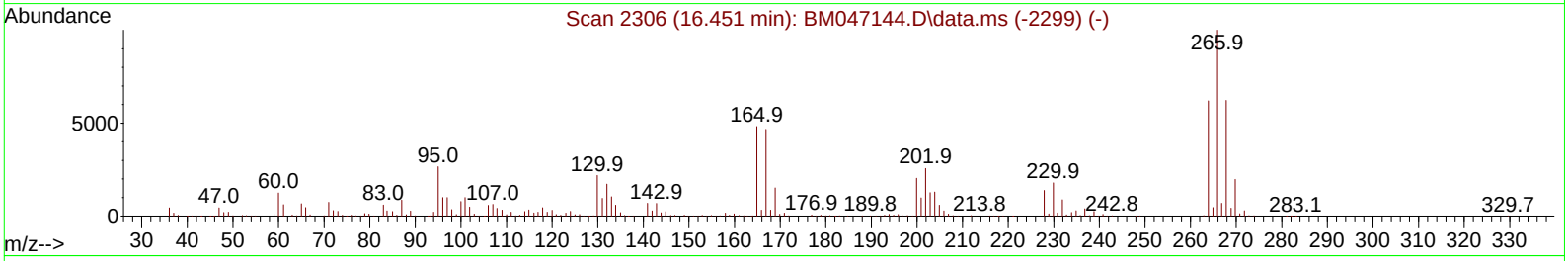
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047244.D
Acq On : 19 Aug 2024 09:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 19 11:15:50 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: BM047244.D\data.ms

(70) Pentachlorophenol (C)

16.457min (+ 0.006) 216859.29 ng

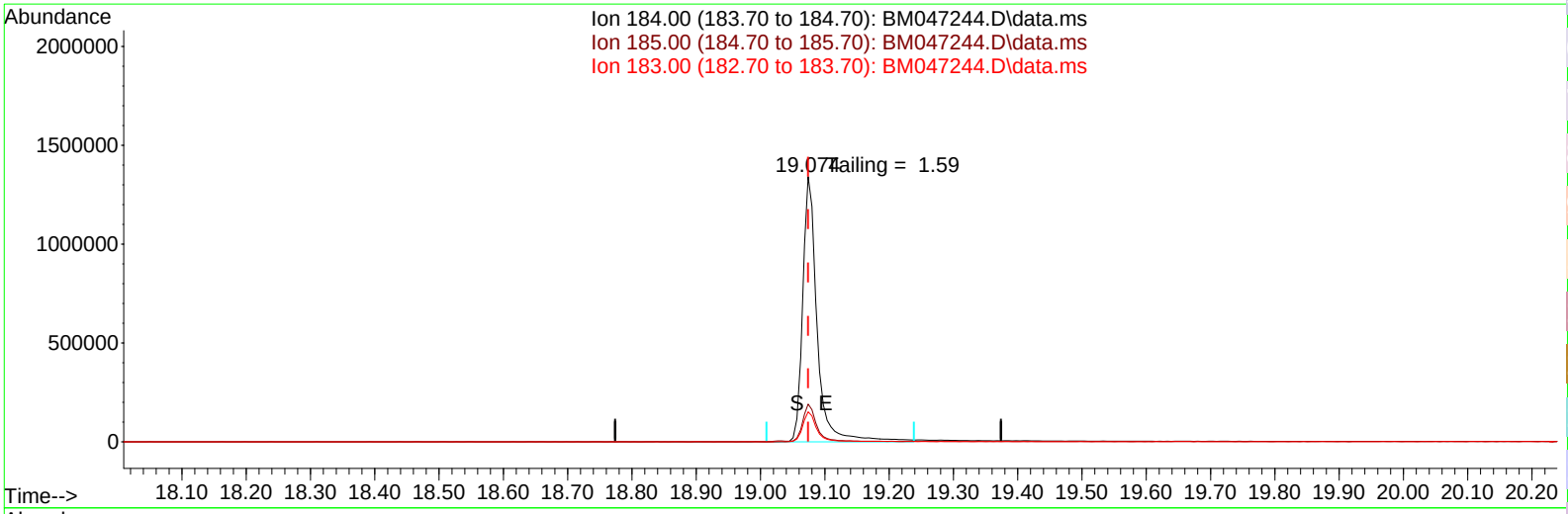
response 499995

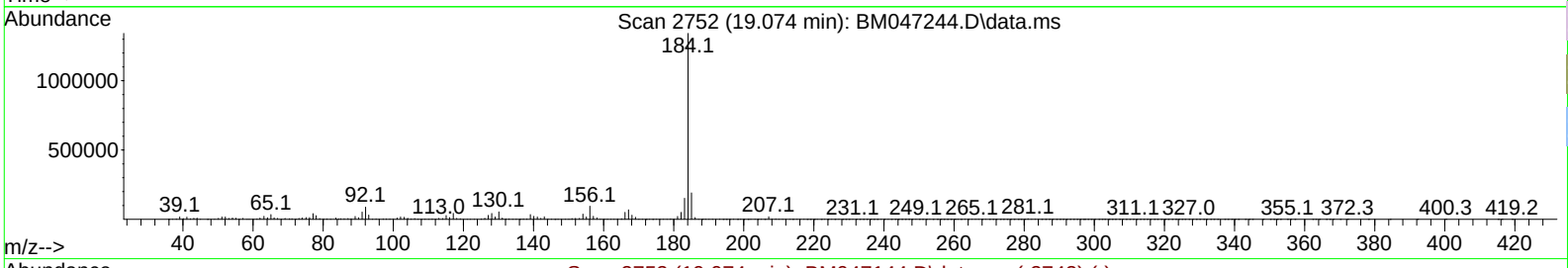
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.77
264.00	62.00	62.88
0.00	0.00	0.00

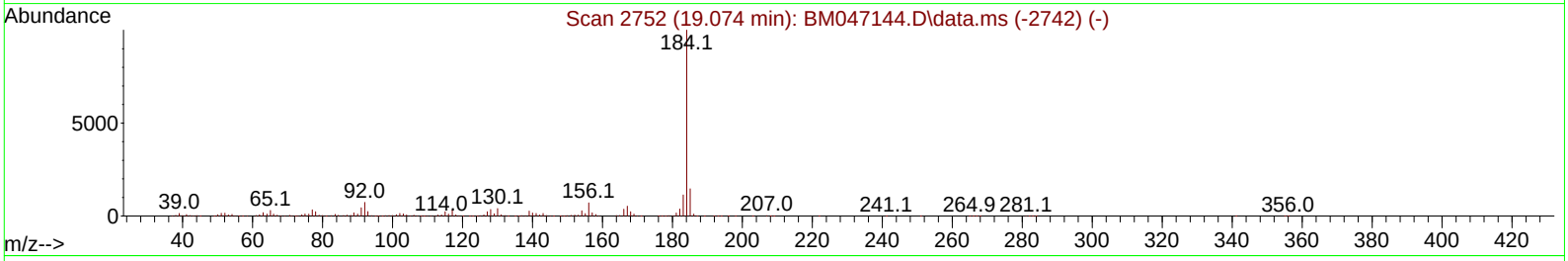
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047244.D
Acq On : 19 Aug 2024 09:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 19 11:15:50 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: BM047244.D\data.ms

(77) Benzidine

19.074min (-0.000) 40695.55 ng m

response 2114570

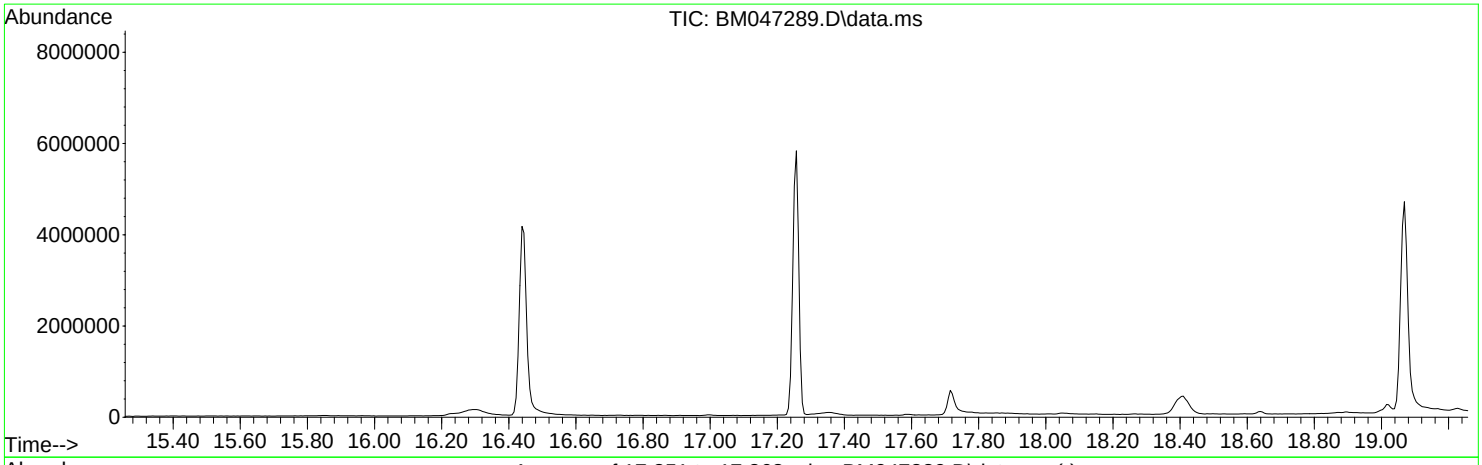
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.26
183.00	11.30	11.34
0.00	0.00	0.00

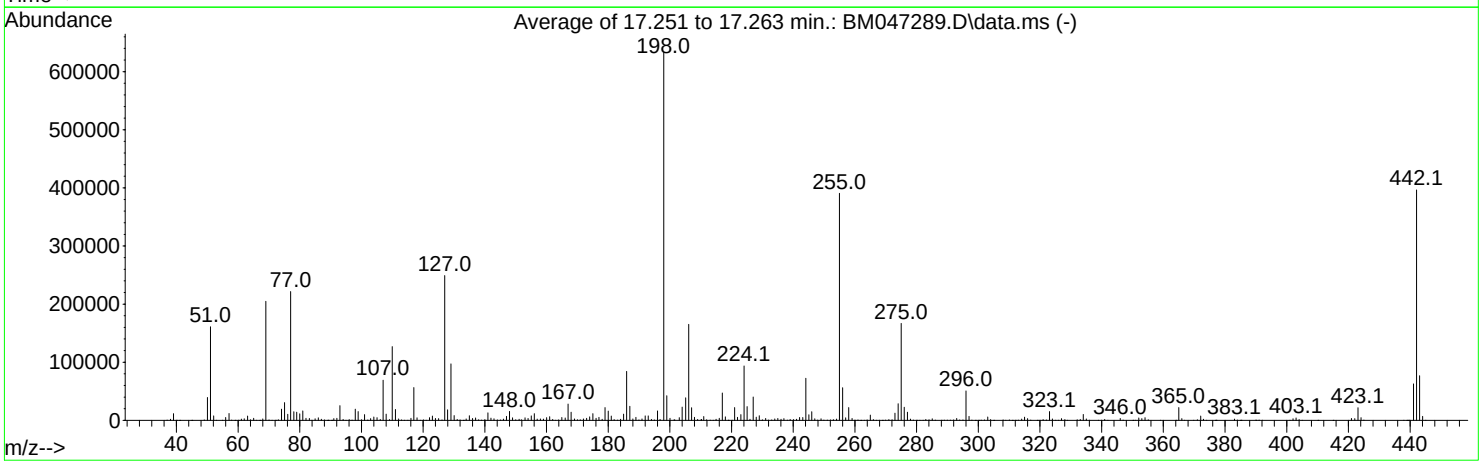
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047289.D
Acq On : 21 Aug 2024 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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	25.5	161163	PASS
68	69	0.00	2	1.3	2576	PASS
69	198	0.00	100	32.4	204916	PASS
70	69	0.00	2	0.4	723	PASS
127	198	10	80	39.4	249067	PASS
197	198	0.00	2	0.3	1653	PASS
198	198	100	100	100.0	632939	PASS
199	198	5	9	6.7	42483	PASS
275	198	10	60	26.4	166827	PASS
365	198	1	100	3.5	22171	PASS
441	198	0.01	100	9.9	62925	PASS
442	442	50	100	100.0	396416	PASS
443	442	15	24	19.4	76837	PASS

Instrument :
BNA_M
ClientSampleId :
DFTPP

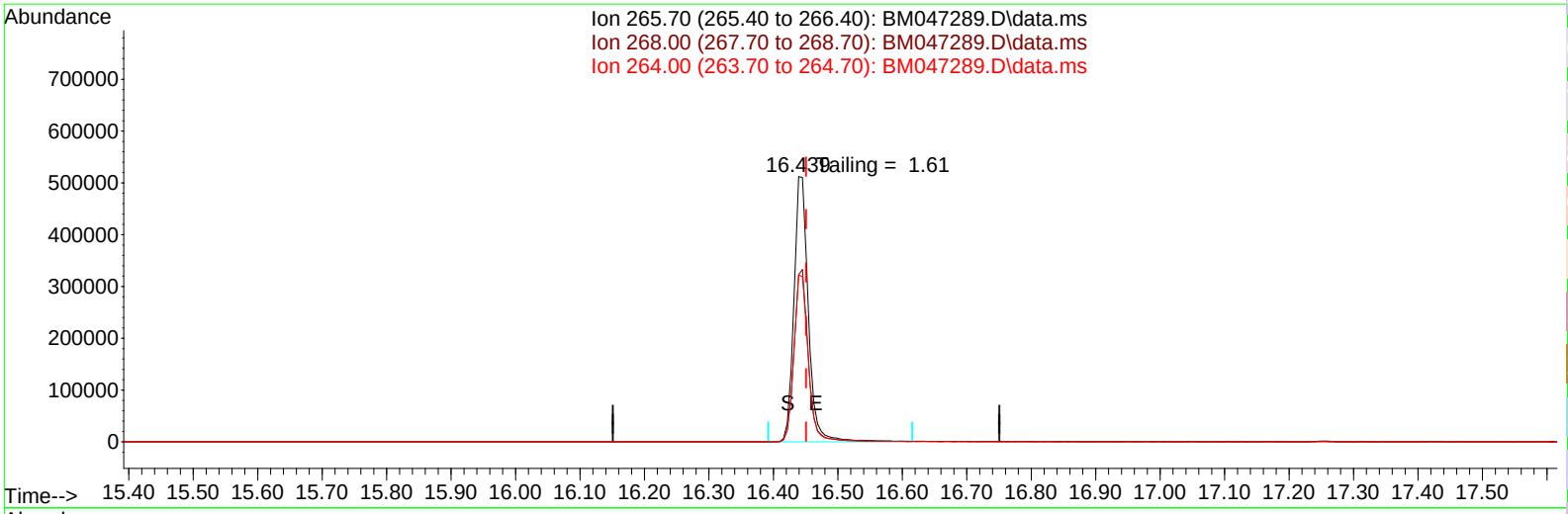
DDT Breakdown

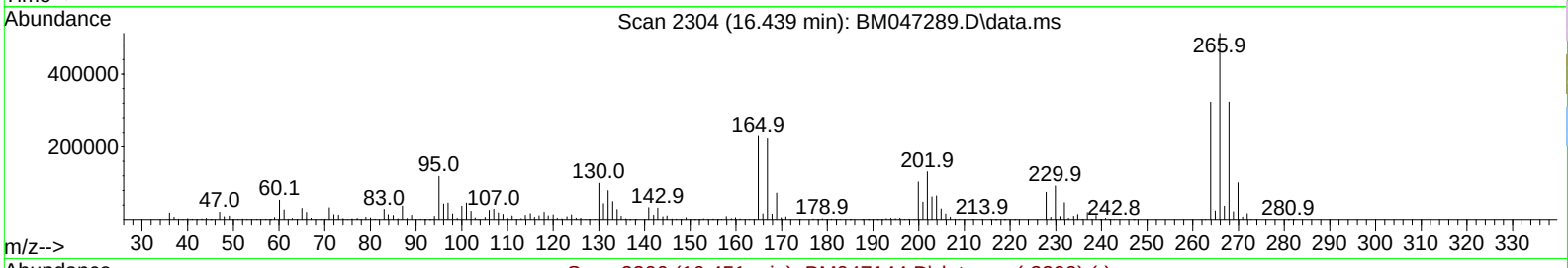
Date	Instrument Name	DFTPP Data File
8/21/2024	BNA_M	BM047289.D
Compound Name	**Response**	**Retention Time**
DDT	2042202	20.315
DDD	65525	19.868
DDE	2039	19.351
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
67564	2109766	3.20

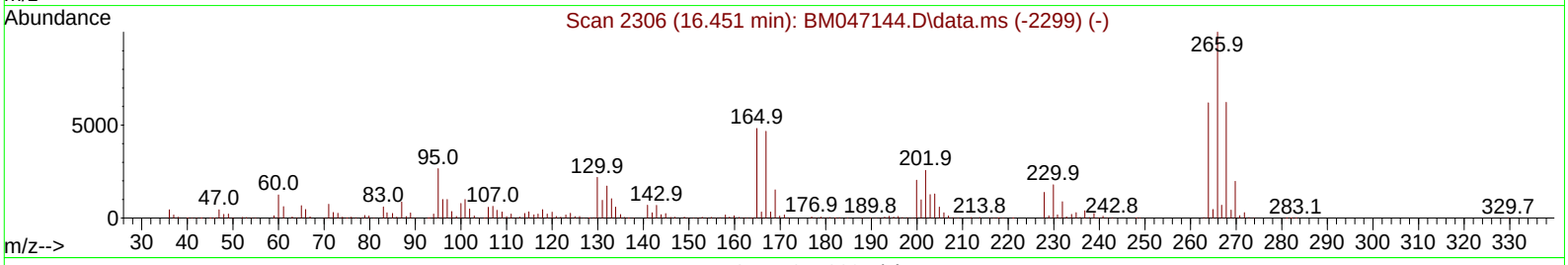
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047289.D
Acq On : 21 Aug 2024 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 21 11:01:24 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: BM047289.D\data.ms

(70) Pentachlorophenol (C)

16.439min (-0.012) 0.00 ng

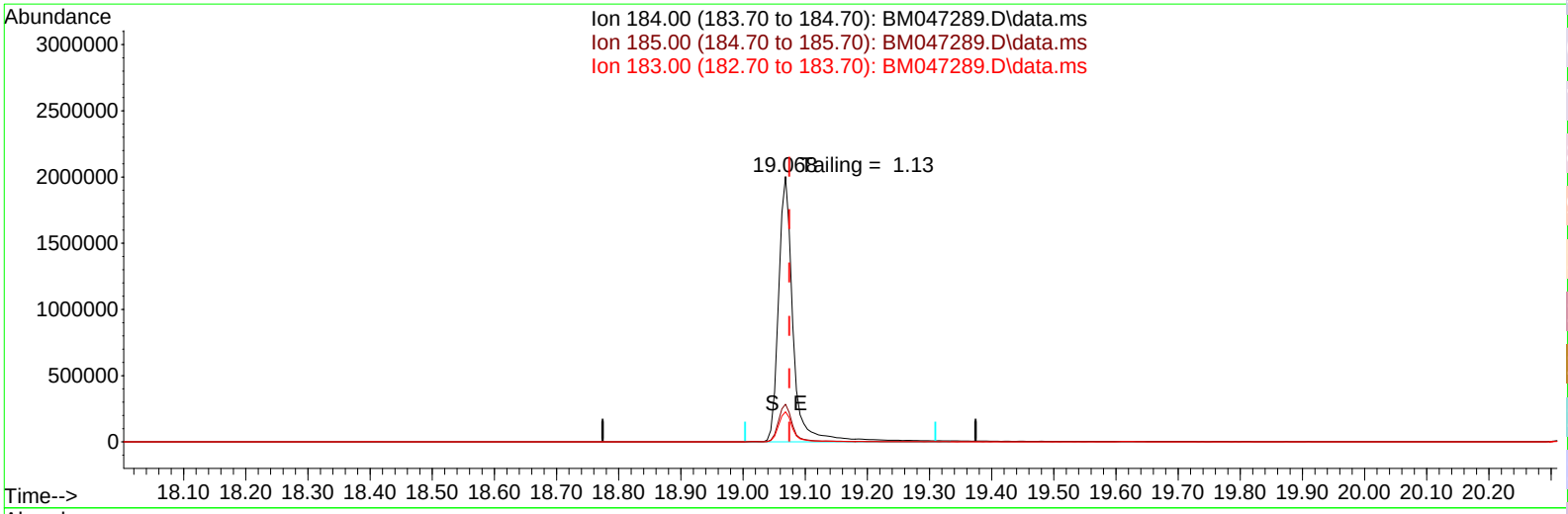
response 801900

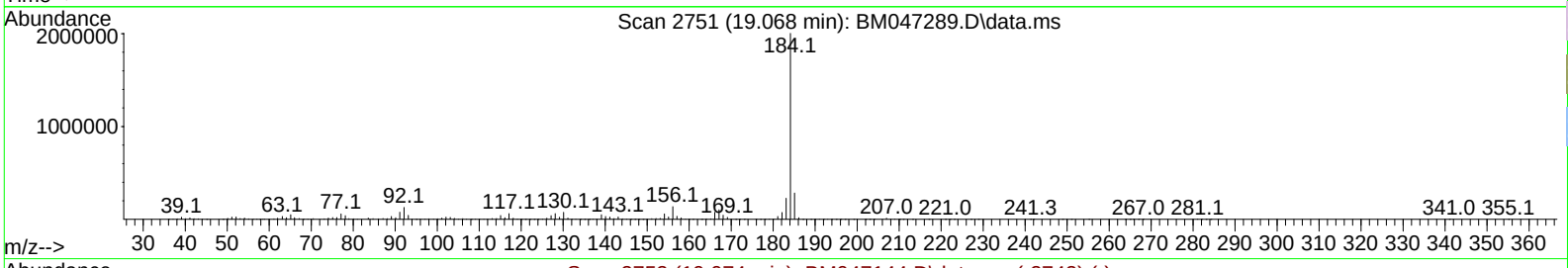
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.06
264.00	62.00	62.98
0.00	0.00	0.00

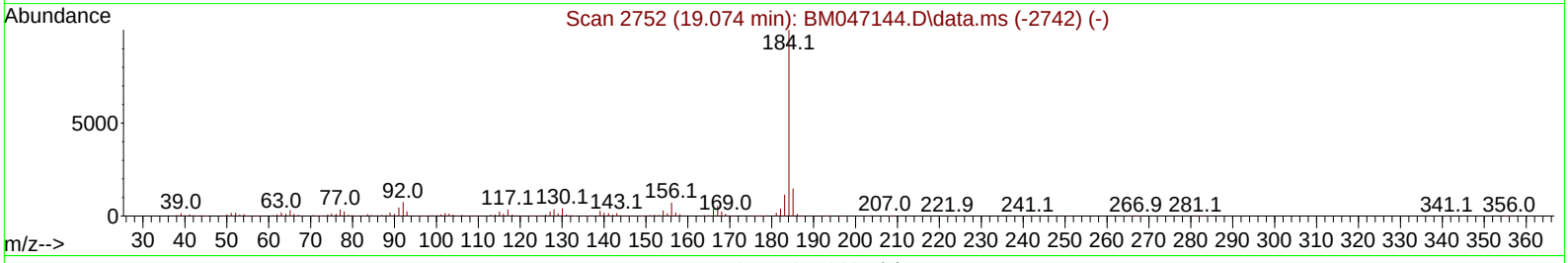
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
Data File : BM047289.D
Acq On : 21 Aug 2024 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 21 11:01:24 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: BM047289.D\data.ms

(77) Benzidine

19.068min (-0.006) 145798.11 ng

response 3298330

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.18
183.00	11.30	11.37
0.00	0.00	0.00

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162722BL	SDG No.:	P3596
Lab Sample ID:	PB162722BL	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
BM047246.D	1	08/14/24 08:25	08/19/24 10:22	PB162722

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
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	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
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
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
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162722BL	SDG No.:	P3596
Lab Sample ID:	PB162722BL	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
BM047246.D	1	08/14/24 08:25	08/19/24 10:22	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	122		15 (10) - 110 (139)	81%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.8		30 (49) - 130 (133)	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.9		30 (52) - 130 (132)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	93.0		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	225000	7.369			
1146-65-2	Naphthalene-d8	888000	10.122			
15067-26-2	Acenaphthene-d10	633000	14.027			
1517-22-2	Phenanthrene-d10	1460000	16.792			
1719-03-5	Chrysene-d12	1430000	21.033			
1520-96-3	Perylene-d12	1590000	23.738			

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\BM081924\
Data File : BM047246.D
Acq On : 19 Aug 2024 10:22
Operator : RC/JU
Sample : PB162722BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Quant Time: Aug 19 11:21:00 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	7.369	152	224571	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	887832	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	633258	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1463620	20.000	ng	0.00
76) Chrysene-d12	21.033	240	1426650	20.000	ng	0.00
86) Perylene-d12	23.738	264	1586344	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1531031	121.819	ng	0.00
7) Phenol-d6	6.581	99	2026033	116.992	ng	0.00
23) Nitrobenzene-d5	8.516	82	1318724	74.791	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	1033697	140.778	ng	0.00
45) 2-Fluorobiphenyl	12.633	172	3240050	78.923	ng	-0.01
79) Terphenyl-d14	19.462	244	6191412	92.992	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047246.D
Acq On : 19 Aug 2024 10:22
Operator : RC/JU
Sample : PB162722BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Quant Time: Aug 19 11:21:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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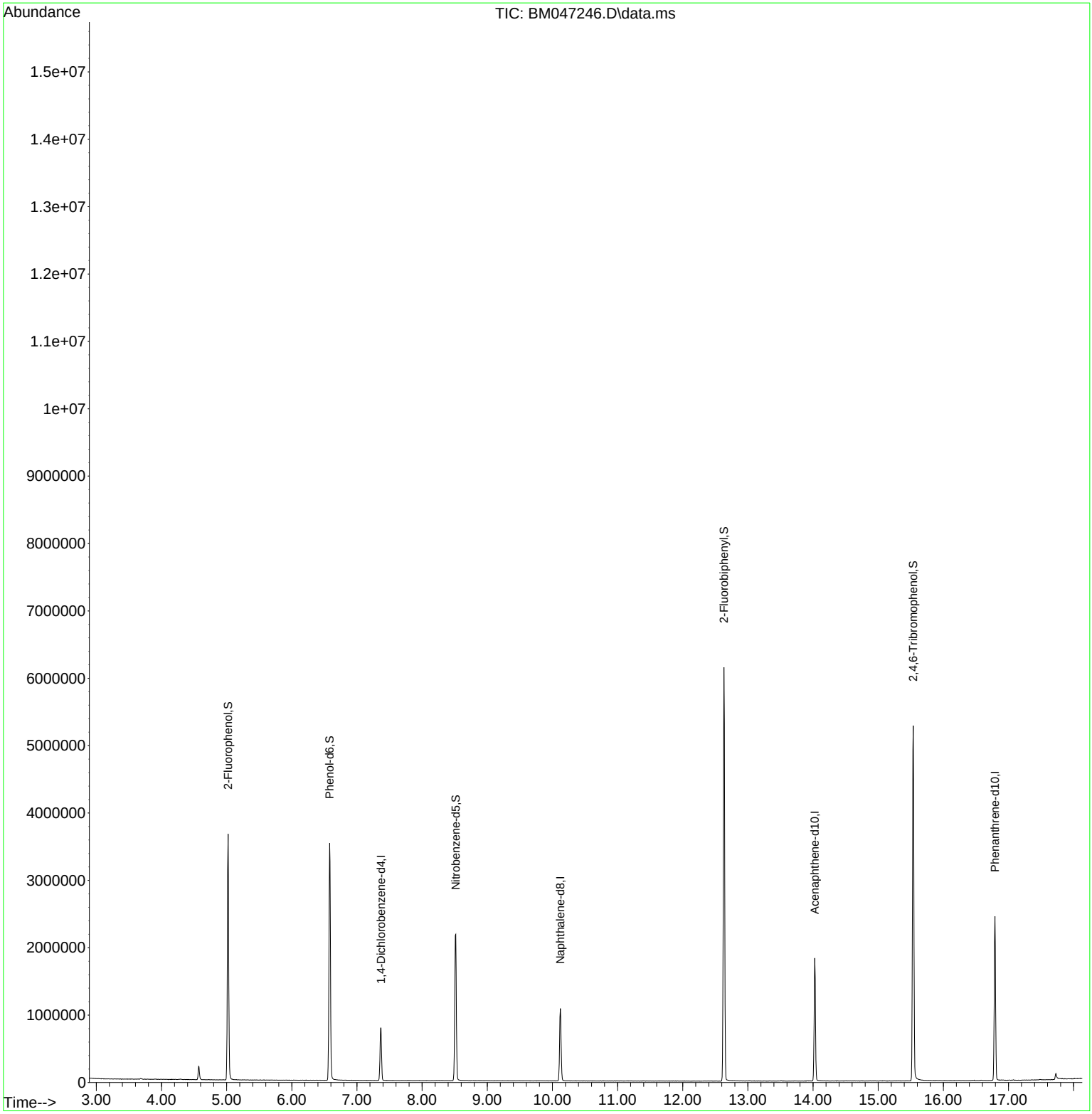

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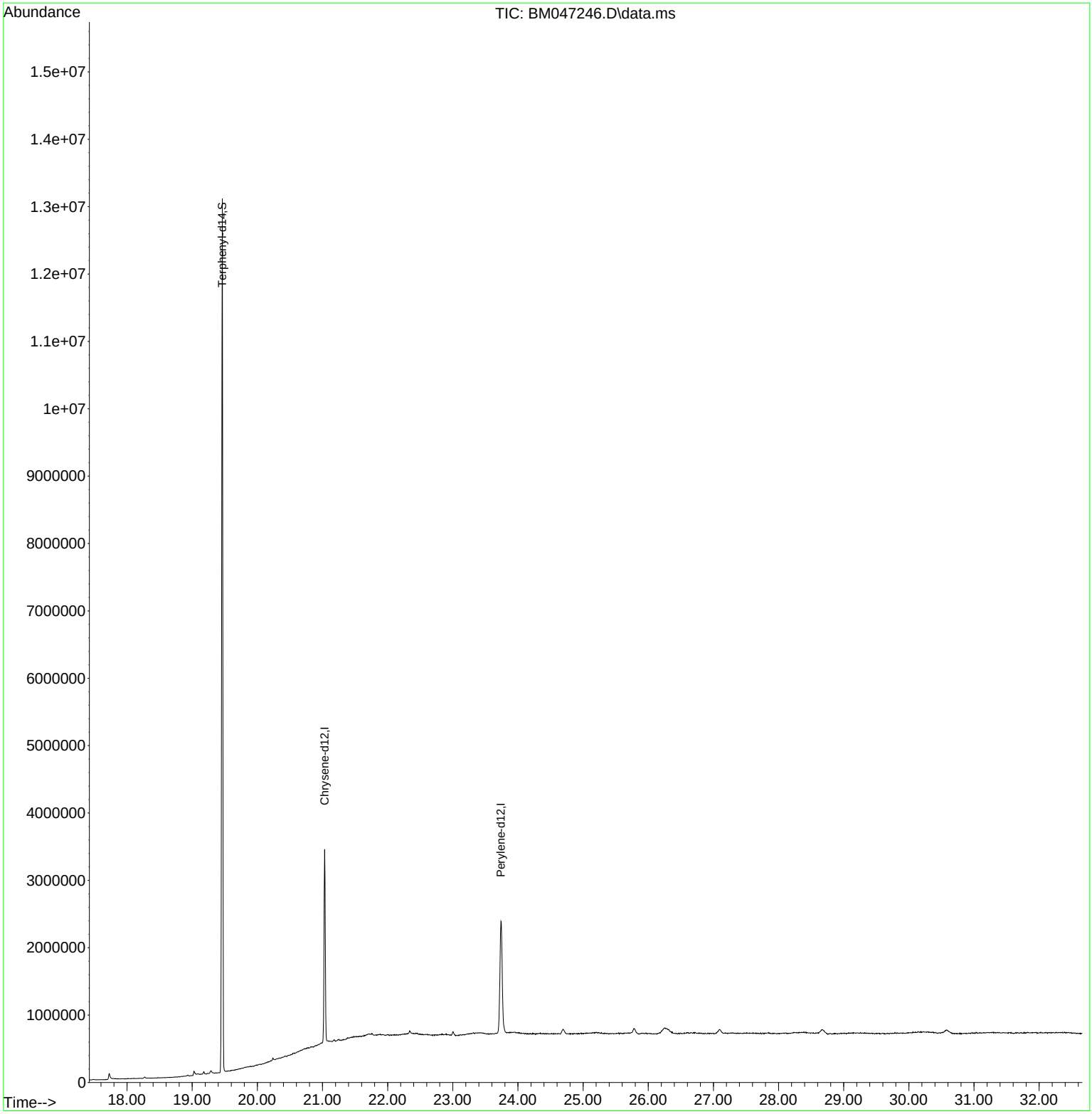
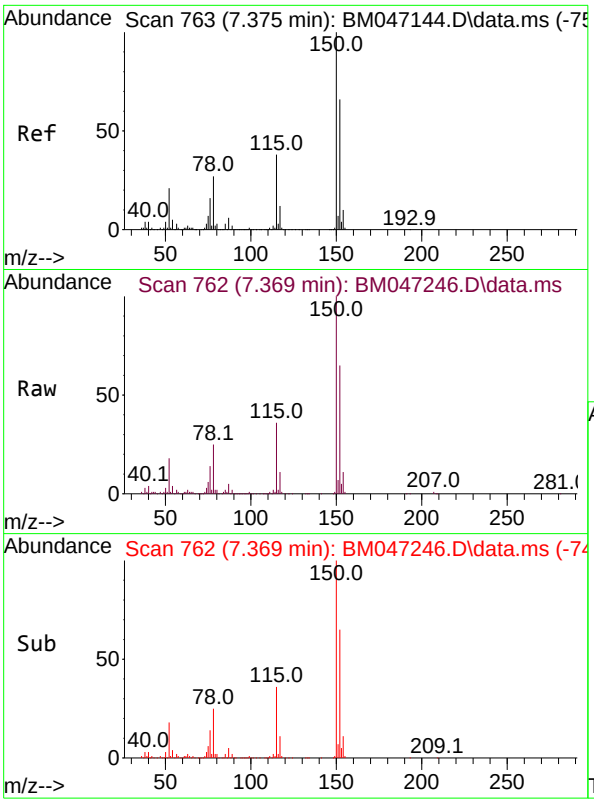
Data File : BM047246.D
Acq On : 19 Aug 2024 10:22
Operator : RC/JU
Sample : PB162722BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Quant Time: Aug 19 11:21:00 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



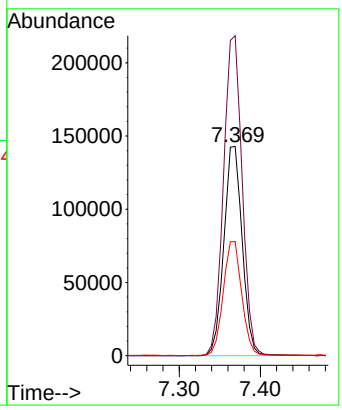


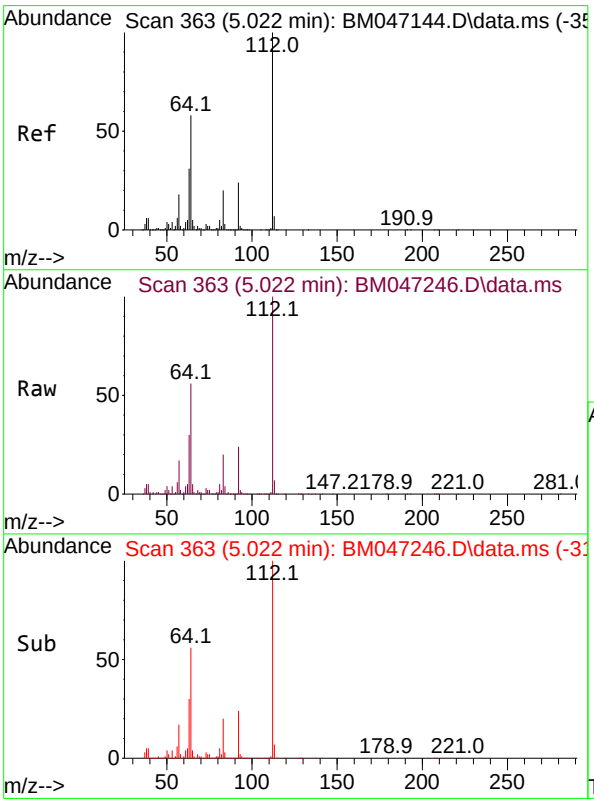
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 7(
Delta R.T. -0.006 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Tgt Ion:152 Resp: 224571

Ion	Ratio	Lower	Upper
152	100		
150	152.9	120.5	180.7
115	54.5	45.5	68.3

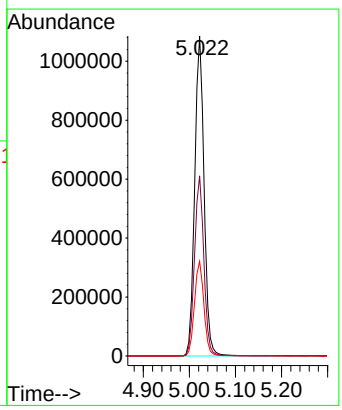


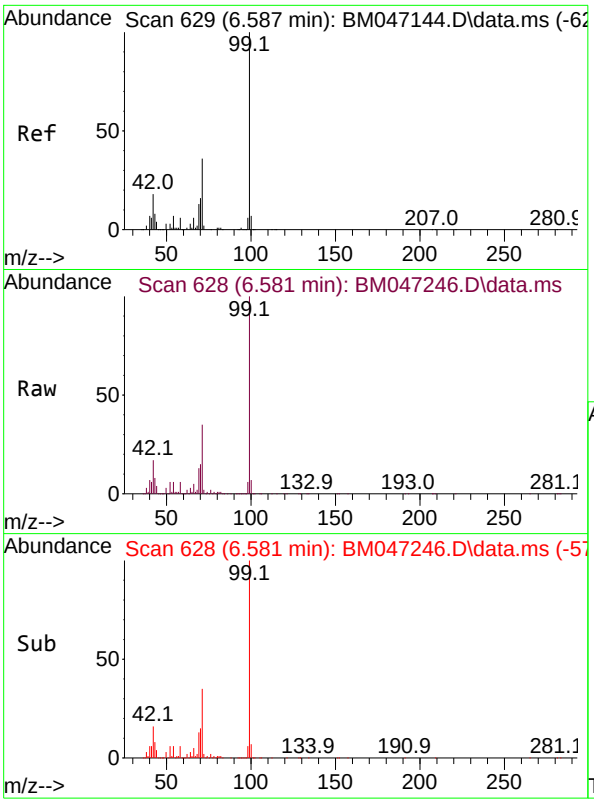


#5
2-Fluorophenol
Concen: 121.819 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Tgt Ion:112 Resp: 1531031

Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.7	70.1
63	29.6	24.8	37.2



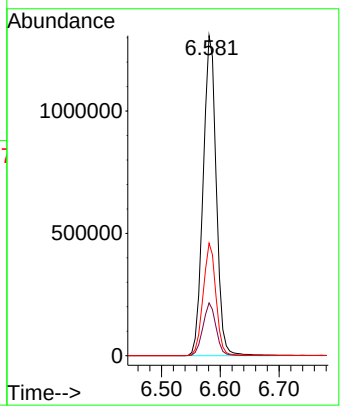


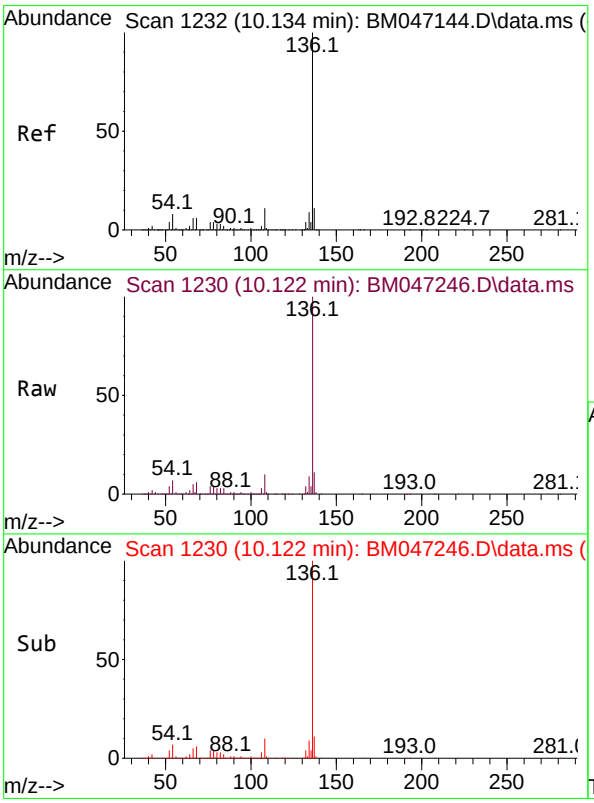
#7
Phenol-d6
Concen: 116.992 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Tgt Ion: 99 Resp: 2026033

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.1	21.1
71	35.2	28.5	42.7

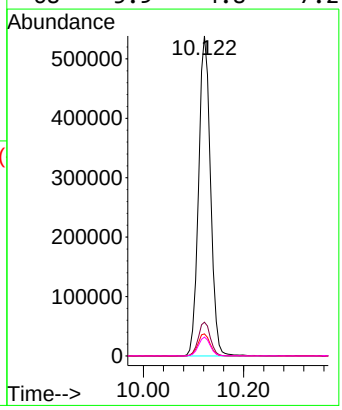


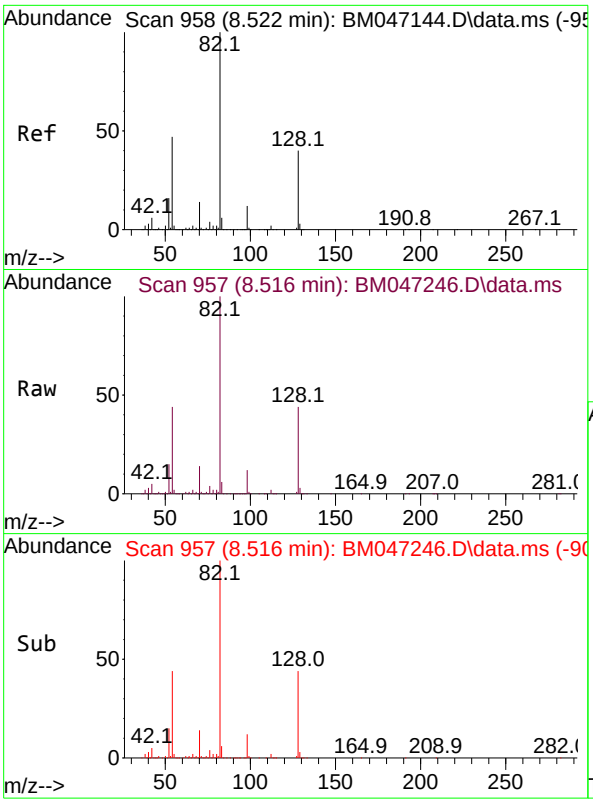


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Tgt Ion:136 Resp: 887832

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.9	6.0	9.0
68	5.9	4.8	7.2



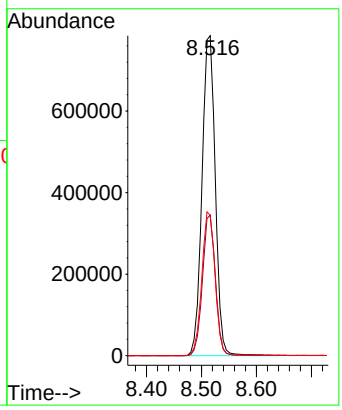


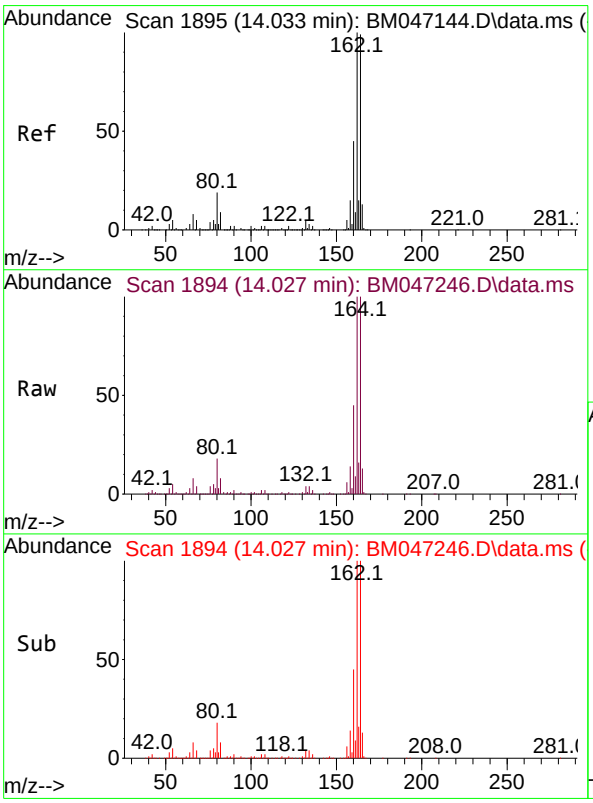
#23
Nitrobenzene-d5
Concen: 74.791 ng
RT: 8.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Tgt Ion: 82 Resp: 1318724

Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.3	48.5
54	43.9	37.4	56.2

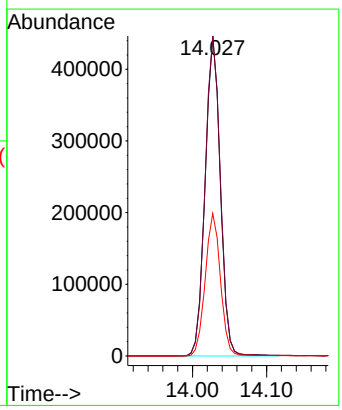


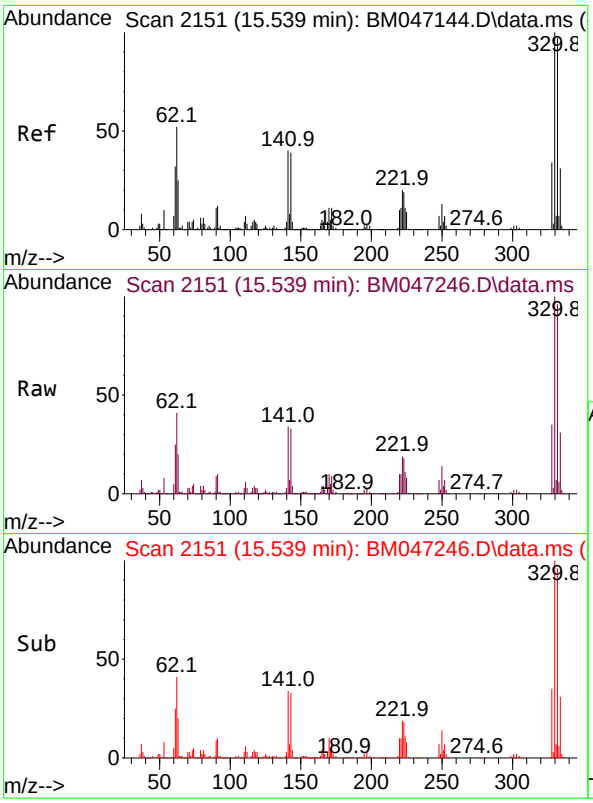


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Tgt Ion:164 Resp: 633258

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.7	121.1
160	44.5	36.0	54.0



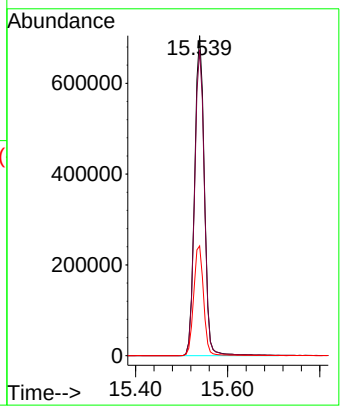


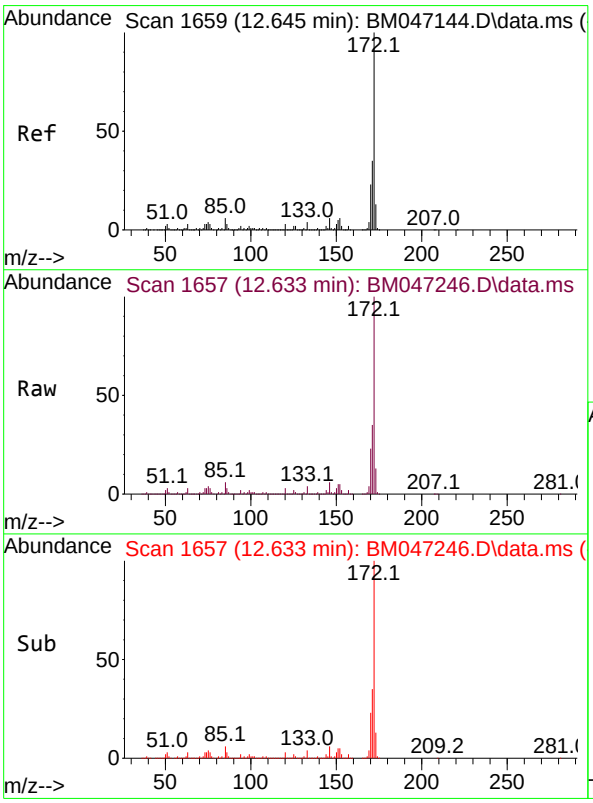
#42
2,4,6-Tribromophenol
Concen: 140.778 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Tgt Ion:330 Resp: 1033697

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.2
141	34.7	31.6	47.4

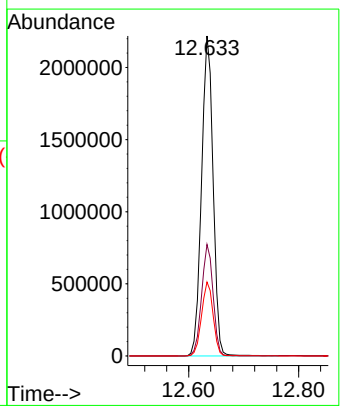


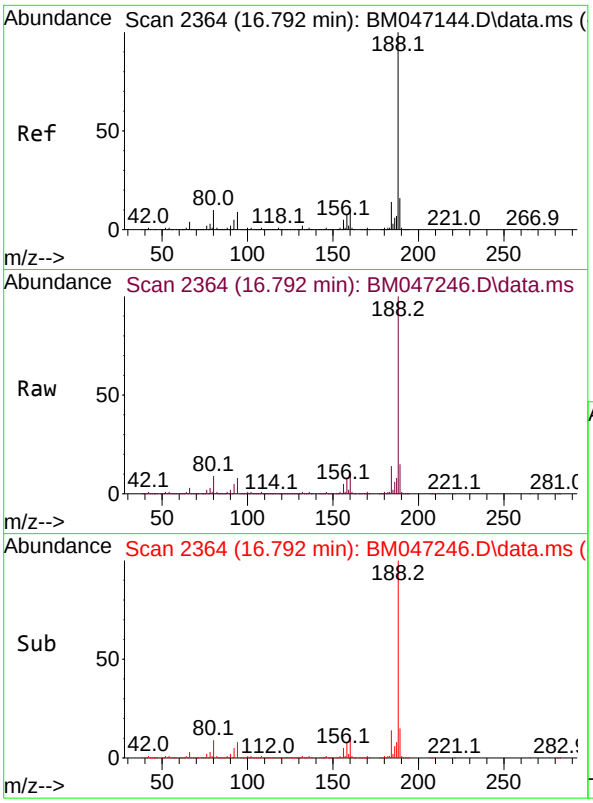


#45
2-Fluorobiphenyl
Concen: 78.923 ng
RT: 12.633 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Tgt Ion:172 Resp: 3240050

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.1	18.7	28.1



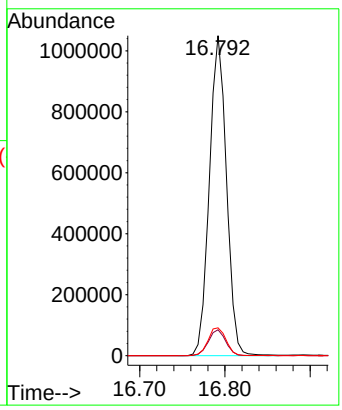


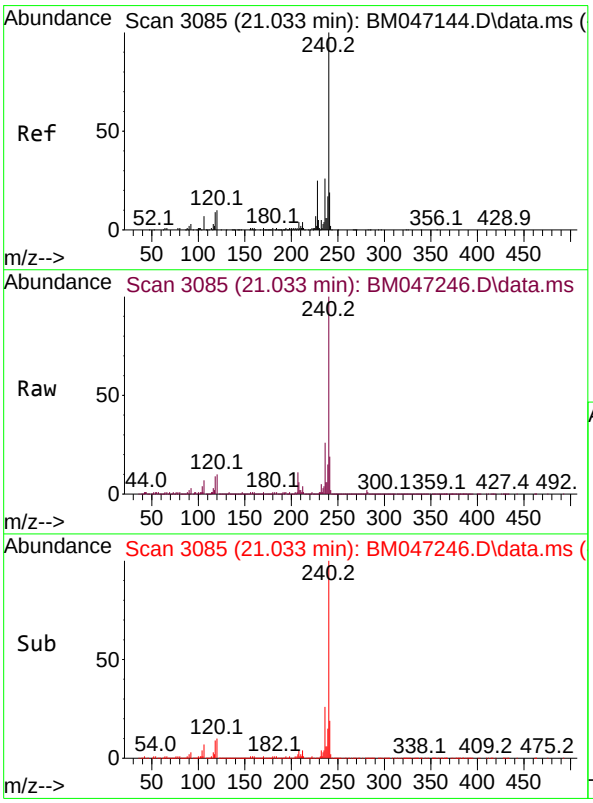
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Tgt Ion:188 Resp: 1463620

Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.0	10.6
80	8.7	8.0	12.0

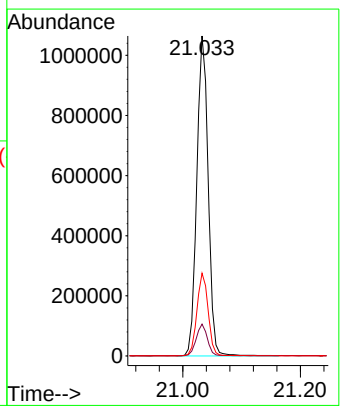


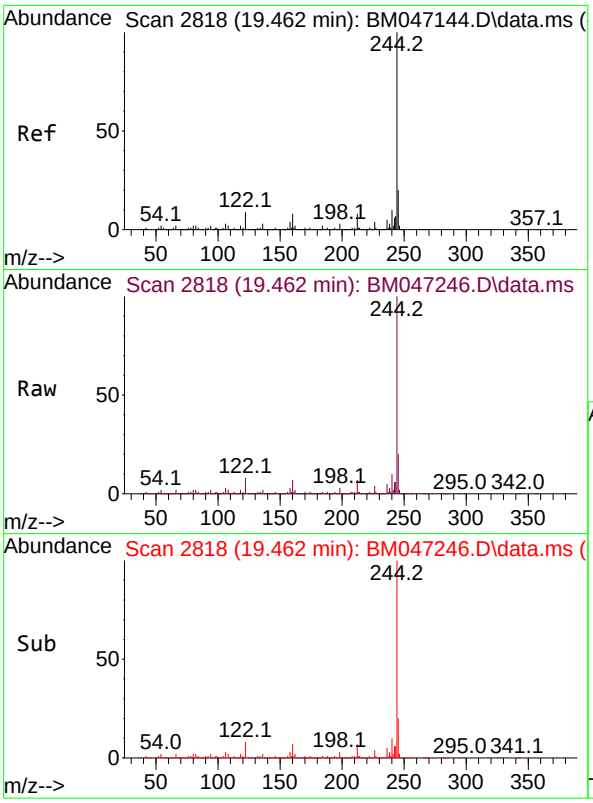


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Tgt Ion:240 Resp: 1426650

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	25.8	20.6	30.8



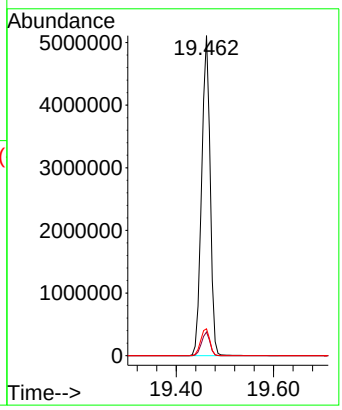


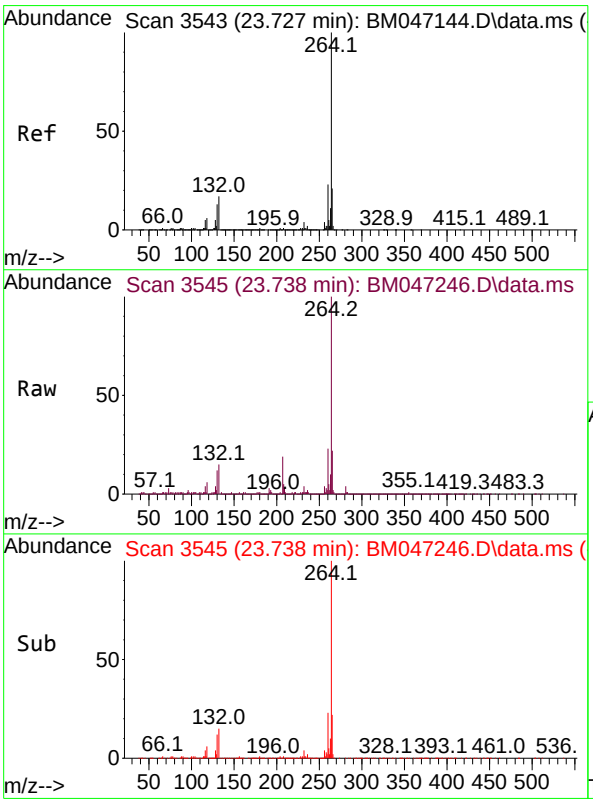
#79
Terphenyl-d14
Concen: 92.992 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Instrument :
BNA_M
ClientSampleId :
PB162722BL

Tgt Ion:244 Resp: 6191412

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	8.4	7.1	10.7

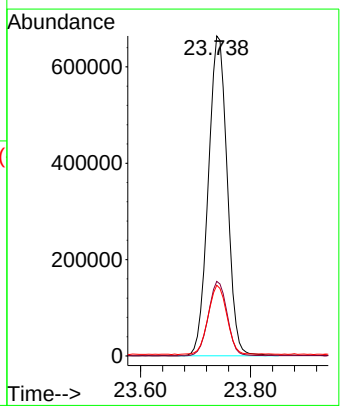




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.738 min Scan# 3545
Delta R.T. 0.012 min
Lab File: BM047246.D
Acq: 19 Aug 2024 10:22

Tgt Ion:264 Resp: 1586344

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	22.1	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:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162722BS	SDG No.:	P3596
Lab Sample ID:	PB162722BS	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
BM047247.D	1	08/14/24 08:25	08/19/24 11:02	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	27.1		1.60	5.00	ug/L
100-52-7	Benzaldehyde	16.2		4.00	10.0	ug/L
95-48-7	2-Methylphenol	48.7		1.10	5.00	ug/L
98-86-2	Acetophenone	39.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.1		1.20	10.0	ug/L
98-95-3	Nitrobenzene	40.8		1.30	5.00	ug/L
120-83-2	2,4-Dichlorophenol	53.0		0.88	5.00	ug/L
91-20-3	Naphthalene	43.5		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.2		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.1		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	51.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.4		1.00	5.00	ug/L
208-96-8	Acenaphthylene	47.9		1.00	5.00	ug/L
83-32-9	Acenaphthene	43.6		0.81	5.00	ug/L
132-64-9	Dibenzofuran	45.3		0.93	5.00	ug/L
86-73-7	Fluorene	45.1		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	45.0		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	90.5	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	45.7		0.89	5.00	ug/L
86-74-8	Carbazole	45.6		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.2		1.50	5.00	ug/L
206-44-0	Fluoranthene	47.1		1.30	5.00	ug/L
129-00-0	Pyrene	46.3		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	47.1		0.94	5.00	ug/L
218-01-9	Chrysene	46.3		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.7		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	50.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	51.9		1.70	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162722BS	SDG No.:	P3596
Lab Sample ID:	PB162722BS	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
BM047247.D	1	08/14/24 08:25	08/19/24 11:02	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	47.9		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.1		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.8		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	27.1		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	42.8		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	126		15 (10) - 110 (134)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.0		30 (49) - 130 (133)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.1		30 (52) - 130 (132)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		15 (44) - 110 (137)	93%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	278000	7.363			
1146-65-2	Naphthalene-d8	1130000	10.122			
15067-26-2	Acenaphthene-d10	783000	14.033			
1517-22-2	Phenanthrene-d10	1750000	16.798			
1719-03-5	Chrysene-d12	1580000	21.039			
1520-96-3	Perylene-d12	1740000	23.744			

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_M\Data\BM081924\
Data File : BM047247.D
Acq On : 19 Aug 2024 11:02
Operator : RC/JU
Sample : PB162722BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 12:03:46 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

Instrument :
BNA_M
ClientSampleId :
PB162722BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.363	152	277756	20.000	ng		-0.01
21) Naphthalene-d8	10.122	136	1128092	20.000	ng		-0.01
39) Acenaphthene-d10	14.033	164	782637	20.000	ng		0.00
64) Phenanthrene-d10	16.798	188	1751225	20.000	ng		0.00
76) Chrysene-d12	21.039	240	1584431	20.000	ng		0.00
86) Perylene-d12	23.744	264	1735614	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	2018950	129.882	ng		0.00
7) Phenol-d6	6.587	99	2697086	125.920	ng		0.00
23) Nitrobenzene-d5	8.516	82	1747101	77.983	ng		0.00
42) 2,4,6-Tribromophenol	15.545	330	1264332	139.323	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	4166905	82.127	ng		0.00
79) Terphenyl-d14	19.462	244	7443553	100.666	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.022	88	174375	27.074	ng		93
3) Pyridine	3.399	79	511358	27.075	ng		98
4) n-Nitrosodimethylamine	3.316	42	302594	36.672	ng		98
6) Aniline	6.716	93	574735	28.389	ng		98
8) 2-Chlorophenol	6.945	128	857074	50.553	ng		97
9) Benzaldehyde	6.528	77	229489	16.239	ng		99
10) Phenol	6.610	94	1010163	47.265	ng		99
11) bis(2-Chloroethyl)ether	6.816	93	782937	42.777	ng		98
12) 1,3-Dichlorobenzene	7.257	146	862091	42.791	ng		98
13) 1,4-Dichlorobenzene	7.404	146	878541	43.070	ng		99
14) 1,2-Dichlorobenzene	7.710	146	864556	44.920	ng		99
15) Benzyl Alcohol	7.622	79	769131	50.455	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.892	45	961825	40.953	ng		99
17) 2-Methylphenol	7.834	107	694069	48.678	ng		98
18) Hexachloroethane	8.416	117	328533	41.579	ng		95
19) n-Nitroso-di-n-propyla...	8.181	70	599402	41.546	ng		96
20) 3+4-Methylphenols	8.157	107	957813	48.050	ng		96
22) Acetophenone	8.186	105	1075144	39.483	ng	#	99
24) Nitrobenzene	8.557	77	919665	40.767	ng		96
25) Isophorone	9.081	82	1742843	44.679	ng		98
26) 2-Nitrophenol	9.257	139	493792	49.425	ng		95
27) 2,4-Dimethylphenol	9.339	122	635683	54.318	ng		100
28) bis(2-Chloroethoxy)met...	9.569	93	1072334	43.689	ng		99
29) 2,4-Dichlorophenol	9.792	162	919603	52.959	ng		98
30) 1,2,4-Trichlorobenzene	9.992	180	904506	46.029	ng		99
31) Naphthalene	10.175	128	2444663	43.501	ng		100
32) Benzoic acid	9.545	122	684543	50.347	ng		94
33) 4-Chloroaniline	10.298	127	576218	26.663	ng		99
34) Hexachlorobutadiene	10.457	225	531430	46.204	ng		99
35) Caprolactam	11.116	113	239810m	39.767	ng		
36) 4-Chloro-3-methylphenol	11.457	107	917053	49.589	ng		99
37) 2-Methylnaphthalene	11.798	142	1804704	45.103	ng		98
38) 1-Methylnaphthalene	12.027	142	1693690	42.830	ng		98
40) 1,2,4,5-Tetrachloroben...	12.186	216	940589	44.062	ng		99
41) Hexachlorocyclopentadiene	12.157	237	758699	101.784	ng		98
43) 2,4,6-Trichlorophenol	12.445	196	773787	50.999	ng		97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047247.D
Acq On : 19 Aug 2024 11:02
Operator : RC/JU
Sample : PB162722BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 12:03:46 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

Instrument :
BNA_M
ClientSampleId :
PB162722BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.533	196	798852	47.420	ng	97
46) 1,1'-Biphenyl	12.851	154	2224711	39.929	ng	98
47) 2-Chloronaphthalene	12.886	162	1857007	42.642	ng	98
48) 2-Nitroaniline	13.116	65	624912	45.804	ng	94
49) Acenaphthylene	13.745	152	3072328	47.861	ng	100
50) Dimethylphthalate	13.510	163	2548718	46.629	ng	99
51) 2,6-Dinitrotoluene	13.627	165	590654	46.226	ng	89
52) Acenaphthene	14.098	154	1774674	43.583	ng	99
53) 3-Nitroaniline	13.957	138	494794	38.645	ng	100
54) 2,4-Dinitrophenol	14.186	184	778051	101.598	ng	90
55) Dibenzofuran	14.439	168	2915910	45.336	ng	97
56) 4-Nitrophenol	14.310	139	1047264	94.856	ng	99
57) 2,4-Dinitrotoluene	14.433	165	801733	47.009	ng	98
58) Fluorene	15.092	166	2392425	45.081	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.680	232	729672	52.702	ng	93
60) Diethylphthalate	14.892	149	2543505	45.568	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	1179387	46.681	ng	95
62) 4-Nitroaniline	15.139	138	575900	45.657	ng	97
63) Azobenzene	15.392	77	2258541	42.675	ng	95
65) 4,6-Dinitro-2-methylph...	15.210	198	526371	51.338	ng	88
66) n-Nitrosodiphenylamine	15.321	169	2169142	45.476	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	788552	46.729	ng	98
68) Hexachlorobenzene	16.104	284	908898	44.972	ng	97
69) Atrazine	16.292	200	727614	50.693	ng	98
70) Pentachlorophenol	16.456	266	1281594	90.462	ng	98
71) Phenanthrene	16.839	178	4015275	45.687	ng	100
72) Anthracene	16.927	178	4012395	46.920	ng	99
73) Carbazole	17.209	167	3978662	45.567	ng	100
74) Di-n-butylphthalate	17.792	149	4692813	46.191	ng	99
75) Fluoranthene	18.874	202	5034215	47.093	ng	99
77) Benzidine	19.074	184	1061518	39.506	ng	99
78) Pyrene	19.239	202	5242570	46.340	ng	100
80) Butylbenzylphthalate	20.174	149	2275053	49.276	ng	95
81) Benzo(a)anthracene	21.021	228	4950740	47.067	ng	99
82) 3,3'-Dichlorobenzidine	20.962	252	1472565	44.745	ng	98
83) Chrysene	21.080	228	4622802	46.323	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	3057109	46.690	ng	99
85) Di-n-octyl phthalate	22.009	149	5566022	50.013	ng	98
87) Indeno(1,2,3-cd)pyrene	26.768	276	5370805	47.874	ng	98
88) Benzo(b)fluoranthene	22.903	252	4970869	48.228	ng	99
89) Benzo(k)fluoranthene	22.962	252	4948268	50.827	ng	99
90) Benzo(a)pyrene	23.627	252	4635663	51.919	ng	98
91) Dibenzo(a,h)anthracene	26.809	278	4369989	48.133	ng	99
92) Benzo(g,h,i)perylene	27.703	276	4132503	43.840	ng	99

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

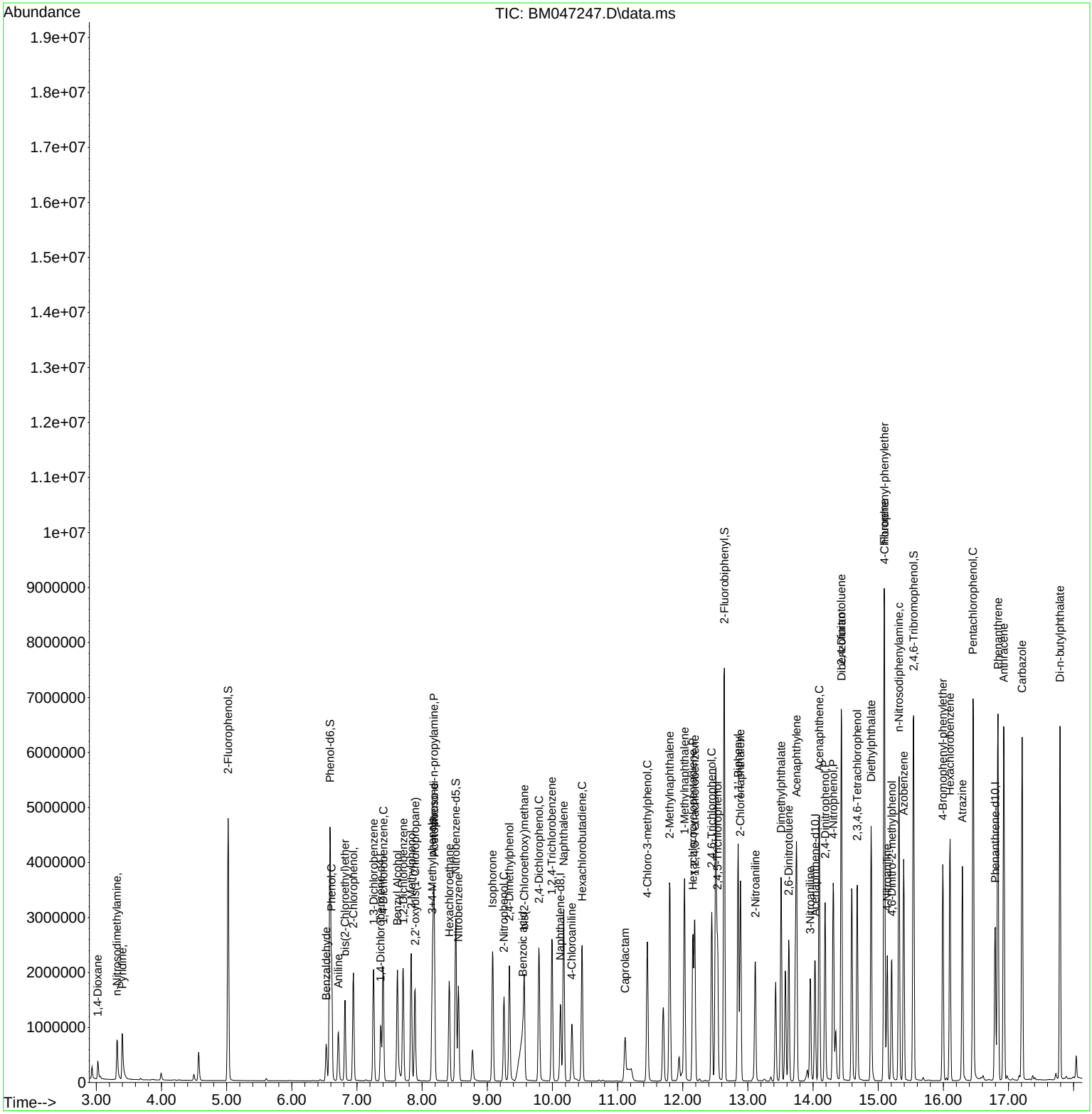
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047247.D
Acq On : 19 Aug 2024 11:02
Operator : RC/JU
Sample : PB162722BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 12:03:46 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

Instrument :
BNA_M
ClientSampleId :
PB162722BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



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Data File : BM047247.D
Acq On : 19 Aug 2024 11:02
Operator : RC/JU
Sample : PB162722BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 12:03:46 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

Instrument :
BNA_M
ClientSampleId :
PB162722BS

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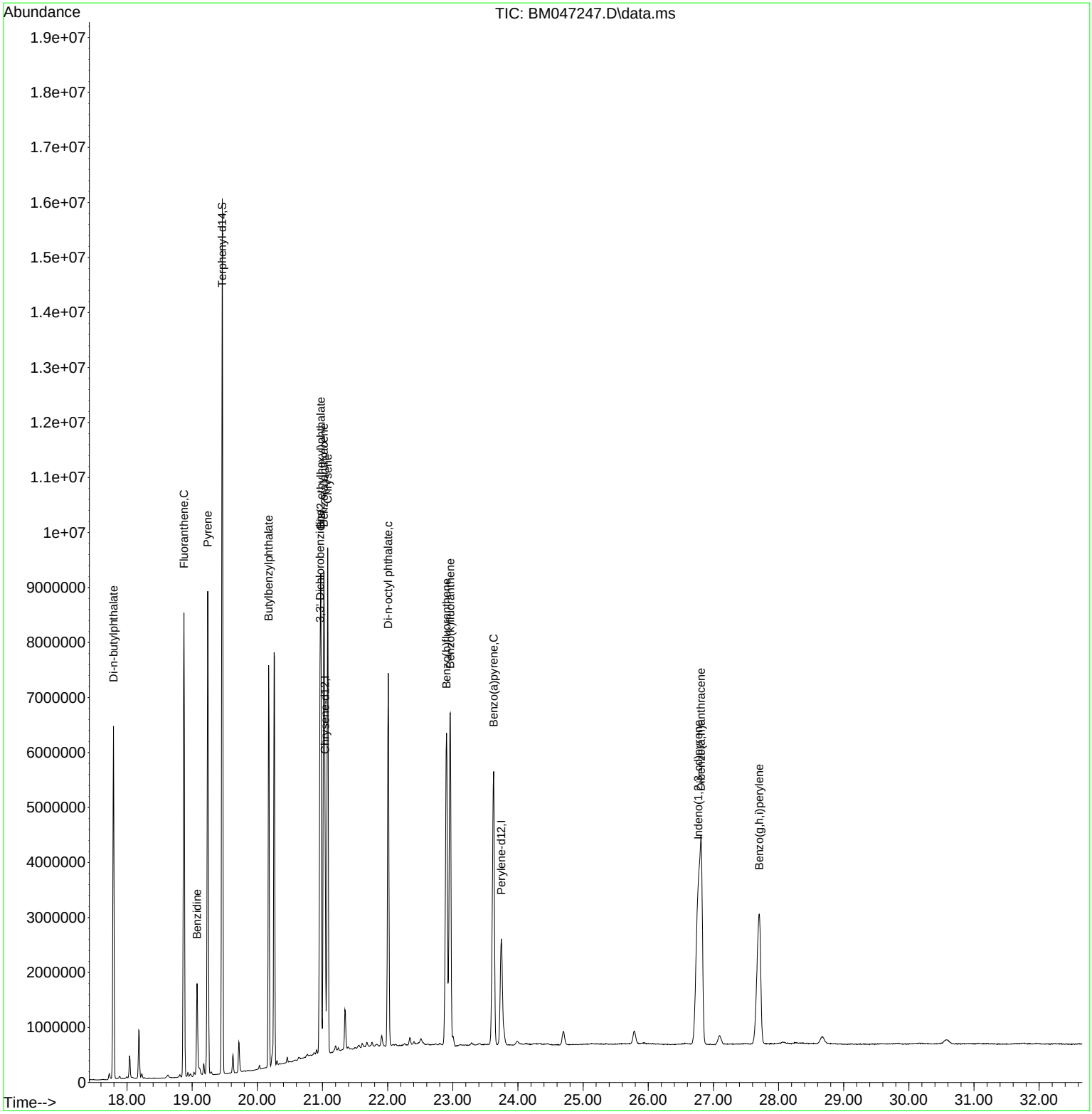
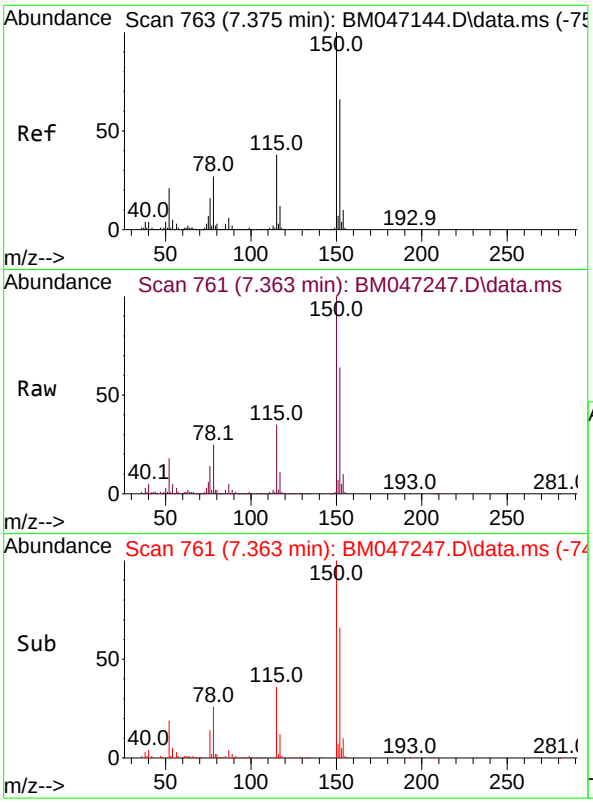
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

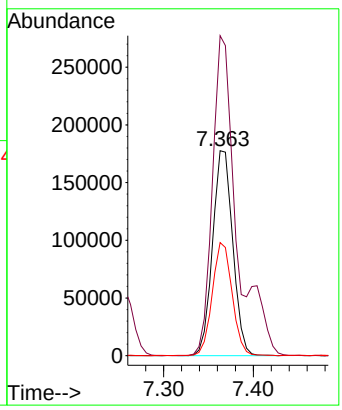




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.363 min Scan# 7(
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:152 Resp: 27775(

Ion	Ratio	Lower	Upper
152	100		
150	156.1	120.5	180.7
115	55.2	45.5	68.3



Instrument :
BNA_M
ClientSampleId :
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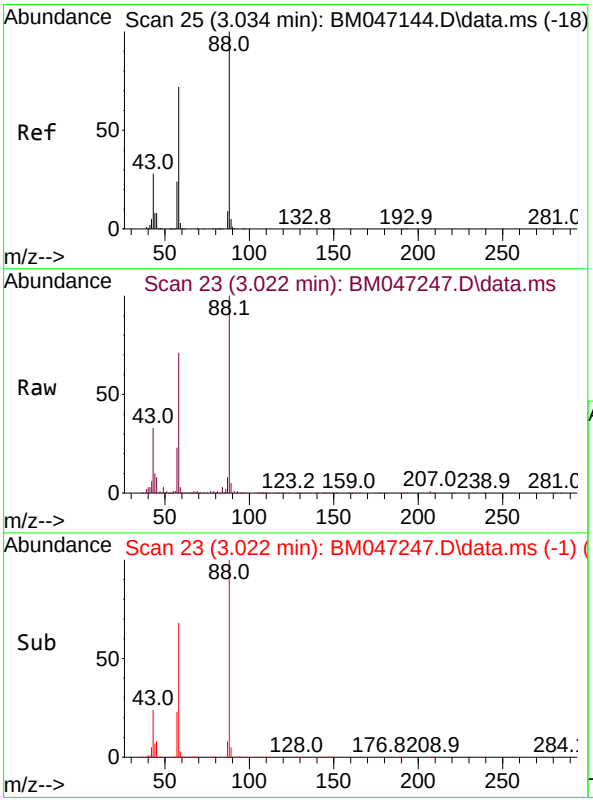
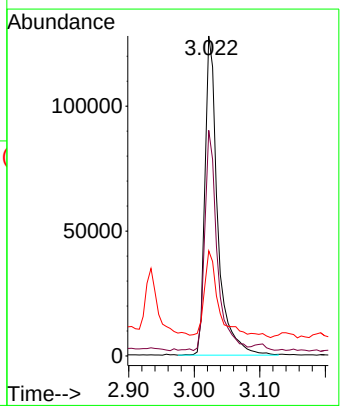
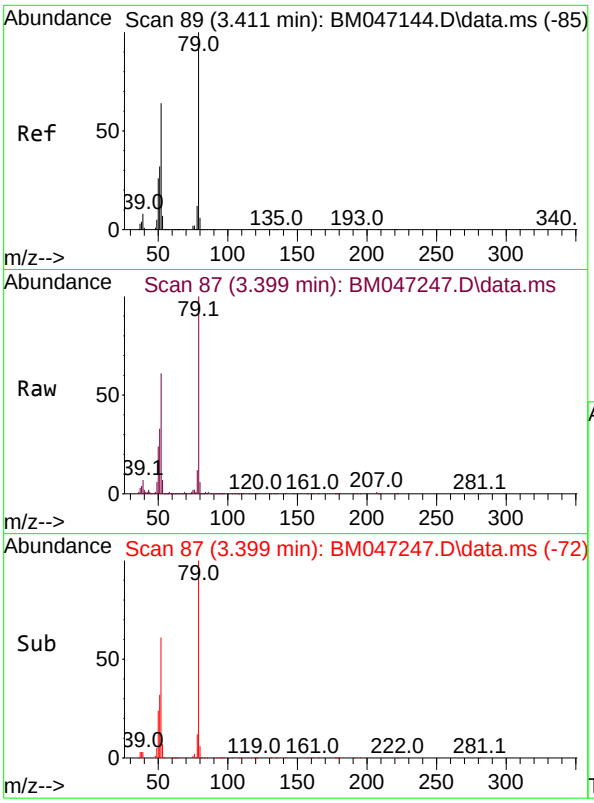


#2
1,4-Dioxane
Concen: 27.074 ng
RT: 3.022 min Scan# 23
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 88 Resp: 174375

Ion	Ratio	Lower	Upper
88	100		
58	66.7	58.2	87.4
43	31.1	22.5	33.7

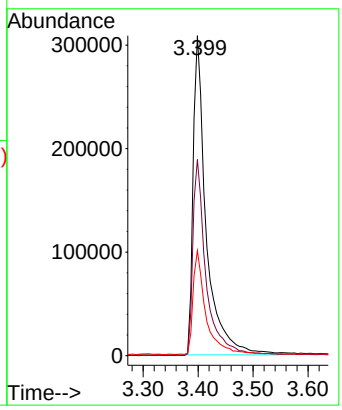




#3
Pyridine
Concen: 27.075 ng
RT: 3.399 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 79 Resp: 51135

Ion	Ratio	Lower	Upper
79	100		
52	61.3	51.2	76.8
51	32.8	26.1	39.1



Instrument :
BNA_M
ClientSampleId :
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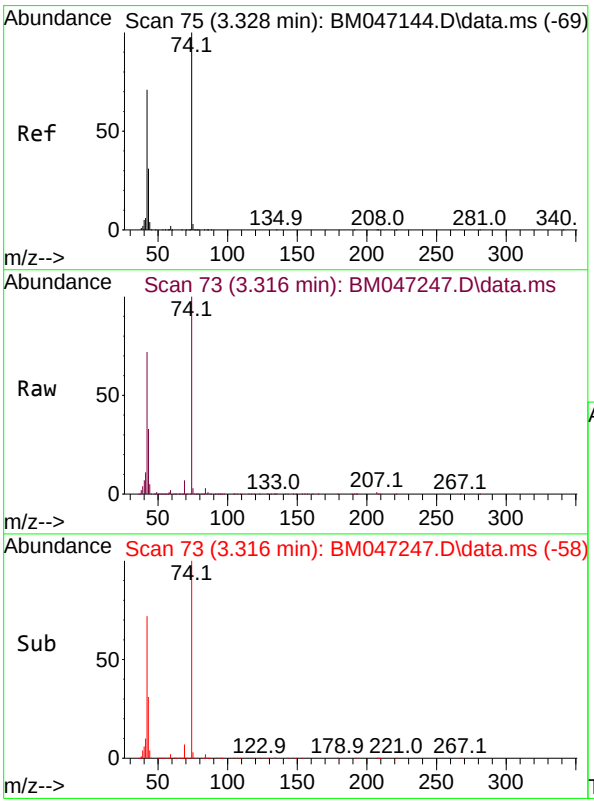
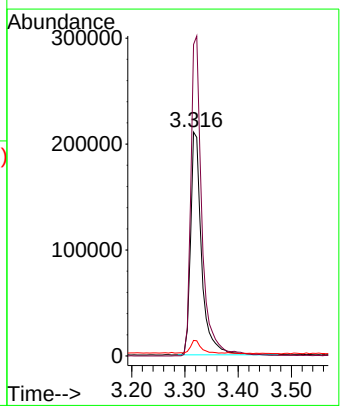
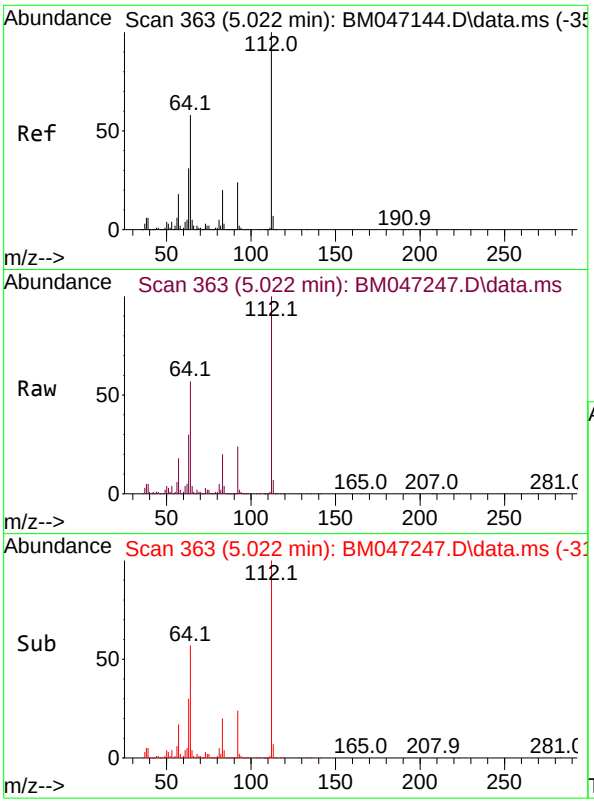


#4
n-Nitrosodimethylamine
Concen: 36.672 ng
RT: 3.316 min Scan# 73
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 42 Resp: 302594

Ion	Ratio	Lower	Upper
42	100		
74	139.2	112.9	169.3
44	7.0	5.3	7.9

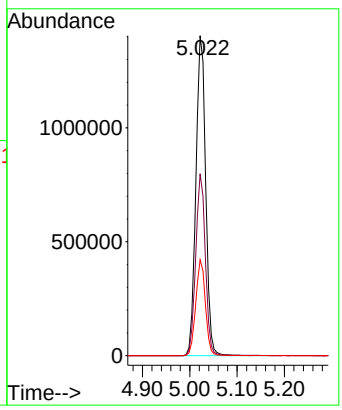




#5
2-Fluorophenol
Concen: 129.882 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:112 Resp: 201895(

Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.7	70.1
63	29.9	24.8	37.2



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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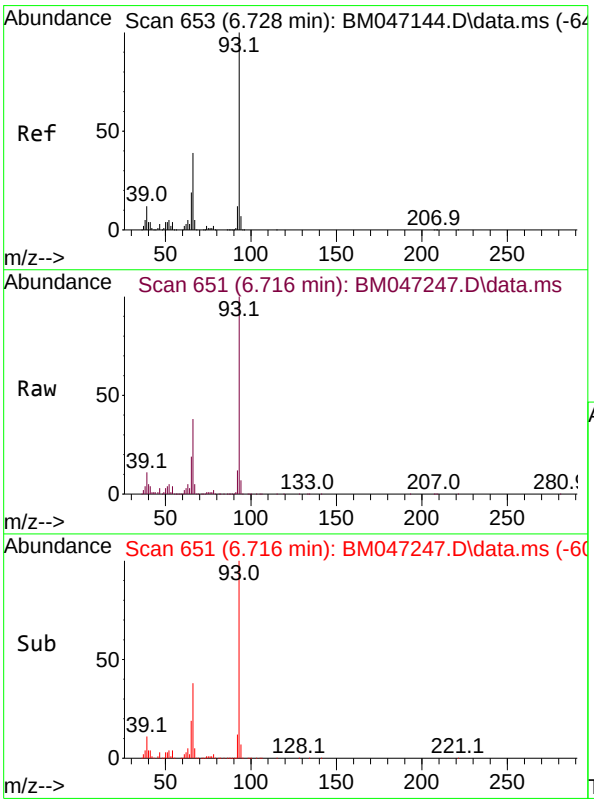
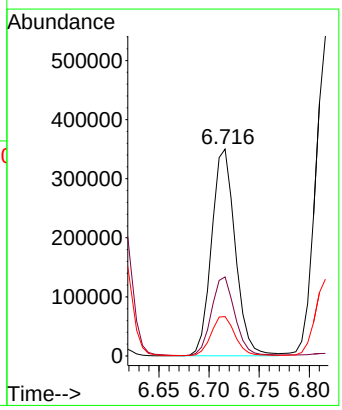
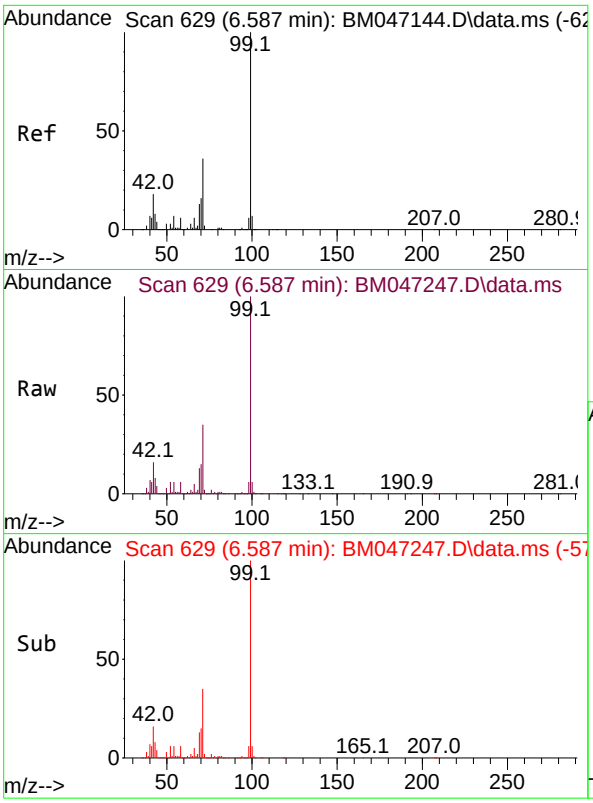


#6
Aniline
Concen: 28.389 ng
RT: 6.716 min Scan# 651
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 93 Resp: 574735

Ion	Ratio	Lower	Upper
93	100		
66	38.2	31.4	47.2
65	19.0	15.6	23.4

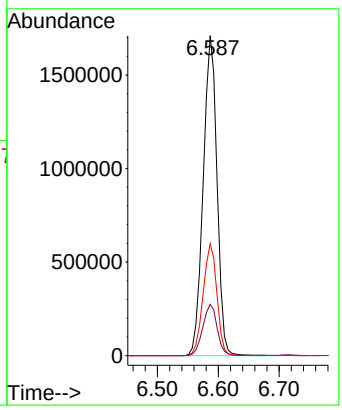




#7
Phenol-d6
Concen: 125.920 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 99 Resp: 269708

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.1	21.1
71	35.0	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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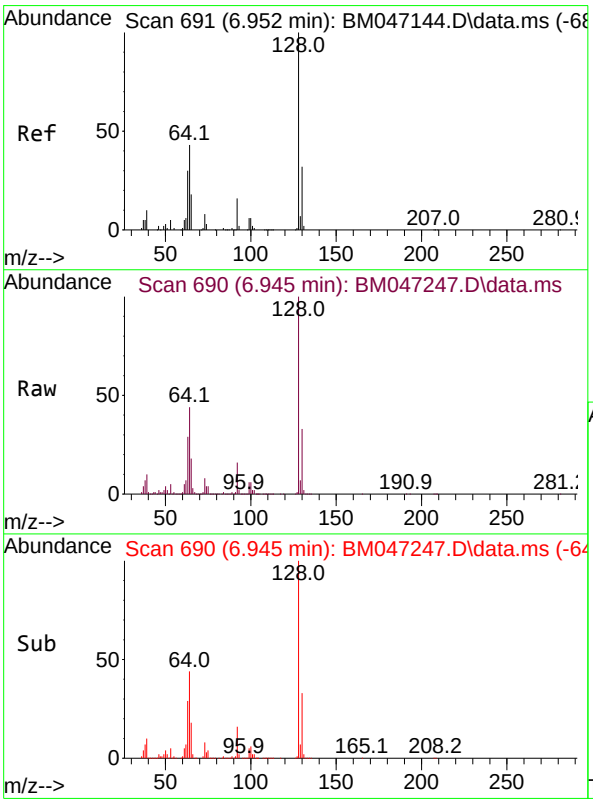
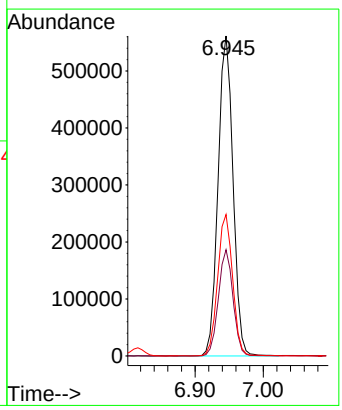
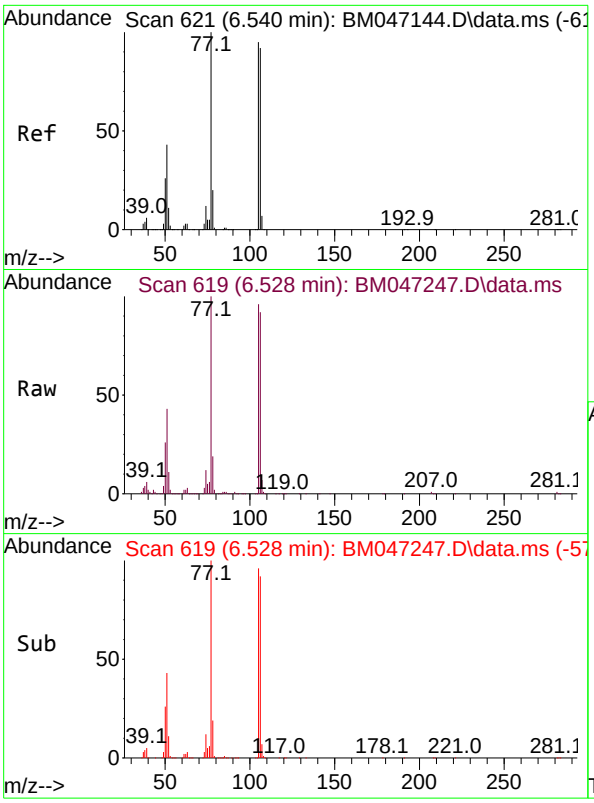


#8
2-Chlorophenol
Concen: 50.553 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:128 Resp: 857074

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.1	52.1
64	44.2	26.6	66.6

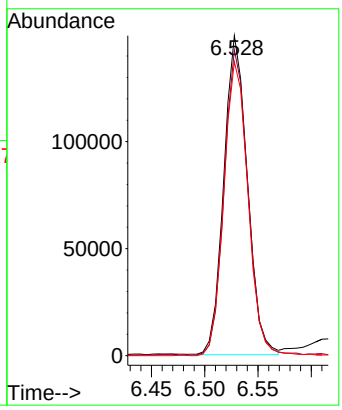




#9
Benzaldehyde
Concen: 16.239 ng
RT: 6.528 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 77 Resp: 22948

Ion	Ratio	Lower	Upper
77	100		
105	95.5	74.5	114.5
106	91.9	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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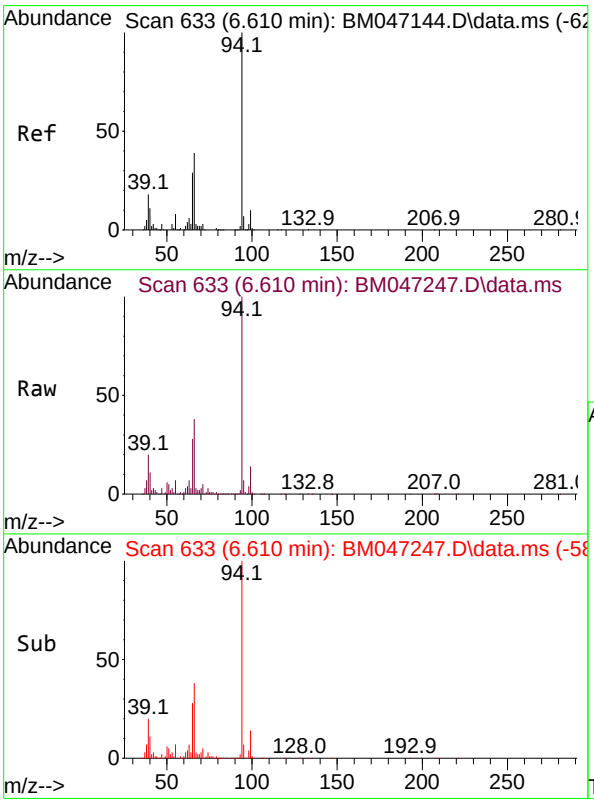
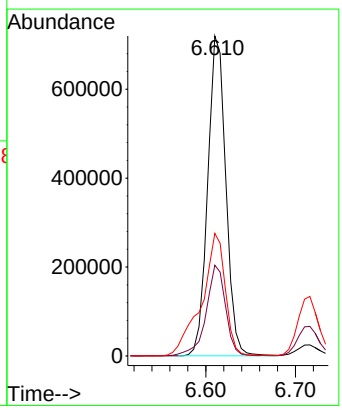
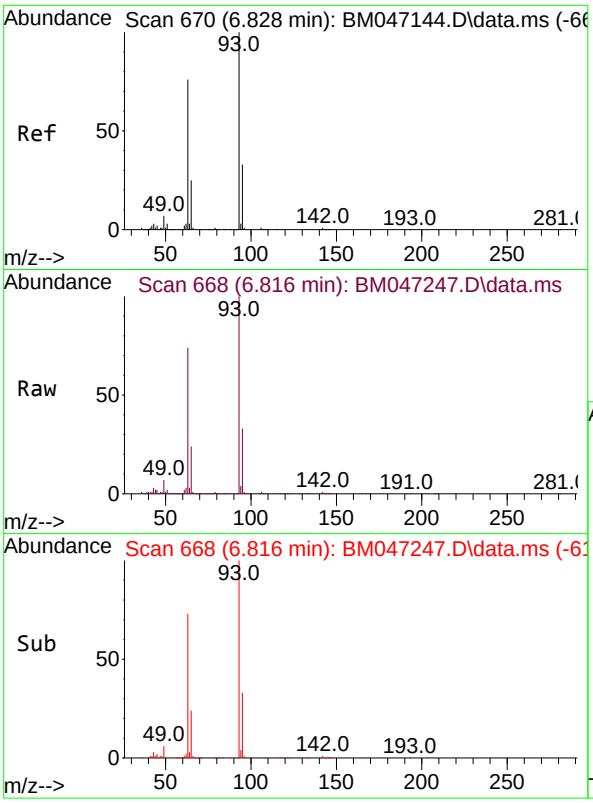


#10
Phenol
Concen: 47.265 ng
RT: 6.610 min Scan# 633
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 94 Resp: 1010163

Ion	Ratio	Lower	Upper
94	100		
65	28.4	9.0	49.0
66	38.3	18.9	58.9

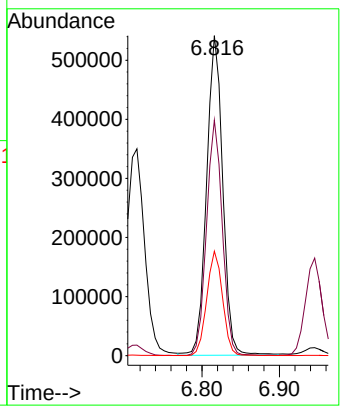




#11
bis(2-Chloroethyl)ether
Concen: 42.777 ng
RT: 6.816 min Scan# 6(
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 93 Resp: 78293

Ion	Ratio	Lower	Upper
93	100		
63	73.6	55.8	95.8
95	32.7	12.7	52.7



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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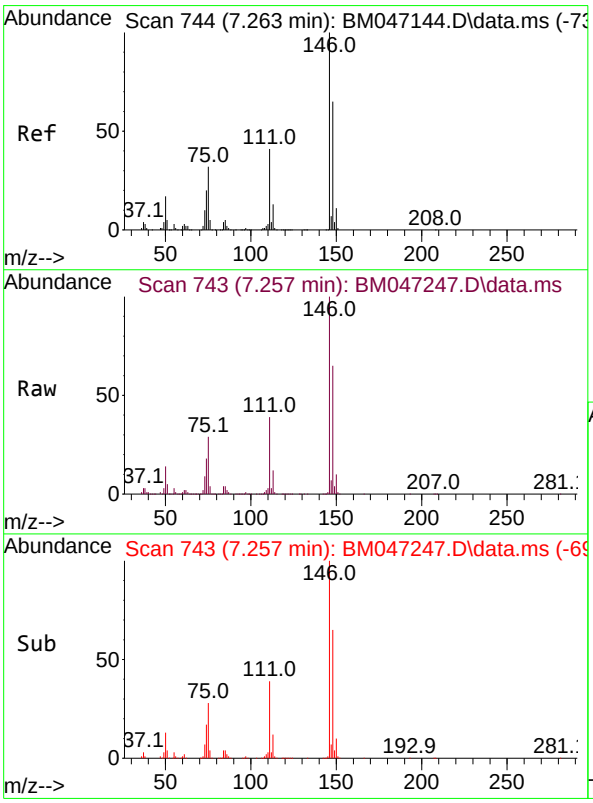
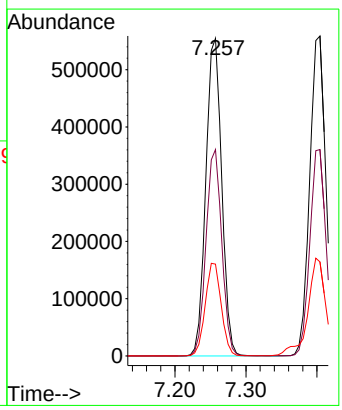
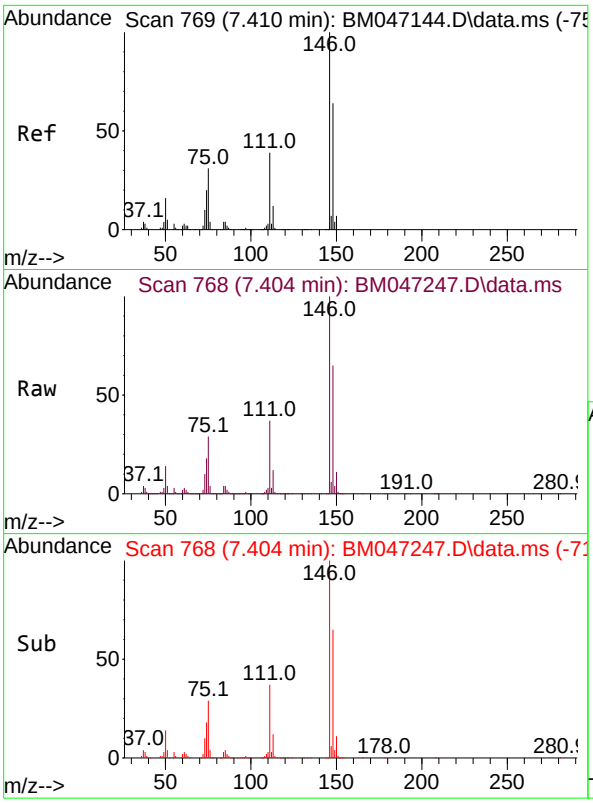


#12
1,3-Dichlorobenzene
Concen: 42.791 ng
RT: 7.257 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:146 Resp: 862091

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.3	78.5
75	28.9	25.8	38.6

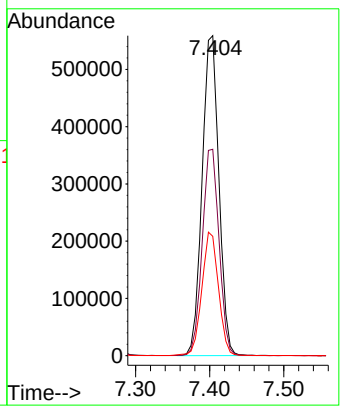




#13
1,4-Dichlorobenzene
Concen: 43.070 ng
RT: 7.404 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:146 Resp: 87854

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	37.3	31.5	47.3



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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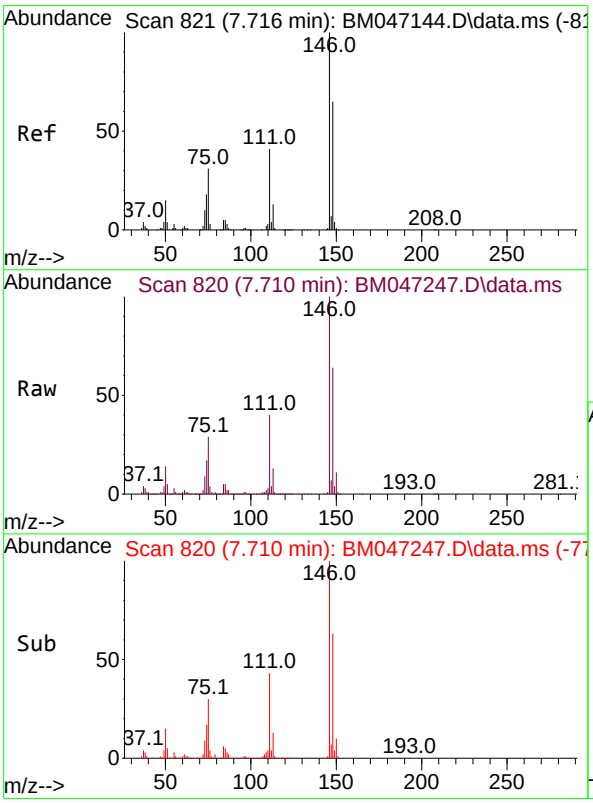
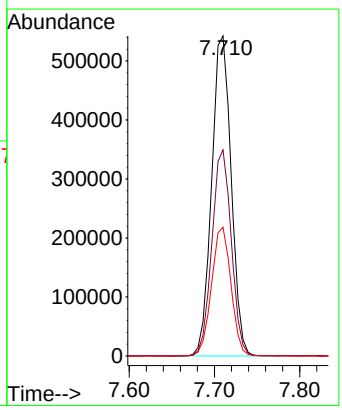
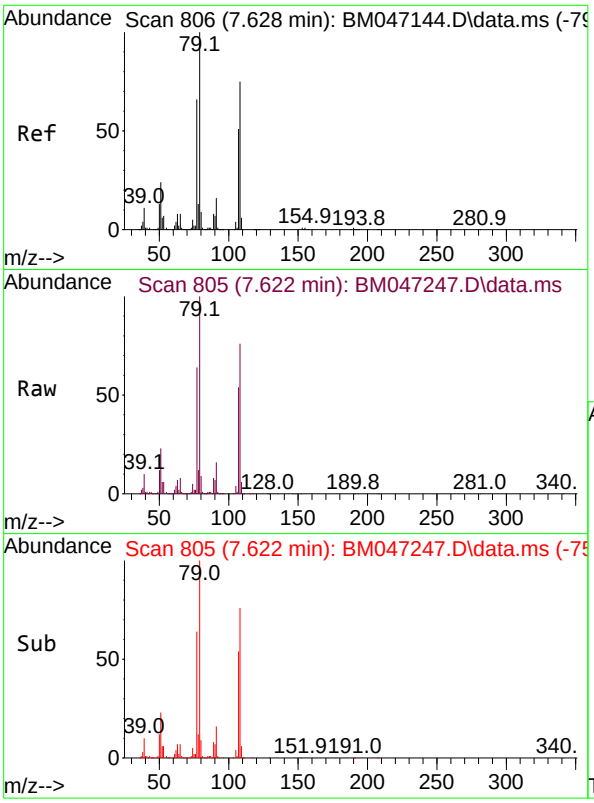


#14
1,2-Dichlorobenzene
Concen: 44.920 ng
RT: 7.710 min Scan# 820
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:146 Resp: 864556

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
111	40.3	33.3	49.9





#15
Benzyl Alcohol
Concen: 50.455 ng
RT: 7.622 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 79 Resp: 76913

Ion	Ratio	Lower	Upper
79	100		
108	75.9	59.7	89.5
77	64.5	52.9	79.3

Instrument :
BNA_M
ClientSampleId :
PB162722BS

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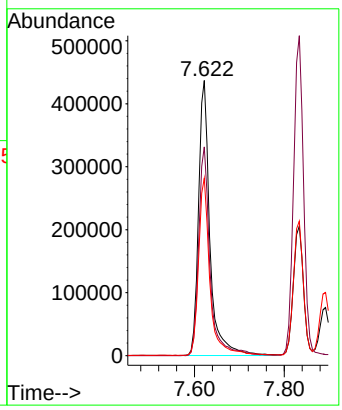
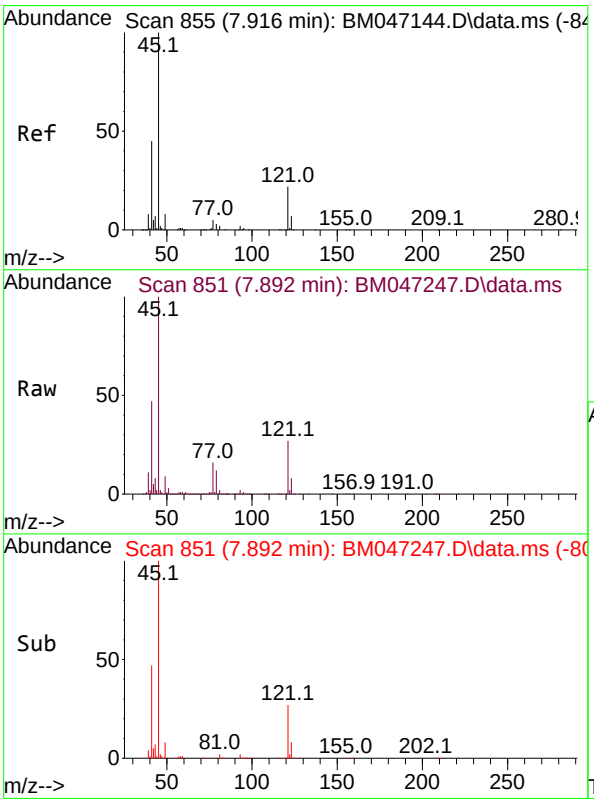
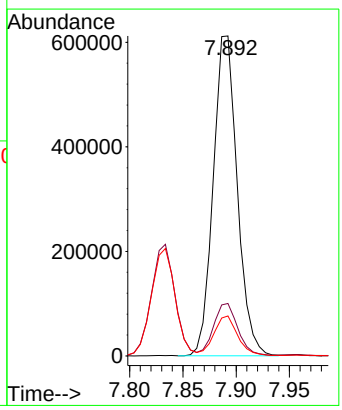


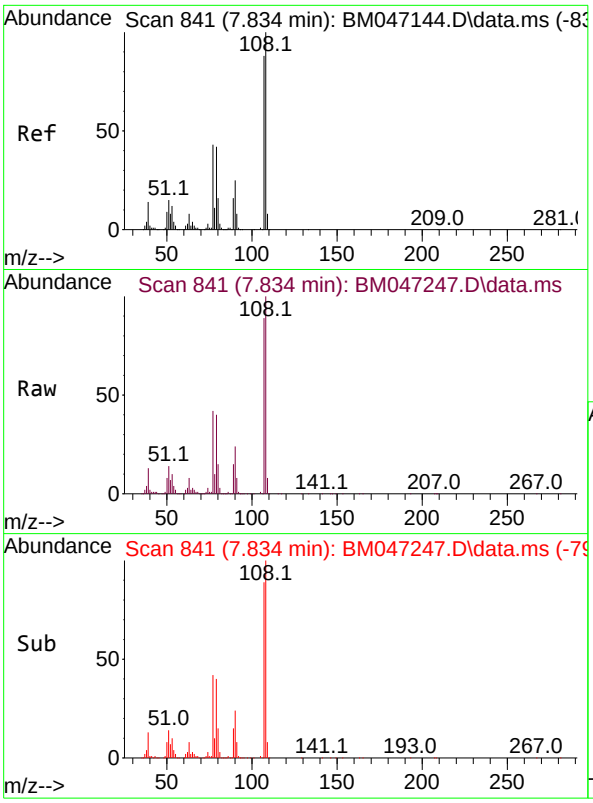


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.953 ng
RT: 7.892 min Scan# 851
Delta R.T. -0.024 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 45 Resp: 961825

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	35.6
79	12.5	0.0	32.4

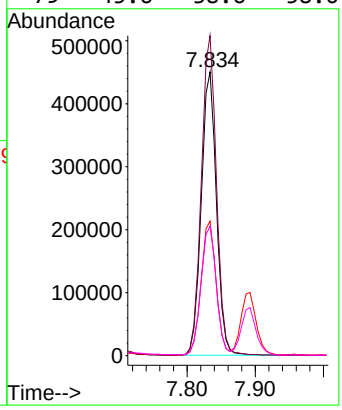




#17
2-Methylphenol
Concen: 48.678 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:107 Resp: 694069

Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	135.8
77	47.4	39.3	58.9
79	45.6	38.6	58.0



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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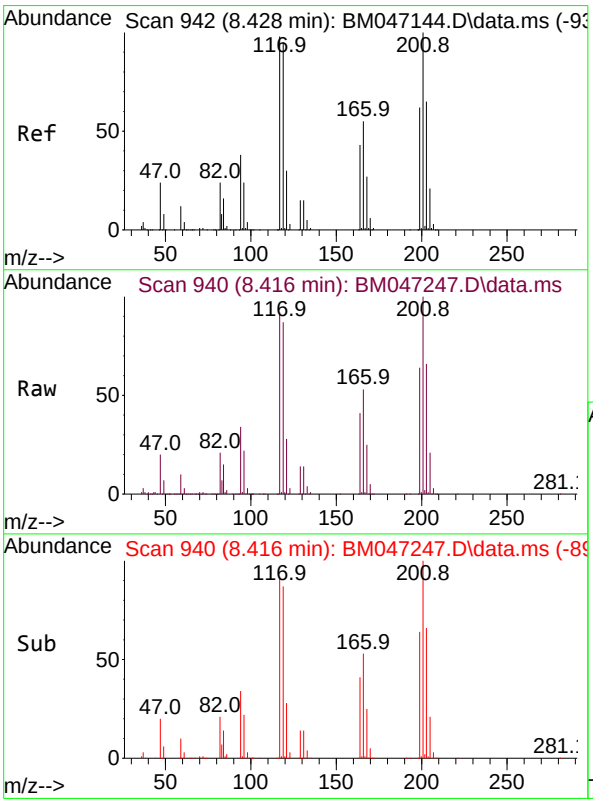
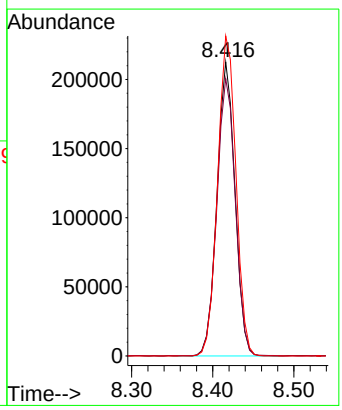
Supervised By :mohammad ahmed 08/21/2024

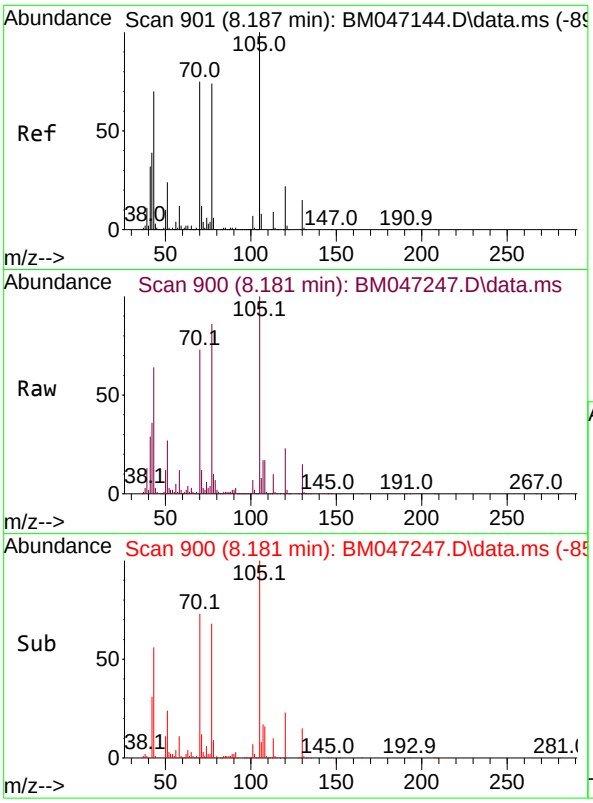


#18
Hexachloroethane
Concen: 41.579 ng
RT: 8.416 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:117 Resp: 328533

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.0	115.4
201	108.9	81.3	121.9

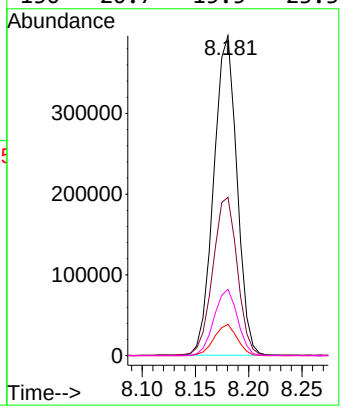




#19
n-Nitroso-di-n-propylamine
Concen: 41.546 ng
RT: 8.181 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 70 Resp: 59940

Ion	Ratio	Lower	Upper
70	100		
42	49.5	42.0	63.0
101	9.8	7.2	10.8
130	20.7	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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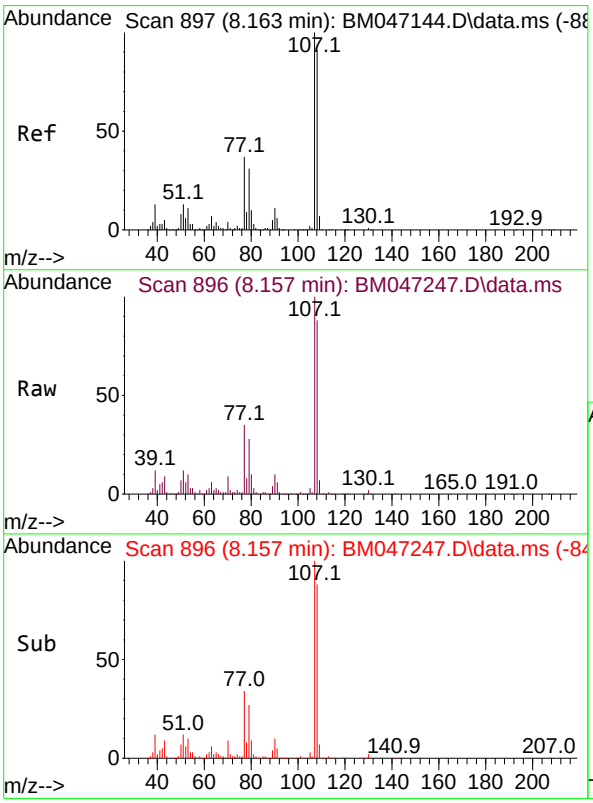
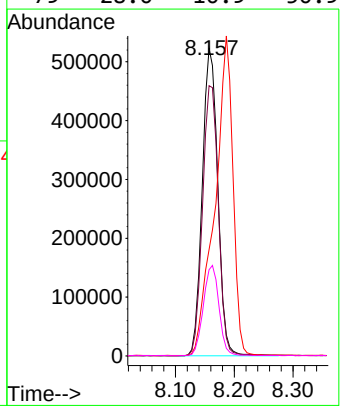
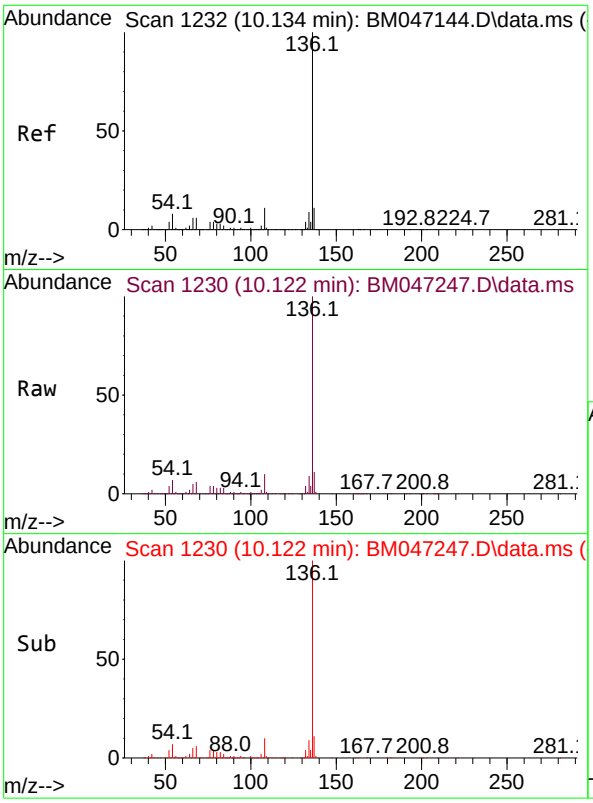


#20
3+4-Methylphenols
Concen: 48.050 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:107 Resp: 957813

Ion	Ratio	Lower	Upper
107	100		
108	87.8	70.7	110.7
77	34.6	17.4	57.4
79	28.0	10.9	50.9

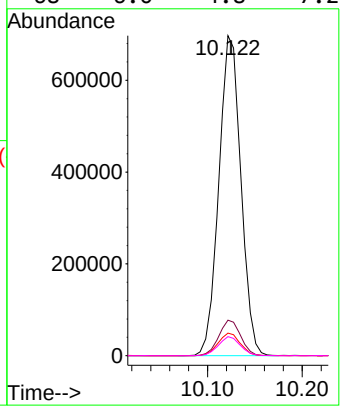




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:136 Resp: 112809

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.0	6.0	9.0
68	6.0	4.8	7.2



Instrument :
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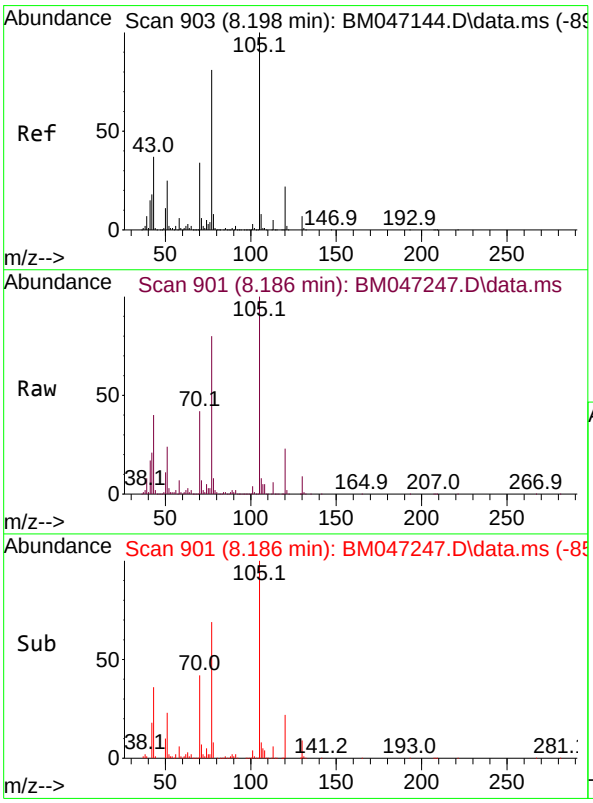
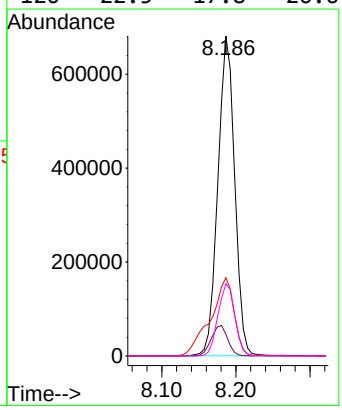
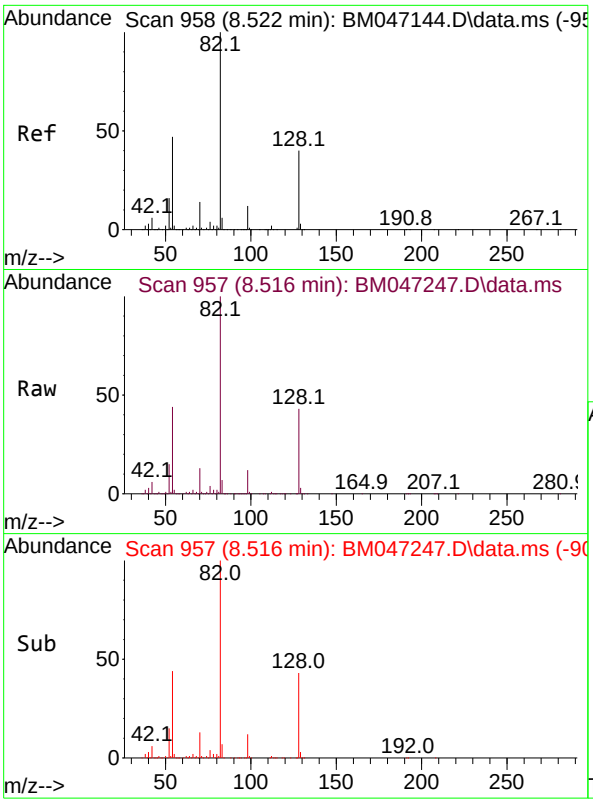


#22
Acetophenone
Concen: 39.483 ng
RT: 8.186 min Scan# 901
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:105 Resp: 1075144

Ion	Ratio	Lower	Upper
105	100		
71	6.8	4.5	6.7#
51	24.5	20.1	30.1
120	22.5	17.8	26.6

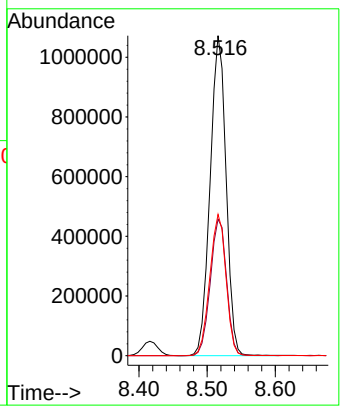




#23
Nitrobenzene-d5
Concen: 77.983 ng
RT: 8.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 82 Resp: 174710

Ion	Ratio	Lower	Upper
82	100		
128	42.7	32.3	48.5
54	44.2	37.4	56.2



Instrument :
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ClientSampleId :
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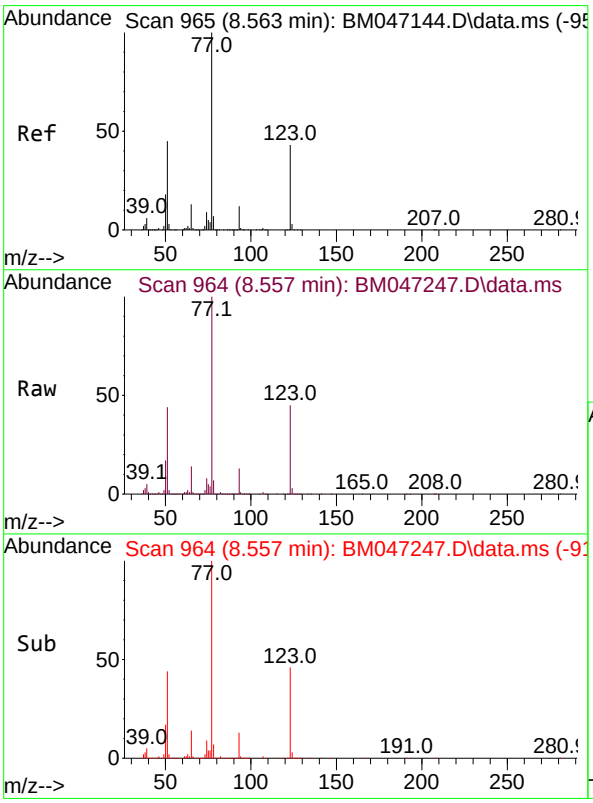
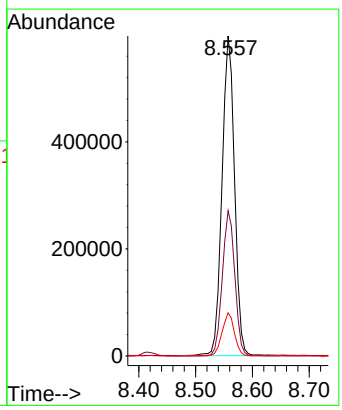
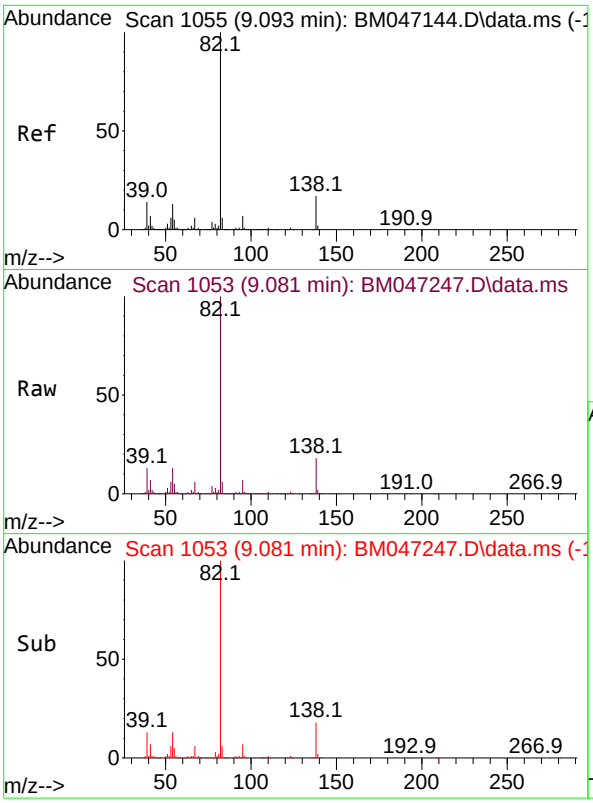


#24
Nitrobenzene
Concen: 40.767 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 77 Resp: 919665

Ion	Ratio	Lower	Upper
77	100		
123	45.4	34.0	51.0
65	13.5	10.5	15.7





#25
Isophorone
Concen: 44.679 ng
RT: 9.081 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 82 Resp: 174284

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	17.9	13.5	20.3

Instrument :
BNA_M
ClientSampleId :
PB162722BS

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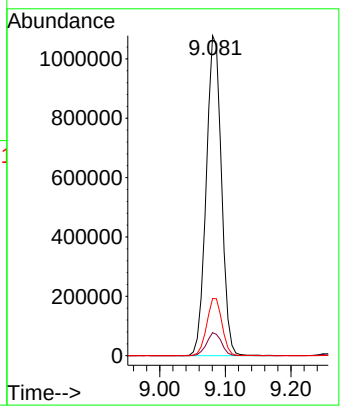
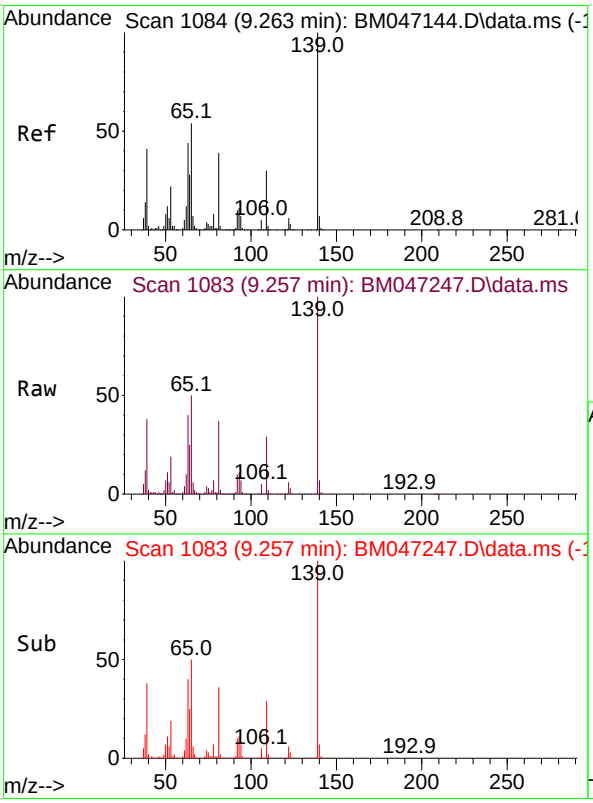
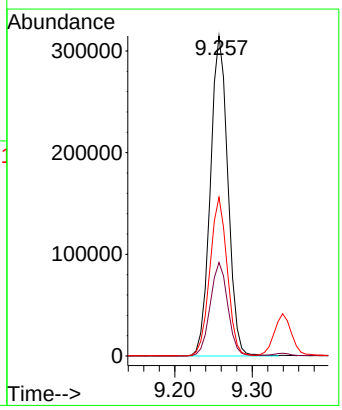


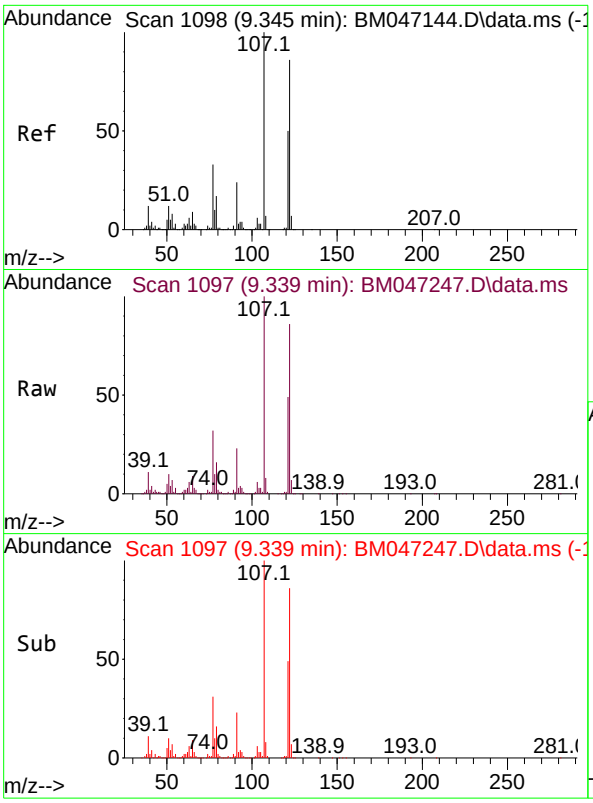


#26
2-Nitrophenol
Concen: 49.425 ng
RT: 9.257 min Scan# 1083
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:139 Resp: 493792

Ion	Ratio	Lower	Upper
139	100		
109	29.2	24.4	36.6
65	49.6	43.0	64.6

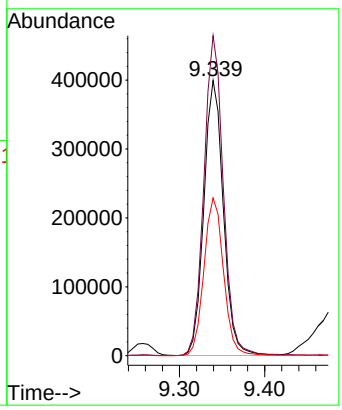




#27
2,4-Dimethylphenol
Concen: 54.318 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:122 Resp: 63568

Ion	Ratio	Lower	Upper
122	100		
107	116.3	92.8	139.2
121	57.3	46.1	69.1



Instrument :
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ClientSampleId :
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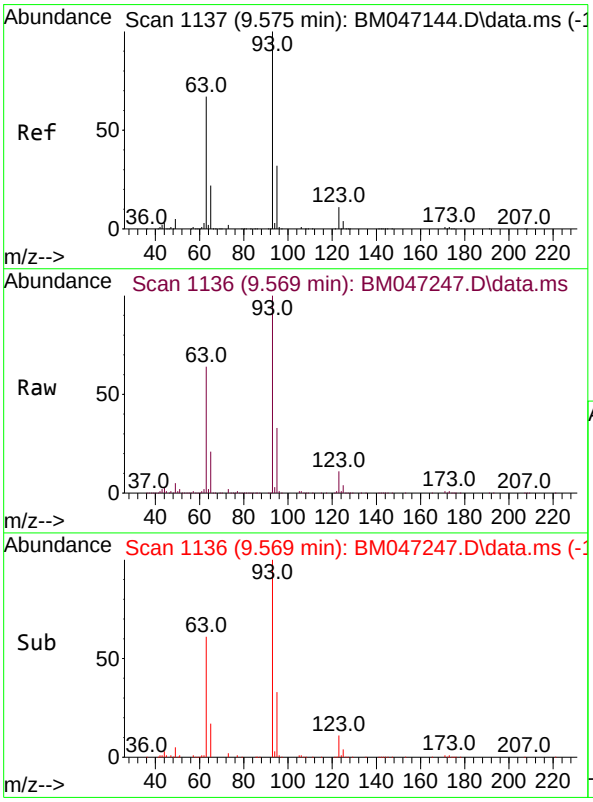
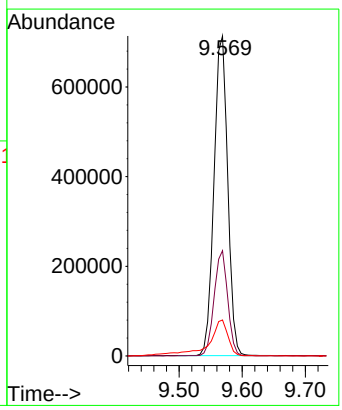
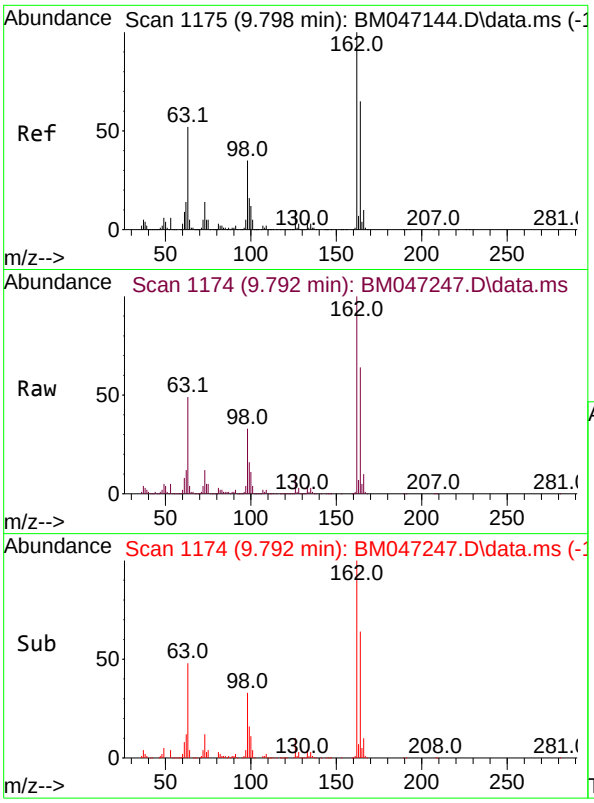


#28
bis(2-Chloroethoxy)methane
Concen: 43.689 ng
RT: 9.569 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 93 Resp: 1072334

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.8
123	11.2	9.0	13.4

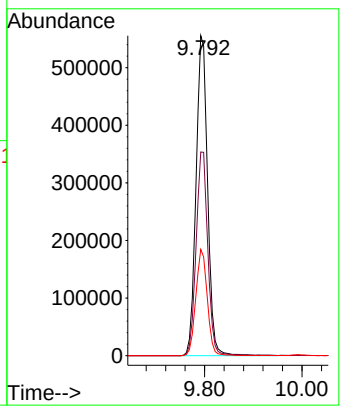




#29
2,4-Dichlorophenol
Concen: 52.959 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:162 Resp: 91960

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.7	84.7
98	33.2	14.9	54.9



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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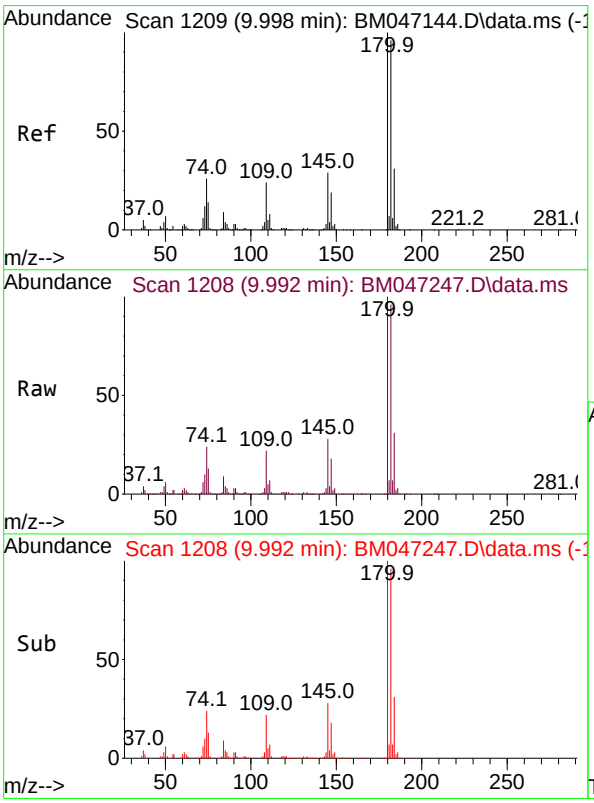
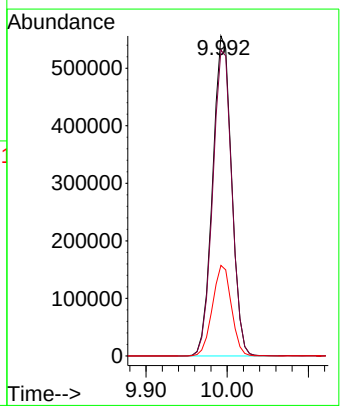
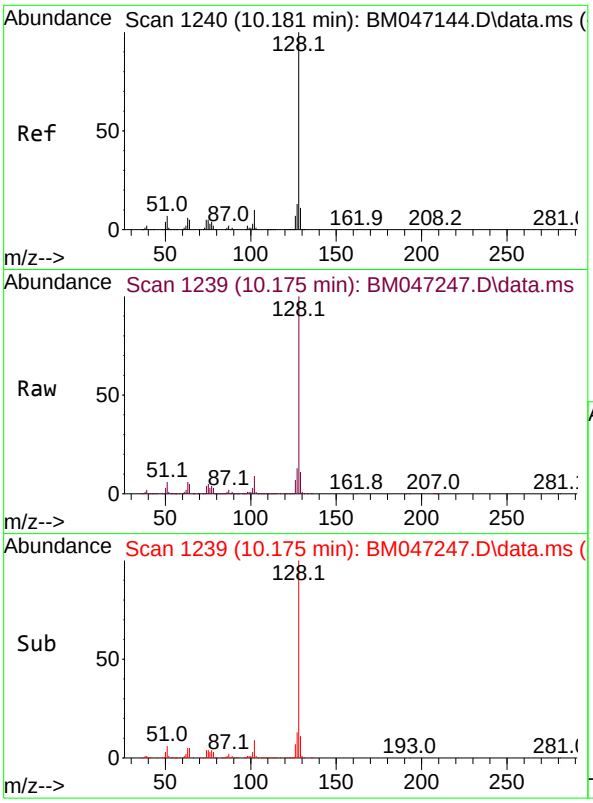


#30
1,2,4-Trichlorobenzene
Concen: 46.029 ng
RT: 9.992 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:180 Resp: 904506

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
145	28.3	23.4	35.2

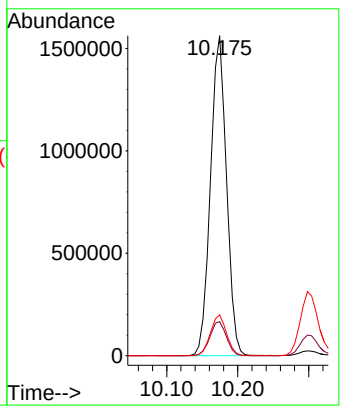




#31
Naphthalene
Concen: 43.501 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:128 Resp: 244466

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
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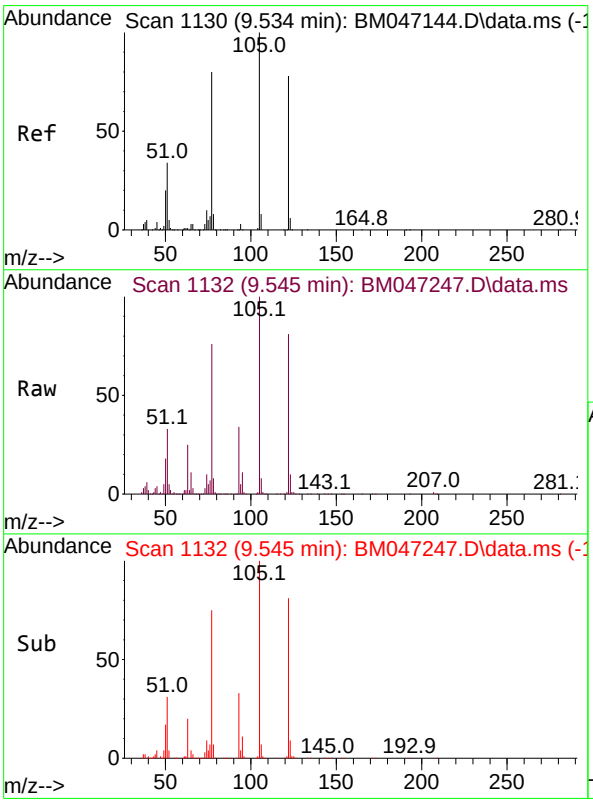
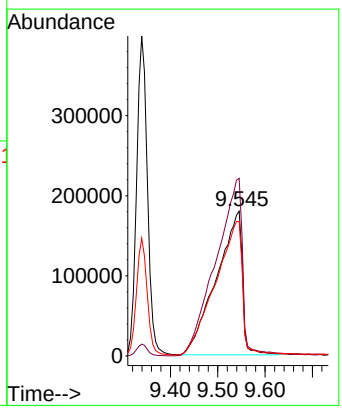
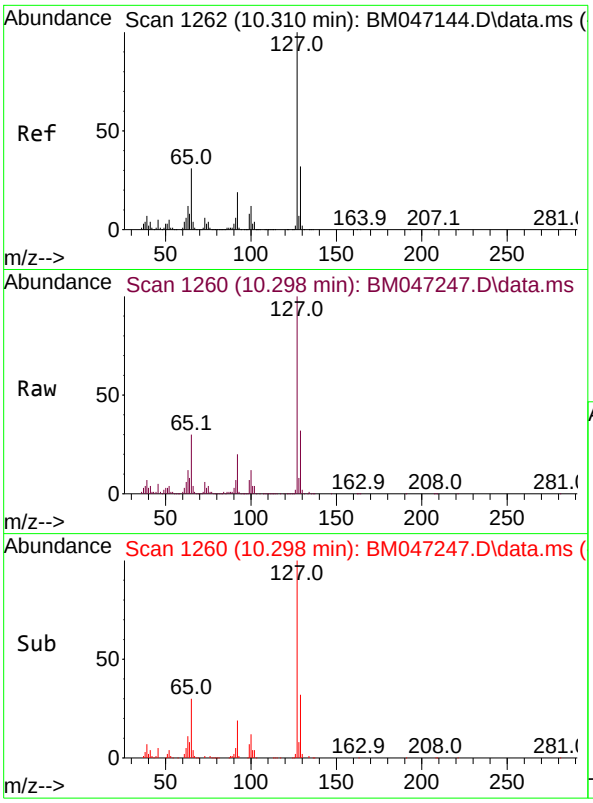


#32
Benzoic acid
Concen: 50.347 ng
RT: 9.545 min Scan# 1132
Delta R.T. 0.011 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:122 Resp: 684543

Ion	Ratio	Lower	Upper
122	100		
105	122.7	107.1	147.1
77	92.9	82.1	122.1

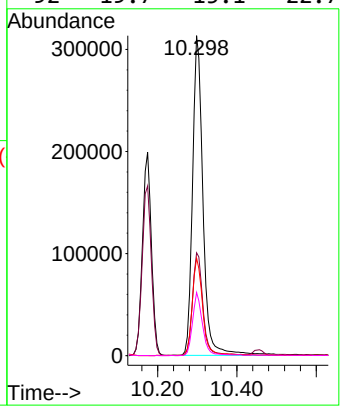




#33
4-Chloroaniline
Concen: 26.663 ng
RT: 10.298 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:127 Resp: 57621

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.8
65	30.5	24.9	37.3
92	19.7	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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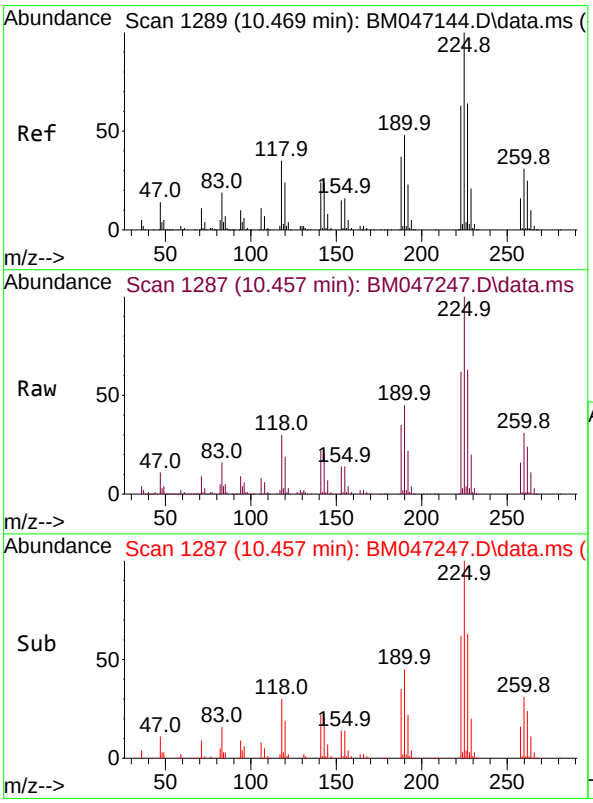
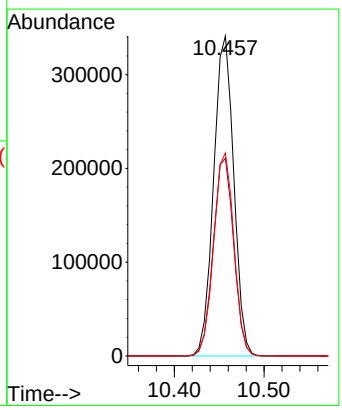
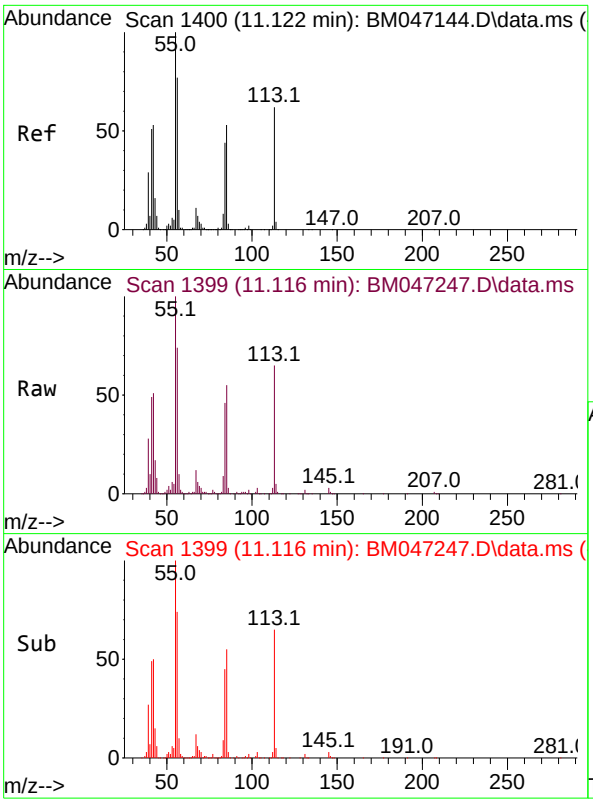


#34
Hexachlorobutadiene
Concen: 46.204 ng
RT: 10.457 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:225 Resp: 531430

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.2	75.2
227	63.4	51.4	77.0

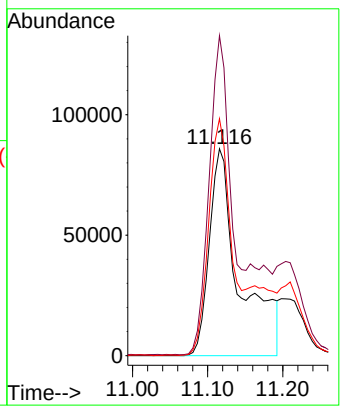




#35
Caprolactam
Concen: 39.767 ng m
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:113 Resp: 23981

Ion	Ratio	Lower	Upper
113	100		
55	154.7	140.5	180.5
56	114.5	103.6	143.6



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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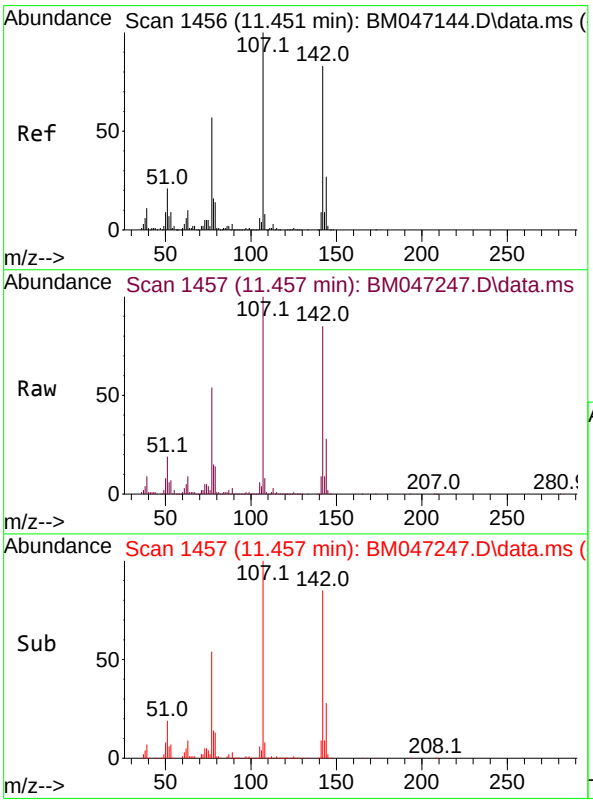
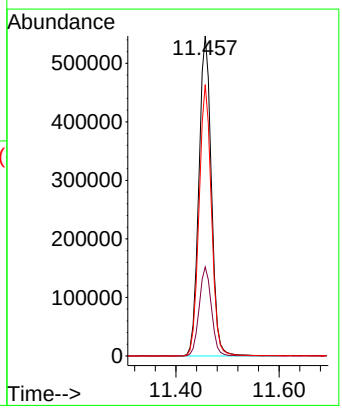
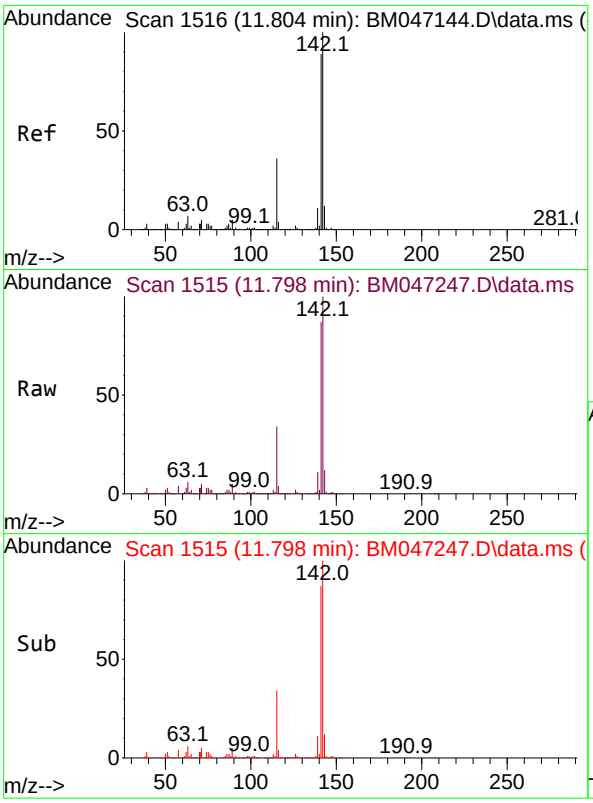


#36
4-Chloro-3-methylphenol
Concen: 49.589 ng
RT: 11.457 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:107 Resp: 917053

Ion	Ratio	Lower	Upper
107	100		
144	27.8	21.8	32.6
142	84.8	66.8	100.2

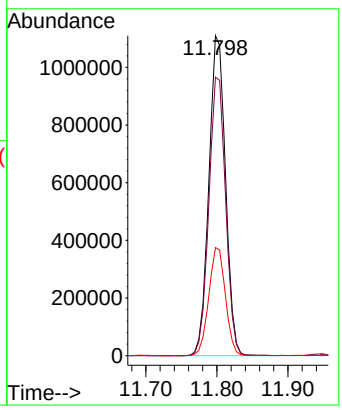




#37
2-Methylnaphthalene
Concen: 45.103 ng
RT: 11.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:142 Resp: 180470

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.9	106.3
115	33.8	28.7	43.1



Instrument :
BNA_M
ClientSampleId :
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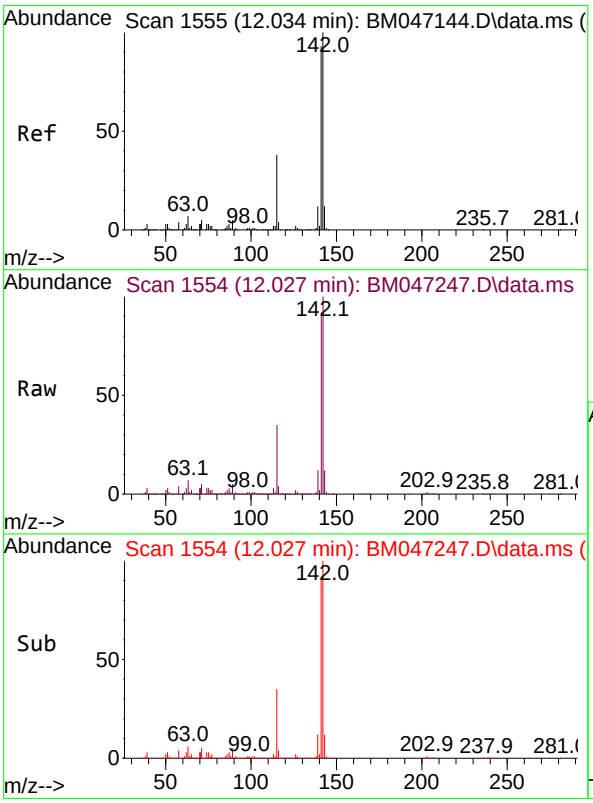
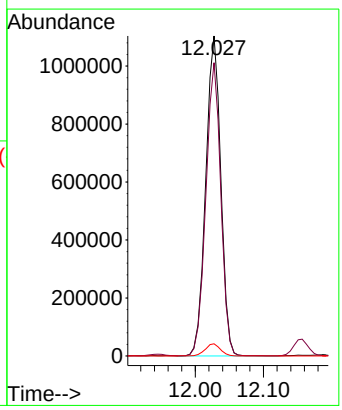
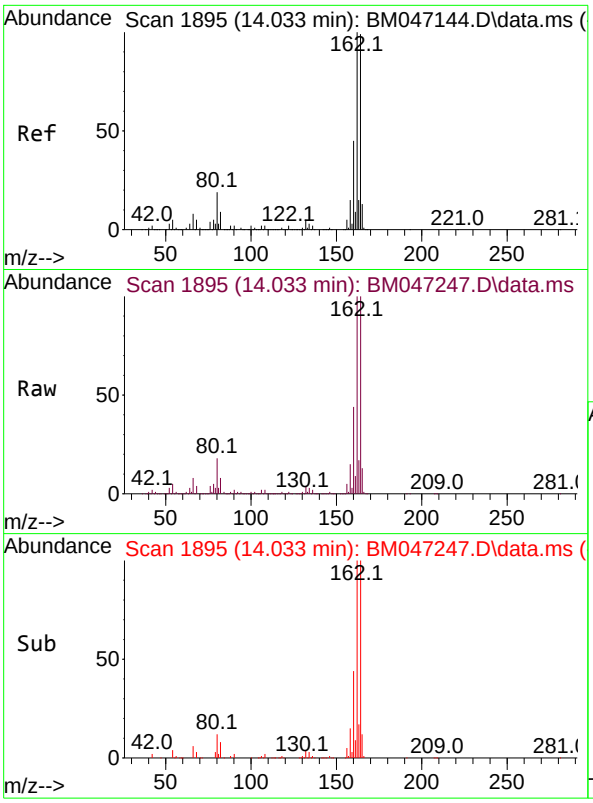


#38
1-Methylnaphthalene
Concen: 42.830 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:142 Resp: 1693690

Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.6	111.8
116	3.8	3.1	4.7

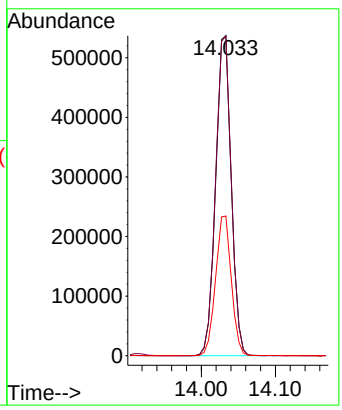




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:164 Resp: 78263

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.7	121.1
160	43.6	36.0	54.0



Instrument :
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ClientSampleId :
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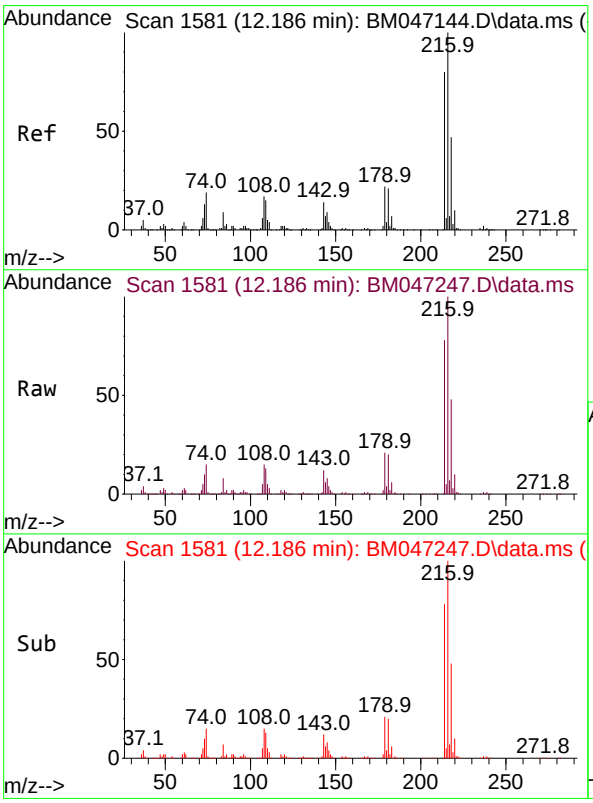
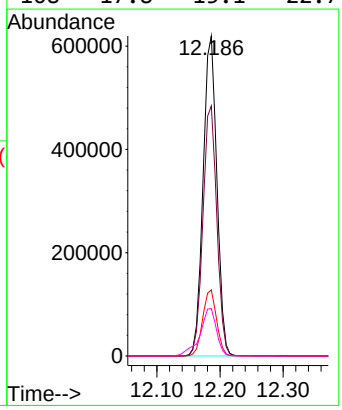
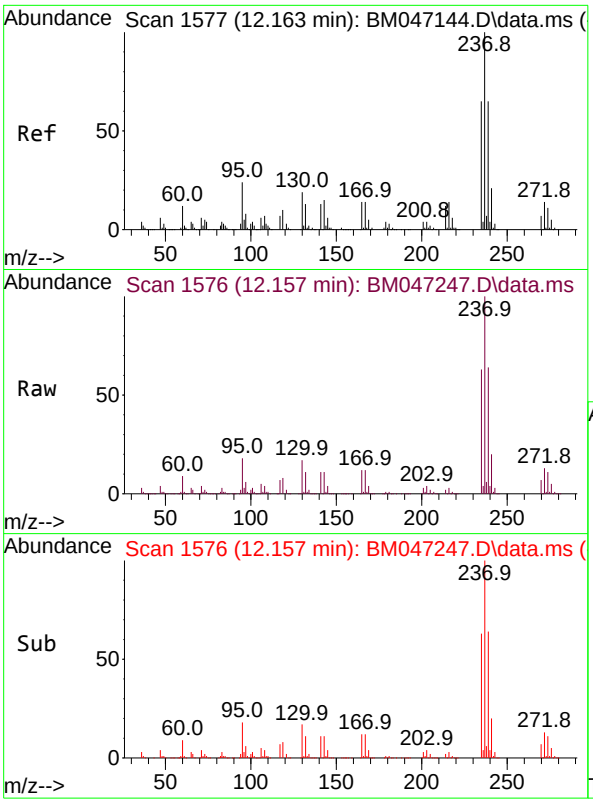


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.062 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:216 Resp: 940589

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.4	95.2
179	20.8	17.6	26.4
108	17.8	15.1	22.7

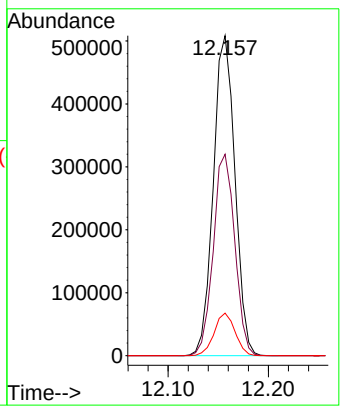




#41
Hexachlorocyclopentadiene
Concen: 101.784 ng
RT: 12.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:237 Resp: 75869

Ion	Ratio	Lower	Upper
237	100		
235	62.9	44.8	84.8
272	13.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
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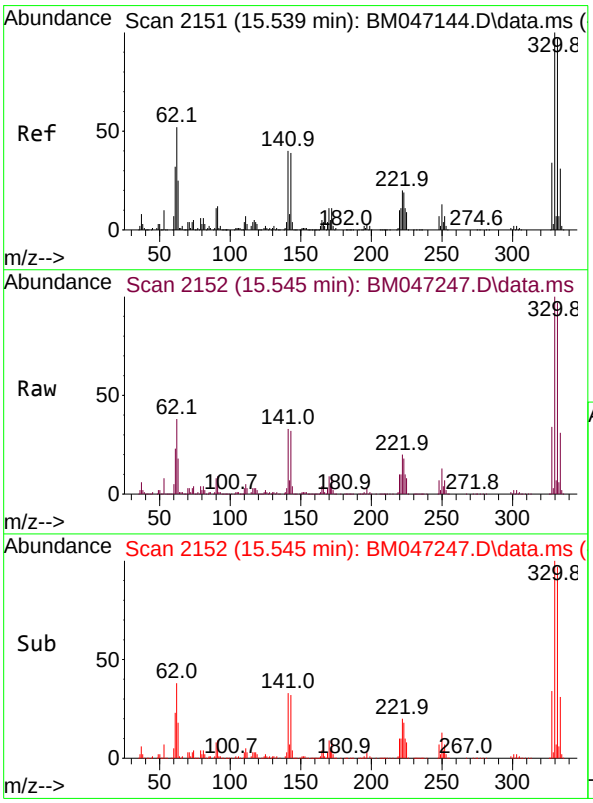
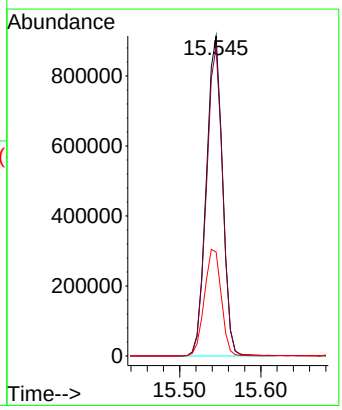
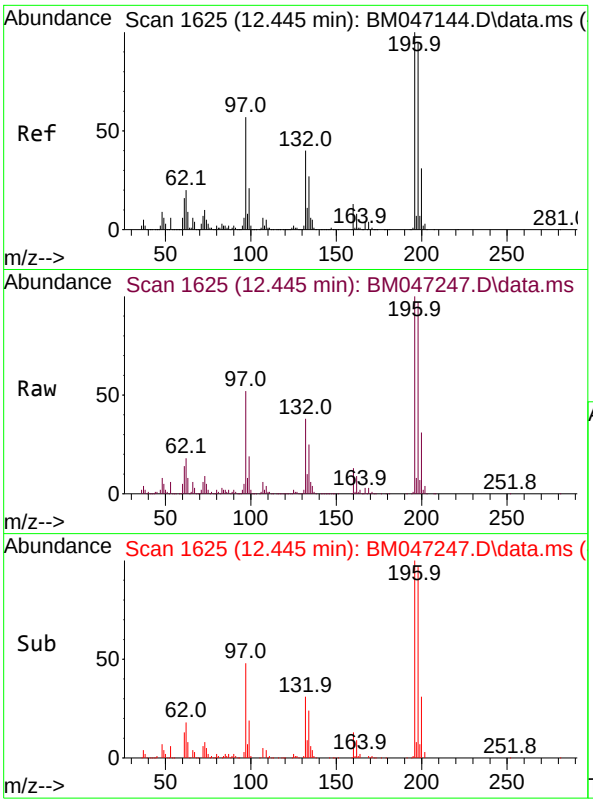


#42
2,4,6-Tribromophenol
Concen: 139.323 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:330 Resp: 1264332

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	34.7	31.6	47.4

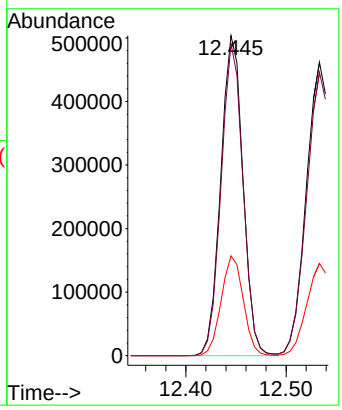




#43
2,4,6-Trichlorophenol
Concen: 50.999 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:196 Resp: 77378

Ion	Ratio	Lower	Upper
196	100		
198	97.5	75.6	113.4
200	31.2	24.6	37.0



Instrument :
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ClientSampleId :
PB162722BS

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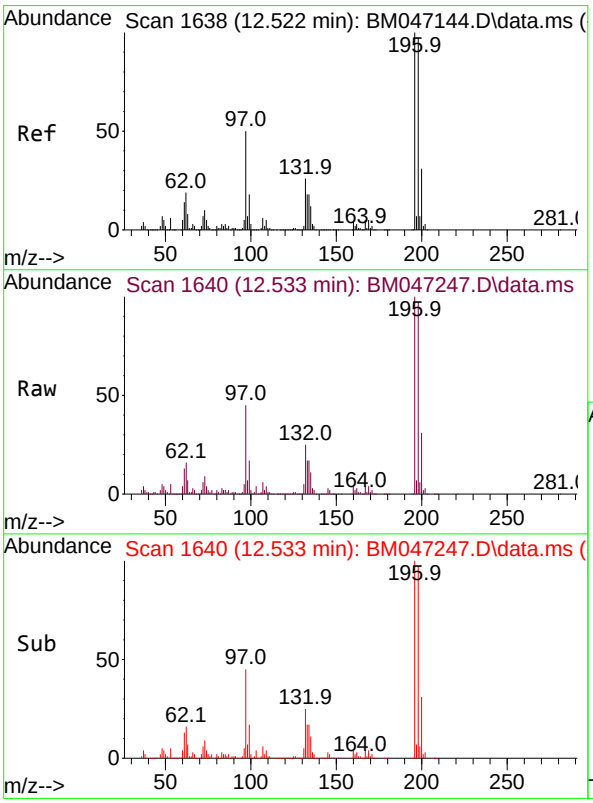
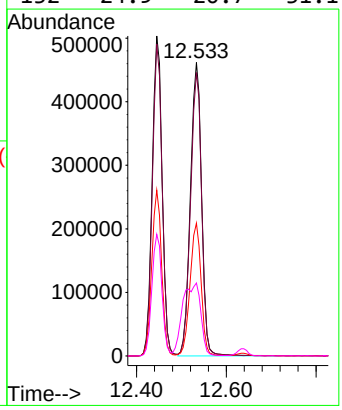
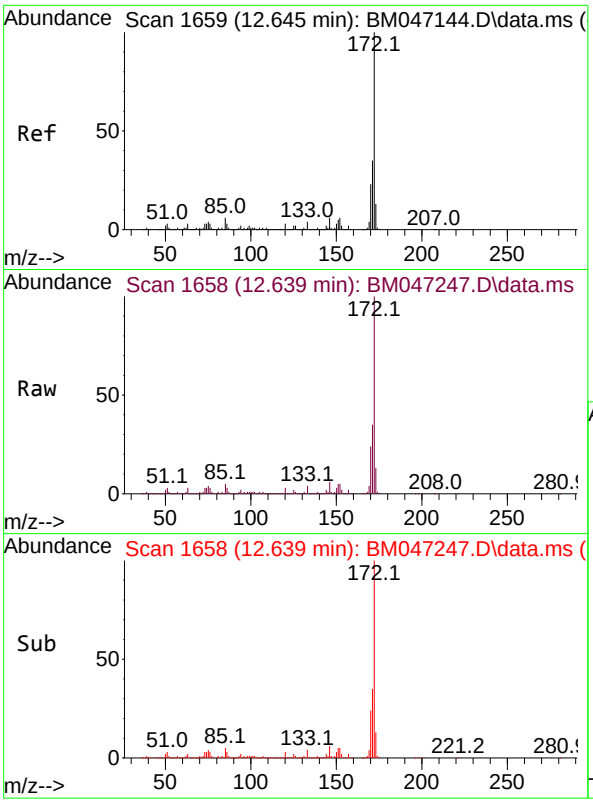


#44
2,4,5-Trichlorophenol
Concen: 47.420 ng
RT: 12.533 min Scan# 1640
Delta R.T. 0.011 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:196 Resp: 798852

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.7	116.5
97	45.3	39.8	59.8
132	24.9	20.7	31.1

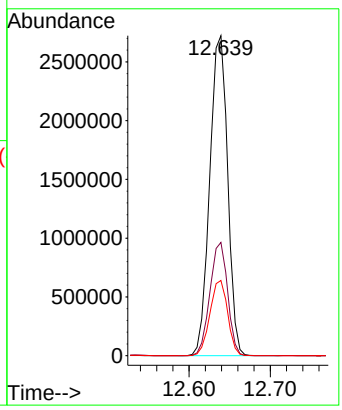




#45
2-Fluorobiphenyl
Concen: 82.127 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:172 Resp: 416690

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.6
170	23.5	18.7	28.1



Instrument :
BNA_M
ClientSampleId :
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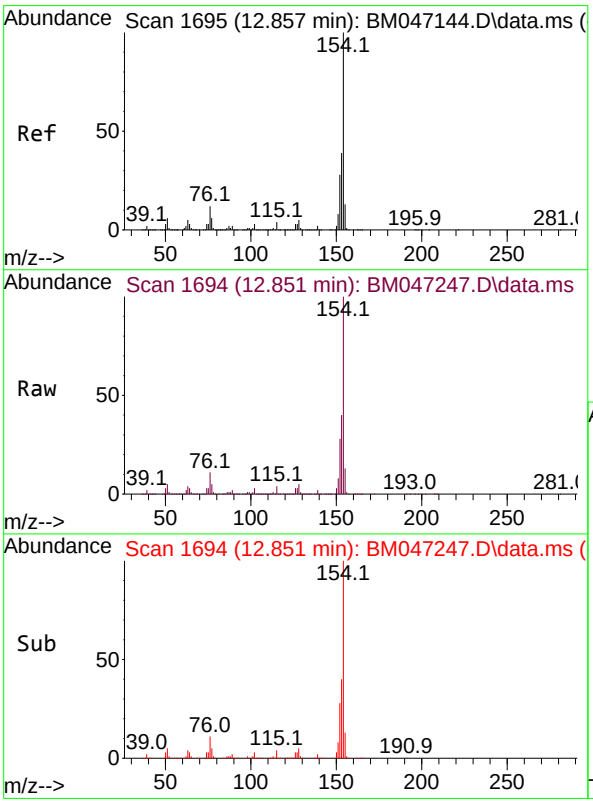
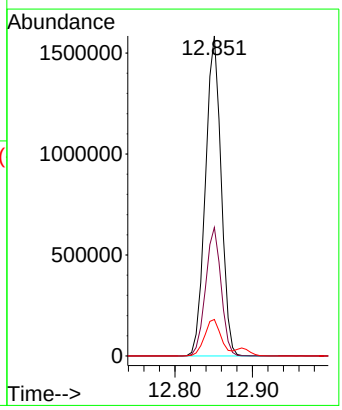
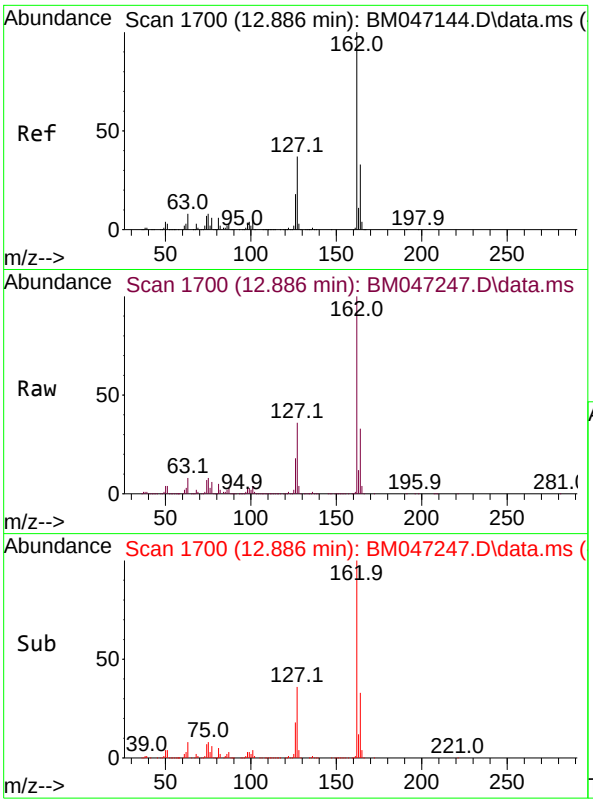


#46
1,1'-Biphenyl
Concen: 39.929 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:154 Resp: 2224711

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.0	59.0
76	11.4	0.0	31.9

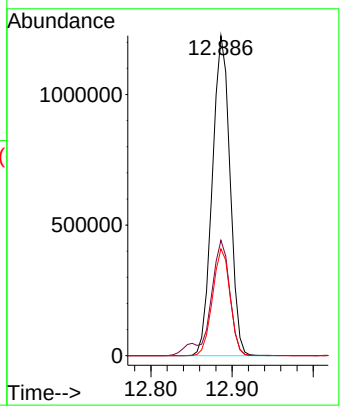




#47
2-Chloronaphthalene
Concen: 42.642 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:162 Resp: 185700

Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.0	45.0
164	33.4	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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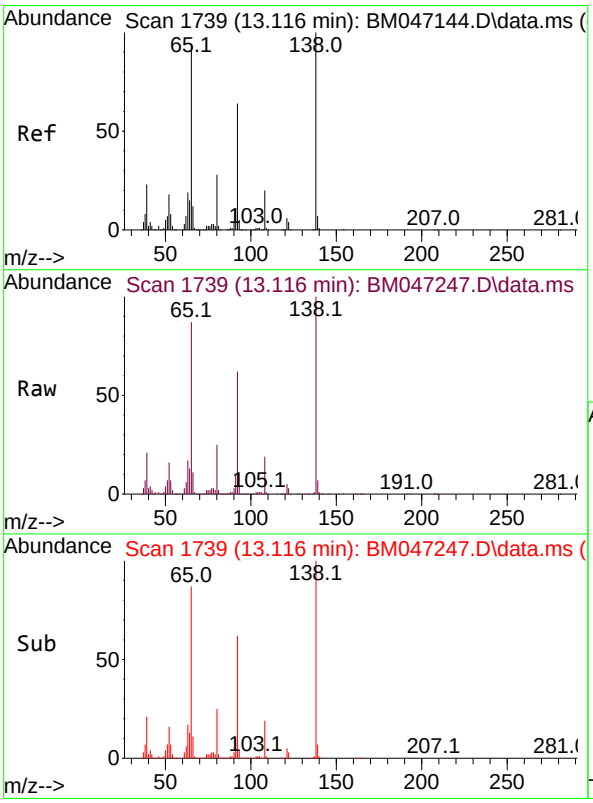
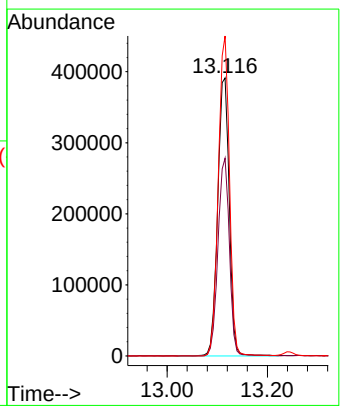
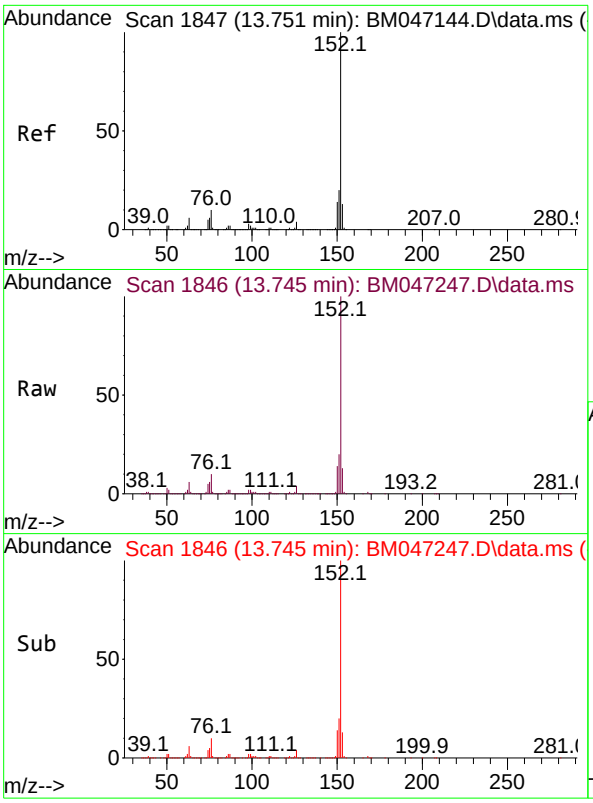


#48
2-Nitroaniline
Concen: 45.804 ng
RT: 13.116 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 65 Resp: 624912

Ion	Ratio	Lower	Upper
65	100		
92	71.1	55.1	82.7
138	115.1	85.9	128.9

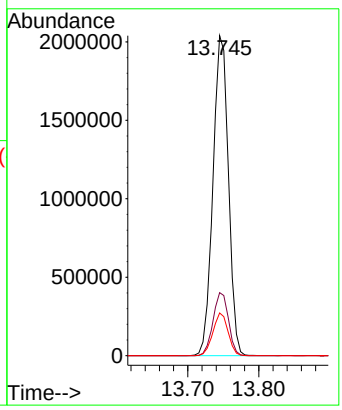




#49
Acenaphthylene
Concen: 47.861 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:152 Resp: 307232

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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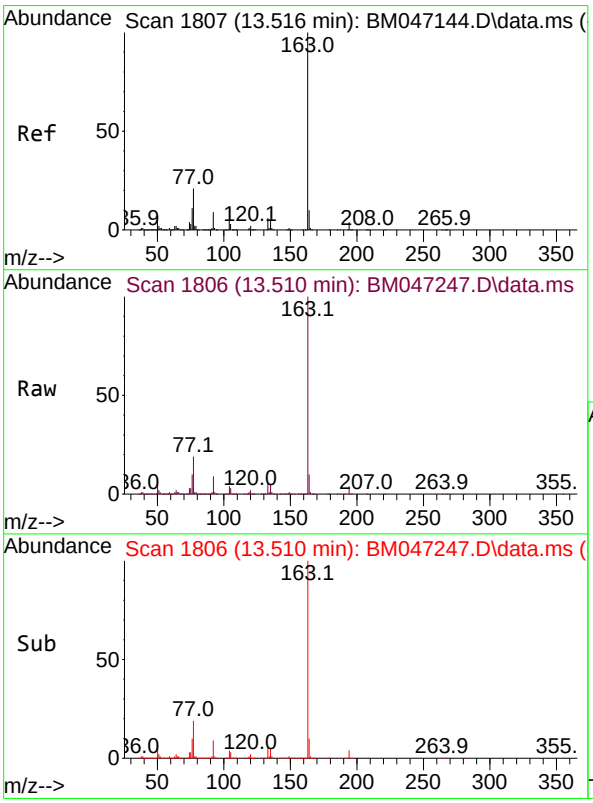
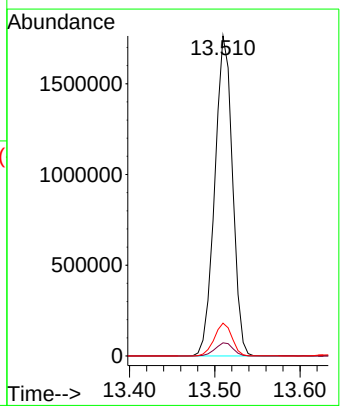
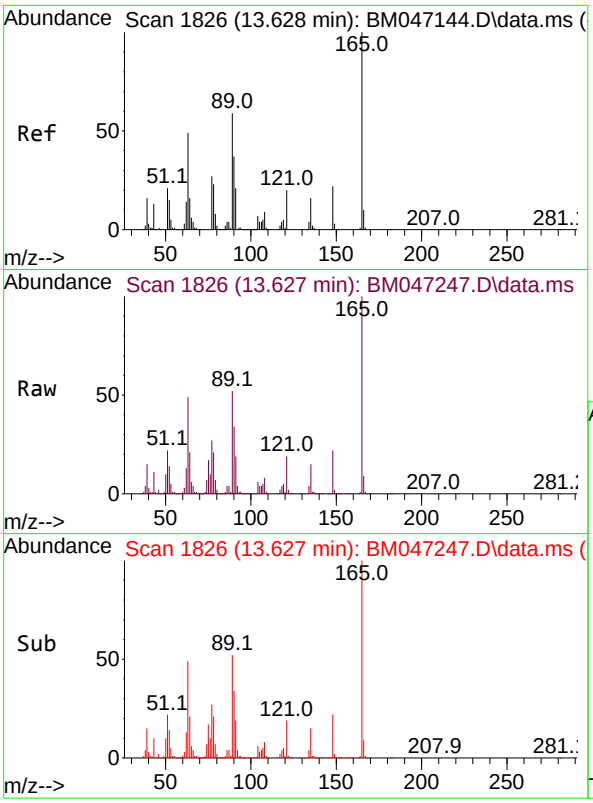


#50
Dimethylphthalate
Concen: 46.629 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:163 Resp: 2548718

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.2	8.0	12.0

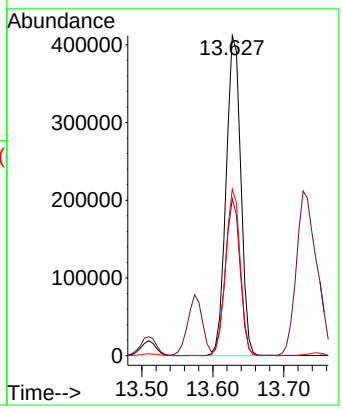




#51
2,6-Dinitrotoluene
Concen: 46.226 ng
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:165 Resp: 59065

Ion	Ratio	Lower	Upper
165	100		
63	49.0	46.5	69.7
89	52.1	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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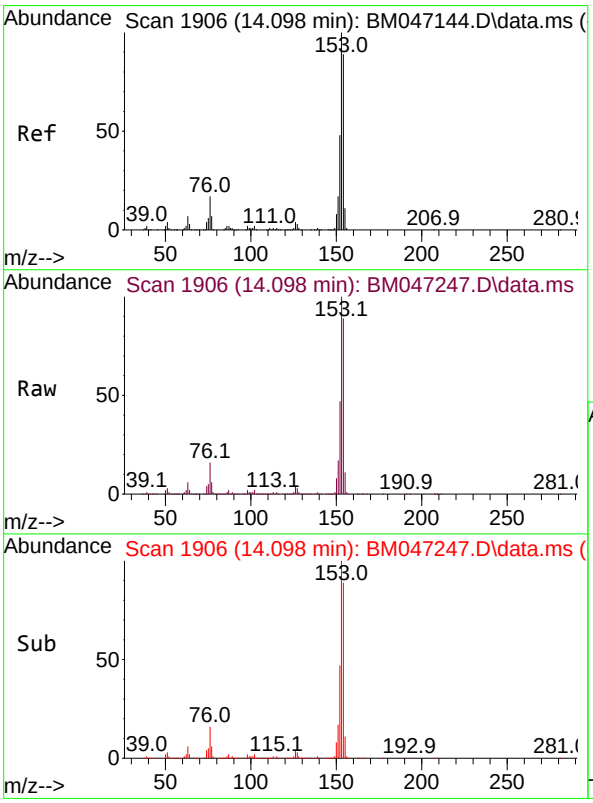
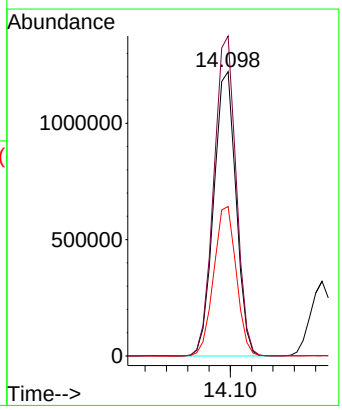
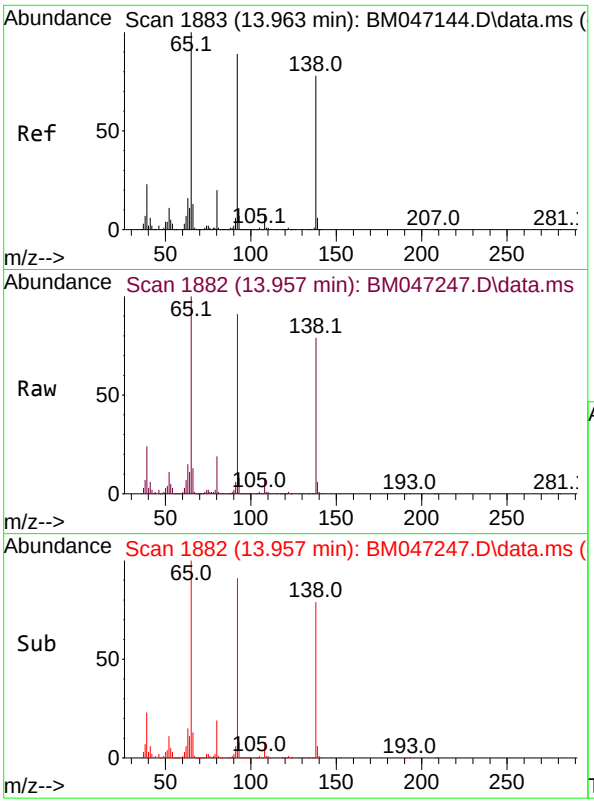


#52
Acenaphthene
Concen: 43.583 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:154 Resp: 1774674

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.3	135.5
152	52.6	42.9	64.3





#53
3-Nitroaniline
Concen: 38.645 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:138 Resp: 49479

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.9	11.9
92	114.7	92.0	138.0

Instrument :
BNA_M
ClientSampleId :
PB162722BS

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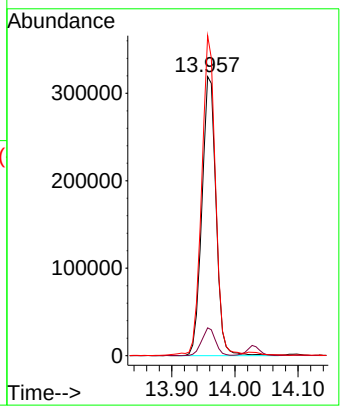
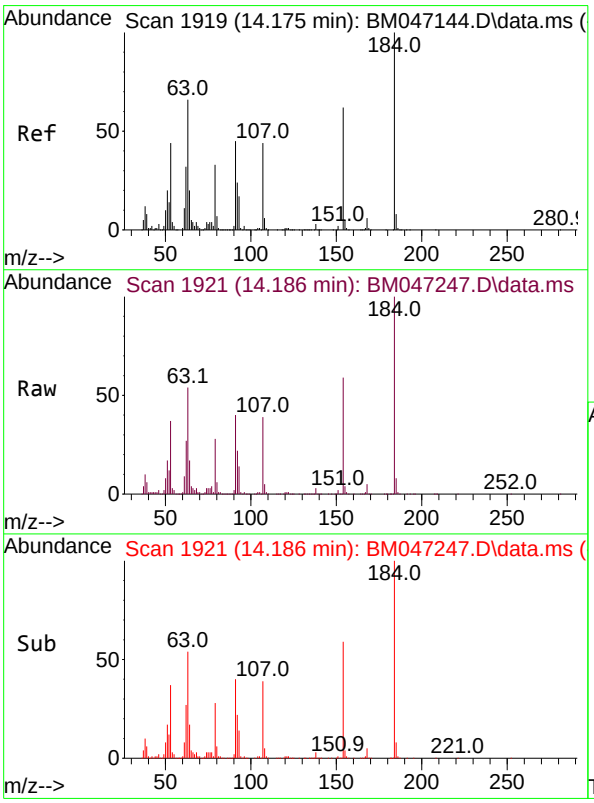
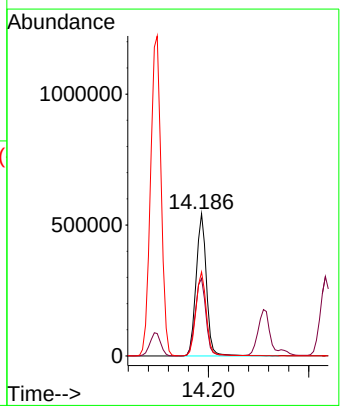


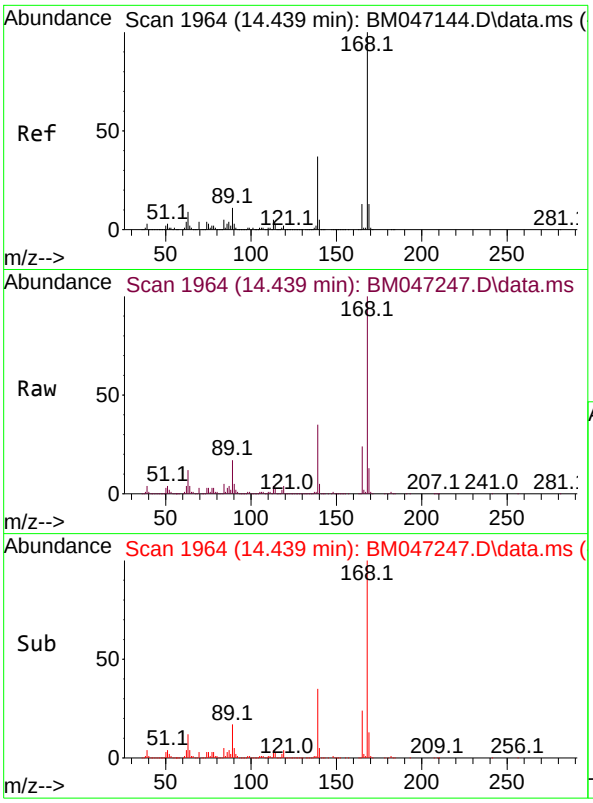


#54
2,4-Dinitrophenol
Concen: 101.598 ng
RT: 14.186 min Scan# 1921
Delta R.T. 0.011 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:184 Resp: 778051

Ion	Ratio	Lower	Upper
184	100		
63	54.5	52.7	79.1
154	59.1	50.4	75.6

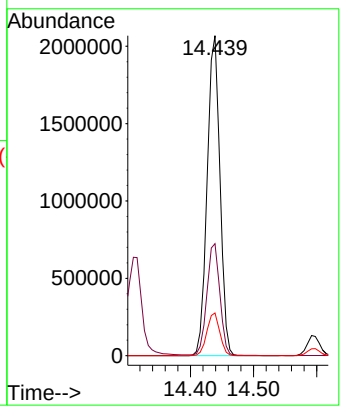




#55
Dibenzofuran
Concen: 45.336 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:168 Resp: 291591

Ion	Ratio	Lower	Upper
168	100		
139	35.0	29.6	44.4
169	13.4	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
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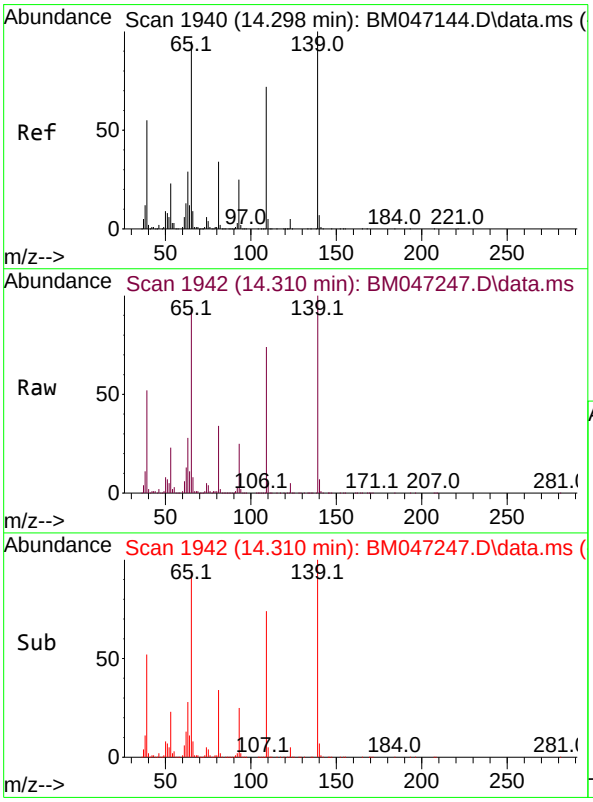
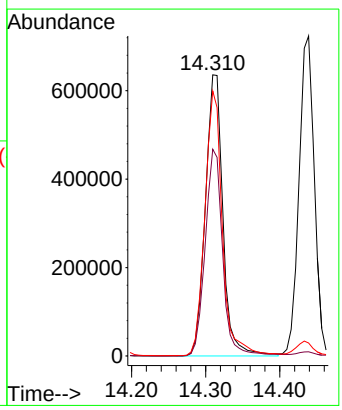
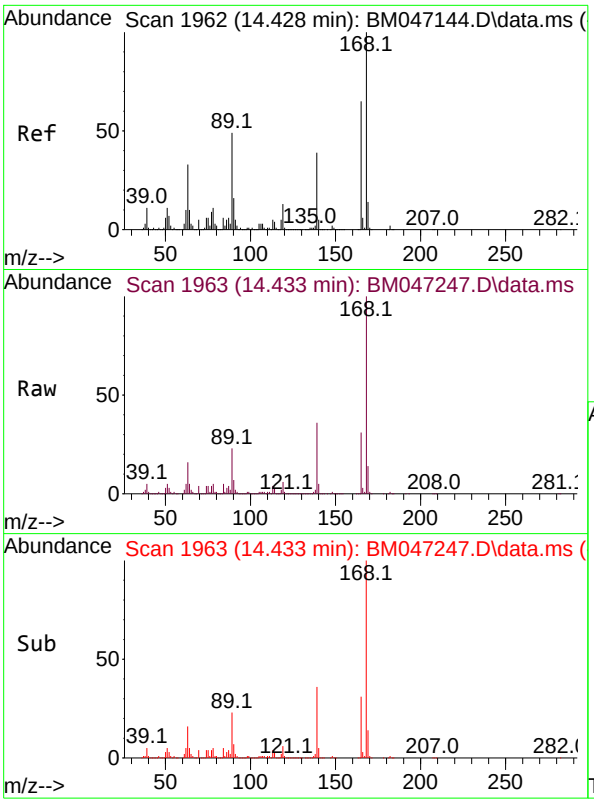


#56
4-Nitrophenol
Concen: 94.856 ng
RT: 14.310 min Scan# 1942
Delta R.T. 0.012 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:139 Resp: 1047264

Ion	Ratio	Lower	Upper
139	100		
109	73.6	52.5	92.5
65	94.2	75.4	115.4

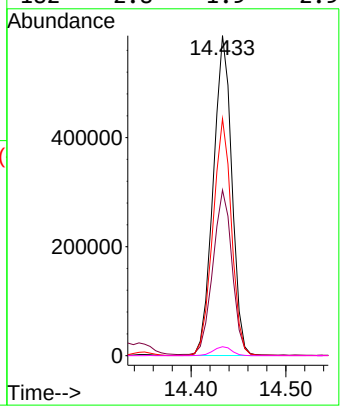




#57
2,4-Dinitrotoluene
Concen: 47.009 ng
RT: 14.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:165 Resp: 80173

Ion	Ratio	Lower	Upper
165	100		
63	51.7	40.3	60.5
89	74.0	61.0	91.6
182	2.8	1.9	2.9



Instrument :
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ClientSampleId :
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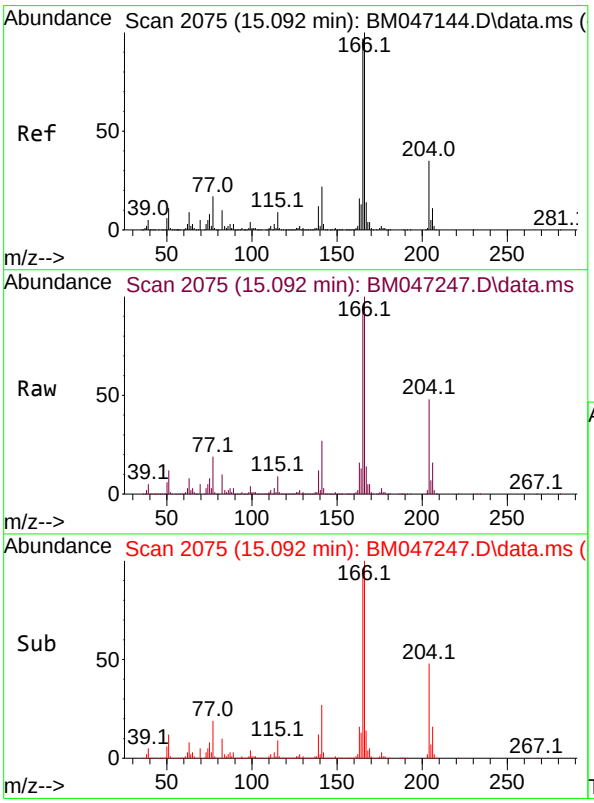
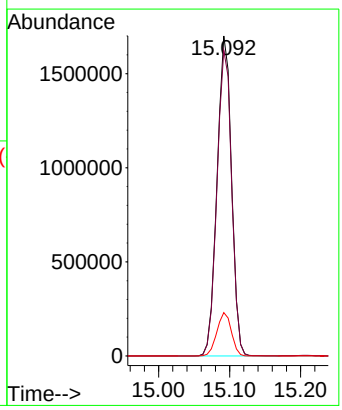
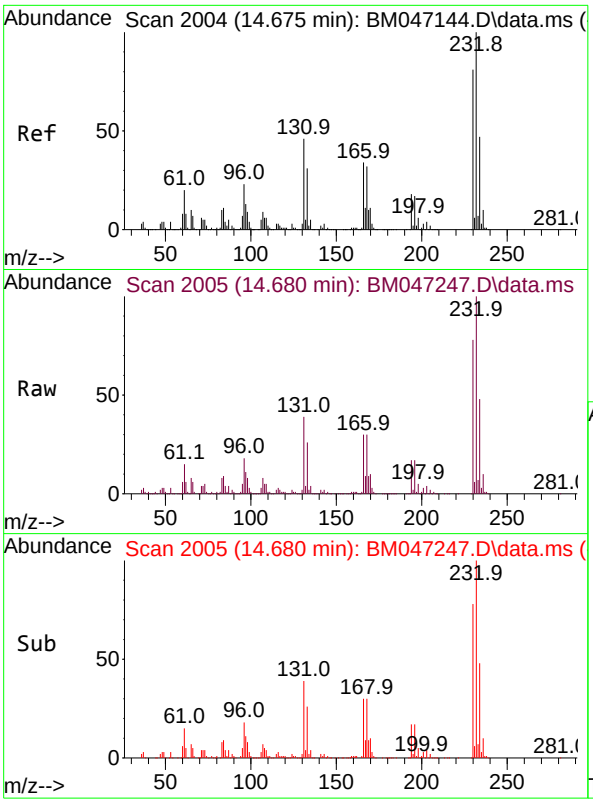


#58
Fluorene
Concen: 45.081 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:166 Resp: 2392425

Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.4	116.0
167	13.5	11.0	16.6

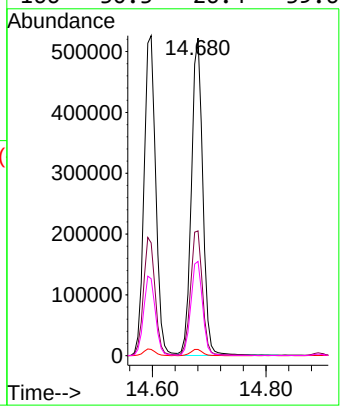




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.702 ng
RT: 14.680 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:232 Resp: 72967

Ion	Ratio	Lower	Upper
232	100		
131	40.1	36.9	55.3
130	2.1	2.0	3.0
166	30.3	26.4	39.6



Instrument :
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ClientSampleId :
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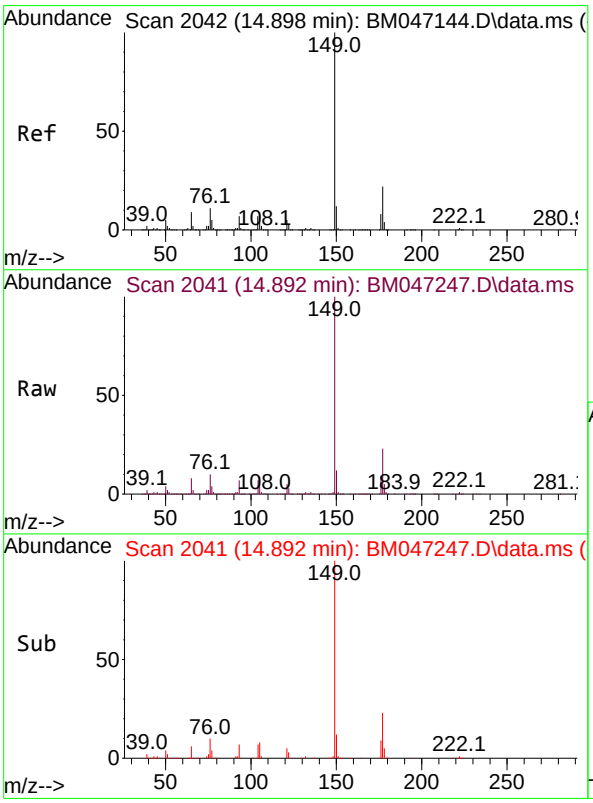
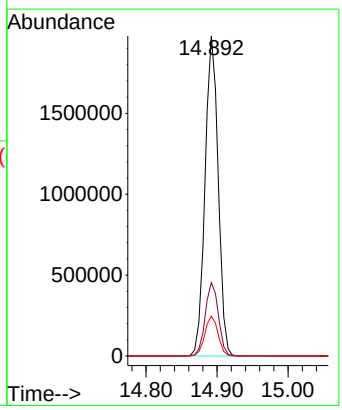
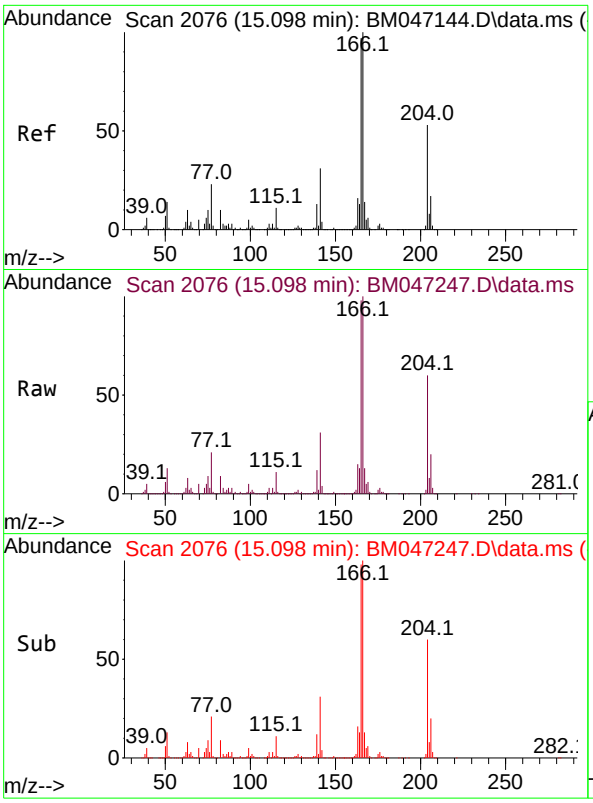


#60
Diethylphthalate
Concen: 45.568 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:149 Resp: 2543505

Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.6	26.4
150	12.4	9.8	14.6

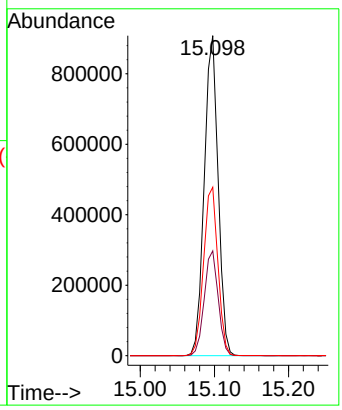




#61
4-Chlorophenyl-phenylether
Concen: 46.681 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:204 Resp: 117938

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.4
141	52.6	47.2	70.8



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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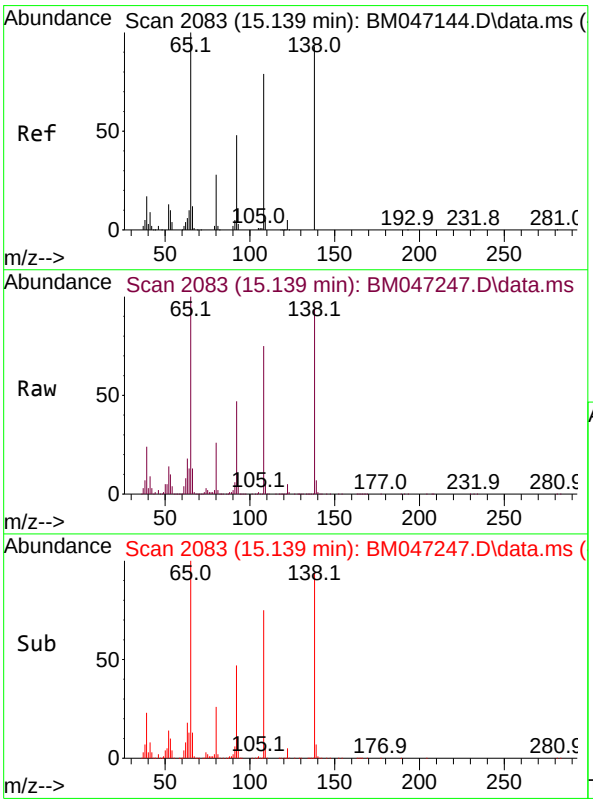
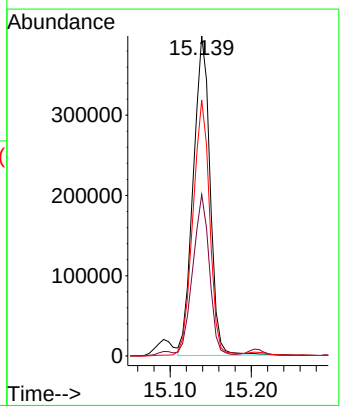
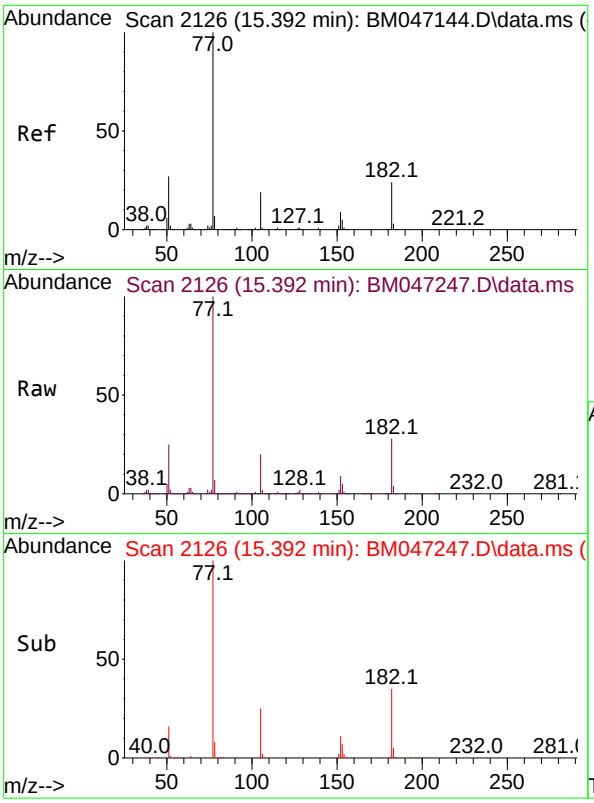


#62
4-Nitroaniline
Concen: 45.657 ng
RT: 15.139 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:138 Resp: 575900

Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.9	71.9
108	80.0	63.8	103.8

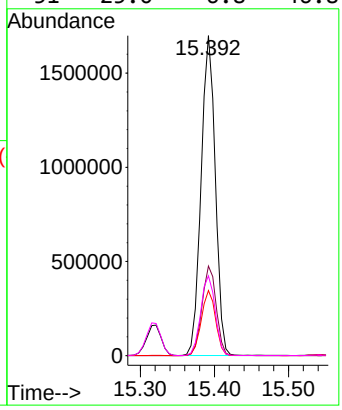




#63
Azobenzene
Concen: 42.675 ng
RT: 15.392 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion: 77 Resp: 225854

Ion	Ratio	Lower	Upper
77	100		
182	28.0	3.8	43.8
105	20.3	0.0	39.5
51	25.0	6.8	46.8



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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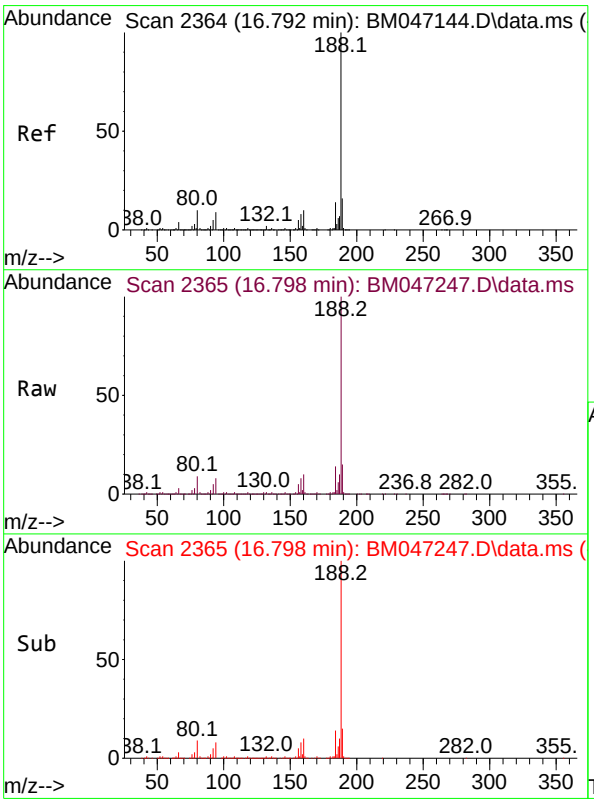
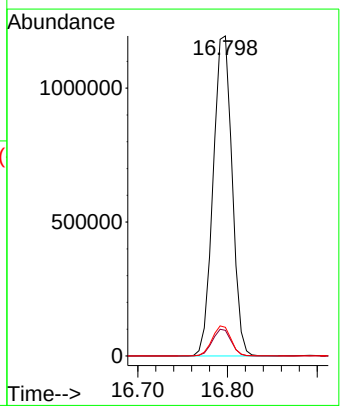
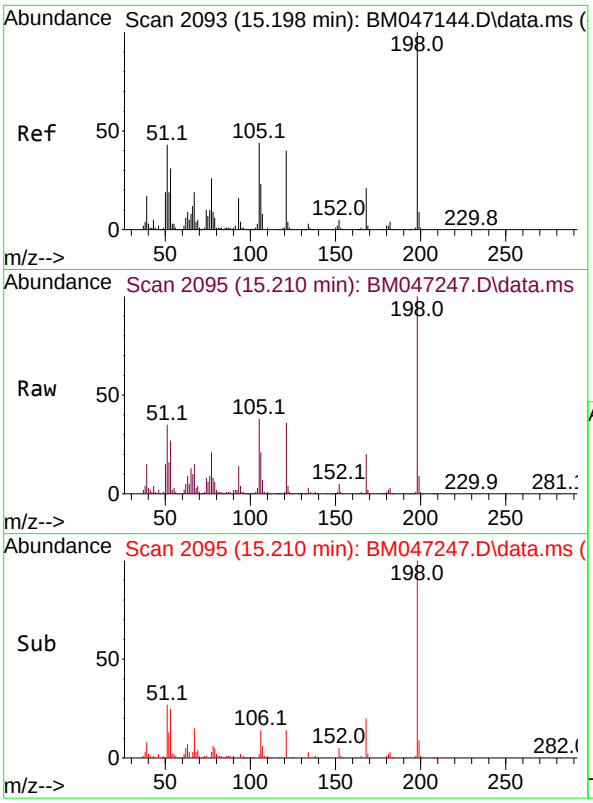


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.798 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:188 Resp: 1751225

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





#65
4,6-Dinitro-2-methylphenol
Concen: 51.338 ng
RT: 15.210 min Scan# 2
Delta R.T. 0.011 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:198 Resp: 52637

Ion	Ratio	Lower	Upper
198	100		
51	34.7	23.9	63.9
105	37.5	24.3	64.3

Instrument :
BNA_M
ClientSampleId :
PB162722BS

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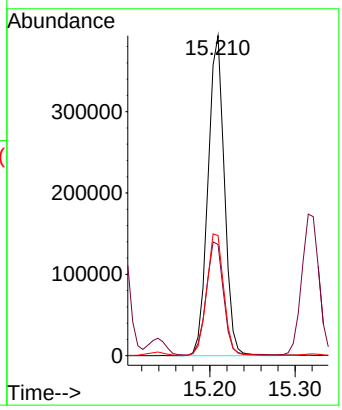
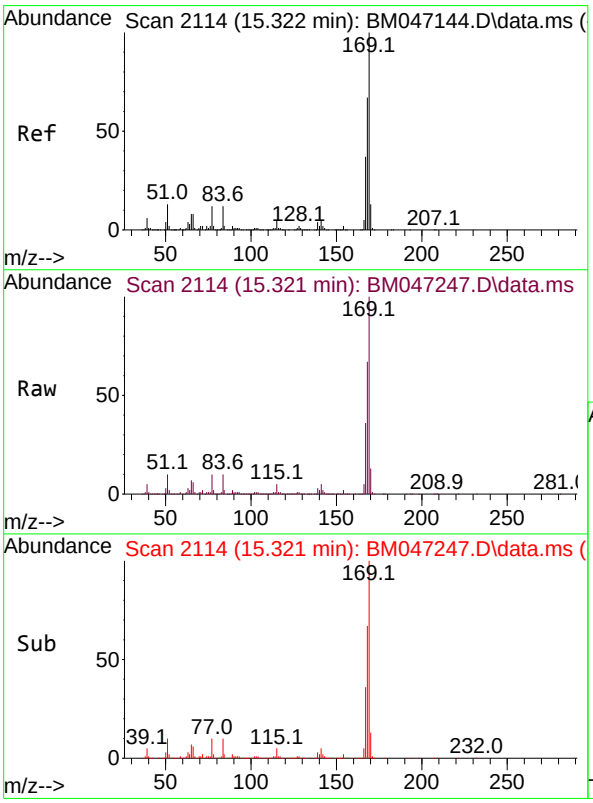
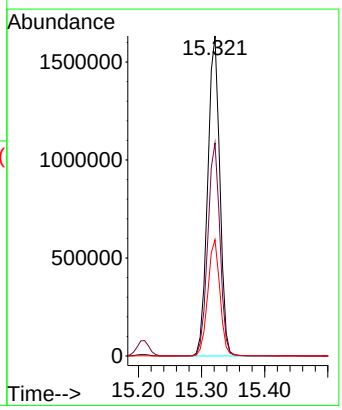


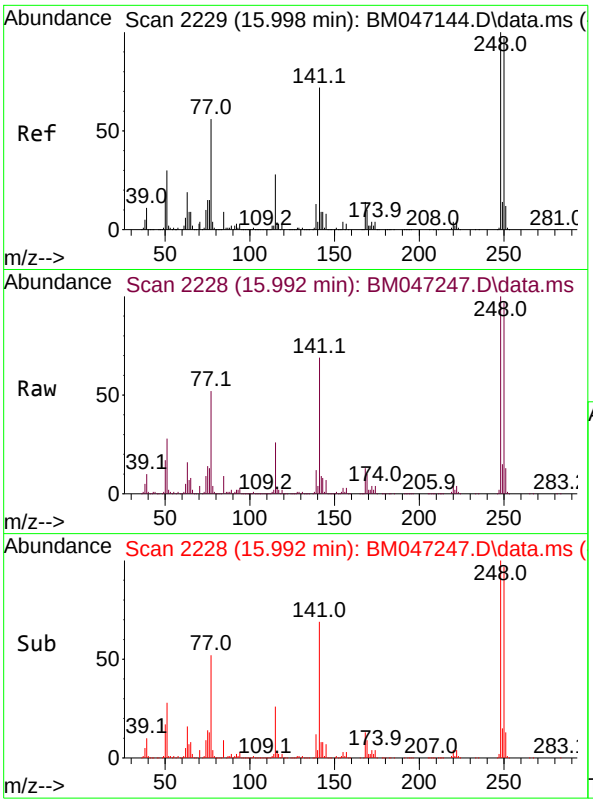


#66
n-Nitrosodiphenylamine
Concen: 45.476 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:169 Resp: 2169142

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.8	80.8
167	36.4	29.3	43.9

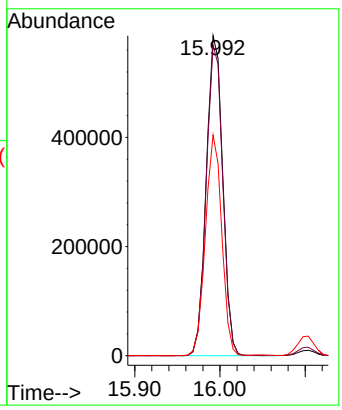




#67
4-Bromophenyl-phenylether
Concen: 46.729 ng
RT: 15.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:248 Resp: 78855

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.8
141	68.9	57.7	86.5



Instrument :
BNA_M
ClientSampleId :
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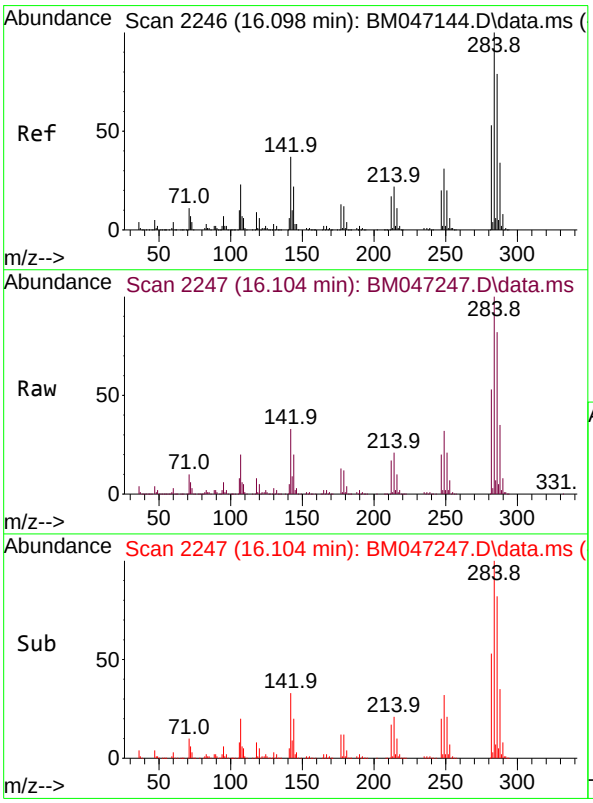
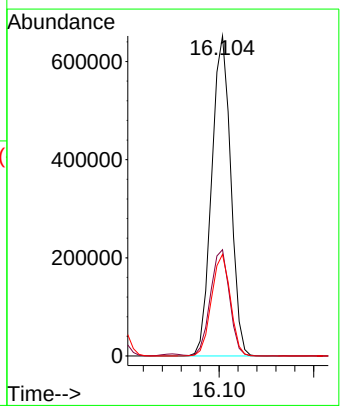
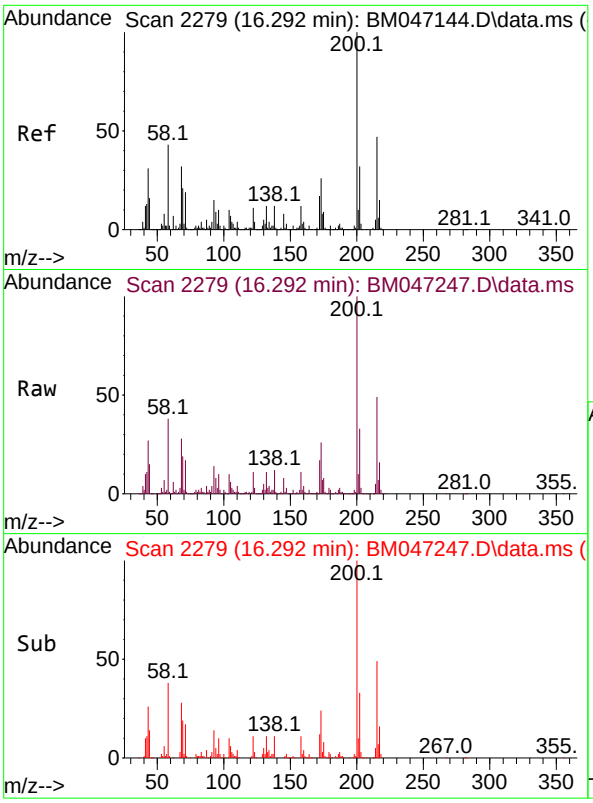


#68
Hexachlorobenzene
Concen: 44.972 ng
RT: 16.104 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:284 Resp: 908898

Ion	Ratio	Lower	Upper
284	100		
142	33.2	29.4	44.0
249	31.7	25.1	37.7

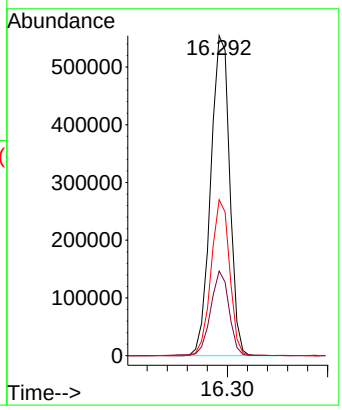




#69
Atrazine
Concen: 50.693 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:200 Resp: 72761

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.1	46.1
215	48.7	26.8	66.8



Instrument :
BNA_M
ClientSampleId :
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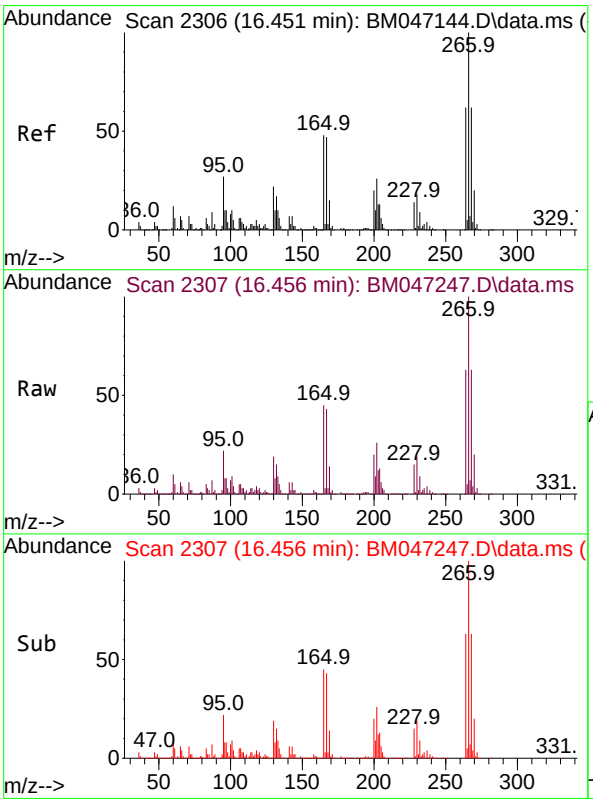
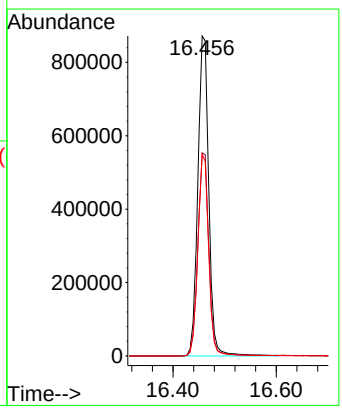
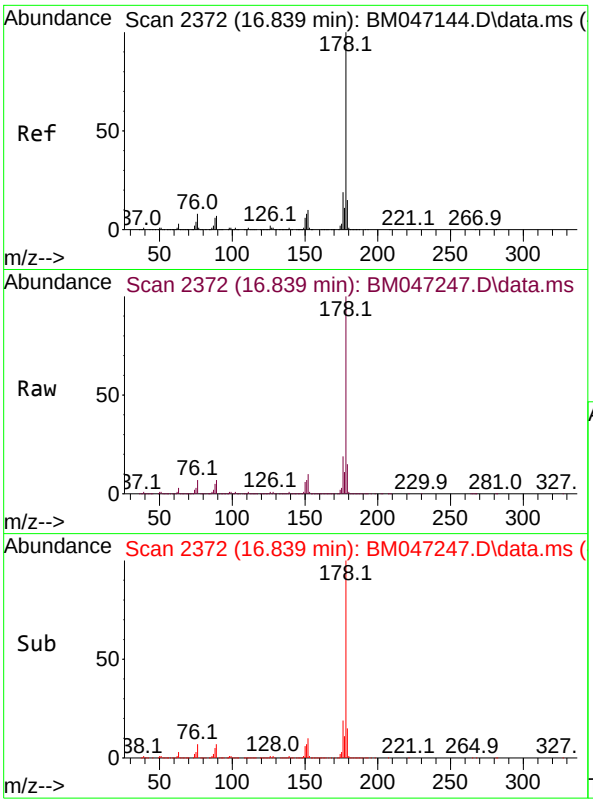


#70
Pentachlorophenol
Concen: 90.462 ng
RT: 16.456 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:266 Resp: 1281594

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.8	74.6
264	63.1	49.6	74.4

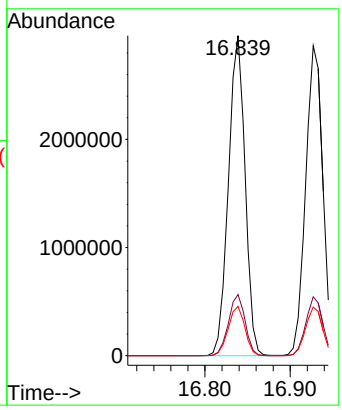




#71
Phenanthrene
Concen: 45.687 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:178 Resp: 401527

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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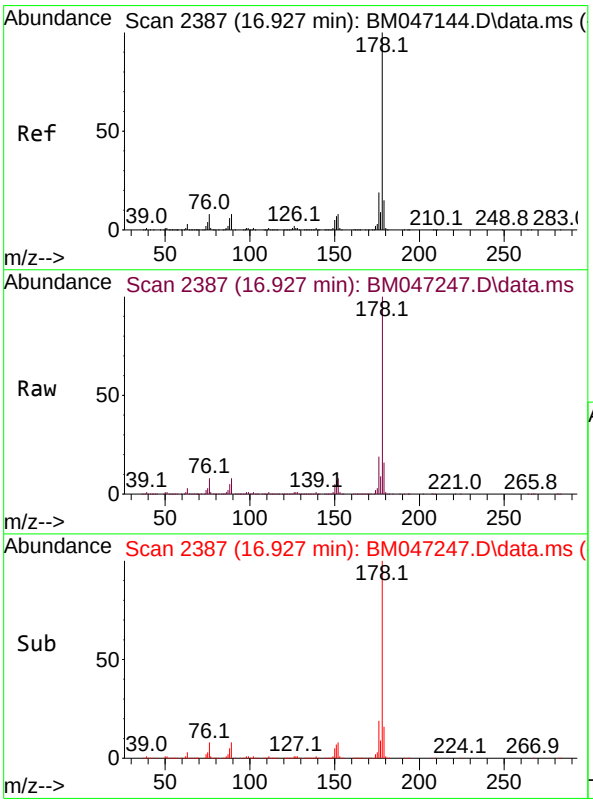
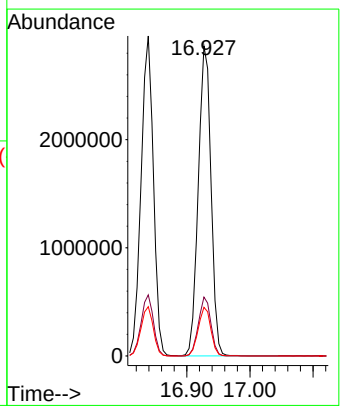
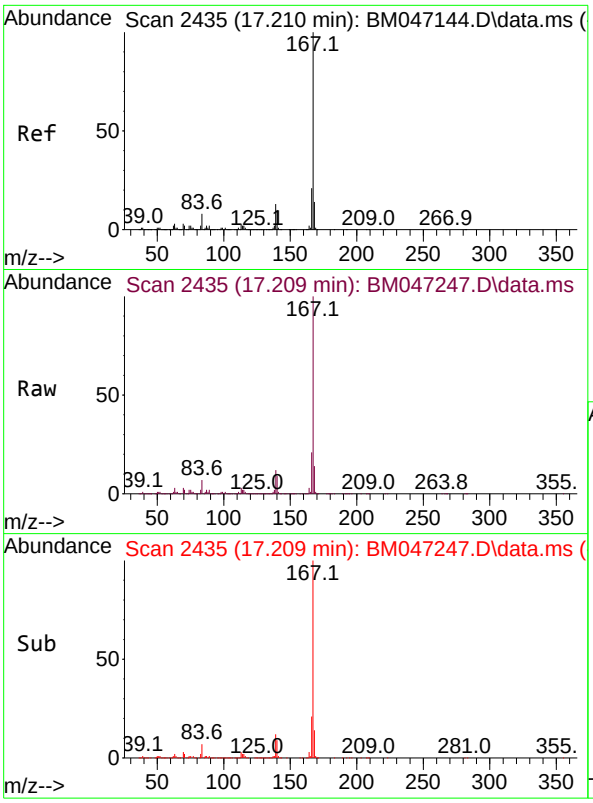


#72
Anthracene
Concen: 46.920 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:178 Resp: 4012395

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.7	12.4	18.6

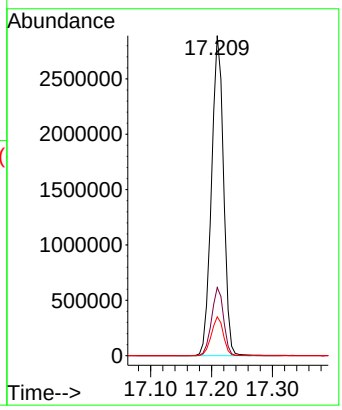




#73
Carbazole
Concen: 45.567 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:167 Resp: 397866

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.2	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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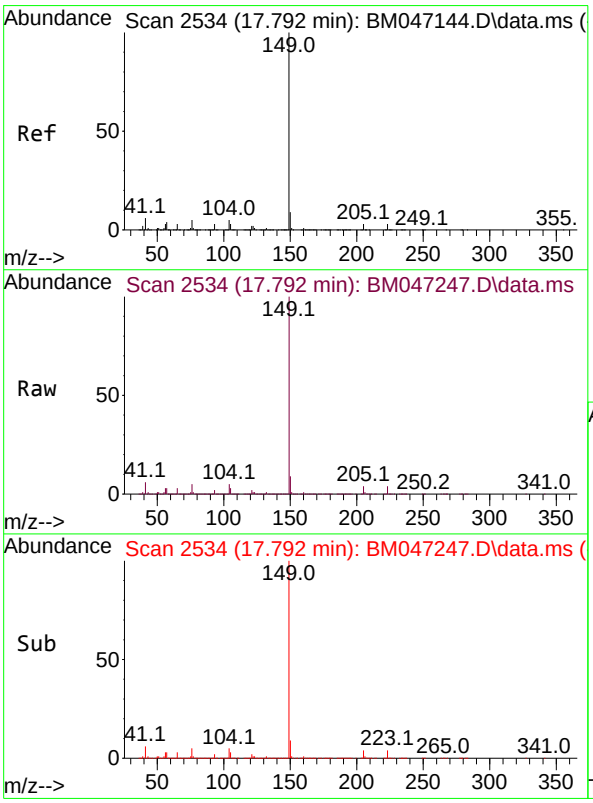
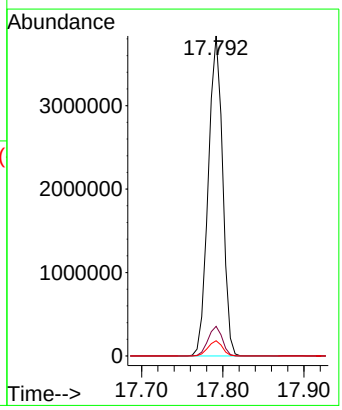
Supervised By :mohammad ahmed 08/21/2024

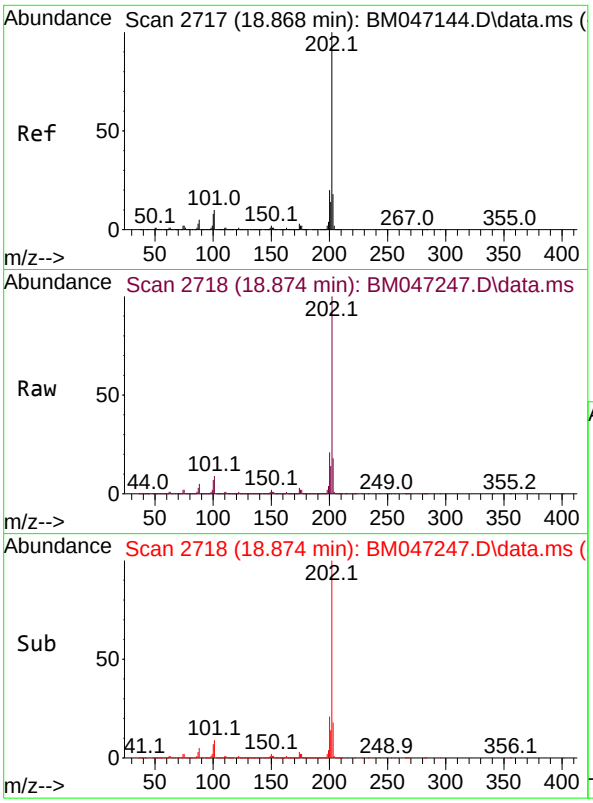


#74
Di-n-butylphthalate
Concen: 46.191 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:149 Resp: 4692813

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.8	4.1	6.1

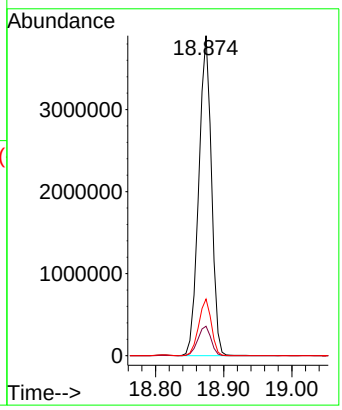




#75
Fluoranthene
Concen: 47.093 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:202 Resp: 503421

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.7	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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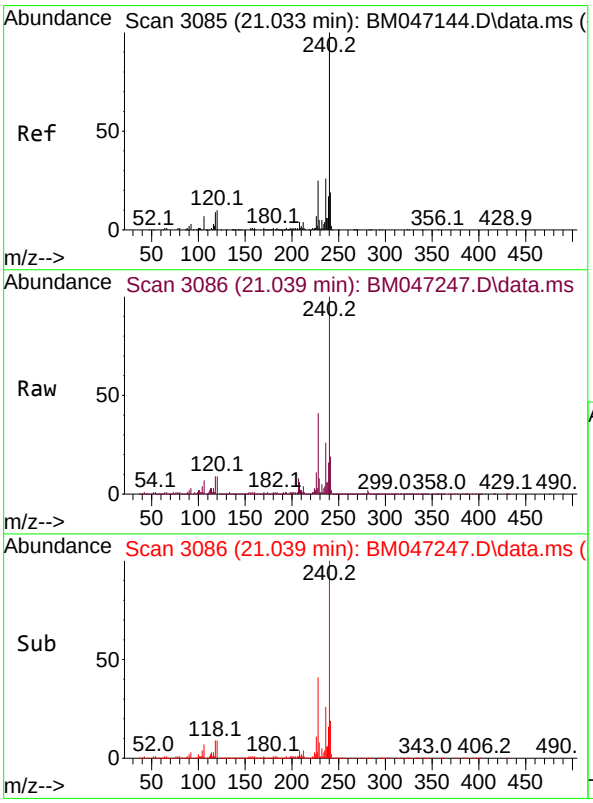
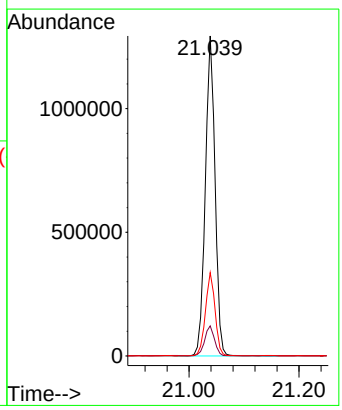
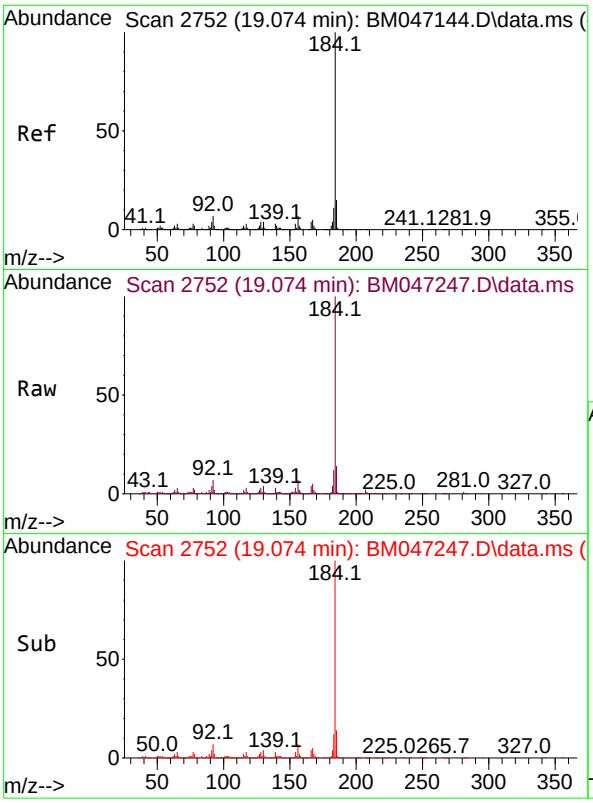


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.039 min Scan# 3086
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:240 Resp: 1584431

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	26.0	20.6	30.8

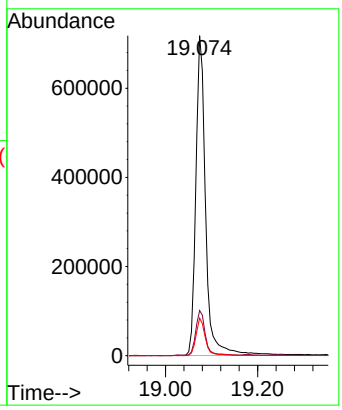




#77
Benzidine
Concen: 39.506 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:184 Resp: 106151

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.8	17.6
183	11.7	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
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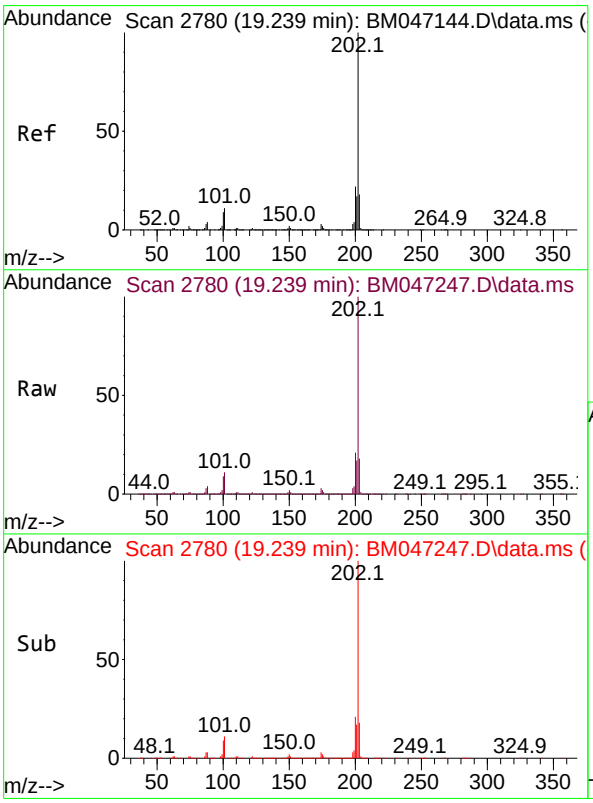
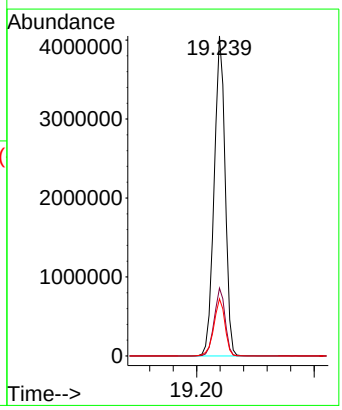
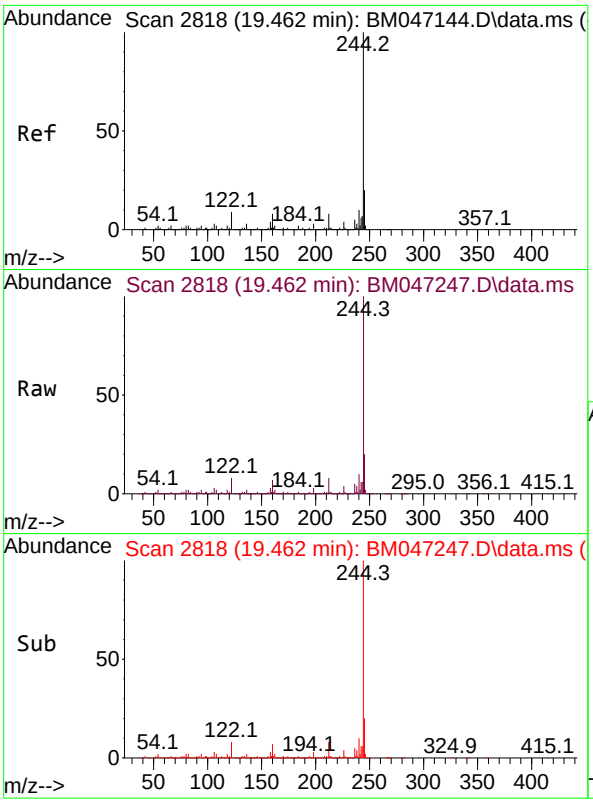


#78
Pyrene
Concen: 46.340 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:202 Resp: 5242570

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.8	14.2	21.2

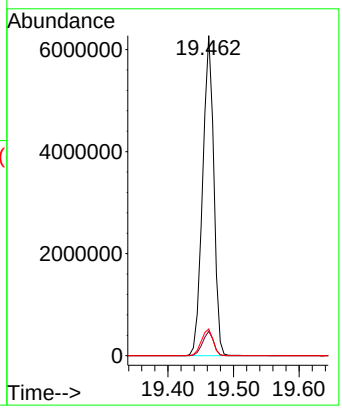




#79
Terphenyl-d14
Concen: 100.666 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:244 Resp: 744355

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	8.3	7.1	10.7



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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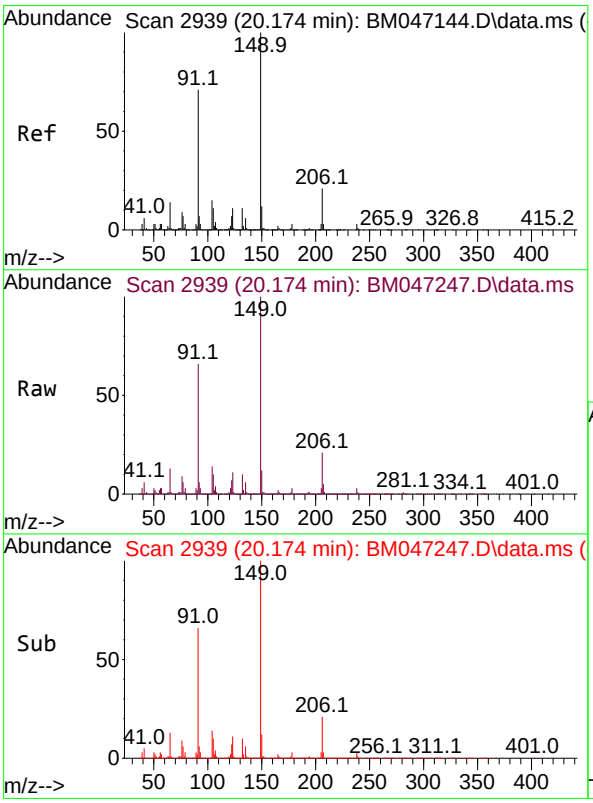
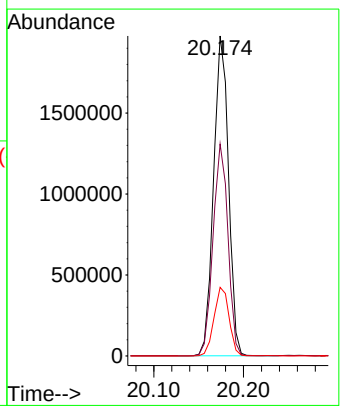
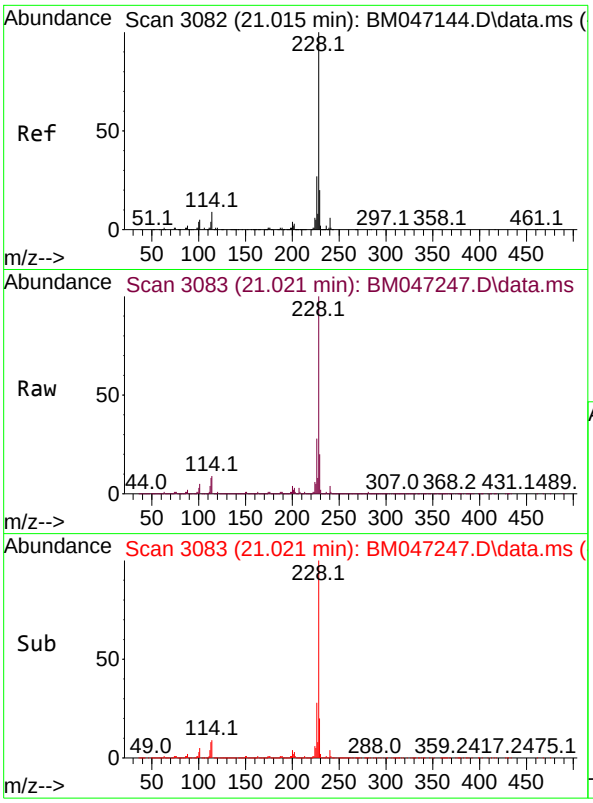


#80
Butylbenzylphthalate
Concen: 49.276 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:149 Resp: 2275053

Ion	Ratio	Lower	Upper
149	100		
91	66.2	57.0	85.4
206	21.4	16.4	24.6

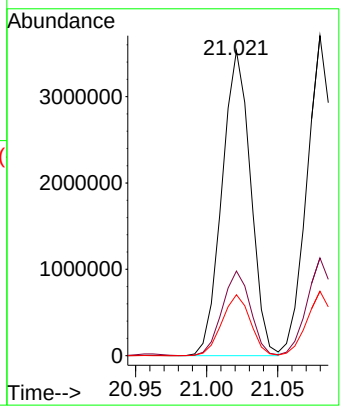




#81
Benzo(a)anthracene
Concen: 47.067 ng
RT: 21.021 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:228 Resp: 495074

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.6
229	20.0	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
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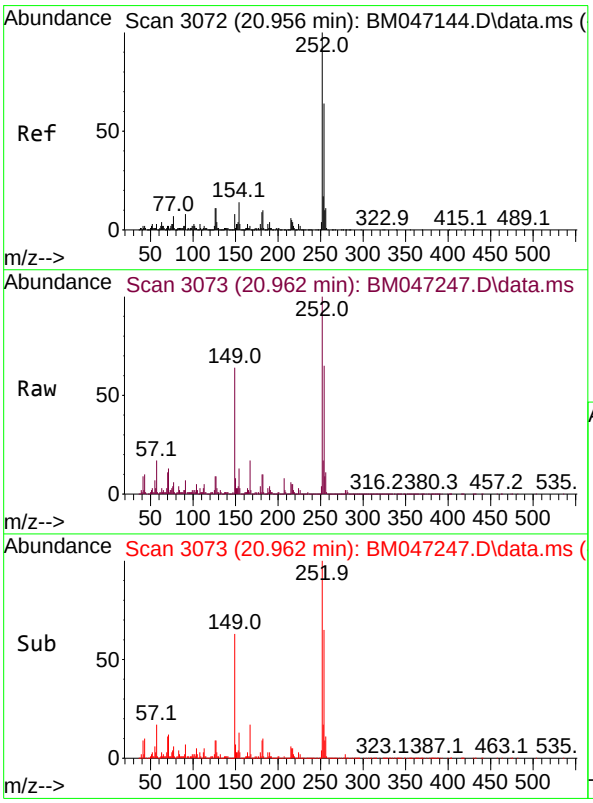
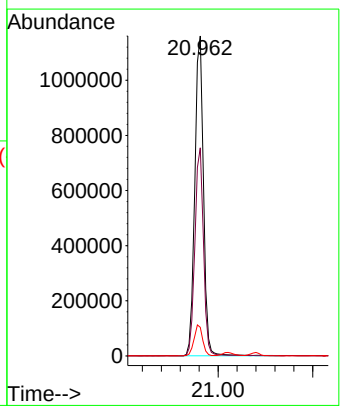
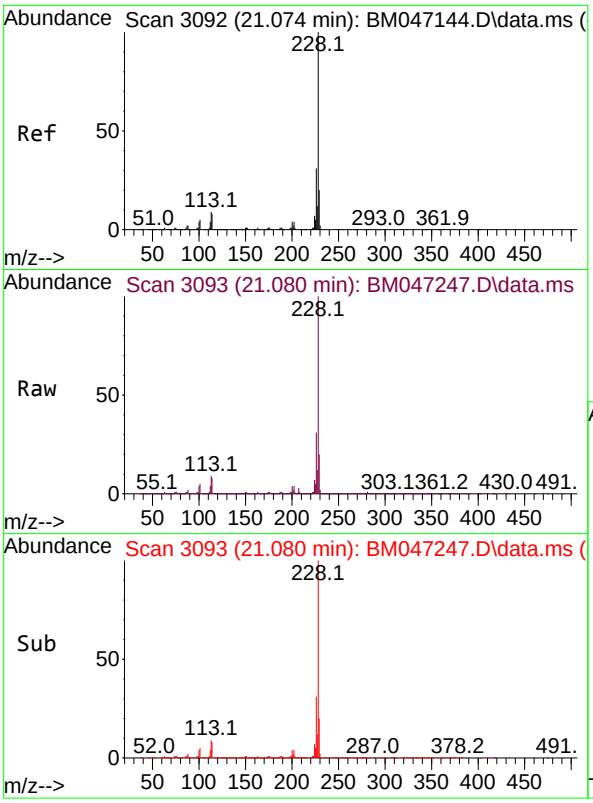


#82
3,3'-Dichlorobenzidine
Concen: 44.745 ng
RT: 20.962 min Scan# 3073
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:252 Resp: 1472565

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.0	76.6
126	9.0	8.5	12.7

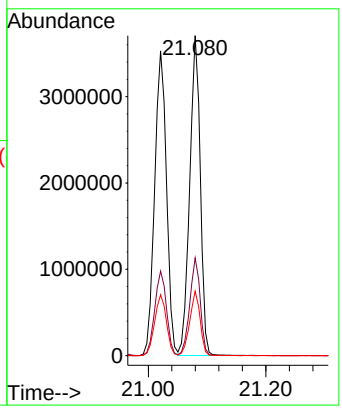




#83
Chrysene
Concen: 46.323 ng
RT: 21.080 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:228 Resp: 462280

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	20.2	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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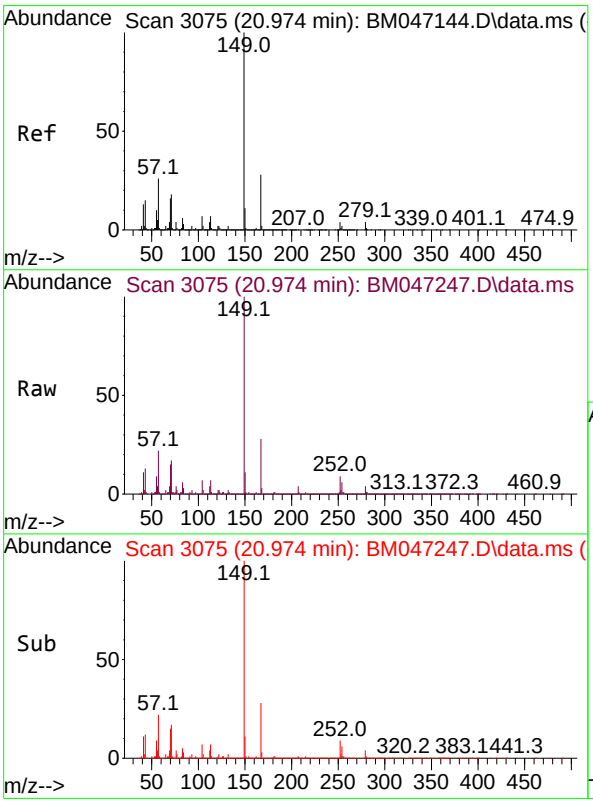
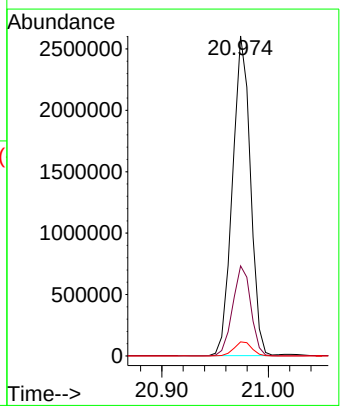
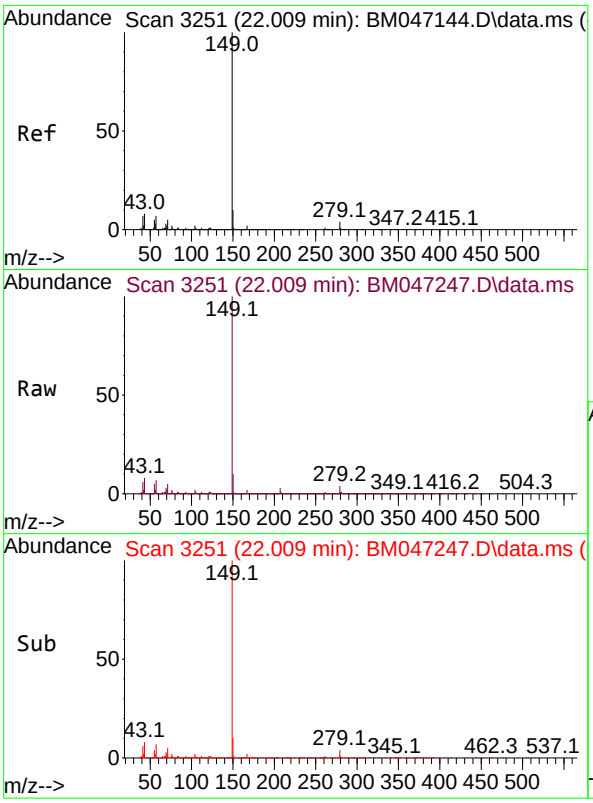


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.690 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:149 Resp: 3057109

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.2
279	4.4	3.0	4.4

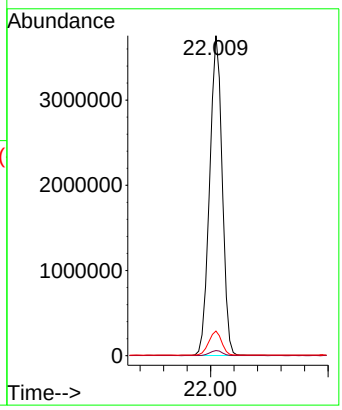




#85
Di-n-octyl phthalate
Concen: 50.013 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:149 Resp: 556602

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	6.9	10.3



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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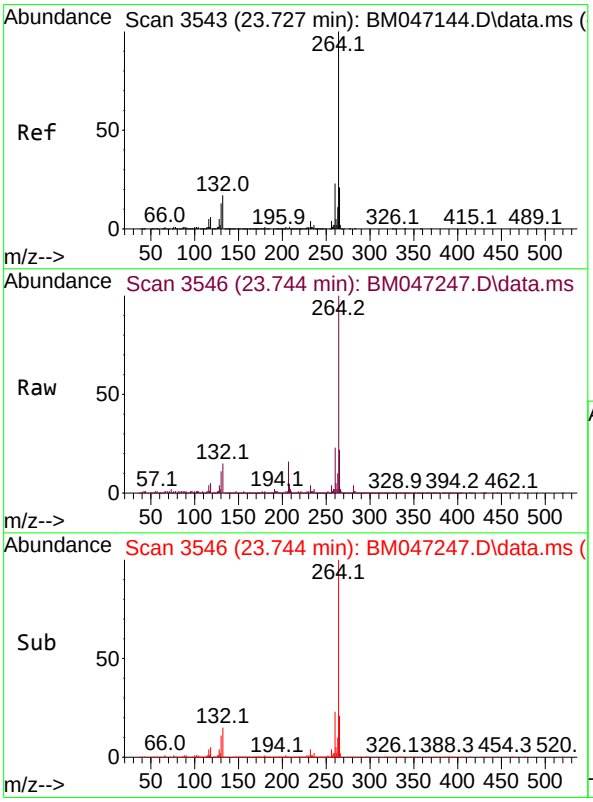
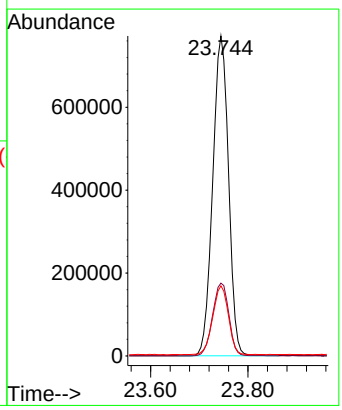
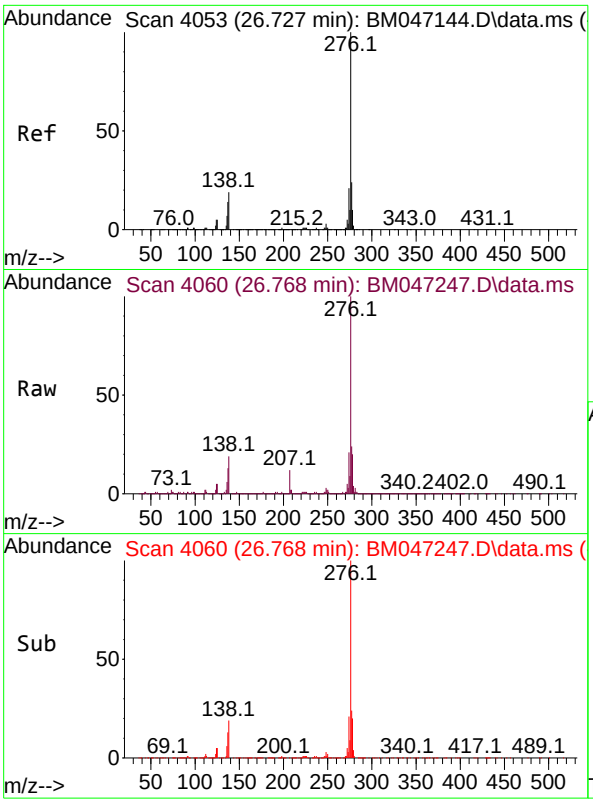


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.744 min Scan# 3546
Delta R.T. 0.017 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:264 Resp: 1735614

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.9	17.3	25.9

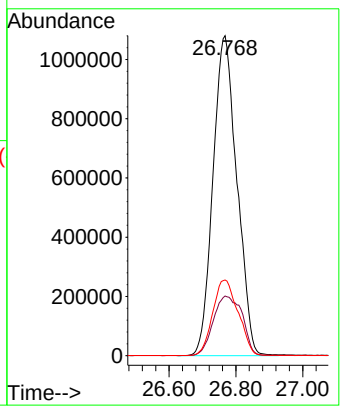




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.874 ng
RT: 26.768 min Scan# 4
Delta R.T. 0.041 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:276 Resp: 537080

Ion	Ratio	Lower	Upper
276	100		
138	22.5	19.4	29.0
277	25.0	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
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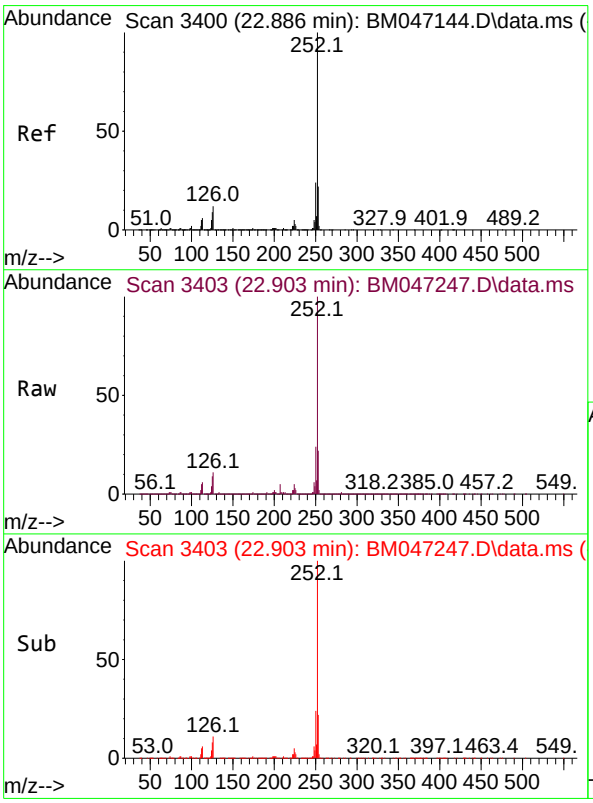
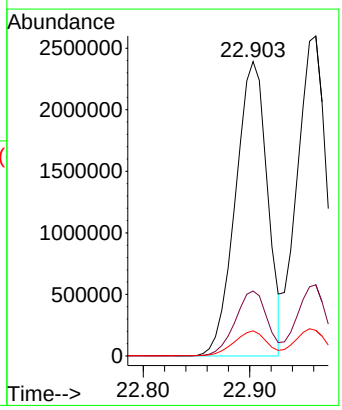
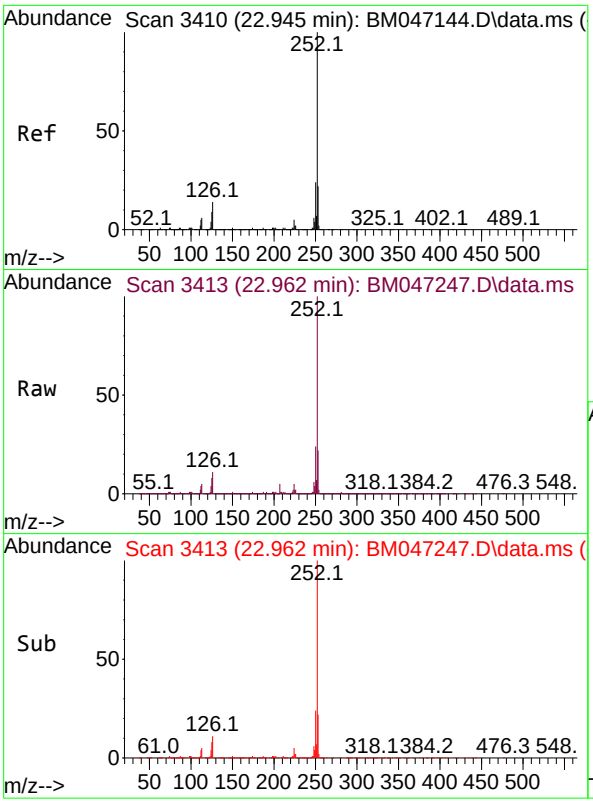


#88
Benzo(b)fluoranthene
Concen: 48.228 ng
RT: 22.903 min Scan# 3403
Delta R.T. 0.017 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:252 Resp: 4970869

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	8.6	7.4	11.0

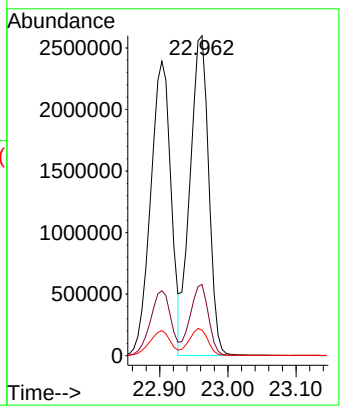




#89
Benzo(k)fluoranthene
Concen: 50.827 ng
RT: 22.962 min Scan# 34
Delta R.T. 0.017 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:252 Resp: 494826

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.0	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
PB162722BS

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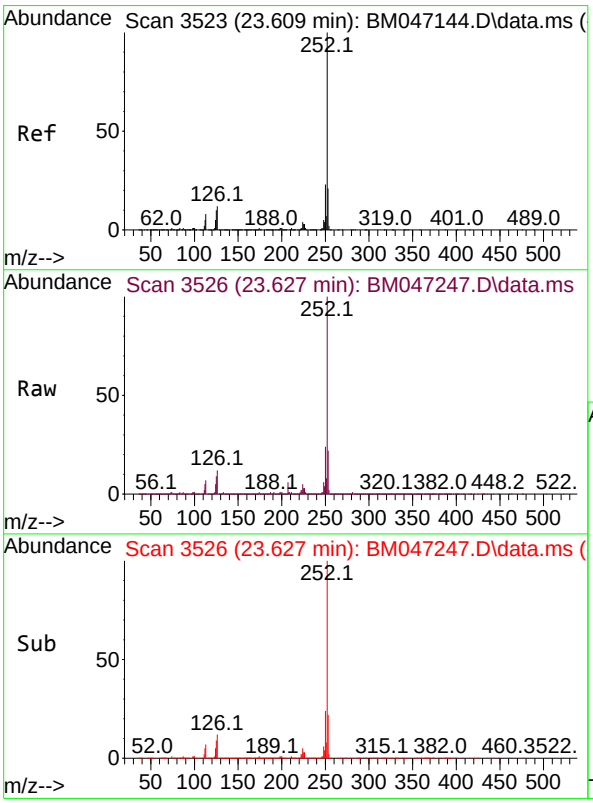
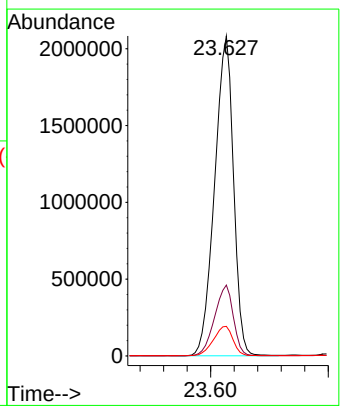
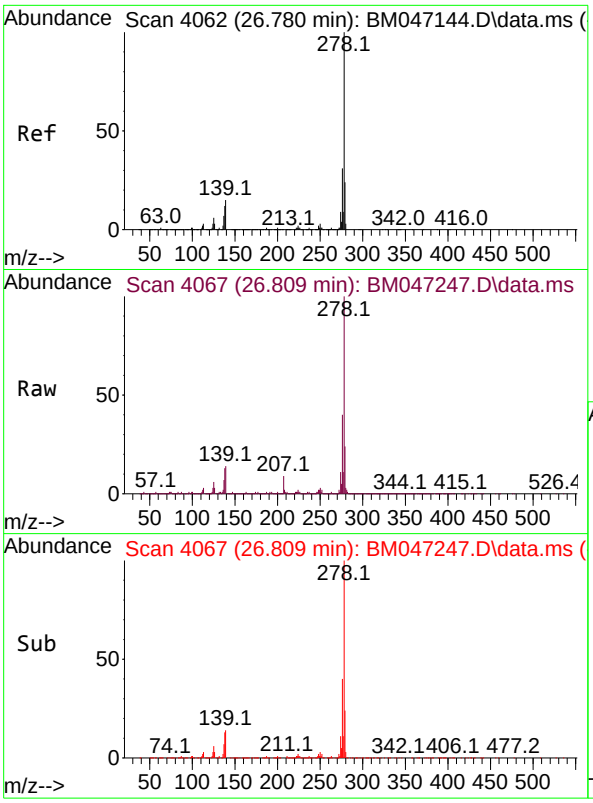


#90
Benzo(a)pyrene
Concen: 51.919 ng
RT: 23.627 min Scan# 3526
Delta R.T. 0.017 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:252 Resp: 4635663

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.3	8.2	12.2

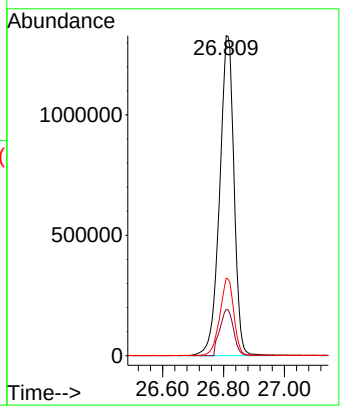




#91
Dibenzo(a,h)anthracene
Concen: 48.133 ng
RT: 26.809 min Scan# 4
Delta R.T. 0.029 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:278 Resp: 436998

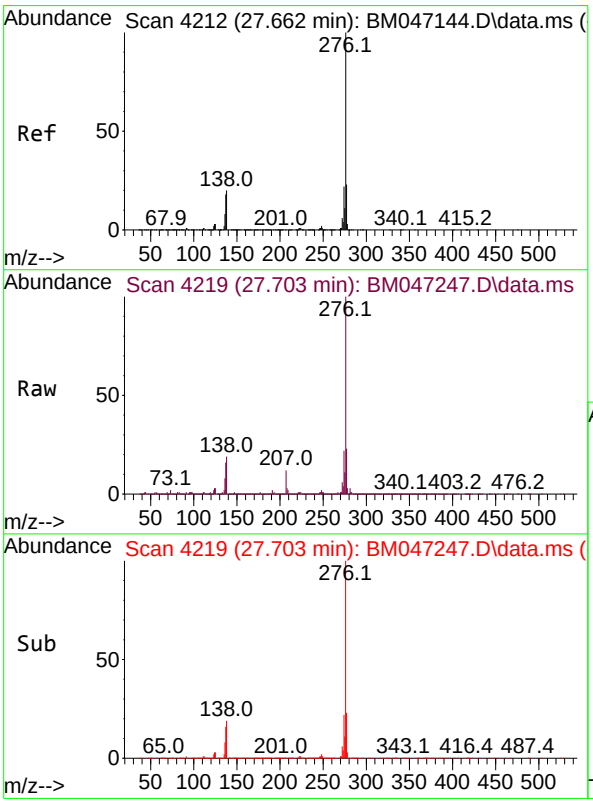
Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.0	18.0
279	24.2	19.2	28.8



Instrument :
BNA_M
ClientSampleId :
PB162722BS

Manual Integrations
APPROVED

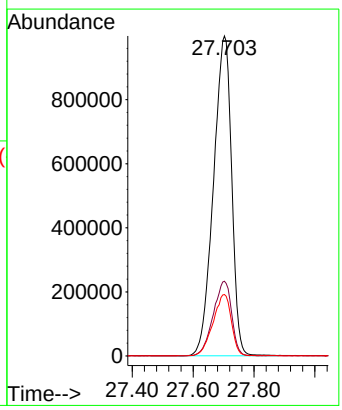
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#92
Benzo(g,h,i)perylene
Concen: 43.840 ng
RT: 27.703 min Scan# 4219
Delta R.T. 0.041 min
Lab File: BM047247.D
Acq: 19 Aug 2024 11:02

Tgt Ion:276 Resp: 4132503

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	19.2	16.2	24.4



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:	PB162722BSD	SDG No.:	P3596
Lab Sample ID:	PB162722BSD	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
BM047248.D	1	08/14/24 08:25	08/19/24 11:41	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	28.0		1.60	5.00	ug/L
100-52-7	Benzaldehyde	16.5		4.00	10.0	ug/L
95-48-7	2-Methylphenol	48.6		1.10	5.00	ug/L
98-86-2	Acetophenone	39.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.6		1.20	10.0	ug/L
98-95-3	Nitrobenzene	41.1		1.30	5.00	ug/L
120-83-2	2,4-Dichlorophenol	52.6		0.88	5.00	ug/L
91-20-3	Naphthalene	43.4		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.2		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.6		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	51.1		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.3		1.00	5.00	ug/L
208-96-8	Acenaphthylene	48.1		1.00	5.00	ug/L
83-32-9	Acenaphthene	43.6		0.81	5.00	ug/L
132-64-9	Dibenzofuran	45.6		0.93	5.00	ug/L
86-73-7	Fluorene	44.7		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	45.5		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	90.1	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	45.8		0.89	5.00	ug/L
86-74-8	Carbazole	46.1		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.3		1.50	5.00	ug/L
206-44-0	Fluoranthene	47.4		1.30	5.00	ug/L
129-00-0	Pyrene	45.3		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	47.1		0.94	5.00	ug/L
218-01-9	Chrysene	46.5		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.0		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	47.5		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	50.4		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	51.9		1.70	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162722BSD	SDG No.:	P3596
Lab Sample ID:	PB162722BSD	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
BM047248.D	1	08/14/24 08:25	08/19/24 11:41	PB162722

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	48.2		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.6		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.1		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	26.2		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	42.3		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	125		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.9		30 (49) - 130 (133)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.6		30 (52) - 130 (132)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		15 (44) - 110 (137)	93%	SPK: 150
1718-51-0	Terphenyl-d14	98.5		30 (48) - 130 (125)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	266000	7.369			
1146-65-2	Naphthalene-d8	1080000	10.122			
15067-26-2	Acenaphthene-d10	738000	14.027			
1517-22-2	Phenanthrene-d10	1630000	16.792			
1719-03-5	Chrysene-d12	1510000	21.039			
1520-96-3	Perylene-d12	1710000	23.744			

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\BM081924\
Data File : BM047248.D
Acq On : 19 Aug 2024 11:41
Operator : RC/JU
Sample : PB162722BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:29:16 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

Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	265608	20.000	ng	0.00
21) Naphthalene-d8	10.122	136	1076893	20.000	ng	-0.01
39) Acenaphthene-d10	14.027	164	737861	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1630379	20.000	ng	0.00
76) Chrysene-d12	21.039	240	1511034	20.000	ng	0.00
86) Perylene-d12	23.744	264	1710119	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1924100	129.441	ng	0.00
7) Phenol-d6	6.587	99	2561448	125.057	ng	0.00
23) Nitrobenzene-d5	8.516	82	1666804	77.936	ng	0.00
42) 2,4,6-Tribromophenol	15.545	330	1199413	140.190	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	3950762	82.592	ng	0.00
79) Terphenyl-d14	19.462	244	6949439	98.548	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.022	88	161132	26.162	ng	97
3) Pyridine	3.398	79	506080	28.021	ng	98
4) n-Nitrosodimethylamine	3.316	42	289137	36.643	ng	99
6) Aniline	6.716	93	536002	27.687	ng	98
8) 2-Chlorophenol	6.945	128	813650	50.186	ng	97
9) Benzaldehyde	6.528	77	222569	16.514	ng	98
10) Phenol	6.610	94	954556	46.706	ng	99
11) bis(2-Chloroethyl)ether	6.816	93	740852	42.329	ng	98
12) 1,3-Dichlorobenzene	7.257	146	825487	42.848	ng	97
13) 1,4-Dichlorobenzene	7.398	146	844869	43.313	ng	98
14) 1,2-Dichlorobenzene	7.710	146	826822	44.925	ng	98
15) Benzyl Alcohol	7.622	79	727514	49.908	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.892	45	922108	41.058	ng	99
17) 2-Methylphenol	7.834	107	662147	48.563	ng	99
18) Hexachloroethane	8.416	117	313548	41.498	ng	95
19) n-Nitroso-di-n-propyla...	8.181	70	568696	41.220	ng	97
20) 3+4-Methylphenols	8.157	107	906389	47.550	ng	97
22) Acetophenone	8.186	105	1027265	39.519	ng	99
24) Nitrobenzene	8.557	77	884058	41.052	ng	97
25) Isophorone	9.080	82	1644726	44.168	ng	98
26) 2-Nitrophenol	9.257	139	469438	49.222	ng	95
27) 2,4-Dimethylphenol	9.339	122	591287	52.927	ng	99
28) bis(2-Chloroethoxy)met...	9.569	93	1018995	43.489	ng	100
29) 2,4-Dichlorophenol	9.792	162	871739	52.589	ng	98
30) 1,2,4-Trichlorobenzene	9.992	180	863965	46.056	ng	99
31) Naphthalene	10.175	128	2329366	43.420	ng	100
32) Benzoic acid	9.539	122	646679	49.823	ng	97
33) 4-Chloroaniline	10.298	127	546120	26.472	ng	99
34) Hexachlorobutadiene	10.457	225	507158	46.190	ng	99
35) Caprolactam	11.116	113	220723m	38.342	ng	
36) 4-Chloro-3-methylphenol	11.457	107	854374	48.396	ng	99
37) 2-Methylnaphthalene	11.804	142	1704601	44.627	ng	99
38) 1-Methylnaphthalene	12.027	142	1596541	42.292	ng	98
40) 1,2,4,5-Tetrachloroben...	12.186	216	900468	44.743	ng	99
41) Hexachlorocyclopentadiene	12.157	237	706855	100.583	ng	99
43) 2,4,6-Trichlorophenol	12.445	196	730297	51.053	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047248.D
Acq On : 19 Aug 2024 11:41
Operator : RC/JU
Sample : PB162722BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:29:16 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

Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.533	196	751909	47.342	ng	96
46) 1,1'-Biphenyl	12.851	154	2110926	40.186	ng	99
47) 2-Chloronaphthalene	12.886	162	1760638	42.883	ng	98
48) 2-Nitroaniline	13.110	65	584327	45.429	ng	97
49) Acenaphthylene	13.745	152	2911725	48.112	ng	99
50) Dimethylphthalate	13.510	163	2383136	46.245	ng	100
51) 2,6-Dinitrotoluene	13.627	165	549262	45.595	ng	90
52) Acenaphthene	14.098	154	1674765	43.626	ng	99
53) 3-Nitroaniline	13.957	138	464266	38.461	ng	99
54) 2,4-Dinitrophenol	14.186	184	726962	100.687	ng	90
55) Dibenzofuran	14.439	168	2764832	45.596	ng	98
56) 4-Nitrophenol	14.310	139	985808	94.708	ng	97
57) 2,4-Dinitrotoluene	14.433	165	759006	47.204	ng	97
58) Fluorene	15.092	166	2235554	44.682	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.680	232	678981	52.017	ng	94
60) Diethylphthalate	14.892	149	2389033	45.398	ng	98
61) 4-Chlorophenyl-phenyle...	15.092	204	1102538	46.287	ng	97
62) 4-Nitroaniline	15.139	138	543188	45.676	ng	95
63) Azobenzene	15.392	77	2117516	42.438	ng	95
65) 4,6-Dinitro-2-methylph...	15.204	198	495094	51.866	ng	93
66) n-Nitrosodiphenylamine	15.321	169	2028006	45.668	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	740850	47.156	ng	99
68) Hexachlorobenzene	16.104	284	856493	45.520	ng	95
69) Atrazine	16.292	200	682183	51.050	ng	100
70) Pentachlorophenol	16.456	266	1188882	90.138	ng	98
71) Phenanthrene	16.839	178	3744284	45.761	ng	100
72) Anthracene	16.927	178	3780949	47.491	ng	100
73) Carbazole	17.209	167	3743573	46.053	ng	99
74) Di-n-butylphthalate	17.792	149	4376795	46.274	ng	100
75) Fluoranthene	18.874	202	4719239	47.419	ng	99
77) Benzidine	19.074	184	1059177	41.334	ng	99
78) Pyrene	19.239	202	4888991	45.314	ng	99
80) Butylbenzylphthalate	20.174	149	2114181	48.016	ng	96
81) Benzo(a)anthracene	21.021	228	4727948	47.133	ng	99
82) 3,3'-Dichlorobenzidine	20.962	252	1446603	46.091	ng	99
83) Chrysene	21.080	228	4422279	46.466	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	2874516	46.034	ng	99
85) Di-n-octyl phthalate	22.009	149	5263990	49.597	ng	98
87) Indeno(1,2,3-cd)pyrene	26.762	276	5322846	48.154	ng	98
88) Benzo(b)fluoranthene	22.903	252	4827644	47.536	ng	99
89) Benzo(k)fluoranthene	22.962	252	4834224	50.396	ng	99
90) Benzo(a)pyrene	23.627	252	4567416	51.917	ng	98
91) Dibenzo(a,h)anthracene	26.815	278	4350511	48.633	ng	99
92) Benzo(g,h,i)perylene	27.703	276	4091430	44.052	ng	99

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

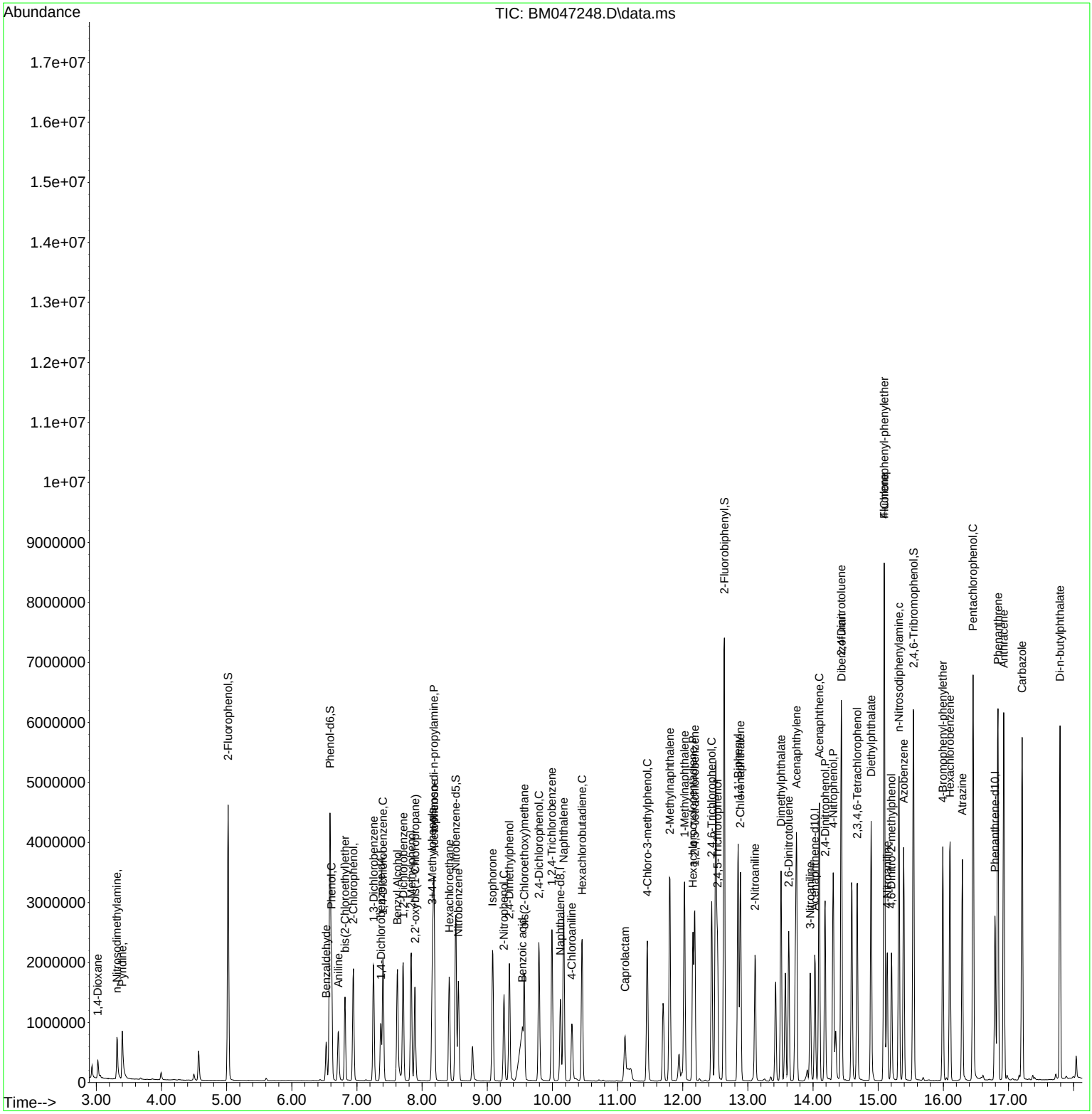
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047248.D
Acq On : 19 Aug 2024 11:41
Operator : RC/JU
Sample : PB162722BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:29:16 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

Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081924\
Data File : BM047248.D
Acq On : 19 Aug 2024 11:41
Operator : RC/JU
Sample : PB162722BSD
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Quant Time: Aug 19 12:29:16 2024
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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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Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
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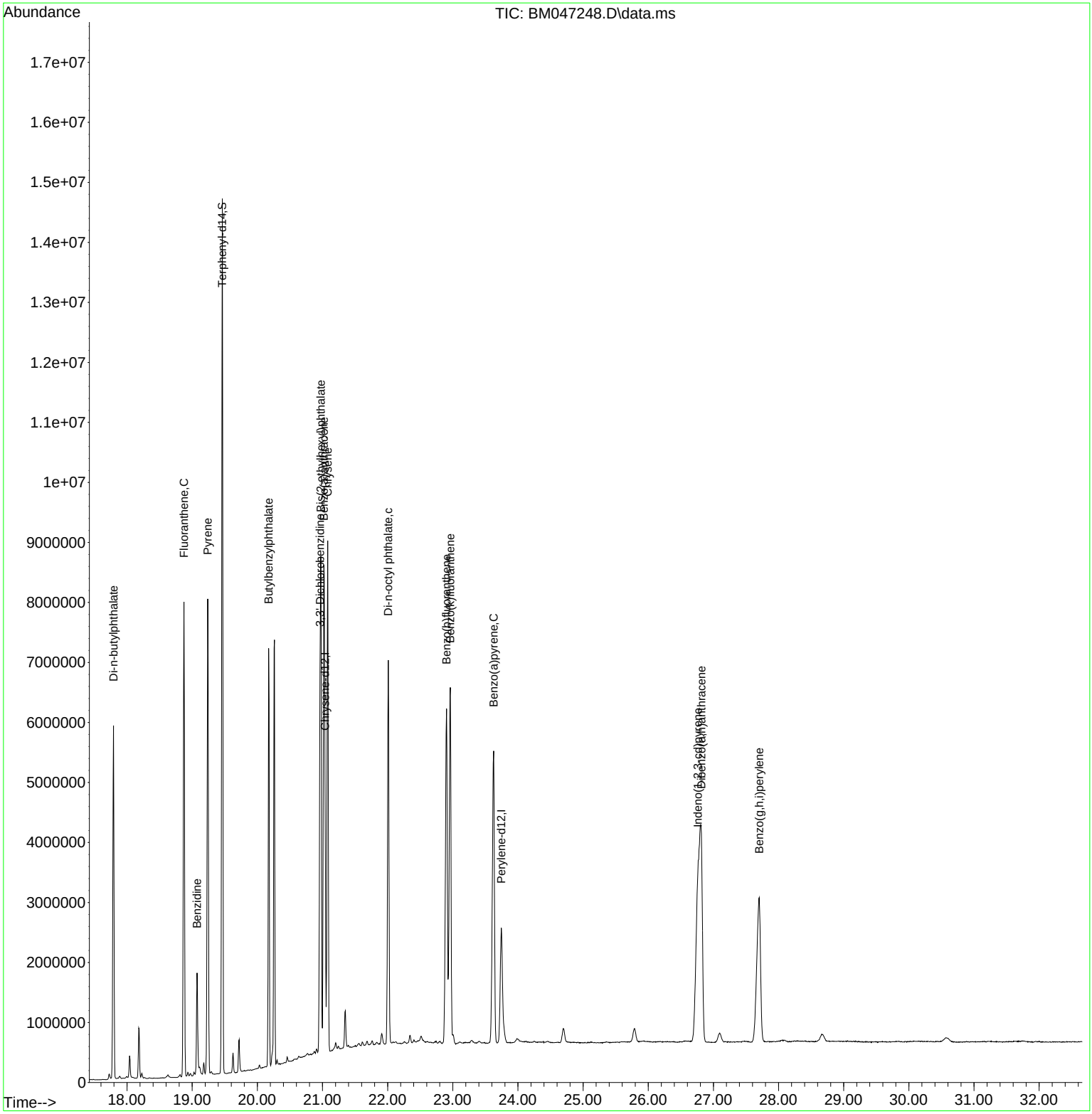
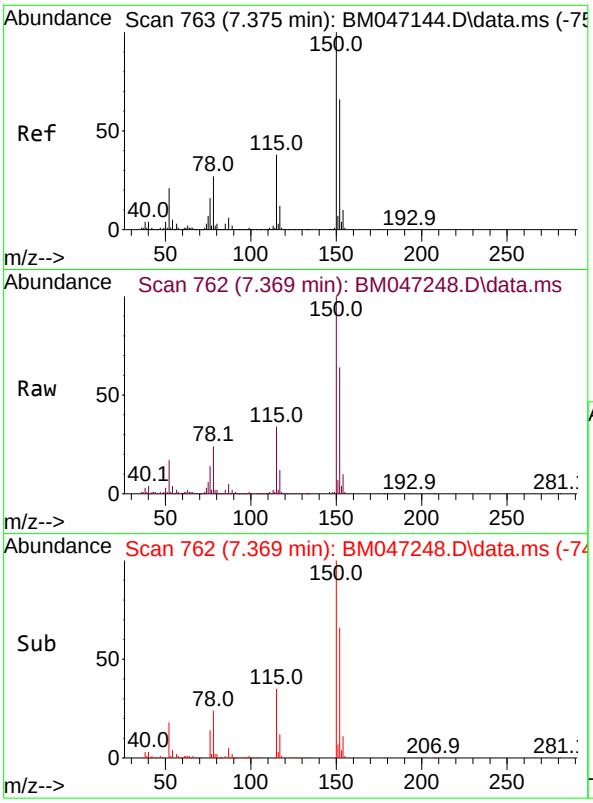
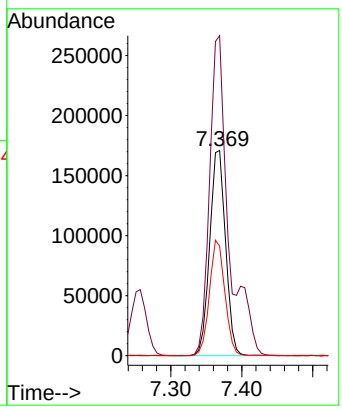




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:152 Resp: 26560

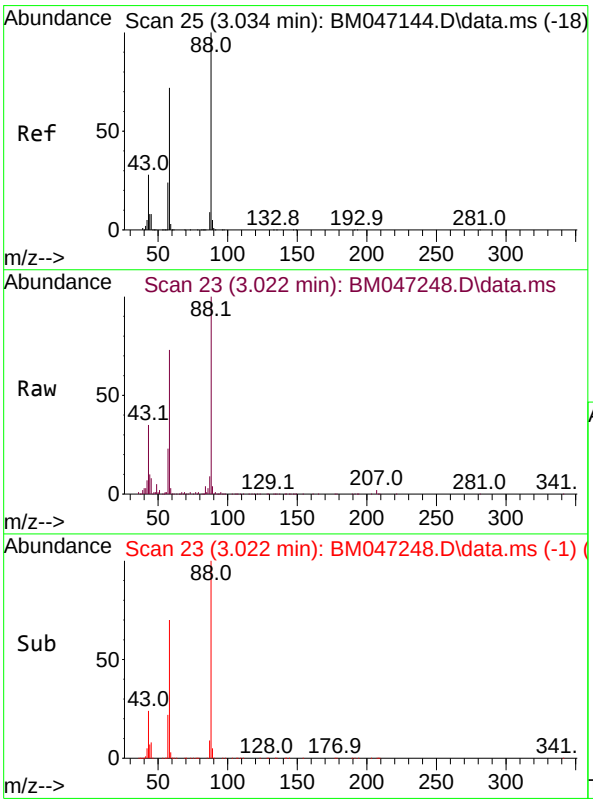
Ion	Ratio	Lower	Upper
152	100		
150	155.9	120.5	180.7
115	53.3	45.5	68.3



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations
APPROVED

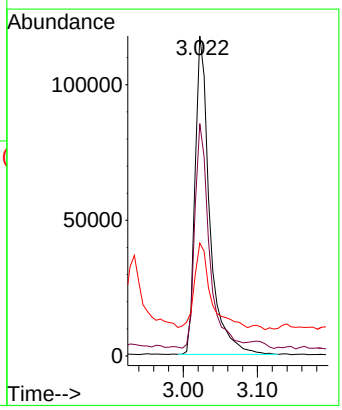
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

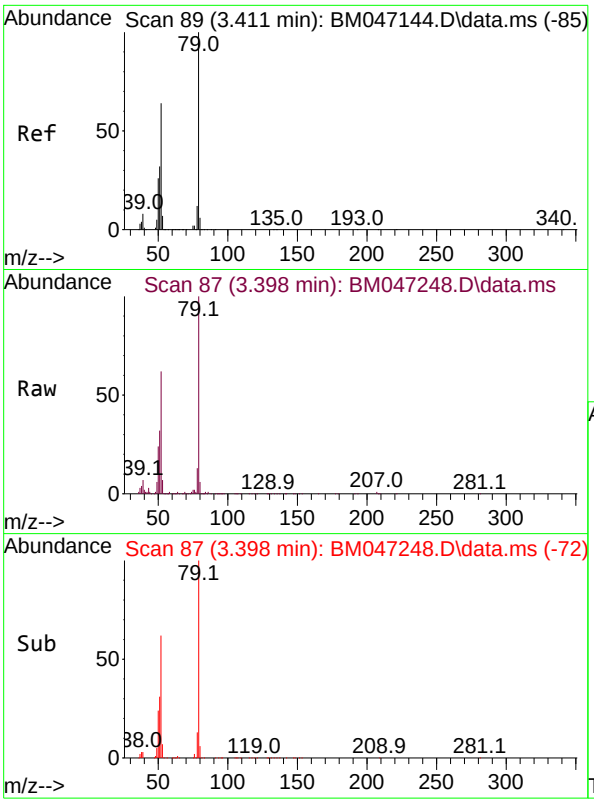


#2
1,4-Dioxane
Concen: 26.162 ng
RT: 3.022 min Scan# 23
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 88 Resp: 161132

Ion	Ratio	Lower	Upper
88	100		
58	69.8	58.2	87.4
43	28.7	22.5	33.7

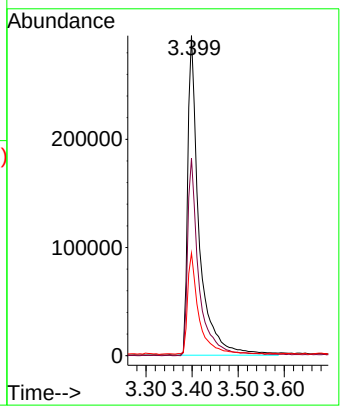




#3
Pyridine
Concen: 28.021 ng
RT: 3.398 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 79 Resp: 50608

Ion	Ratio	Lower	Upper
79	100		
52	61.7	51.2	76.8
51	32.1	26.1	39.1



Instrument :
BNA_M
ClientSampleId :
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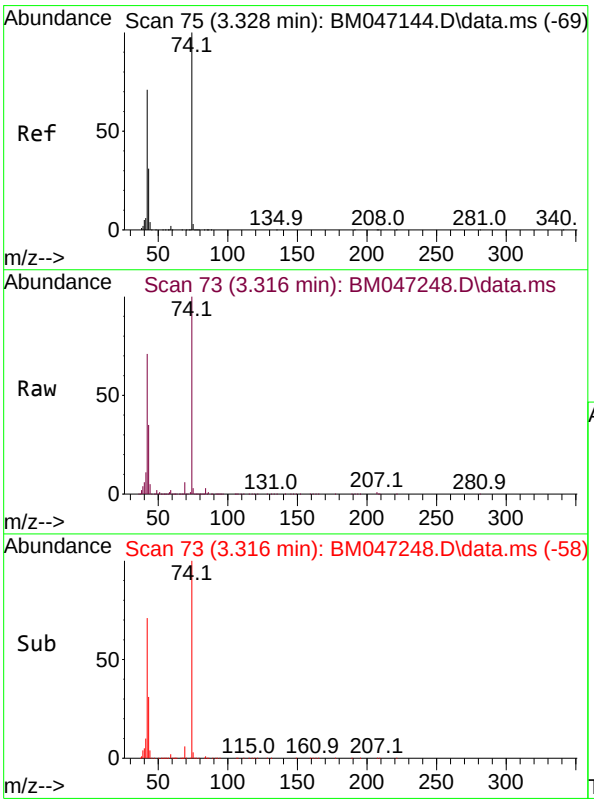
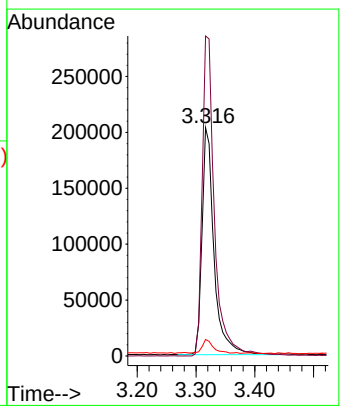
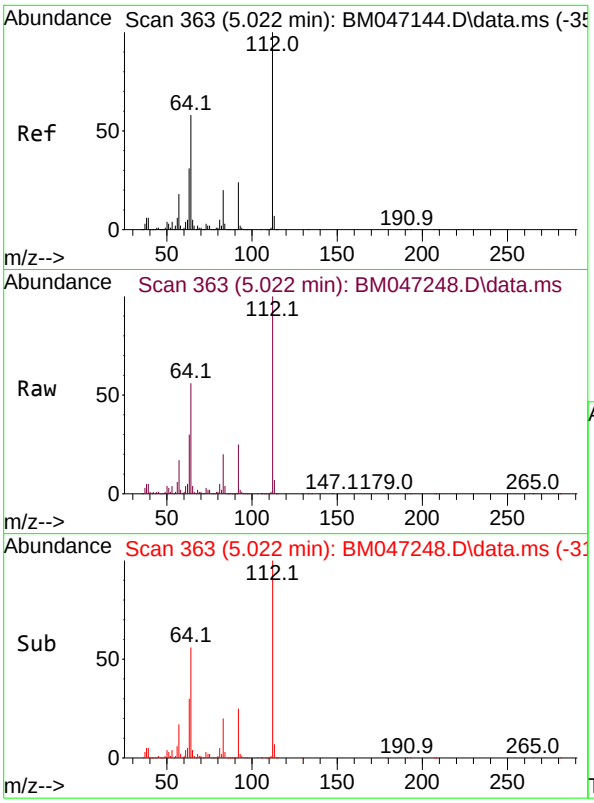


#4
n-Nitrosodimethylamine
Concen: 36.643 ng
RT: 3.316 min Scan# 73
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 42 Resp: 289137

Ion	Ratio	Lower	Upper
42	100		
74	140.1	112.9	169.3
44	7.2	5.3	7.9





#5
2-Fluorophenol
Concen: 129.441 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:112 Resp: 192410(

Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.7	70.1
63	29.8	24.8	37.2

Instrument :
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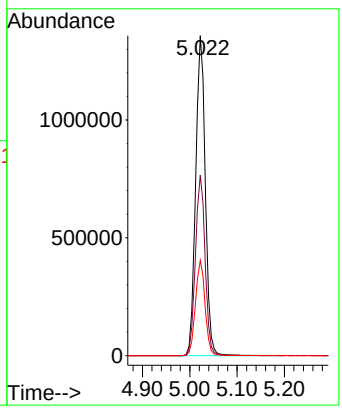
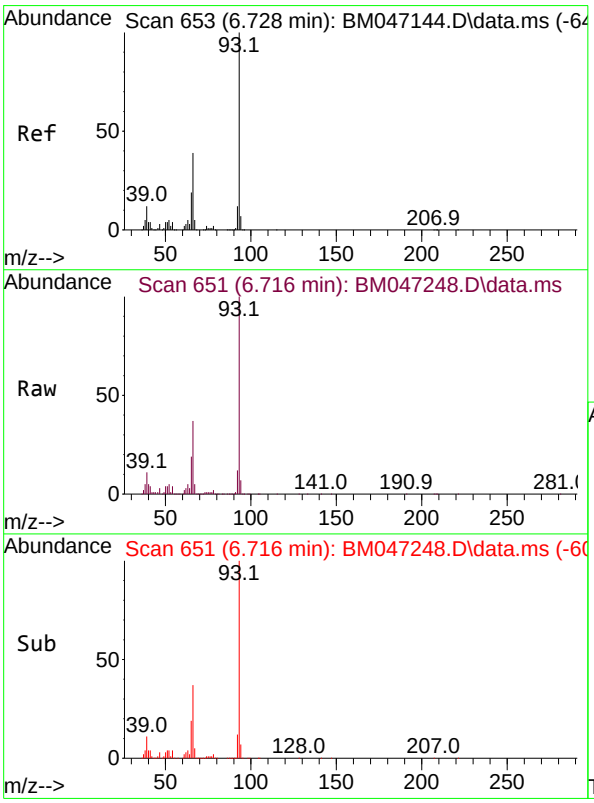
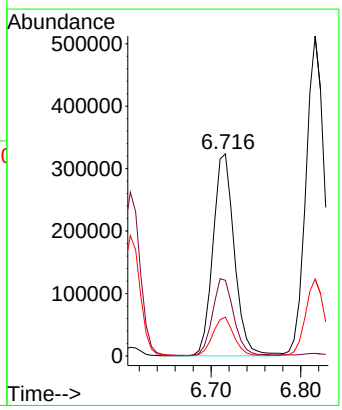


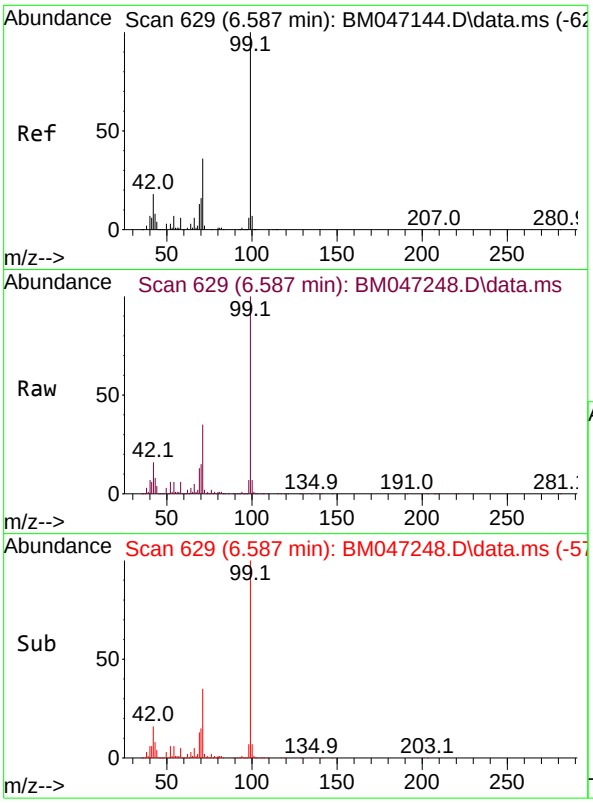


#6
Aniline
Concen: 27.687 ng
RT: 6.716 min Scan# 651
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 93 Resp: 536002

Ion	Ratio	Lower	Upper
93	100		
66	37.5	31.4	47.2
65	19.1	15.6	23.4

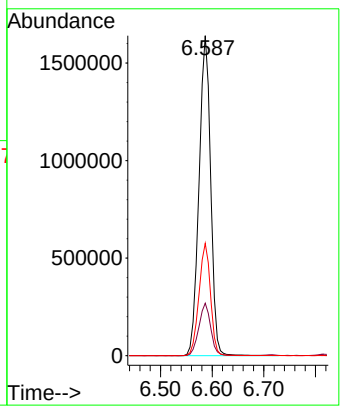




#7
Phenol-d6
Concen: 125.057 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 99 Resp: 256144

Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.1	21.1
71	35.1	28.5	42.7



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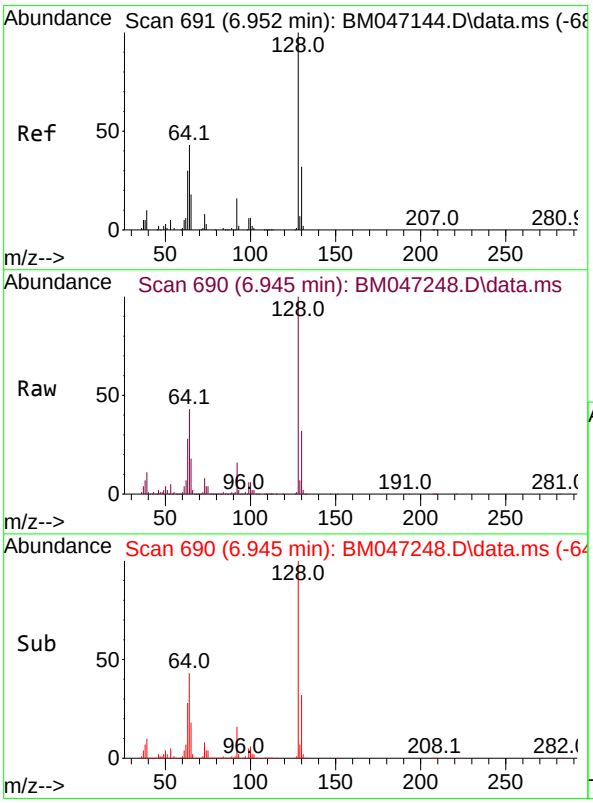
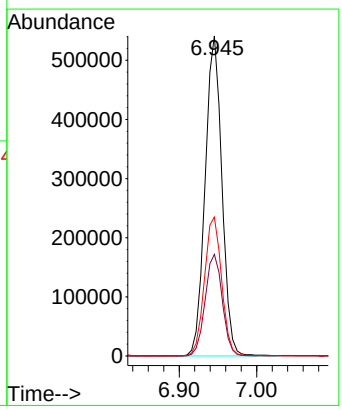
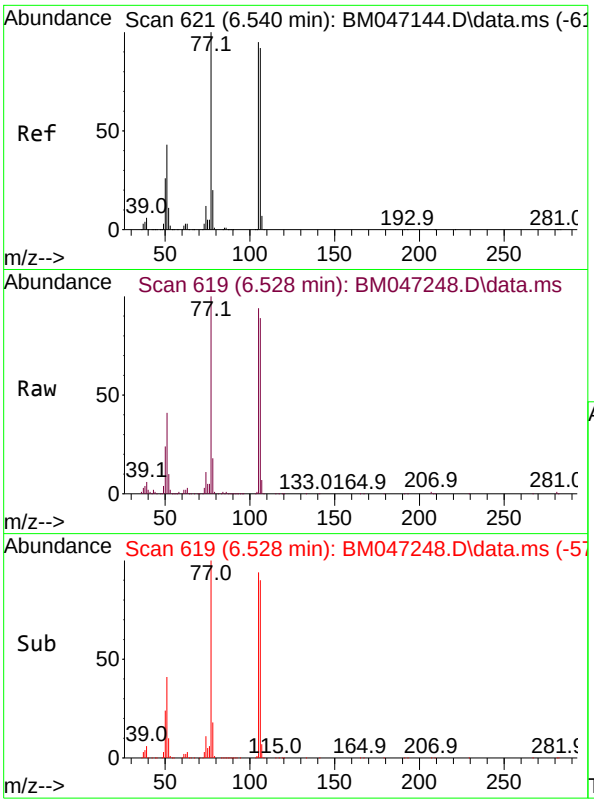


#8
2-Chlorophenol
Concen: 50.186 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:128 Resp: 813650

Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.1	52.1
64	43.4	26.6	66.6

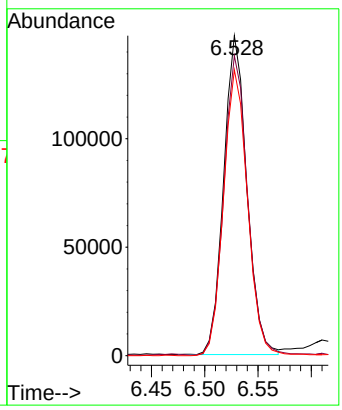




#9
Benzaldehyde
Concen: 16.514 ng
RT: 6.528 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 77 Resp: 22256

Ion	Ratio	Lower	Upper
77	100		
105	93.7	74.5	114.5
106	89.3	72.3	112.3



Instrument :
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ClientSampleId :
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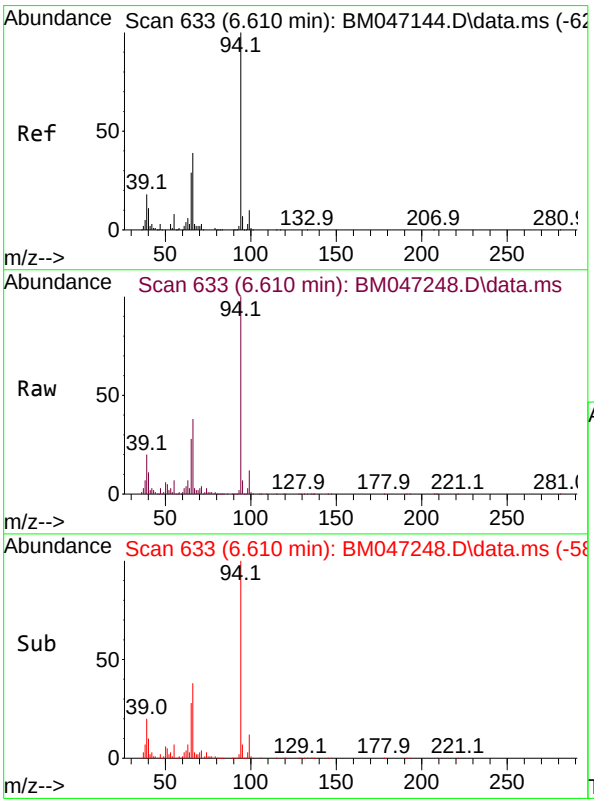
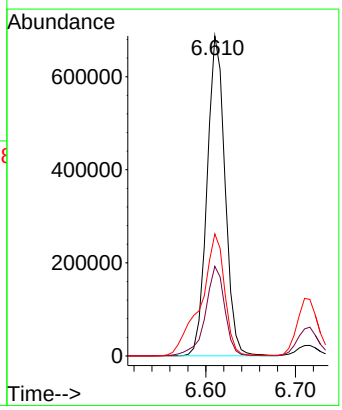
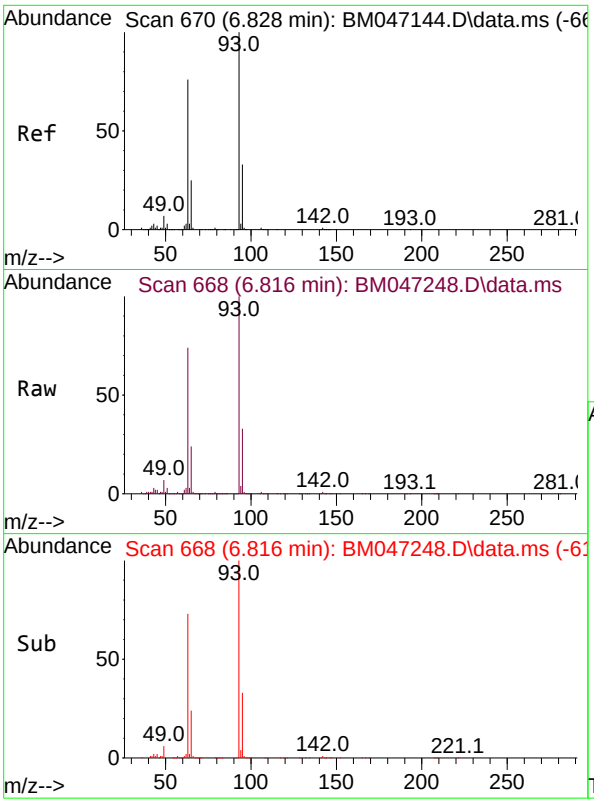


#10
Phenol
Concen: 46.706 ng
RT: 6.610 min Scan# 633
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 94 Resp: 954556

Ion	Ratio	Lower	Upper
94	100		
65	28.0	9.0	49.0
66	38.2	18.9	58.9

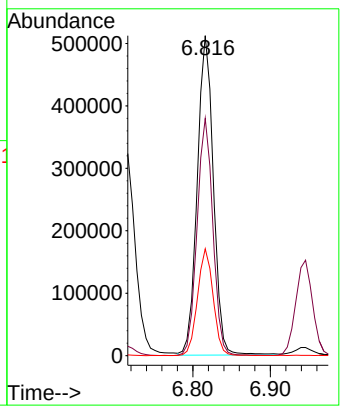




#11
bis(2-Chloroethyl)ether
Concen: 42.329 ng
RT: 6.816 min Scan# 6(
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 93 Resp: 74085

Ion	Ratio	Lower	Upper
93	100		
63	74.1	55.8	95.8
95	33.4	12.7	52.7



Instrument :
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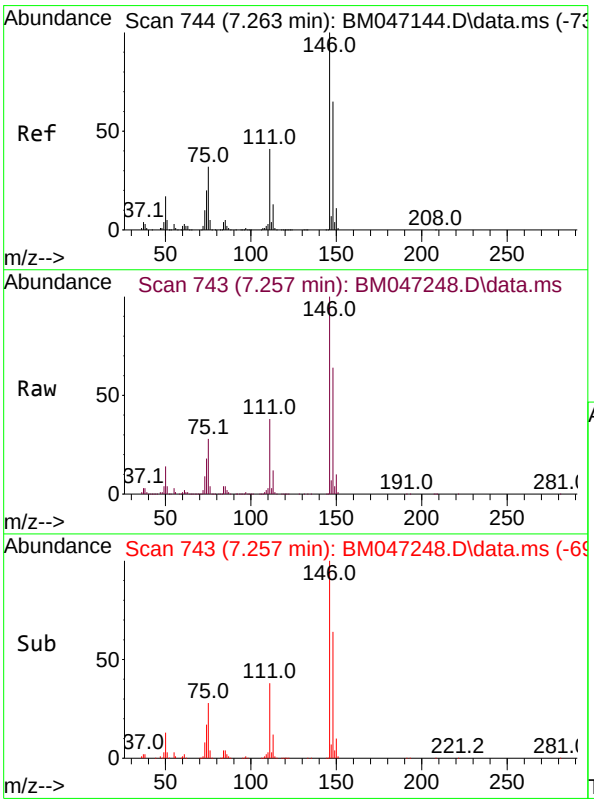
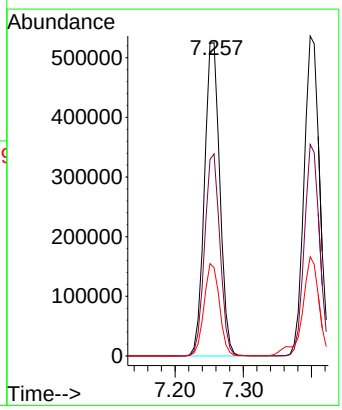
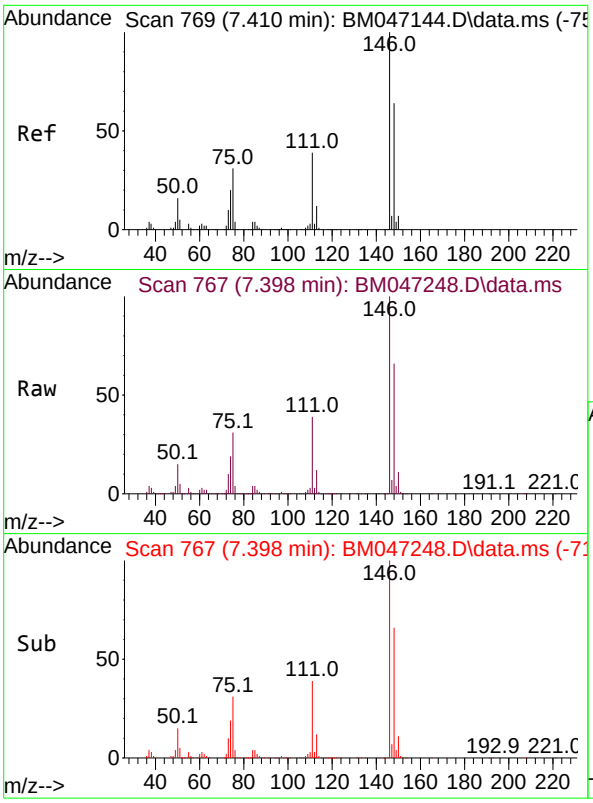


#12
1,3-Dichlorobenzene
Concen: 42.848 ng
RT: 7.257 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:146 Resp: 825487

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.3	78.5
75	28.2	25.8	38.6

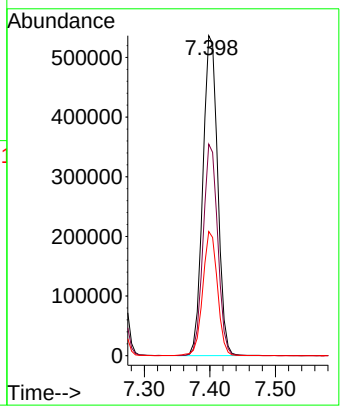




#13
1,4-Dichlorobenzene
Concen: 43.313 ng
RT: 7.398 min Scan# 7
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:146 Resp: 84486

Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.4	77.2
111	38.8	31.5	47.3



Instrument :
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ClientSampleId :
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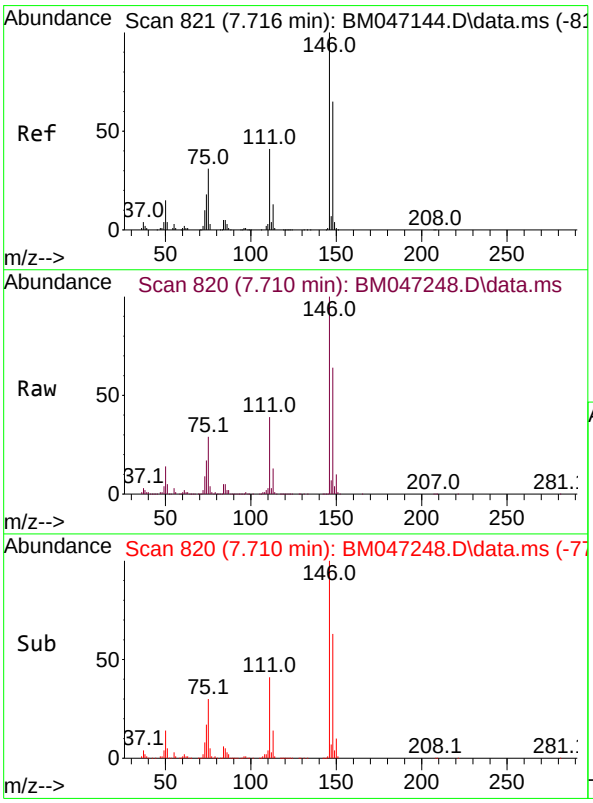
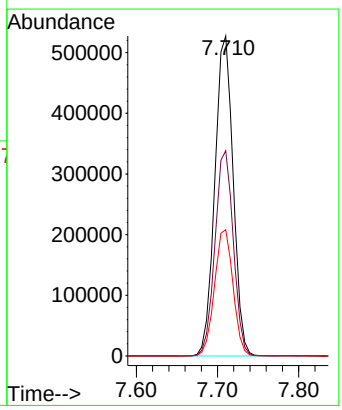
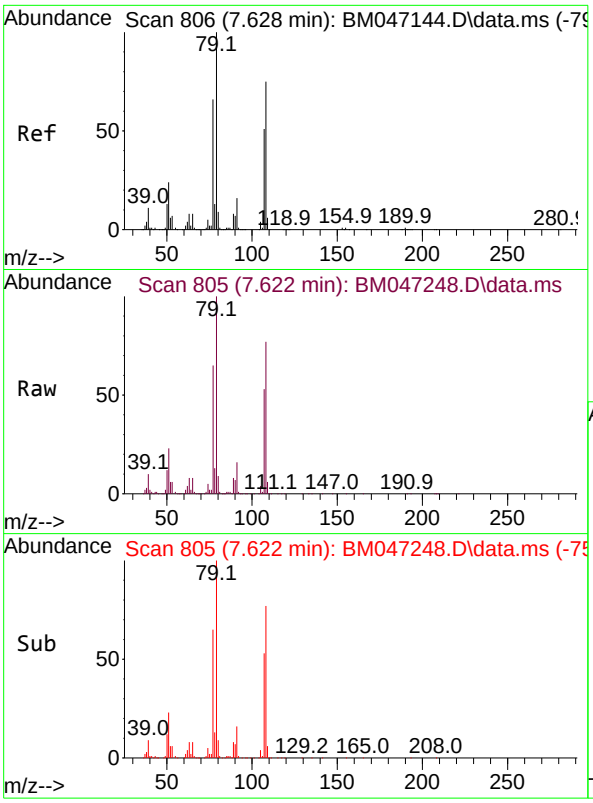


#14
1,2-Dichlorobenzene
Concen: 44.925 ng
RT: 7.710 min Scan# 820
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:146 Resp: 826822

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.8
111	39.5	33.3	49.9

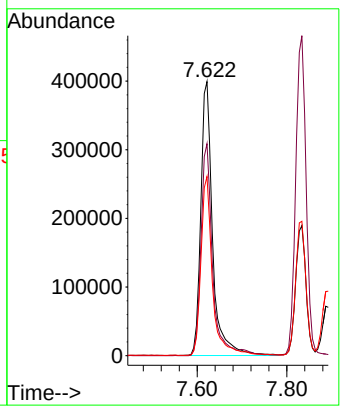




#15
Benzyl Alcohol
Concen: 49.908 ng
RT: 7.622 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 79 Resp: 72751

Ion	Ratio	Lower	Upper
79	100		
108	77.3	59.7	89.5
77	65.4	52.9	79.3



Instrument :
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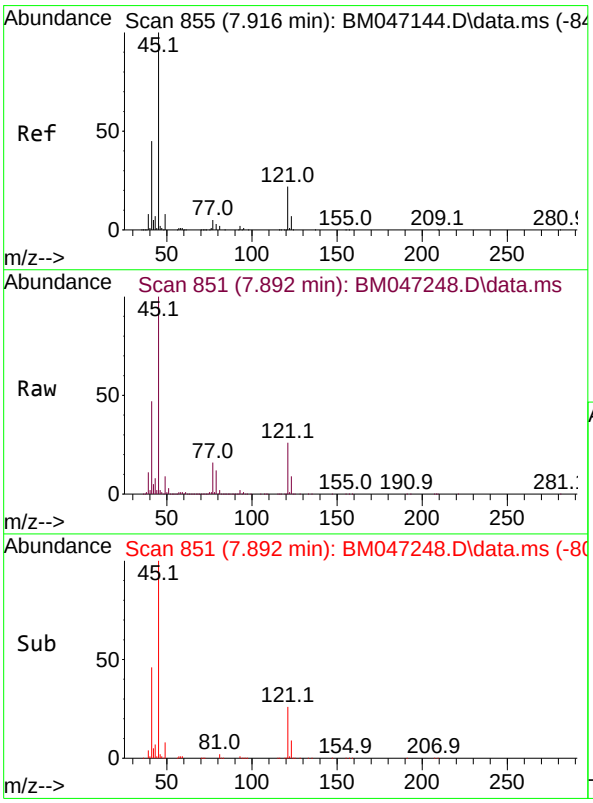
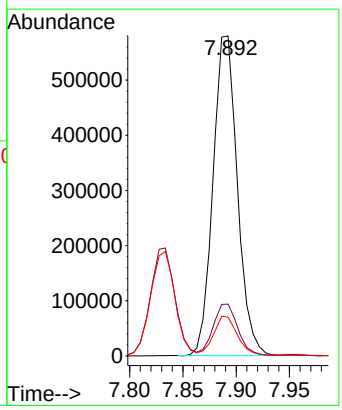
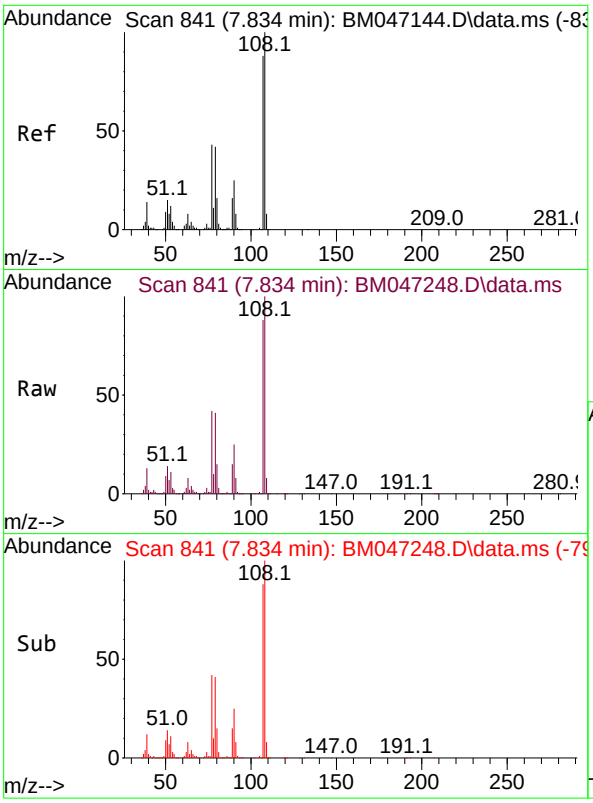


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.058 ng
RT: 7.892 min Scan# 851
Delta R.T. -0.024 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 45 Resp: 922108

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	35.6
79	12.1	0.0	32.4

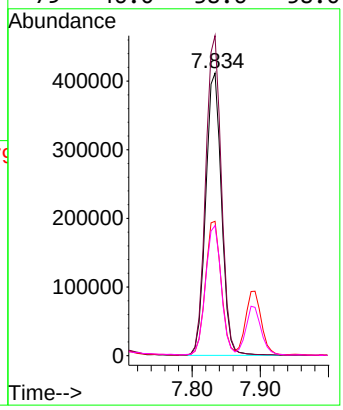




#17
2-Methylphenol
Concen: 48.563 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:107 Resp: 66214

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	135.8
77	47.6	39.3	58.9
79	46.0	38.6	58.0



Instrument :
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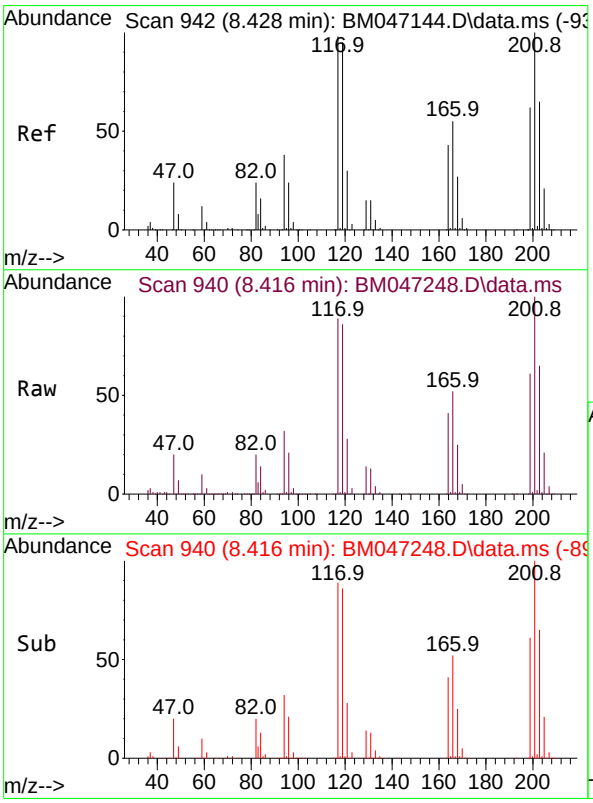
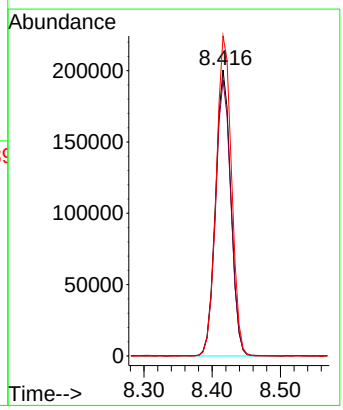
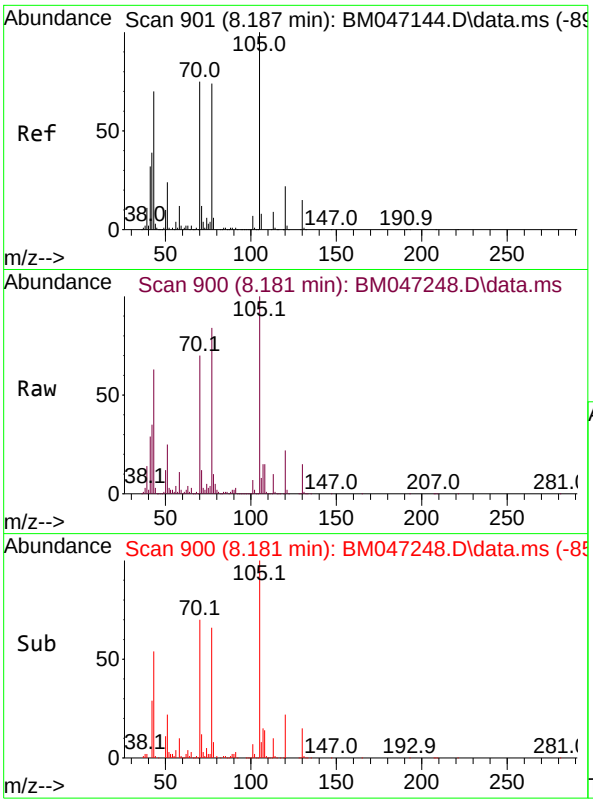


#18
Hexachloroethane
Concen: 41.498 ng
RT: 8.416 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:117 Resp: 313548

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.4
201	111.9	81.3	121.9

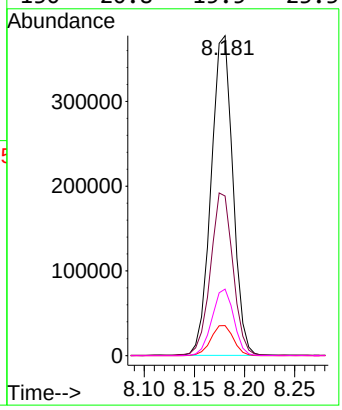




#19
n-Nitroso-di-n-propylamine
Concen: 41.220 ng
RT: 8.181 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 70 Resp: 56869(

Ion	Ratio	Lower	Upper
70	100		
42	49.9	42.0	63.0
101	9.4	7.2	10.8
130	20.8	15.5	23.3



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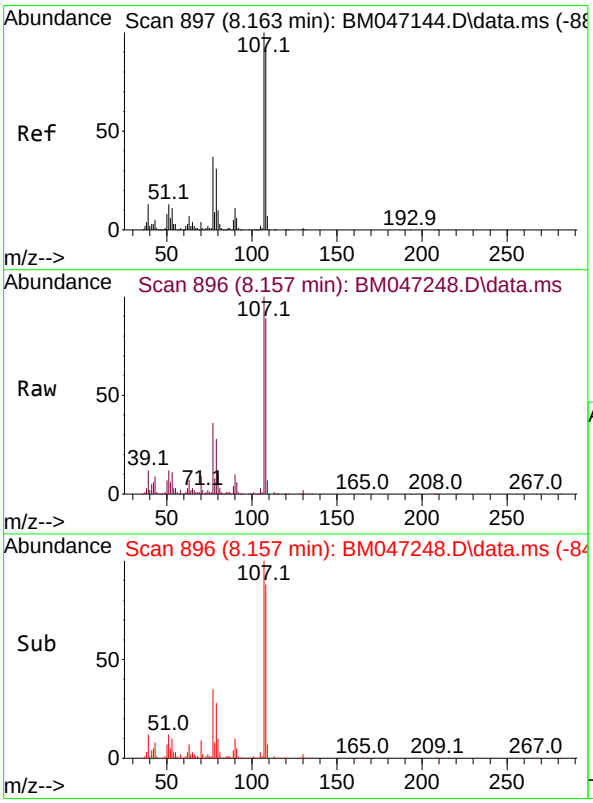
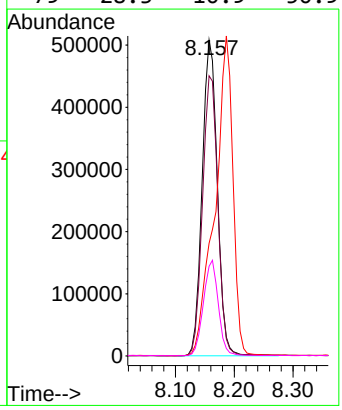
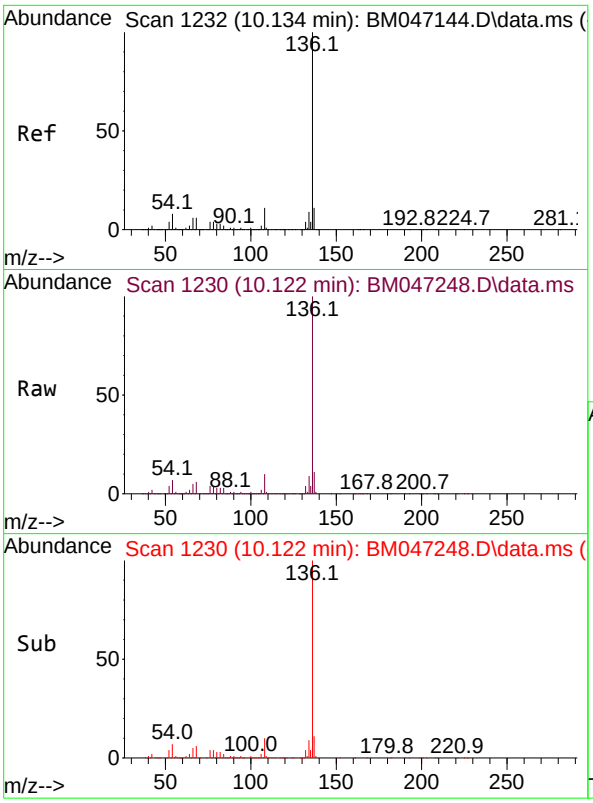


#20
3+4-Methylphenols
Concen: 47.550 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:107 Resp: 906389

Ion	Ratio	Lower	Upper
107	100		
108	88.6	70.7	110.7
77	35.7	17.4	57.4
79	28.3	10.9	50.9

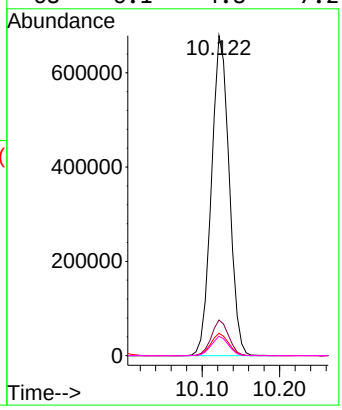




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:136 Resp: 107689

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.0	6.0	9.0
68	6.1	4.8	7.2



Instrument :
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ClientSampleId :
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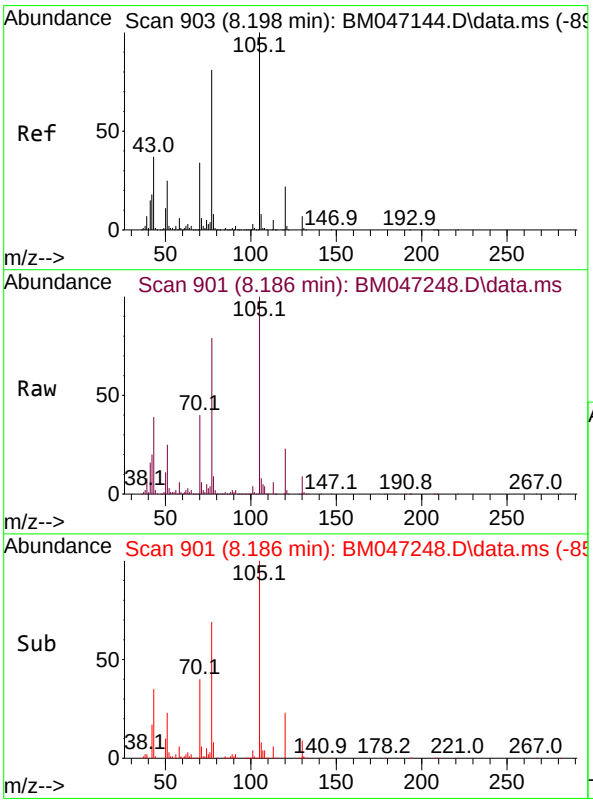
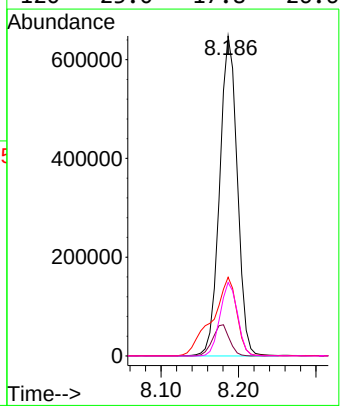
Supervised By :mohammad ahmed 08/21/2024

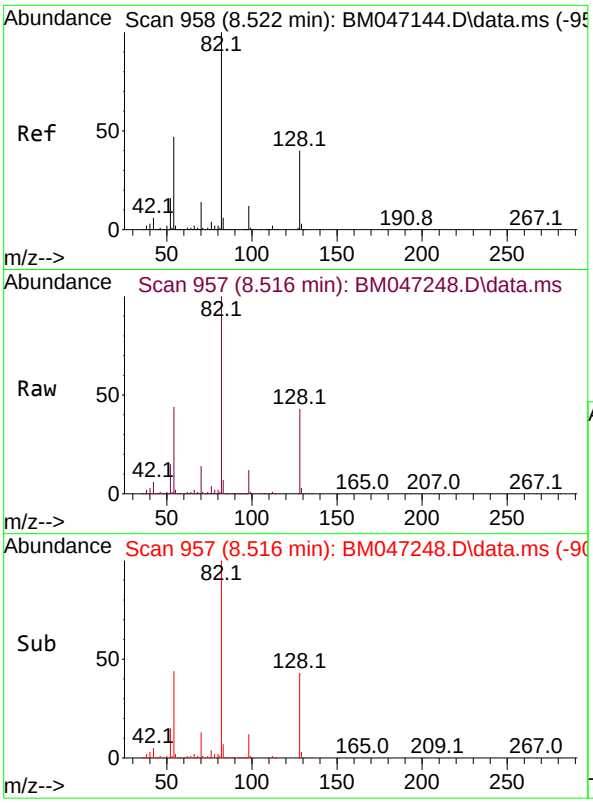


#22
Acetophenone
Concen: 39.519 ng
RT: 8.186 min Scan# 901
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:105 Resp: 1027265

Ion	Ratio	Lower	Upper
105	100		
71	6.2	4.5	6.7
51	24.6	20.1	30.1
120	23.0	17.8	26.6

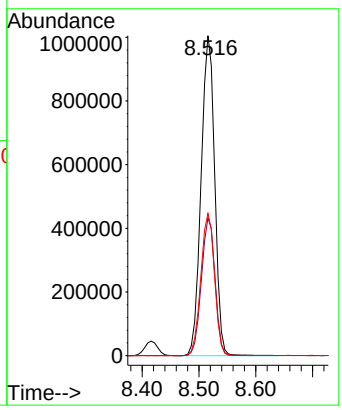




#23
Nitrobenzene-d5
Concen: 77.936 ng
RT: 8.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 82 Resp: 166680

Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.3	48.5
54	44.4	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
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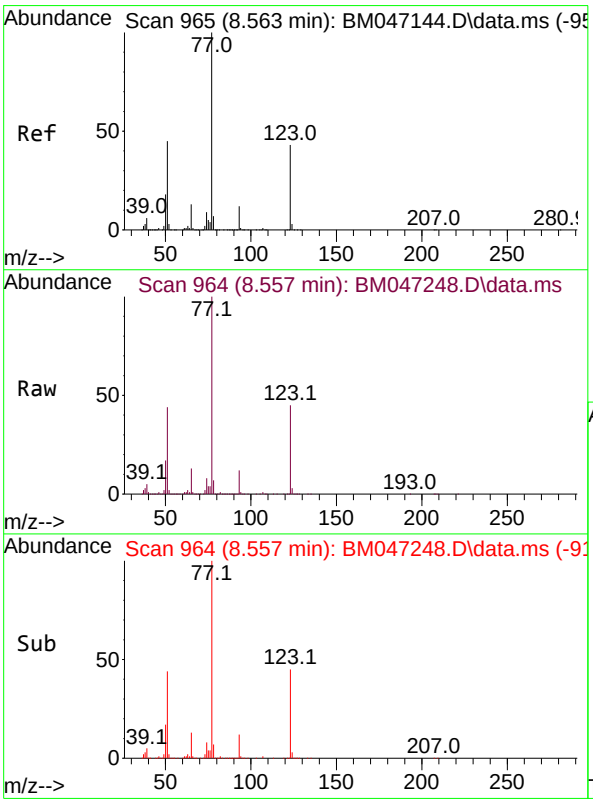
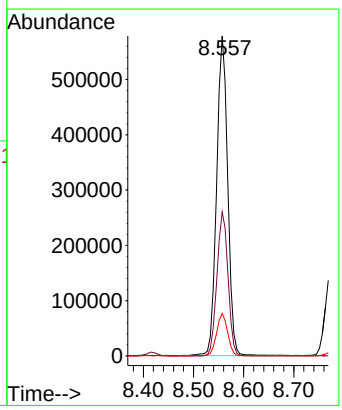
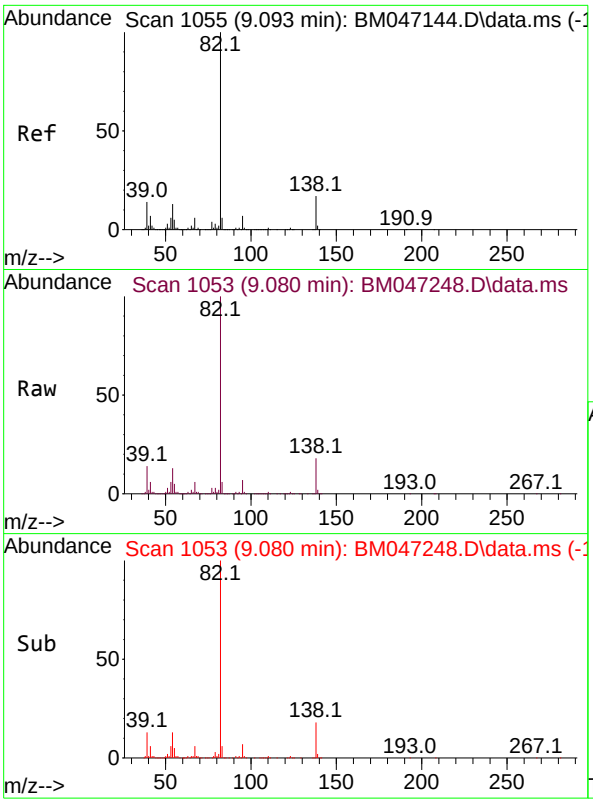


#24
Nitrobenzene
Concen: 41.052 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 77 Resp: 884058

Ion	Ratio	Lower	Upper
77	100		
123	45.0	34.0	51.0
65	13.2	10.5	15.7

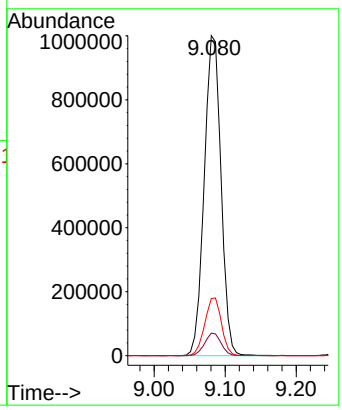




#25
Isophorone
Concen: 44.168 ng
RT: 9.080 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 82 Resp: 164472(

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.9	13.5	20.3



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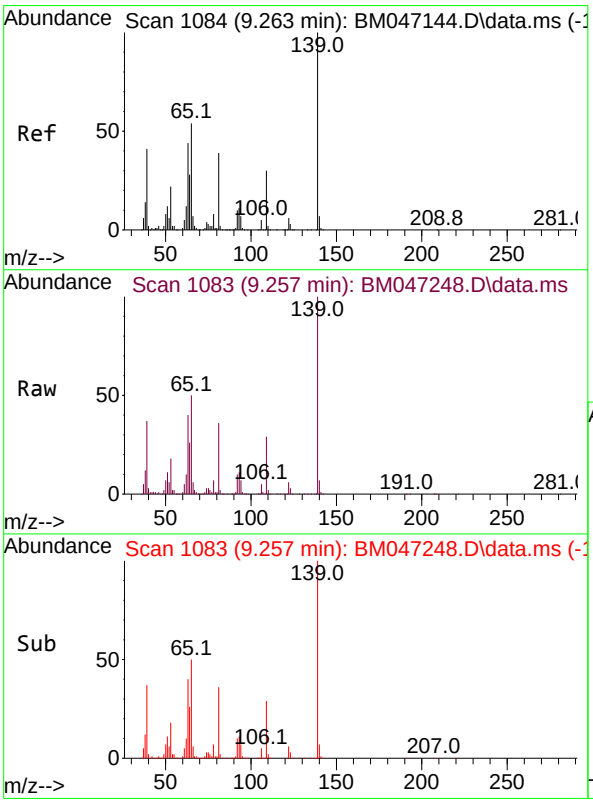
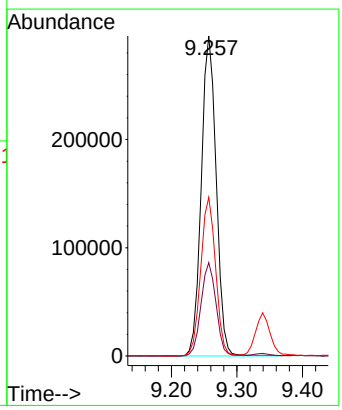
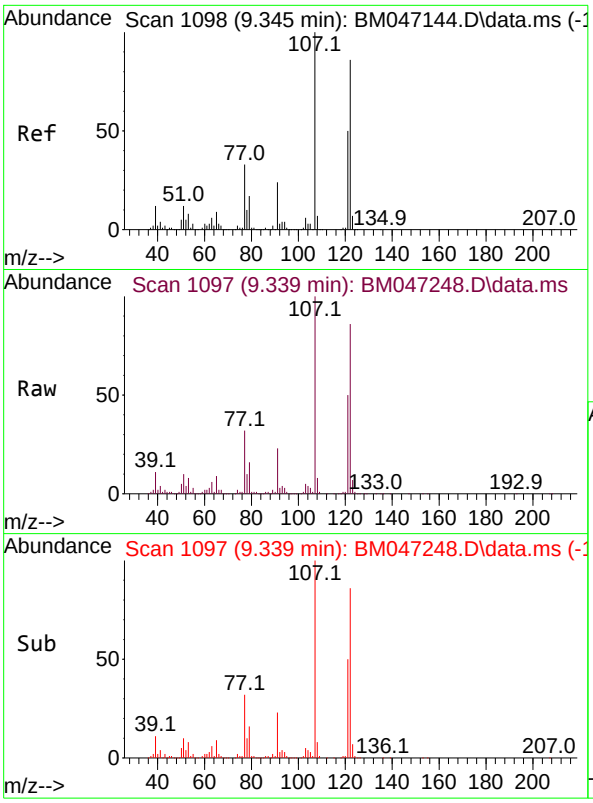


#26
2-Nitrophenol
Concen: 49.222 ng
RT: 9.257 min Scan# 1083
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:139 Resp: 469438

Ion	Ratio	Lower	Upper
139	100		
109	29.1	24.4	36.6
65	49.6	43.0	64.6

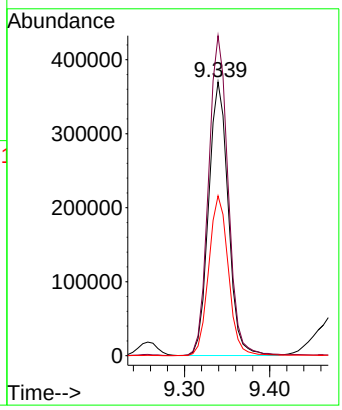




#27
2,4-Dimethylphenol
Concen: 52.927 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:122 Resp: 59128

Ion	Ratio	Lower	Upper
122	100		
107	116.9	92.8	139.2
121	58.4	46.1	69.1



Instrument :
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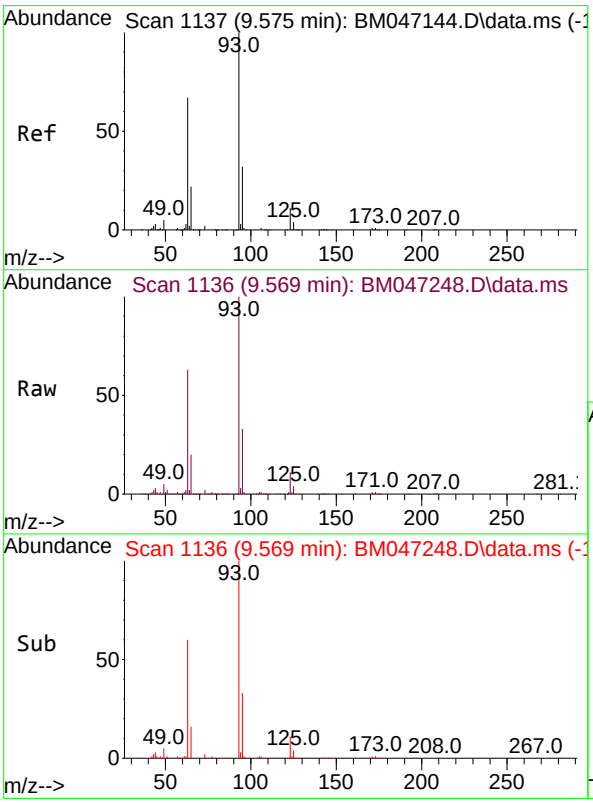
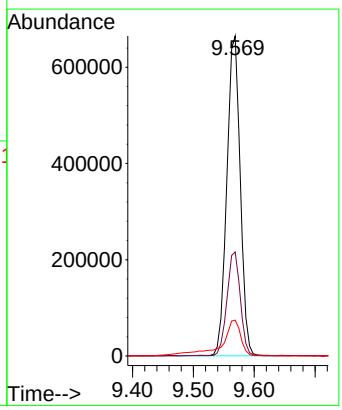
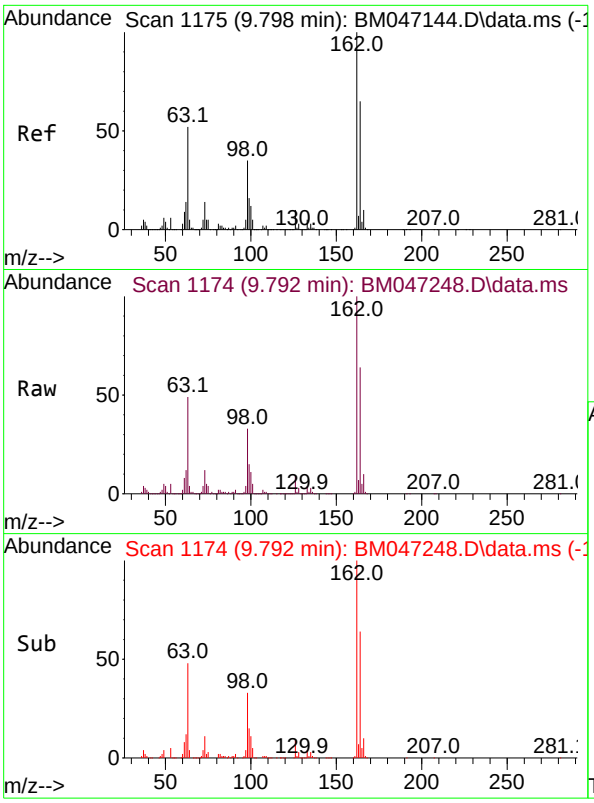


#28
bis(2-Chloroethoxy)methane
Concen: 43.489 ng
RT: 9.569 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 93 Resp: 1018995

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.2	9.0	13.4

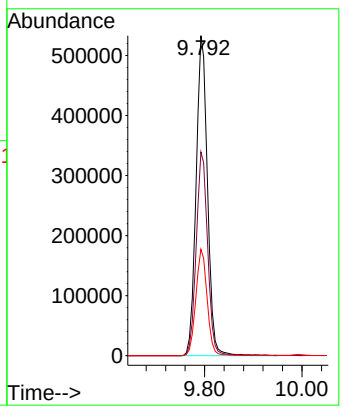




#29
2,4-Dichlorophenol
Concen: 52.589 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:162 Resp: 87173

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.7	84.7
98	33.3	14.9	54.9



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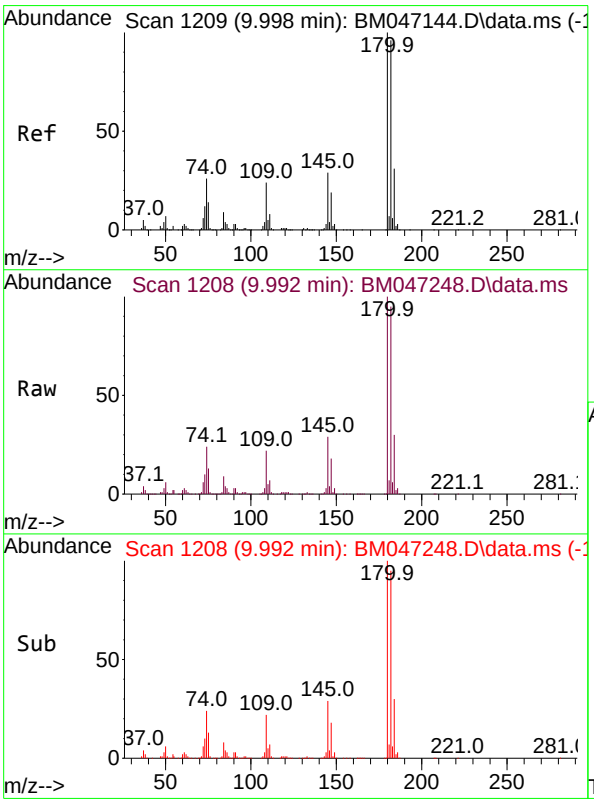
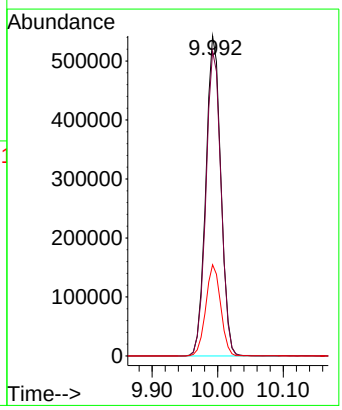
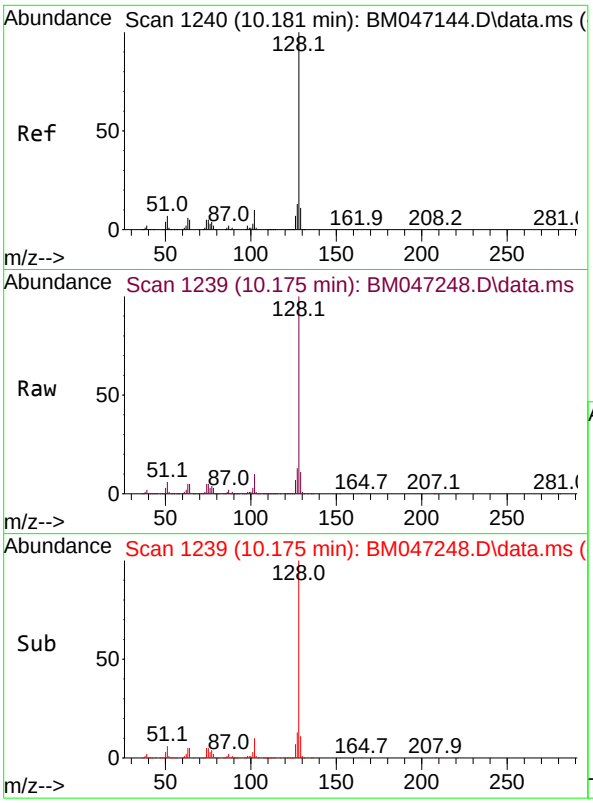


#30
1,2,4-Trichlorobenzene
Concen: 46.056 ng
RT: 9.992 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:180 Resp: 863965

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
145	28.5	23.4	35.2

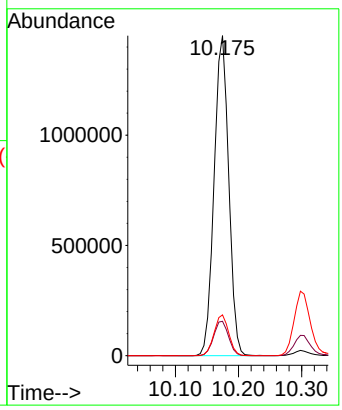




#31
Naphthalene
Concen: 43.420 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:128 Resp: 232936

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.7	10.2	15.4



Instrument :
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ClientSampleId :
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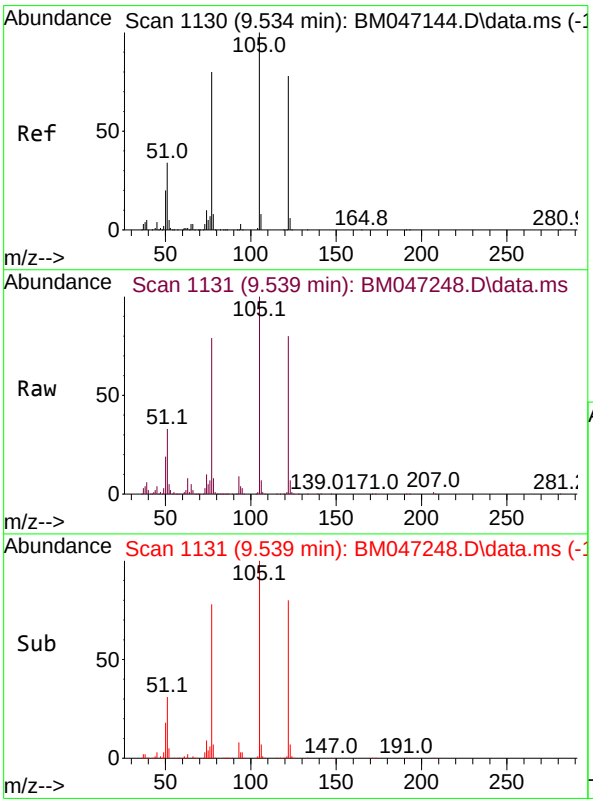
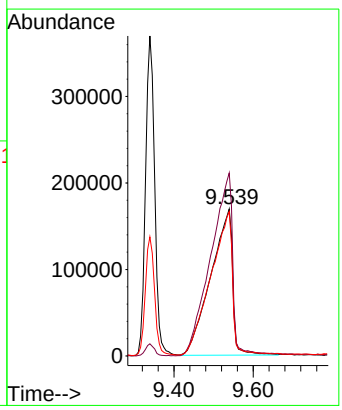
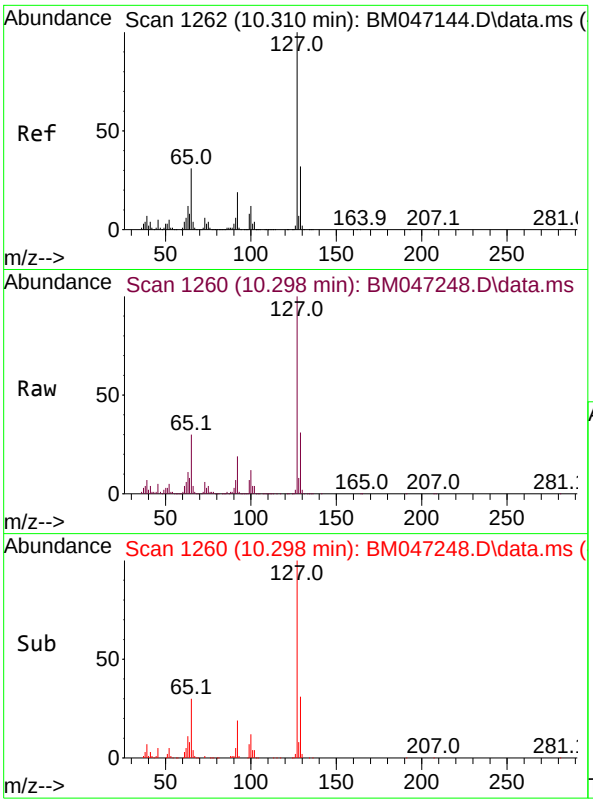


#32
Benzoic acid
Concen: 49.823 ng
RT: 9.539 min Scan# 1131
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:122 Resp: 646679

Ion	Ratio	Lower	Upper
122	100		
105	124.5	107.1	147.1
77	98.2	82.1	122.1

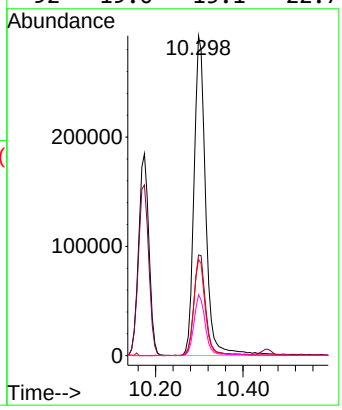




#33
4-Chloroaniline
Concen: 26.472 ng
RT: 10.298 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:127 Resp: 54612

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.8
65	30.0	24.9	37.3
92	19.0	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
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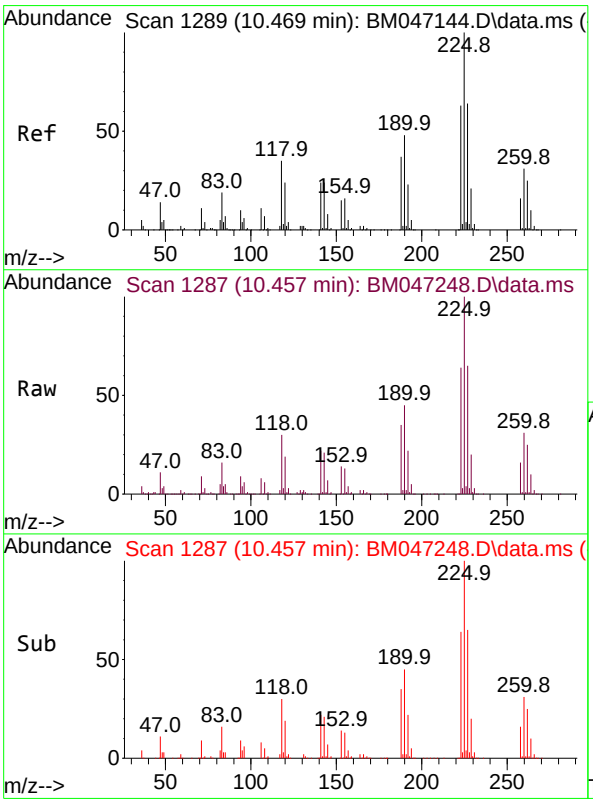
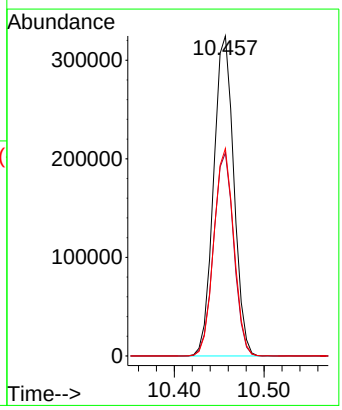
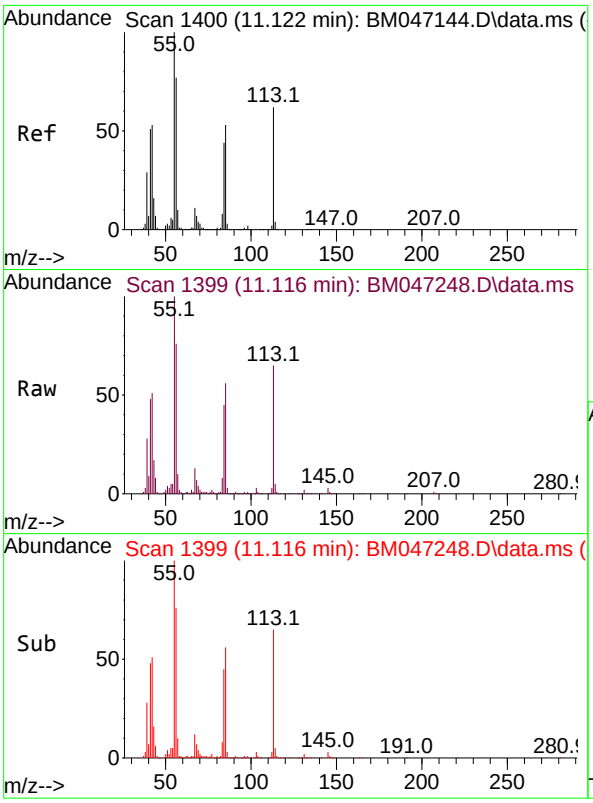


#34
Hexachlorobutadiene
Concen: 46.190 ng
RT: 10.457 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:225 Resp: 507158

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.2
227	64.9	51.4	77.0

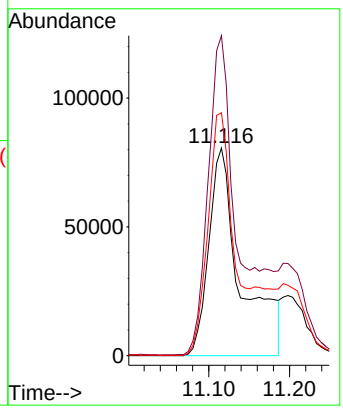




#35
Caprolactam
Concen: 38.342 ng m
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:113 Resp: 22072

Ion	Ratio	Lower	Upper
113	100		
55	154.1	140.5	180.5
56	117.0	103.6	143.6



Instrument :
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ClientSampleId :
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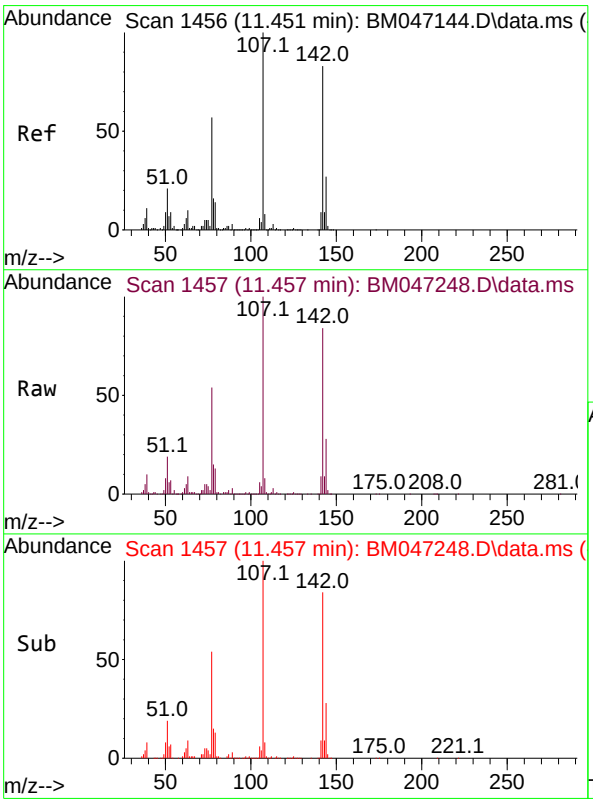
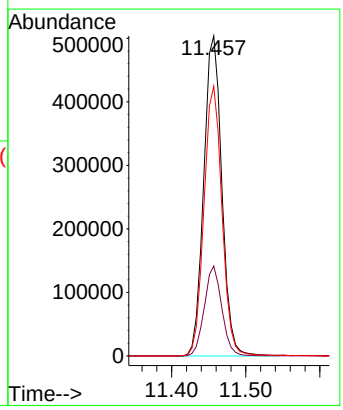
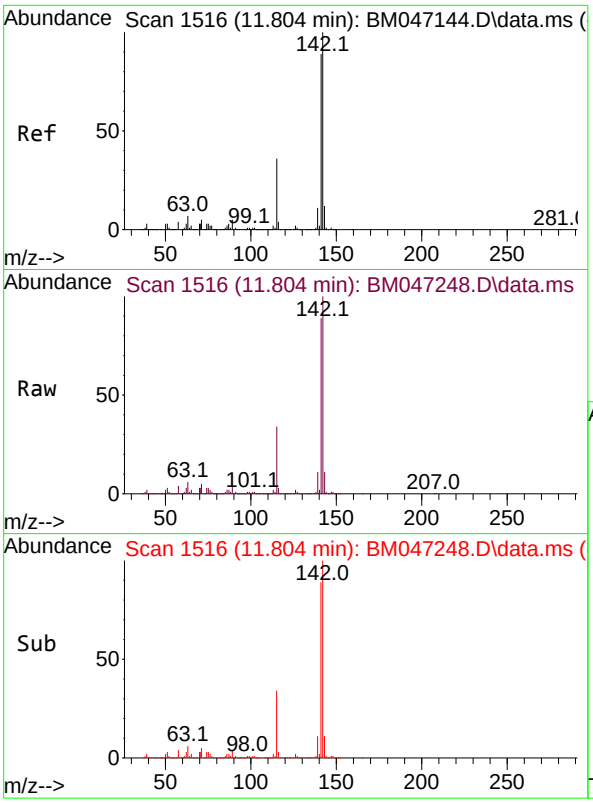


#36
4-Chloro-3-methylphenol
Concen: 48.396 ng
RT: 11.457 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:107 Resp: 854374

Ion	Ratio	Lower	Upper
107	100		
144	28.1	21.8	32.6
142	84.3	66.8	100.2

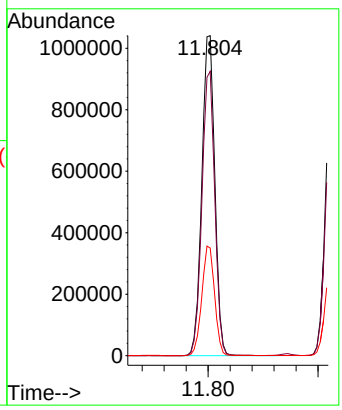




#37
2-Methylnaphthalene
Concen: 44.627 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:142 Resp: 170460

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.9	106.3
115	33.7	28.7	43.1



Instrument :
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ClientSampleId :
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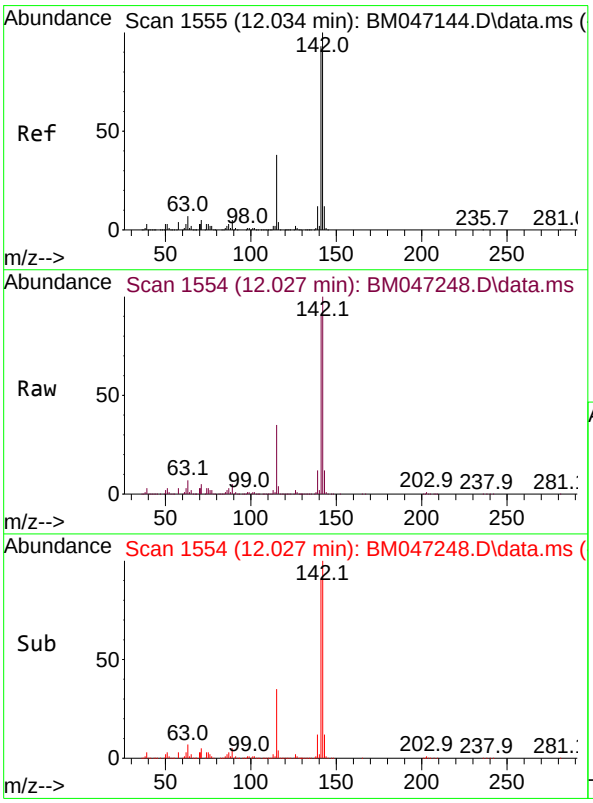
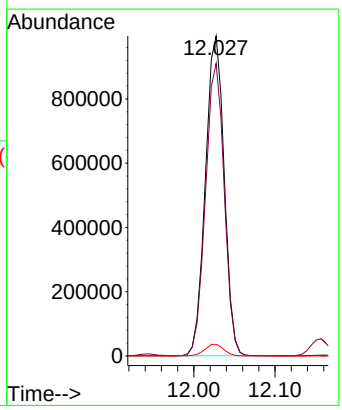
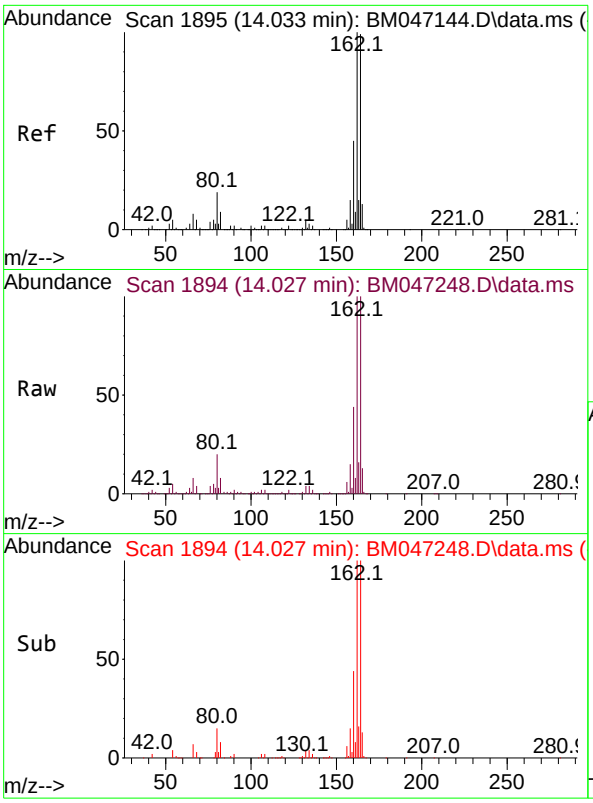


#38
1-Methylnaphthalene
Concen: 42.292 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:142 Resp: 1596541

Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.6	111.8
116	3.7	3.1	4.7

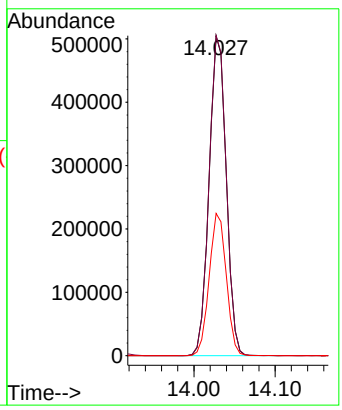




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:164 Resp: 73786

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.7	121.1
160	44.5	36.0	54.0



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

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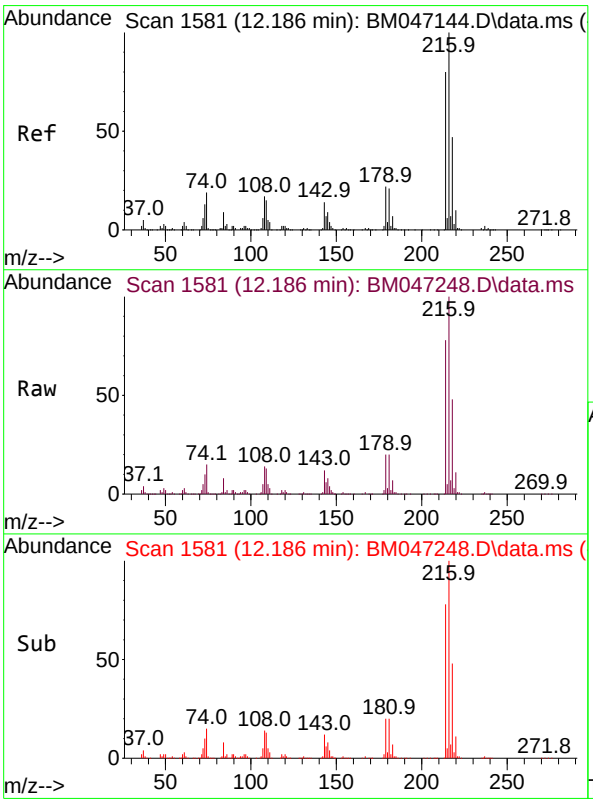
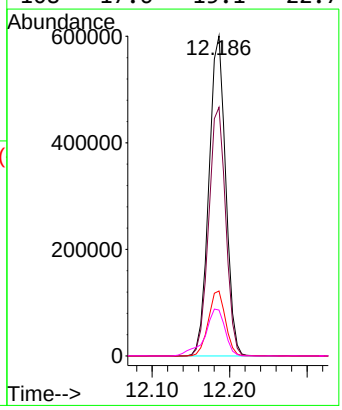
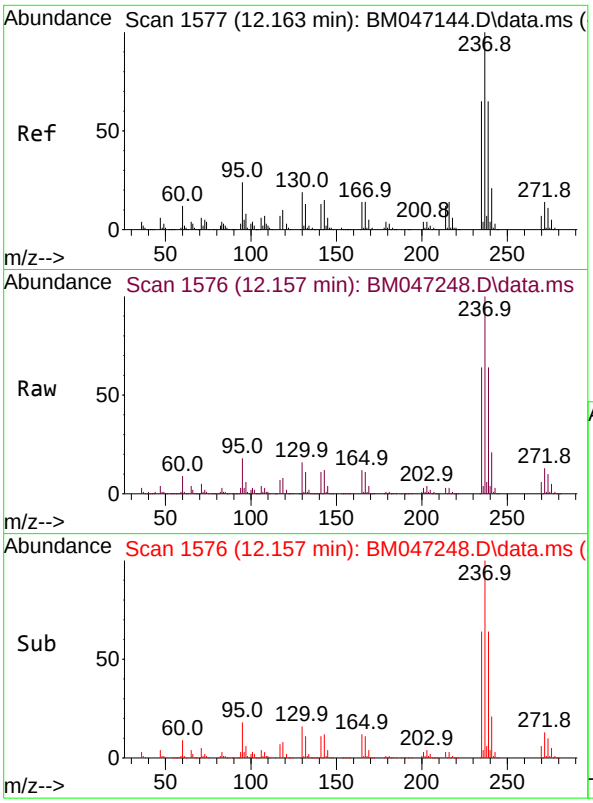


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.743 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:216 Resp: 900468

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	20.8	17.6	26.4
108	17.6	15.1	22.7

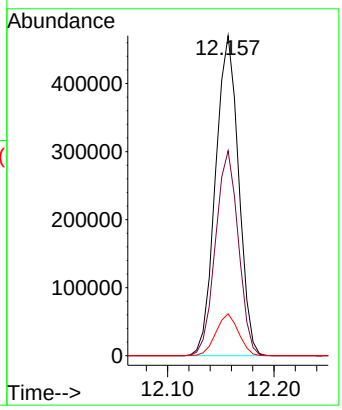




#41
Hexachlorocyclopentadiene
Concen: 100.583 ng
RT: 12.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:237 Resp: 70685

Ion	Ratio	Lower	Upper
237	100		
235	64.0	44.8	84.8
272	13.1	0.0	33.5



Instrument :
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ClientSampleId :
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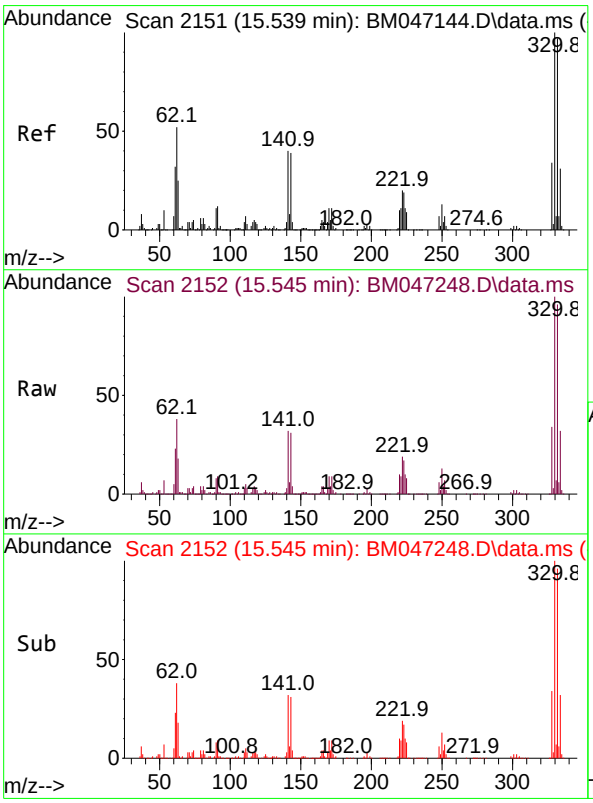
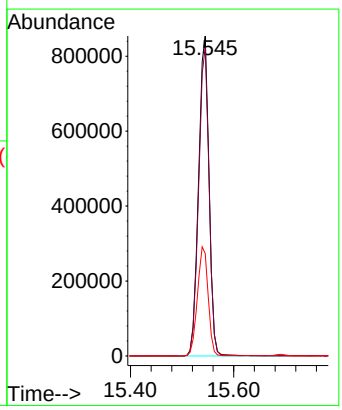
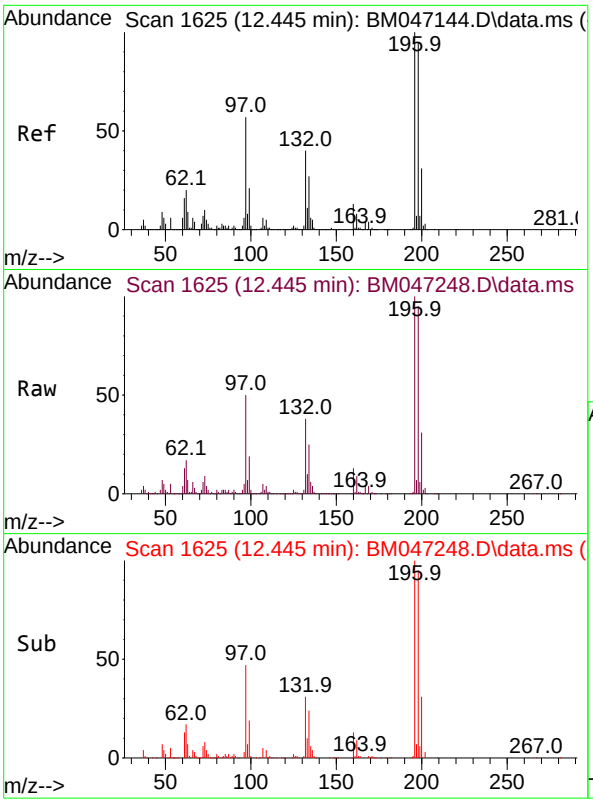


#42
2,4,6-Tribromophenol
Concen: 140.190 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:330 Resp: 1199413

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	35.0	31.6	47.4

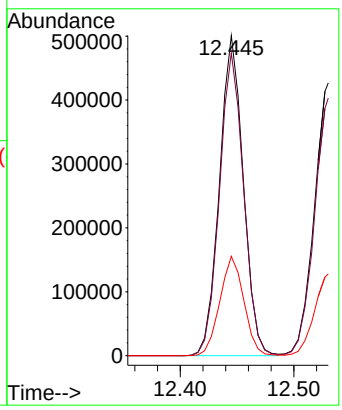




#43
2,4,6-Trichlorophenol
Concen: 51.053 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:196 Resp: 73029

Ion	Ratio	Lower	Upper
196	100		
198	94.6	75.6	113.4
200	31.0	24.6	37.0



Instrument :
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ClientSampleId :
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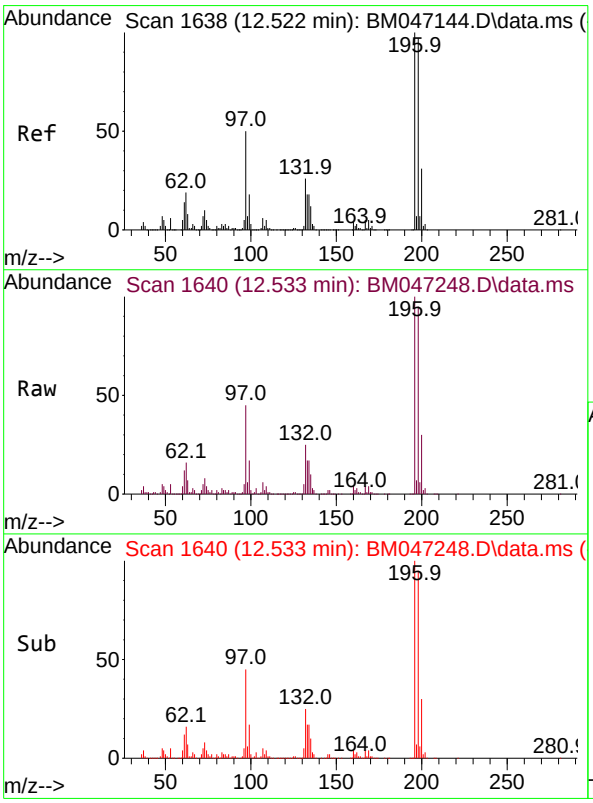
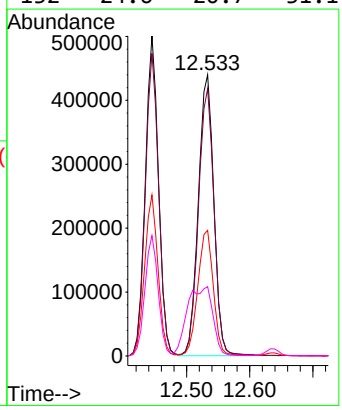
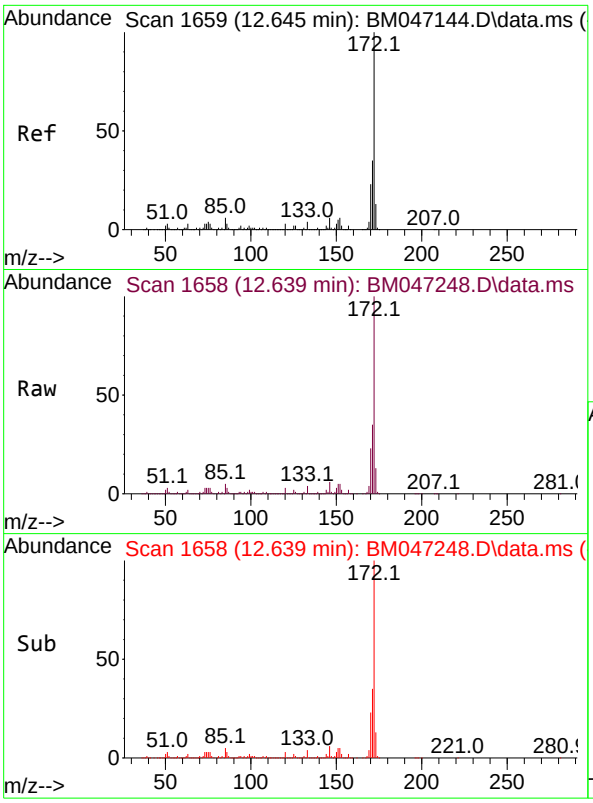


#44
2,4,5-Trichlorophenol
Concen: 47.342 ng
RT: 12.533 min Scan# 1640
Delta R.T. 0.011 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:196 Resp: 751909

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.7	116.5
97	44.7	39.8	59.8
132	24.6	20.7	31.1

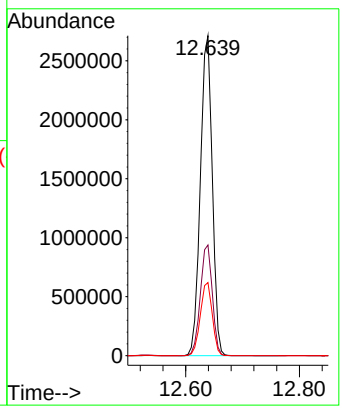




#45
2-Fluorobiphenyl
Concen: 82.592 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:172 Resp: 395076

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	22.8	18.7	28.1



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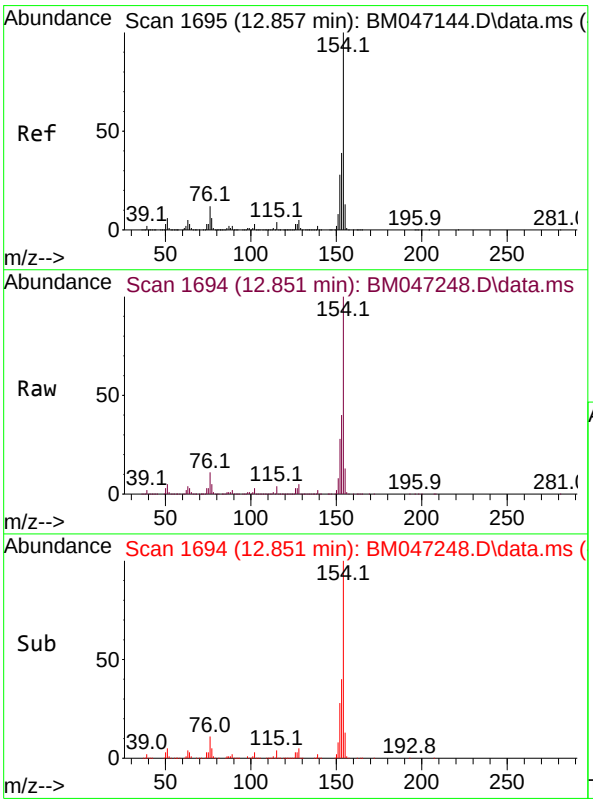
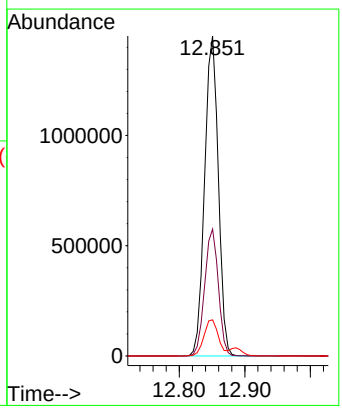
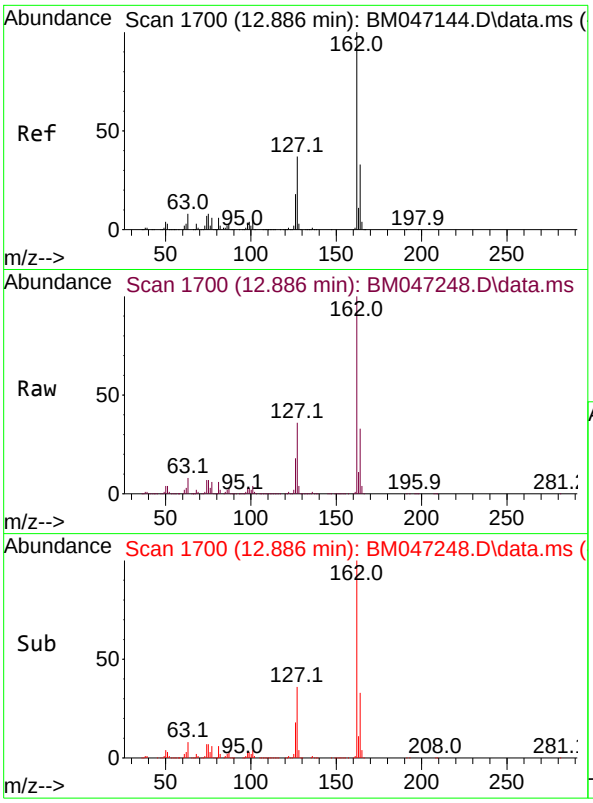


#46
1,1'-Biphenyl
Concen: 40.186 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:154 Resp: 2110926

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.0	59.0
76	11.3	0.0	31.9

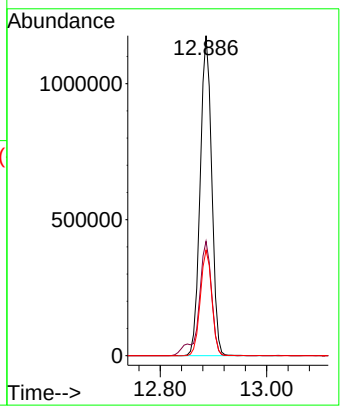




#47
2-Chloronaphthalene
Concen: 42.883 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:162 Resp: 176063

Ion	Ratio	Lower	Upper
162	100		
127	35.7	30.0	45.0
164	33.0	26.3	39.5



Instrument :
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ClientSampleId :
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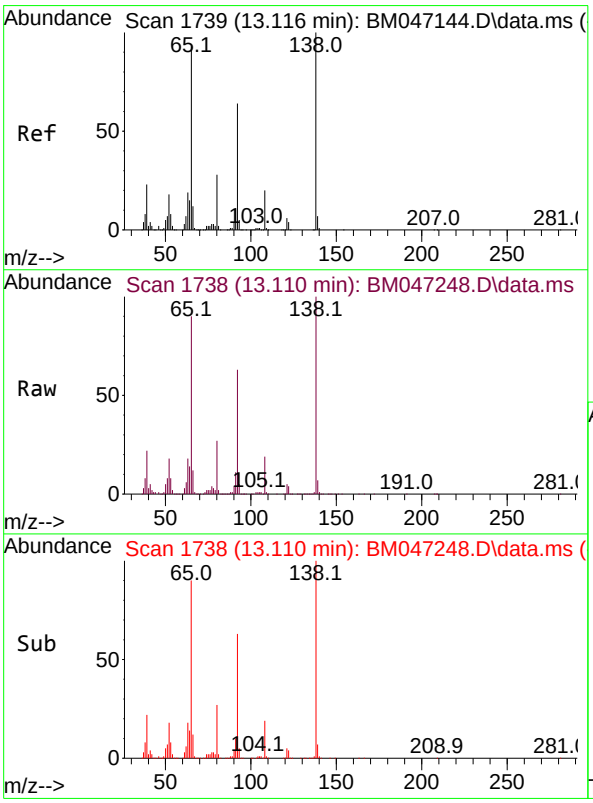
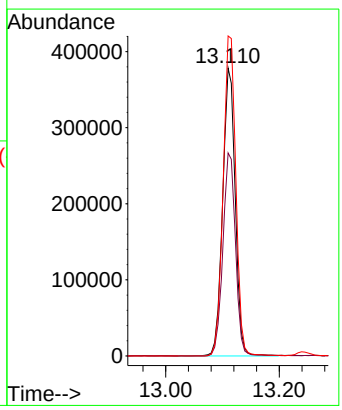
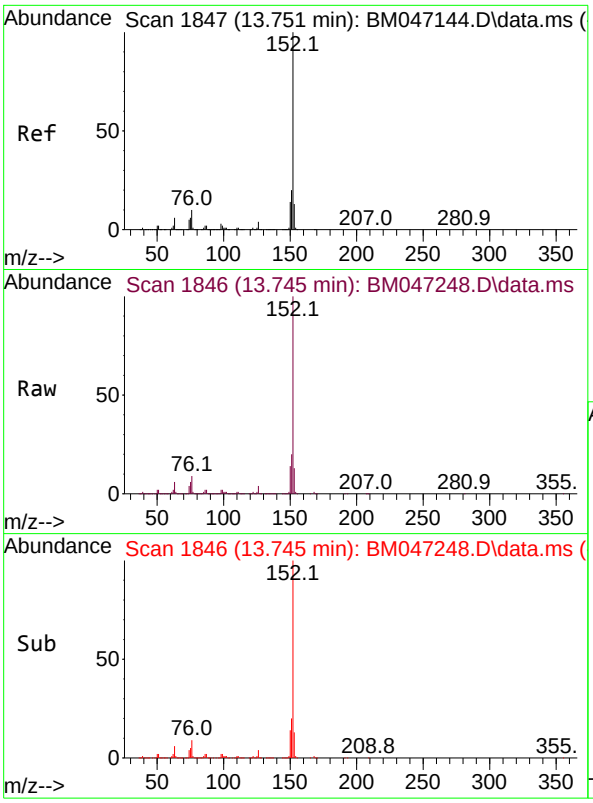


#48
2-Nitroaniline
Concen: 45.429 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 65 Resp: 584327

Ion	Ratio	Lower	Upper
65	100		
92	70.5	55.1	82.7
138	111.2	85.9	128.9

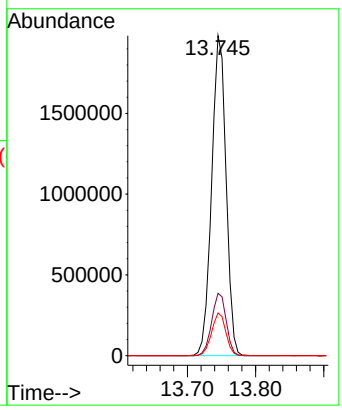




#49
Acenaphthylene
Concen: 48.112 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:152 Resp: 291172

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.4	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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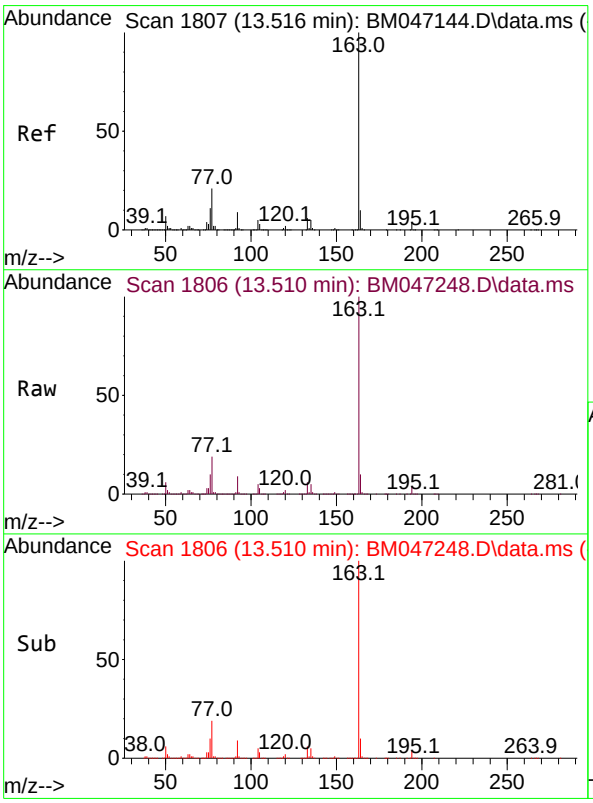
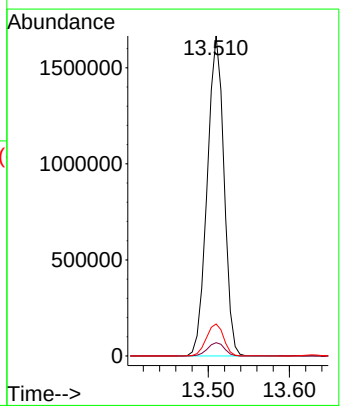
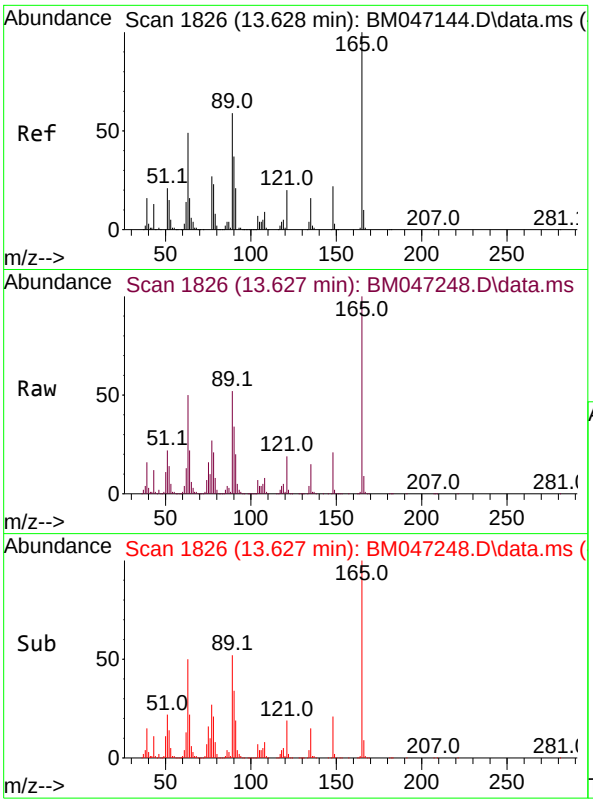


#50
Dimethylphthalate
Concen: 46.245 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:163 Resp: 2383136

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.0	8.0	12.0

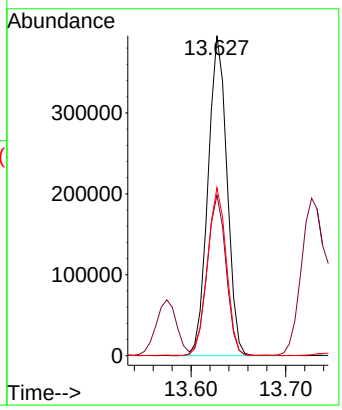




#51
2,6-Dinitrotoluene
Concen: 45.595 ng
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:165 Resp: 54926

Ion	Ratio	Lower	Upper
165	100		
63	50.2	46.5	69.7
89	52.5	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
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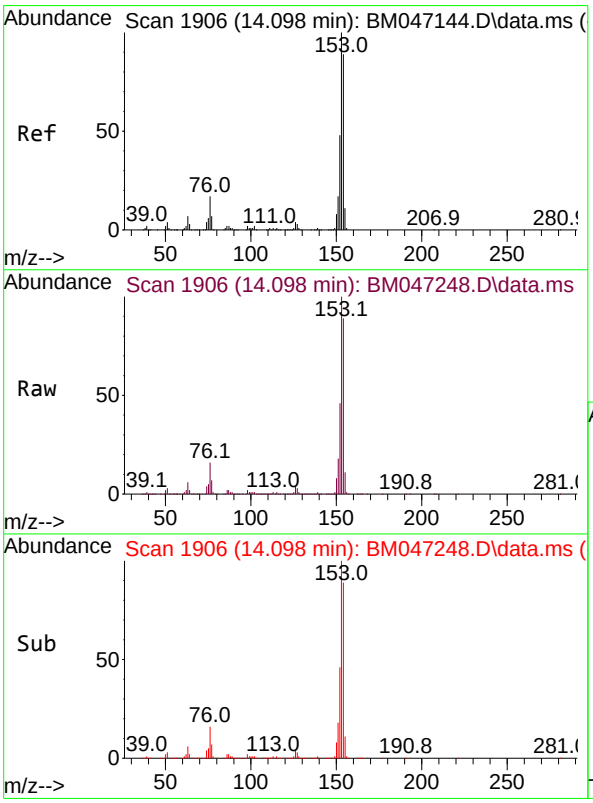
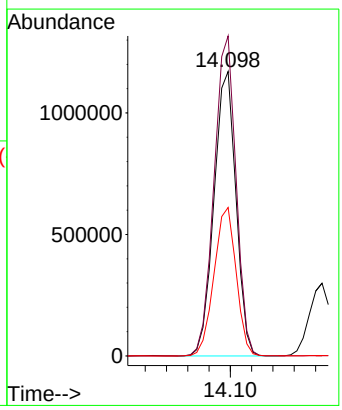
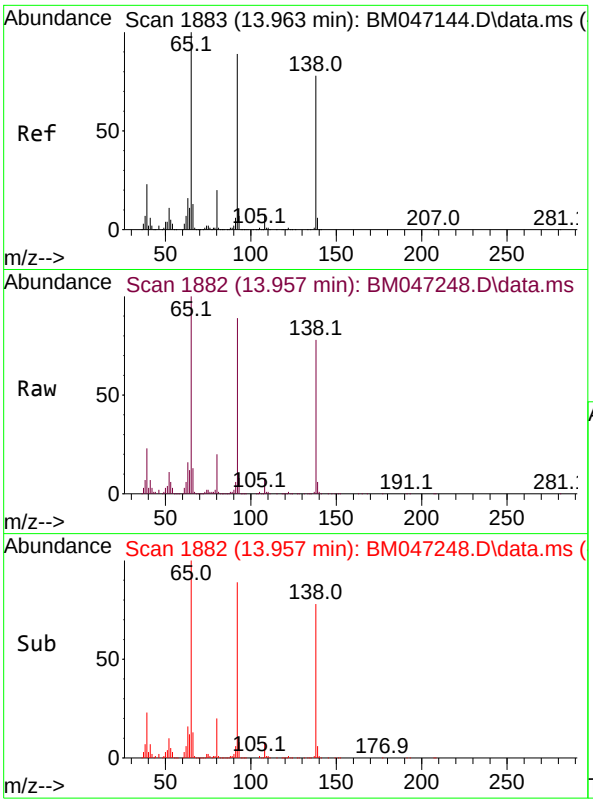


#52
Acenaphthene
Concen: 43.626 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:154 Resp: 1674765

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.3	135.5
152	52.2	42.9	64.3

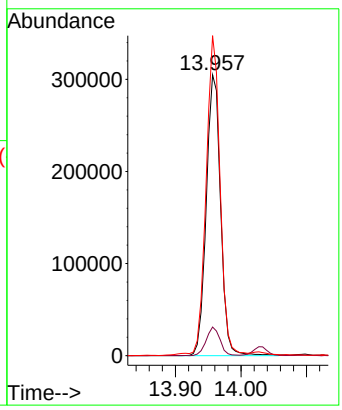




#53
3-Nitroaniline
Concen: 38.461 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:138 Resp: 46426

Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.9	11.9
92	114.0	92.0	138.0



Instrument :
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ClientSampleId :
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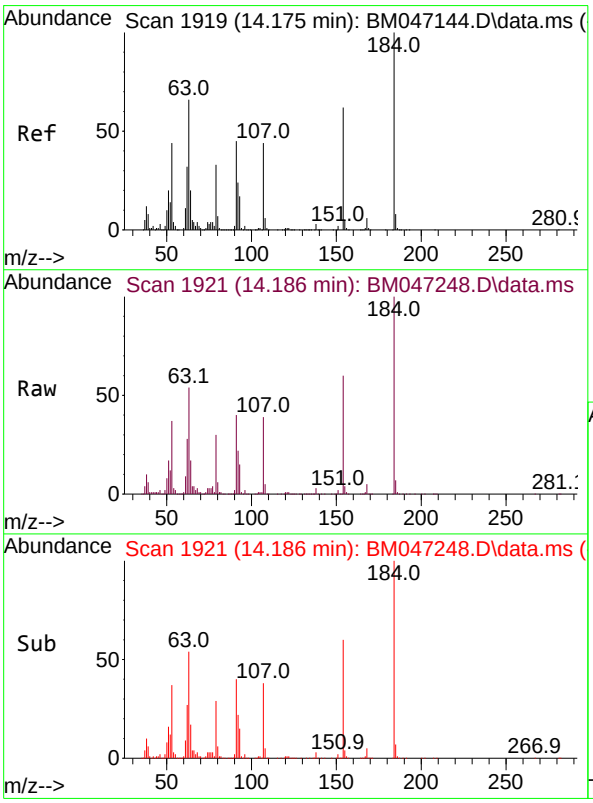
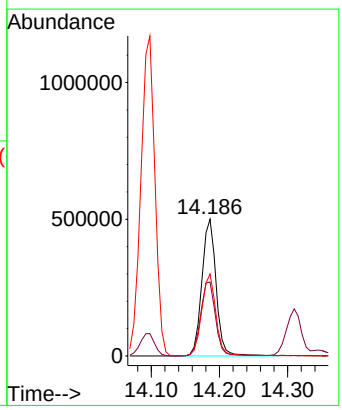
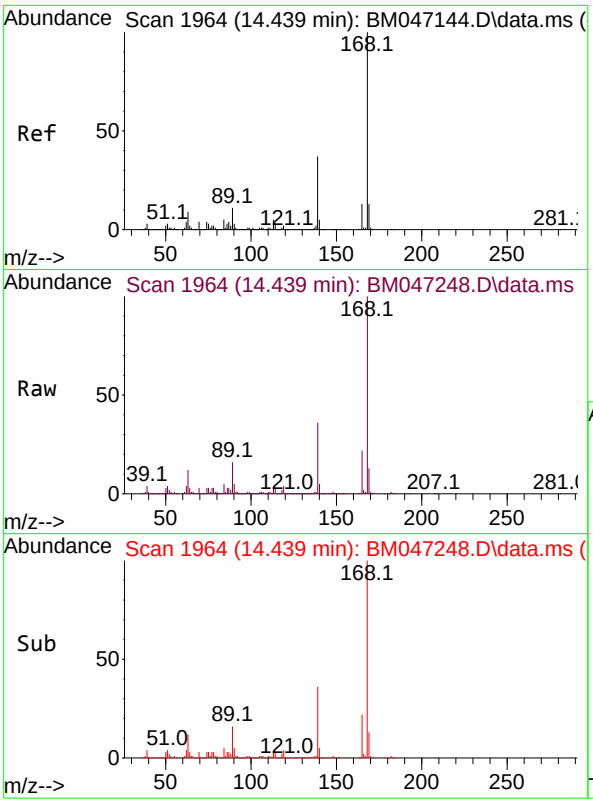


#54
2,4-Dinitrophenol
Concen: 100.687 ng
RT: 14.186 min Scan# 1921
Delta R.T. 0.011 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:184 Resp: 726962

Ion	Ratio	Lower	Upper
184	100		
63	54.0	52.7	79.1
154	59.9	50.4	75.6

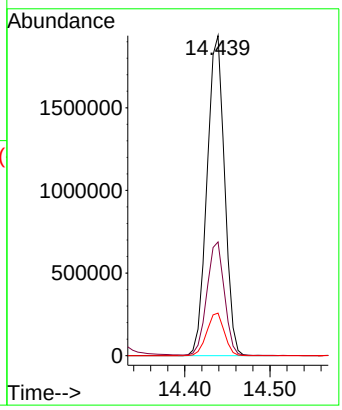




#55
Dibenzofuran
Concen: 45.596 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:168 Resp: 276483

Ion	Ratio	Lower	Upper
168	100		
139	35.6	29.6	44.4
169	13.3	10.7	16.1



Instrument :
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ClientSampleId :
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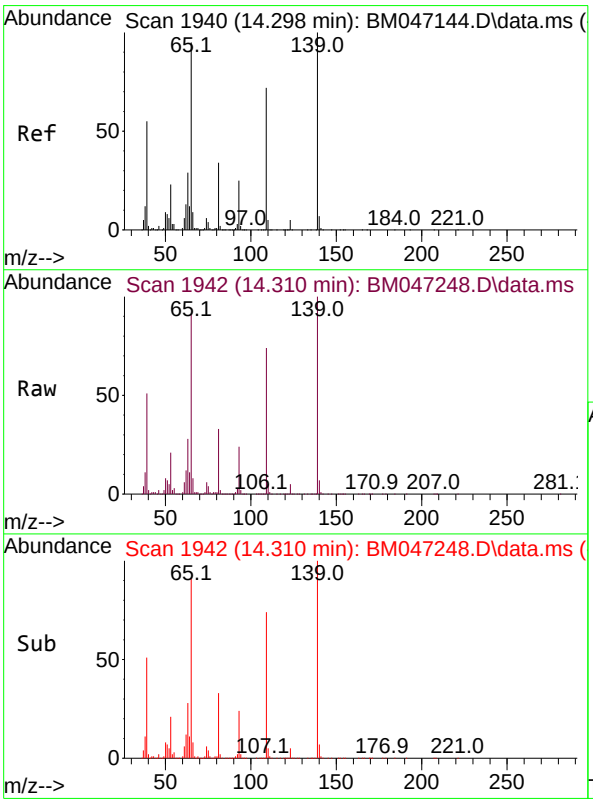
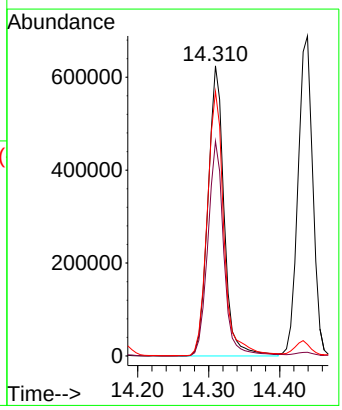
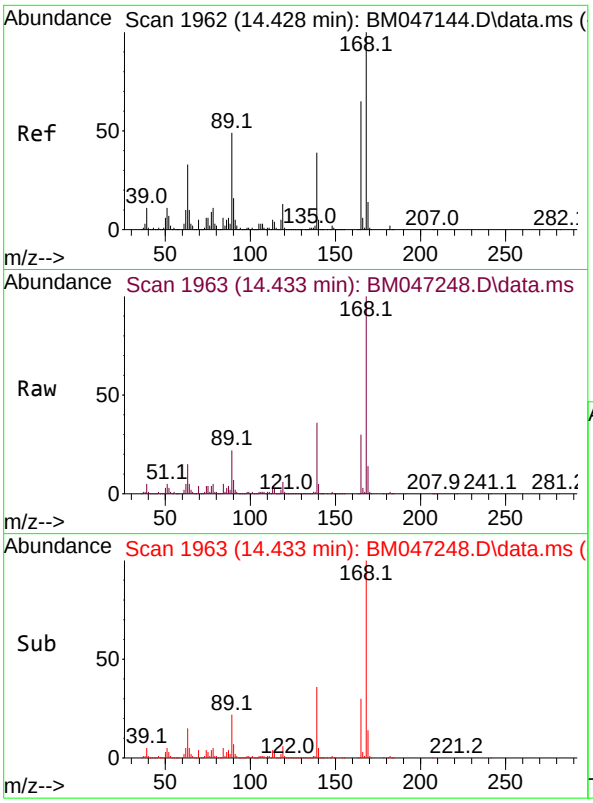


#56
4-Nitrophenol
Concen: 94.708 ng
RT: 14.310 min Scan# 1942
Delta R.T. 0.012 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:139 Resp: 985808

Ion	Ratio	Lower	Upper
139	100		
109	74.1	52.5	92.5
65	91.2	75.4	115.4

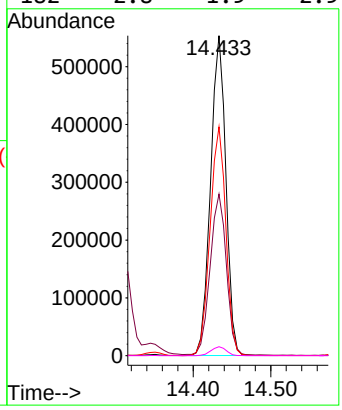




#57
2,4-Dinitrotoluene
Concen: 47.204 ng
RT: 14.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:165 Resp: 75900

Ion	Ratio	Lower	Upper
165	100		
63	50.5	40.3	60.5
89	71.5	61.0	91.6
182	2.8	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
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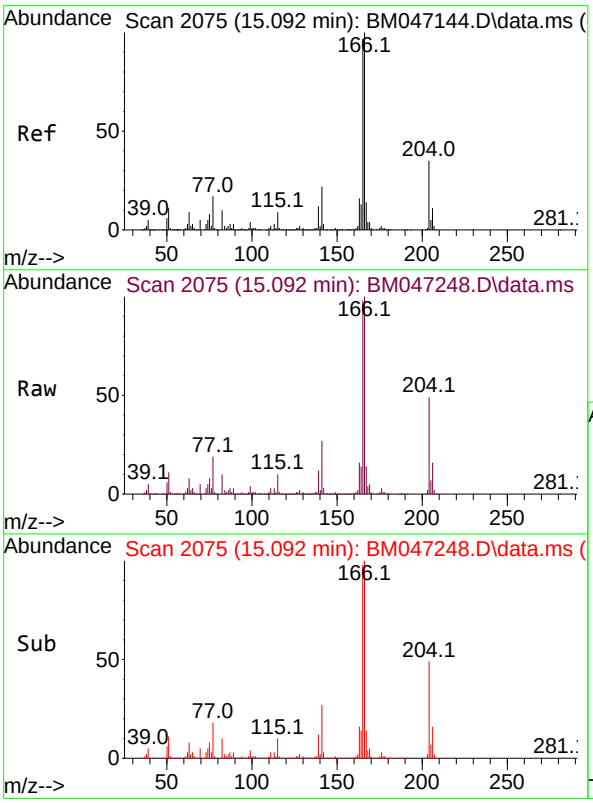
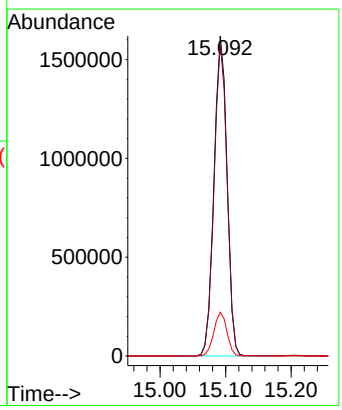
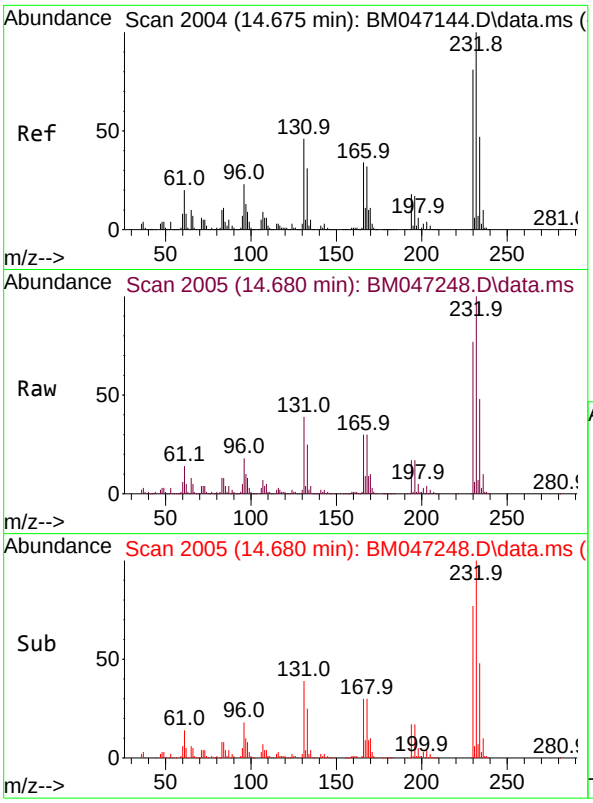


#58
Fluorene
Concen: 44.682 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:166 Resp: 2235554

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.4	116.0
167	13.6	11.0	16.6

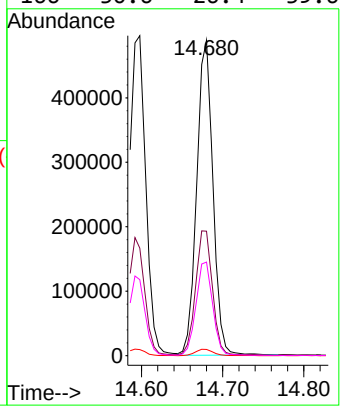




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.017 ng
RT: 14.680 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:232 Resp: 67898

Ion	Ratio	Lower	Upper
232	100		
131	40.7	36.9	55.3
130	2.2	2.0	3.0
166	30.6	26.4	39.6



Instrument :
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ClientSampleId :
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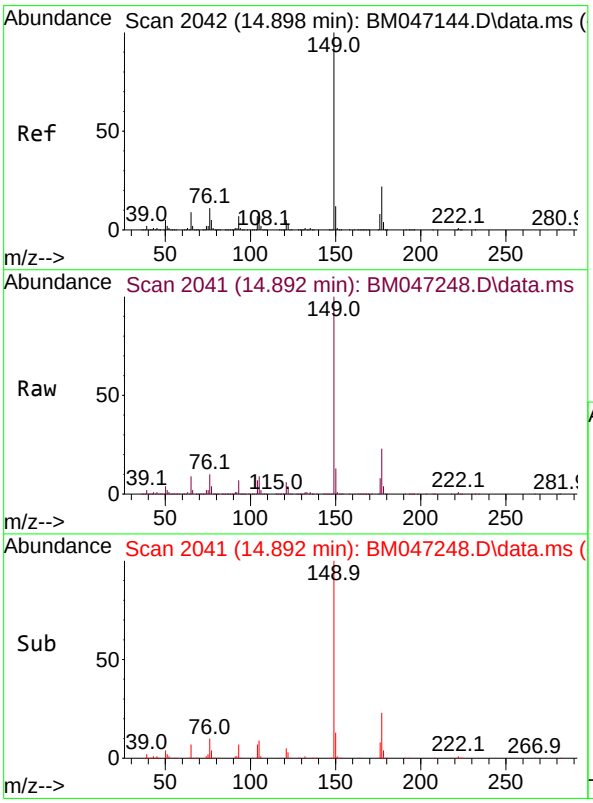
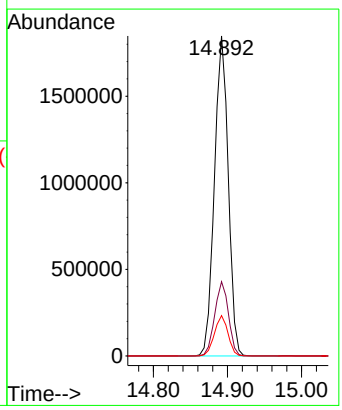
Supervised By :mohammad ahmed 08/21/2024

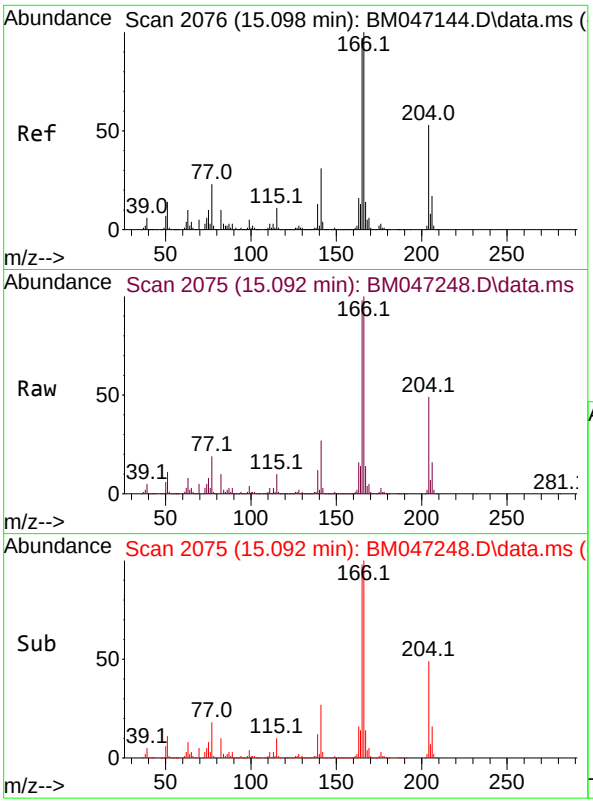


#60
Diethylphthalate
Concen: 45.398 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:149 Resp: 2389033

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.6	26.4
150	12.6	9.8	14.6

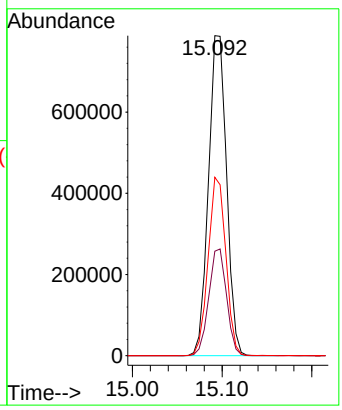




#61
4-Chlorophenyl-phenylether
Concen: 46.287 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:204 Resp: 110253

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.4
141	55.8	47.2	70.8



Instrument :
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ClientSampleId :
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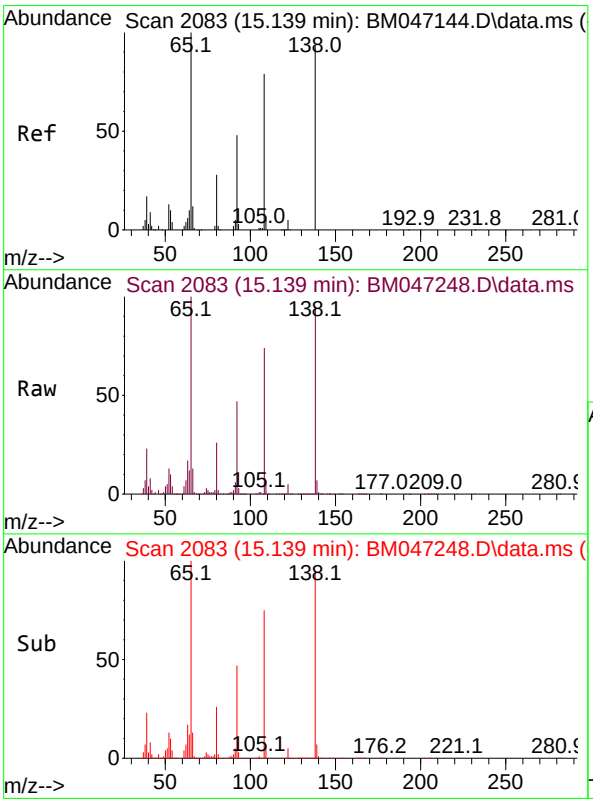
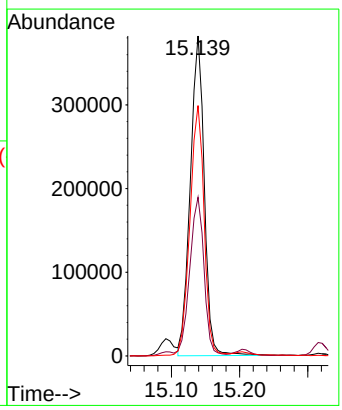
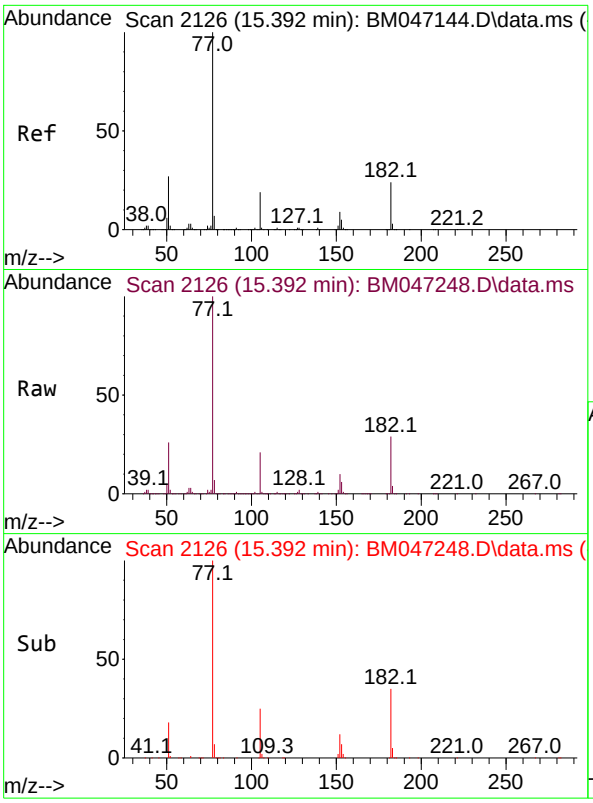


#62
4-Nitroaniline
Concen: 45.676 ng
RT: 15.139 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:138 Resp: 543188

Ion	Ratio	Lower	Upper
138	100		
92	49.6	31.9	71.9
108	78.3	63.8	103.8

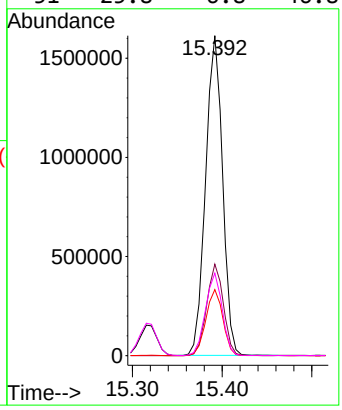




#63
Azobenzene
Concen: 42.438 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion: 77 Resp: 211751

Ion	Ratio	Lower	Upper
77	100		
182	28.6	3.8	43.8
105	20.7	0.0	39.5
51	25.8	6.8	46.8



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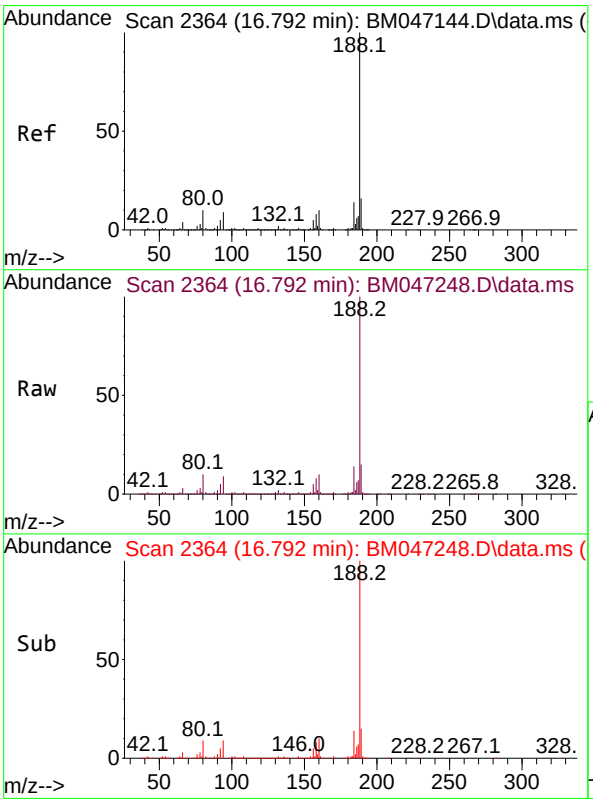
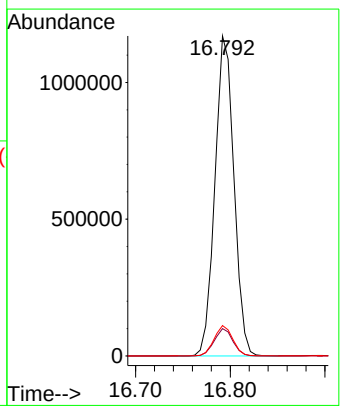
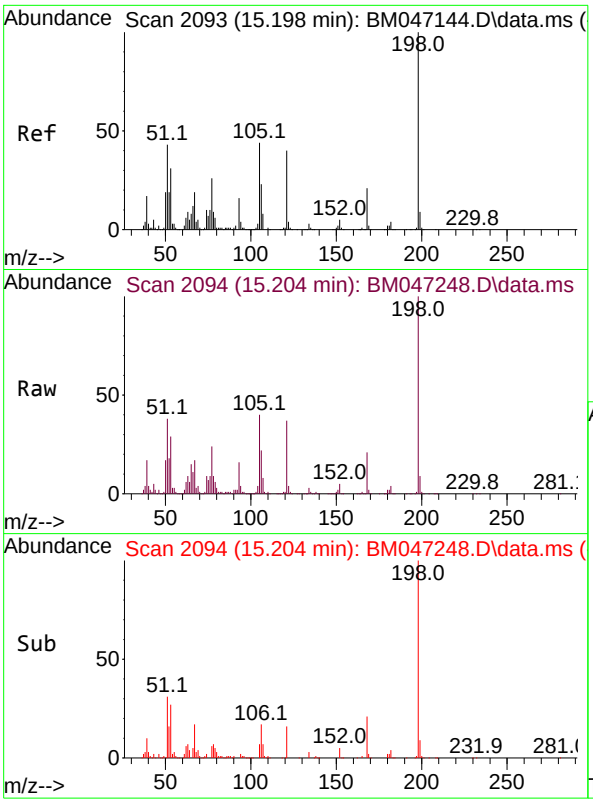


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:188 Resp: 1630379

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.5	8.0	12.0

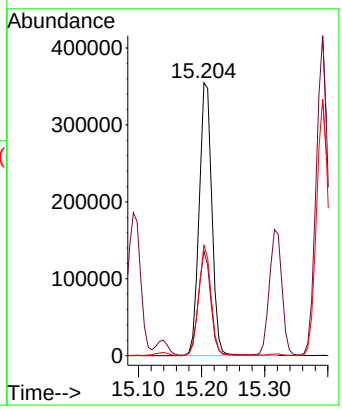




#65
4,6-Dinitro-2-methylphenol
Concen: 51.866 ng
RT: 15.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:198 Resp: 49509

Ion	Ratio	Lower	Upper
198	100		
51	38.3	23.9	63.9
105	40.4	24.3	64.3



Instrument :
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ClientSampleId :
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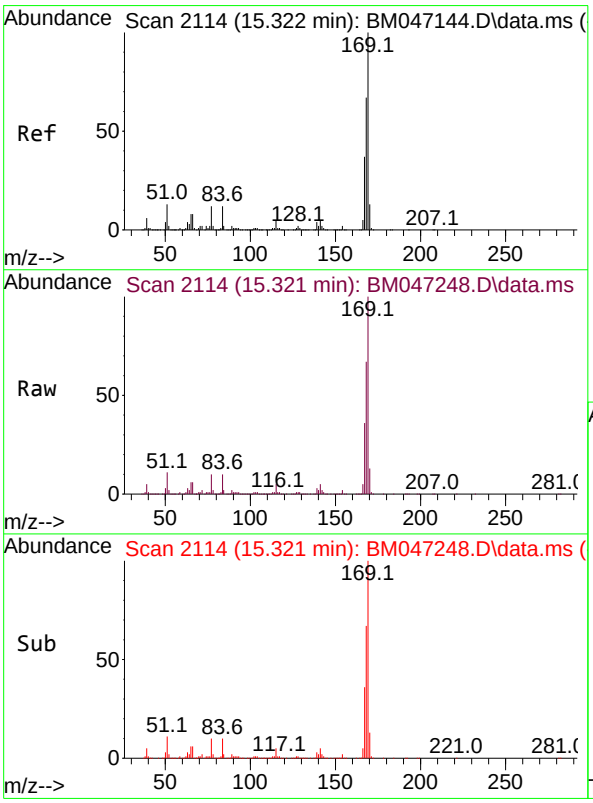
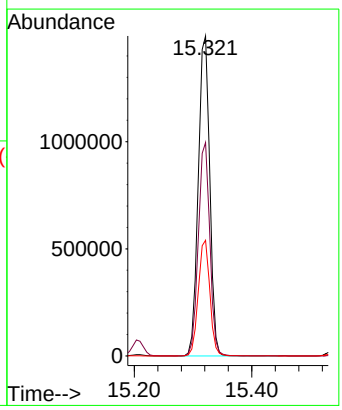
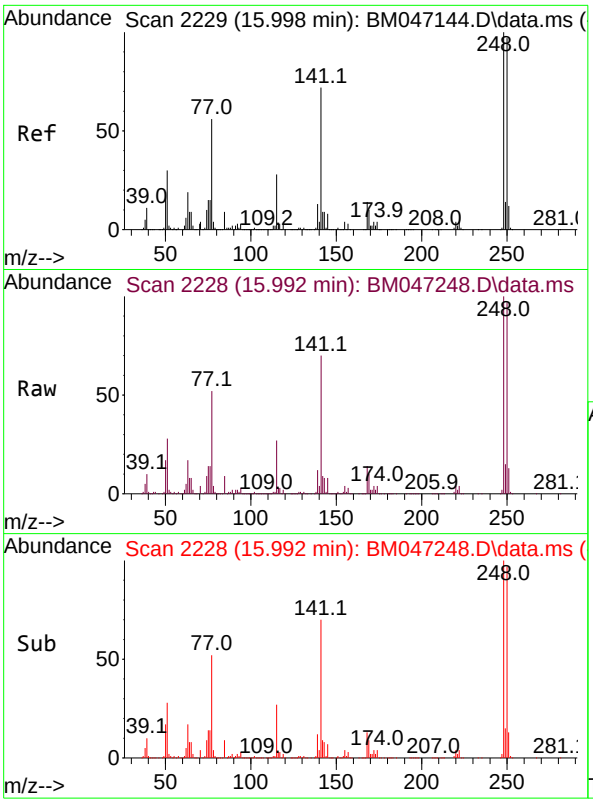


#66
n-Nitrosodiphenylamine
Concen: 45.668 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:169 Resp: 2028006

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.8	80.8
167	36.1	29.3	43.9

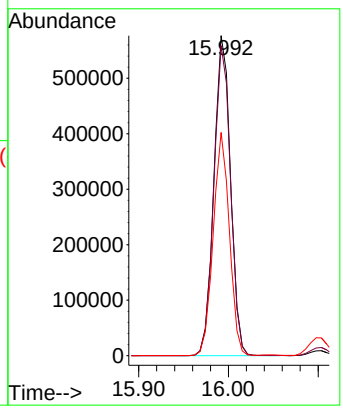




#67
4-Bromophenyl-phenylether
Concen: 47.156 ng
RT: 15.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:248 Resp: 74085

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.8	116.8
141	69.8	57.7	86.5



Instrument :
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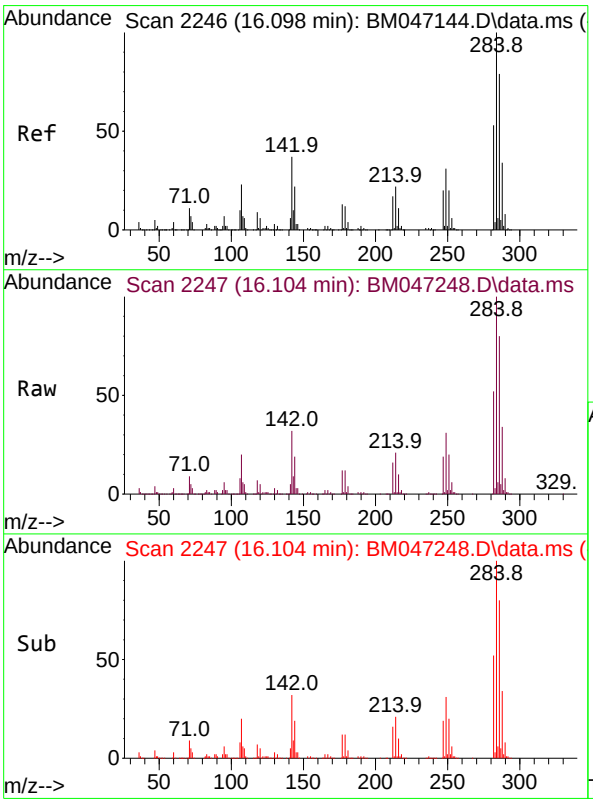
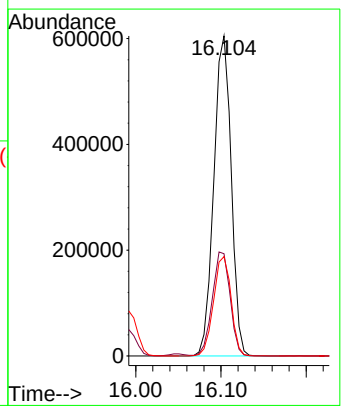
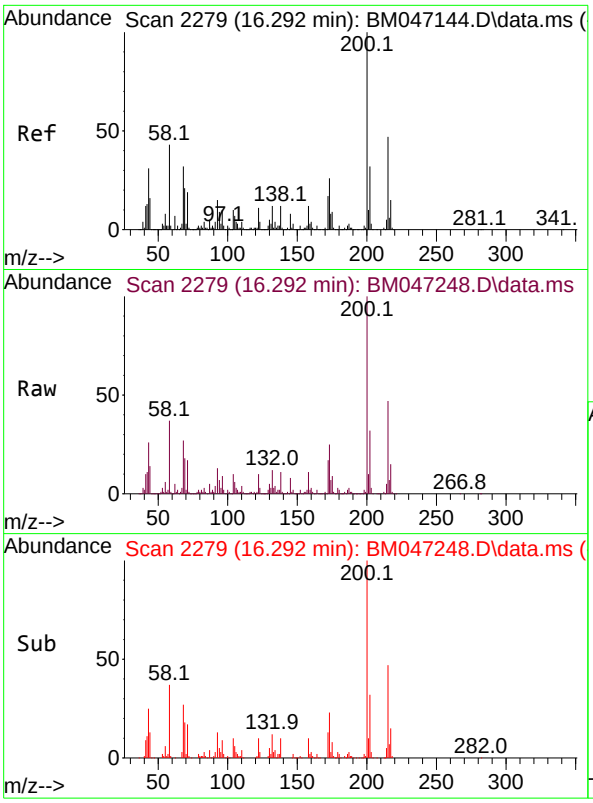


#68
Hexachlorobenzene
Concen: 45.520 ng
RT: 16.104 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:284 Resp: 856493

Ion	Ratio	Lower	Upper
284	100		
142	32.0	29.4	44.0
249	31.1	25.1	37.7

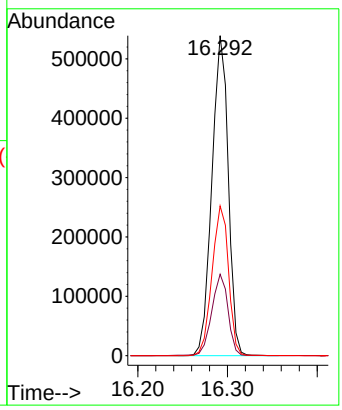




#69
Atrazine
Concen: 51.050 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:200 Resp: 68218

Ion	Ratio	Lower	Upper
200	100		
173	25.5	6.1	46.1
215	46.8	26.8	66.8



Instrument :
BNA_M
ClientSampleId :
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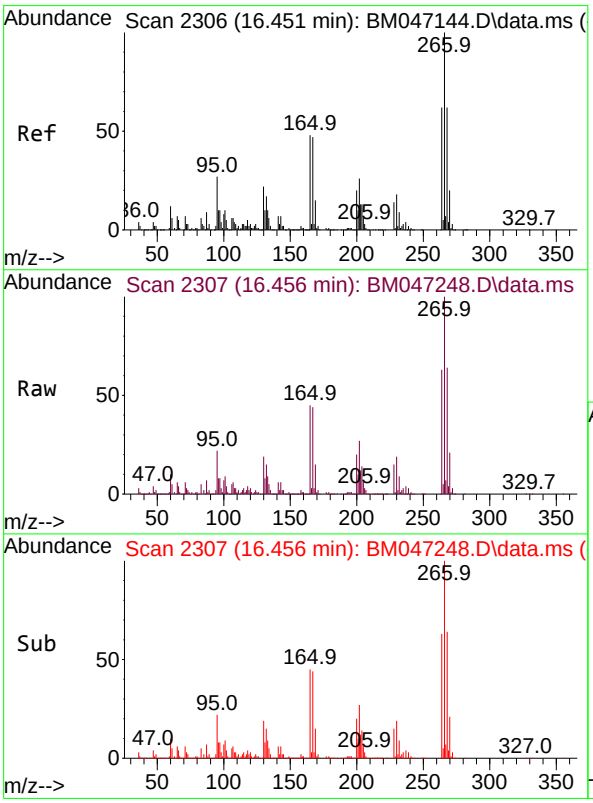
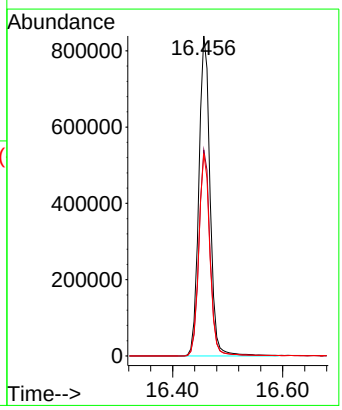
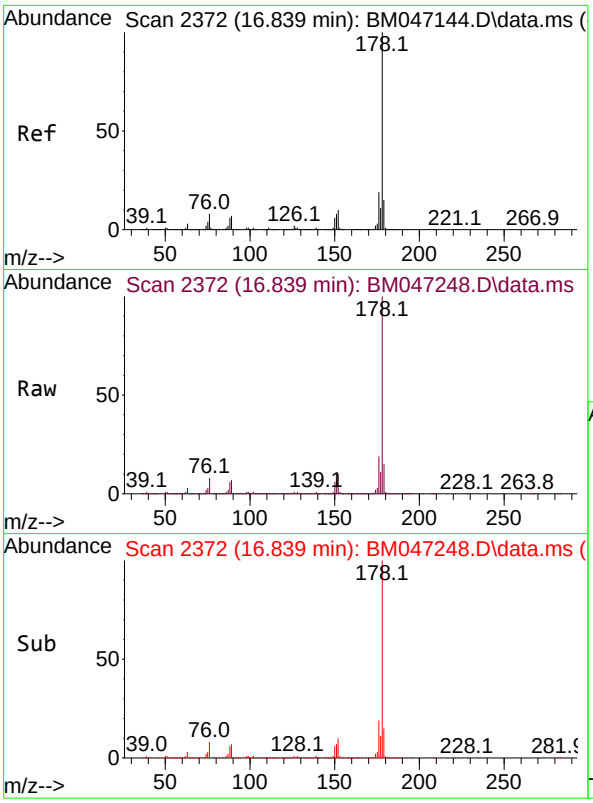


#70
Pentachlorophenol
Concen: 90.138 ng
RT: 16.456 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:266 Resp: 1188882

Ion	Ratio	Lower	Upper
266	100		
268	64.4	49.8	74.6
264	63.2	49.6	74.4

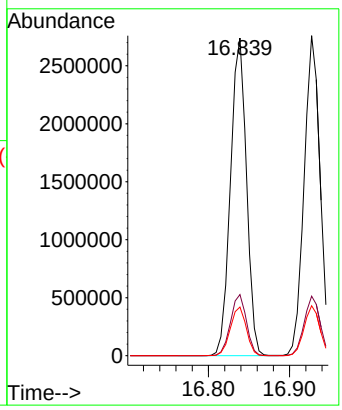




#71
Phenanthrene
Concen: 45.761 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:178 Resp: 374428

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.4	18.6



Instrument :
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ClientSampleId :
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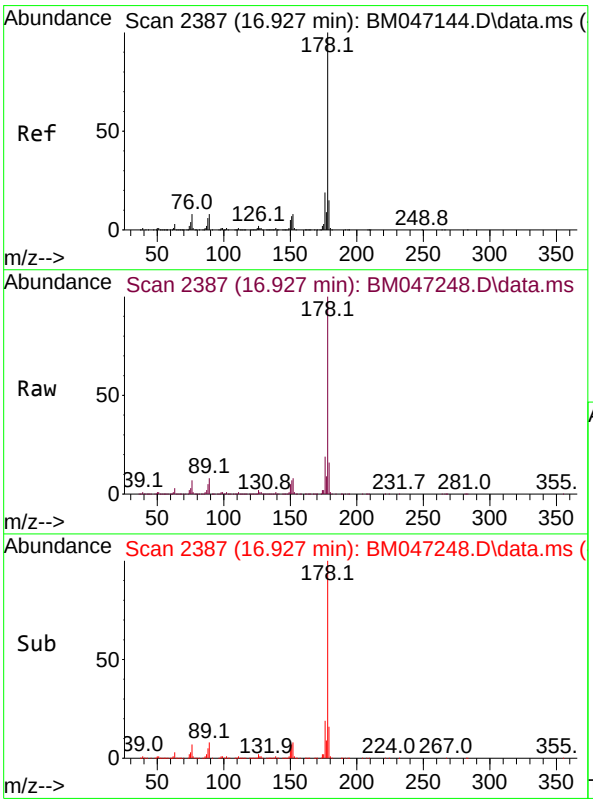
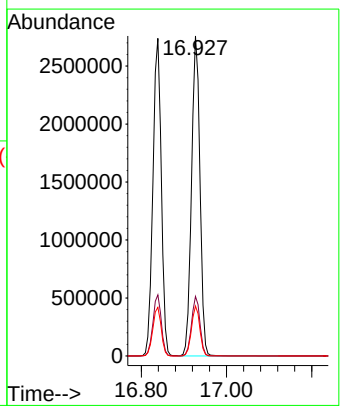
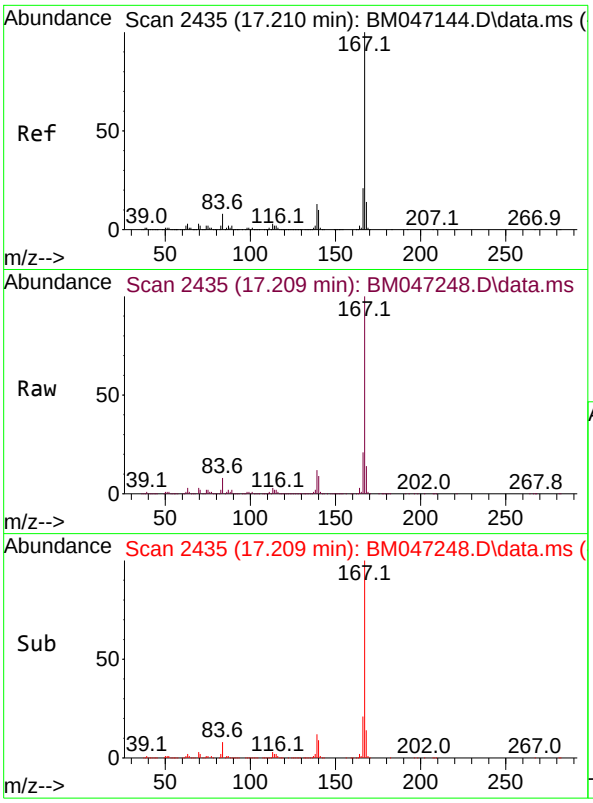


#72
Anthracene
Concen: 47.491 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:178 Resp: 3780949

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.6	12.4	18.6

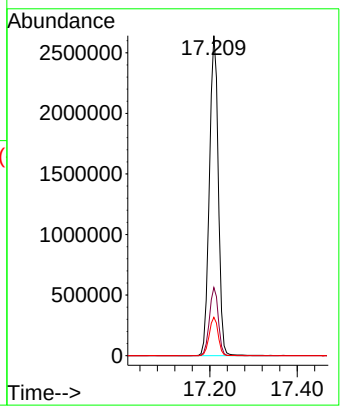




#73
Carbazole
Concen: 46.053 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:167 Resp: 374357

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.0	10.0	15.0



Instrument :
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ClientSampleId :
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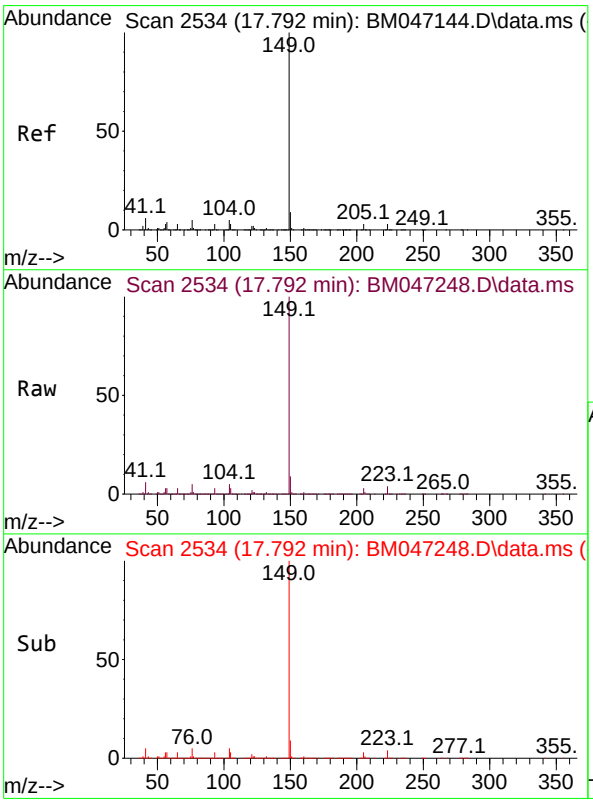
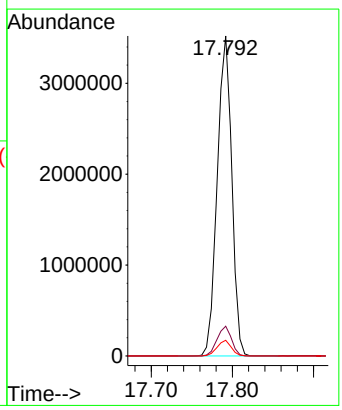
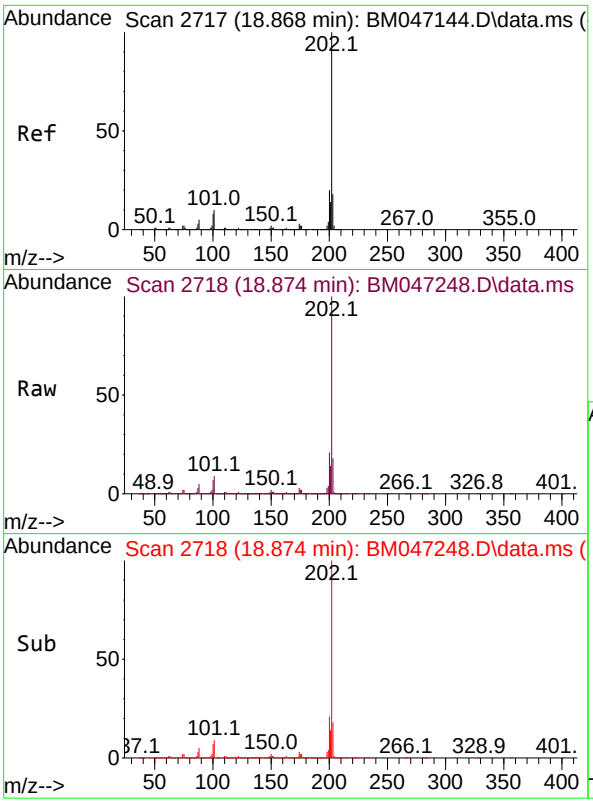


#74
Di-n-butylphthalate
Concen: 46.274 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:149 Resp: 4376795

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.9	4.1	6.1

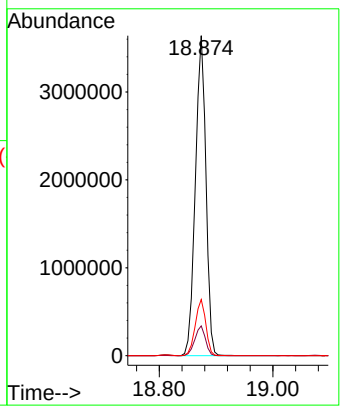




#75
Fluoranthene
Concen: 47.419 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:202 Resp: 471923

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.2
203	17.6	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
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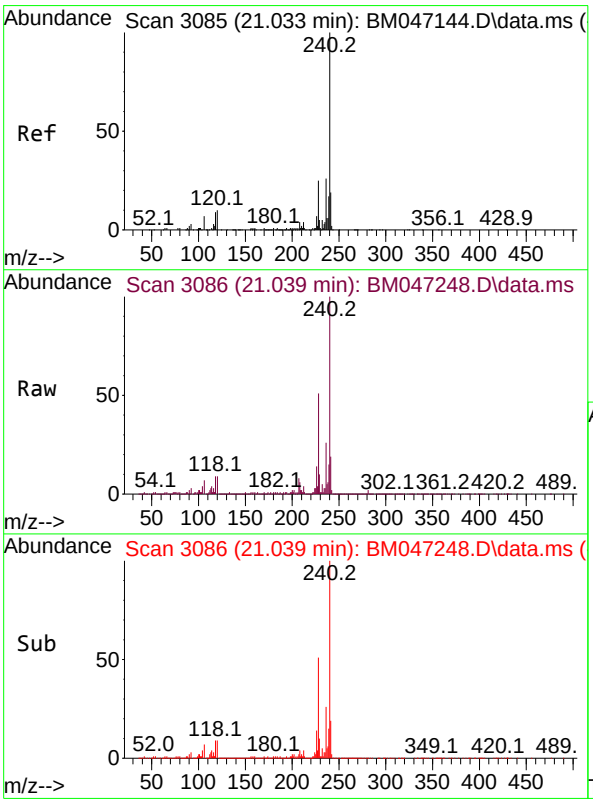
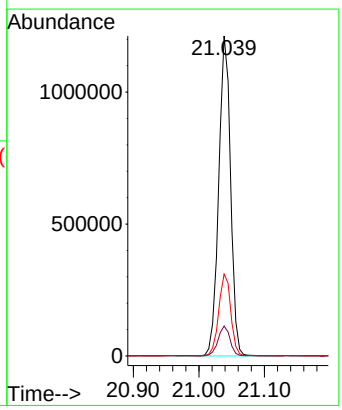
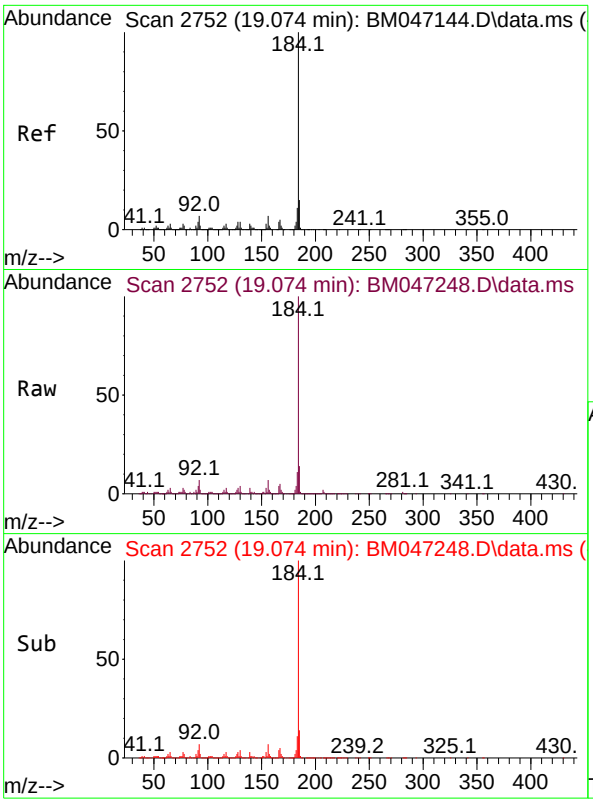


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.039 min Scan# 3086
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:240 Resp: 1511034

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.6	20.6	30.8

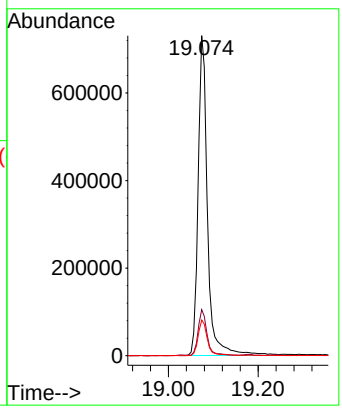




#77
Benzidine
Concen: 41.334 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:184 Resp: 105917

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	11.1	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

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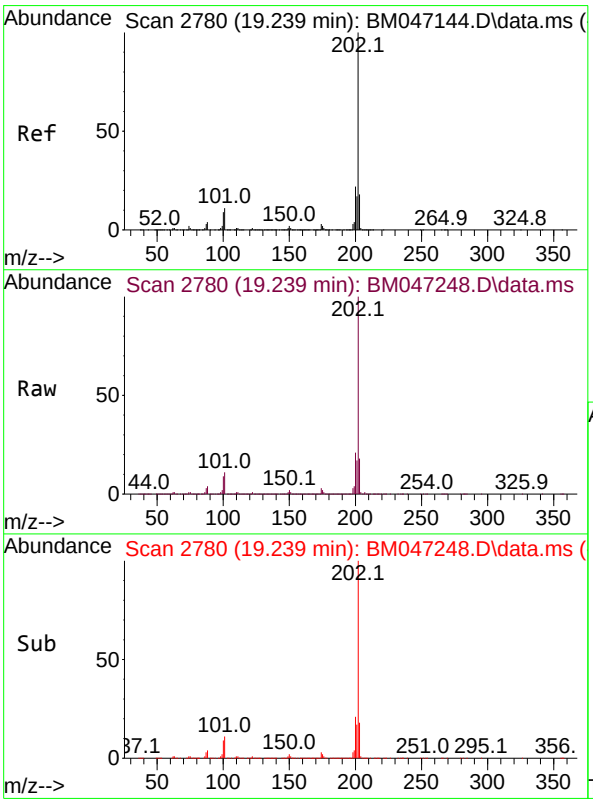
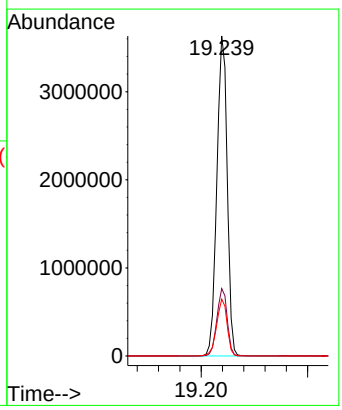
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

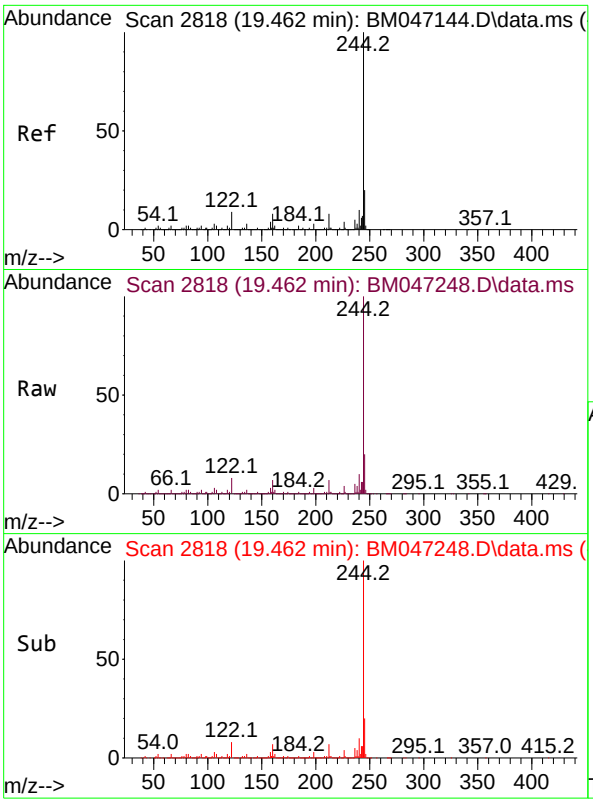


#78
Pyrene
Concen: 45.314 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:202 Resp: 4888991

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.8	14.2	21.2

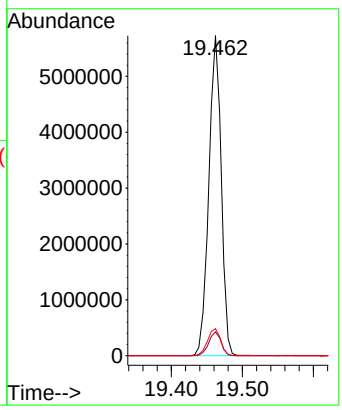




#79
Terphenyl-d14
Concen: 98.548 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:244 Resp: 694943

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



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

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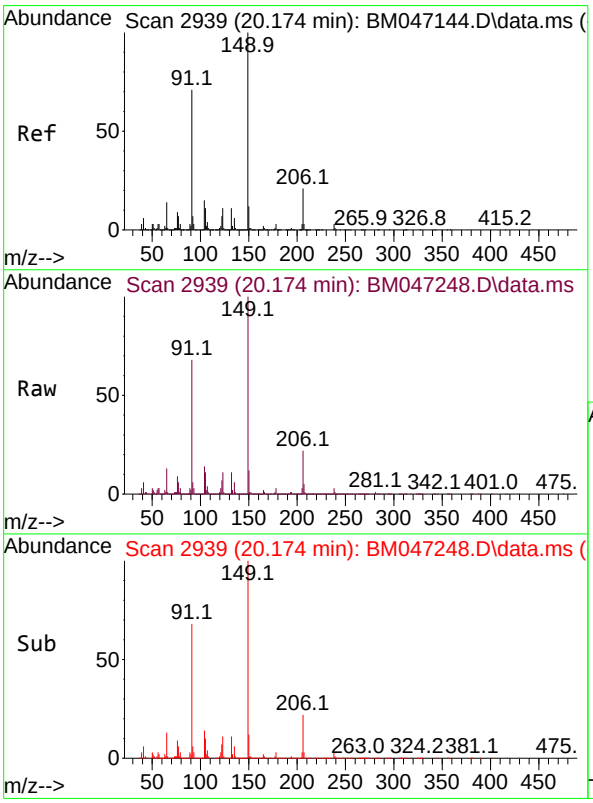
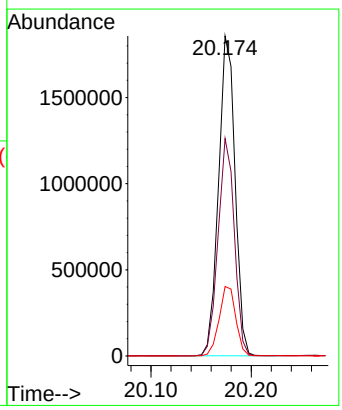
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

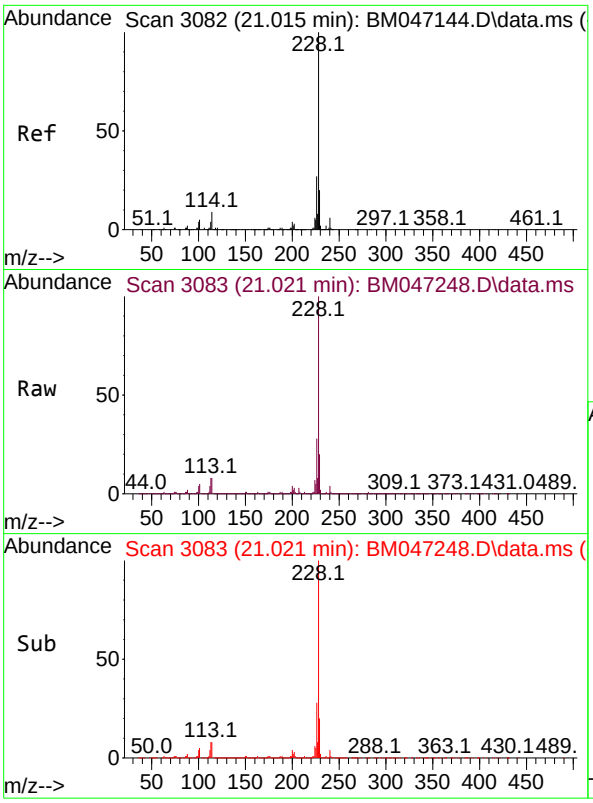


#80
Butylbenzylphthalate
Concen: 48.016 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:149 Resp: 2114181

Ion	Ratio	Lower	Upper
149	100		
91	67.9	57.0	85.4
206	21.7	16.4	24.6

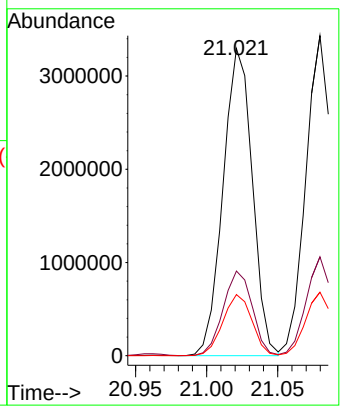




#81
Benzo(a)anthracene
Concen: 47.133 ng
RT: 21.021 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:228 Resp: 472794

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.6
229	19.9	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations
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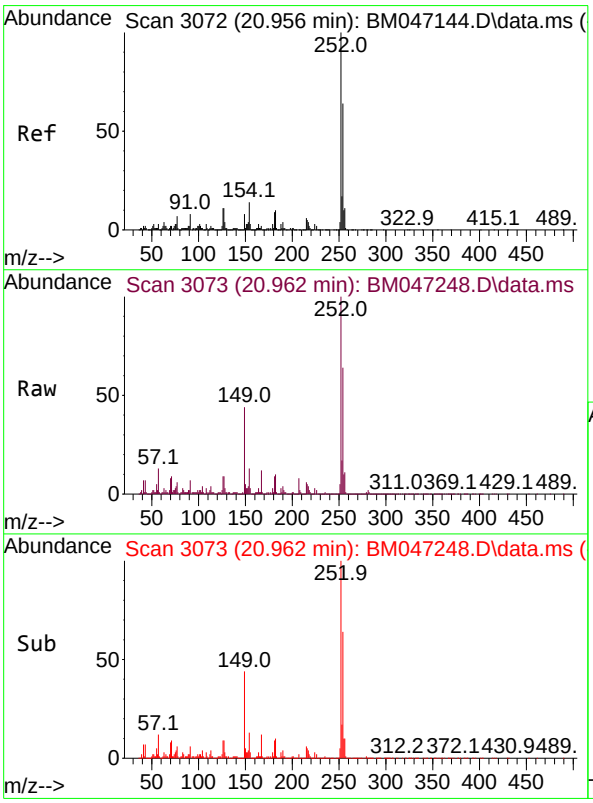
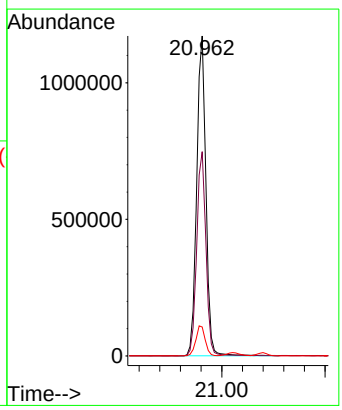
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

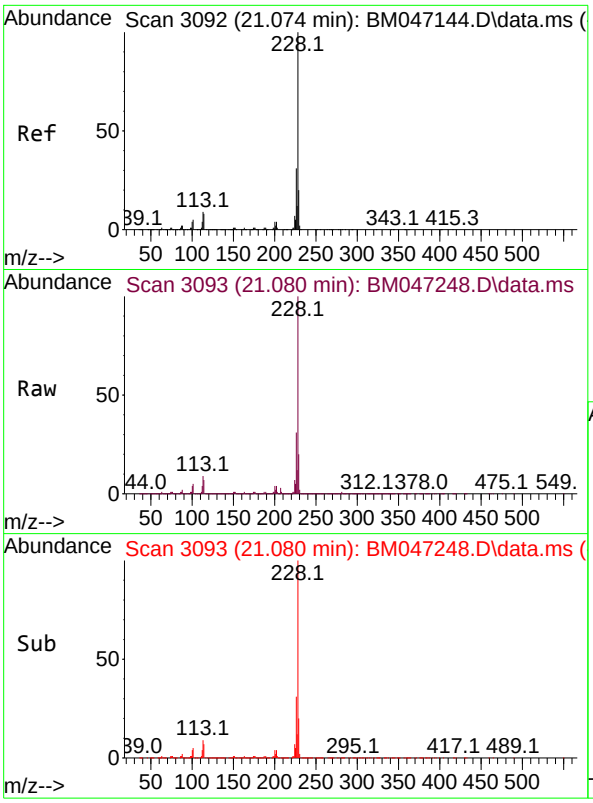


#82
3,3'-Dichlorobenzidine
Concen: 46.091 ng
RT: 20.962 min Scan# 3073
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:252 Resp: 1446603

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.0	76.6
126	9.0	8.5	12.7

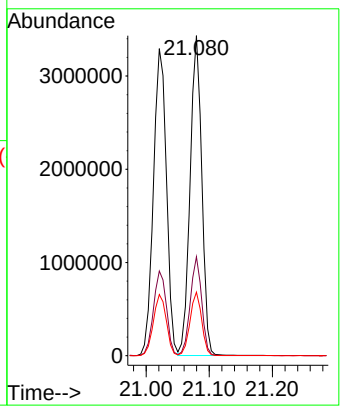




#83
Chrysene
Concen: 46.466 ng
RT: 21.080 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:228 Resp: 442227

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	19.8	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations
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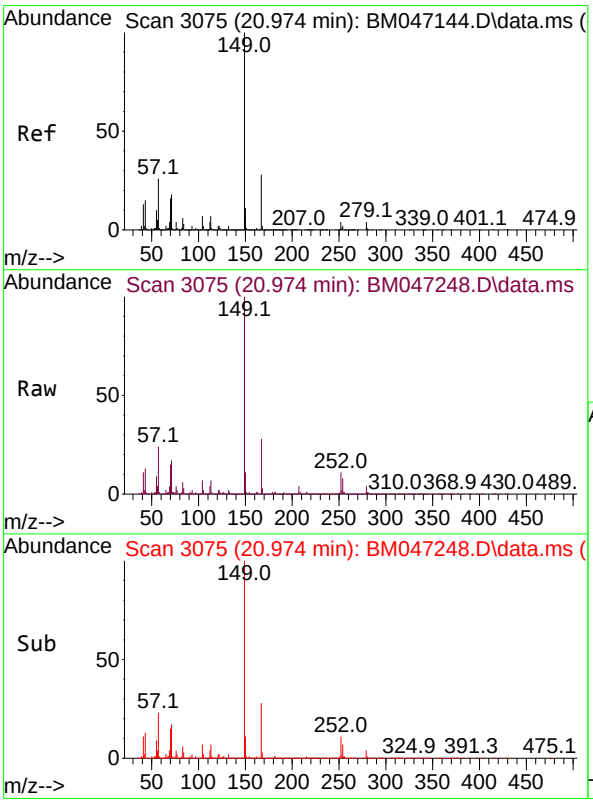
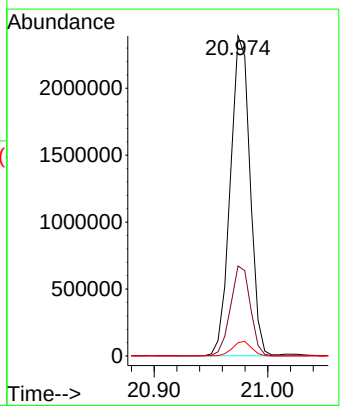
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

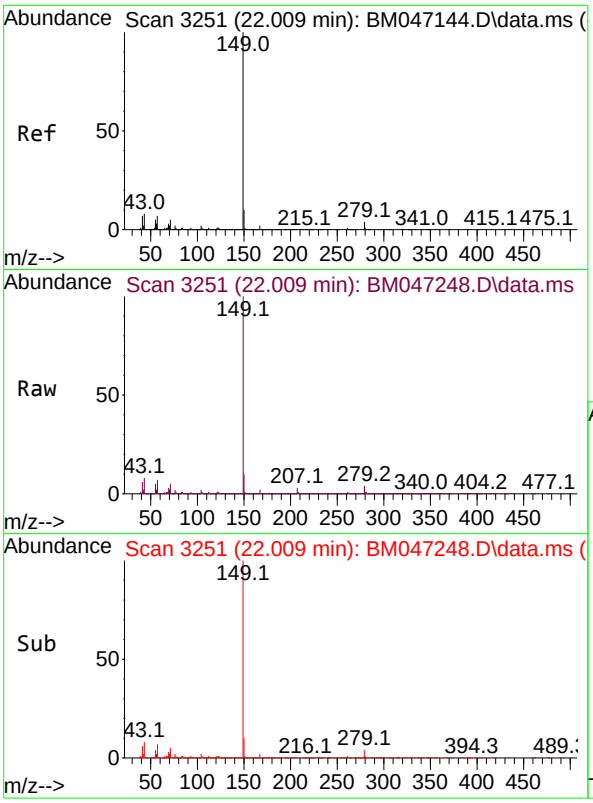


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.034 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:149 Resp: 2874516

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: 49.597 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:149 Resp: 526399

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	6.9	10.3

Instrument :
BNA_M
ClientSampleId :
PB162722BSD

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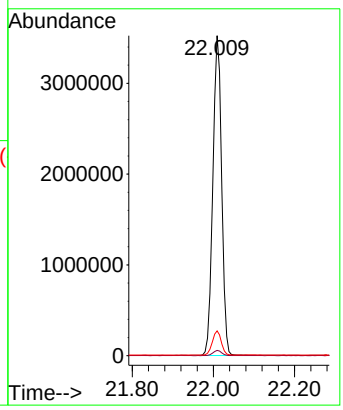
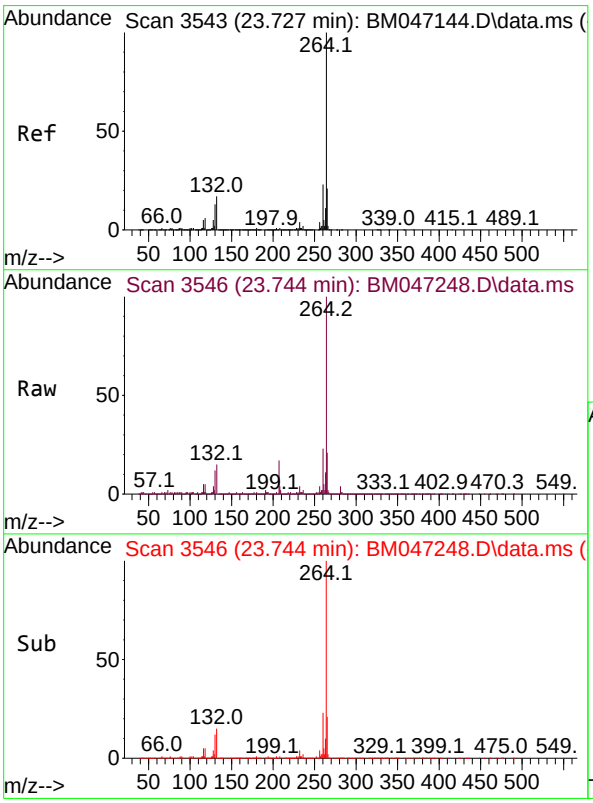
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

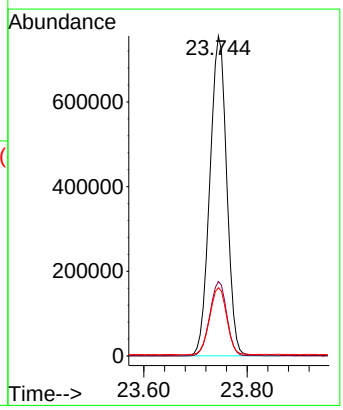


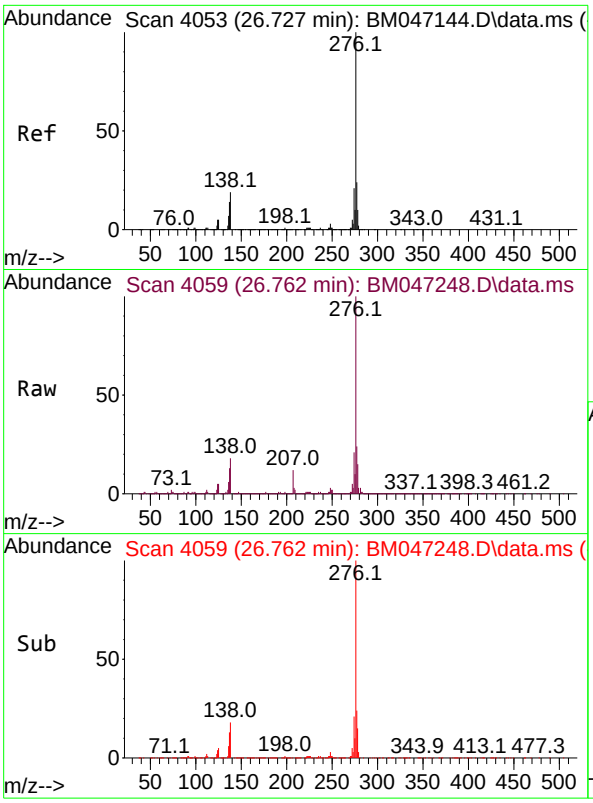


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.744 min Scan# 3546
Delta R.T. 0.017 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:264 Resp: 1710119

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.4	17.3	25.9

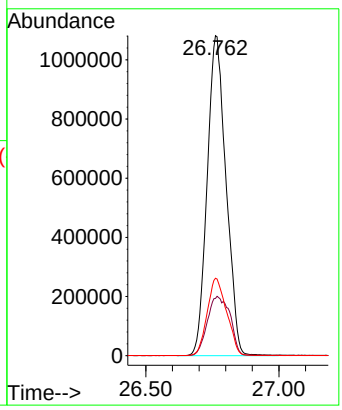




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.154 ng
RT: 26.762 min Scan# 4
Delta R.T. 0.035 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:276 Resp: 532284

Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.4	29.0
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations
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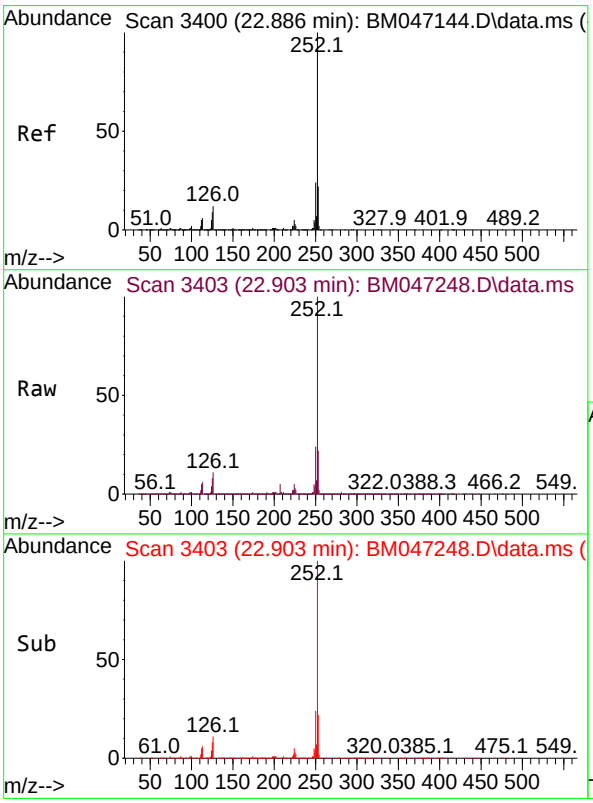
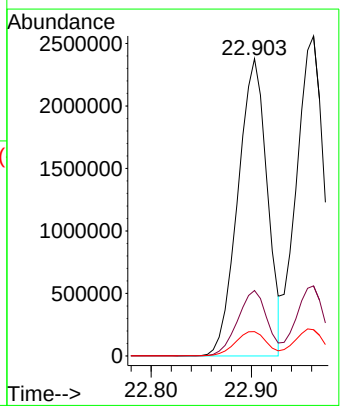
Supervised By :mohammad ahmed 08/21/2024

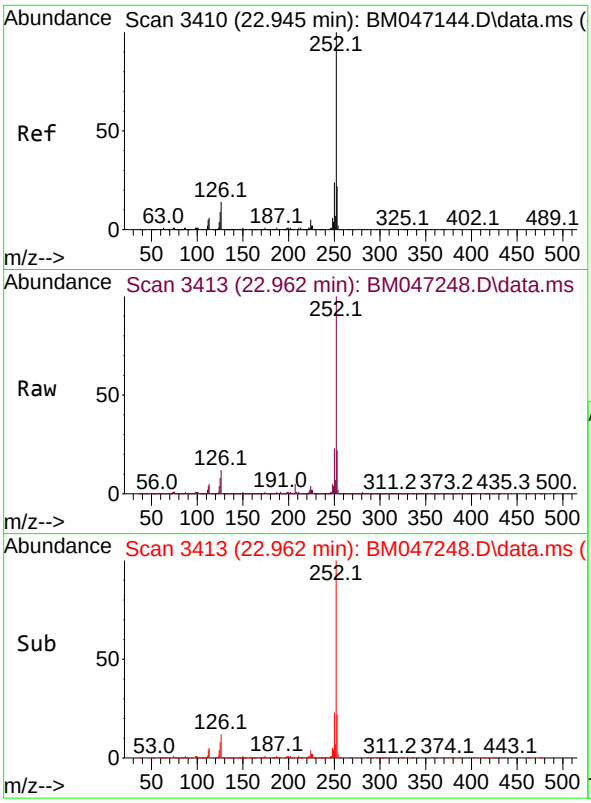


#88
Benzo(b)fluoranthene
Concen: 47.536 ng
RT: 22.903 min Scan# 3403
Delta R.T. 0.017 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:252 Resp: 4827644

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	8.2	7.4	11.0

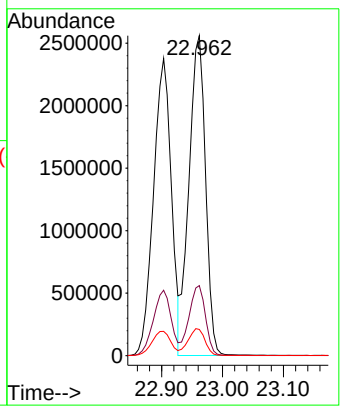




#89
Benzo(k)fluoranthene
Concen: 50.396 ng
RT: 22.962 min Scan# 34
Delta R.T. 0.017 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:252 Resp: 483422

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.2	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

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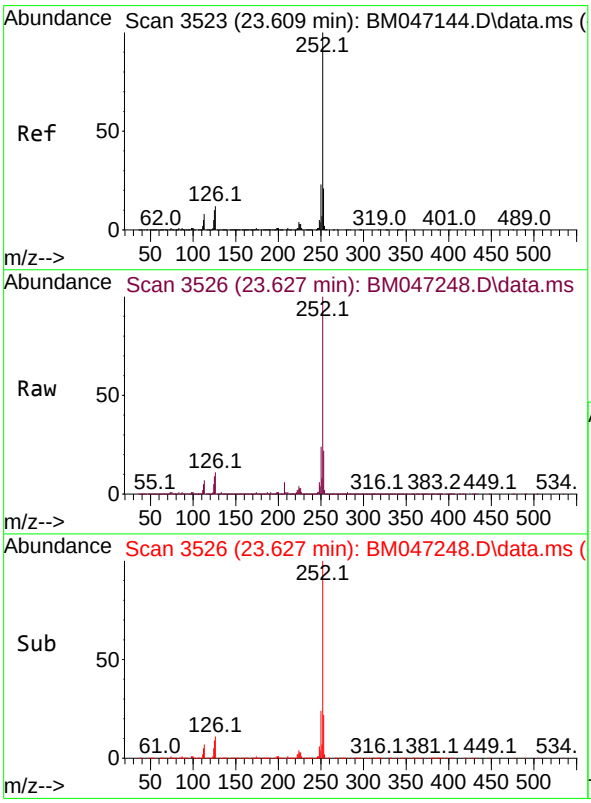
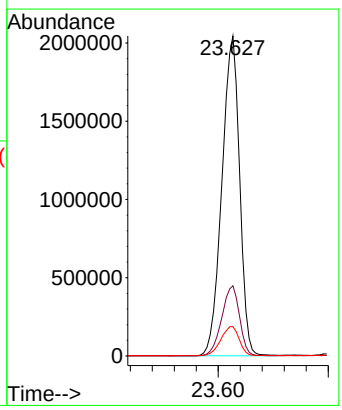
Supervised By :mohammad ahmed 08/21/2024

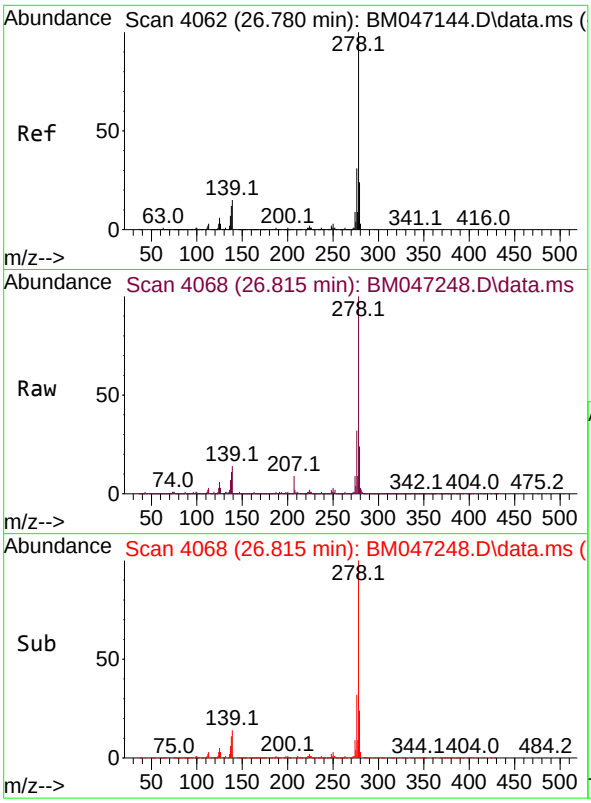


#90
Benzo(a)pyrene
Concen: 51.917 ng
RT: 23.627 min Scan# 3526
Delta R.T. 0.017 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:252 Resp: 4567416

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.2	8.2	12.2

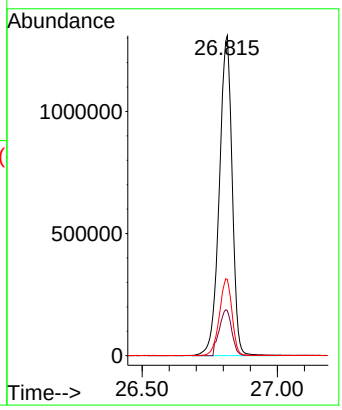




#91
Dibenzo(a,h)anthracene
Concen: 48.633 ng
RT: 26.815 min Scan# 4
Delta R.T. 0.035 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:278 Resp: 435051

Ion	Ratio	Lower	Upper
278	100		
139	14.1	12.0	18.0
279	23.8	19.2	28.8



Instrument :
BNA_M
ClientSampleId :
PB162722BSD

Manual Integrations
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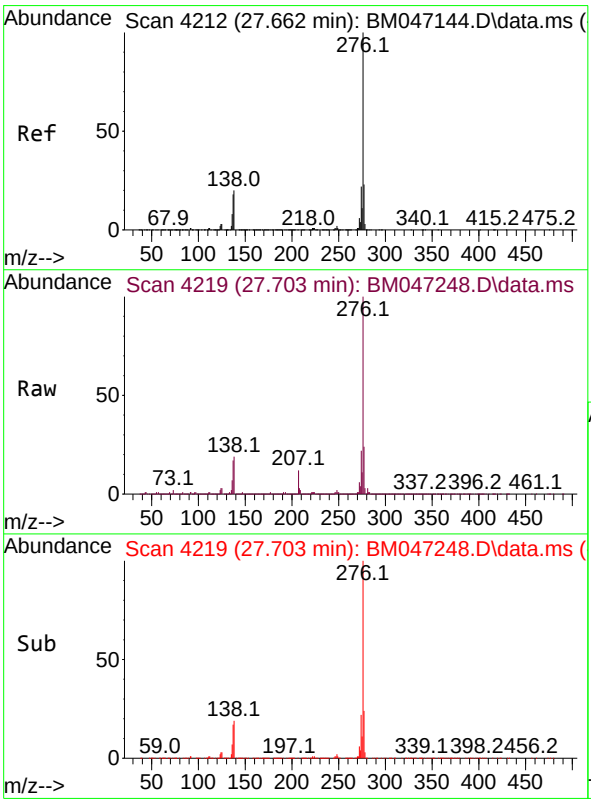
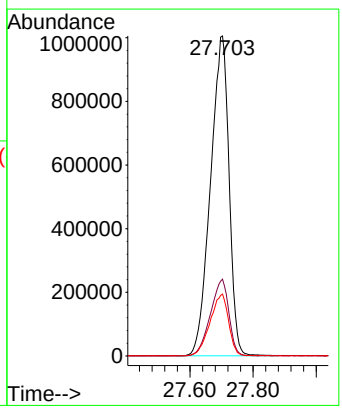
Supervised By :mohammad ahmed 08/21/2024



#92
Benzo(g,h,i)perylene
Concen: 44.052 ng
RT: 27.703 min Scan# 4219
Delta R.T. 0.041 min
Lab File: BM047248.D
Acq: 19 Aug 2024 11:41

Tgt Ion:276 Resp: 4091430

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	19.3	16.2	24.4



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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 incorrectly
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 incorrectly
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 incorrectly
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 incorrectly
SSTDICCC040	BM047144.D	Pyridine	Jagrut	8/12/2024 5:01:41 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software incorrectly
SSTDICC050	BM047145.D	Pyridine	Jagrut	8/12/2024 5:01:44 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software incorrectly
SSTDICC060	BM047146.D	Caprolactam	Jagrut	8/12/2024 5:01:46 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software incorrectly
SSTDICC060	BM047146.D	Pyridine	Jagrut	8/12/2024 5:01:46 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software incorrectly
SSTDICC080	BM047147.D	Caprolactam	Jagrut	8/12/2024 5:01:48 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software incorrectly
SSTDICC080	BM047147.D	Pyridine	Jagrut	8/12/2024 5:01:48 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software incorrectly
SSTDICV040	BM047148.D	Pyridine	Jagrut	8/12/2024 5:01:51 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software incorrectly

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Manual Integration Report

Sequence:	bm081924	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM047245.D	2,2"-oxybis(1-Chloropropane)	Jagrut	8/20/2024 2:27:05 PM	mohammad	8/21/2024 1:24:18 AM	Peak Integrated by Software incorrectly
SSTDCCC040	BM047245.D	Benzyl Alcohol	Jagrut	8/20/2024 2:27:05 PM	mohammad	8/21/2024 1:24:18 AM	Peak Integrated by Software incorrectly
PB162722BS	BM047247.D	Caprolactam	Jagrut	8/20/2024 2:27:08 PM	mohammad	8/21/2024 1:24:18 AM	Peak Integrated by Software incorrectly
PB162722BSD	BM047248.D	Caprolactam	Jagrut	8/20/2024 2:27:10 PM	mohammad	8/21/2024 1:24:18 AM	Peak Integrated by Software incorrectly

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Manual Integration Report

Sequence:	bm082124	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM047290.D	2,2"-oxybis(1-Chloropropane)	yogesh	8/22/2024 2:07:04 AM	mohammad	8/23/2024 6:56:22 AM	Peak Integrated by Software incorrectly

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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

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM081924

Review By	Jagrut	Review On	8/20/2024 2:27:36 PM		
Supervise By	mohammad	Supervise On	8/21/2024 1:24:18 AM		
SubDirectory	BM081924	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	BM047244.D	19 Aug 2024 09:03	RC/JU	Ok
2	SSTDCCC040	BM047245.D	19 Aug 2024 09:42	RC/JU	Ok,M
3	PB162722BL	BM047246.D	19 Aug 2024 10:22	RC/JU	Ok
4	PB162722BS	BM047247.D	19 Aug 2024 11:02	RC/JU	Ok,M
5	PB162722BSD	BM047248.D	19 Aug 2024 11:41	RC/JU	Ok,M
6	PB162757BL	BM047249.D	19 Aug 2024 12:21	RC/JU	Not Ok
7	PB162757BS	BM047250.D	19 Aug 2024 13:01	RC/JU	Ok,M
8	PB162757BSD	BM047251.D	19 Aug 2024 13:42	RC/JU	Ok,M
9	P3596-01	BM047252.D	19 Aug 2024 14:48	RC/JU	ReRun
10	P3596-02	BM047253.D	19 Aug 2024 15:28	RC/JU	ReRun
11	P3580-01	BM047254.D	19 Aug 2024 16:08	RC/JU	Not Ok
12	P3580-02	BM047255.D	19 Aug 2024 16:48	RC/JU	ReRun
13	P3609-01	BM047256.D	19 Aug 2024 17:28	RC/JU	Ok
14	P3609-02	BM047257.D	19 Aug 2024 18:08	RC/JU	Ok
15	P3619-01	BM047258.D	19 Aug 2024 18:49	RC/JU	Not Ok
16	P3643-06	BM047259.D	19 Aug 2024 19:29	RC/JU	Ok,M
17	P3637-01	BM047260.D	19 Aug 2024 20:09	RC/JU	Ok
18	P3643-07	BM047261.D	19 Aug 2024 20:48	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082124

Review By	Jagrut	Review On	8/22/2024 9:21:06 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:22 AM		
SubDirectory	BM082124	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	BM047289.D	21 Aug 2024 09:04	RC/JU	Ok
2	SSTDCCC040	BM047290.D	21 Aug 2024 09:44	RC/JU	Ok,M
3	PB162815BL	BM047291.D	21 Aug 2024 10:24	RC/JU	Ok
4	PB162815BS	BM047292.D	21 Aug 2024 11:03	RC/JU	Ok,M
5	PB162782BL	BM047293.D	21 Aug 2024 11:43	RC/JU	Ok
6	PB162782BS	BM047294.D	21 Aug 2024 12:23	RC/JU	Ok,M
7	P3617-08	BM047295.D	21 Aug 2024 13:07	RC/JU	Ok
8	P3617-08MS	BM047296.D	21 Aug 2024 13:47	RC/JU	Ok
9	P3617-08MSD	BM047297.D	21 Aug 2024 14:27	RC/JU	Ok,M
10	P3596-02	BM047298.D	21 Aug 2024 15:06	RC/JU	Ok
11	P3580-02	BM047299.D	21 Aug 2024 15:46	RC/JU	Ok
12	P3596-01	BM047300.D	21 Aug 2024 16:26	RC/JU	Ok
13	P3617-13	BM047301.D	21 Aug 2024 17:06	RC/JU	Ok,M
14	P3617-12	BM047302.D	21 Aug 2024 17:45	RC/JU	Ok,M
15	P3617-07	BM047303.D	21 Aug 2024 18:25	RC/JU	Ok,M
16	P3652-01MS	BM047304.D	21 Aug 2024 19:05	RC/JU	Ok
17	P3652-01MSD	BM047305.D	21 Aug 2024 19:44	RC/JU	Ok
18	P3669-01	BM047306.D	21 Aug 2024 20:24	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 # BM081924

Review By	Jagrut	Review On	8/20/2024 2:27:36 PM		
Supervise By	mohammad	Supervise On	8/21/2024 1:24:18 AM		
SubDirectory	BM081924	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	BM047244.D	19 Aug 2024 09:03		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047245.D	19 Aug 2024 09:42		RC/JU	Ok,M
3	PB162722BL	PB162722BL	BM047246.D	19 Aug 2024 10:22		RC/JU	Ok
4	PB162722BS	PB162722BS	BM047247.D	19 Aug 2024 11:02		RC/JU	Ok,M
5	PB162722BSD	PB162722BSD	BM047248.D	19 Aug 2024 11:41		RC/JU	Ok,M
6	PB162757BL	PB162757BL	BM047249.D	19 Aug 2024 12:21	Internal Standard Fail	RC/JU	Not Ok
7	PB162757BS	PB162757BS	BM047250.D	19 Aug 2024 13:01		RC/JU	Ok,M
8	PB162757BSD	PB162757BSD	BM047251.D	19 Aug 2024 13:42		RC/JU	Ok,M
9	P3596-01	918-J-WS-081324	BM047252.D	19 Aug 2024 14:48	Internal Standard Fail	RC/JU	ReRun
10	P3596-02	918-J-WS-081324-FD	BM047253.D	19 Aug 2024 15:28	Internal Standard Fail	RC/JU	ReRun
11	P3580-01	926-KI-SD-0-0.5-08122	BM047254.D	19 Aug 2024 16:08	Not match with Sim Analysis - Re-extraction	RC/JU	Not Ok
12	P3580-02	926-KI-SD-0.5-1-08122	BM047255.D	19 Aug 2024 16:48	Internal Standard Fail	RC/JU	ReRun
13	P3609-01	915-J-WS-081424	BM047256.D	19 Aug 2024 17:28		RC/JU	Ok
14	P3609-02	920-J-WS-081424	BM047257.D	19 Aug 2024 18:08		RC/JU	Ok
15	P3619-01	917-J-WS-081424	BM047258.D	19 Aug 2024 18:49	Sample ID Removed From Login Page	RC/JU	Not Ok
16	P3643-06	917-J-SD-0.5-1.0-0815	BM047259.D	19 Aug 2024 19:29		RC/JU	Ok,M
17	P3637-01	ETGI - 370	BM047260.D	19 Aug 2024 20:09		RC/JU	Ok

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM081924

Review By	Jagrut	Review On	8/20/2024 2:27:36 PM		
Supervise By	mohammad	Supervise On	8/21/2024 1:24:18 AM		
SubDirectory	BM081924	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	

18	P3643-07	918-J-SD-0-0.5-081524	BM047261.D	19 Aug 2024 20:48		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082124

Review By	Jagrut	Review On	8/22/2024 9:21:06 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:22 AM		
SubDirectory	BM082124	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	BM047289.D	21 Aug 2024 09:04		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047290.D	21 Aug 2024 09:44		RC/JU	Ok,M
3	PB162815BL	PB162815BL	BM047291.D	21 Aug 2024 10:24		RC/JU	Ok
4	PB162815BS	PB162815BS	BM047292.D	21 Aug 2024 11:03		RC/JU	Ok,M
5	PB162782BL	PB162782BL	BM047293.D	21 Aug 2024 11:43		RC/JU	Ok
6	PB162782BS	PB162782BS	BM047294.D	21 Aug 2024 12:23		RC/JU	Ok,M
7	P3617-08	VCPS-B4-081424-10-1	BM047295.D	21 Aug 2024 13:07		RC/JU	Ok
8	P3617-08MS	VCPS-B4-081424-10-1	BM047296.D	21 Aug 2024 13:47		RC/JU	Ok
9	P3617-08MSD	VCPS-B4-081424-10-1	BM047297.D	21 Aug 2024 14:27		RC/JU	Ok,M
10	P3596-02	918-J-WS-081324-FD	BM047298.D	21 Aug 2024 15:06		RC/JU	Ok
11	P3580-02	926-KI-SD-0.5-1-08122	BM047299.D	21 Aug 2024 15:46		RC/JU	Ok
12	P3596-01	918-J-WS-081324	BM047300.D	21 Aug 2024 16:26		RC/JU	Ok
13	P3617-13	VCPS-B5-081424-10-1	BM047301.D	21 Aug 2024 17:06		RC/JU	Ok,M
14	P3617-12	VCPS-B5-081424-0-10	BM047302.D	21 Aug 2024 17:45		RC/JU	Ok,M
15	P3617-07	VCPS-B4-081424-0-10	BM047303.D	21 Aug 2024 18:25		RC/JU	Ok,M
16	P3652-01MS	LIVONIA-SOILMS	BM047304.D	21 Aug 2024 19:05		RC/JU	Ok
17	P3652-01MSD	LIVONIA-SOILMSD	BM047305.D	21 Aug 2024 19:44		RC/JU	Ok
18	P3669-01	20430	BM047306.D	21 Aug 2024 20:24		RC/JU	Ok,M

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082124

Review By	Jagrut	Review On	8/22/2024 9:21:06 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:22 AM		
SubDirectory	BM082124	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	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162722

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/14/2024
Matrix :	Water			**Extraction Start Time :**	08:25
Weigh By:	N/A	**Extraction By:**	RP	**Extraction End Date :**	08/14/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:25
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	EP2514
H2SO4 1:1	N/A	EP2499
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.pH adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

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
08/14/24	RP (Sept. 9 ab)	RC/SVOC
13:30	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162722

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 08/14/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162722BL	SBLK722	SVOCMS Group6	1000	6	RUPESH	rajesh	1			SEP-1
PB162722BS	SLCS722	SVOCMS Group6	1000	6	RUPESH	rajesh	1			2
PB162722BSD	SLCSD722	SVOCMS Group6	1000	6	RUPESH	rajesh	1			3
P3596-01	918-J-WS-081324	SVOCMS Group6	970	6	RUPESH	rajesh	1	E		4
P3596-02	918-J-WS-081324-FD	SVOCMS Group6	960	6	RUPESH	rajesh	1	E		5

* **Extracts relinquished on the same date as received.**

8/14/24

182722
8:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3596 **WorkList ID :** 182636 **Department :** Extraction **Date :** 08-14-2024 08:20:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3596-01	918-J-WS-081324	Water	SVOCMS Group3	Cool 4 deg C	JACO05	D21	08/13/2024	8270-Modified
P3596-01	918-J-WS-081324	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D21	08/13/2024	8270E
P3596-02	918-J-WS-081324-FD	Water	SVOCMS Group3	Cool 4 deg C	JACO05	D21	08/13/2024	8270-Modified
P3596-02	918-J-WS-081324-FD	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D21	08/13/2024	8270E

Date/Time 08/14/24 8:22

Raw Sample Received by: RS (Ser Lab)

Raw Sample Relinquished by: [signature]

Date/Time 08/14/24 8:50

Raw Sample Received by: [signature]

Raw Sample Relinquished by: RS (Ser Lab)

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Prep Standard - Chemical Standard Summary

Order ID : P3596

Test : SVOCMS Group6

Prepbatch ID : PB162722,

Sequence ID/Qc Batch ID: BM081924,BM082124,

Standard ID :
EP2499,EP2514,EP2521,SP6524,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,SP6558,SP6559,SP6573,SP6604,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3744,E3746,E3768,E3780,E3787,M5037,S10102,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11092,S11096,S11102,S11138,S11141,S11148,S11434,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12041,S12076,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12449,S12450,S12451,S12452,S12453,W2606,W3112,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2499	06/17/2024	10/24/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 06/17/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W2606 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2514	07/17/2024	01/17/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 07/17/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	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
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
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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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 #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	10/26/2024	04/26/2024 / Rahul	05/18/2022 / Christian	S10398

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	08/31/2030	05/31/2024 / Jagrut	12/28/2022 / Christian	S10972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	08/31/2028	05/31/2024 / Jagrut	12/28/2022 / Christian	S10996

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10997

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10998

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10999

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11000

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11002

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0193449	10/26/2024	04/26/2024 / Rahul	01/13/2023 / Christian	S11012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11102

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	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 #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

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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]	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

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

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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	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	02/13/2025	08/13/2024 / anahy	12/21/2023 / Rahul	S12041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	01/09/2025	07/09/2024 / Jagrut	01/31/2024 / Rahul	S12076

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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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	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

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12452

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

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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	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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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.

CPI INTERNATIONAL

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 02/07/23 by CG

~~S11097~~ 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

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Date Received:_____

Certificate of Analysis

Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol		1,003.6 µg/mL	+/- 5.8897 µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 211229RSR)		+/- 45.7132 µg/mL	Unstressed
	Purity 99%			+/- 66.0037 µg/mL	Stressed
2	DFTPP (Decafluorotriphenylphosphine)		1,006.6 µg/mL	+/- 5.9074 µg/mL	Gravimetric
	CAS # 5074-71-5	(Lot Q117-147)		+/- 45.8508 µg/mL	Unstressed
	Purity 95%			+/- 66.2023 µg/mL	Stressed
3	Benzidine		1,008.4 µg/mL	+/- 5.9179 µg/mL	Gravimetric
	CAS # 92-87-5	(Lot 211228JLM)		+/- 45.9318 µg/mL	Unstressed
	Purity 99%			+/- 66.3193 µg/mL	Stressed
4	4,4'-DDT		1,007.6 µg/mL	+/- 5.9132 µg/mL	Gravimetric
	CAS # 50-29-3	(Lot 210916JLM)		+/- 45.8954 µg/mL	Unstressed
	Purity 99%			+/- 66.2667 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

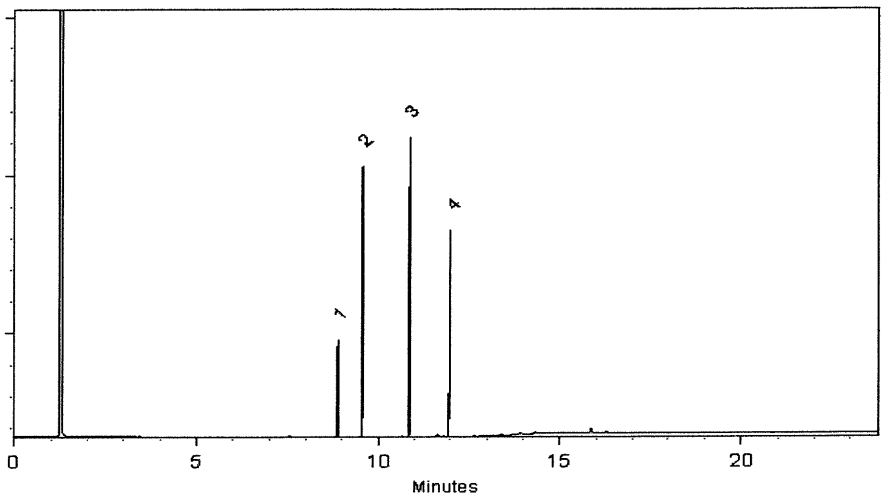
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received 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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

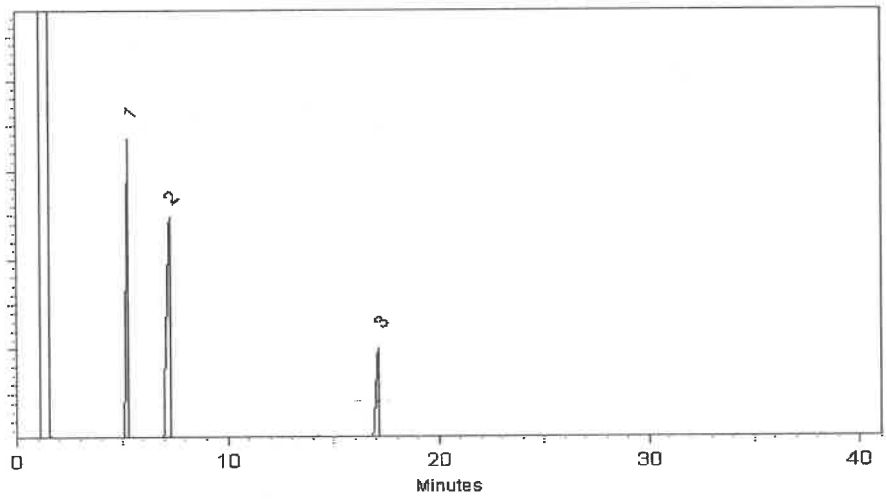
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

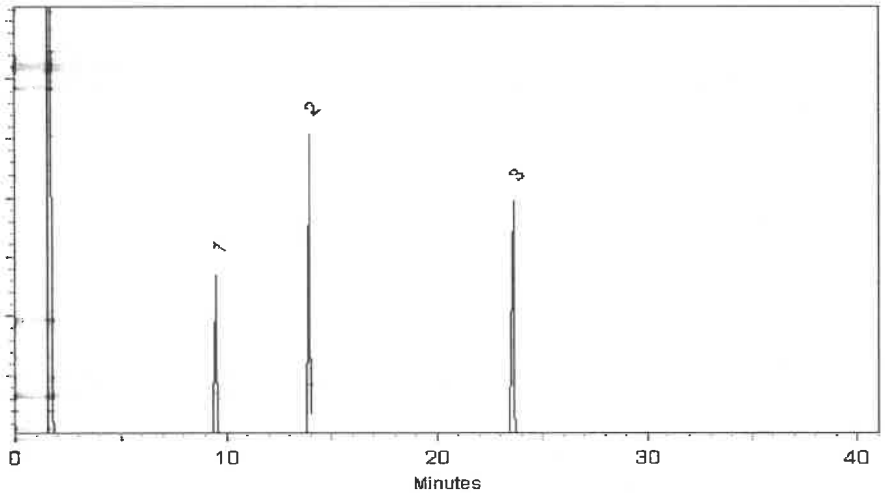
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

gravimetric

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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. : 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

Received on 01/13/23 by CG S11011 to S11015

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFI

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek' Registered Quality Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

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.

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Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

tes:

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.

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Notes:

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MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RJ 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

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

Jamie Croak
Director Quality Operations, Bioscience Production

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M3033-38-33-40
no

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

511434 } Y.P. 07/20/23

CPI INTERNATIONAL

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	503442	≤ -10 °C	Methylene Chloride	8/26/2024	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5052 ± 122.61
2-fluorobiphenyl	321-60-8	99.7	8.7.1.1P	5005 ± 121.47
nitrobenzene-d_5	4165-60-0	100	7.9.2P	5040 ± 122.21
p-terphenyl-d_{14}	1718-51-0	99.6	9.12.9P	5027 ± 122

*Not a certified value

Certified By: Joanna Radu

Joanna Radu
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.
09/1

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

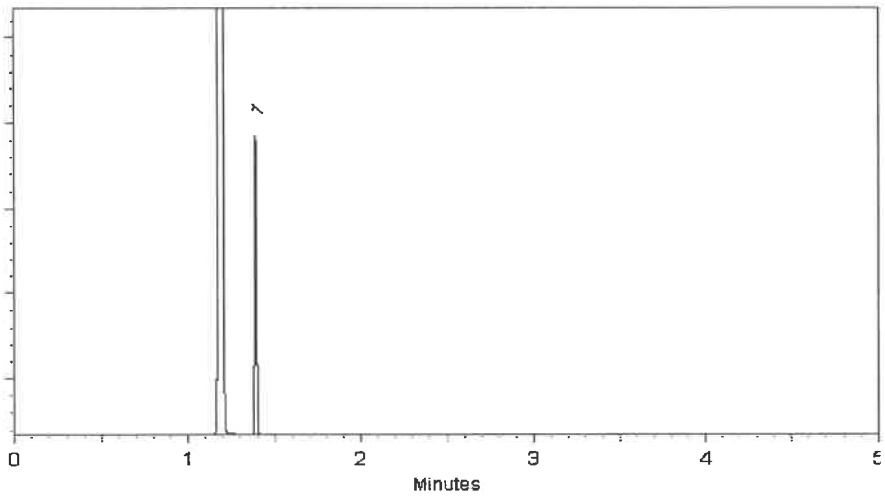
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

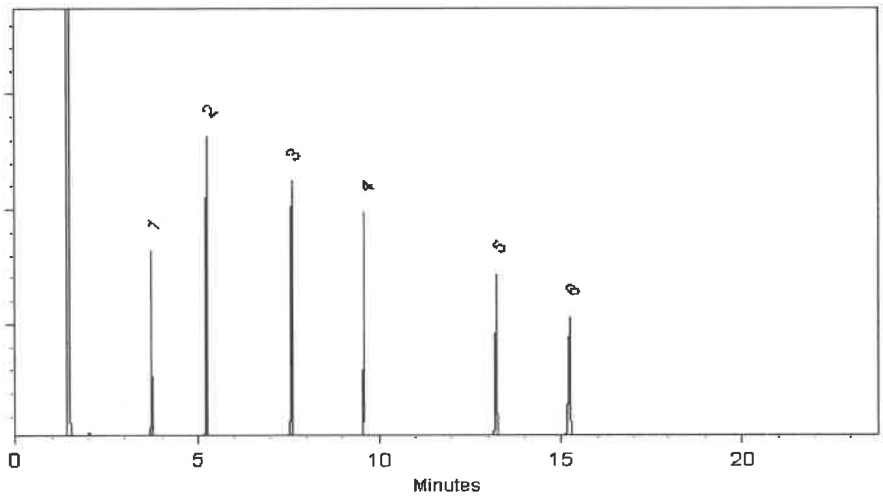
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

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Santa Rosa, CA 95403

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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.

RESTEK
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

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Santa Rosa, CA 95403

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P3596
COC Number 2041313

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Ynfante
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ~~D~~ (TA) STC PTC
PROJECT NO.: D3779922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

VOCs 8260D, SVOCs + PAHs 8270E, 8270E SIM, Metals 6020B, Hg 7420B, Cr(VI) 7196A, SW3060A

PRESERVATIVES

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 A/E	2 E	3 B/E	4 E	5	6	7	8	9	COMMENTS
1.	918-J-WS-081324	WS		X	8-13-24	1115	8	2	4	1	1						
2.	918-J-WS-081324-FD	WS		X	8-13-24	1120	8	2	4	1	1						
3.	TB-01-081324	DI		X	8-13-24	1200	1	1									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	8-13-24 1245	1. [signature] 1245 8-13-24
2.		2.
3. [signature]	8-13-24 1405	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments: See attached table for required analytes list of ECO-VOCs, ECO-SVOCs, and ECO metals
2 L of extra volume for SVOC + PAH analysis

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P3596 JACO05	**Order Date :**	8/13/2024 1:10:00 PM	**Project Mgr :**	Yazmeen
Client Name :	JACOBS Engineering Grou	**Project Name :**	Former Schlumberger Site I	**Report Type :**	Level 4
Client Contact :	Mary I. Murphy	**Receive DateTime :**	8/13/2024 ~~12:00:00~~ AM 14:05	**EDD Type :**	CH2MHILL
Invoice Name :	JACOBS Engineering Grou	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mary I. Murphy			**Date Signoff :**	8/13/2024 3:37:47 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
P3596-01	918-J-WS-081324	Water	08/13/2024	11:15						
					VOCMS Group6		8260-Low	10 Bus. Days		
P3596-02	918-J-WS-081324-FD	Water	08/13/2024	11:20						
					VOCMS Group6		8260-Low	10 Bus. Days		
P3596-03	TB-01-081324	Water	08/13/2024	12:00						
					VOCMS Group6		8260-Low	10 Bus. Days		

Relinguished By : [signature]
Date / Time : 8/13/24 1540

Received By : Sany
Date / Time : 8/13/24 1540 Rep # 4
Storage Area : VOA Refridgerator Room