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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : NJ WASTE WATER PT

CHEMTECH CONSULTING GROUP

284 Sheffield St,

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : P3845

ATTENTION : QA Officer

Laboratory Certification ID # 20012

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Cover Page

Order ID : P3845

Project ID : NJ Waste Water PT

Client : Chemtech Consulting Group

Lab Sample Number	Client Sample Number
P3845-01	PT-VOA-WP
P3845-02	PT-VOA-WP
P3845-03	PT-BN-WP
P3845-04	PT-BN-WP
P3845-05	PT-BN-WP
P3845-06	PT-ACIDS-WP
P3845-07	PT-ACIDS-WP
P3845-08	PT-ACIDS-WP
P3845-09	PT-PEST-WP
P3845-10	PT-PEST-WP
P3845-11	PT-CHLR-WP
P3845-12	PT-CHLR-WP
P3845-13	PT-TXP-WP
P3845-14	PT-TXP-WP
P3845-15	PT-PCBW-WP
P3845-16	PT-PCBW-WP
P3845-17	PT-HERB-WP
P3845-18	RR-GAS-WP
P3845-19	RR-DIES-WP
P3845-20	RR-8011-WP
P3845-21	RR-PAH-WP
P3845-22	RR-TRIAZINE-WP

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
Nimisha Pandya, QA/QC Supervisor , 10/28/2024, 11:02:58 AM

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Waste Water PT
Project # N/A
Chemtech Project # P3845
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
22 Water samples were received on 09/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for SVOCMS Group1.

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 Group1 was based on method 625.1,8270E 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 PT-BN-WP [Terphenyl-d14 - 132%], as per method two surrogates are allowed to failed, no corrective action was taken.

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

The Blank Spike for {PB163318BS} with File ID: BM047568.D met requirements for all samples except for bis(2-Ethylhexyl)phthalate[111%], Butylbenzylphthalate[113%], Dibenz(a,h)anthracene[125%], Hexachlorocyclopentadiene[170%] and Indeno(1,2,3-cd)pyrene[127%], failing high but no positive hit for these compounds therefore no corrective action was taken.

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The Blank Spike Duplicate for {PB163318BSD} with File ID: BM047569.D met requirements for all samples except for bis(2-Ethylhexyl)phthalate[111%], Butylbenzylphthalate[112%], Dibenz(a,h)anthracene[126%], Hexachlorocyclopentadiene[170%] and Indeno(1,2,3-cd)pyrene[127%], failing high but no positive hit for these compounds therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BM091424.M) for Benzoic acid , 4,6-Dinitro-2-methylphenol, this compound is passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression

The Continuous Calibration File ID BM047533.D met the requirements except for Benzidine, failing high but no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BM047566.D met the requirements except for 3,3-Dichlorobenzidine,Benzidine,Bis(2-ethylhexyl)phthalate,Butylbenzylphthalate and Di-n-octyl phthalate, failing high but no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

Sample PT-BN-WP was diluted due to high concentration.

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.

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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
Nimisha Pandya, QA/QC Supervisor , 10/28/2024, 11:03:11 AM

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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

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

CHEMTECH PROJECT NUMBER: P3845 MATRIX: Water

METHOD: 625.1,8270E/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 20% in the Initial Calibration (8270-BM091424.M) for Benzoic acid , 4,6-Dinitro-2-methylphenol, this compound is passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression

The Continuous Calibration File ID BM047533.D met the requirements except for Benzidine, failing high but no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BM047566.D met the requirements except for 3,3-Dichlorobenzidine,Benzidine,Bis(2-ethylhexyl)phthalate,Butylbenzylphthalate and Di-n-octyl phthalate, failing high but no positive hit for these compounds therefore no corrective action was taken.

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

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

The Surrogate recoveries met the acceptable criteria except for PT-BN-WP [Terphenyl-d14 - 132%], as per method two surrogates are allowed to failed, no corrective action was taken.

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 for {PB163318BS} with File ID: BM047568.D met requirements for all samples except for bis(2-Ethylhexyl)phthalate[111%], Butylbenzylphthalate[113%], Dibenz(a,h)anthracene[125%], Hexachlorocyclopentadiene[170%] and Indeno(1,2,3-cd)pyrene[127%], failing high but no positive hit for these compounds therefore no corrective action was taken.			
	The Blank Spike Duplicate for {PB163318BSD} with File ID: BM047569.D met requirements for all samples except for bis(2-Ethylhexyl)phthalate[111%], Butylbenzylphthalate[112%], Dibenz(a,h)anthracene[126%], Hexachlorocyclopentadiene[170%] and Indeno(1,2,3-cd)pyrene[127%], failing high but no positive hit for these compounds therefore no corrective action was taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met		✓	
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met		✓	
	If not met, list number of days exceeded for each sample:			
	The Holding Times were met for all analysis.			

ADDITIONAL COMMENTS:

Sample PT-BN-WP was diluted due to high concentration.

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

By Sohil Jodhani, QA/QC Director at 10:10 am, Oct 28, 2024

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3845

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 10/21/2024

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LAB CHRONICLE

OrderID:	P3845	**OrderDate:**	9/5/2024 2:19:00 PM
Client:	Chemtech Consulting Group	**Project:**	NJ Waste Water PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3845-03	**PT-BN-WP**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group1	8270E		09/12/24	09/16/24	
P3845-03DL	**PT-BN-WPDL**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group1	8270E		09/12/24	09/16/24	

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Hit Summary Sheet
SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-BN-WP								
P3845-03	PT-BN-WP	WATER	n-Nitrosodimethylamine	110.000	E	1	10	ug/L
P3845-03	PT-BN-WP	WATER	bis(2-Chloroethyl)ether	110.000	E	1.2	5	ug/L
P3845-03	PT-BN-WP	WATER	1,3-Dichlorobenzene	150.000	E	0.8	5	ug/L
P3845-03	PT-BN-WP	WATER	2,2-oxybis(1-Chloropropane)	66.900		1.4	5	ug/L
P3845-03	PT-BN-WP	WATER	n-Nitroso-di-n-propylamine	110.000	E	1.5	2.5	ug/L
P3845-03	PT-BN-WP	WATER	Hexachloroethane	120.000	E	1	5	ug/L
P3845-03	PT-BN-WP	WATER	Naphthalene	150.000	E	1	5	ug/L
P3845-03	PT-BN-WP	WATER	Hexachlorobutadiene	67.800		1.3	5	ug/L
P3845-03	PT-BN-WP	WATER	2-Methylnaphthalene	87.400	E	1.1	5	ug/L
P3845-03	PT-BN-WP	WATER	Hexachlorocyclopentadiene	350.000	EQ	5	10	ug/L
P3845-03	PT-BN-WP	WATER	Acenaphthylene	170.000	E	1	5	ug/L
P3845-03	PT-BN-WP	WATER	2,6-Dinitrotoluene	87.100	E	1.2	5	ug/L
P3845-03	PT-BN-WP	WATER	3-Nitroaniline	93.300	E	1.4	5	ug/L
P3845-03	PT-BN-WP	WATER	Acenaphthene	16.400		0.81	5	ug/L
P3845-03	PT-BN-WP	WATER	Dibenzofuran	56.500		0.93	5	ug/L
P3845-03	PT-BN-WP	WATER	2,4-Dinitrotoluene	64.800		1.5	5	ug/L
P3845-03	PT-BN-WP	WATER	Diethylphthalate	92.600	E	1	5	ug/L
P3845-03	PT-BN-WP	WATER	4-Chlorophenyl-phenylether	39.800		0.98	5	ug/L
P3845-03	PT-BN-WP	WATER	Fluorene	180.000	E	0.96	5	ug/L
P3845-03	PT-BN-WP	WATER	n-Nitrosodiphenylamine	130.000	E	0.89	5	ug/L
P3845-03	PT-BN-WP	WATER	Hexachlorobenzene	170.000	E	1.1	5	ug/L
P3845-03	PT-BN-WP	WATER	Anthracene	130.000	E	1.1	5	ug/L
P3845-03	PT-BN-WP	WATER	Pyrene	31.500		1.1	5	ug/L
P3845-03	PT-BN-WP	WATER	Chrysene	160.000	E	0.86	5	ug/L
P3845-03	PT-BN-WP	WATER	Bis(2-ethylhexyl)phthalate	110.000	EQ	1.9	5	ug/L
P3845-03	PT-BN-WP	WATER	Di-n-octyl phthalate	170.000	E	2.5	10	ug/L
P3845-03	PT-BN-WP	WATER	Benzo(b)fluoranthene	47.800		1.1	5	ug/L
P3845-03	PT-BN-WP	WATER	Benzo(k)fluoranthene	81.400	E	1.2	5	ug/L
P3845-03	PT-BN-WP	WATER	Benzo(a)pyrene	83.700	E	1.7	5	ug/L
P3845-03	PT-BN-WP	WATER	Indeno(1,2,3-cd)pyrene	120.000	EQ	1	5	ug/L
P3845-03	PT-BN-WP	WATER	Dibenzo(a,h)anthracene	110.000	EQ	1.2	5	ug/L
P3845-03	PT-BN-WP	WATER	Benzo(g,h,i)perylene	77.800		1.2	5	ug/L
P3845-03	PT-BN-WP	WATER	1-Methylnaphthalene	170.000	E	0.86	5	ug/L
			Total Svoc :	**3,714.80**				
			Total Concentration:	**3,714.80**				
Client ID : PT-BN-WPDL								
P3845-03DL	PT-BN-WPDL	WATER	n-Nitrosodimethylamine	130.000	D	5.2	50	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3845-03DL	PT-BN-WPDL	WATER	bis(2-Chloroethyl)ether	130.000	D	6	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	1,3-Dichlorobenzene	150.000	D	4	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	2,2-oxybis(1-Chloropropane)	76.000	D	6.8	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	n-Nitroso-di-n-propylamine	110.000	D	7.4	12.5	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Hexachloroethane	130.000	D	5.1	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Naphthalene	150.000	D	5.1	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Hexachlorobutadiene	70.200	D	6.4	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	2-Methylnaphthalene	86.100	D	5.7	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Hexachlorocyclopentadiene	300.000	DQ	25.1	50	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Acenaphthylene	160.000	D	5.2	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	2,6-Dinitrotoluene	76.600	D	6.2	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	3-Nitroaniline	87.400	D	6.9	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Acenaphthene	17.500	JD	4.1	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Dibenzofuran	56.200	D	4.7	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	2,4-Dinitrotoluene	56.700	D	7.6	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Diethylphthalate	89.200	D	5.2	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	4-Chlorophenyl-phenylether	36.700	D	4.9	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Fluorene	180.000	D	4.8	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	n-Nitrosodiphenylamine	120.000	D	4.5	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Hexachlorobenzene	140.000	D	5.7	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Anthracene	120.000	D	5.4	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Pyrene	31.200	D	5.3	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Chrysene	150.000	D	4.3	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Bis(2-ethylhexyl)phthalate	81.700	DQ	9.5	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Di-n-octyl phthalate	130.000	D	12.5	50	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Benzo(b)fluoranthene	45.100	D	5.7	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Benzo(k)fluoranthene	71.700	D	6	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Benzo(a)pyrene	74.400	D	8.4	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Indeno(1,2,3-cd)pyrene	110.000	DQ	5.1	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Dibenzo(a,h)anthracene	93.700	DQ	5.8	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	Benzo(g,h,i)perylene	76.000	D	5.9	25	ug/L
P3845-03DL	PT-BN-WPDL	WATER	1-Methylnaphthalene	170.000	D	4.3	25	ug/L
			Total Svoc :	**3,506.40**				
			Total Concentration:	**3,506.40**				

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3845-03	PT-BN-WP	2-Fluorophenol	150	153	102		10	139
		Phenol-d6	150	145	97		10	134
		Nitrobenzene-d5	100	96.7	97		49	133
		2-Fluorobiphenyl	100	98.0	98		52	132
		2,4,6-Tribromophenol	150	111	74		44	137
		Terphenyl-d14	100	132	132	*	48	125
P3845-03DL	PT-BN-WPDL	2-Fluorophenol	150	155	103		10	139
		Phenol-d6	150	148	99		10	134
		Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	94.7	95		52	132
		2,4,6-Tribromophenol	150	98.8	66		44	137
		Terphenyl-d14	100	119	119		48	125
PB163318BL	PB163318BL	2-Fluorophenol	150	124	83		10	139
		Phenol-d6	150	109	73		10	134
		Nitrobenzene-d5	100	78.0	78		49	133
		2-Fluorobiphenyl	100	76.7	77		52	132
		2,4,6-Tribromophenol	150	107	71		44	137
		Terphenyl-d14	100	95.1	95		48	125
PB163318BS	PB163318BS	2-Fluorophenol	150	156	104		10	139
		Phenol-d6	150	140	93		10	134
		Nitrobenzene-d5	100	96.1	96		49	133
		2-Fluorobiphenyl	100	95.8	96		52	132
		2,4,6-Tribromophenol	150	142	95		44	137
		Terphenyl-d14	100	111	111		48	125
PB163318BSD	PB163318BSD	2-Fluorophenol	150	153	102		10	139
		Phenol-d6	150	139	92		10	134
		Nitrobenzene-d5	100	96.5	96		49	133
		2-Fluorobiphenyl	100	96.9	97		52	132
		2,4,6-Tribromophenol	150	142	95		44	137
		Terphenyl-d14	100	113	113		48	125

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: 8270E **DataFile:** BM047568.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB163318BS	n-Nitrosodimethylamine	50	40.5	ug/L	81				55	108	
	Pyridine	50	36.5	ug/L	73				29	97	
	Benzaldehyde	50	17.6	ug/L	35				10	162	
	Aniline	50	46.2	ug/L	92				10	130	
	bis(2-Chloroethyl)ether	50	44.2	ug/L	88				62	103	
	1,2-Dichlorobenzene	50	41.3	ug/L	83				72	102	
	1,3-Dichlorobenzene	50	42.7	ug/L	85				71	103	
	1,4-Dichlorobenzene	50	42.9	ug/L	86				76	103	
	Benzyl Alcohol	50	45.6	ug/L	91				36	93	
	2,2-oxybis(1-Chloropropane)	50	42.9	ug/L	86				65	100	
	Acetophenone	50	44.5	ug/L	89				60	104	
	N-Nitroso-di-n-propylamine	50	41.3	ug/L	83				57	107	
	Hexachloroethane	50	44.0	ug/L	88				76	118	
	Nitrobenzene	50	44.1	ug/L	88				58	106	
	Isophorone	50	44.6	ug/L	89				61	102	
	bis(2-Chloroethoxy)methane	50	44.8	ug/L	90				58	109	
	1,2,4-Trichlorobenzene	50	40.8	ug/L	82				41	115	
	Naphthalene	50	42.9	ug/L	86				64	107	
	4-Chloroaniline	50	28.3	ug/L	57				10	85	
	Hexachlorobutadiene	50	41.0	ug/L	82				69	101	
	Caprolactam	50	43.9	ug/L	88				58	128	
	2-Methylnaphthalene	50	42.4	ug/L	85				64	107	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		36	160	
	1,1-Biphenyl	50	45.6	ug/L	91				72	98	
	2-Chloronaphthalene	50	44.5	ug/L	89				59	106	
	2-Nitroaniline	50	49.7	ug/L	99				73	114	
	Dimethylphthalate	50	45.9	ug/L	92				64	103	
	Acenaphthylene	50	49.3	ug/L	99				79	103	
	2,6-Dinitrotoluene	50	44.2	ug/L	88				64	110	
	3-Nitroaniline	50	36.9	ug/L	74				28	100	
	Acenaphthene	50	51.0	ug/L	102				59	113	
	Dibenzofuran	50	44.5	ug/L	89				65	106	
	2,4-Dinitrotoluene	50	45.9	ug/L	92				60	115	
	Diethylphthalate	50	45.2	ug/L	90				63	105	
	4-Chlorophenyl-phenylether	50	41.9	ug/L	84				61	104	
	Fluorene	50	43.4	ug/L	87				64	107	
	4-Nitroaniline	50	43.7	ug/L	87				55	125	
	N-Nitrosodiphenylamine	50	48.3	ug/L	97				61	109	
	Azobenzene	50	47.7	ug/L	95				59	106	
	4-Bromophenyl-phenylether	50	44.0	ug/L	88				73	103	
	Hexachlorobenzene	50	44.6	ug/L	89				73	106	
	Atrazine	50	51.5	ug/L	103				76	120	
	Phenanthrene	50	46.6	ug/L	93				62	109	
	Anthracene	50	49.2	ug/L	98				65	110	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: 8270E **DataFile:** BM047568.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163318BS	Carbazole	50	46.3	ug/L	93				62	106	
	Di-n-butylphthalate	50	50.0	ug/L	100				64	106	
	Fluoranthene	50	43.7	ug/L	87				64	110	
	Benzidine	100	88.9	ug/L	89				10	94	
	Pyrene	50	48.8	ug/L	98				71	103	
	Butylbenzylphthalate	50	56.6	ug/L	113		*		61	105	
	3,3-Dichlorobenzidine	50	50.4	ug/L	101				43	108	
	Benzo(a)anthracene	50	48.6	ug/L	97				62	107	
	Chrysene	50	48.4	ug/L	97				61	108	
	bis(2-Ethylhexyl)phthalate	50	55.6	ug/L	111		*		59	110	
	Di-n-octyl phthalate	50	61.1	ug/L	122				52	139	
	Benzo(b)fluoranthene	50	46.6	ug/L	93				77	113	
	Benzo(k)fluoranthene	50	47.8	ug/L	96				77	105	
	Benzo(a)pyrene	50	53.4	ug/L	107				72	131	
	Indeno(1,2,3-cd)pyrene	50	63.7	ug/L	127		*		72	105	
	Dibenz(a,h)anthracene	50	62.3	ug/L	125		*		78	115	
	Benzo(g,h,i)perylene	50	59.0	ug/L	118				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.8	ug/L	94				72	101	
	1,4-Dioxane	50	38.9	ug/L	78				38	125	
	1-Methylnaphthalene	50	39.3	ug/L	79				51	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: 8270E **DataFile:** BM047569.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163318BSD	n-Nitrosodimethylamine	50	40.8	ug/L	82	1			55	108	20
	Pyridine	50	36.1	ug/L	72	1			29	97	20
	Benzaldehyde	50	17.6	ug/L	35	0			10	162	20
	Aniline	50	45.5	ug/L	91	2			10	130	20
	bis(2-Chloroethyl)ether	50	43.7	ug/L	87	1			62	103	20
	1,2-Dichlorobenzene	50	40.9	ug/L	82	1			72	102	20
	1,3-Dichlorobenzene	50	42.7	ug/L	85	0			71	103	20
	1,4-Dichlorobenzene	50	42.1	ug/L	84	2			76	103	20
	Benzyl Alcohol	50	45.4	ug/L	91	0			36	93	20
	2,2-oxybis(1-Chloropropane)	50	42.5	ug/L	85	1			65	100	20
	Acetophenone	50	44.6	ug/L	89	0			60	104	20
	N-Nitroso-di-n-propylamine	50	41.0	ug/L	82	1			57	107	20
	Hexachloroethane	50	43.6	ug/L	87	1			76	118	20
	Nitrobenzene	50	44.5	ug/L	89	1			58	106	20
	Isophorone	50	45.0	ug/L	90	1			61	102	20
	bis(2-Chloroethoxy)methane	50	44.8	ug/L	90	0			58	109	20
	1,2,4-Trichlorobenzene	50	41.2	ug/L	82	1			41	115	20
	Naphthalene	50	43.3	ug/L	87	1			64	107	20
	4-Chloroaniline	50	28.8	ug/L	58	2			10	85	20
	Hexachlorobutadiene	50	41.3	ug/L	83	1			69	101	20
	Caprolactam	50	43.8	ug/L	88	0			58	128	20
	2-Methylnaphthalene	50	42.3	ug/L	85	0			64	107	20
	Hexachlorocyclopentadiene	100	170	ug/L	170	0	*		36	160	20
	1,1-Biphenyl	50	46.3	ug/L	93	2			72	98	20
	2-Chloronaphthalene	50	45.2	ug/L	90	2			59	106	20
	2-Nitroaniline	50	49.8	ug/L	100	0			73	114	20
	Dimethylphthalate	50	45.9	ug/L	92	0			64	103	20
	Acenaphthylene	50	49.9	ug/L	100	1			79	103	20
	2,6-Dinitrotoluene	50	44.6	ug/L	89	1			64	110	20
	3-Nitroaniline	50	36.8	ug/L	74	0			28	100	20
	Acenaphthene	50	50.9	ug/L	102	0			59	113	20
	Dibenzofuran	50	45.0	ug/L	90	1			65	106	20
	2,4-Dinitrotoluene	50	46.0	ug/L	92	0			60	115	20
	Diethylphthalate	50	45.7	ug/L	91	1			63	105	20
	4-Chlorophenyl-phenylether	50	41.9	ug/L	84	0			61	104	20
	Fluorene	50	44.1	ug/L	88	2			64	107	20
	4-Nitroaniline	50	43.5	ug/L	87	0			55	125	20
	N-Nitrosodiphenylamine	50	48.8	ug/L	98	1			61	109	20
	Azobenzene	50	47.6	ug/L	95	0			59	106	20
	4-Bromophenyl-phenylether	50	44.8	ug/L	90	2			73	103	20
	Hexachlorobenzene	50	45.1	ug/L	90	1			73	106	20
	Atrazine	50	52.1	ug/L	104	1			76	120	20
	Phenanthrene	50	47.1	ug/L	94	1			62	109	20
	Anthracene	50	49.5	ug/L	99	1			65	110	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: 8270E **DataFile:** BM047569.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163318BSD	Carbazole	50	46.8	ug/L	94	1			62	106	20
	Di-n-butylphthalate	50	49.8	ug/L	100	0			64	106	20
	Fluoranthene	50	44.0	ug/L	88	1			64	110	20
	Benzidine	100	88.5	ug/L	89	0			10	94	20
	Pyrene	50	48.3	ug/L	97	1			71	103	20
	Butylbenzylphthalate	50	56.2	ug/L	112	1	*		61	105	20
	3,3-Dichlorobenzidine	50	51.4	ug/L	103	2			43	108	20
	Benzo(a)anthracene	50	49.1	ug/L	98	1			62	107	20
	Chrysene	50	48.6	ug/L	97	0			61	108	20
	bis(2-Ethylhexyl)phthalate	50	55.5	ug/L	111	0	*		59	110	20
	Di-n-octyl phthalate	50	61.0	ug/L	122	0			52	139	20
	Benzo(b)fluoranthene	50	46.1	ug/L	92	1			77	113	20
	Benzo(k)fluoranthene	50	48.0	ug/L	96	0			77	105	20
	Benzo(a)pyrene	50	53.4	ug/L	107	0			72	131	20
	Indeno(1,2,3-cd)pyrene	50	63.6	ug/L	127	0	*		72	105	20
	Dibenz(a,h)anthracene	50	63.0	ug/L	126	1	*		78	115	20
	Benzo(g,h,i)perylene	50	59.0	ug/L	118	0			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	47.7	ug/L	95	2			72	101	20
	1,4-Dioxane	50	39.0	ug/L	78	0			38	125	20
	1-Methylnaphthalene	50	39.5	ug/L	79	1			51	114	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163318BL

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047567.D Lab Sample ID: PB163318BL

Instrument ID: BNA_M Date Extracted: 09/12/2024

Matrix: (soil/water) Water Date Analyzed: 09/19/2024

Level: (low/med) LOW Time Analyzed: 12:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163318BS	PB163318BS	BM047568.D	09/19/2024
PB163318BSD	PB163318BSD	BM047569.D	09/19/2024
PT-BN-WP	P3845-03	BM047535.D	09/16/2024

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047519.D DFTPP Injection Date: 09/14/2024

Instrument ID: BNA_M DFTPP Injection Time: 11:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	45.2
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	54.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	22.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	8.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10 (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
SSTDICC2.5	SSTDICC2.5	BM047520.D	09/14/2024	11:57
SSTDICC005	SSTDICC005	BM047521.D	09/14/2024	12:36
SSTDICC010	SSTDICC010	BM047522.D	09/14/2024	13:16
SSTDICC020	SSTDICC020	BM047523.D	09/14/2024	13:55
SSTDICCC040	SSTDICCC040	BM047524.D	09/14/2024	14:35
SSTDICC050	SSTDICC050	BM047525.D	09/14/2024	15:14
SSTDICC060	SSTDICC060	BM047526.D	09/14/2024	15:54
SSTDICC080	SSTDICC080	BM047527.D	09/14/2024	16:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047532.D DFTPP Injection Date: 09/16/2024

Instrument ID: BNA_M DFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	43.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	53.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	23.1
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	8.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.6 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM047533.D	09/16/2024	10:16
PT-BN-WP	P3845-03	BM047535.D	09/16/2024	12:56
PT-BN-WPDL	P3845-03DL	BM047536.D	09/16/2024	16:12

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047565.D DFTPP Injection Date: 09/19/2024

Instrument ID: BNA_M DFTPP Injection Time: 08:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	48.9
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	56.8
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	23
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	8.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.9 (18.8) 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	BM047566.D	09/19/2024	11:49
PB163318BL	PB163318BL	BM047567.D	09/19/2024	12:35
PB163318BS	PB163318BS	BM047568.D	09/19/2024	13:15
PB163318BSD	PB163318BSD	BM047569.D	09/19/2024	13:54

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/16/2024

Lab File ID: BM047533.D Time Analyzed: 10:16

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	392657	7.851	1713350	10.65	1011170	14.48
	UPPER LIMIT	785314	8.351	3426700	11.145	2022340	14.98
	LOWER LIMIT	196329	7.351	856675	10.145	505585	13.98
	EPA SAMPLE NO.						
01	PT-BN-WP	344273	7.85	1460340	10.65	837356	14.48
02	PT-BN-WPDL	377823	7.85	1623270	10.65	949493	14.48

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.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/16/2024

Lab File ID: BM047533.D Time Analyzed: 10:16

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	1938190	17.215	1774640	21.439	1492870	24.468
	UPPER LIMIT	3876380	17.715	3549280	21.939	2985740	24.968
	LOWER LIMIT	969095	16.715	887320	20.939	746435	23.968
	EPA SAMPLE NO.						
01	PT-BN-WP	1576550	17.22	1292100	21.44	1275490	24.47
02	PT-BN-WPDL	1818860	17.22	1347120	21.44	1275890	24.47

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/19/2024

Lab File ID: BM047566.D Time Analyzed: 11:49

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	406101	7.839	1674500	10.64	905170	14.47
	UPPER LIMIT	812202	8.339	3349000	11.139	1810340	14.974
	LOWER LIMIT	203051	7.339	837250	10.139	452585	13.974
	EPA SAMPLE NO.						
01	PB163318BL	353821	7.84	1340230	10.63	659710	14.47
02	PB163318BS	304822	7.84	1201950	10.64	615193	14.47
03	PB163318BSD	312652	7.85	1211920	10.64	613404	14.47

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.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/19/2024

Lab File ID: BM047566.D Time Analyzed: 11:49

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	1699870	17.209	1491890	21.433	1457820	24.462
	UPPER LIMIT	3399740	17.709	2983780	21.933	2915640	24.962
	LOWER LIMIT	849935	16.709	745945	20.933	728910	23.962
	EPA SAMPLE NO.						
01	PB163318BL	1165230	17.21	864552	21.43	939242	24.46
02	PB163318BS	1066010	17.21	844898	21.43	808669	24.46
03	PB163318BSD	1048550	17.21	835988	21.43	806711	24.46

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

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

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

SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WP	SDG No.:	P3845
Lab Sample ID:	P3845-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047535.D	1	09/12/24 08:40	09/16/24 12:56	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	110	E	1.00	10.0	ug/L
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
62-53-3	Aniline	1.60	U	1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	110	E	1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	150	E	0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	1.60	U	1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	66.9		1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	110	E	1.50	2.50	ug/L
67-72-1	Hexachloroethane	120	E	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	150	E	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	67.8		1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	87.4	E	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	350	EQ	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L
208-96-8	Acenaphthylene	170	E	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	87.1	E	1.20	5.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WP	SDG No.:	P3845
Lab Sample ID:	P3845-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047535.D	1	09/12/24 08:40	09/16/24 12:56	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	93.3	E	1.40	5.00	ug/L
83-32-9	Acenaphthene	16.4		0.81	5.00	ug/L
132-64-9	Dibenzofuran	56.5		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	64.8		1.50	5.00	ug/L
84-66-2	Diethylphthalate	92.6	E	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39.8		0.98	5.00	ug/L
86-73-7	Fluorene	180	E	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
86-30-6	n-Nitrosodiphenylamine	130	E	0.89	5.00	ug/L
103-33-3	Azobenzene	1.20	U	1.20	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	170	E	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	130	E	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
92-87-5	Benzidine	4.10	U	4.10	10.0	ug/L
129-00-0	Pyrene	31.5		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	UQ	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	160	E	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	110	EQ	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	170	E	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.8		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	81.4	E	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	83.7	E	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	120	EQ	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	110	EQ	1.20	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WP	SDG No.:	P3845
Lab Sample ID:	P3845-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047535.D	1	09/12/24 08:40	09/16/24 12:56	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	77.8		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	170	E	0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	153		10 - 139	102%	SPK: 150
13127-88-3	Phenol-d6	145		10 - 134	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.7		49 - 133	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.0		52 - 132	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		44 - 137	74%	SPK: 150
1718-51-0	Terphenyl-d14	132	*	48 - 125	132%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	344000	7.851			
1146-65-2	Naphthalene-d8	1460000	10.645			
15067-26-2	Acenaphthene-d10	837000	14.48			
1517-22-2	Phenanthrene-d10	1580000	17.215			
1719-03-5	Chrysene-d12	1290000	21.444			
1520-96-3	Perylene-d12	1280000	24.474			

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\BM091624\
Data File : BM047535.D
Acq On : 16 Sep 2024 12:56
Operator : RC/JU
Sample : P3845-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Quant Time: Sep 16 13:43:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

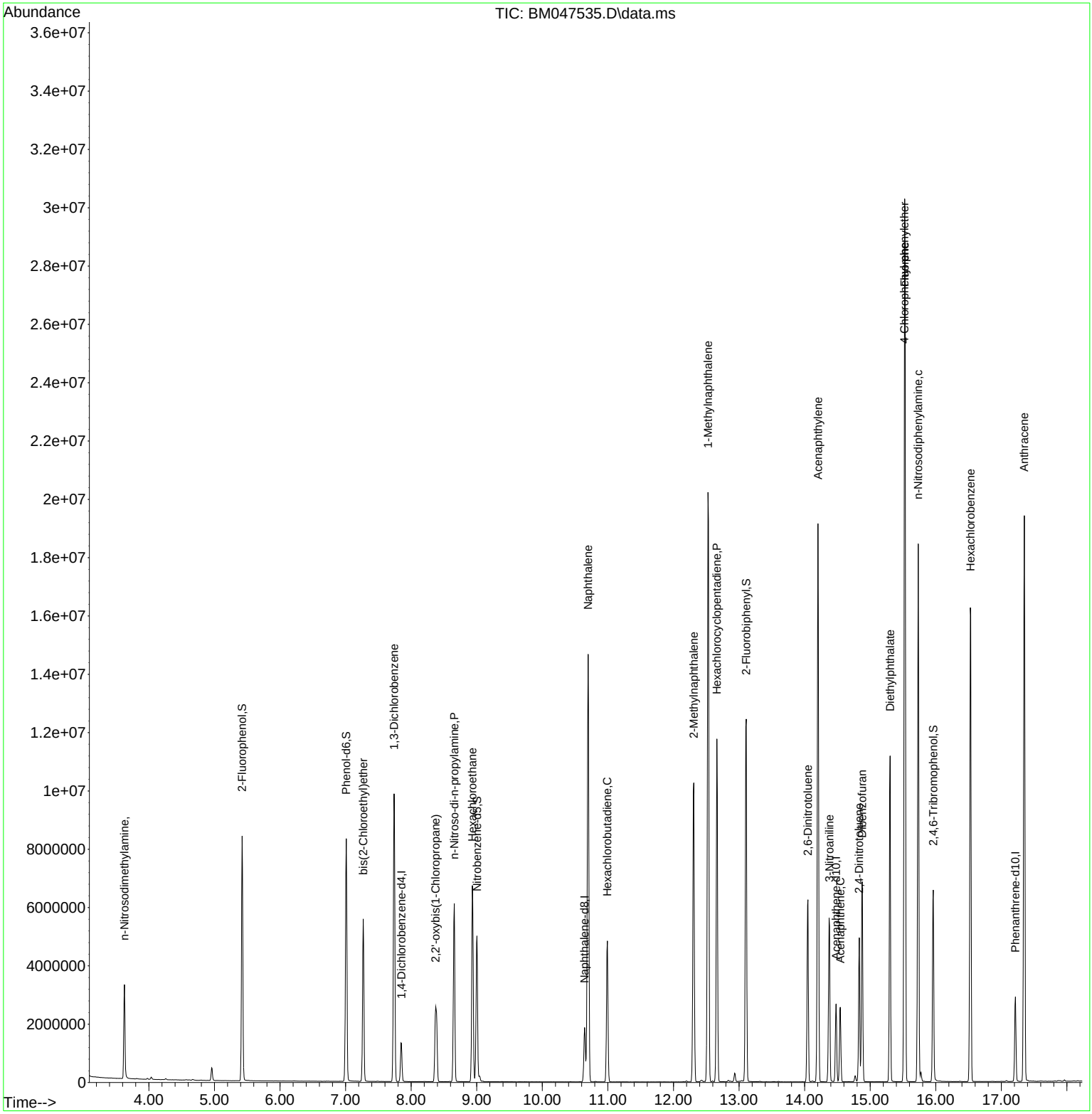
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	344273	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1460341	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	837356	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1576550	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1292096	20.000	ng	0.00
86) Perylene-d12	24.474	264	1275489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3300401	152.639	ng	0.00
7) Phenol-d6	7.010	99	4413394	144.938	ng	0.00
23) Nitrobenzene-d5	9.004	82	2823010	96.745	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	898838	111.053	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	5959022	98.031	ng	0.00
79) Terphenyl-d14	19.833	244	9539238	132.295	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.628	42	1407798	112.554	ng	# 98
11) bis(2-Chloroethyl)ether	7.269	93	2804272	114.564	ng	100
12) 1,3-Dichlorobenzene	7.739	146	3814062	146.188	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	2303999	66.913	ng	99
18) Hexachloroethane	8.934	117	1323486	124.673	ng	98
19) n-Nitroso-di-n-propyla...	8.657	70	2205866	107.443	ng	97
31) Naphthalene	10.698	128	11660125	147.841	ng	99
34) Hexachlorobutadiene	10.992	225	846952	67.838	ng	99
37) 2-Methylnaphthalene	12.310	142	4589437	87.431	ng	99
38) 1-Methylnaphthalene	12.527	142	8956817	171.700	ng	99
41) Hexachlorocyclopentadiene	12.663	237	2600147	351.028	ng	97
49) Acenaphthylene	14.204	152	12314771	168.691	ng	96
51) 2,6-Dinitrotoluene	14.051	165	1049356	87.096	ng	100
52) Acenaphthene	14.545	154	840007	16.422	ng	99
53) 3-Nitroaniline	14.380	138	1249510	93.305	ng	95
55) Dibenzofuran	14.880	168	4062690	56.522	ng	99
57) 2,4-Dinitrotoluene	14.833	165	1040650	64.763	ng	97
58) Fluorene	15.527	166	11818892	182.635	ng	98
60) Diethylphthalate	15.304	149	5625960	92.622	ng	98
61) 4-Chlorophenyl-phenyle...	15.521	204	1178872	39.841	ng	98
66) n-Nitrosodiphenylamine	15.733	169	6279471	130.199	ng	99
68) Hexachlorobenzene	16.533	284	2873965	165.608	ng	95
72) Anthracene	17.351	178	11153136	133.611	ng	98
78) Pyrene	19.621	202	2964541	31.454	ng	100
83) Chrysene	21.492	228	12916478	162.145	ng	92
84) Bis(2-ethylhexyl)phtha...	21.362	149	6268556	110.292	ng	98
85) Di-n-octyl phthalate	22.509	149	14043193	174.678	ng	98
87) Indeno(1,2,3-cd)pyrene	27.921	276	8839664	115.806	ng	98
88) Benzo(b)fluoranthene	23.515	252	3945768	47.812	ng	99
89) Benzo(k)fluoranthene	23.586	252	6654574	81.362	ng	99
90) Benzo(a)pyrene	24.333	252	5660846	83.692	ng	99
91) Dibenzo(a,h)anthracene	27.973	278	6773810	105.477	ng	99
92) Benzo(g,h,i)perylene	28.973	276	4878960	77.773	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047535.D
Acq On : 16 Sep 2024 12:56
Operator : RC/JU
Sample : P3845-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Quant Time: Sep 16 13:43:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



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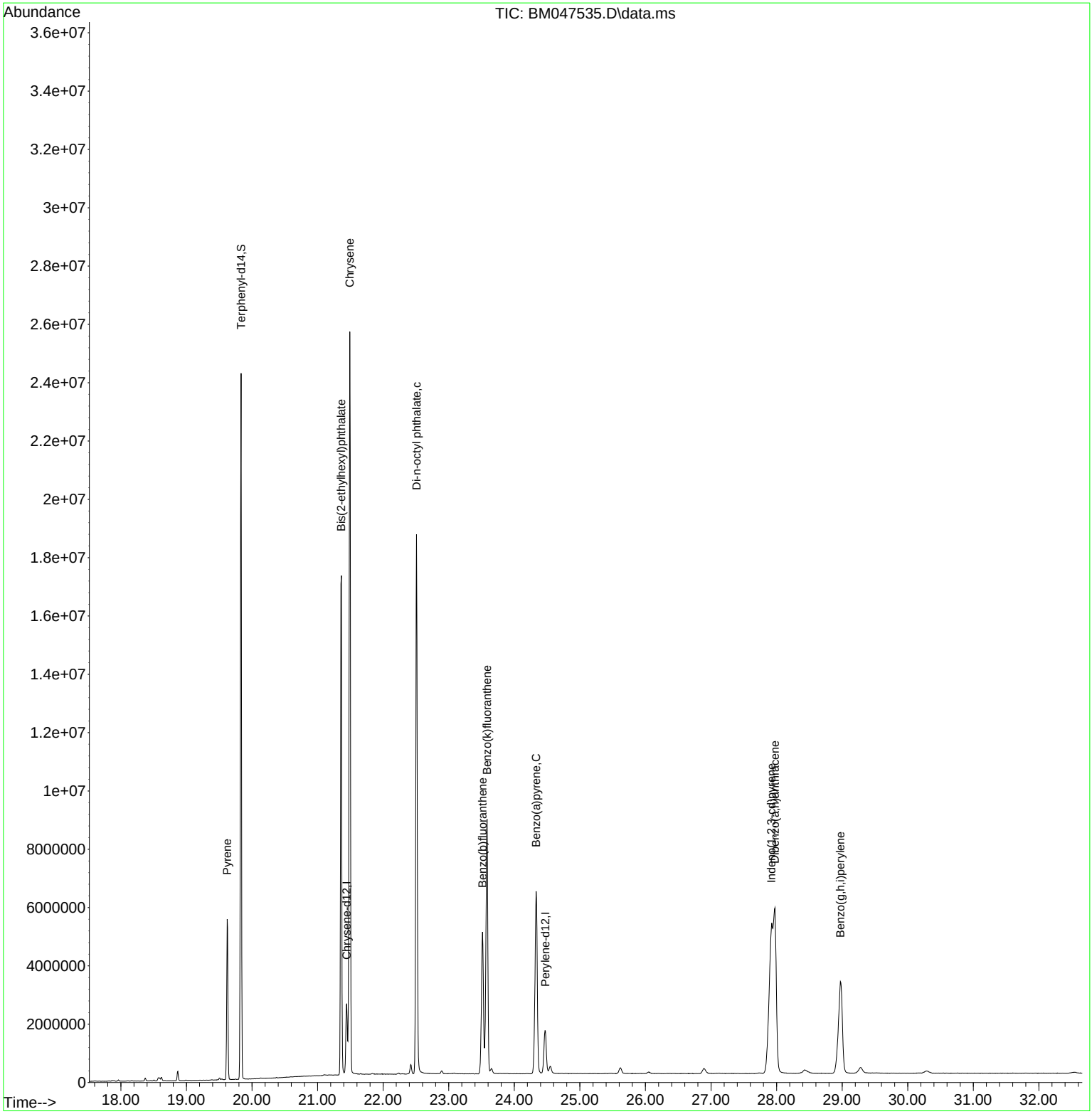
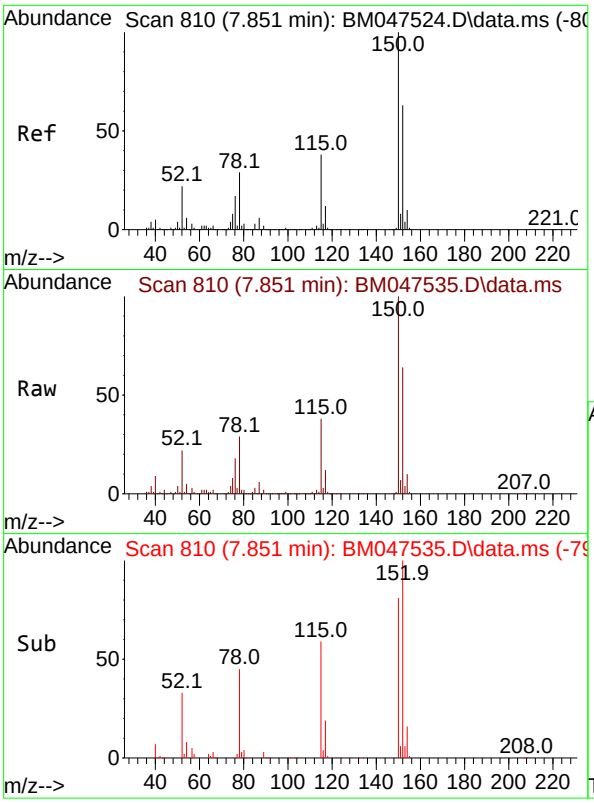
Data File : BM047535.D
Acq On : 16 Sep 2024 12:56
Operator : RC/JU
Sample : P3845-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Quant Time: Sep 16 13:43:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



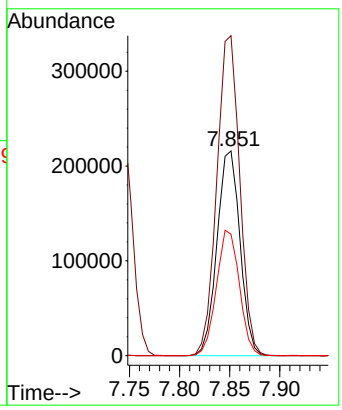


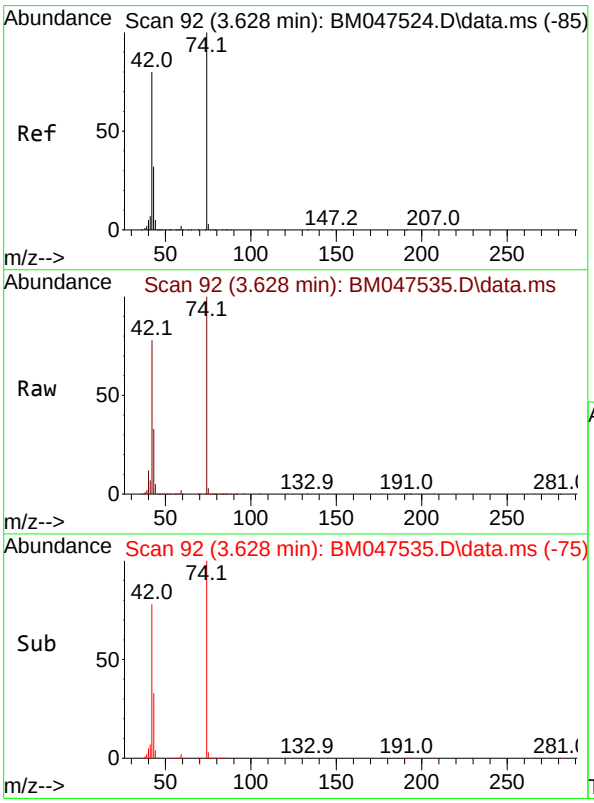
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:152 Resp: 344273

Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.8	190.2
115	59.3	47.8	71.8

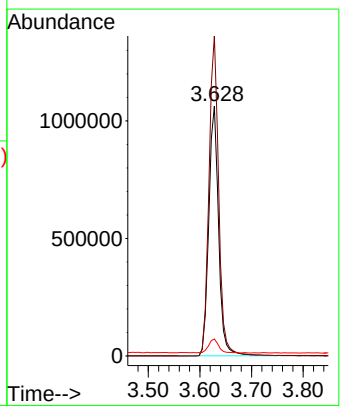


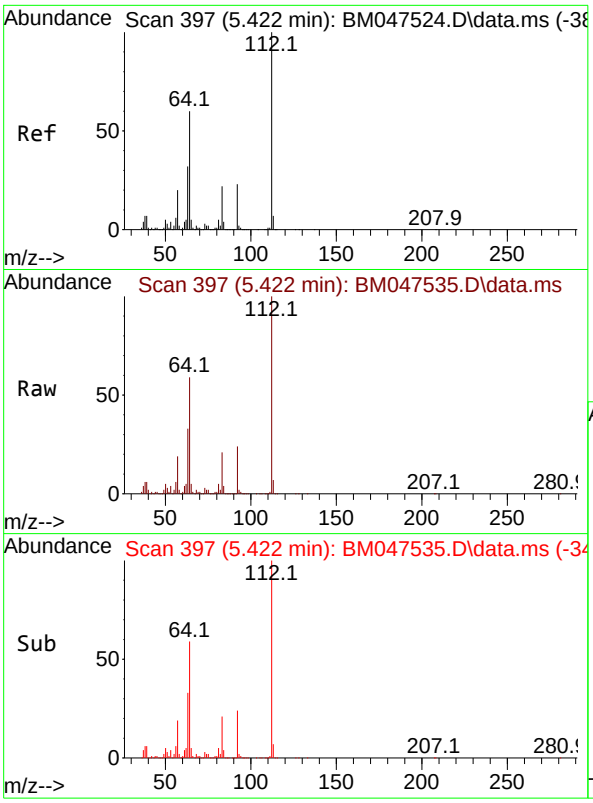


#4
n-Nitrosodimethylamine
Concen: 112.554 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion: 42 Resp: 1407798

Ion	Ratio	Lower	Upper
42	100		
74	128.1	100.5	150.7
44	6.8	6.9	10.3#



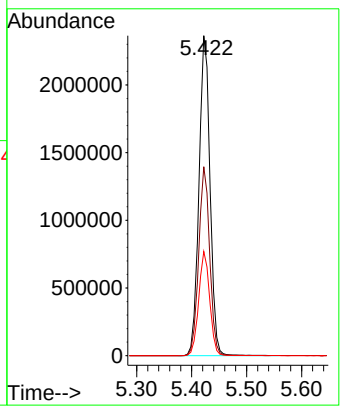


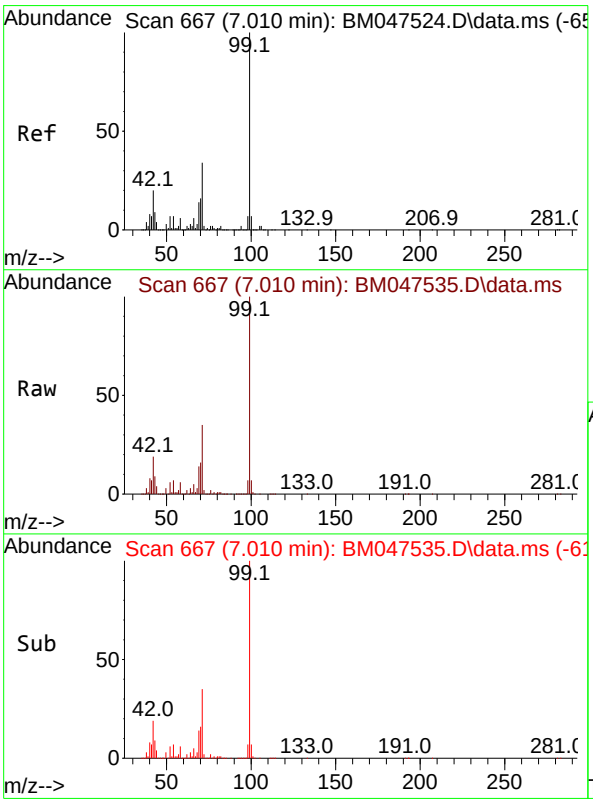
#5
2-Fluorophenol
Concen: 152.639 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:112 Resp: 3300401

Ion	Ratio	Lower	Upper
112	100		
64	59.0	48.2	72.4
63	32.6	26.0	39.0

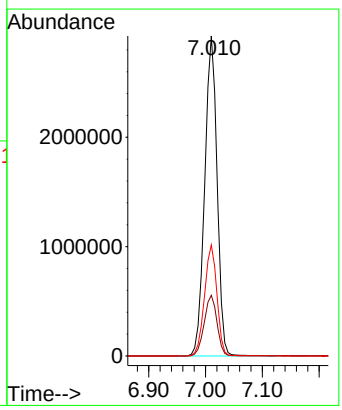


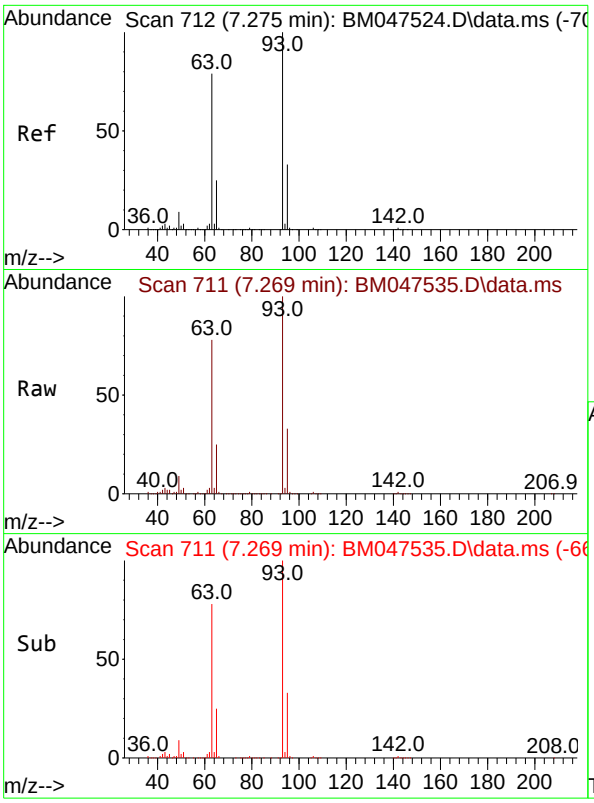


#7
Phenol-d6
Concen: 144.938 ng
RT: 7.010 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion: 99 Resp: 4413394

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.8	23.8
71	34.7	27.6	41.4



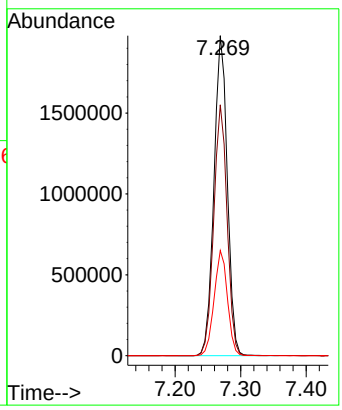


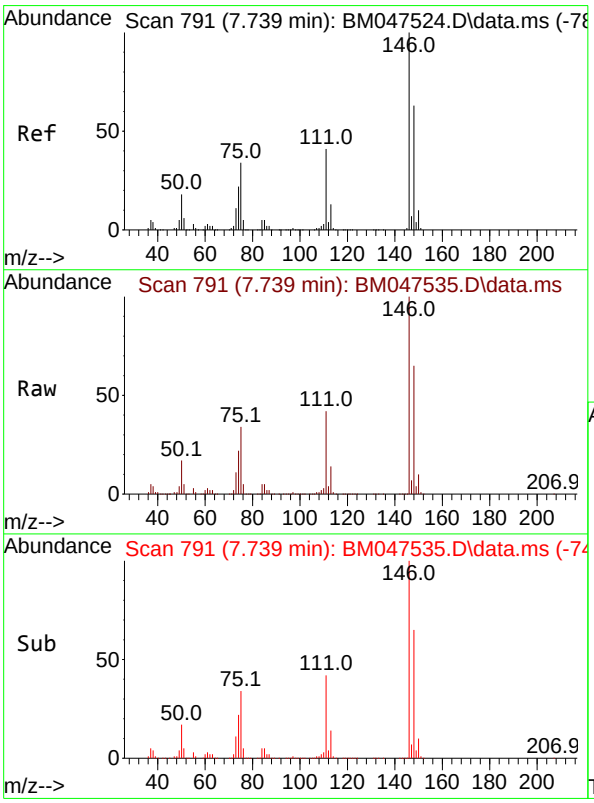
#11
bis(2-Chloroethyl)ether
Concen: 114.564 ng
RT: 7.269 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion: 93 Resp: 2804272

Ion	Ratio	Lower	Upper
93	100		
63	78.4	58.2	98.2
95	32.8	12.8	52.8

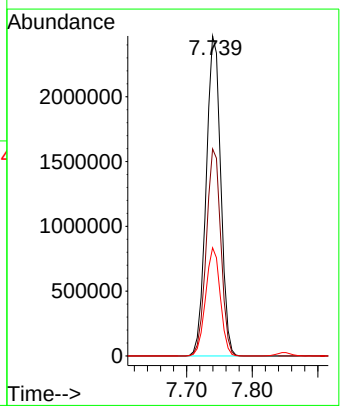


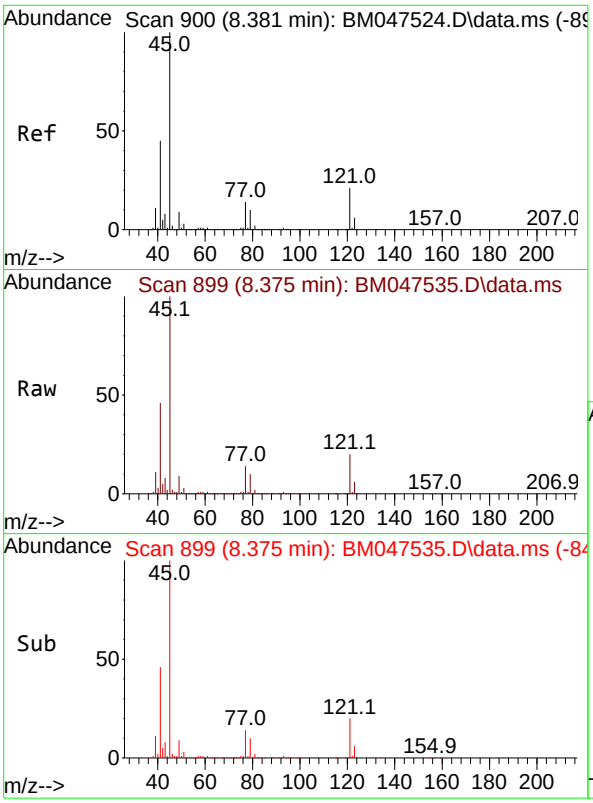


#12
1,3-Dichlorobenzene
Concen: 146.188 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:146 Resp: 3814062

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.2	75.4
75	33.8	27.4	41.0



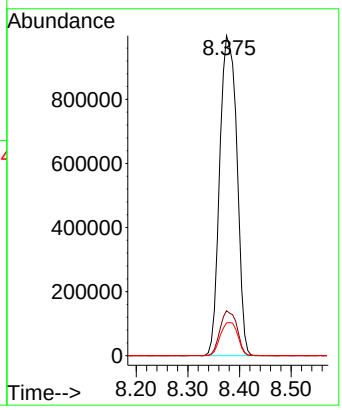


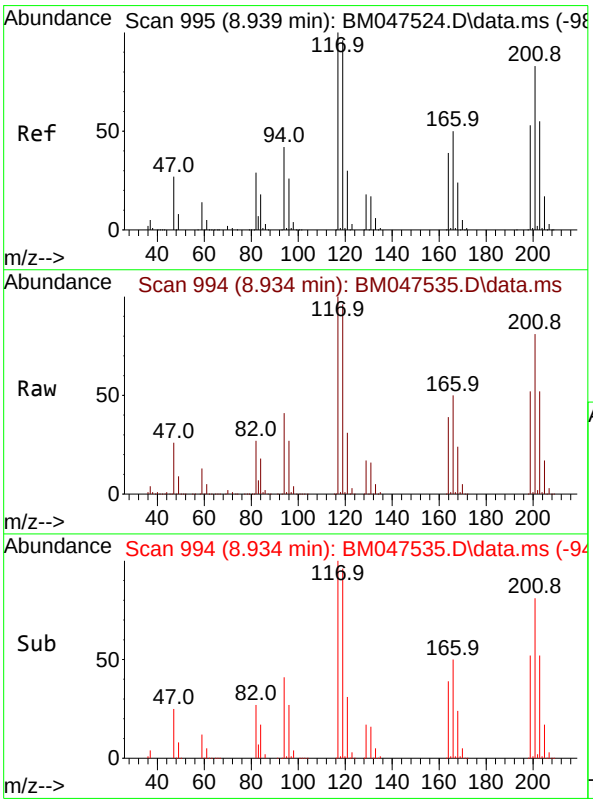
#16
2,2'-oxybis(1-Chloropropane)
Concen: 66.913 ng
RT: 8.375 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion: 45 Resp: 2303999

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	33.7
79	10.3	0.0	30.3

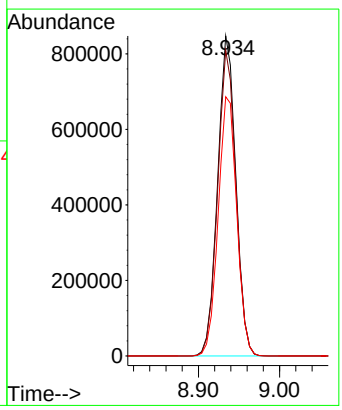


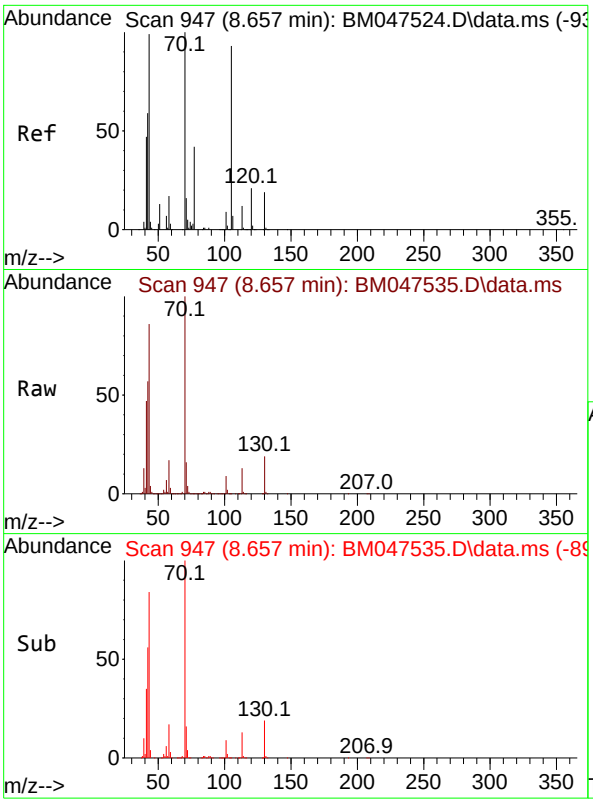


#18
Hexachloroethane
Concen: 124.673 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:117 Resp: 1323486

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.4
201	81.0	66.8	100.2



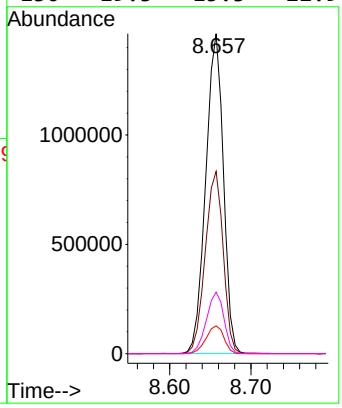


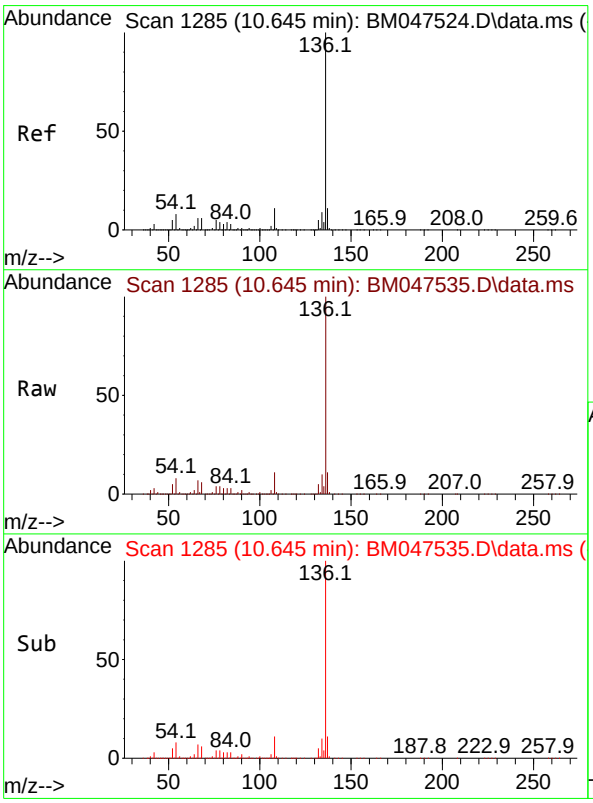
#19
n-Nitroso-di-n-propylamine
Concen: 107.443 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion: 70 Resp: 2205866

Ion	Ratio	Lower	Upper
70	100		
42	57.0	48.2	72.2
101	8.7	7.0	10.4
130	19.3	15.3	22.9

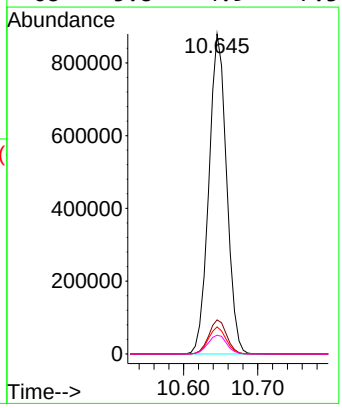


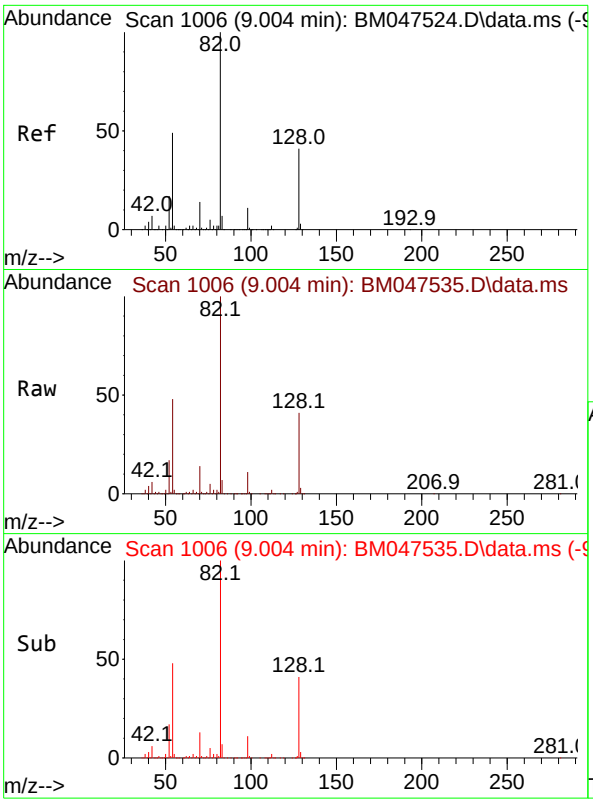


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:136 Resp: 1460341

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	8.5	6.6	9.8
68	5.8	4.9	7.3



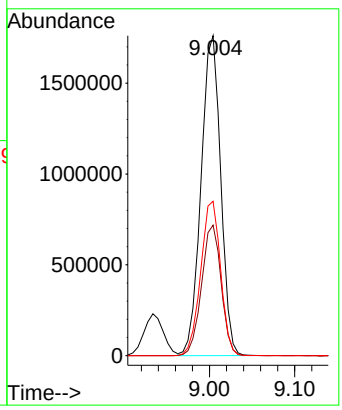


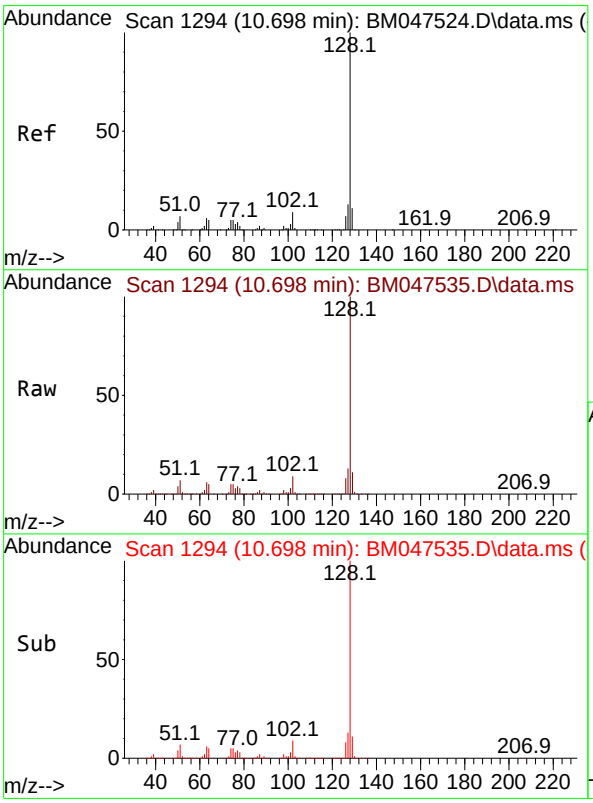
#23
Nitrobenzene-d5
Concen: 96.745 ng
RT: 9.004 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion: 82 Resp: 2823010

Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.0	49.4
54	48.3	39.3	58.9

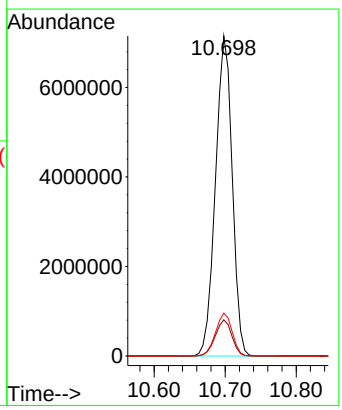


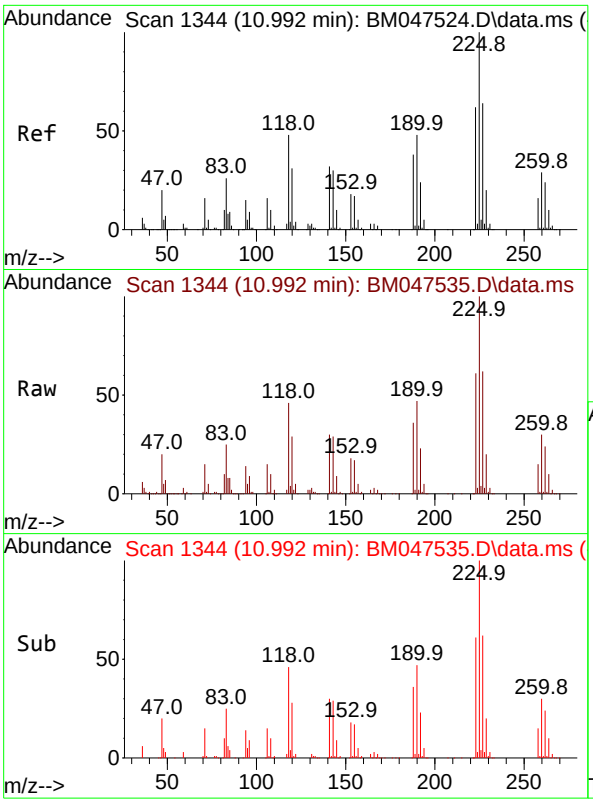


#31
Naphthalene
Concen: 147.841 ng
RT: 10.698 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:128 Resp:11660125

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.4	10.5	15.7



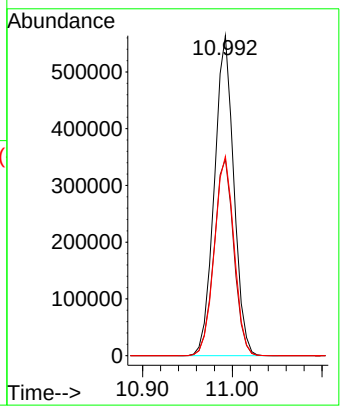


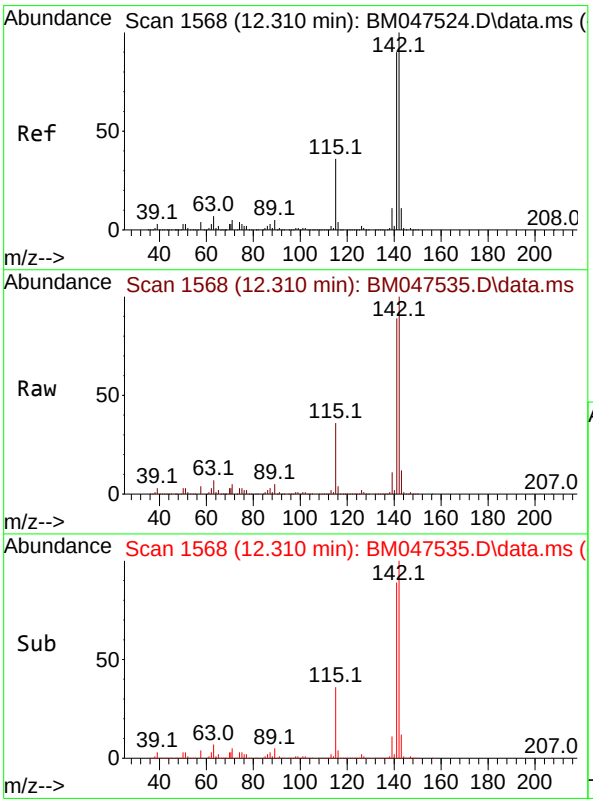
#34
Hexachlorobutadiene
Concen: 67.838 ng
RT: 10.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:225 Resp: 846952

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.8	74.6
227	62.3	51.0	76.4

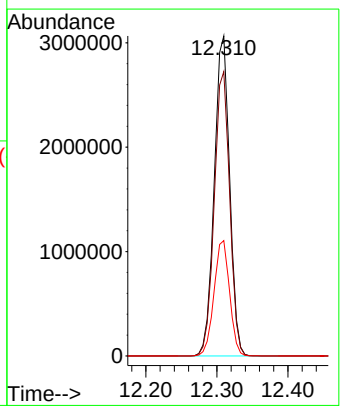


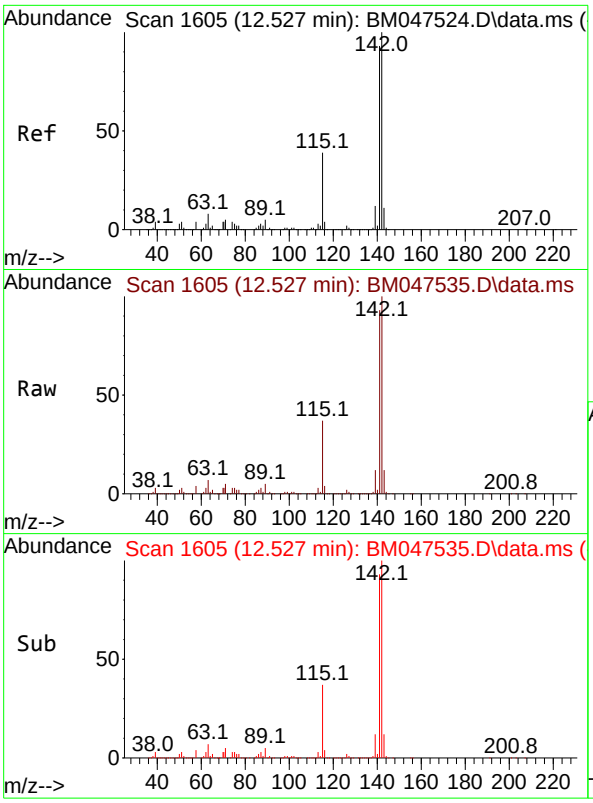


#37
2-Methylnaphthalene
Concen: 87.431 ng
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:142 Resp: 4589437

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.2	108.4
115	36.1	29.1	43.7



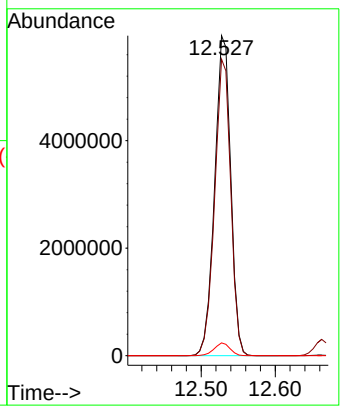


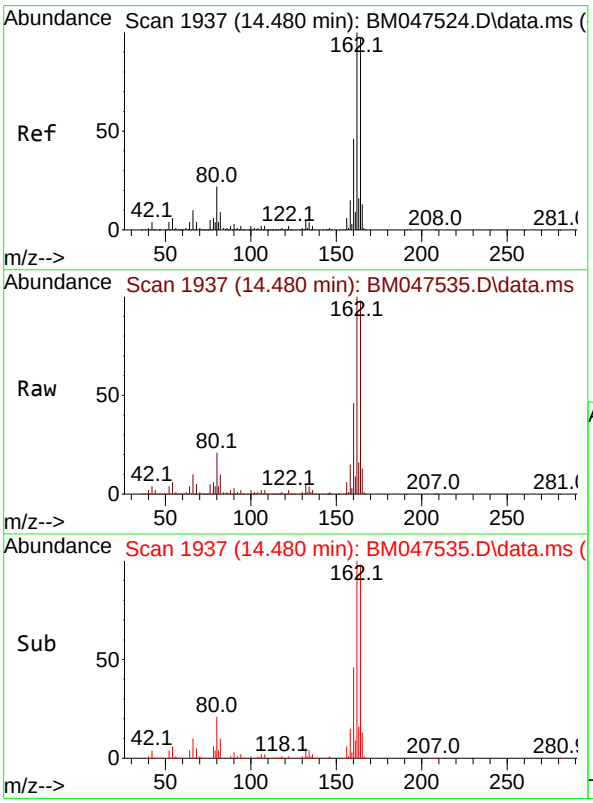
#38
1-Methylnaphthalene
Concen: 171.700 ng
RT: 12.527 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:142 Resp: 8956817

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.0	3.2	4.8

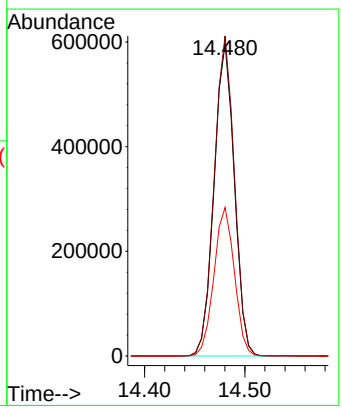


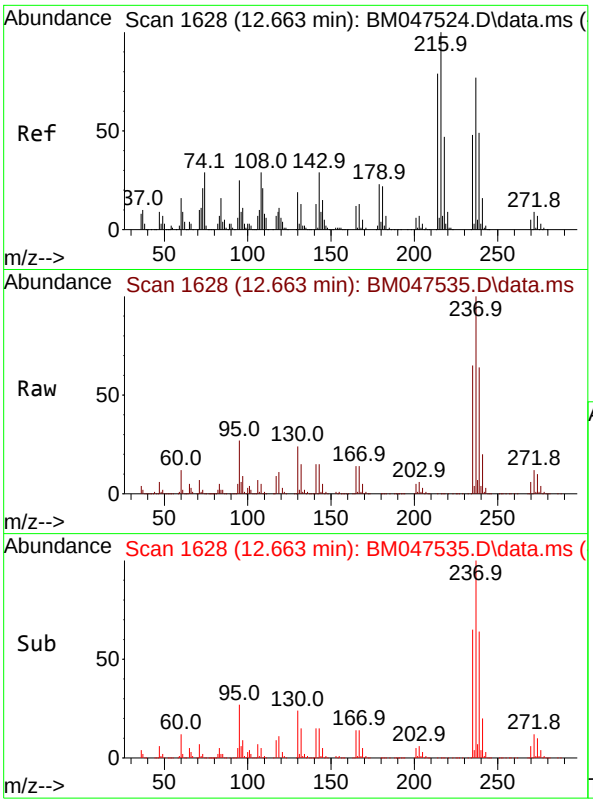


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:164 Resp: 837356

Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.2	123.2
160	47.5	38.2	57.2



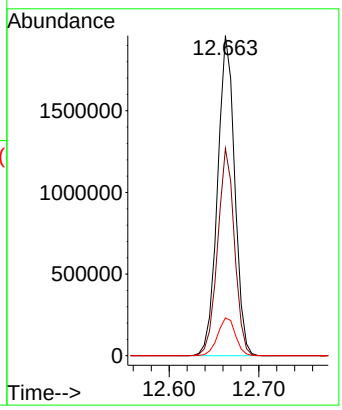


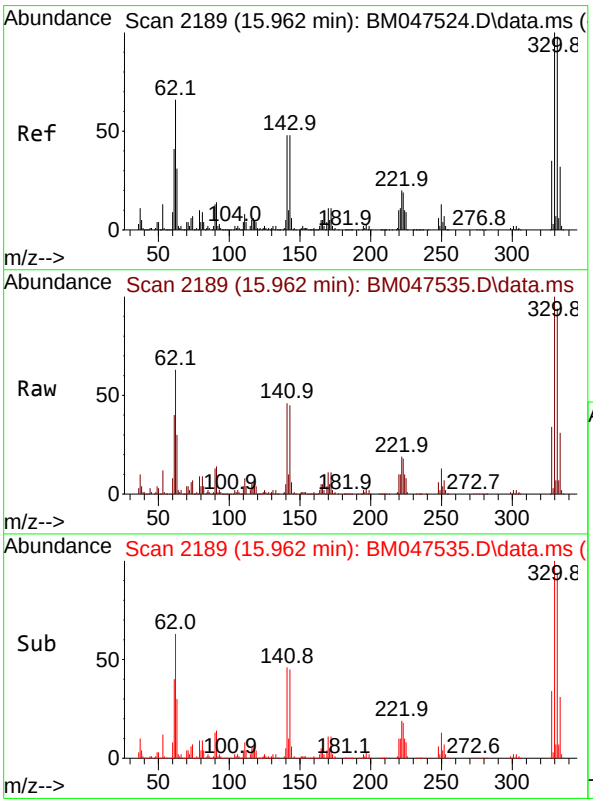
#41
Hexachlorocyclopentadiene
Concen: 351.028 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:237 Resp: 2600147

Ion	Ratio	Lower	Upper
237	100		
235	64.7	42.0	82.0
272	11.8	0.0	31.5

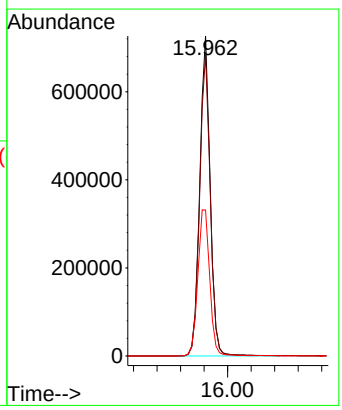


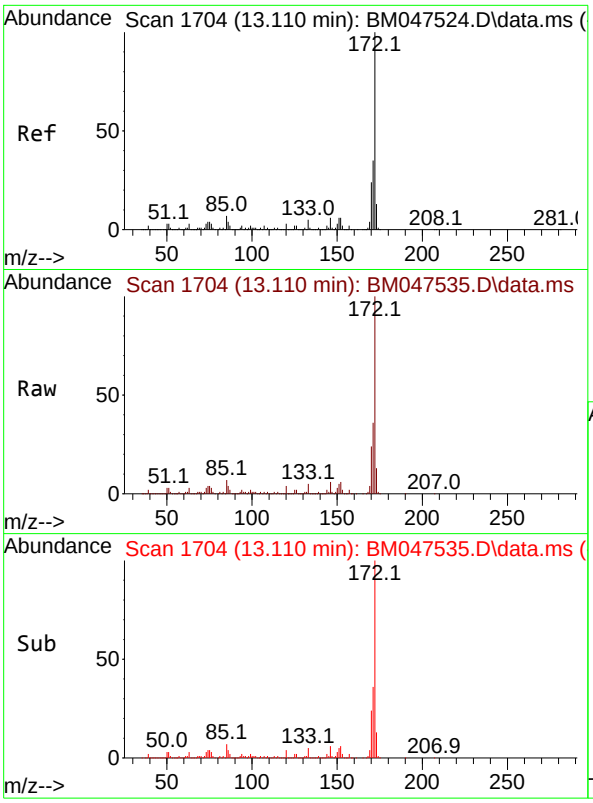


#42
2,4,6-Tribromophenol
Concen: 111.053 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:330 Resp: 898838

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	51.8	42.2	63.2



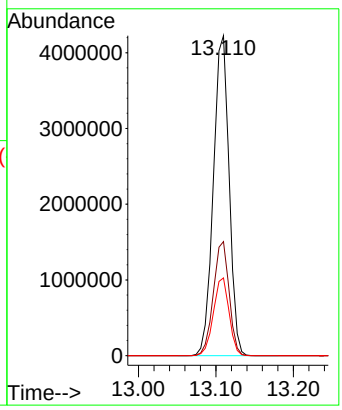


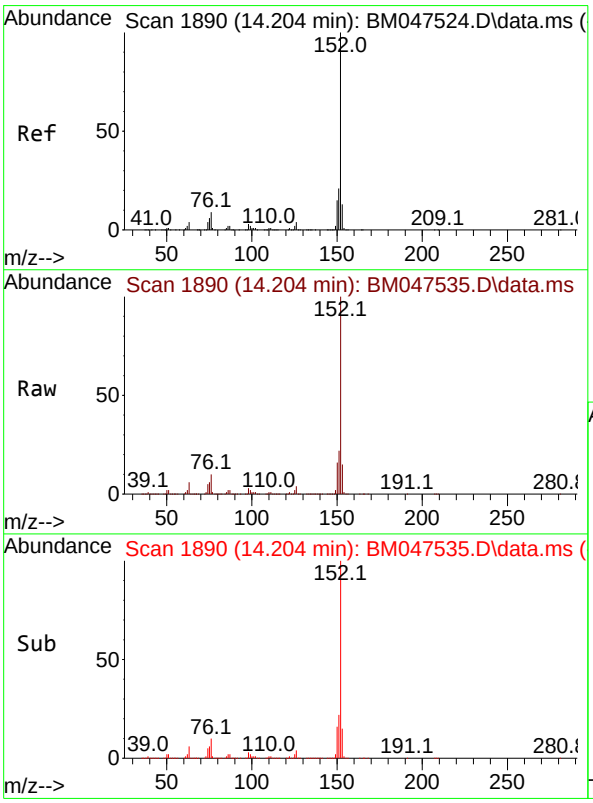
#45
2-Fluorobiphenyl
Concen: 98.031 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:172 Resp: 5959022

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	24.3	19.4	29.0

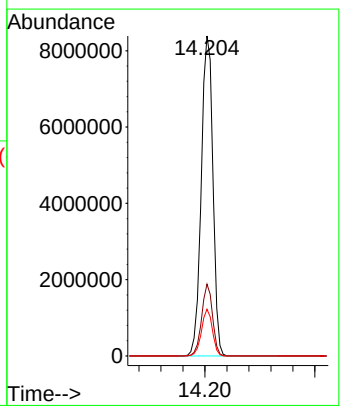


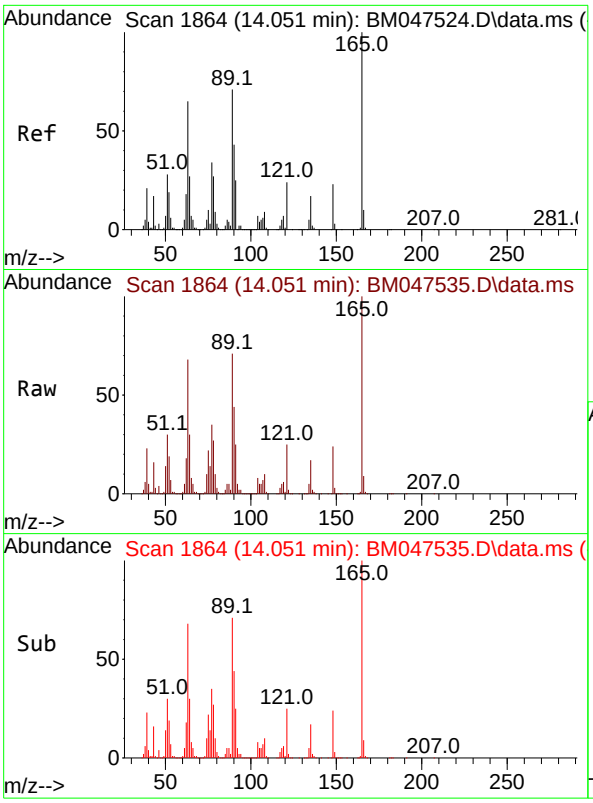


#49
Acenaphthylene
Concen: 168.691 ng
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:152 Resp:12314771

Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.5	24.7
153	14.6	10.4	15.6



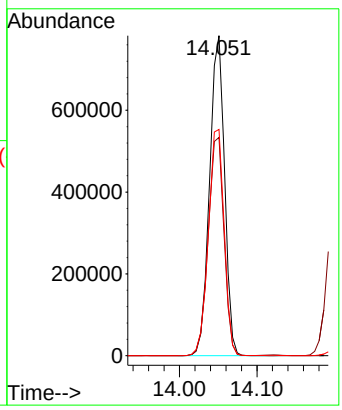


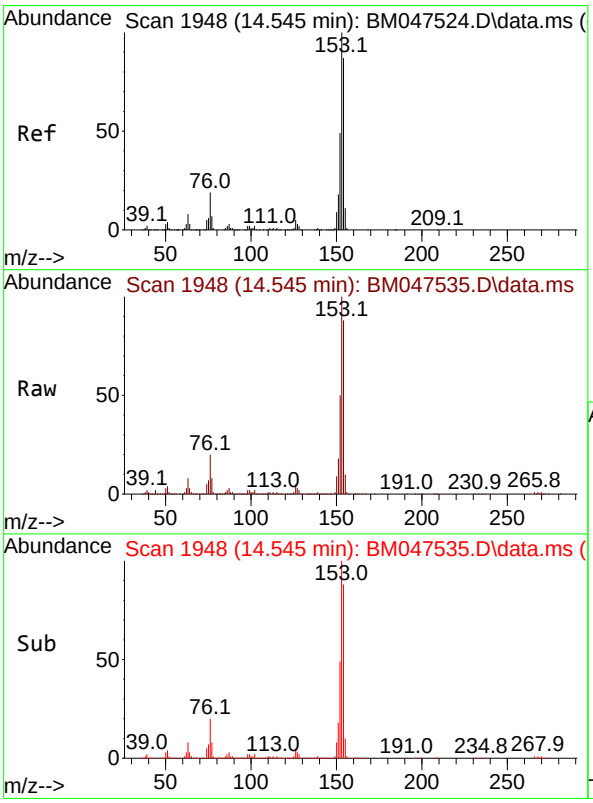
#51
2,6-Dinitrotoluene
Concen: 87.096 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:165 Resp: 1049356

Ion	Ratio	Lower	Upper
165	100		
63	68.2	54.2	81.2
89	70.7	56.4	84.6

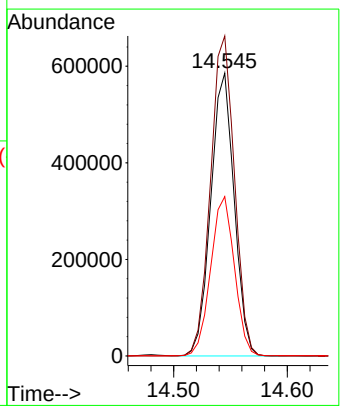


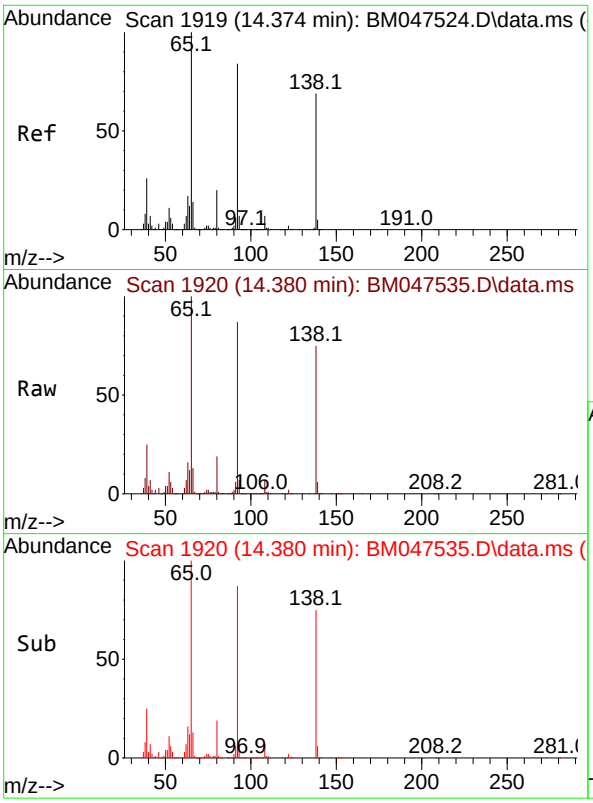


#52
Acenaphthene
Concen: 16.422 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:154 Resp: 840007

Ion	Ratio	Lower	Upper
154	100		
153	113.1	92.2	138.2
152	56.4	45.4	68.0



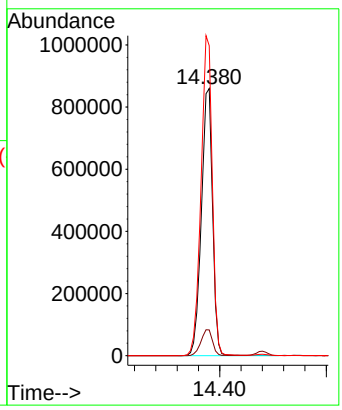


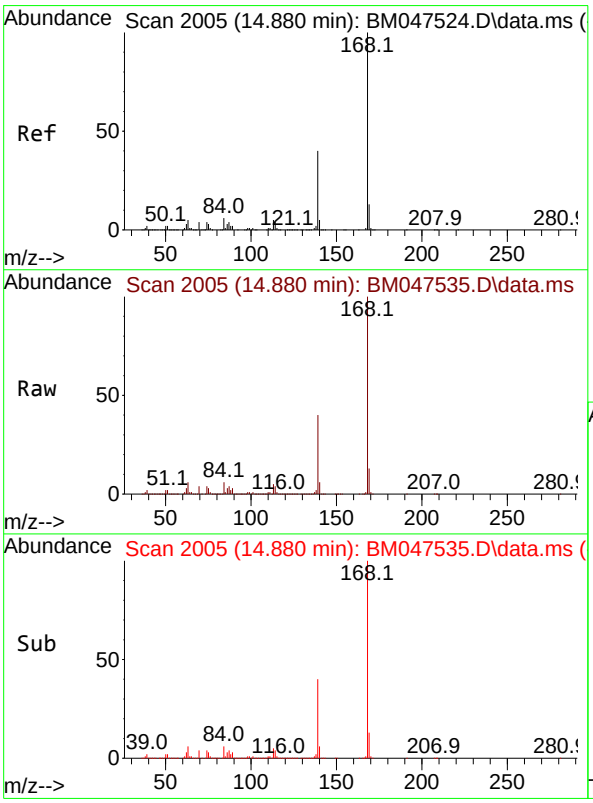
#53
3-Nitroaniline
Concen: 93.305 ng
RT: 14.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:138 Resp: 1249510

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.0	12.0
92	116.0	97.4	146.0

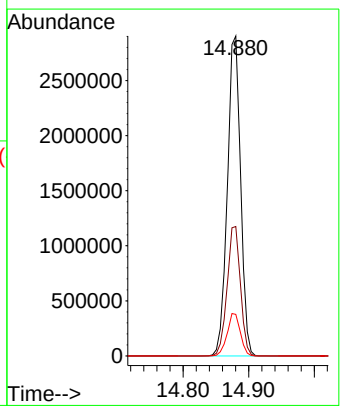


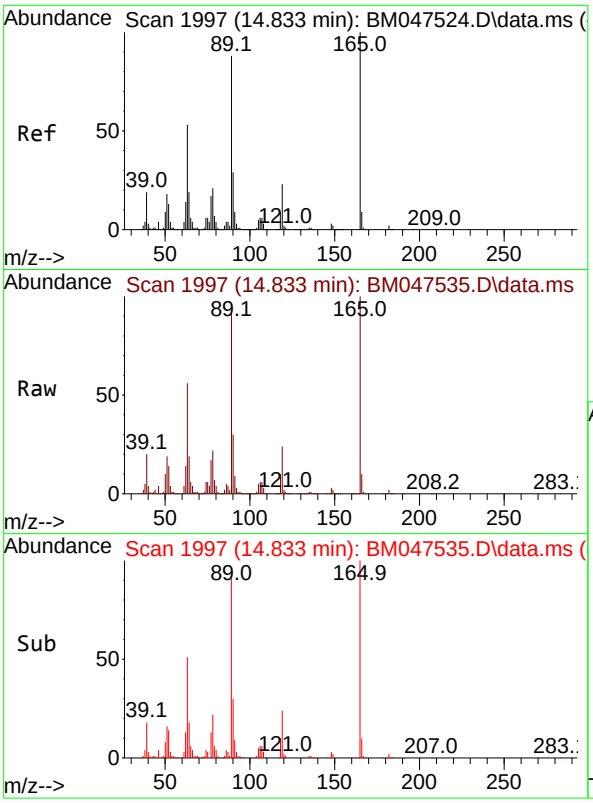


#55
Dibenzofuran
Concen: 56.522 ng
RT: 14.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:168 Resp: 4062690

Ion	Ratio	Lower	Upper
168	100		
139	40.4	31.9	47.9
169	13.0	10.5	15.7



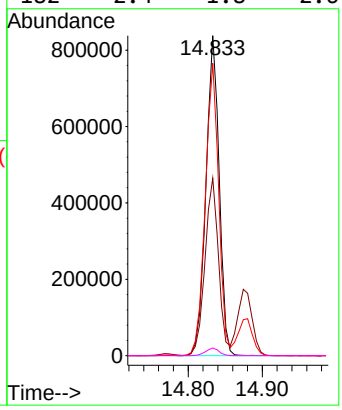


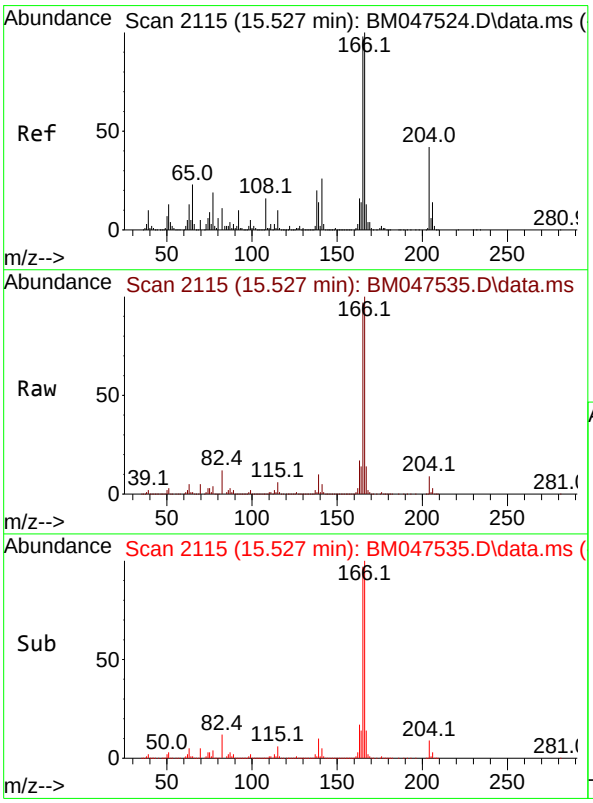
#57
2,4-Dinitrotoluene
Concen: 64.763 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:165 Resp: 1040650

Ion	Ratio	Lower	Upper
165	100		
63	55.5	42.4	63.6
89	91.4	70.5	105.7
182	2.4	1.8	2.6

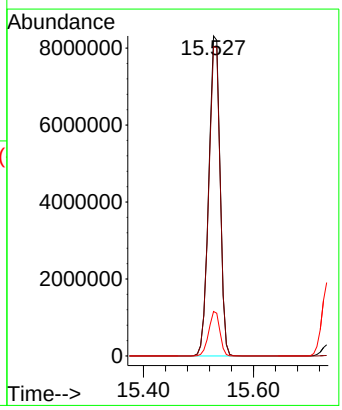


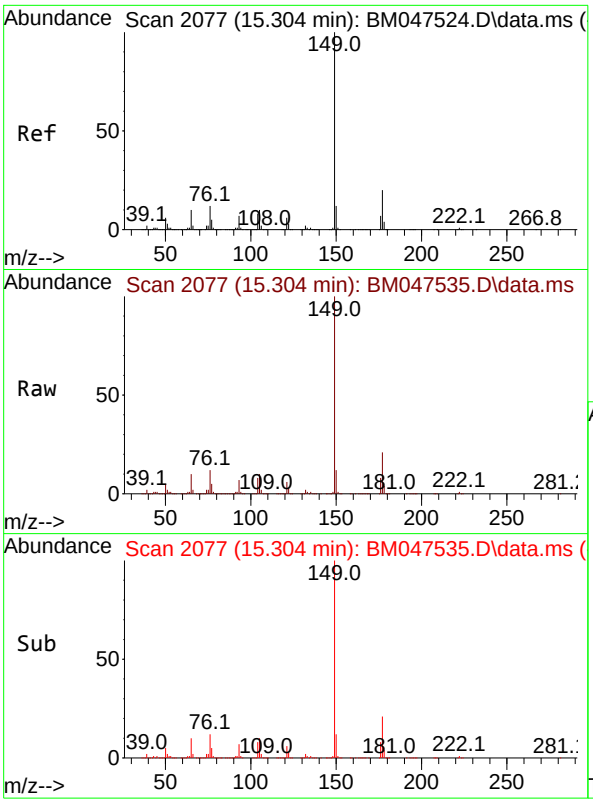


#58
Fluorene
Concen: 182.635 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:166 Resp:11818892

Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.6	117.8
167	13.9	10.7	16.1



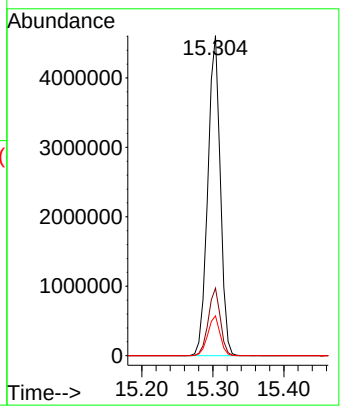


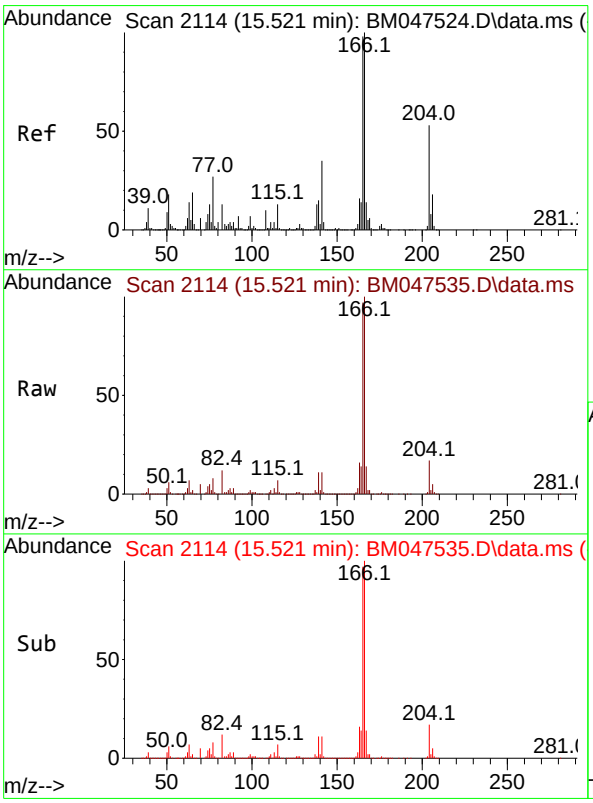
#60
Diethylphthalate
Concen: 92.622 ng
RT: 15.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:149 Resp: 5625960

Ion	Ratio	Lower	Upper
149	100		
177	21.1	15.8	23.8
150	12.5	9.7	14.5

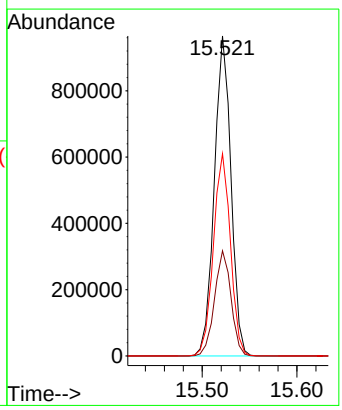


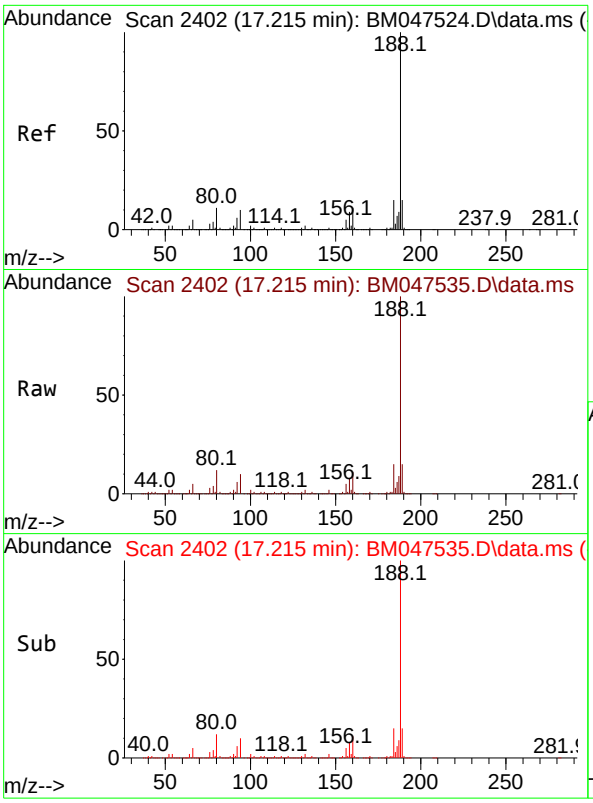


#61
4-Chlorophenyl-phenylether
Concen: 39.841 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:204 Resp: 1178872

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.5	39.7
141	63.2	52.1	78.1



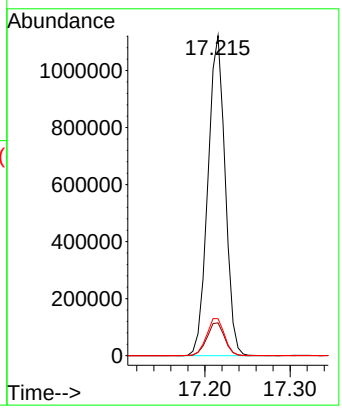


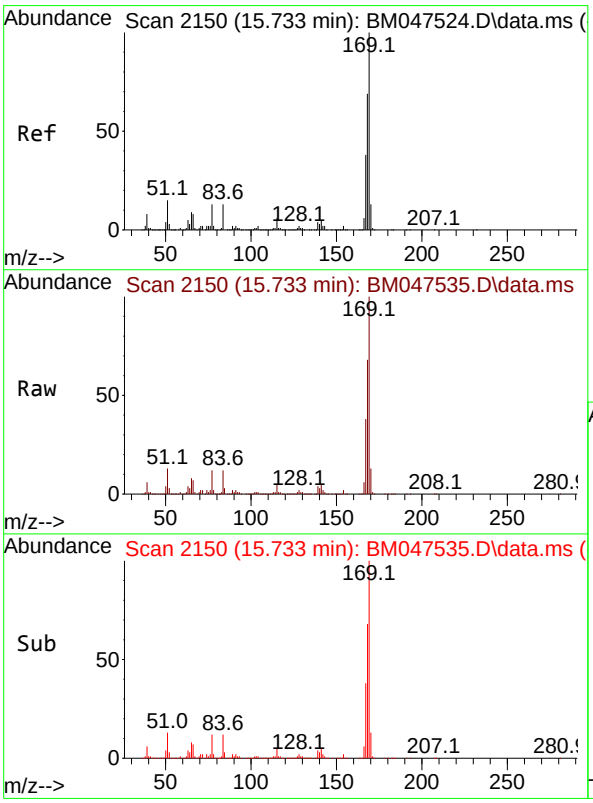
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:188 Resp: 1576550

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.4	12.6
80	11.5	9.1	13.7

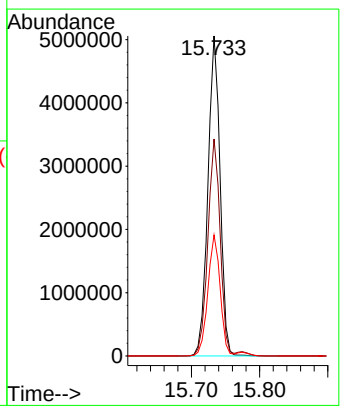


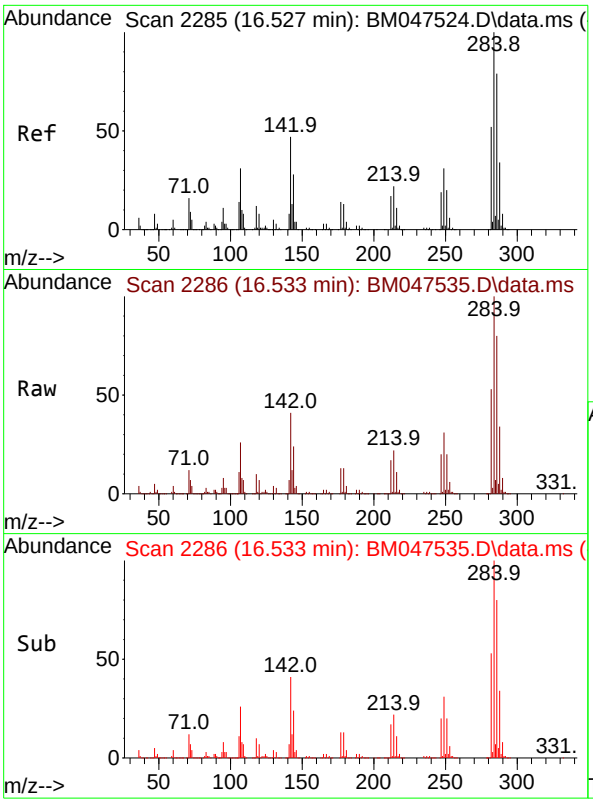


#66
n-Nitrosodiphenylamine
Concen: 130.199 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:169 Resp: 6279471

Ion	Ratio	Lower	Upper
169	100		
168	67.8	55.3	82.9
167	37.8	30.5	45.7



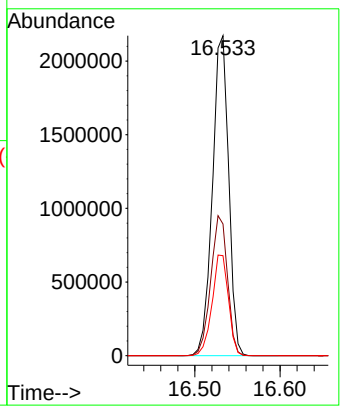


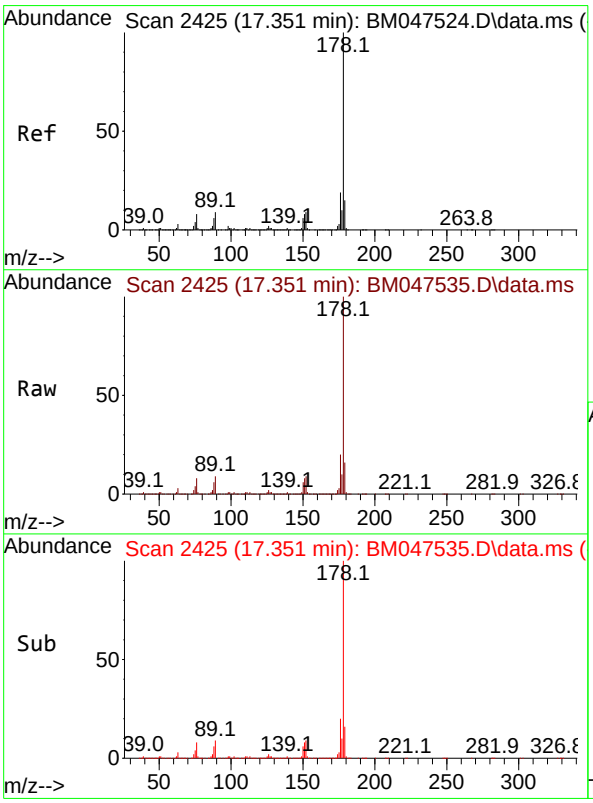
#68
Hexachlorobenzene
Concen: 165.608 ng
RT: 16.533 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:284 Resp: 2873965

Ion	Ratio	Lower	Upper
284	100		
142	41.1	37.3	55.9
249	31.3	24.5	36.7

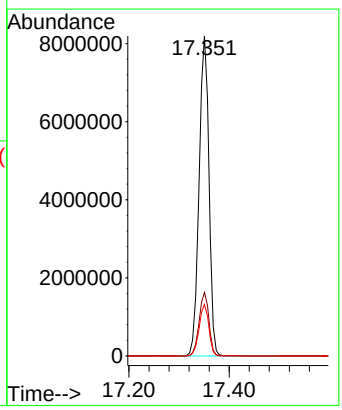


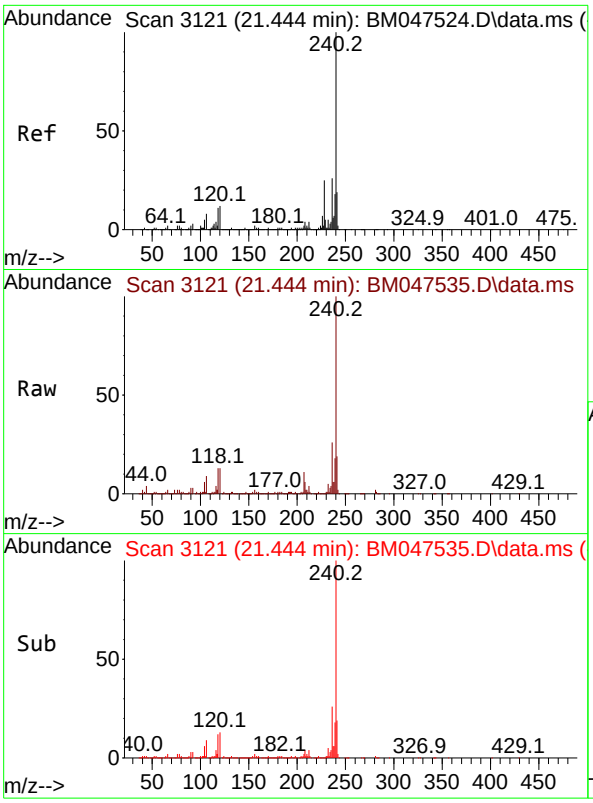


#72
Anthracene
Concen: 133.611 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:178 Resp:11153136

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	16.1	12.3	18.5



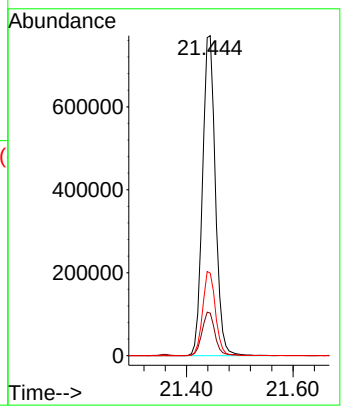


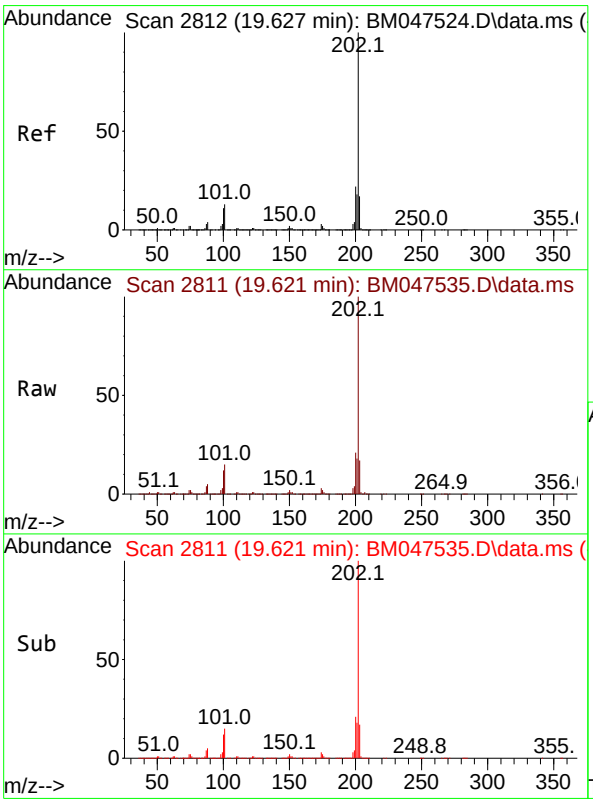
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:240 Resp: 1292096

Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.6	14.4
236	25.8	20.9	31.3

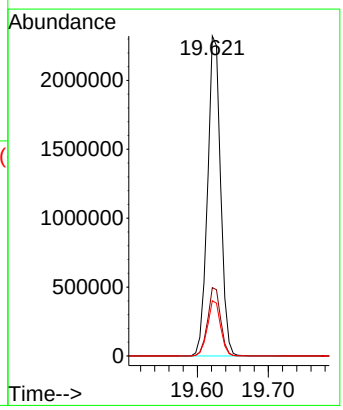


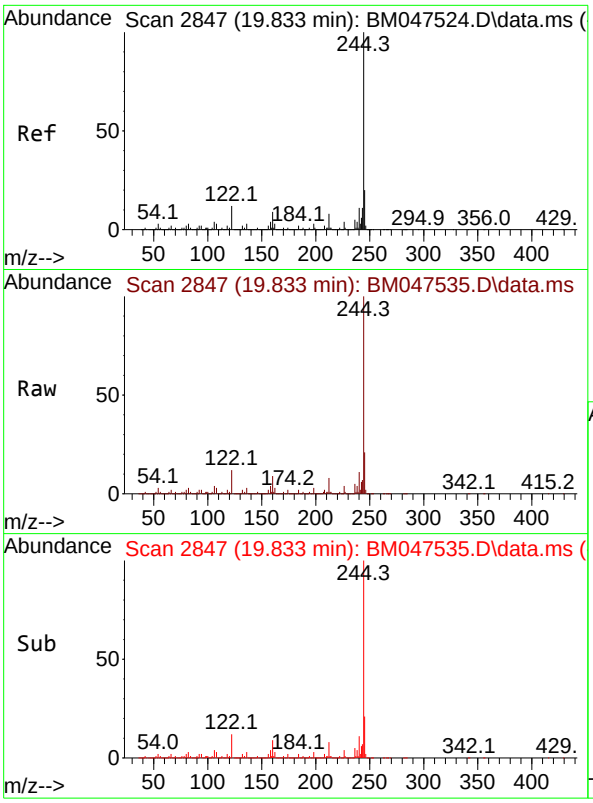


#78
Pyrene
Concen: 31.454 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:202 Resp: 2964541

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.3	14.0	21.0



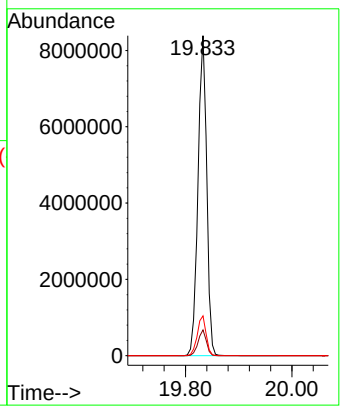


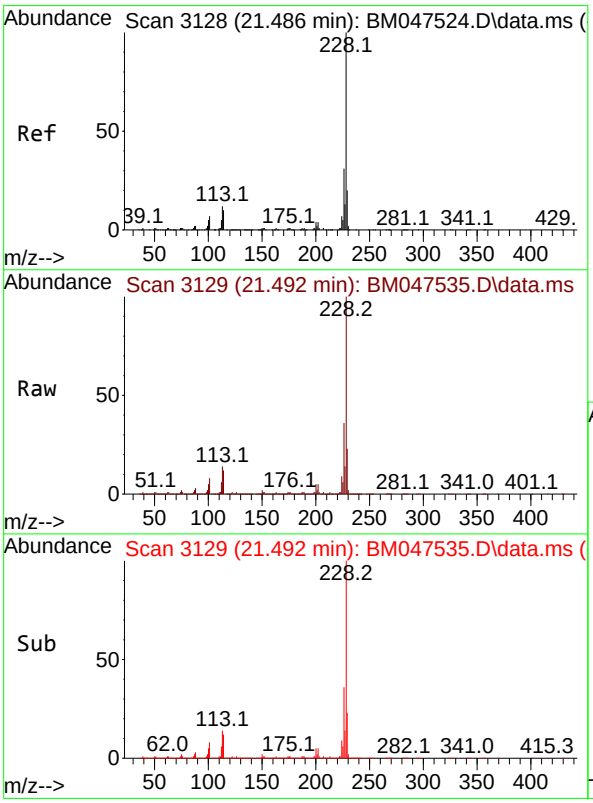
#79
Terphenyl-d14
Concen: 132.295 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:244 Resp: 9539238

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	12.5	9.6	14.4

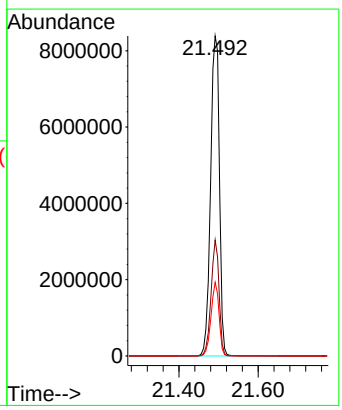


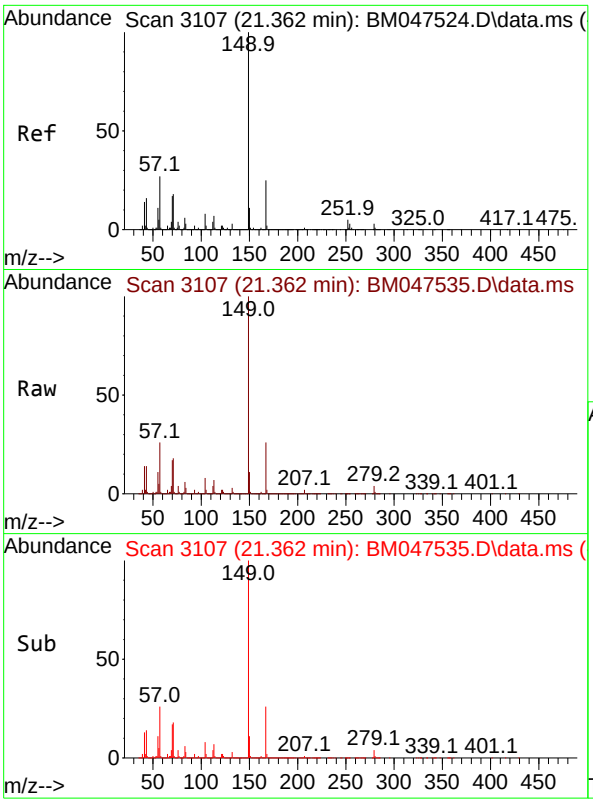


#83
Chrysene
Concen: 162.145 ng
RT: 21.492 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:228 Resp:12916478

Ion	Ratio	Lower	Upper
228	100		
226	36.3	25.0	37.6
229	23.0	15.9	23.9



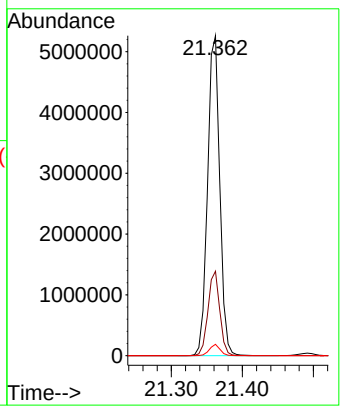


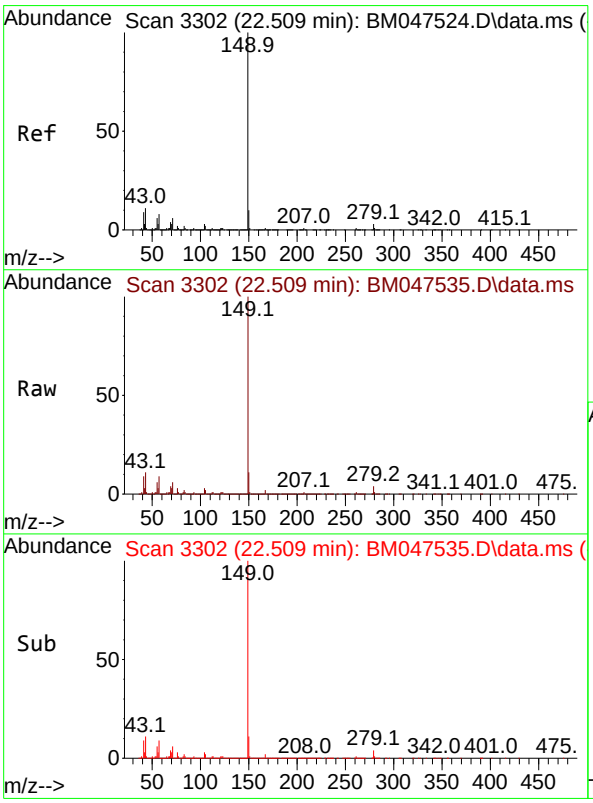
#84
Bis(2-ethylhexyl)phthalate
Concen: 110.292 ng
RT: 21.362 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:149 Resp: 6268556

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.2	30.4
279	3.5	2.6	4.0

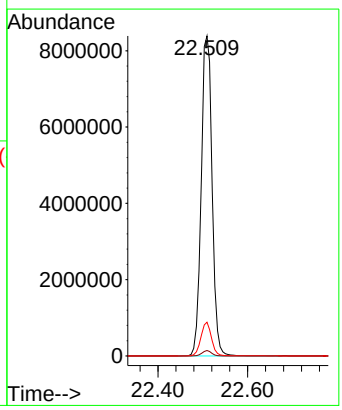


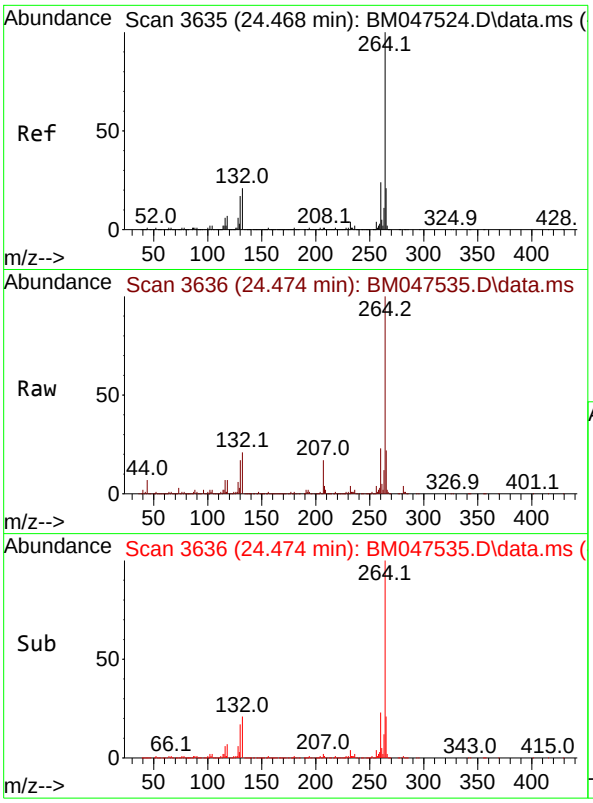


#85
Di-n-octyl phthalate
Concen: 174.678 ng
RT: 22.509 min Scan# 3302
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:149 Resp:14043193

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.4	8.9	13.3



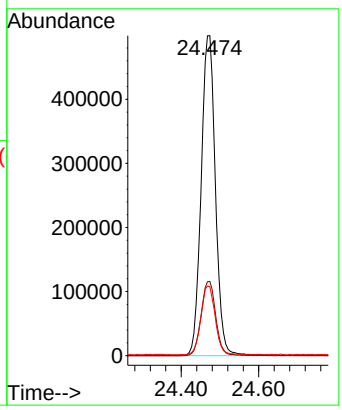


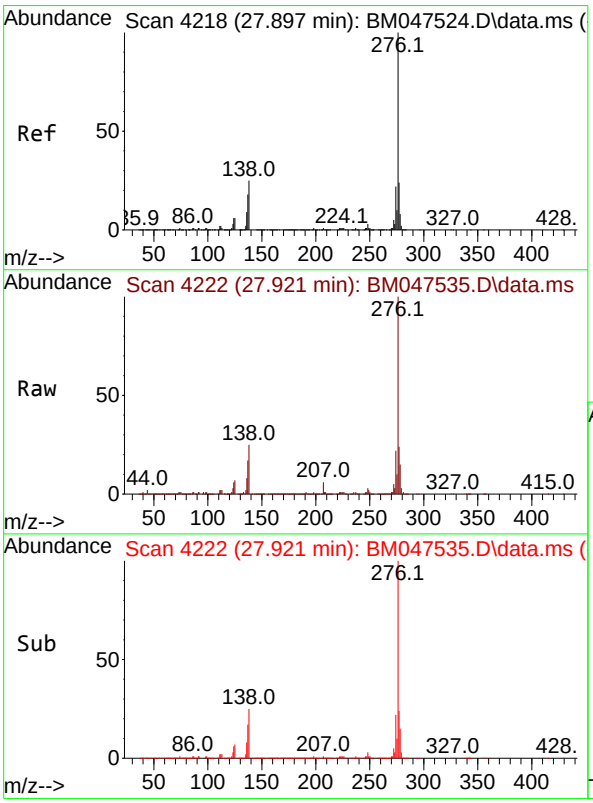
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:264 Resp: 1275489

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.9	28.3
265	21.5	17.4	26.2

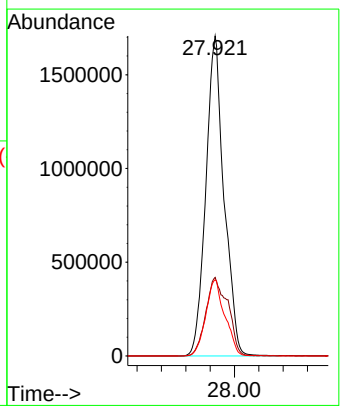


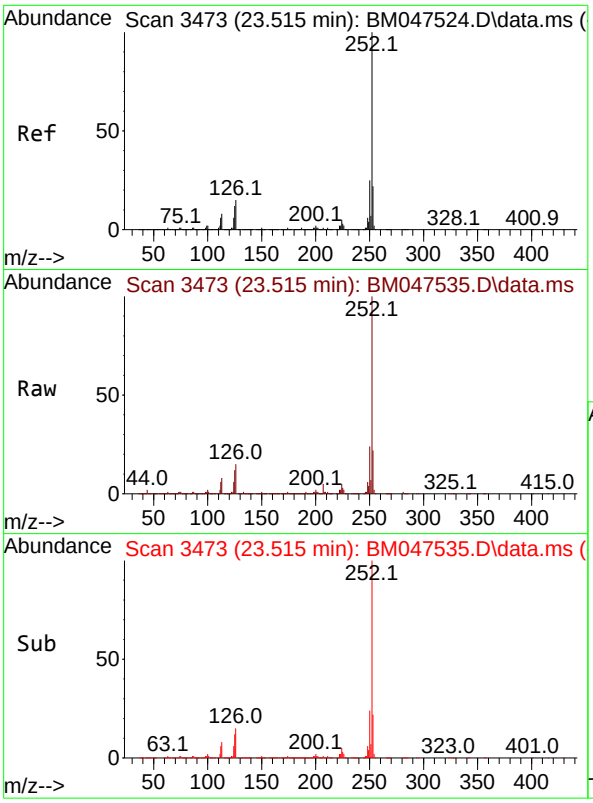


#87
Indeno(1,2,3-cd)pyrene
Concen: 115.806 ng
RT: 27.921 min Scan# 4222
Delta R.T. 0.024 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:276 Resp: 8839664

Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	25.1	20.1	30.1



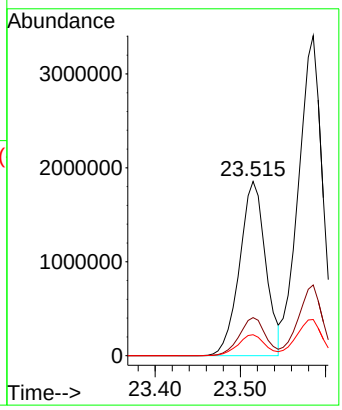


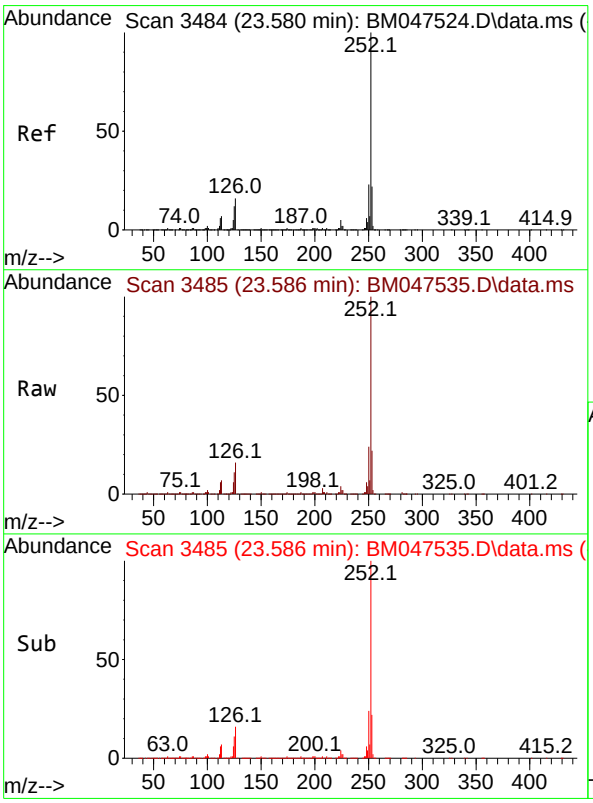
#88
Benzo(b)fluoranthene
Concen: 47.812 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:252 Resp: 3945768

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	12.1	9.5	14.3

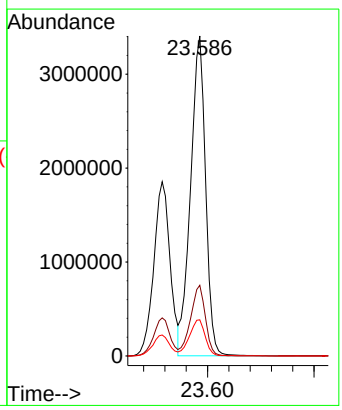


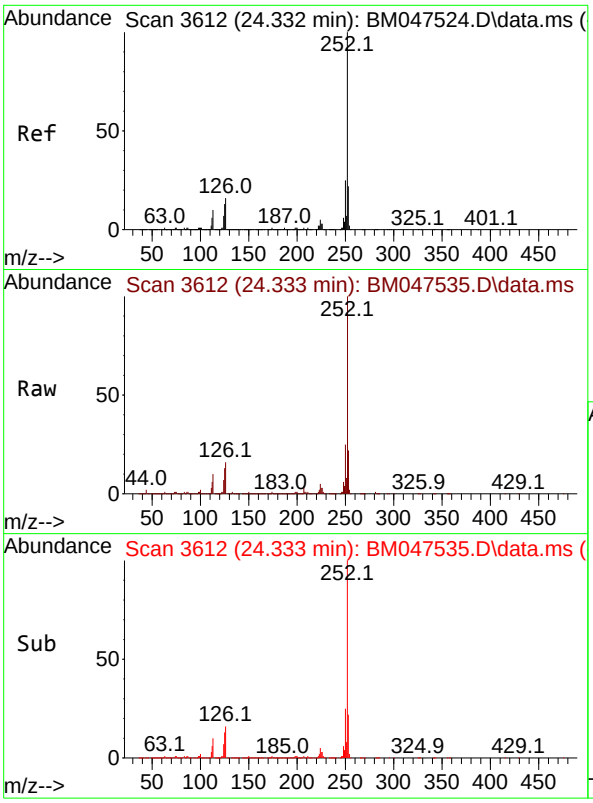


#89
Benzo(k)fluoranthene
Concen: 81.362 ng
RT: 23.586 min Scan# 3485
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:252 Resp: 6654574

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.3	9.5	14.3



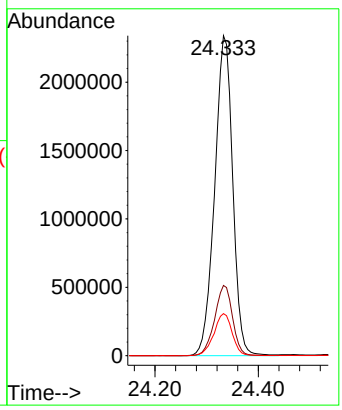


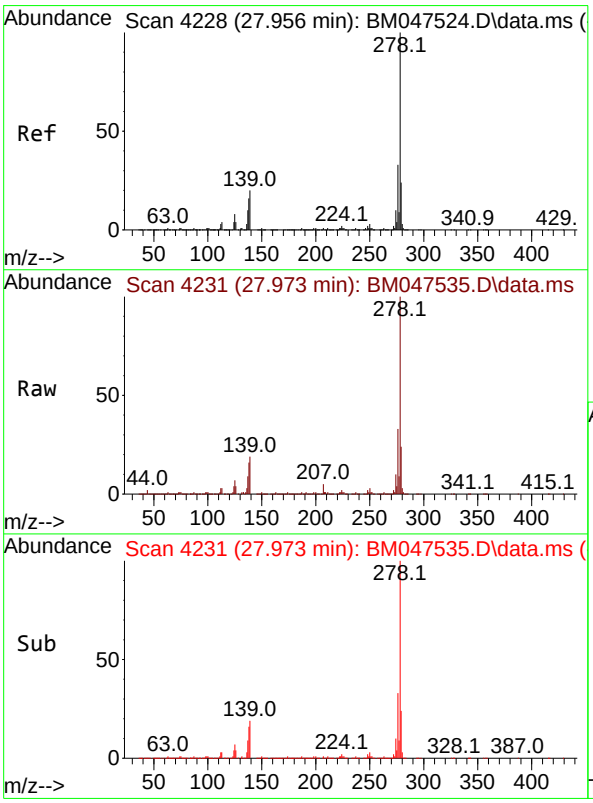
#90
Benzo(a)pyrene
Concen: 83.692 ng
RT: 24.333 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:252 Resp: 5660846

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	13.2	10.2	15.4

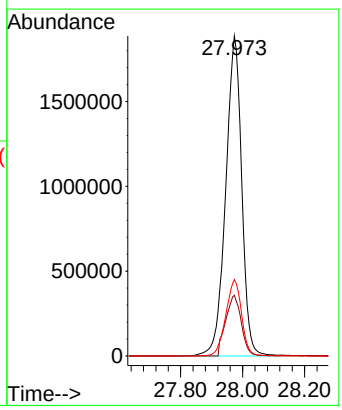


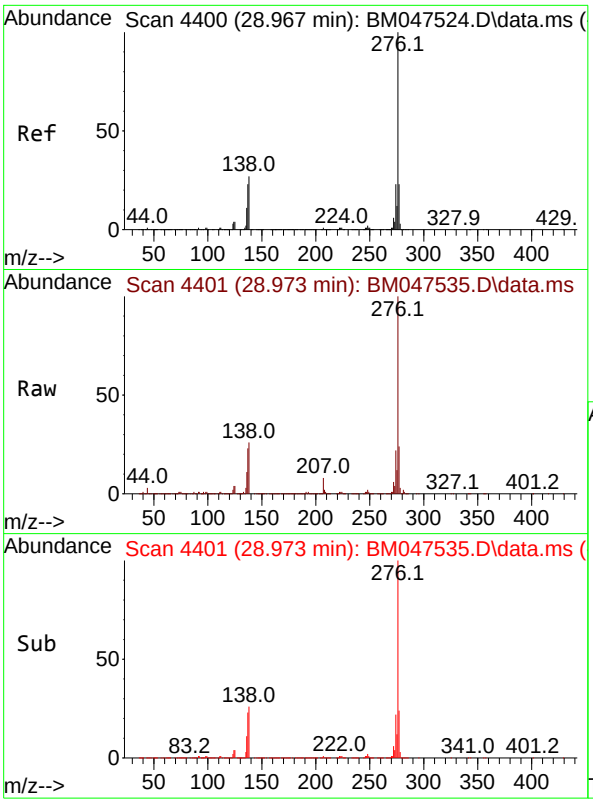


#91
Dibenzo(a,h)anthracene
Concen: 105.477 ng
RT: 27.973 min Scan# 4231
Delta R.T. 0.018 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:278 Resp: 6773810

Ion	Ratio	Lower	Upper
278	100		
139	18.9	15.9	23.9
279	23.9	19.3	28.9



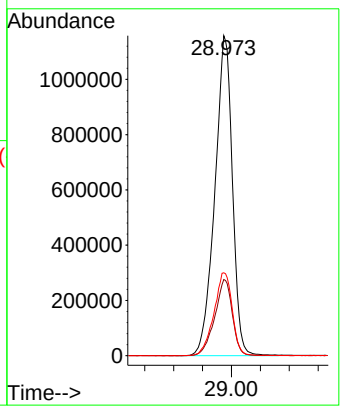


#92
Benzo(g,h,i)perylene
Concen: 77.773 ng
RT: 28.973 min Scan# 44
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Tgt Ion:276 Resp: 4878960

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	25.9	21.5	32.3



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-03DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047536.D	5	09/12/24 08:40	09/16/24 16:12	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	130	D	5.20	50.0	ug/L
110-86-1	Pyridine	7.80	UD	7.80	25.0	ug/L
100-52-7	Benzaldehyde	20.0	UD	20.0	50.0	ug/L
62-53-3	Aniline	8.00	UD	8.00	25.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	130	D	6.00	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	UD	4.40	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	150	D	4.00	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.20	UD	4.20	25.0	ug/L
100-51-6	Benzyl Alcohol	8.00	UD	8.00	50.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	76.0	D	6.80	25.0	ug/L
98-86-2	Acetophenone	5.50	UD	5.50	25.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	110	D	7.40	12.5	ug/L
67-72-1	Hexachloroethane	130	D	5.10	25.0	ug/L
98-95-3	Nitrobenzene	6.40	UD	6.40	25.0	ug/L
78-59-1	Isophorone	5.70	UD	5.70	25.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.10	UD	5.10	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	UD	5.50	25.0	ug/L
91-20-3	Naphthalene	150	D	5.10	25.0	ug/L
106-47-8	4-Chloroaniline	6.50	UD	6.50	25.0	ug/L
87-68-3	Hexachlorobutadiene	70.2	D	6.40	25.0	ug/L
105-60-2	Caprolactam	8.30	UD	8.30	50.0	ug/L
91-57-6	2-Methylnaphthalene	86.1	D	5.70	25.0	ug/L
77-47-4	Hexachlorocyclopentadiene	300	DQ	25.1	50.0	ug/L
92-52-4	1,1-Biphenyl	4.60	UD	4.60	25.0	ug/L
91-58-7	2-Chloronaphthalene	4.90	UD	4.90	25.0	ug/L
88-74-4	2-Nitroaniline	7.10	UD	7.10	25.0	ug/L
131-11-3	Dimethylphthalate	4.70	UD	4.70	25.0	ug/L
208-96-8	Acenaphthylene	160	D	5.20	25.0	ug/L
606-20-2	2,6-Dinitrotoluene	76.6	D	6.20	25.0	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-03DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047536.D	5	09/12/24 08:40	09/16/24 16:12	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	87.4	D	6.90	25.0	ug/L
83-32-9	Acenaphthene	17.5	JD	4.10	25.0	ug/L
132-64-9	Dibenzofuran	56.2	D	4.70	25.0	ug/L
121-14-2	2,4-Dinitrotoluene	56.7	D	7.60	25.0	ug/L
84-66-2	Diethylphthalate	89.2	D	5.20	25.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36.7	D	4.90	25.0	ug/L
86-73-7	Fluorene	180	D	4.80	25.0	ug/L
100-01-6	4-Nitroaniline	10.2	UD	10.2	25.0	ug/L
86-30-6	n-Nitrosodiphenylamine	120	D	4.50	25.0	ug/L
103-33-3	Azobenzene	6.00	UD	6.00	25.0	ug/L
101-55-3	4-Bromophenyl-phenylether	4.80	UD	4.80	25.0	ug/L
118-74-1	Hexachlorobenzene	140	D	5.70	25.0	ug/L
1912-24-9	Atrazine	6.30	UD	6.30	25.0	ug/L
85-01-8	Phenanthrene	4.50	UD	4.50	25.0	ug/L
120-12-7	Anthracene	120	D	5.40	25.0	ug/L
86-74-8	Carbazole	5.80	UD	5.80	25.0	ug/L
84-74-2	Di-n-butylphthalate	7.40	UD	7.40	25.0	ug/L
206-44-0	Fluoranthene	6.50	UD	6.50	25.0	ug/L
92-87-5	Benzidine	20.4	UD	20.4	50.0	ug/L
129-00-0	Pyrene	31.2	D	5.30	25.0	ug/L
85-68-7	Butylbenzylphthalate	10.5	UDQ	10.5	25.0	ug/L
91-94-1	3,3-Dichlorobenzidine	6.40	UD	6.40	50.0	ug/L
56-55-3	Benzo(a)anthracene	4.70	UD	4.70	25.0	ug/L
218-01-9	Chrysene	150	D	4.30	25.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	81.7	DQ	9.50	25.0	ug/L
117-84-0	Di-n-octyl phthalate	130	D	12.5	50.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.1	D	5.70	25.0	ug/L
207-08-9	Benzo(k)fluoranthene	71.7	D	6.00	25.0	ug/L
50-32-8	Benzo(a)pyrene	74.4	D	8.40	25.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	110	DQ	5.10	25.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	93.7	DQ	5.80	25.0	ug/L

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-03DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047536.D	5	09/12/24 08:40	09/16/24 16:12	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	76.0	D	5.90	25.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.50	UD	5.50	25.0	ug/L
123-91-1	1,4-Dioxane	6.30	UD	6.30	25.0	ug/L
90-12-0	1-Methylnaphthalene	170	D	4.30	25.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	155		10 - 139	103%	SPK: 150
13127-88-3	Phenol-d6	148		10 - 134	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		52 - 132	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.8		44 - 137	66%	SPK: 150
1718-51-0	Terphenyl-d14	119		48 - 125	119%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	378000	7.851			
1146-65-2	Naphthalene-d8	1620000	10.645			
15067-26-2	Acenaphthene-d10	949000	14.48			
1517-22-2	Phenanthrene-d10	1820000	17.215			
1719-03-5	Chrysene-d12	1350000	21.439			
1520-96-3	Perylene-d12	1280000	24.468			

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047536.D
Acq On : 16 Sep 2024 16:12
Operator : RC/JU
Sample : P3845-03DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Quant Time: Sep 16 16:51:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

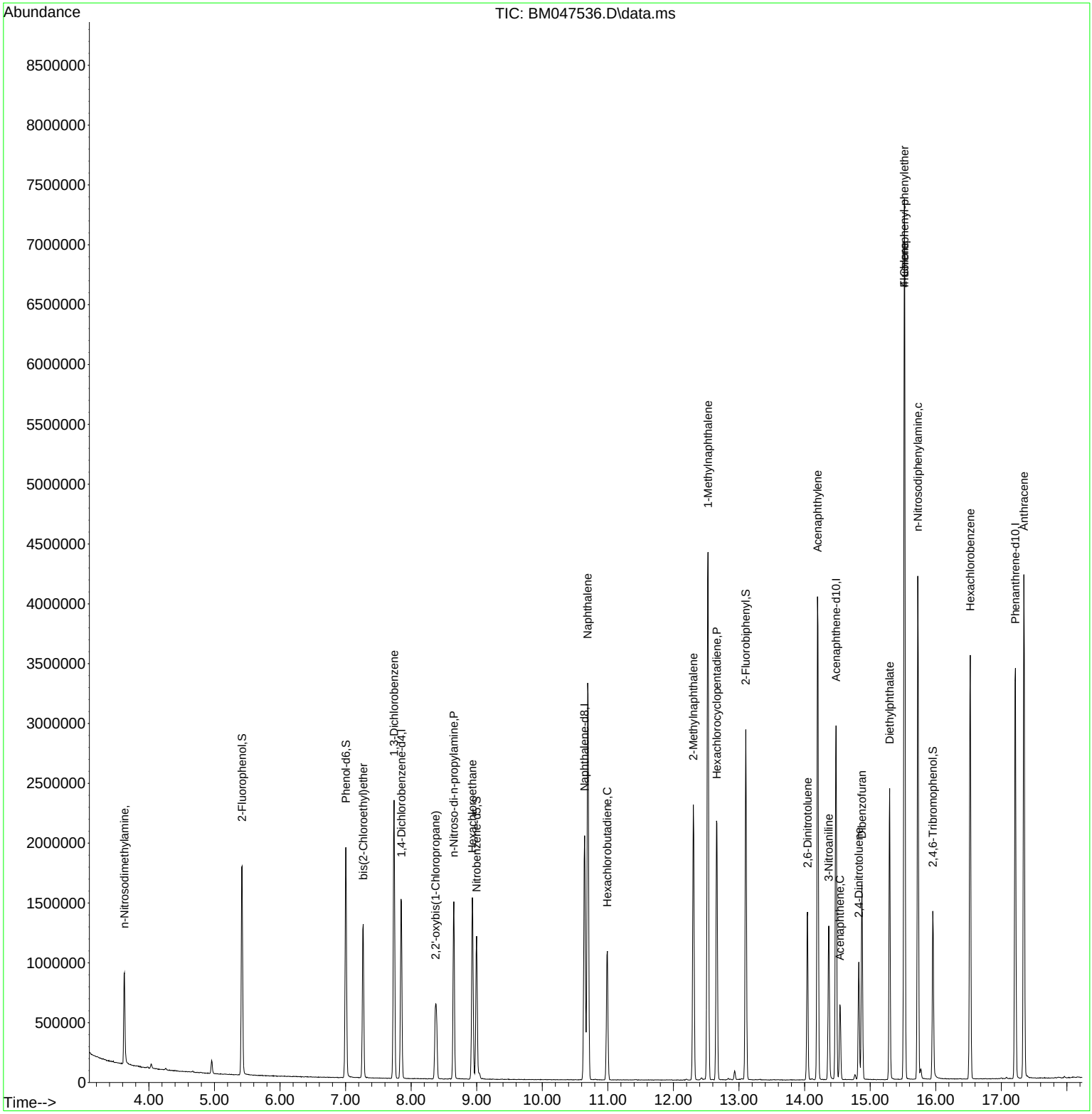
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.851	152	377823	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1623265	20.000	ng		0.00
39) Acenaphthene-d10	14.480	164	949493	20.000	ng		0.00
64) Phenanthrene-d10	17.215	188	1818864	20.000	ng		0.00
76) Chrysene-d12	21.439	240	1347119	20.000	ng		0.00
86) Perylene-d12	24.468	264	1275889	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	734018	30.933	ng		0.00
7) Phenol-d6	7.004	99	992382	29.696	ng		0.00
23) Nitrobenzene-d5	8.998	82	665465	20.517	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	181384	19.764	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	1305866	18.945	ng		0.00
79) Terphenyl-d14	19.827	244	1782974	23.717	ng		0.00
Target Compounds							Qvalue
4) n-Nitrosodimethylamine	3.628	42	356838	25.996	ng	#	99
11) bis(2-Chloroethyl)ether	7.269	93	678098	25.243	ng		99
12) 1,3-Dichlorobenzene	7.739	146	863225	30.148	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	574680	15.208	ng		99
18) Hexachloroethane	8.933	117	312580	26.831	ng		95
19) n-Nitroso-di-n-propyla...	8.651	70	515796	22.893	ng		99
31) Naphthalene	10.692	128	2634257	30.048	ng		100
34) Hexachlorobutadiene	10.992	225	194944	14.047	ng		100
37) 2-Methylnaphthalene	12.304	142	1005200	17.227	ng		98
38) 1-Methylnaphthalene	12.527	142	1935401	33.377	ng		100
41) Hexachlorocyclopentadiene	12.663	237	498511	59.352	ng		99
49) Acenaphthylene	14.198	152	2676589	32.334	ng		99
51) 2,6-Dinitrotoluene	14.045	165	209271	15.318	ng		94
52) Acenaphthene	14.539	154	203075	3.501	ng		99
53) 3-Nitroaniline	14.368	138	265340	17.474	ng		99
55) Dibenzofuran	14.874	168	915756	11.236	ng		97
57) 2,4-Dinitrotoluene	14.827	165	206695	11.344	ng		92
58) Fluorene	15.521	166	2573022	35.065	ng		98
60) Diethylphthalate	15.298	149	1228185	17.832	ng		100
61) 4-Chlorophenyl-phenyle...	15.521	204	245994	7.332	ng		99
66) n-Nitrosodiphenylamine	15.727	169	1372755	24.671	ng		99
68) Hexachlorobenzene	16.527	284	580365	28.987	ng		100
72) Anthracene	17.345	178	2299599	23.878	ng		100
78) Pyrene	19.621	202	612806	6.236	ng		99
83) Chrysene	21.486	228	2459118	29.609	ng		99
84) Bis(2-ethylhexyl)phtha...	21.356	149	968770	16.349	ng	#	98
85) Di-n-octyl phthalate	22.503	149	2147339	25.619	ng		98
87) Indeno(1,2,3-cd)pyrene	27.879	276	1613527	21.132	ng		98
88) Benzo(b)fluoranthene	23.503	252	744359	9.017	ng		97
89) Benzo(k)fluoranthene	23.574	252	1173640	14.345	ng		99
90) Benzo(a)pyrene	24.321	252	1006301	14.873	ng		97
91) Dibenzo(a,h)anthracene	27.950	278	1203491	18.734	ng		99
92) Benzo(g,h,i)perylene	28.950	276	954289	15.207	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047536.D
Acq On : 16 Sep 2024 16:12
Operator : RC/JU
Sample : P3845-03DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

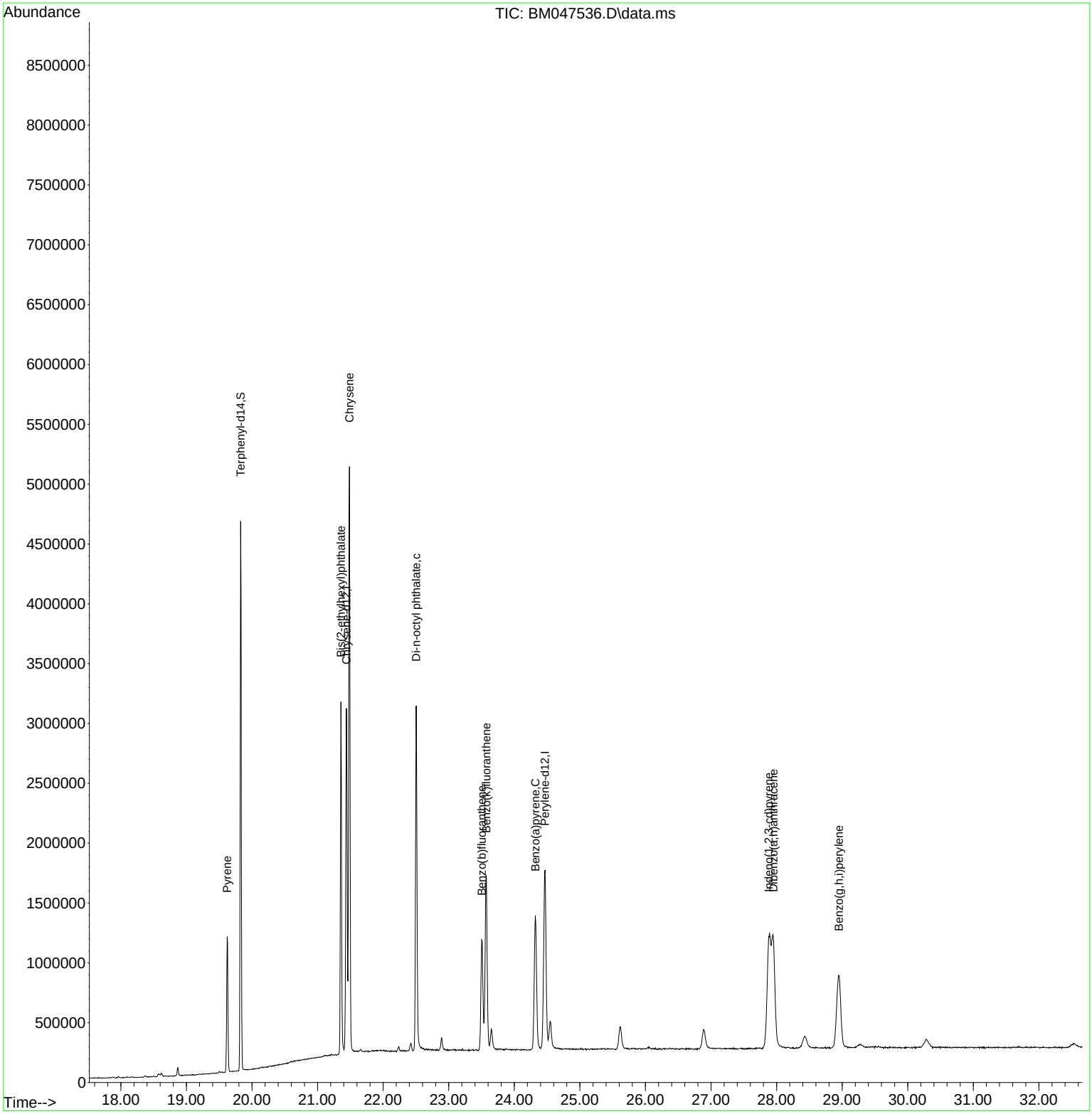
Quant Time: Sep 16 16:51:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

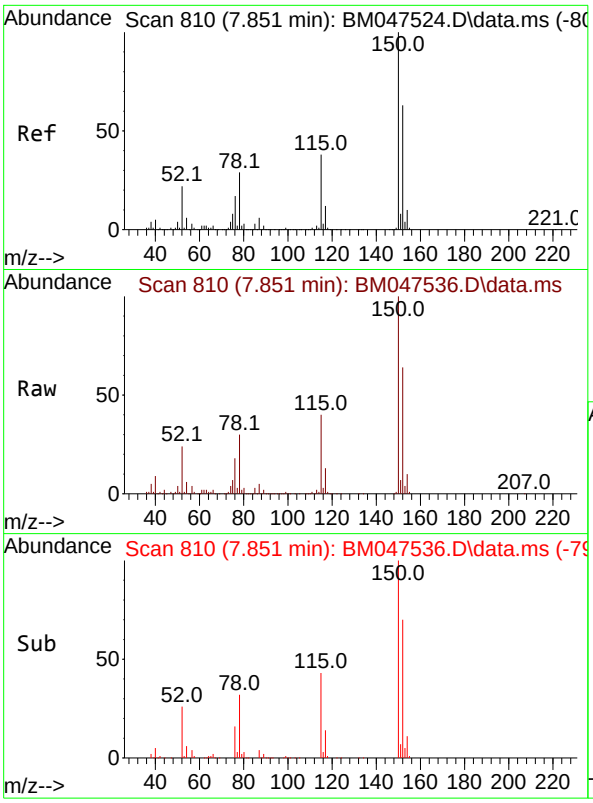


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047536.D
Acq On : 16 Sep 2024 16:12
Operator : RC/JU
Sample : P3845-03DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Quant Time: Sep 16 16:51:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



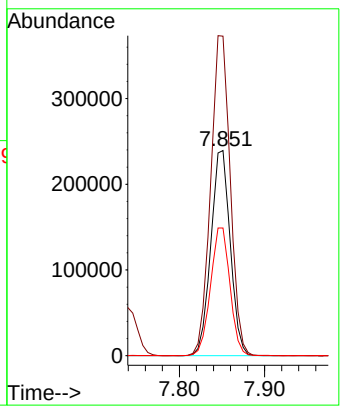


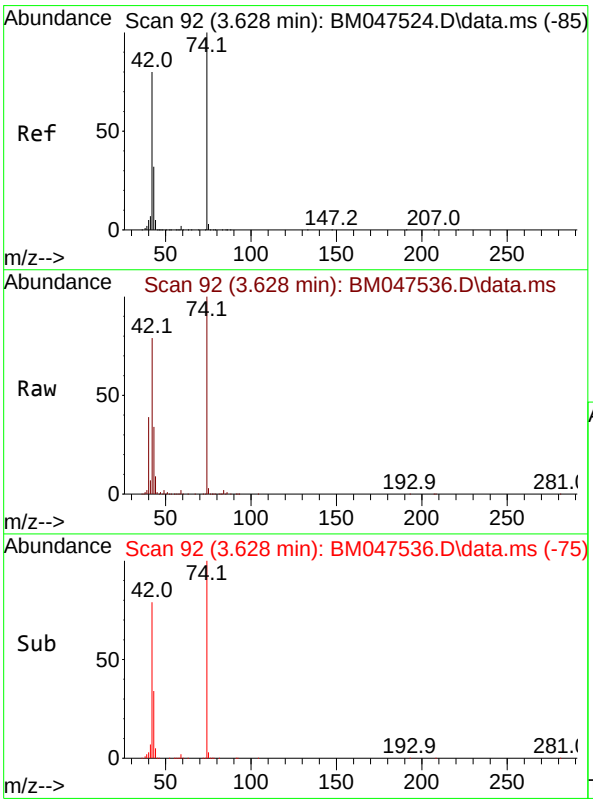
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:152 Resp: 377823

Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.8	190.2
115	62.2	47.8	71.8

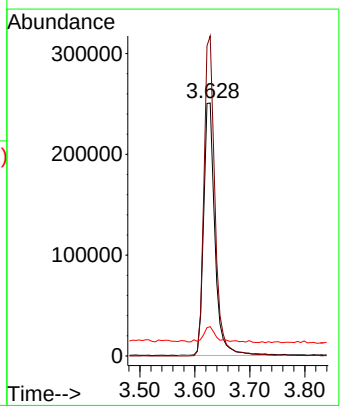


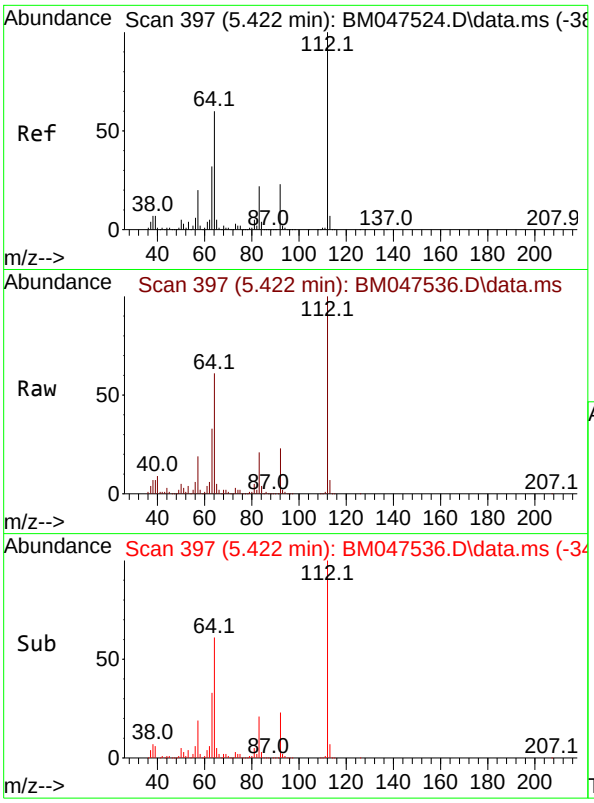


#4
n-Nitrosodimethylamine
Concen: 25.996 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion: 42 Resp: 356838

Ion	Ratio	Lower	Upper
42	100		
74	126.5	100.5	150.7
44	11.6	6.9	10.3#



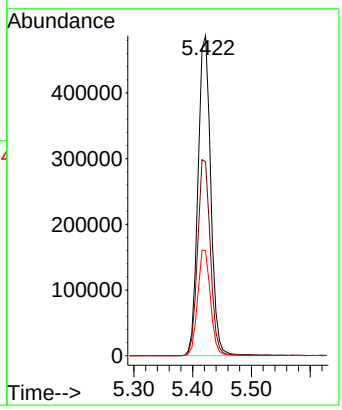


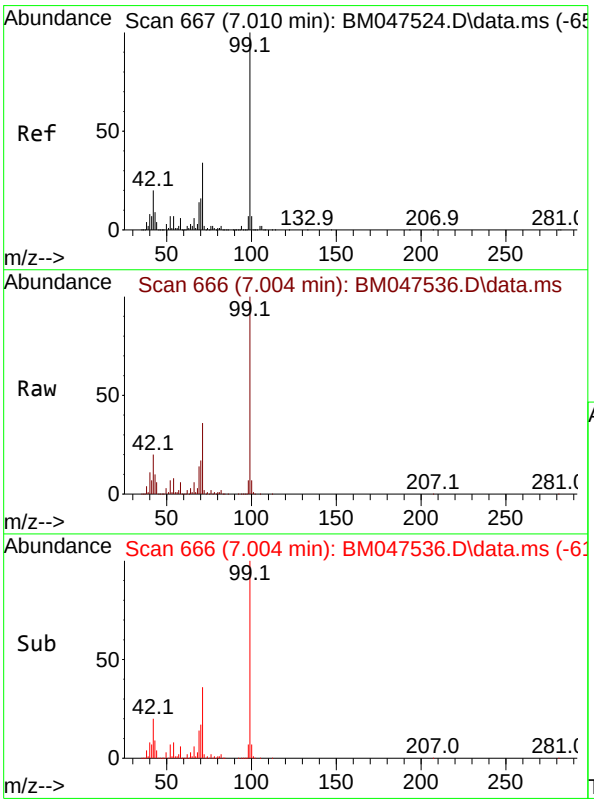
#5
2-Fluorophenol
Concen: 30.933 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:112 Resp: 734018

Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.2	72.4
63	32.8	26.0	39.0

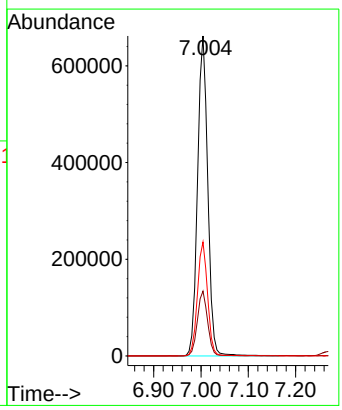


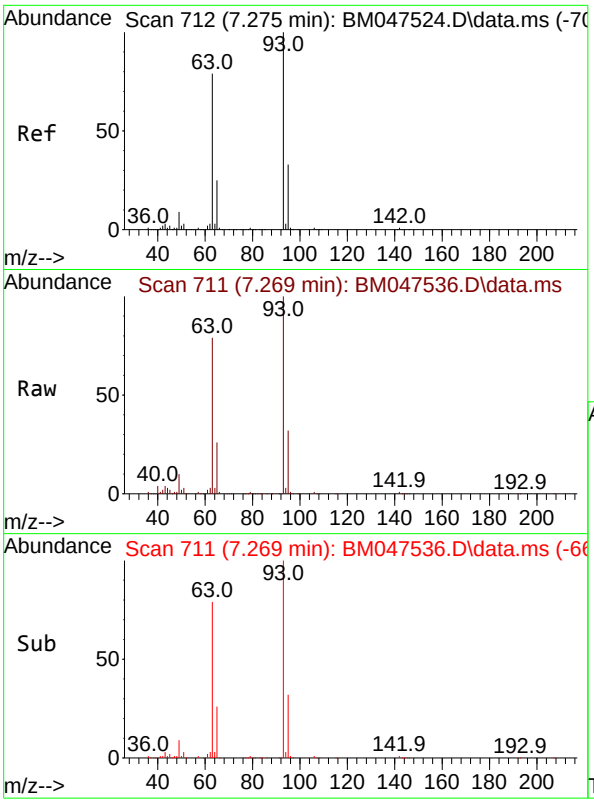


#7
Phenol-d6
Concen: 29.696 ng
RT: 7.004 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion: 99 Resp: 992382

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.8	23.8
71	35.6	27.6	41.4



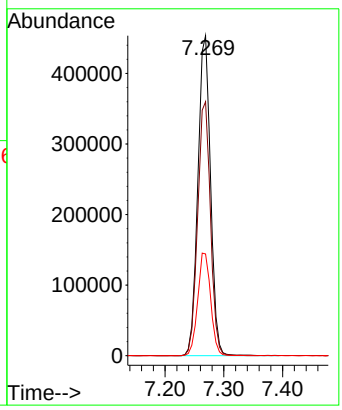


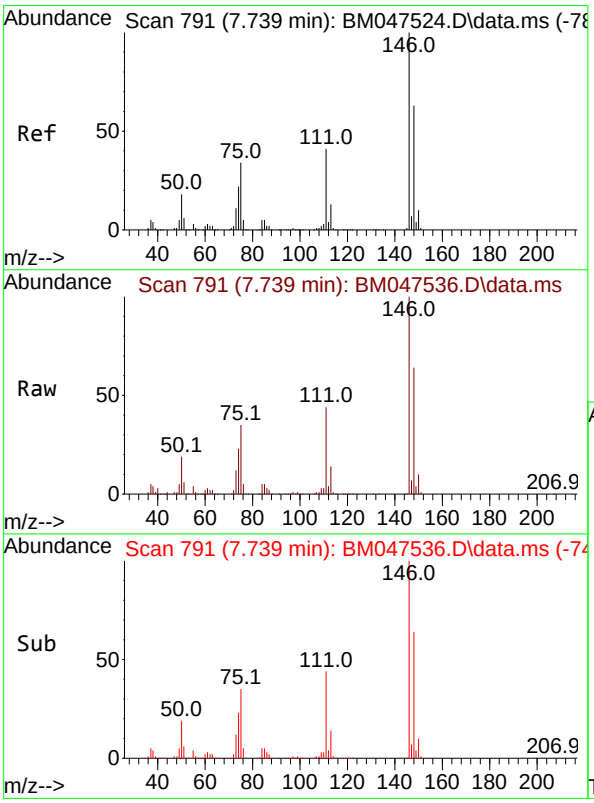
#11
bis(2-Chloroethyl)ether
Concen: 25.243 ng
RT: 7.269 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion: 93 Resp: 678098

Ion	Ratio	Lower	Upper
93	100		
63	79.3	58.2	98.2
95	31.8	12.8	52.8

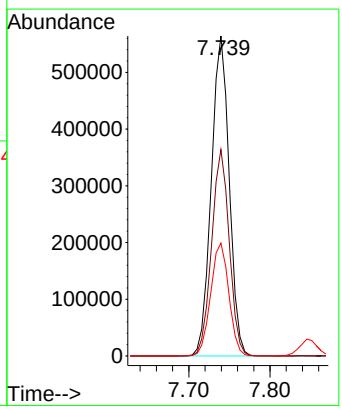


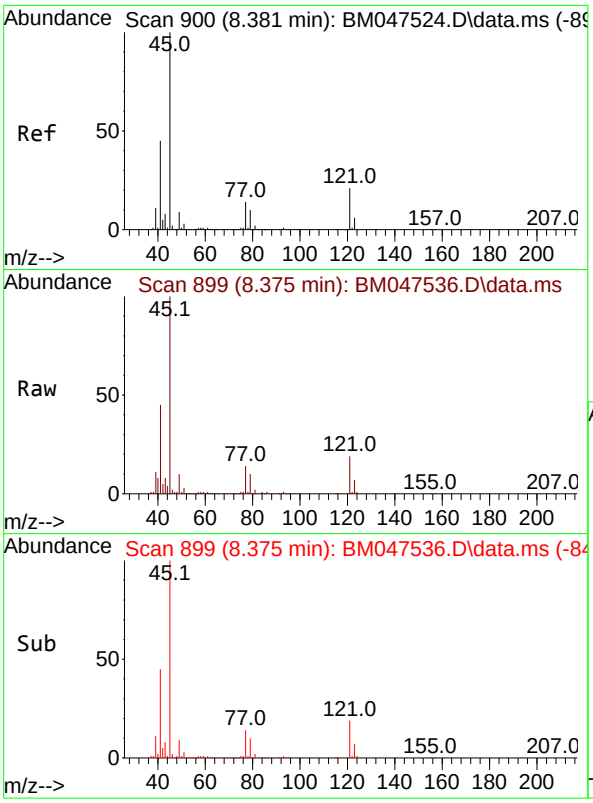


#12
1,3-Dichlorobenzene
Concen: 30.148 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:146 Resp: 863225

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.2	75.4
75	35.3	27.4	41.0



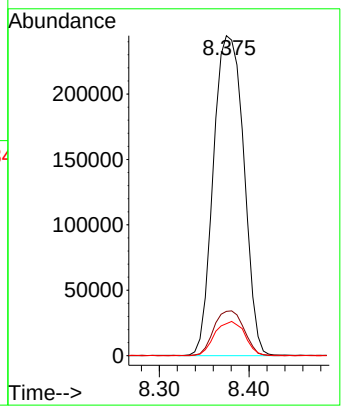


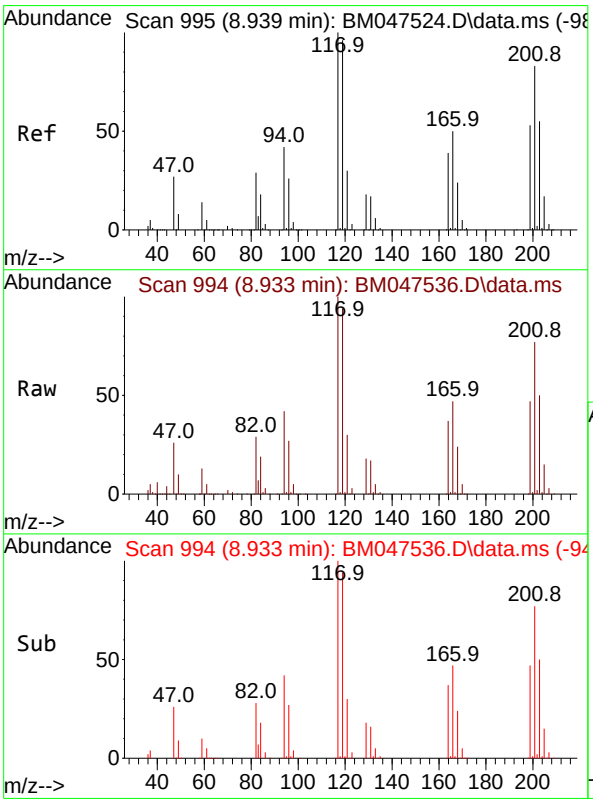
#16
2,2'-oxybis(1-Chloropropane)
Concen: 15.208 ng
RT: 8.375 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion: 45 Resp: 574680

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	33.7
79	10.0	0.0	30.3

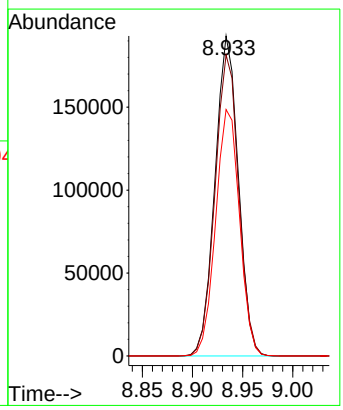


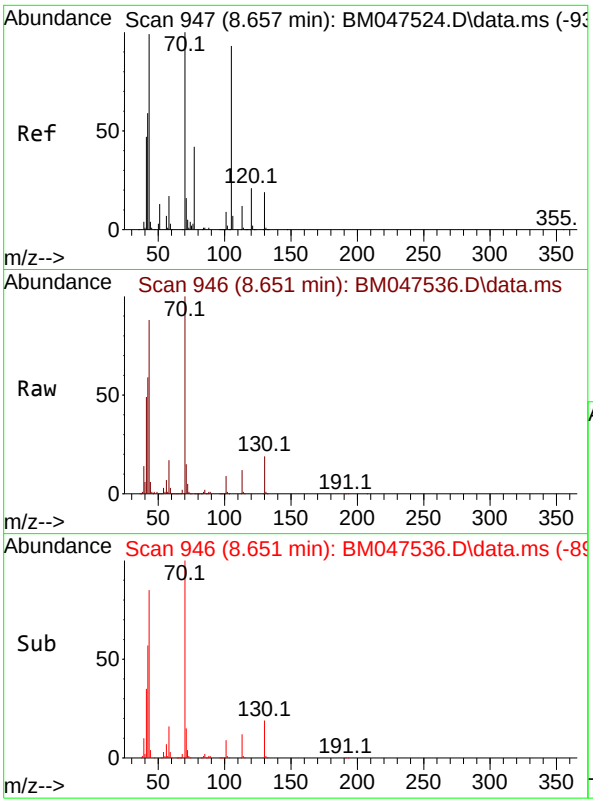


#18
Hexachloroethane
Concen: 26.831 ng
RT: 8.933 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:117 Resp: 312580

Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.0	115.4
201	77.0	66.8	100.2



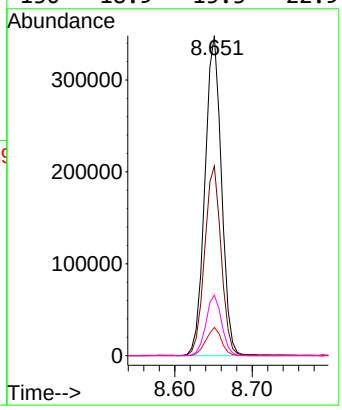


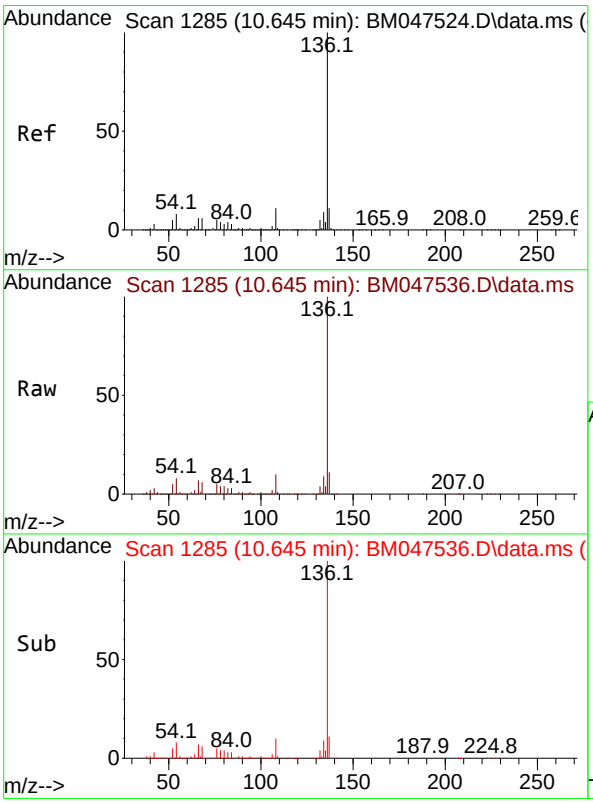
#19
n-Nitroso-di-n-propylamine
Concen: 22.893 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion: 70 Resp: 515796

Ion	Ratio	Lower	Upper
70	100		
42	59.2	48.2	72.2
101	8.8	7.0	10.4
130	18.9	15.3	22.9

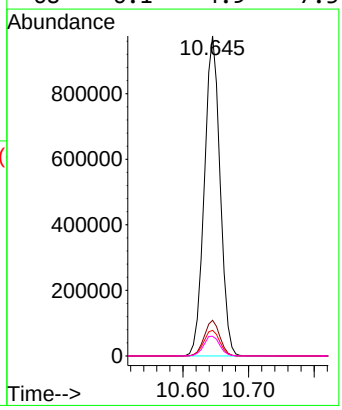


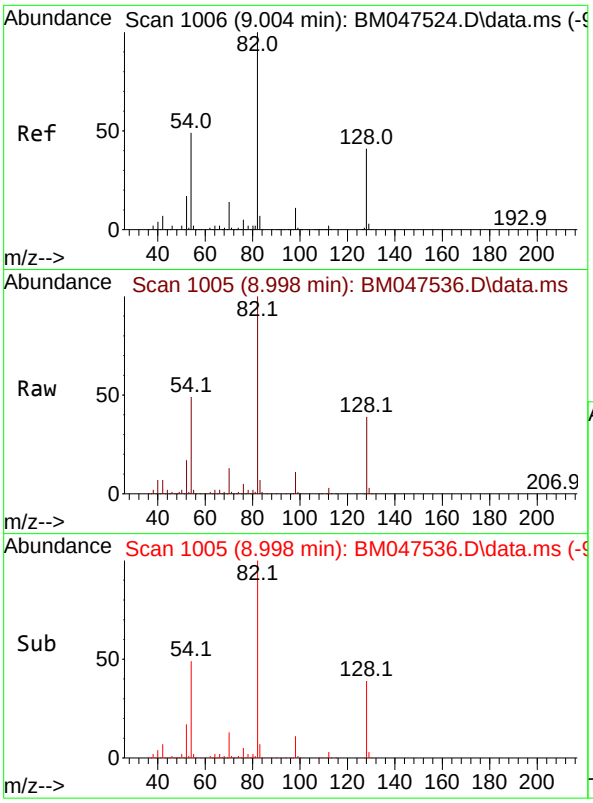


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:136 Resp: 1623265

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	8.0	6.6	9.8
68	6.1	4.9	7.3



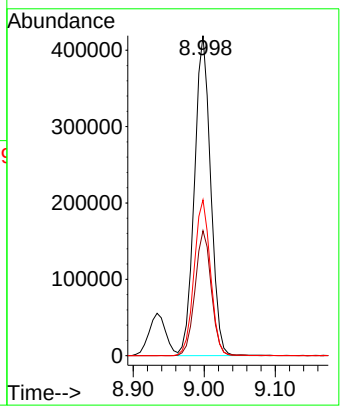


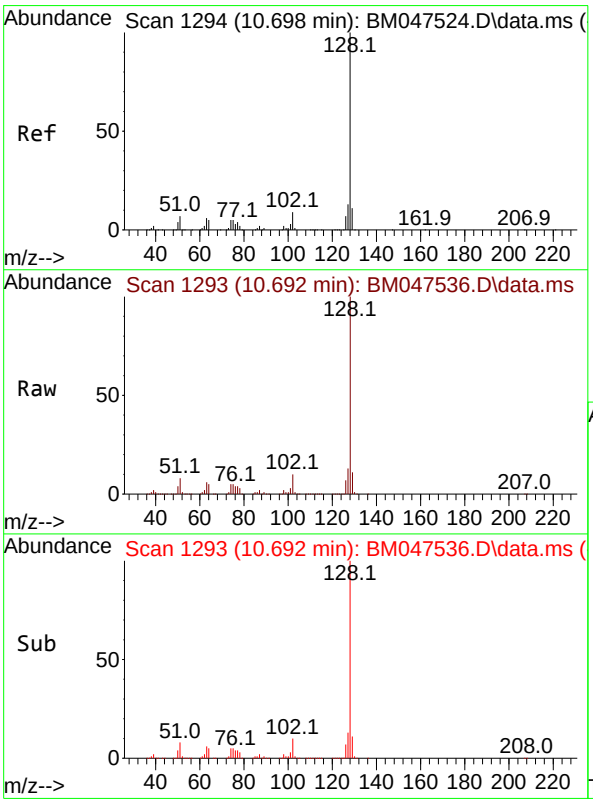
#23
Nitrobenzene-d5
Concen: 20.517 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion: 82 Resp: 665465

Ion	Ratio	Lower	Upper
82	100		
128	39.0	33.0	49.4
54	48.7	39.3	58.9

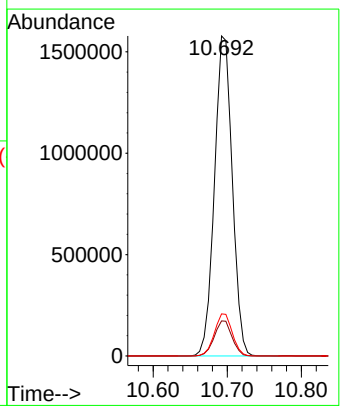


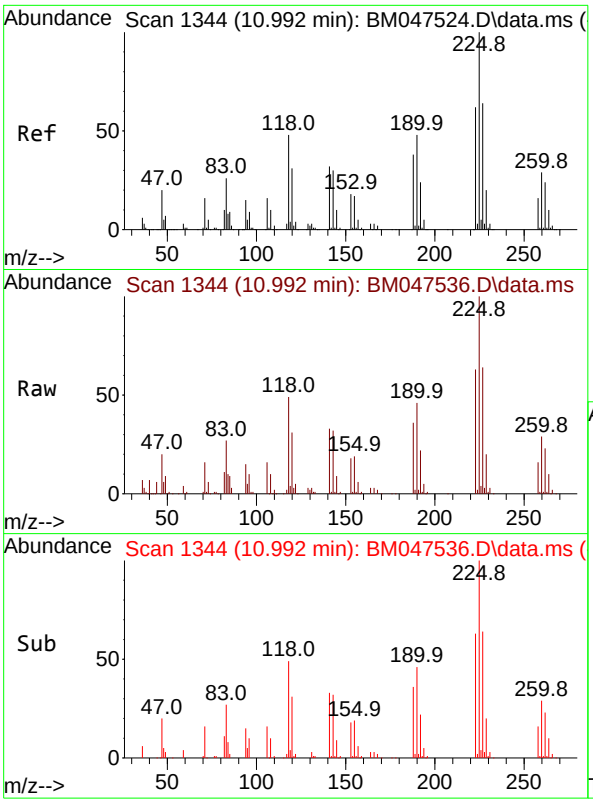


#31
Naphthalene
Concen: 30.048 ng
RT: 10.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:128 Resp: 2634257

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.5	15.7



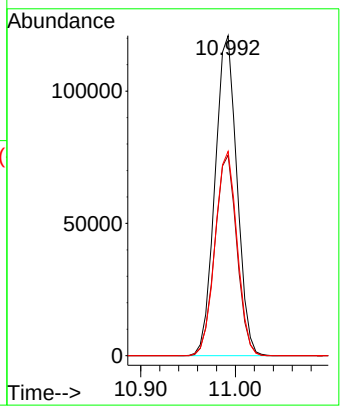


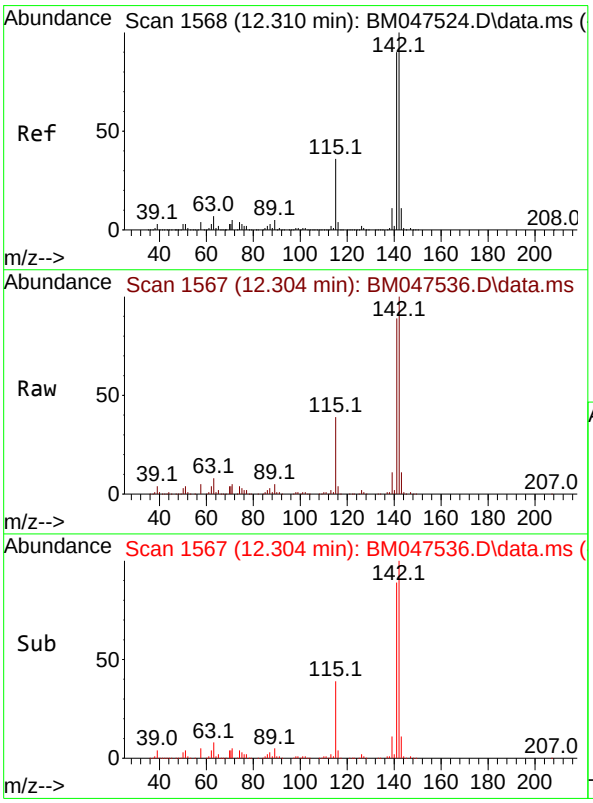
#34
Hexachlorobutadiene
Concen: 14.047 ng
RT: 10.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:225 Resp: 194944

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	63.9	51.0	76.4

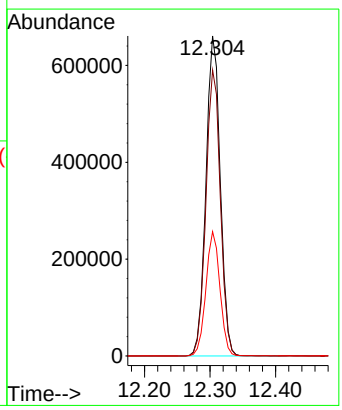


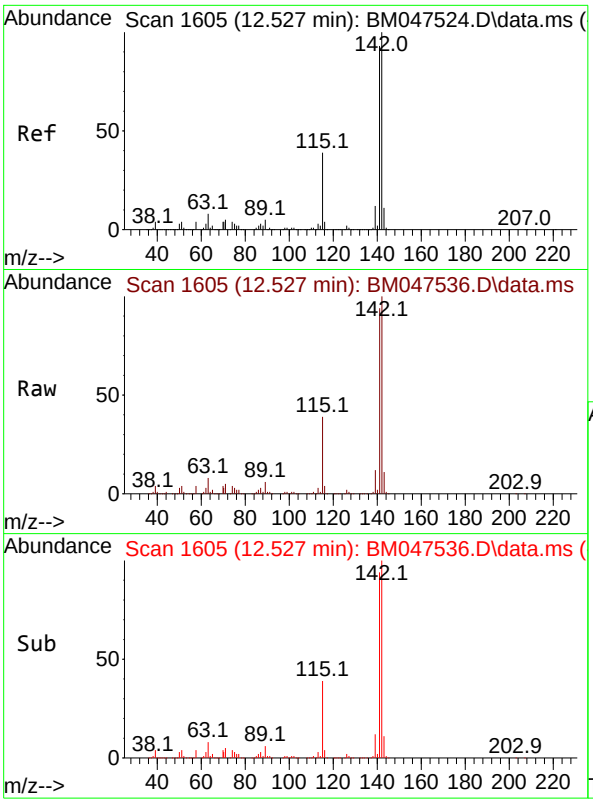


#37
2-Methylnaphthalene
Concen: 17.227 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:142 Resp: 1005200

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.2	108.4
115	38.9	29.1	43.7



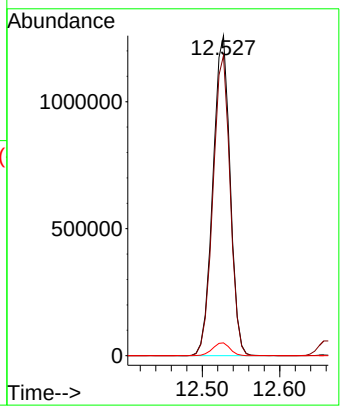


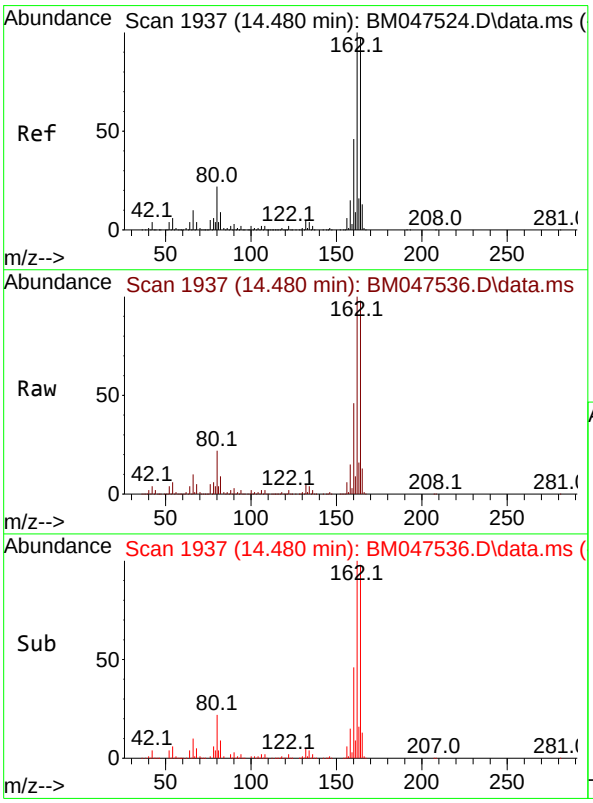
#38
1-Methylnaphthalene
Concen: 33.377 ng
RT: 12.527 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:142 Resp: 1935401

Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.7	112.1
116	4.0	3.2	4.8

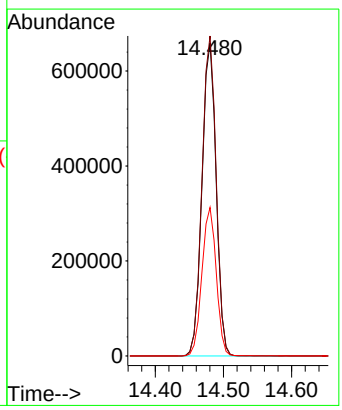


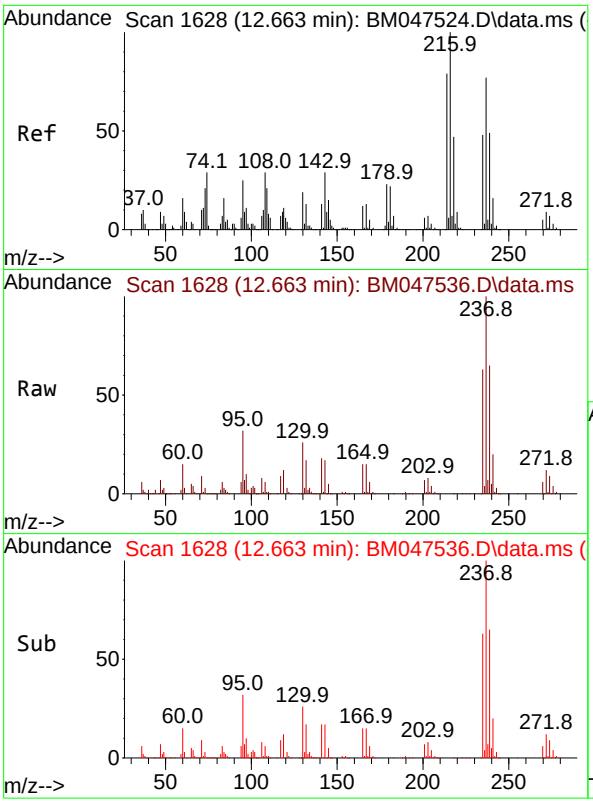


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:164 Resp: 949493

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	47.4	38.2	57.2



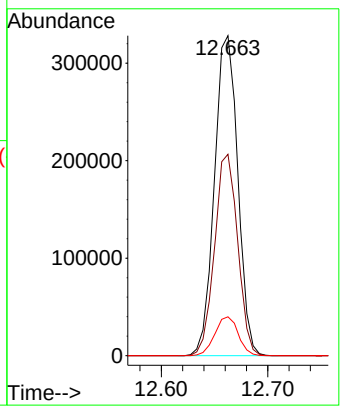


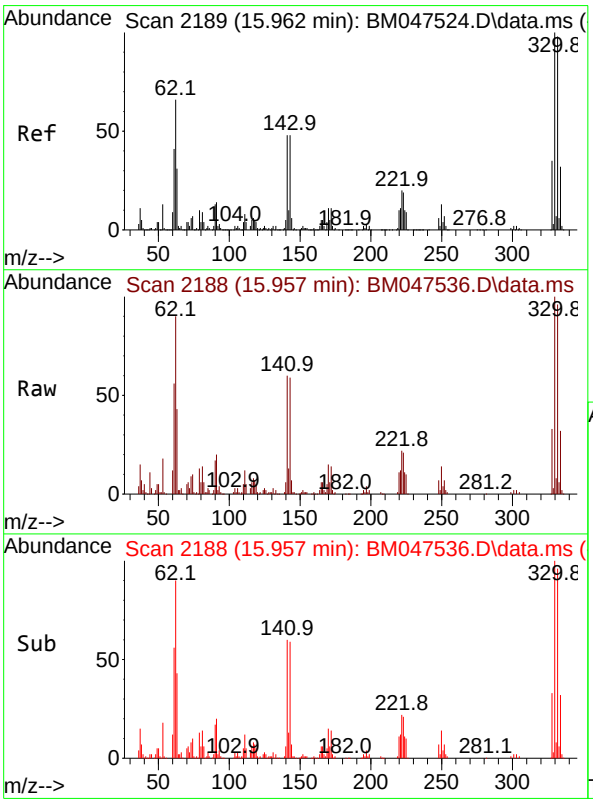
#41
Hexachlorocyclopentadiene
Concen: 59.352 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:237 Resp: 498511

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.0	82.0
272	12.1	0.0	31.5

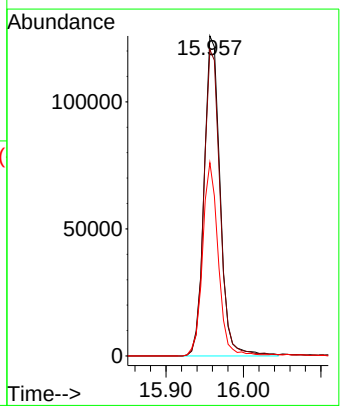


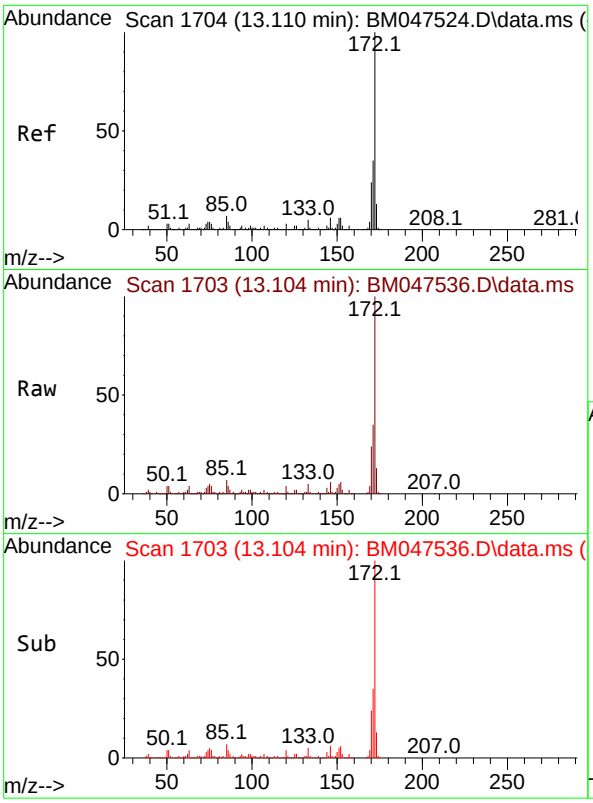


#42
2,4,6-Tribromophenol
Concen: 19.764 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:330 Resp: 181384

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	58.9	42.2	63.2



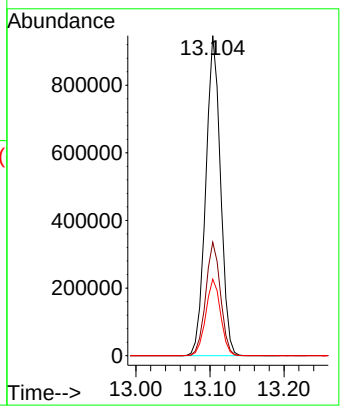


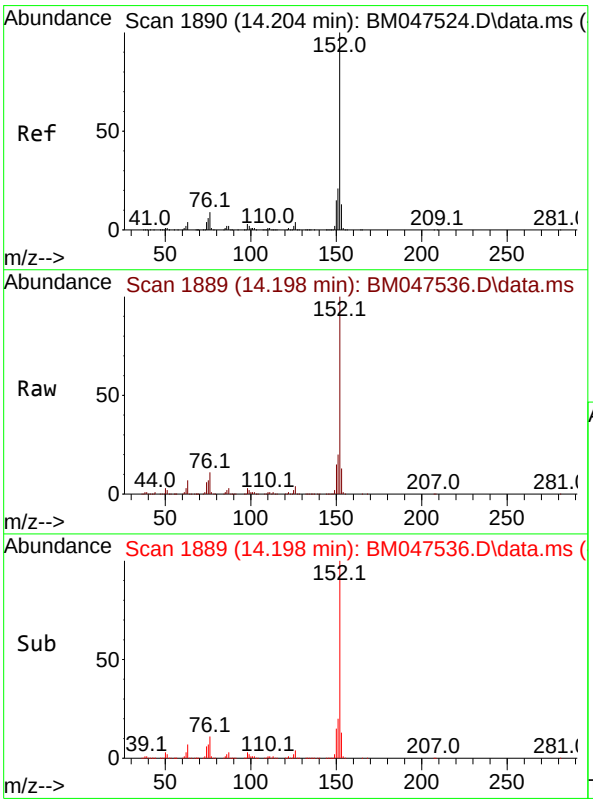
#45
2-Fluorobiphenyl
Concen: 18.945 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:172 Resp: 1305866

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.9	19.4	29.0

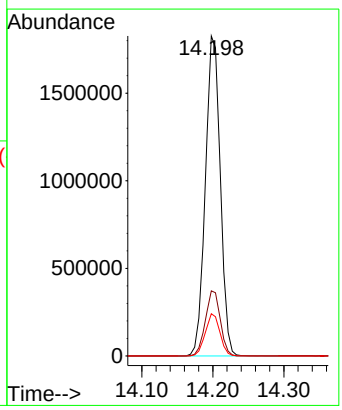


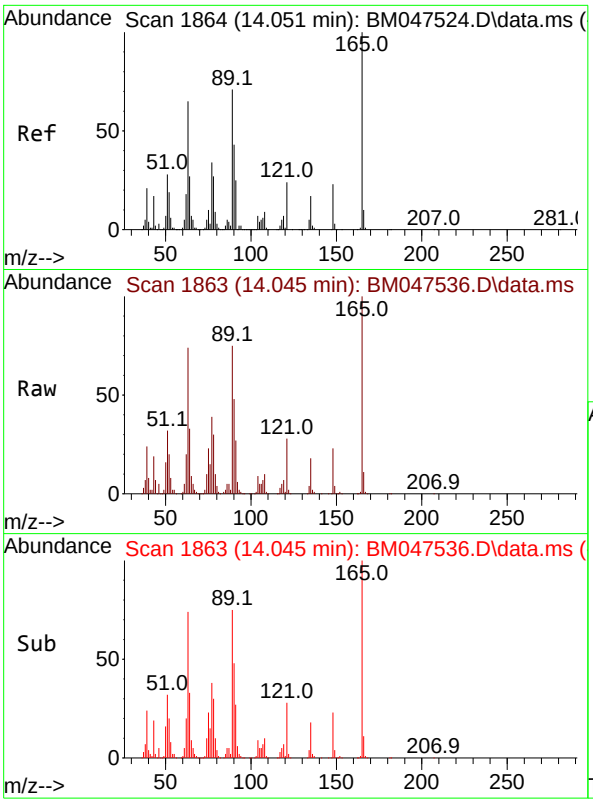


#49
Acenaphthylene
Concen: 32.334 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:152 Resp: 2676589

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7
153	13.2	10.4	15.6



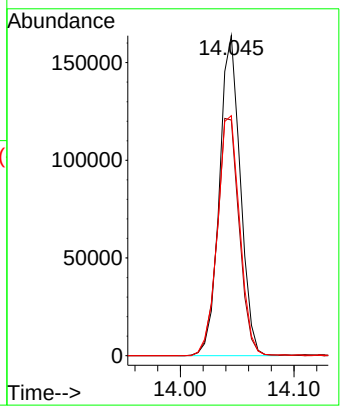


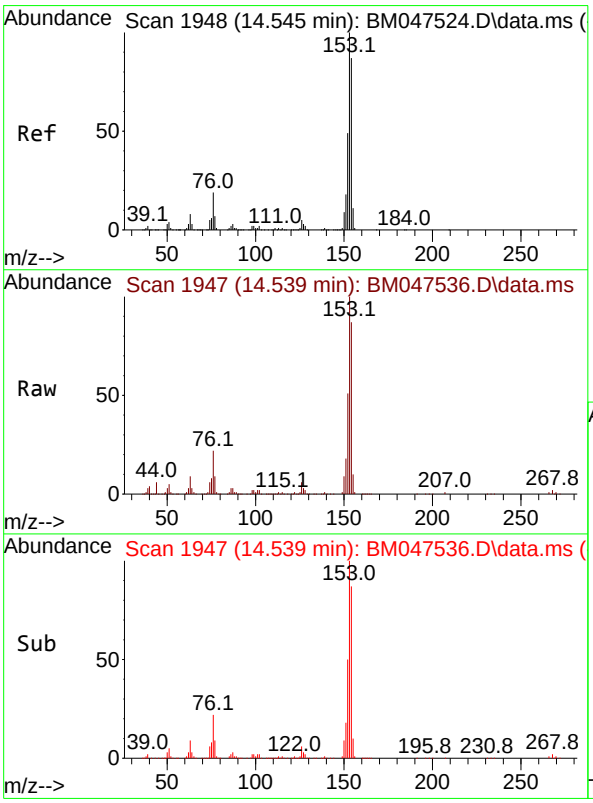
#51
2,6-Dinitrotoluene
Concen: 15.318 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:165 Resp: 209271

Ion	Ratio	Lower	Upper
165	100		
63	73.7	54.2	81.2
89	75.0	56.4	84.6

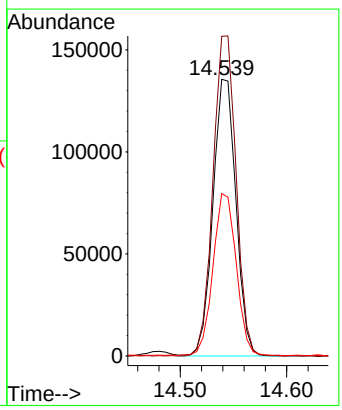


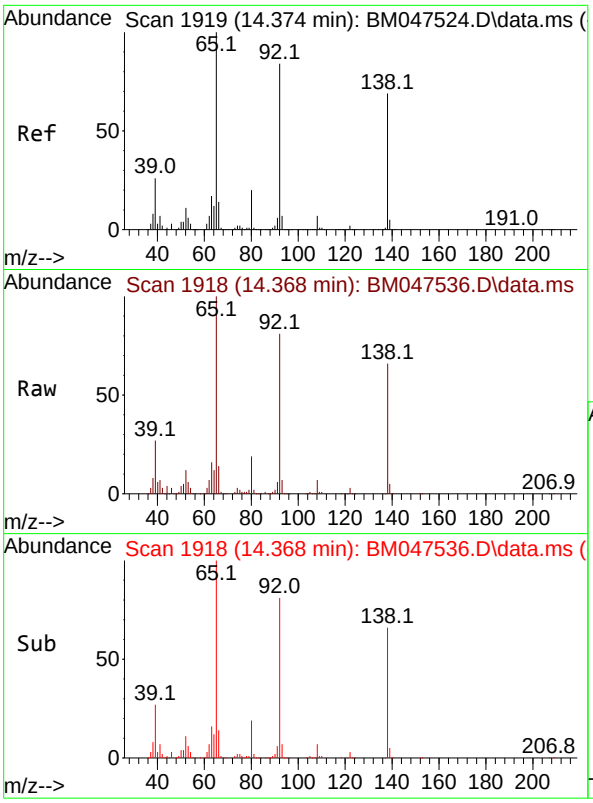


#52
Acenaphthene
Concen: 3.501 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:154 Resp: 203075

Ion	Ratio	Lower	Upper
154	100		
153	115.5	92.2	138.2
152	58.7	45.4	68.0



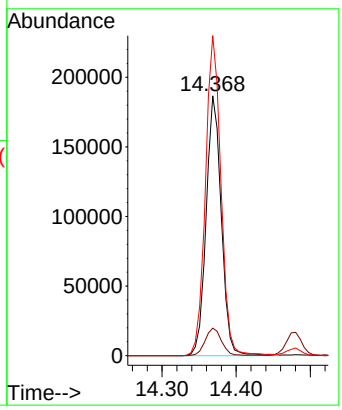


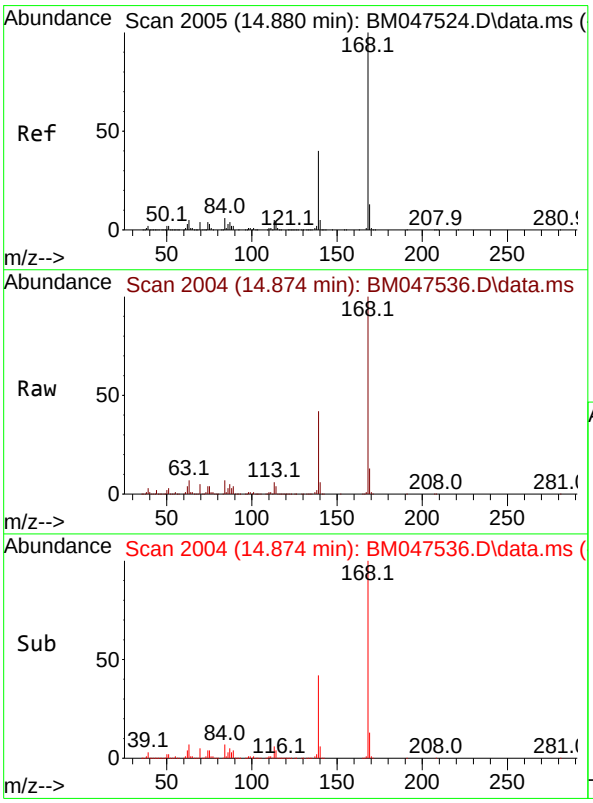
#53
3-Nitroaniline
Concen: 17.474 ng
RT: 14.368 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:138 Resp: 265340

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.0	12.0
92	123.2	97.4	146.0

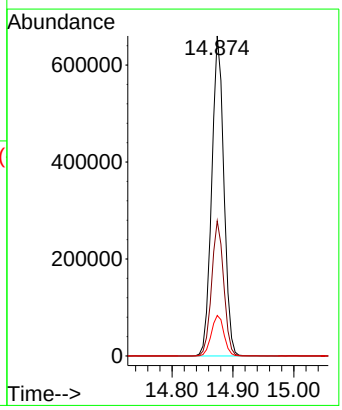


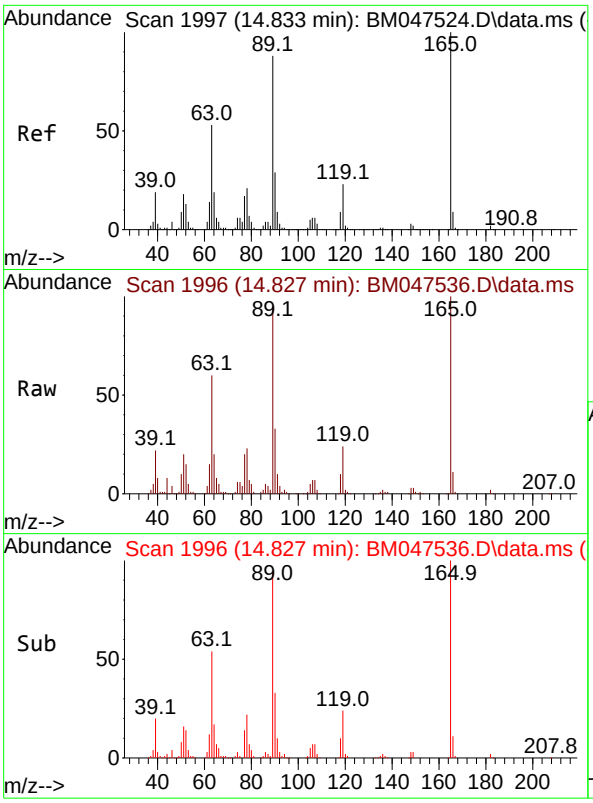


#55
Dibenzofuran
Concen: 11.236 ng
RT: 14.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:168 Resp: 915756

Ion	Ratio	Lower	Upper
168	100		
139	42.2	31.9	47.9
169	12.7	10.5	15.7



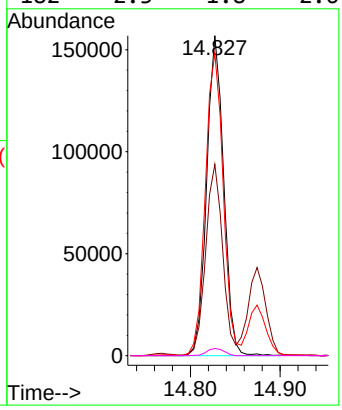


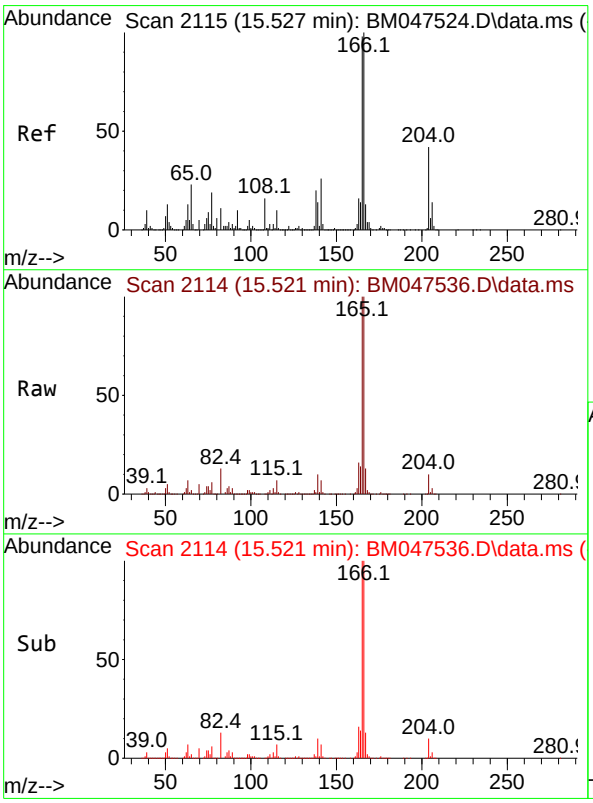
#57
2,4-Dinitrotoluene
Concen: 11.344 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:165 Resp: 206695

Ion	Ratio	Lower	Upper
165	100		
63	59.8	42.4	63.6
89	94.5	70.5	105.7
182	2.3	1.8	2.6

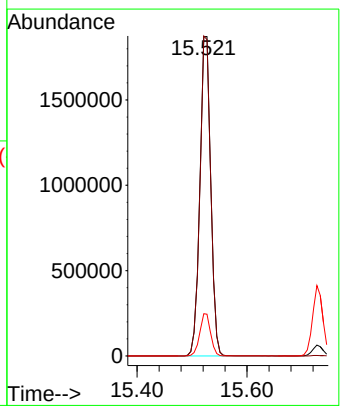


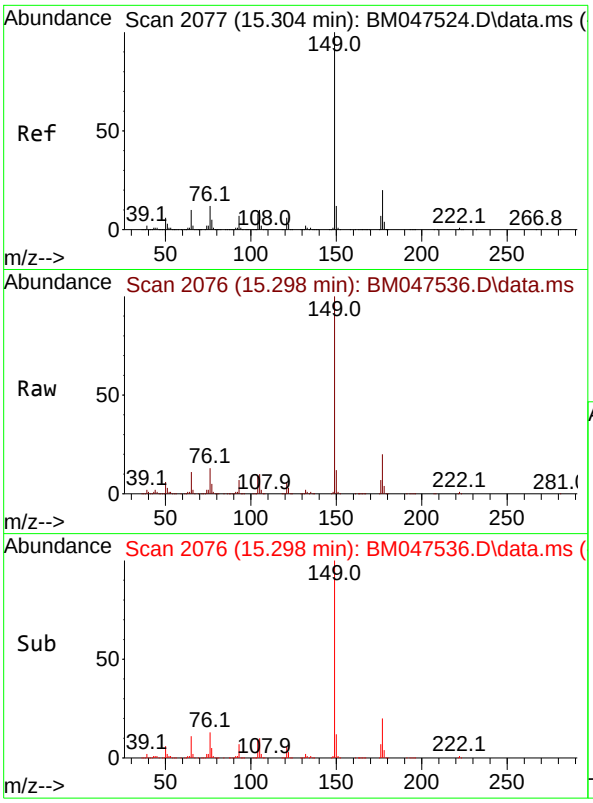


#58
Fluorene
Concen: 35.065 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:166 Resp: 2573022

Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.6	117.8
167	13.2	10.7	16.1



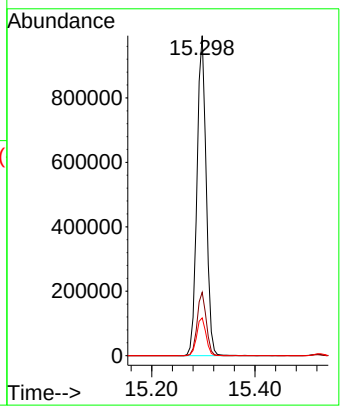


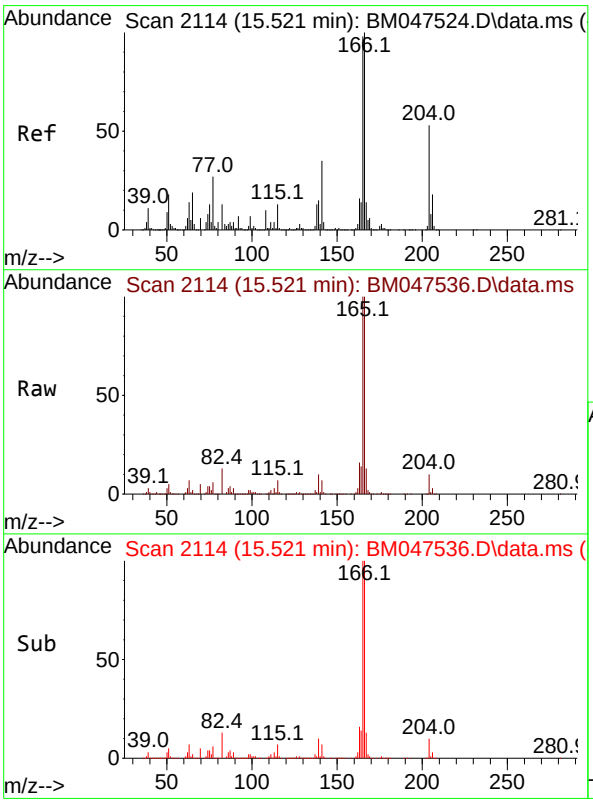
#60
Diethylphthalate
Concen: 17.832 ng
RT: 15.298 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:149 Resp: 1228185

Ion	Ratio	Lower	Upper
149	100		
177	19.8	15.8	23.8
150	11.8	9.7	14.5

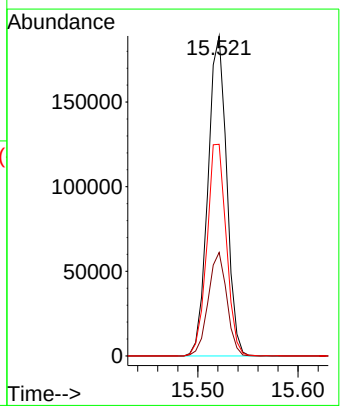


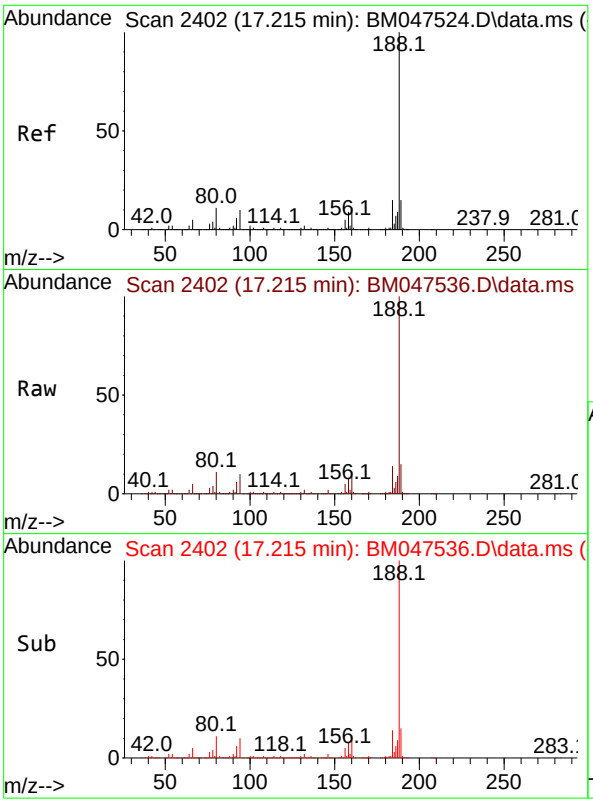


#61
4-Chlorophenyl-phenylether
Concen: 7.332 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:204 Resp: 245994

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.5	39.7
141	66.2	52.1	78.1



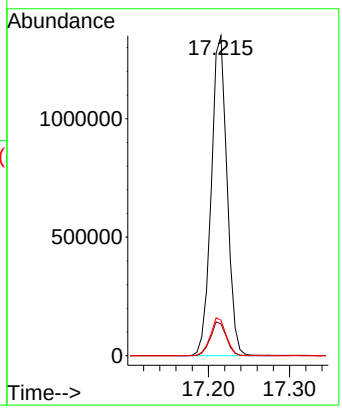


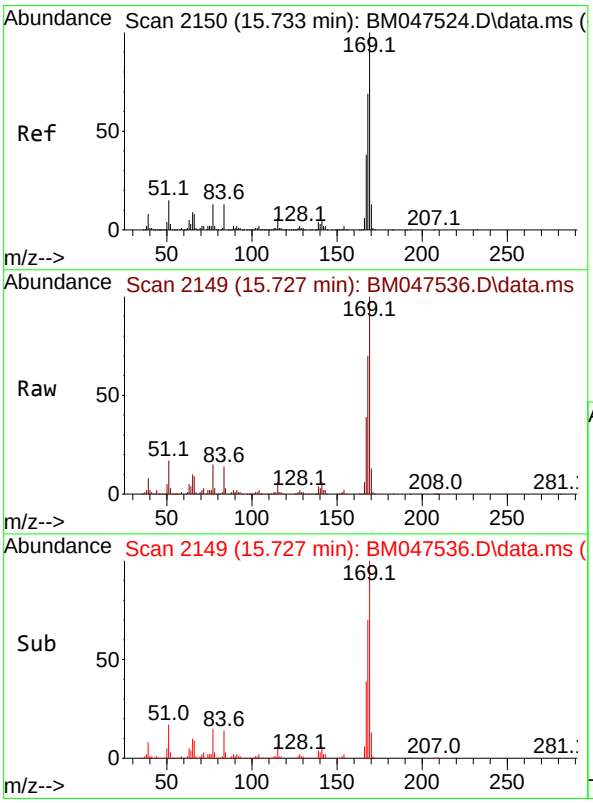
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:188 Resp: 1818864

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.4	12.6
80	11.1	9.1	13.7

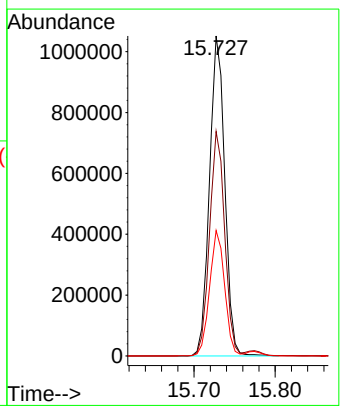


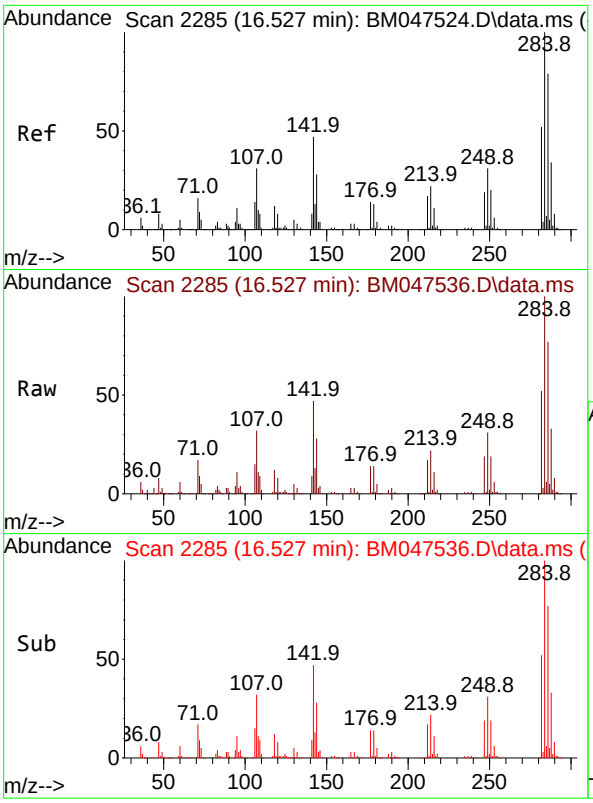


#66
n-Nitrosodiphenylamine
Concen: 24.671 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:169 Resp: 1372755

Ion	Ratio	Lower	Upper
169	100		
168	70.1	55.3	82.9
167	39.2	30.5	45.7



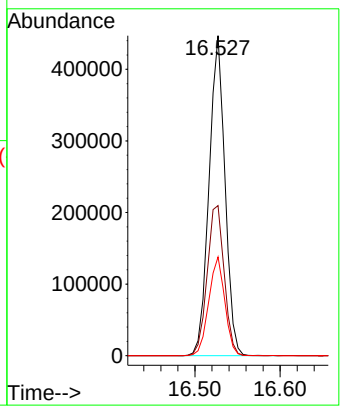


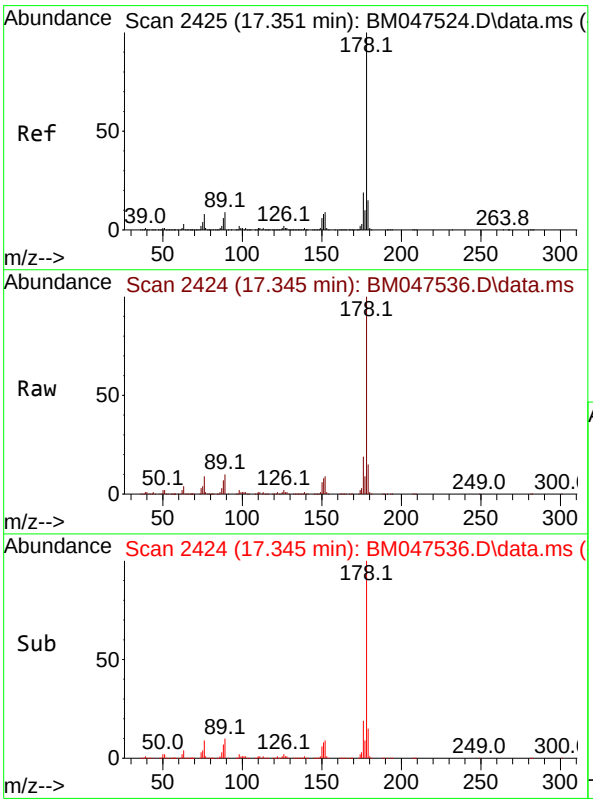
#68
Hexachlorobenzene
Concen: 28.987 ng
RT: 16.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:284 Resp: 580365

Ion	Ratio	Lower	Upper
284	100		
142	46.9	37.3	55.9
249	30.8	24.5	36.7

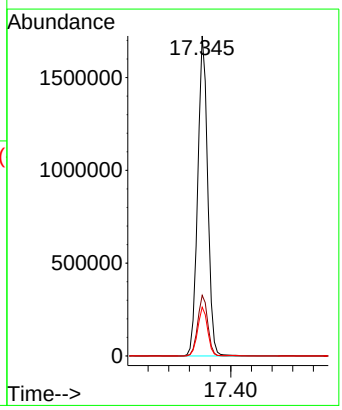


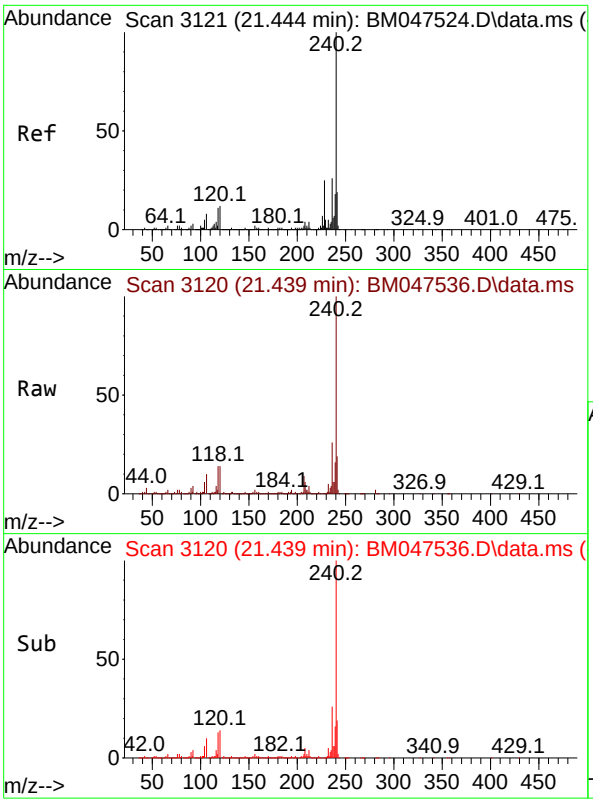


#72
Anthracene
Concen: 23.878 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:178 Resp: 2299599

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.3	12.3	18.5



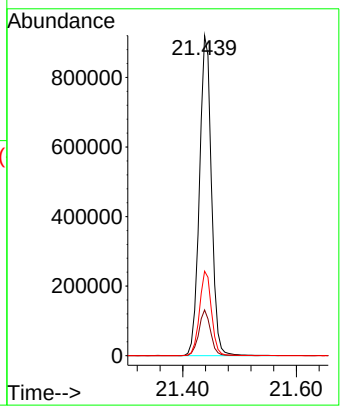


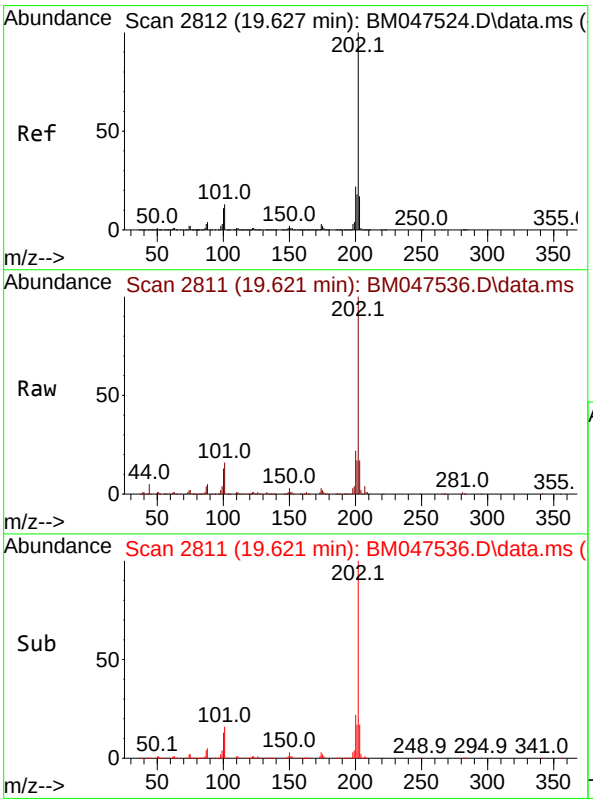
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:240 Resp: 1347119

Ion	Ratio	Lower	Upper
240	100		
120	14.3	9.6	14.4
236	26.4	20.9	31.3

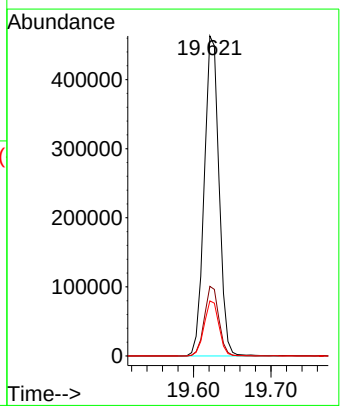


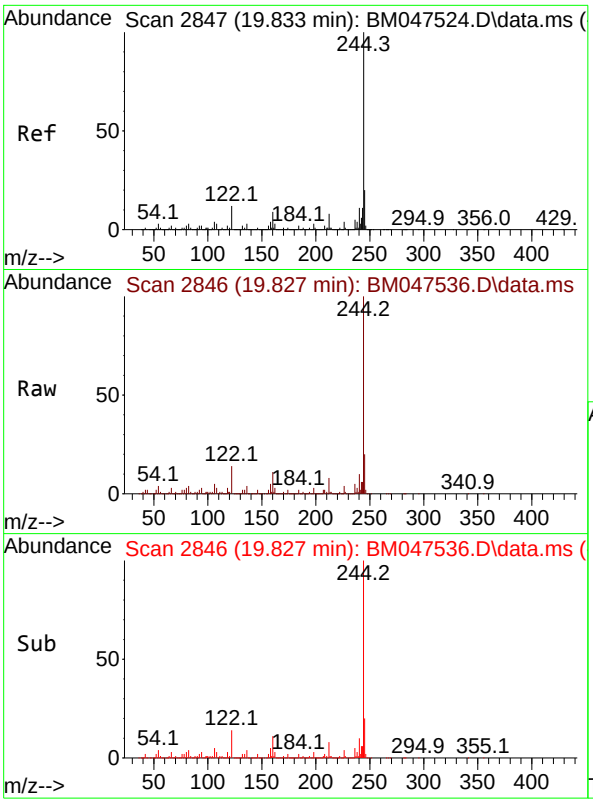


#78
Pyrene
Concen: 6.236 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:202 Resp: 612806

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.2	14.0	21.0



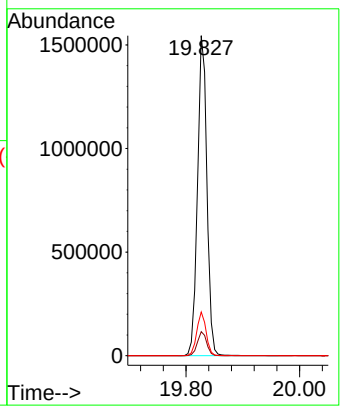


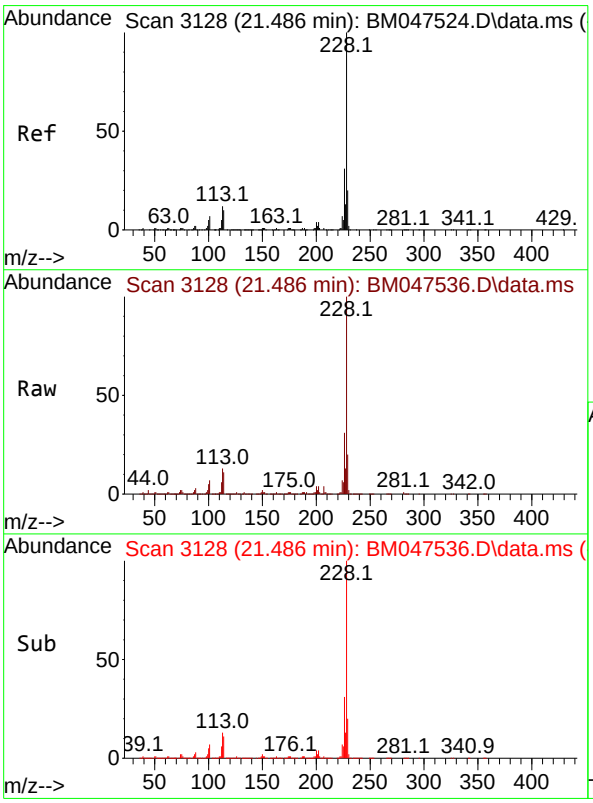
#79
Terphenyl-d14
Concen: 23.717 ng
RT: 19.827 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:244 Resp: 1782974

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.7	9.6	14.4

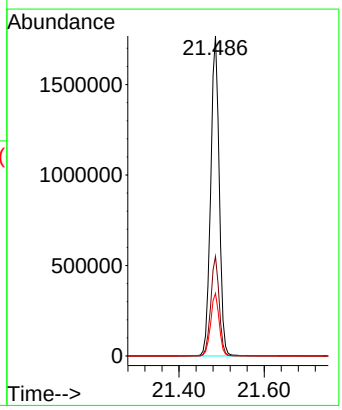


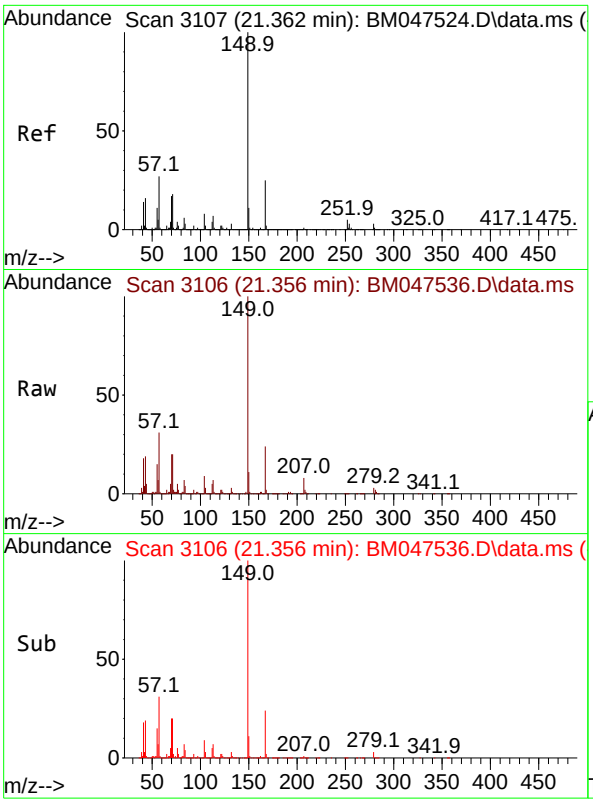


#83
Chrysene
Concen: 29.609 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:228 Resp: 2459118

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	19.5	15.9	23.9



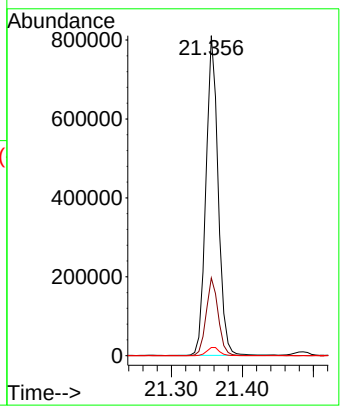


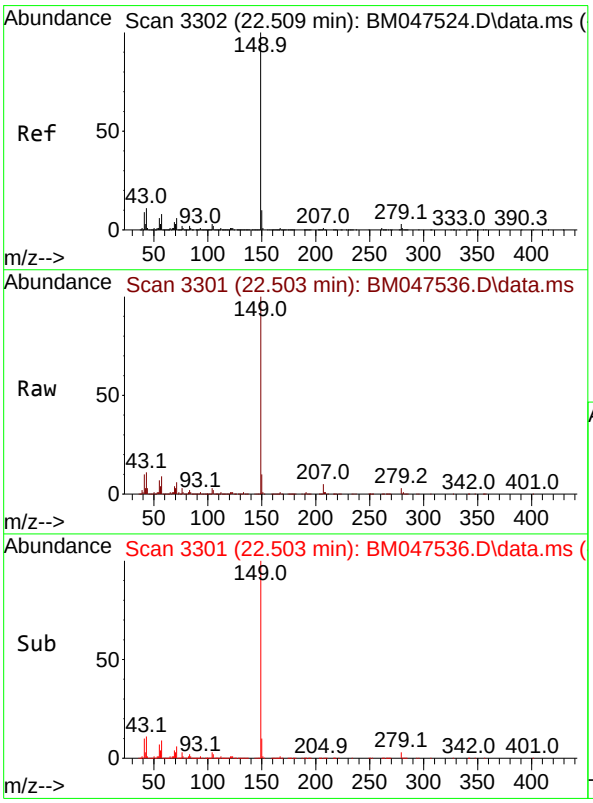
#84
Bis(2-ethylhexyl)phthalate
Concen: 16.349 ng
RT: 21.356 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:149 Resp: 968770

Ion	Ratio	Lower	Upper
149	100		
167	24.3	20.2	30.4
279	2.6	2.6	4.0#

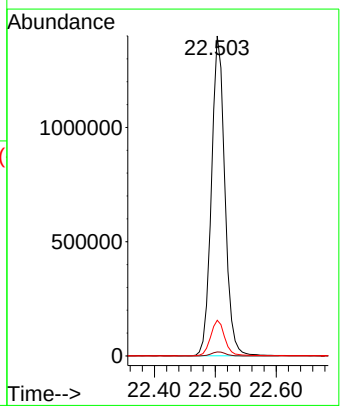


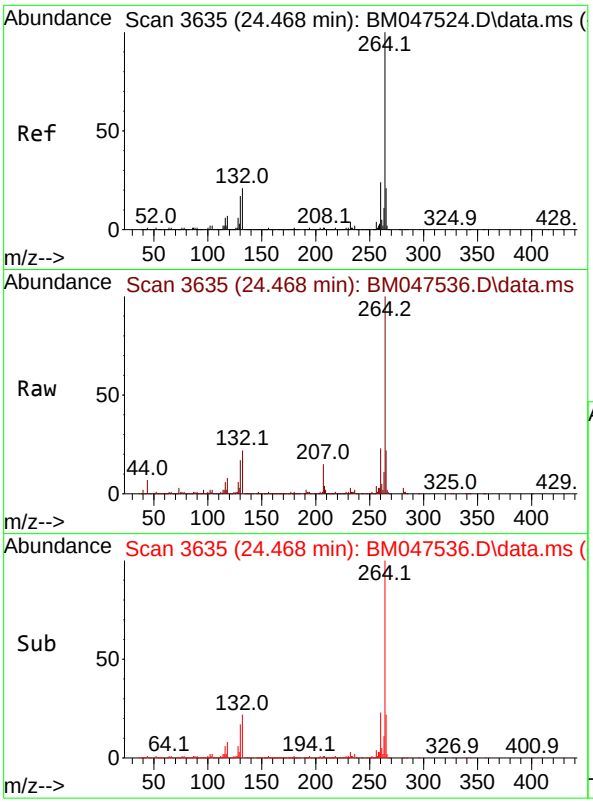


#85
Di-n-octyl phthalate
Concen: 25.619 ng
RT: 22.503 min Scan# 3301
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:149 Resp: 2147339

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.8	8.9	13.3



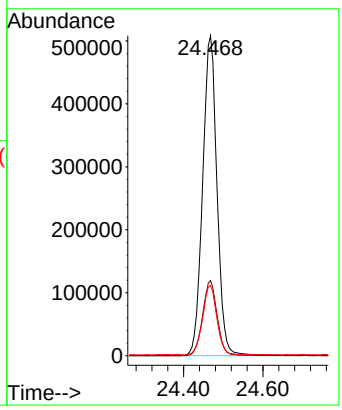


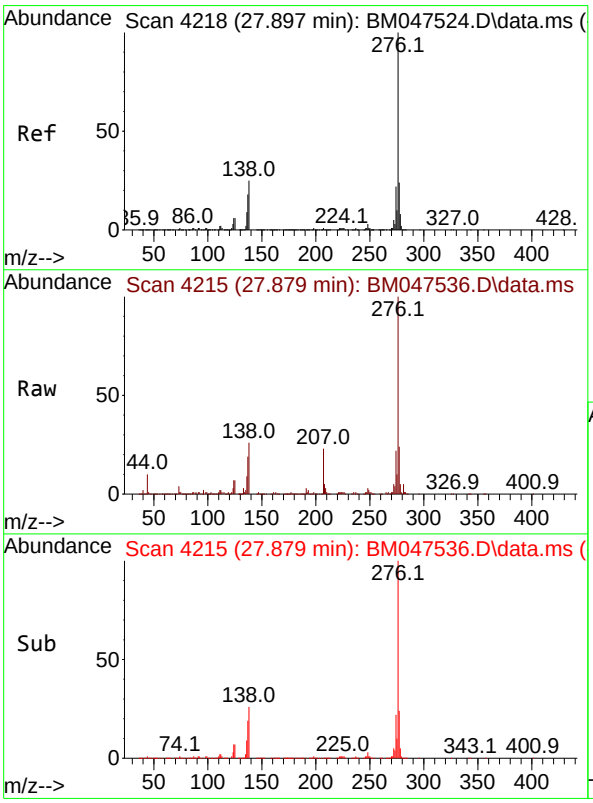
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:264 Resp: 1275889

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.9	17.4	26.2

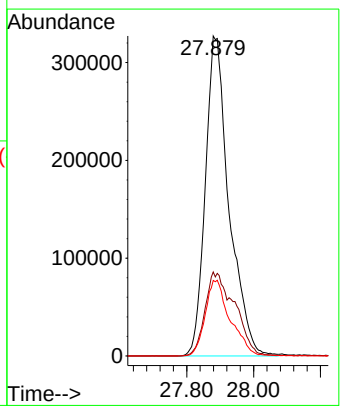


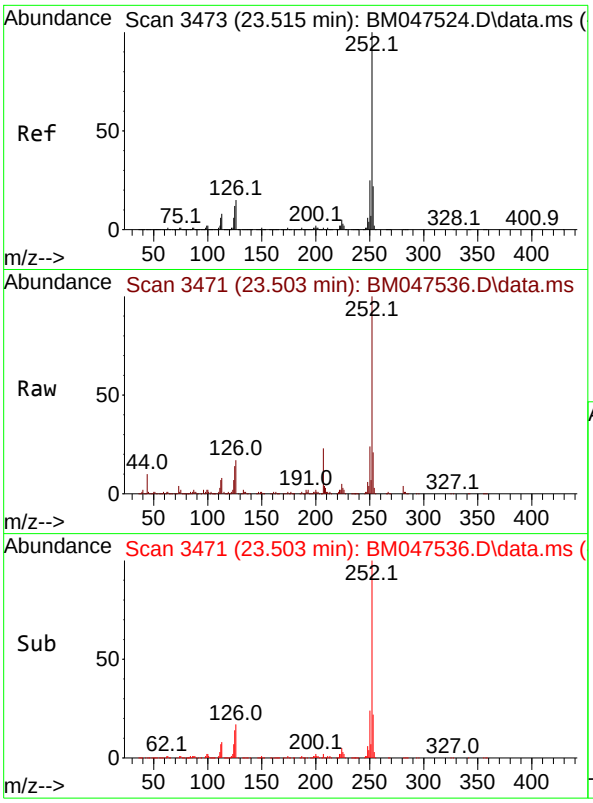


#87
Indeno(1,2,3-cd)pyrene
Concen: 21.132 ng
RT: 27.879 min Scan# 4215
Delta R.T. -0.018 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:276 Resp: 1613527

Ion	Ratio	Lower	Upper
276	100		
138	32.8	25.0	37.6
277	25.0	20.1	30.1



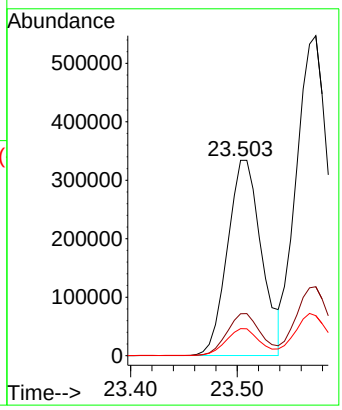


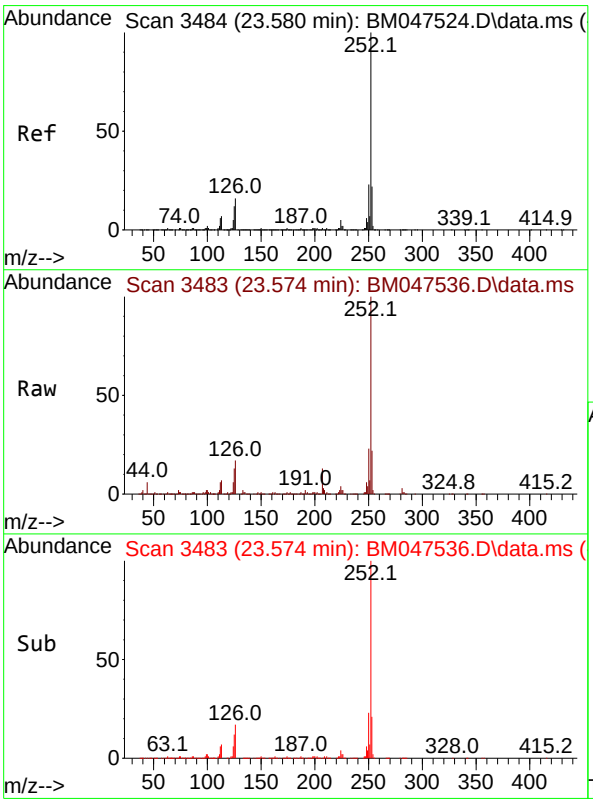
#88
Benzo(b)fluoranthene
Concen: 9.017 ng
RT: 23.503 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:252 Resp: 744359

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	13.8	9.5	14.3

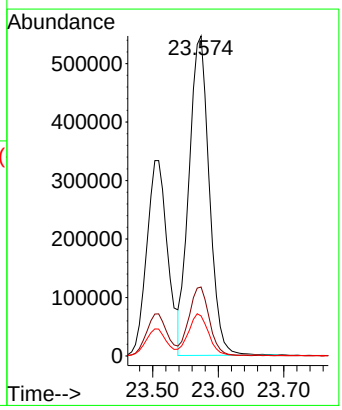


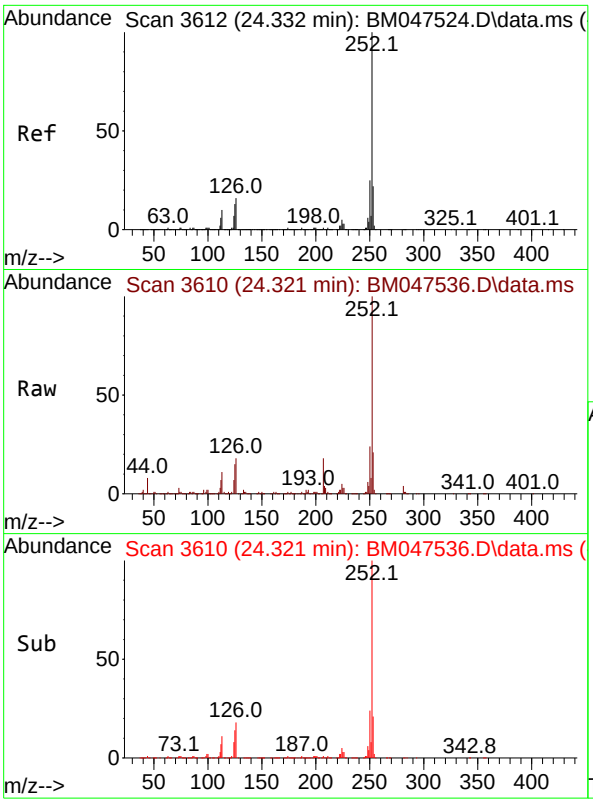


#89
Benzo(k)fluoranthene
Concen: 14.345 ng
RT: 23.574 min Scan# 3483
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:252 Resp: 1173640

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	12.5	9.5	14.3



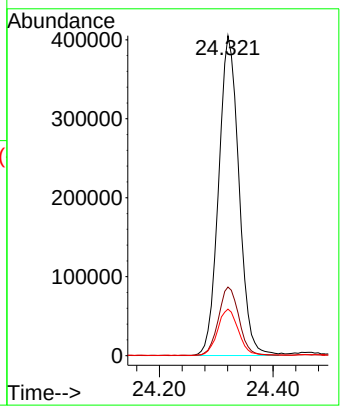


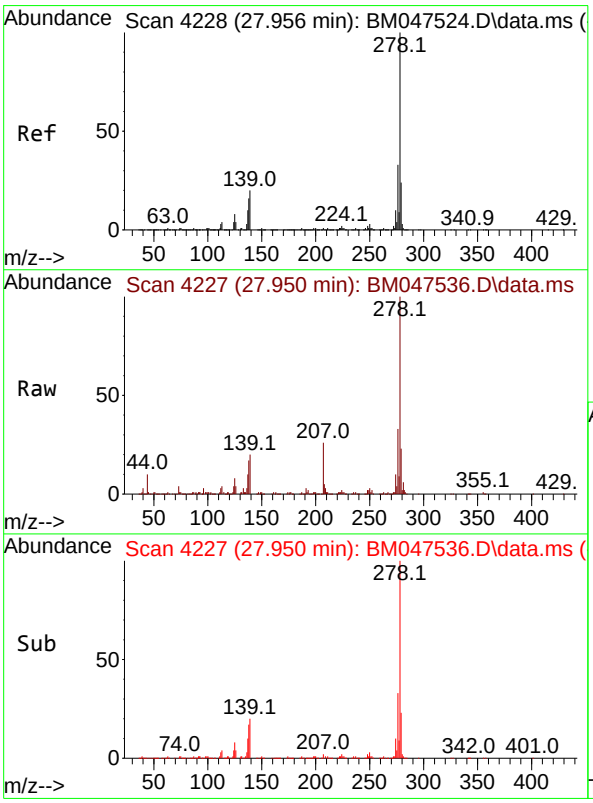
#90
Benzo(a)pyrene
Concen: 14.873 ng
RT: 24.321 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:252 Resp: 1006301

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	14.6	10.2	15.4

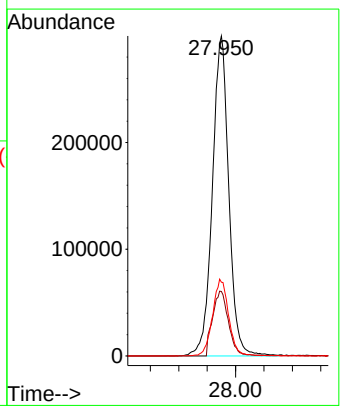


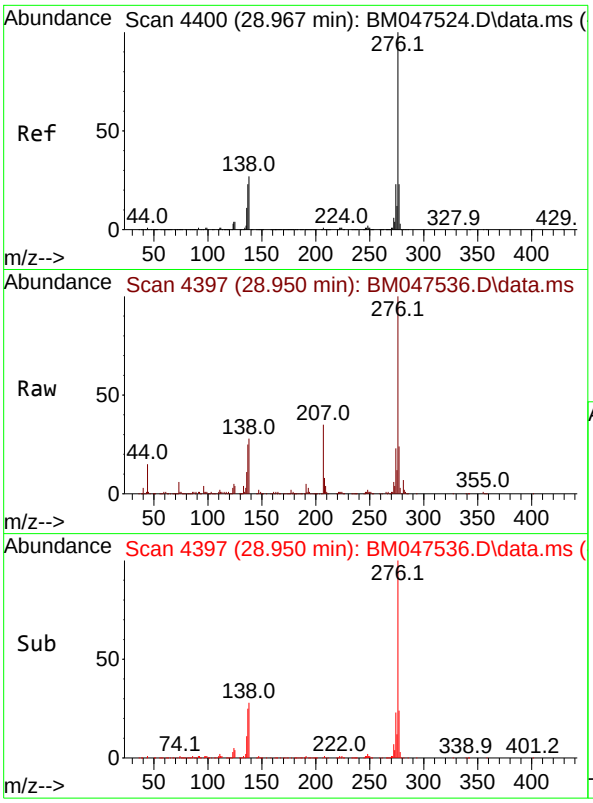


#91
Dibenzo(a,h)anthracene
Concen: 18.734 ng
RT: 27.950 min Scan# 4227
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion:278 Resp: 1203491

Ion	Ratio	Lower	Upper
278	100		
139	20.1	15.9	23.9
279	23.1	19.3	28.9



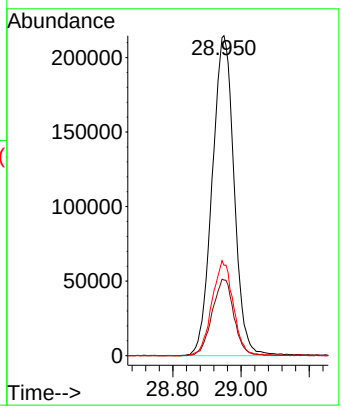


#92
Benzo(g,h,i)perylene
Concen: 15.207 ng
RT: 28.950 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion:276 Resp: 954289

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	28.2	21.5	32.3



CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Sep 15 08:56:37 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047520.D 5 =BM047521.D 10 =BM047522.D 20 =BM047523.D 40 =BM047524.D 50 =BM047525.D 60 =BM047526.D 80 =BM0475
27.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.601	0.559	0.552	0.520	0.506	0.525	0.503	0.538	6.51
3)		Pyridine		1.680	1.592	1.594	1.587	1.559	1.610	1.588	1.601	2.36
4)		n-Nitrosodimet...		0.724	0.730	0.742	0.730	0.717	0.736	0.706	0.727	1.65
5)	S	2-Fluorophenol		1.216	1.208	1.228	1.244	1.245	1.331	1.321	1.256	3.96
6)		Aniline		1.542	1.529	1.565	1.586	1.563	1.605	1.588	1.568	1.71
7)	S	Phenol-d6		1.632	1.623	1.717	1.795	1.809	1.900	1.905	1.769	6.56
8)		2-Chlorophenol		1.338	1.321	1.380	1.395	1.375	1.446	1.438	1.385	3.37
9)		Benzaldehyde		0.923	0.986	0.993	0.837	0.771	0.737	0.642	0.841	15.80
10)	C	Phenol		1.676	1.679	1.747	1.781	1.786	1.870	1.860	1.771	4.37
11)		bis(2-Chloroet...		1.451	1.413	1.426	1.418	1.397	1.436	1.414	1.422	1.23
12)		1,3-Dichlorobe...		1.586	1.512	1.497	1.503	1.467	1.539	1.506	1.516	2.48
13)	C	1,4-Dichlorobe...		1.593	1.535	1.529	1.527	1.507	1.570	1.545	1.544	1.89
14)		1,2-Dichlorobe...		1.545	1.492	1.503	1.507	1.489	1.558	1.541	1.519	1.84
15)		Benzyl Alcohol		1.094	1.097	1.191	1.232	1.230	1.271	1.272	1.198	6.29
16)		2,2'-oxybis(1-...		2.103	2.031	2.065	2.009	1.949	1.957	1.888	2.000	3.71
17)		2-Methylphenol		1.041	1.073	1.128	1.161	1.154	1.186	1.177	1.132	4.85
18)		Hexachloroethane		0.639	0.606	0.627	0.615	0.603	0.622	0.605	0.617	2.16
19)	P	n-Nitroso-di-n...	1.067	1.144	1.154	1.230	1.244	1.233	1.238	1.232	1.193	5.38
20)		3+4-Methylphenols		1.441	1.493	1.591	1.613	1.602	1.652	1.660	1.579	5.19
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.521	0.509	0.519	0.527	0.524	0.548	0.532	0.526	2.30
23)	S	Nitrobenzene-d5		0.387	0.384	0.400	0.406	0.400	0.417	0.403	0.400	2.80
24)		Nitrobenzene		0.409	0.406	0.417	0.413	0.407	0.420	0.402	0.411	1.55
25)		Isophorone		0.671	0.679	0.705	0.711	0.710	0.724	0.716	0.703	2.80
26)	C	2-Nitrophenol		0.105	0.116	0.134	0.147	0.152	0.162	0.164	0.140	16.21
27)		2,4-Dimethylph...		0.208	0.202	0.211	0.210	0.213	0.222	0.220	0.212	3.19
28)		bis(2-Chloroet...		0.448	0.436	0.441	0.441	0.436	0.447	0.440	0.441	1.10
29)	C	2,4-Dichloroph...		0.236	0.243	0.266	0.275	0.280	0.292	0.295	0.269	8.49
30)		1,2,4-Trichlor...		0.313	0.296	0.300	0.302	0.305	0.324	0.320	0.309	3.44
31)		Naphthalene		1.083	1.042	1.056	1.077	1.079	1.122	1.104	1.080	2.49
32)		Benzoic acid			0.125	0.156	0.192	0.207	0.214	0.227	0.187	20.87
33)		4-Chloroaniline		0.382	0.373	0.389	0.393	0.393	0.400	0.403	0.391	2.64
34)	C	Hexachlorobuta...		0.173	0.166	0.167	0.169	0.169	0.178	0.174	0.171	2.68
35)		Caprolactam		0.073	0.079	0.090	0.093	0.093	0.094	0.099	0.089	10.57
36)	C	4-Chloro-3-met...		0.269	0.284	0.305	0.318	0.319	0.329	0.337	0.309	7.99
37)		2-Methylnaphth...		0.683	0.672	0.693	0.726	0.727	0.761	0.770	0.719	5.30
38)		1-Methylnaphth...		0.679	0.670	0.694	0.716	0.728	0.755	0.759	0.714	4.93

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M

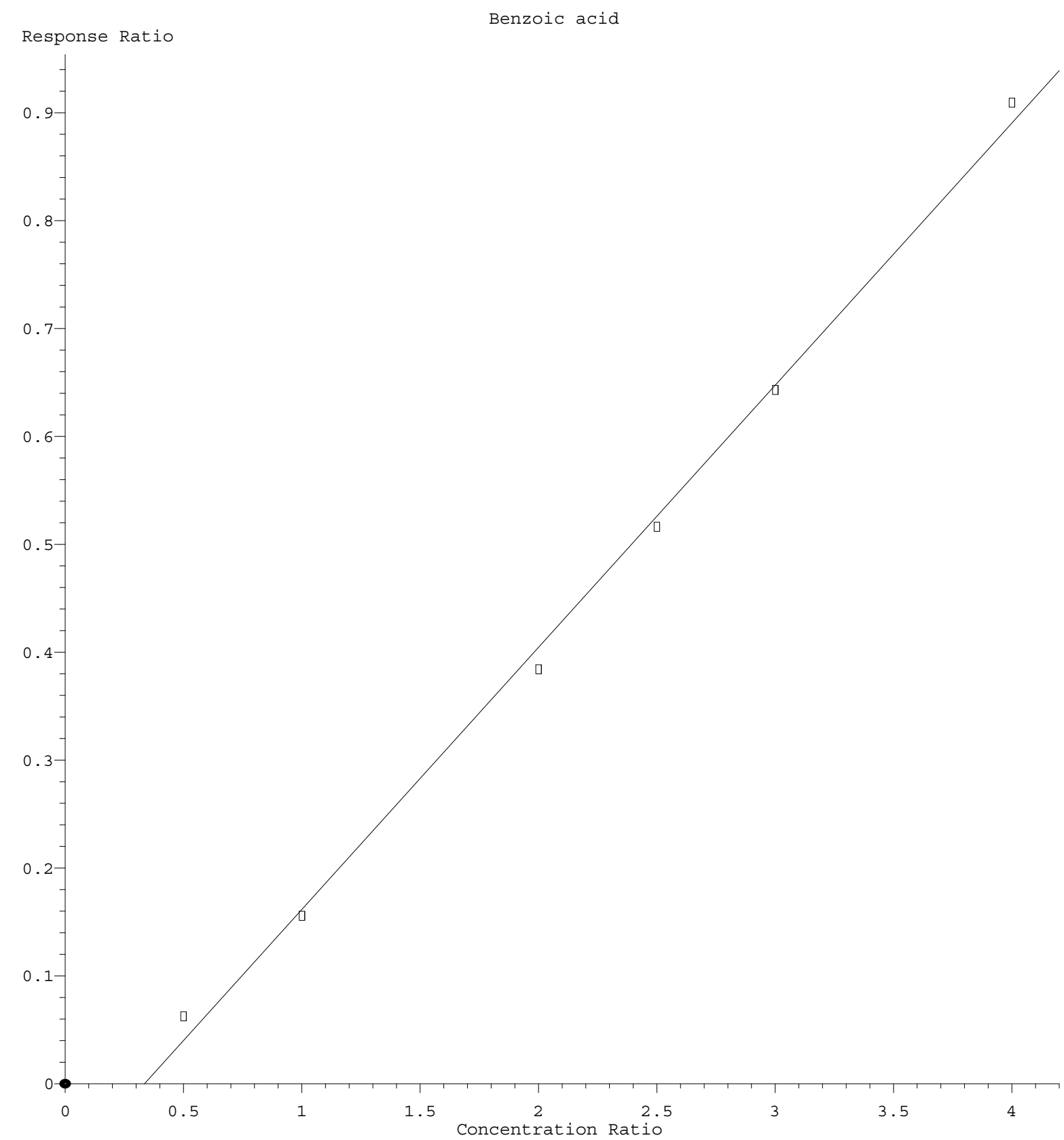
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.505	0.491	0.514	0.547	0.554	0.591	0.586	0.541	7.25
41)	P	Hexachlorocycl...	0.168	0.163	0.168	0.183	0.182	0.194	0.181	0.177	6.22
42)	S	2,4,6-Tribromo...	0.149	0.159	0.177	0.202	0.211	0.218	0.236	0.193	16.72
43)	C	2,4,6-Trichlor...	0.279	0.301	0.325	0.350	0.358	0.380	0.380	0.339	11.47
44)		2,4,5-Trichlor...	0.324	0.345	0.367	0.395	0.403	0.420	0.427	0.383	10.18
45)	S	2-Fluorobiphenyl	1.331	1.295	1.385	1.515	1.523	1.608	1.506	1.452	7.96
46)		1,1'-Biphenyl	1.498	1.446	1.490	1.571	1.584	1.672	1.631	1.556	5.24
47)		2-Chloronaphth...	1.157	1.137	1.169	1.218	1.234	1.291	1.252	1.208	4.64
48)		2-Nitroaniline	0.282	0.314	0.355	0.376	0.380	0.391	0.387	0.355	11.72
49)		Acenaphthylene	1.607	1.598	1.682	1.788	1.792	1.872	1.868	1.744	6.62
50)		Dimethylphthalate	1.316	1.308	1.336	1.372	1.376	1.403	1.431	1.363	3.34
51)		2,6-Dinitrotol...	0.241	0.267	0.285	0.297	0.300	0.308	0.317	0.288	9.07
52)	C	Acenaphthene	1.108	1.111	1.162	1.247	1.267	1.322	1.335	1.222	7.77
53)		3-Nitroaniline	0.263	0.284	0.316	0.336	0.339	0.344	0.356	0.320	10.72
54)	P	2,4-Dinitrophenol		0.079	0.103	0.128	0.135	0.143	0.162	0.125	23.80
55)		Dibenzofuran	1.659	1.609	1.655	1.734	1.743	1.808	1.810	1.717	4.55
56)	P	4-Nitrophenol	0.195	0.231	0.263	0.282	0.284	0.286	0.301	0.263	14.17
57)		2,4-Dinitrotol...	0.302	0.338	0.378	0.408	0.409	0.413	0.440	0.384	12.64
58)		Fluorene	1.350	1.378	1.506	1.630	1.642	1.669	1.645	1.546	8.74
59)		2,3,4,6-Tetrac...	0.259	0.271	0.284	0.306	0.313	0.322	0.335	0.299	9.36
60)		Diethylphthalate	1.358	1.374	1.435	1.482	1.473	1.485	1.548	1.451	4.60
61)		4-Chlorophenyl...	0.616	0.625	0.683	0.744	0.745	0.768	0.766	0.707	9.24
62)		4-Nitroaniline	0.276	0.315	0.377	0.420	0.417	0.408	0.419	0.376	15.46
63)		Azobenzene	1.526	1.559	1.620	1.654	1.619	1.608	1.596	1.597	2.66
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.061	0.077	0.091	0.097	0.106	0.112	0.091	20.89
66)	c	n-Nitrosodiphe...	0.558	0.546	0.590	0.632	0.633	0.677	0.646	0.612	7.92
67)		4-Bromophenyl-...	0.176	0.170	0.183	0.197	0.201	0.218	0.215	0.194	9.65
68)		Hexachlorobenzene	0.210	0.196	0.206	0.222	0.224	0.243	0.239	0.220	7.80
69)		Atrazine	0.149	0.155	0.169	0.178	0.174	0.179	0.180	0.169	7.50
70)	C	Pentachlorophenol	0.090	0.101	0.121	0.136	0.140	0.150	0.157	0.128	19.62
71)		Phenanthrene	1.037	0.999	1.054	1.134	1.131	1.197	1.163	1.102	6.60
72)		Anthracene	0.948	0.939	1.021	1.104	1.102	1.169	1.130	1.059	8.55
73)		Carbazole	0.942	0.946	1.015	1.090	1.085	1.126	1.142	1.049	7.87
74)		Di-n-butylphth...	1.064	1.097	1.238	1.340	1.349	1.352	1.351	1.256	10.09
75)	C	Fluoranthene	1.036	1.044	1.149	1.281	1.276	1.283	1.347	1.203	10.45
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.303	0.320	0.312	0.253	0.265	0.236		0.282	12.38
78)		Pyrene	1.327	1.317	1.353	1.494	1.564	1.672	1.486	1.459	9.15
79)	S	Terphenyl-d14	0.989	1.037	1.142	1.256	1.239	1.262	0.888	1.116	13.24
80)		Butylbenzylpht...	0.433	0.474	0.540	0.588	0.604	0.627	0.665	0.562	14.93
81)		Benzo(a)anthra...	1.245	1.220	1.286	1.333	1.325	1.374	1.343	1.304	4.28
82)		3,3'-Dichlorob...	0.297	0.326	0.358	0.362	0.356	0.360	0.369	0.347	7.47
83)		Chrysene	1.196	1.178	1.201	1.254	1.250	1.293	1.260	1.233	3.38
84)		Bis(2-ethylhex...	0.663	0.761	0.854	0.928	0.947	0.969	1.035	0.880	14.73
85)	c	Di-n-octyl pht...	0.873	1.043	1.243	1.301	1.309	1.392	1.550	1.244	18.01

Response Factor Report BNA_M

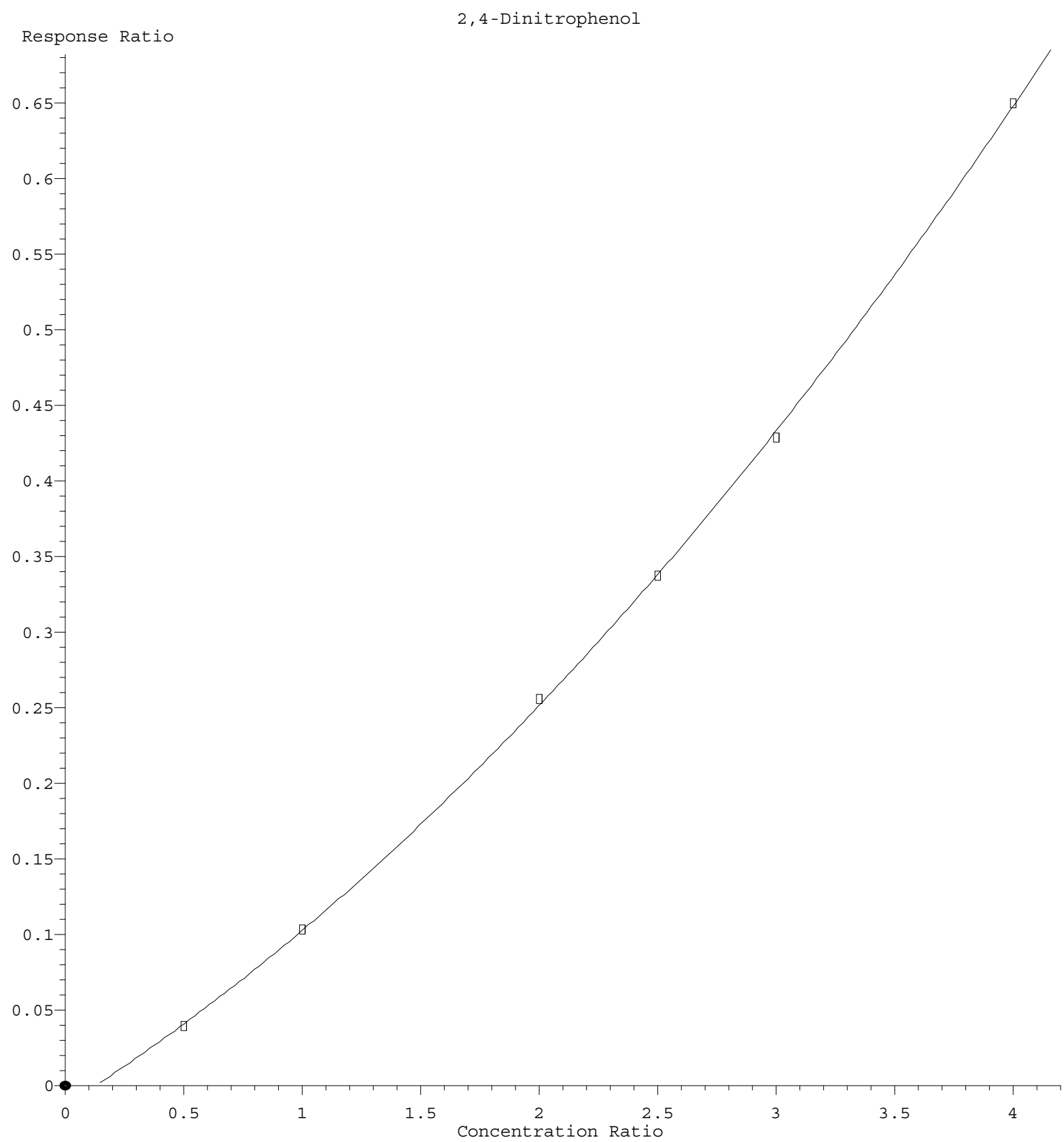
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.079	1.075	1.152	1.184	1.238	1.417	1.233	1.197	9.79
88)		Benzo(b)fluora...	1.120	1.142	1.236	1.340	1.381	1.407	1.432	1.294	9.89
89)		Benzo(k)fluora...	1.113	1.131	1.212	1.364	1.351	1.383	1.424	1.282	9.97
90)	C	Benzo(a)pyrene	0.906	0.941	1.018	1.098	1.114	1.177	1.171	1.061	10.20
91)		Dibenzo(a,h)an...	0.894	0.894	0.964	0.994	1.047	1.198	1.058	1.007	10.58
92)		Benzo(g,h,i)pe...	0.917	0.883	0.940	0.968	1.018	1.171	0.988	0.984	9.57

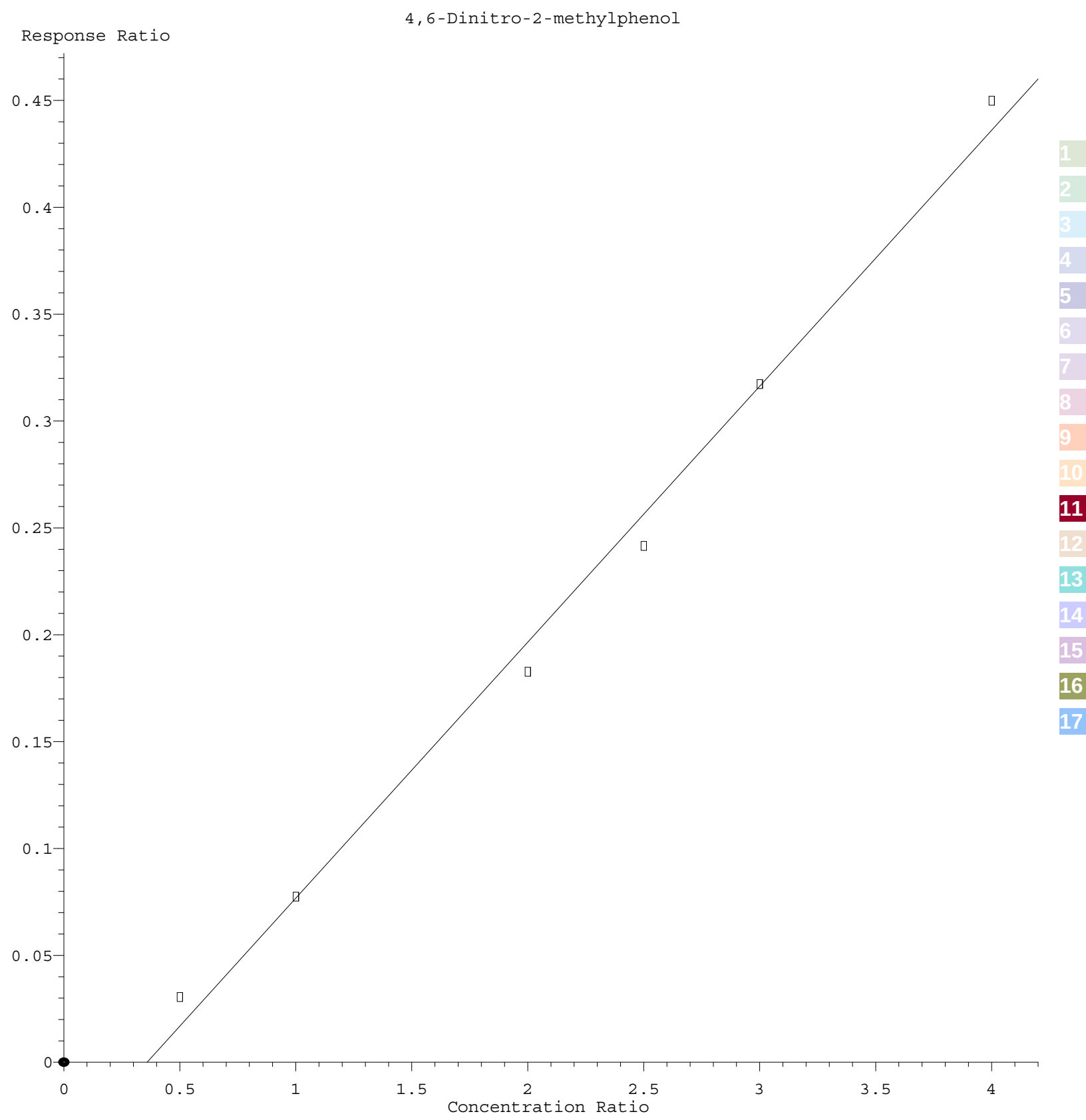
(#) = Out of Range



Response = 2.430e-001 * Amt - 8.140e-002
Coef of Det (r^2) = 0.997113 Curve Fit: Linear
Method: \\chemsrv\HPCHEM1\BNA M\Methods\8270-BM091424.M
Calibration Table Last Updated: Sun Sep 15 08:56:37 2024



R = 1.652e-002 A*A + 9.915e-002 A - 1.295e-002
Coef of Det (r^2) = 0.999816 Curve Fit: Quadratic
Method: NSWC\\hpchemsrv\HPCHEM1\BNA M\Methods\8270-BM091424.M
Calibration Table Last Updated: Sun Sep 15 08:56:37 2024



Response = 1.198e-001 * Amt - 4.295e-002
Coef of Det (r^2) = 0.993448 Curve Fit: Linear
Method: \\chrom-nsv-srv\HPCHEM1\BNA M\Methods\8270-BM091424.M
Calibration Table Last Updated: Sun Sep 15 08:56:37 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047520.D
Acq On : 14 Sep 2024 11:57
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration

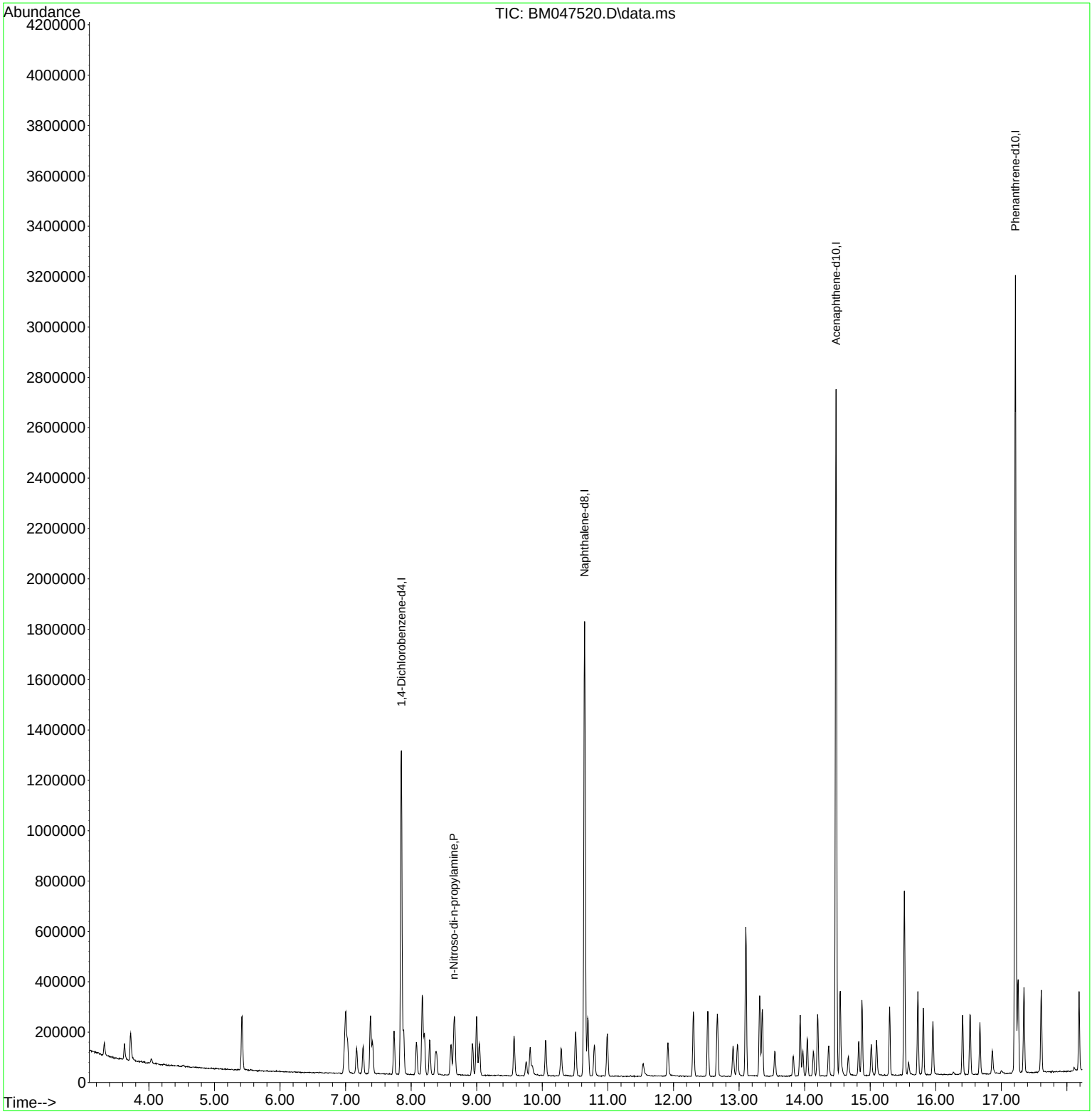
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	331818	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1431277	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	860230	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1698459	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1448703	20.000	ng	0.00
86) Perylene-d12	24.468	264	1514067	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...	8.651	70	44249	2.927	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047520.D
Acq On : 14 Sep 2024 11:57
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

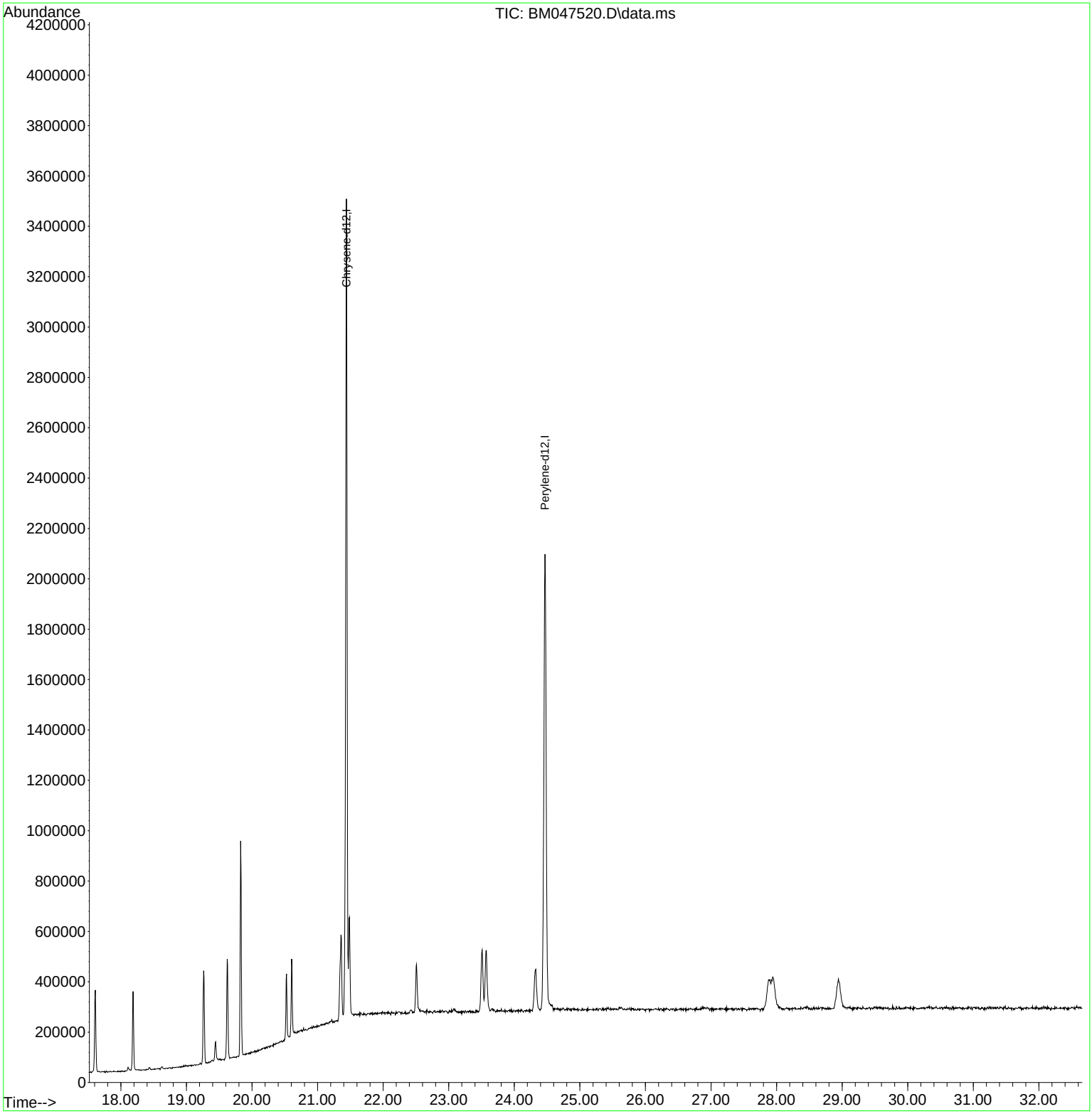
Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration

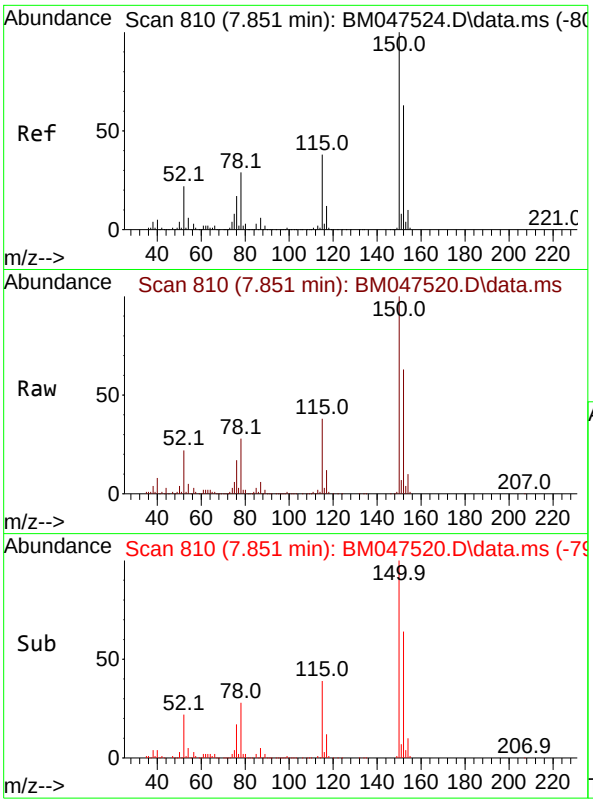


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047520.D
Acq On : 14 Sep 2024 11:57
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration



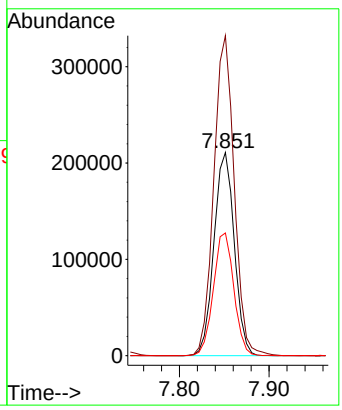


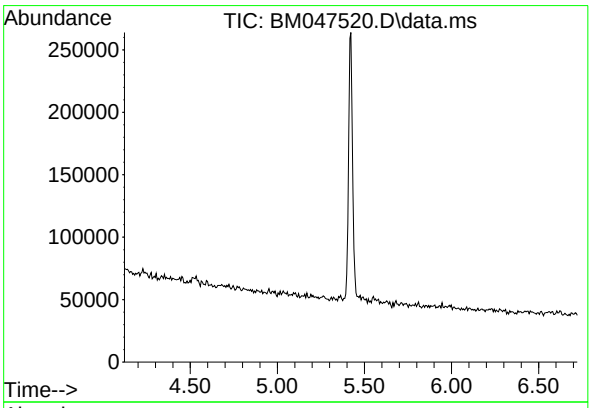
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 331818

Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.8	190.2
115	60.4	47.8	71.8



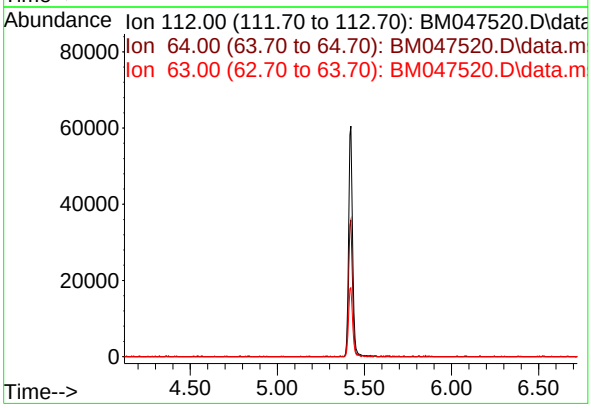


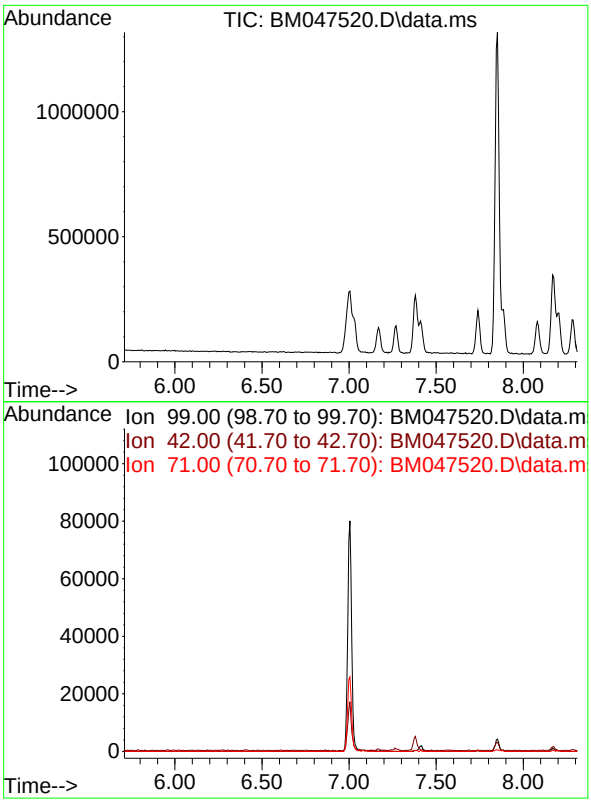
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.42 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.3
63	32.5





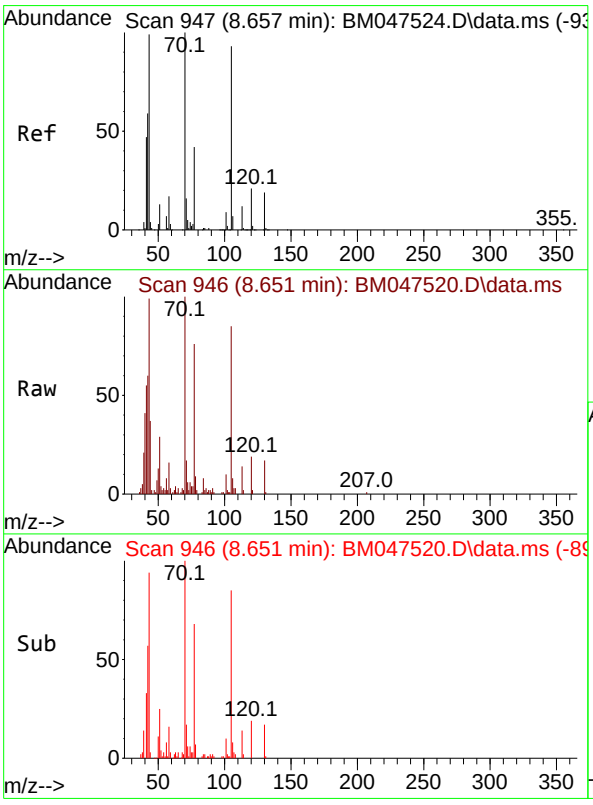
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.01 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

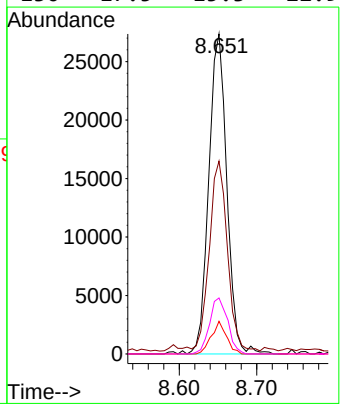
Sig	Exp Ratio
99	100
42	19.8
71	34.5

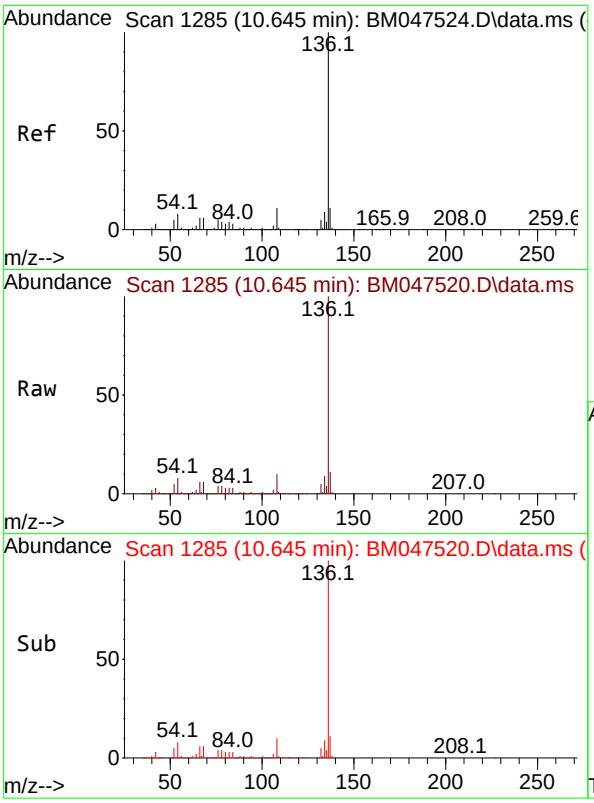


#19
n-Nitroso-di-n-propylamine
Concen: 2.927 ng
RT: 8.651 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 70 Resp: 44249

Ion	Ratio	Lower	Upper
70	100		
42	60.3	48.2	72.2
101	10.2	7.0	10.4
130	17.5	15.3	22.9



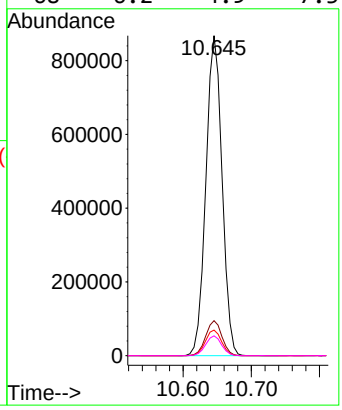


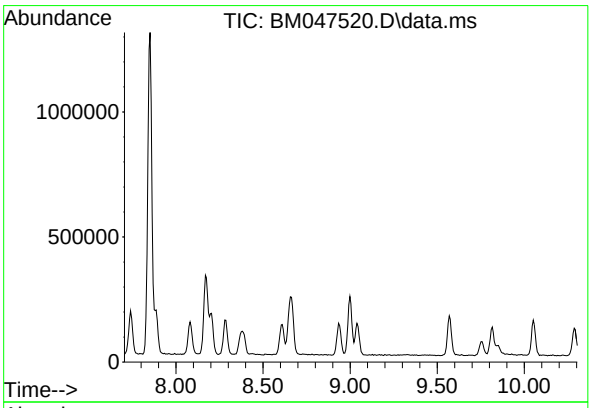
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1431277

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	8.0	6.6	9.8
68	6.2	4.9	7.3



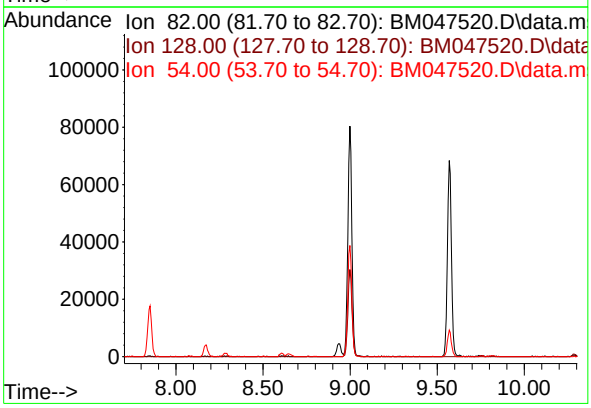


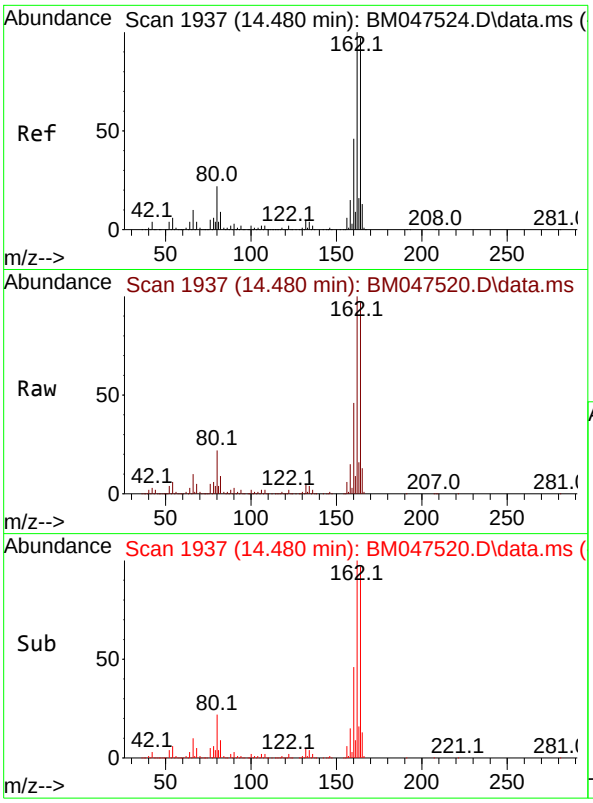
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.00 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.2
54	49.1



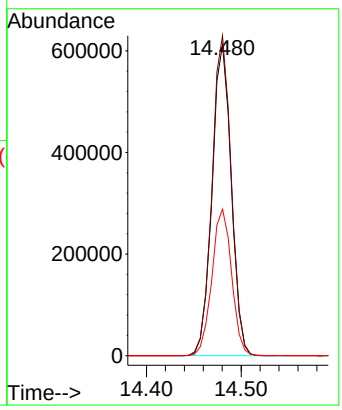


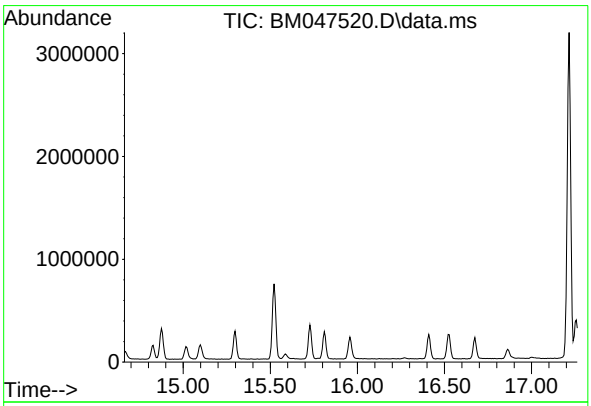
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 860230

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	47.1	38.2	57.2



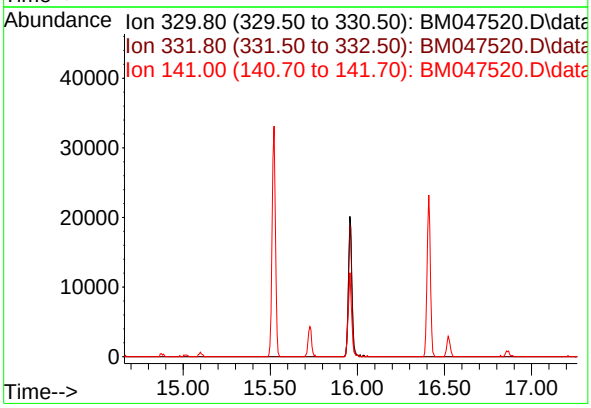


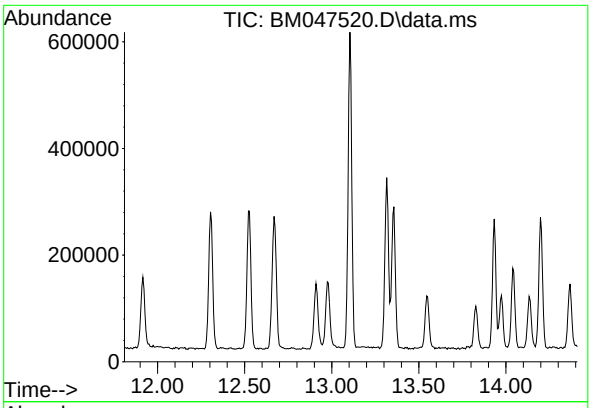
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.96 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	52.7





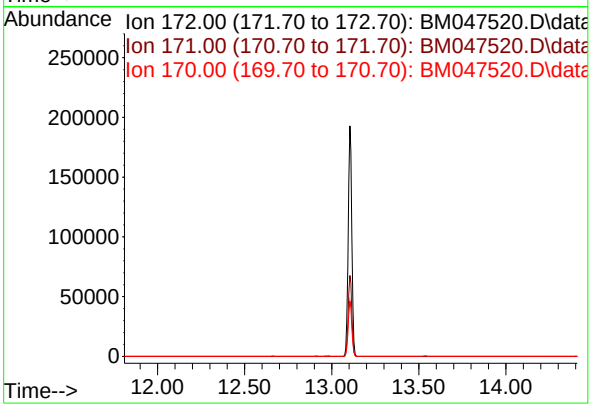
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.11 min

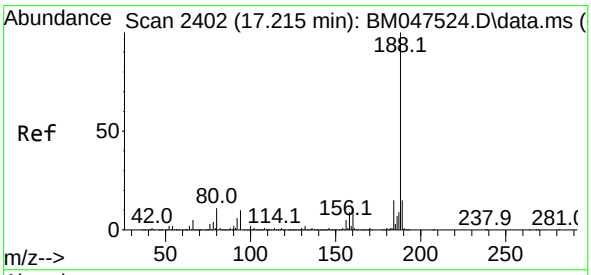
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.2
170	24.2

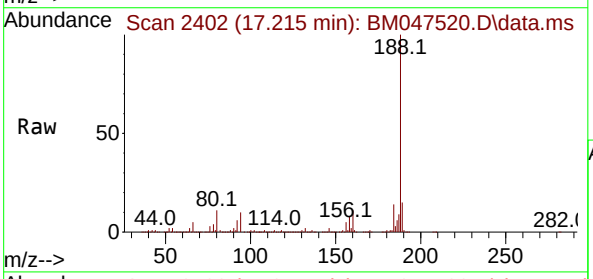


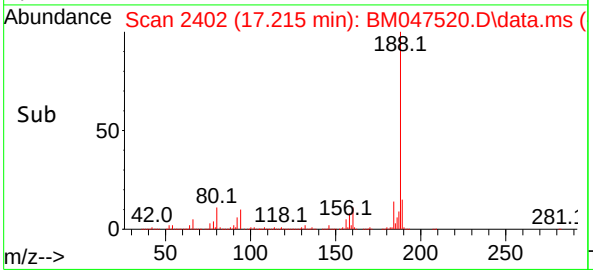


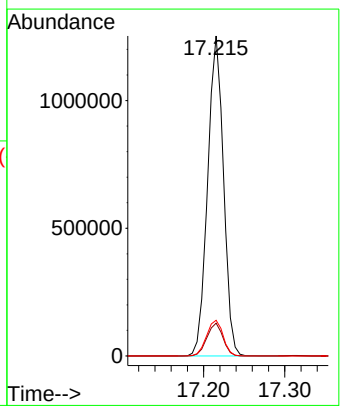
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

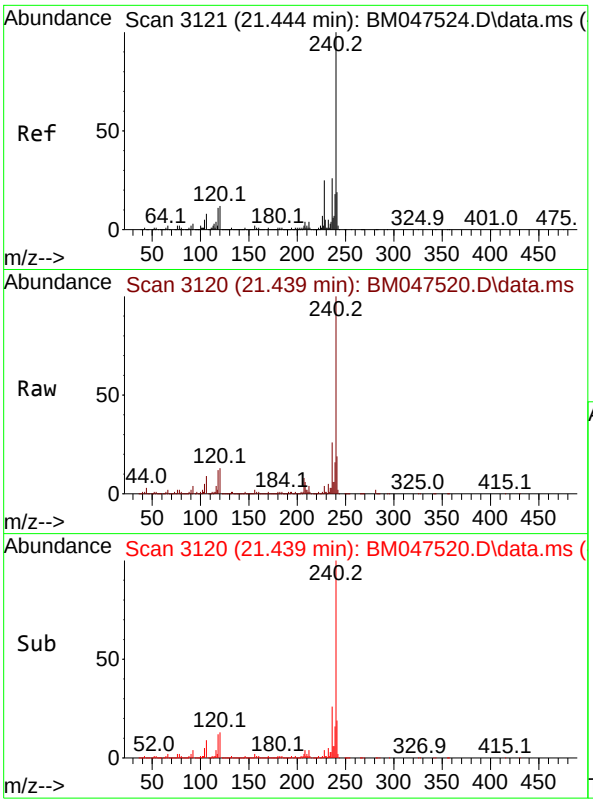
Tgt Ion:188 Resp: 1698459

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	11.1	9.1	13.7







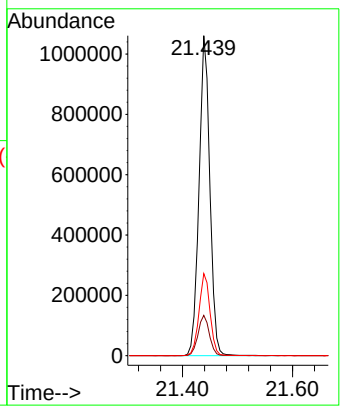


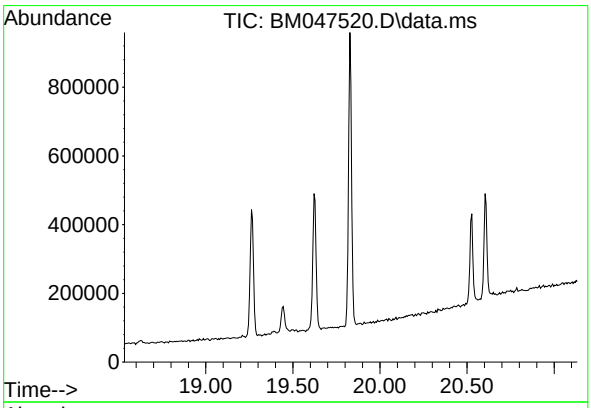
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1448703

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.6	14.4
236	25.7	20.9	31.3



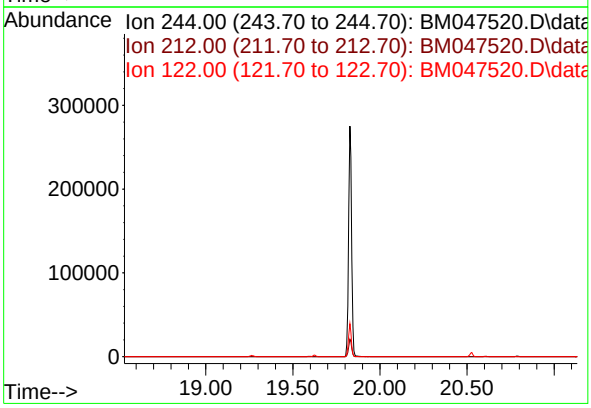


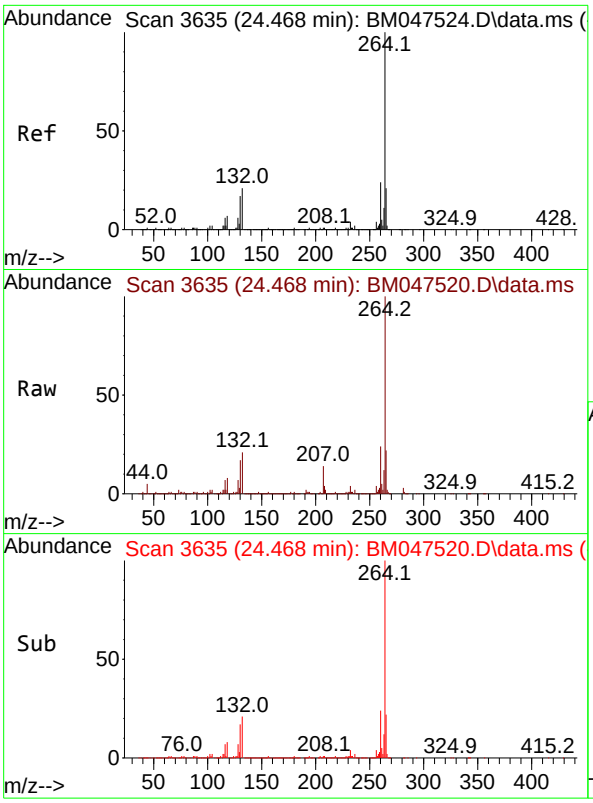
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.83 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.7
122	12.0



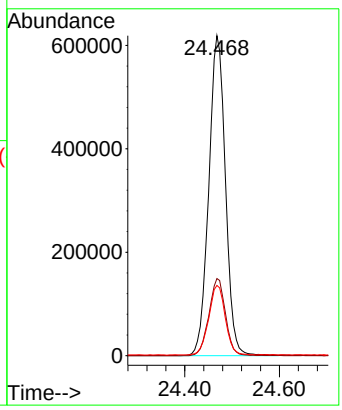


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1514067

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	21.9	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.851	152	321996	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1379603	20.000	ng		0.00
39) Acenaphthene-d10	14.480	164	831511	20.000	ng		0.00
64) Phenanthrene-d10	17.215	188	1584025	20.000	ng		0.00
76) Chrysene-d12	21.439	240	1296933	20.000	ng		0.00
86) Perylene-d12	24.468	264	1269114	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	195707	9.677	ng		0.00
7) Phenol-d6	7.004	99	262753	9.226	ng		0.00
23) Nitrobenzene-d5	8.998	82	266891	9.682	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	61801	7.689	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	553330	9.167	ng		0.00
79) Terphenyl-d14	19.827	244	641133	8.858	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	48363	5.583	ng		99
3) Pyridine	3.722	79	135214	5.246	ng		98
4) n-Nitrosodimethylamine	3.628	42	58259	4.980	ng	#	94
6) Aniline	7.169	93	124093	4.915	ng		95
8) 2-Chlorophenol	7.410	128	107673	4.830	ng		100
9) Benzaldehyde	6.981	77	74318m	5.488	ng		
10) Phenol	7.028	94	134938	4.732	ng		99
11) bis(2-Chloroethyl)ether	7.269	93	116791	5.101	ng		97
12) 1,3-Dichlorobenzene	7.739	146	127671	5.232	ng		99
13) 1,4-Dichlorobenzene	7.887	146	128270	5.161	ng		99
14) 1,2-Dichlorobenzene	8.204	146	124358	5.084	ng		99
15) Benzyl Alcohol	8.081	79	88090	4.566	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.381	45	169328	5.258	ng		99
17) 2-Methylphenol	8.286	107	83775	4.599	ng		98
18) Hexachloroethane	8.934	117	51435	5.180	ng		97
19) n-Nitroso-di-n-propyla...	8.651	70	92114	4.797	ng		98
20) 3+4-Methylphenols	8.610	107	115966	4.562	ng		97
22) Acetophenone	8.663	105	179648	4.953	ng	#	98
24) Nitrobenzene	9.039	77	141172	4.984	ng		98
25) Isophorone	9.569	82	231598	4.779	ng		99
26) 2-Nitrophenol	9.757	139	36202	3.750	ng		96
27) 2,4-Dimethylphenol	9.816	122	71581	4.892	ng		99
28) bis(2-Chloroethoxy)met...	10.051	93	154543	5.077	ng		99
29) 2,4-Dichlorophenol	10.286	162	81375	4.377	ng		98
30) 1,2,4-Trichlorobenzene	10.510	180	108051	5.074	ng		97
31) Naphthalene	10.692	128	373399	5.011	ng		100
33) 4-Chloroaniline	10.798	127	131738	4.890	ng		98
34) Hexachlorobutadiene	10.992	225	59813	5.071	ng		96
35) Caprolactam	11.539	113	25064	4.093	ng		97
36) 4-Chloro-3-methylphenol	11.916	107	92624	4.348	ng		98
37) 2-Methylnaphthalene	12.304	142	235563	4.750	ng		95
38) 1-Methylnaphthalene	12.527	142	234130	4.751	ng		99
40) 1,2,4,5-Tetrachloroben...	12.674	216	104928	4.663	ng		100
41) Hexachlorocyclopentadiene	12.663	237	34913	4.746	ng		96
43) 2,4,6-Trichlorophenol	12.910	196	58063	4.119	ng		94
44) 2,4,5-Trichlorophenol	12.980	196	67320	4.228	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.316	154	311366	4.813	ng		99
47) 2-Chloronaphthalene	13.357	162	240529	4.788	ng		99
48) 2-Nitroaniline	13.545	65	58576	3.970	ng		94
49) Acenaphthylene	14.198	152	333972	4.607	ng		100
50) Dimethylphthalate	13.933	163	273466	4.825	ng		100
51) 2,6-Dinitrotoluene	14.045	165	50163	4.193	ng		95
52) Acenaphthene	14.545	154	230339	4.535	ng		98
53) 3-Nitroaniline	14.368	138	54733	4.116	ng		95
55) Dibenzofuran	14.874	168	344857	4.832	ng		99
56) 4-Nitrophenol	14.668	139	40611	3.711	ng		95
57) 2,4-Dinitrotoluene	14.827	165	62726	3.931	ng		99
58) Fluorene	15.521	166	280576	4.366	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	53816	4.335	ng		99
60) Diethylphthalate	15.298	149	282348	4.681	ng		100
61) 4-Chlorophenyl-phenyle...	15.521	204	128033	4.357	ng		97
62) 4-Nitroaniline	15.521	138	57319	3.667	ng		93
63) Azobenzene	15.810	77	317260	4.777	ng		98
66) n-Nitrosodiphenylamine	15.727	169	220922	4.559	ng		98
67) 4-Bromophenyl-phenylether	16.409	248	69853	4.538	ng		96
68) Hexachlorobenzene	16.527	284	83017	4.761	ng		98
69) Atrazine	16.674	200	58829	4.392	ng		97
70) Pentachlorophenol	16.862	266	35549	3.517	ng		96
71) Phenanthrene	17.256	178	410689	4.705	ng		99
72) Anthracene	17.345	178	375320	4.475	ng		99
73) Carbazole	17.609	167	373067	4.488	ng		99
74) Di-n-butylphthalate	18.186	149	421371	4.237	ng		99
75) Fluoranthene	19.262	202	410366	4.309	ng		98
77) Benzidine	19.445	184	98351	5.384	ng		99
78) Pyrene	19.621	202	430172	4.547	ng		99
80) Butylbenzylphthalate	20.521	149	140365	3.854	ng		96
81) Benzo(a)anthracene	21.421	228	403637	4.775	ng		98
82) 3,3'-Dichlorobenzidine	21.339	252	96171	4.277	ng	#	99
83) Chrysene	21.480	228	387917	4.851	ng		99
84) Bis(2-ethylhexyl)phtha...	21.356	149	214900	3.767	ng	#	97
85) Di-n-octyl phthalate	22.503	149	282914	3.506	ng		97
87) Indeno(1,2,3-cd)pyrene	27.879	276	342325	4.507	ng	#	89
88) Benzo(b)fluoranthene	23.509	252	355488	4.329	ng		98
89) Benzo(k)fluoranthene	23.568	252	353260	4.341	ng		98
90) Benzo(a)pyrene	24.321	252	287300	4.269	ng		97
91) Dibenzo(a,h)anthracene	27.938	278	283784	4.441	ng		99
92) Benzo(g,h,i)perylene	28.938	276	290923	4.661	ng		98

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

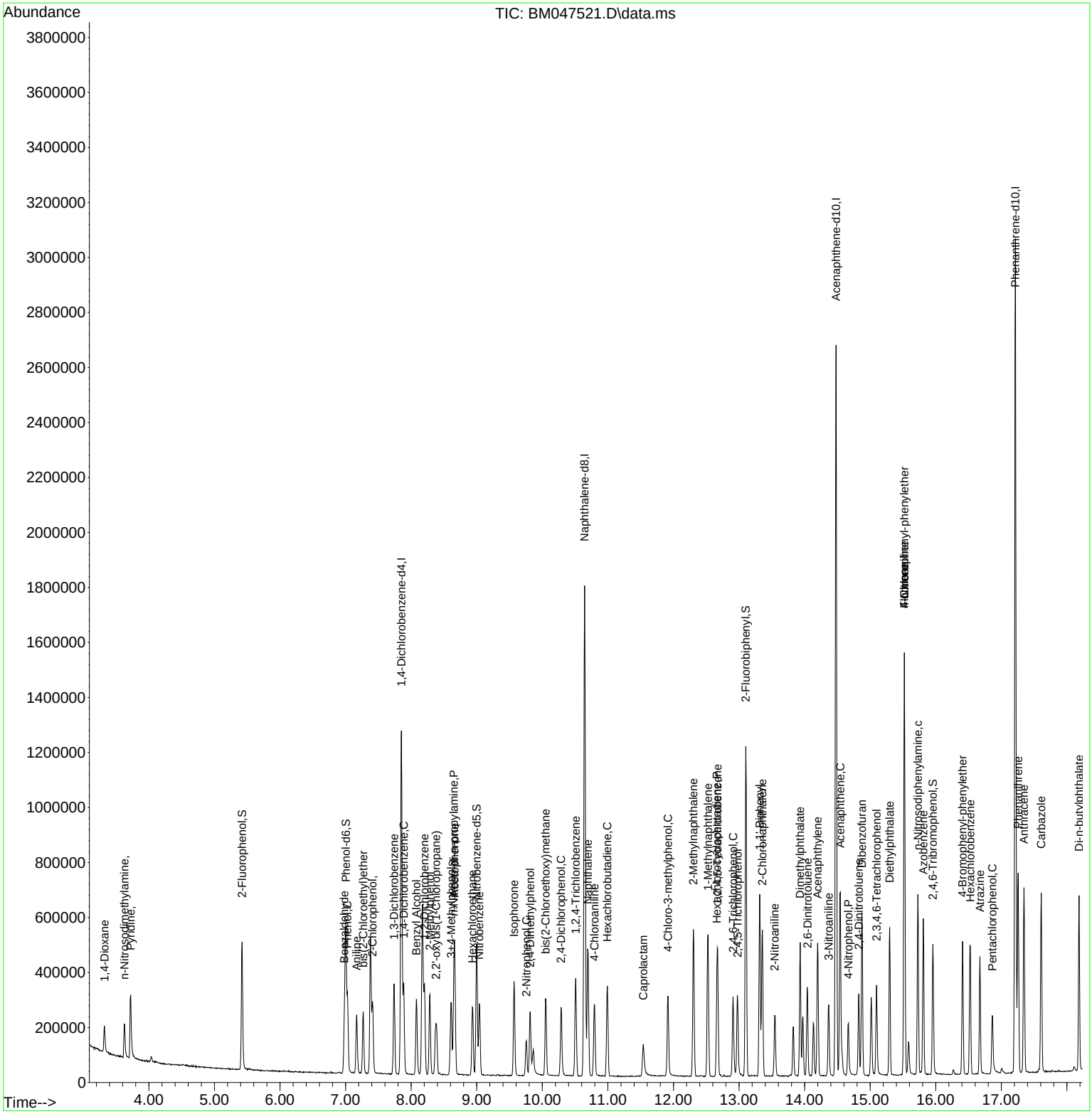
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
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Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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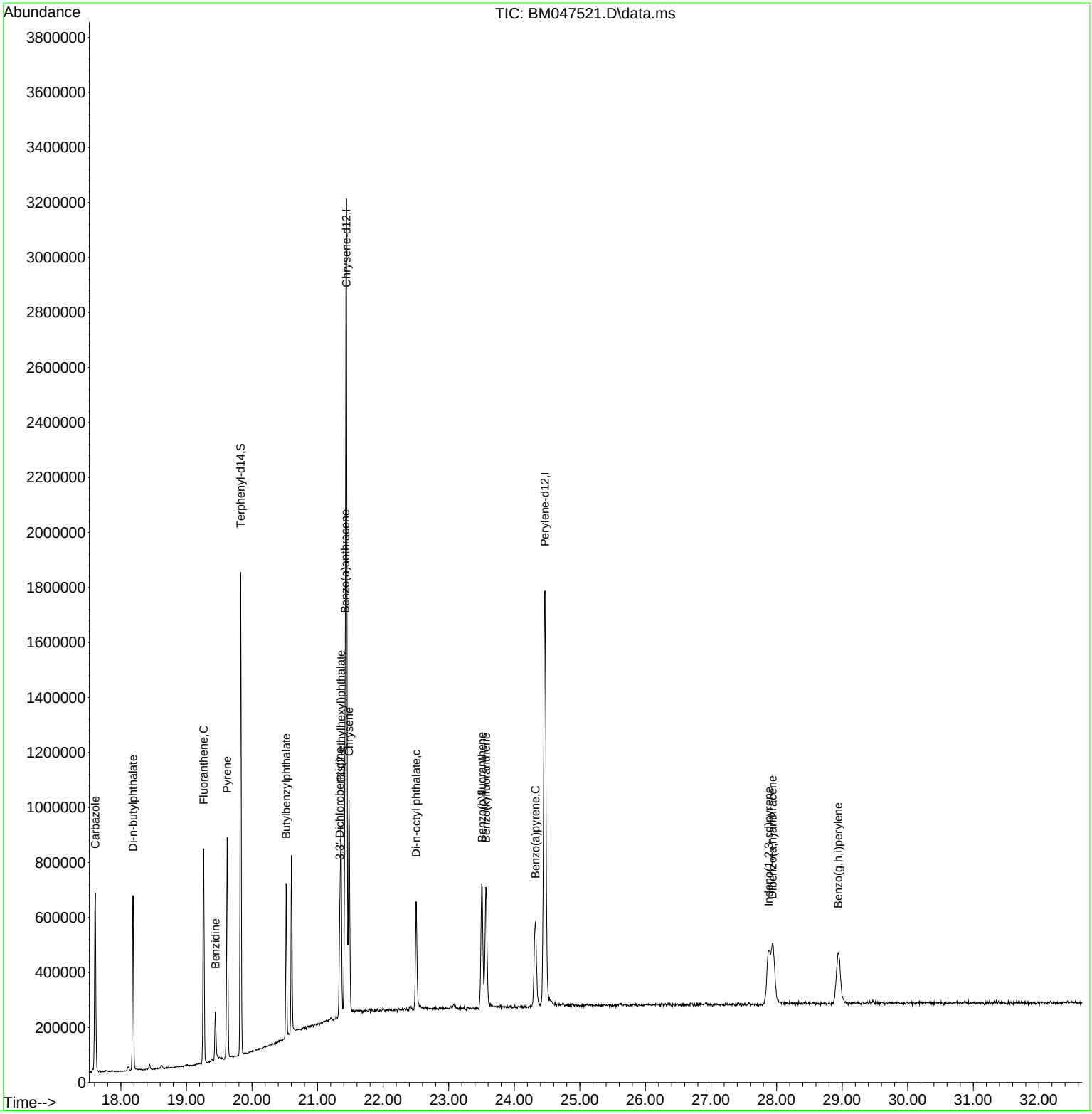
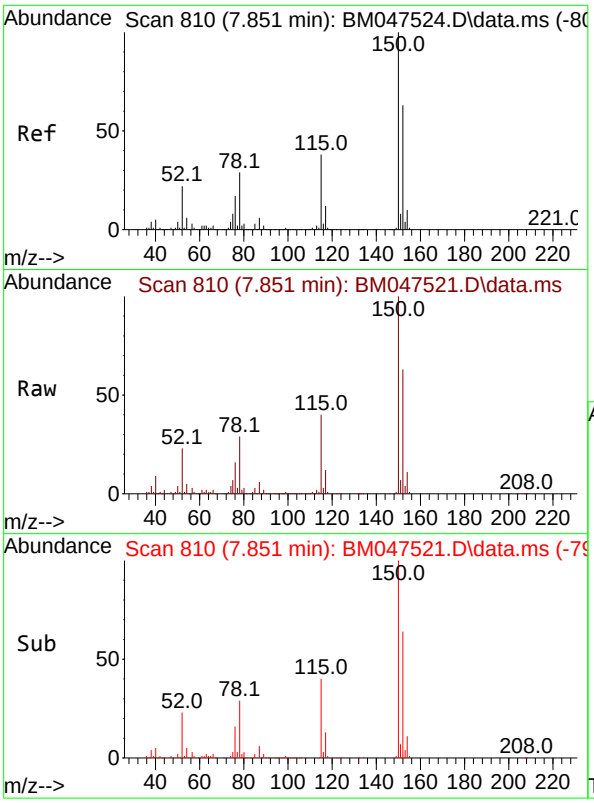
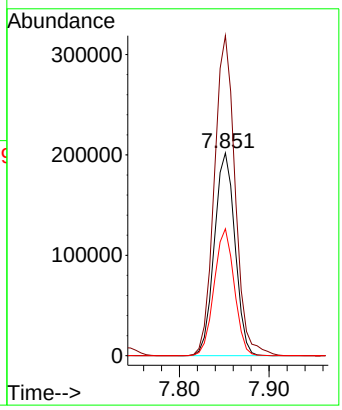




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:152 Resp: 32199

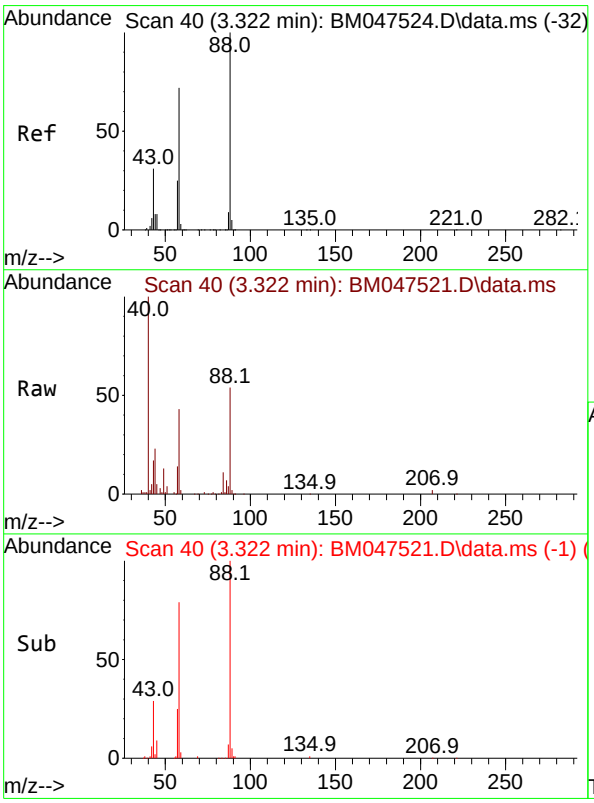
Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.8	190.2
115	62.5	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

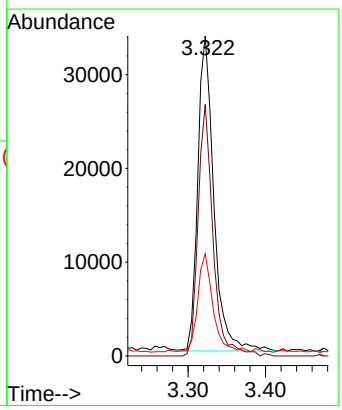
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

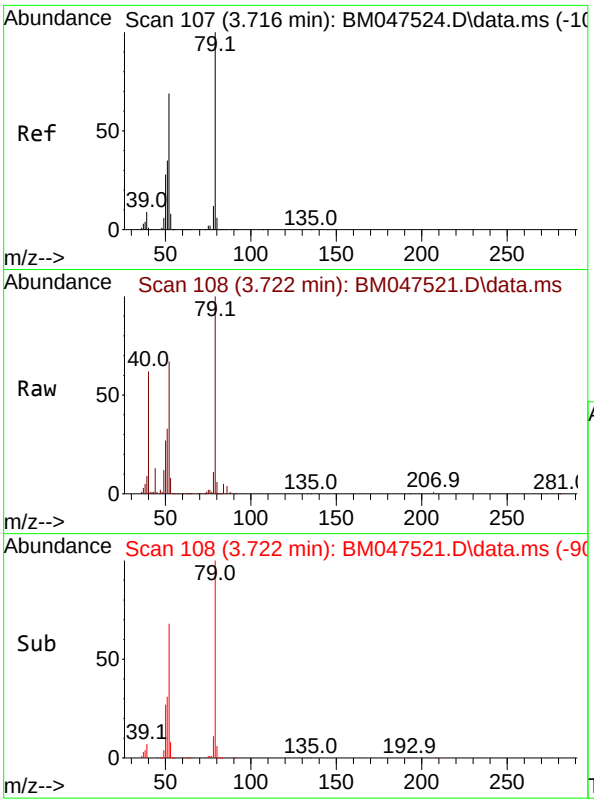


#2
1,4-Dioxane
Concen: 5.583 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 88 Resp: 48363

Ion	Ratio	Lower	Upper
88	100		
58	74.2	59.0	88.6
43	29.3	25.0	37.4





#3
Pyridine
Concen: 5.246 ng
RT: 3.722 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

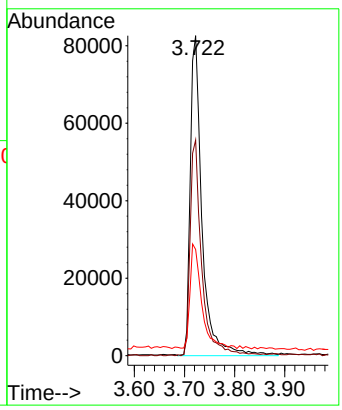
Tgt Ion: 79 Resp: 13521

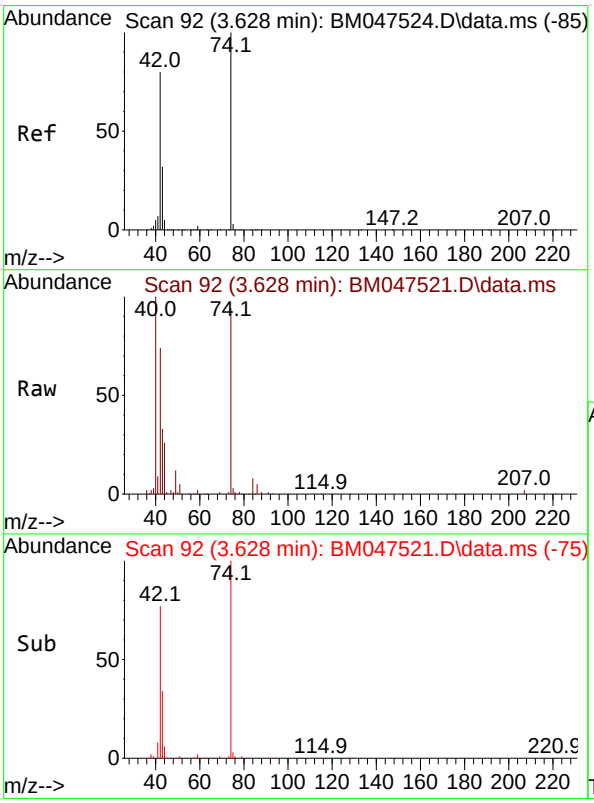
Ion	Ratio	Lower	Upper
79	100		
52	67.4	55.4	83.0
51	33.2	27.9	41.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

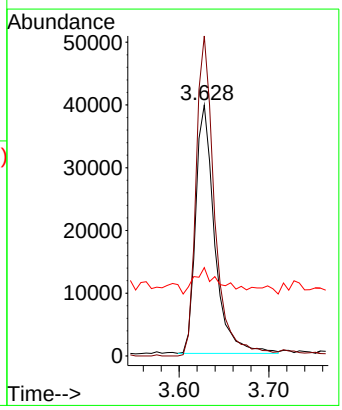


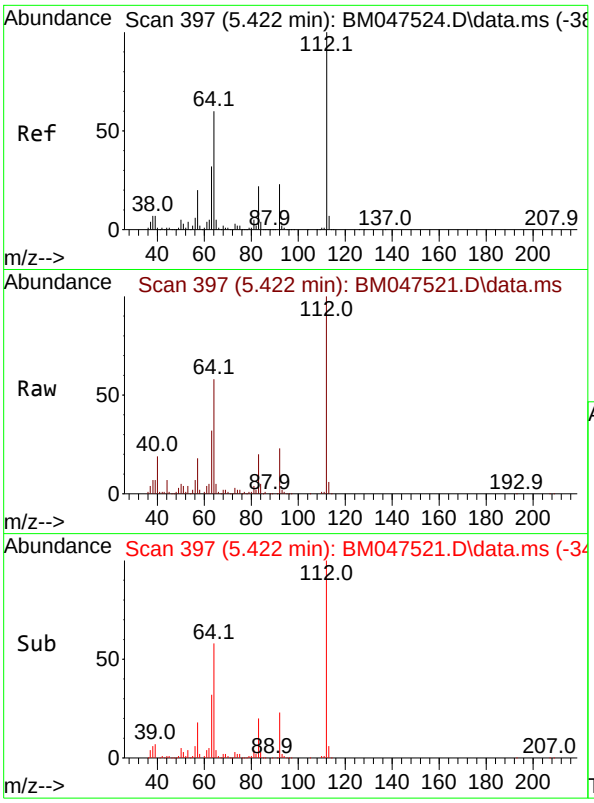


#4
n-Nitrosodimethylamine
Concen: 4.980 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 42 Resp: 58259

Ion	Ratio	Lower	Upper
42	100		
74	127.5	100.5	150.7
44	35.2	6.9	10.3#

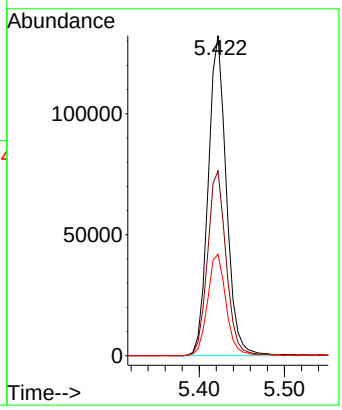




#5
2-Fluorophenol
Concen: 9.677 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:112 Resp: 19570

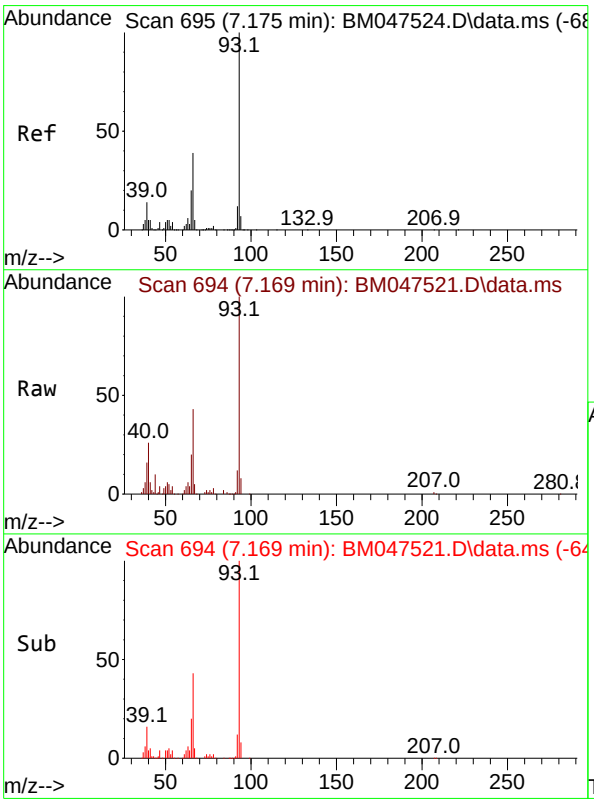
Ion	Ratio	Lower	Upper
112	100		
64	57.7	48.2	72.4
63	31.7	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

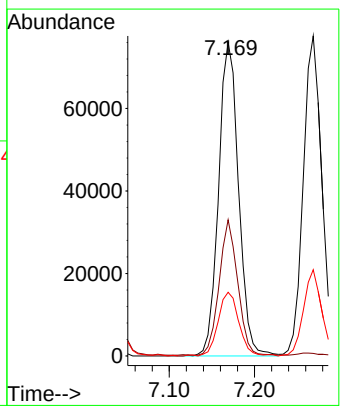
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

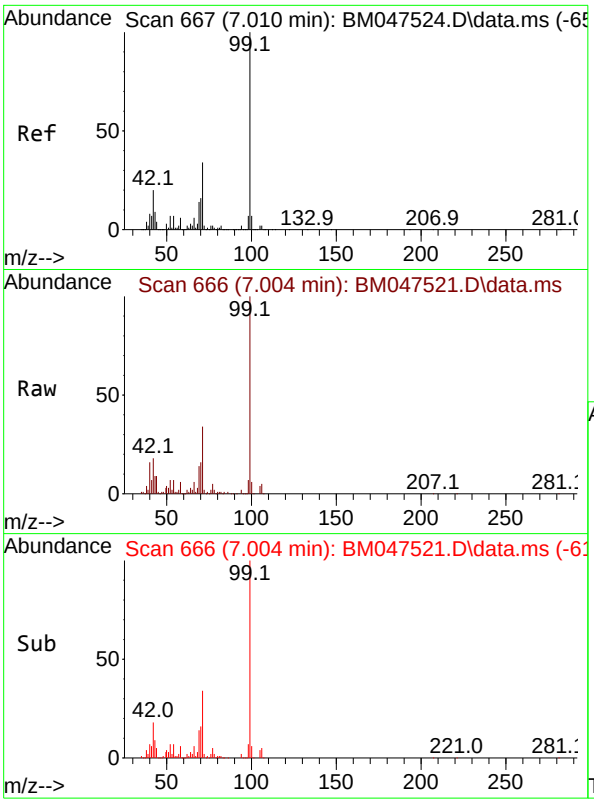


#6
Aniline
Concen: 4.915 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 93 Resp: 124093

Ion	Ratio	Lower	Upper
93	100		
66	43.4	31.4	47.0
65	20.3	16.3	24.5

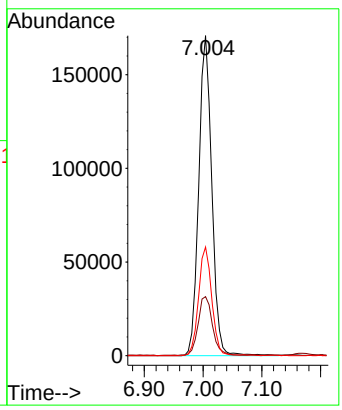




#7
Phenol-d6
Concen: 9.226 ng
RT: 7.004 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 99 Resp: 26275

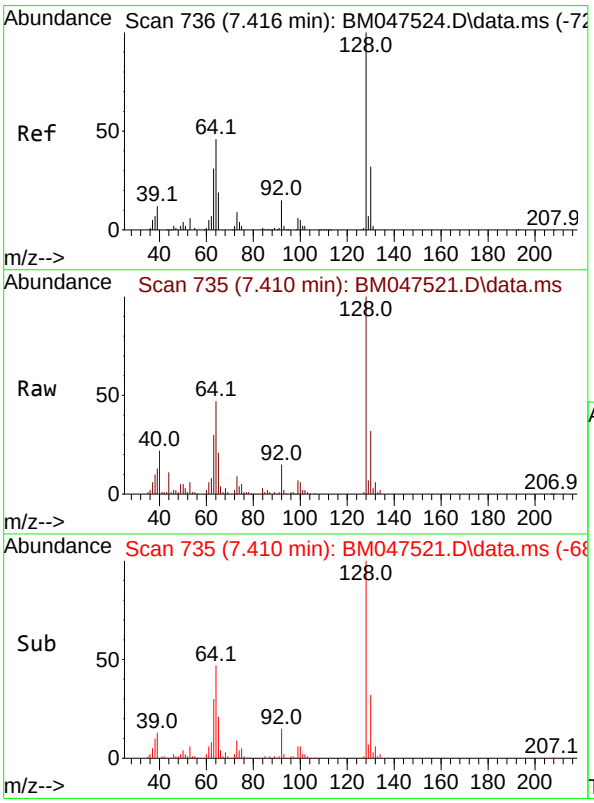
Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.8	23.8
71	34.0	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

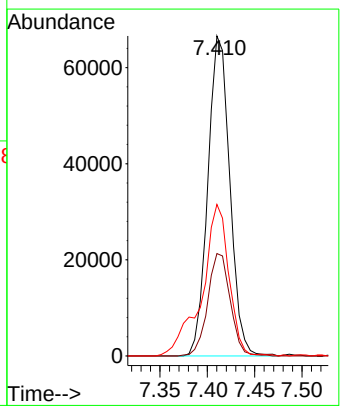
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

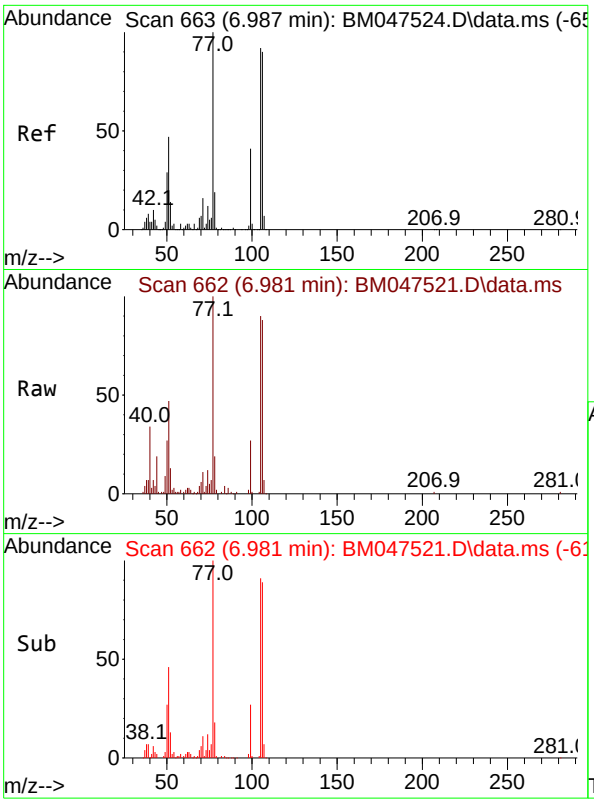


#8
2-Chlorophenol
Concen: 4.830 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:128 Resp: 107673

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.8	51.8
64	47.4	27.6	67.6

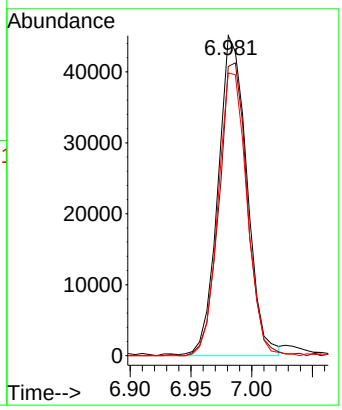




#9
Benzaldehyde
Concen: 5.488 ng m
RT: 6.981 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 77 Resp: 7431

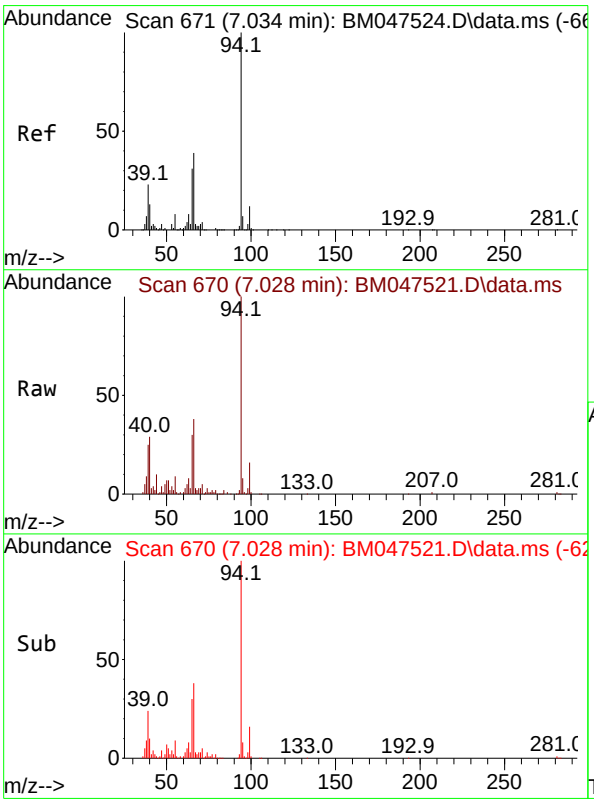
Ion	Ratio	Lower	Upper
77	100		
105	90.4	71.8	111.8
106	88.4	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

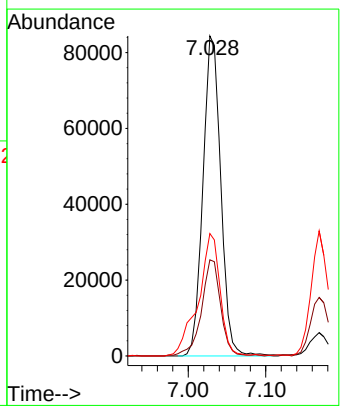
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

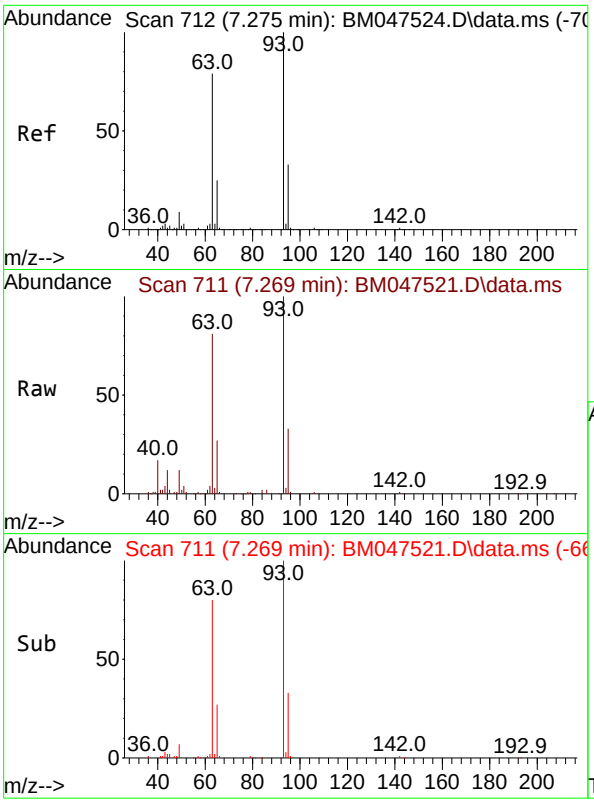


#10
Phenol
Concen: 4.732 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 94 Resp: 134938

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.8	50.8
66	38.3	19.2	59.2

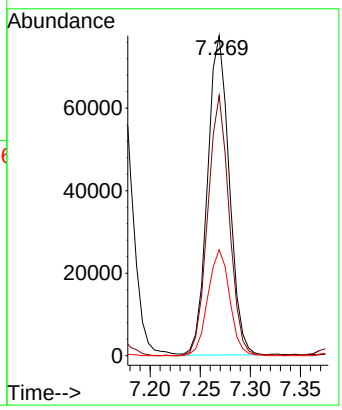




#11
bis(2-Chloroethyl)ether
Concen: 5.101 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 93 Resp: 11679

Ion	Ratio	Lower	Upper
93	100		
63	81.3	58.2	98.2
95	33.1	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/16/2024
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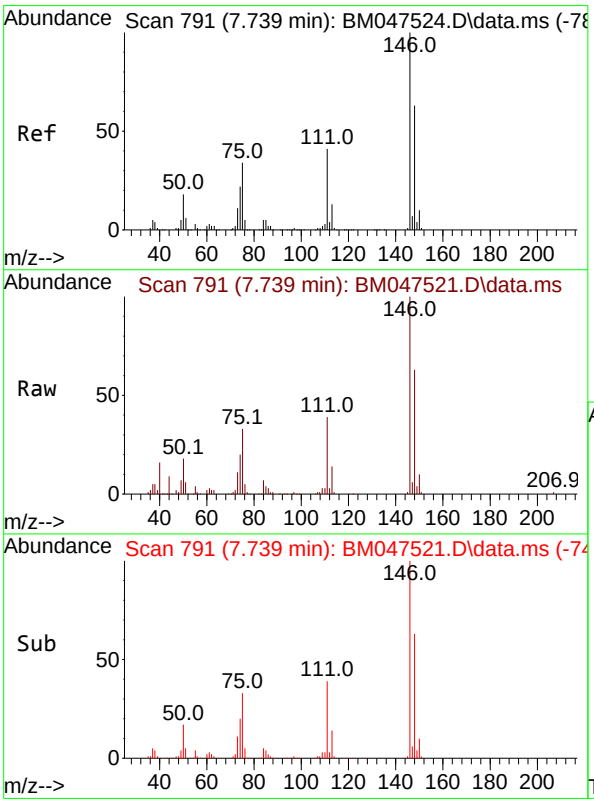
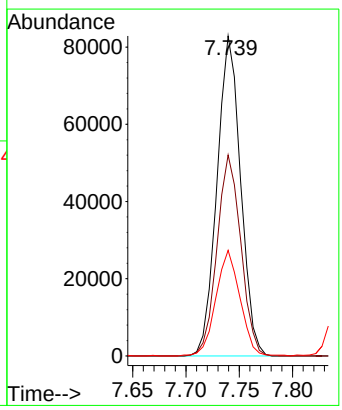
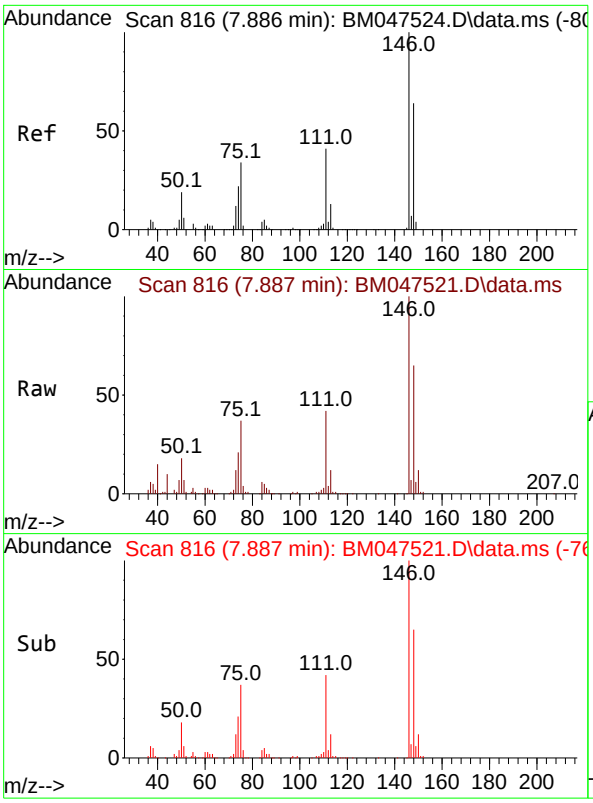


#12
1,3-Dichlorobenzene
Concen: 5.232 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:146 Resp: 127671

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.2	75.4
75	33.0	27.4	41.0

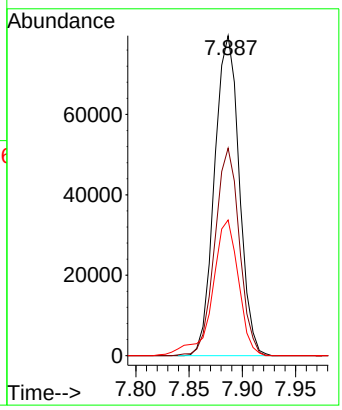




#13
1,4-Dichlorobenzene
Concen: 5.161 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:146 Resp: 12827(

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	42.4	32.9	49.3



Instrument :
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ClientSampleId :
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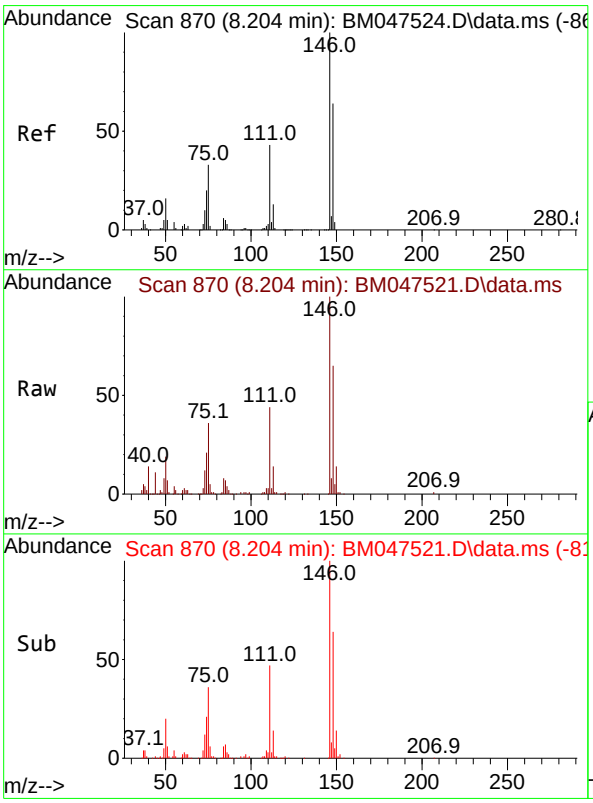
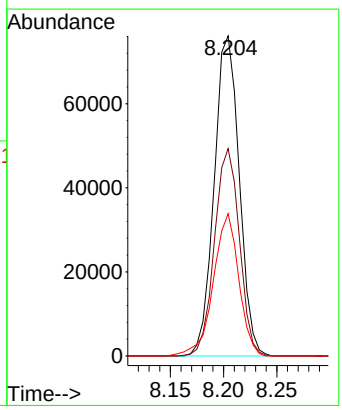
Supervised By :mohammad ahmed 09/17/2024

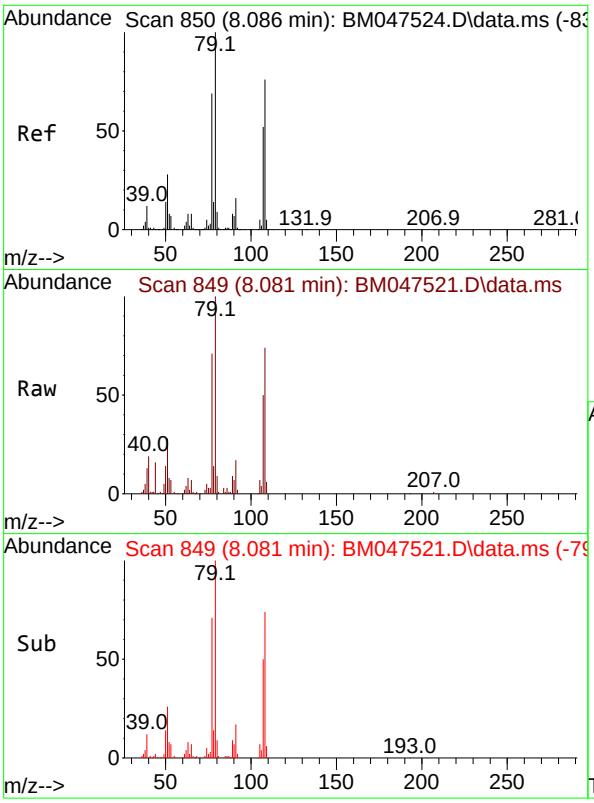


#14
1,2-Dichlorobenzene
Concen: 5.084 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:146 Resp: 124358

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.1	76.7
111	44.5	34.7	52.1





#15
Benzyl Alcohol
Concen: 4.566 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 79 Resp: 8809(

Ion	Ratio	Lower	Upper
79	100		
108	73.7	60.6	91.0
77	70.7	55.0	82.4

Instrument :
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ClientSampleId :
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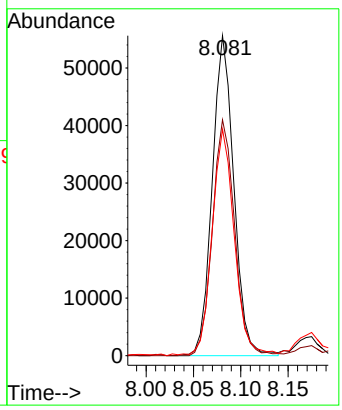
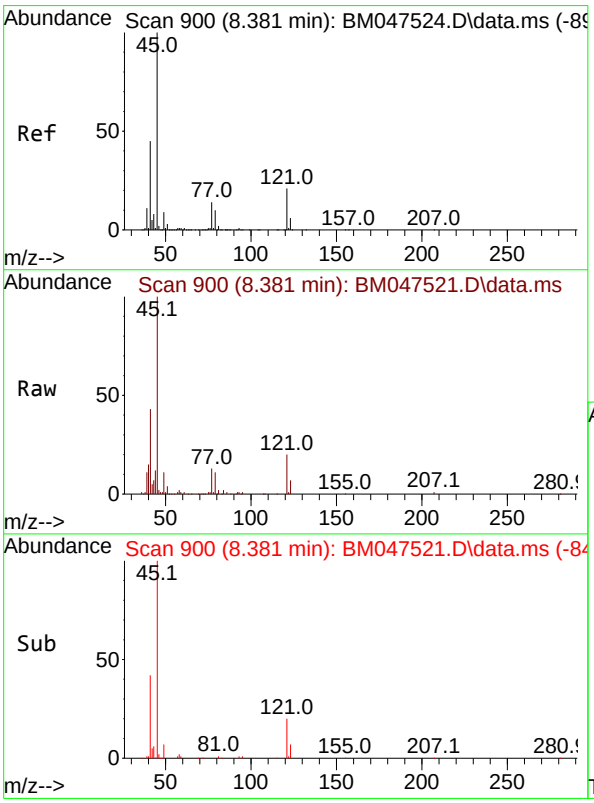
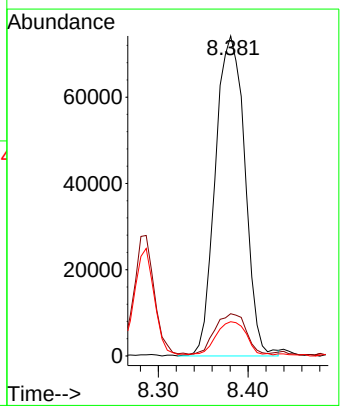


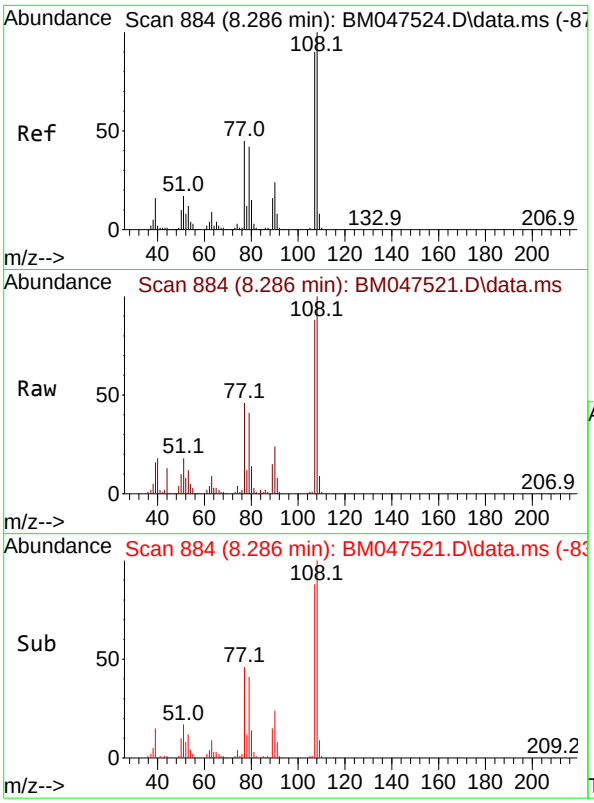


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.258 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 45 Resp: 169328

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.7
79	10.7	0.0	30.3

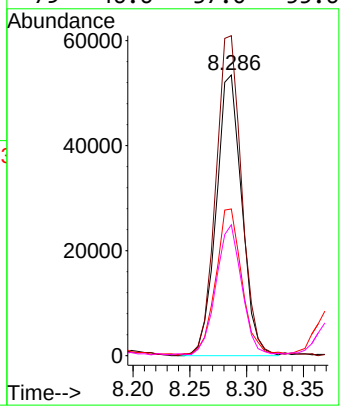




#17
2-Methylphenol
Concen: 4.599 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:107 Resp: 8377

Ion	Ratio	Lower	Upper
107	100		
108	114.0	88.9	133.3
77	52.3	39.8	59.8
79	46.6	37.0	55.6



Instrument :
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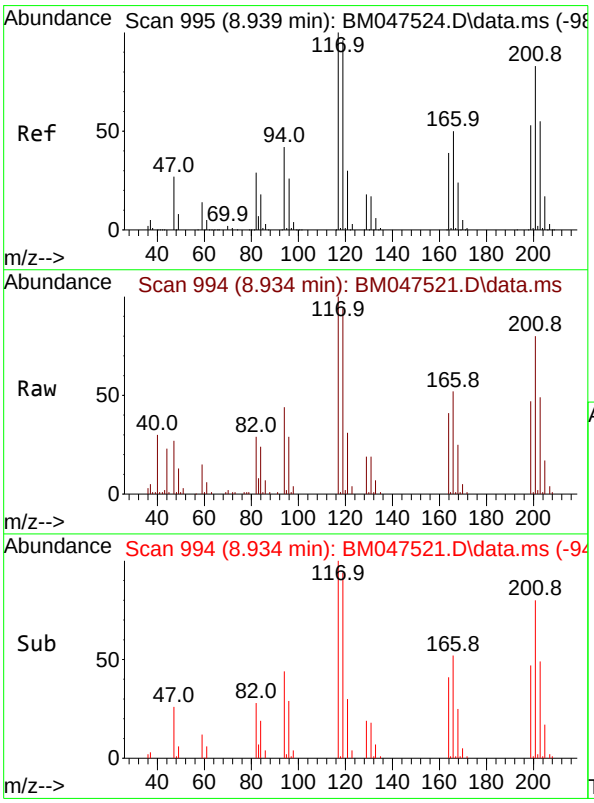
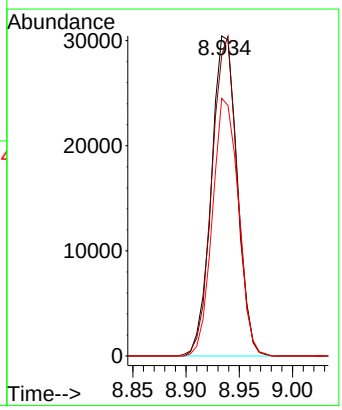
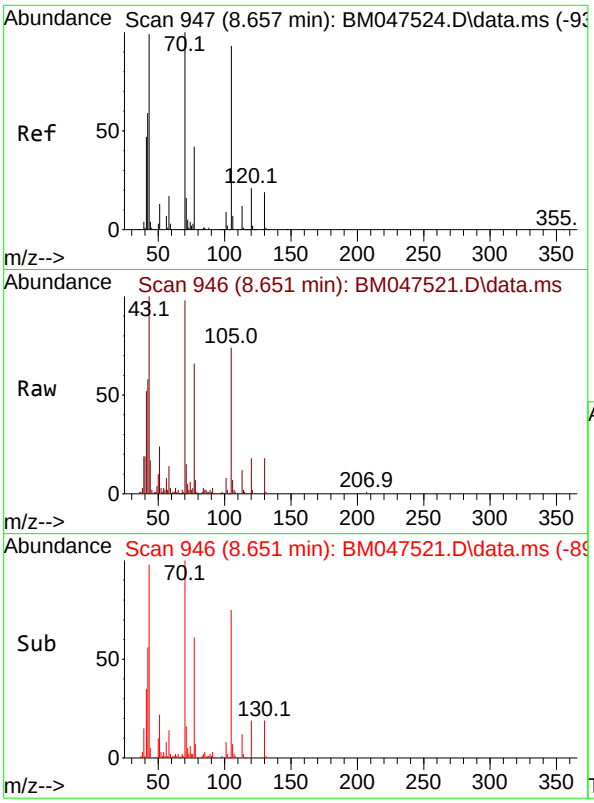


#18
Hexachloroethane
Concen: 5.180 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:117 Resp: 51435

Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.0	115.4
201	80.5	66.8	100.2

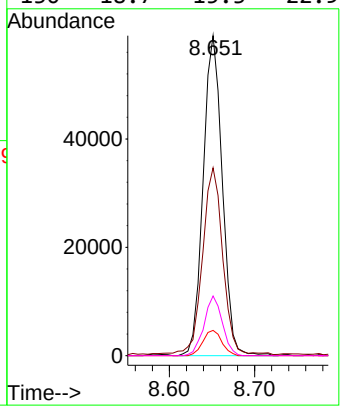




#19
n-Nitroso-di-n-propylamine
Concen: 4.797 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 70 Resp: 9211

Ion	Ratio	Lower	Upper
70	100		
42	58.7	48.2	72.2
101	7.9	7.0	10.4
130	18.7	15.3	22.9



Instrument :
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ClientSampleId :
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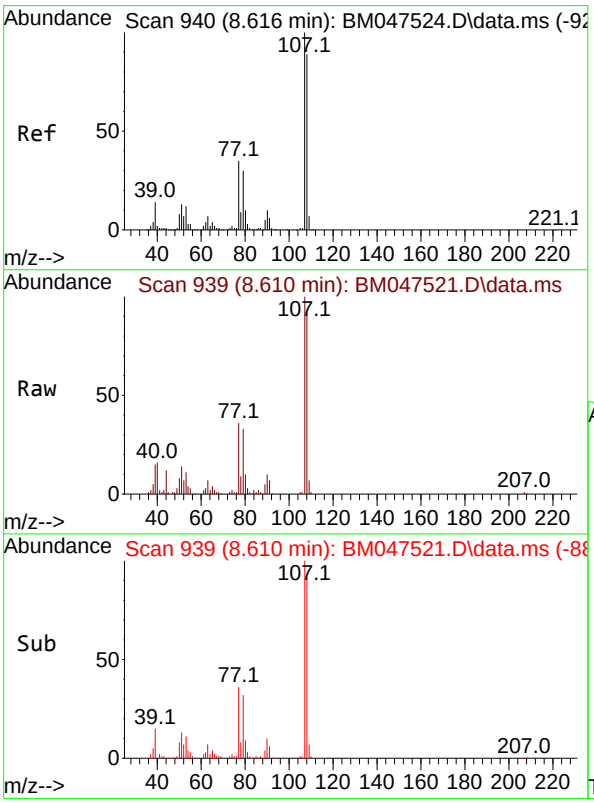
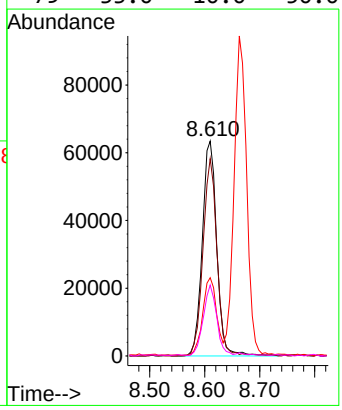
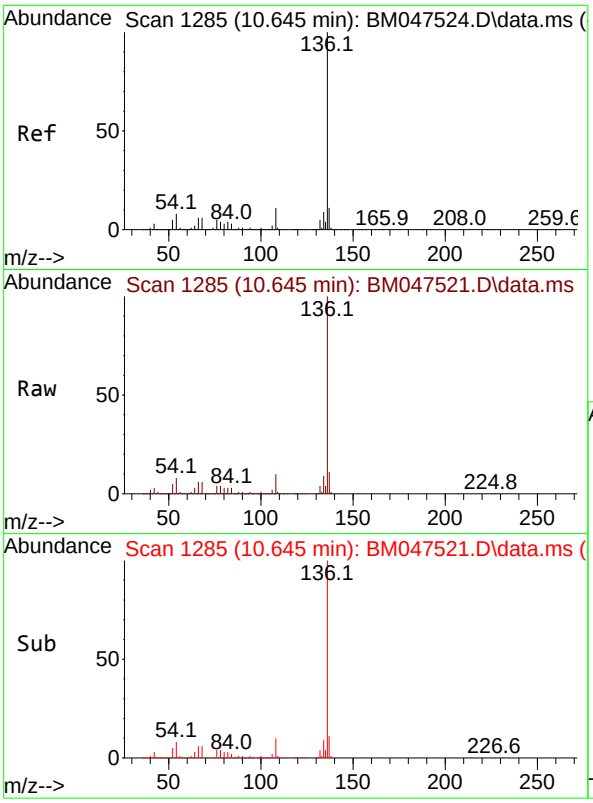


#20
3+4-Methylphenols
Concen: 4.562 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:107 Resp: 115966

Ion	Ratio	Lower	Upper
107	100		
108	91.8	68.9	108.9
77	36.4	15.5	55.5
79	33.0	10.0	50.0

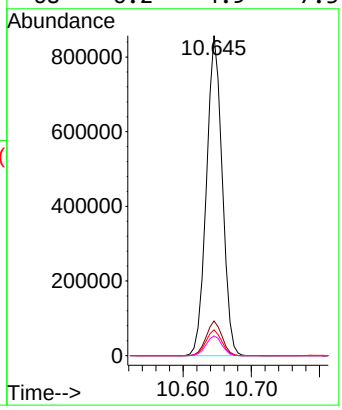




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:136 Resp: 137960

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.1	6.6	9.8
68	6.2	4.9	7.3



Instrument :
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ClientSampleId :
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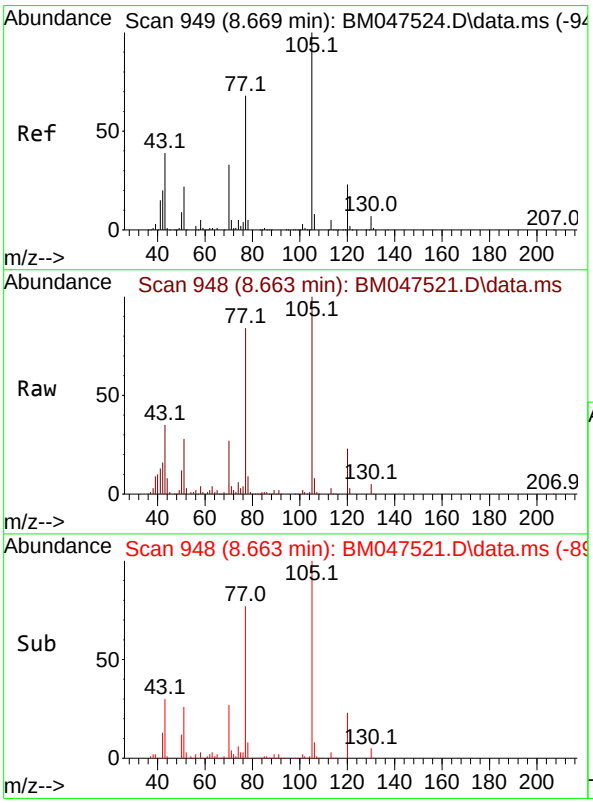
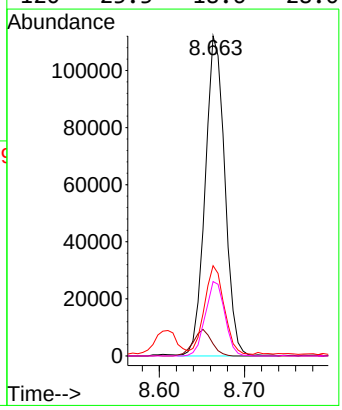
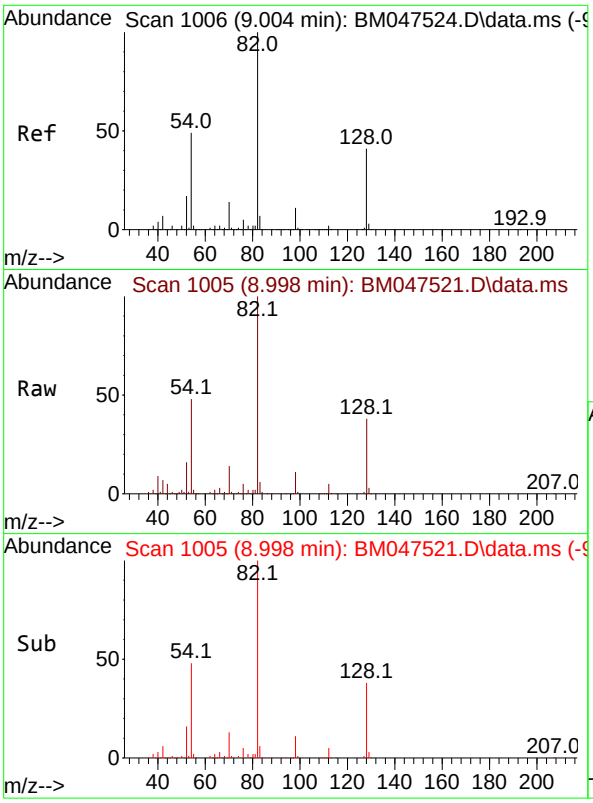


#22
Acetophenone
Concen: 4.953 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:105 Resp: 179648

Ion	Ratio	Lower	Upper
105	100		
71	3.8	4.3	6.5#
51	28.2	21.5	32.3
120	23.3	18.6	28.0

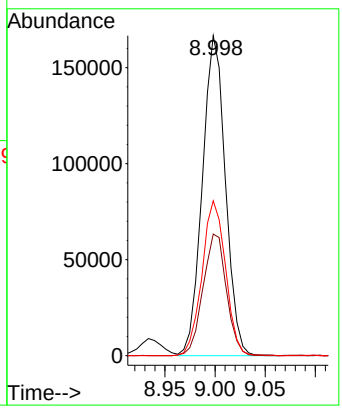




#23
Nitrobenzene-d5
Concen: 9.682 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 82 Resp: 26689

Ion	Ratio	Lower	Upper
82	100		
128	38.0	33.0	49.4
54	48.4	39.3	58.9



Instrument :
BNA_M
ClientSampleId :
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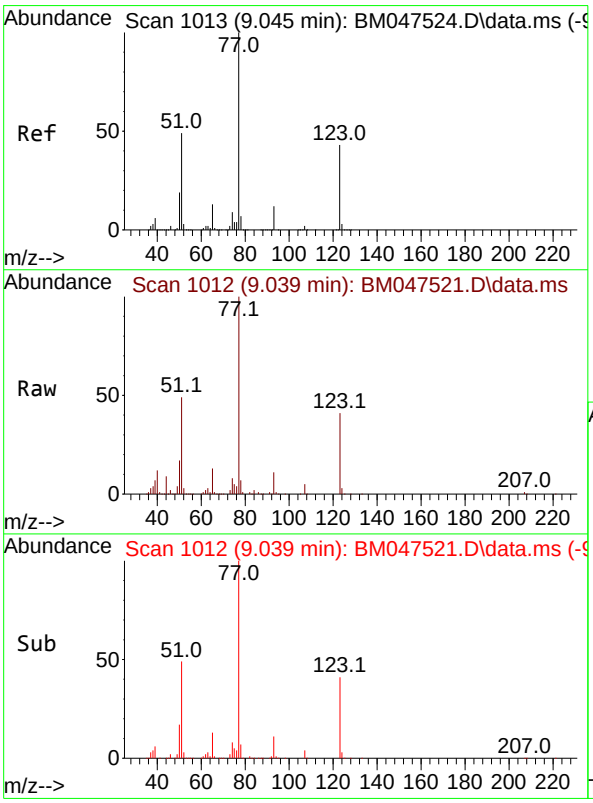
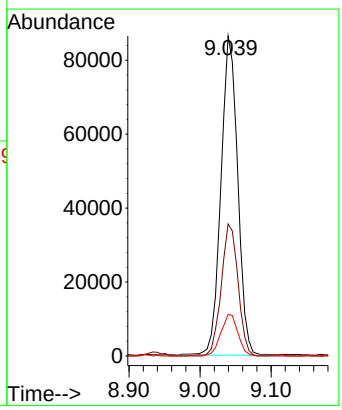
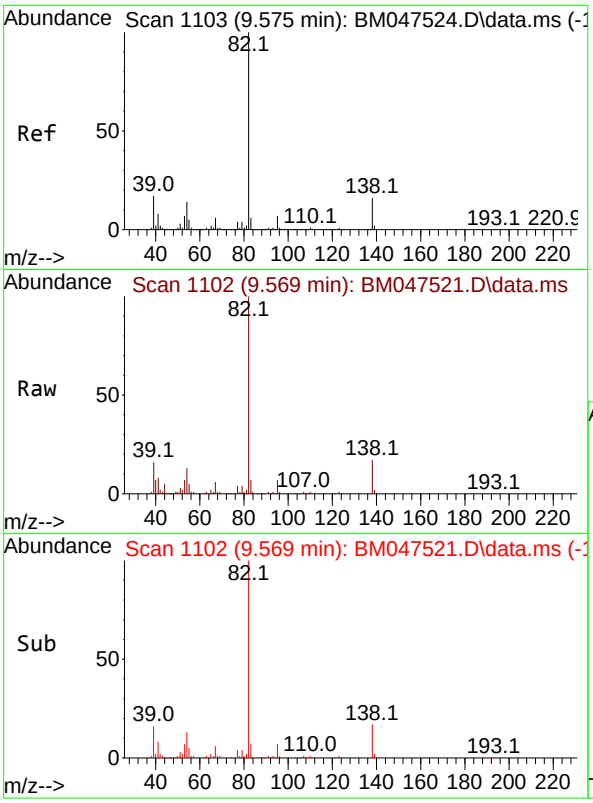


#24
Nitrobenzene
Concen: 4.984 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 77 Resp: 141172

Ion	Ratio	Lower	Upper
77	100		
123	41.2	34.5	51.7
65	13.0	10.7	16.1





#25
Isophorone
Concen: 4.779 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 82 Resp: 23159

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.0
138	16.6	12.9	19.3

Instrument :
BNA_M
ClientSampleId :
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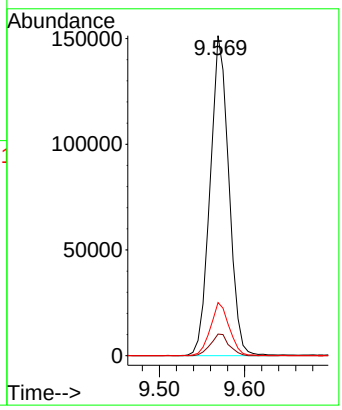
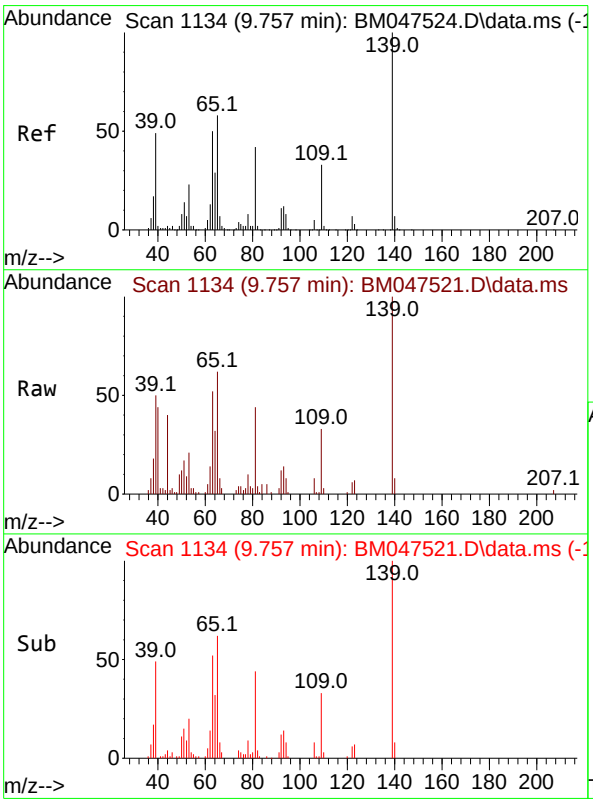
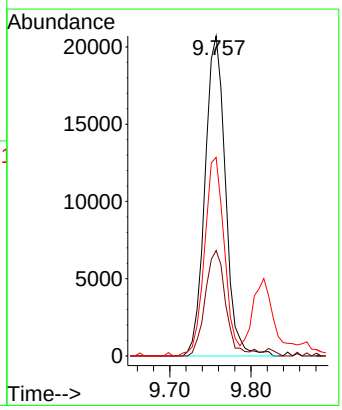


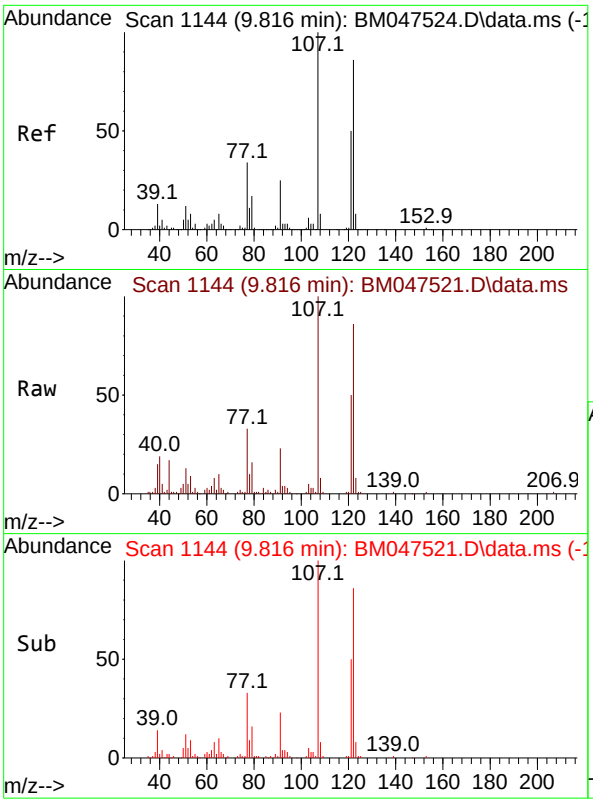


#26
2-Nitrophenol
Concen: 3.750 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:139 Resp: 36202

Ion	Ratio	Lower	Upper
139	100		
109	32.9	26.0	39.0
65	62.1	46.2	69.4

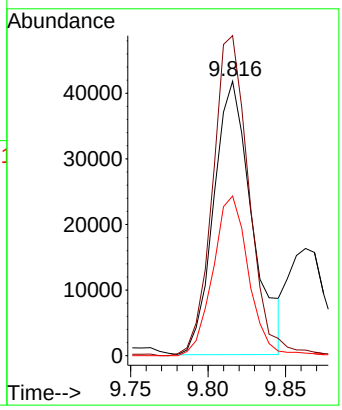




#27
2,4-Dimethylphenol
Concen: 4.892 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:122 Resp: 7158

Ion	Ratio	Lower	Upper
122	100		
107	116.6	92.4	138.6
121	58.2	46.2	69.4



Instrument :
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ClientSampleId :
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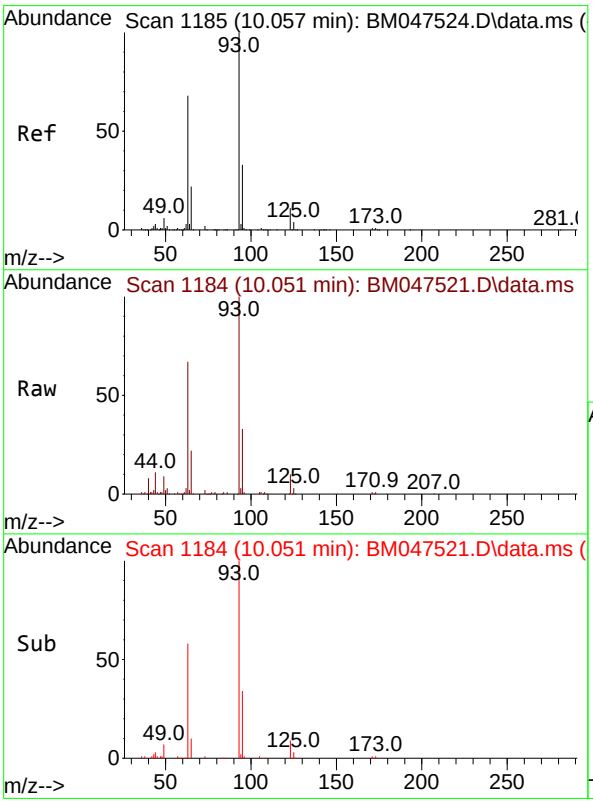
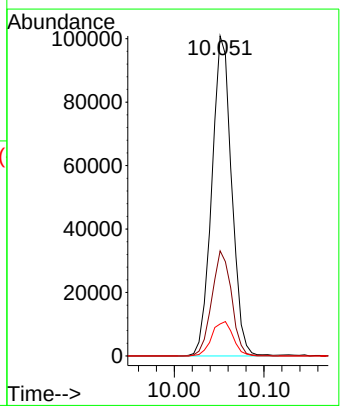
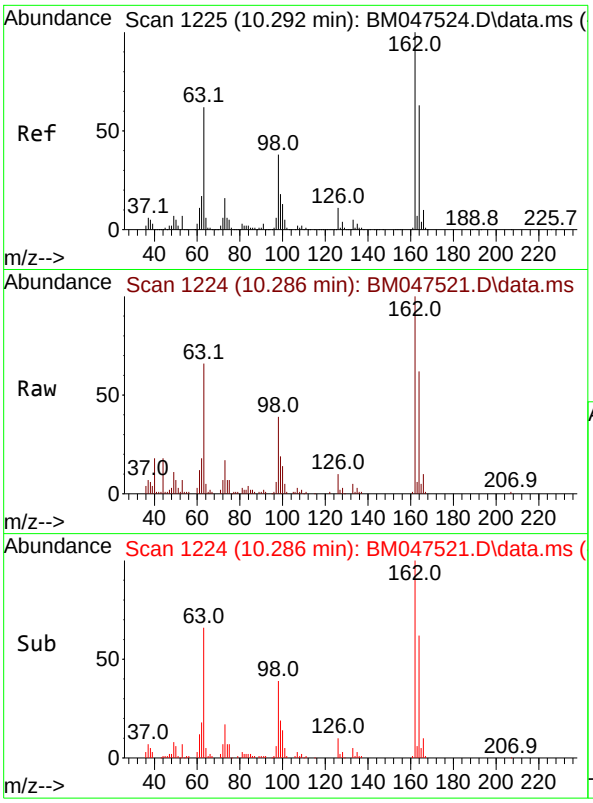


#28
bis(2-Chloroethoxy)methane
Concen: 5.077 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 93 Resp: 154543

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	10.0	9.2	13.8

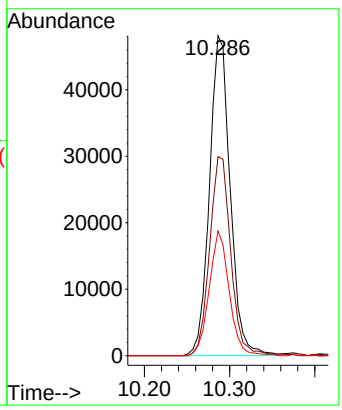




#29
2,4-Dichlorophenol
Concen: 4.377 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:162 Resp: 8137

Ion	Ratio	Lower	Upper
162	100		
164	62.2	43.5	83.5
98	39.0	17.6	57.6



Instrument :
BNA_M
ClientSampleId :
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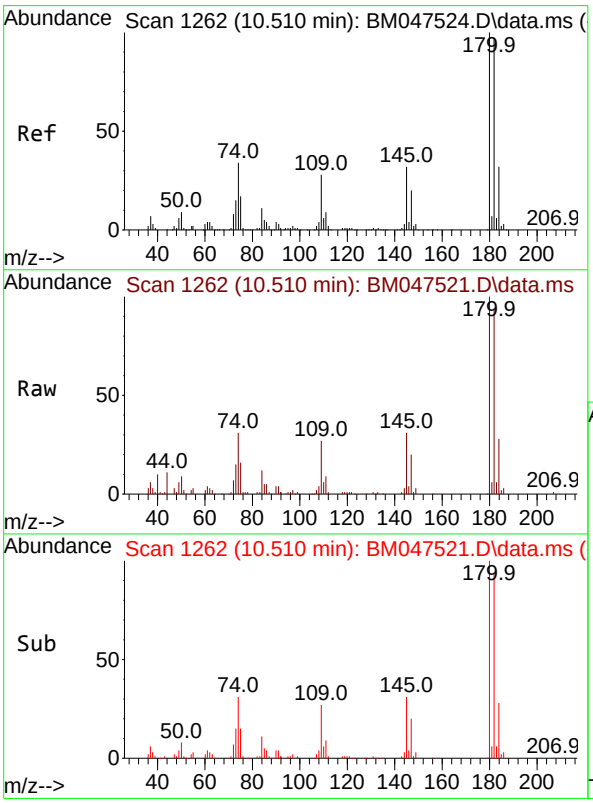
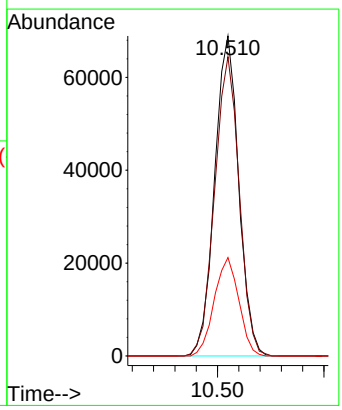
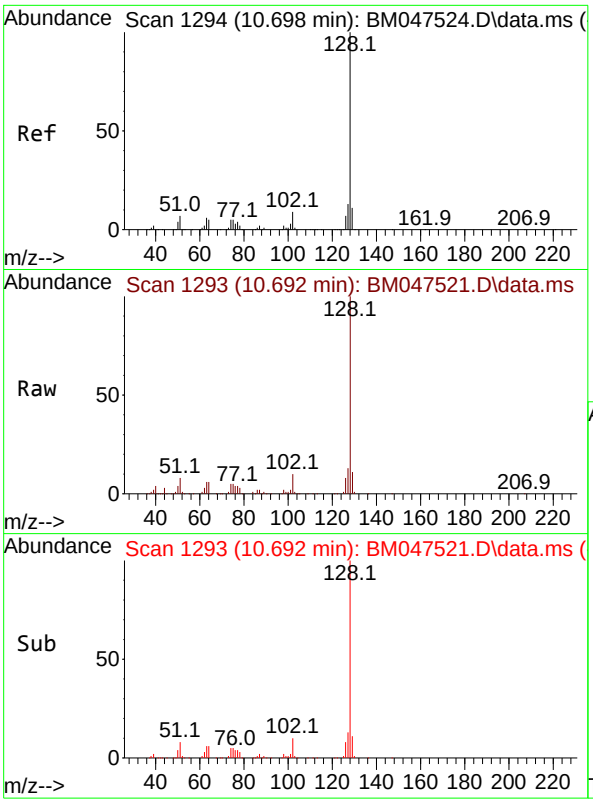


#30
1,2,4-Trichlorobenzene
Concen: 5.074 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:180 Resp: 108051

Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.6	116.4
145	30.7	25.4	38.0

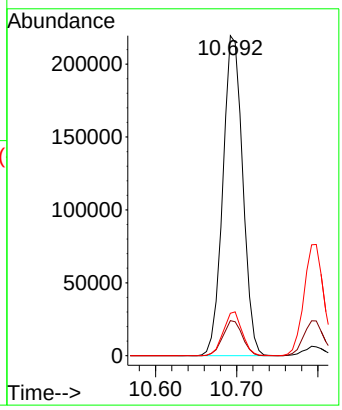




#31
Naphthalene
Concen: 5.011 ng
RT: 10.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:128 Resp: 373399

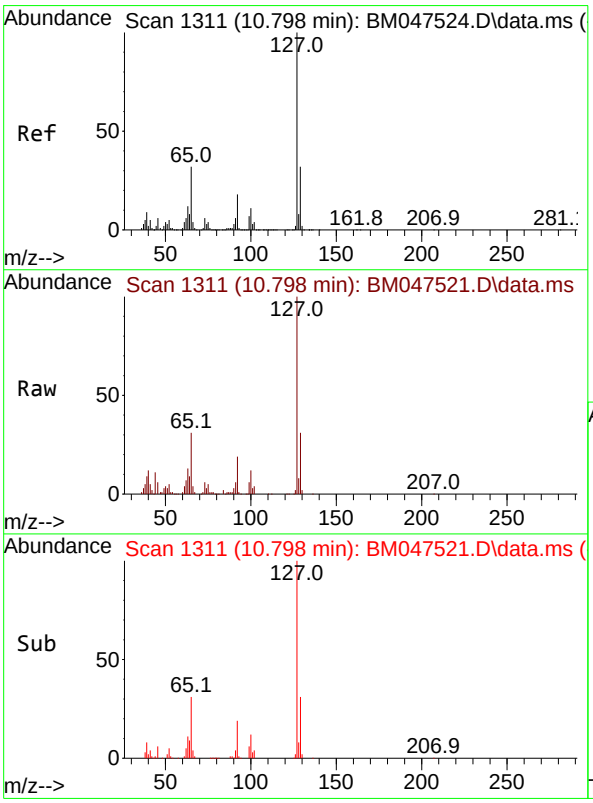
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.3	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

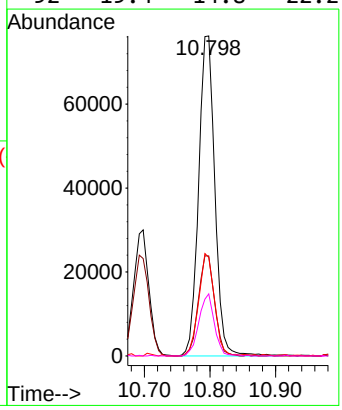
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

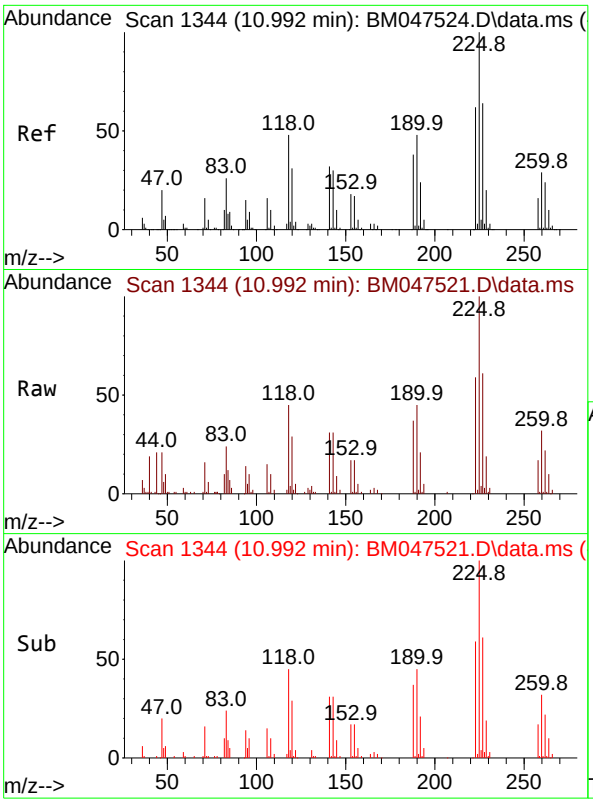


#33
4-Chloroaniline
Concen: 4.890 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:127 Resp: 131738

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.4	38.0
65	30.8	25.5	38.3
92	19.4	14.8	22.2

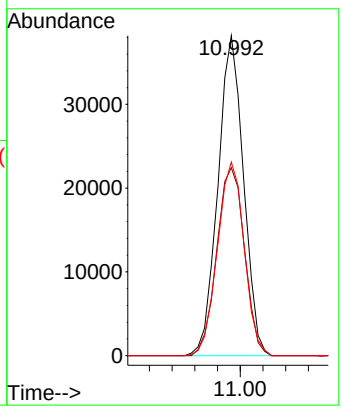




#34
Hexachlorobutadiene
Concen: 5.071 ng
RT: 10.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:225 Resp: 5981

Ion	Ratio	Lower	Upper
225	100		
223	58.8	49.8	74.6
227	60.5	51.0	76.4



Instrument :
BNA_M
ClientSampleId :
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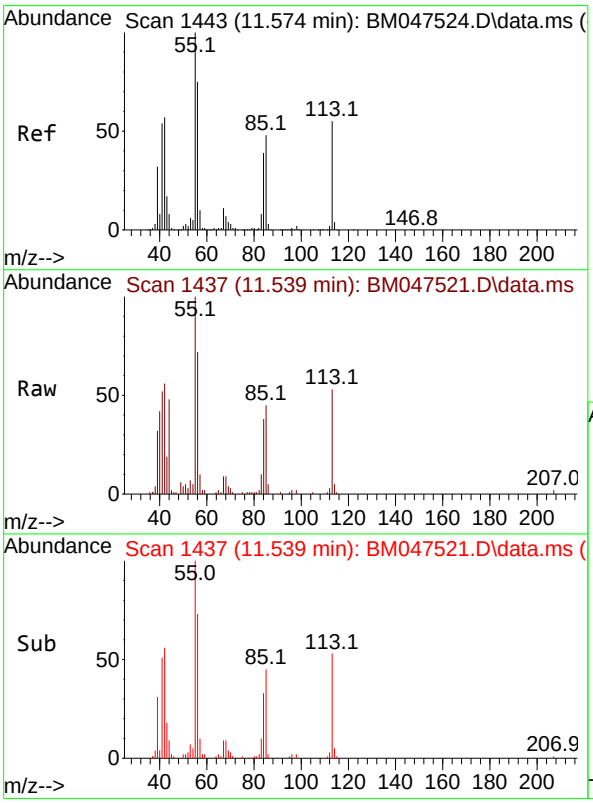
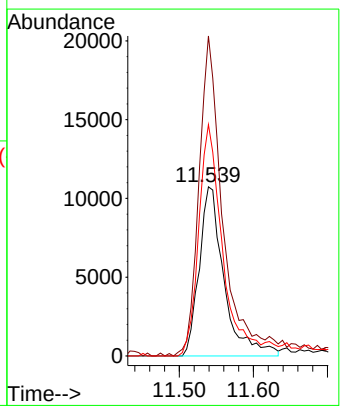
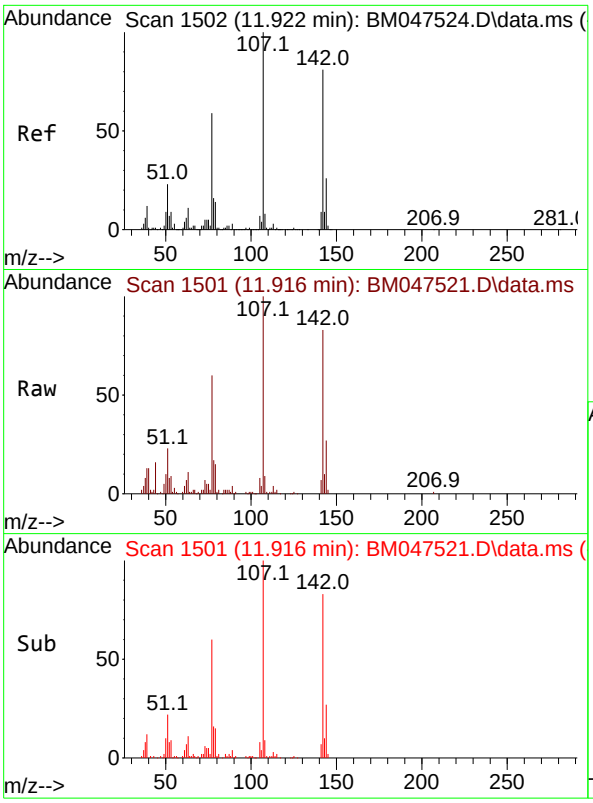


#35
Caprolactam
Concen: 4.093 ng
RT: 11.539 min Scan# 1437
Delta R.T. -0.035 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:113 Resp: 25064

Ion	Ratio	Lower	Upper
113	100		
55	189.2	162.5	202.5
56	136.8	116.5	156.5

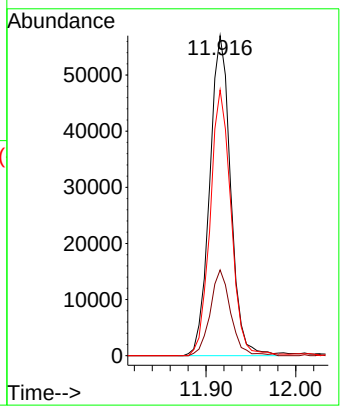




#36
4-Chloro-3-methylphenol
Concen: 4.348 ng
RT: 11.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:107 Resp: 9262

Ion	Ratio	Lower	Upper
107	100		
144	26.8	20.5	30.7
142	83.0	65.0	97.4



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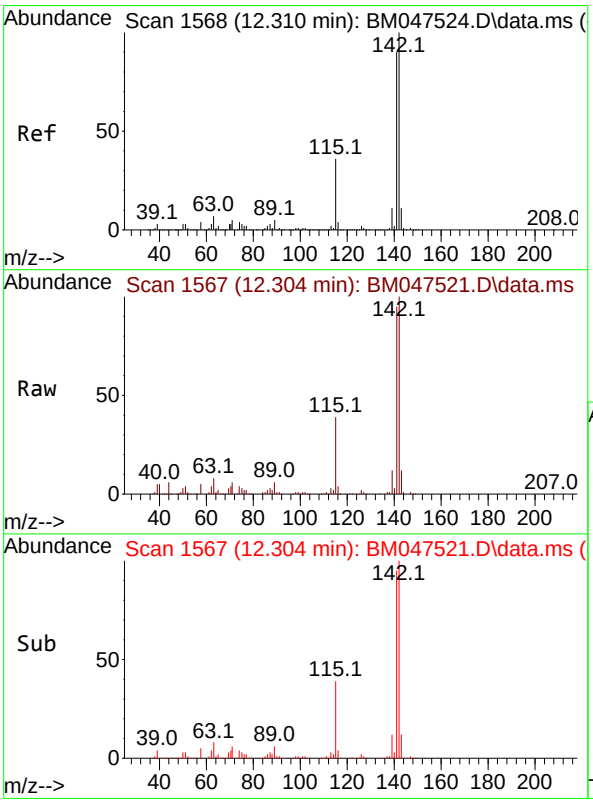
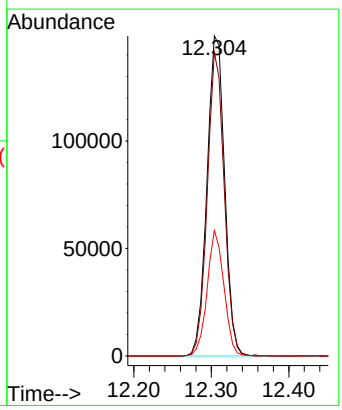
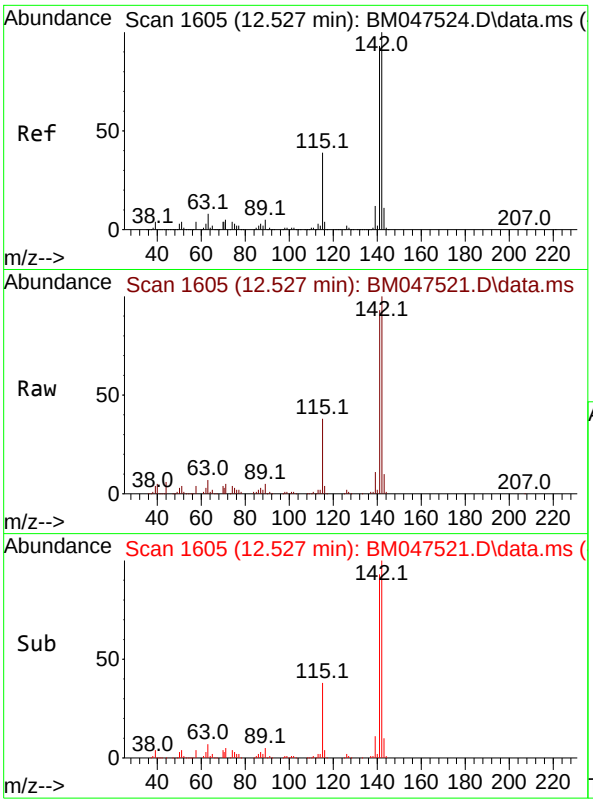


#37
2-Methylnaphthalene
Concen: 4.750 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:142 Resp: 235563

Ion	Ratio	Lower	Upper
142	100		
141	94.9	72.2	108.4
115	39.2	29.1	43.7

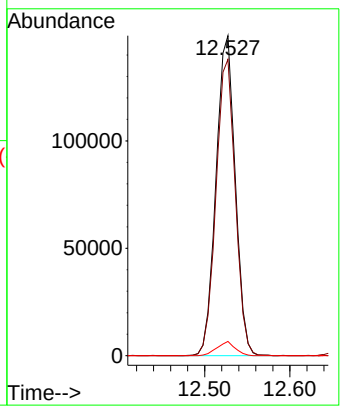




#38
1-Methylnaphthalene
Concen: 4.751 ng
RT: 12.527 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:142 Resp: 23413

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.5	3.2	4.8



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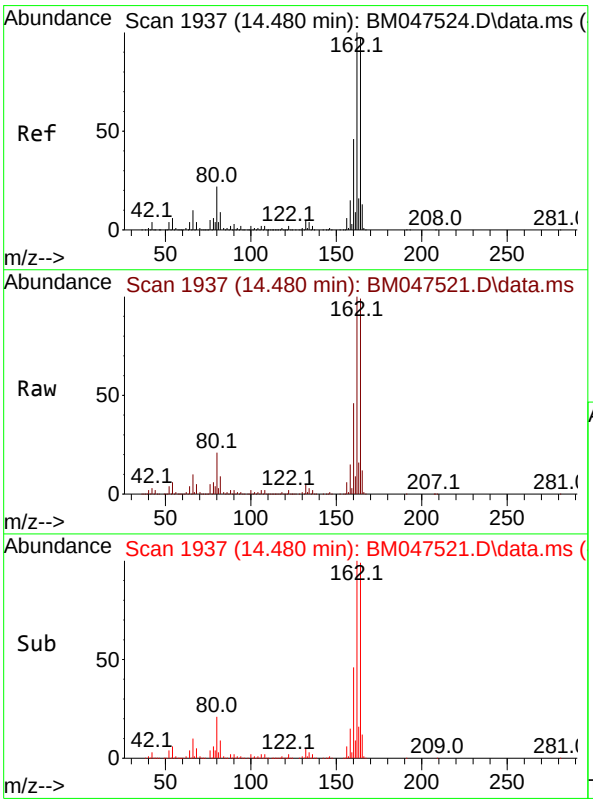
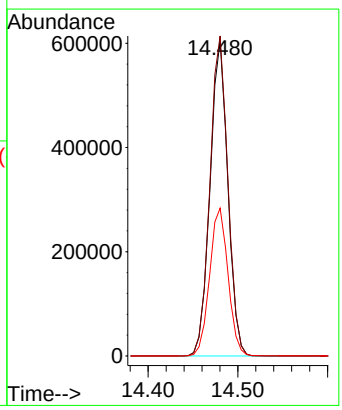
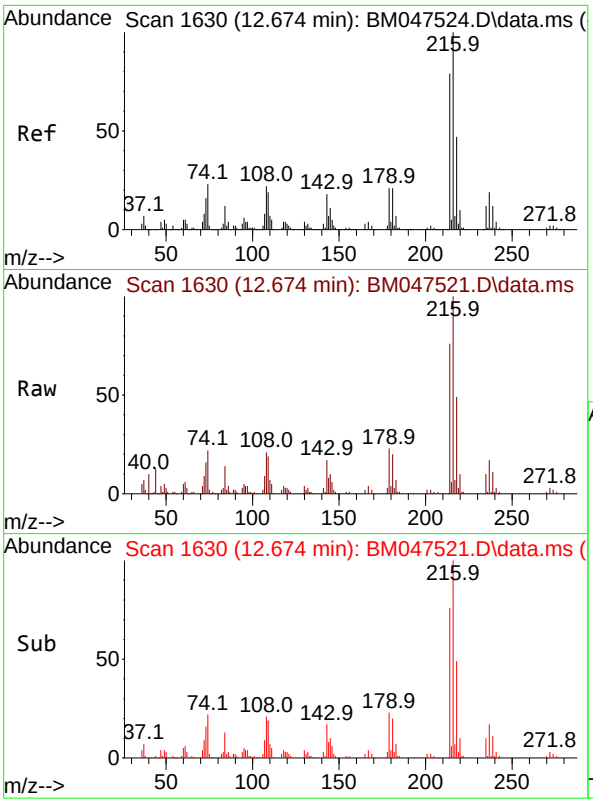


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:164 Resp: 831511

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.2
160	46.9	38.2	57.2

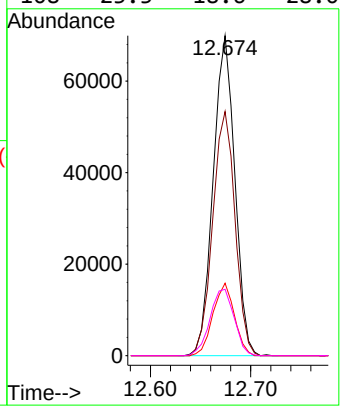




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.663 ng
RT: 12.674 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:216 Resp: 10492

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.6
179	22.4	17.5	26.3
108	23.3	18.6	28.0



Instrument :
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ClientSampleId :
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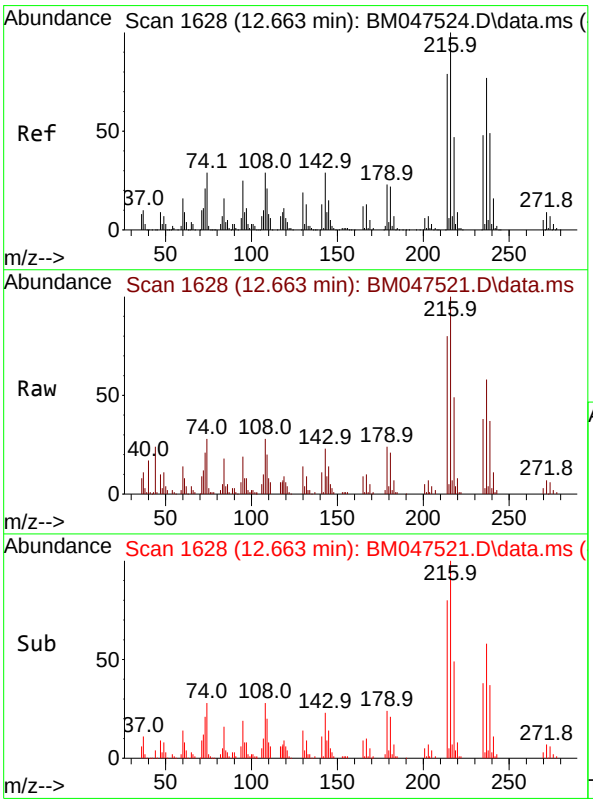
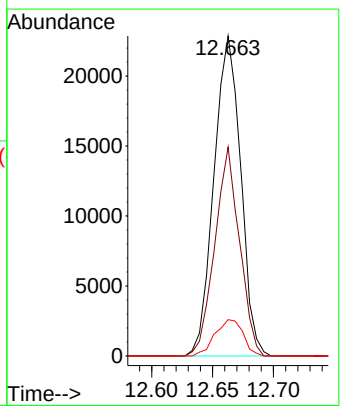
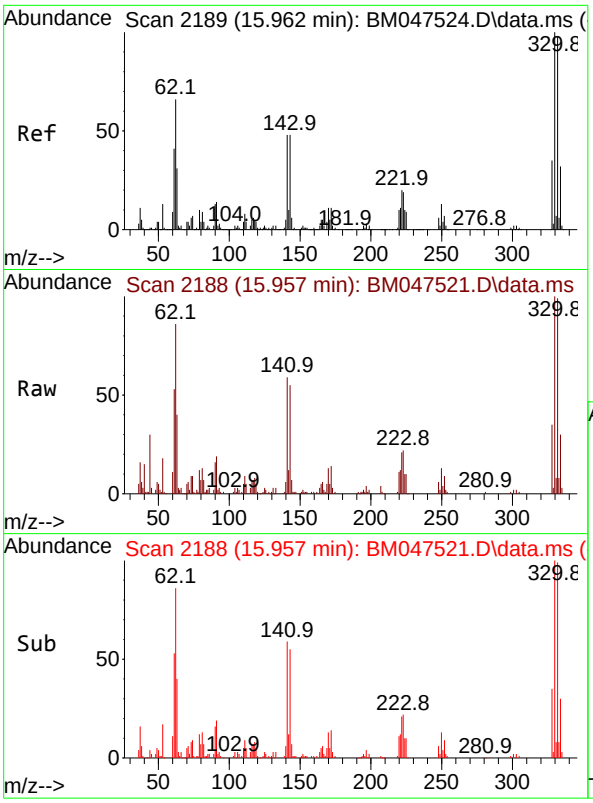


#41
Hexachlorocyclopentadiene
Concen: 4.746 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:237 Resp: 34913

Ion	Ratio	Lower	Upper
237	100		
235	65.3	42.0	82.0
272	11.3	0.0	31.5

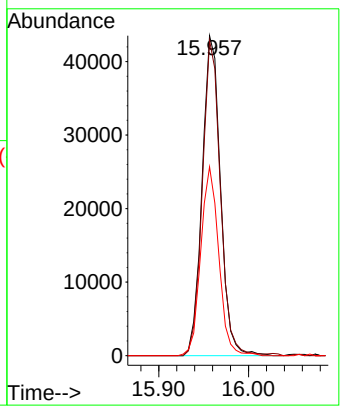




#42
2,4,6-Tribromophenol
Concen: 7.689 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:330 Resp: 6180

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	57.9	42.2	63.2



Instrument :
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ClientSampleId :
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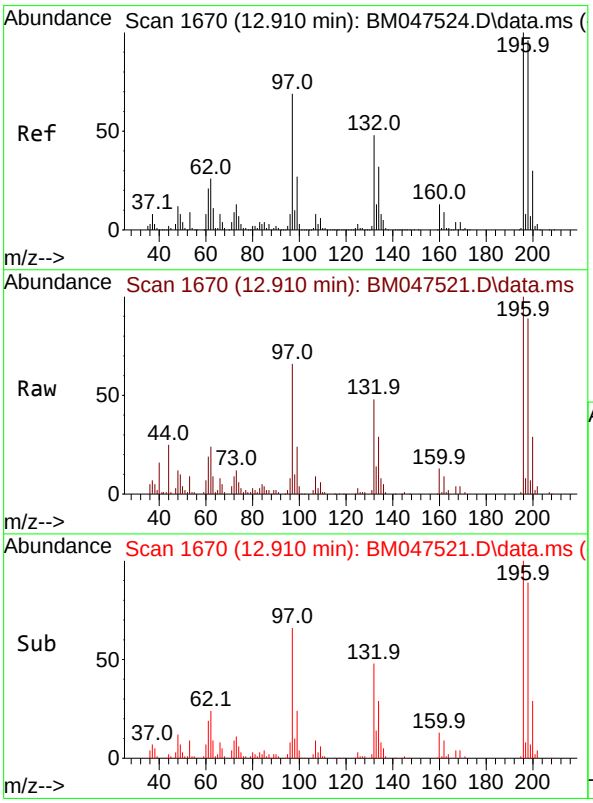
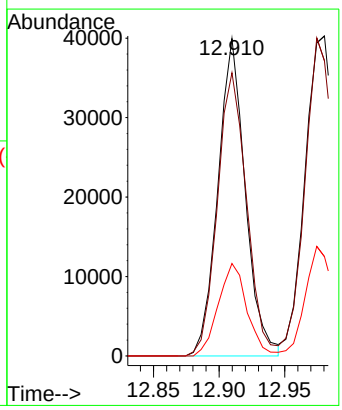
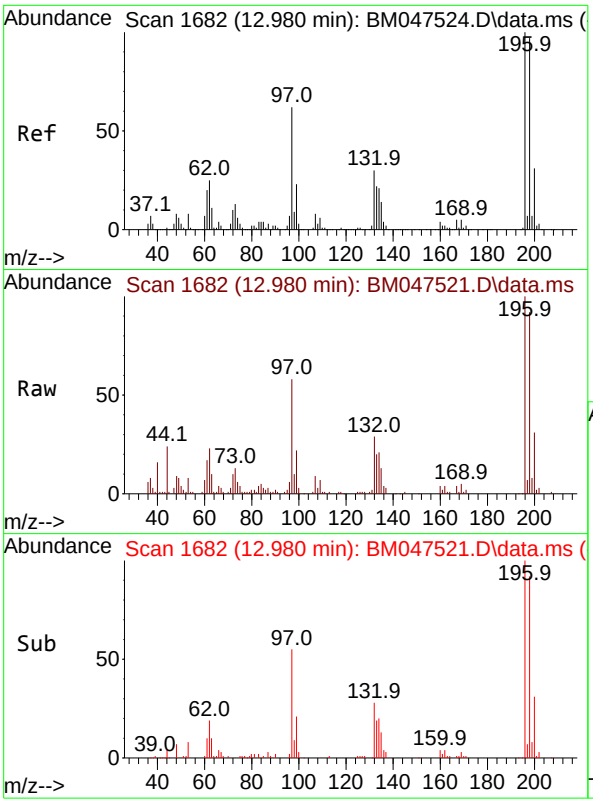


#43
2,4,6-Trichlorophenol
Concen: 4.119 ng
RT: 12.910 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:196 Resp: 58063

Ion	Ratio	Lower	Upper
196	100		
198	89.2	76.9	115.3
200	29.1	24.3	36.5

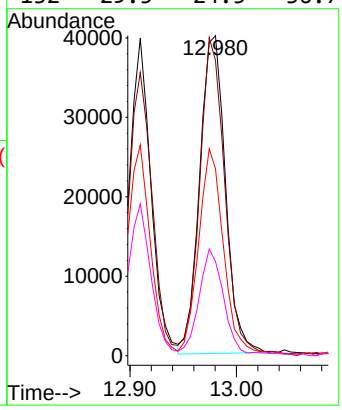




#44
2,4,5-Trichlorophenol
Concen: 4.228 ng
RT: 12.980 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:196 Resp: 6732(

Ion	Ratio	Lower	Upper
196	100		
198	92.3	77.4	116.2
97	58.4	49.8	74.8
132	29.5	24.5	36.7



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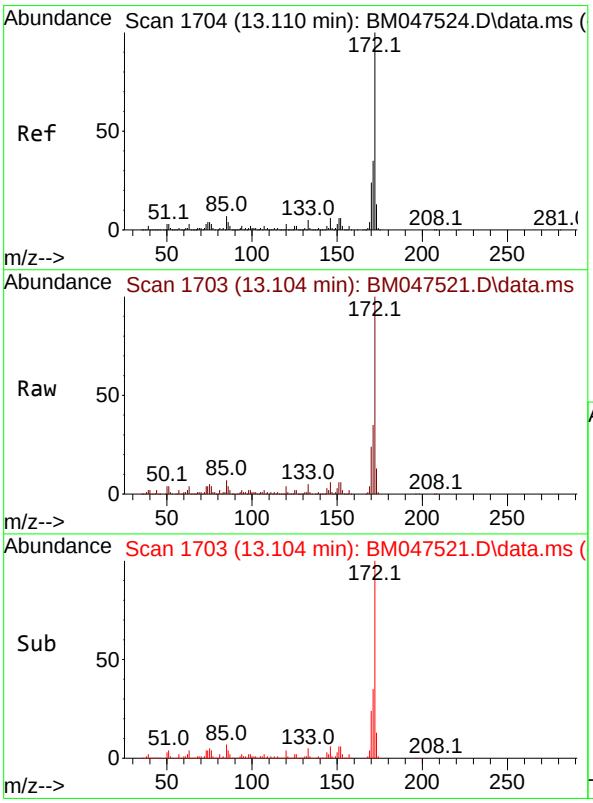
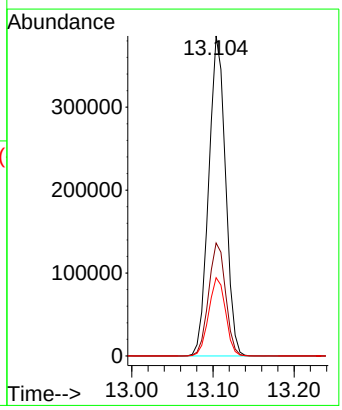
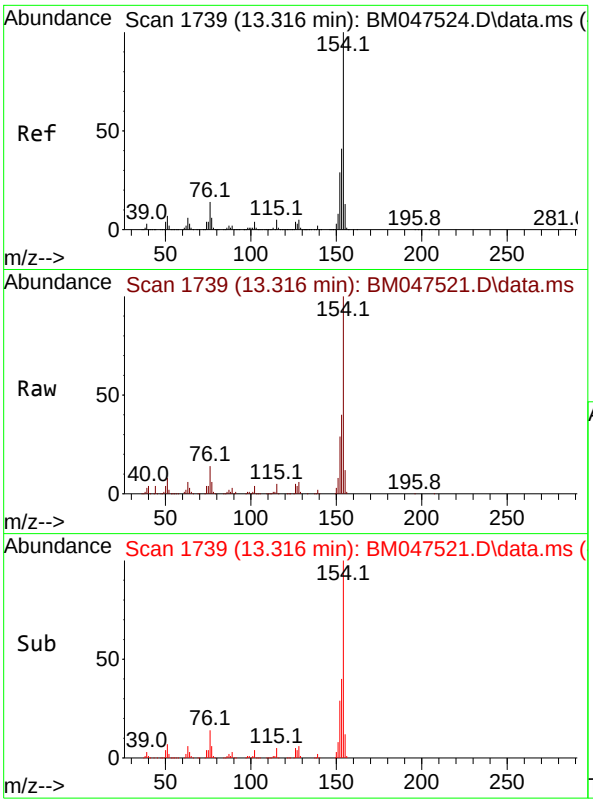


#45
2-Fluorobiphenyl
Concen: 9.167 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:172 Resp: 553330

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	24.5	19.4	29.0

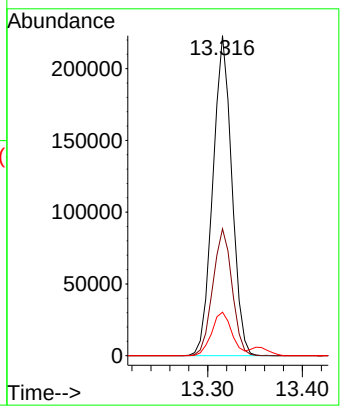




#46
1,1'-Biphenyl
Concen: 4.813 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:154 Resp: 31136

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.6	60.6
76	13.6	0.0	33.9



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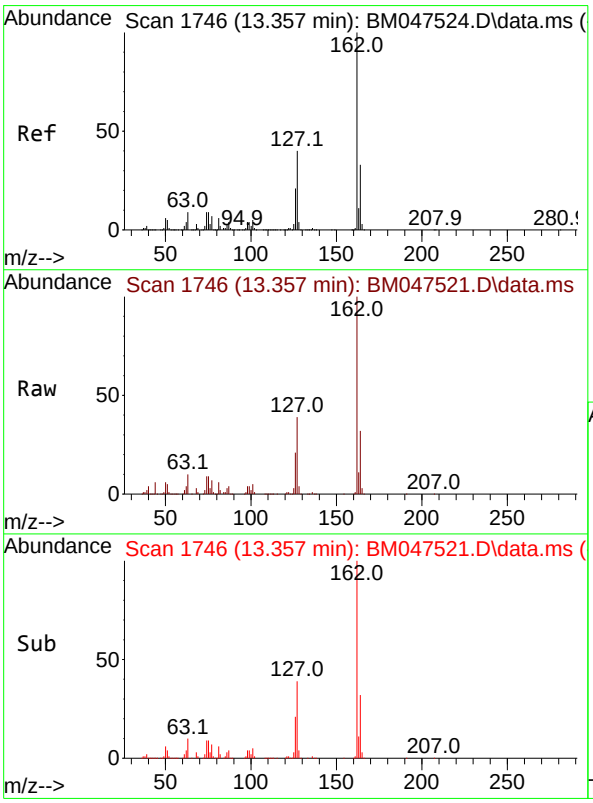
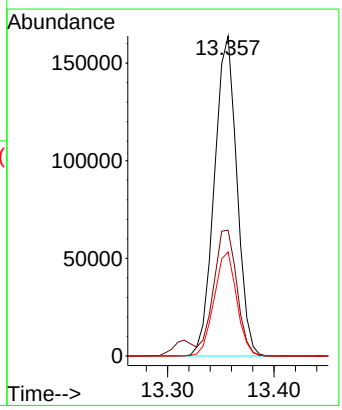
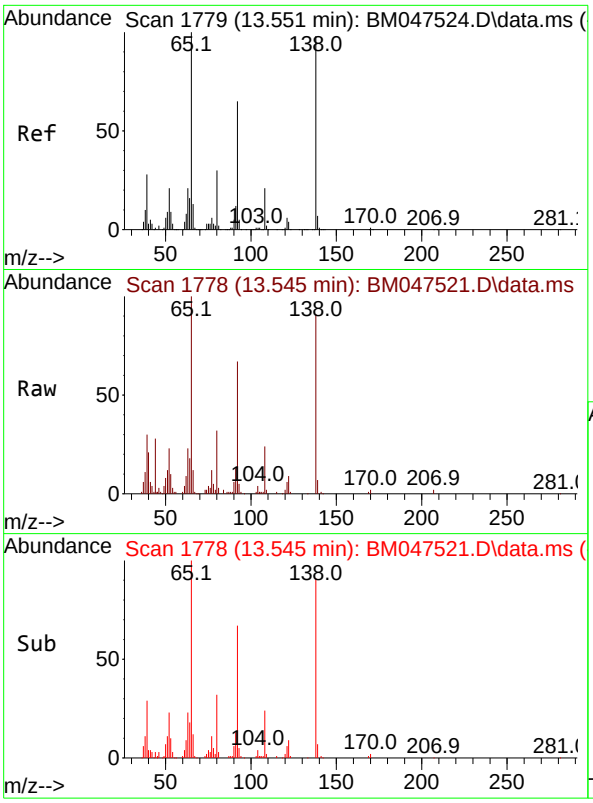


#47
2-Chloronaphthalene
Concen: 4.788 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:162 Resp: 240529

Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.2	48.4
164	32.5	26.3	39.5

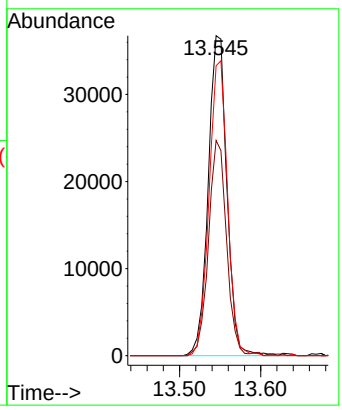




#48
2-Nitroaniline
Concen: 3.970 ng
RT: 13.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 65 Resp: 5857

Ion	Ratio	Lower	Upper
65	100		
92	67.2	51.9	77.9
138	90.6	78.5	117.7



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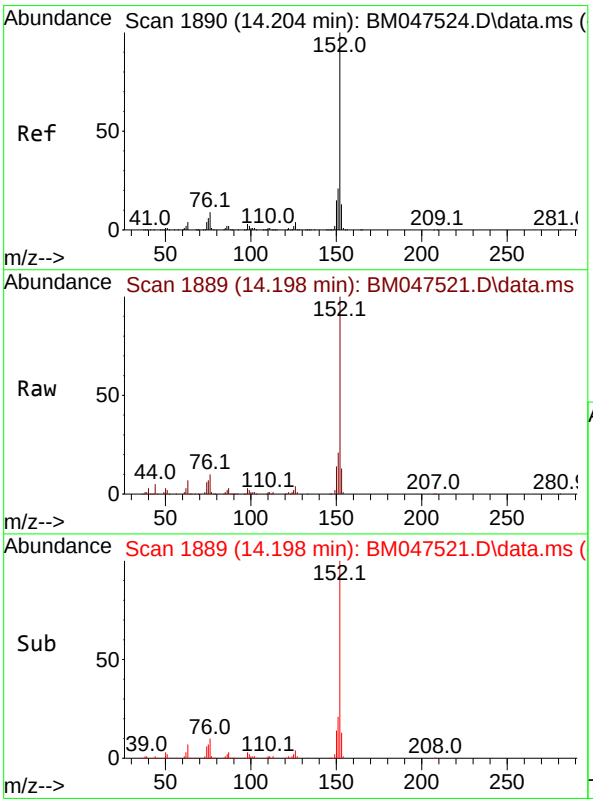
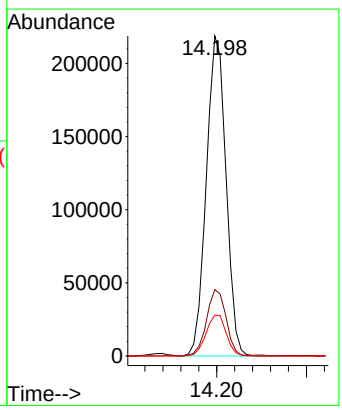
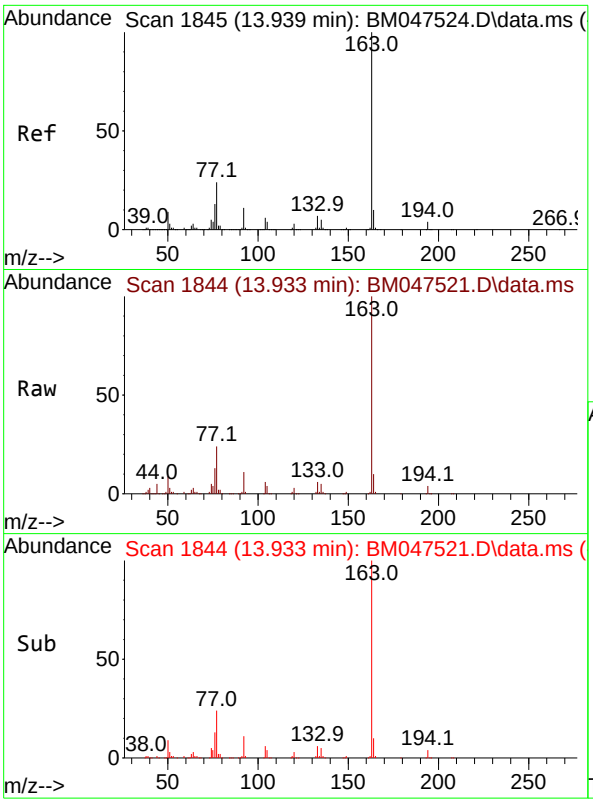


#49
Acenaphthylene
Concen: 4.607 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:152 Resp: 333972

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.5	24.7
153	12.8	10.4	15.6

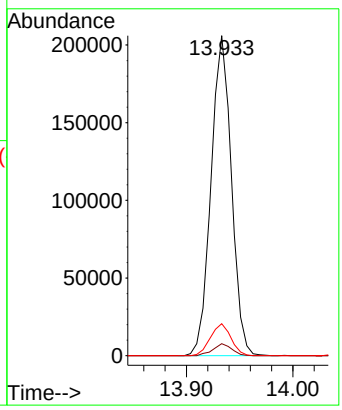




#50
Dimethylphthalate
Concen: 4.825 ng
RT: 13.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:163 Resp: 27346

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	10.0	7.9	11.9



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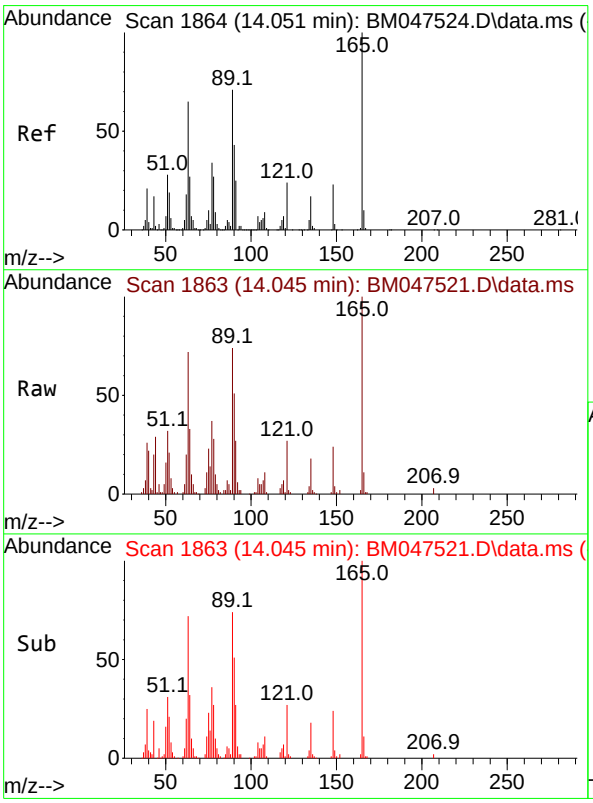
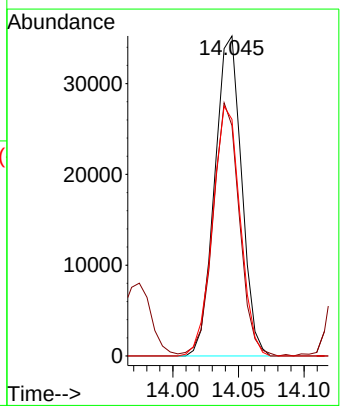
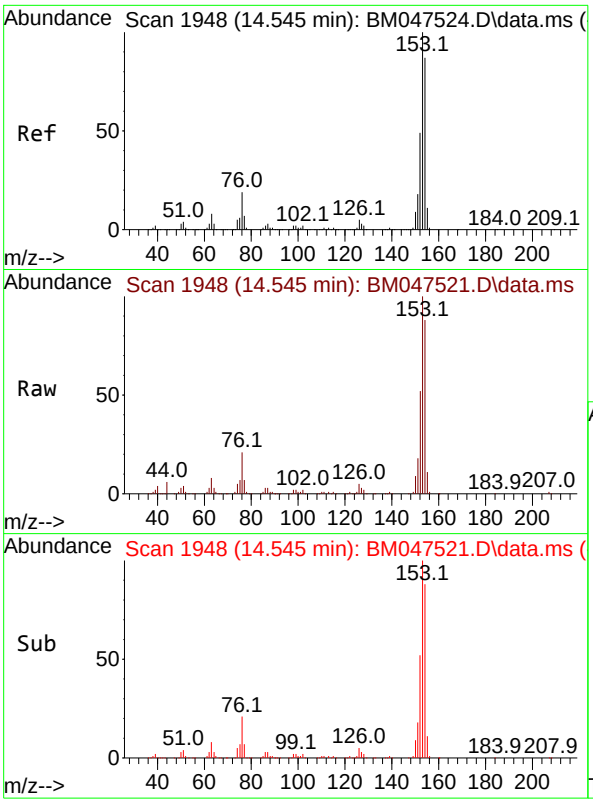


#51
2,6-Dinitrotoluene
Concen: 4.193 ng
RT: 14.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:165 Resp: 50163

Ion	Ratio	Lower	Upper
165	100		
63	72.0	54.2	81.2
89	74.0	56.4	84.6

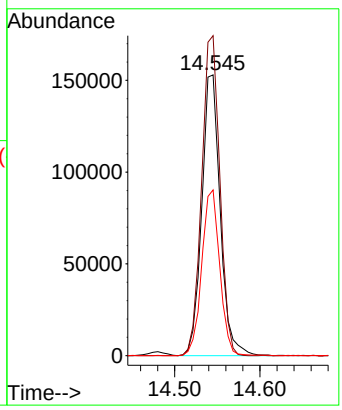




#52
Acenaphthene
Concen: 4.535 ng
RT: 14.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:154 Resp: 23033

Ion	Ratio	Lower	Upper
154	100		
153	113.9	92.2	138.2
152	59.0	45.4	68.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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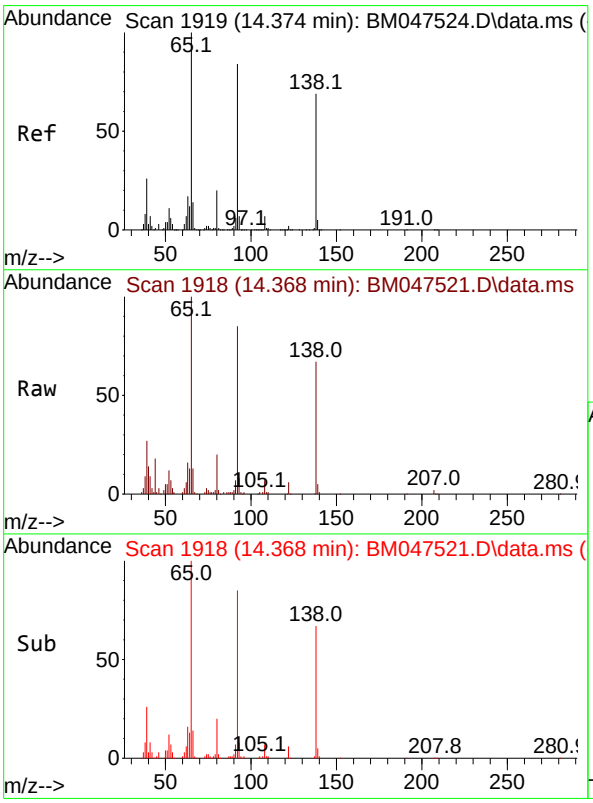
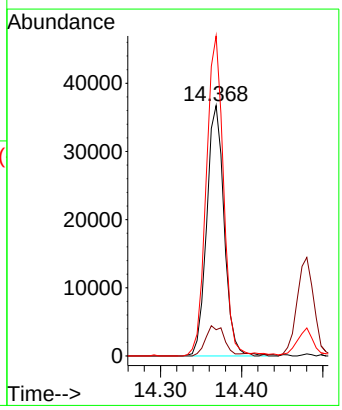
Supervised By :mohammad ahmed 09/17/2024

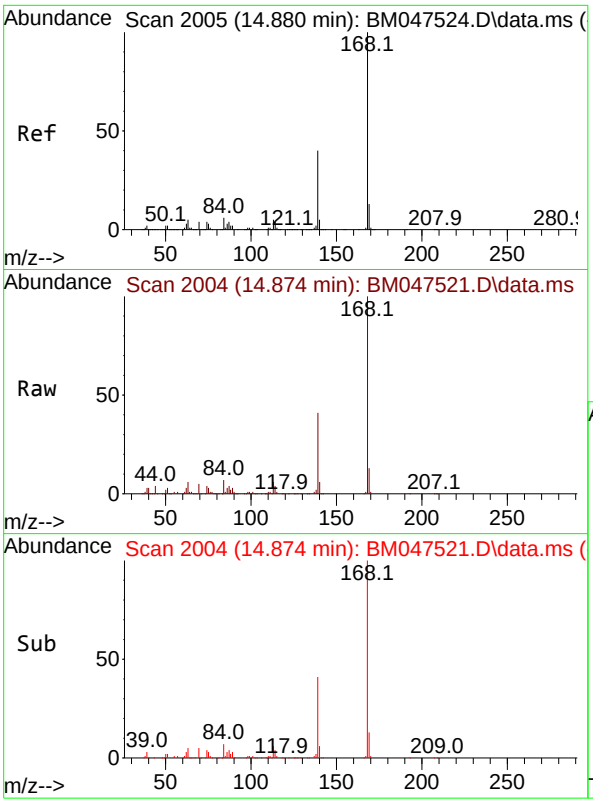


#53
3-Nitroaniline
Concen: 4.116 ng
RT: 14.368 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:138 Resp: 54733

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.0	12.0
92	127.8	97.4	146.0

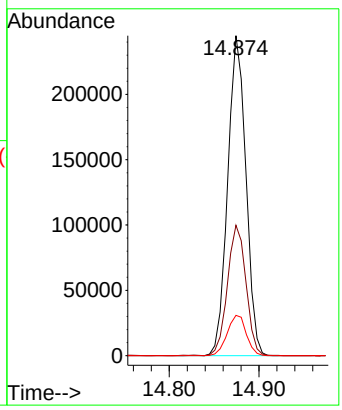




#55
Dibenzofuran
Concen: 4.832 ng
RT: 14.874 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:168 Resp: 34485

Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.9	47.9
169	12.6	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
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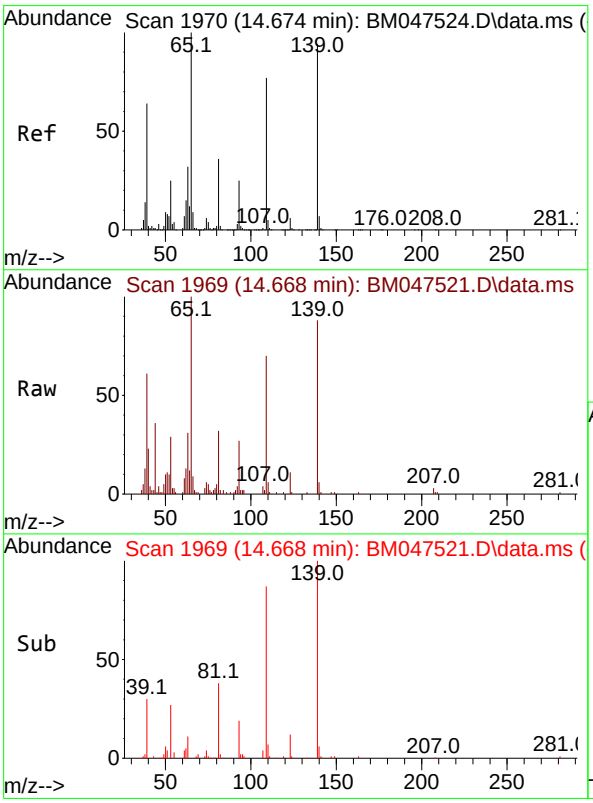
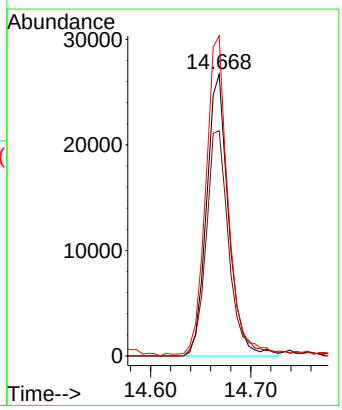
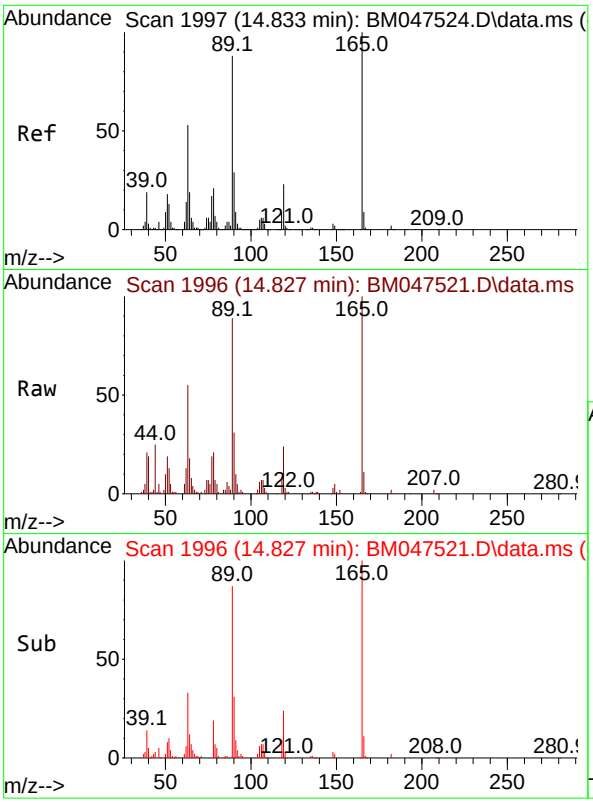


#56
4-Nitrophenol
Concen: 3.711 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:139 Resp: 40611

Ion	Ratio	Lower	Upper
139	100		
109	79.9	62.0	102.0
65	113.6	87.0	127.0

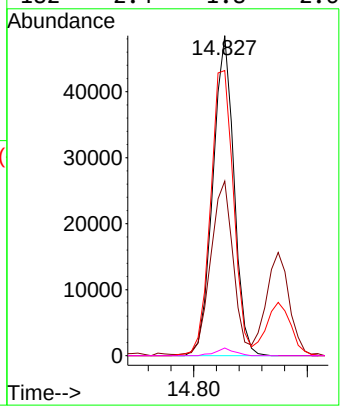




#57
2,4-Dinitrotoluene
Concen: 3.931 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:165 Resp: 6272

Ion	Ratio	Lower	Upper
165	100		
63	54.5	42.4	63.6
89	89.1	70.5	105.7
182	2.4	1.8	2.6



Instrument :
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ClientSampleId :
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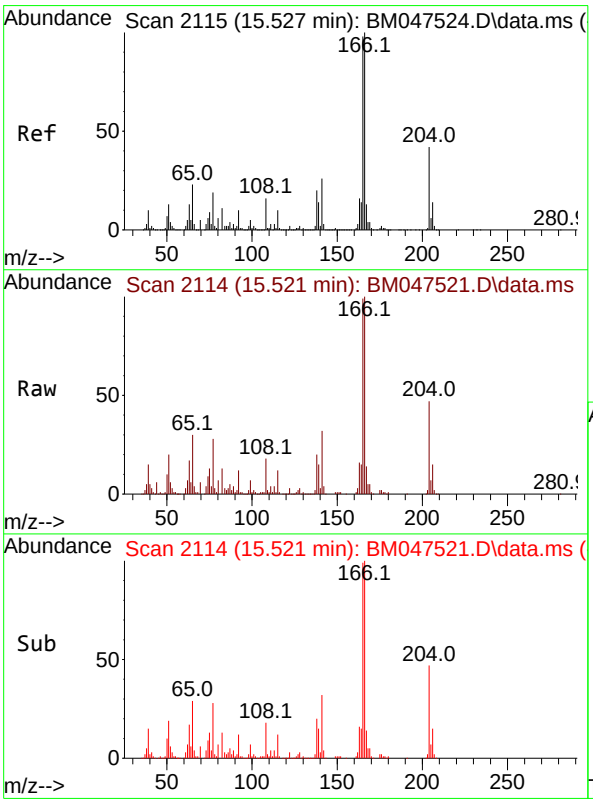
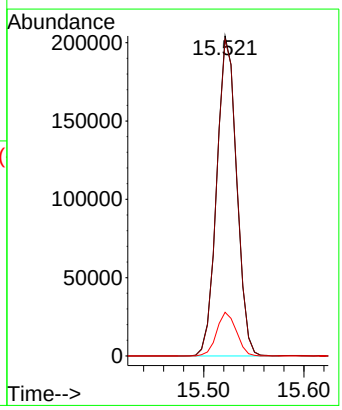
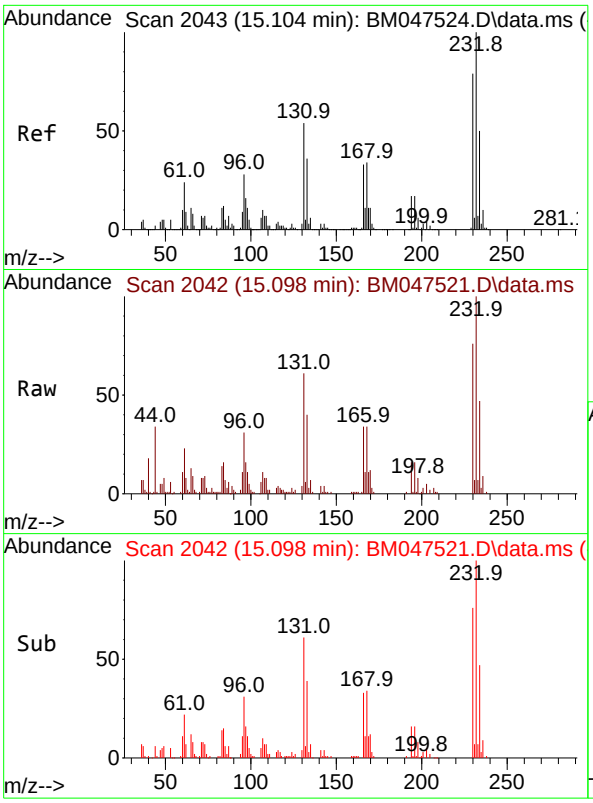


#58
Fluorene
Concen: 4.366 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:166 Resp: 280576

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.6	117.8
167	13.6	10.7	16.1

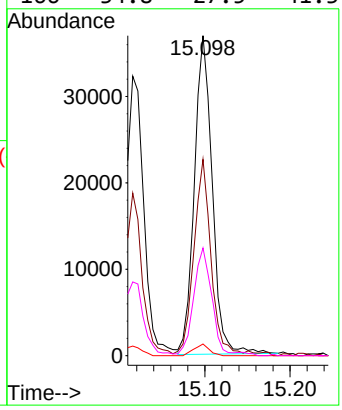




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.335 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:232 Resp: 5381

Ion	Ratio	Lower	Upper
232	100		
131	57.3	47.0	70.4
130	3.1	2.6	3.8
166	34.8	27.5	41.3



Instrument :
BNA_M
ClientSampleId :
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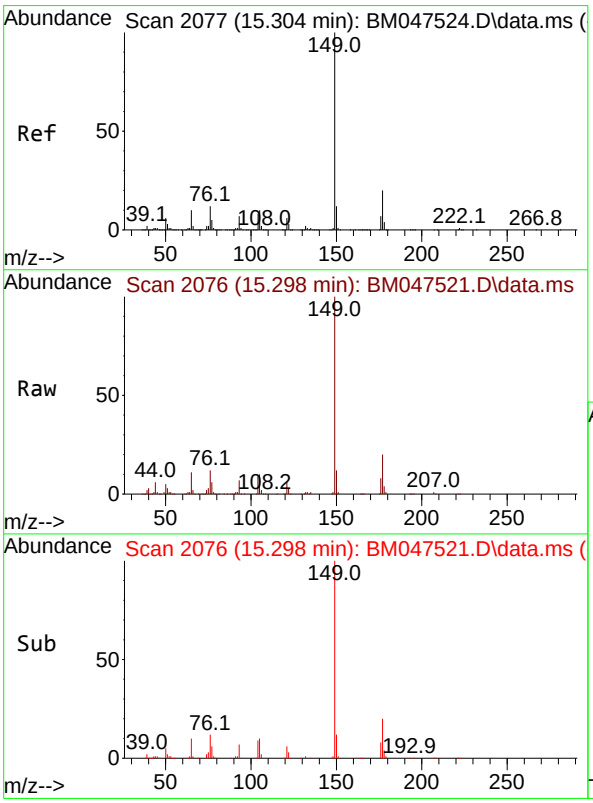
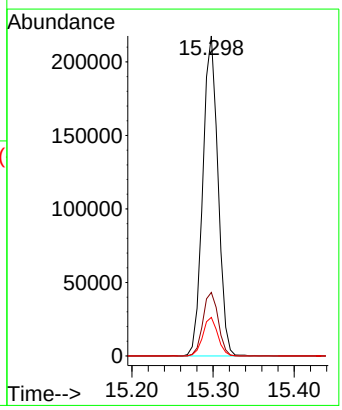
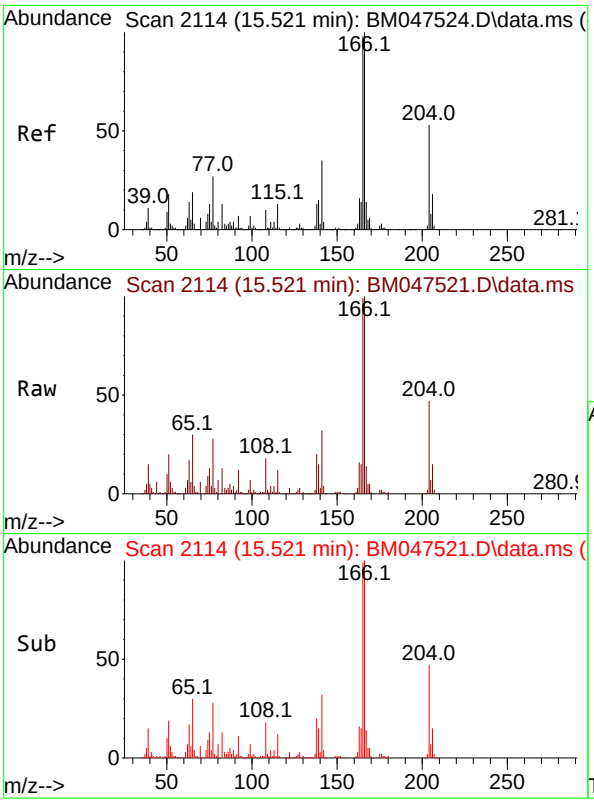


#60
Diethylphthalate
Concen: 4.681 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 282348

Ion	Ratio	Lower	Upper
149	100		
177	19.9	15.8	23.8
150	12.1	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 4.357 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:204 Resp: 12803

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	68.7	52.1	78.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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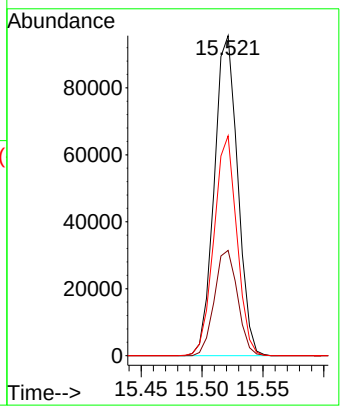
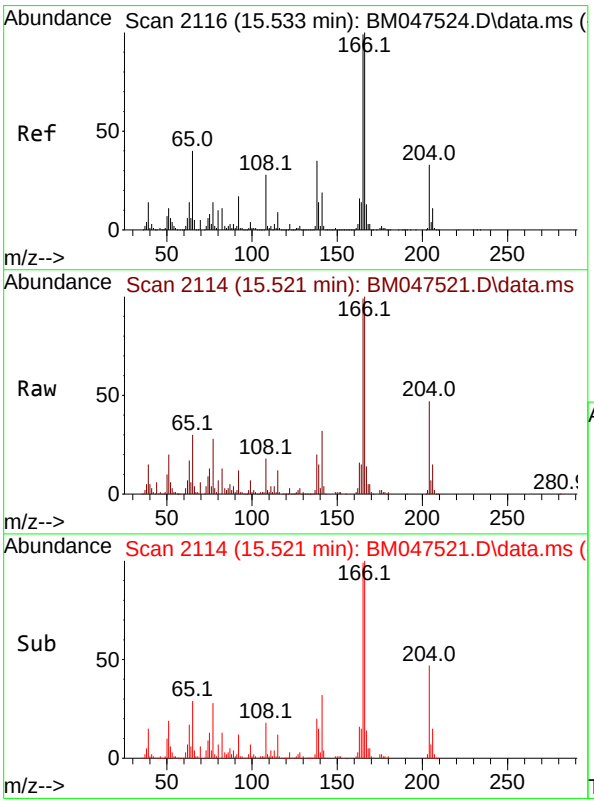
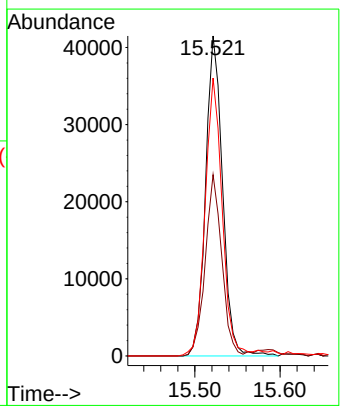


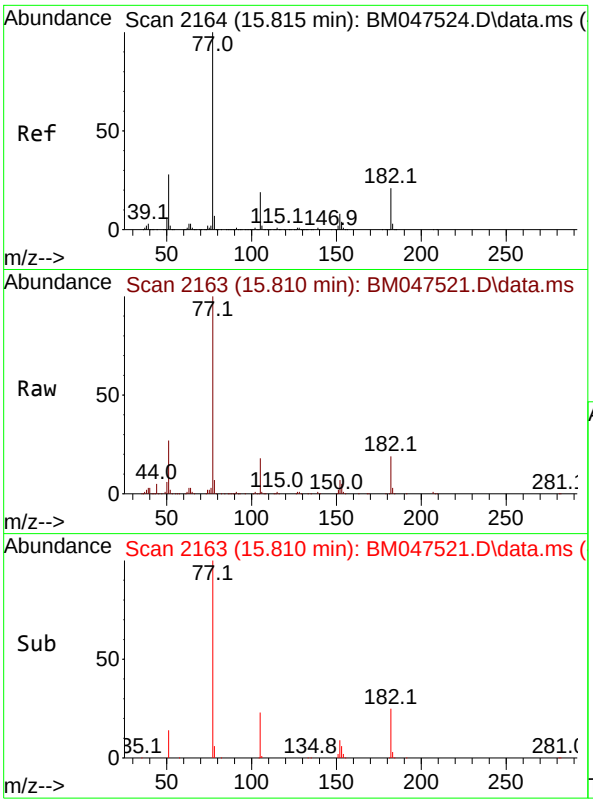


#62
4-Nitroaniline
Concen: 3.667 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:138 Resp: 57319

Ion	Ratio	Lower	Upper
138	100		
92	56.6	30.0	70.0
108	86.9	61.7	101.7

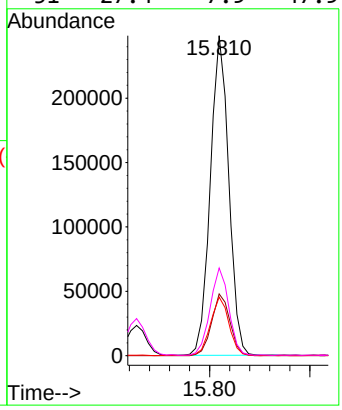




#63
Azobenzene
Concen: 4.777 ng
RT: 15.810 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 77 Resp: 31726

Ion	Ratio	Lower	Upper
77	100		
182	19.3	1.2	41.2
105	18.3	0.0	39.4
51	27.4	7.9	47.9



Instrument :
BNA_M
ClientSampleId :
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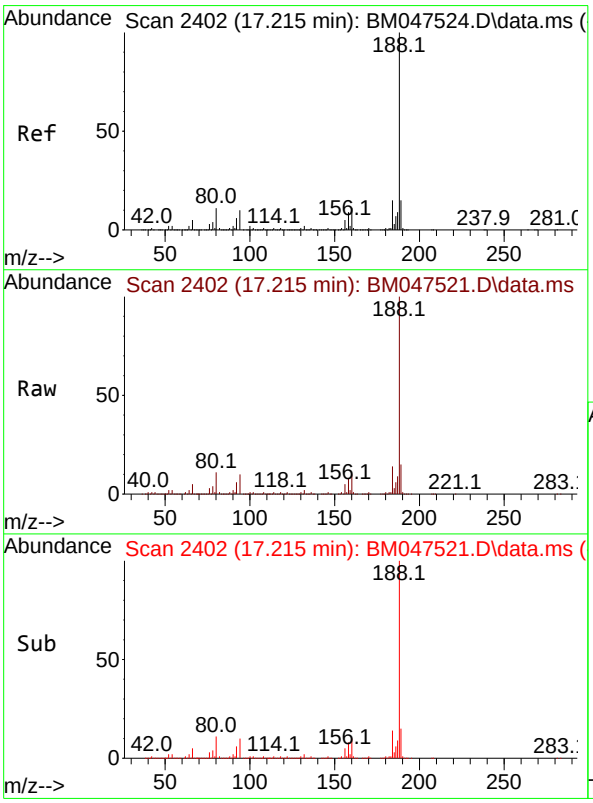
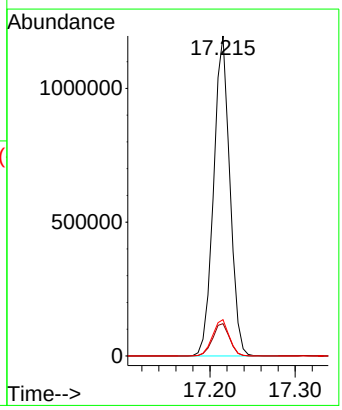
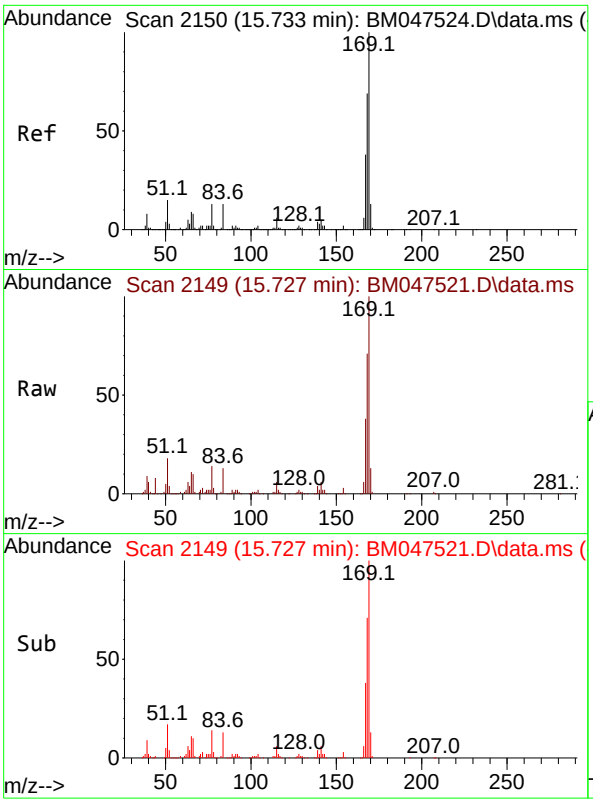


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:188 Resp: 1584025

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.4	12.6
80	11.3	9.1	13.7

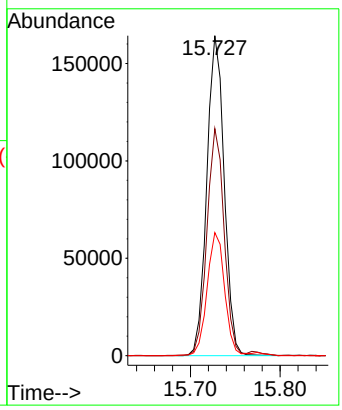




#66
n-Nitrosodiphenylamine
Concen: 4.559 ng
RT: 15.727 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:169 Resp: 22092

Ion	Ratio	Lower	Upper
169	100		
168	71.0	55.3	82.9
167	38.4	30.5	45.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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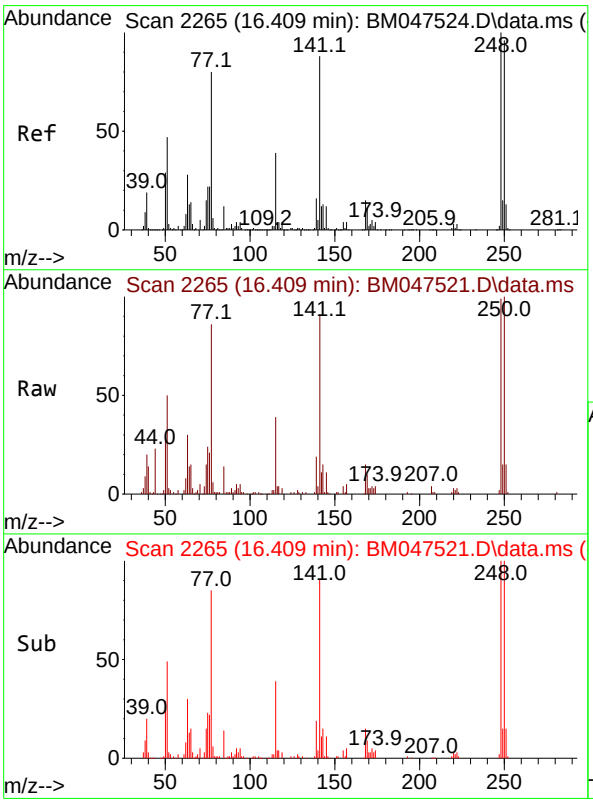
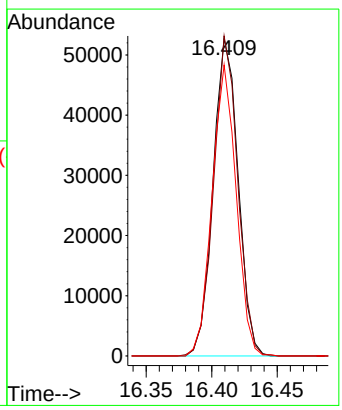
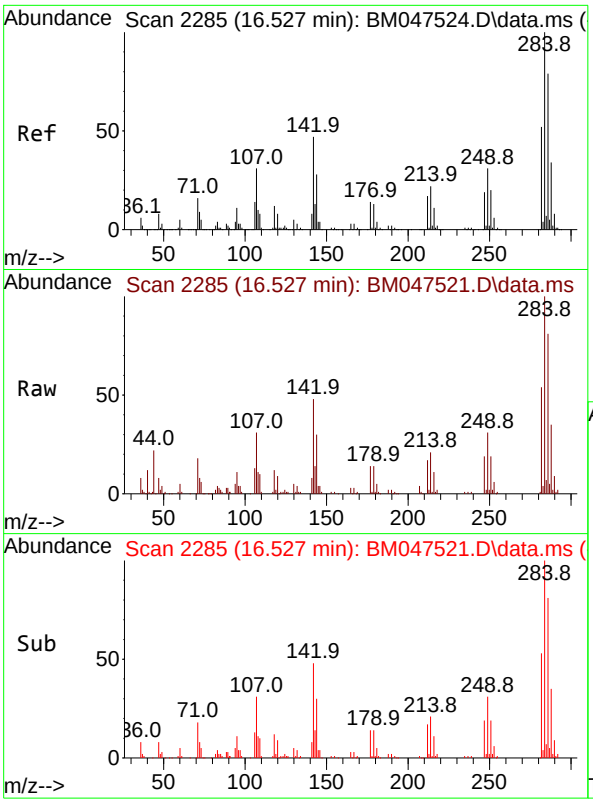


#67
4-Bromophenyl-phenylether
Concen: 4.538 ng
RT: 16.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:248 Resp: 69853

Ion	Ratio	Lower	Upper
248	100		
250	100.8	76.9	115.3
141	91.6	70.8	106.2

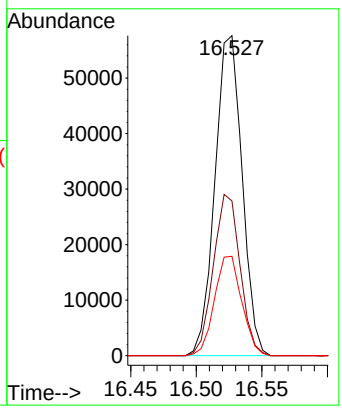




#68
Hexachlorobenzene
Concen: 4.761 ng
RT: 16.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:284 Resp: 8301

Ion	Ratio	Lower	Upper
284	100		
142	48.3	37.3	55.9
249	31.1	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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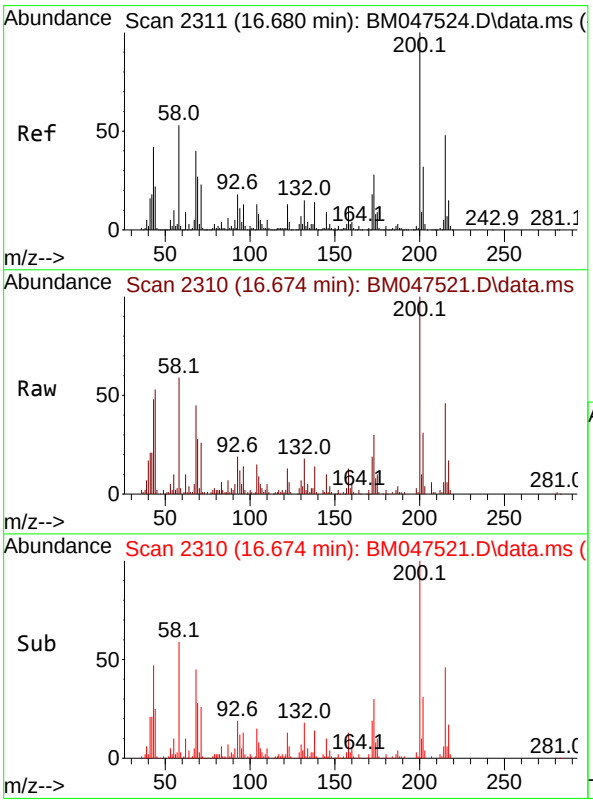
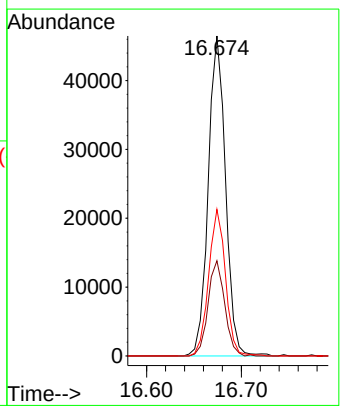
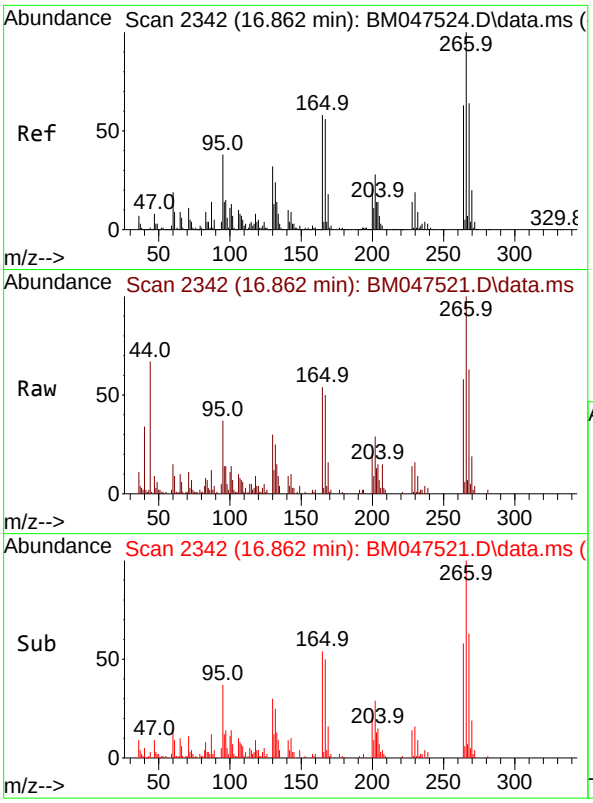


#69
Atrazine
Concen: 4.392 ng
RT: 16.674 min Scan# 2310
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:200 Resp: 58829

Ion	Ratio	Lower	Upper
200	100		
173	29.8	7.7	47.7
215	45.8	27.9	67.9

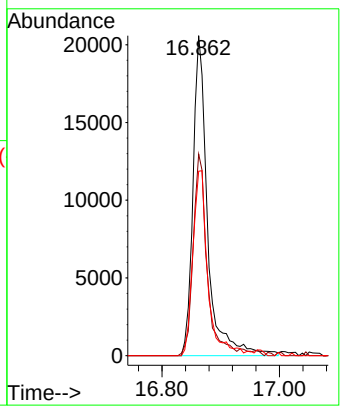




#70
Pentachlorophenol
Concen: 3.517 ng
RT: 16.862 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:266 Resp: 3554

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.0	76.4
264	57.6	50.4	75.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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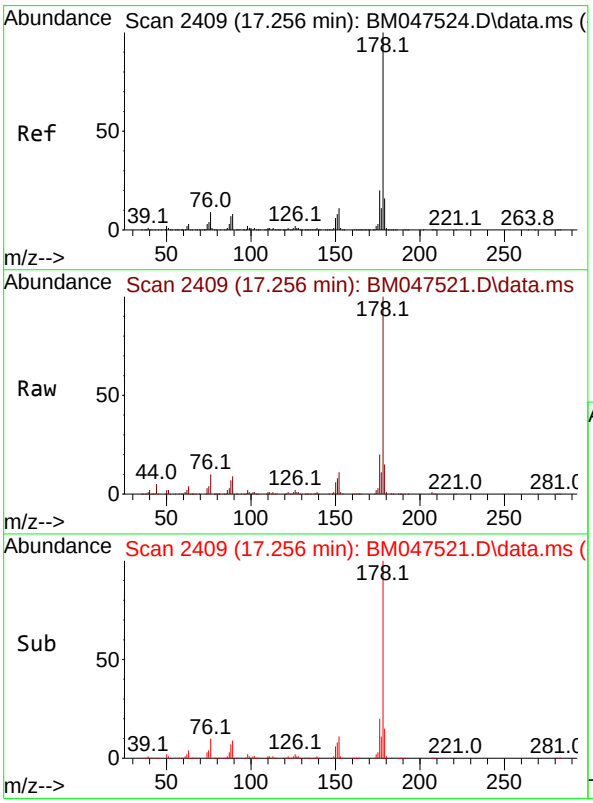
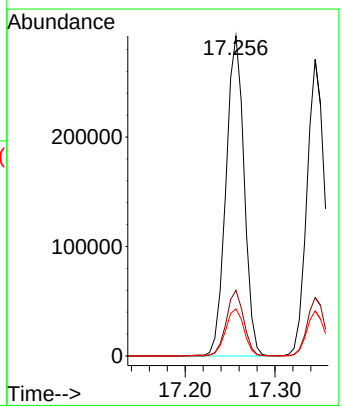
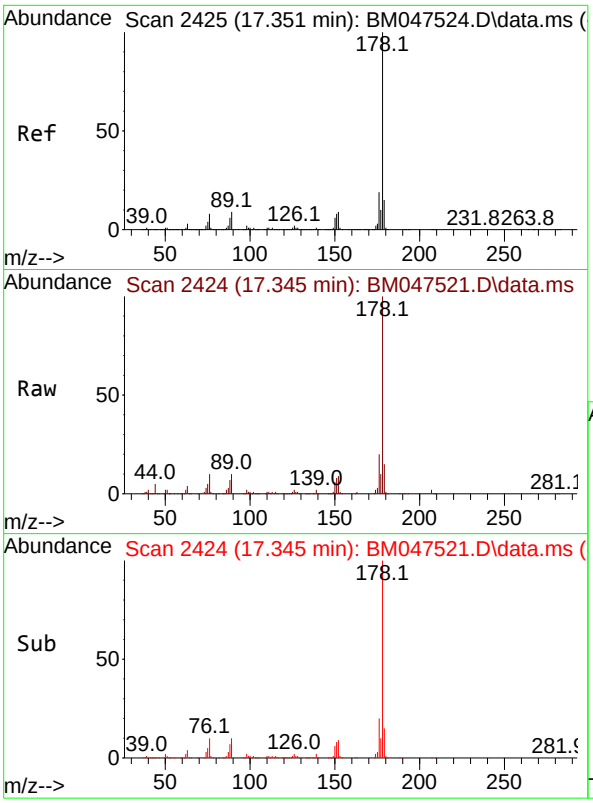


#71
Phenanthrene
Concen: 4.705 ng
RT: 17.256 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:178 Resp: 410689

Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.0	24.0
179	14.7	12.4	18.6

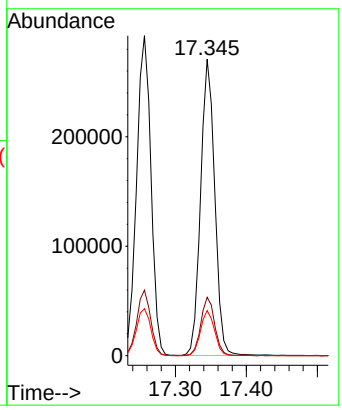




#72
Anthracene
Concen: 4.475 ng
RT: 17.345 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:178 Resp: 37532

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	15.2	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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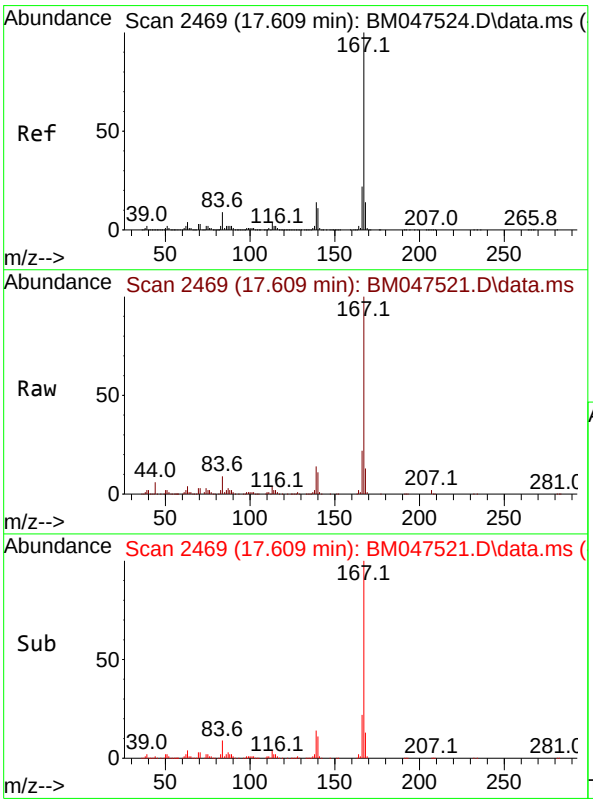
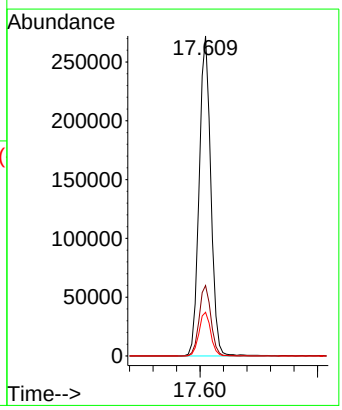
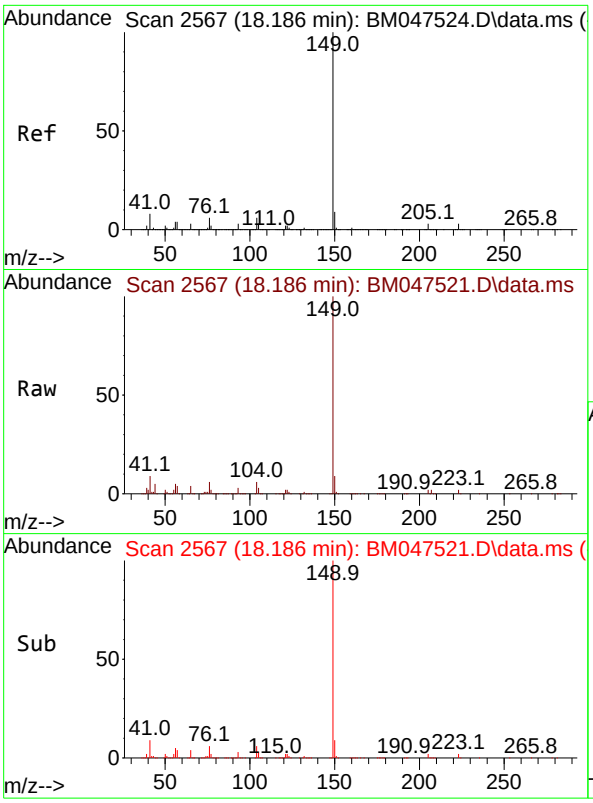


#73
Carbazole
Concen: 4.488 ng
RT: 17.609 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:167 Resp: 373067

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	13.6	11.0	16.6

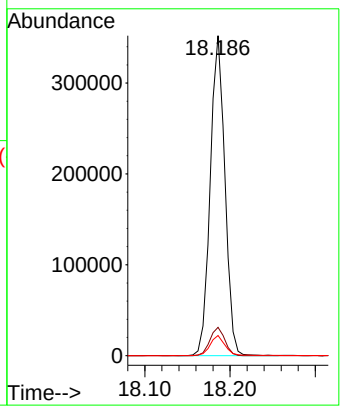




#74
Di-n-butylphthalate
Concen: 4.237 ng
RT: 18.186 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 42137

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	6.3	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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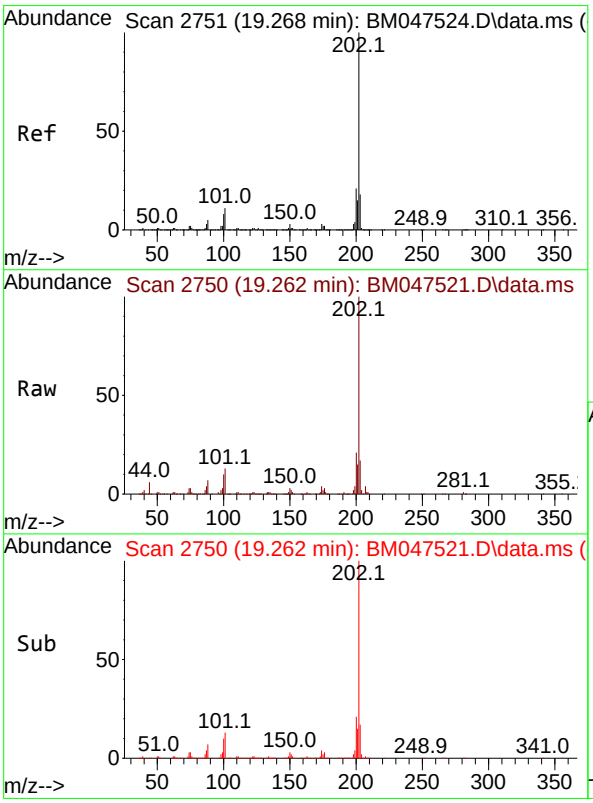
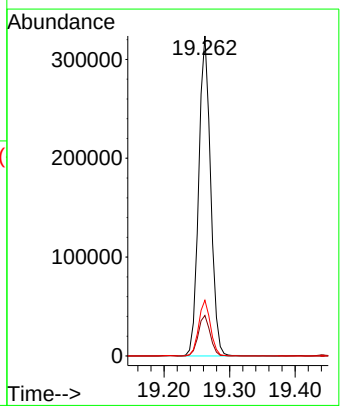
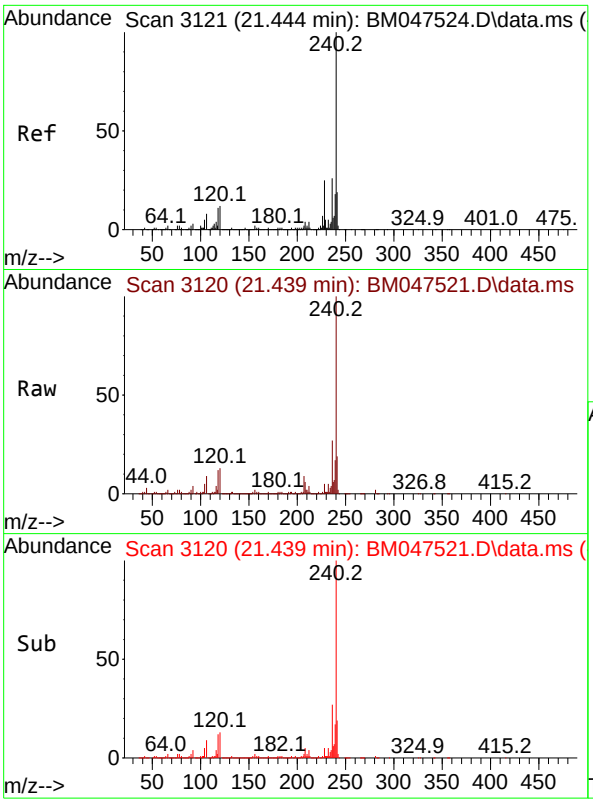


#75
Fluoranthene
Concen: 4.309 ng
RT: 19.262 min Scan# 2750
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:202 Resp: 410366

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.8
203	17.4	0.0	37.7

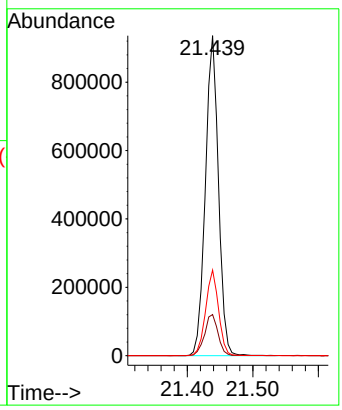




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:240 Resp: 129693

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.6	14.4
236	26.7	20.9	31.3



Instrument :
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ClientSampleId :
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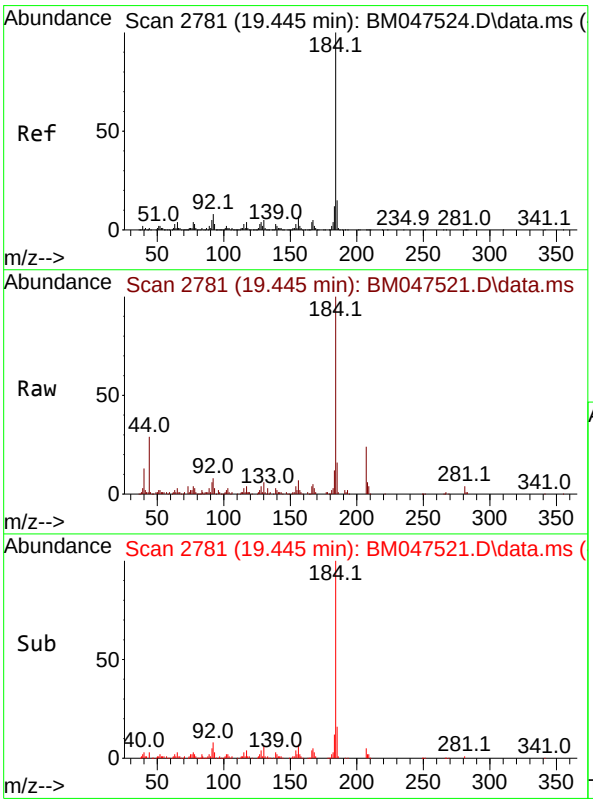
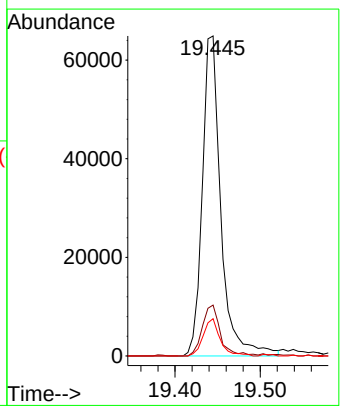
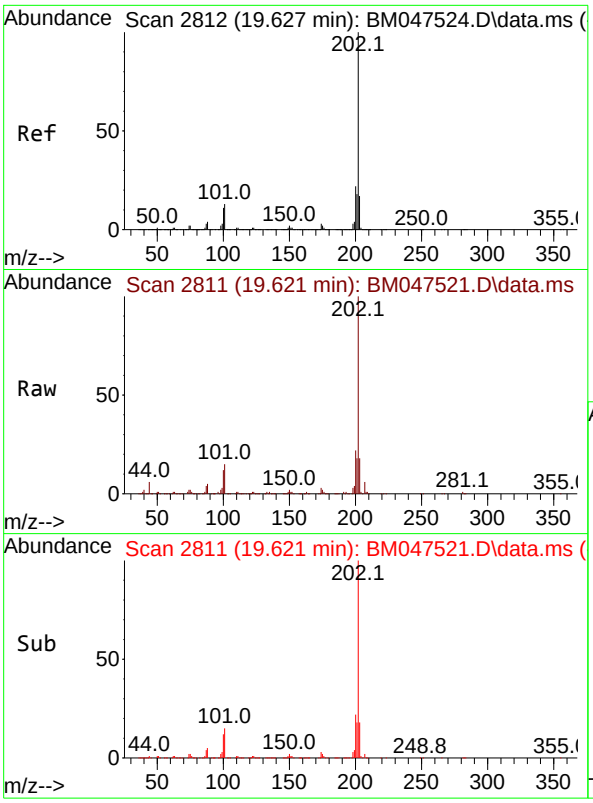


#77
Benzidine
Concen: 5.384 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:184 Resp: 98351

Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.2	18.2
183	11.7	9.6	14.4

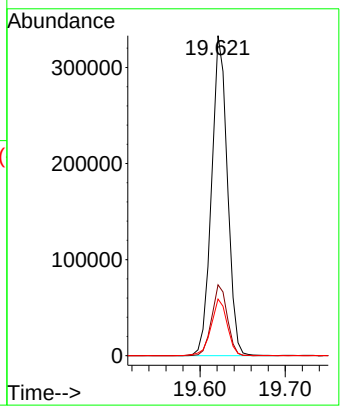




#78
Pyrene
Concen: 4.547 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:202 Resp: 43017

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.2	25.8
203	17.7	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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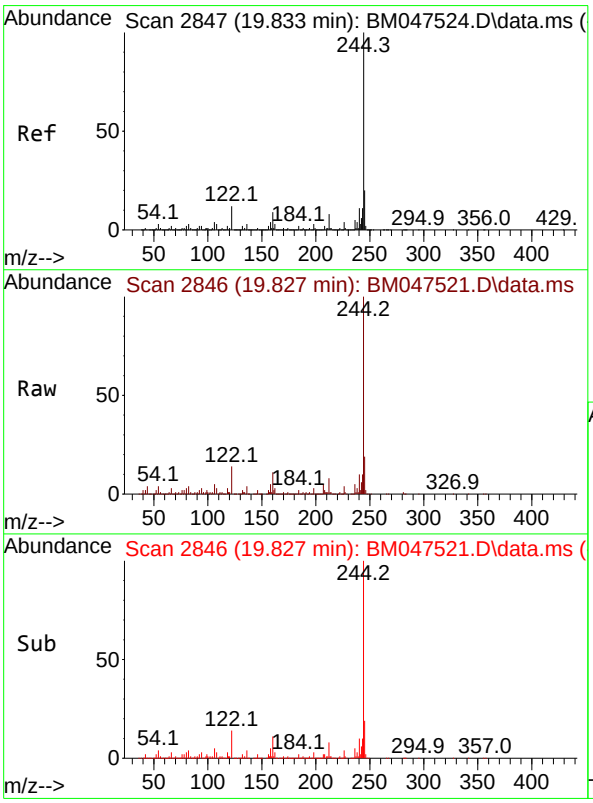
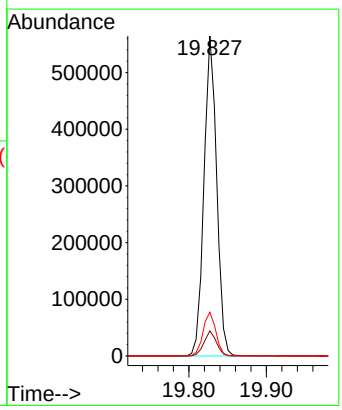
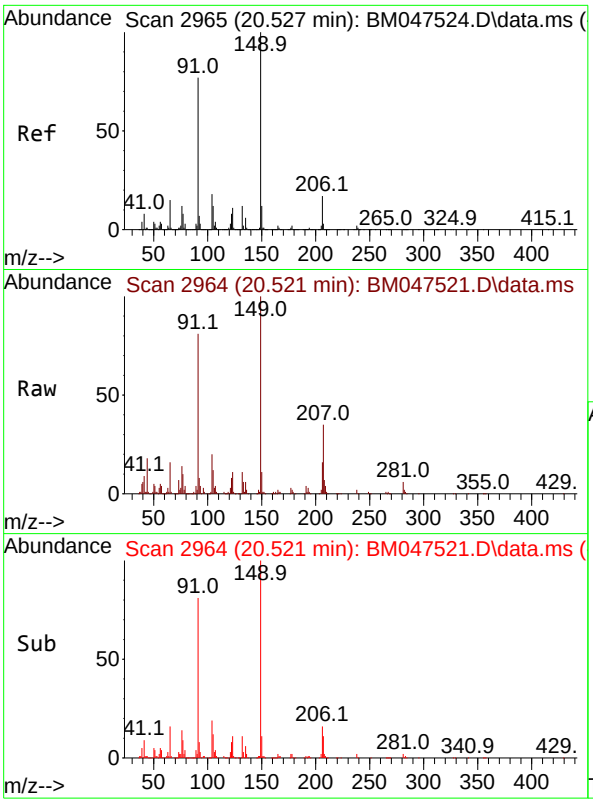


#79
Terphenyl-d14
Concen: 8.858 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:244 Resp: 641133

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	13.7	9.6	14.4

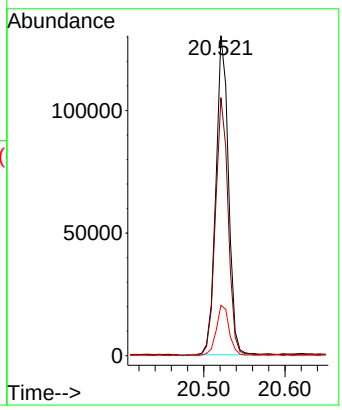




#80
Butylbenzylphthalate
Concen: 3.854 ng
RT: 20.521 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 14036

Ion	Ratio	Lower	Upper
149	100		
91	80.6	62.0	93.0
206	15.8	13.8	20.8



Instrument :
BNA_M
ClientSampleId :
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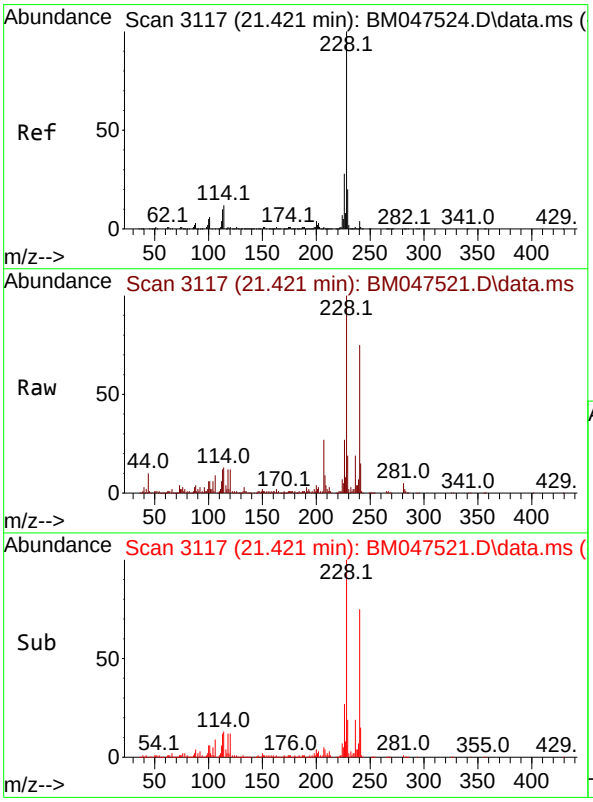
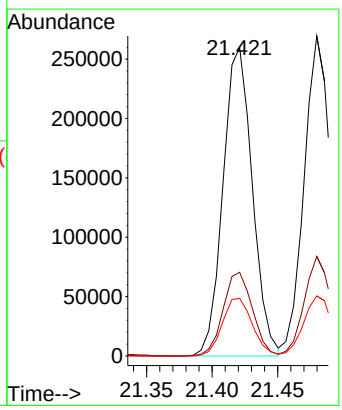
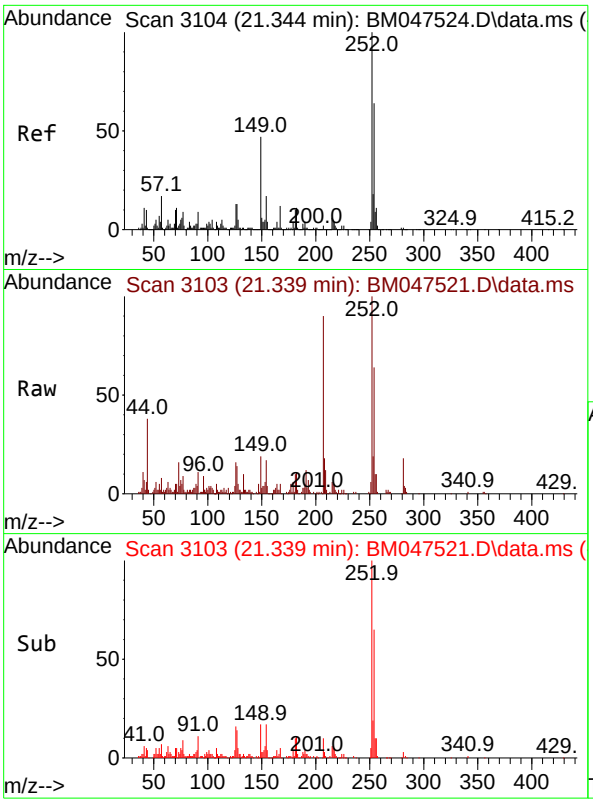


#81
Benzo(a)anthracene
Concen: 4.775 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:228 Resp: 403637

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.4	33.6
229	18.7	16.0	24.0

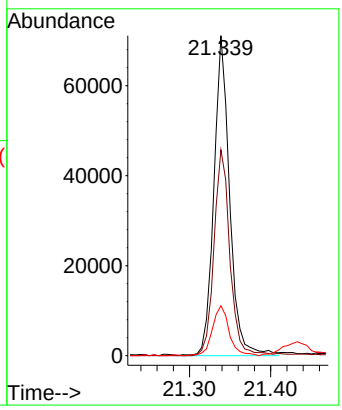




#82
3,3'-Dichlorobenzidine
Concen: 4.277 ng
RT: 21.339 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 9617

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	15.6	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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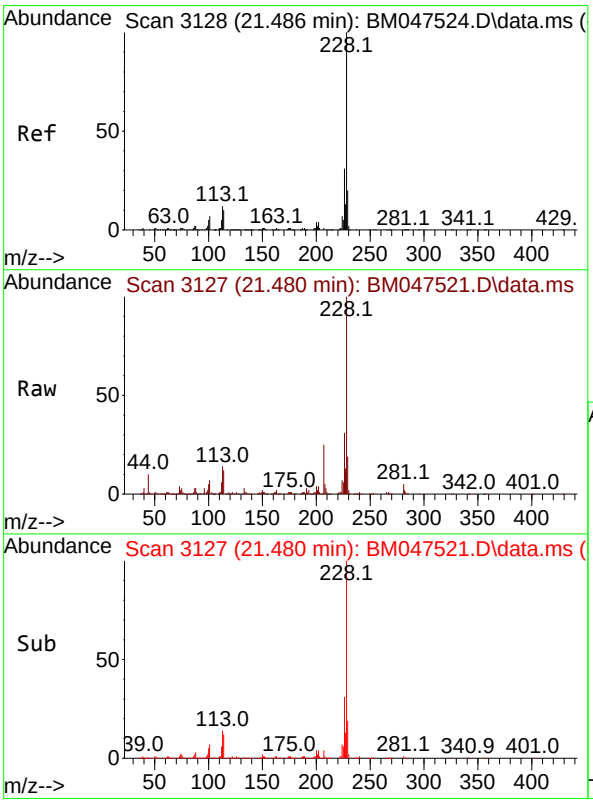
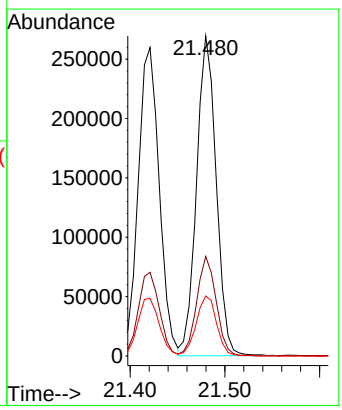
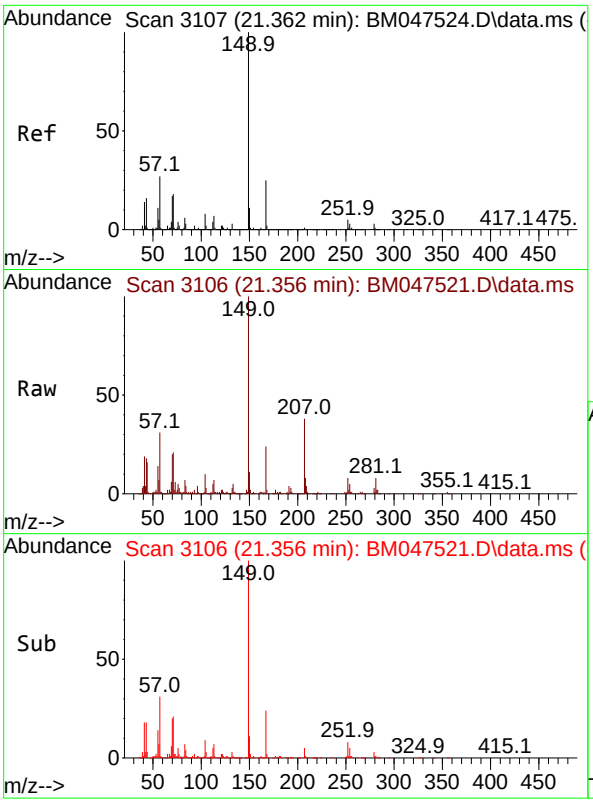


#83
Chrysene
Concen: 4.851 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:228 Resp: 387917

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	18.8	15.9	23.9

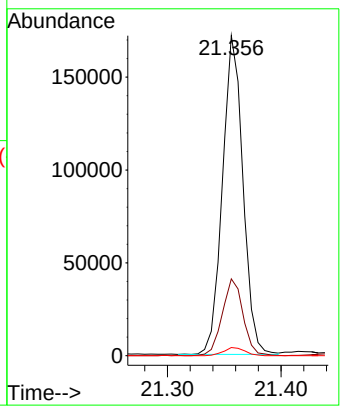




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.767 ng
RT: 21.356 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 21490

Ion	Ratio	Lower	Upper
149	100		
167	24.0	20.2	30.4
279	2.5	2.6	4.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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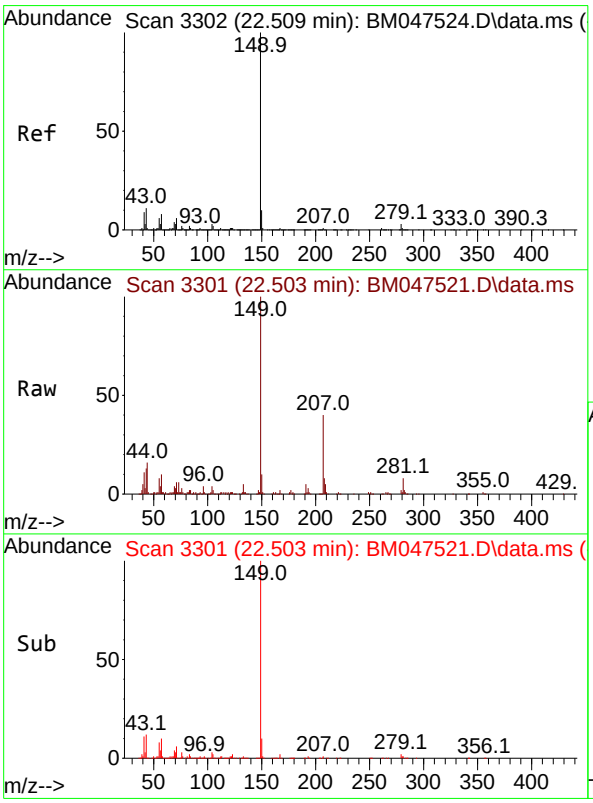
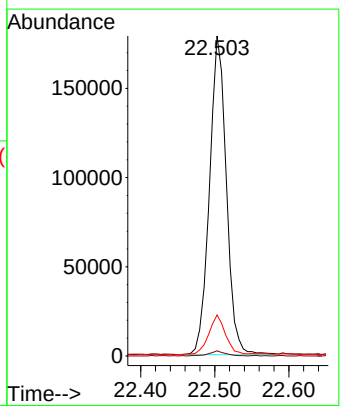
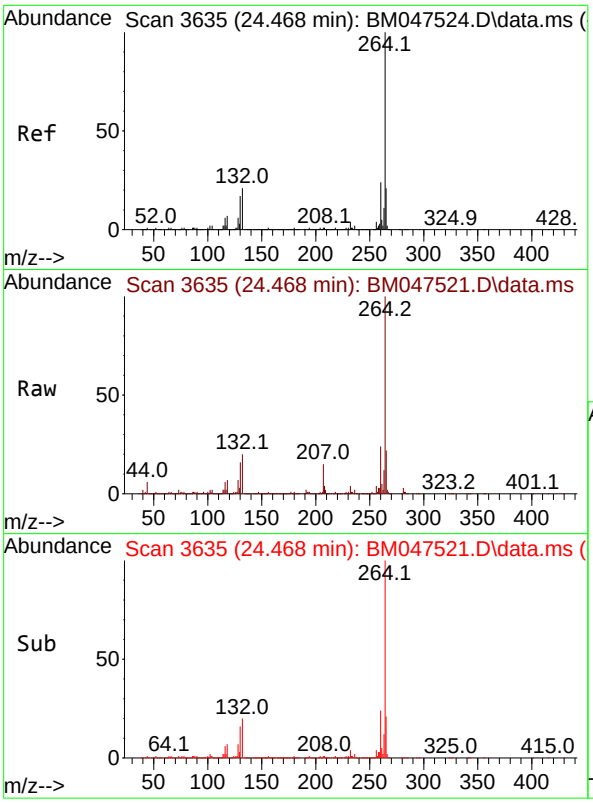


#85
Di-n-octyl phthalate
Concen: 3.506 ng
RT: 22.503 min Scan# 3301
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 282914

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	12.3	8.9	13.3

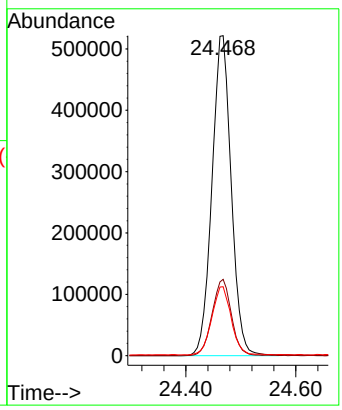




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:264 Resp: 126911

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.6	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
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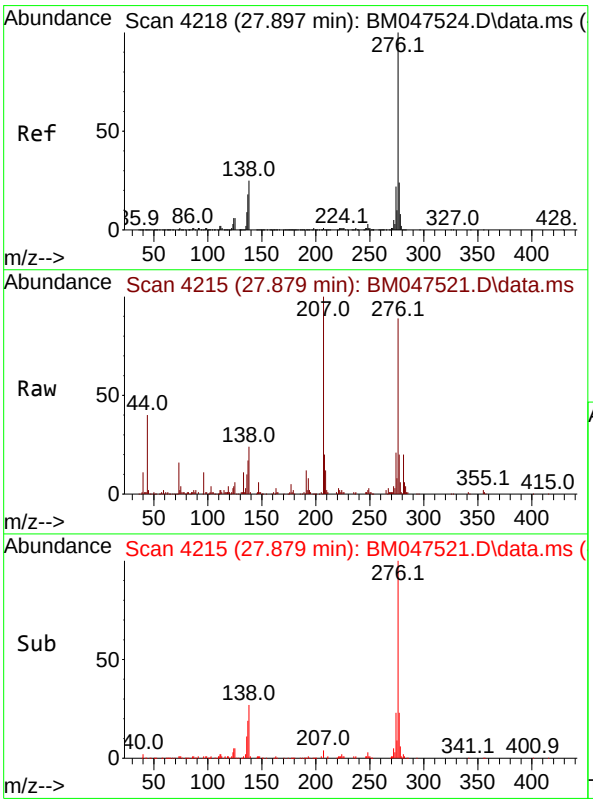
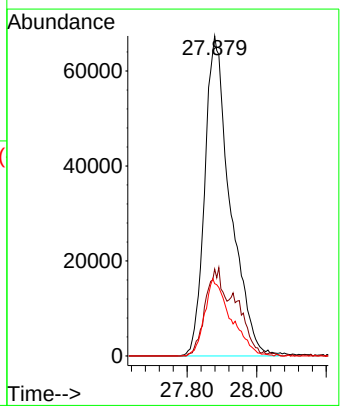
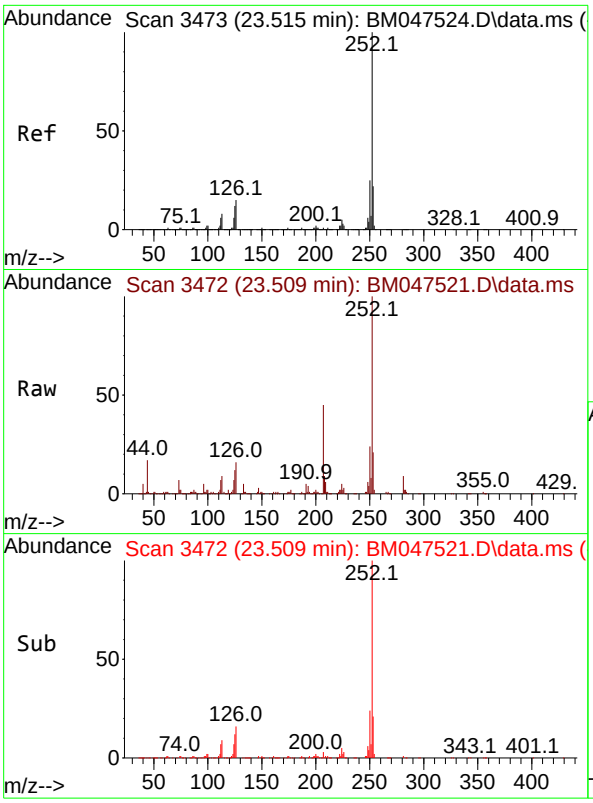


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.507 ng
RT: 27.879 min Scan# 4215
Delta R.T. -0.018 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:276 Resp: 342325

Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.0	37.6#
277	24.9	20.1	30.1

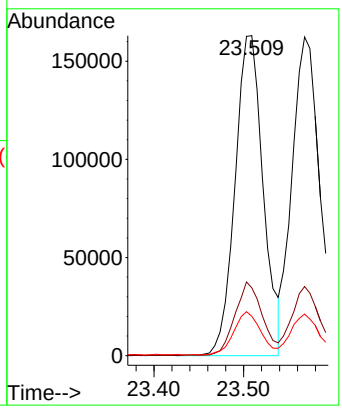




#88
Benzo(b)fluoranthene
Concen: 4.329 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 35548

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	12.3	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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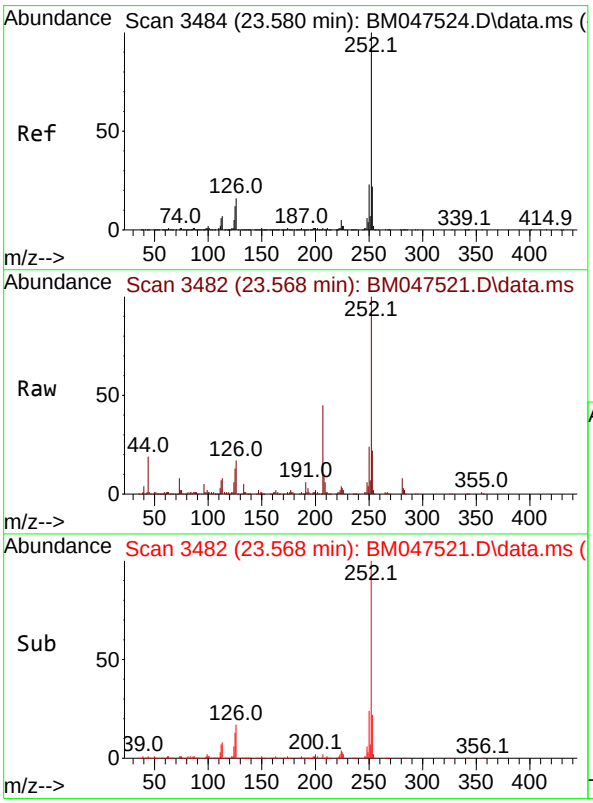
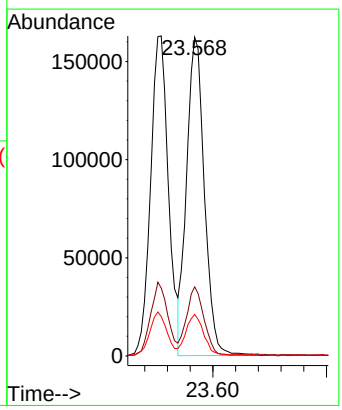
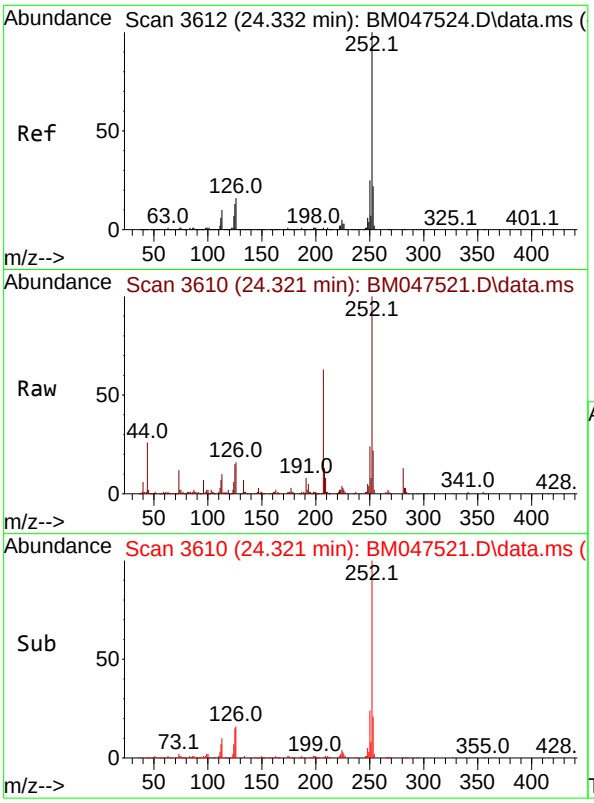


#89
Benzo(k)fluoranthene
Concen: 4.341 ng
RT: 23.568 min Scan# 3482
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 353260

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	13.1	9.5	14.3

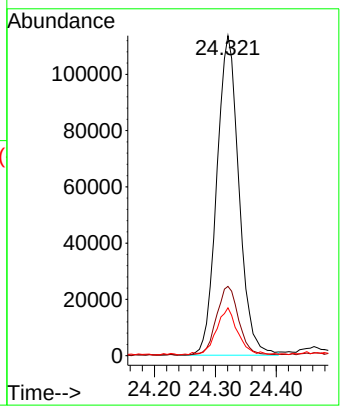




#90
Benzo(a)pyrene
Concen: 4.269 ng
RT: 24.321 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 28730

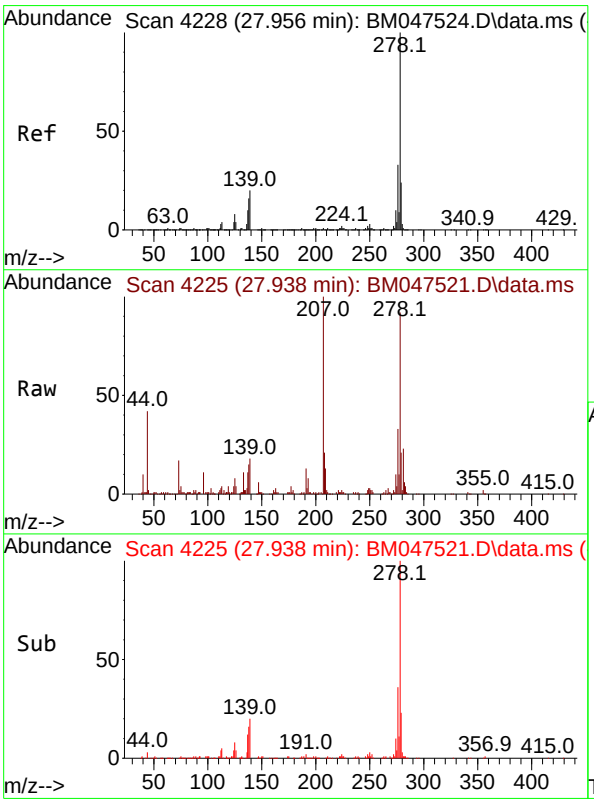
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	15.0	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

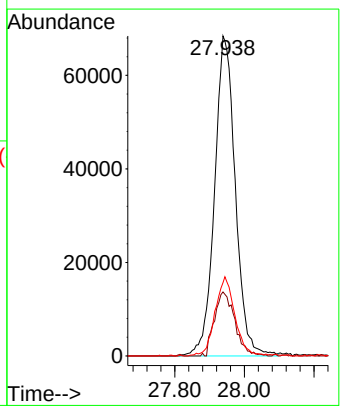
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

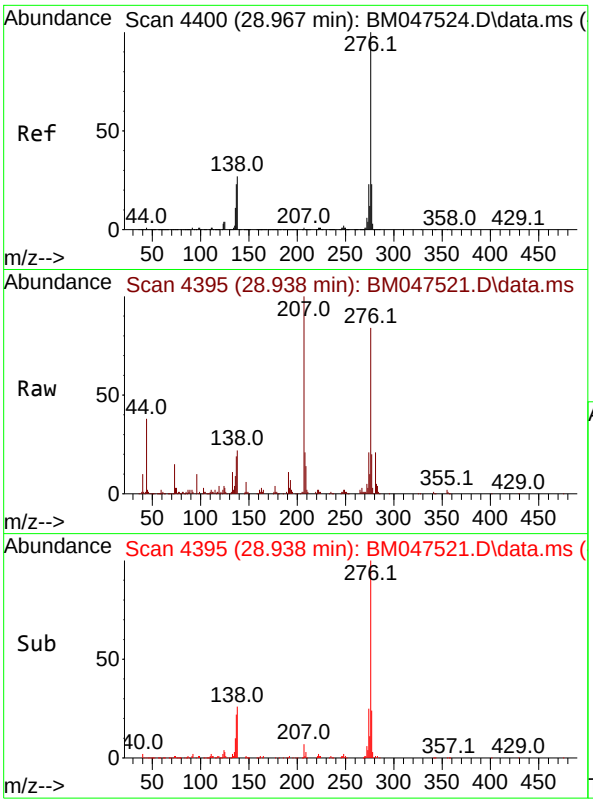


#91
Dibenzo(a,h)anthracene
Concen: 4.441 ng
RT: 27.938 min Scan# 4225
Delta R.T. -0.018 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:278 Resp: 283784

Ion	Ratio	Lower	Upper
278	100		
139	20.0	15.9	23.9
279	22.9	19.3	28.9

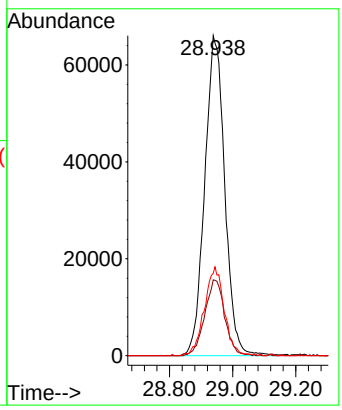




#92
Benzo(g,h,i)perylene
Concen: 4.661 ng
RT: 28.938 min Scan# 4
Delta R.T. -0.029 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:276 Resp: 29092

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	25.8	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.851	152	315787	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1384605	20.000	ng		0.00
39) Acenaphthene-d10	14.480	164	841449	20.000	ng		0.00
64) Phenanthrene-d10	17.215	188	1630578	20.000	ng		0.00
76) Chrysene-d12	21.439	240	1372489	20.000	ng		0.00
86) Perylene-d12	24.468	264	1311119	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	381501	19.236	ng		0.00
7) Phenol-d6	7.004	99	512647	18.354	ng		0.00
23) Nitrobenzene-d5	8.998	82	532043	19.231	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	134095	16.487	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	1089419	17.835	ng		0.00
79) Terphenyl-d14	19.827	244	1423577	18.586	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	88309	10.396	ng		97
3) Pyridine	3.716	79	251409	9.945	ng		98
4) n-Nitrosodimethylamine	3.628	42	115291	10.049	ng	#	96
6) Aniline	7.169	93	241475	9.752	ng		99
8) 2-Chlorophenol	7.410	128	208605	9.541	ng		97
9) Benzaldehyde	6.987	77	155621m	11.718	ng		
10) Phenol	7.034	94	265092	9.479	ng		99
11) bis(2-Chloroethyl)ether	7.269	93	223062	9.935	ng		99
12) 1,3-Dichlorobenzene	7.740	146	238748	9.976	ng		99
13) 1,4-Dichlorobenzene	7.887	146	242297	9.940	ng		98
14) 1,2-Dichlorobenzene	8.204	146	235510	9.818	ng		99
15) Benzyl Alcohol	8.081	79	173167	9.153	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.381	45	320677	10.153	ng		98
17) 2-Methylphenol	8.287	107	169473	9.486	ng		97
18) Hexachloroethane	8.934	117	95755	9.834	ng		99
19) n-Nitroso-di-n-propyla...	8.651	70	182215	9.676	ng		99
20) 3+4-Methylphenols	8.610	107	235709	9.455	ng		99
22) Acetophenone	8.663	105	352718	9.690	ng		98
24) Nitrobenzene	9.039	77	281172	9.890	ng		97
25) Isophorone	9.575	82	470185	9.667	ng		99
26) 2-Nitrophenol	9.757	139	80470	8.306	ng		97
27) 2,4-Dimethylphenol	9.816	122	140049	9.537	ng		99
28) bis(2-Chloroethoxy)met...	10.051	93	301673	9.874	ng		97
29) 2,4-Dichlorophenol	10.286	162	168270	9.019	ng		95
30) 1,2,4-Trichlorobenzene	10.510	180	204663	9.576	ng		99
31) Naphthalene	10.698	128	721252	9.645	ng		100
32) Benzoic acid	9.881	122	86588m	11.758	ng		
33) 4-Chloroaniline	10.798	127	258393	9.557	ng		98
34) Hexachlorobutadiene	10.992	225	114671	9.687	ng		97
35) Caprolactam	11.545	113	54845m	8.924	ng		
36) 4-Chloro-3-methylphenol	11.916	107	196835	9.206	ng		100
37) 2-Methylnaphthalene	12.304	142	465005	9.343	ng		99
38) 1-Methylnaphthalene	12.527	142	464087	9.383	ng		100
40) 1,2,4,5-Tetrachloroben...	12.675	216	206736	9.080	ng		99
41) Hexachlorocyclopentadiene	12.663	237	68457	9.197	ng		98
43) 2,4,6-Trichlorophenol	12.910	196	126475	8.866	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	145073	9.004	ng		98
46) 1,1'-Biphenyl	13.316	154	608567	9.295	ng		97
47) 2-Chloronaphthalene	13.357	162	478244	9.408	ng		98
48) 2-Nitroaniline	13.551	65	132239	8.856	ng		96
49) Acenaphthylene	14.198	152	672163	9.163	ng		100
50) Dimethylphthalate	13.933	163	550414	9.597	ng		99
51) 2,6-Dinitrotoluene	14.045	165	112135	9.262	ng		99
52) Acenaphthene	14.545	154	467519	9.096	ng		99
53) 3-Nitroaniline	14.369	138	119611	8.888	ng		97
54) 2,4-Dinitrophenol	14.574	184	33163	9.768	ng		93
55) Dibenzofuran	14.874	168	677086	9.374	ng		98
56) 4-Nitrophenol	14.669	139	97384	8.794	ng		98
57) 2,4-Dinitrotoluene	14.827	165	142048	8.797	ng		96
58) Fluorene	15.521	166	579655	8.914	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	113929	9.069	ng		97
60) Diethylphthalate	15.298	149	578136	9.472	ng		100
61) 4-Chlorophenyl-phenyle...	15.521	204	263120	8.849	ng		97
62) 4-Nitroaniline	15.527	138	132564	8.380	ng		98
63) Azobenzene	15.810	77	655893	9.759	ng		97
65) 4,6-Dinitro-2-methylph...	15.592	198	49684	12.260	ng		97
66) n-Nitrosodiphenylamine	15.727	169	445180	8.925	ng		98
67) 4-Bromophenyl-phenylether	16.410	248	138443	8.738	ng		97
68) Hexachlorobenzene	16.527	284	160144	8.922	ng		99
69) Atrazine	16.674	200	126086	9.145	ng		97
70) Pentachlorophenol	16.862	266	82092	7.890	ng		96
71) Phenanthrene	17.257	178	814486	9.064	ng		99
72) Anthracene	17.345	178	765298	8.864	ng		99
73) Carbazole	17.609	167	770982	9.011	ng		99
74) Di-n-butylphthalate	18.186	149	894326	8.736	ng		100
75) Fluoranthene	19.262	202	851416	8.684	ng		98
77) Benzidine	19.445	184	219784	11.370	ng		99
78) Pyrene	19.621	202	903792	9.028	ng		99
80) Butylbenzylphthalate	20.521	149	325275	8.440	ng		95
81) Benzo(a)anthracene	21.421	228	837076	9.357	ng		100
82) 3,3'-Dichlorobenzidine	21.339	252	223939	9.410	ng		97
83) Chrysene	21.480	228	808300	9.553	ng		99
84) Bis(2-ethylhexyl)phtha...	21.356	149	522491	8.654	ng	#	98
85) Di-n-octyl phthalate	22.503	149	715606	8.380	ng		98
87) Indeno(1,2,3-cd)pyrene	27.879	276	704555	8.979	ng		99
88) Benzo(b)fluoranthene	23.509	252	748473	8.823	ng		99
89) Benzo(k)fluoranthene	23.568	252	741238	8.816	ng		98
90) Benzo(a)pyrene	24.321	252	616575	8.868	ng		98
91) Dibenzo(a,h)anthracene	27.944	278	585954	8.876	ng		100
92) Benzo(g,h,i)perylene	28.950	276	578576	8.972	ng		98

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

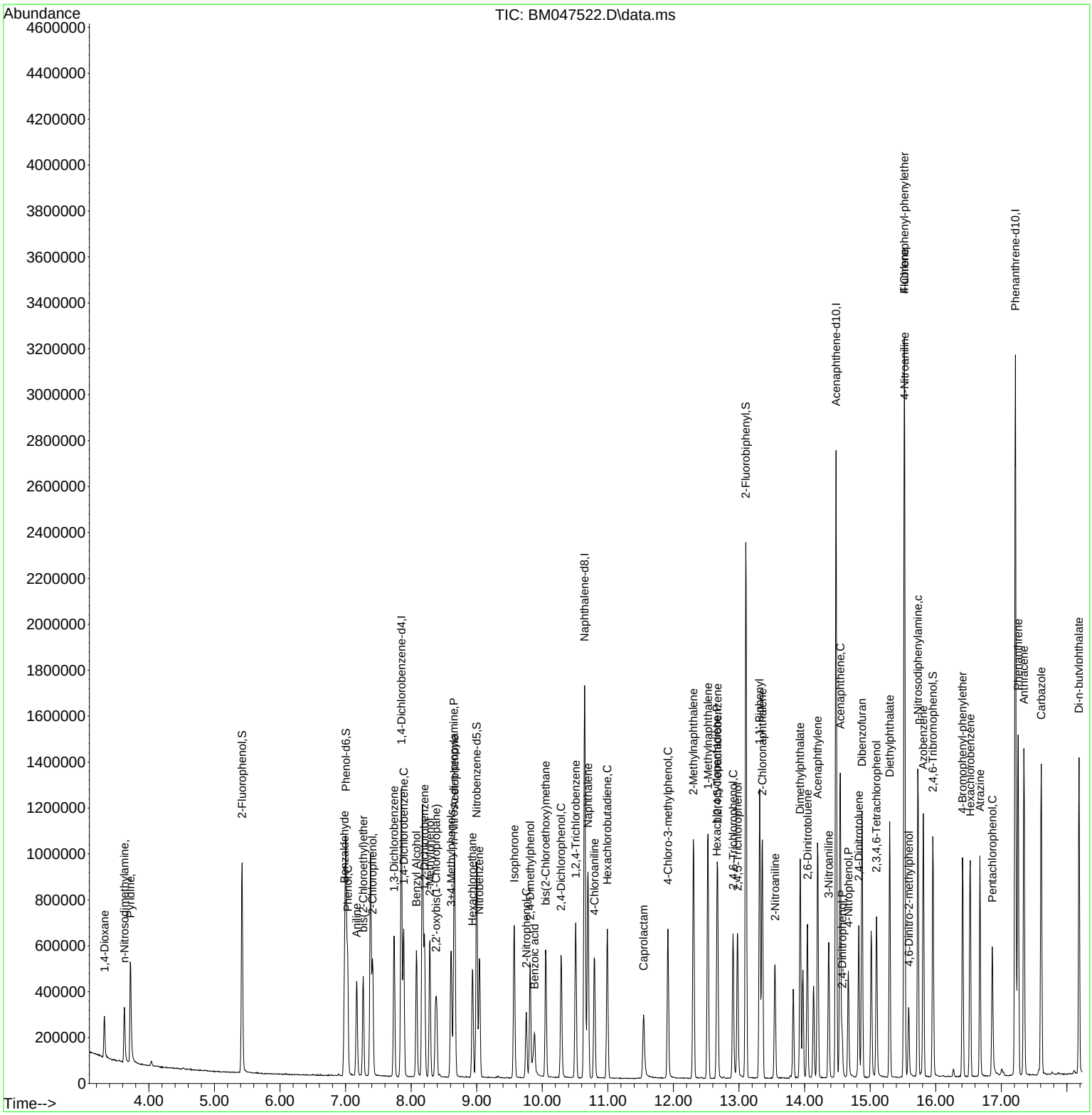
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
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Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
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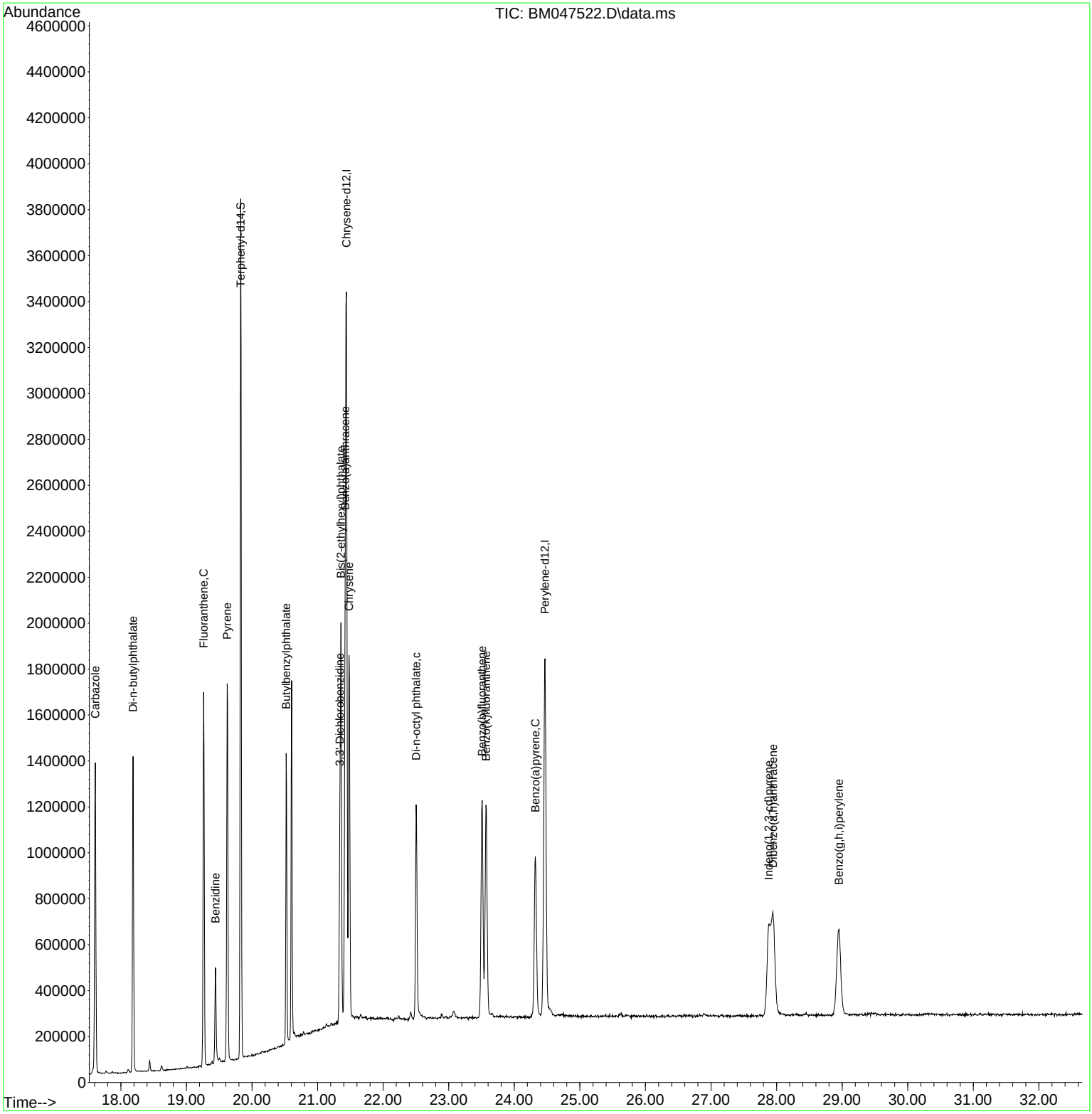
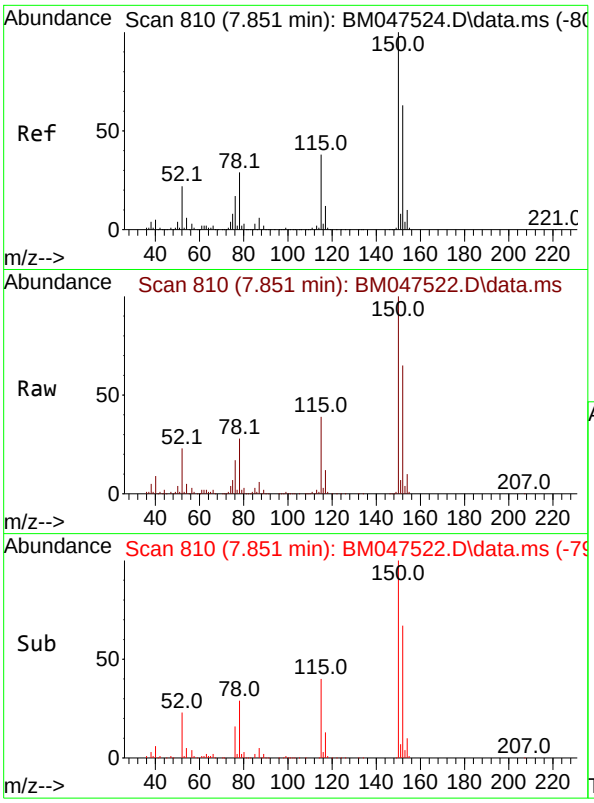
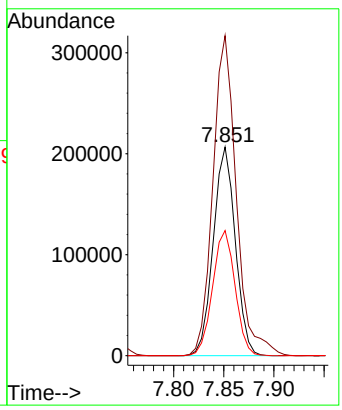




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:152 Resp: 31578

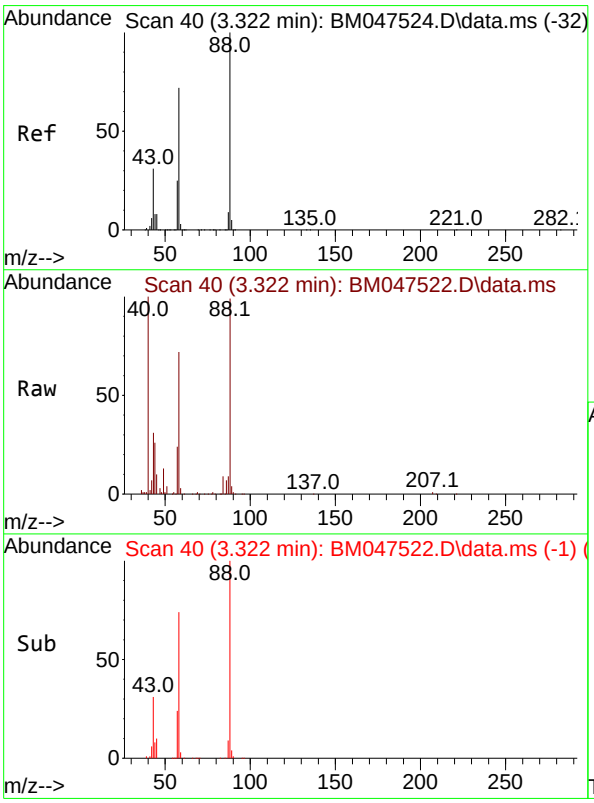
Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.8	190.2
115	59.9	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

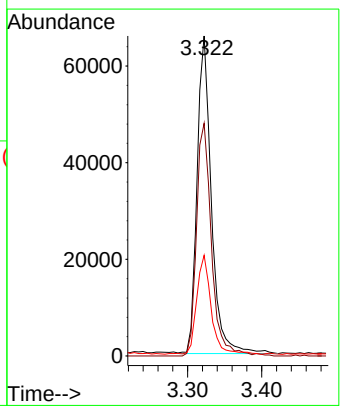
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

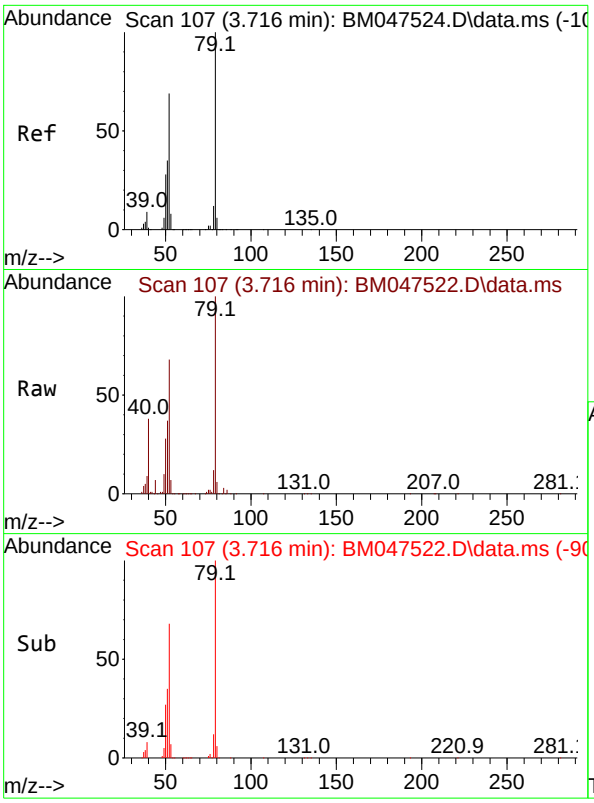


#2
1,4-Dioxane
Concen: 10.396 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 88 Resp: 88309

Ion	Ratio	Lower	Upper
88	100		
58	76.7	59.0	88.6
43	31.6	25.0	37.4

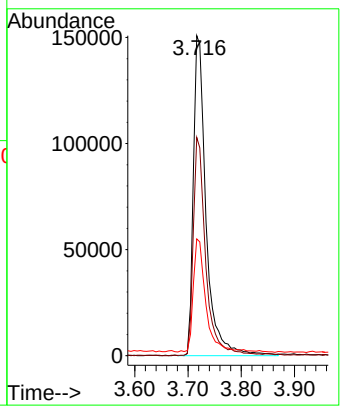




#3
Pyridine
Concen: 9.945 ng
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 79 Resp: 25140

Ion	Ratio	Lower	Upper
79	100		
52	68.2	55.4	83.0
51	36.5	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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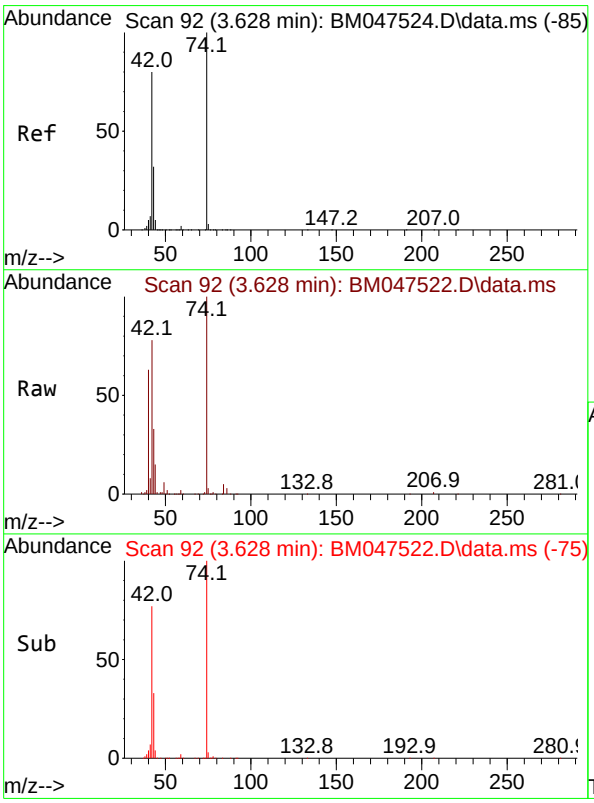
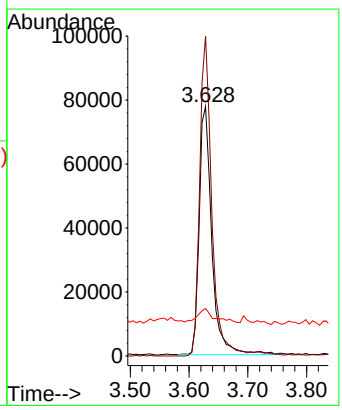
Supervised By :mohammad ahmed 09/17/2024

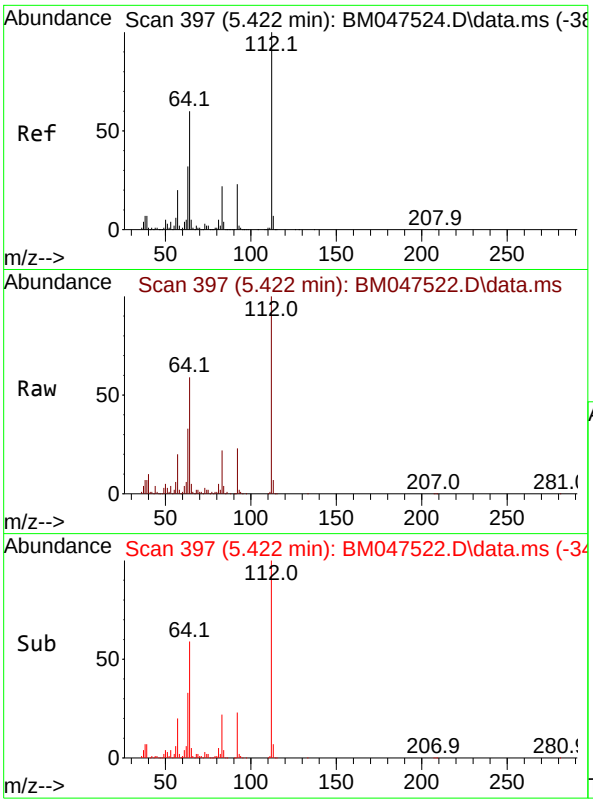


#4
n-Nitrosodimethylamine
Concen: 10.049 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 42 Resp: 115291

Ion	Ratio	Lower	Upper
42	100		
74	128.3	100.5	150.7
44	19.0	6.9	10.3#

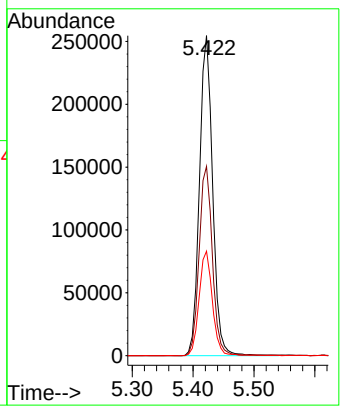




#5
2-Fluorophenol
Concen: 19.236 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:112 Resp: 38150

Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.2	72.4
63	32.6	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/16/2024
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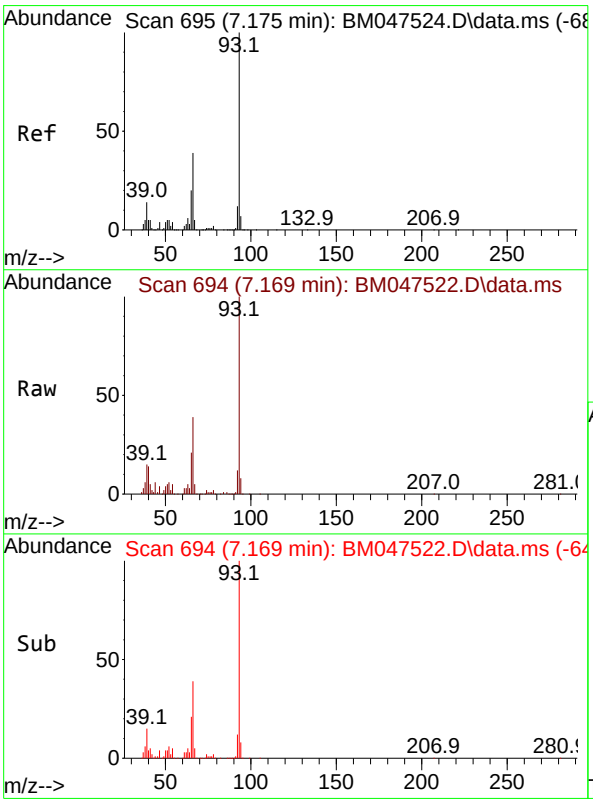
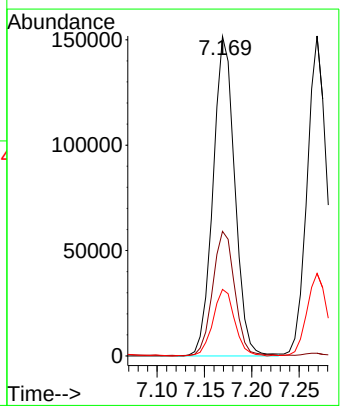
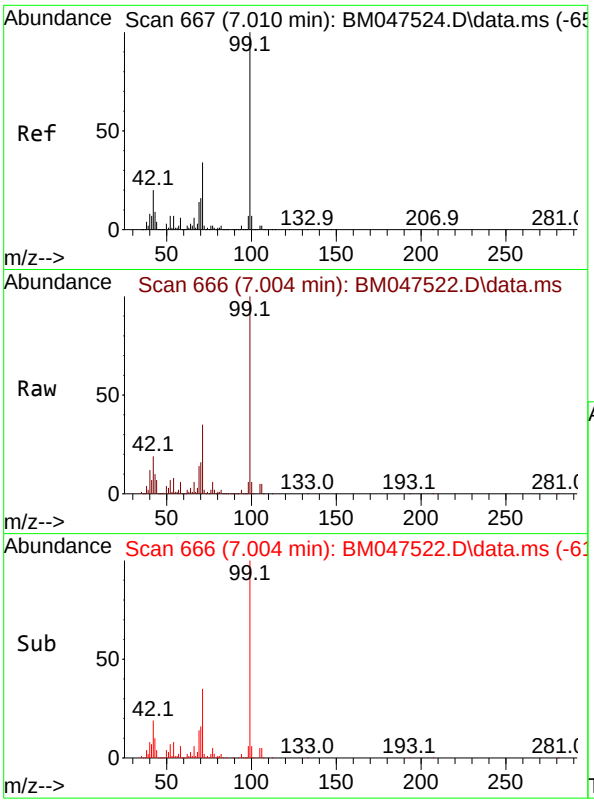


#6
Aniline
Concen: 9.752 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 93 Resp: 241475

Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.4	47.0
65	20.8	16.3	24.5

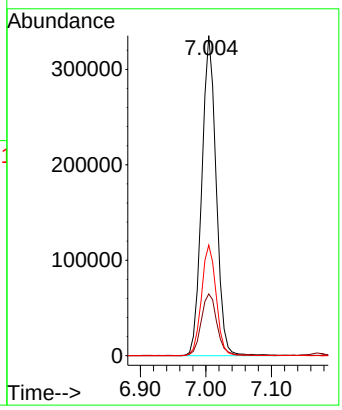




#7
Phenol-d6
Concen: 18.354 ng
RT: 7.004 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 99 Resp: 51264

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.8
71	34.5	27.6	41.4



Instrument :
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ClientSampleId :
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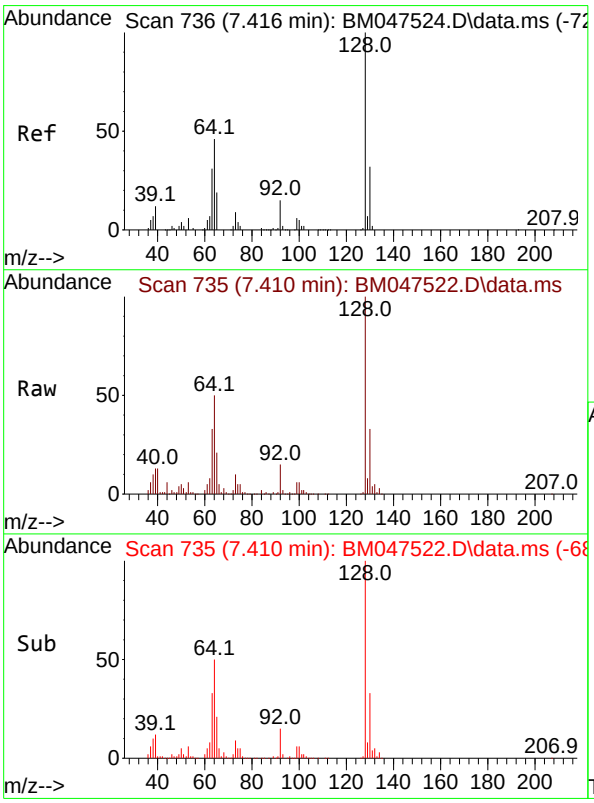
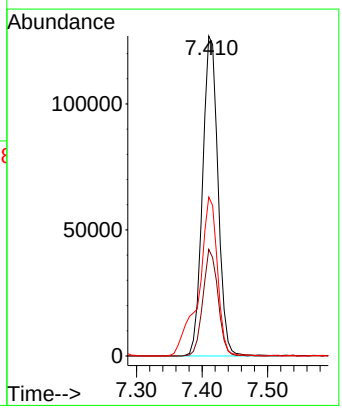
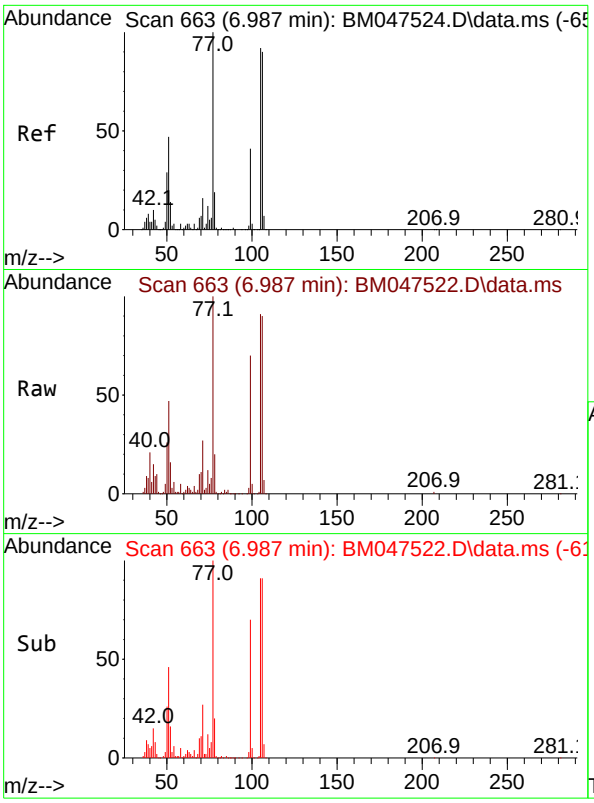


#8
2-Chlorophenol
Concen: 9.541 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:128 Resp: 208605

Ion	Ratio	Lower	Upper
128	100		
130	33.3	11.8	51.8
64	49.7	27.6	67.6

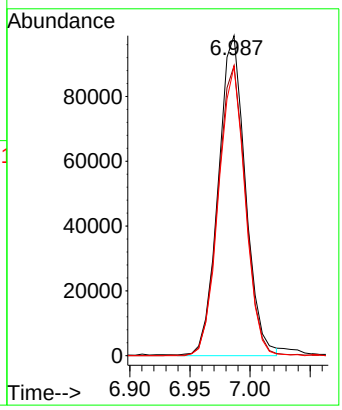




#9
Benzaldehyde
Concen: 11.718 ng m
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 77 Resp: 15562

Ion	Ratio	Lower	Upper
77	100		
105	90.6	71.8	111.8
106	90.4	69.7	109.7



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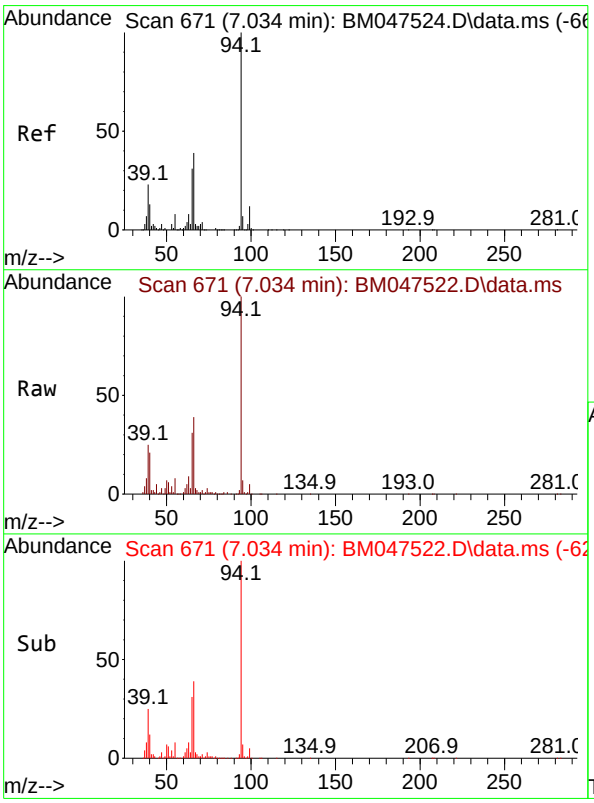
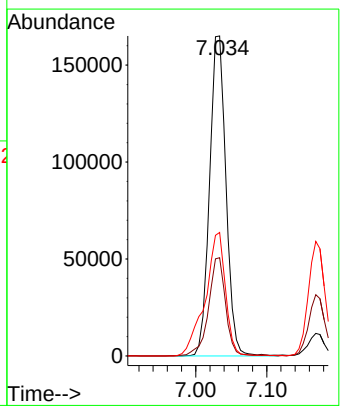
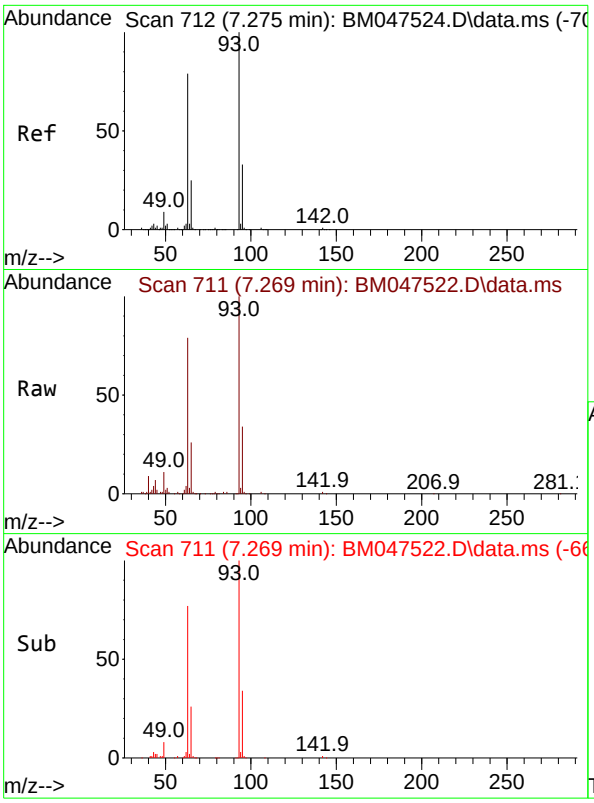


#10
Phenol
Concen: 9.479 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 94 Resp: 265092

Ion	Ratio	Lower	Upper
94	100		
65	30.7	10.8	50.8
66	38.6	19.2	59.2

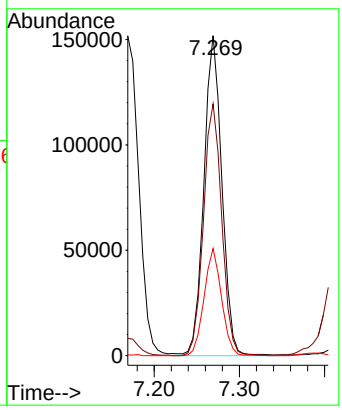




#11
bis(2-Chloroethyl)ether
Concen: 9.935 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 93 Resp: 22306

Ion	Ratio	Lower	Upper
93	100		
63	78.7	58.2	98.2
95	33.5	12.8	52.8



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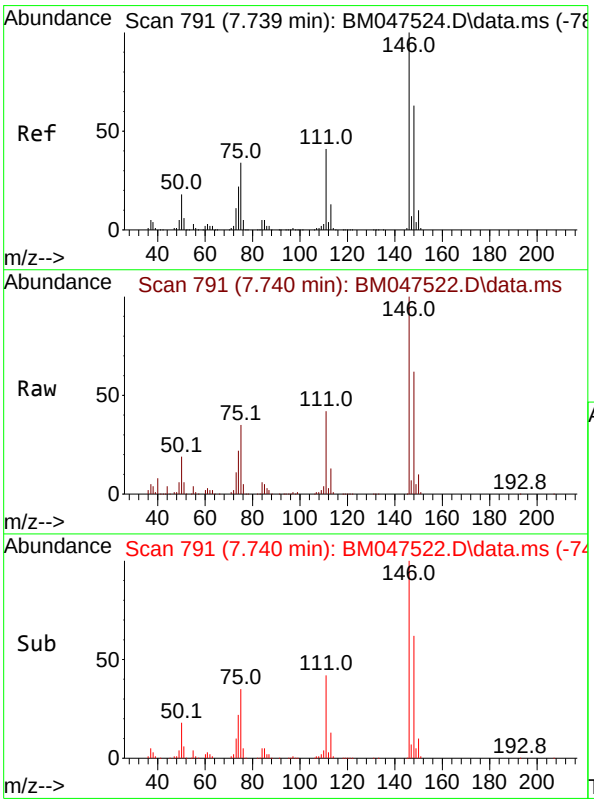
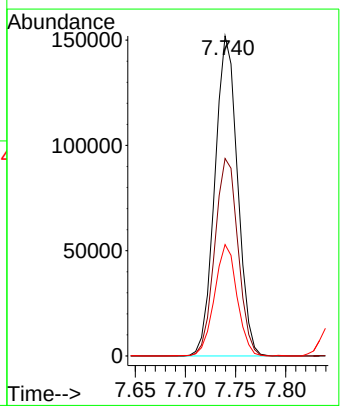
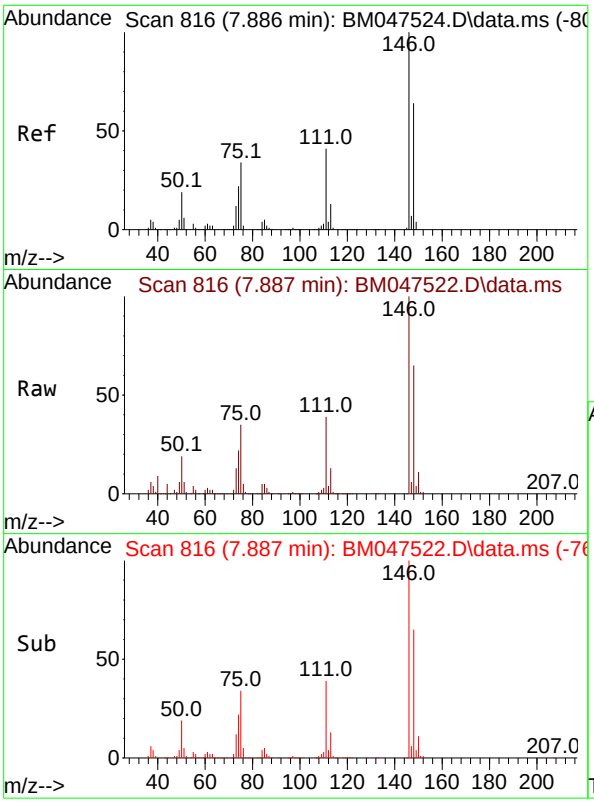


#12
1,3-Dichlorobenzene
Concen: 9.976 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:146 Resp: 238748

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.2	75.4
75	34.8	27.4	41.0

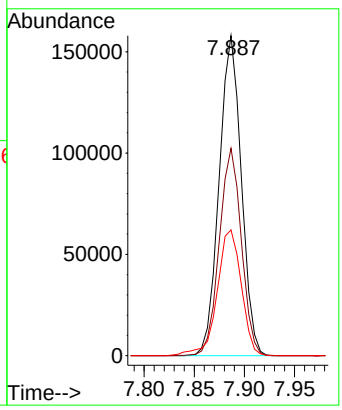




#13
1,4-Dichlorobenzene
Concen: 9.940 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:146 Resp: 24229

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	39.3	32.9	49.3



Instrument :
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ClientSampleId :
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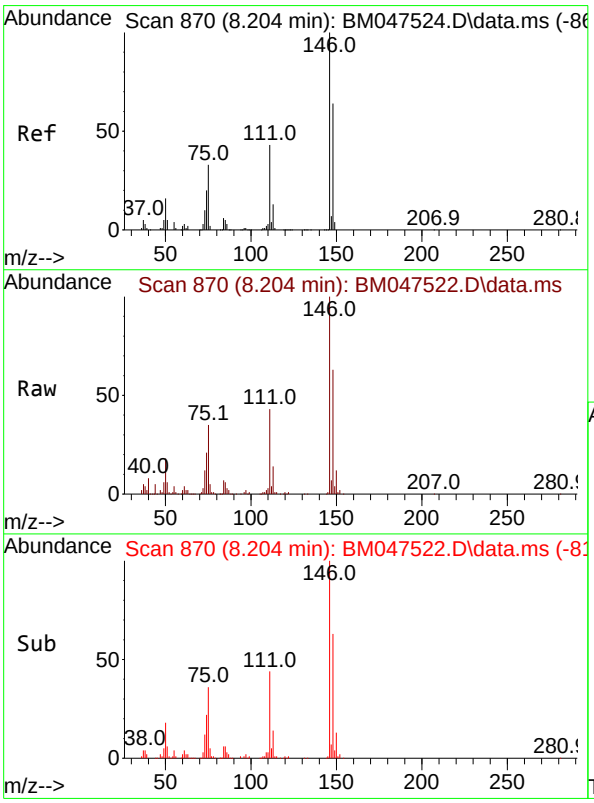
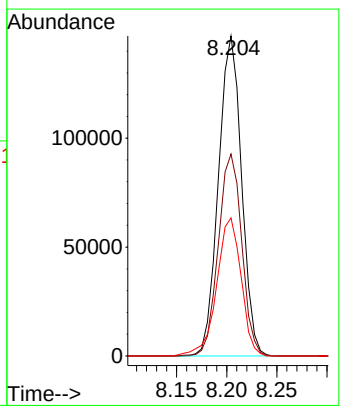
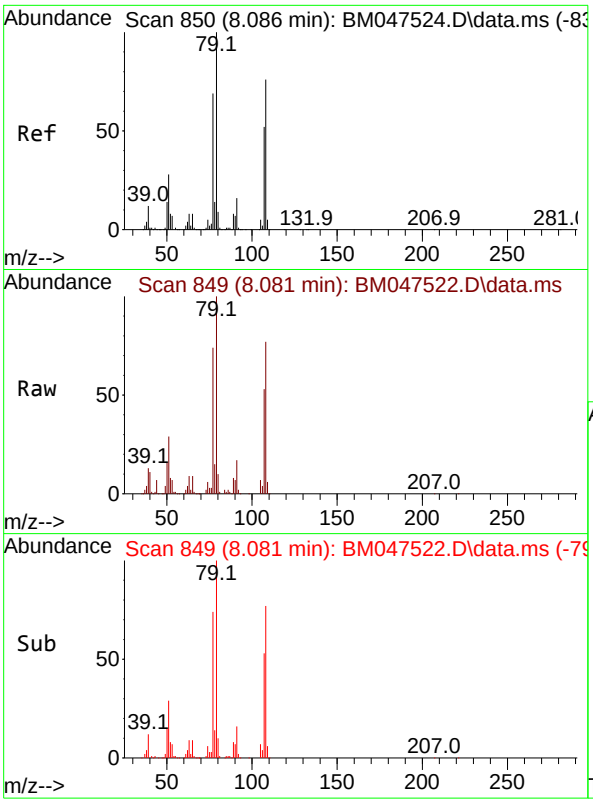


#14
1,2-Dichlorobenzene
Concen: 9.818 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:146 Resp: 235510

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.1	76.7
111	43.2	34.7	52.1





#15
Benzyl Alcohol
Concen: 9.153 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 79 Resp: 17316

Ion	Ratio	Lower	Upper
79	100		
108	77.5	60.6	91.0
77	73.8	55.0	82.4

Instrument :
BNA_M
ClientSampleId :
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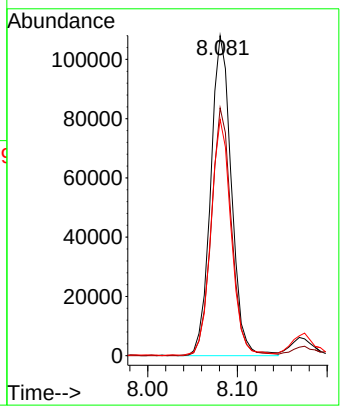
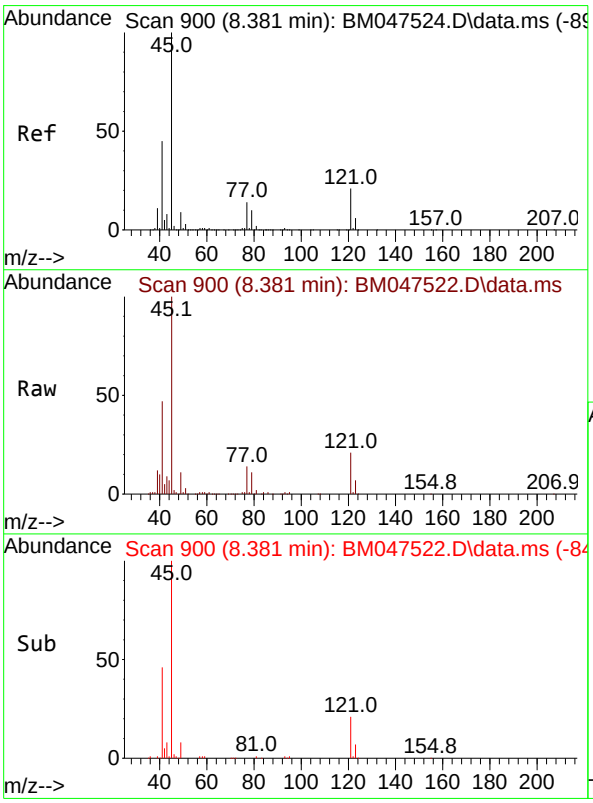
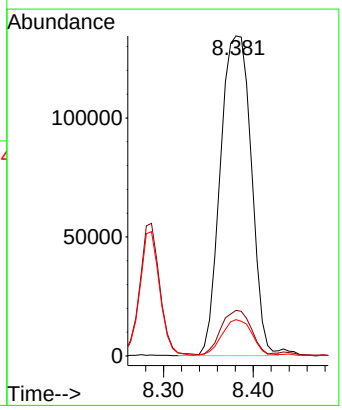


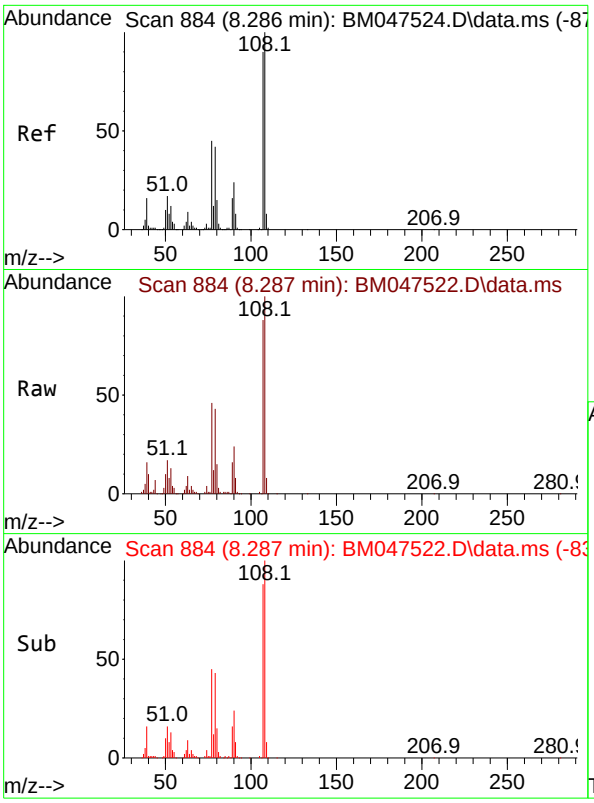


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.153 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 45 Resp: 320677

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	33.7
79	11.4	0.0	30.3

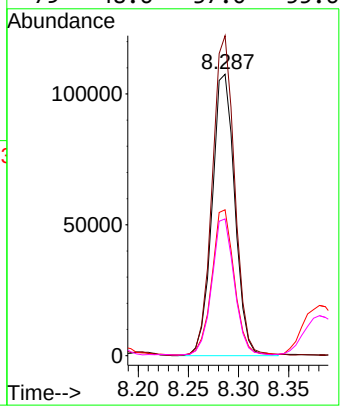




#17
2-Methylphenol
Concen: 9.486 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:107 Resp: 16947

Ion	Ratio	Lower	Upper
107	100		
108	113.7	88.9	133.3
77	51.9	39.8	59.8
79	48.6	37.0	55.6



Instrument :
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ClientSampleId :
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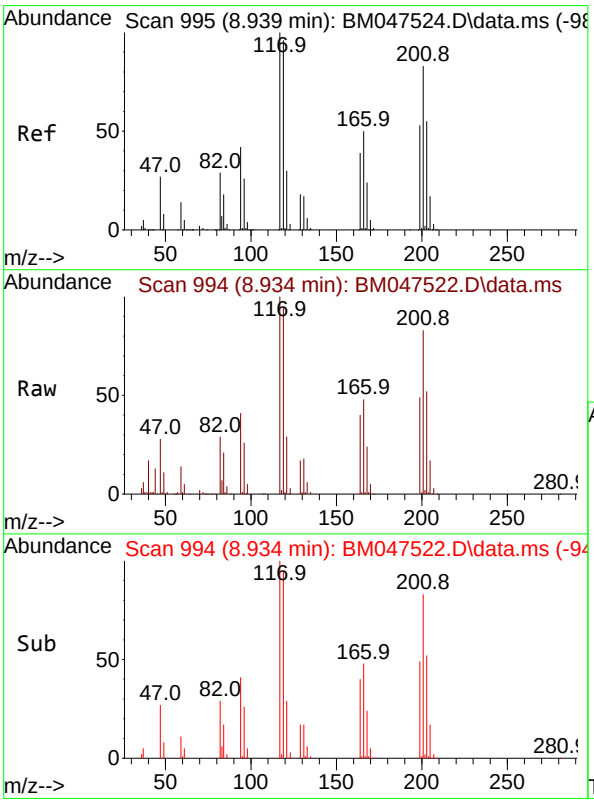
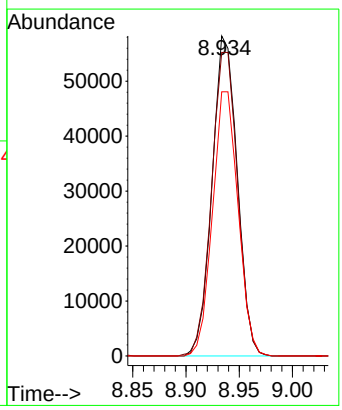
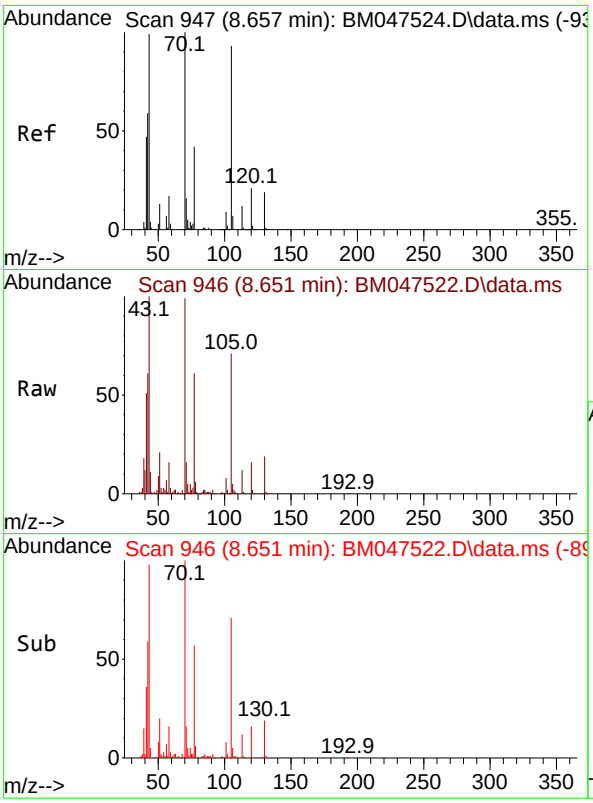


#18
Hexachloroethane
Concen: 9.834 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:117 Resp: 95755

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.0	115.4
201	82.6	66.8	100.2

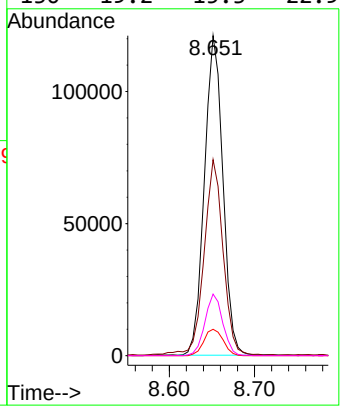




#19
n-Nitroso-di-n-propylamine
Concen: 9.676 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 70 Resp: 18221

Ion	Ratio	Lower	Upper
70	100		
42	61.2	48.2	72.2
101	8.2	7.0	10.4
130	19.2	15.3	22.9



Instrument :
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ClientSampleId :
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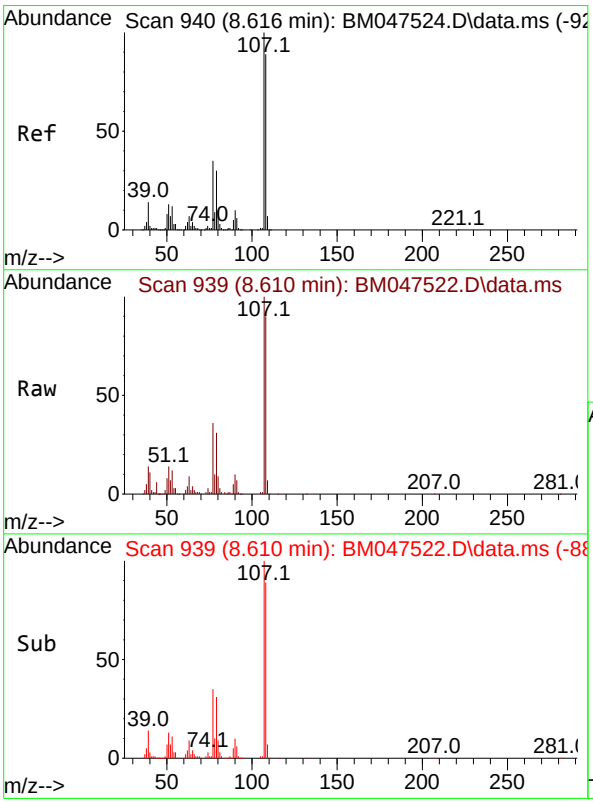
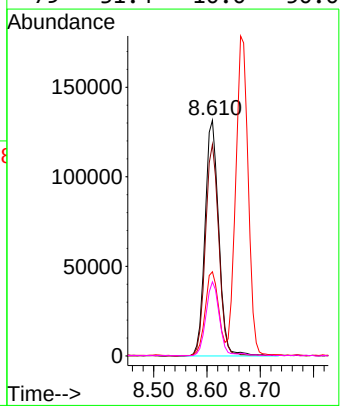
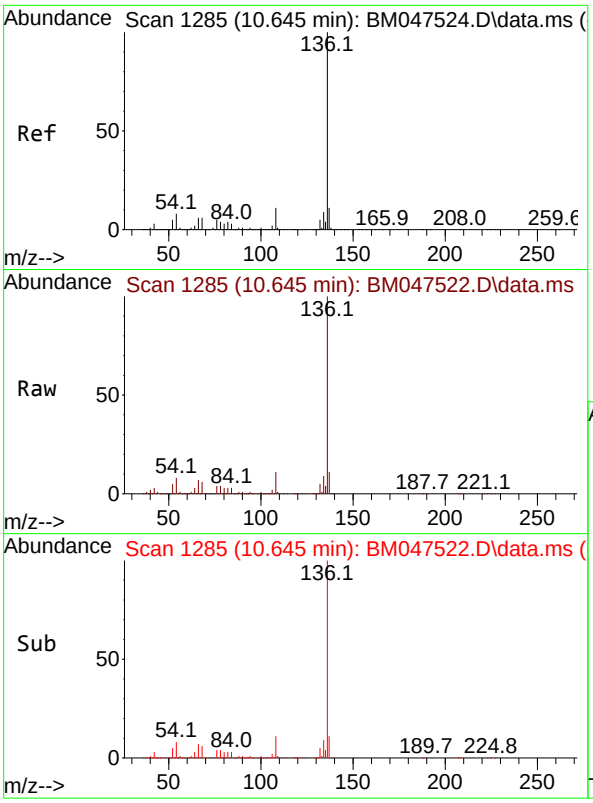


#20
3+4-Methylphenols
Concen: 9.455 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:107 Resp: 235709

Ion	Ratio	Lower	Upper
107	100		
108	89.8	68.9	108.9
77	35.7	15.5	55.5
79	31.4	10.0	50.0

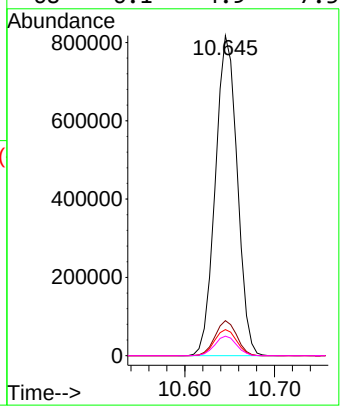




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:136 Resp: 138460

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.2	6.6	9.8
68	6.1	4.9	7.3



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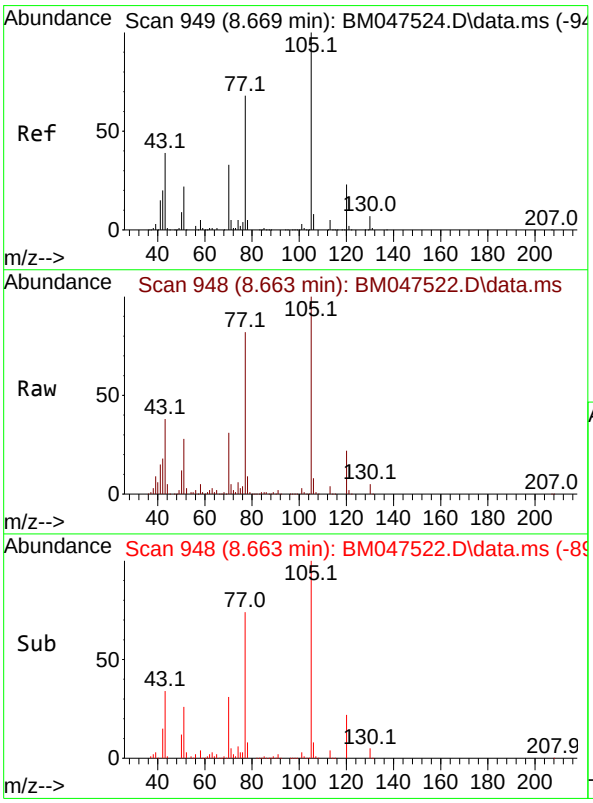
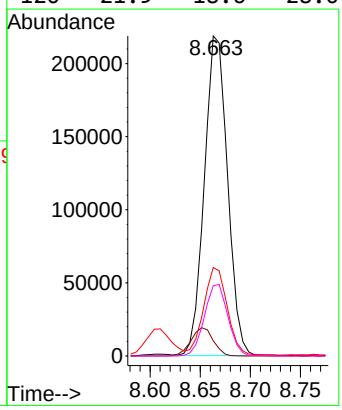
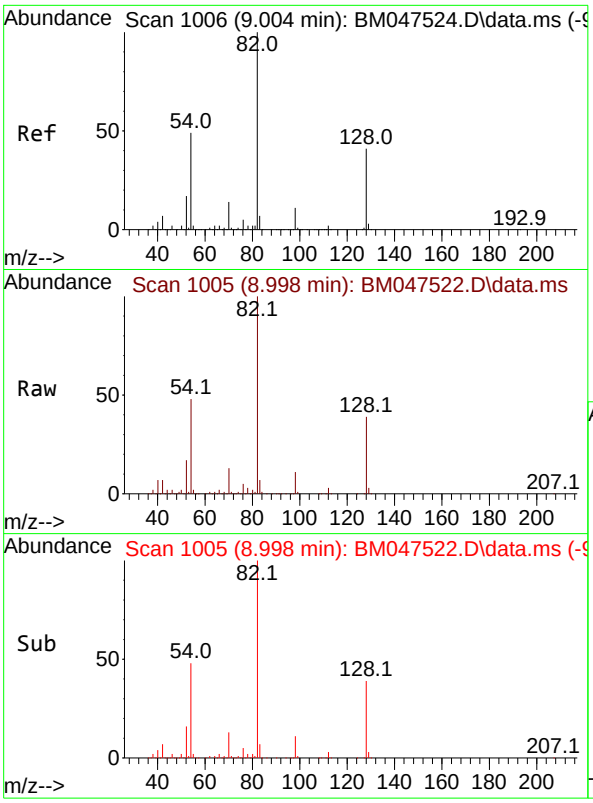


#22
Acetophenone
Concen: 9.690 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:105 Resp: 352718

Ion	Ratio	Lower	Upper
105	100		
71	4.8	4.3	6.5
51	27.6	21.5	32.3
120	21.9	18.6	28.0

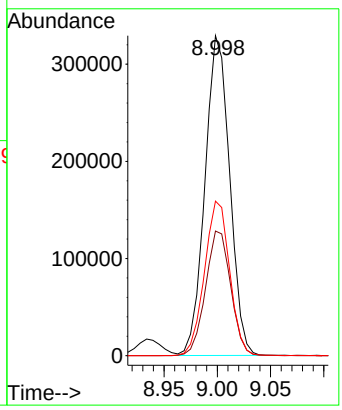




#23
Nitrobenzene-d5
Concen: 19.231 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 82 Resp: 53204

Ion	Ratio	Lower	Upper
82	100		
128	38.9	33.0	49.4
54	48.3	39.3	58.9



Instrument :
BNA_M
ClientSampleId :
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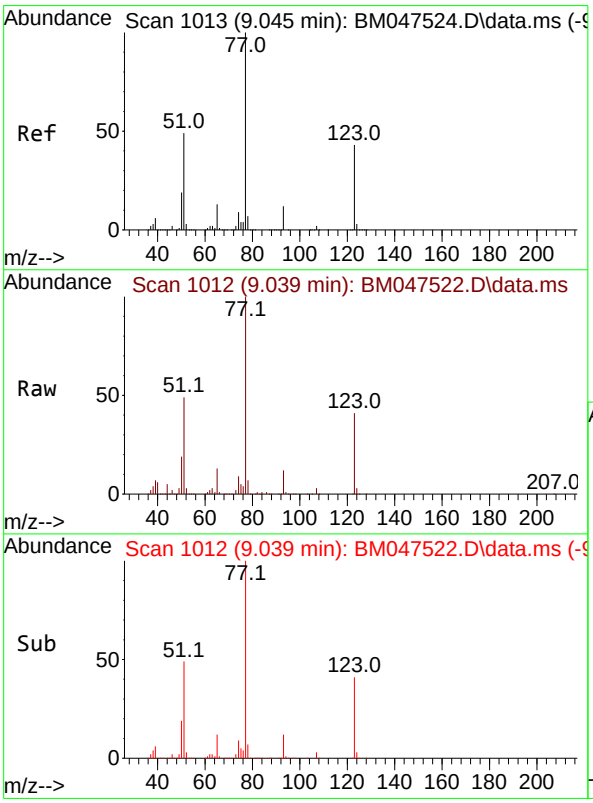
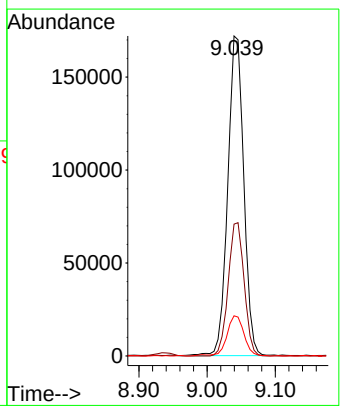
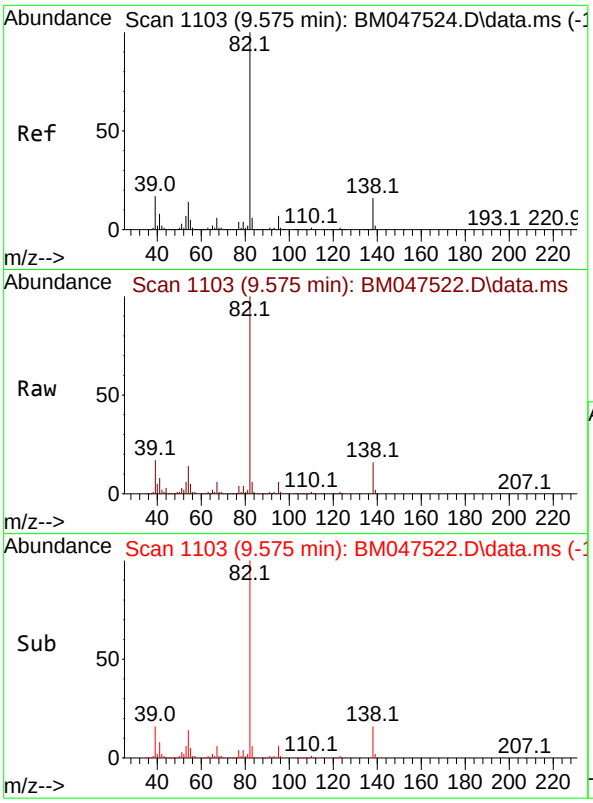


#24
Nitrobenzene
Concen: 9.890 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 77 Resp: 281172

Ion	Ratio	Lower	Upper
77	100		
123	41.2	34.5	51.7
65	12.6	10.7	16.1

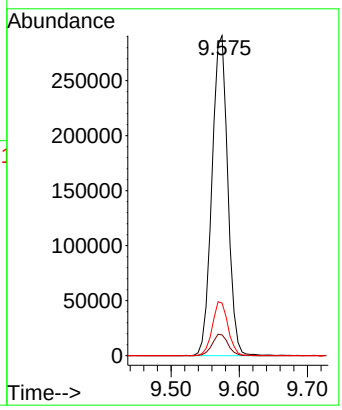




#25
Isophorone
Concen: 9.667 ng
RT: 9.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 82 Resp: 47018

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.4	8.0
138	16.5	12.9	19.3



Instrument :
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ClientSampleId :
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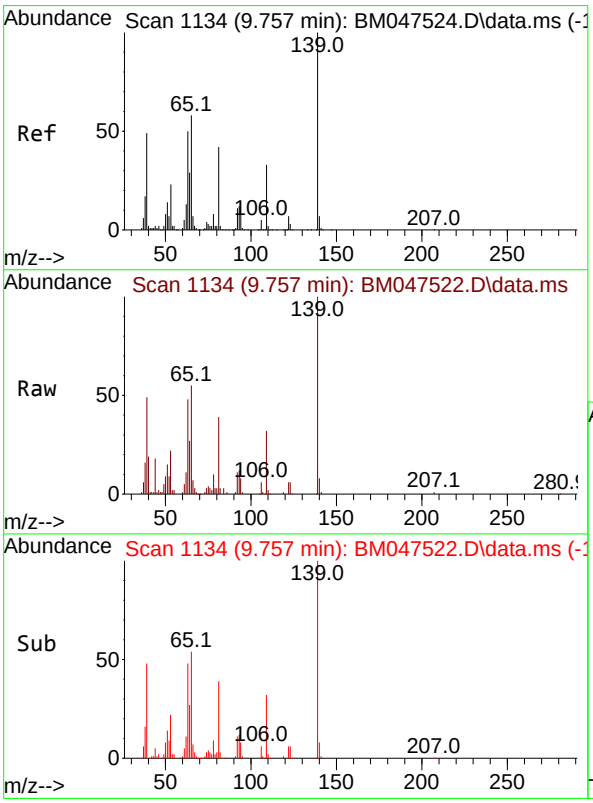
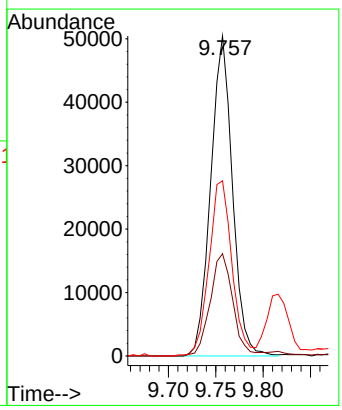
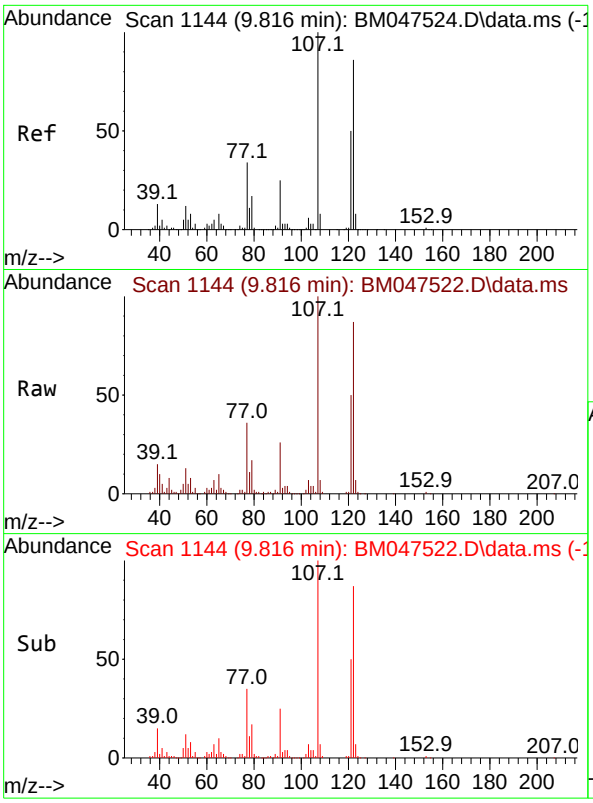


#26
2-Nitrophenol
Concen: 8.306 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:139 Resp: 80470

Ion	Ratio	Lower	Upper
139	100		
109	32.0	26.0	39.0
65	54.8	46.2	69.4

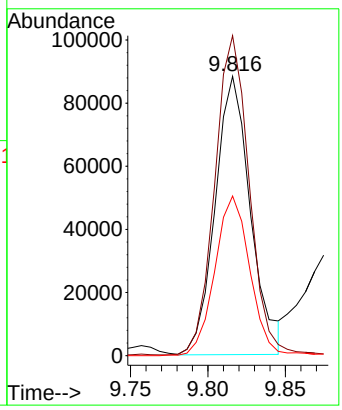




#27
2,4-Dimethylphenol
Concen: 9.537 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:122 Resp: 14004

Ion	Ratio	Lower	Upper
122	100		
107	114.5	92.4	138.6
121	57.1	46.2	69.4



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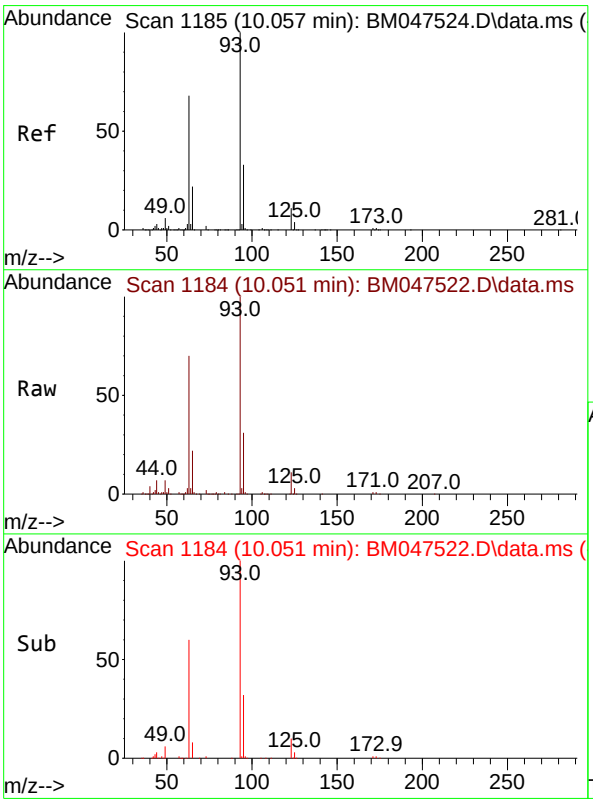
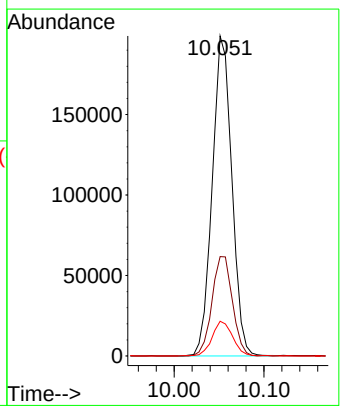
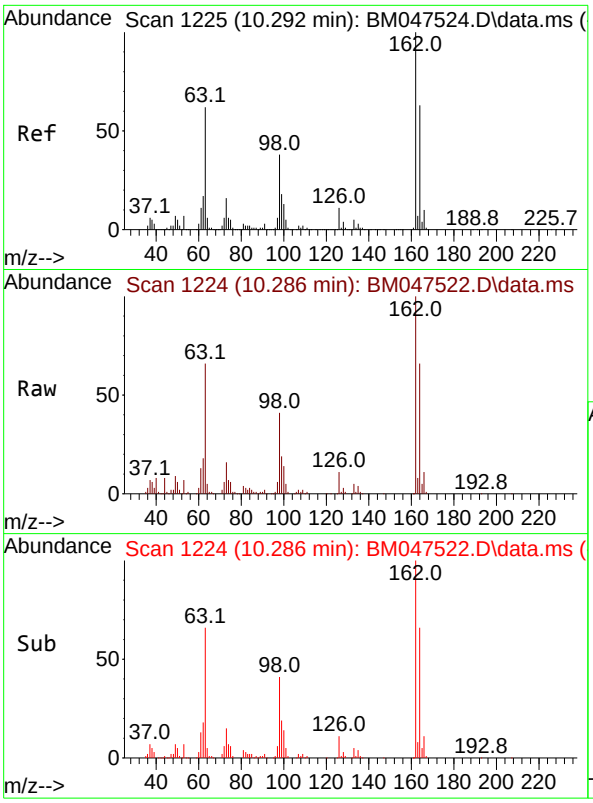


#28
bis(2-Chloroethoxy)methane
Concen: 9.874 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 93 Resp: 301673

Ion	Ratio	Lower	Upper
93	100		
95	31.1	26.2	39.2
123	10.9	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 9.019 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:162 Resp: 16827

Ion	Ratio	Lower	Upper
162	100		
164	66.5	43.5	83.5
98	41.3	17.6	57.6

Instrument :
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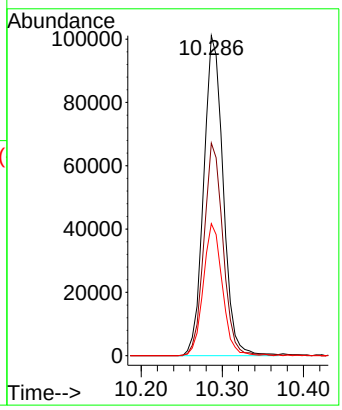
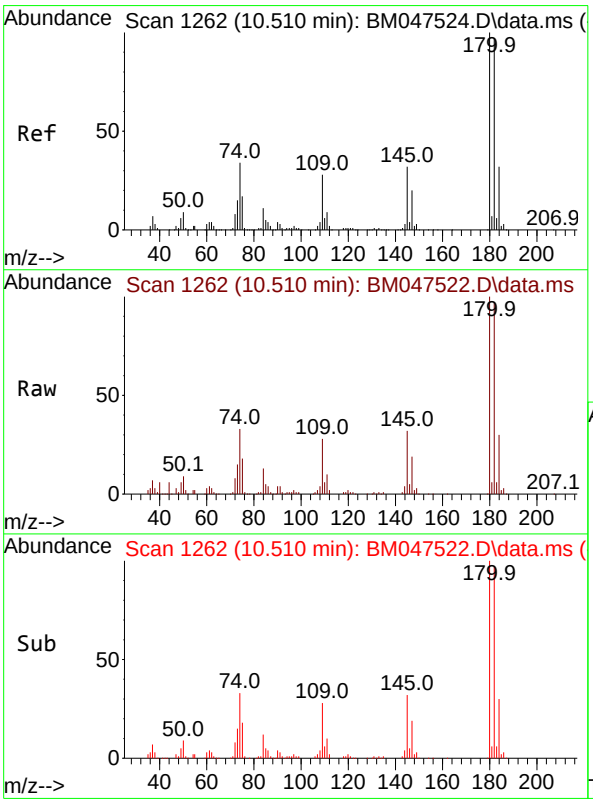
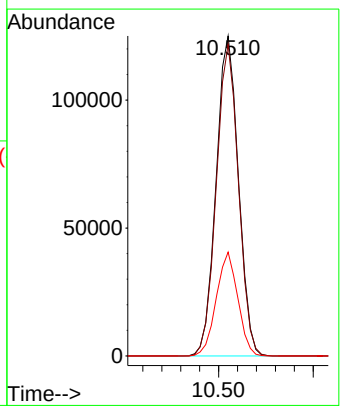


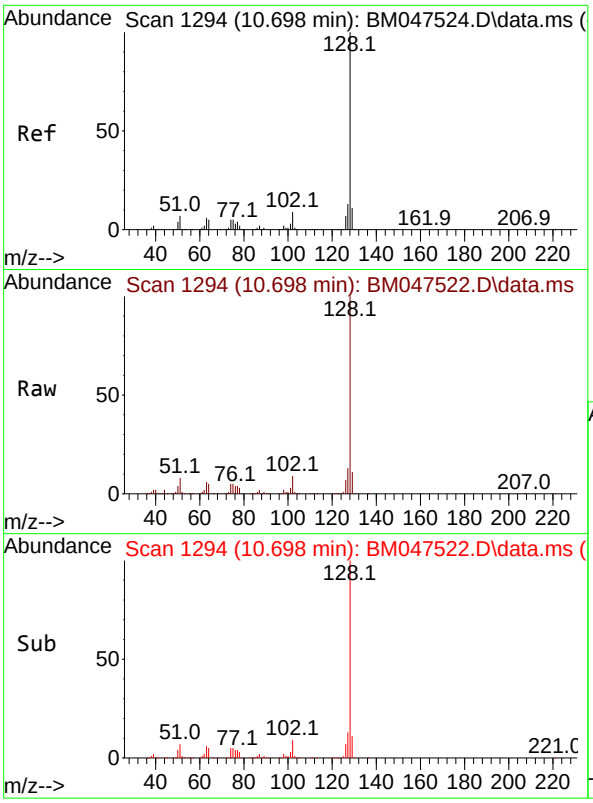


#30
1,2,4-Trichlorobenzene
Concen: 9.576 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:180 Resp: 204663

Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.6	116.4
145	32.5	25.4	38.0

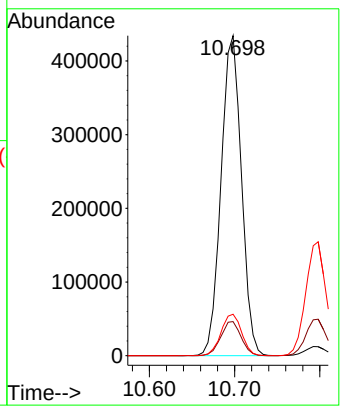




#31
Naphthalene
Concen: 9.645 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:128 Resp: 72125

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.0	10.5	15.7



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ClientSampleId :
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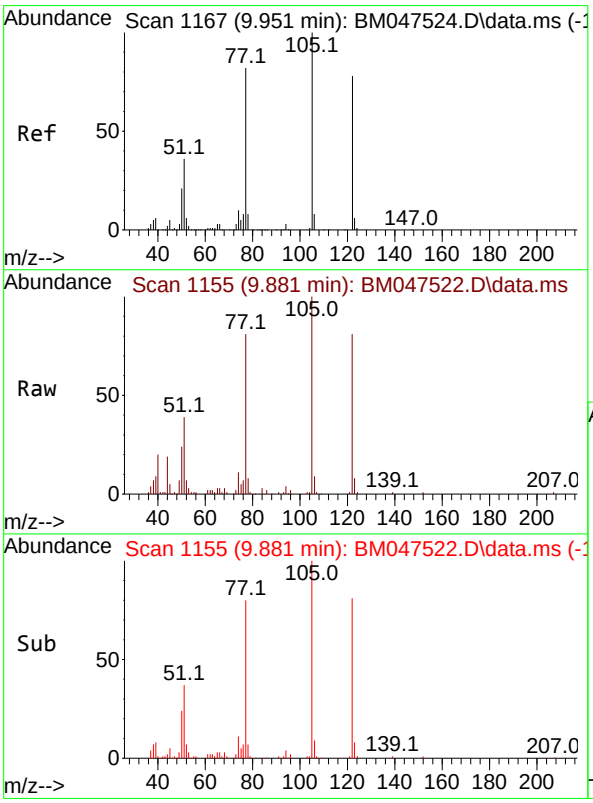
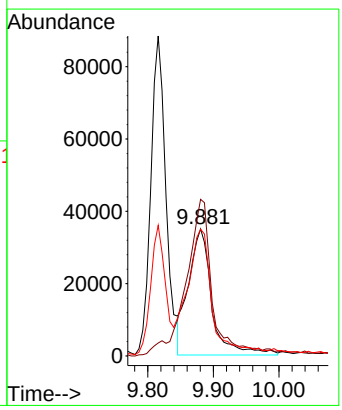
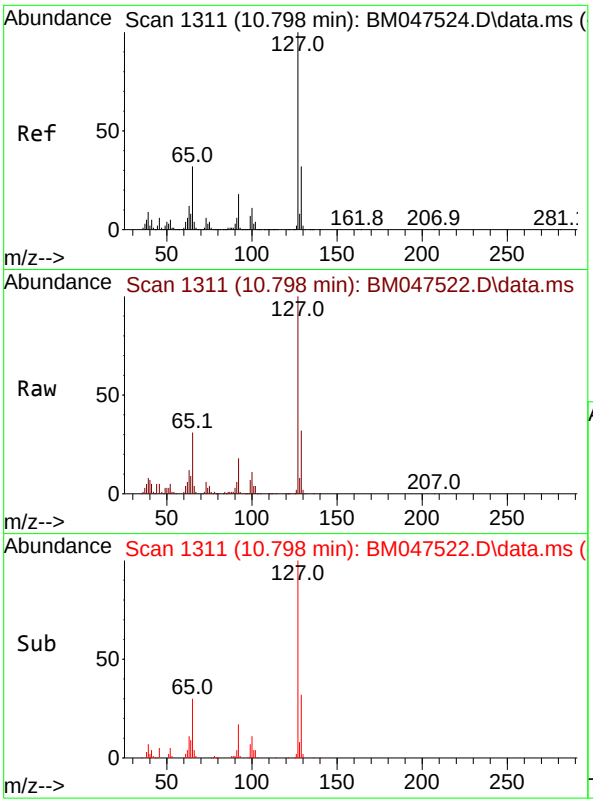


#32
Benzoic acid
Concen: 11.758 ng m
RT: 9.881 min Scan# 1155
Delta R.T. -0.070 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:122 Resp: 86588

Ion	Ratio	Lower	Upper
122	100		
105	123.2	104.7	144.7
77	99.7	83.4	123.4

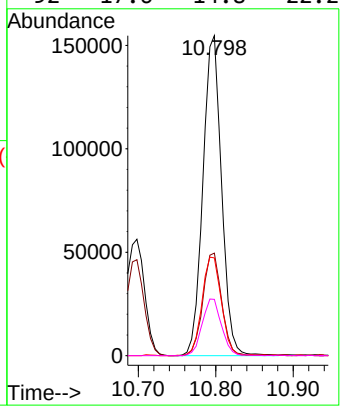




#33
4-Chloroaniline
Concen: 9.557 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:127 Resp: 25839

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.4	38.0
65	30.6	25.5	38.3
92	17.6	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
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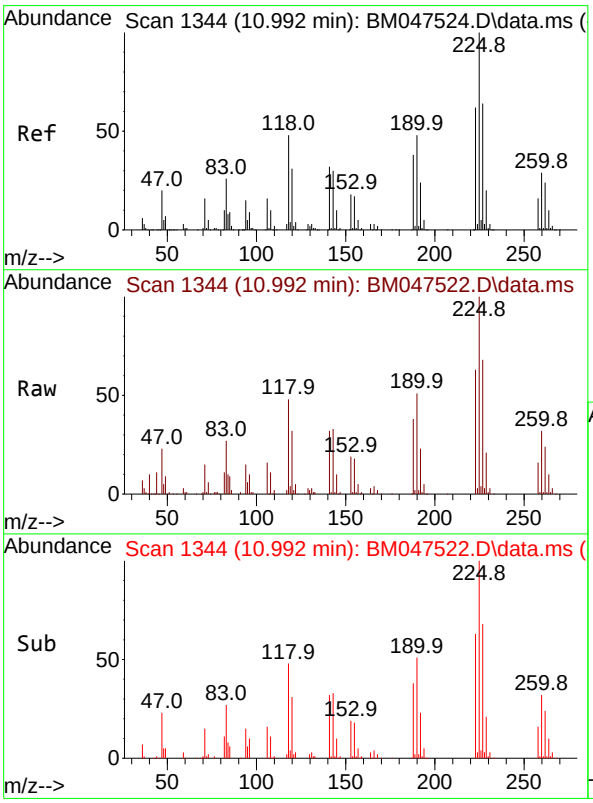
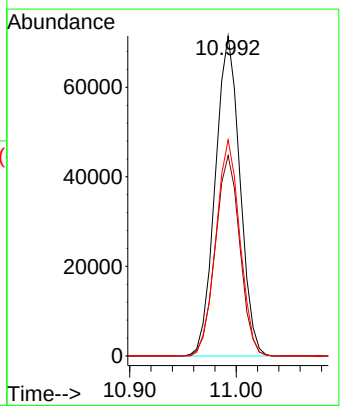
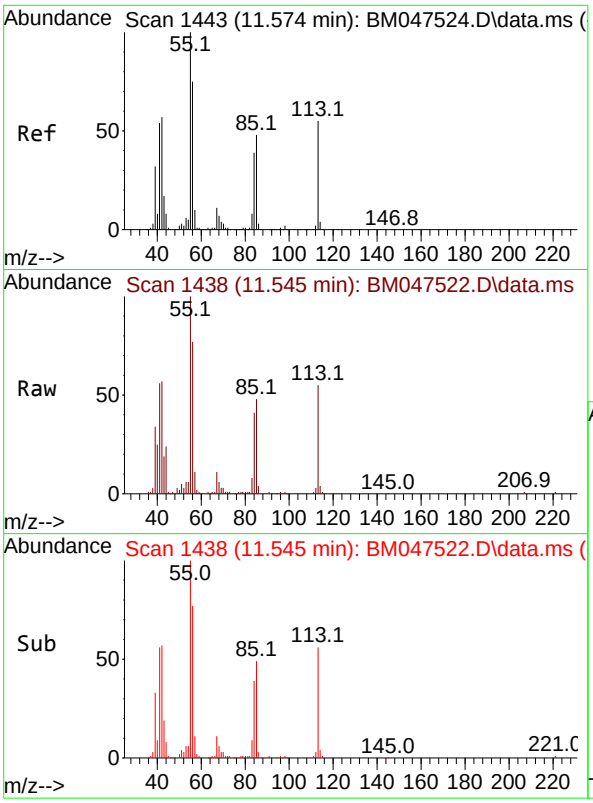


#34
Hexachlorobutadiene
Concen: 9.687 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:225 Resp: 114671

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	67.5	51.0	76.4

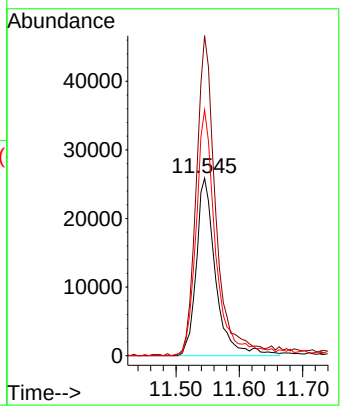




#35
Caprolactam
Concen: 8.924 ng m
RT: 11.545 min Scan# 14
Delta R.T. -0.029 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:113 Resp: 5484

Ion	Ratio	Lower	Upper
113	100		
55	180.4	162.5	202.5
56	138.6	116.5	156.5



Instrument :
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ClientSampleId :
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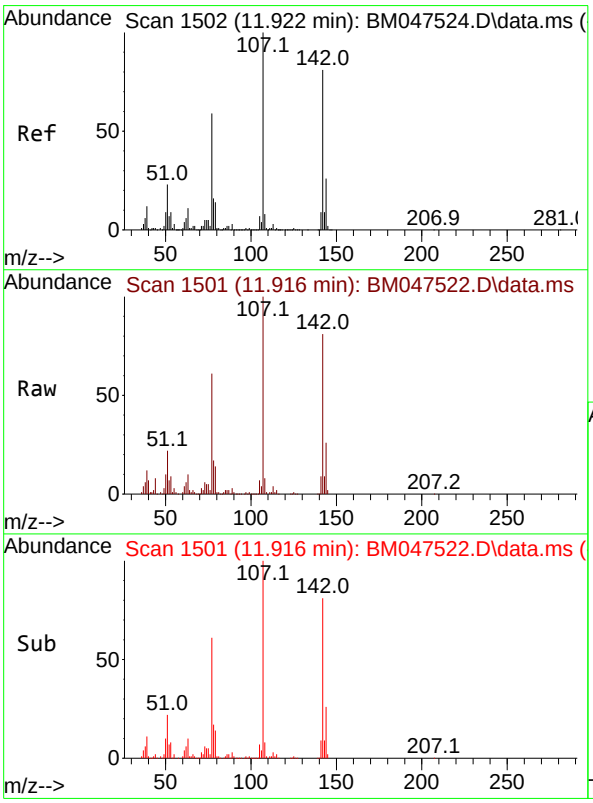
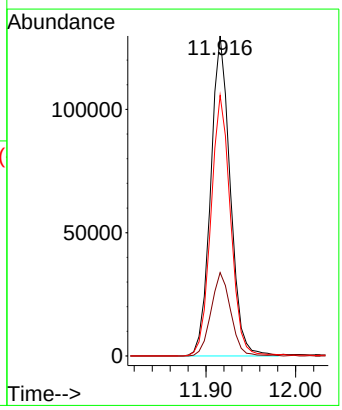
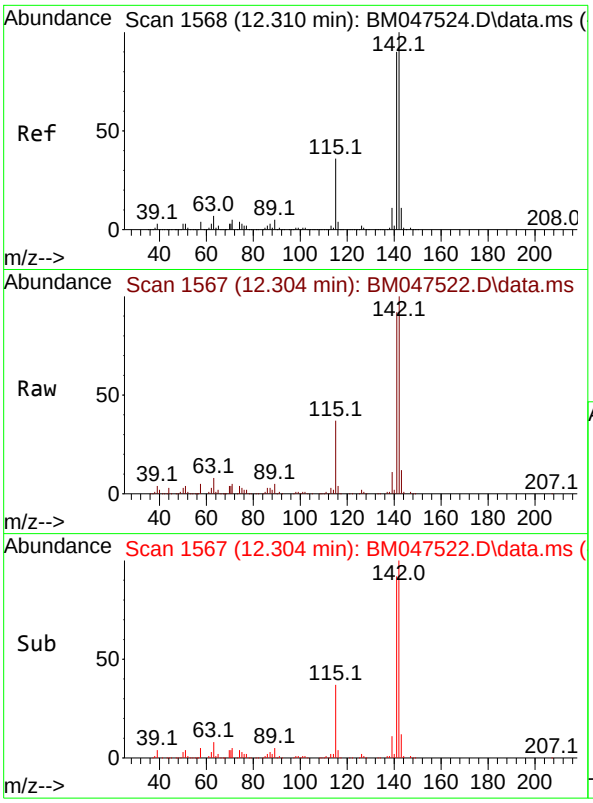


#36
4-Chloro-3-methylphenol
Concen: 9.206 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:107 Resp: 196835

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.5	30.7
142	81.4	65.0	97.4

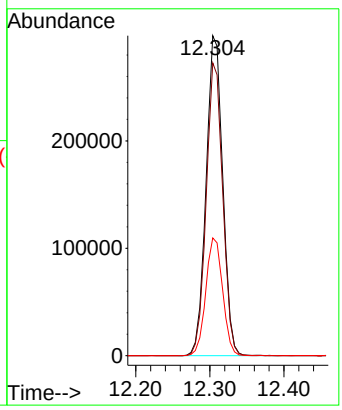




#37
2-Methylnaphthalene
Concen: 9.343 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:142 Resp: 46500

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.2	108.4
115	36.8	29.1	43.7



Instrument :
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ClientSampleId :
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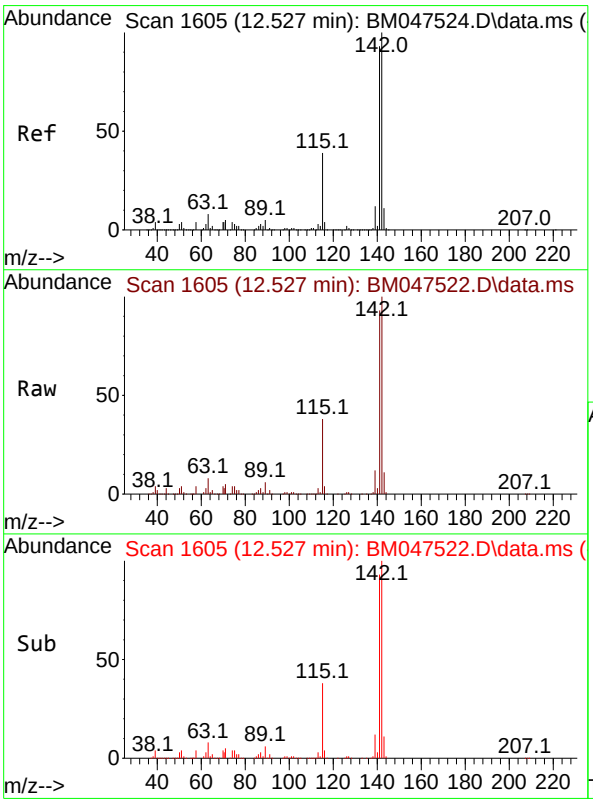
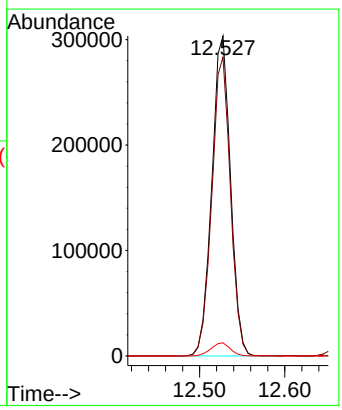
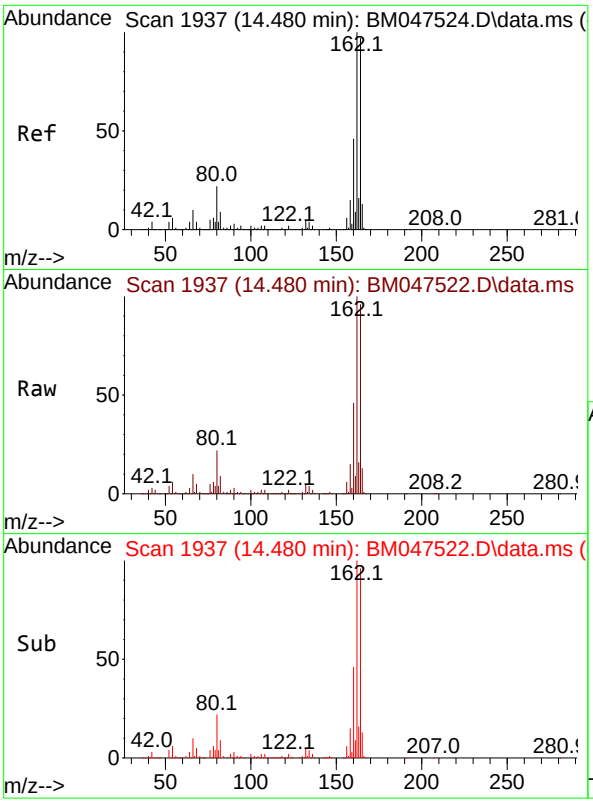


#38
1-Methylnaphthalene
Concen: 9.383 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:142 Resp: 464087

Ion	Ratio	Lower	Upper
142	100		
141	93.3	74.7	112.1
116	4.1	3.2	4.8

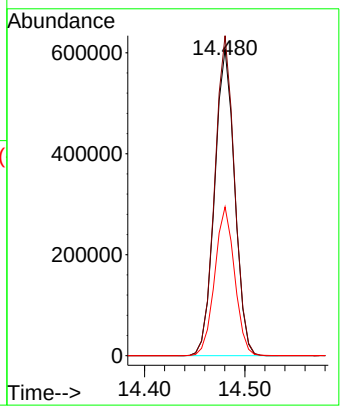




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:164 Resp: 84144

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.2	123.2
160	48.5	38.2	57.2



Instrument :
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ClientSampleId :
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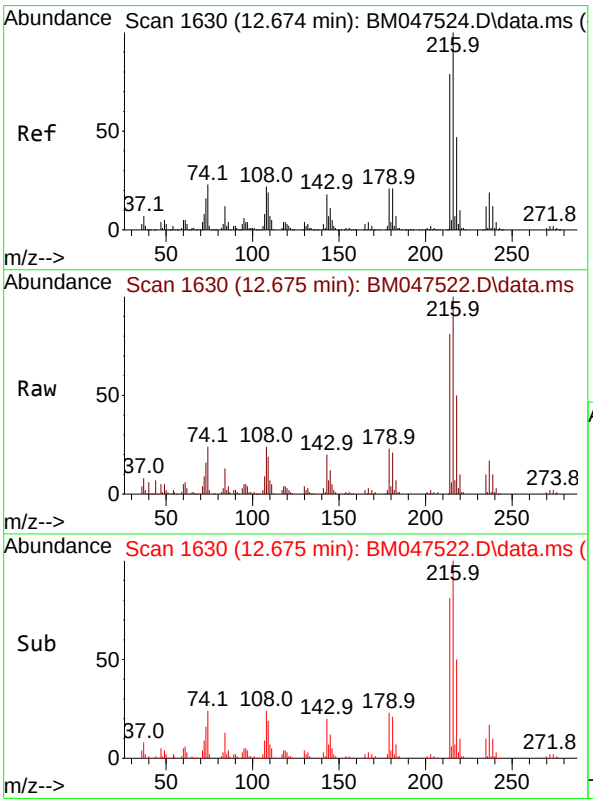
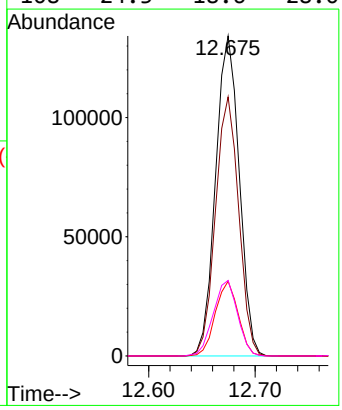
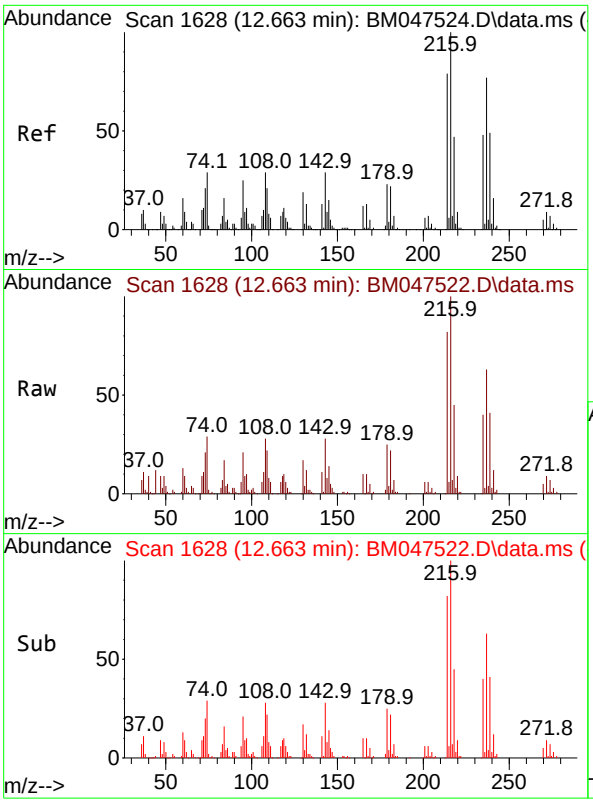


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.080 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:216 Resp: 206736

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.6
179	22.5	17.5	26.3
108	24.3	18.6	28.0

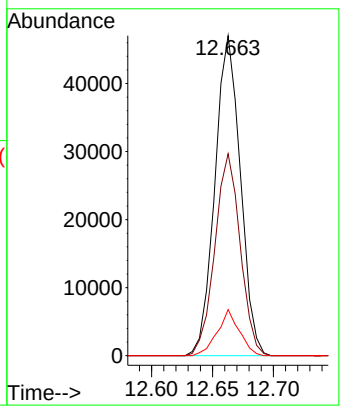




#41
Hexachlorocyclopentadiene
Concen: 9.197 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:237 Resp: 6845

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.0	82.0
272	14.4	0.0	31.5



Instrument :
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ClientSampleId :
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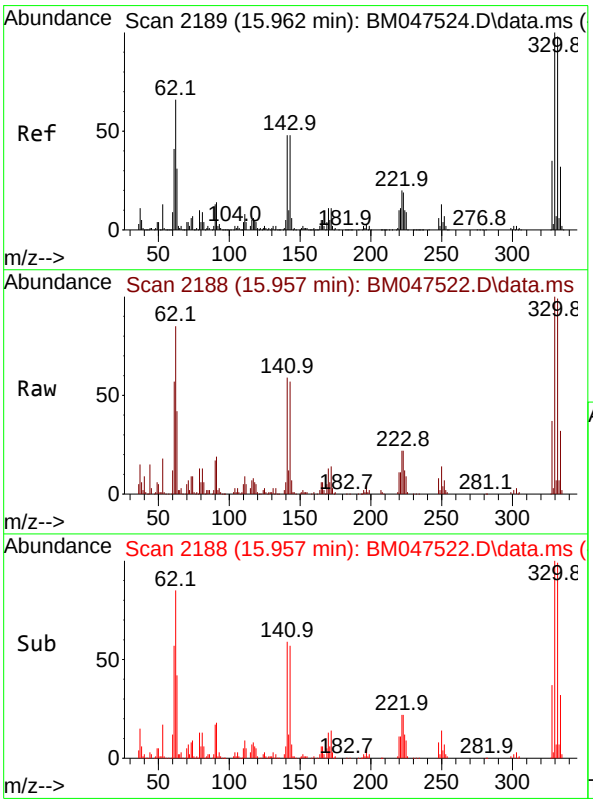
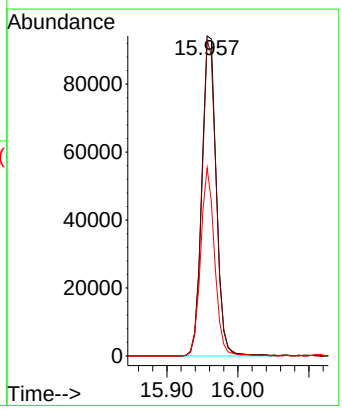
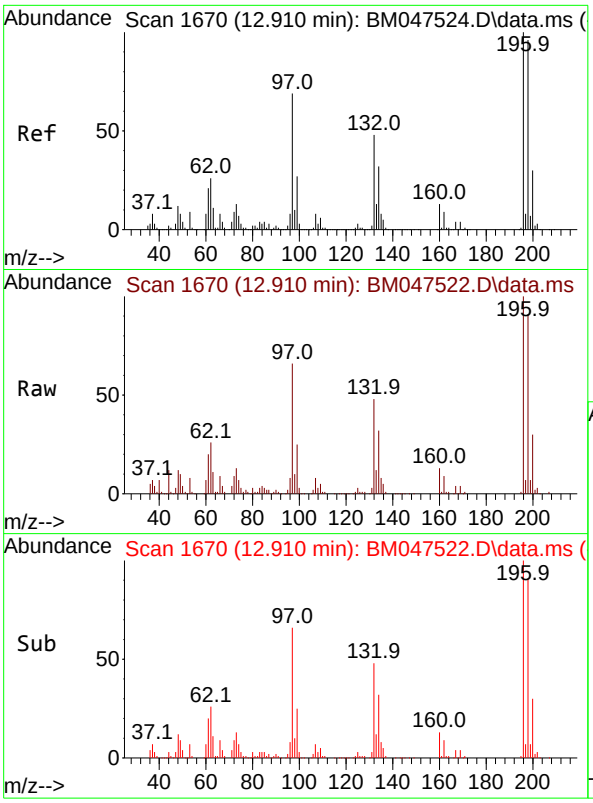


#42
2,4,6-Tribromophenol
Concen: 16.487 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:330 Resp: 134095

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	56.6	42.2	63.2

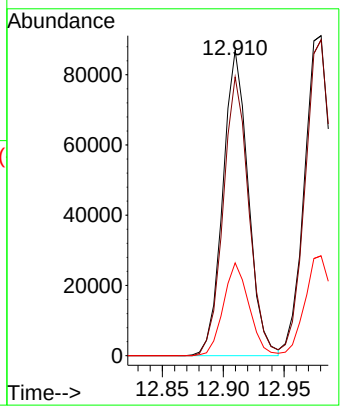




#43
2,4,6-Trichlorophenol
Concen: 8.866 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:196 Resp: 12647

Ion	Ratio	Lower	Upper
196	100		
198	91.3	76.9	115.3
200	30.4	24.3	36.5



Instrument :
BNA_M
ClientSampleId :
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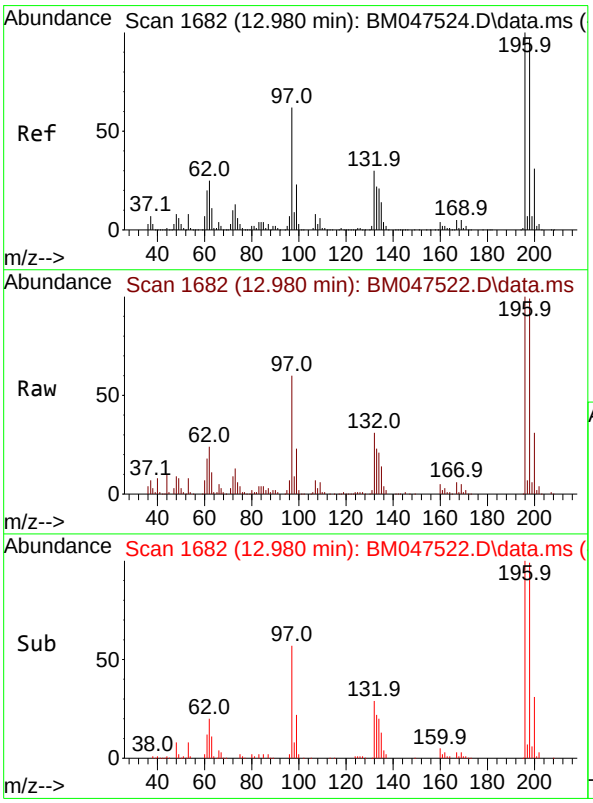
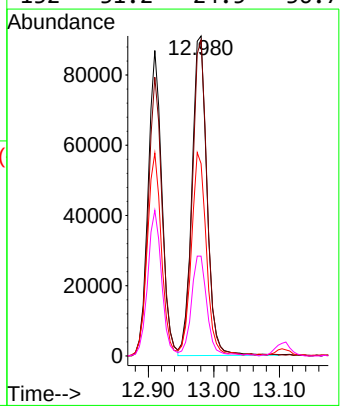
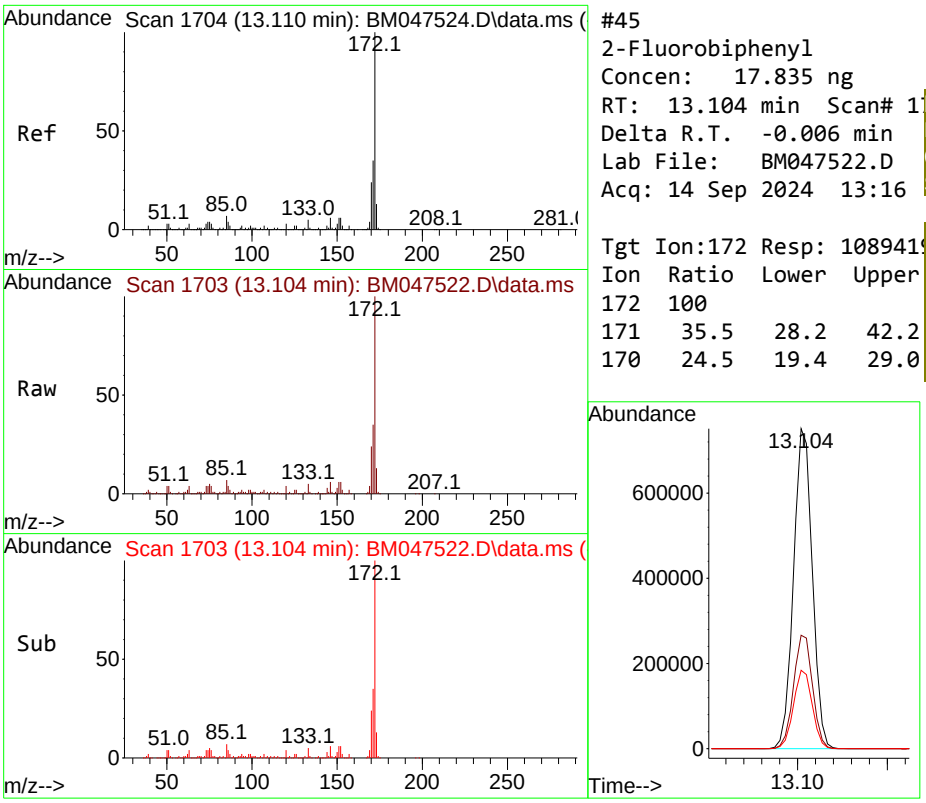


#44
2,4,5-Trichlorophenol
Concen: 9.004 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:196 Resp: 145073

Ion	Ratio	Lower	Upper
196	100		
198	98.7	77.4	116.2
97	60.1	49.8	74.8
132	31.2	24.5	36.7





#45
2-Fluorobiphenyl
Concen: 17.835 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:172 Resp: 108941

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	24.5	19.4	29.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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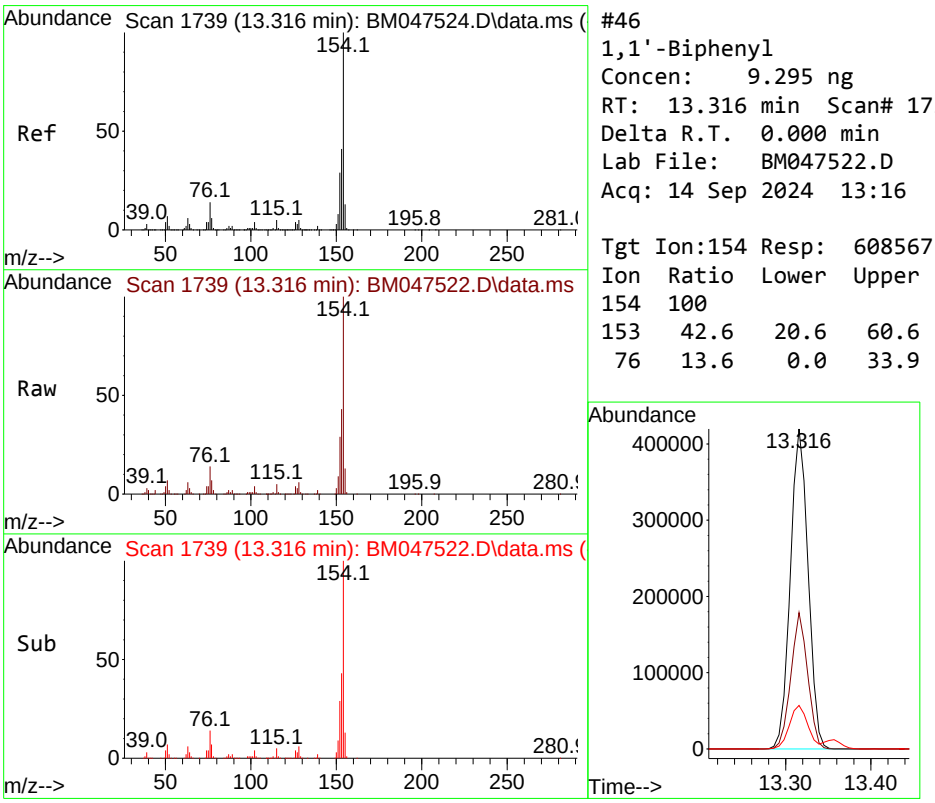
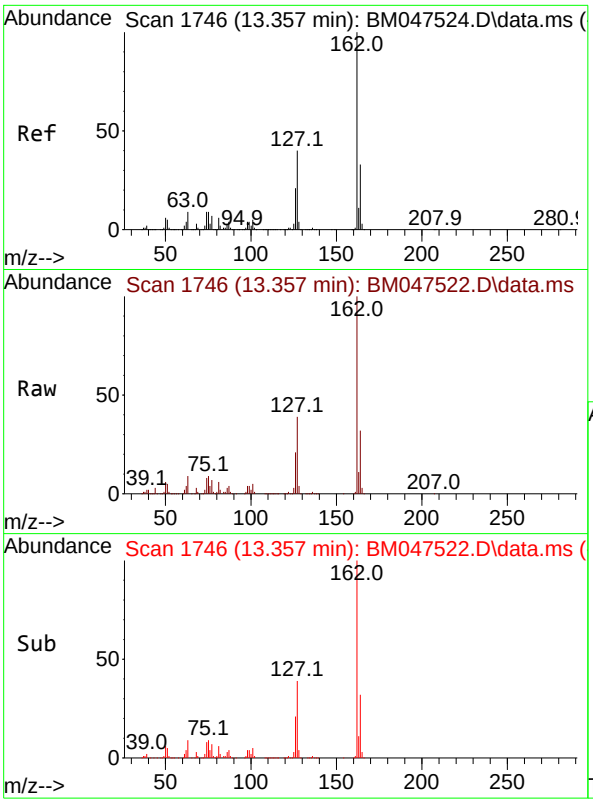


#46
1,1'-Biphenyl
Concen: 9.295 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:154 Resp: 608567

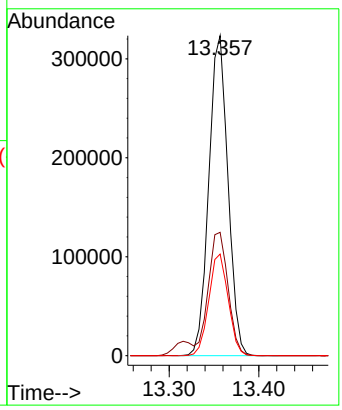
Ion	Ratio	Lower	Upper
154	100		
153	42.6	20.6	60.6
76	13.6	0.0	33.9



#47
2-Chloronaphthalene
Concen: 9.408 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:162 Resp: 47824

Ion	Ratio	Lower	Upper
162	100		
127	38.6	32.2	48.4
164	31.7	26.3	39.5



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ClientSampleId :
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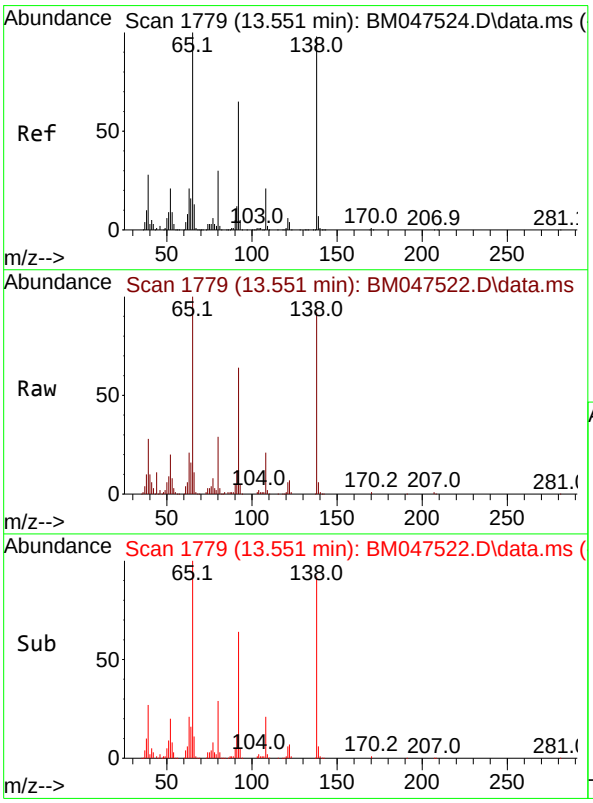
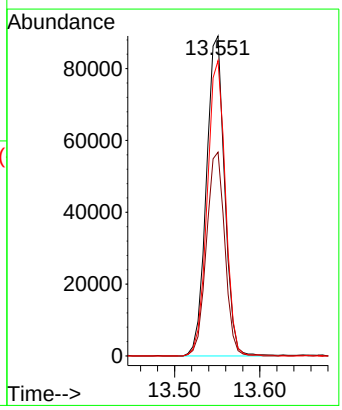
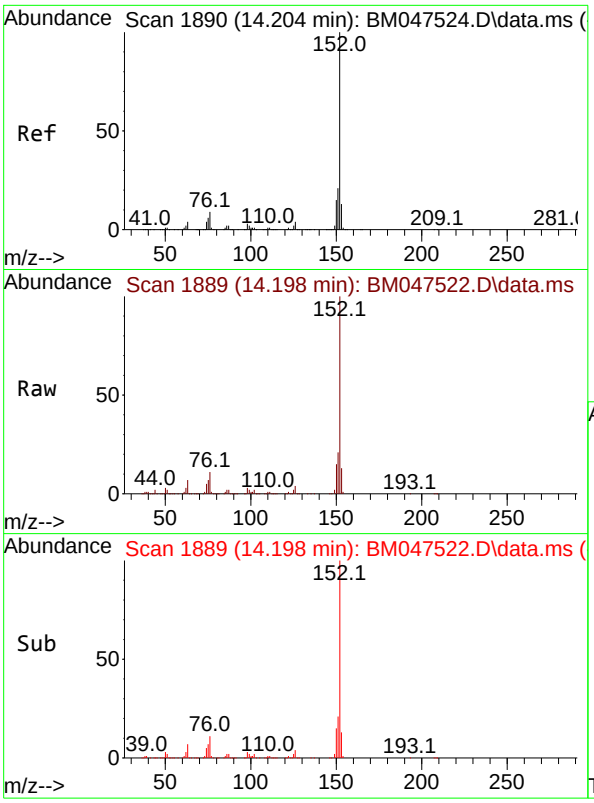


#48
2-Nitroaniline
Concen: 8.856 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 65 Resp: 132239

Ion	Ratio	Lower	Upper
65	100		
92	63.7	51.9	77.9
138	92.3	78.5	117.7

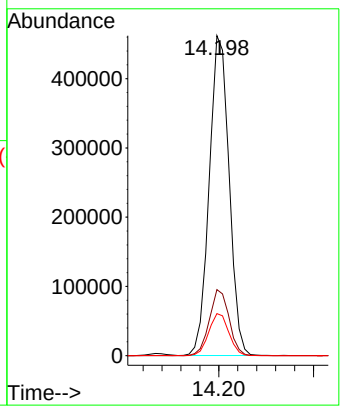




#49
Acenaphthylene
Concen: 9.163 ng
RT: 14.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:152 Resp: 67216

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.5	24.7
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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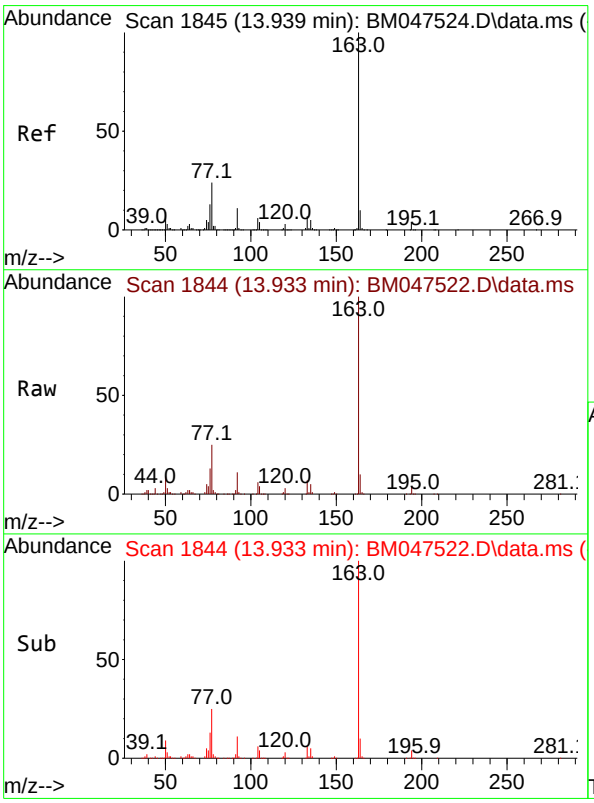
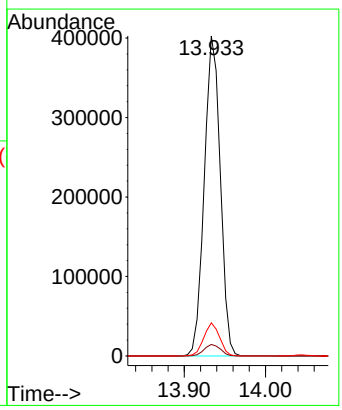
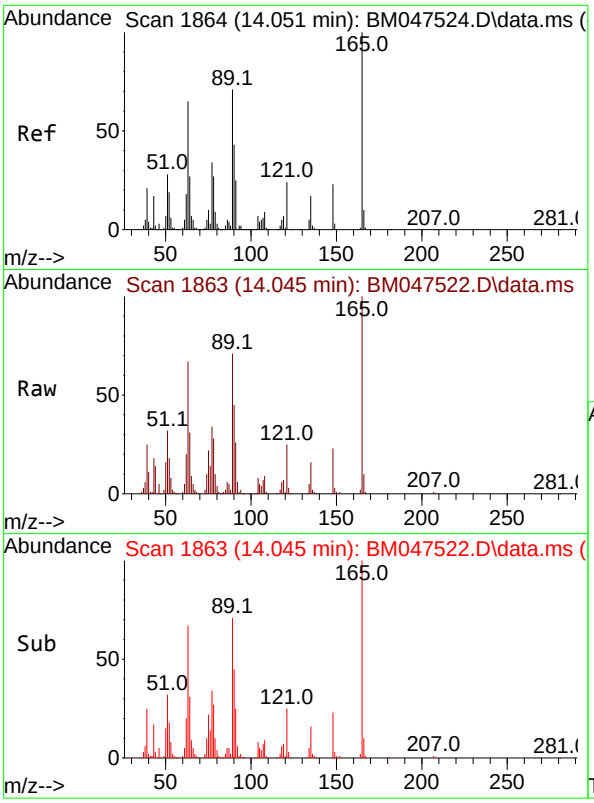


#50
Dimethylphthalate
Concen: 9.597 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:163 Resp: 550414

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	10.3	7.9	11.9

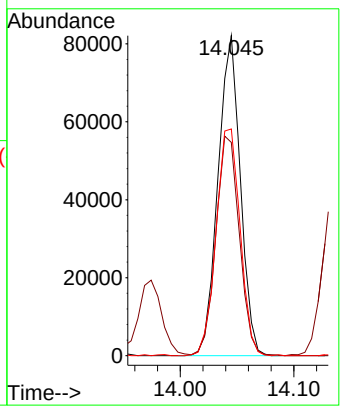




#51
2,6-Dinitrotoluene
Concen: 9.262 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:165 Resp: 11213

Ion	Ratio	Lower	Upper
165	100		
63	66.7	54.2	81.2
89	70.8	56.4	84.6



Instrument :
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ClientSampleId :
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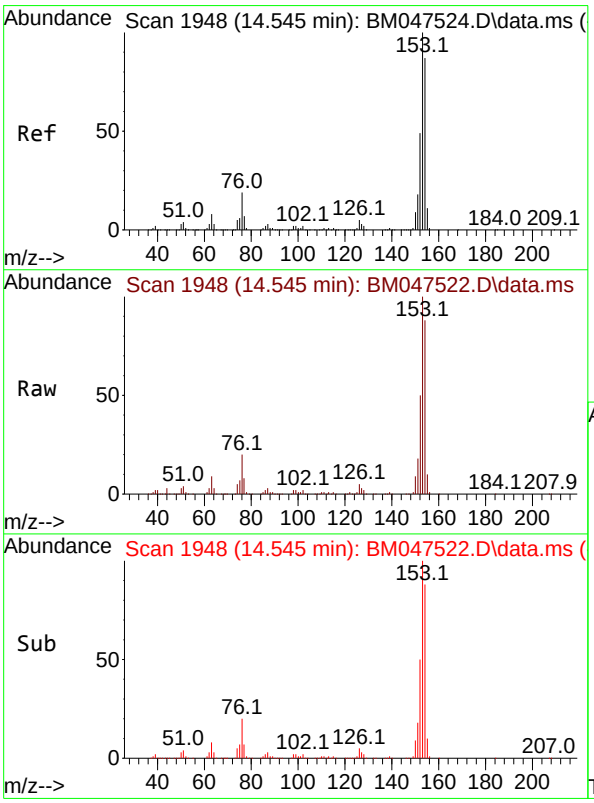
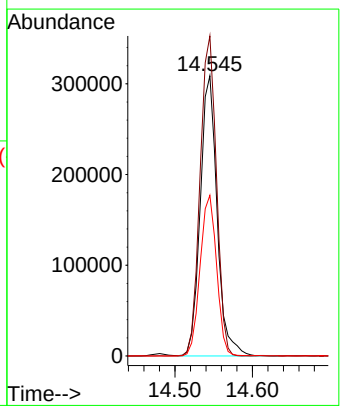
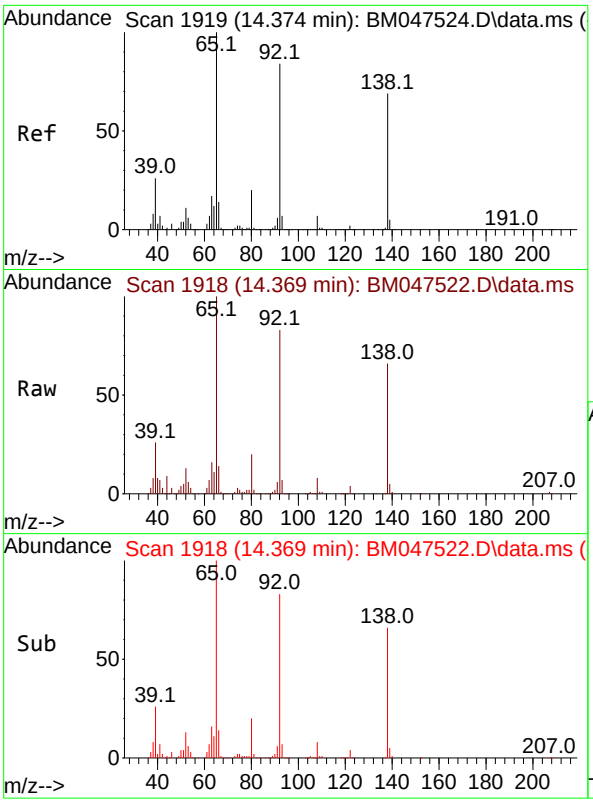


#52
Acenaphthene
Concen: 9.096 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:154 Resp: 467519

Ion	Ratio	Lower	Upper
154	100		
153	114.2	92.2	138.2
152	57.4	45.4	68.0





#53
3-Nitroaniline
Concen: 8.888 ng
RT: 14.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:138 Resp: 11961

Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.0	12.0
92	124.7	97.4	146.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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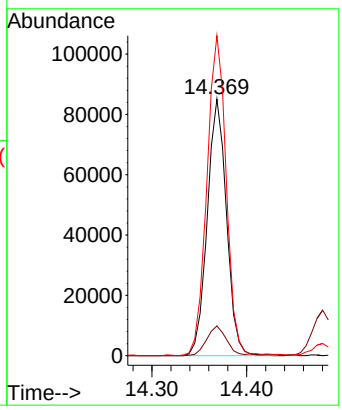
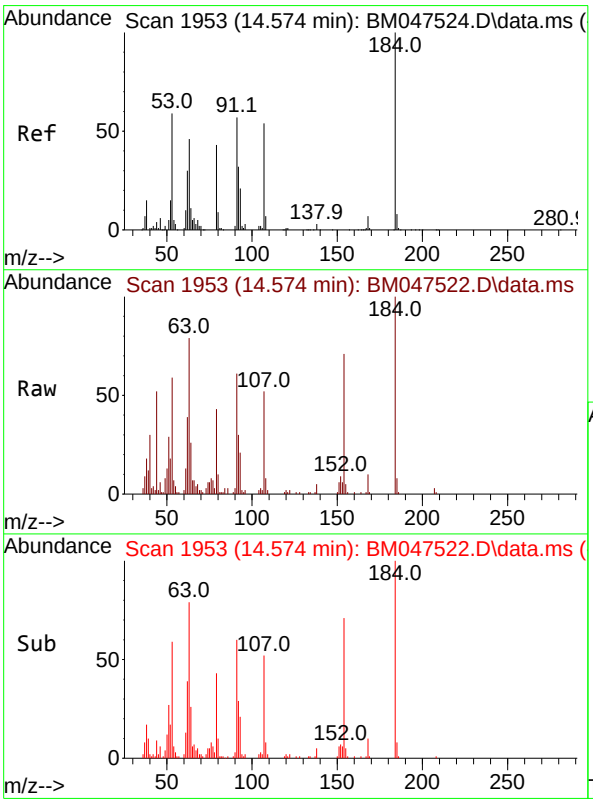
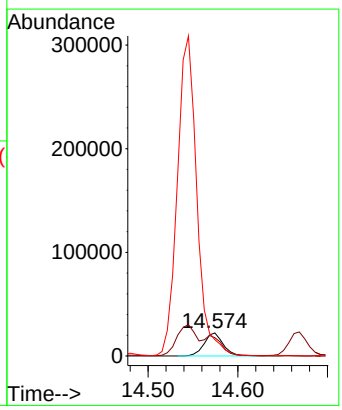


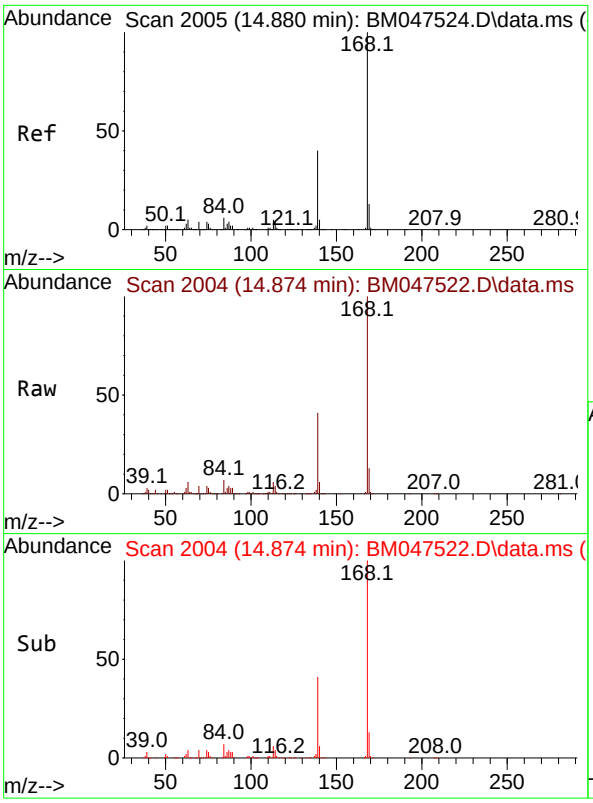


#54
2,4-Dinitrophenol
Concen: 9.768 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:184 Resp: 33163

Ion	Ratio	Lower	Upper
184	100		
63	79.2	69.4	104.0
154	70.7	60.4	90.6

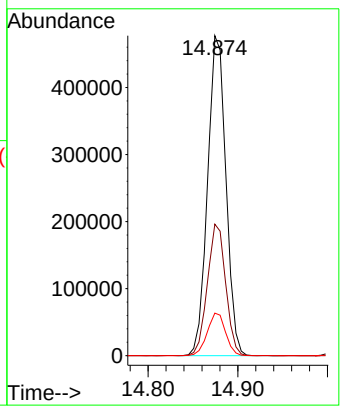




#55
Dibenzofuran
Concen: 9.374 ng
RT: 14.874 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:168 Resp: 67708

Ion	Ratio	Lower	Upper
168	100		
139	41.1	31.9	47.9
169	13.3	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
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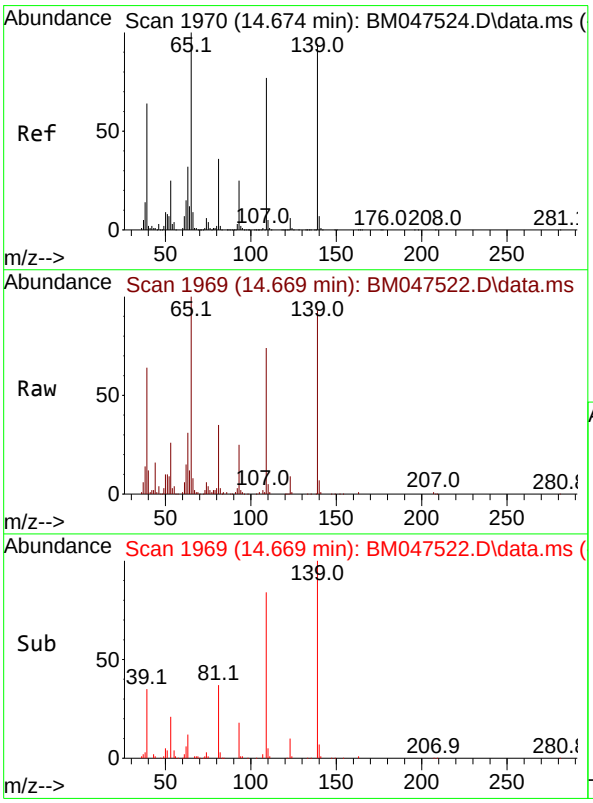
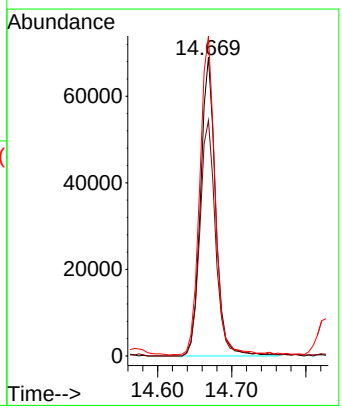
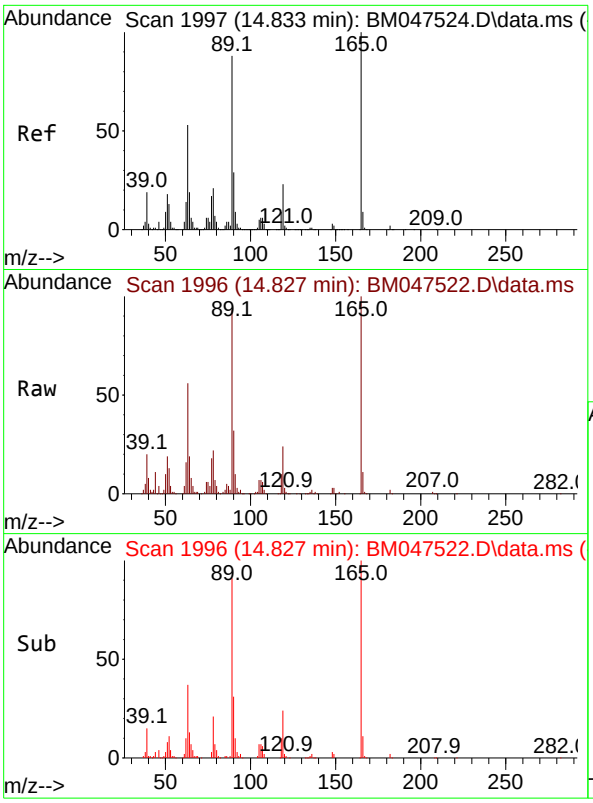


#56
4-Nitrophenol
Concen: 8.794 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:139 Resp: 97384

Ion	Ratio	Lower	Upper
139	100		
109	78.8	62.0	102.0
65	107.1	87.0	127.0

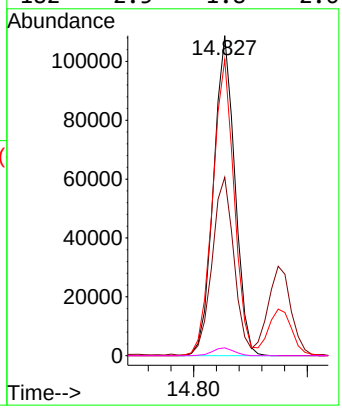




#57
2,4-Dinitrotoluene
Concen: 8.797 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:165 Resp: 14204

Ion	Ratio	Lower	Upper
165	100		
63	55.8	42.4	63.6
89	92.6	70.5	105.7
182	2.5	1.8	2.6



Instrument :
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ClientSampleId :
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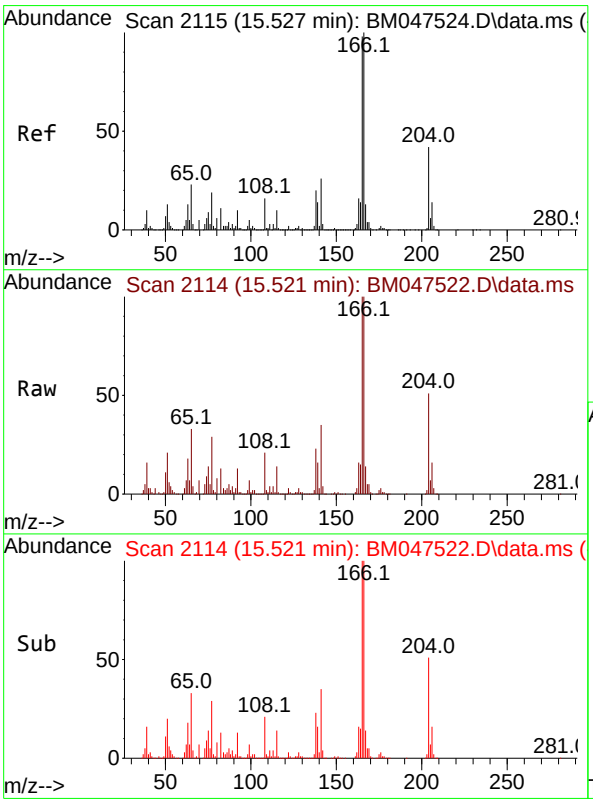
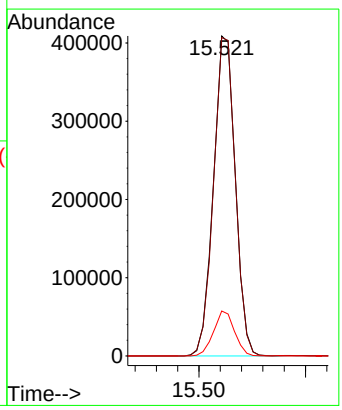
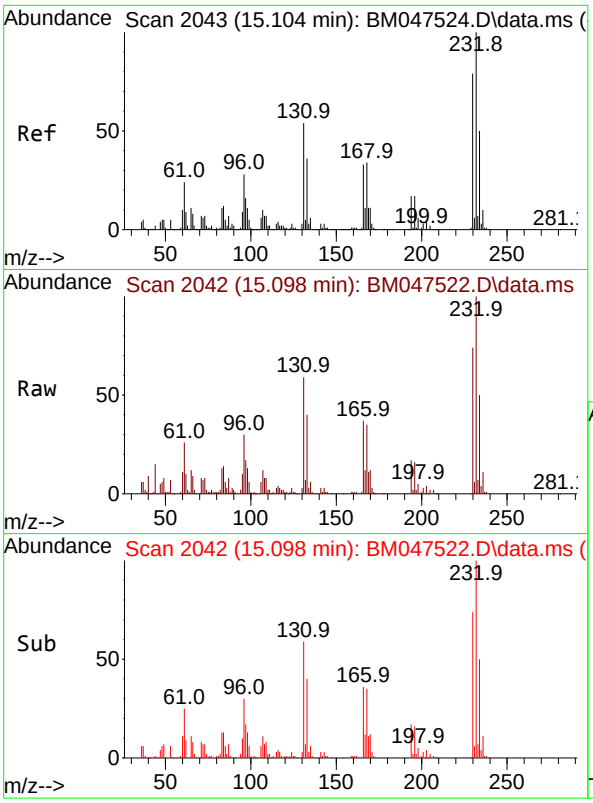


#58
Fluorene
Concen: 8.914 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:166 Resp: 579655

Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.6	117.8
167	14.1	10.7	16.1

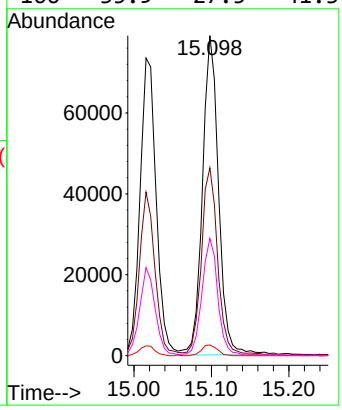




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.069 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:232 Resp: 11392

Ion	Ratio	Lower	Upper
232	100		
131	60.7	47.0	70.4
130	3.3	2.6	3.8
166	35.9	27.5	41.3



Instrument :
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ClientSampleId :
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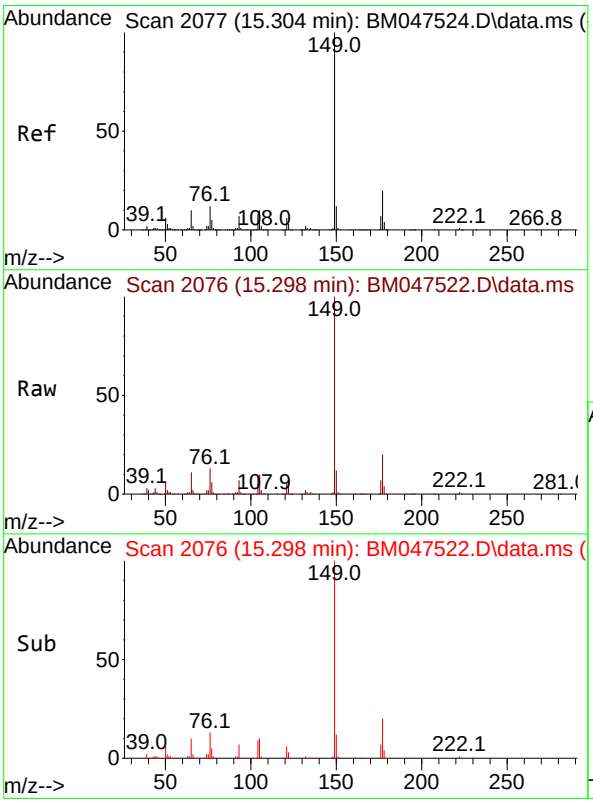
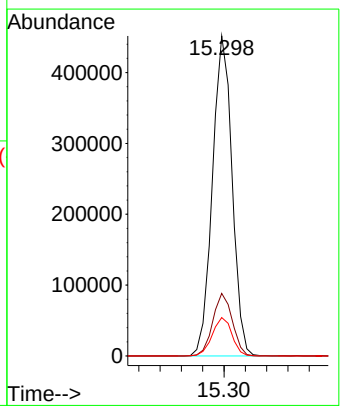
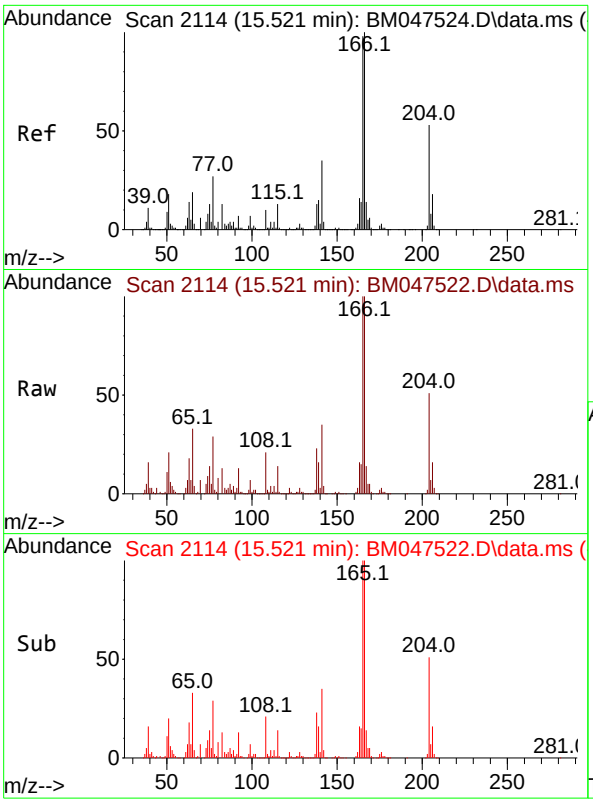


#60
Diethylphthalate
Concen: 9.472 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 578136

Ion	Ratio	Lower	Upper
149	100		
177	19.5	15.8	23.8
150	12.0	9.7	14.5

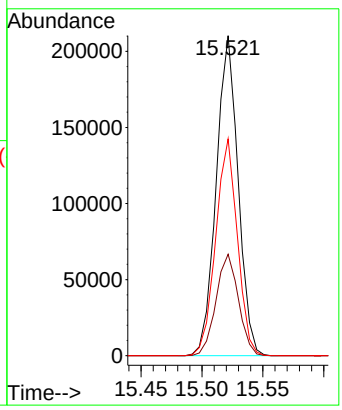




#61
4-Chlorophenyl-phenylether
Concen: 8.849 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:204 Resp: 26312

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.5	39.7
141	67.8	52.1	78.1



Instrument :
BNA_M
ClientSampleId :
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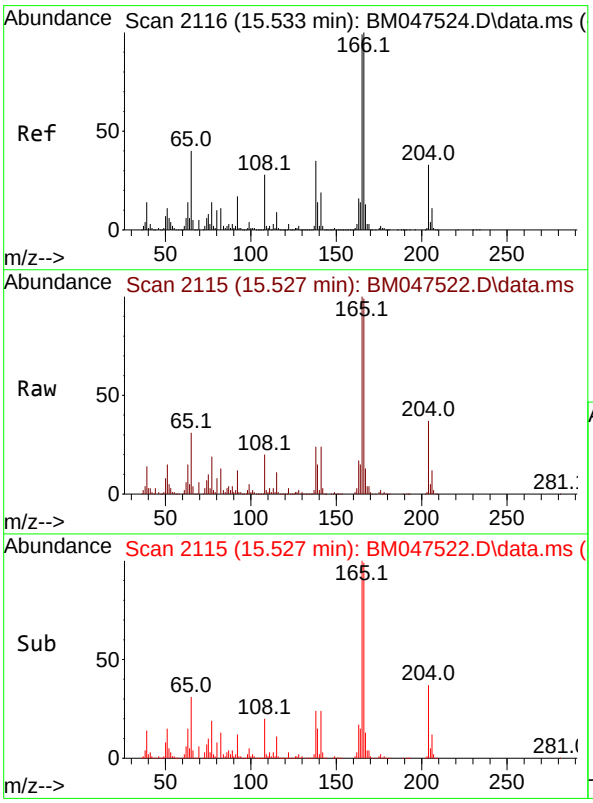
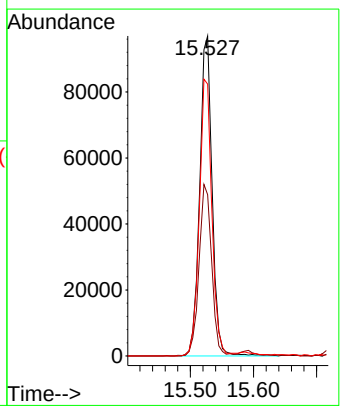
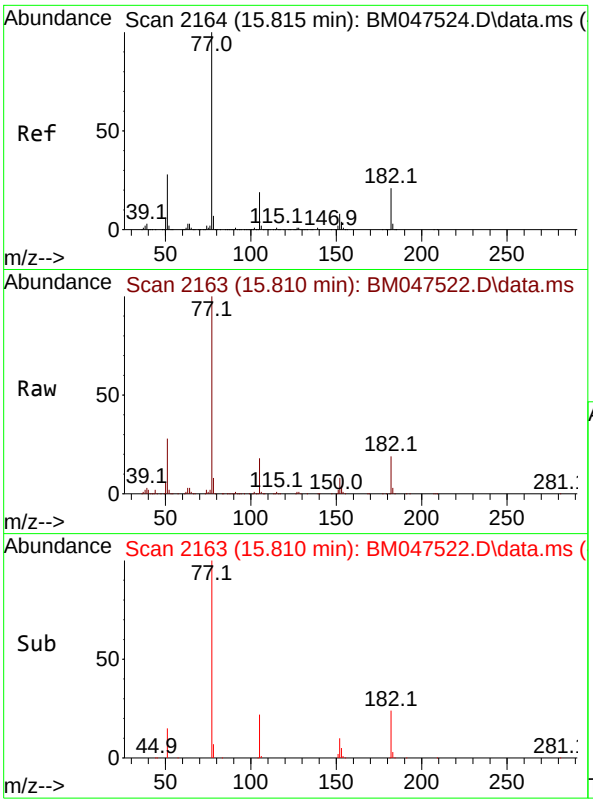


#62
4-Nitroaniline
Concen: 8.380 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:138 Resp: 132564

Ion	Ratio	Lower	Upper
138	100		
92	50.4	30.0	70.0
108	85.0	61.7	101.7

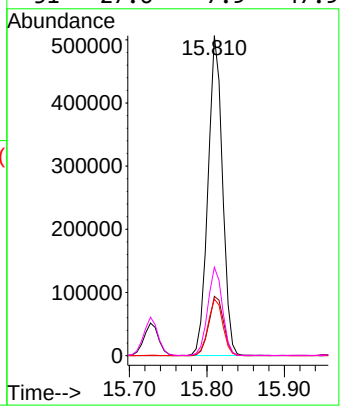




#63
Azobenzene
Concen: 9.759 ng
RT: 15.810 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 77 Resp: 65589

Ion	Ratio	Lower	Upper
77	100		
182	18.5	1.2	41.2
105	17.6	0.0	39.4
51	27.6	7.9	47.9



Instrument :
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ClientSampleId :
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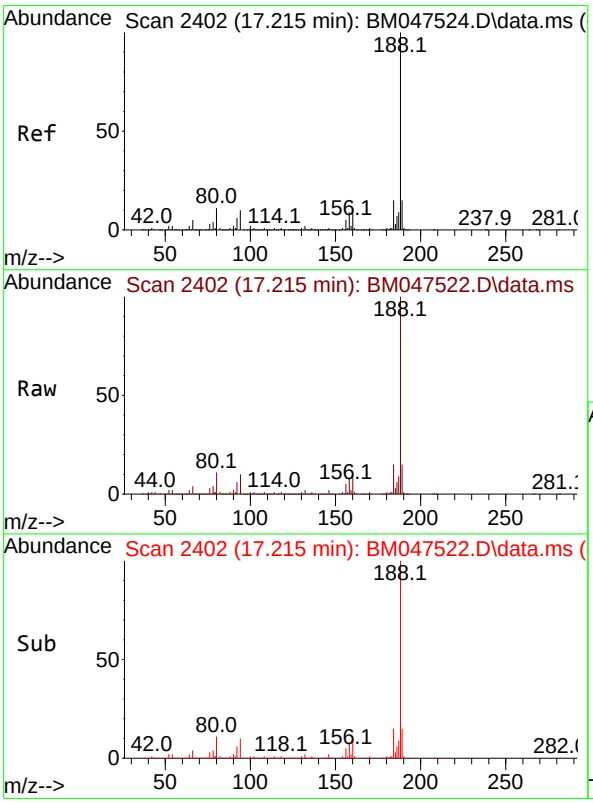
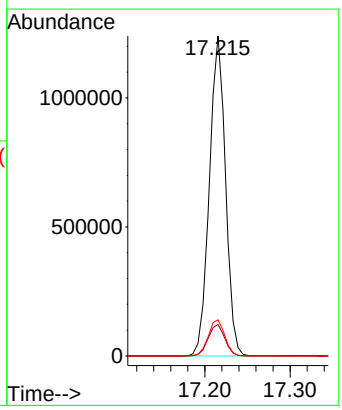
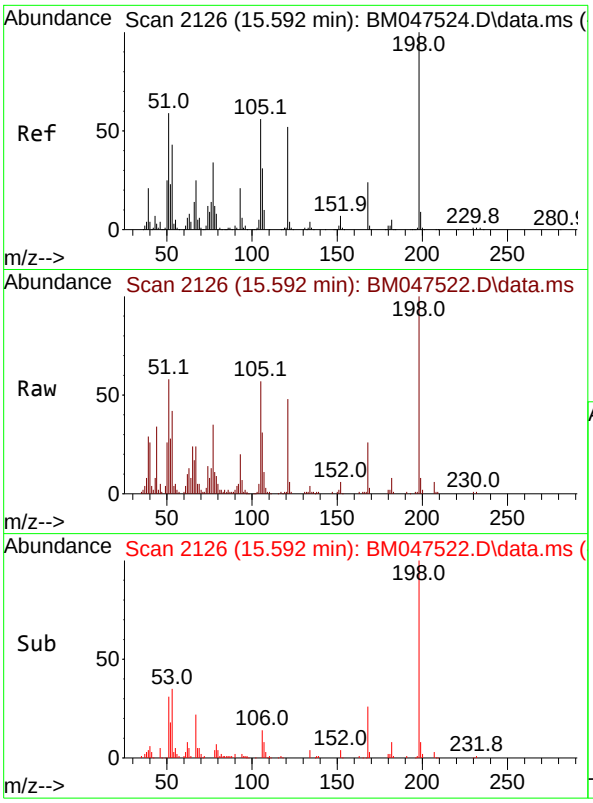


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:188 Resp: 1630578

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.4	12.6
80	11.3	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 12.260 ng
RT: 15.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:198 Resp: 4968

Ion	Ratio	Lower	Upper
198	100		
51	57.7	41.5	81.5
105	57.2	36.4	76.4

Instrument :
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ClientSampleId :
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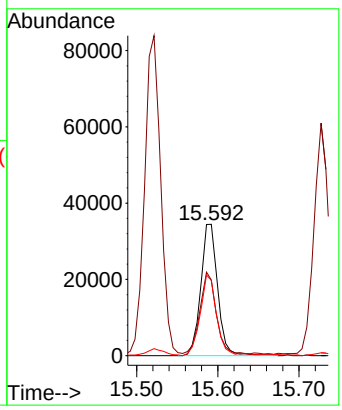
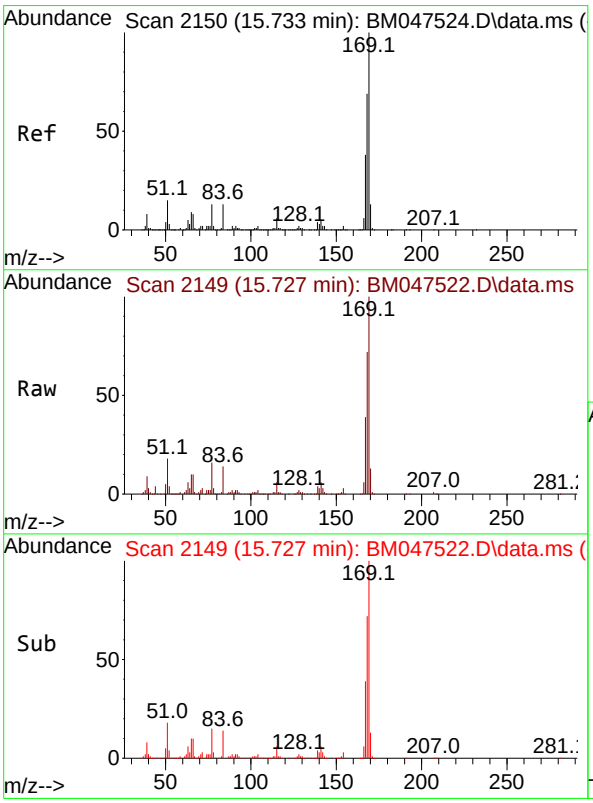
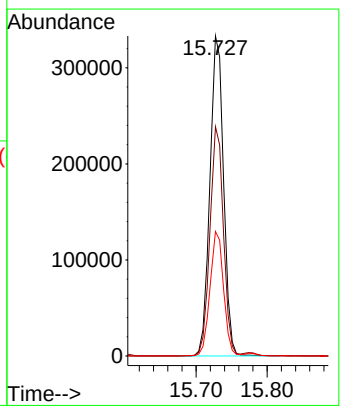


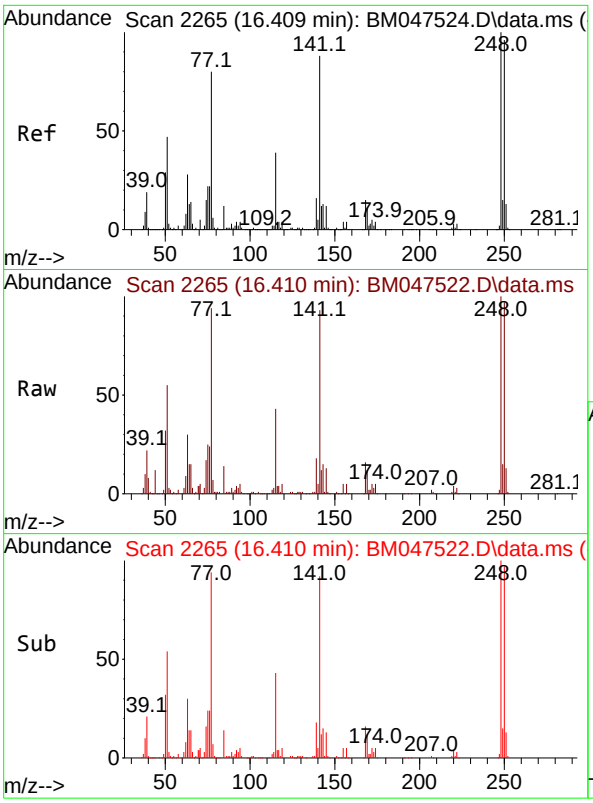


#66
n-Nitrosodiphenylamine
Concen: 8.925 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:169 Resp: 445180

Ion	Ratio	Lower	Upper
169	100		
168	71.6	55.3	82.9
167	38.9	30.5	45.7

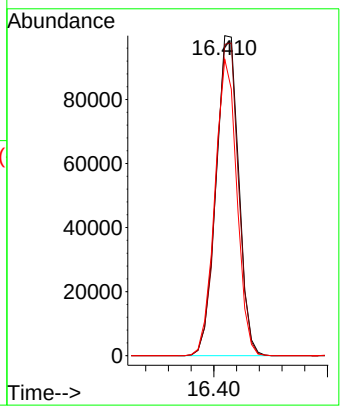




#67
4-Bromophenyl-phenylether
Concen: 8.738 ng
RT: 16.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:248 Resp: 13844

Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.9	115.3
141	92.6	70.8	106.2



Instrument :
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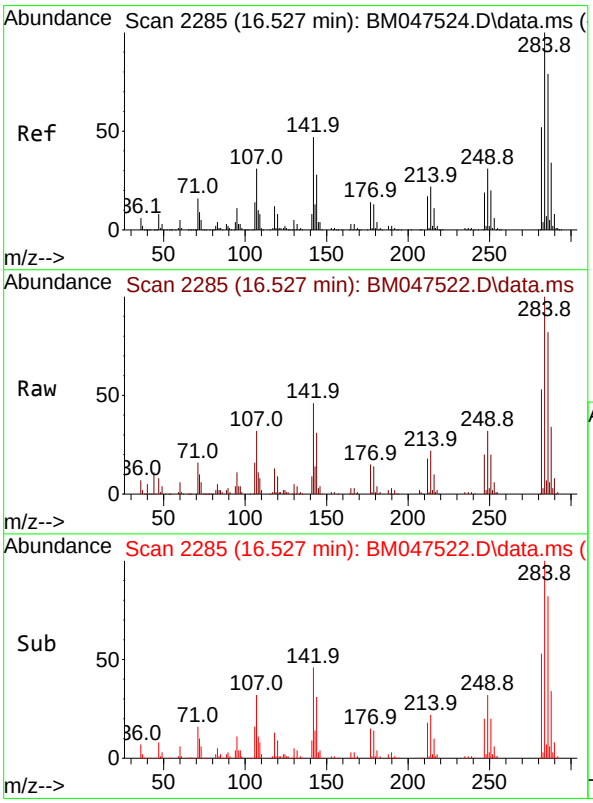
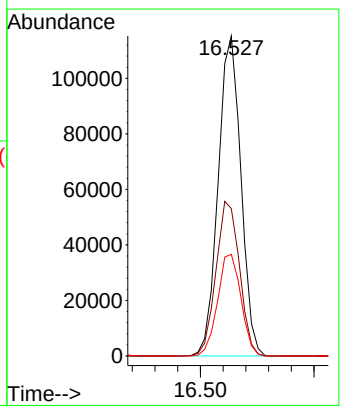
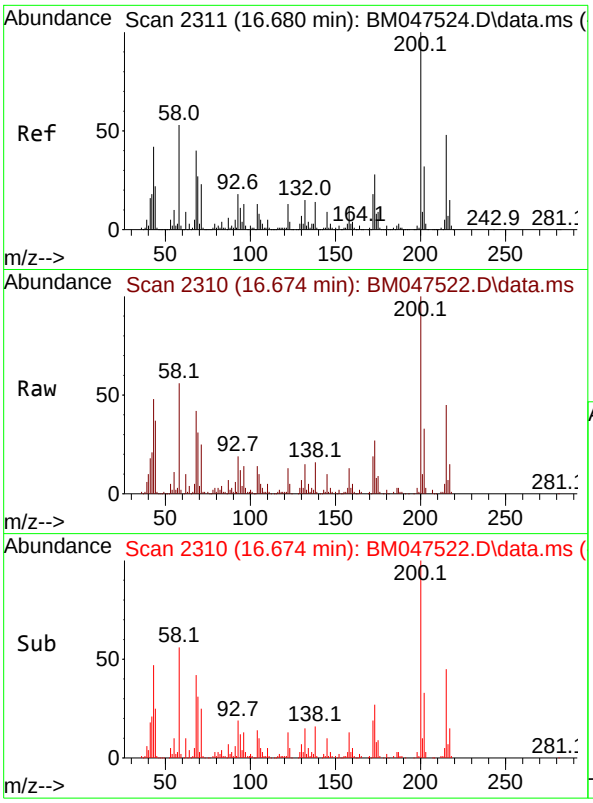


#68
Hexachlorobenzene
Concen: 8.922 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:284 Resp: 160144

Ion	Ratio	Lower	Upper
284	100		
142	46.1	37.3	55.9
249	31.7	24.5	36.7

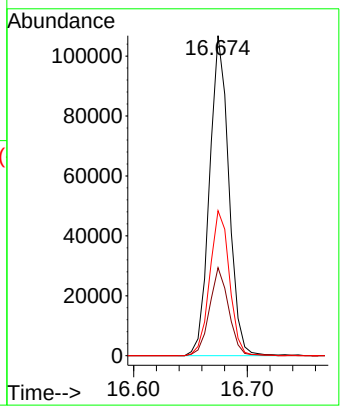




#69
Atrazine
Concen: 9.145 ng
RT: 16.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:200 Resp: 12608

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.7	47.7
215	45.3	27.9	67.9



Instrument :
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ClientSampleId :
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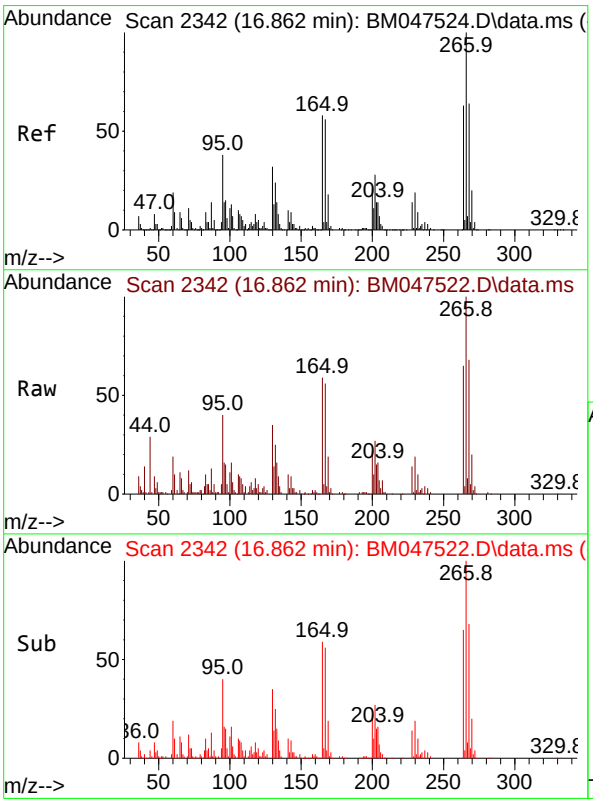
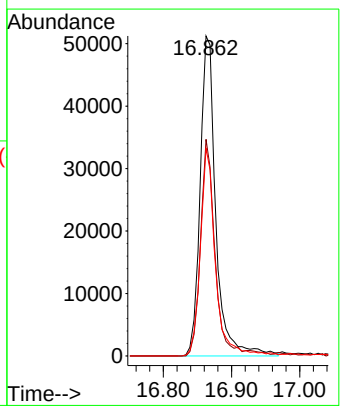
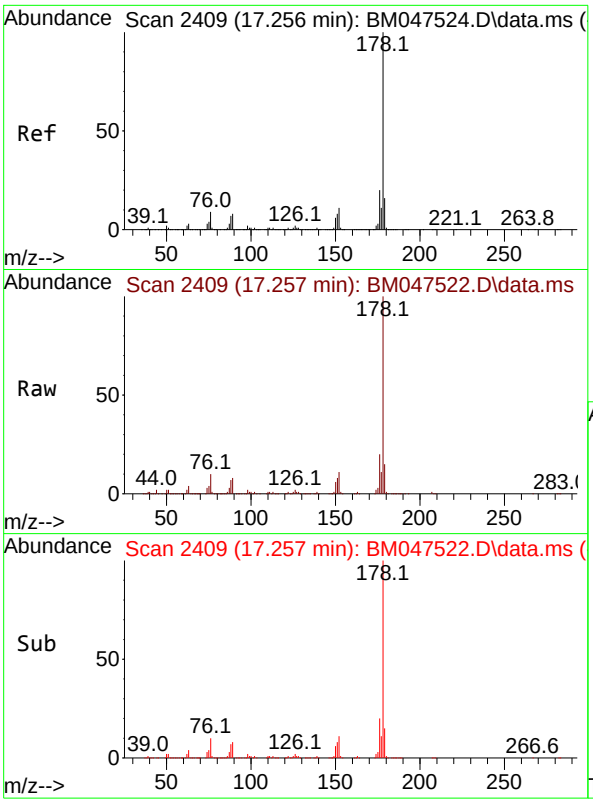


#70
Pentachlorophenol
Concen: 7.890 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:266 Resp: 82092

Ion	Ratio	Lower	Upper
266	100		
268	67.7	51.0	76.4
264	64.9	50.4	75.6

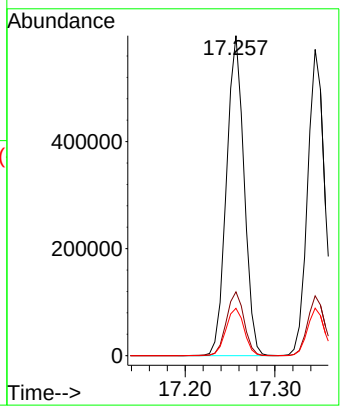




#71
Phenanthrene
Concen: 9.064 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:178 Resp: 81448(

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	14.8	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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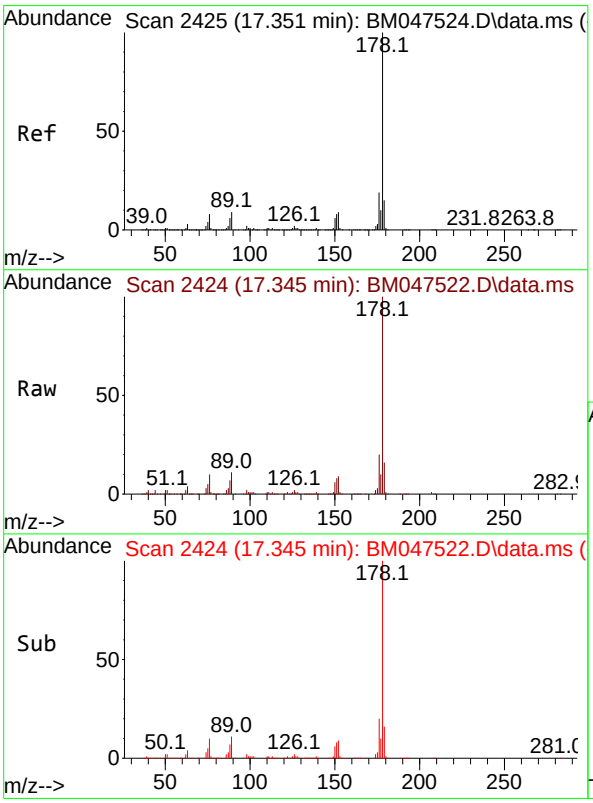
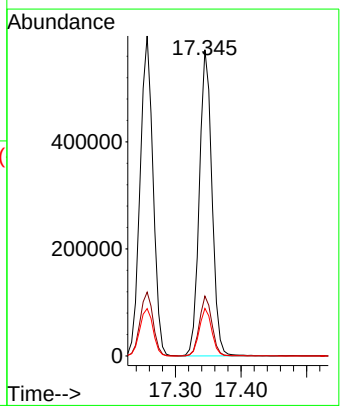
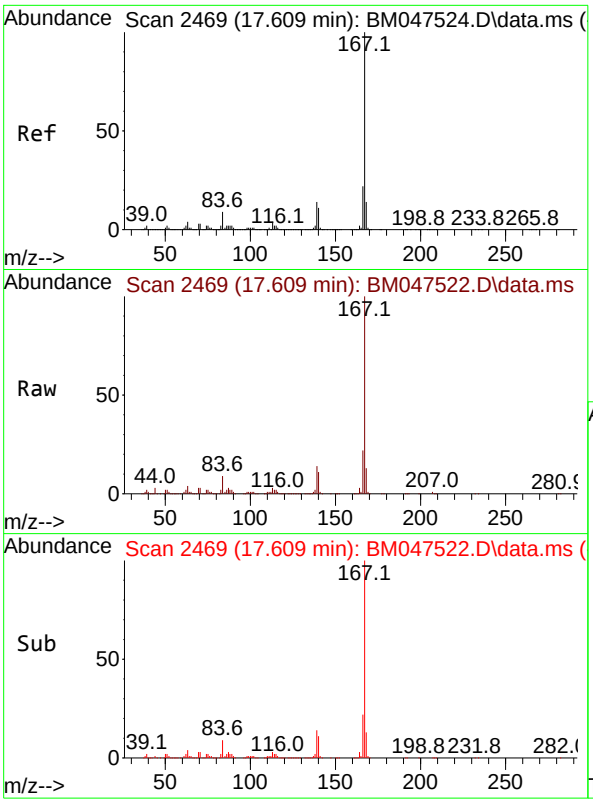


#72
Anthracene
Concen: 8.864 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:178 Resp: 765298

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.5	12.3	18.5

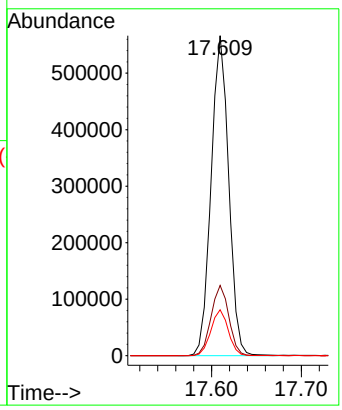




#73
Carbazole
Concen: 9.011 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:167 Resp: 77098

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	14.3	11.0	16.6



Instrument :
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ClientSampleId :
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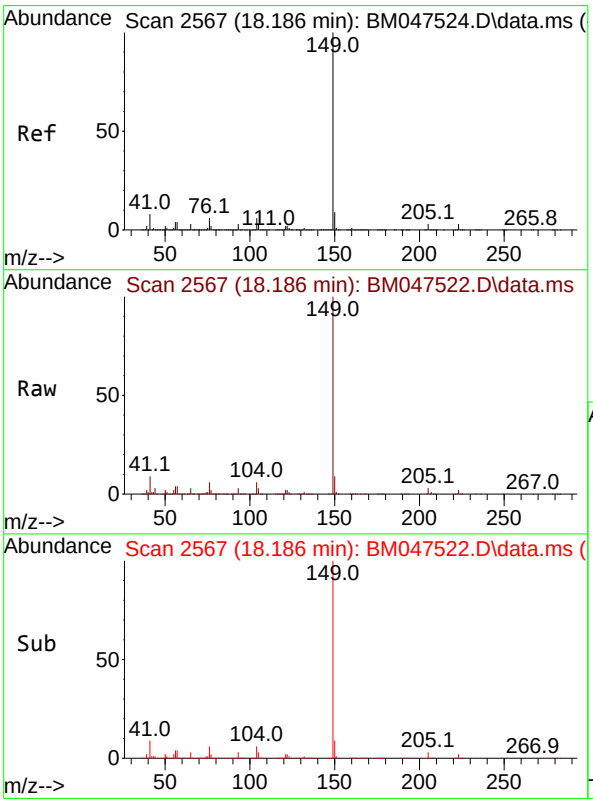
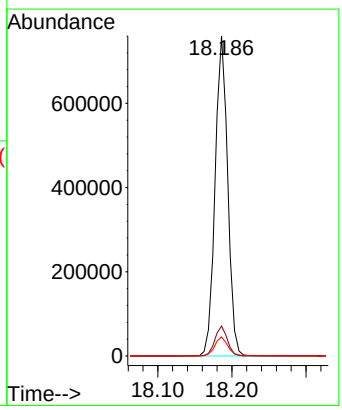
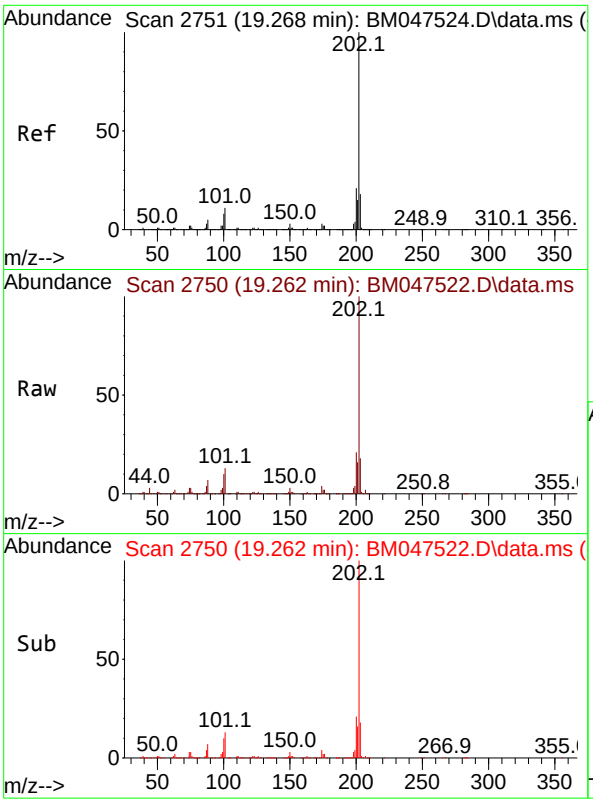


#74
Di-n-butylphthalate
Concen: 8.736 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 894326

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	6.0	4.6	6.8

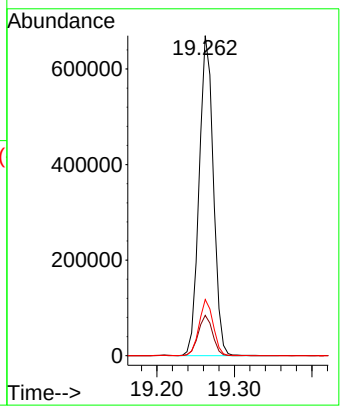




#75
Fluoranthene
Concen: 8.684 ng
RT: 19.262 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:202 Resp: 85141

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.8
203	17.6	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
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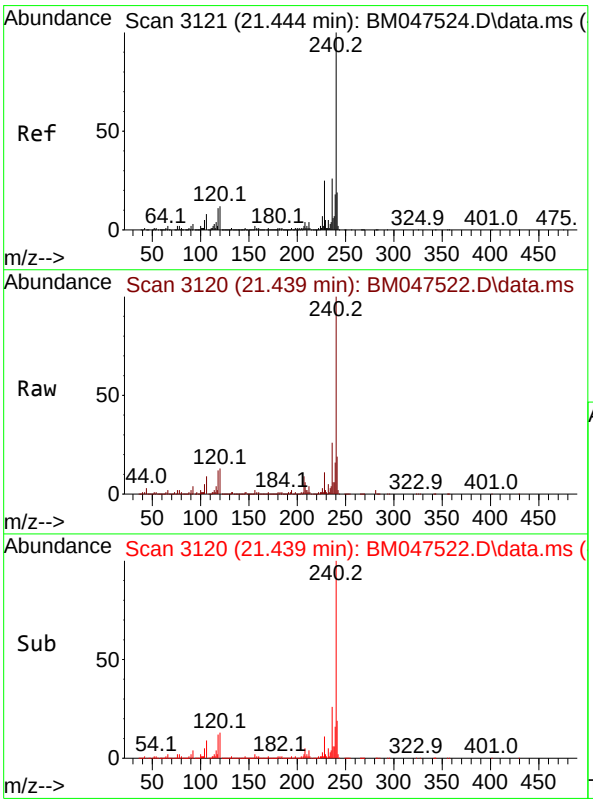
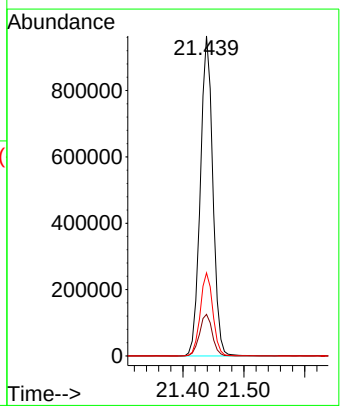
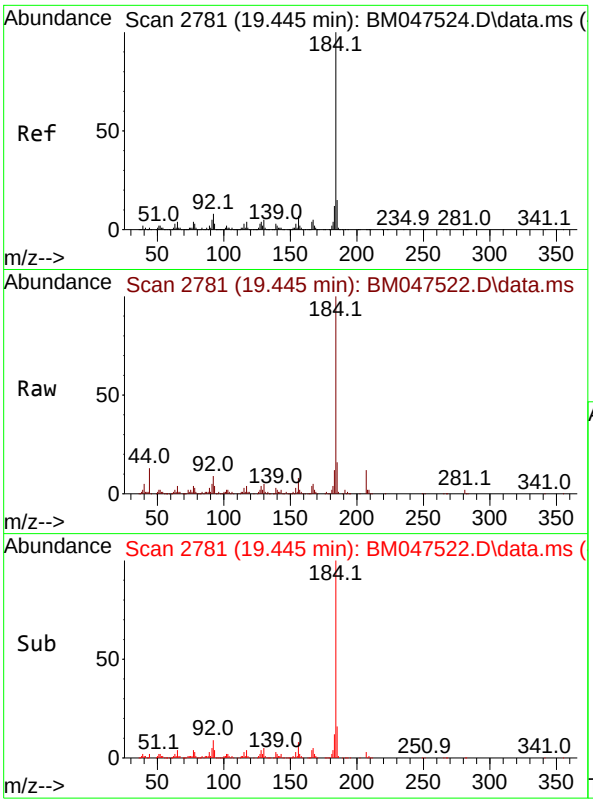


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:240 Resp: 1372489

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.6	14.4
236	26.0	20.9	31.3

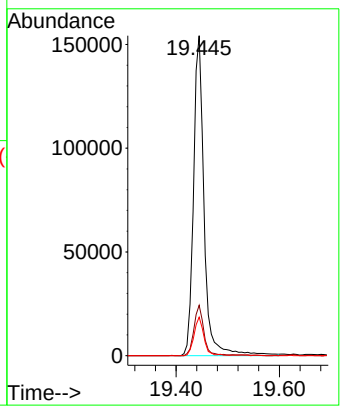




#77
Benzidine
Concen: 11.370 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:184 Resp: 21978

Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.2	18.2
183	12.1	9.6	14.4



Instrument :
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ClientSampleId :
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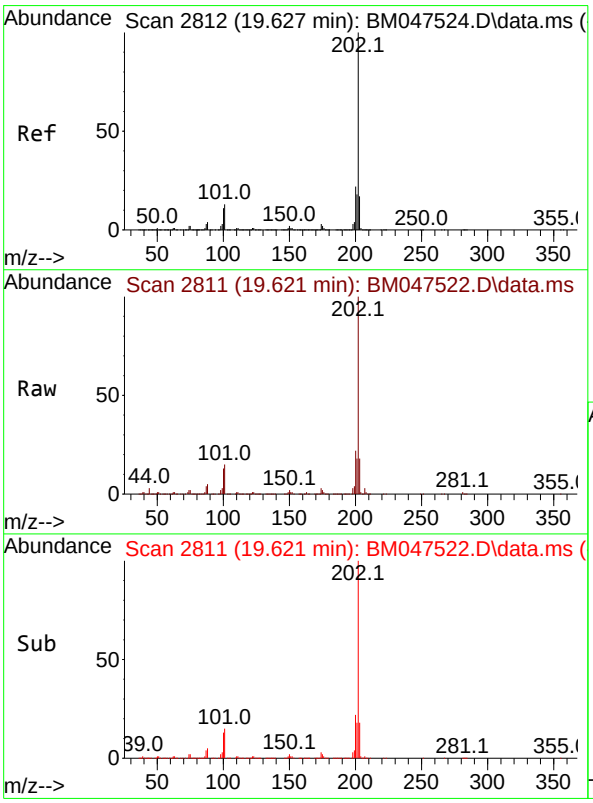
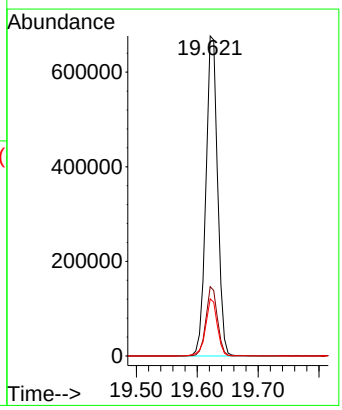
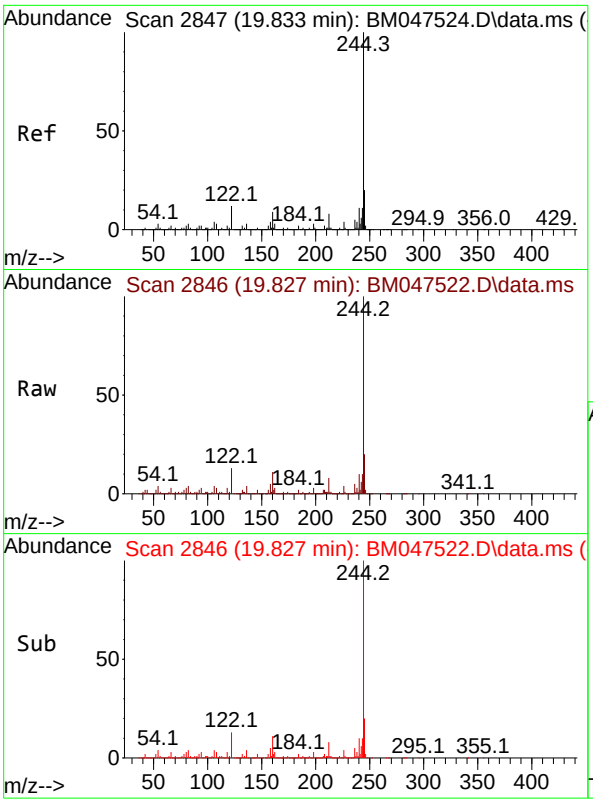


#78
Pyrene
Concen: 9.028 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:202 Resp: 903792

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.8	14.0	21.0

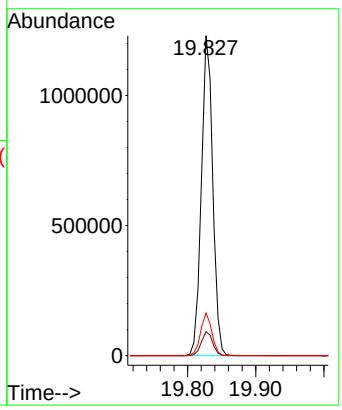




#79
Terphenyl-d14
Concen: 18.586 ng
RT: 19.827 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:244 Resp: 142357

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.3	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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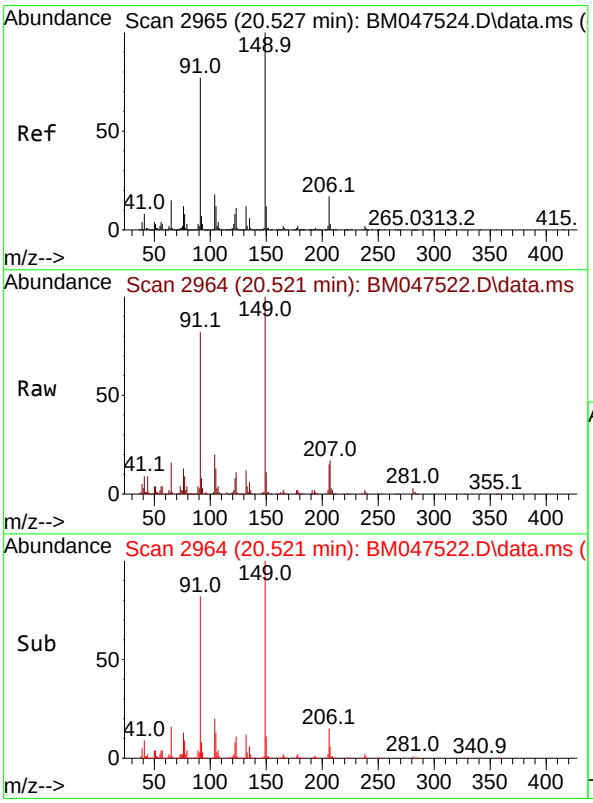
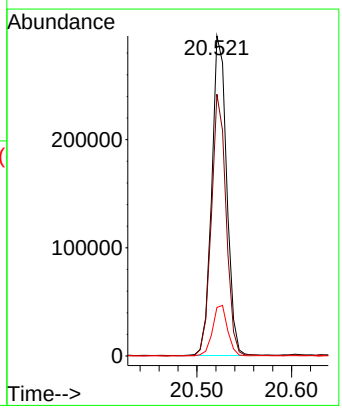
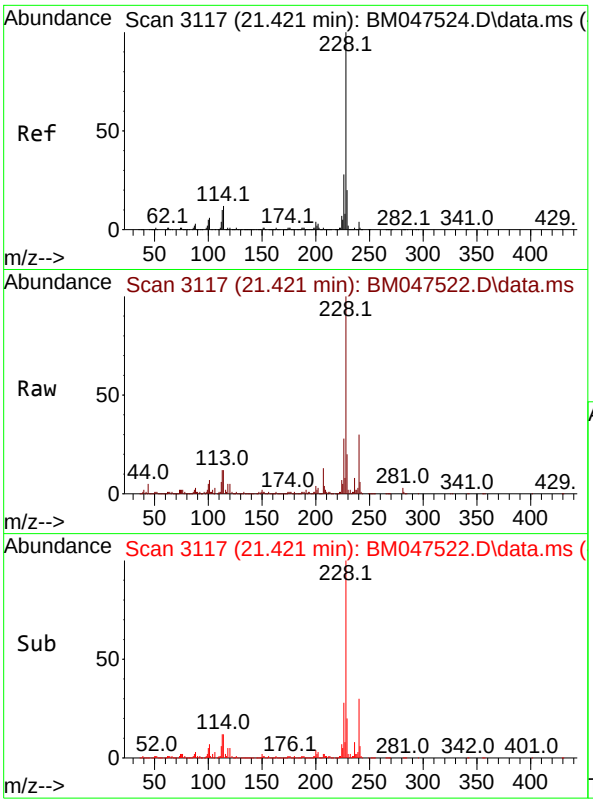


#80
Butylbenzylphthalate
Concen: 8.440 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 325275

Ion	Ratio	Lower	Upper
149	100		
91	81.8	62.0	93.0
206	15.2	13.8	20.8

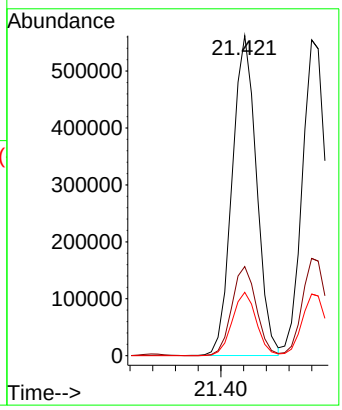




#81
Benzo(a)anthracene
Concen: 9.357 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:228 Resp: 83707

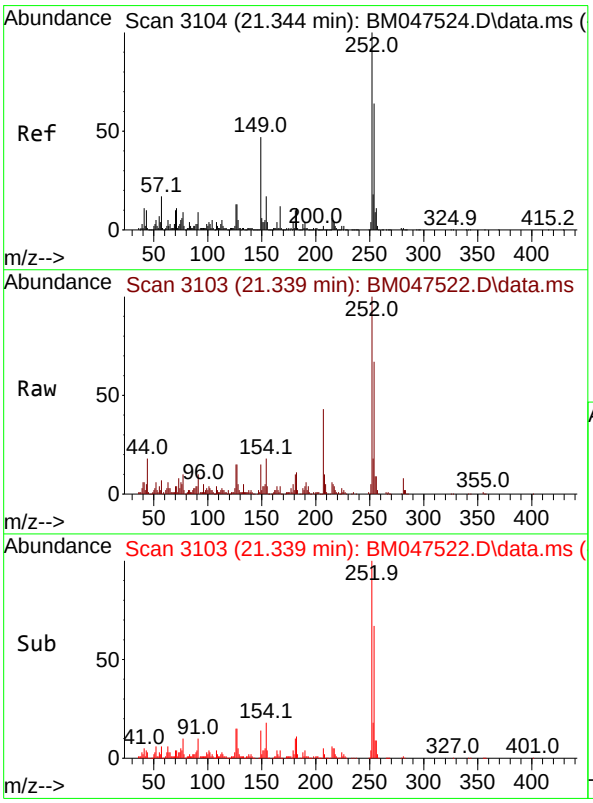
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	19.8	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

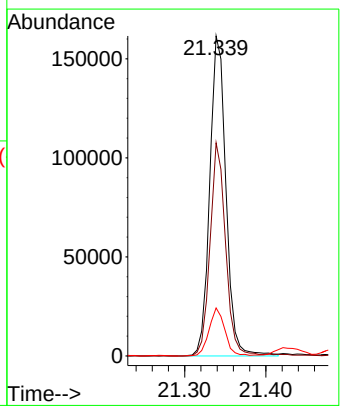
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

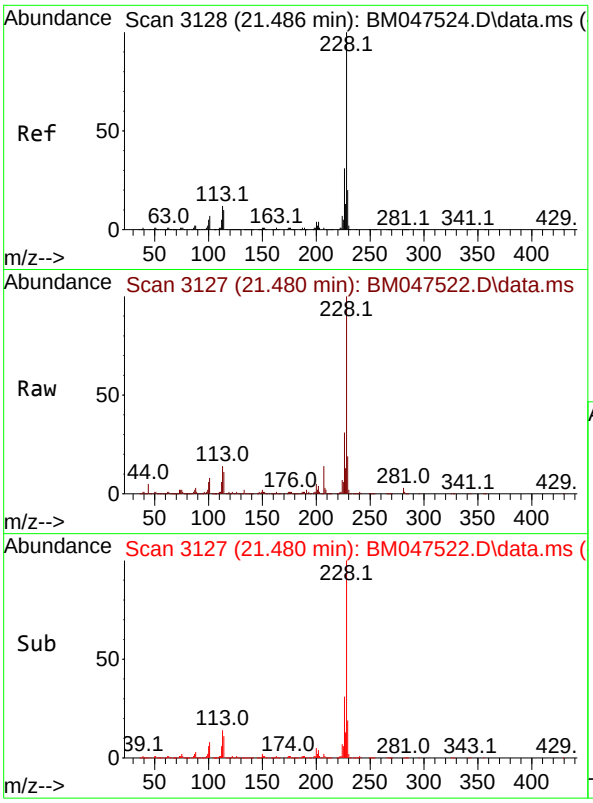


#82
3,3'-Dichlorobenzidine
Concen: 9.410 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 223939

Ion	Ratio	Lower	Upper
252	100		
254	66.6	51.5	77.3
126	15.0	10.3	15.5

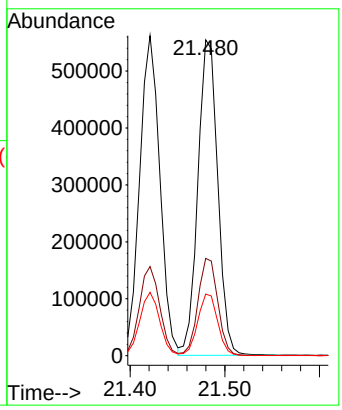




#83
Chrysene
Concen: 9.553 ng
RT: 21.480 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:228 Resp: 80830

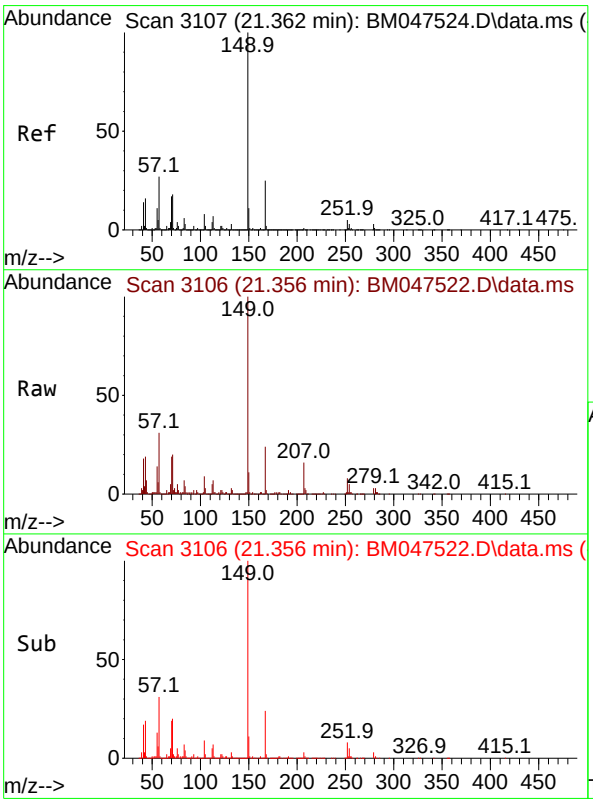
Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	19.5	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

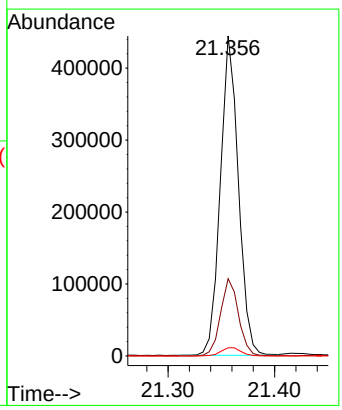
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

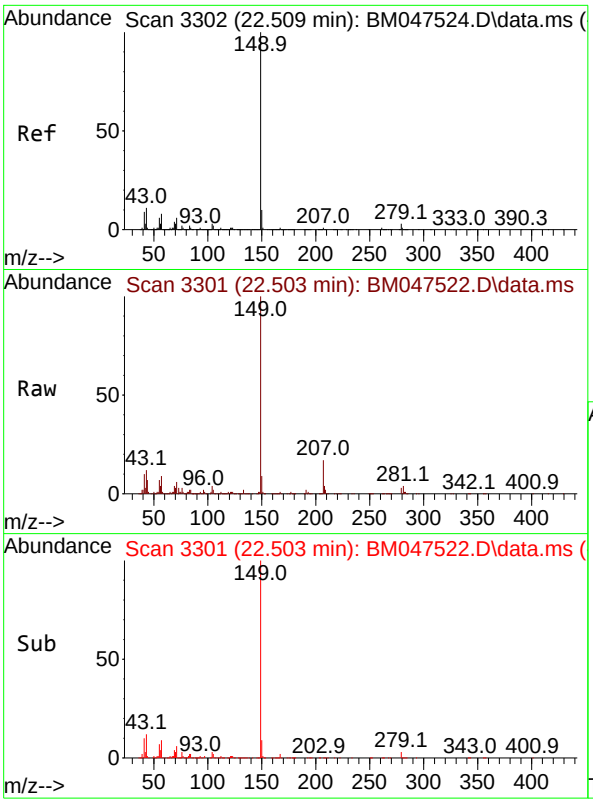


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.654 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 522491

Ion	Ratio	Lower	Upper
149	100		
167	24.2	20.2	30.4
279	2.6	2.6	4.0#

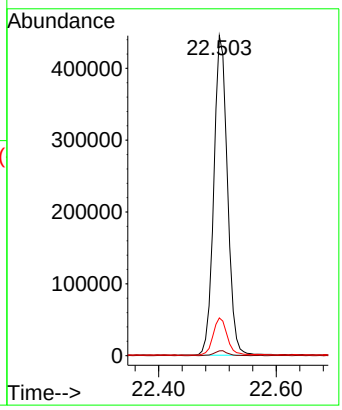




#85
Di-n-octyl phthalate
Concen: 8.380 ng
RT: 22.503 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 71560

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	12.1	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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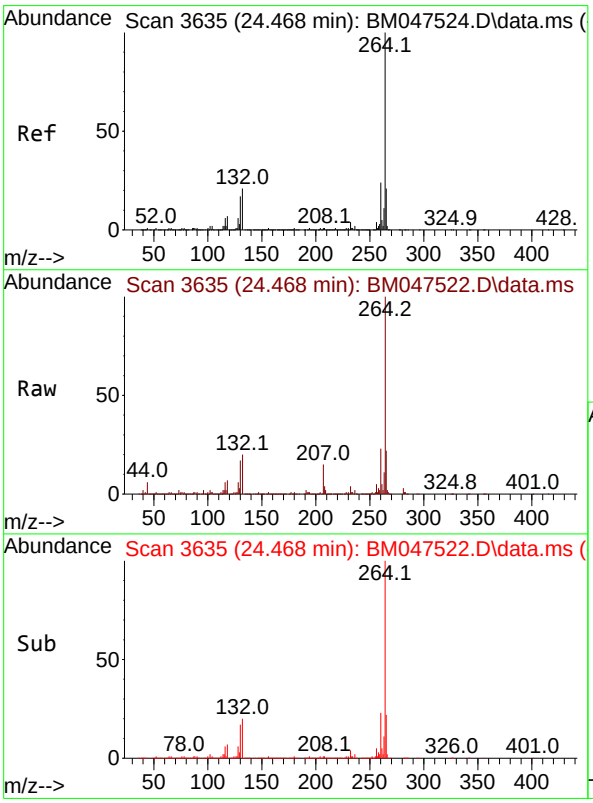
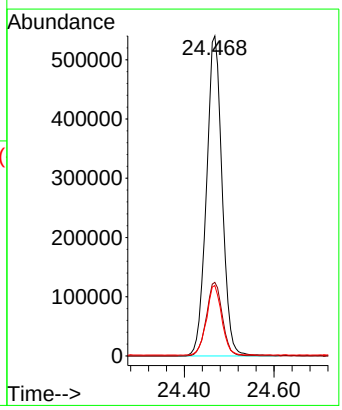
Supervised By :mohammad ahmed 09/17/2024

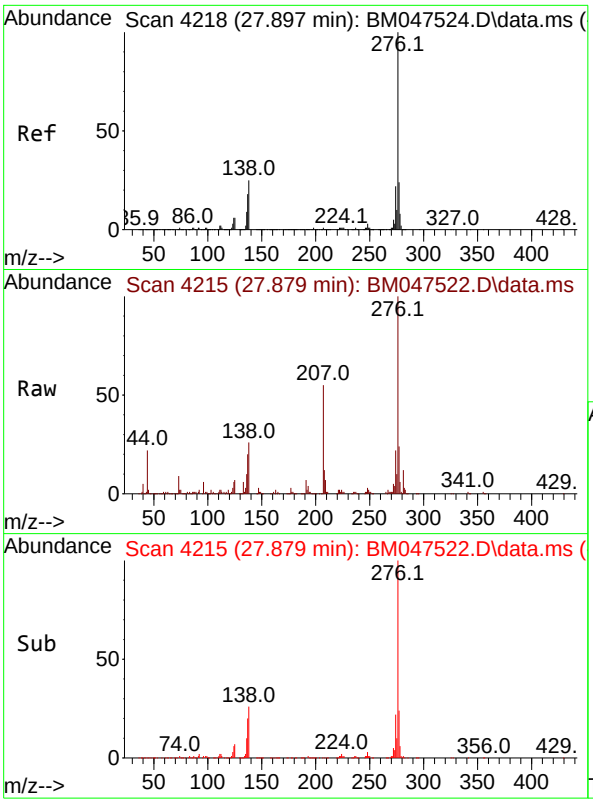


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:264 Resp: 1311119

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.9	28.3
265	22.0	17.4	26.2

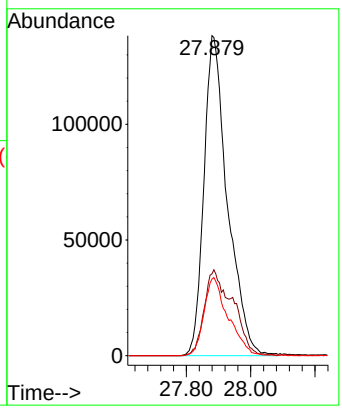




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.979 ng
RT: 27.879 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:276 Resp: 70455

Ion	Ratio	Lower	Upper
276	100		
138	32.4	25.0	37.6
277	25.0	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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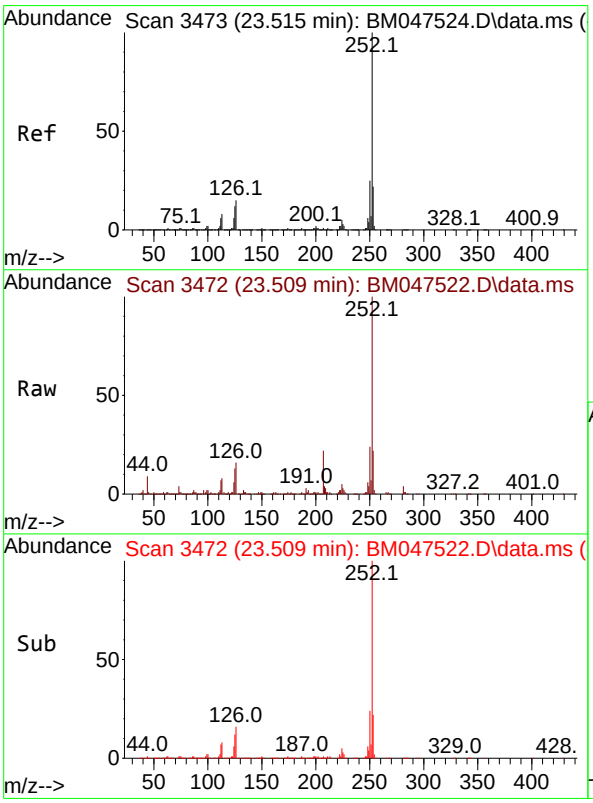
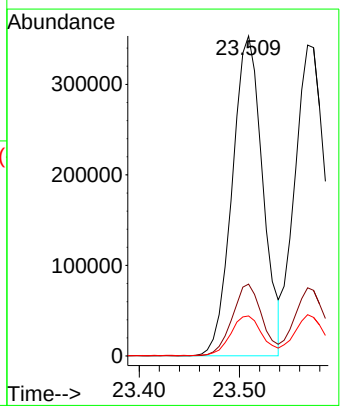
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

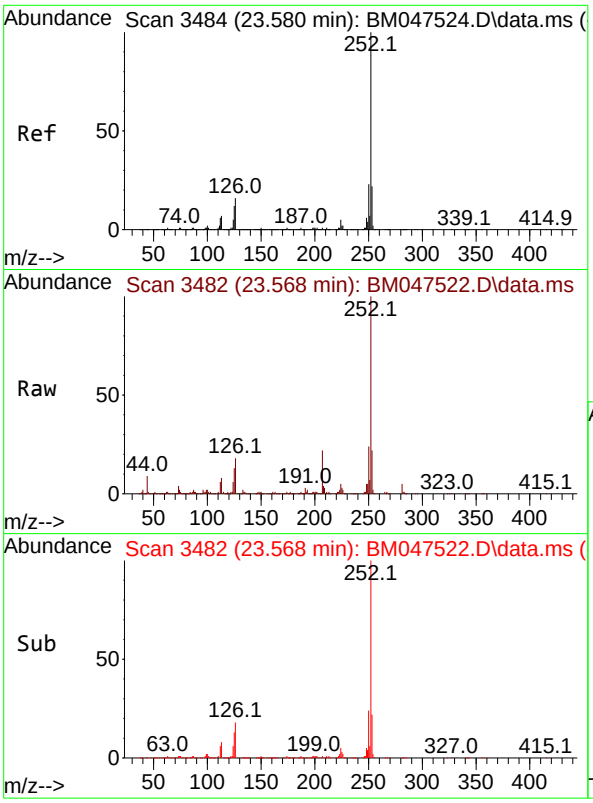


#88
Benzo(b)fluoranthene
Concen: 8.823 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 748473

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	12.5	9.5	14.3

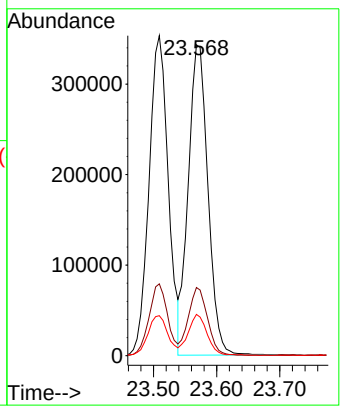




#89
Benzo(k)fluoranthene
Concen: 8.816 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 74123

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	13.3	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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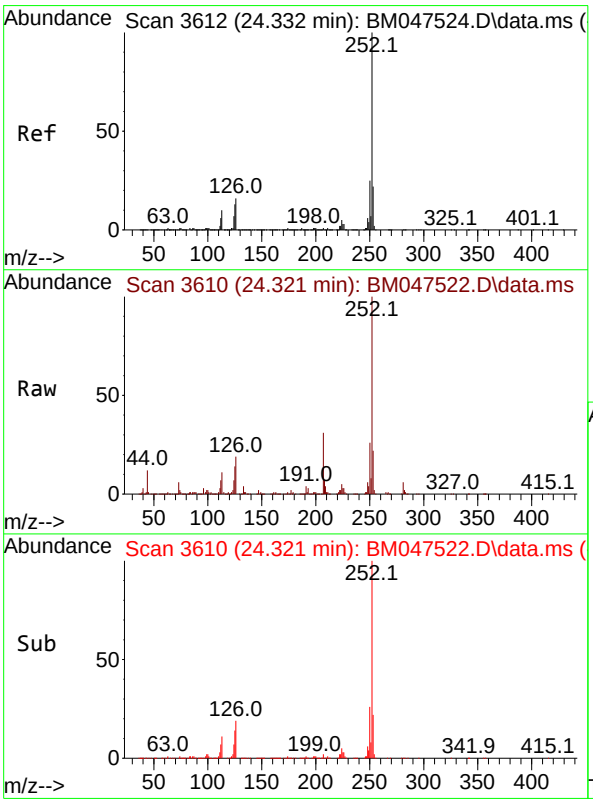
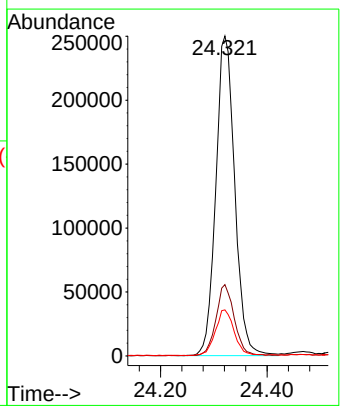
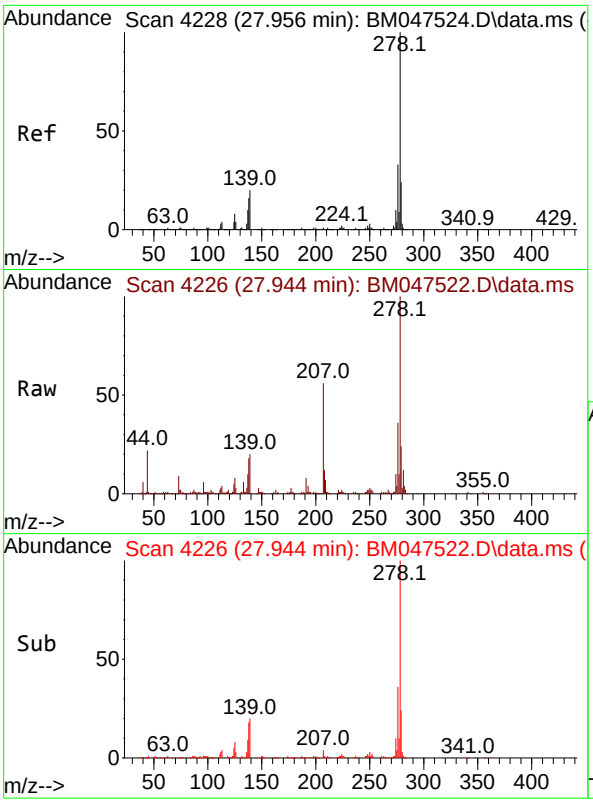


#90
Benzo(a)pyrene
Concen: 8.868 ng
RT: 24.321 min Scan# 3610
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 616575

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	14.4	10.2	15.4

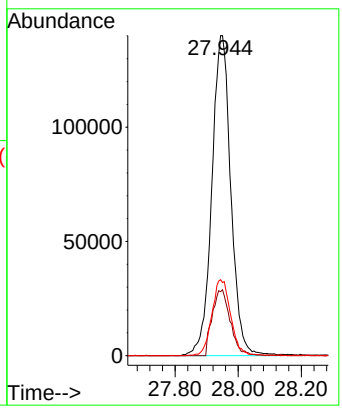




#91
Dibenzo(a,h)anthracene
Concen: 8.876 ng
RT: 27.944 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:278 Resp: 58595

Ion	Ratio	Lower	Upper
278	100		
139	20.0	15.9	23.9
279	23.8	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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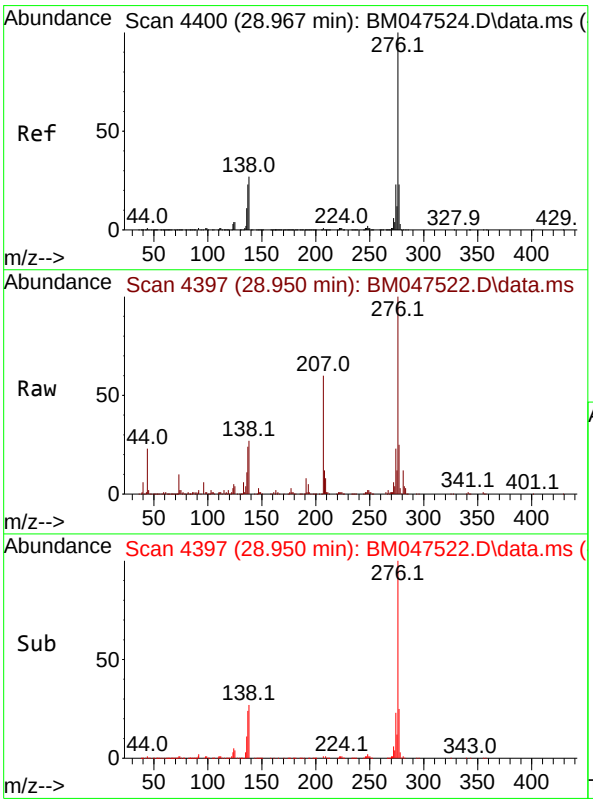
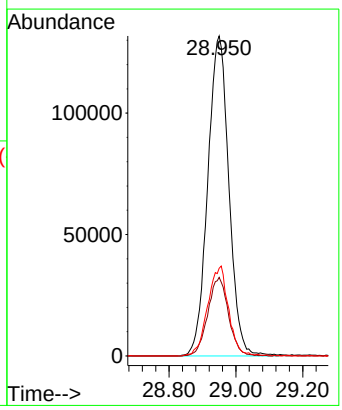
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#92
Benzo(g,h,i)perylene
Concen: 8.972 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.018 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:276 Resp: 578576

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	27.4	21.5	32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.852	152	342855	20.000	ng		0.00
21) Naphthalene-d8	10.646	136	1526527	20.000	ng		0.00
39) Acenaphthene-d10	14.481	164	923702	20.000	ng		0.00
64) Phenanthrene-d10	17.216	188	1751897	20.000	ng		0.00
76) Chrysene-d12	21.439	240	1587065	20.000	ng		0.00
86) Perylene-d12	24.468	264	1465788	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	842282	39.116	ng		0.00
7) Phenol-d6	7.005	99	1177575	38.832	ng		0.00
23) Nitrobenzene-d5	8.999	82	1222672	40.084	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	327422	36.672	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	2559019	38.163	ng		0.00
79) Terphenyl-d14	19.833	244	3625135	40.931	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.323	88	189333	20.528	ng		99
3) Pyridine	3.717	79	546657	19.917	ng		98
4) n-Nitrosodimethylamine	3.623	42	254521	20.433	ng	#	97
6) Aniline	7.169	93	536515	19.956	ng		99
8) 2-Chlorophenol	7.416	128	473252	19.936	ng		99
9) Benzaldehyde	6.987	77	340293	23.600	ng		97
10) Phenol	7.034	94	598992	19.727	ng		98
11) bis(2-Chloroethyl)ether	7.269	93	488762	20.050	ng		99
12) 1,3-Dichlorobenzene	7.740	146	513128	19.749	ng		97
13) 1,4-Dichlorobenzene	7.887	146	524273	19.811	ng		99
14) 1,2-Dichlorobenzene	8.205	146	515238	19.783	ng		99
15) Benzyl Alcohol	8.081	79	408249	19.875	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.381	45	707847	20.643	ng		99
17) 2-Methylphenol	8.287	107	386855	19.944	ng		99
18) Hexachloroethane	8.934	117	214917	20.329	ng		97
19) n-Nitroso-di-n-propyla...	8.652	70	421768	20.628	ng		99
20) 3+4-Methylphenols	8.610	107	545591	20.158	ng		99
22) Acetophenone	8.669	105	792471	19.746	ng	#	99
24) Nitrobenzene	9.046	77	636650	20.312	ng		99
25) Isophorone	9.575	82	1076607	20.077	ng		99
26) 2-Nitrophenol	9.757	139	203827	19.084	ng		97
27) 2,4-Dimethylphenol	9.816	122	322430	19.915	ng		98
28) bis(2-Chloroethoxy)met...	10.052	93	673940	20.008	ng		98
29) 2,4-Dichlorophenol	10.287	162	405385	19.708	ng		98
30) 1,2,4-Trichlorobenzene	10.510	180	458554	19.461	ng		98
31) Naphthalene	10.699	128	1612176	19.555	ng		100
32) Benzoic acid	9.916	122	237561	19.433	ng		94
33) 4-Chloroaniline	10.799	127	593631	19.915	ng		98
34) Hexachlorobutadiene	10.993	225	254856	19.528	ng		99
35) Caprolactam	11.557	113	137114	20.236	ng		98
36) 4-Chloro-3-methylphenol	11.916	107	465828	19.761	ng		100
37) 2-Methylnaphthalene	12.304	142	1058175	19.285	ng		99
38) 1-Methylnaphthalene	12.528	142	1059589	19.431	ng		98
40) 1,2,4,5-Tetrachloroben...	12.675	216	474619	18.989	ng		99
41) Hexachlorocyclopentadiene	12.663	237	155288	19.005	ng		96
43) 2,4,6-Trichlorophenol	12.910	196	300506	19.191	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

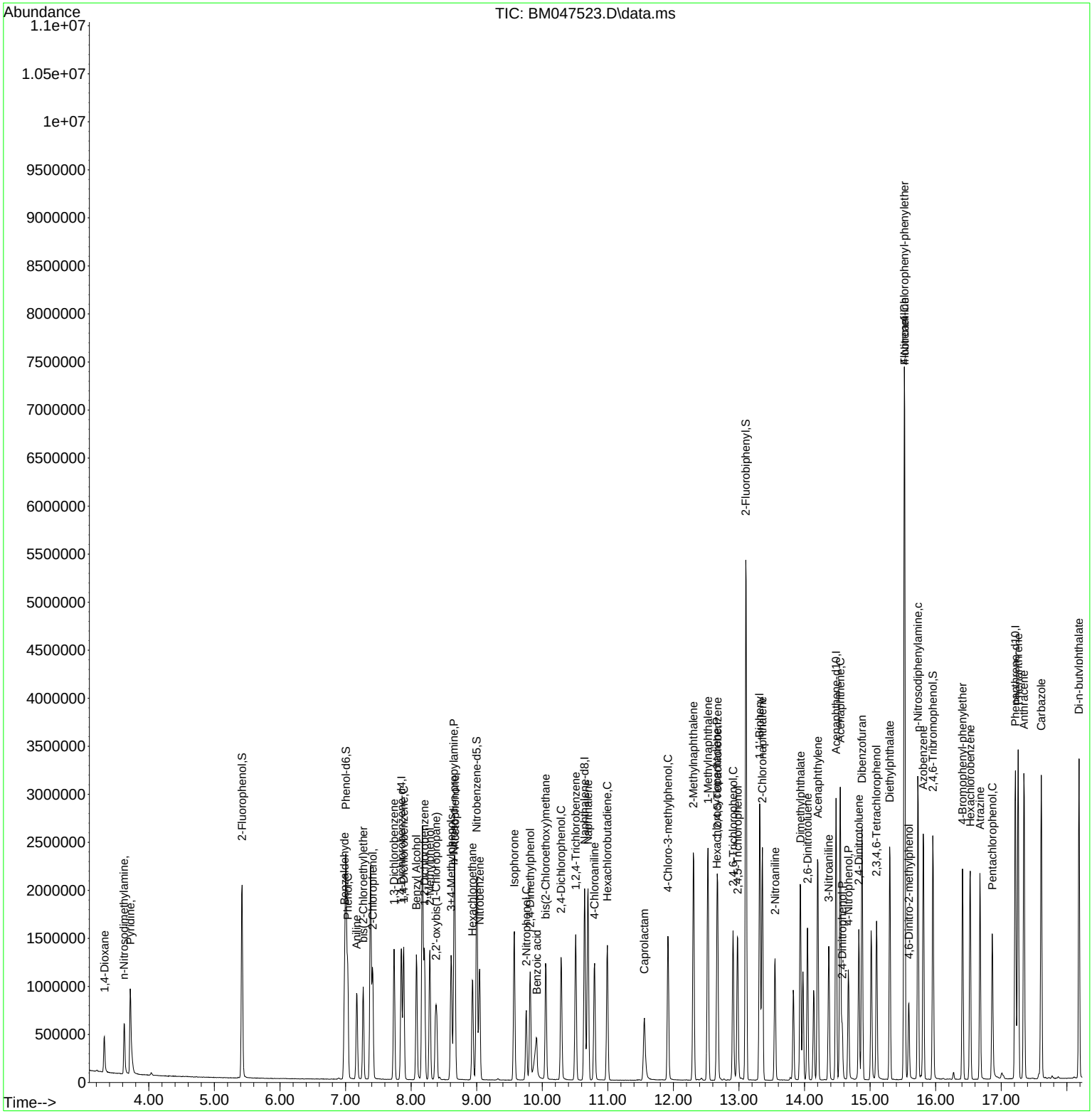
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.981	196	338597	19.144	ng	99
46) 1,1'-Biphenyl	13.316	154	1376433	19.152	ng	100
47) 2-Chloronaphthalene	13.357	162	1079485	19.344	ng	99
48) 2-Nitroaniline	13.551	65	327621	19.988	ng	98
49) Acenaphthylene	14.204	152	1553646	19.293	ng	99
50) Dimethylphthalate	13.940	163	1234071	19.601	ng	100
51) 2,6-Dinitrotoluene	14.045	165	263492	19.825	ng	97
52) Acenaphthene	14.545	154	1073800	19.031	ng	99
53) 3-Nitroaniline	14.369	138	291462	19.730	ng	99
54) 2,4-Dinitrophenol	14.575	184	95439	20.092	ng	99
55) Dibenzofuran	14.875	168	1528665	19.279	ng	98
56) 4-Nitrophenol	14.669	139	242863	19.979	ng	98
57) 2,4-Dinitrotoluene	14.828	165	348812	19.678	ng	96
58) Fluorene	15.528	166	1391341	19.490	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	262673	19.048	ng	98
60) Diethylphthalate	15.298	149	1325288	19.779	ng	99
61) 4-Chlorophenyl-phenyle...	15.522	204	630563	19.318	ng	98
62) 4-Nitroaniline	15.528	138	348254	20.055	ng	96
63) Azobenzene	15.810	77	1496804	20.288	ng	98
65) 4,6-Dinitro-2-methylph...	15.592	198	135667	20.104	ng	93
66) n-Nitrosodiphenylamine	15.728	169	1033465	19.283	ng	99
67) 4-Bromophenyl-phenylether	16.410	248	320141	18.807	ng	98
68) Hexachlorobenzene	16.528	284	361746	18.759	ng	99
69) Atrazine	16.675	200	295545	19.952	ng	99
70) Pentachlorophenol	16.863	266	211585	18.928	ng	98
71) Phenanthrene	17.257	178	1846292	19.123	ng	100
72) Anthracene	17.345	178	1789228	19.289	ng	99
73) Carbazole	17.610	167	1778076	19.343	ng	100
74) Di-n-butylphthalate	18.186	149	2168251	19.713	ng	99
75) Fluoranthene	19.263	202	2012958	19.109	ng	97
77) Benzidine	19.445	184	495797	22.182	ng	99
78) Pyrene	19.627	202	2147890	18.554	ng	99
80) Butylbenzylphthalate	20.527	149	856878	19.228	ng	100
81) Benzo(a)anthracene	21.421	228	2040458	19.725	ng	99
82) 3,3'-Dichlorobenzidine	21.345	252	568618	20.664	ng	100
83) Chrysene	21.486	228	1905289	19.472	ng	99
84) Bis(2-ethylhexyl)phtha...	21.357	149	1355453	19.416	ng	99
85) Di-n-octyl phthalate	22.510	149	1973400	19.984	ng	99
87) Indeno(1,2,3-cd)pyrene	27.892	276	1688895	19.253	ng	100
88) Benzo(b)fluoranthene	23.509	252	1811874	19.105	ng	99
89) Benzo(k)fluoranthene	23.574	252	1775972	18.895	ng	98
90) Benzo(a)pyrene	24.327	252	1492255	19.198	ng	99
91) Dibenzo(a,h)anthracene	27.956	278	1413538	19.153	ng	99
92) Benzo(g,h,i)perylene	28.956	276	1378333	19.119	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration



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Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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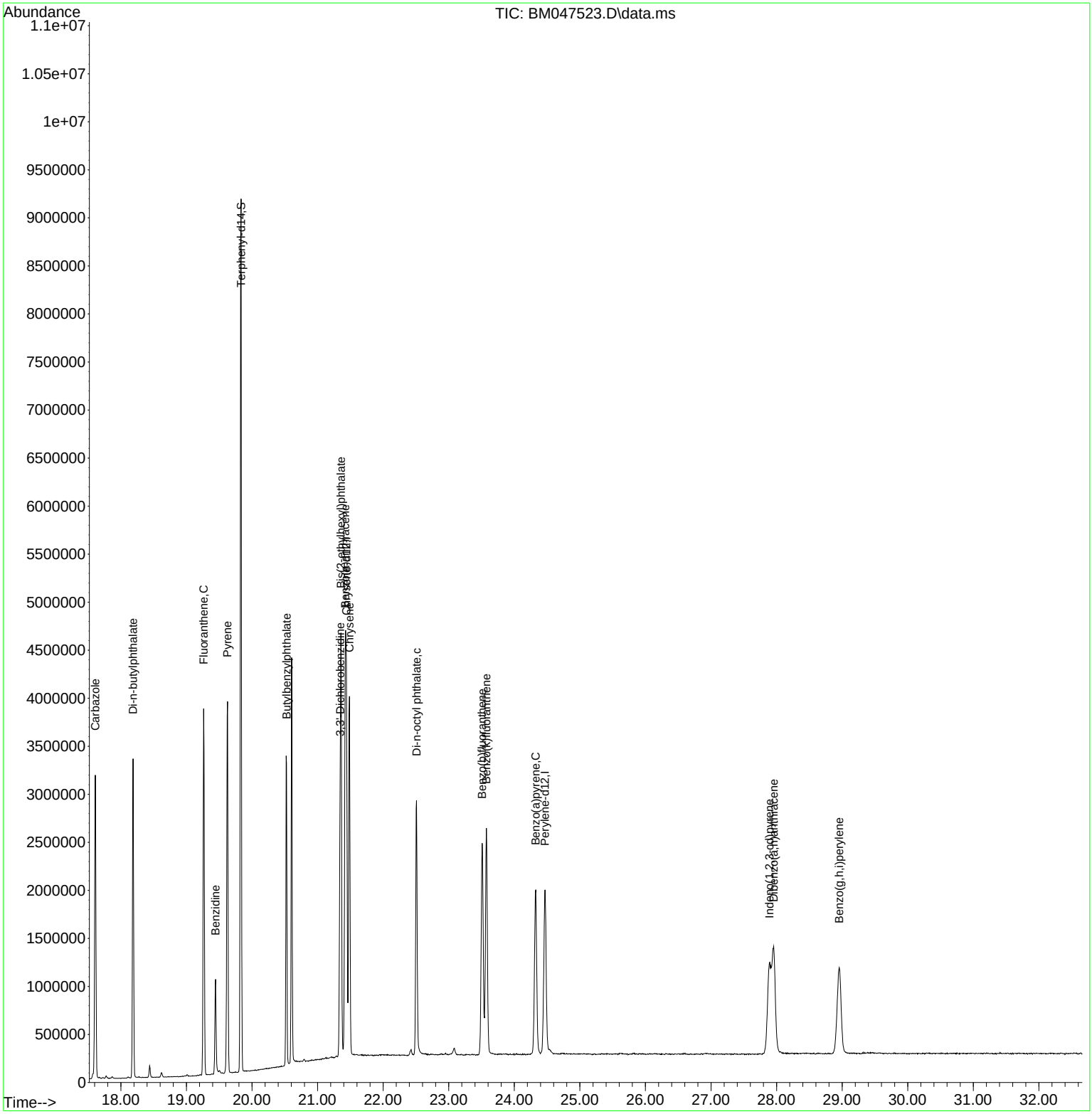
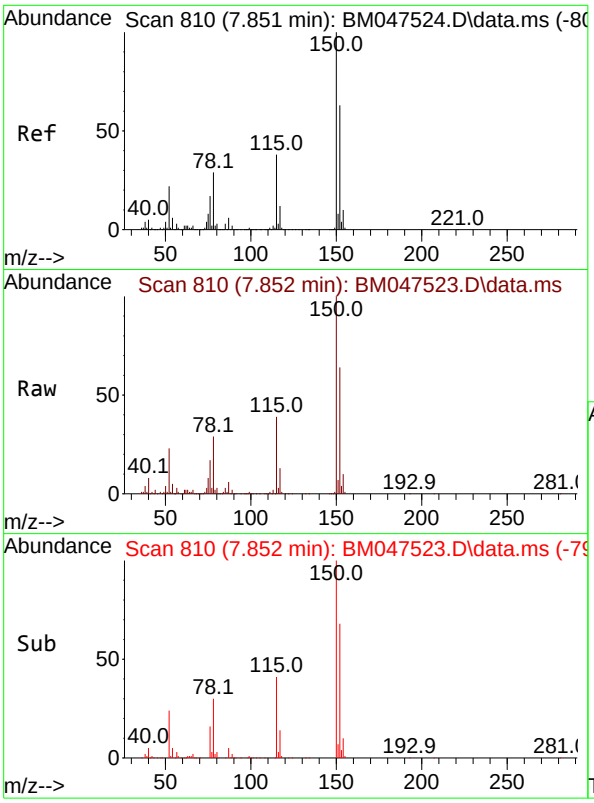
Response via : Initial Calibration



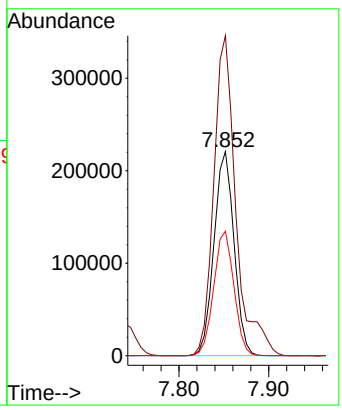


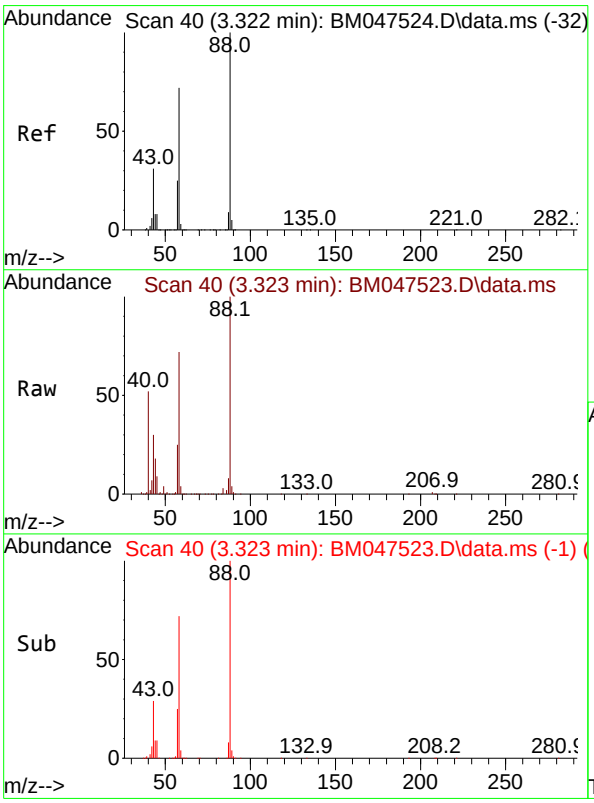
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 342855

Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.8	190.2
115	61.0	47.8	71.8

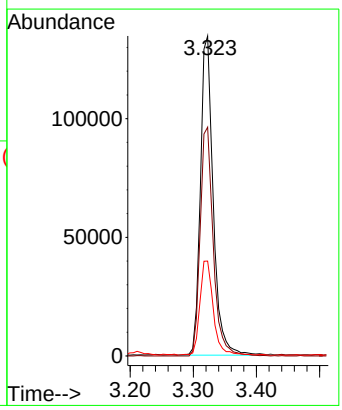


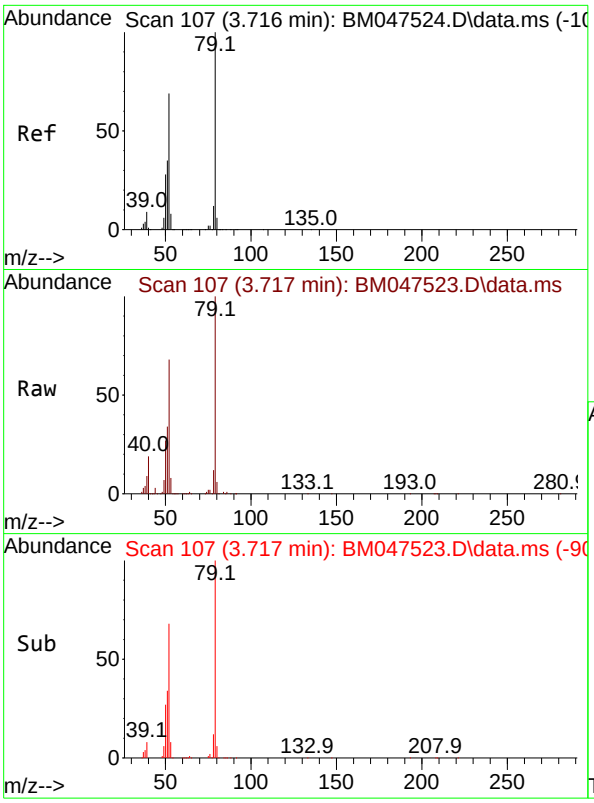


#2
1,4-Dioxane
Concen: 20.528 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 88 Resp: 189333

Ion	Ratio	Lower	Upper
88	100		
58	73.3	59.0	88.6
43	30.7	25.0	37.4



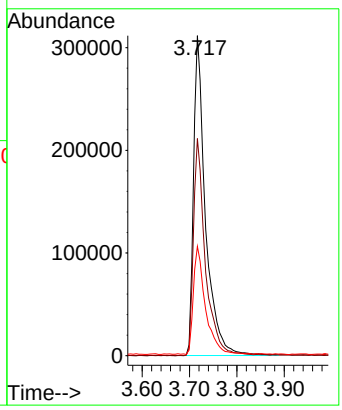


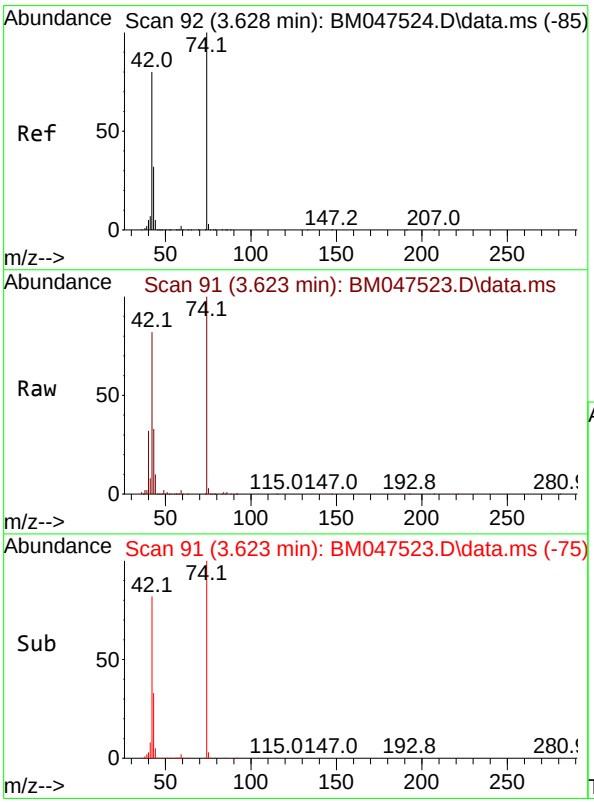
#3
Pyridine
Concen: 19.917 ng
RT: 3.717 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 546657

Ion	Ratio	Lower	Upper
79	100		
52	67.8	55.4	83.0
51	34.2	27.9	41.9

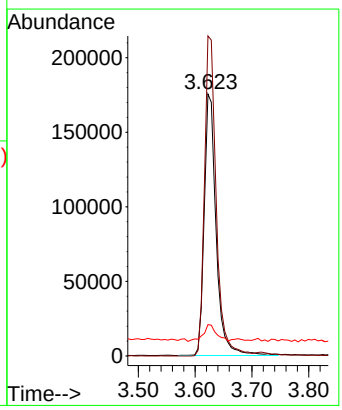


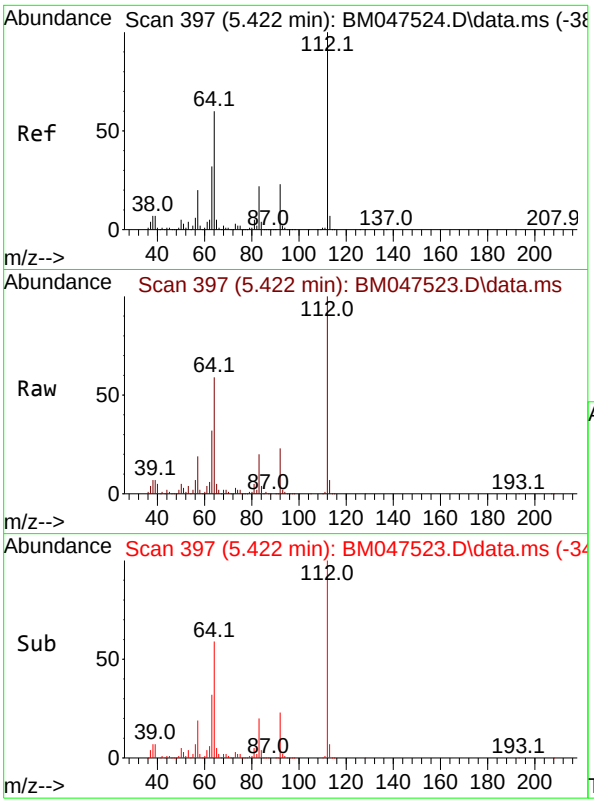


#4
n-Nitrosodimethylamine
Concen: 20.433 ng
RT: 3.623 min Scan# 91
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 42 Resp: 254521

Ion	Ratio	Lower	Upper
42	100		
74	122.2	100.5	150.7
44	12.0	6.9	10.3#



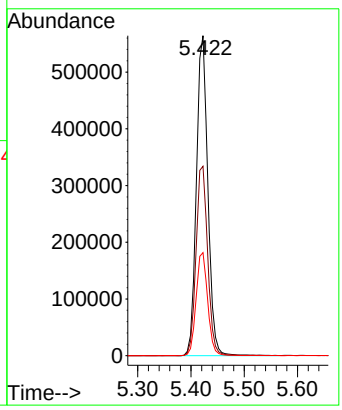


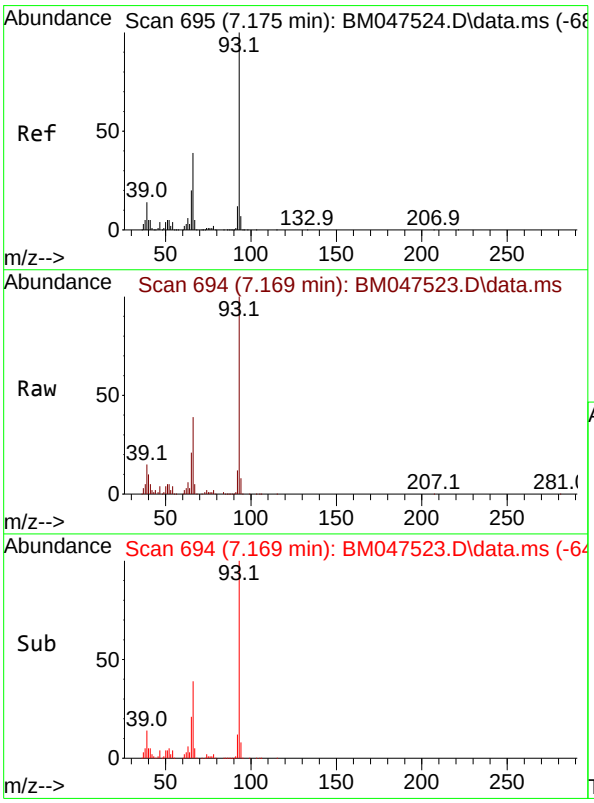
#5
2-Fluorophenol
Concen: 39.116 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 842282

Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.2	72.4
63	32.2	26.0	39.0

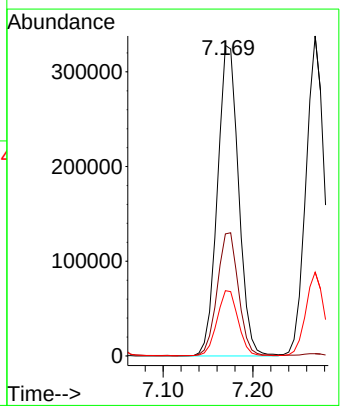


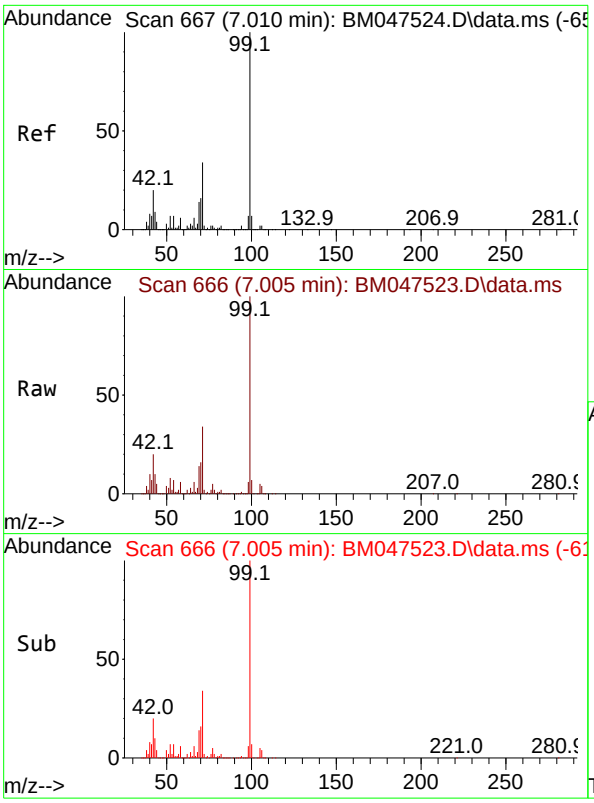


#6
Aniline
Concen: 19.956 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 93 Resp: 536515

Ion	Ratio	Lower	Upper
93	100		
66	39.3	31.4	47.0
65	21.0	16.3	24.5



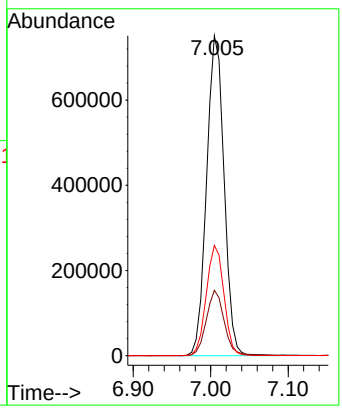


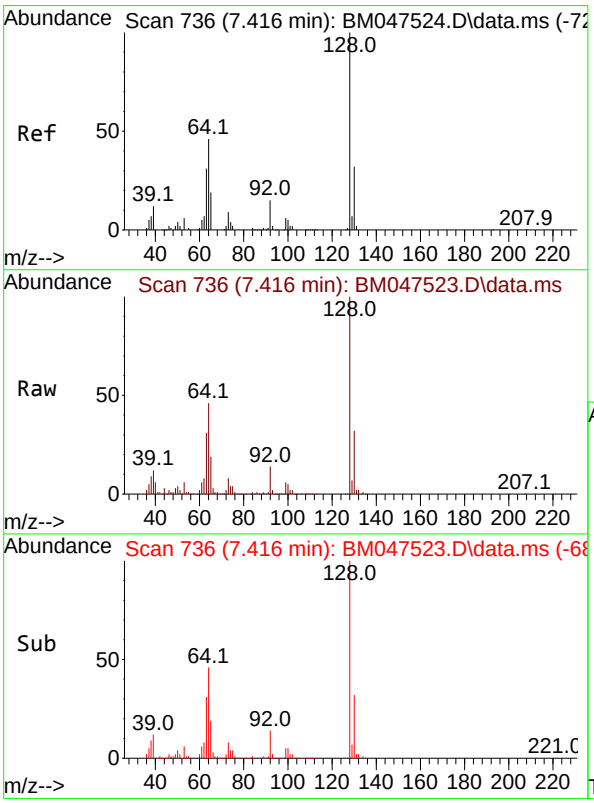
#7
Phenol-d6
Concen: 38.832 ng
RT: 7.005 min Scan# 6
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 1177575

Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.8	23.8
71	34.4	27.6	41.4

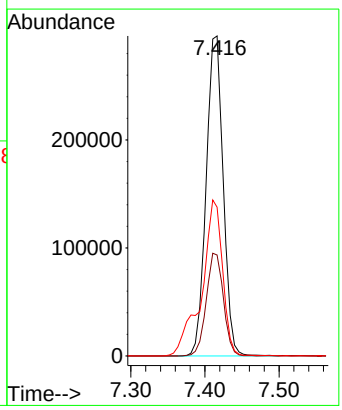


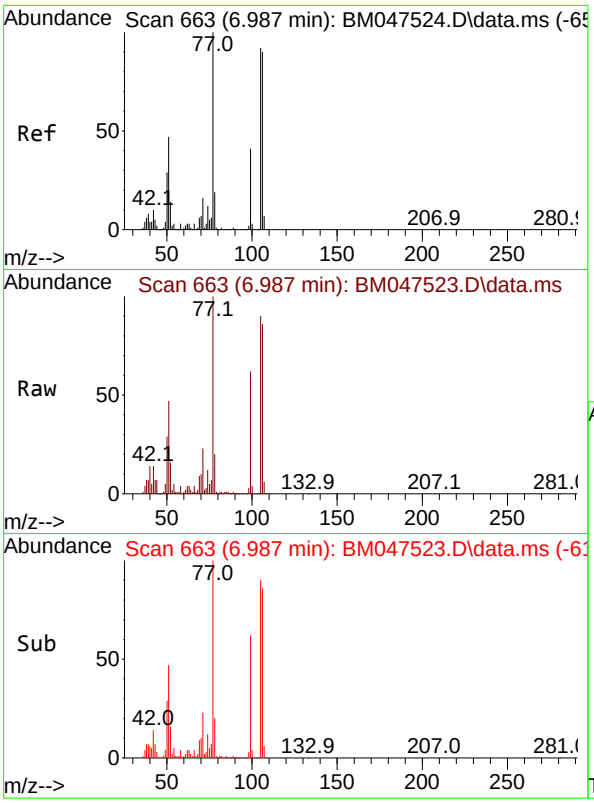


#8
2-Chlorophenol
Concen: 19.936 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:128 Resp: 473252

Ion	Ratio	Lower	Upper
128	100		
130	31.5	11.8	51.8
64	46.5	27.6	67.6



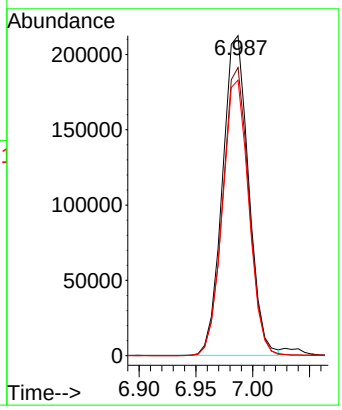


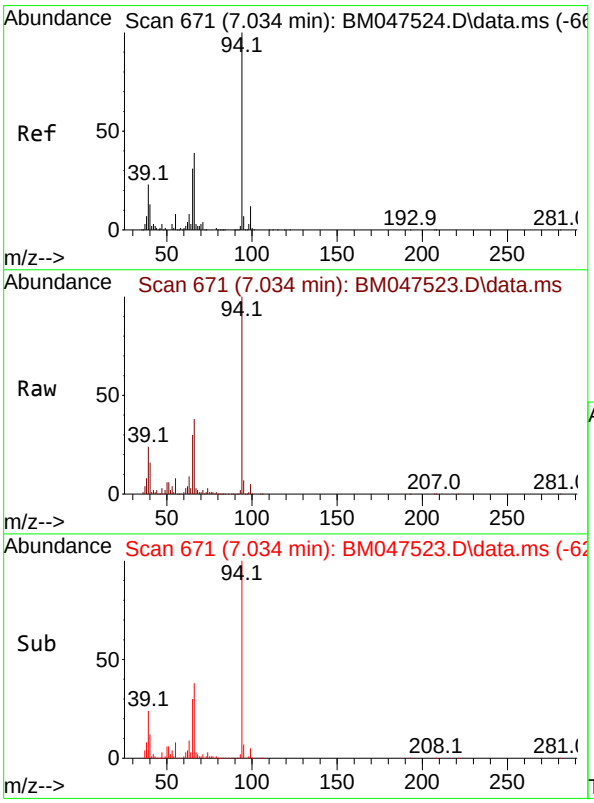
#9
Benzaldehyde
Concen: 23.600 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 340293

Ion	Ratio	Lower	Upper
77	100		
105	90.0	71.8	111.8
106	86.1	69.7	109.7

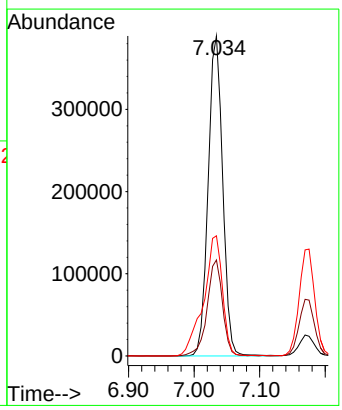


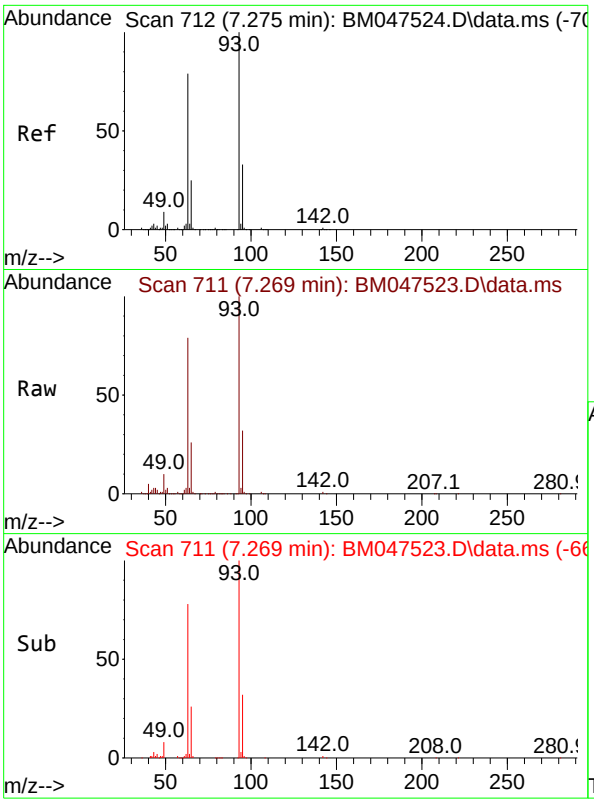


#10
Phenol
Concen: 19.727 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 94 Resp: 598992

Ion	Ratio	Lower	Upper
94	100		
65	30.0	10.8	50.8
66	37.6	19.2	59.2



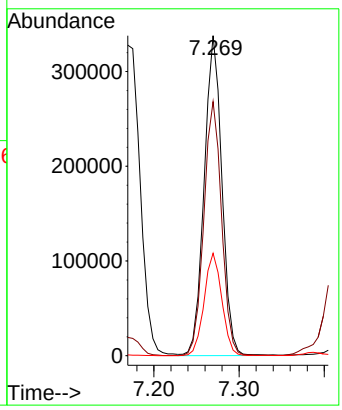


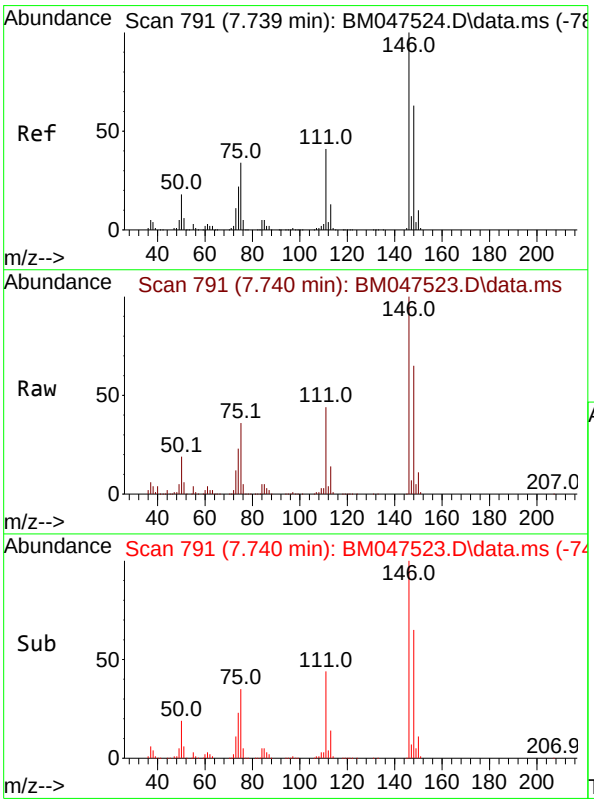
#11
bis(2-Chloroethyl)ether
Concen: 20.050 ng
RT: 7.269 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 488762

Ion	Ratio	Lower	Upper
93	100		
63	79.4	58.2	98.2
95	32.0	12.8	52.8

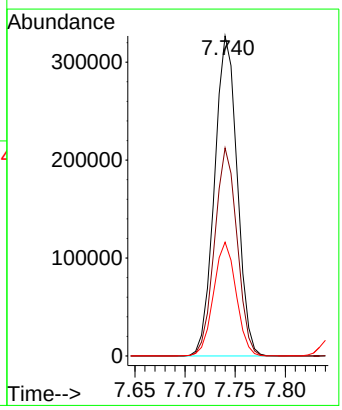


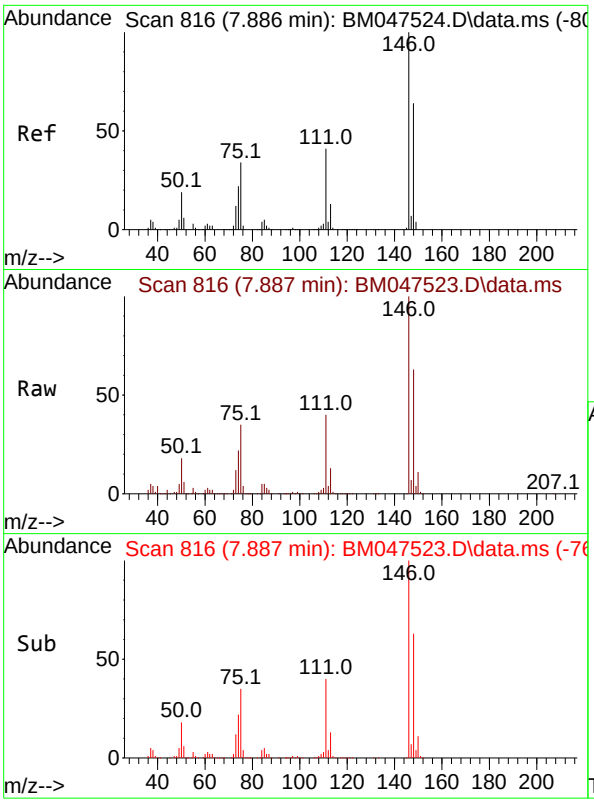


#12
1,3-Dichlorobenzene
Concen: 19.749 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:146 Resp: 513128

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.2	75.4
75	35.5	27.4	41.0



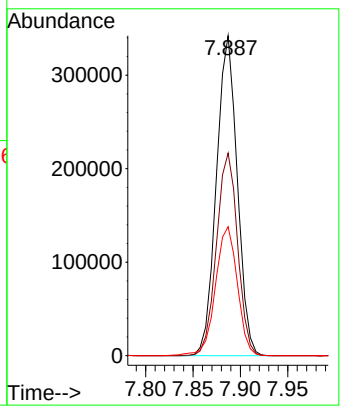


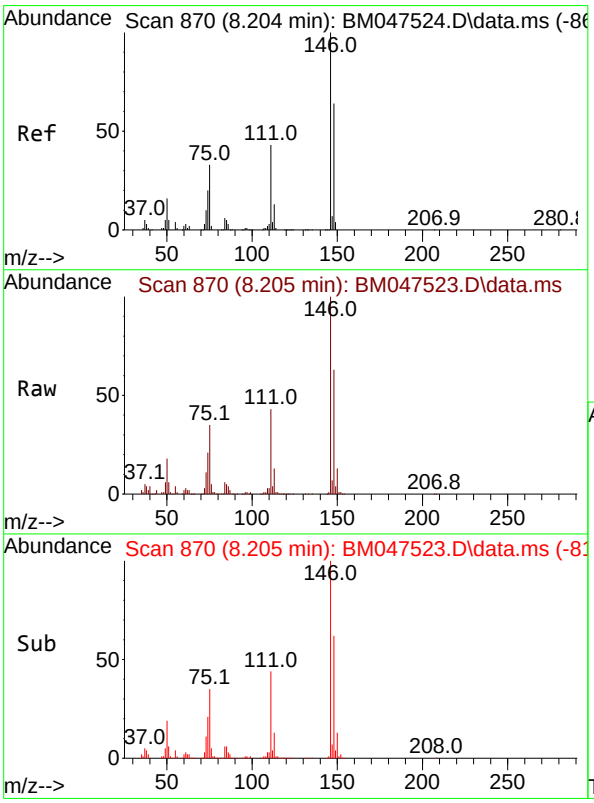
#13
1,4-Dichlorobenzene
Concen: 19.811 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 524273

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.3	76.9
111	40.3	32.9	49.3

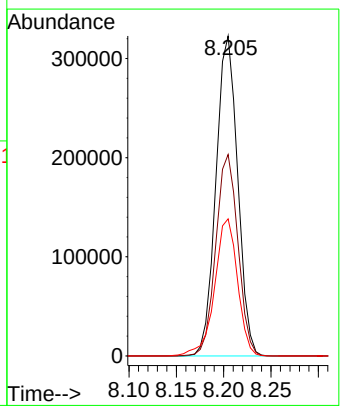


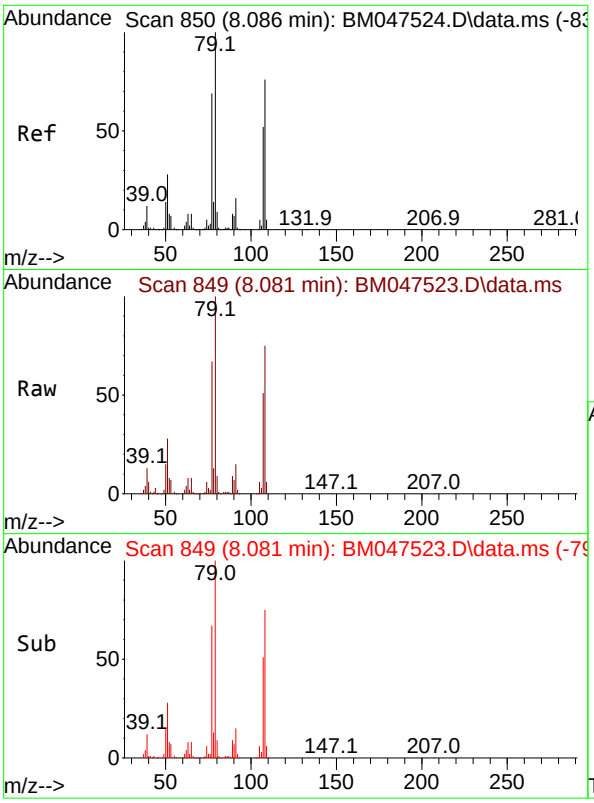


#14
1,2-Dichlorobenzene
Concen: 19.783 ng
RT: 8.205 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:146 Resp: 515238

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.1	76.7
111	42.9	34.7	52.1



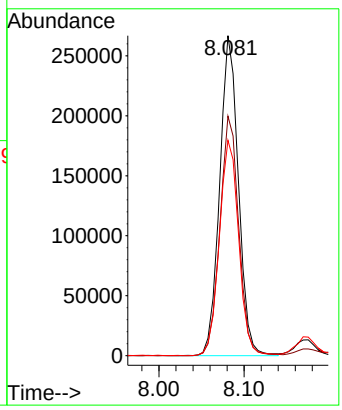


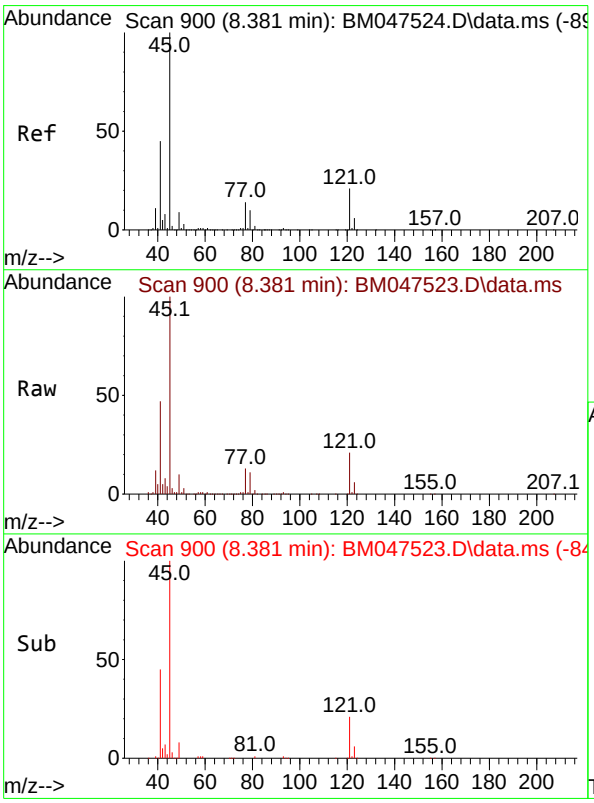
#15
Benzyl Alcohol
Concen: 19.875 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 408249

Ion	Ratio	Lower	Upper
79	100		
108	74.8	60.6	91.0
77	67.3	55.0	82.4

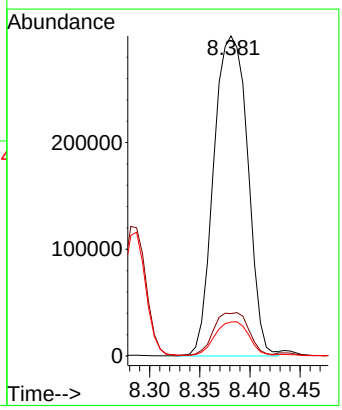


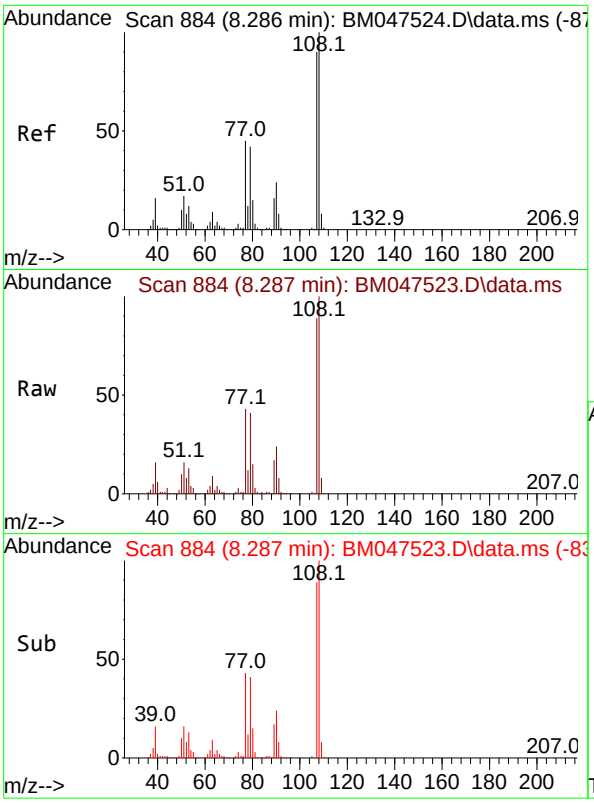


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.643 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 45 Resp: 707847

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.7
79	10.6	0.0	30.3



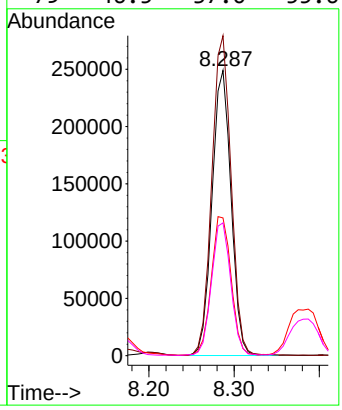


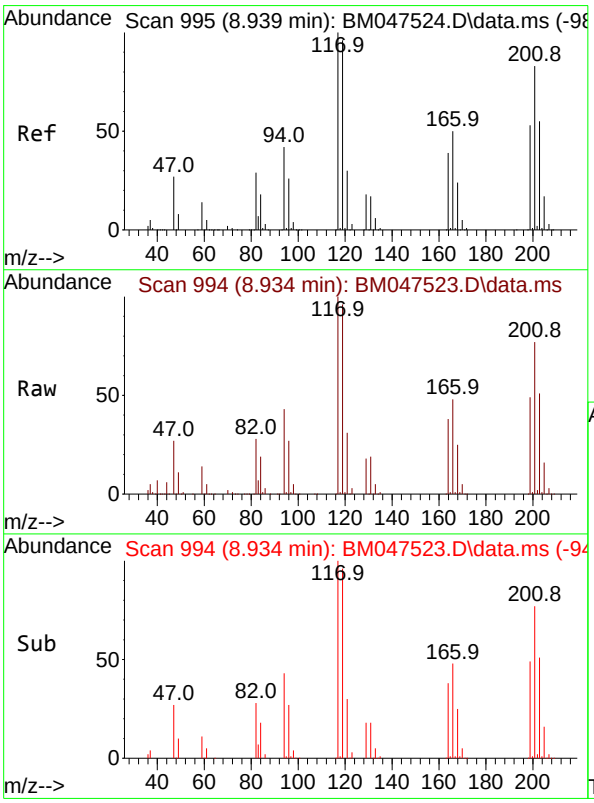
#17
2-Methylphenol
Concen: 19.944 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 386855

Ion	Ratio	Lower	Upper
107	100		
108	112.2	88.9	133.3
77	48.3	39.8	59.8
79	46.5	37.0	55.6

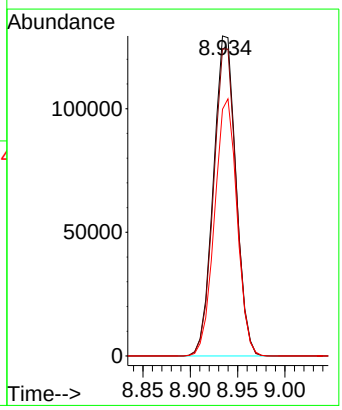


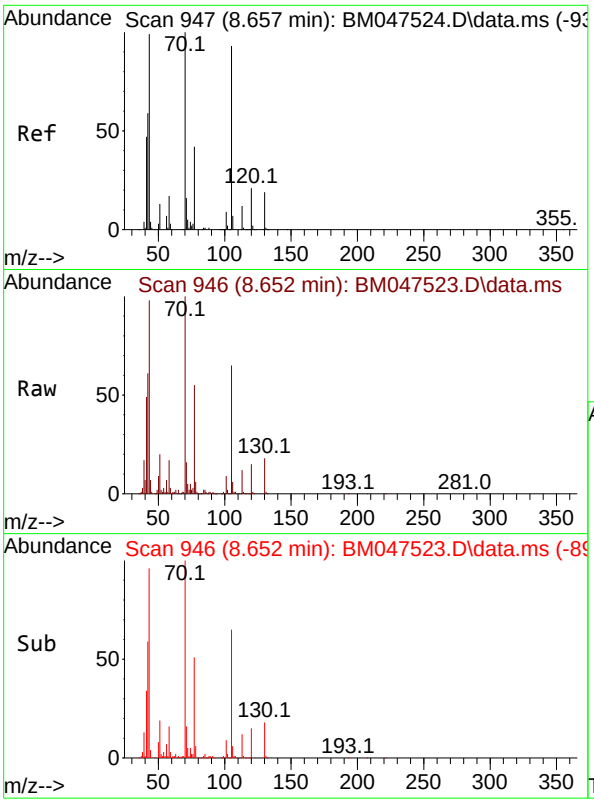


#18
Hexachloroethane
Concen: 20.329 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:117 Resp: 214917

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.0	115.4
201	77.1	66.8	100.2



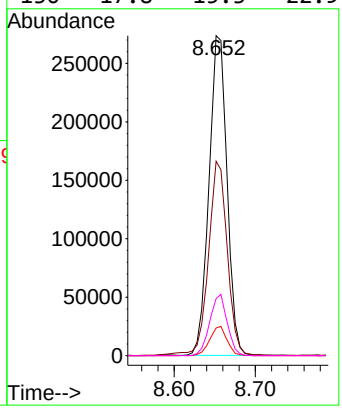


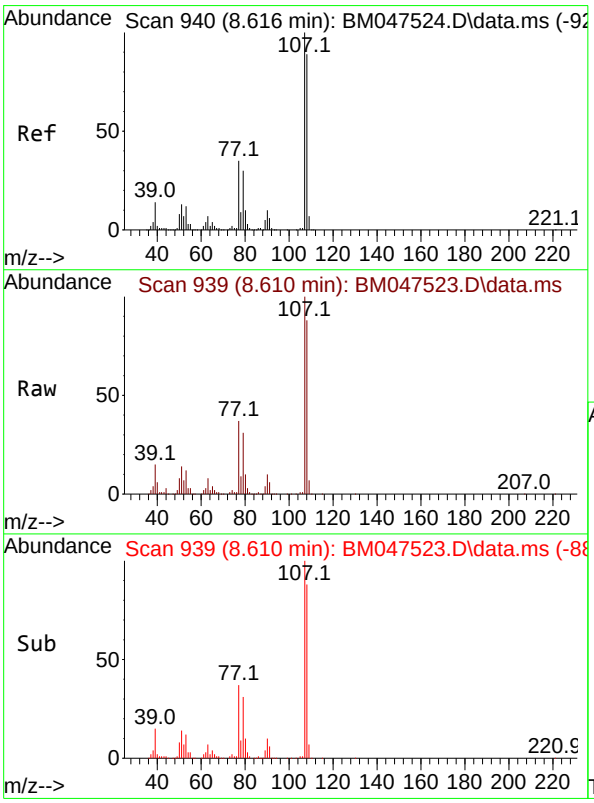
#19
n-Nitroso-di-n-propylamine
Concen: 20.628 ng
RT: 8.652 min Scan# 94
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 421768

Ion	Ratio	Lower	Upper
70	100		
42	60.7	48.2	72.2
101	8.7	7.0	10.4
130	17.8	15.3	22.9

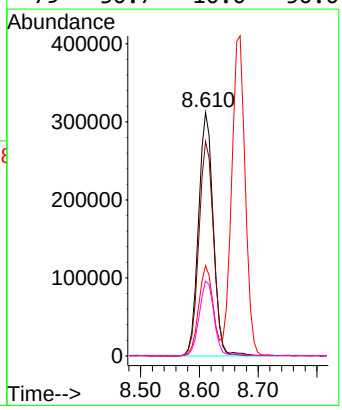


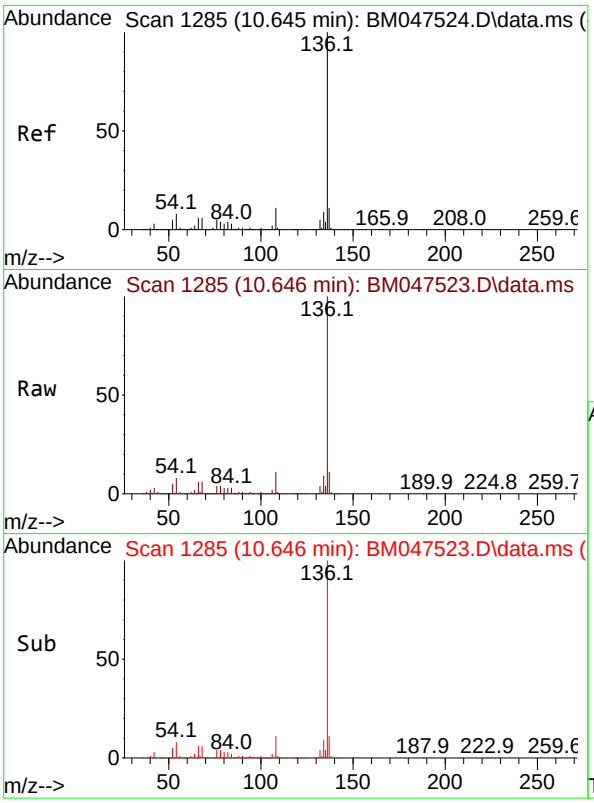


#20
3+4-Methylphenols
Concen: 20.158 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:107 Resp: 545591

Ion	Ratio	Lower	Upper
107	100		
108	88.1	68.9	108.9
77	37.0	15.5	55.5
79	30.7	10.0	50.0



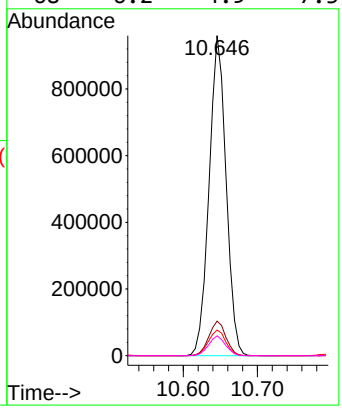


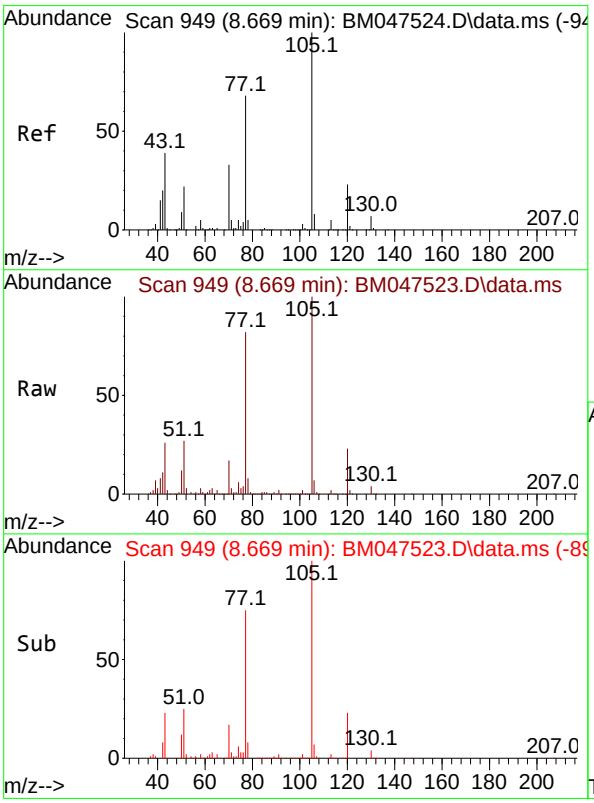
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1526527

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.0	6.6	9.8
68	6.2	4.9	7.3

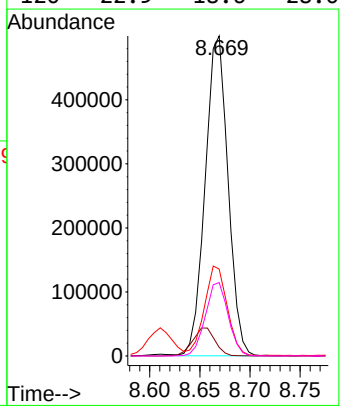


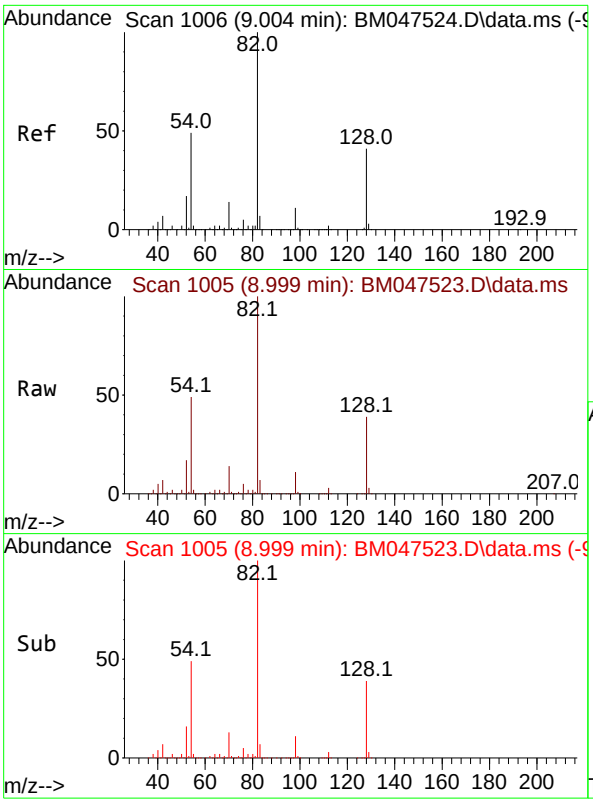


#22
Acetophenone
Concen: 19.746 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:105 Resp: 792471

Ion	Ratio	Lower	Upper
105	100		
71	2.7	4.3	6.5#
51	27.1	21.5	32.3
120	22.9	18.6	28.0



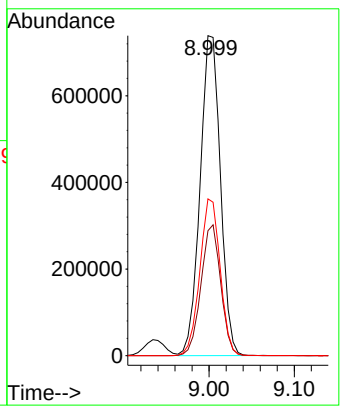


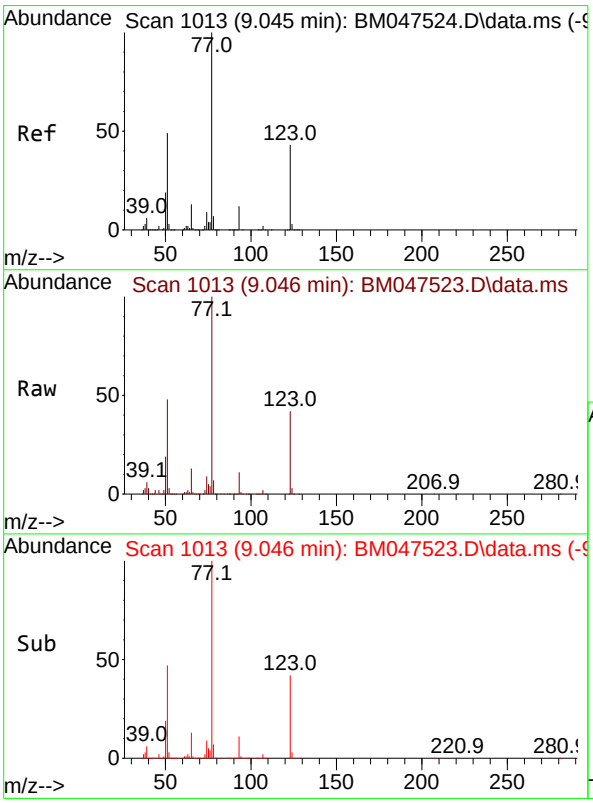
#23
Nitrobenzene-d5
Concen: 40.084 ng
RT: 8.999 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 1222672

Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.0	49.4
54	49.0	39.3	58.9

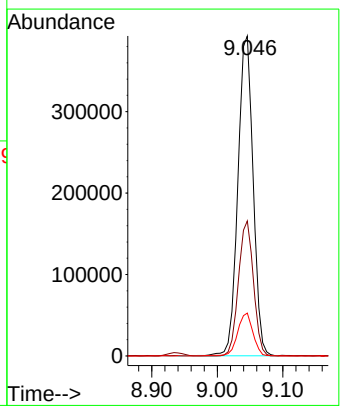


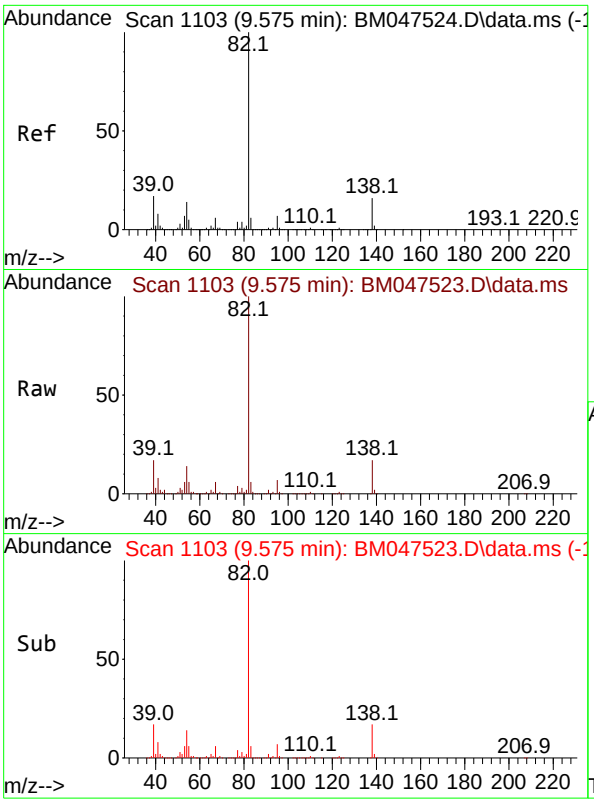


#24
Nitrobenzene
Concen: 20.312 ng
RT: 9.046 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 77 Resp: 636650

Ion	Ratio	Lower	Upper
77	100		
123	42.2	34.5	51.7
65	13.4	10.7	16.1



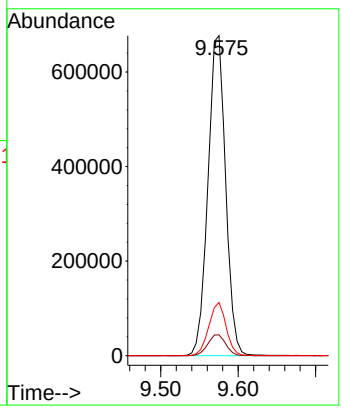


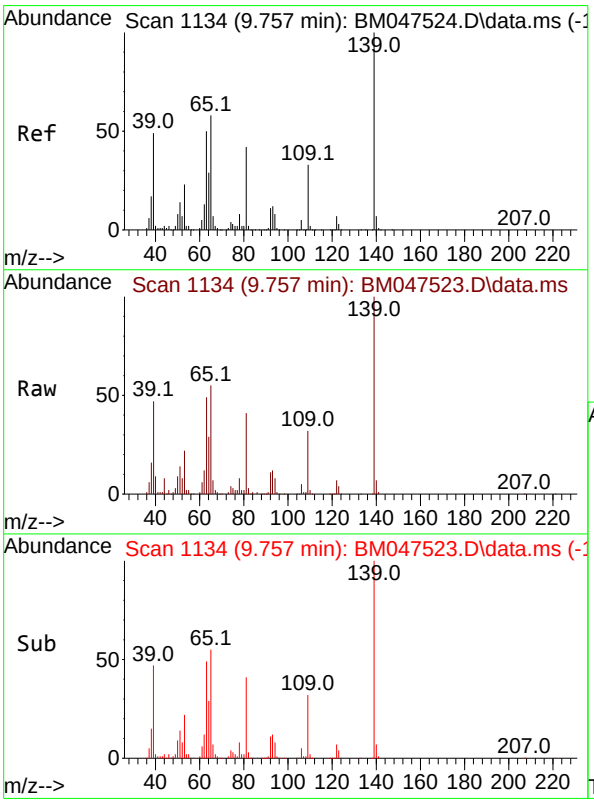
#25
Isophorone
Concen: 20.077 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 1076607

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.4	8.0
138	16.6	12.9	19.3

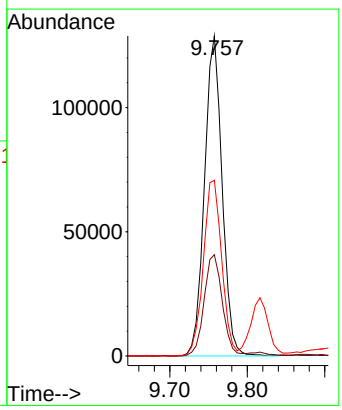


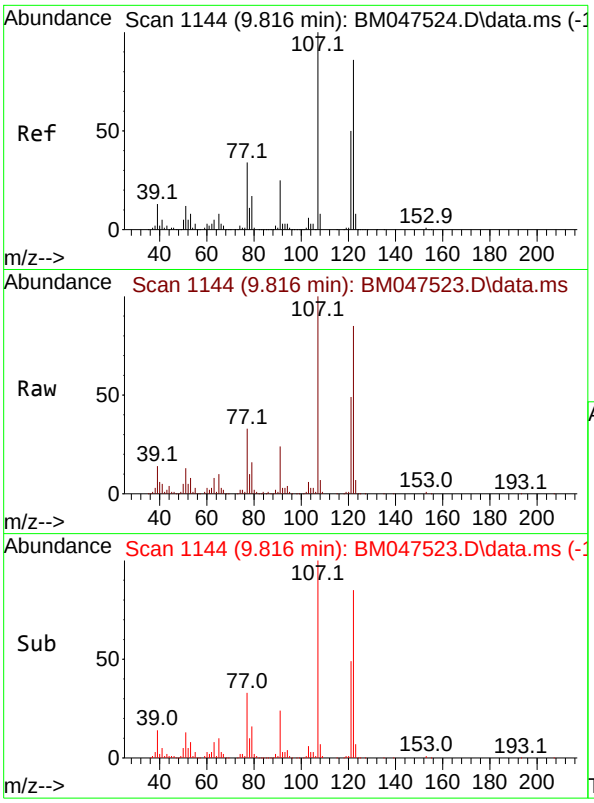


#26
2-Nitrophenol
Concen: 19.084 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:139 Resp: 203827

Ion	Ratio	Lower	Upper
139	100		
109	31.7	26.0	39.0
65	54.9	46.2	69.4



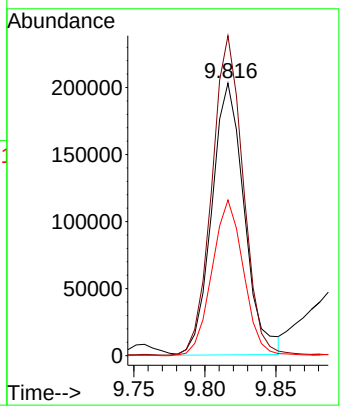


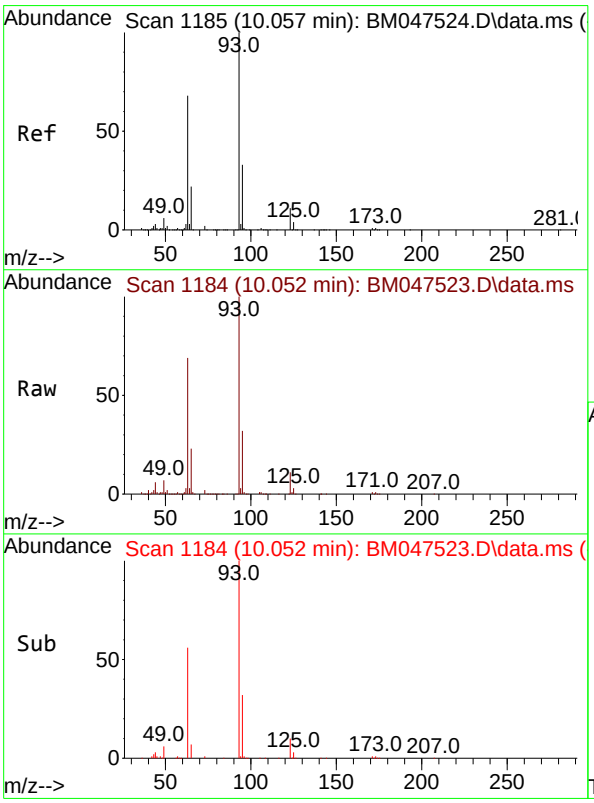
#27
2,4-Dimethylphenol
Concen: 19.915 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 322430

Ion	Ratio	Lower	Upper
122	100		
107	117.4	92.4	138.6
121	57.1	46.2	69.4

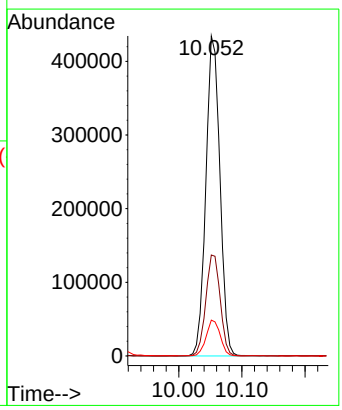


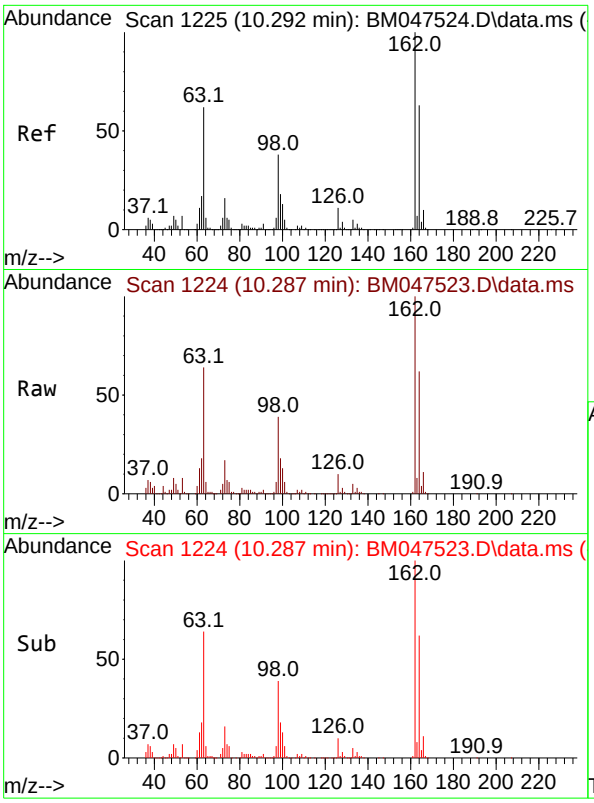


#28
bis(2-Chloroethoxy)methane
Concen: 20.008 ng
RT: 10.052 min Scan# 1184
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 93 Resp: 673940

Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.2	39.2
123	11.2	9.2	13.8



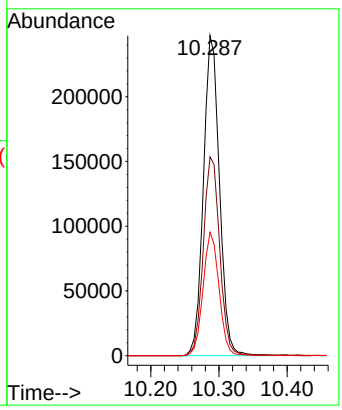


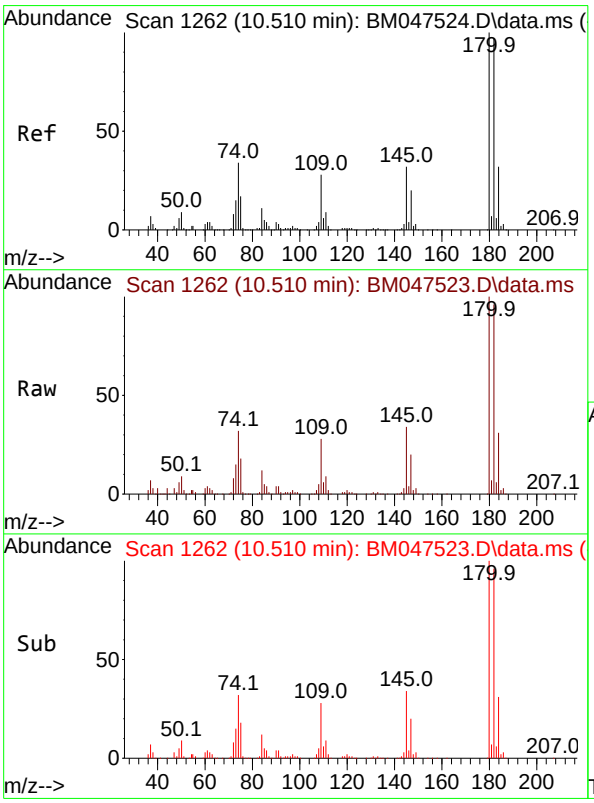
#29
2,4-Dichlorophenol
Concen: 19.708 ng
RT: 10.287 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 405385

Ion	Ratio	Lower	Upper
162	100		
164	62.1	43.5	83.5
98	38.6	17.6	57.6

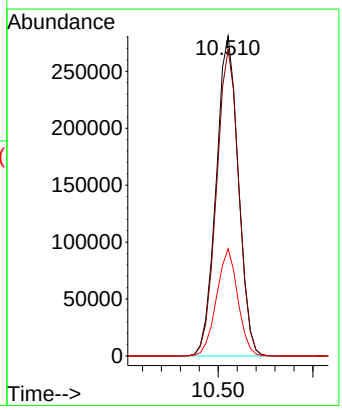


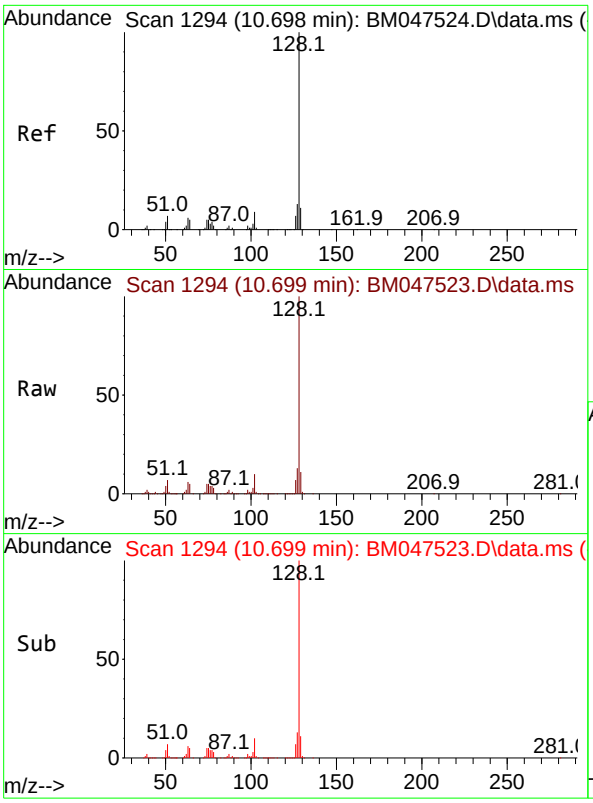


#30
1,2,4-Trichlorobenzene
Concen: 19.461 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:180 Resp: 458554

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.6	116.4
145	33.5	25.4	38.0



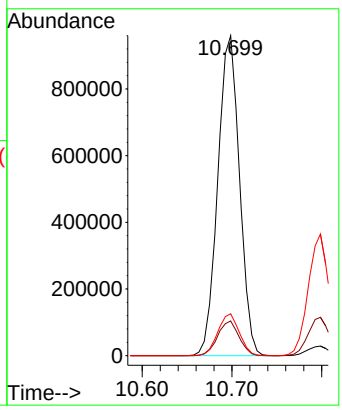


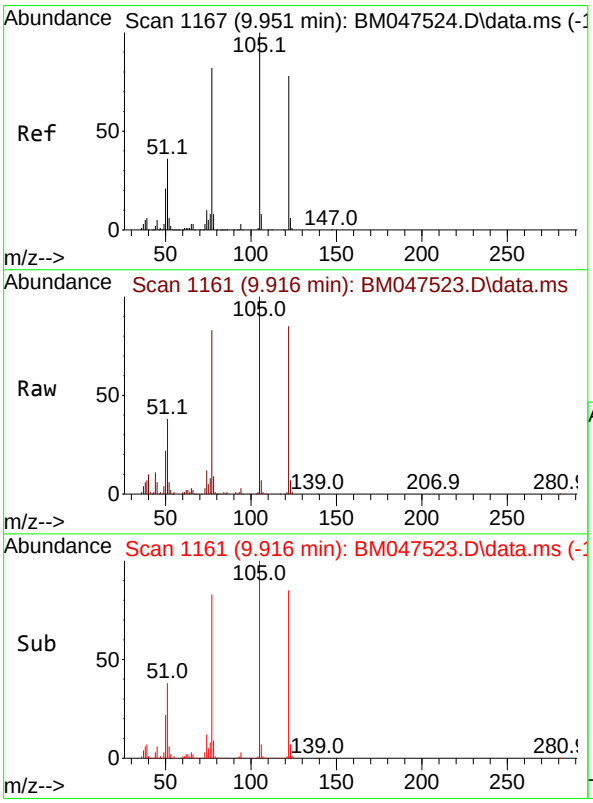
#31
Naphthalene
Concen: 19.555 ng
RT: 10.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1612176

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.5	15.7

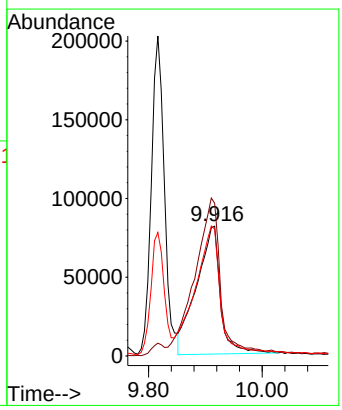


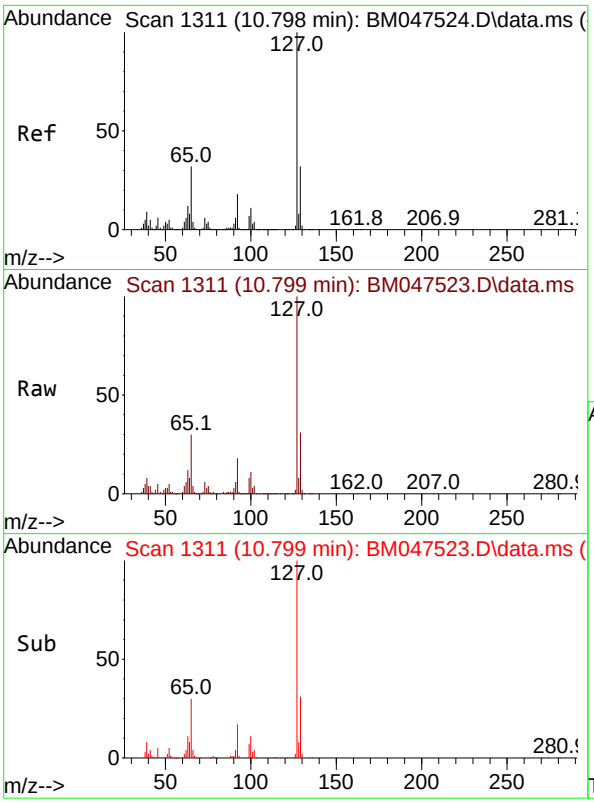


#32
Benzoic acid
Concen: 19.433 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.035 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:122 Resp: 237561

Ion	Ratio	Lower	Upper
122	100		
105	117.6	104.7	144.7
77	97.7	83.4	123.4



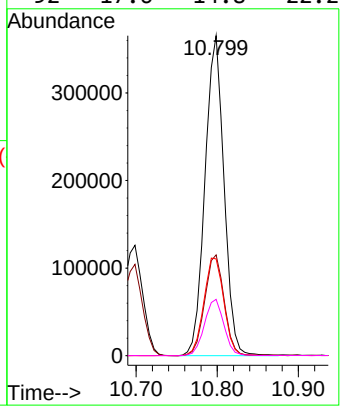


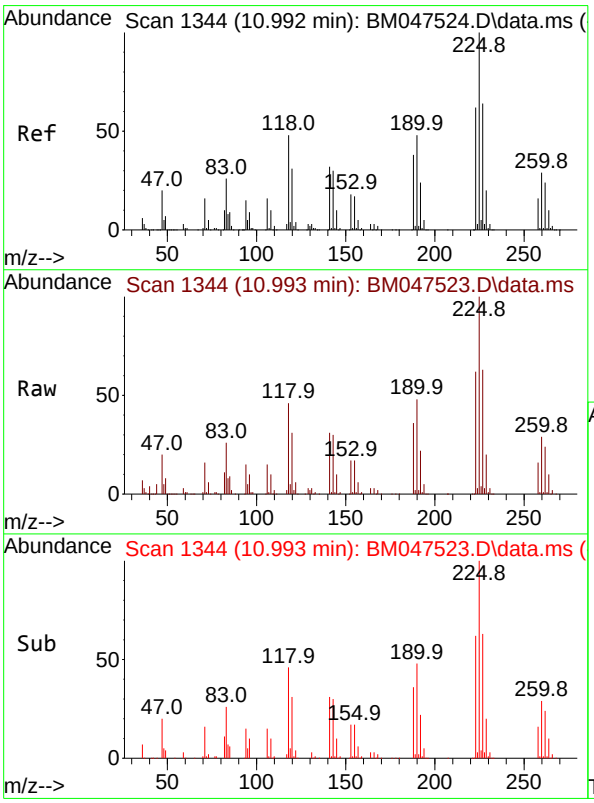
#33
4-Chloroaniline
Concen: 19.915 ng
RT: 10.799 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 593631

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.0
65	30.3	25.5	38.3
92	17.6	14.8	22.2

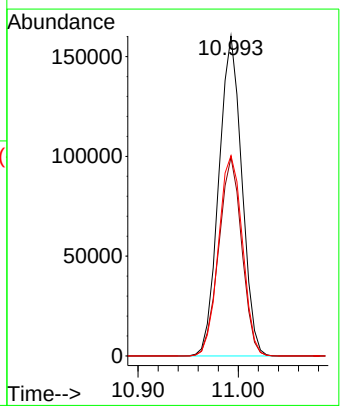


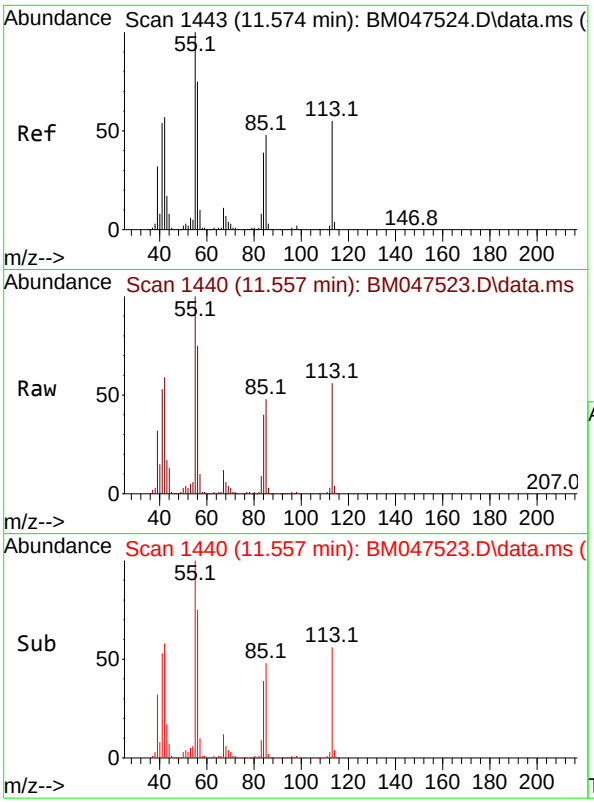


#34
Hexachlorobutadiene
Concen: 19.528 ng
RT: 10.993 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:225 Resp: 254856

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.8	74.6
227	62.6	51.0	76.4



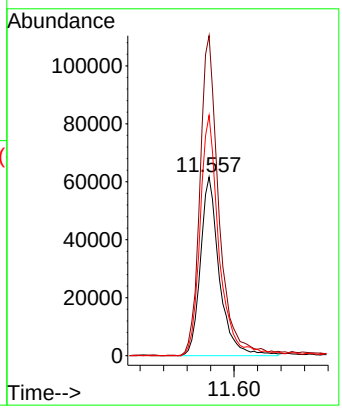


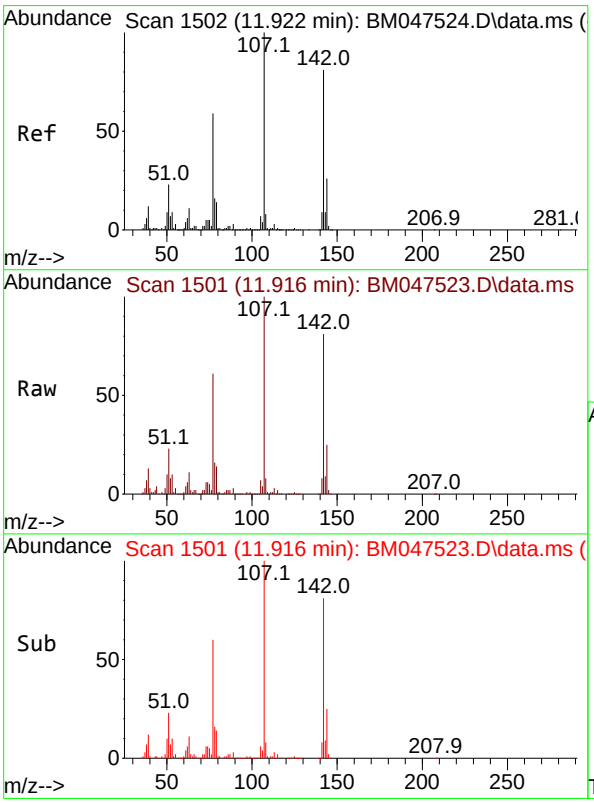
#35
Caprolactam
Concen: 20.236 ng
RT: 11.557 min Scan# 14
Delta R.T. -0.017 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 137114

Ion	Ratio	Lower	Upper
113	100		
55	179.0	162.5	202.5
56	134.4	116.5	156.5

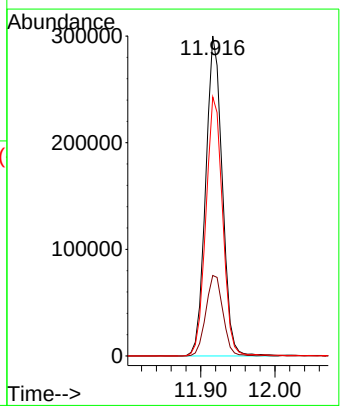


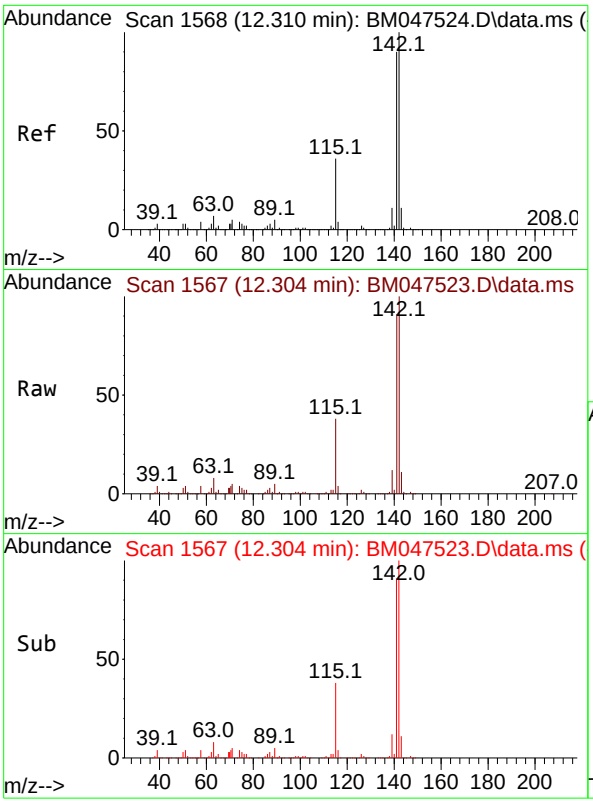


#36
4-Chloro-3-methylphenol
Concen: 19.761 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:107 Resp: 465828

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.5	30.7
142	81.0	65.0	97.4



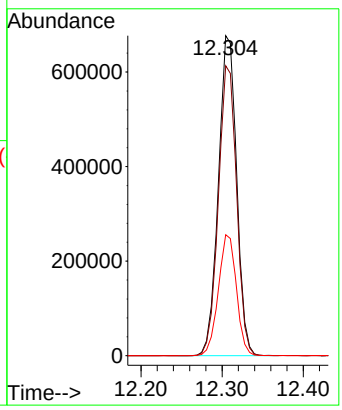


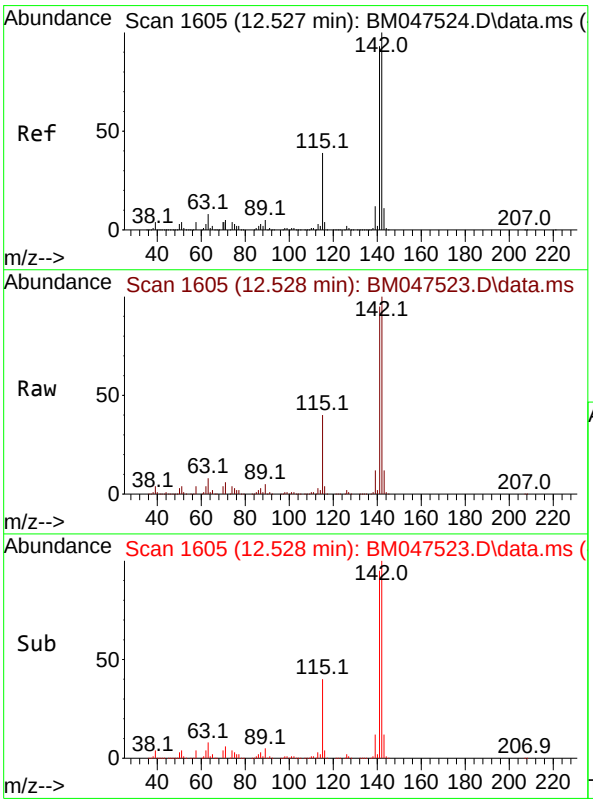
#37
2-Methylnaphthalene
Concen: 19.285 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 1058175

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.2	108.4
115	37.8	29.1	43.7

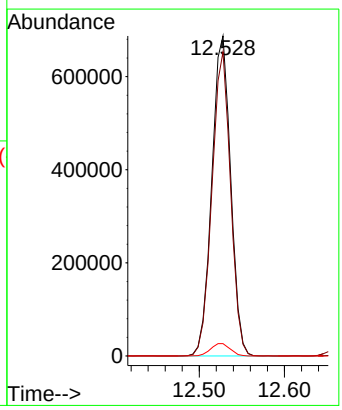


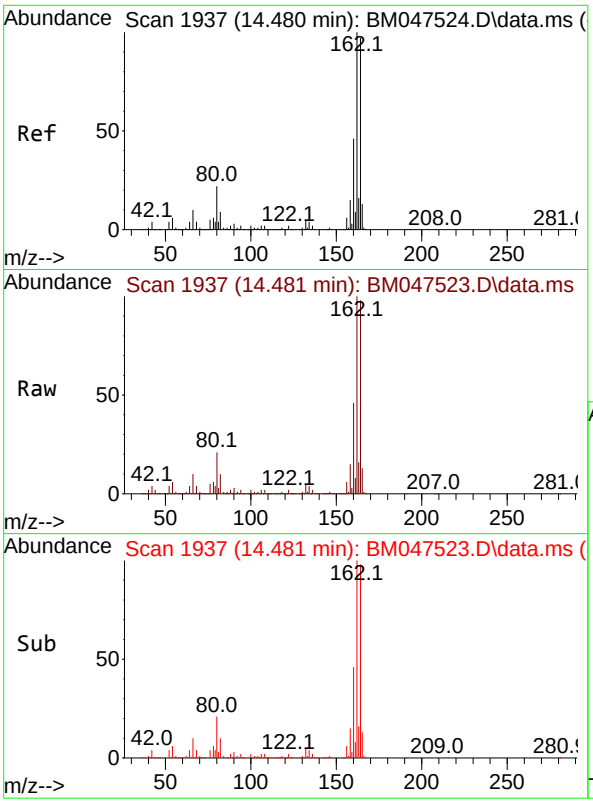


#38
1-Methylnaphthalene
Concen: 19.431 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:142 Resp: 1059589

Ion	Ratio	Lower	Upper
142	100		
141	95.1	74.7	112.1
116	3.9	3.2	4.8



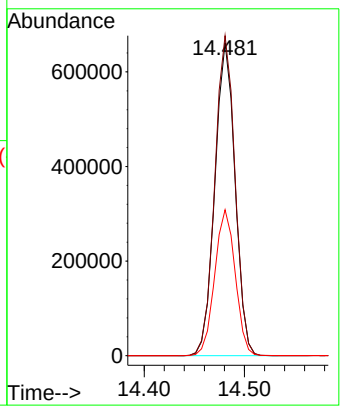


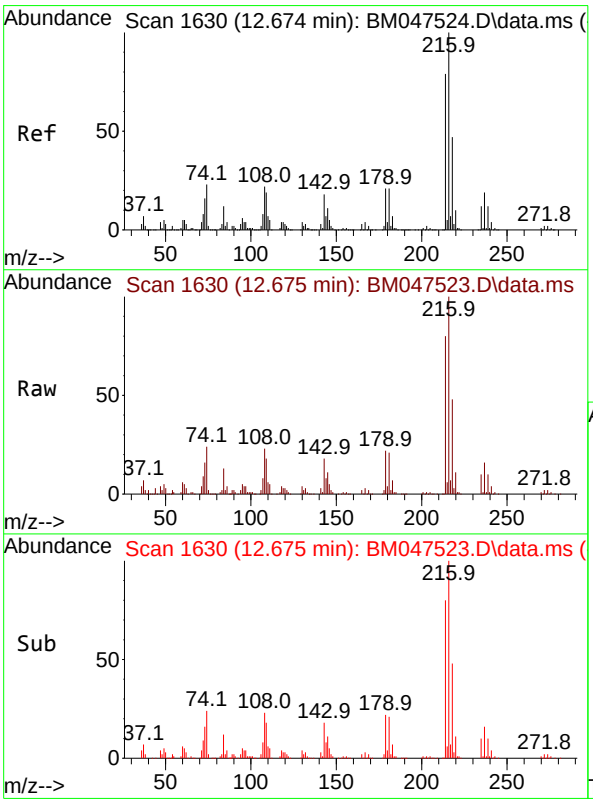
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 923702

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	46.7	38.2	57.2

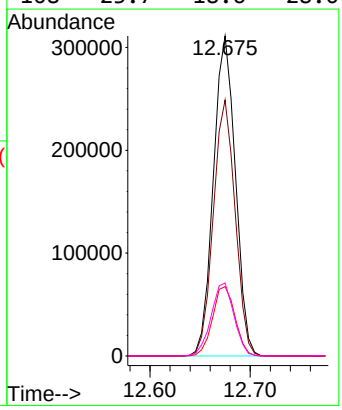


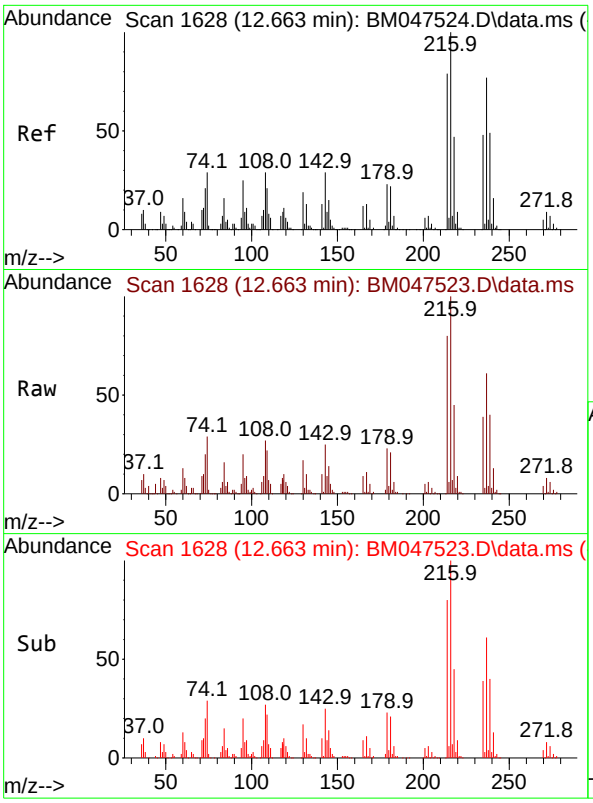


#40
1,2,4,5-Tetrachlorobenzene
Concen: 18.989 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:216 Resp: 474619

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.0	94.6
179	22.1	17.5	26.3
108	23.7	18.6	28.0



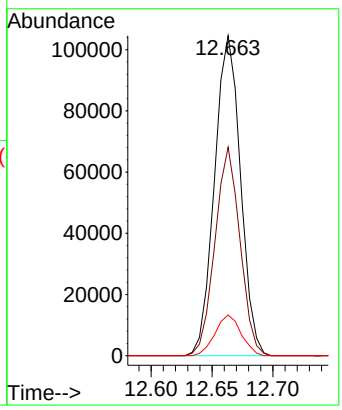


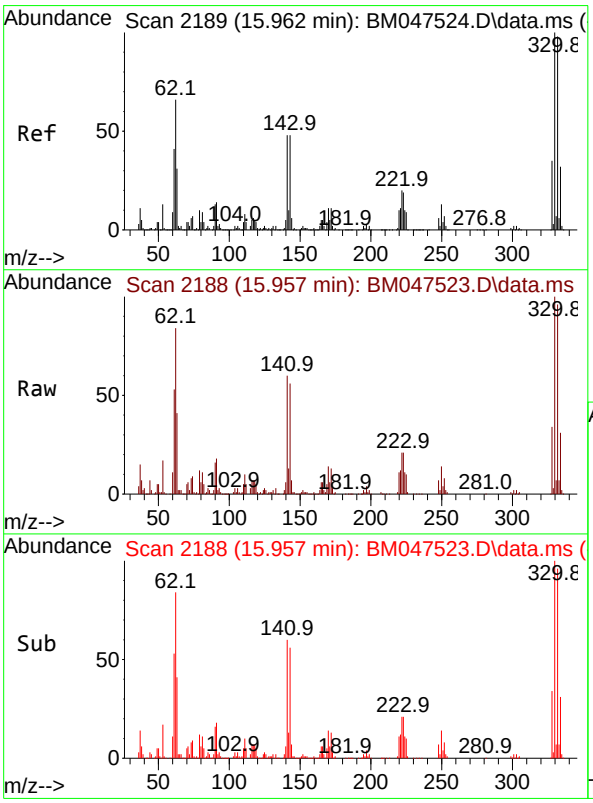
#41
Hexachlorocyclopentadiene
Concen: 19.005 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 155288

Ion	Ratio	Lower	Upper
237	100		
235	65.1	42.0	82.0
272	12.7	0.0	31.5

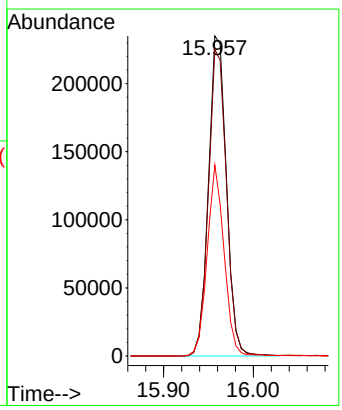


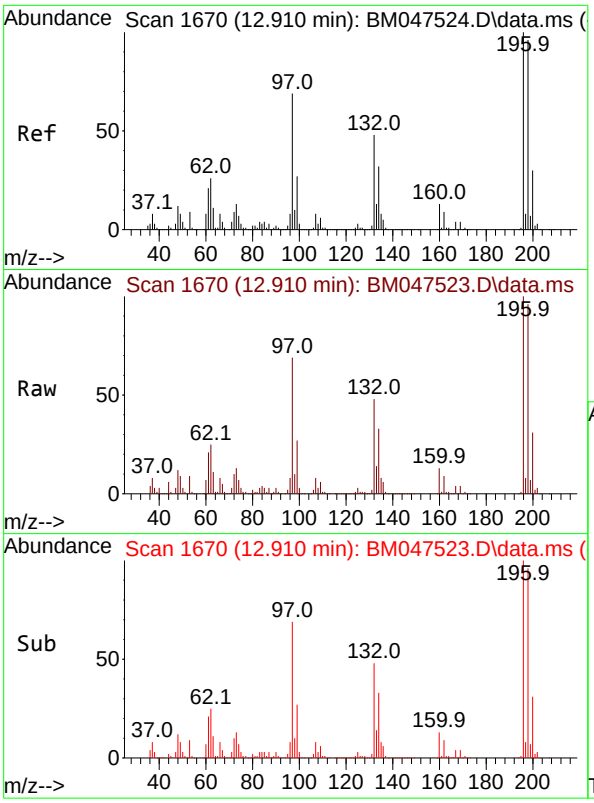


#42
2,4,6-Tribromophenol
Concen: 36.672 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:330 Resp: 327422

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	56.2	42.2	63.2



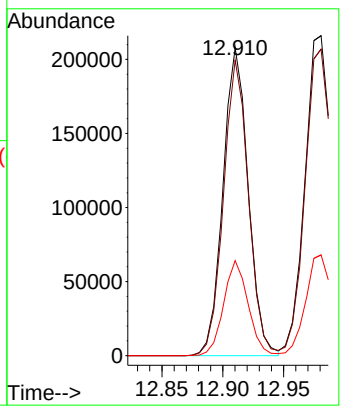


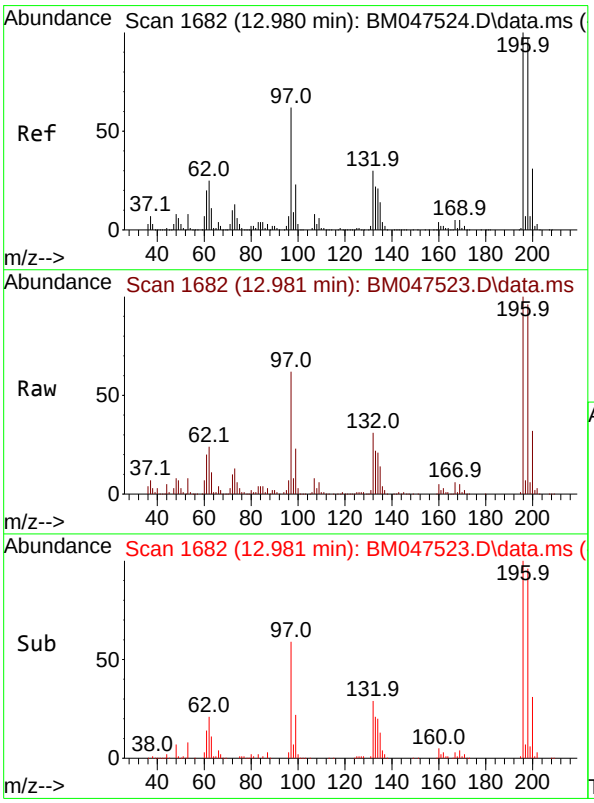
#43
2,4,6-Trichlorophenol
Concen: 19.191 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 300506

Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.9	115.3
200	30.9	24.3	36.5

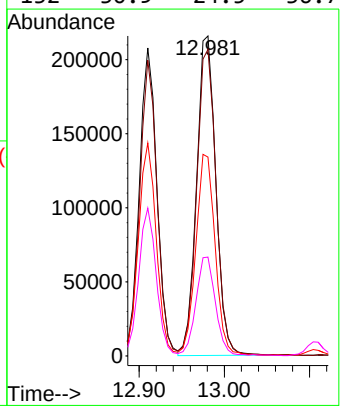


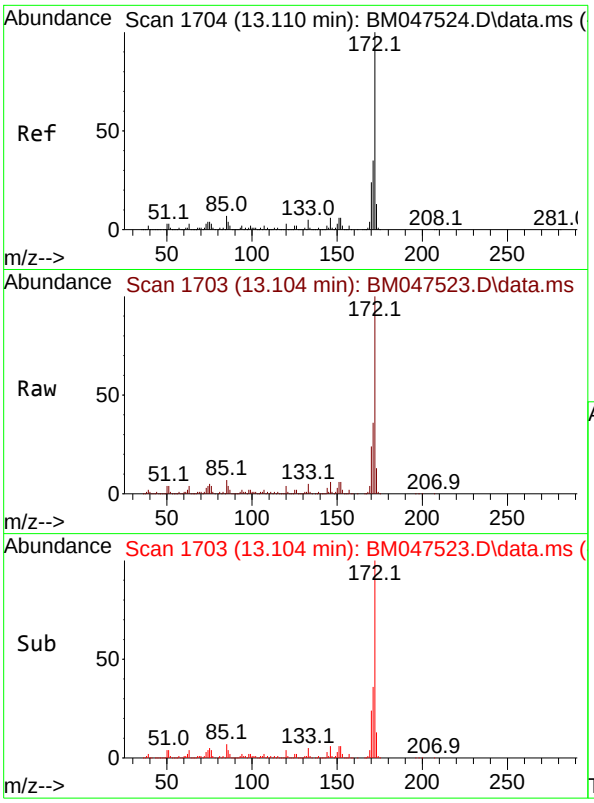


#44
2,4,5-Trichlorophenol
Concen: 19.144 ng
RT: 12.981 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:196 Resp: 338597

Ion	Ratio	Lower	Upper
196	100		
198	95.8	77.4	116.2
97	62.1	49.8	74.8
132	30.9	24.5	36.7



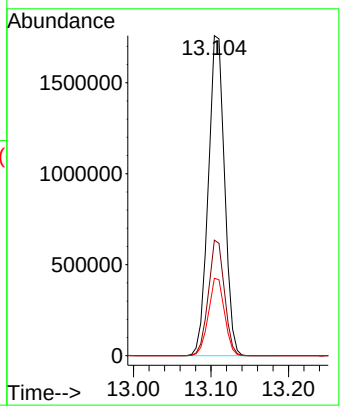


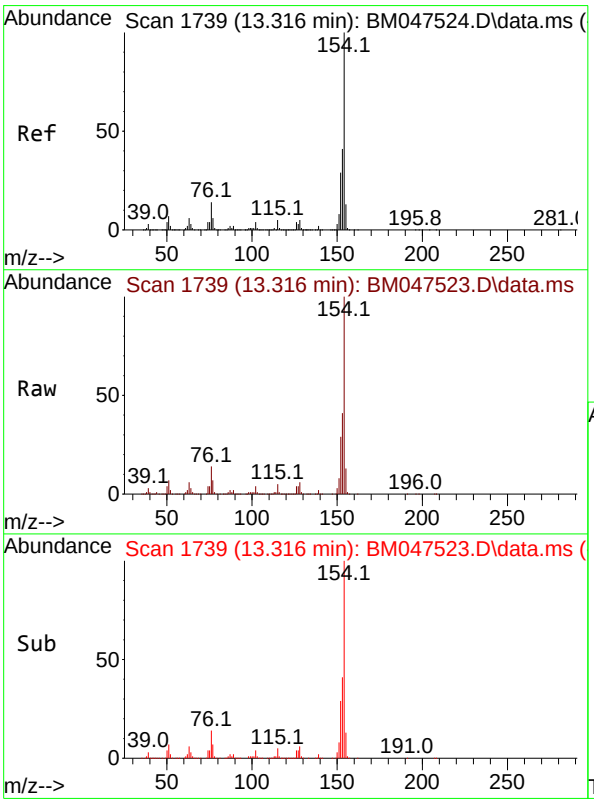
#45
2-Fluorobiphenyl
Concen: 38.163 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2559019

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.2
170	24.2	19.4	29.0

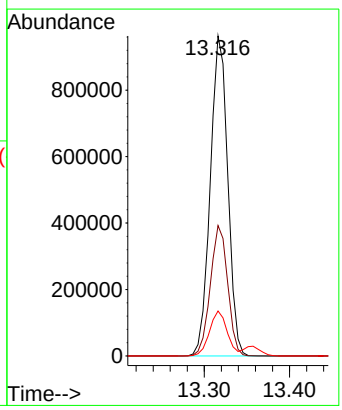


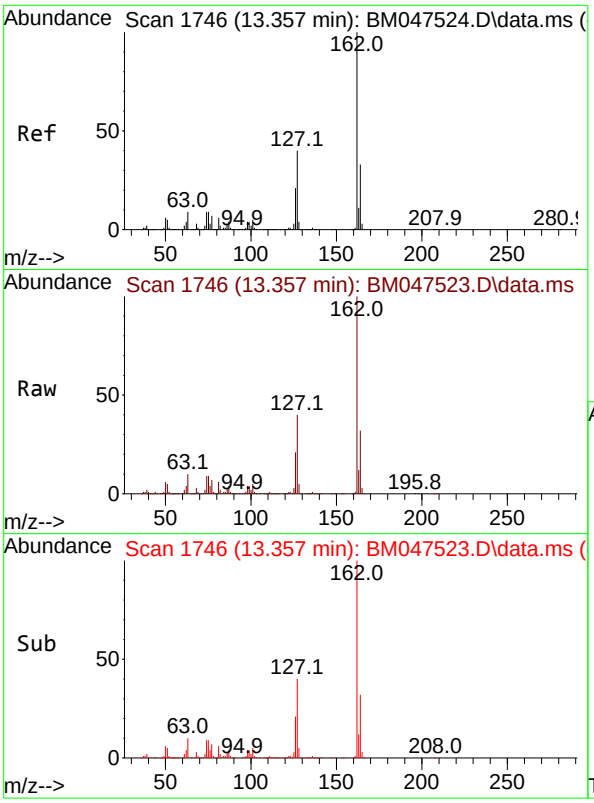


#46
1,1'-Biphenyl
Concen: 19.152 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:154 Resp: 1376433

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.6	60.6
76	14.1	0.0	33.9



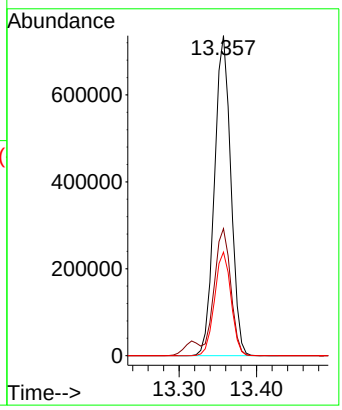


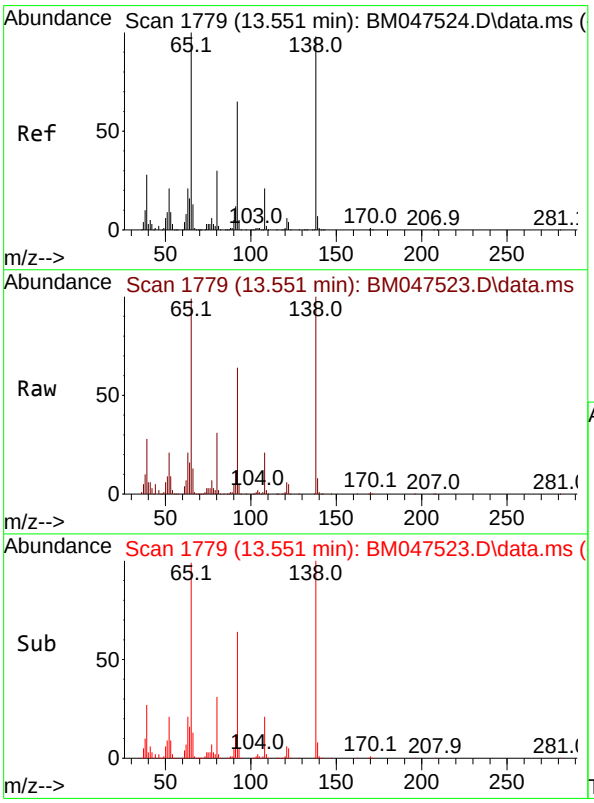
#47
2-Chloronaphthalene
Concen: 19.344 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 1079485

Ion	Ratio	Lower	Upper
162	100		
127	39.7	32.2	48.4
164	32.4	26.3	39.5

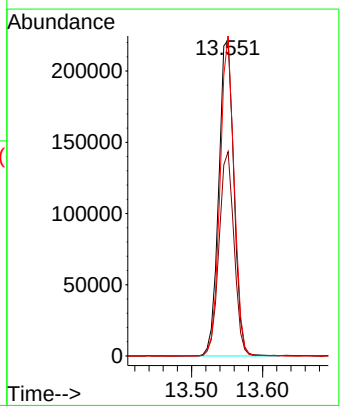


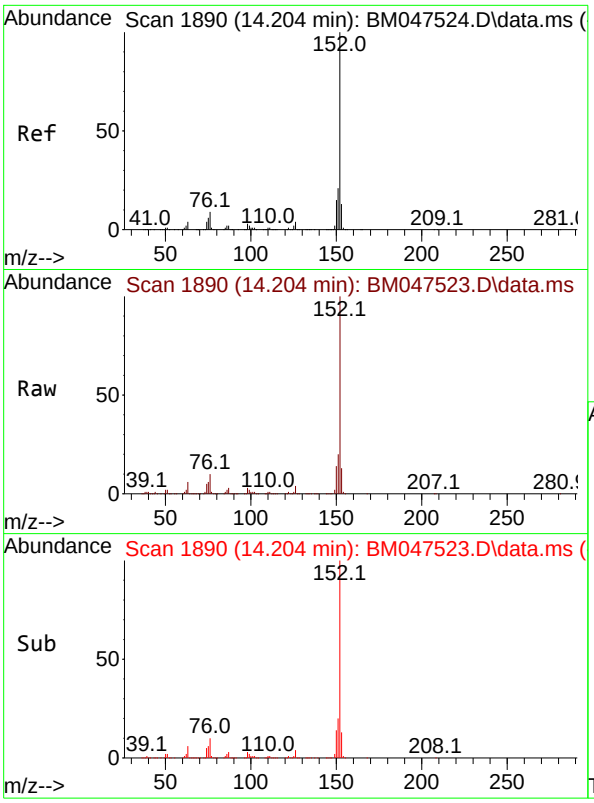


#48
2-Nitroaniline
Concen: 19.988 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 65 Resp: 327621

Ion	Ratio	Lower	Upper
65	100		
92	64.7	51.9	77.9
138	101.4	78.5	117.7



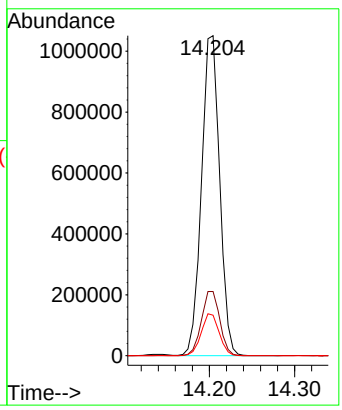


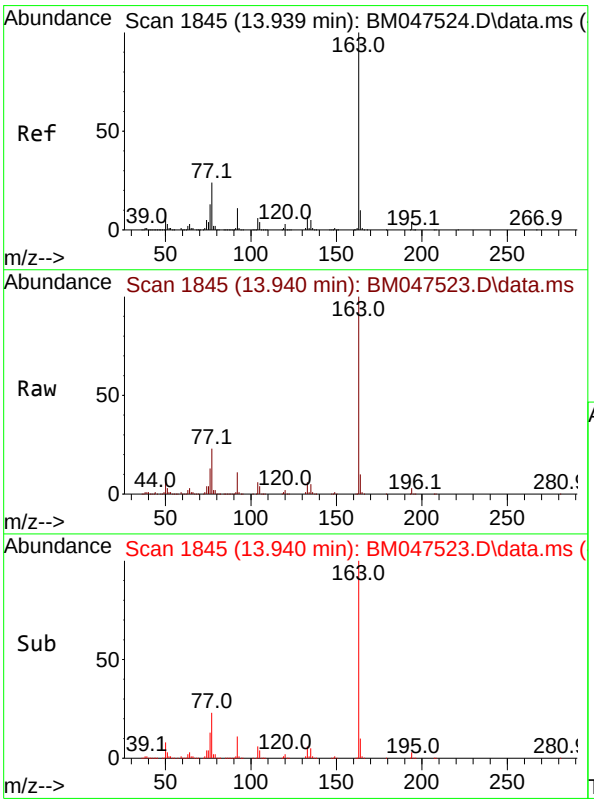
#49
Acenaphthylene
Concen: 19.293 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1553646

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.5	24.7
153	12.6	10.4	15.6

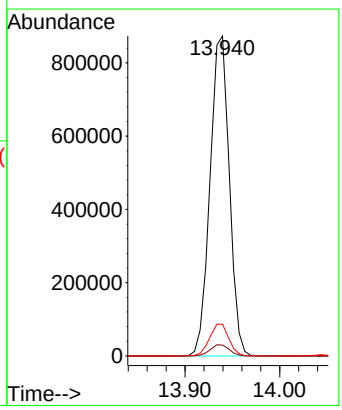


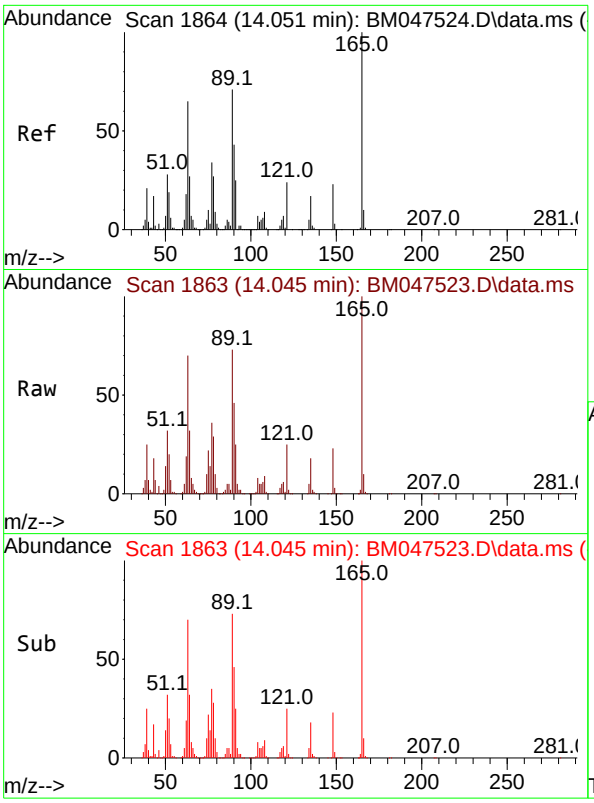


#50
Dimethylphthalate
Concen: 19.601 ng
RT: 13.940 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:163 Resp: 1234071

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	9.9	7.9	11.9



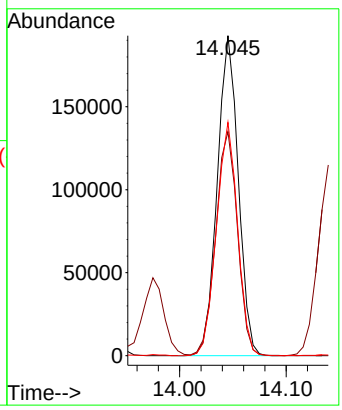


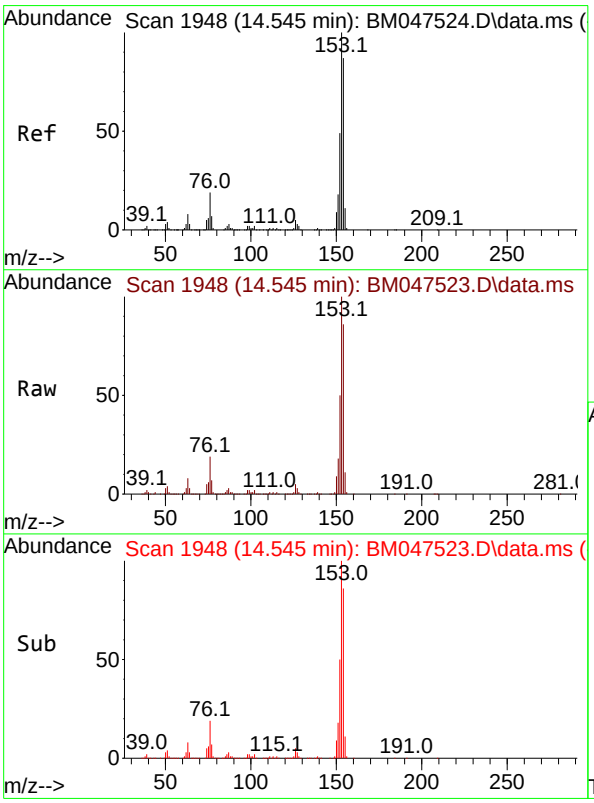
#51
2,6-Dinitrotoluene
Concen: 19.825 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 263492

Ion	Ratio	Lower	Upper
165	100		
63	70.1	54.2	81.2
89	72.9	56.4	84.6

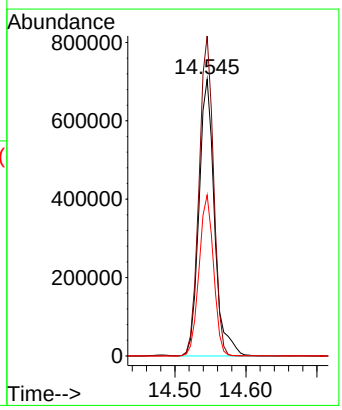


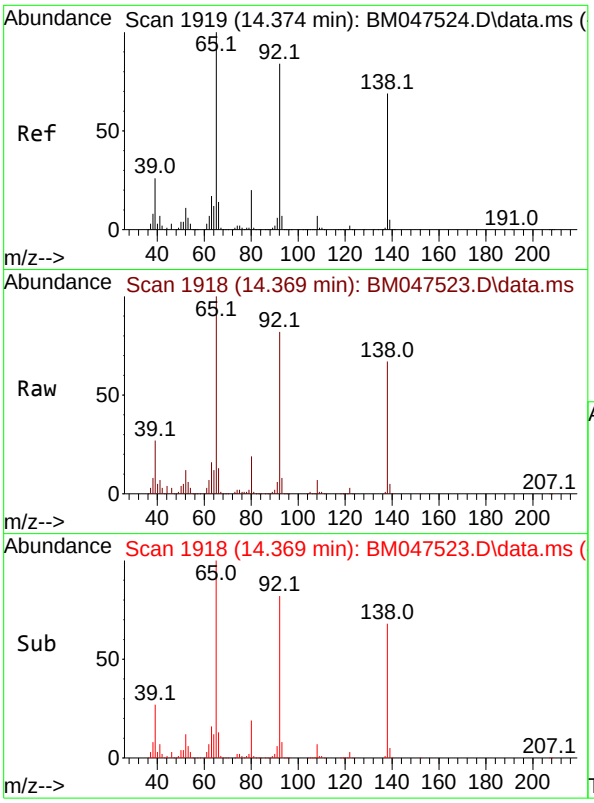


#52
Acenaphthene
Concen: 19.031 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:154 Resp: 1073800

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.2	138.2
152	58.2	45.4	68.0



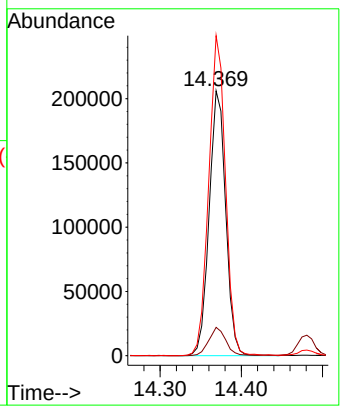


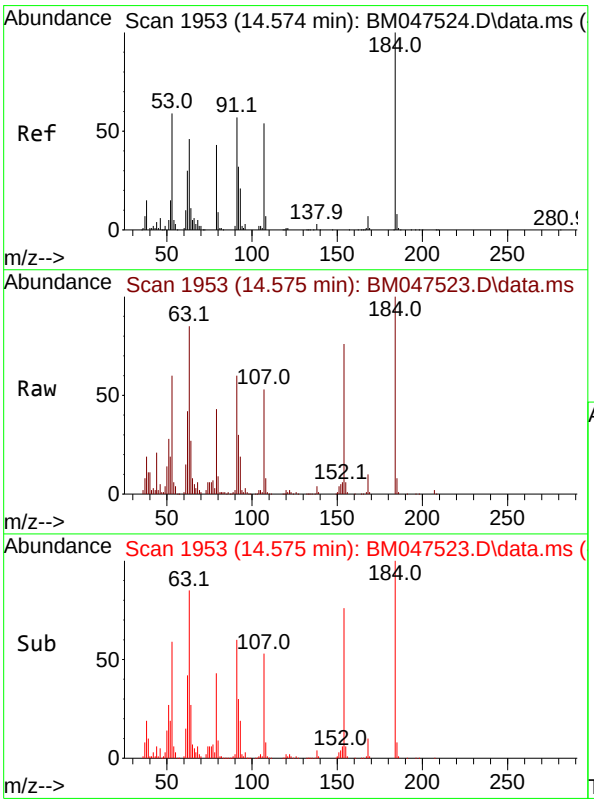
#53
3-Nitroaniline
Concen: 19.730 ng
RT: 14.369 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 291462

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.0	12.0
92	120.9	97.4	146.0

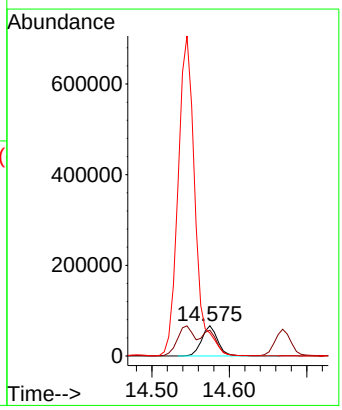


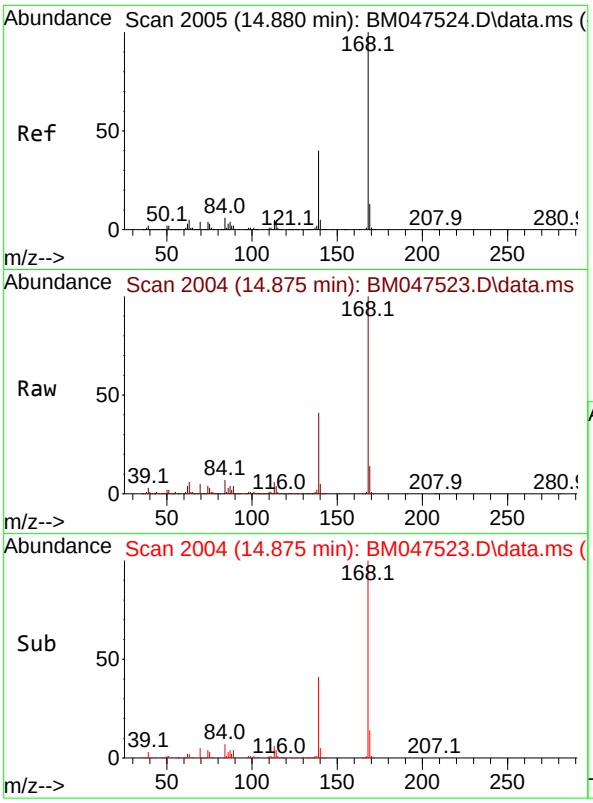


#54
2,4-Dinitrophenol
Concen: 20.092 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:184 Resp: 95439

Ion	Ratio	Lower	Upper
184	100		
63	85.2	69.4	104.0
154	75.6	60.4	90.6



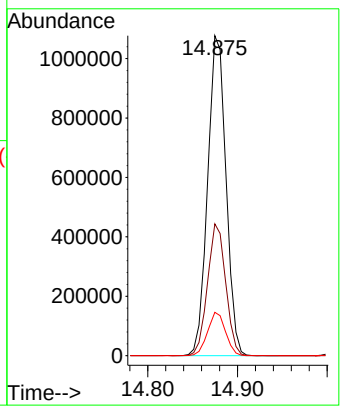


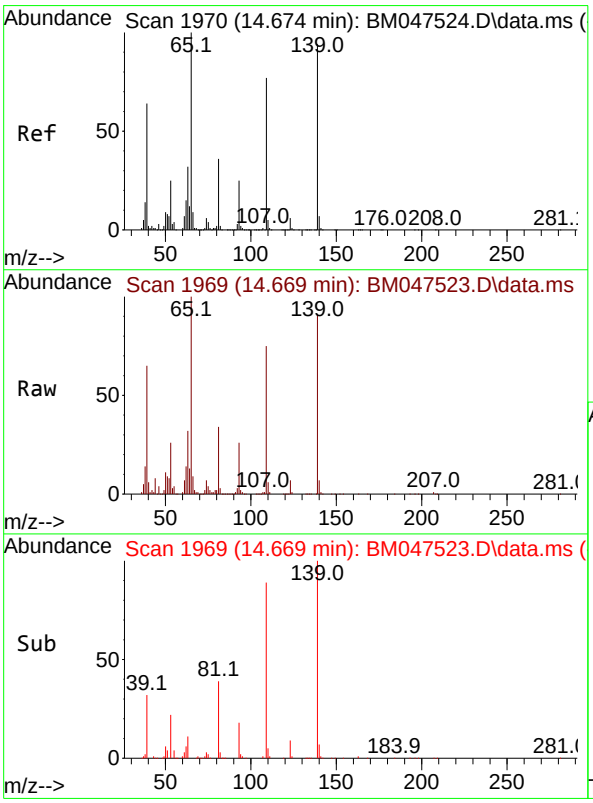
#55
Dibenzofuran
Concen: 19.279 ng
RT: 14.875 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1528665

Ion	Ratio	Lower	Upper
168	100		
139	41.2	31.9	47.9
169	13.6	10.5	15.7

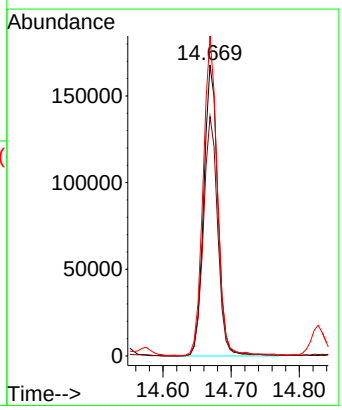


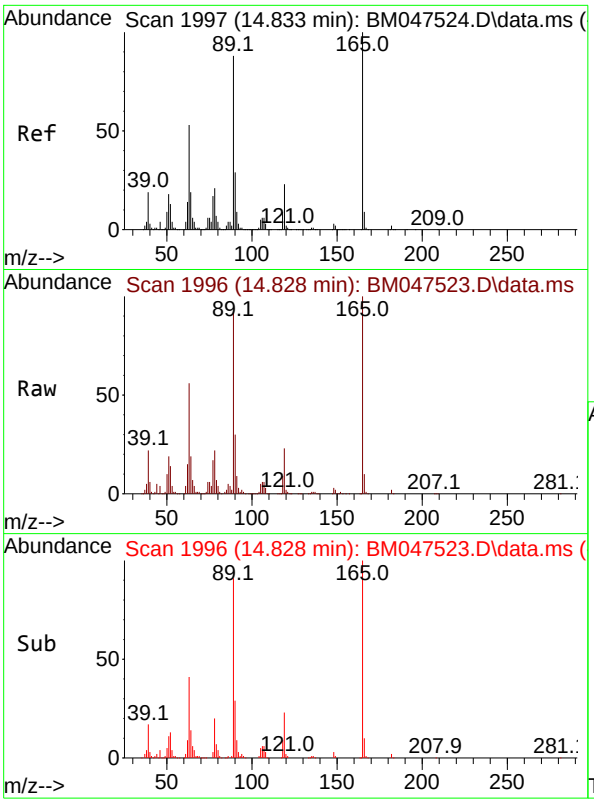


#56
4-Nitrophenol
Concen: 19.979 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:139 Resp: 242863

Ion	Ratio	Lower	Upper
139	100		
109	82.3	62.0	102.0
65	110.0	87.0	127.0



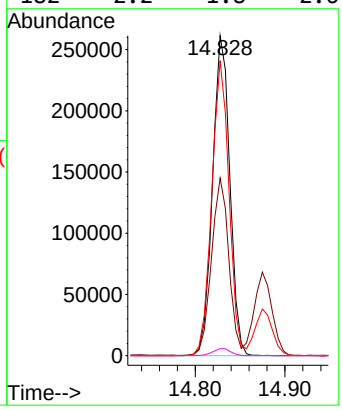


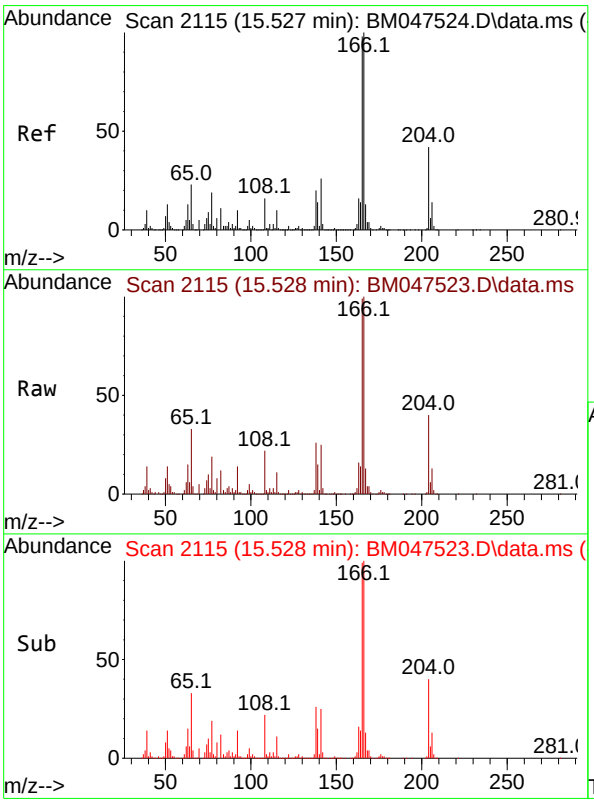
#57
2,4-Dinitrotoluene
Concen: 19.678 ng
RT: 14.828 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 348812

Ion	Ratio	Lower	Upper
165	100		
63	55.5	42.4	63.6
89	92.2	70.5	105.7
182	2.2	1.8	2.6

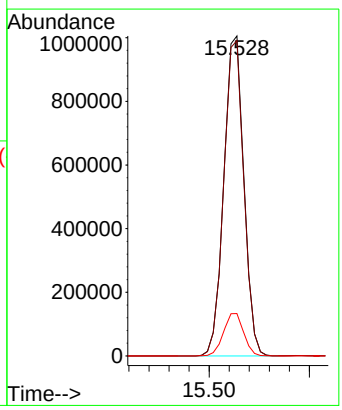


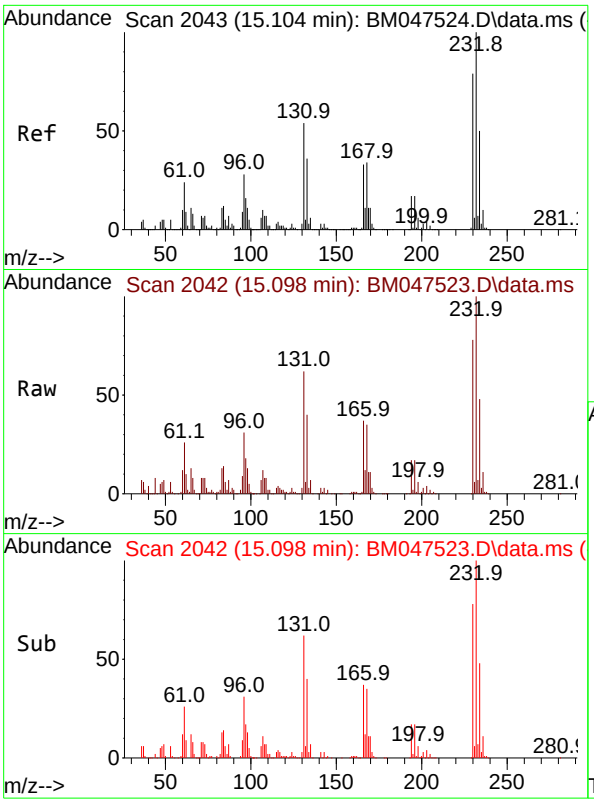


#58
Fluorene
Concen: 19.490 ng
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:166 Resp: 1391341

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	13.3	10.7	16.1



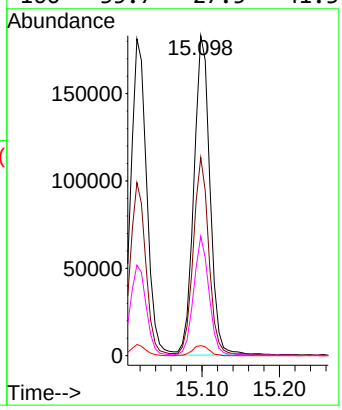


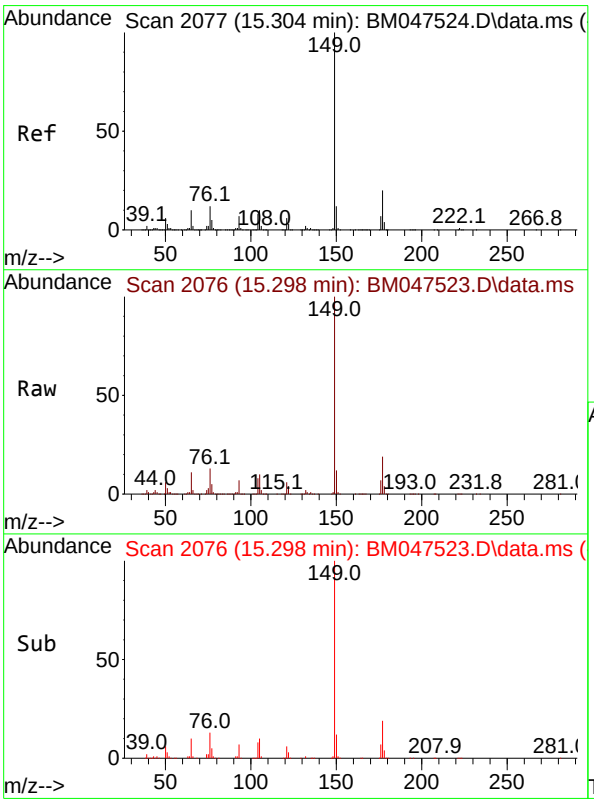
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.048 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 262673

Ion	Ratio	Lower	Upper
232	100		
131	60.6	47.0	70.4
130	3.3	2.6	3.8
166	35.7	27.5	41.3

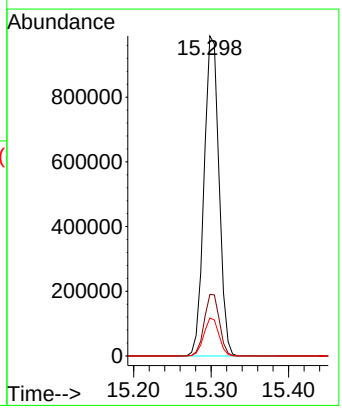


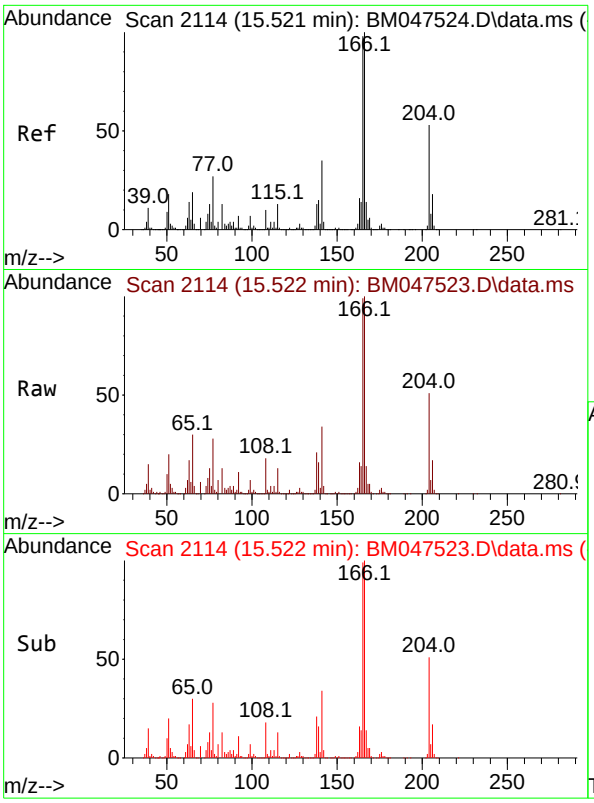


#60
Diethylphthalate
Concen: 19.779 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 1325288

Ion	Ratio	Lower	Upper
149	100		
177	19.2	15.8	23.8
150	11.8	9.7	14.5



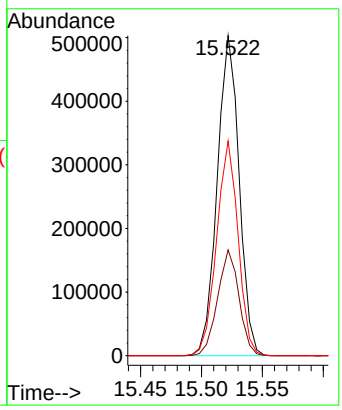


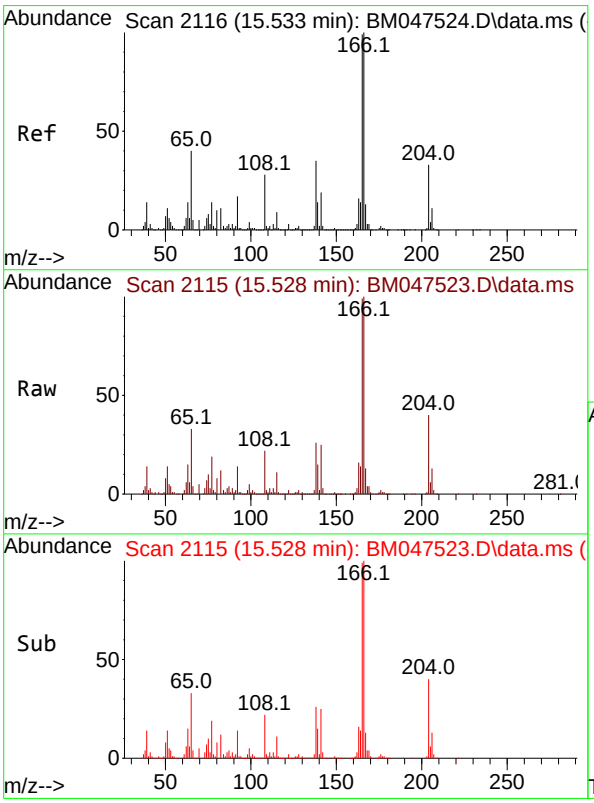
#61
4-Chlorophenyl-phenylether
Concen: 19.318 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 630563

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	67.1	52.1	78.1

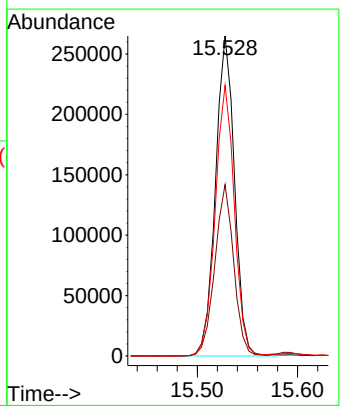


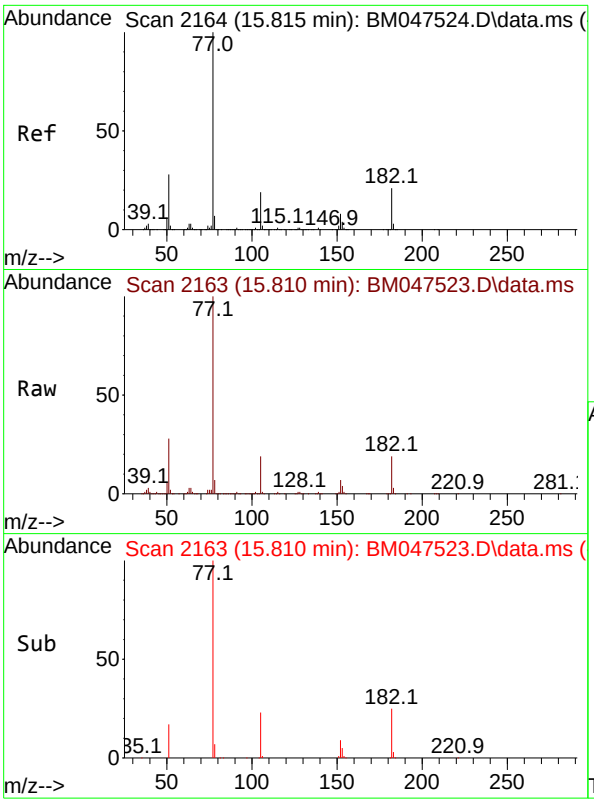


#62
4-Nitroaniline
Concen: 20.055 ng
RT: 15.528 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:138 Resp: 348254

Ion	Ratio	Lower	Upper
138	100		
92	53.6	30.0	70.0
108	84.5	61.7	101.7



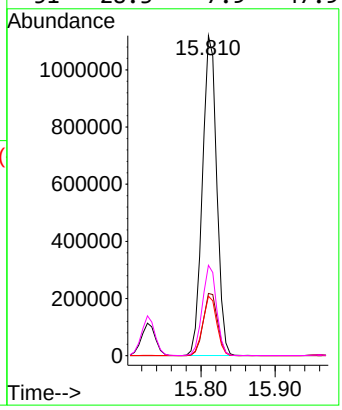


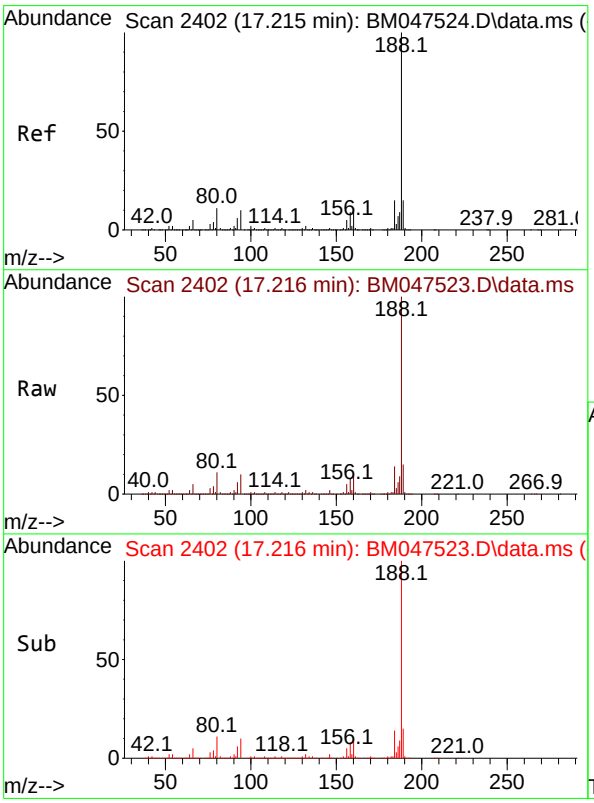
#63
Azobenzene
Concen: 20.288 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 1496804

Ion	Ratio	Lower	Upper
77	100		
182	19.4	1.2	41.2
105	18.6	0.0	39.4
51	28.3	7.9	47.9

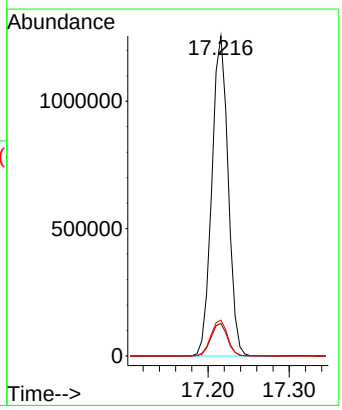


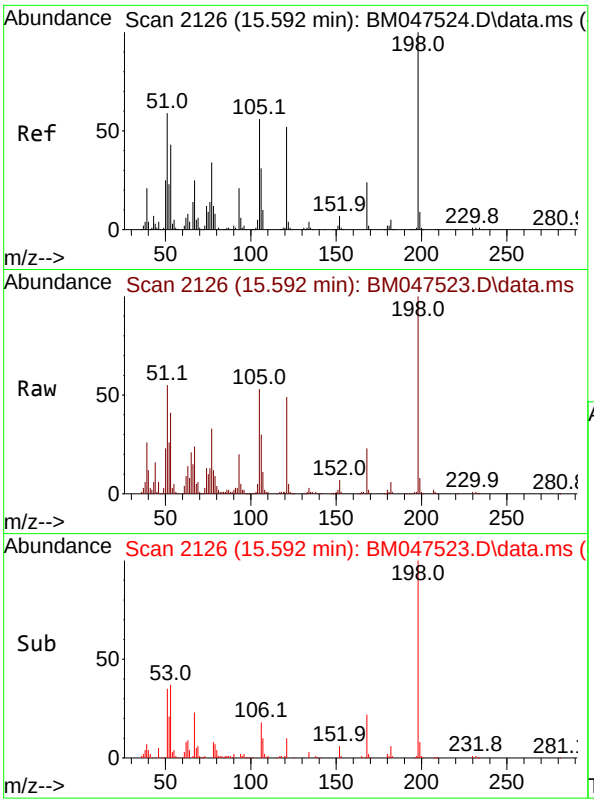


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:188 Resp: 1751897

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	11.2	9.1	13.7



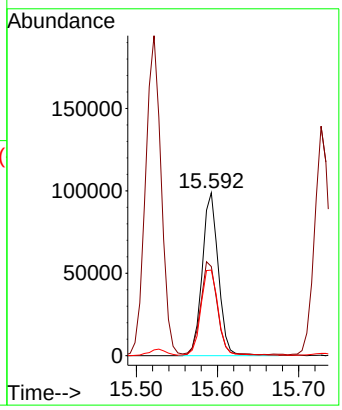


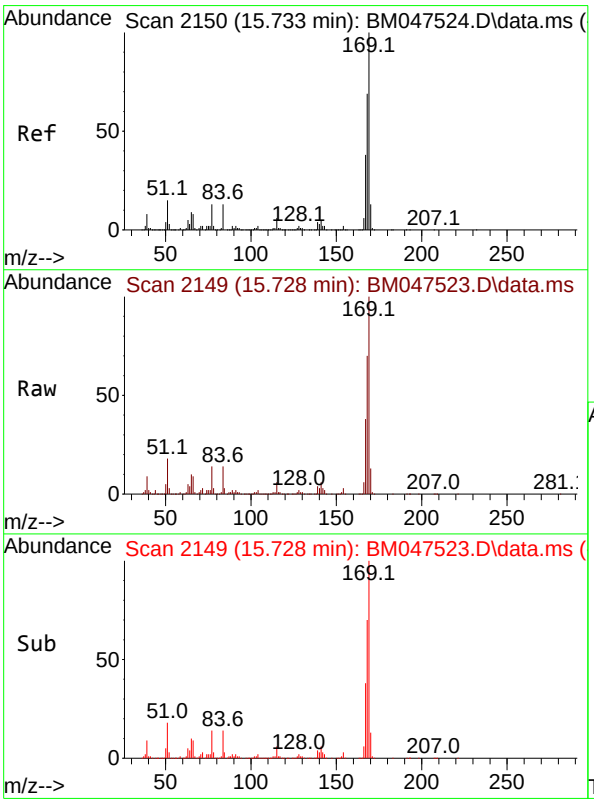
#65
4,6-Dinitro-2-methylphenol
Concen: 20.104 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 135667

Ion	Ratio	Lower	Upper
198	100		
51	54.7	41.5	81.5
105	52.5	36.4	76.4

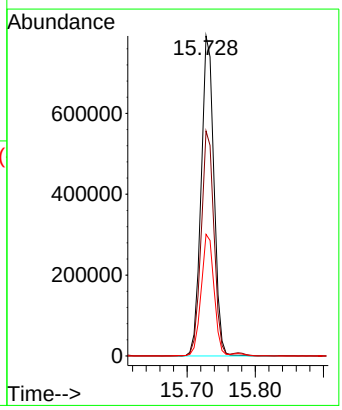


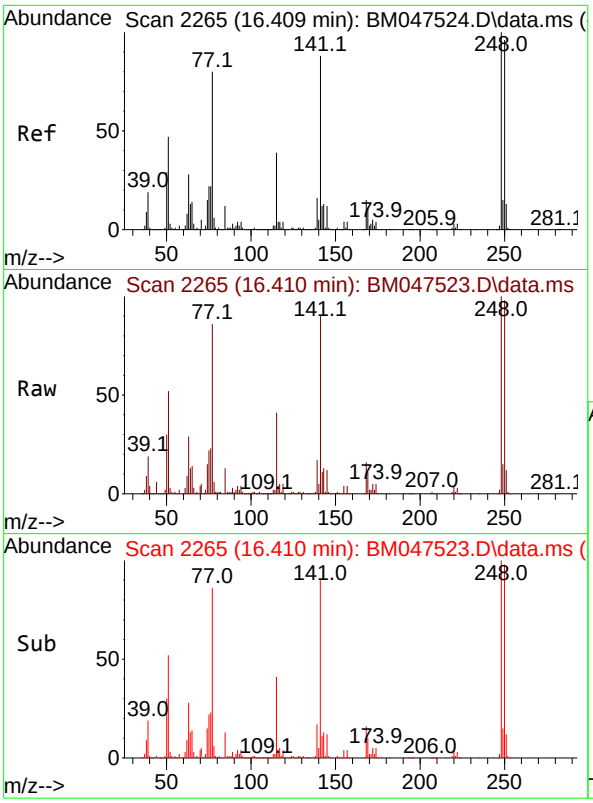


#66
n-Nitrosodiphenylamine
Concen: 19.283 ng
RT: 15.728 min Scan# 2149
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:169 Resp: 1033465

Ion	Ratio	Lower	Upper
169	100		
168	70.3	55.3	82.9
167	38.0	30.5	45.7



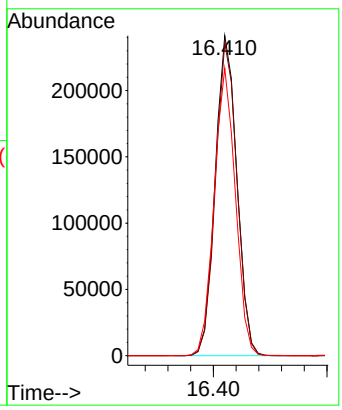


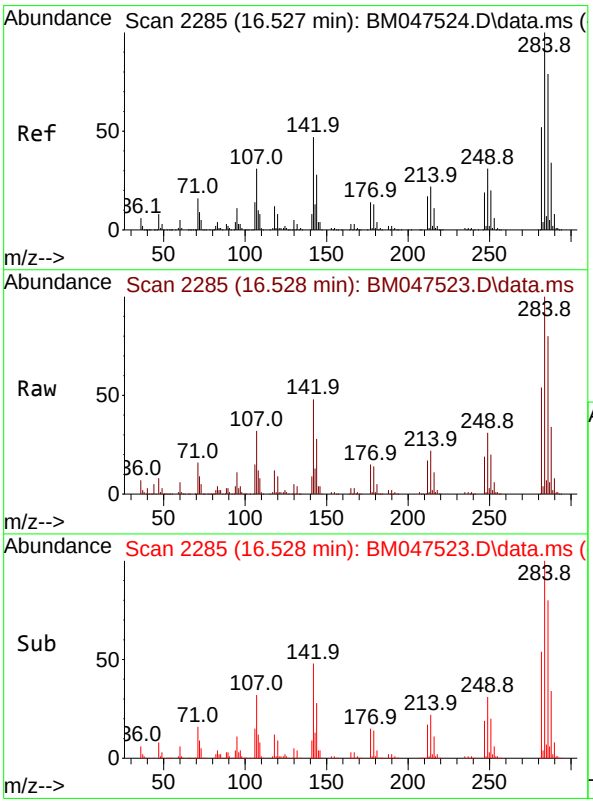
#67
4-Bromophenyl-phenylether
Concen: 18.807 ng
RT: 16.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 320141

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.9	115.3
141	89.8	70.8	106.2

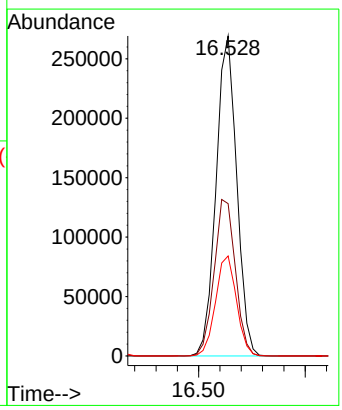


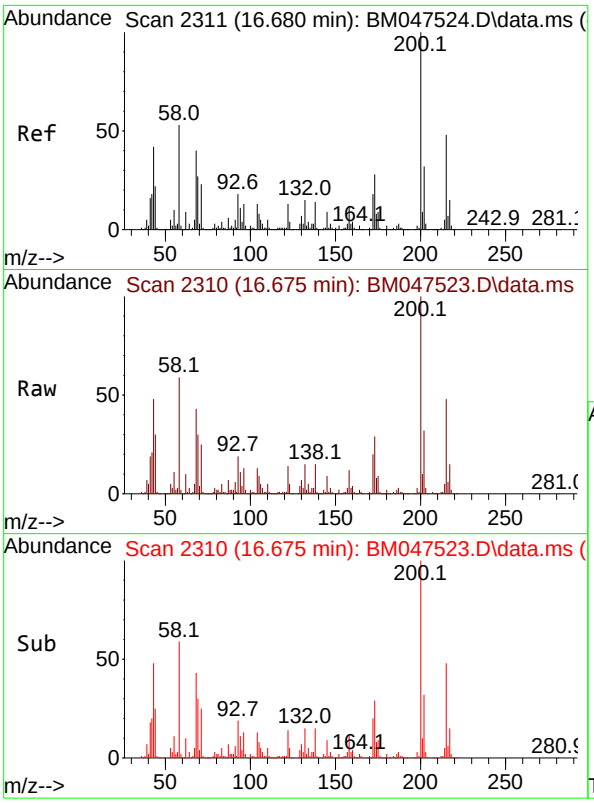


#68
Hexachlorobenzene
Concen: 18.759 ng
RT: 16.528 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:284 Resp: 361746

Ion	Ratio	Lower	Upper
284	100		
142	47.6	37.3	55.9
249	31.2	24.5	36.7



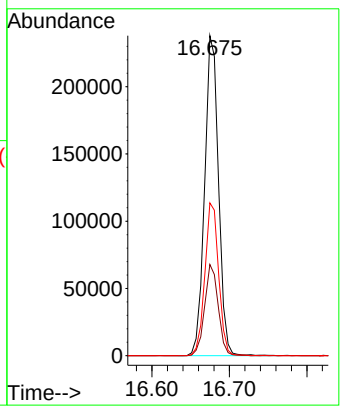


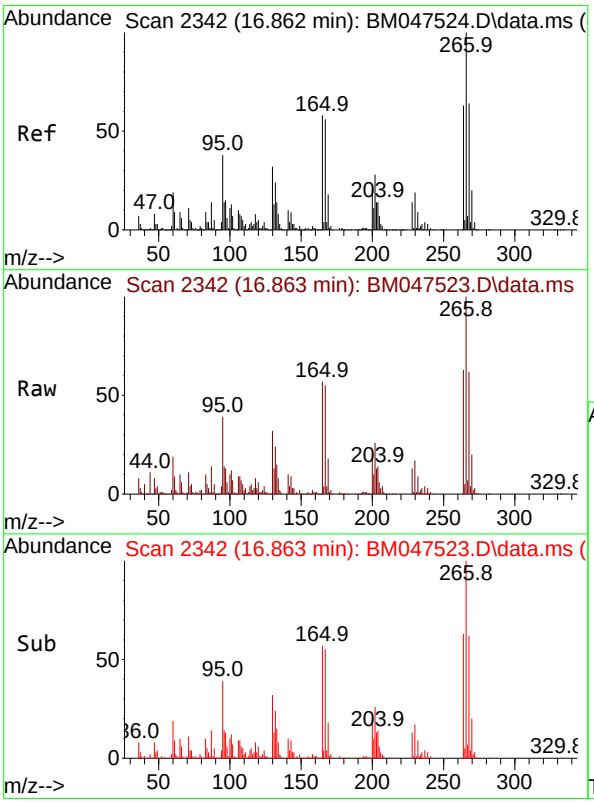
#69
Atrazine
Concen: 19.952 ng
RT: 16.675 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 295545

Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.7	47.7
215	47.7	27.9	67.9

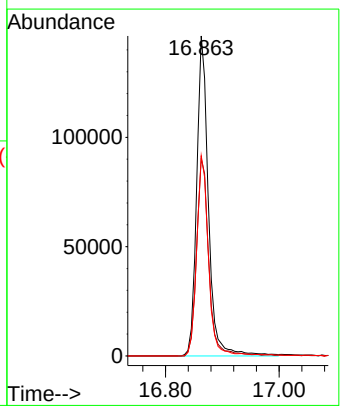


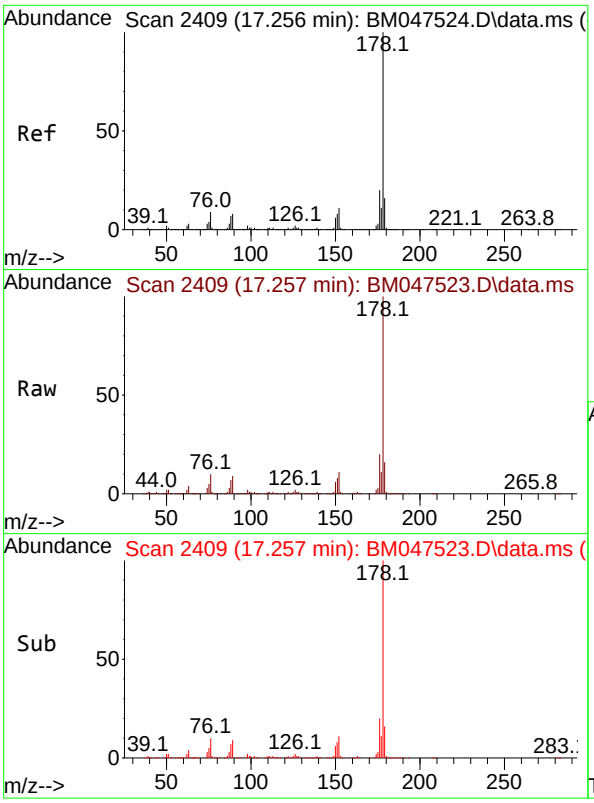


#70
Pentachlorophenol
Concen: 18.928 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:266 Resp: 211585

Ion	Ratio	Lower	Upper
266	100		
268	61.7	51.0	76.4
264	62.6	50.4	75.6



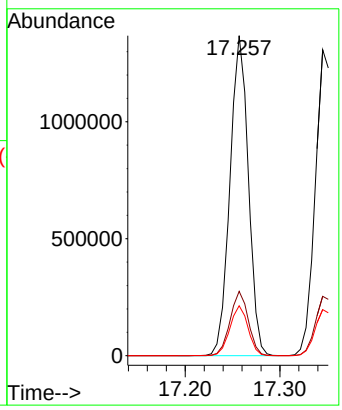


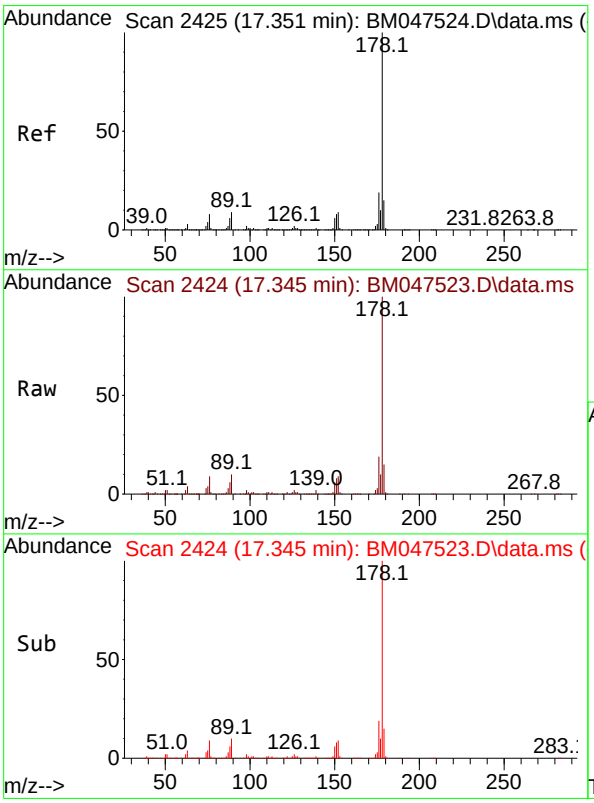
#71
Phenanthrene
Concen: 19.123 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1846292

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.0	24.0
179	15.6	12.4	18.6

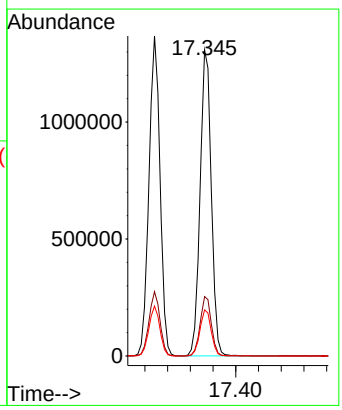


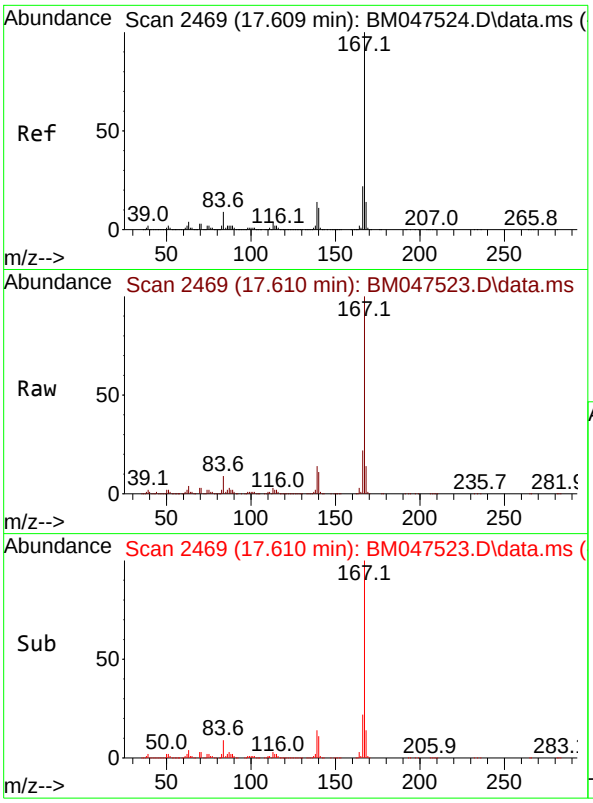


#72
Anthracene
Concen: 19.289 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:178 Resp: 1789228

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.1	12.3	18.5



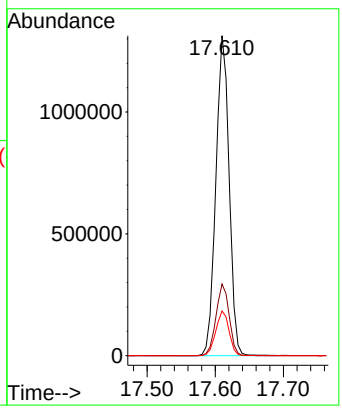


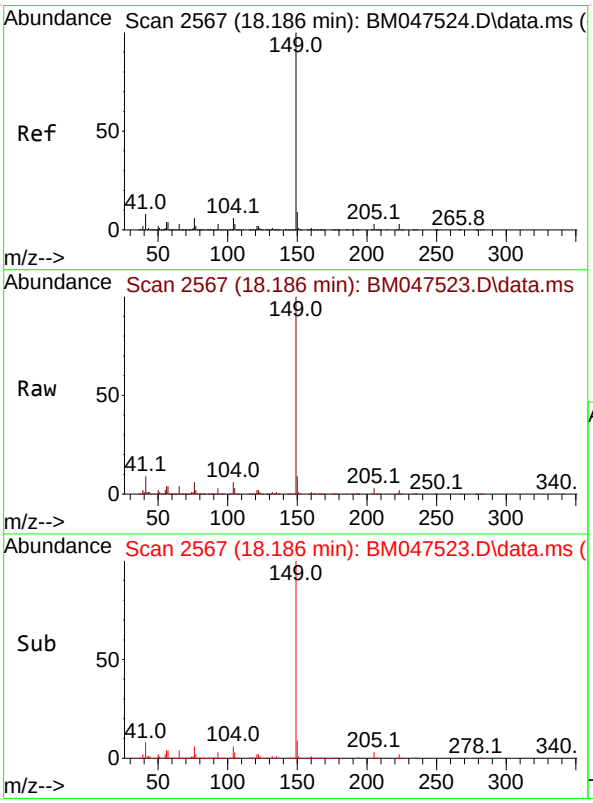
#73
Carbazole
Concen: 19.343 ng
RT: 17.610 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1778076

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.8	26.8
139	14.0	11.0	16.6

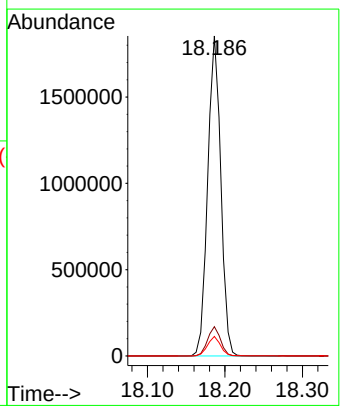


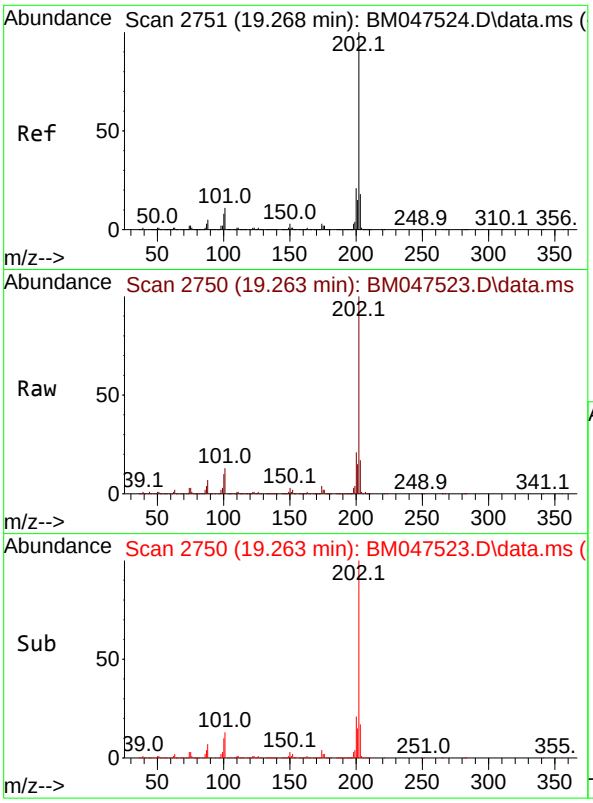


#74
Di-n-butylphthalate
Concen: 19.713 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 2168251

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	6.1	4.6	6.8



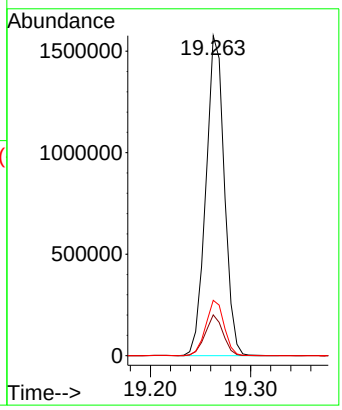


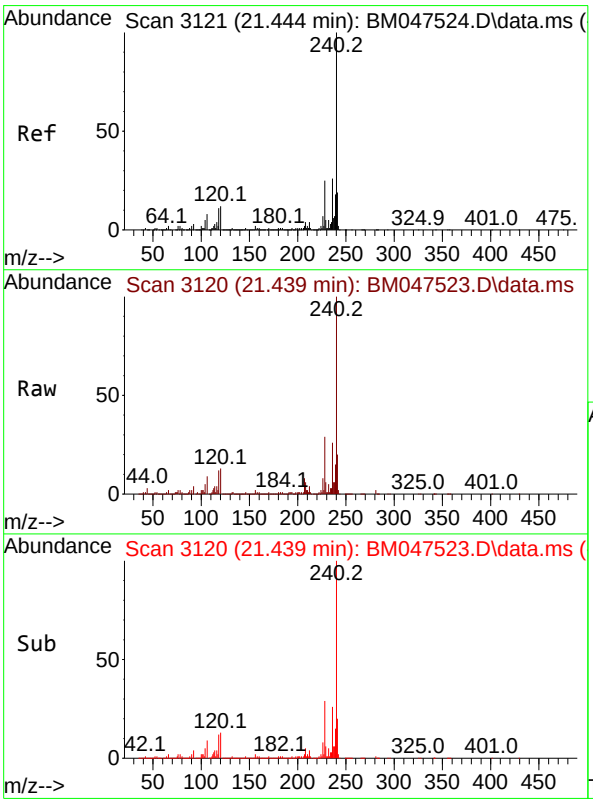
#75
Fluoranthene
Concen: 19.109 ng
RT: 19.263 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 2012958

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	30.8
203	17.3	0.0	37.7

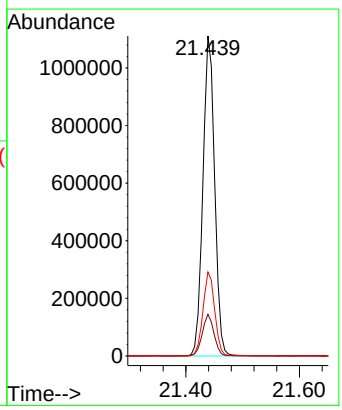


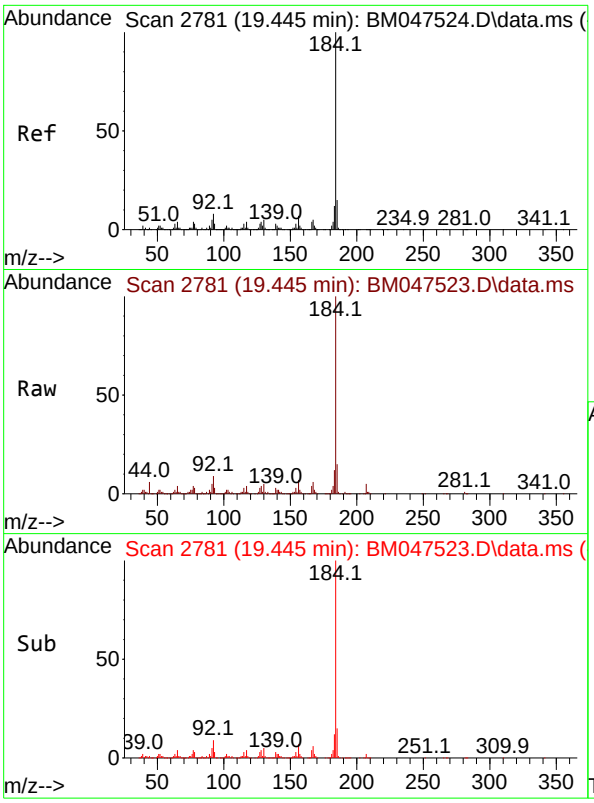


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:240 Resp: 1587065

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.6	14.4
236	26.3	20.9	31.3



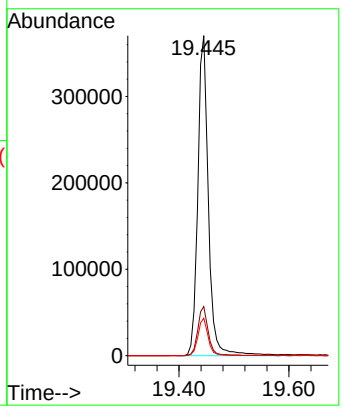


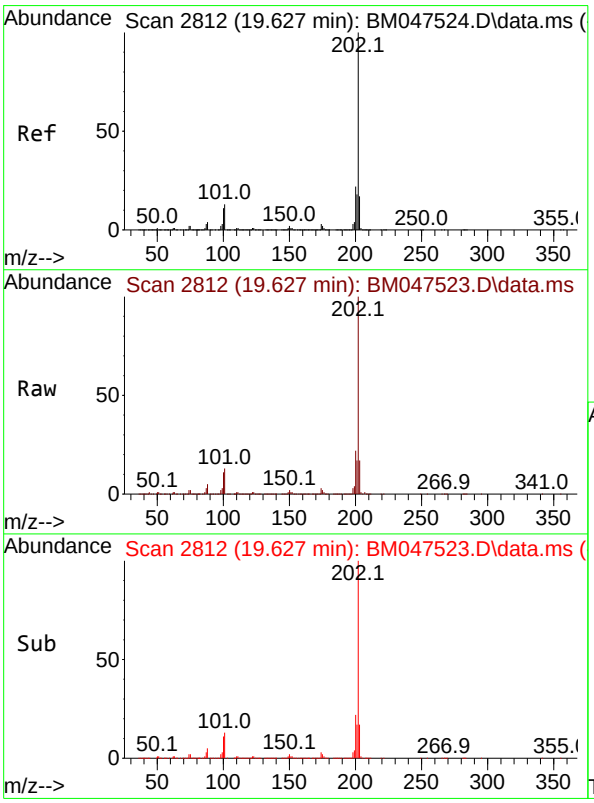
#77
Benzidine
Concen: 22.182 ng
RT: 19.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 495797

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.2	18.2
183	11.7	9.6	14.4

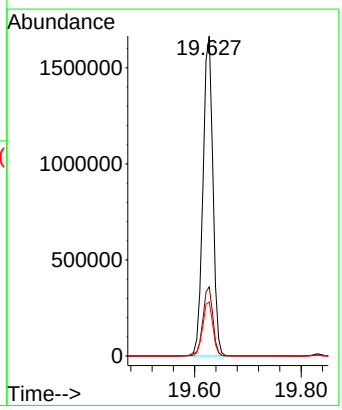


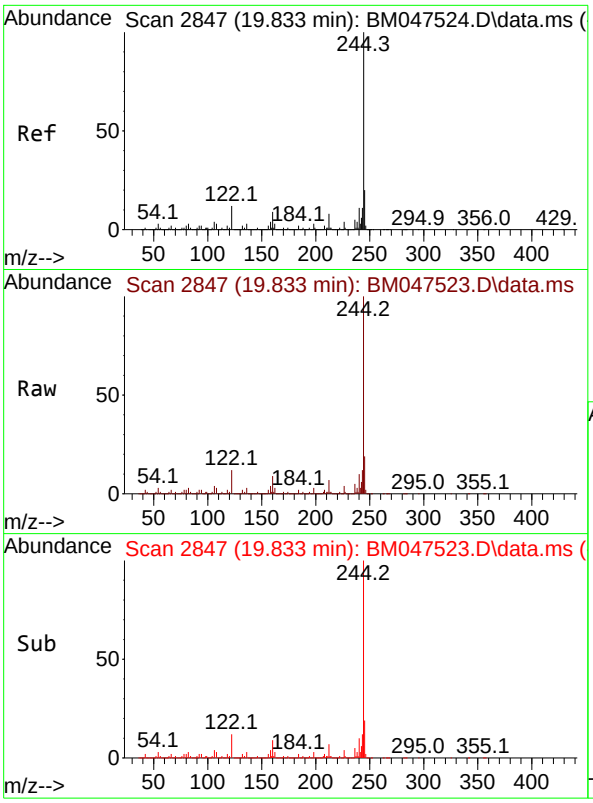


#78
Pyrene
Concen: 18.554 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:202 Resp: 2147890

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	16.9	14.0	21.0



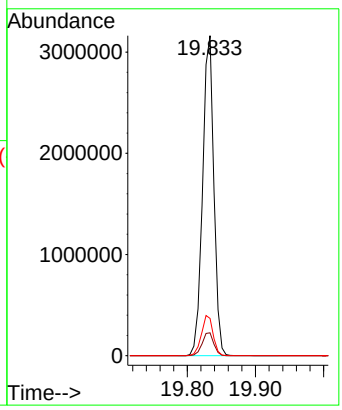


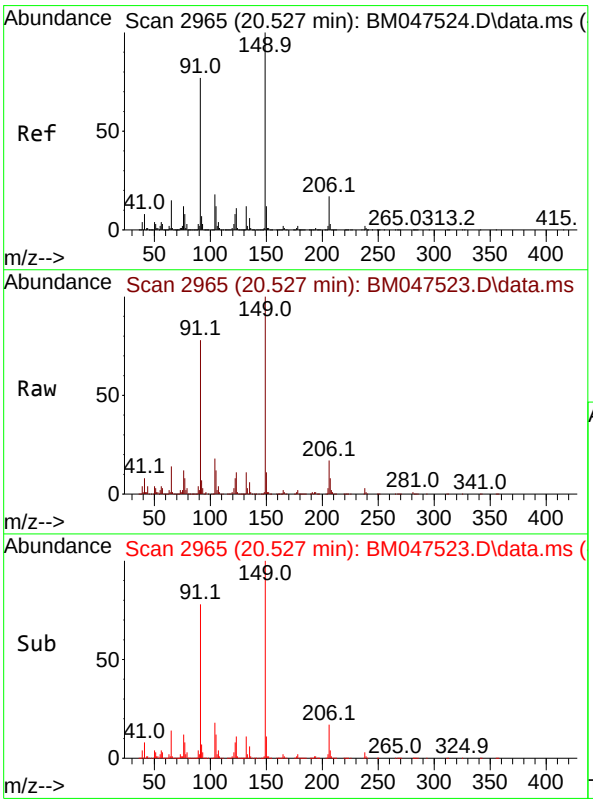
#79
Terphenyl-d14
Concen: 40.931 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3625135

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	11.6	9.6	14.4

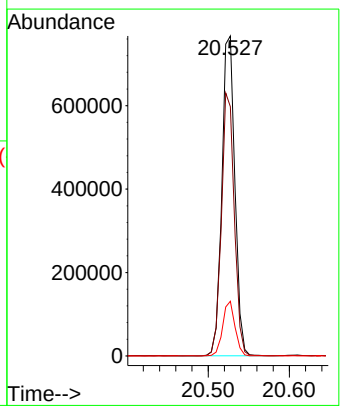


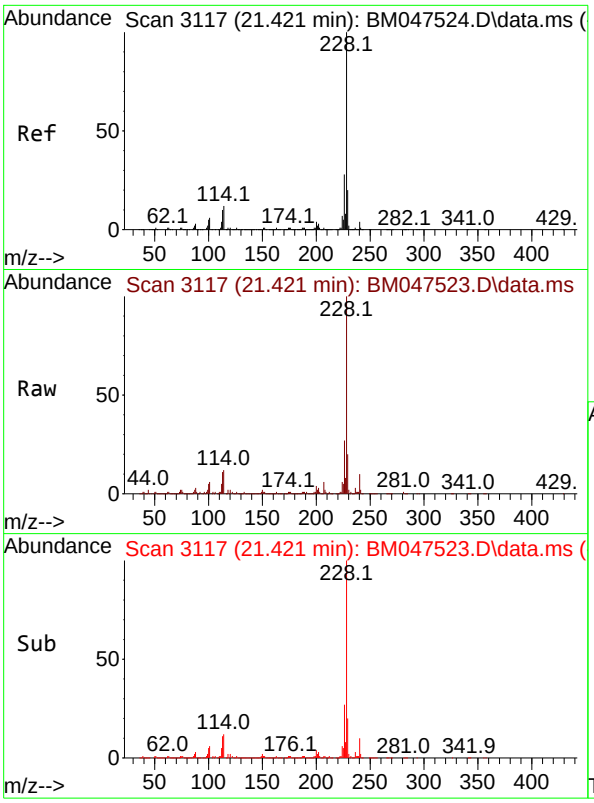


#80
Butylbenzylphthalate
Concen: 19.228 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 856878

Ion	Ratio	Lower	Upper
149	100		
91	77.9	62.0	93.0
206	17.1	13.8	20.8



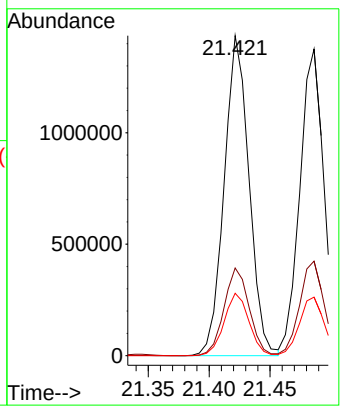


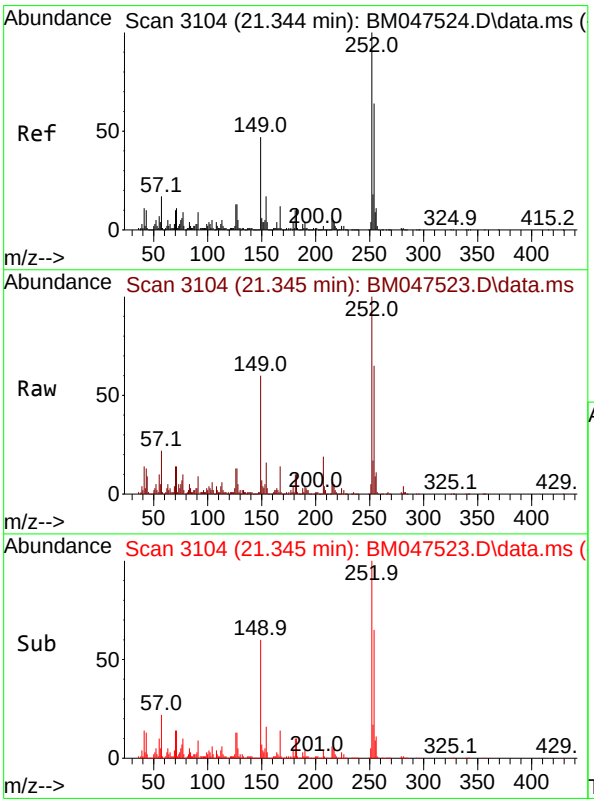
#81
Benzo(a)anthracene
Concen: 19.725 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 2040458

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.4	33.6
229	19.5	16.0	24.0

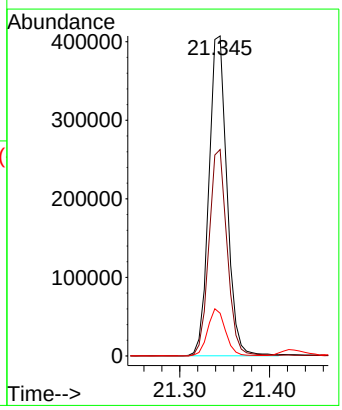


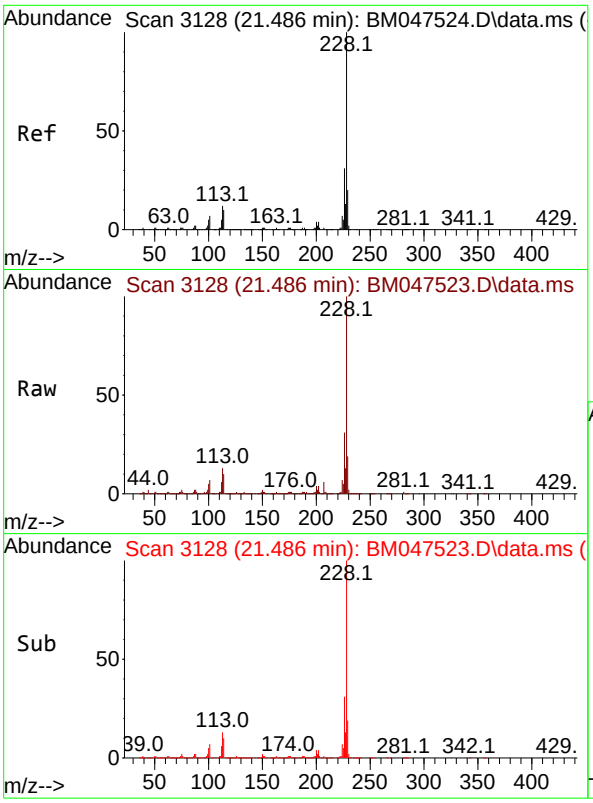


#82
3,3'-Dichlorobenzidine
Concen: 20.664 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:252 Resp: 568618

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.5	77.3
126	13.3	10.3	15.5



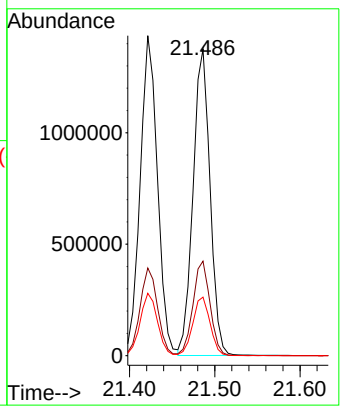


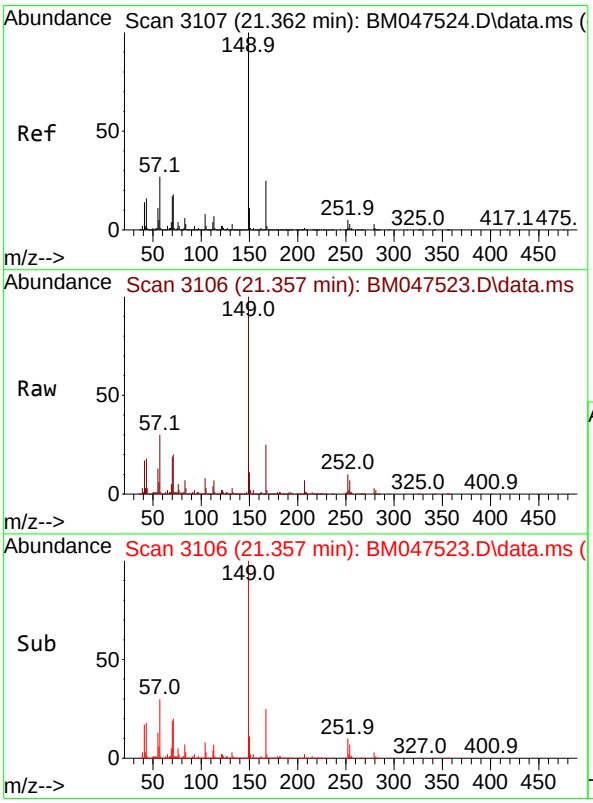
#83
Chrysene
Concen: 19.472 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1905289

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.1	15.9	23.9

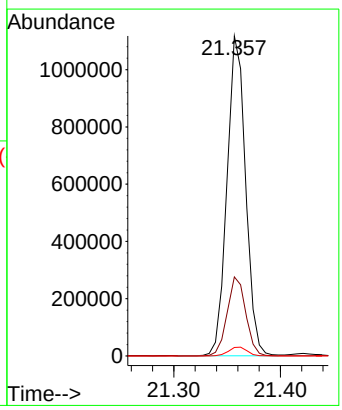


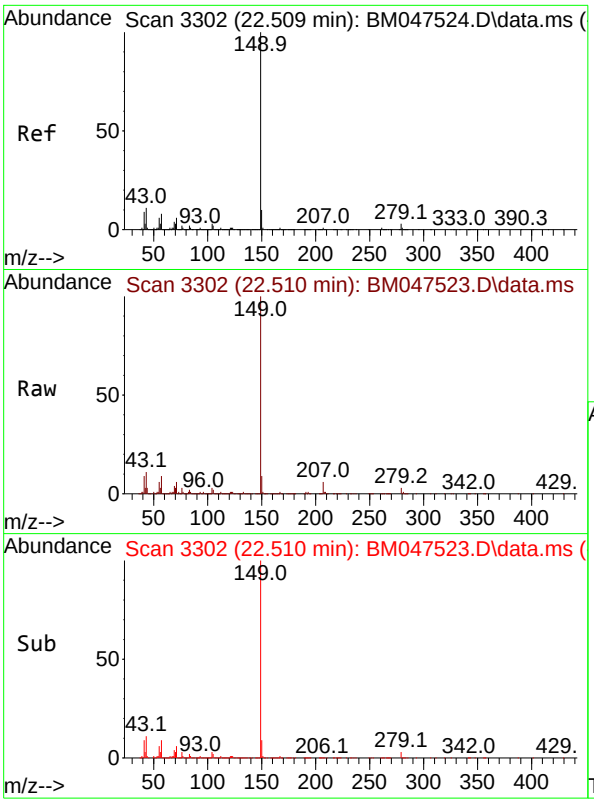


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.416 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 1355453

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.2	30.4
279	2.7	2.6	4.0



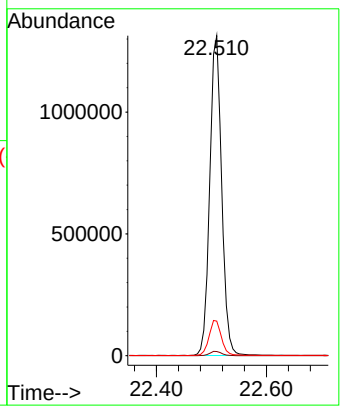


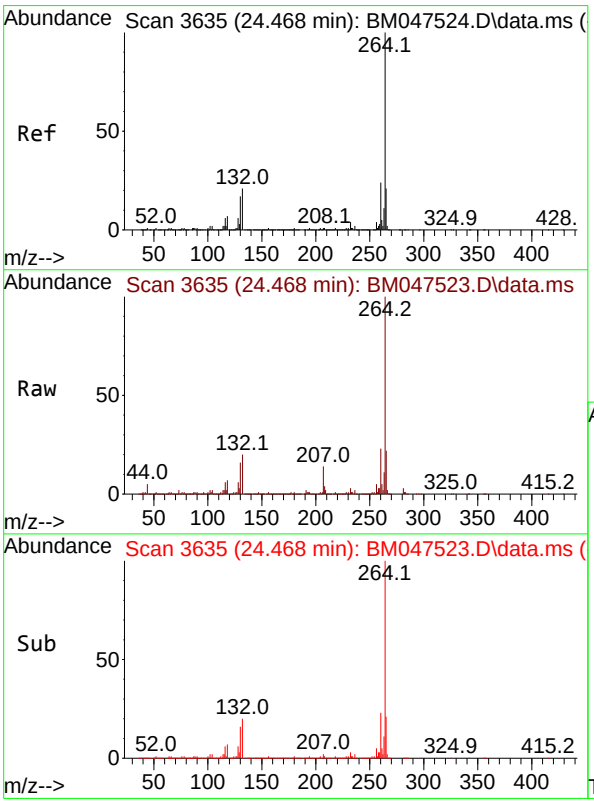
#85
Di-n-octyl phthalate
Concen: 19.984 ng
RT: 22.510 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1973400

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.5	8.9	13.3

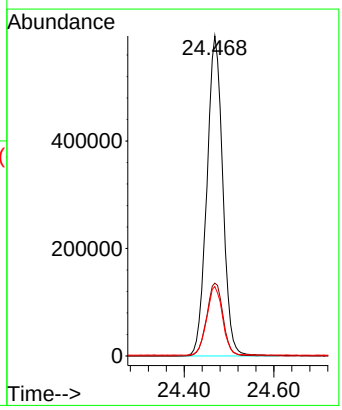


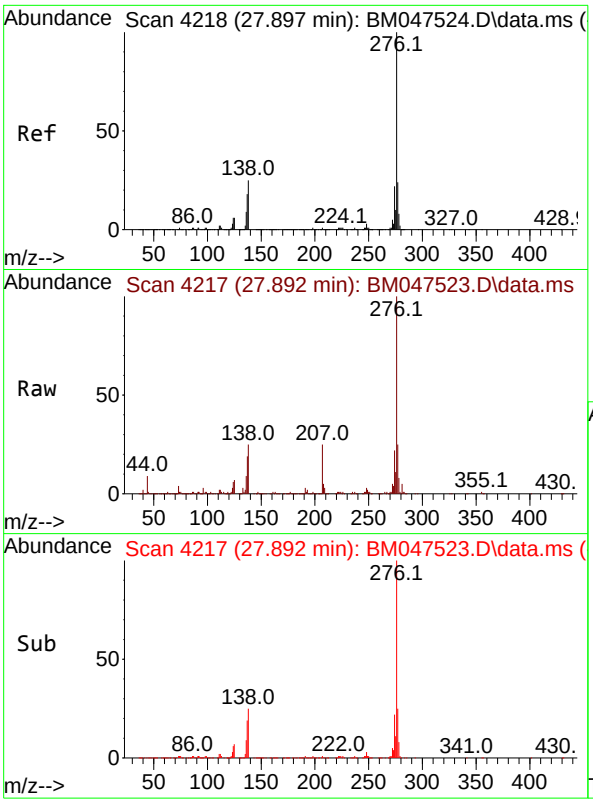


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:264 Resp: 1465788

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.9	28.3
265	21.7	17.4	26.2



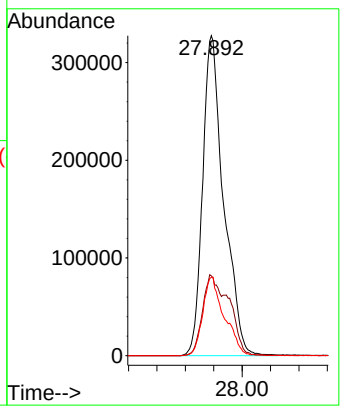


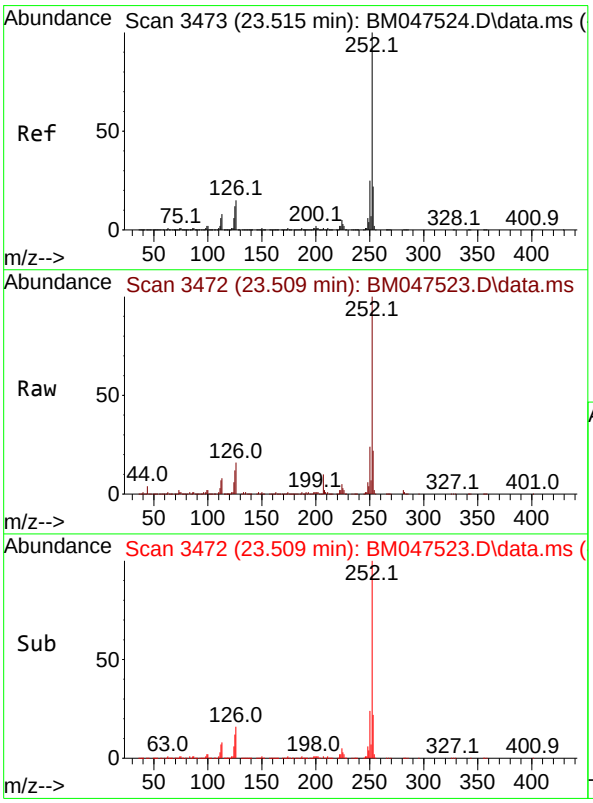
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.253 ng
RT: 27.892 min Scan# 4
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1688895

Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.0	37.6
277	25.1	20.1	30.1

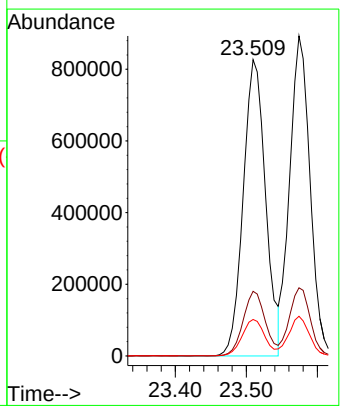


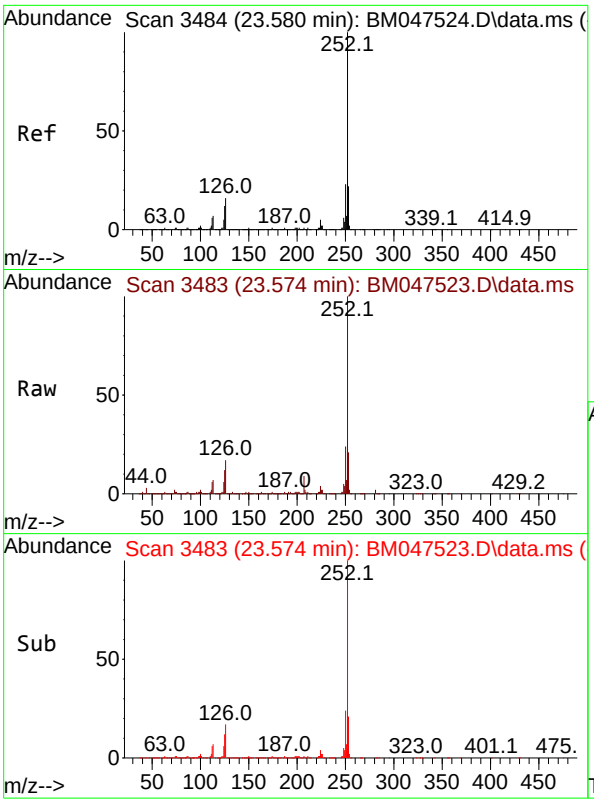


#88
Benzo(b)fluoranthene
Concen: 19.105 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:252 Resp: 1811874

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	12.3	9.5	14.3



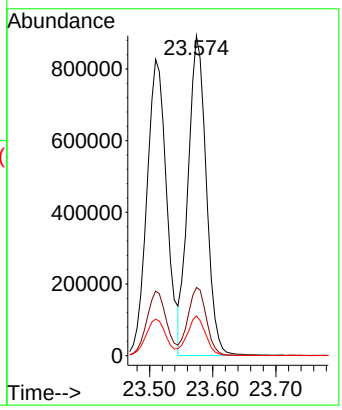


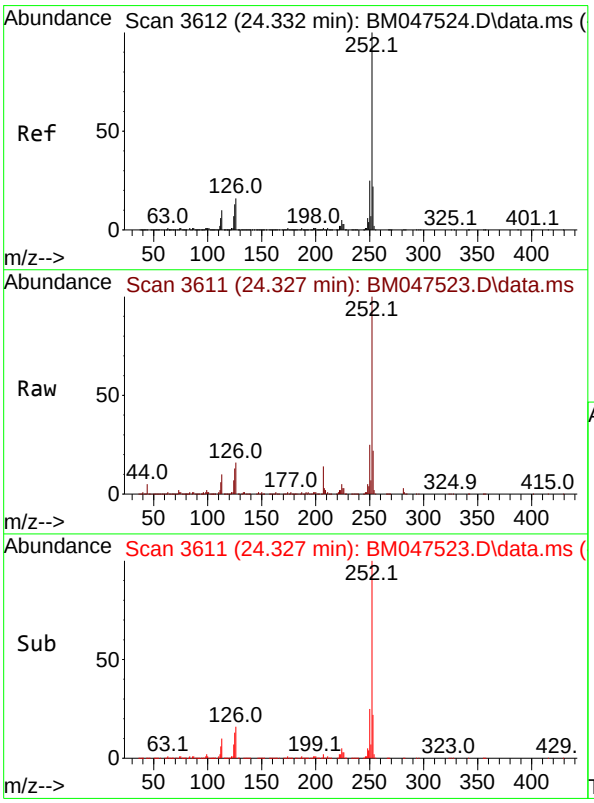
#89
Benzo(k)fluoranthene
Concen: 18.895 ng
RT: 23.574 min Scan# 34
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1775972

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	12.4	9.5	14.3

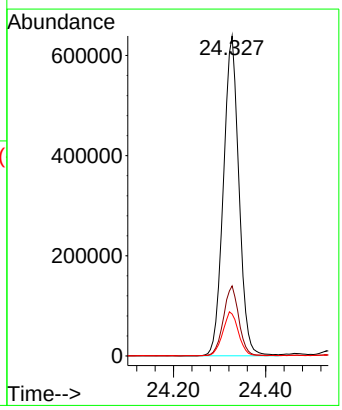


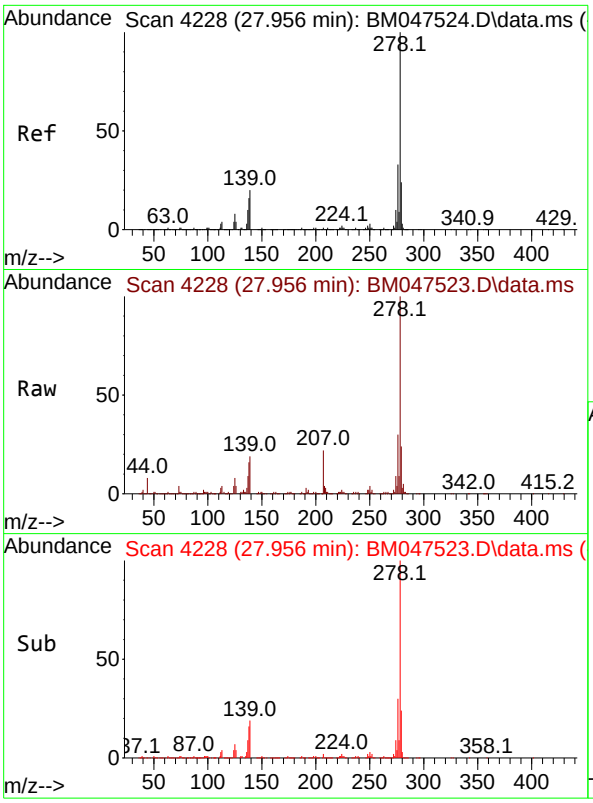


#90
Benzo(a)pyrene
Concen: 19.198 ng
RT: 24.327 min Scan# 3611
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:252 Resp: 1492255

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	13.1	10.2	15.4



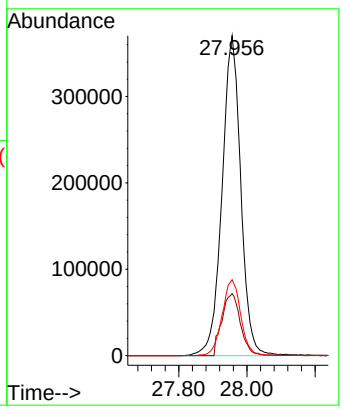


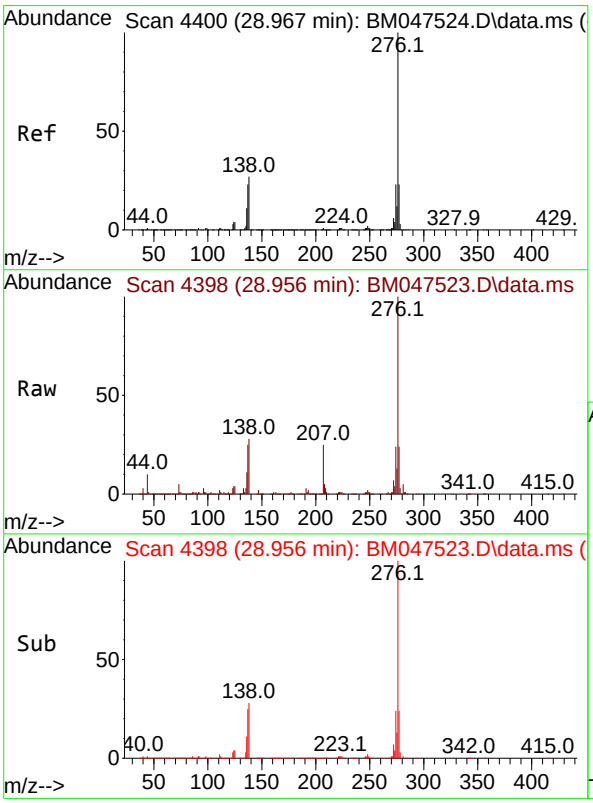
#91
Dibenzo(a,h)anthracene
Concen: 19.153 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1413538

Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.9	23.9
279	23.8	19.3	28.9

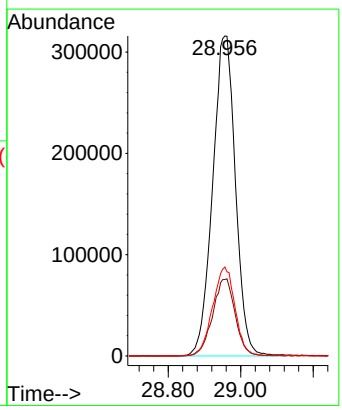




#92
Benzo(g,h,i)perylene
Concen: 19.119 ng
RT: 28.956 min Scan# 4398
Delta R.T. -0.011 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:276 Resp: 1378333

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	27.8	21.5	32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	365126	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1618219	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	947755	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1792326	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1627798	20.000	ng	0.00
86) Perylene-d12	24.468	264	1308860	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1816554	79.215	ng	0.00
7) Phenol-d6	7.010	99	2621910	81.187	ng	0.00
23) Nitrobenzene-d5	9.004	82	2627381	81.256	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	767403	83.770	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	5743669	83.482	ng	0.00
79) Terphenyl-d14	19.833	244	8178683	90.034	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	379485	38.636	ng	100
3) Pyridine	3.716	79	1158883m	39.648	ng	
4) n-Nitrosodimethylamine	3.628	42	533341	40.206	ng	100
6) Aniline	7.175	93	1158194	40.452	ng	100
8) 2-Chlorophenol	7.416	128	1018620	40.294	ng	100
9) Benzaldehyde	6.987	77	610922	39.784	ng	100
10) Phenol	7.034	94	1300688	40.224	ng	100
11) bis(2-Chloroethyl)ether	7.275	93	1035289	39.880	ng	100
12) 1,3-Dichlorobenzene	7.739	146	1097467	39.662	ng	100
13) 1,4-Dichlorobenzene	7.886	146	1115218	39.570	ng	100
14) 1,2-Dichlorobenzene	8.204	146	1100793	39.688	ng	100
15) Benzyl Alcohol	8.086	79	899897	41.137	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.381	45	1467240	40.178	ng	100
17) 2-Methylphenol	8.286	107	847590	41.031	ng	100
18) Hexachloroethane	8.939	117	448954	39.876	ng	100
19) n-Nitroso-di-n-propyla...	8.657	70	908407	41.720	ng	100
20) 3+4-Methylphenols	8.616	107	1177936	40.867	ng	100
22) Acetophenone	8.669	105	1704805	40.072	ng	100
24) Nitrobenzene	9.045	77	1336633	40.229	ng	100
25) Isophorone	9.575	82	2301793	40.492	ng	100
26) 2-Nitrophenol	9.757	139	475675	42.013	ng	100
27) 2,4-Dimethylphenol	9.816	122	678795	39.549	ng	100
28) bis(2-Chloroethoxy)met...	10.057	93	1425885	39.933	ng	100
29) 2,4-Dichlorophenol	10.292	162	890582	40.842	ng	100
30) 1,2,4-Trichlorobenzene	10.510	180	978634	39.180	ng	100
31) Naphthalene	10.698	128	3484796	39.874	ng	100
32) Benzoic acid	9.951	122	621554	38.270	ng	100
33) 4-Chloroaniline	10.798	127	1271819	40.249	ng	100
34) Hexachlorobutadiene	10.992	225	548156	39.622	ng	100
35) Caprolactam	11.574	113	301774	42.014	ng	100
36) 4-Chloro-3-methylphenol	11.922	107	1029746	41.207	ng	100
37) 2-Methylnaphthalene	12.310	142	2350065	40.402	ng	100
38) 1-Methylnaphthalene	12.527	142	2315698	40.060	ng	100
40) 1,2,4,5-Tetrachloroben...	12.674	216	1037544	40.457	ng	100
41) Hexachlorocyclopentadiene	12.663	237	346149	41.288	ng	100
43) 2,4,6-Trichlorophenol	12.910	196	663467	41.294	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	749195	41.284	ng	100
46) 1,1'-Biphenyl	13.316	154	2977591	40.379	ng	100
47) 2-Chloronaphthalene	13.357	162	2309174	40.329	ng	100
48) 2-Nitroaniline	13.551	65	711905	42.331	ng	100
49) Acenaphthylene	14.204	152	3389381	41.020	ng	100
50) Dimethylphthalate	13.939	163	2601271	40.269	ng	100
51) 2,6-Dinitrotoluene	14.051	165	562396	41.241	ng	100
52) Acenaphthene	14.545	154	2363816	40.830	ng	100
53) 3-Nitroaniline	14.374	138	636300	41.980	ng	100
54) 2,4-Dinitrophenol	14.574	184	242408	40.526	ng	100
55) Dibenzofuran	14.880	168	3286806	40.401	ng	100
56) 4-Nitrophenol	14.674	139	533596	42.781	ng	100
57) 2,4-Dinitrotoluene	14.833	165	772430	42.471	ng	100
58) Fluorene	15.527	166	3089638	42.182	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.104	232	580263	41.011	ng	100
60) Diethylphthalate	15.304	149	2809721	40.869	ng	100
61) 4-Chlorophenyl-phenyle...	15.521	204	1409661	42.091	ng	100
62) 4-Nitroaniline	15.533	138	795712	44.661	ng	100
63) Azobenzene	15.815	77	3134877	41.412	ng	100
65) 4,6-Dinitro-2-methylph...	15.592	198	327400	37.677	ng	100
66) n-Nitrosodiphenylamine	15.733	169	2266693	41.340	ng	100
67) 4-Bromophenyl-phenylether	16.409	248	705864	40.531	ng	100
68) Hexachlorobenzene	16.527	284	796111	40.352	ng	100
69) Atrazine	16.680	200	638553	42.135	ng	100
70) Pentachlorophenol	16.862	266	486319	42.523	ng	100
71) Phenanthrene	17.256	178	4065837	41.163	ng	100
72) Anthracene	17.351	178	3956786	41.695	ng	100
73) Carbazole	17.609	167	3906452	41.537	ng	100
74) Di-n-butylphthalate	18.186	149	4803649	42.689	ng	100
75) Fluoranthene	19.268	202	4593392	42.622	ng	100
77) Benzidine	19.445	184	825167	35.993	ng	100
78) Pyrene	19.627	202	4862723	40.954	ng	100
80) Butylbenzylphthalate	20.527	149	1915535	41.908	ng	100
81) Benzo(a)anthracene	21.421	228	4338226	40.888	ng	100
82) 3,3'-Dichlorobenzidine	21.344	252	1177624	41.724	ng	100
83) Chrysene	21.486	228	4082724	40.682	ng	100
84) Bis(2-ethylhexyl)phtha...	21.362	149	3022758	42.216	ng	100
85) Di-n-octyl phthalate	22.509	149	4236094	41.825	ng	100
87) Indeno(1,2,3-cd)pyrene	27.897	276	3099824	39.575	ng	100
88) Benzo(b)fluoranthene	23.515	252	3507877	41.423	ng	100
89) Benzo(k)fluoranthene	23.580	252	3570213	42.538	ng	100
90) Benzo(a)pyrene	24.332	252	2875521	41.429	ng	100
91) Dibenzo(a,h)anthracene	27.956	278	2601274	39.472	ng	100
92) Benzo(g,h,i)perylene	28.967	276	2535092	39.380	ng	100

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

ICAL Form

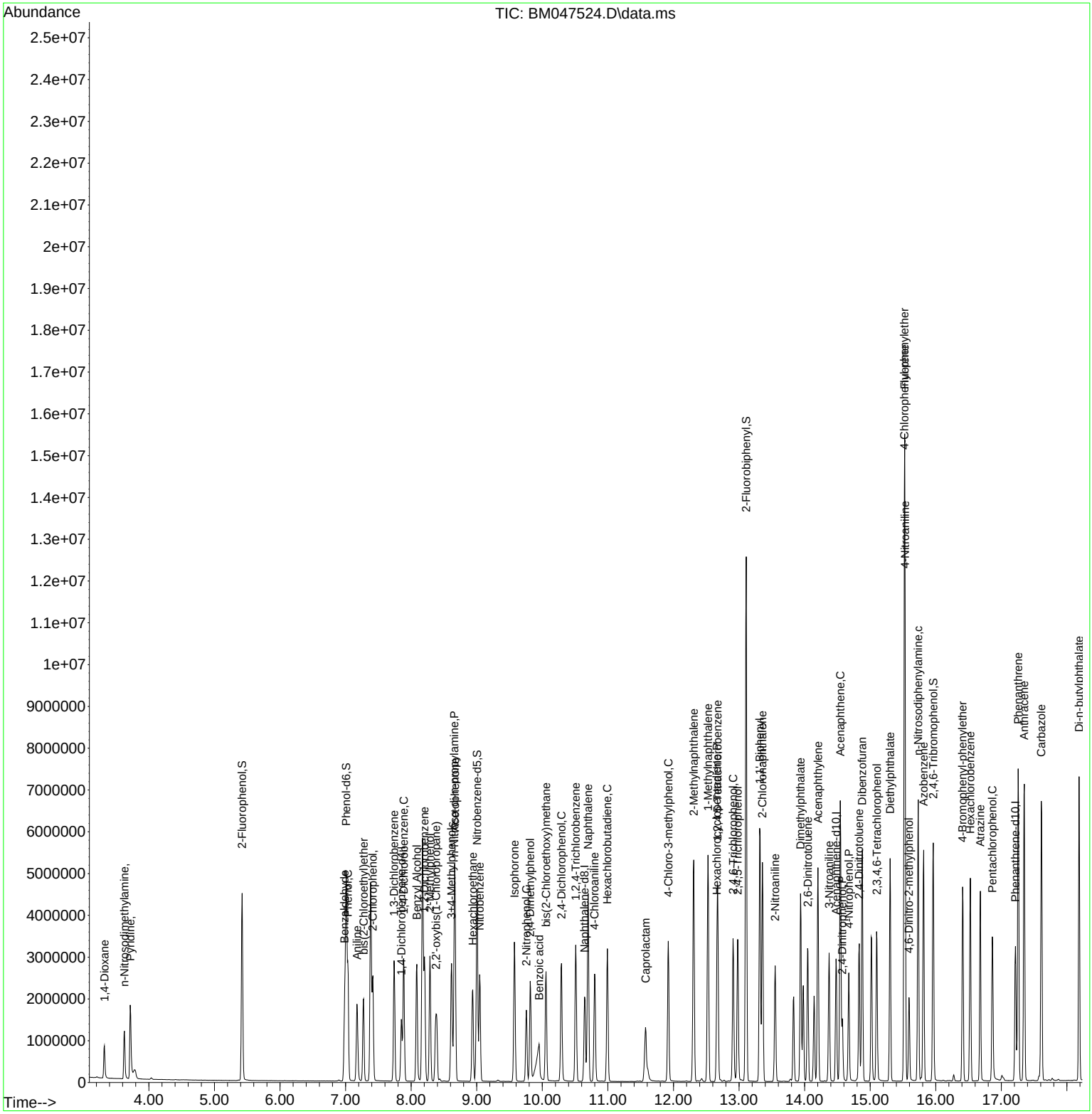
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
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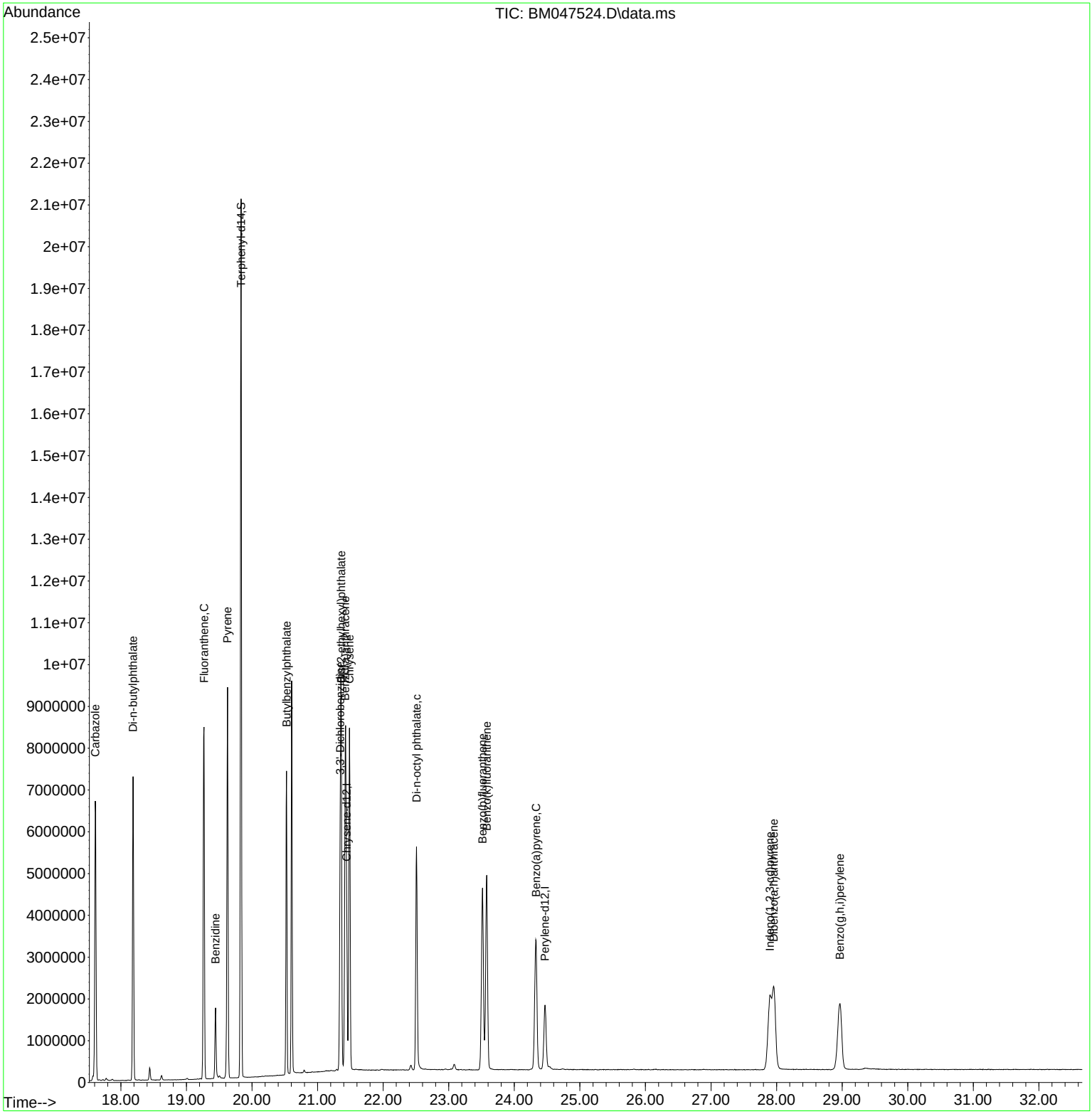
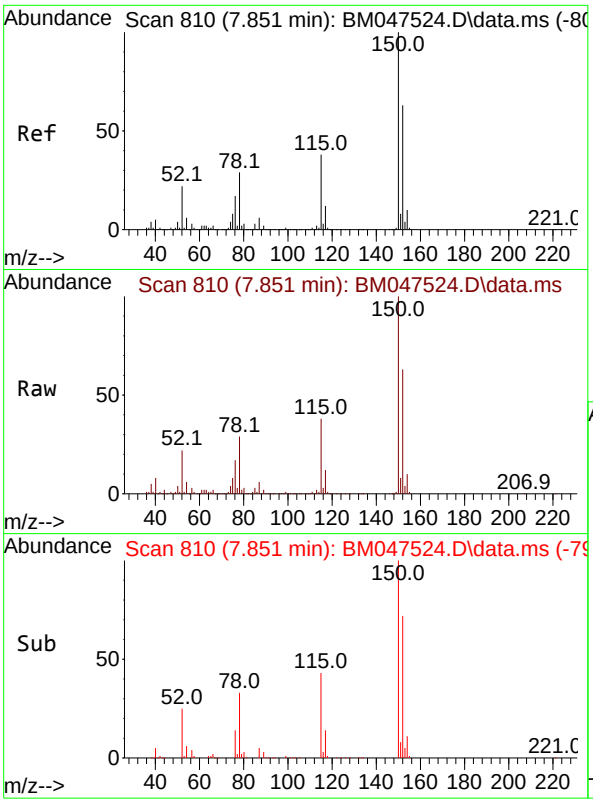
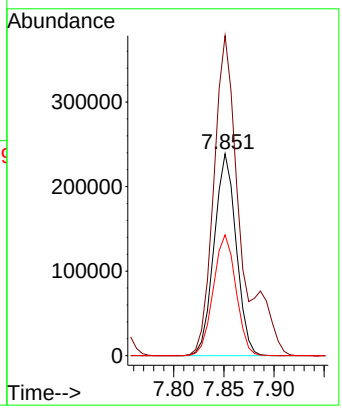




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:152 Resp: 36512

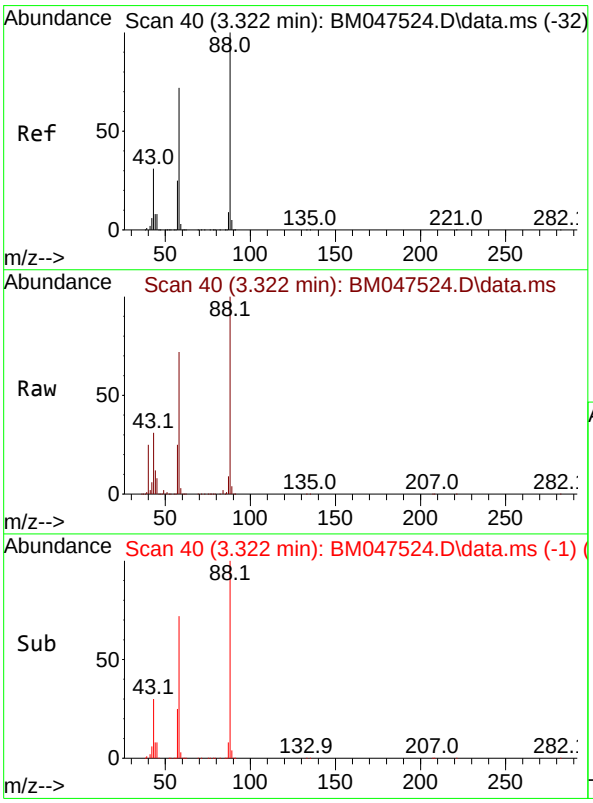
Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.8	190.2
115	59.8	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

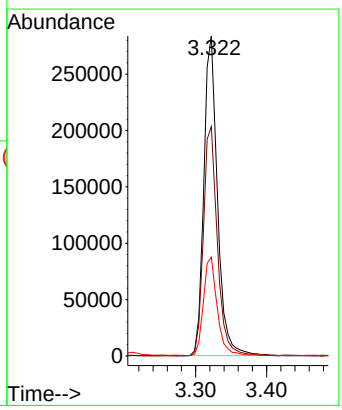
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

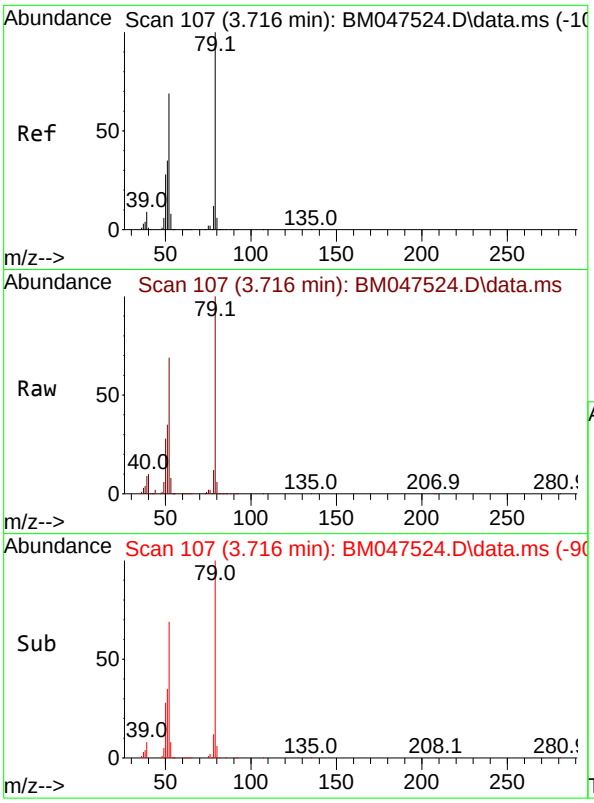


#2
1,4-Dioxane
Concen: 38.636 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 88 Resp: 379485

Ion	Ratio	Lower	Upper
88	100		
58	73.8	59.0	88.6
43	31.2	25.0	37.4

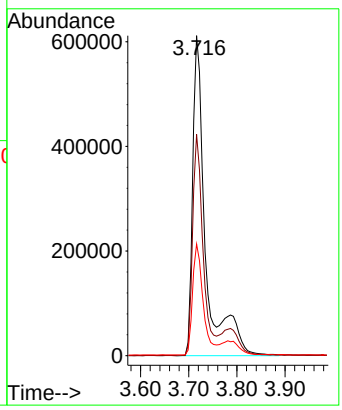




#3
Pyridine
Concen: 39.648 ng m
RT: 3.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 79 Resp: 115888

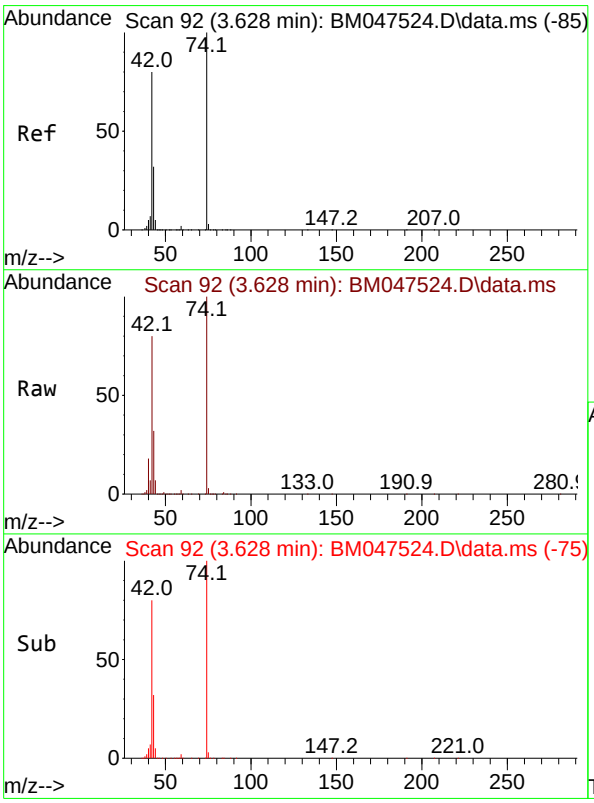
Ion	Ratio	Lower	Upper
79	100		
52	69.2	55.4	83.0
51	34.9	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

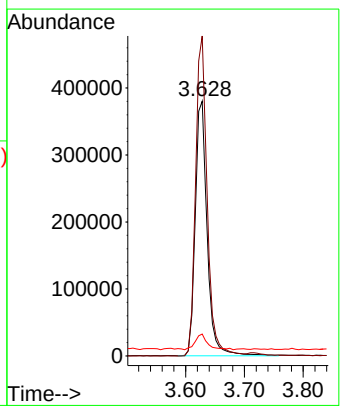
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

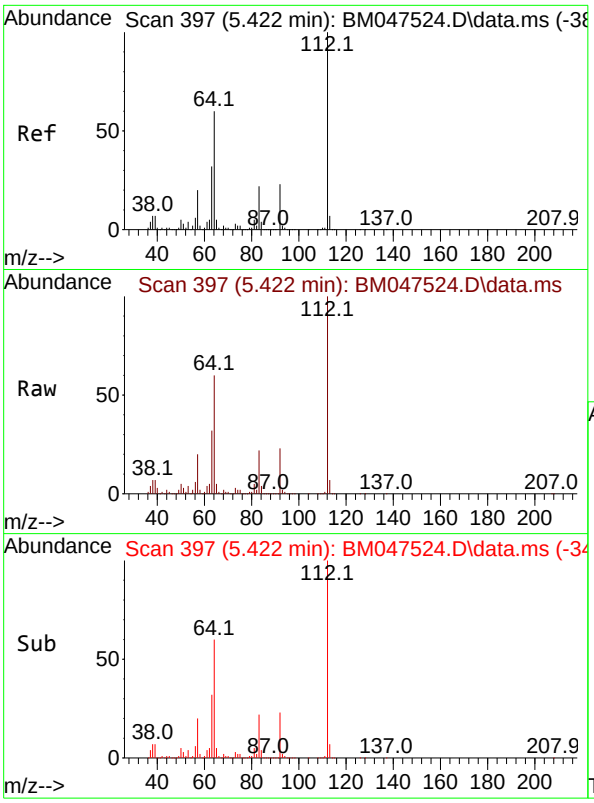


#4
n-Nitrosodimethylamine
Concen: 40.206 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 42 Resp: 533341

Ion	Ratio	Lower	Upper
42	100		
74	125.6	100.5	150.7
44	8.6	6.9	10.3

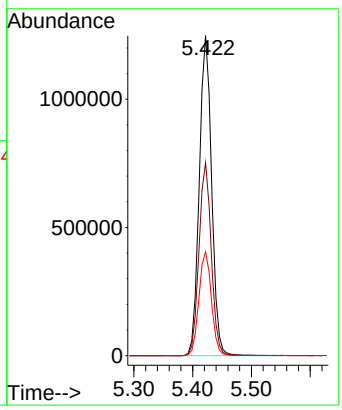




#5
2-Fluorophenol
Concen: 79.215 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:112 Resp: 181655

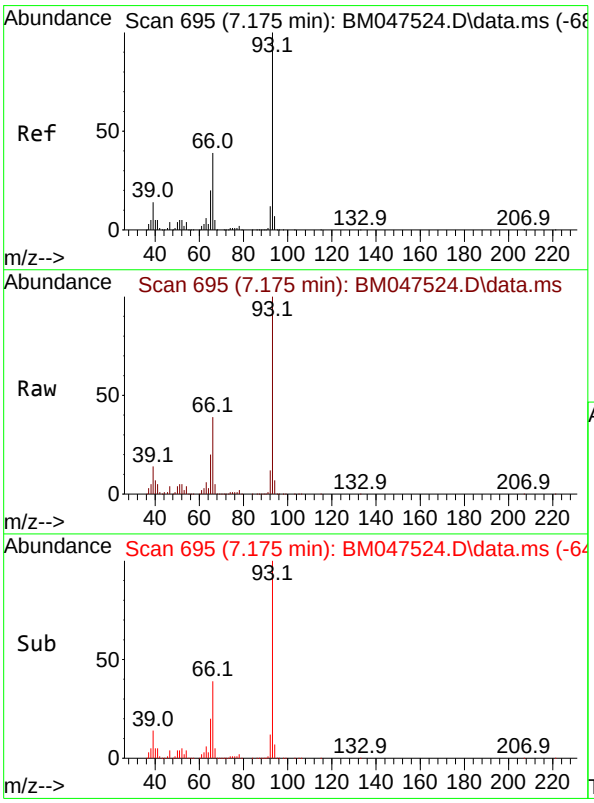
Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.2	72.4
63	32.5	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

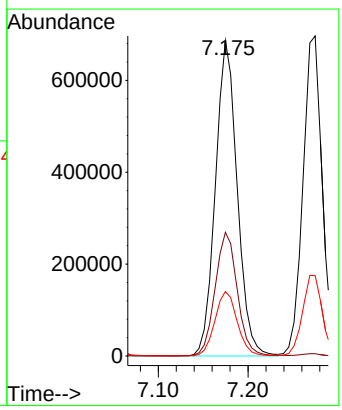
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

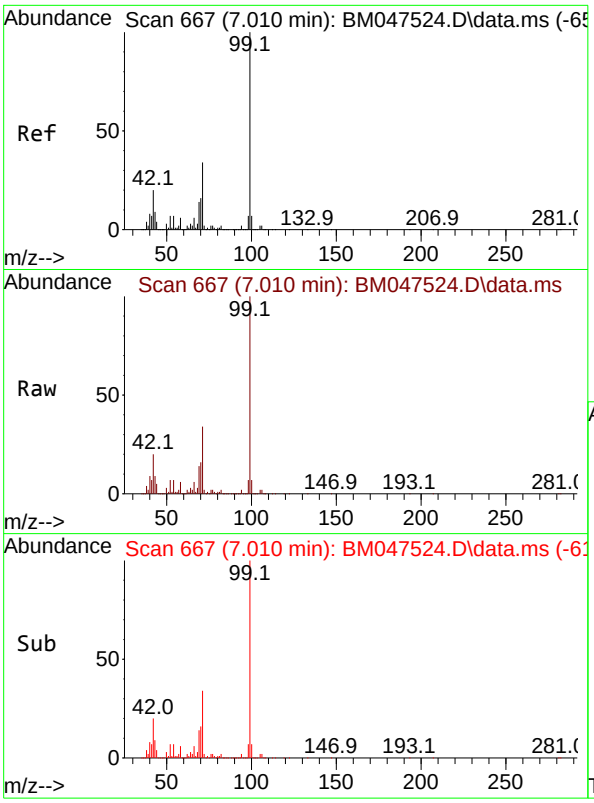


#6
Aniline
Concen: 40.452 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 93 Resp: 1158194

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.4	47.0
65	20.4	16.3	24.5

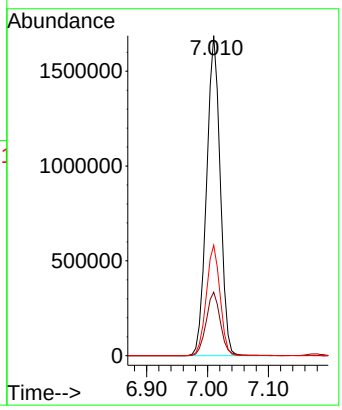




#7
Phenol-d6
Concen: 81.187 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 99 Resp: 262191(

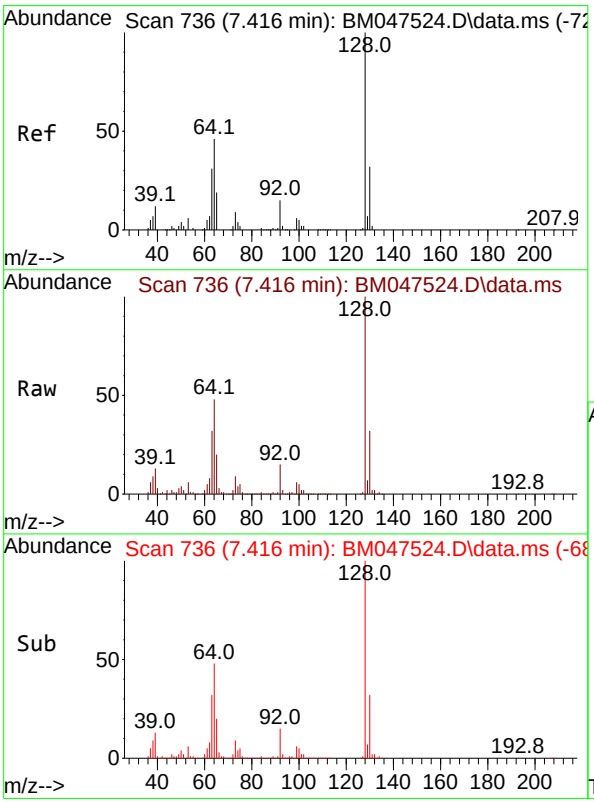
Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.8	23.8
71	34.5	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

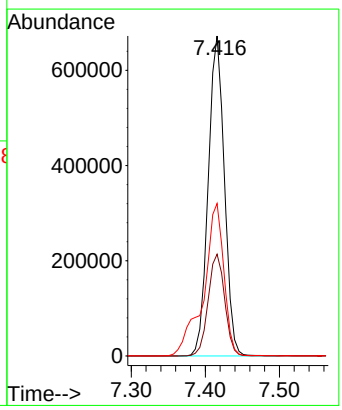
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

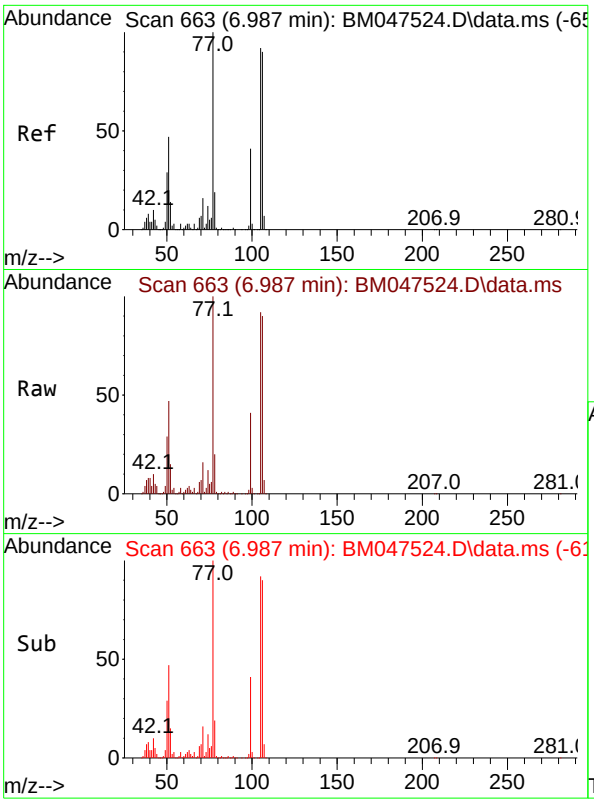


#8
2-Chlorophenol
Concen: 40.294 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:128 Resp: 1018620

Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.8	51.8
64	47.6	27.6	67.6

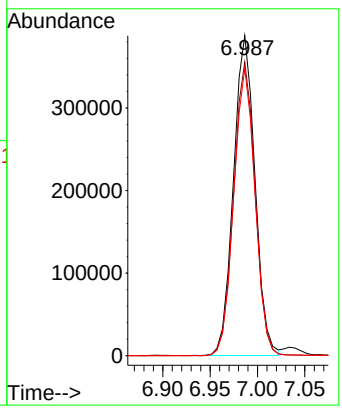




#9
Benzaldehyde
Concen: 39.784 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 77 Resp: 61092

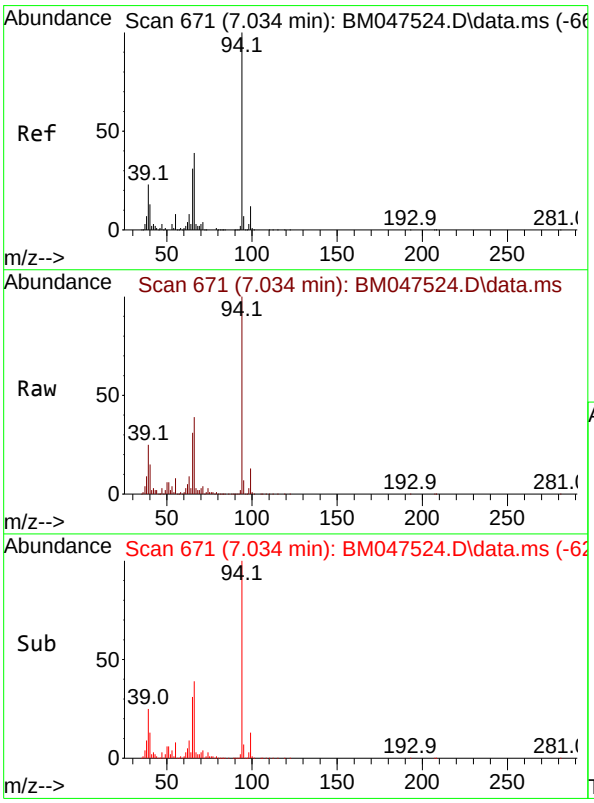
Ion	Ratio	Lower	Upper
77	100		
105	91.8	71.8	111.8
106	89.7	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

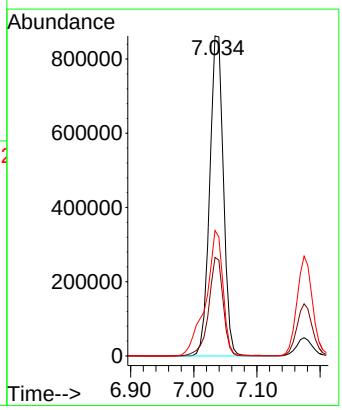
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

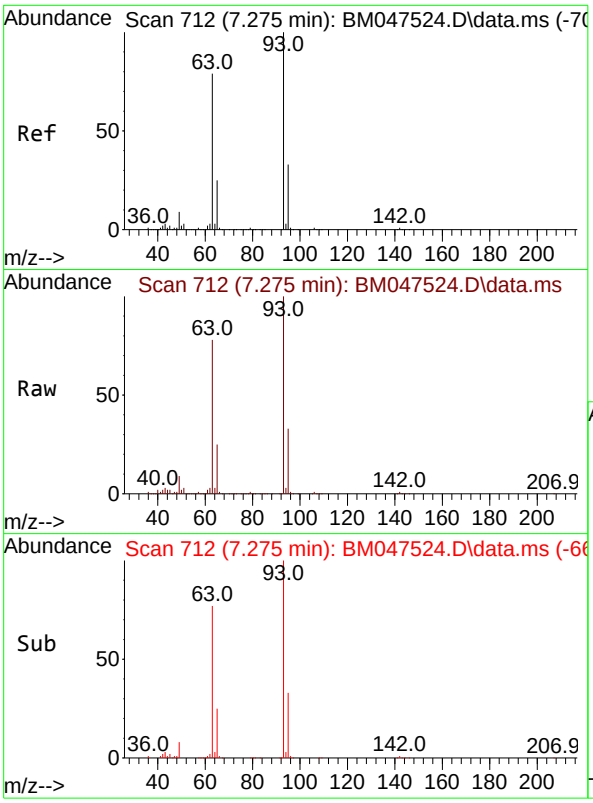


#10
Phenol
Concen: 40.224 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 94 Resp: 1300688

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	39.2	19.2	59.2

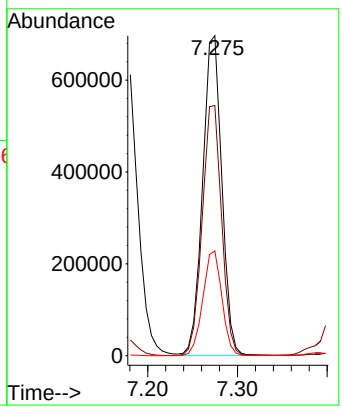




#11
bis(2-Chloroethyl)ether
Concen: 39.880 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 93 Resp: 103528

Ion	Ratio	Lower	Upper
93	100		
63	78.2	58.2	98.2
95	32.8	12.8	52.8



Instrument :
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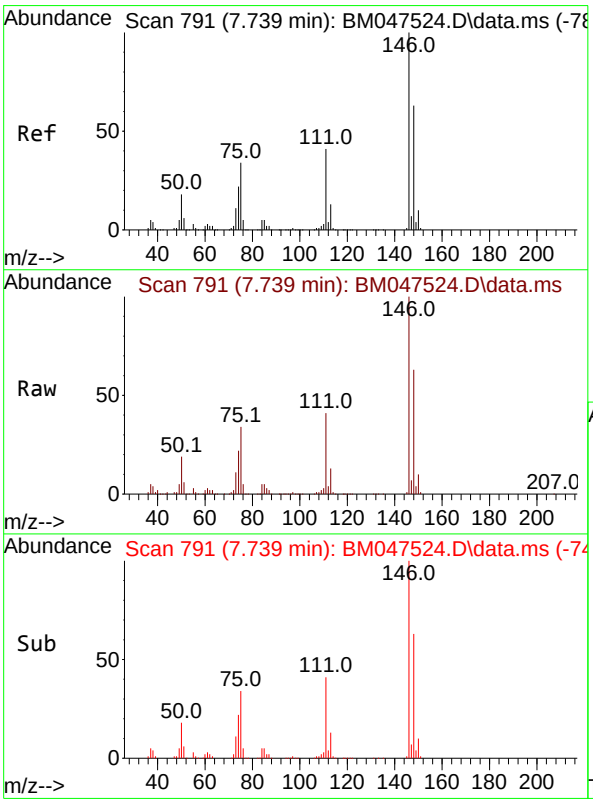
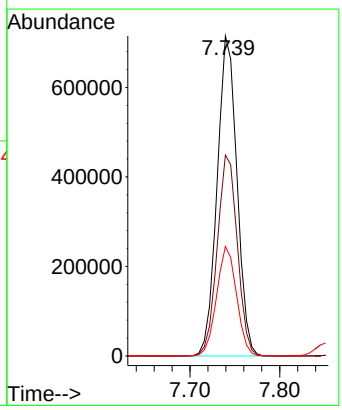
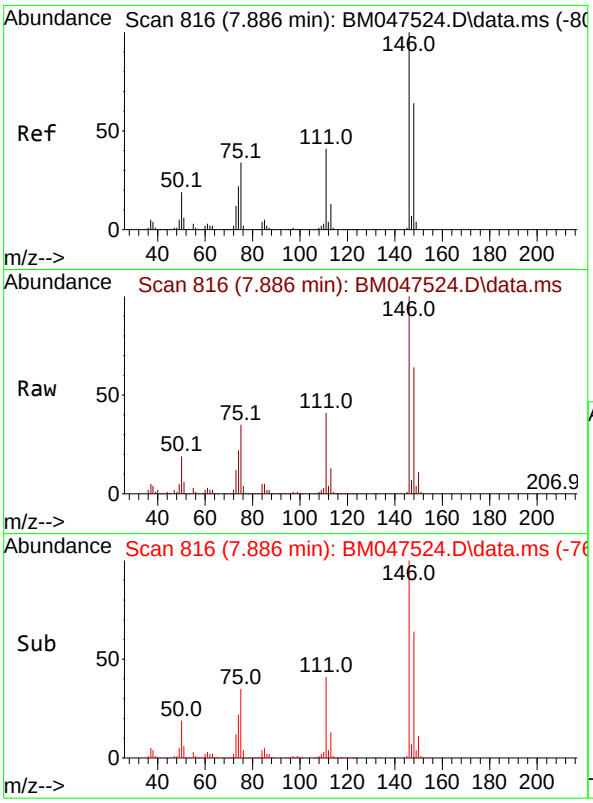


#12
1,3-Dichlorobenzene
Concen: 39.662 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:146 Resp: 1097467

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.2	75.4
75	34.2	27.4	41.0

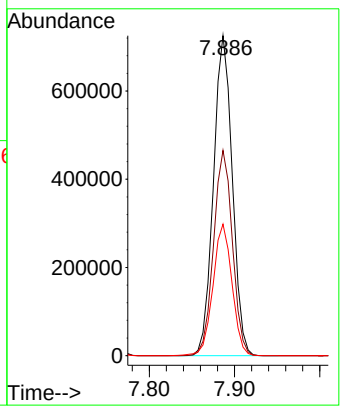




#13
1,4-Dichlorobenzene
Concen: 39.570 ng
RT: 7.886 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:146 Resp: 111521

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	41.1	32.9	49.3



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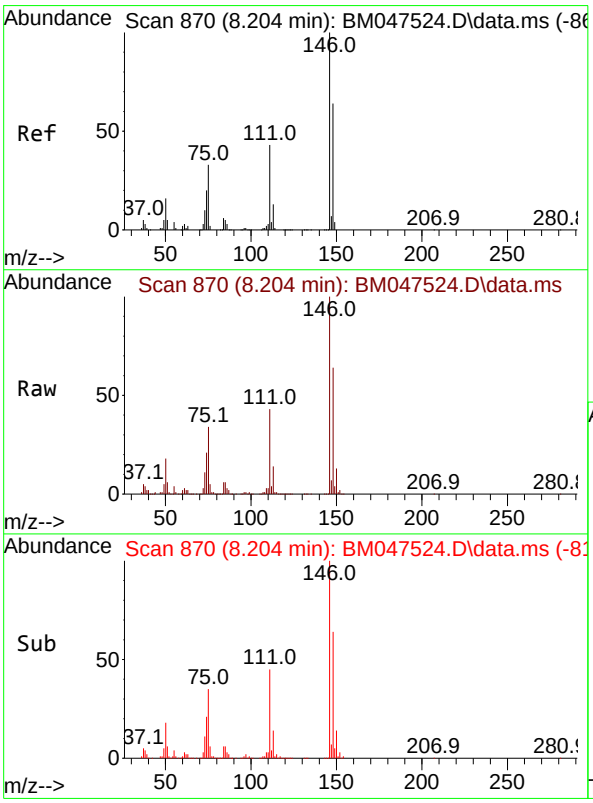
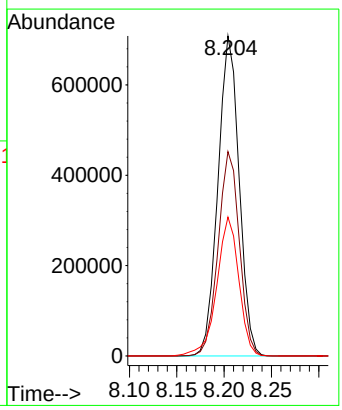
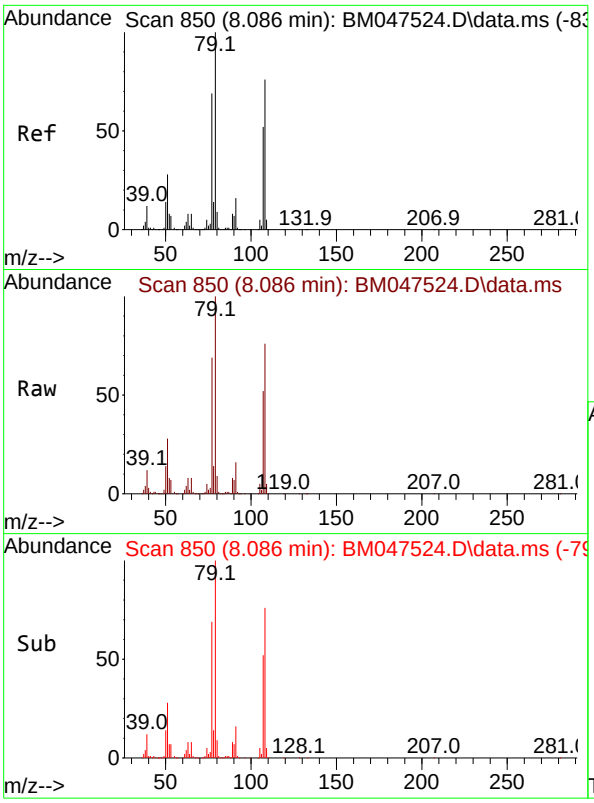


#14
1,2-Dichlorobenzene
Concen: 39.688 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:146 Resp: 1100793

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	43.4	34.7	52.1

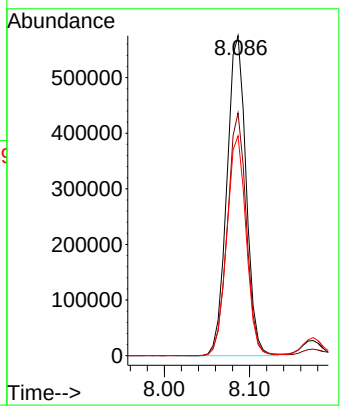




#15
Benzyl Alcohol
Concen: 41.137 ng
RT: 8.086 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 79 Resp: 89989

Ion	Ratio	Lower	Upper
79	100		
108	75.8	60.6	91.0
77	68.7	55.0	82.4



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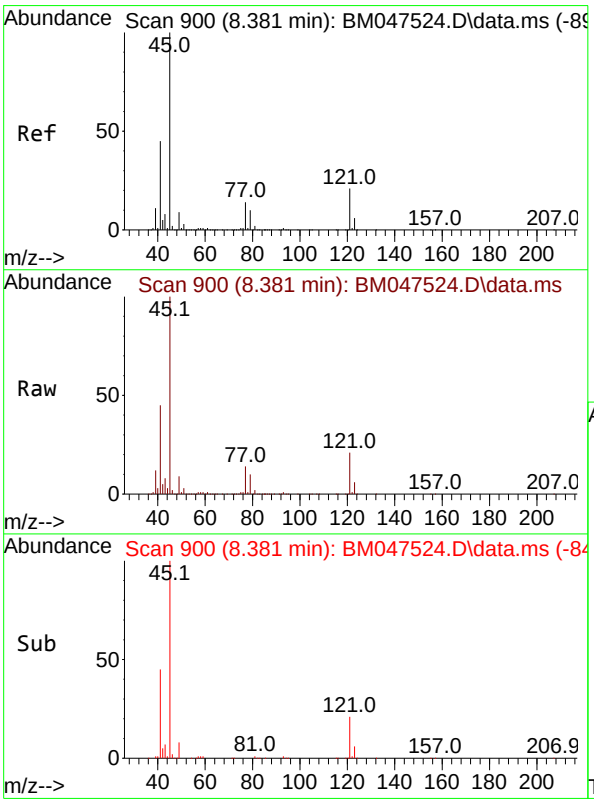
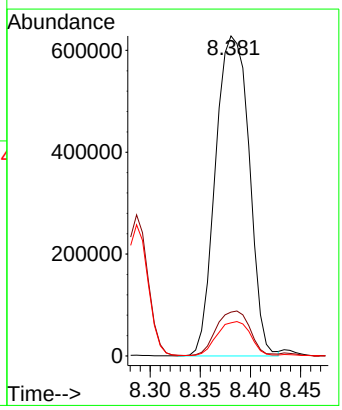
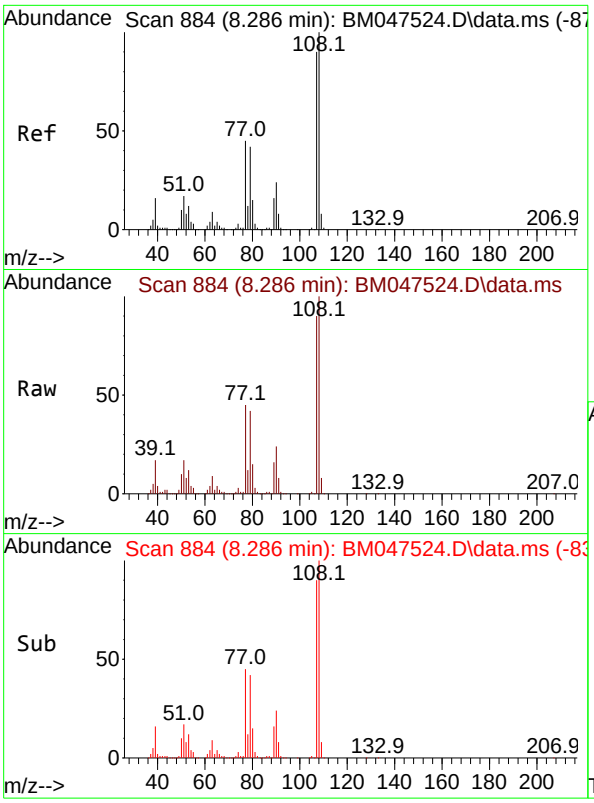


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.178 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 45 Resp: 1467240

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.7
79	10.3	0.0	30.3

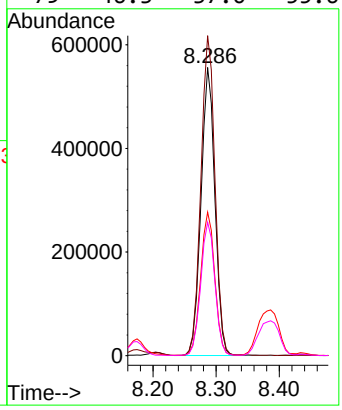




#17
2-Methylphenol
Concen: 41.031 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:107 Resp: 84759

Ion	Ratio	Lower	Upper
107	100		
108	111.1	88.9	133.3
77	49.8	39.8	59.8
79	46.3	37.0	55.6



Instrument :
BNA_M
ClientSampleId :
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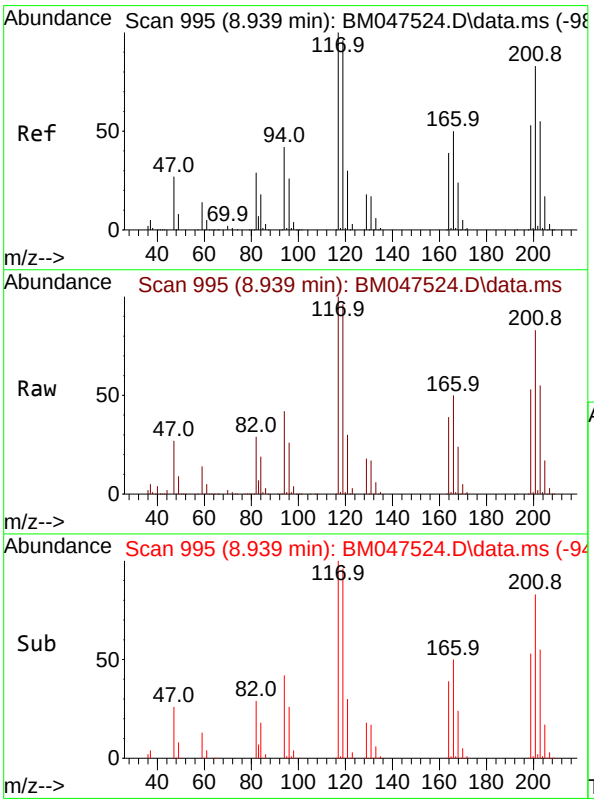
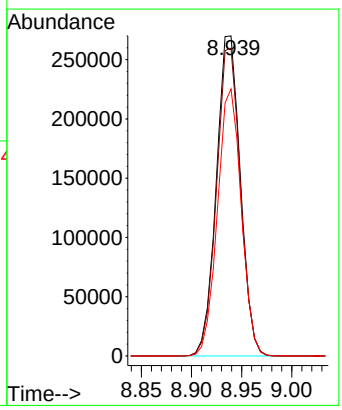
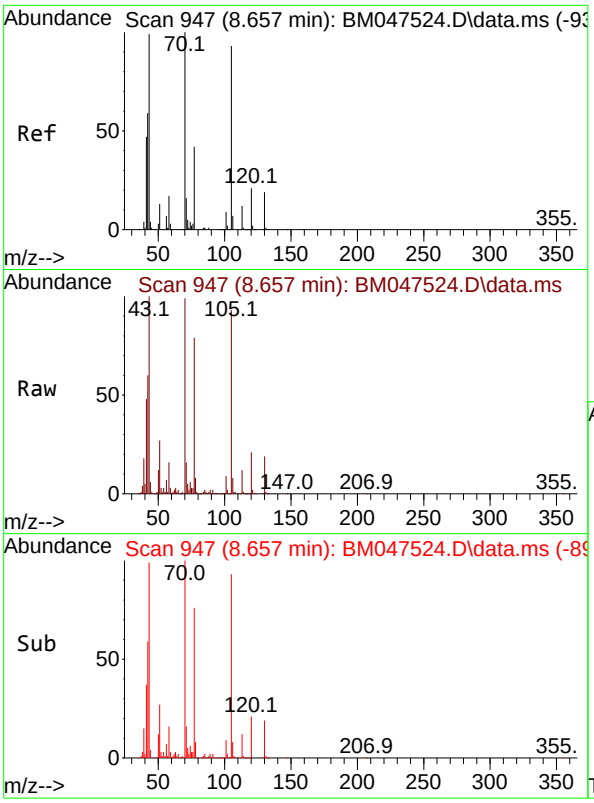


#18
Hexachloroethane
Concen: 39.876 ng
RT: 8.939 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:117 Resp: 448954

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
201	83.5	66.8	100.2

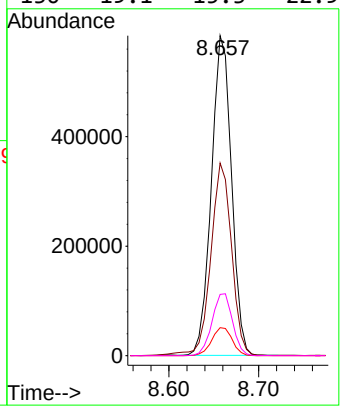




#19
n-Nitroso-di-n-propylamine
Concen: 41.720 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 70 Resp: 90840

Ion	Ratio	Lower	Upper
70	100		
42	60.2	48.2	72.2
101	8.7	7.0	10.4
130	19.1	15.3	22.9



Instrument :
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ClientSampleId :
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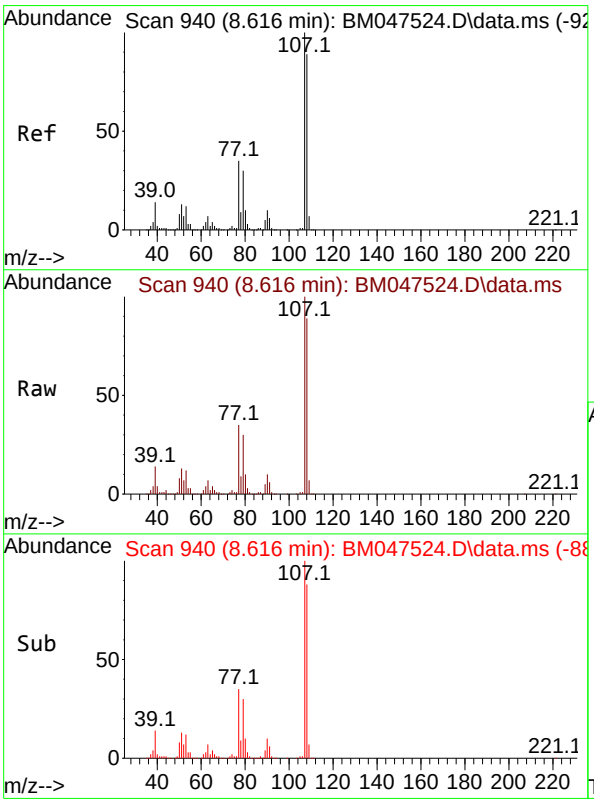
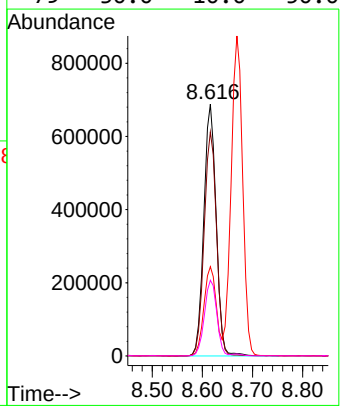
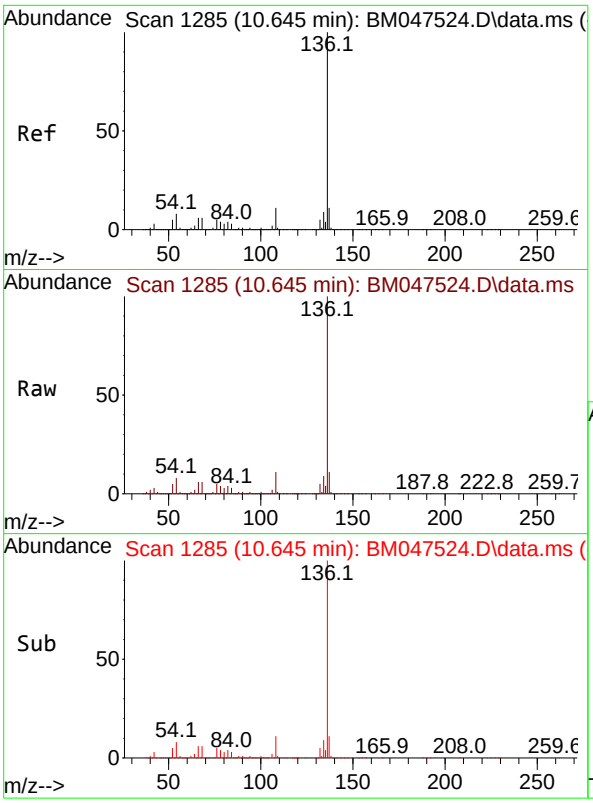


#20
3+4-Methylphenols
Concen: 40.867 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:107 Resp: 1177936

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.9	108.9
77	35.5	15.5	55.5
79	30.0	10.0	50.0

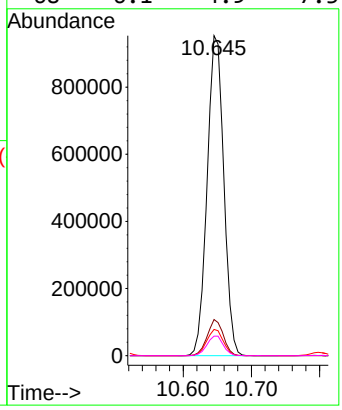




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:136 Resp: 161821

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	8.2	6.6	9.8
68	6.1	4.9	7.3



Instrument :
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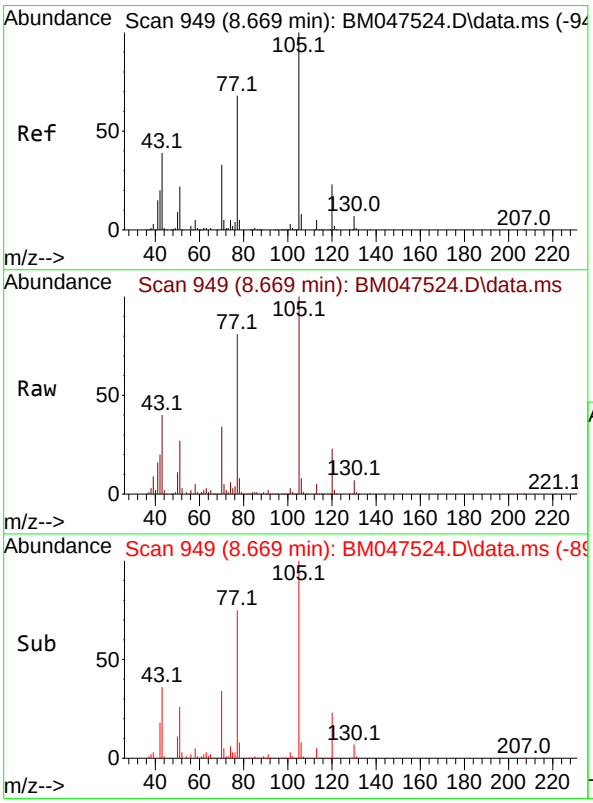
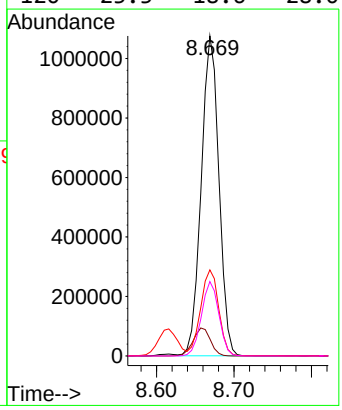
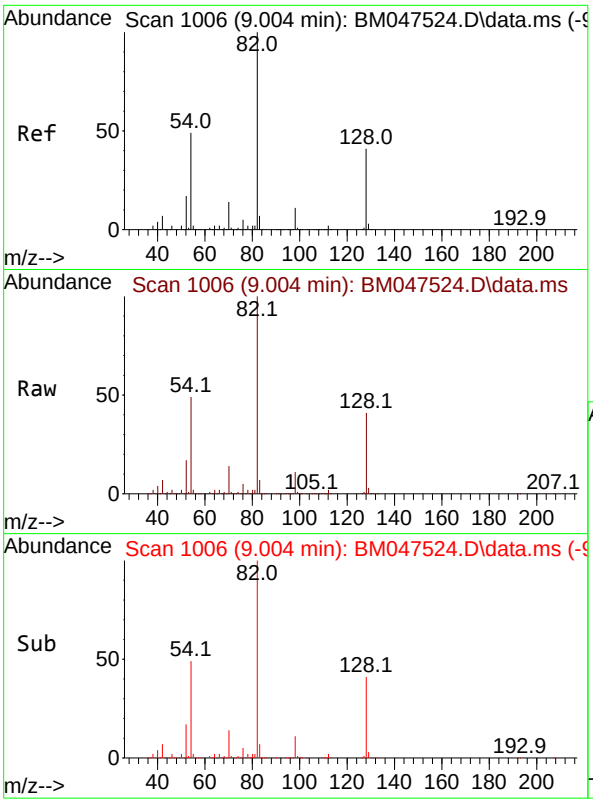


#22
Acetophenone
Concen: 40.072 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:105 Resp: 1704805

Ion	Ratio	Lower	Upper
105	100		
71	5.4	4.3	6.5
51	26.9	21.5	32.3
120	23.3	18.6	28.0





#23
Nitrobenzene-d5
Concen: 81.256 ng
RT: 9.004 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 82 Resp: 262738

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.0	49.4
54	49.1	39.3	58.9

Instrument :
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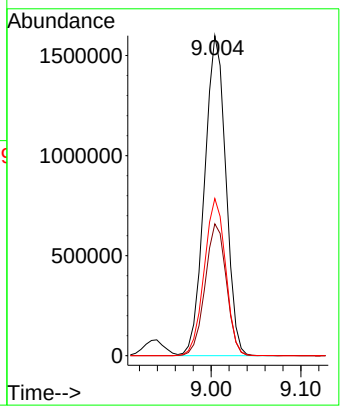
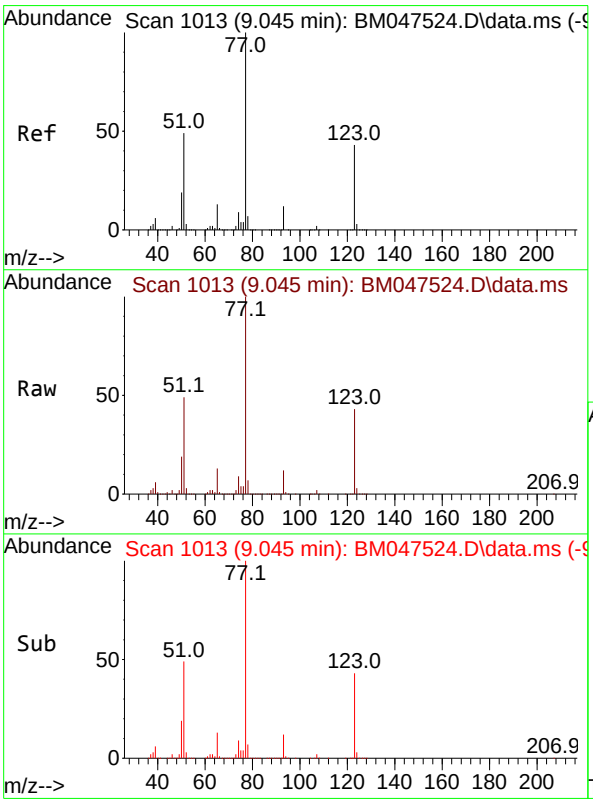
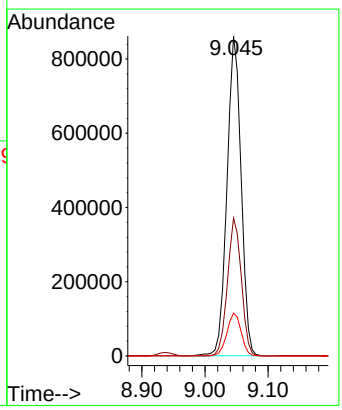


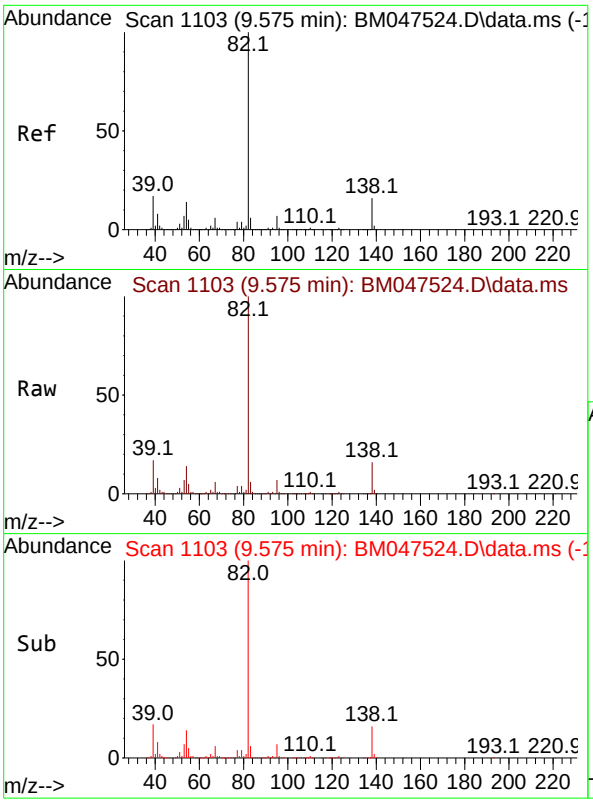


#24
Nitrobenzene
Concen: 40.229 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 77 Resp: 1336633

Ion	Ratio	Lower	Upper
77	100		
123	43.1	34.5	51.7
65	13.4	10.7	16.1

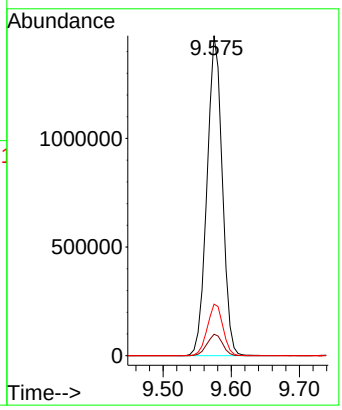




#25
Isophorone
Concen: 40.492 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 82 Resp: 230179

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.0
138	16.1	12.9	19.3



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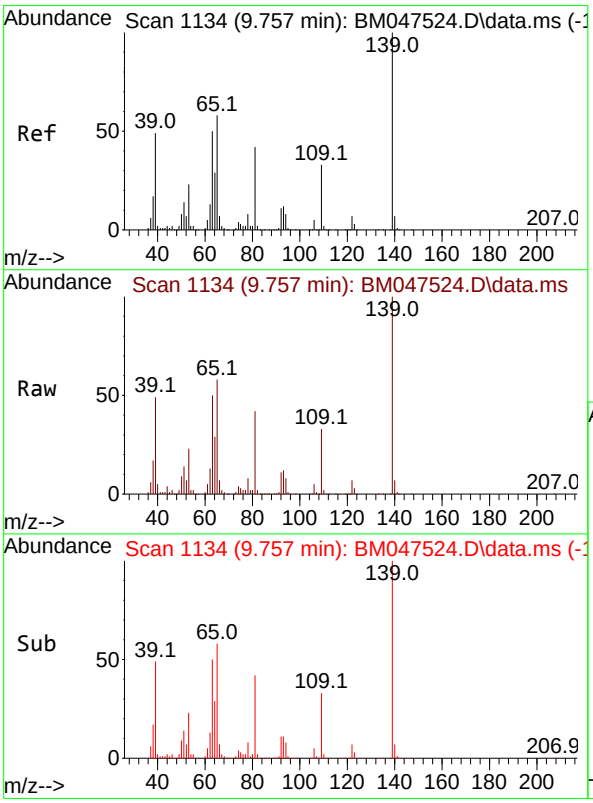
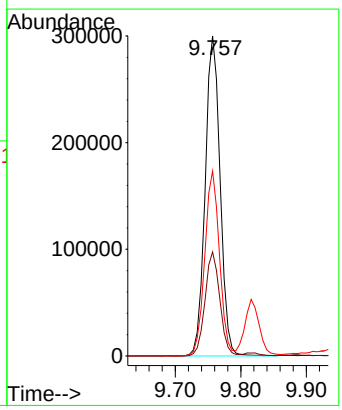
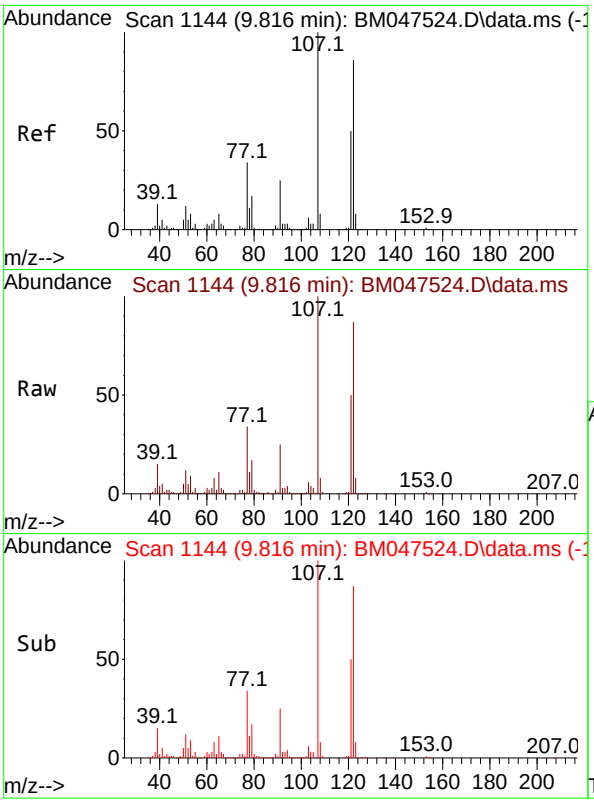


#26
2-Nitrophenol
Concen: 42.013 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:139 Resp: 475675

Ion	Ratio	Lower	Upper
139	100		
109	32.5	26.0	39.0
65	57.8	46.2	69.4

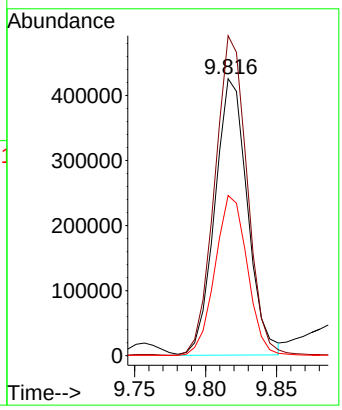




#27
2,4-Dimethylphenol
Concen: 39.549 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:122 Resp: 67879

Ion	Ratio	Lower	Upper
122	100		
107	115.5	92.4	138.6
121	57.8	46.2	69.4



Instrument :
BNA_M
ClientSampleId :
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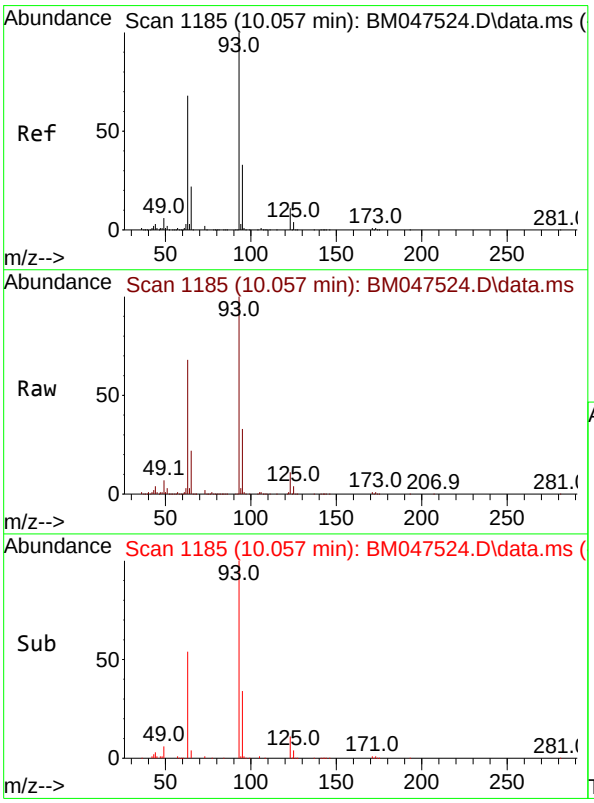
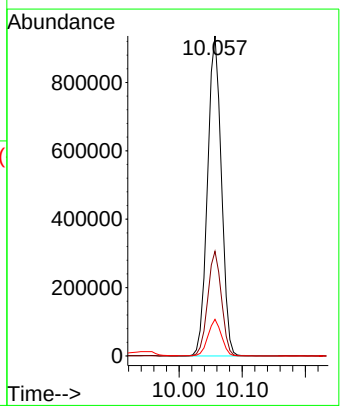
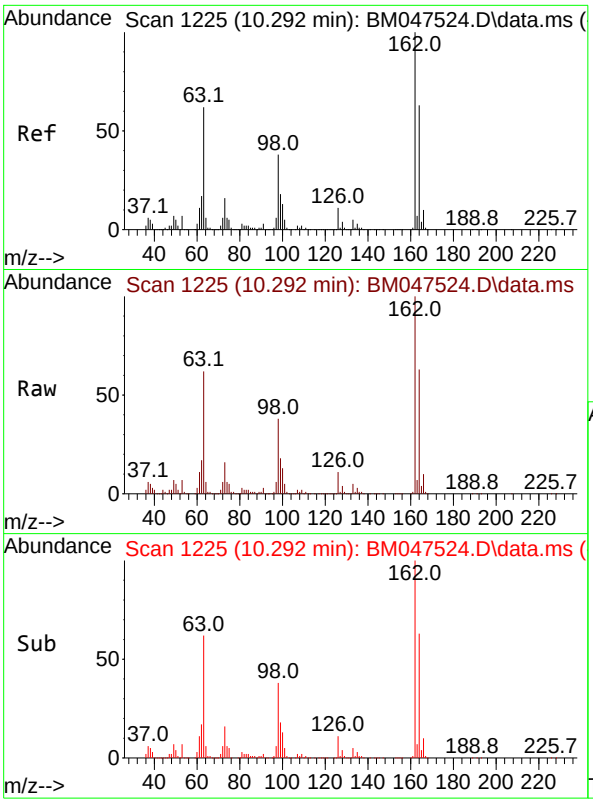


#28
bis(2-Chloroethoxy)methane
Concen: 39.933 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 93 Resp: 1425885

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	11.5	9.2	13.8

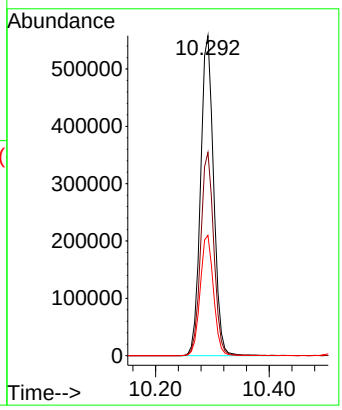




#29
2,4-Dichlorophenol
Concen: 40.842 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:162 Resp: 89058

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.5	83.5
98	37.6	17.6	57.6



Instrument :
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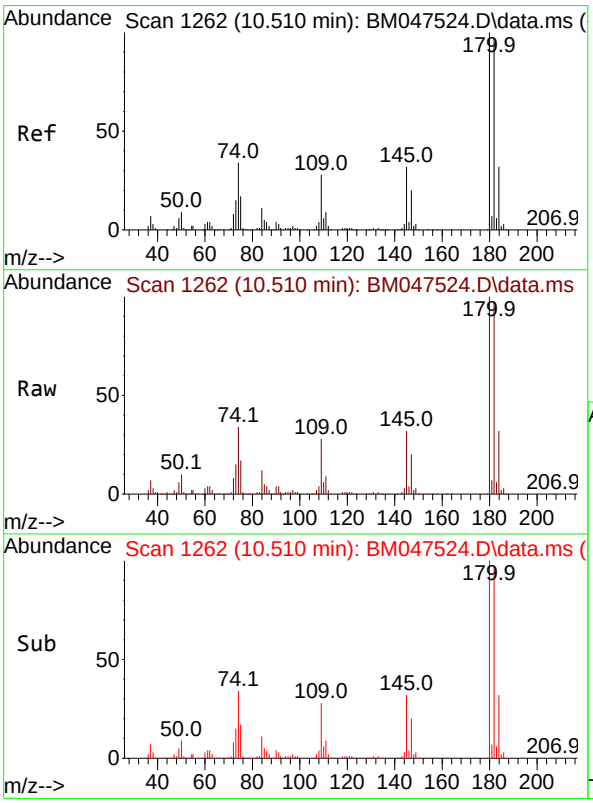
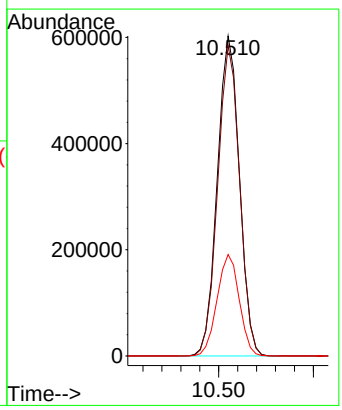
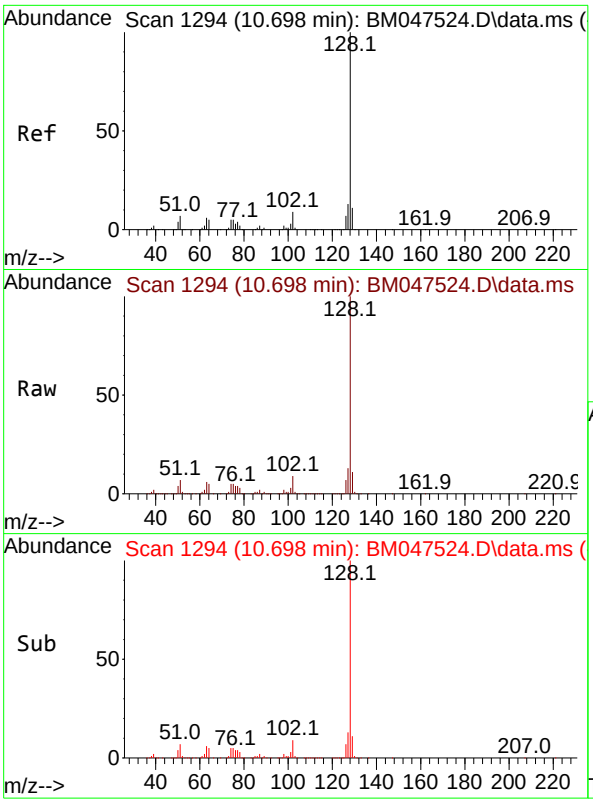


#30
1,2,4-Trichlorobenzene
Concen: 39.180 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:180 Resp: 978634

Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.6	116.4
145	31.7	25.4	38.0

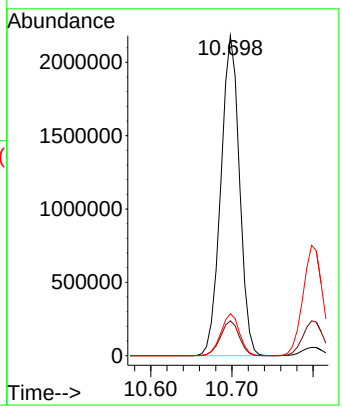




#31
Naphthalene
Concen: 39.874 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:128 Resp: 348479

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.5	15.7



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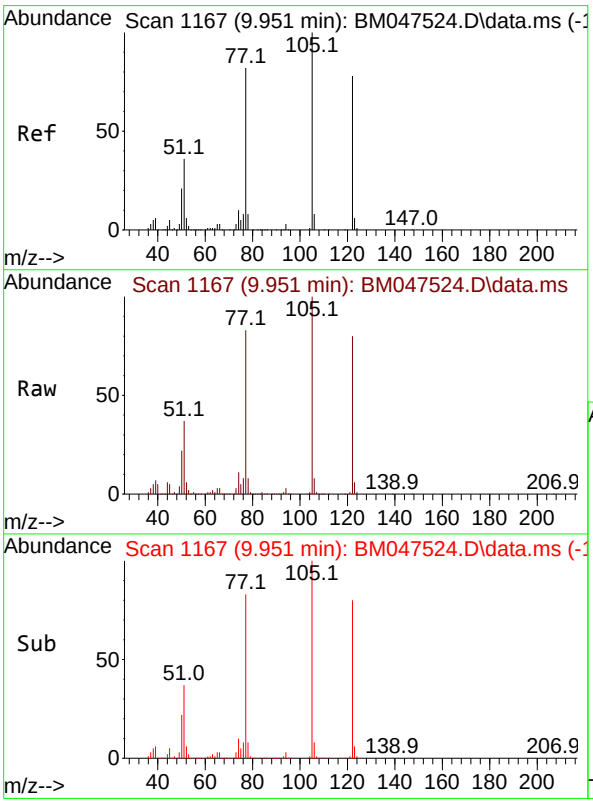
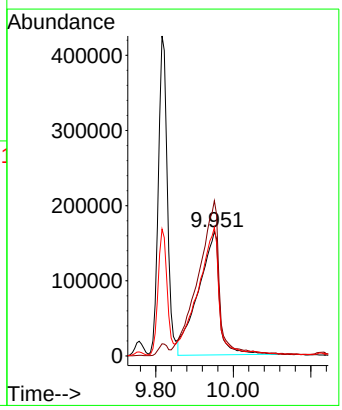
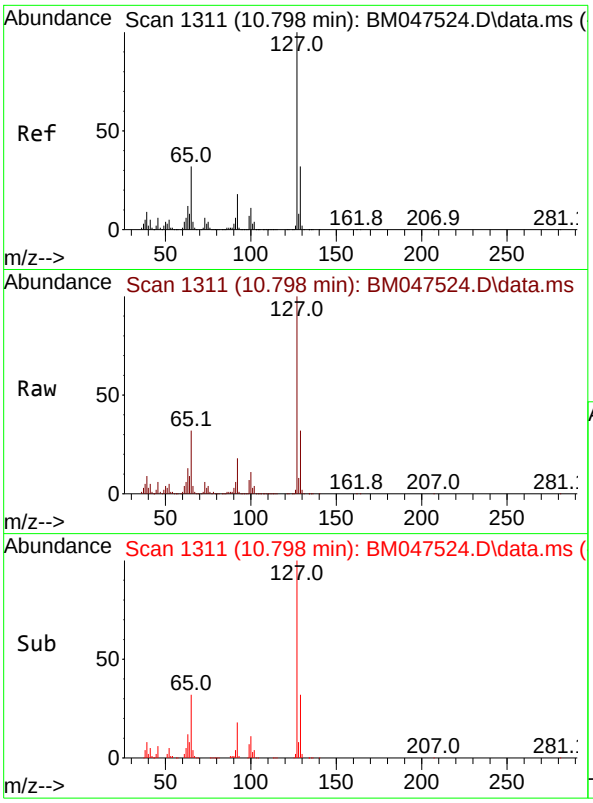


#32
Benzoic acid
Concen: 38.270 ng
RT: 9.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:122 Resp: 621554

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.7	144.7
77	103.4	83.4	123.4

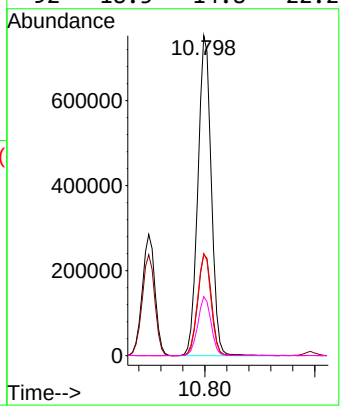




#33
4-Chloroaniline
Concen: 40.249 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:127 Resp: 127181

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.0
65	31.9	25.5	38.3
92	18.5	14.8	22.2



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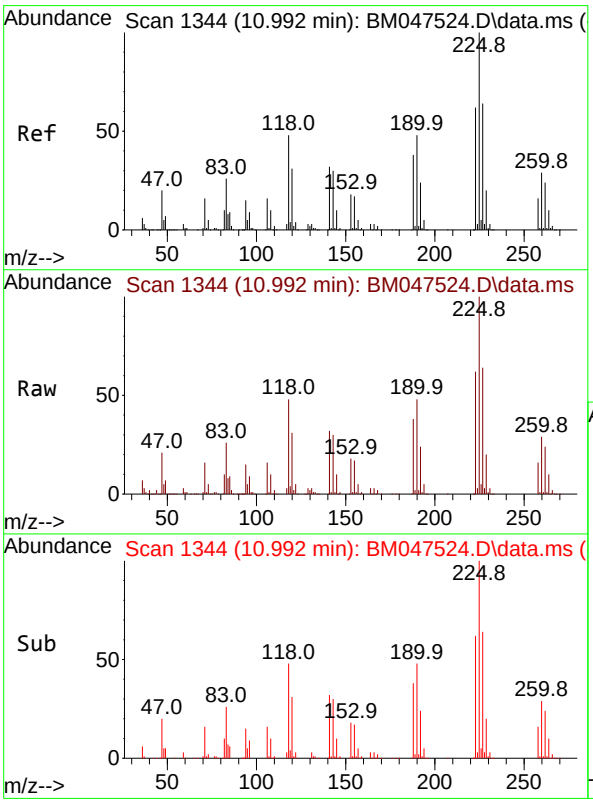
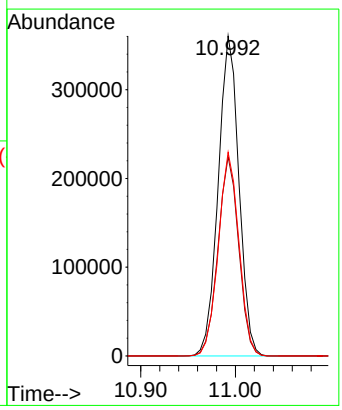
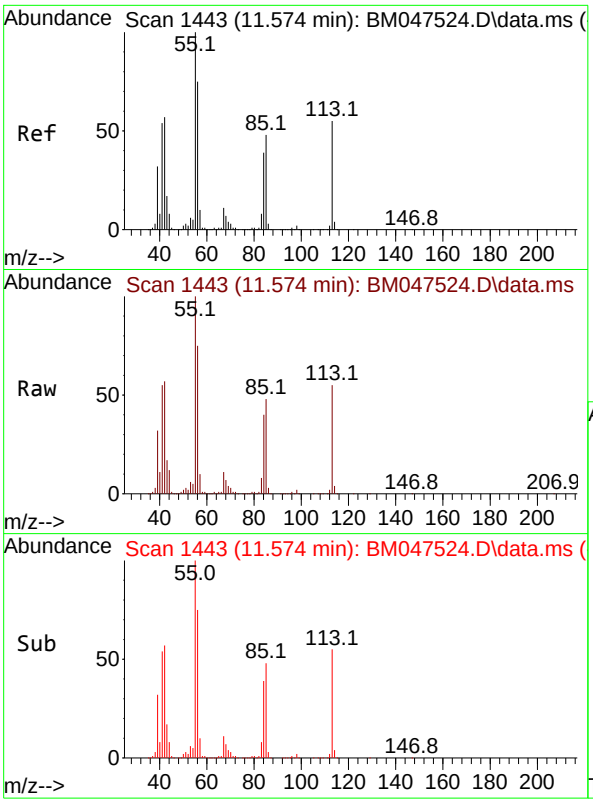


#34
Hexachlorobutadiene
Concen: 39.622 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:225 Resp: 548156

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	63.7	51.0	76.4

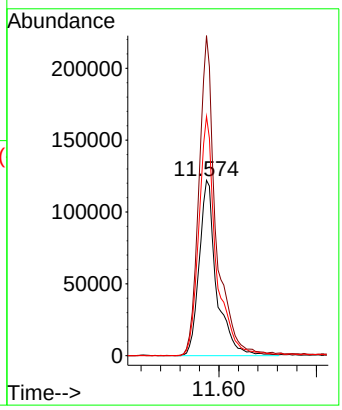




#35
Caprolactam
Concen: 42.014 ng
RT: 11.574 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:113 Resp: 30177

Ion	Ratio	Lower	Upper
113	100		
55	182.5	162.5	202.5
56	136.5	116.5	156.5



Instrument :
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ClientSampleId :
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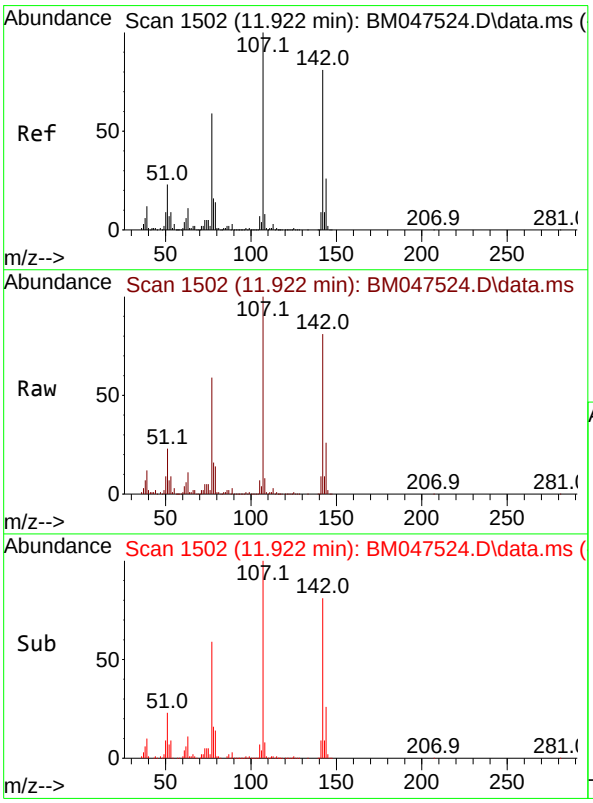
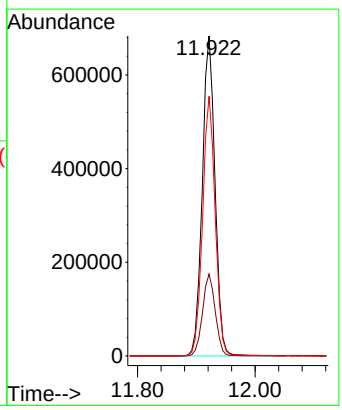
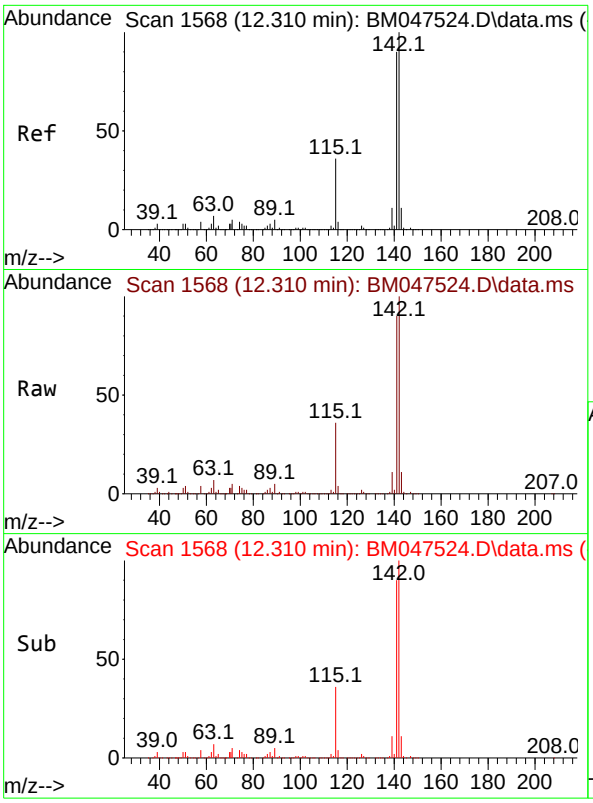


#36
4-Chloro-3-methylphenol
Concen: 41.207 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:107 Resp: 1029746

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	81.2	65.0	97.4

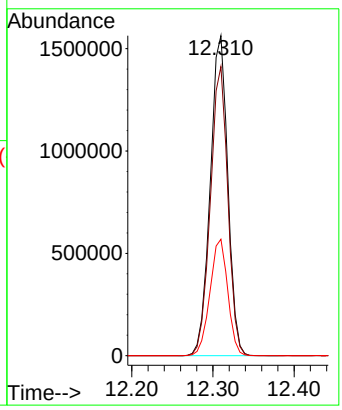




#37
2-Methylnaphthalene
Concen: 40.402 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:142 Resp: 235006

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4
115	36.4	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
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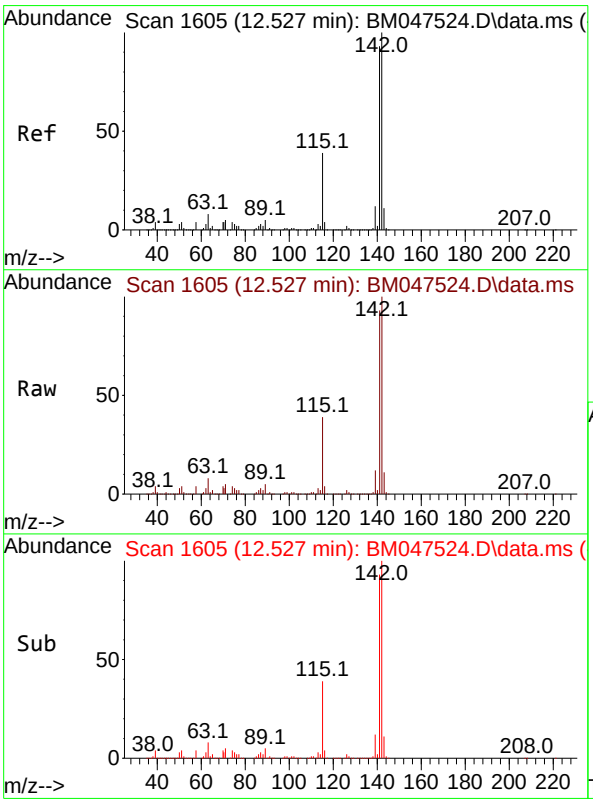
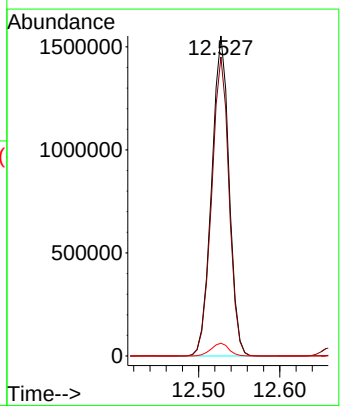
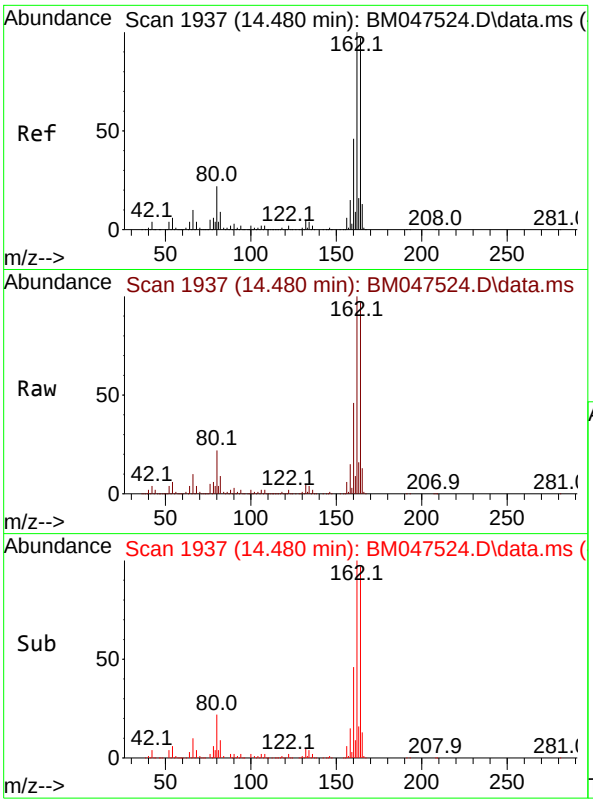


#38
1-Methylnaphthalene
Concen: 40.060 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:142 Resp: 2315698

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.7	112.1
116	4.0	3.2	4.8

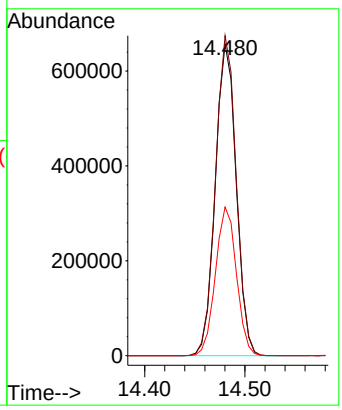




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:164 Resp: 94775

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	47.7	38.2	57.2



Instrument :
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ClientSampleId :
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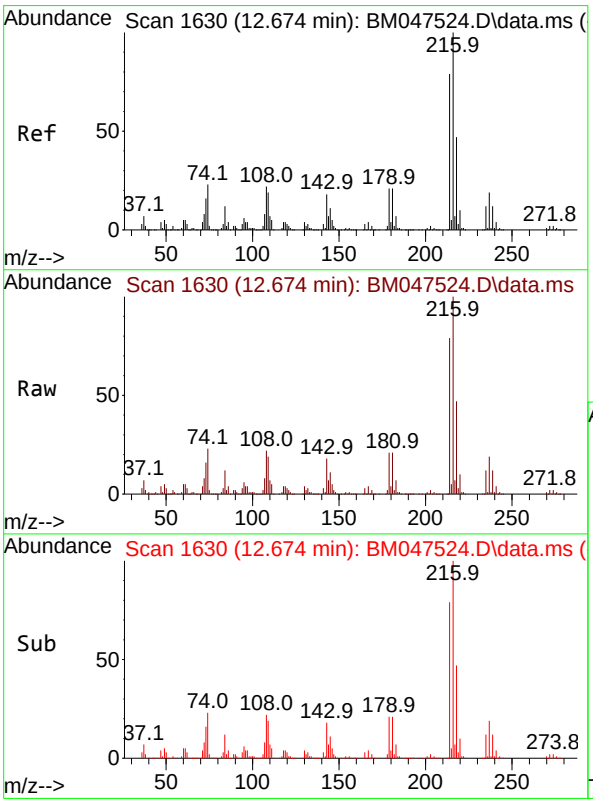
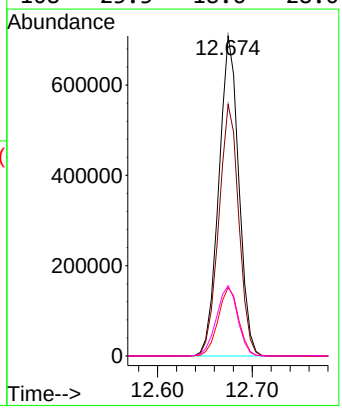
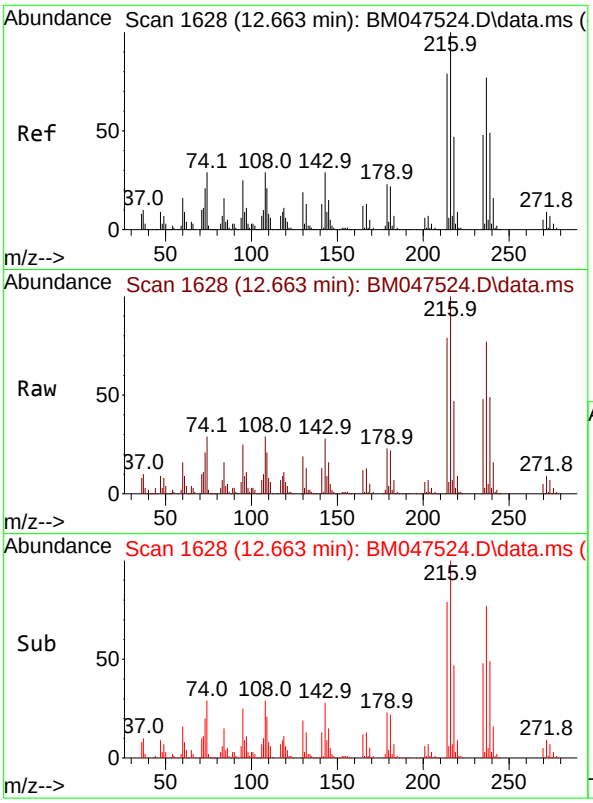


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.457 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:216 Resp: 1037544

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.6
179	21.9	17.5	26.3
108	23.3	18.6	28.0

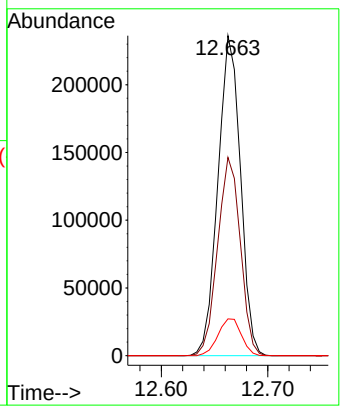




#41
Hexachlorocyclopentadiene
Concen: 41.288 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:237 Resp: 34614

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.0	82.0
272	11.5	0.0	31.5



Instrument :
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ClientSampleId :
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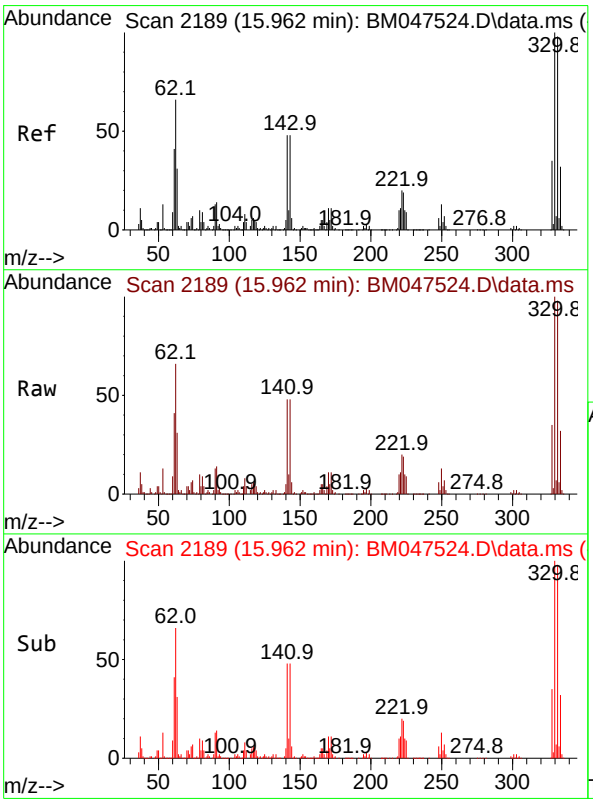
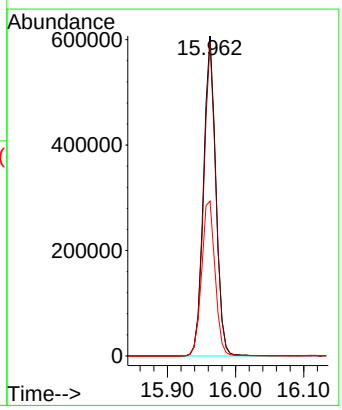
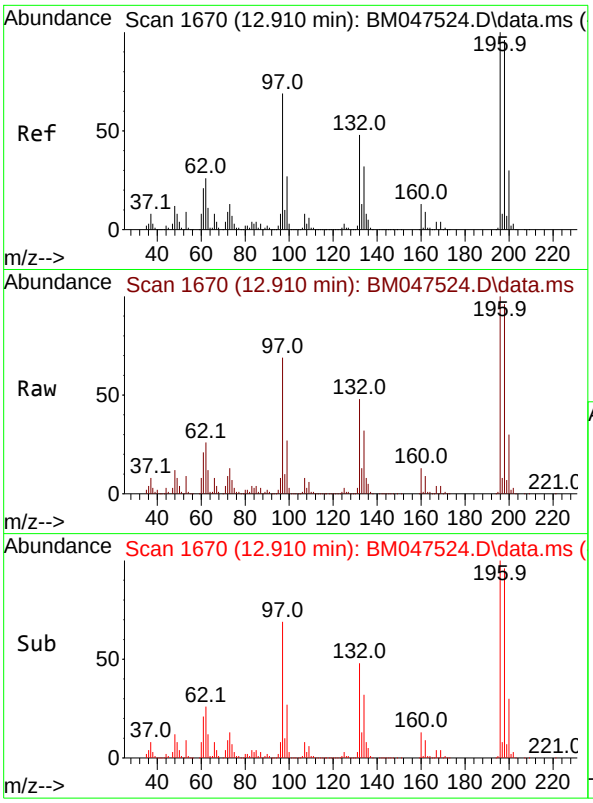


#42
2,4,6-Tribromophenol
Concen: 83.770 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:330 Resp: 767403

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	52.7	42.2	63.2

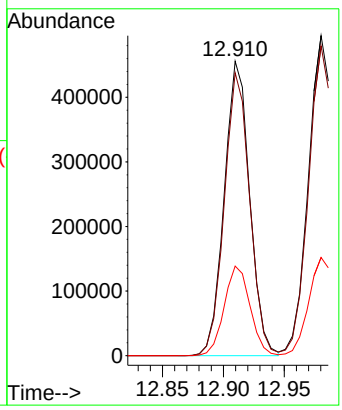




#43
2,4,6-Trichlorophenol
Concen: 41.294 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:196 Resp: 66346

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.9	115.3
200	30.4	24.3	36.5



Instrument :
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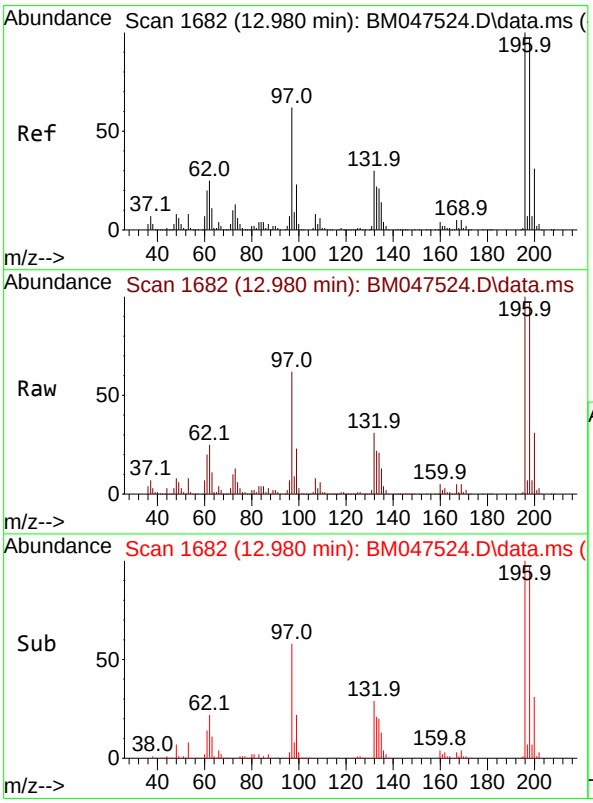
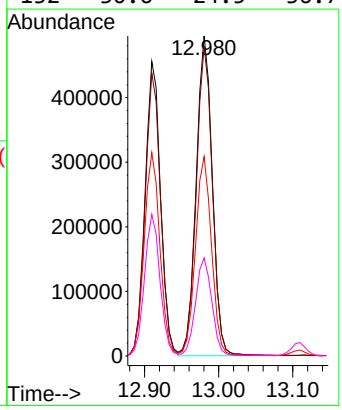
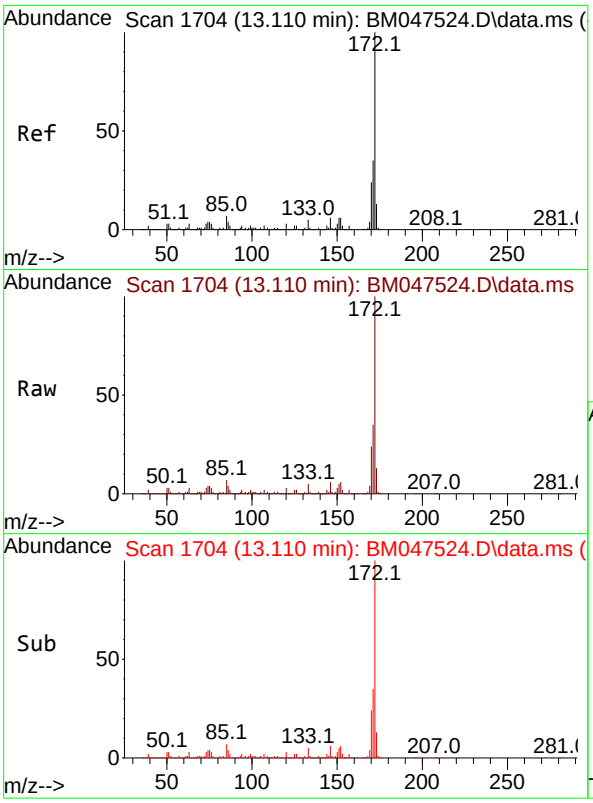


#44
2,4,5-Trichlorophenol
Concen: 41.284 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:196 Resp: 749195

Ion	Ratio	Lower	Upper
196	100		
198	96.8	77.4	116.2
97	62.3	49.8	74.8
132	30.6	24.5	36.7

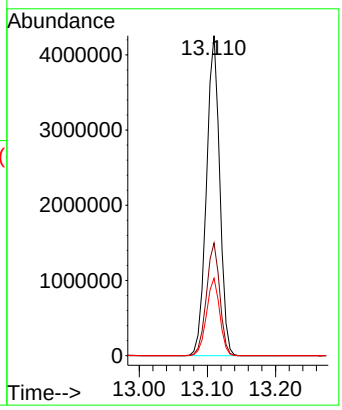




#45
2-Fluorobiphenyl
Concen: 83.482 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:172 Resp: 574366

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	24.2	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
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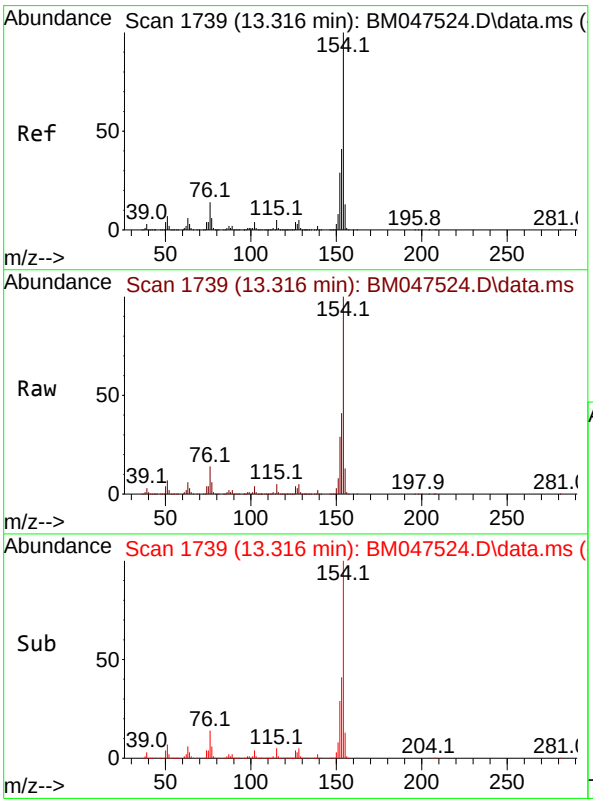
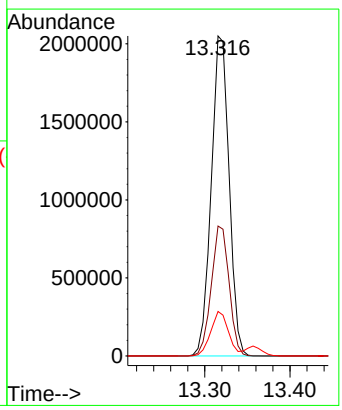
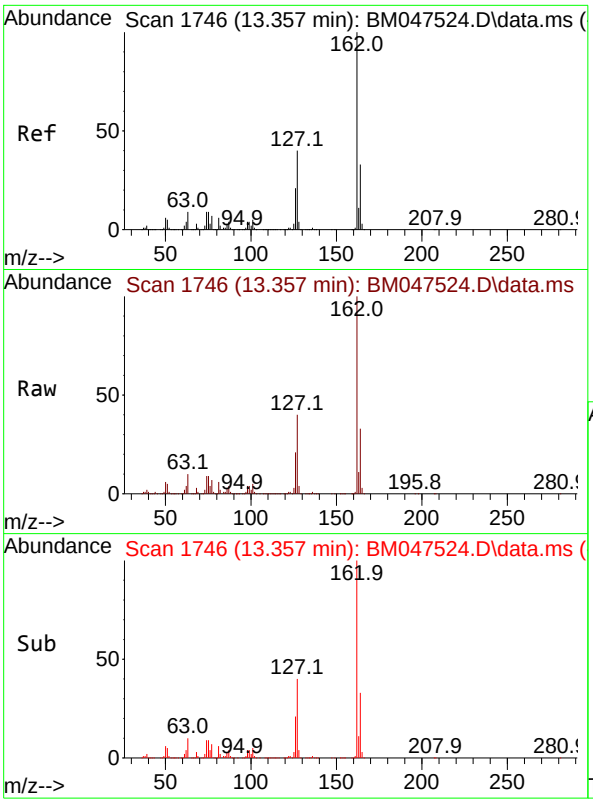


#46
1,1'-Biphenyl
Concen: 40.379 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:154 Resp: 2977591

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.9	0.0	33.9

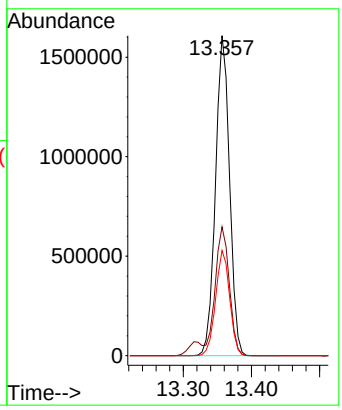




#47
2-Chloronaphthalene
Concen: 40.329 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:162 Resp: 230917

Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.2	48.4
164	32.9	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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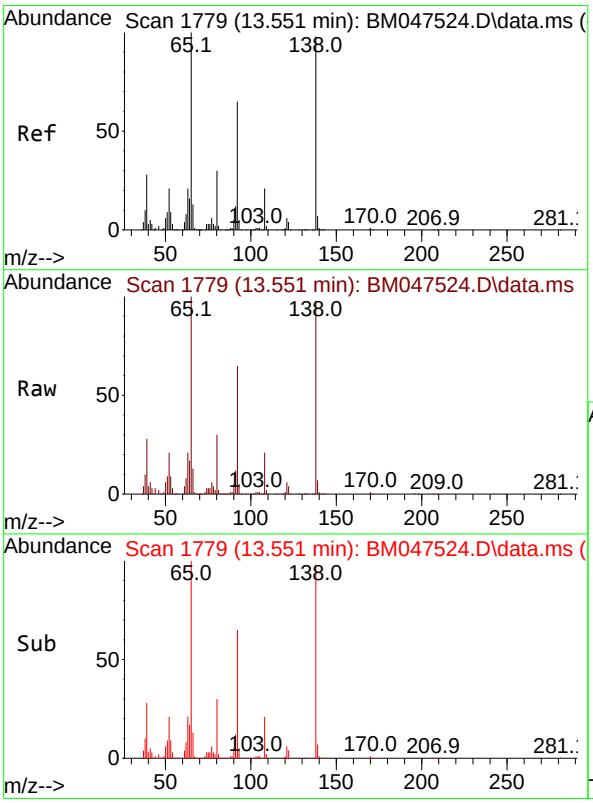
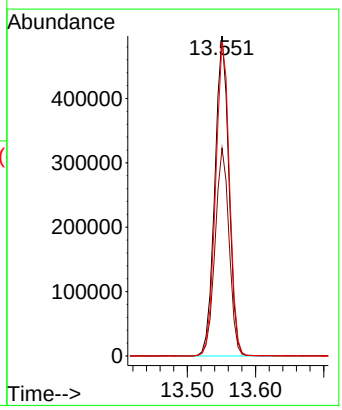
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

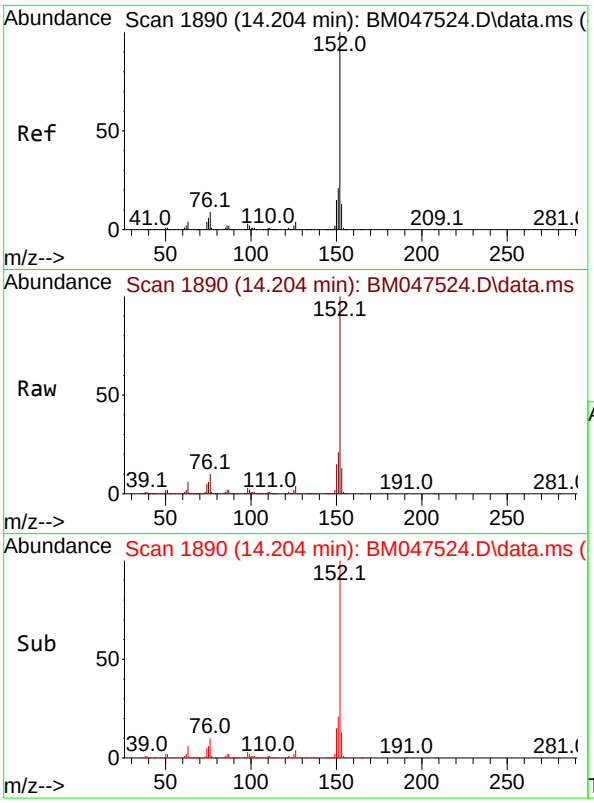


#48
2-Nitroaniline
Concen: 42.331 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 65 Resp: 711905

Ion	Ratio	Lower	Upper
65	100		
92	64.9	51.9	77.9
138	98.1	78.5	117.7

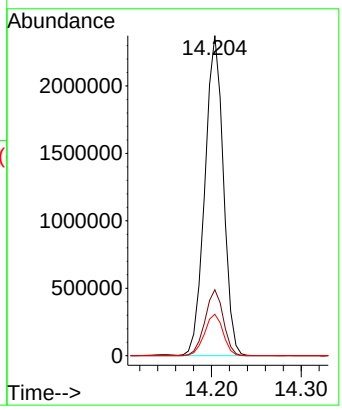




#49
Acenaphthylene
Concen: 41.020 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:152 Resp: 338938

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.5	24.7
153	13.0	10.4	15.6



Instrument :
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ClientSampleId :
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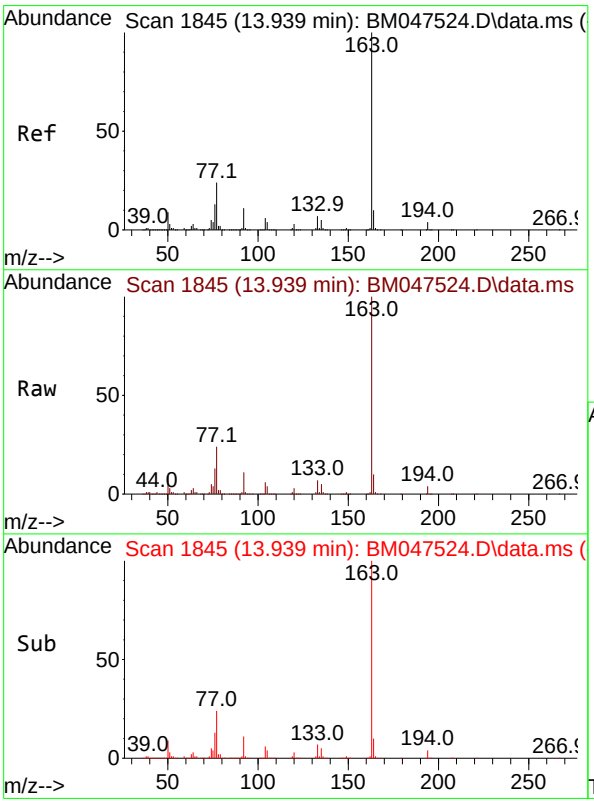
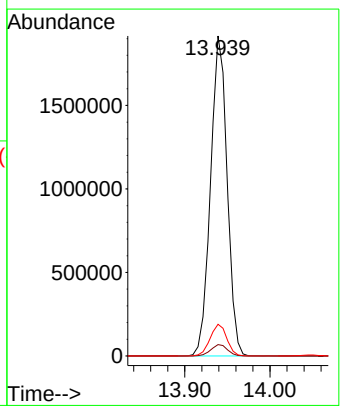
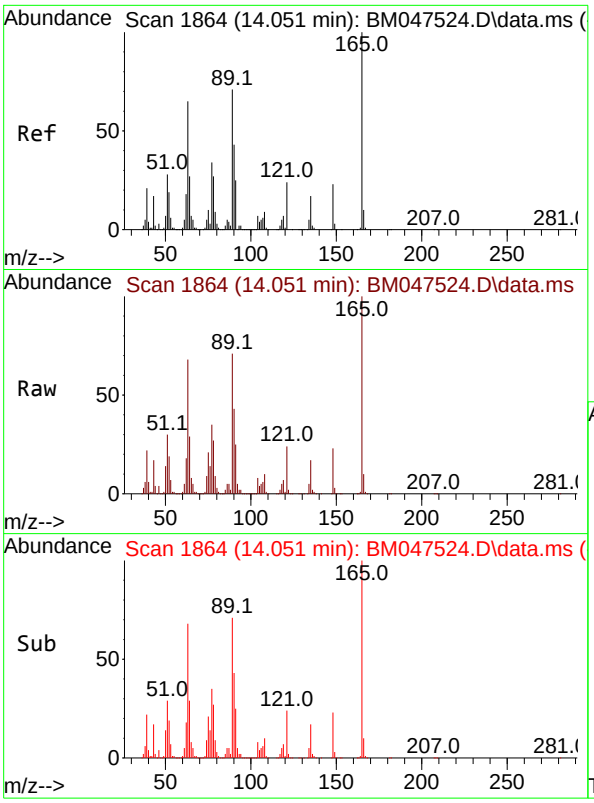


#50
Dimethylphthalate
Concen: 40.269 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:163 Resp: 2601271

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.9	7.9	11.9

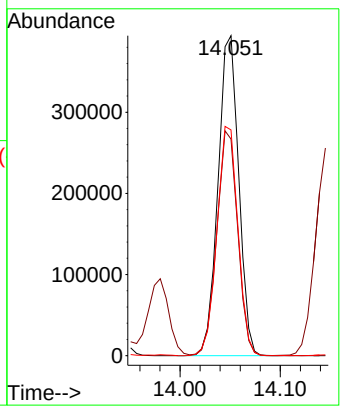




#51
2,6-Dinitrotoluene
Concen: 41.241 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:165 Resp: 56239

Ion	Ratio	Lower	Upper
165	100		
63	67.7	54.2	81.2
89	70.5	56.4	84.6



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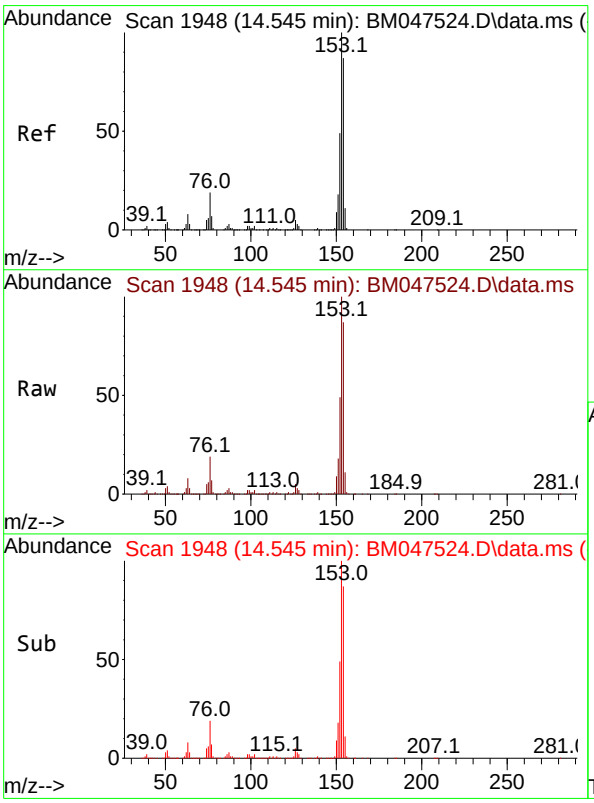
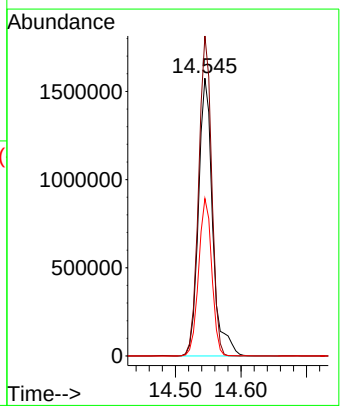
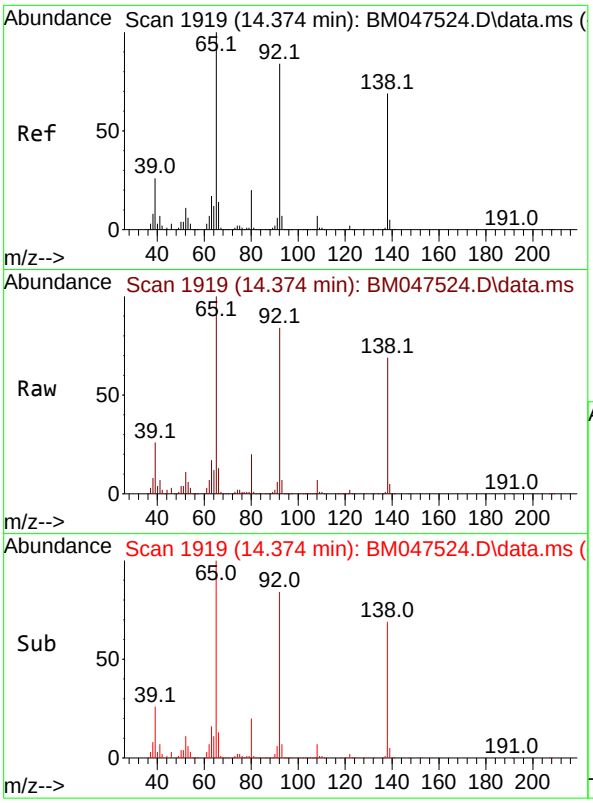


#52
Acenaphthene
Concen: 40.830 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:154 Resp: 2363816

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.2	138.2
152	56.7	45.4	68.0

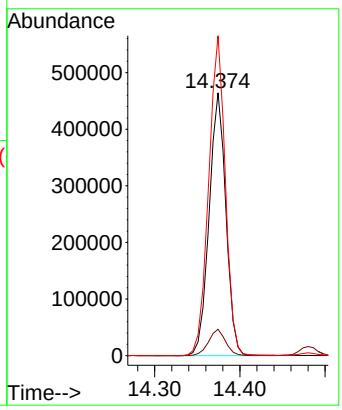




#53
3-Nitroaniline
Concen: 41.980 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:138 Resp: 63630

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.0	12.0
92	121.7	97.4	146.0



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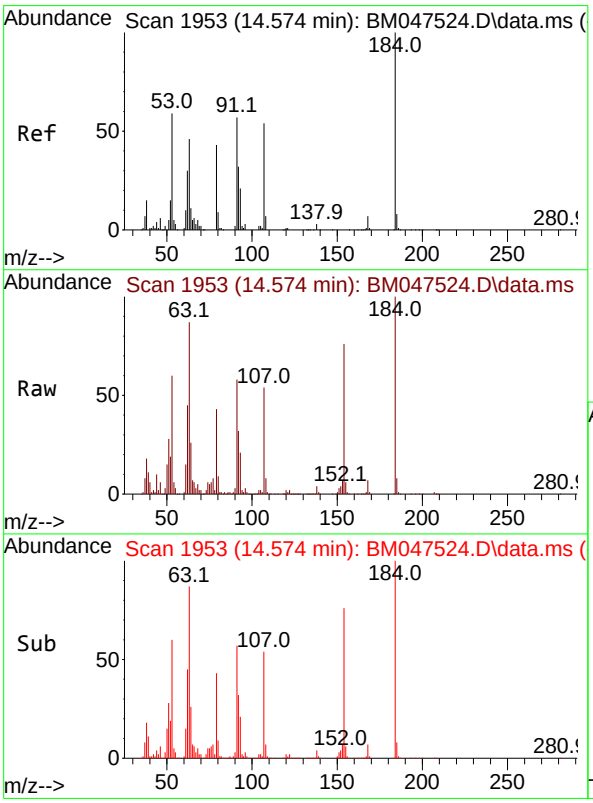
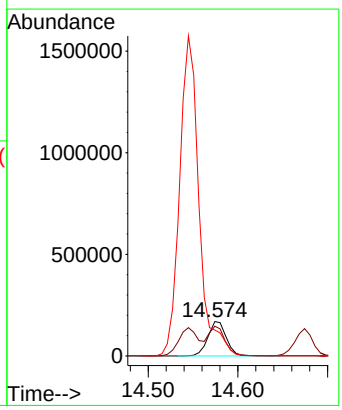
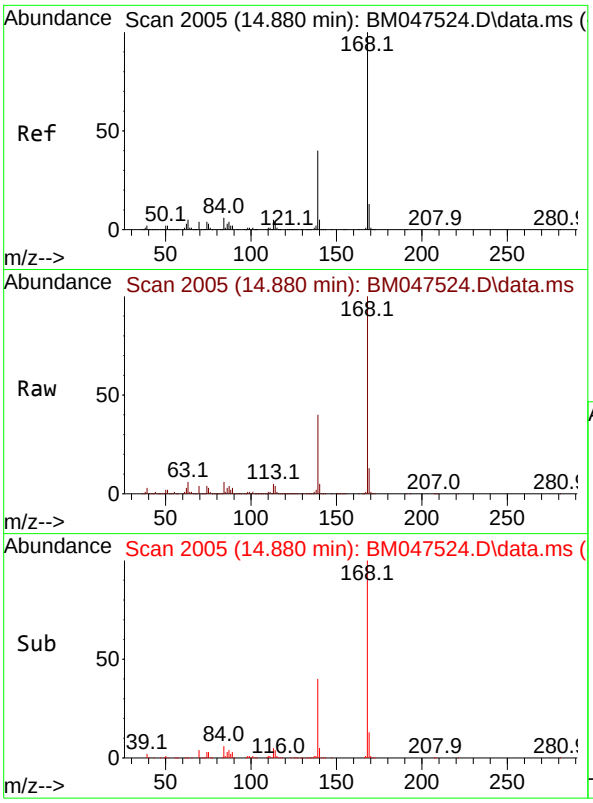


#54
2,4-Dinitrophenol
Concen: 40.526 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:184 Resp: 242408

Ion	Ratio	Lower	Upper
184	100		
63	86.7	69.4	104.0
154	75.5	60.4	90.6

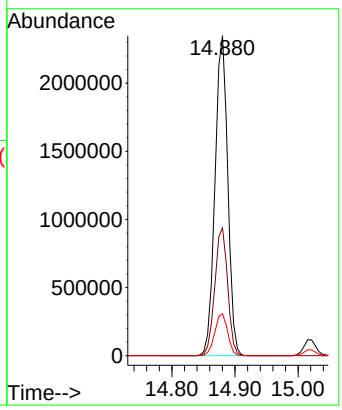




#55
Dibenzofuran
Concen: 40.401 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:168 Resp: 328680

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.9	47.9
169	13.1	10.5	15.7



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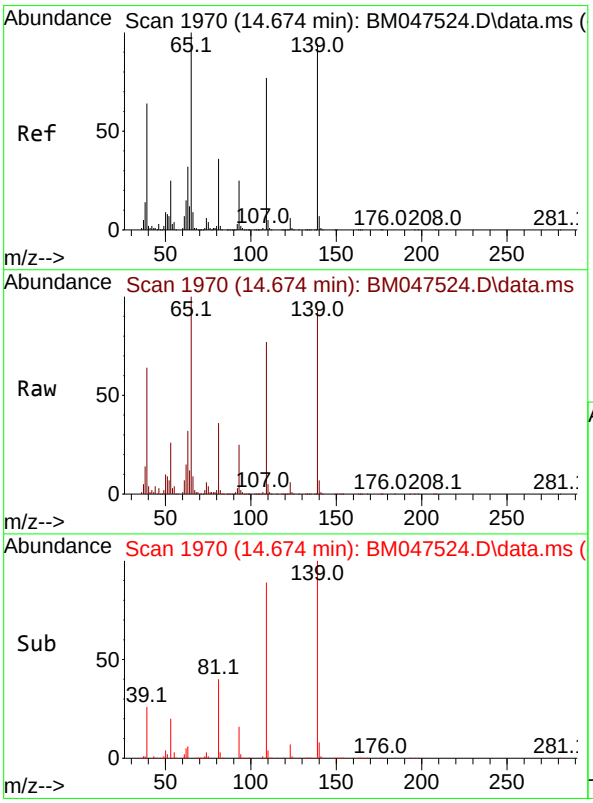
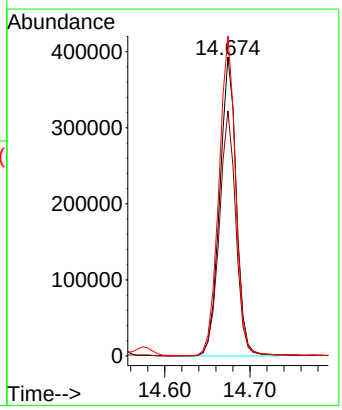
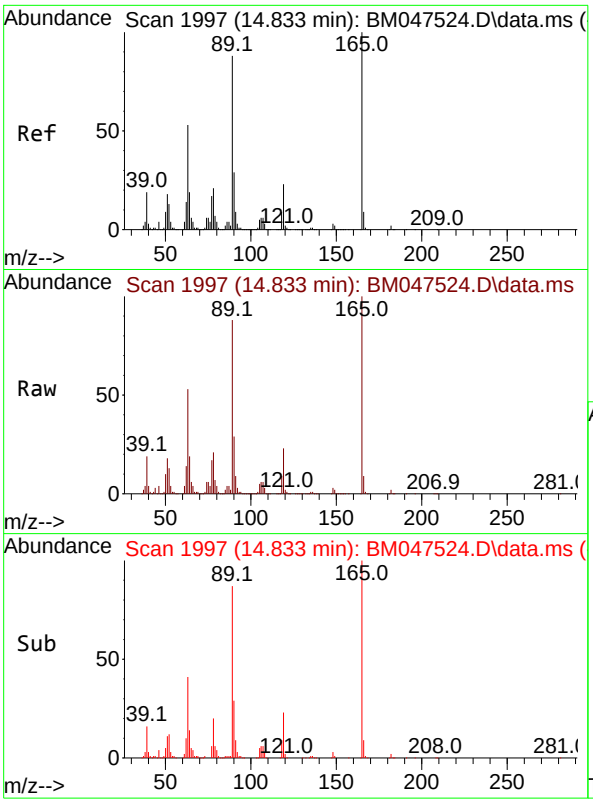


#56
4-Nitrophenol
Concen: 42.781 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:139 Resp: 533596

Ion	Ratio	Lower	Upper
139	100		
109	82.0	62.0	102.0
65	107.0	87.0	127.0

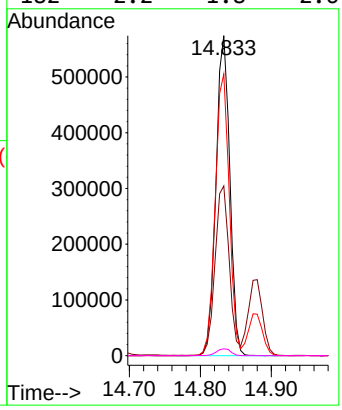




#57
2,4-Dinitrotoluene
Concen: 42.471 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:165 Resp: 77243

Ion	Ratio	Lower	Upper
165	100		
63	53.0	42.4	63.6
89	88.1	70.5	105.7
182	2.2	1.8	2.6



Instrument :
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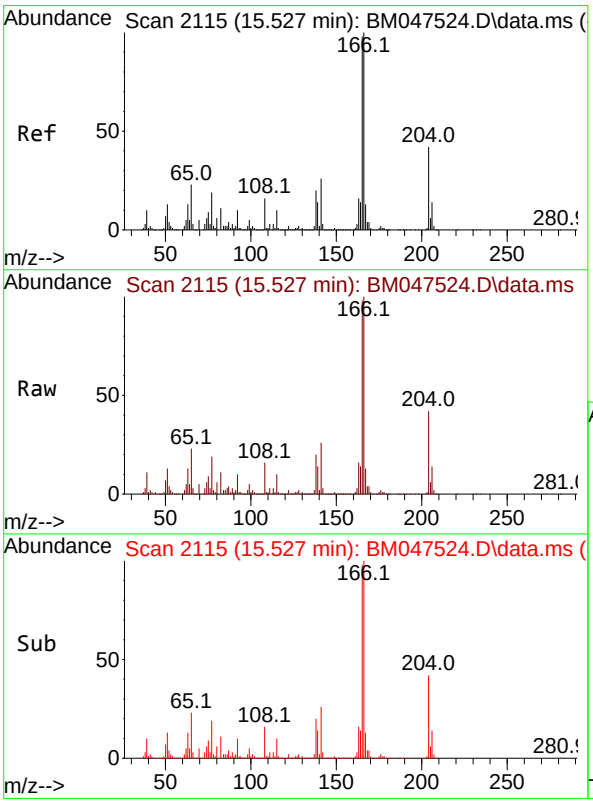
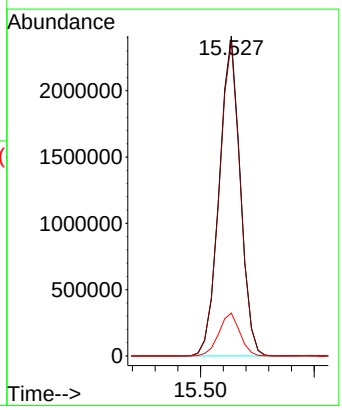
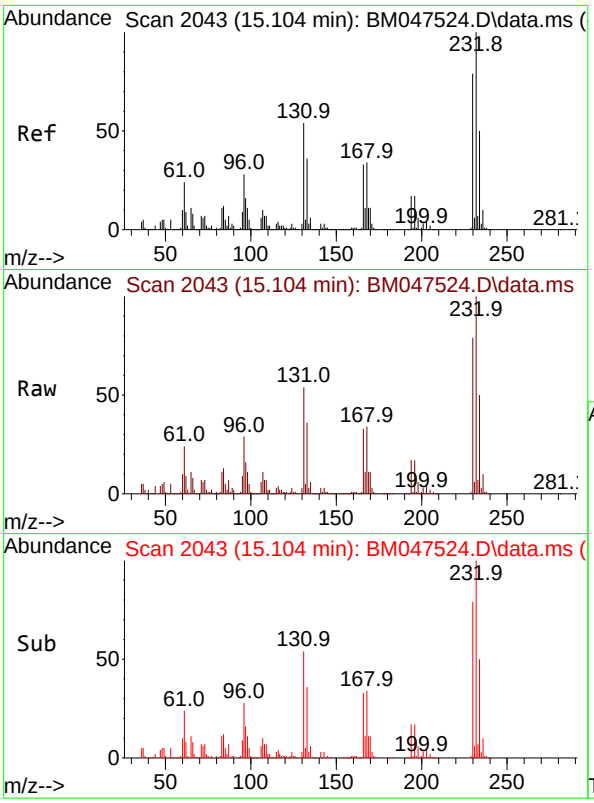


#58
Fluorene
Concen: 42.182 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:166 Resp: 3089638

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.6	117.8
167	13.4	10.7	16.1

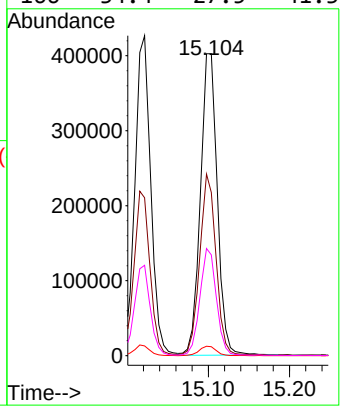




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.011 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:232 Resp: 58026

Ion	Ratio	Lower	Upper
232	100		
131	58.7	47.0	70.4
130	3.2	2.6	3.8
166	34.4	27.5	41.3



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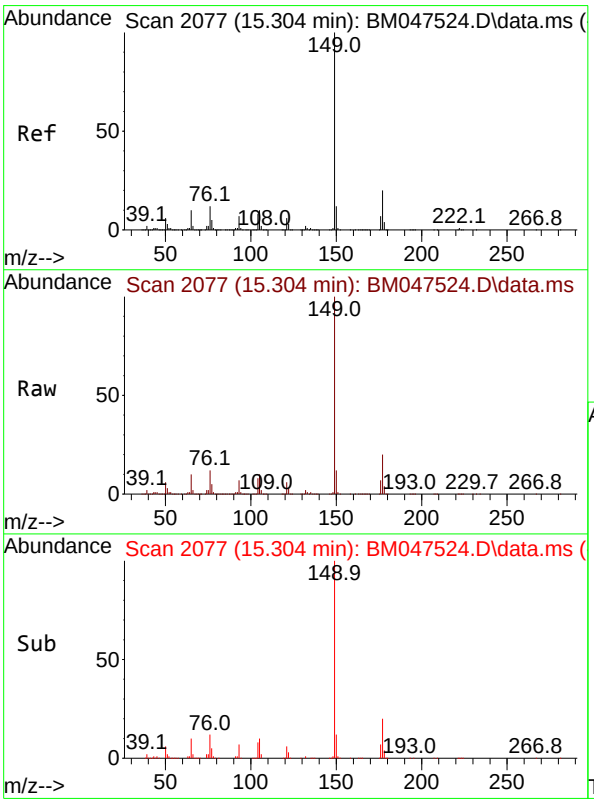
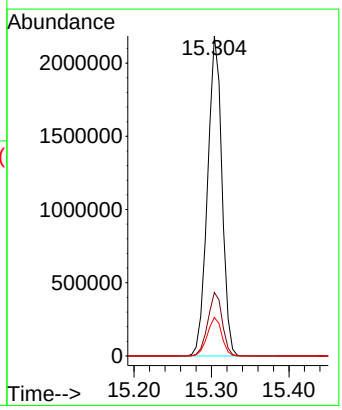
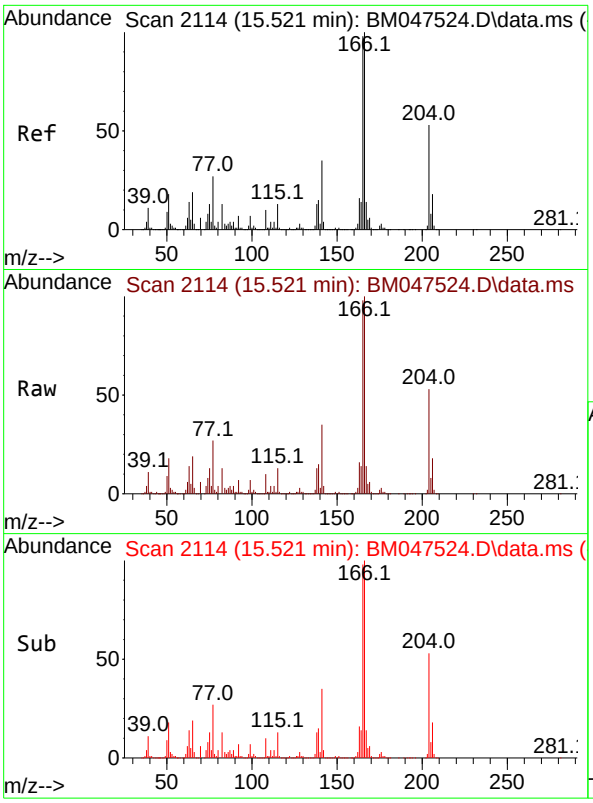


#60
Diethylphthalate
Concen: 40.869 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 2809721

Ion	Ratio	Lower	Upper
149	100		
177	19.8	15.8	23.8
150	12.1	9.7	14.5

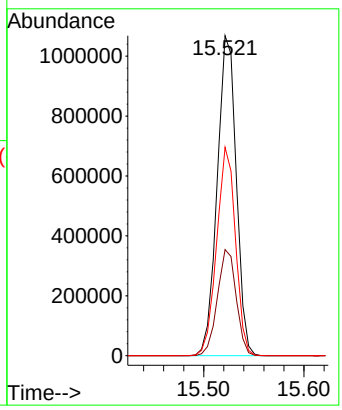




#61
4-Chlorophenyl-phenylether
Concen: 42.091 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:204 Resp: 140966

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	65.1	52.1	78.1



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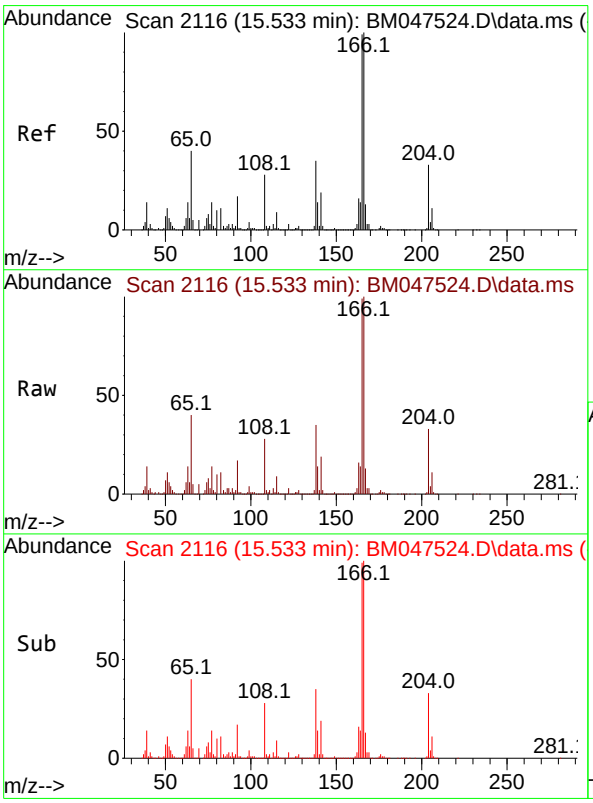
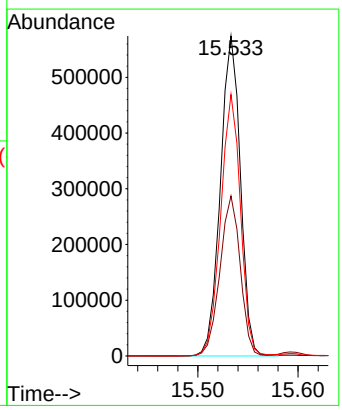
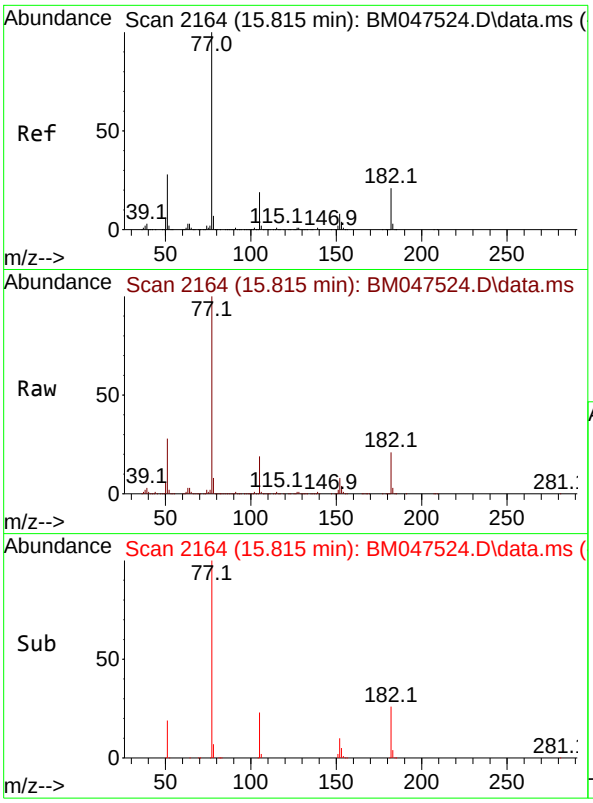


#62
4-Nitroaniline
Concen: 44.661 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:138 Resp: 795712

Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.0	70.0
108	81.7	61.7	101.7

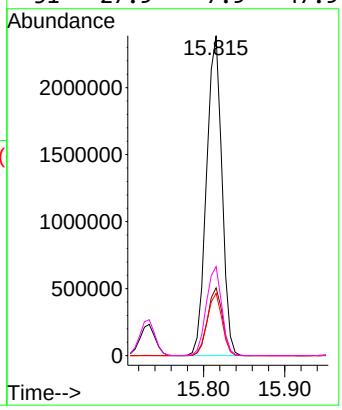




#63
Azobenzene
Concen: 41.412 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 77 Resp: 313487

Ion	Ratio	Lower	Upper
77	100		
182	21.2	1.2	41.2
105	19.4	0.0	39.4
51	27.9	7.9	47.9



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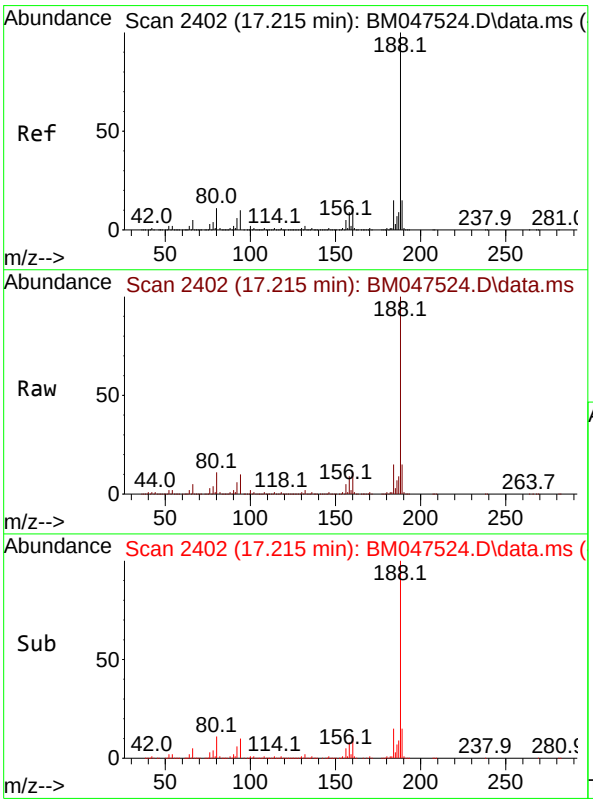
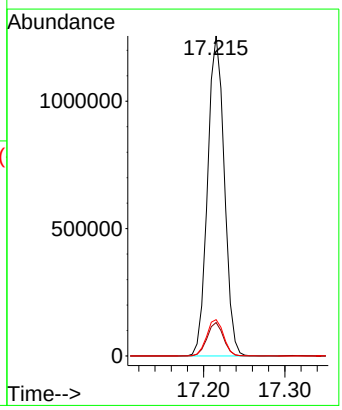
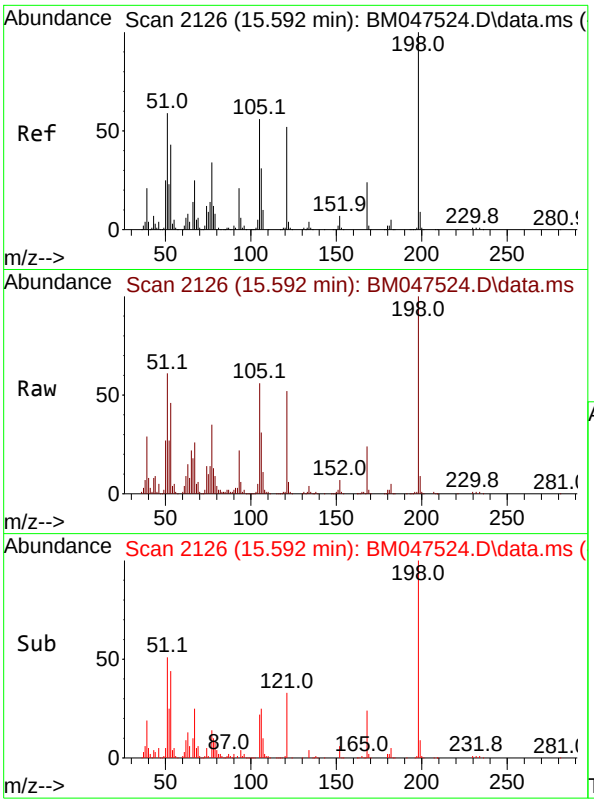


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:188 Resp: 1792326

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.4	12.6
80	11.4	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 37.677 ng
RT: 15.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:198 Resp: 32740

Ion	Ratio	Lower	Upper
198	100		
51	61.5	41.5	81.5
105	56.4	36.4	76.4

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ClientSampleId :
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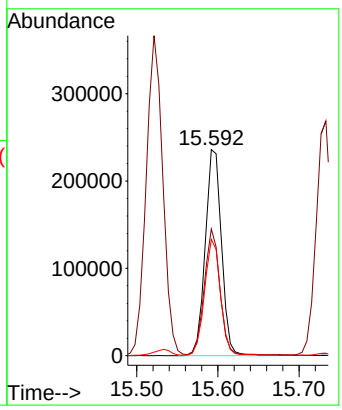
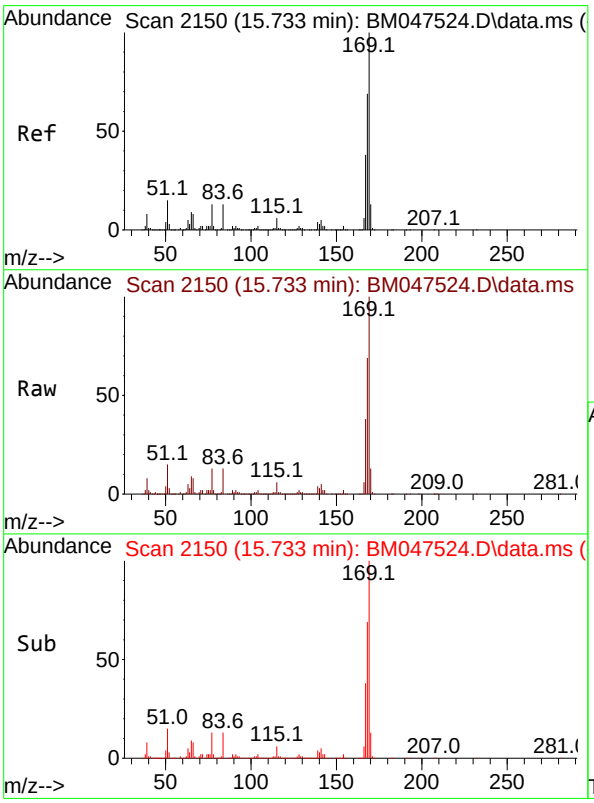
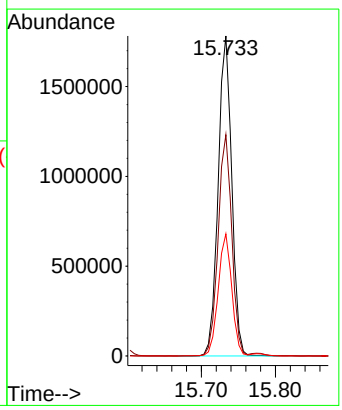


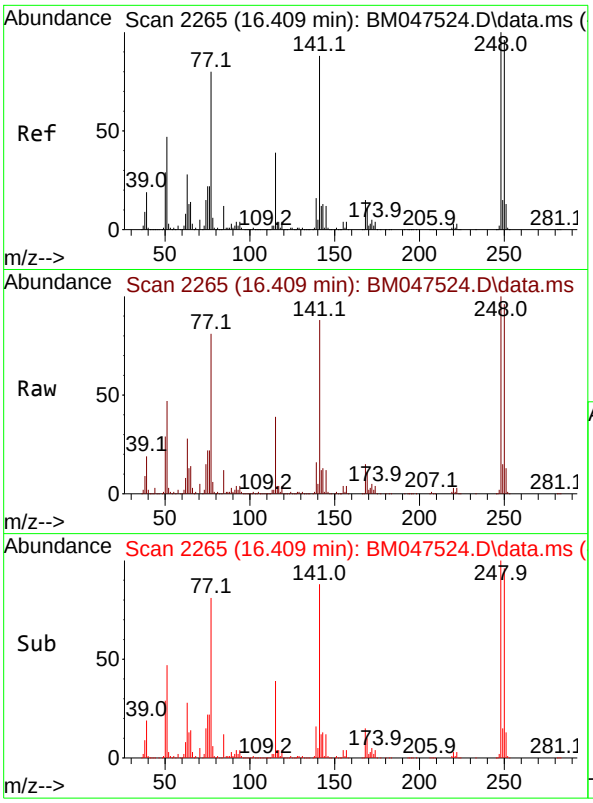


#66
n-Nitrosodiphenylamine
Concen: 41.340 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:169 Resp: 2266693

Ion	Ratio	Lower	Upper
169	100		
168	69.1	55.3	82.9
167	38.1	30.5	45.7





#67
4-Bromophenyl-phenylether
Concen: 40.531 ng
RT: 16.409 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:248 Resp: 70586

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.9	115.3
141	88.5	70.8	106.2

Instrument :
BNA_M
ClientSampleId :
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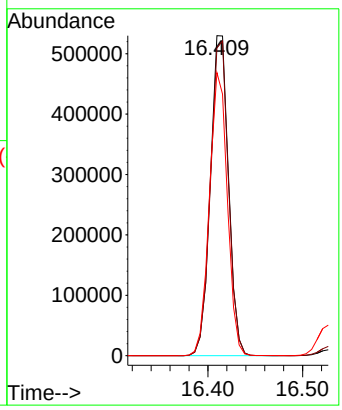
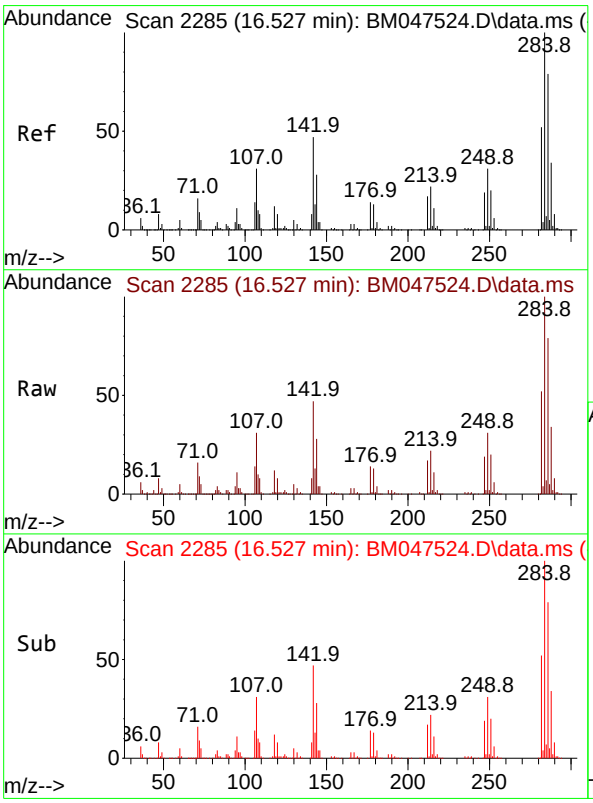
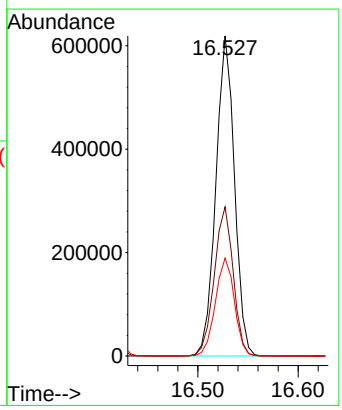


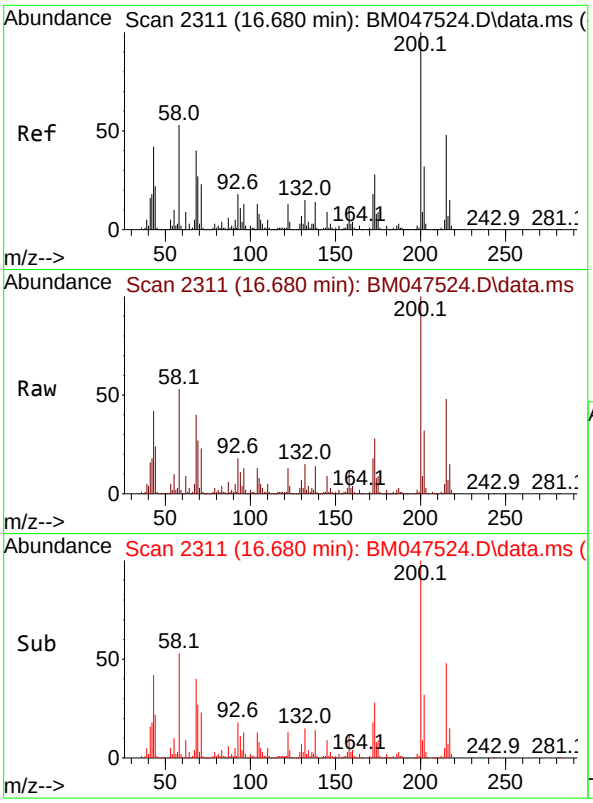


#68
Hexachlorobenzene
Concen: 40.352 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:284 Resp: 796111

Ion	Ratio	Lower	Upper
284	100		
142	46.6	37.3	55.9
249	30.6	24.5	36.7

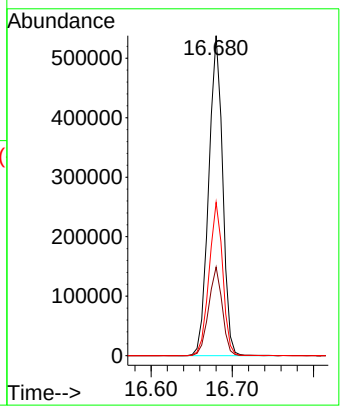




#69
Atrazine
Concen: 42.135 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:200 Resp: 63855

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.7	47.7
215	47.9	27.9	67.9



Instrument :
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ClientSampleId :
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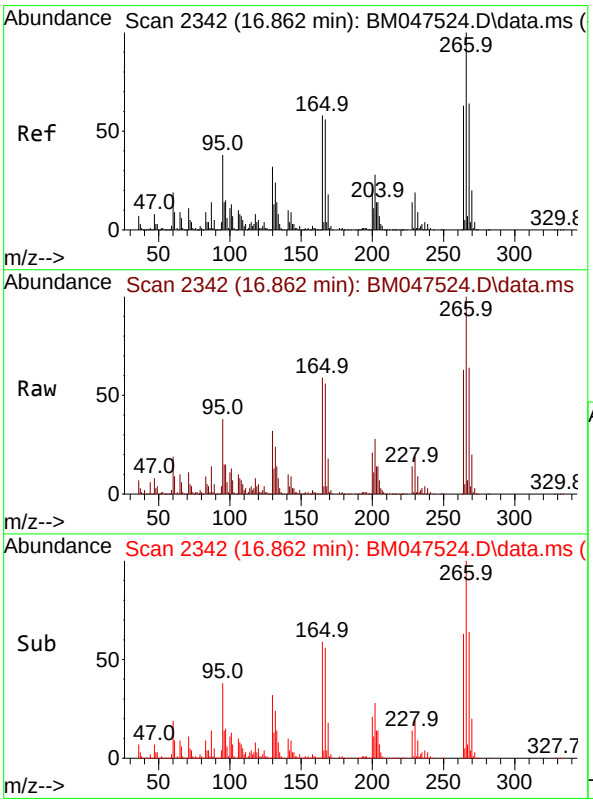
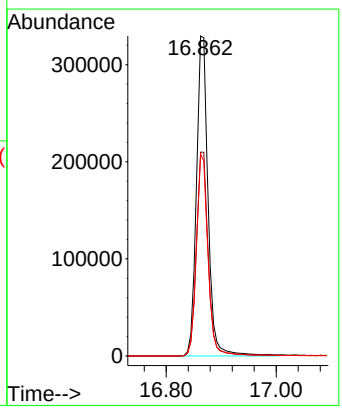
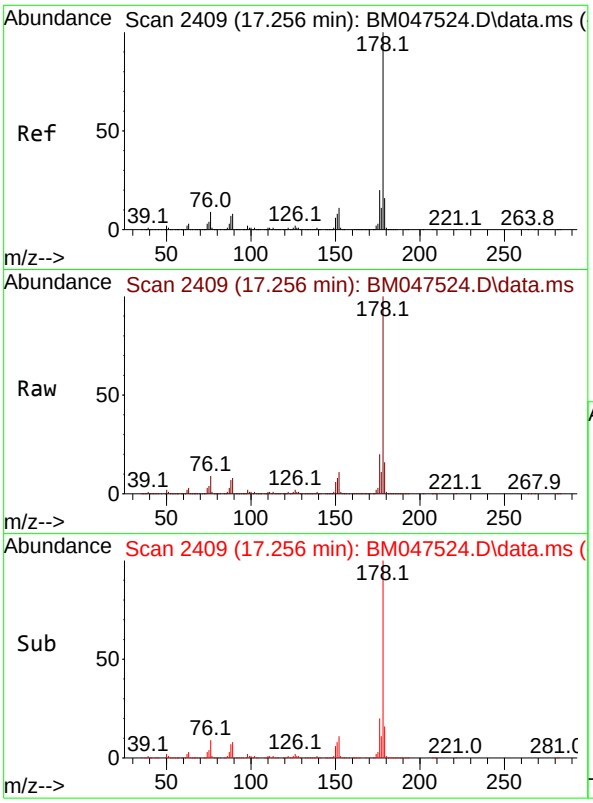


#70
Pentachlorophenol
Concen: 42.523 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:266 Resp: 486319

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.0	76.4
264	63.0	50.4	75.6

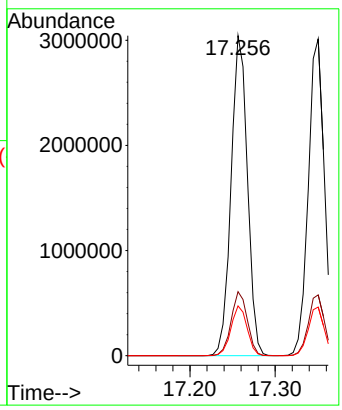




#71
Phenanthrene
Concen: 41.163 ng
RT: 17.256 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:178 Resp: 406583

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.5	12.4	18.6



Instrument :
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ClientSampleId :
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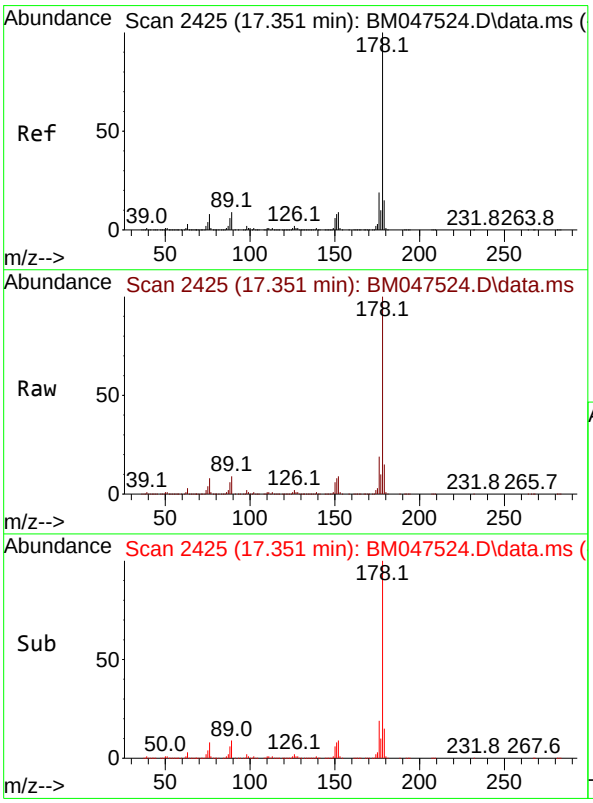
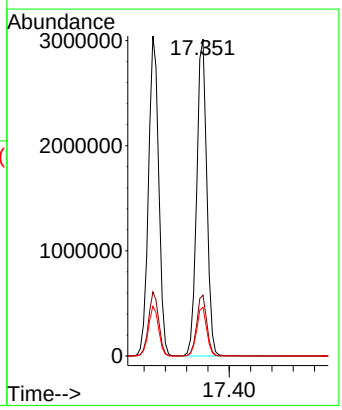
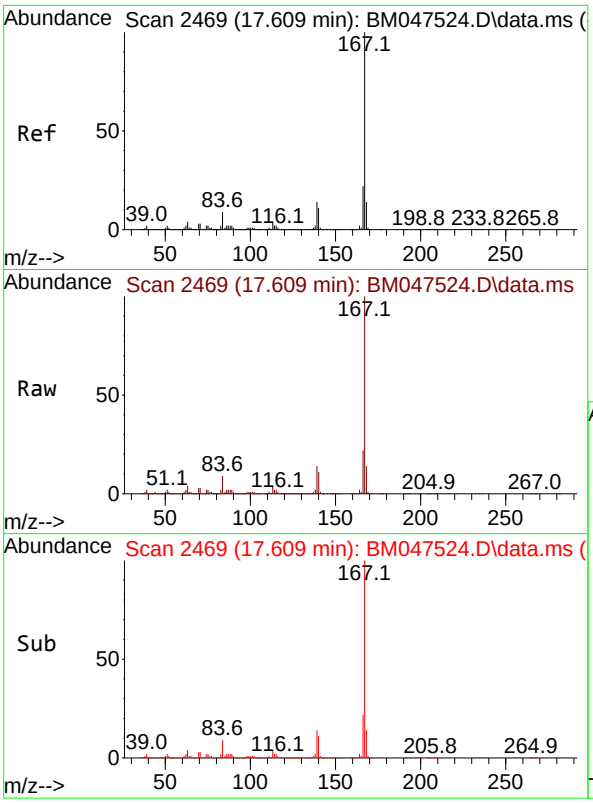


#72
Anthracene
Concen: 41.695 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:178 Resp: 3956786

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.3	18.5

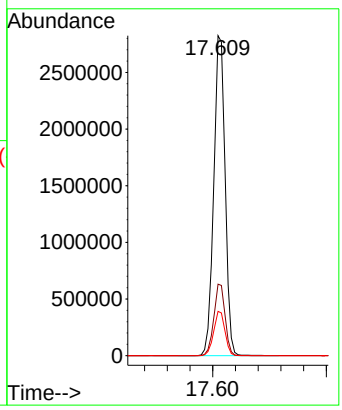




#73
Carbazole
Concen: 41.537 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:167 Resp: 390645

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.8	26.8
139	13.8	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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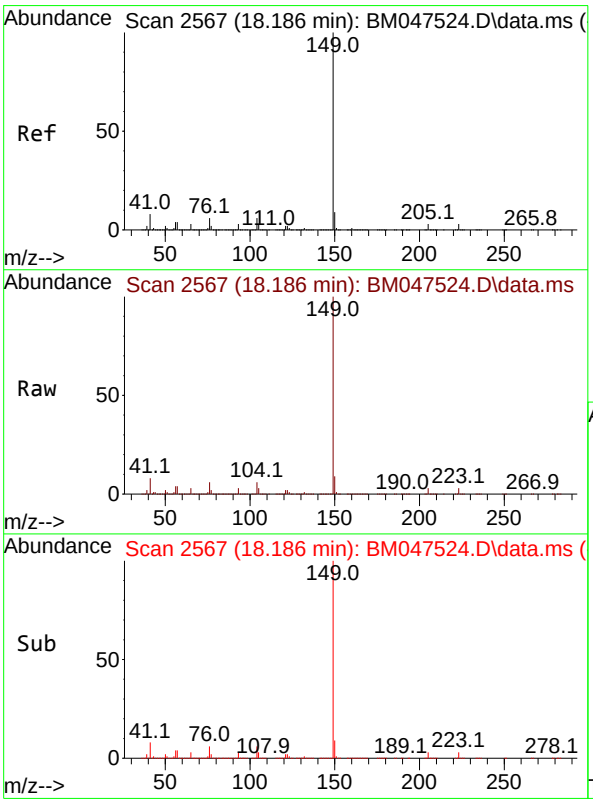
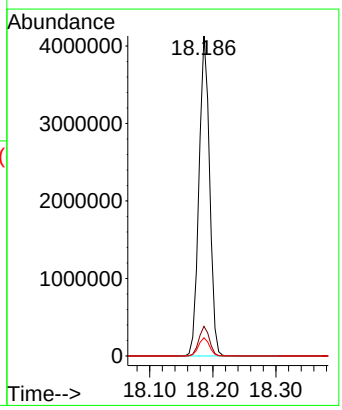
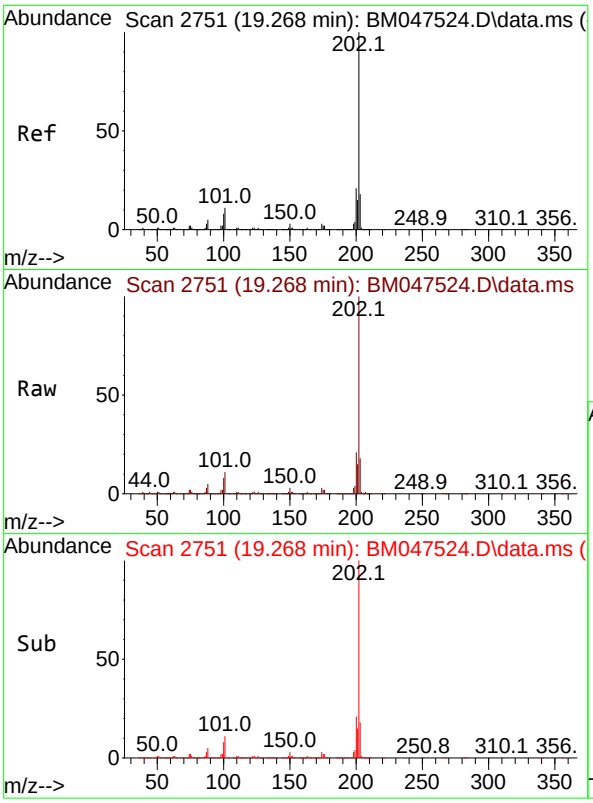


#74
Di-n-butylphthalate
Concen: 42.689 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 4803649

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.7	4.6	6.8





#75
Fluoranthene
Concen: 42.622 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:202 Resp: 459339

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.8
203	17.7	0.0	37.7

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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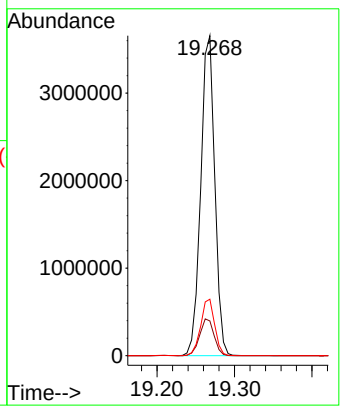
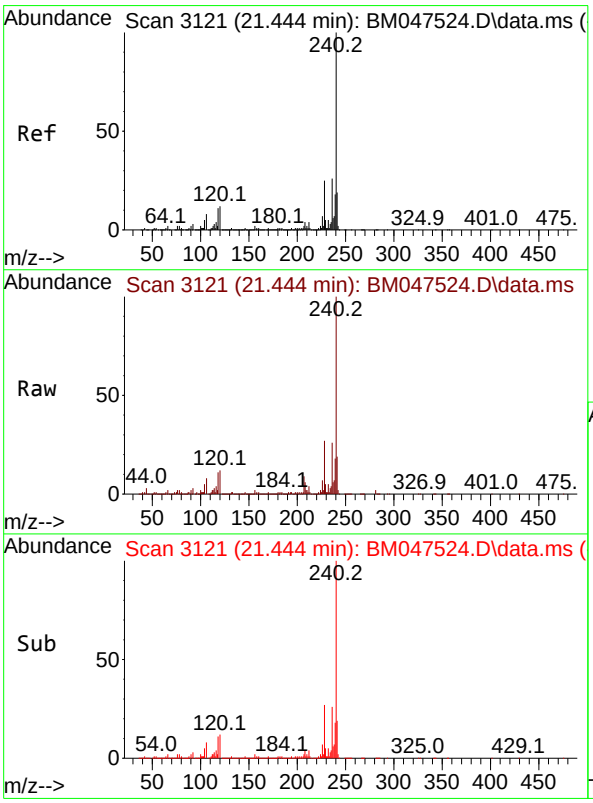
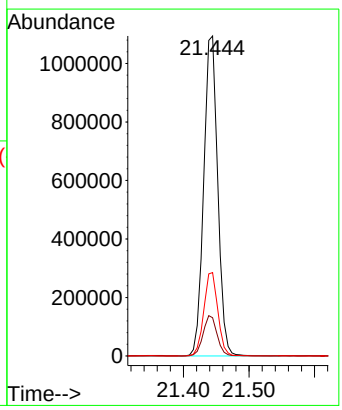


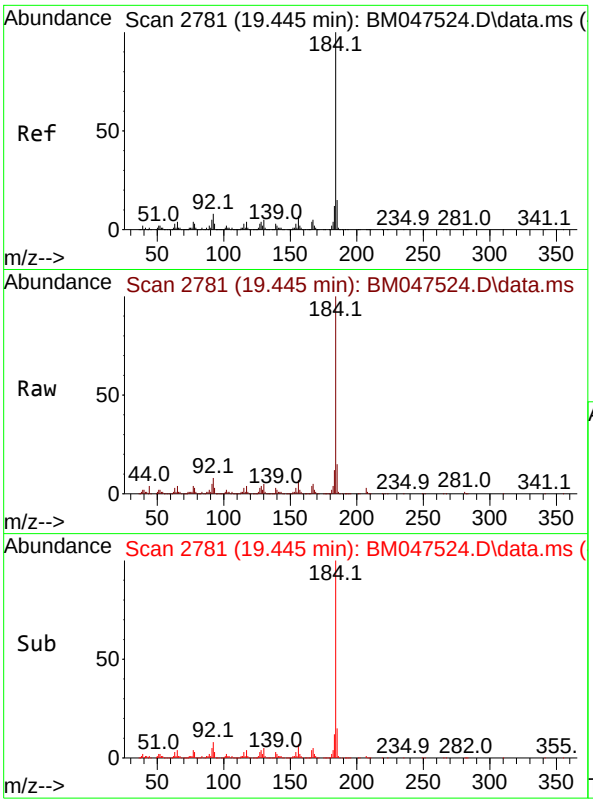


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:240 Resp: 1627798

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	26.1	20.9	31.3

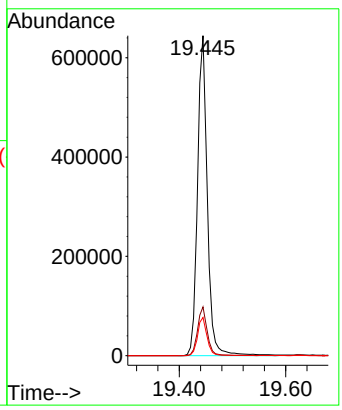




#77
Benzidine
Concen: 35.993 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:184 Resp: 82516

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.2
183	12.0	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
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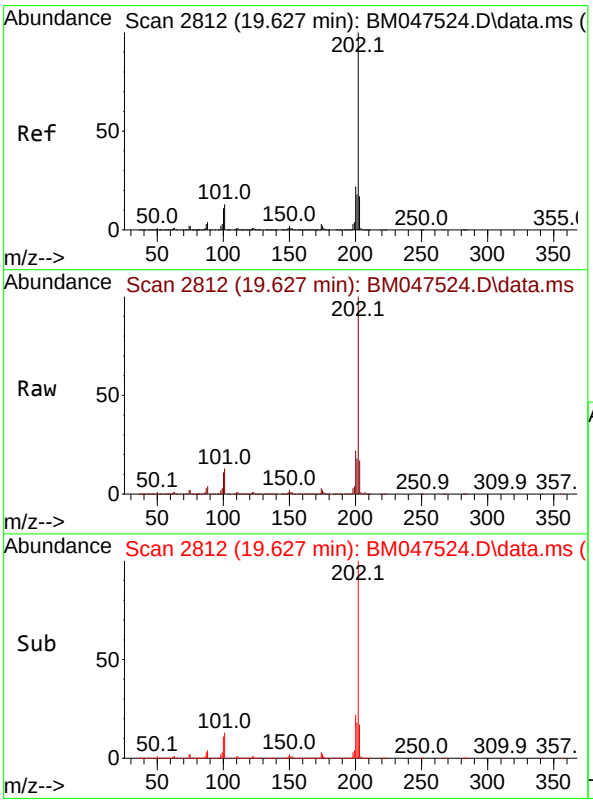
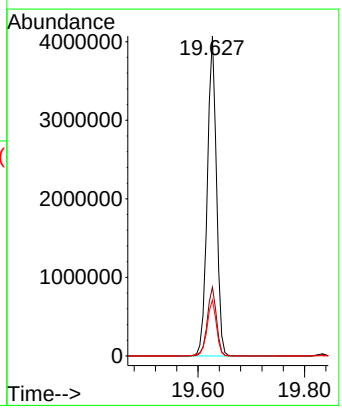
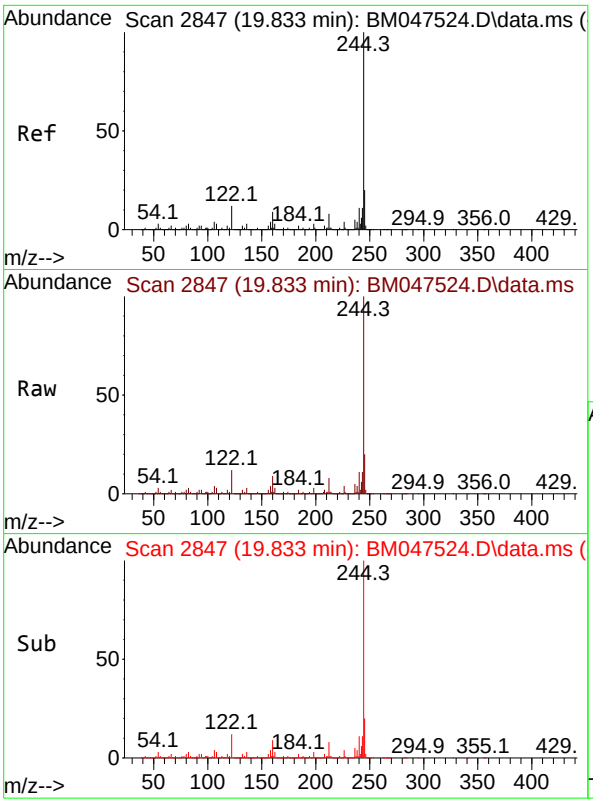


#78
Pyrene
Concen: 40.954 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:202 Resp: 4862723

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.5	14.0	21.0

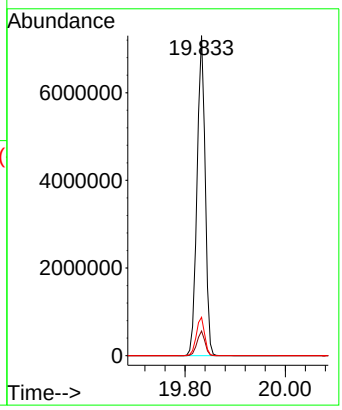




#79
Terphenyl-d14
Concen: 90.034 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:244 Resp: 817868

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	12.0	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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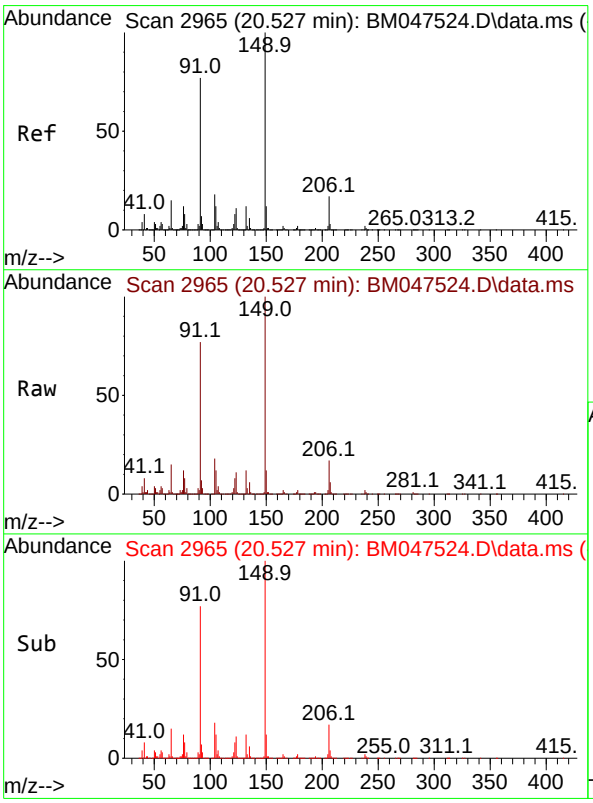
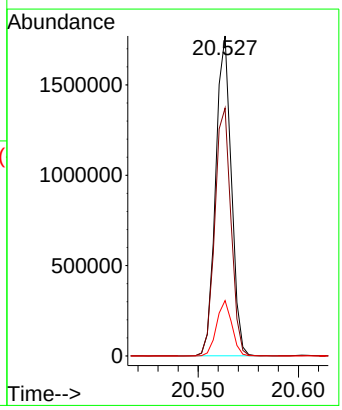
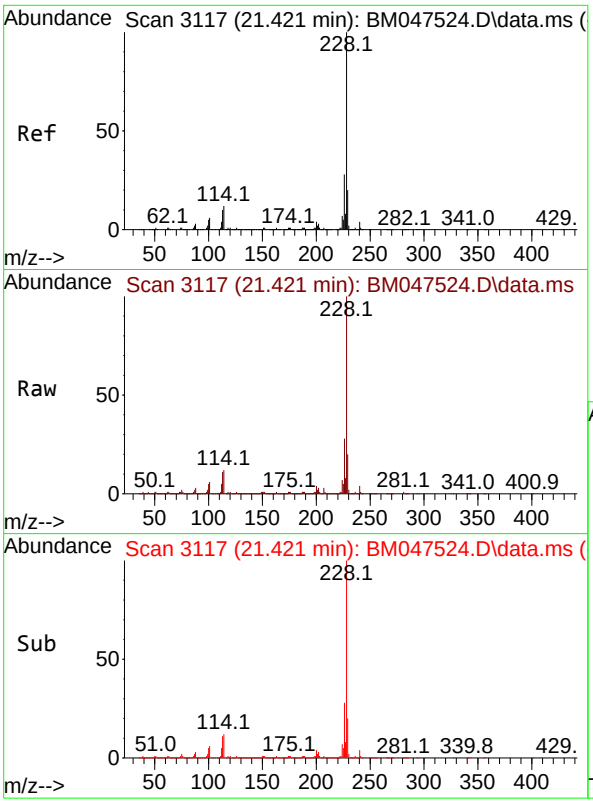


#80
Butylbenzylphthalate
Concen: 41.908 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 1915535

Ion	Ratio	Lower	Upper
149	100		
91	77.5	62.0	93.0
206	17.3	13.8	20.8

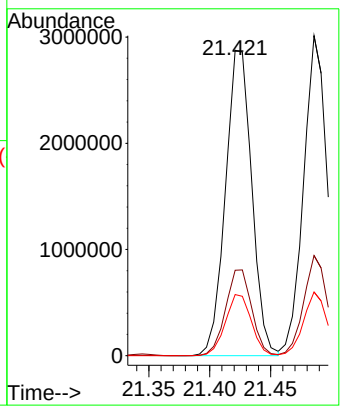




#81
Benzo(a)anthracene
Concen: 40.888 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:228 Resp: 433822

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	20.0	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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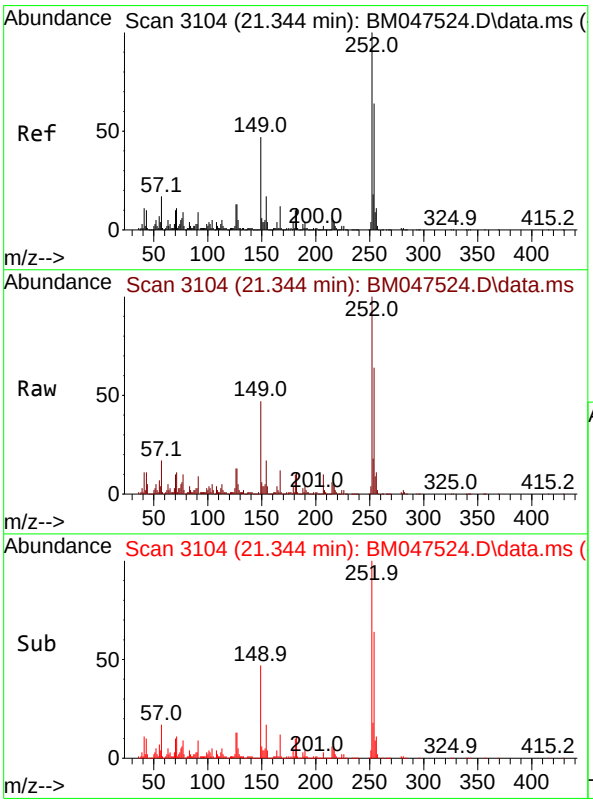
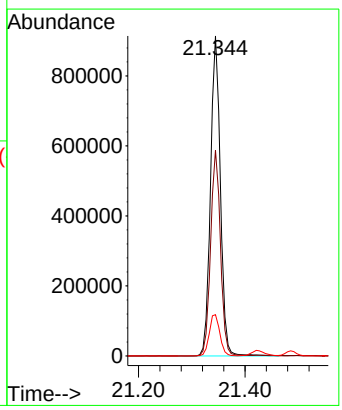
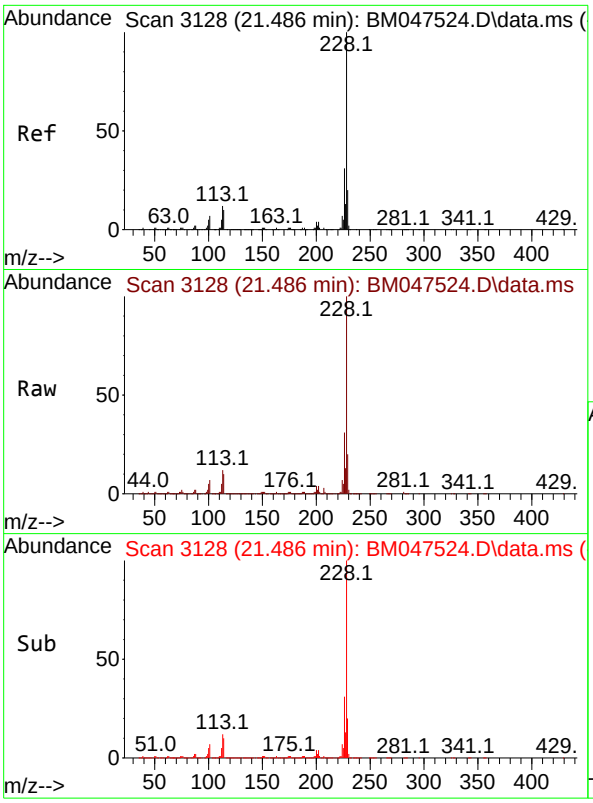


#82
3,3'-Dichlorobenzidine
Concen: 41.724 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 1177624

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	12.9	10.3	15.5

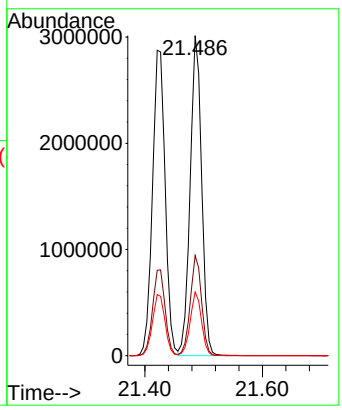




#83
Chrysene
Concen: 40.682 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:228 Resp: 408272

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	19.9	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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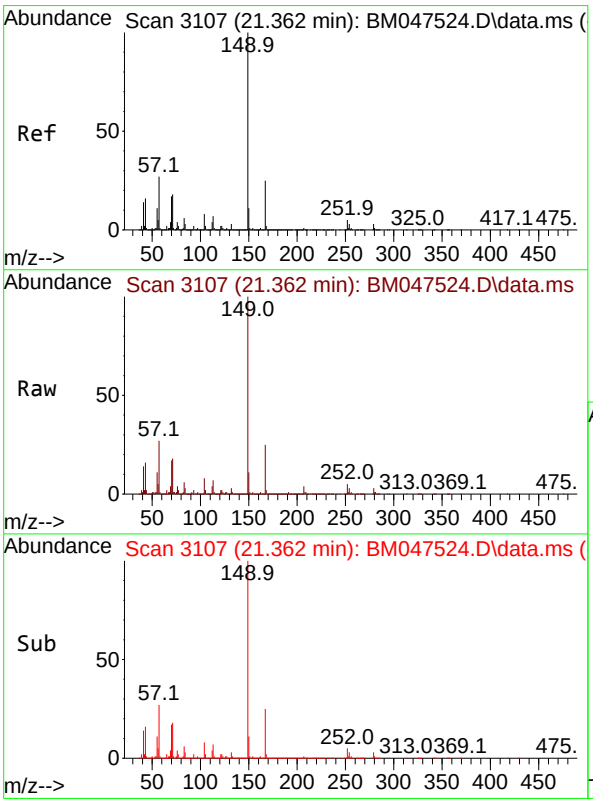
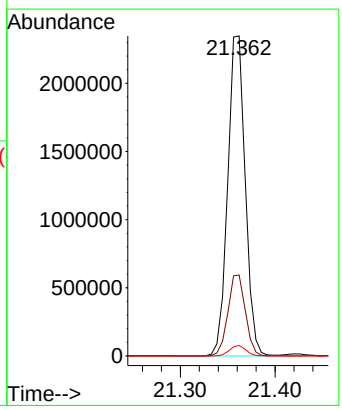
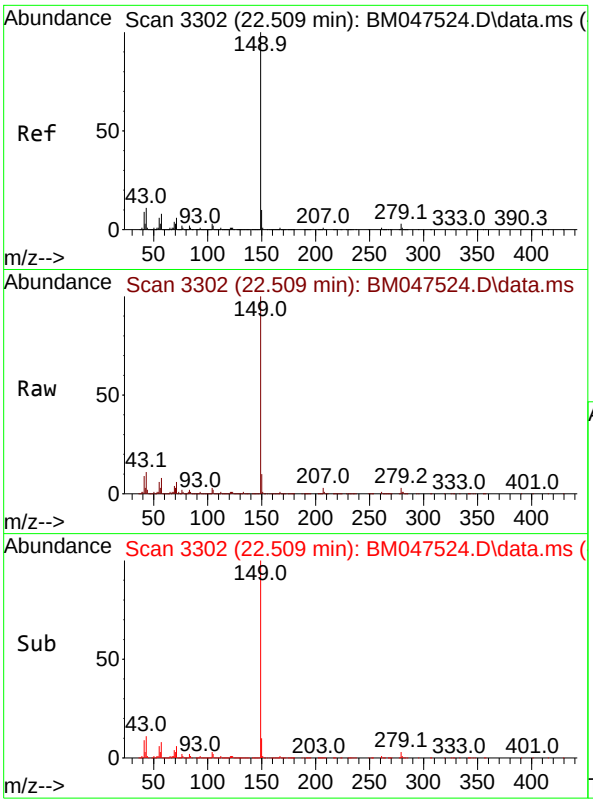


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.216 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 3022758

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.2	30.4
279	3.3	2.6	4.0

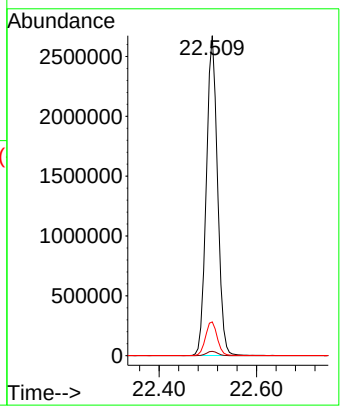




#85
Di-n-octyl phthalate
Concen: 41.825 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 423609

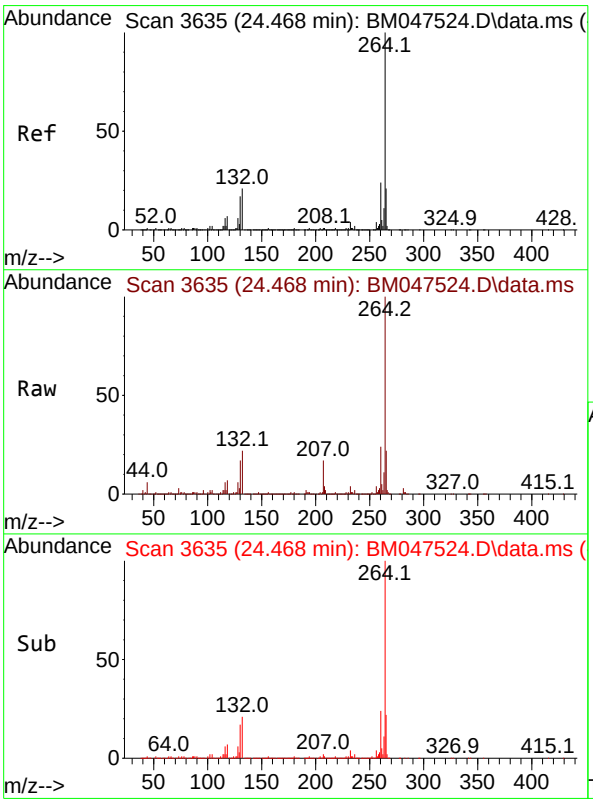
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.1	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

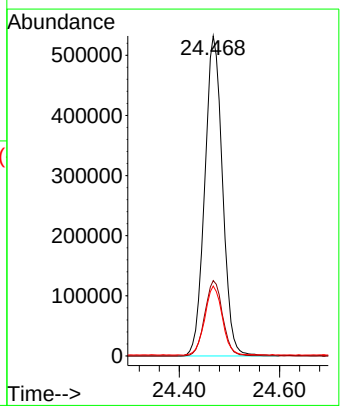
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

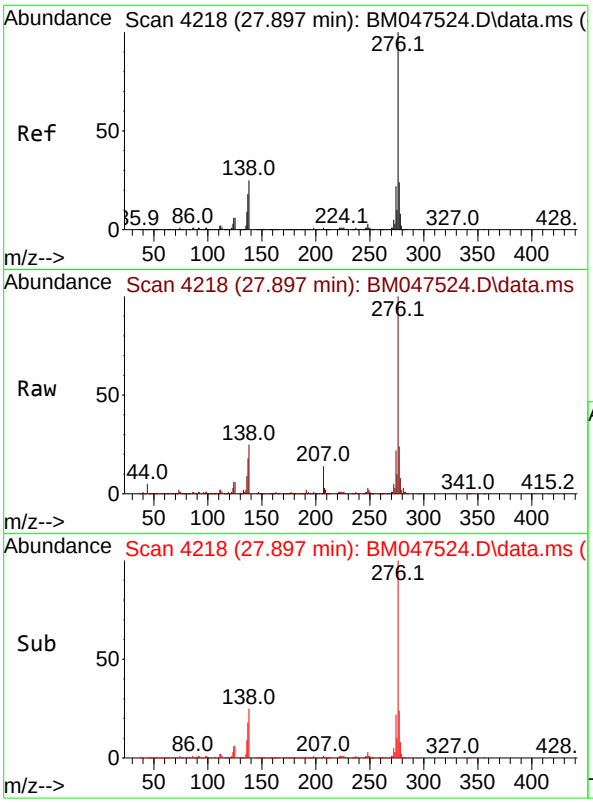


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:264 Resp: 1308860

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.8	17.4	26.2

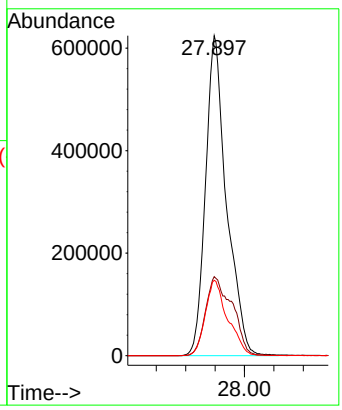




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.575 ng
RT: 27.897 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:276 Resp: 309982

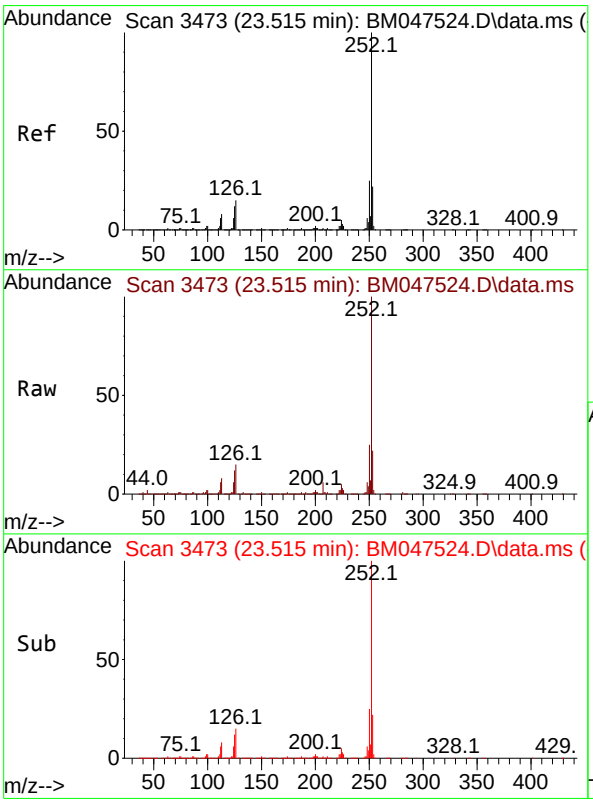
Ion	Ratio	Lower	Upper
276	100		
138	31.3	25.0	37.6
277	25.1	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

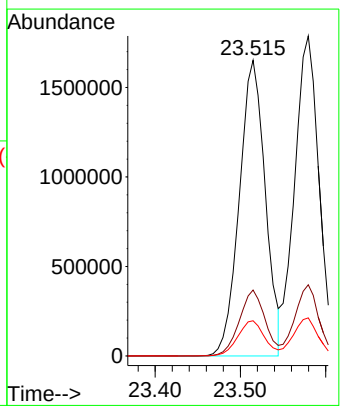
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

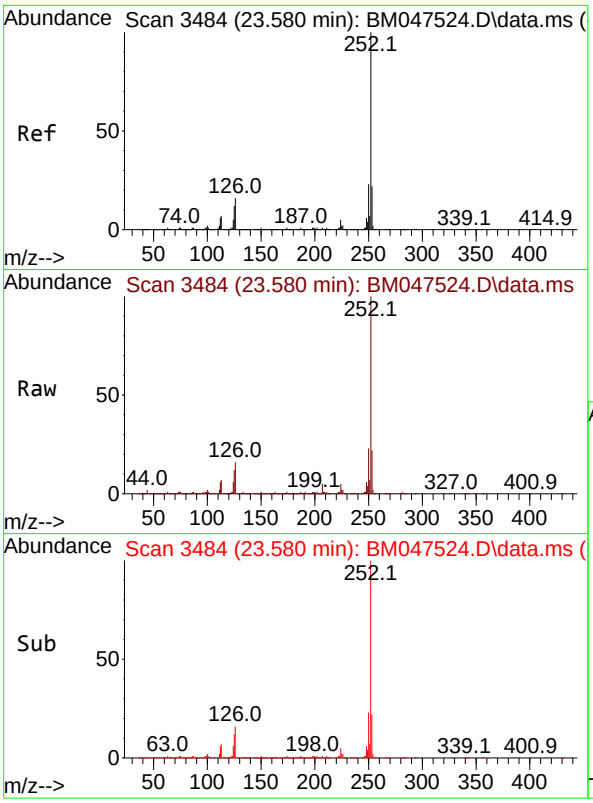


#88
Benzo(b)fluoranthene
Concen: 41.423 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 3507877

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.9	9.5	14.3

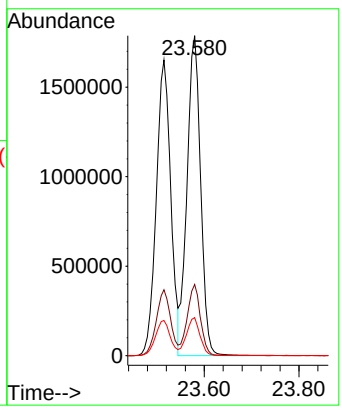




#89
Benzo(k)fluoranthene
Concen: 42.538 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 357021

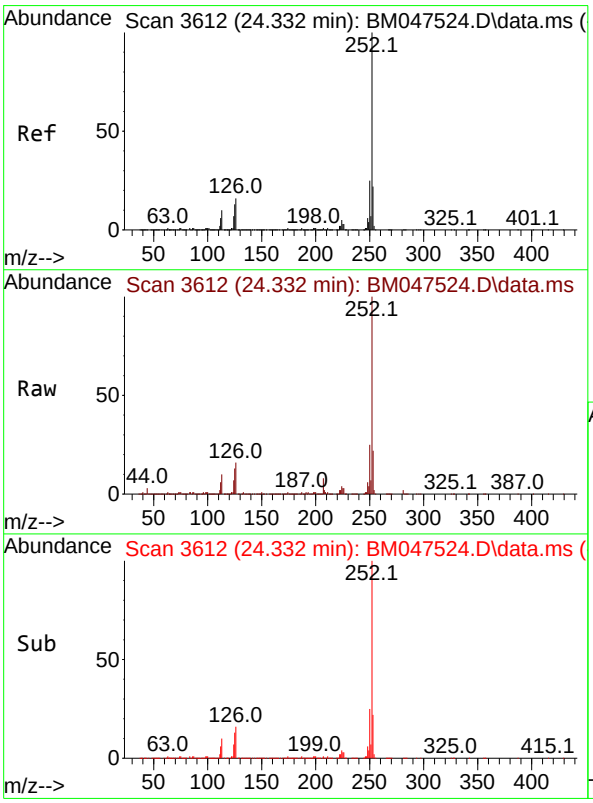
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.9	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

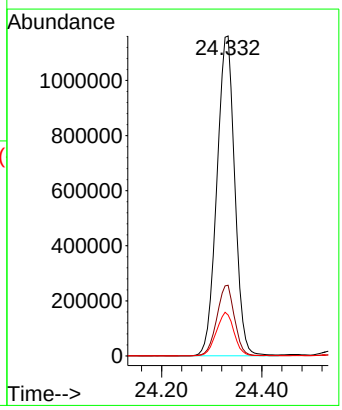
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

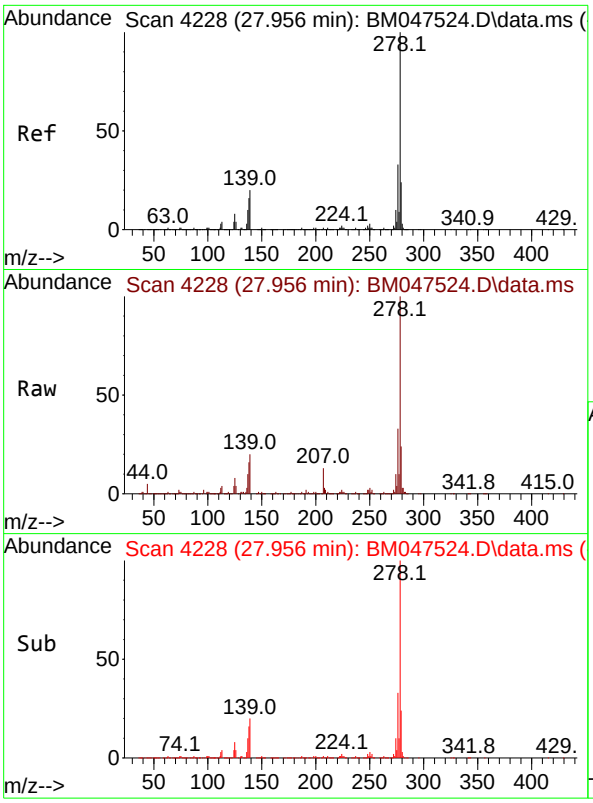


#90
Benzo(a)pyrene
Concen: 41.429 ng
RT: 24.332 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 2875521

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	12.8	10.2	15.4

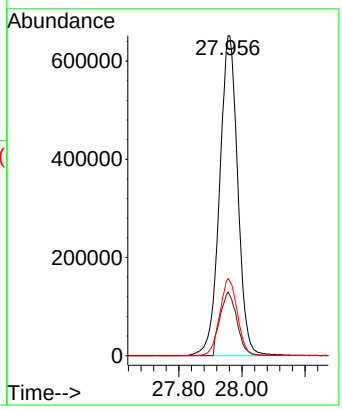




#91
Dibenzo(a,h)anthracene
Concen: 39.472 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:278 Resp: 260127

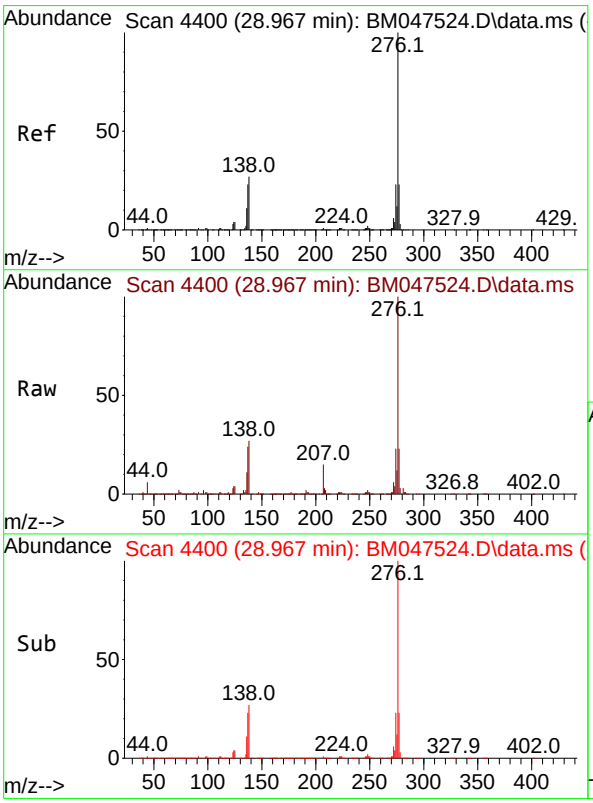
Ion	Ratio	Lower	Upper
278	100		
139	19.9	15.9	23.9
279	24.1	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

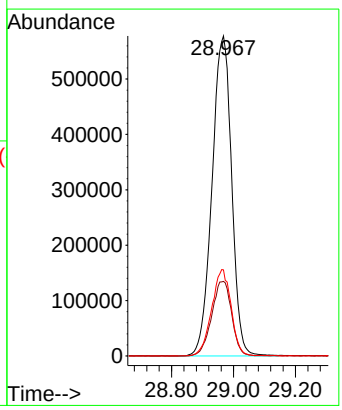
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#92
Benzo(g,h,i)perylene
Concen: 39.380 ng
RT: 28.967 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:276 Resp: 2535092

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	26.9	21.5	32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.851	152	390671	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1724946	20.000	ng		0.00
39) Acenaphthene-d10	14.480	164	1013275	20.000	ng		0.00
64) Phenanthrene-d10	17.215	188	1927087	20.000	ng		0.00
76) Chrysene-d12	21.444	240	1661575	20.000	ng		0.00
86) Perylene-d12	24.468	264	1297327	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	2431799	99.110	ng		0.00
7) Phenol-d6	7.010	99	3533803	102.269	ng		0.00
23) Nitrobenzene-d5	9.010	82	3449817	100.090	ng		0.00
42) 2,4,6-Tribromophenol	15.962	330	1070883	109.339	ng		0.00
45) 2-Fluorobiphenyl	13.110	172	7716038	104.898	ng		0.00
79) Terphenyl-d14	19.833	244	10292194	110.997	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	494117	47.017	ng		100
3) Pyridine	3.716	79	1522515m	48.683	ng		
4) n-Nitrosodimethylamine	3.628	42	700604	49.361	ng		99
6) Aniline	7.175	93	1526818	49.840	ng		98
8) 2-Chlorophenol	7.416	128	1343373	49.665	ng		99
9) Benzaldehyde	6.987	77	752916	45.825	ng		99
10) Phenol	7.040	94	1744000	50.407	ng		98
11) bis(2-Chloroethyl)ether	7.275	93	1364338	49.118	ng		99
12) 1,3-Dichlorobenzene	7.739	146	1432823	48.396	ng		98
13) 1,4-Dichlorobenzene	7.887	146	1471785	48.807	ng		100
14) 1,2-Dichlorobenzene	8.204	146	1454714	49.019	ng		99
15) Benzyl Alcohol	8.087	79	1201740	51.344	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.386	45	1903817	48.725	ng		99
17) 2-Methylphenol	8.287	107	1127230	51.000	ng		99
18) Hexachloroethane	8.939	117	589028	48.897	ng		99
19) n-Nitroso-di-n-propyla...	8.663	70	1203853	51.673	ng		98
20) 3+4-Methylphenols	8.616	107	1564378	50.725	ng		99
22) Acetophenone	8.669	105	2260781	49.852	ng	#	99
24) Nitrobenzene	9.045	77	1753123	49.499	ng		99
25) Isophorone	9.575	82	3063274	50.553	ng		100
26) 2-Nitrophenol	9.757	139	653650	54.160	ng		99
27) 2,4-Dimethylphenol	9.822	122	916681	50.105	ng		99
28) bis(2-Chloroethoxy)met...	10.057	93	1881906	49.443	ng		99
29) 2,4-Dichlorophenol	10.292	162	1205992	51.885	ng		99
30) 1,2,4-Trichlorobenzene	10.510	180	1316098	49.431	ng		99
31) Naphthalene	10.698	128	4651117	49.926	ng		100
32) Benzoic acid	9.969	122	890510	49.165	ng		100
33) 4-Chloroaniline	10.804	127	1696889	50.379	ng		99
34) Hexachlorobutadiene	10.992	225	727359	49.322	ng		99
35) Caprolactam	11.586	113	403073	52.645	ng		96
36) 4-Chloro-3-methylphenol	11.922	107	1377067	51.697	ng		100
37) 2-Methylnaphthalene	12.310	142	3135943	50.577	ng		99
38) 1-Methylnaphthalene	12.527	142	3140091	50.961	ng		100
40) 1,2,4,5-Tetrachloroben...	12.674	216	1404023	51.207	ng		99
41) Hexachlorocyclopentadiene	12.663	237	459860	51.304	ng		97
43) 2,4,6-Trichlorophenol	12.910	196	906659	52.782	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	1019629	52.552	ng	99
46) 1,1'-Biphenyl	13.321	154	4013259	50.905	ng	99
47) 2-Chloronaphthalene	13.357	162	3125991	51.065	ng	100
48) 2-Nitroaniline	13.551	65	962763	53.545	ng	99
49) Acenaphthylene	14.204	152	4539122	51.383	ng	100
50) Dimethylphthalate	13.945	163	3486930	50.489	ng	100
51) 2,6-Dinitrotoluene	14.051	165	760004	52.129	ng	99
52) Acenaphthene	14.545	154	3208580	51.838	ng	98
53) 3-Nitroaniline	14.374	138	859887	53.063	ng	96
54) 2,4-Dinitrophenol	14.580	184	341766	49.904	ng	94
55) Dibenzofuran	14.880	168	4414383	50.752	ng	100
56) 4-Nitrophenol	14.680	139	719745	53.975	ng	96
57) 2,4-Dinitrotoluene	14.833	165	1036584	53.310	ng	99
58) Fluorene	15.527	166	4160088	53.124	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.104	232	792620	52.397	ng	99
60) Diethylphthalate	15.304	149	3731359	50.766	ng	99
61) 4-Chlorophenyl-phenyle...	15.521	204	1887920	52.727	ng	100
62) 4-Nitroaniline	15.539	138	1057003	55.490	ng	99
63) Azobenzene	15.815	77	4100103	50.661	ng	99
65) 4,6-Dinitro-2-methylph...	15.598	198	465523	47.513	ng	91
66) n-Nitrosodiphenylamine	15.733	169	3050884	51.751	ng	99
67) 4-Bromophenyl-phenylether	16.415	248	970005	51.803	ng	95
68) Hexachlorobenzene	16.527	284	1080606	50.942	ng	99
69) Atrazine	16.680	200	839707	51.534	ng	100
70) Pentachlorophenol	16.868	266	673070	54.737	ng	99
71) Phenanthrene	17.262	178	5449671	51.315	ng	100
72) Anthracene	17.351	178	5311241	52.053	ng	99
73) Carbazole	17.615	167	5228117	51.703	ng	100
74) Di-n-butylphthalate	18.186	149	6497317	53.702	ng	100
75) Fluoranthene	19.268	202	6149497	53.071	ng	100
77) Benzidine	19.445	184	1099341	46.978	ng	99
78) Pyrene	19.627	202	6496279	53.600	ng	99
80) Butylbenzylphthalate	20.527	149	2508902	53.774	ng	99
81) Benzo(a)anthracene	21.427	228	5503768	50.819	ng	100
82) 3,3'-Dichlorobenzidine	21.344	252	1478863	51.333	ng	99
83) Chrysene	21.486	228	5192530	50.689	ng	100
84) Bis(2-ethylhexyl)phtha...	21.362	149	3935057	53.839	ng	98
85) Di-n-octyl phthalate	22.509	149	5438065	52.601	ng	99
87) Indeno(1,2,3-cd)pyrene	27.903	276	4016293	51.731	ng	99
88) Benzo(b)fluoranthene	23.515	252	4477877	53.347	ng	100
89) Benzo(k)fluoranthene	23.580	252	4380104	52.652	ng	99
90) Benzo(a)pyrene	24.333	252	3613289	52.521	ng	99
91) Dibenzo(a,h)anthracene	27.968	278	3394181	51.962	ng	98
92) Benzo(g,h,i)perylene	28.968	276	3302500	51.757	ng	99

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

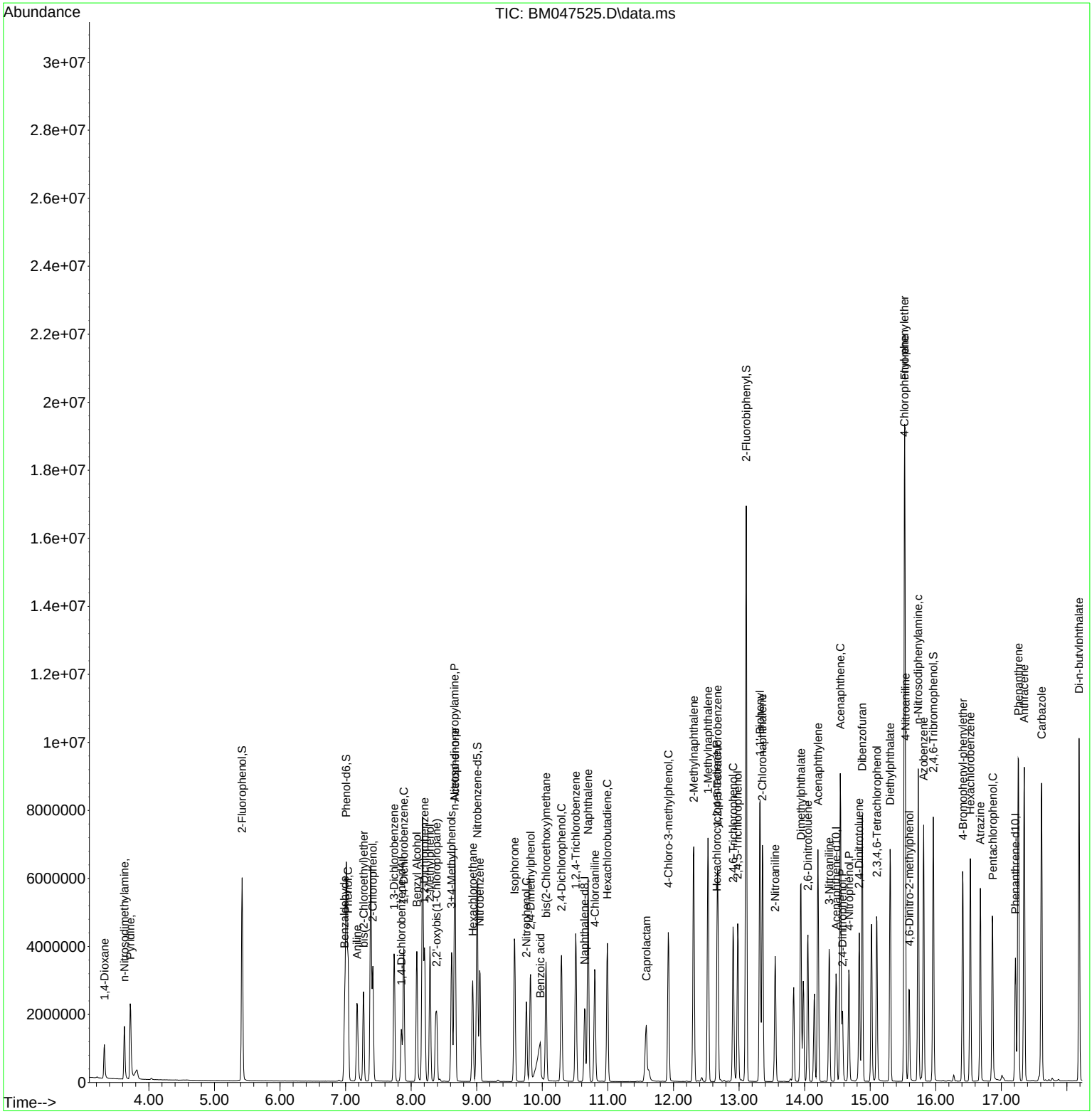
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

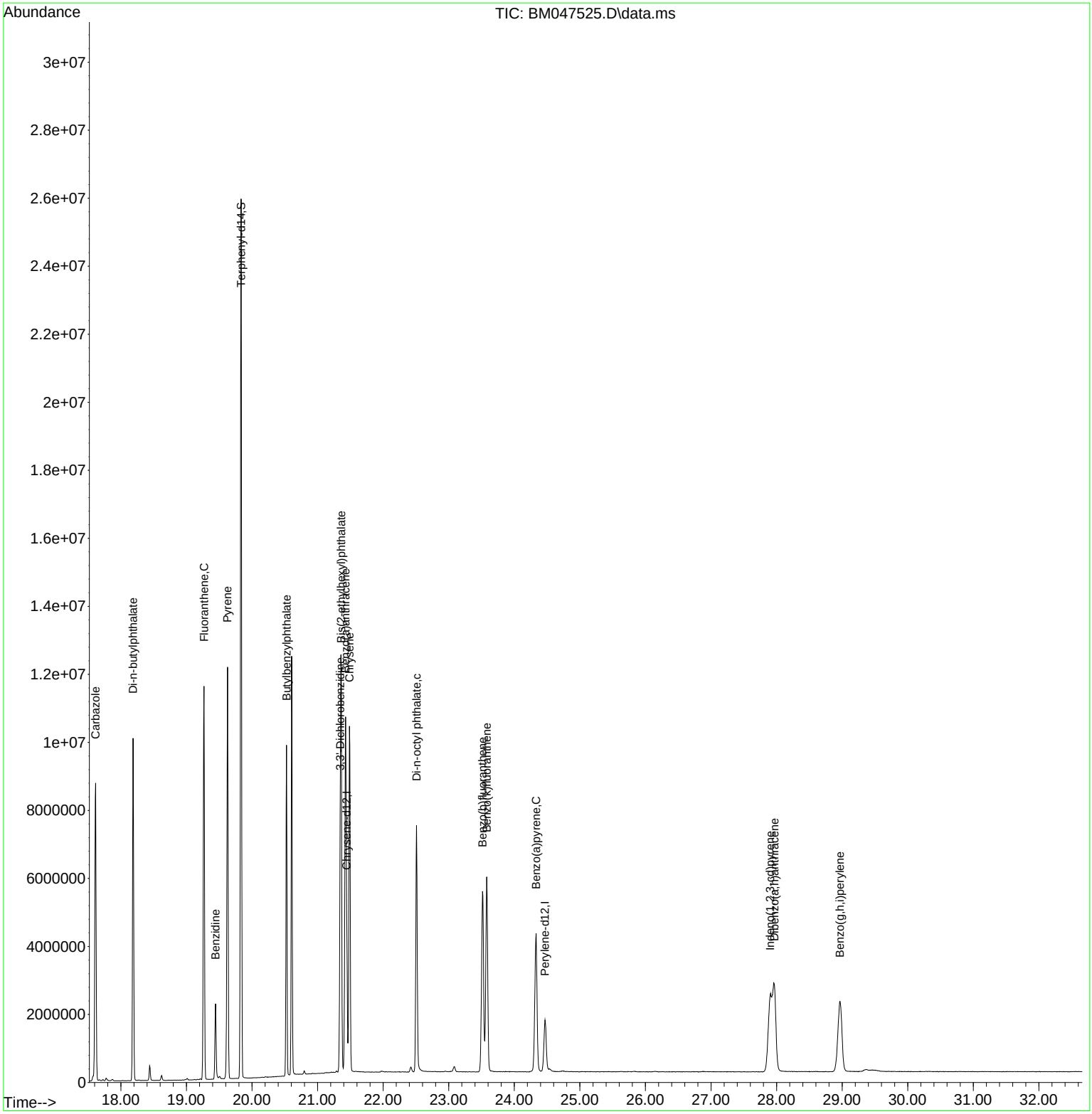
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

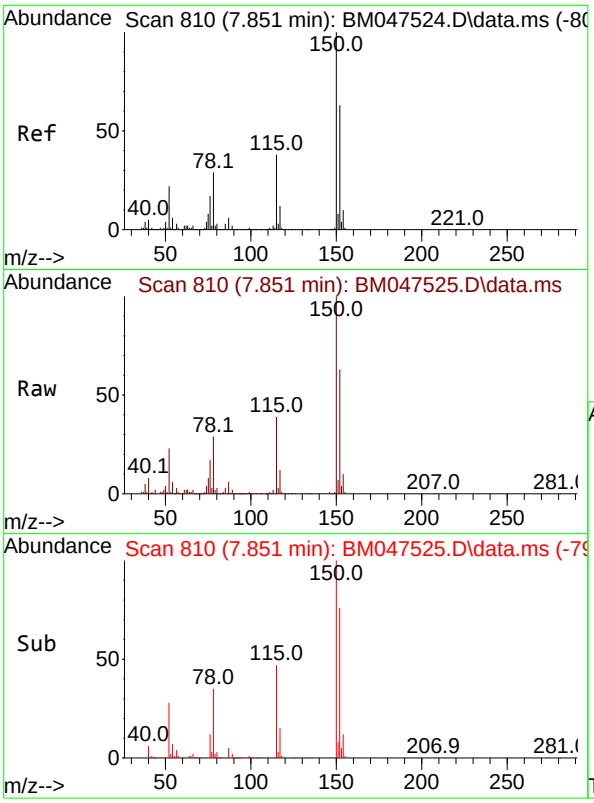
Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

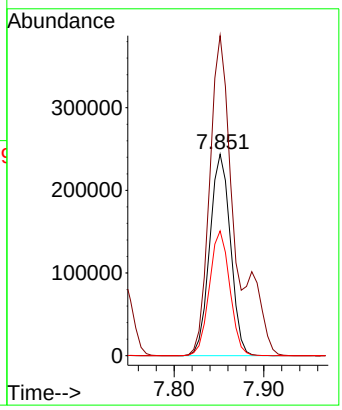




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:152 Resp: 39067

Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.8	190.2
115	61.9	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
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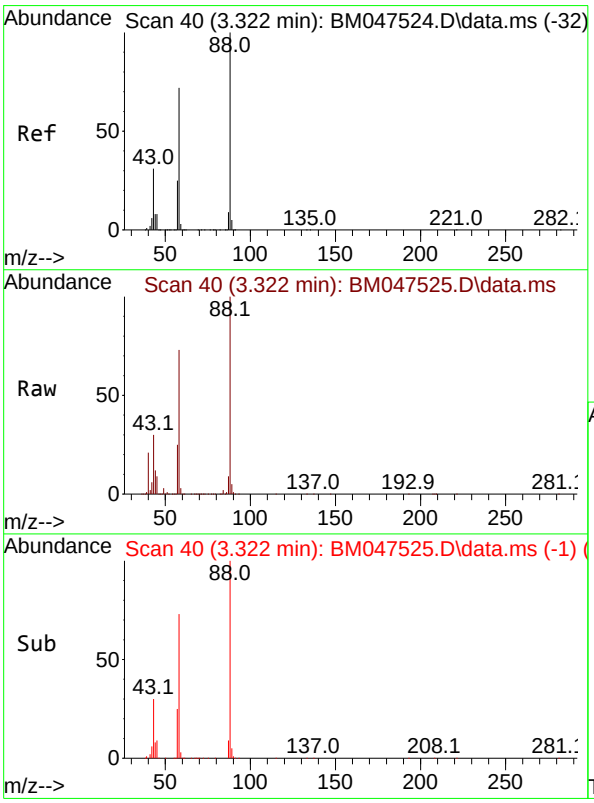
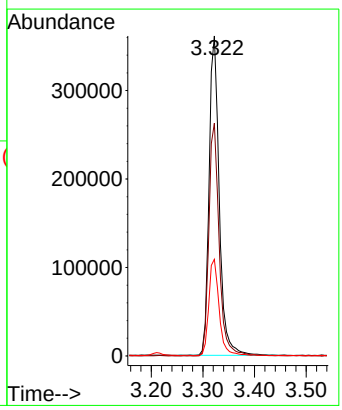
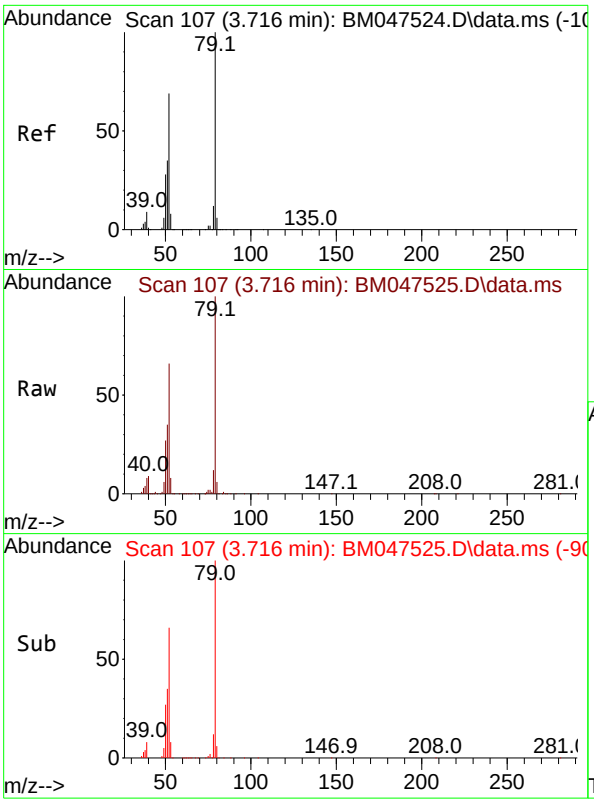


#2
1,4-Dioxane
Concen: 47.017 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 88 Resp: 494117

Ion	Ratio	Lower	Upper
88	100		
58	73.7	59.0	88.6
43	30.9	25.0	37.4

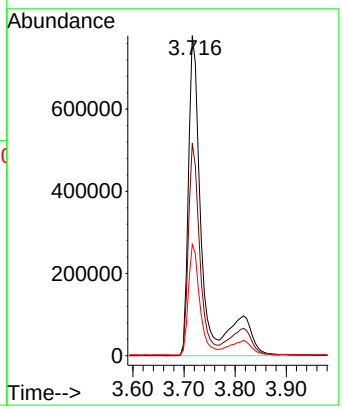




#3
Pyridine
Concen: 48.683 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 79 Resp: 152251

Ion	Ratio	Lower	Upper
79	100		
52	66.4	55.4	83.0
51	34.8	27.9	41.9



Instrument :
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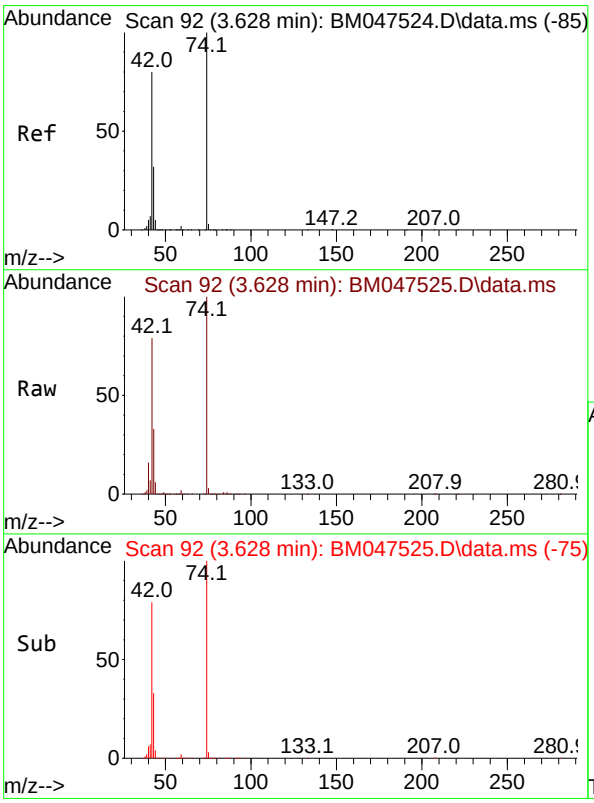
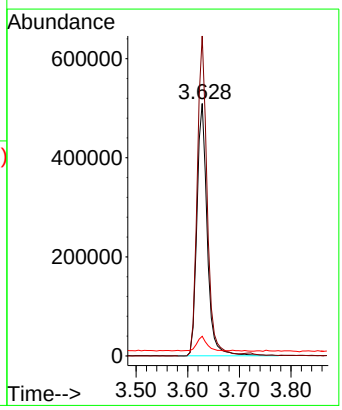
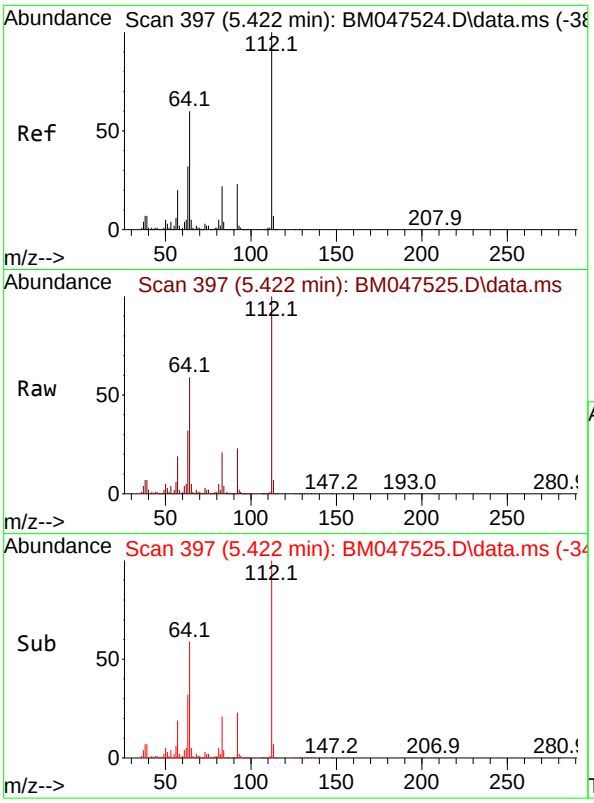


#4
n-Nitrosodimethylamine
Concen: 49.361 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 42 Resp: 700604

Ion	Ratio	Lower	Upper
42	100		
74	126.7	100.5	150.7
44	7.8	6.9	10.3

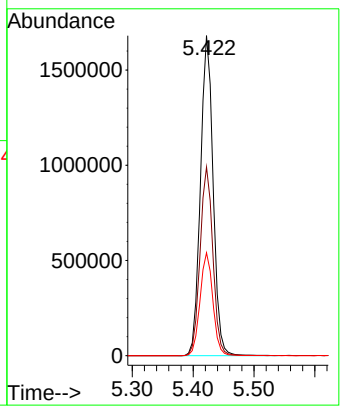




#5
2-Fluorophenol
Concen: 99.110 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:112 Resp: 243179

Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.2	72.4
63	32.1	26.0	39.0



Instrument :
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ClientSampleId :
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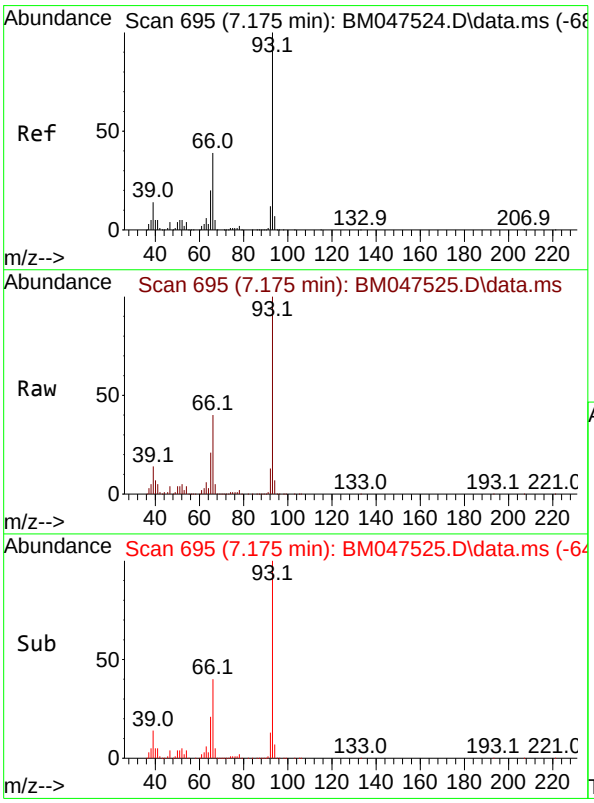
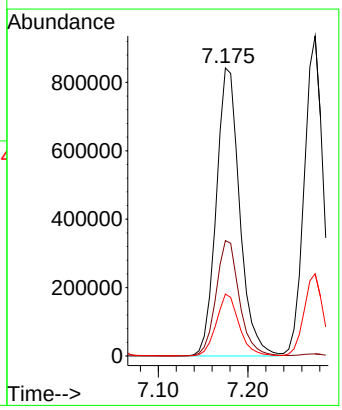
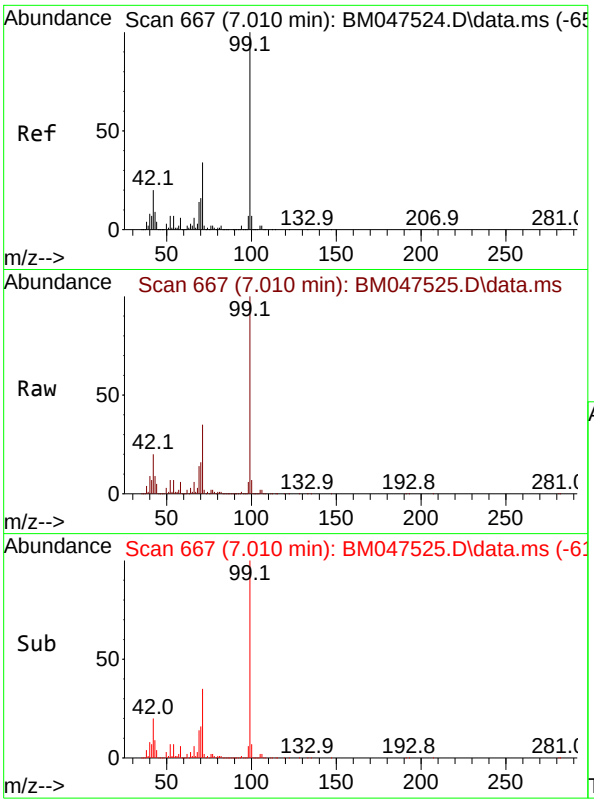


#6
Aniline
Concen: 49.840 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 93 Resp: 1526818

Ion	Ratio	Lower	Upper
93	100		
66	40.0	31.4	47.0
65	21.5	16.3	24.5

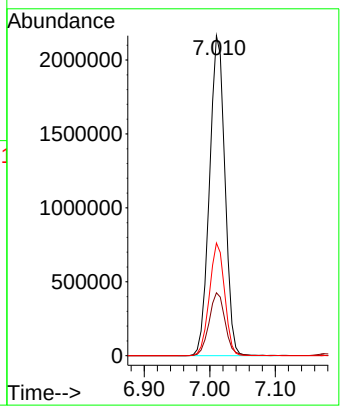




#7
Phenol-d6
Concen: 102.269 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 99 Resp: 353380

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.8	23.8
71	35.2	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
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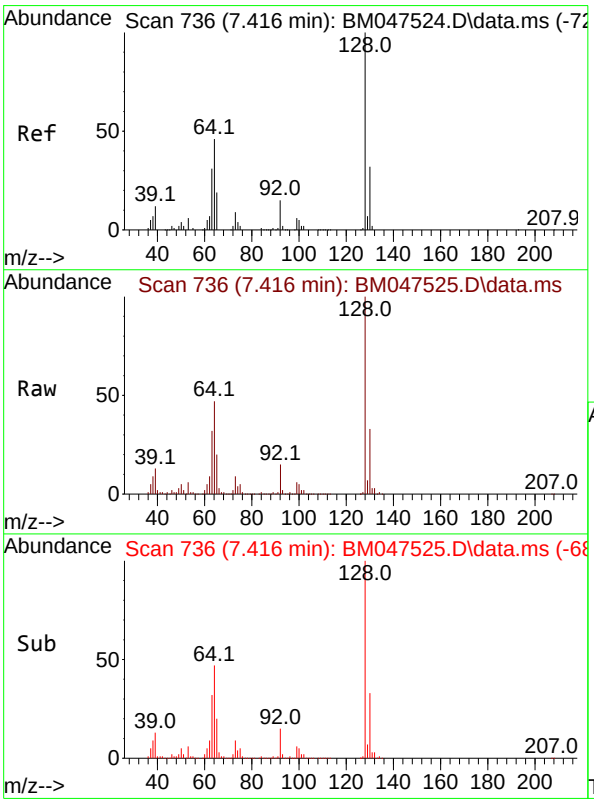
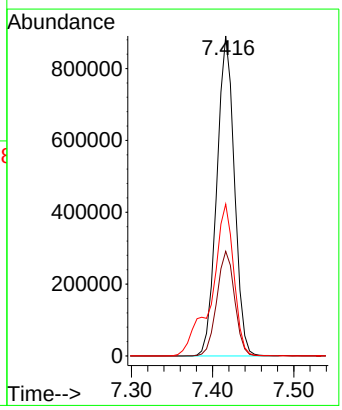
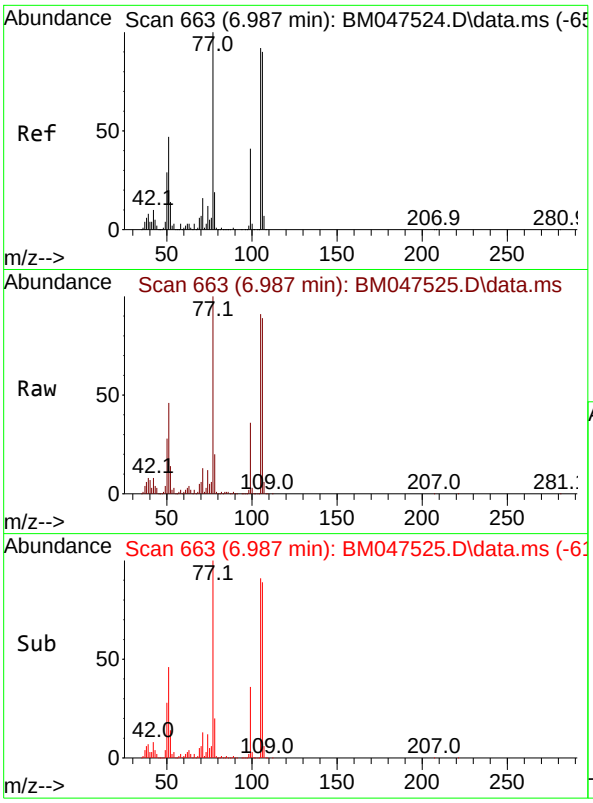


#8
2-Chlorophenol
Concen: 49.665 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:128 Resp: 1343373

Ion	Ratio	Lower	Upper
128	100		
130	32.7	11.8	51.8
64	47.4	27.6	67.6

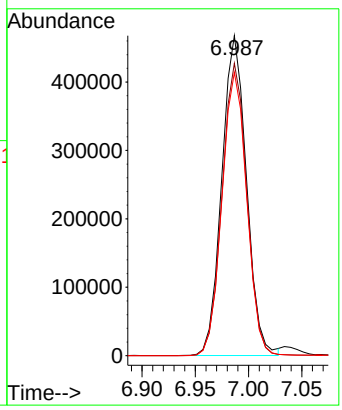




#9
Benzaldehyde
Concen: 45.825 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 77 Resp: 75291

Ion	Ratio	Lower	Upper
77	100		
105	91.3	71.8	111.8
106	88.5	69.7	109.7



Instrument :
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ClientSampleId :
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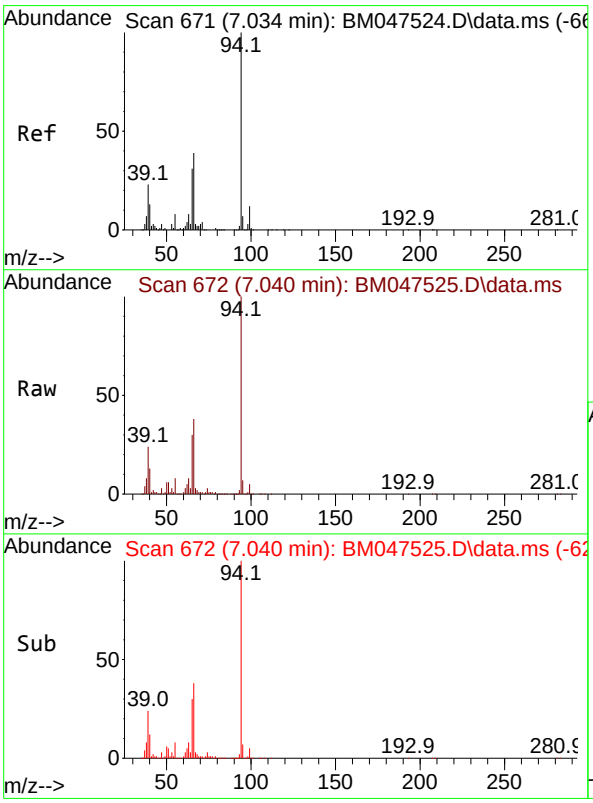
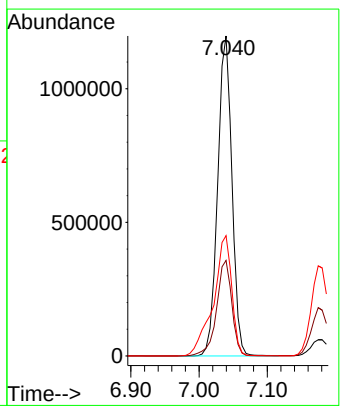
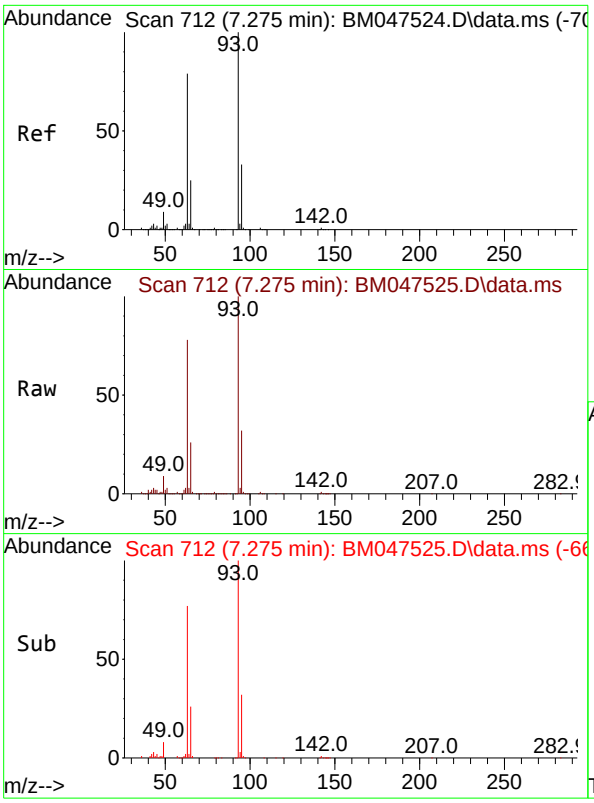


#10
Phenol
Concen: 50.407 ng
RT: 7.040 min Scan# 672
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 94 Resp: 1744000

Ion	Ratio	Lower	Upper
94	100		
65	29.9	10.8	50.8
66	37.6	19.2	59.2

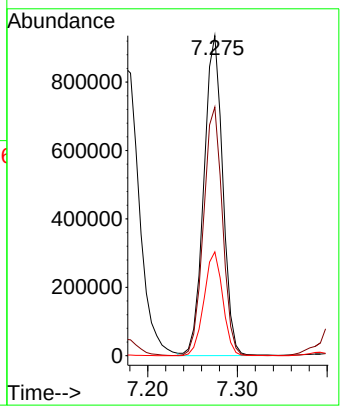




#11
bis(2-Chloroethyl)ether
Concen: 49.118 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 93 Resp: 136433

Ion	Ratio	Lower	Upper
93	100		
63	77.7	58.2	98.2
95	32.4	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
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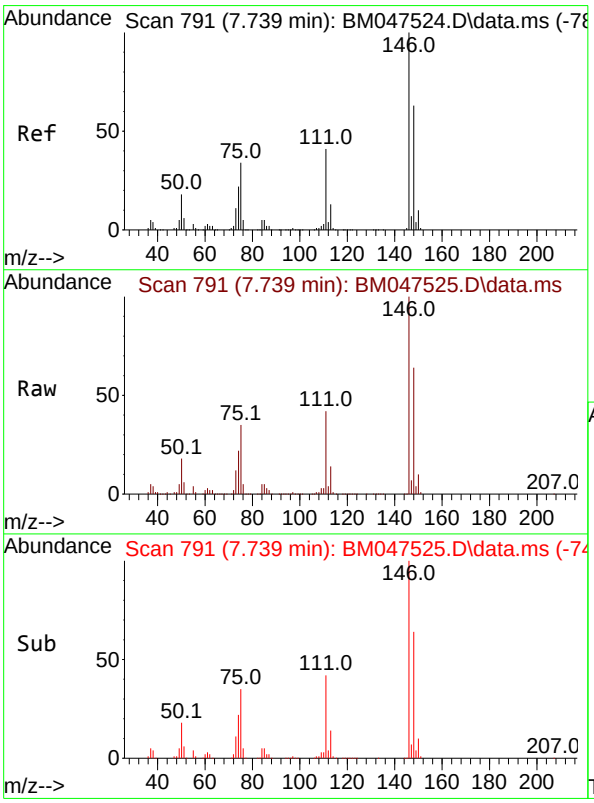
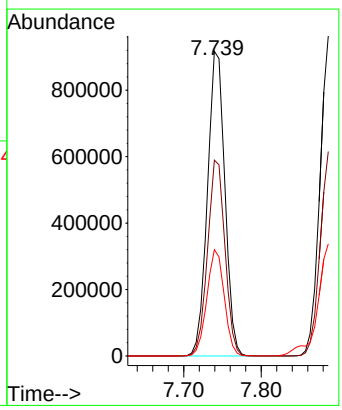
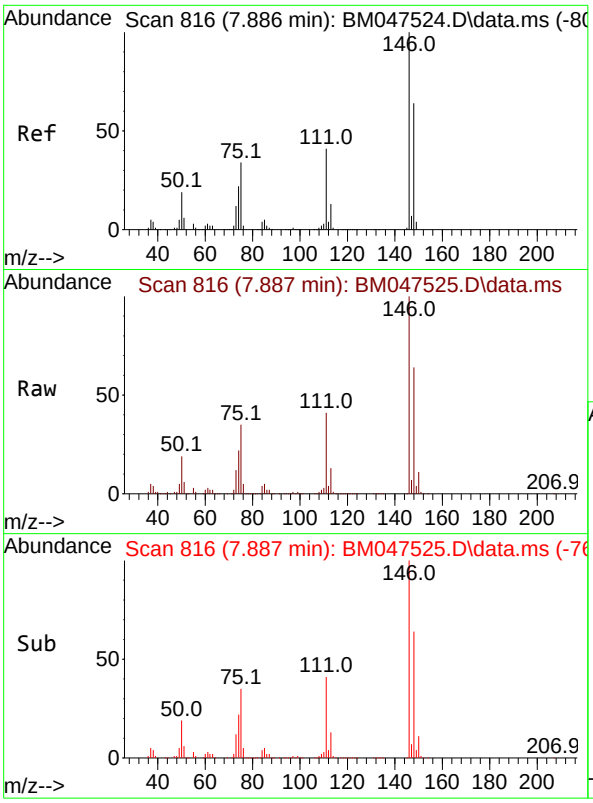


#12
1,3-Dichlorobenzene
Concen: 48.396 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:146 Resp: 1432823

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.2	75.4
75	34.9	27.4	41.0

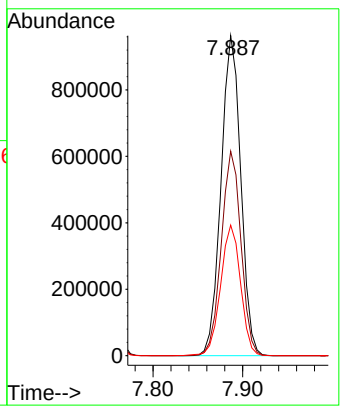




#13
1,4-Dichlorobenzene
Concen: 48.807 ng
RT: 7.887 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:146 Resp: 147178

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	40.8	32.9	49.3



Instrument :
BNA_M
ClientSampleId :
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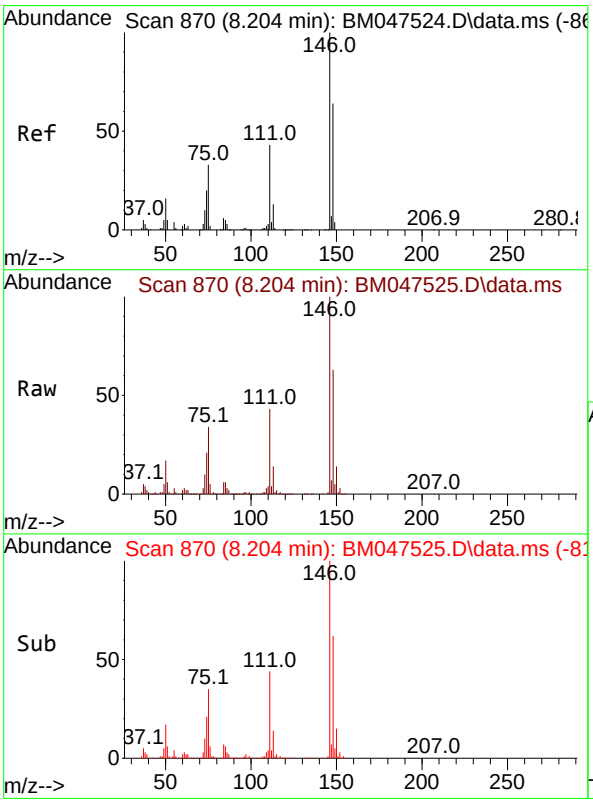
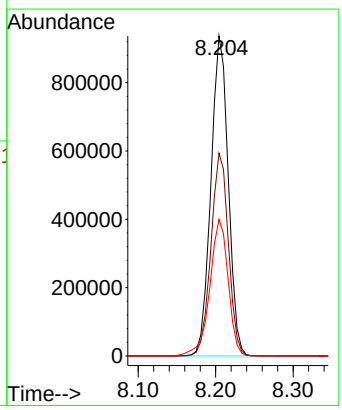
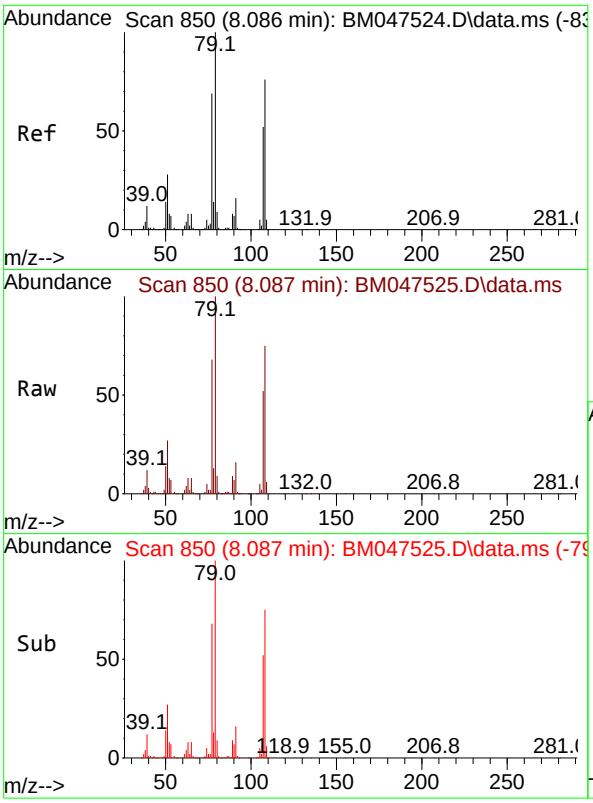


#14
1,2-Dichlorobenzene
Concen: 49.019 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:146 Resp: 1454714

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.1	76.7
111	42.7	34.7	52.1

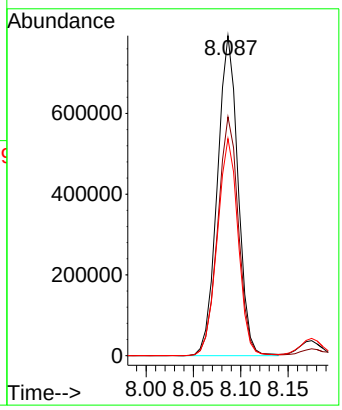




#15
Benzyl Alcohol
Concen: 51.344 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 79 Resp: 120174

Ion	Ratio	Lower	Upper
79	100		
108	74.7	60.6	91.0
77	67.8	55.0	82.4



Instrument :
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ClientSampleId :
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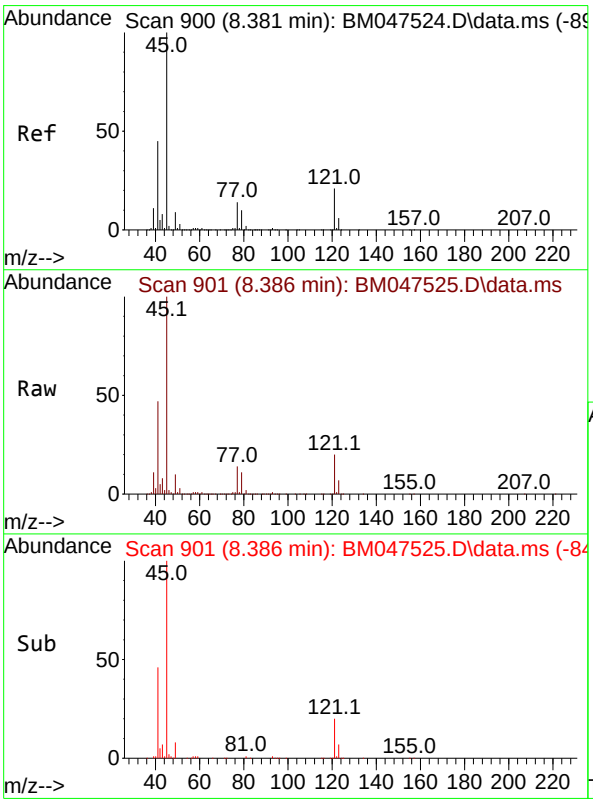
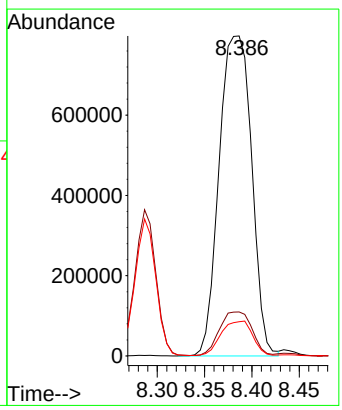
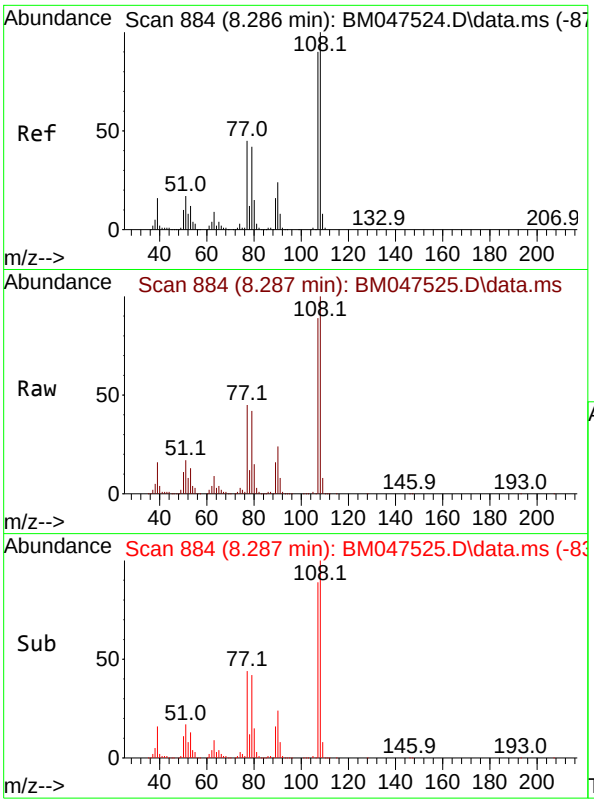


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.725 ng
RT: 8.386 min Scan# 901
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 45 Resp: 1903817

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	33.7
79	10.7	0.0	30.3

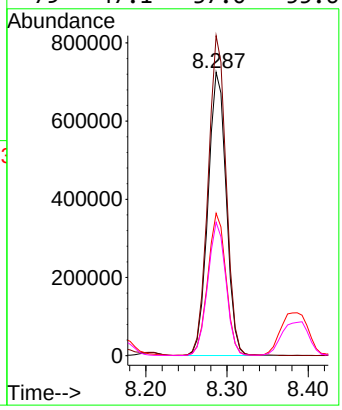




#17
2-Methylphenol
Concen: 51.000 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:107 Resp: 112723

Ion	Ratio	Lower	Upper
107	100		
108	112.9	88.9	133.3
77	50.3	39.8	59.8
79	47.1	37.0	55.6



Instrument :
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ClientSampleId :
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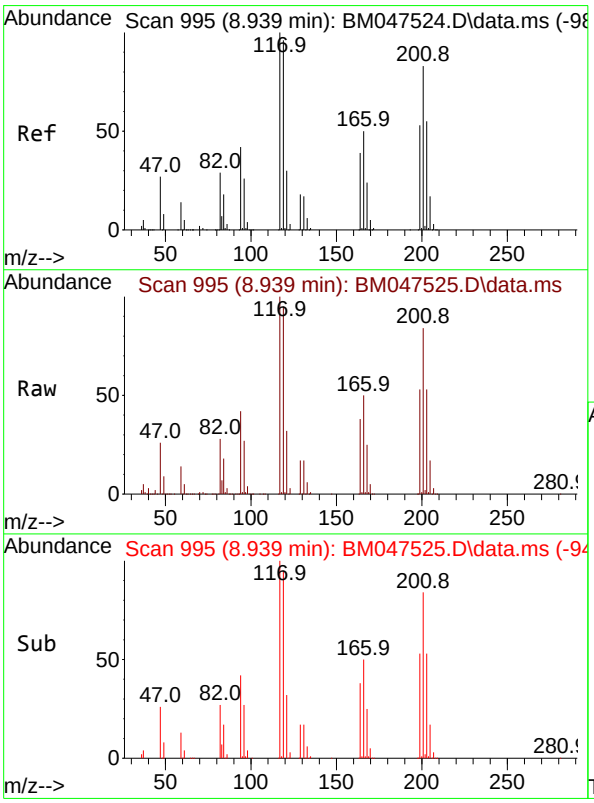
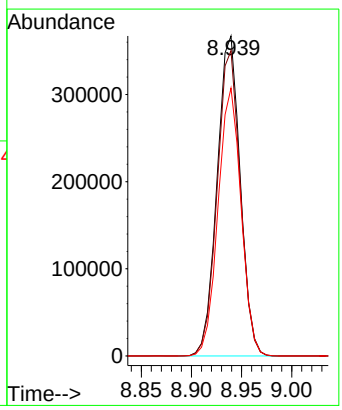
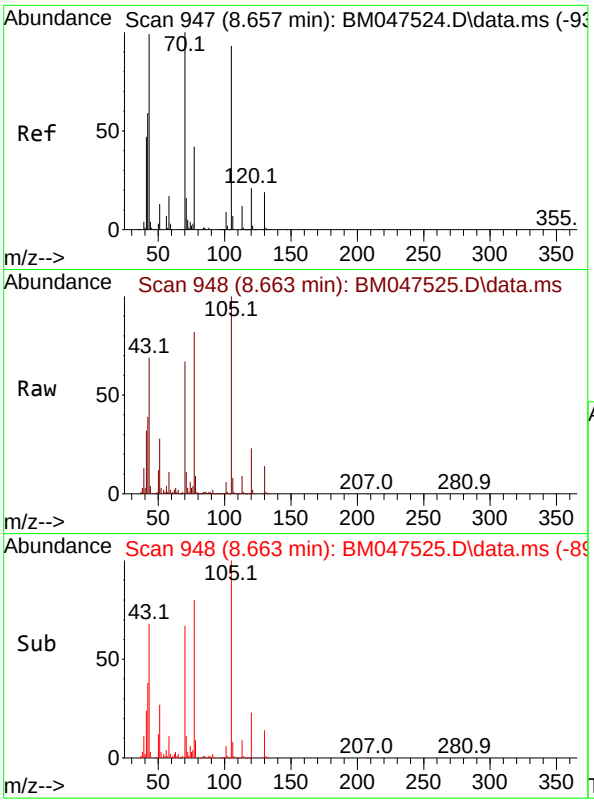


#18
Hexachloroethane
Concen: 48.897 ng
RT: 8.939 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:117 Resp: 589028

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.4
201	83.7	66.8	100.2

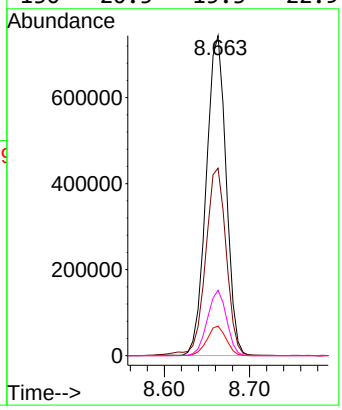




#19
n-Nitroso-di-n-propylamine
Concen: 51.673 ng
RT: 8.663 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 70 Resp: 120385

Ion	Ratio	Lower	Upper
70	100		
42	58.6	48.2	72.2
101	9.3	7.0	10.4
130	20.5	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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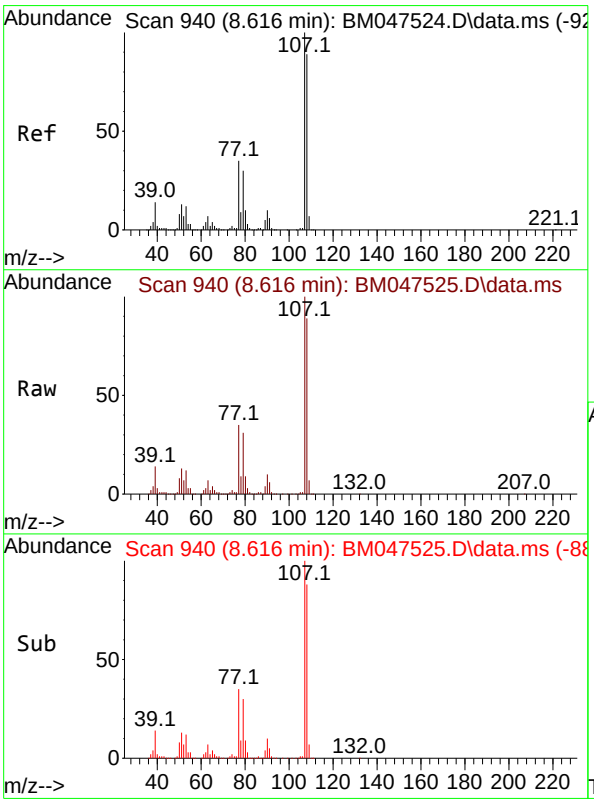
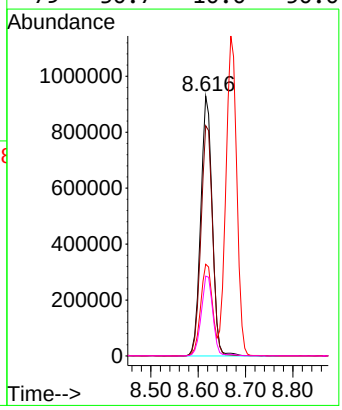
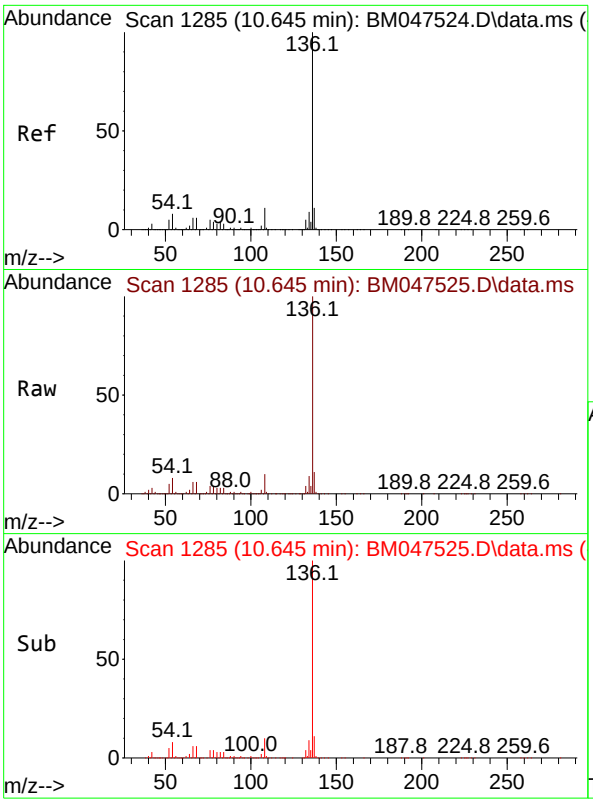


#20
3+4-Methylphenols
Concen: 50.725 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:107 Resp: 1564378

Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.9	108.9
77	35.3	15.5	55.5
79	30.7	10.0	50.0

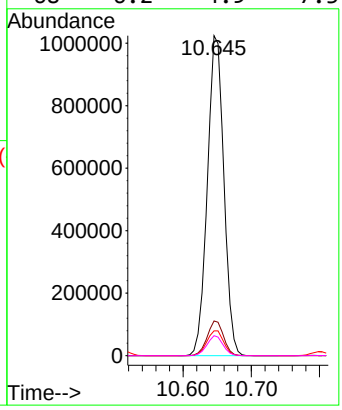




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:136 Resp: 172494

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.7	6.6	9.8
68	6.2	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
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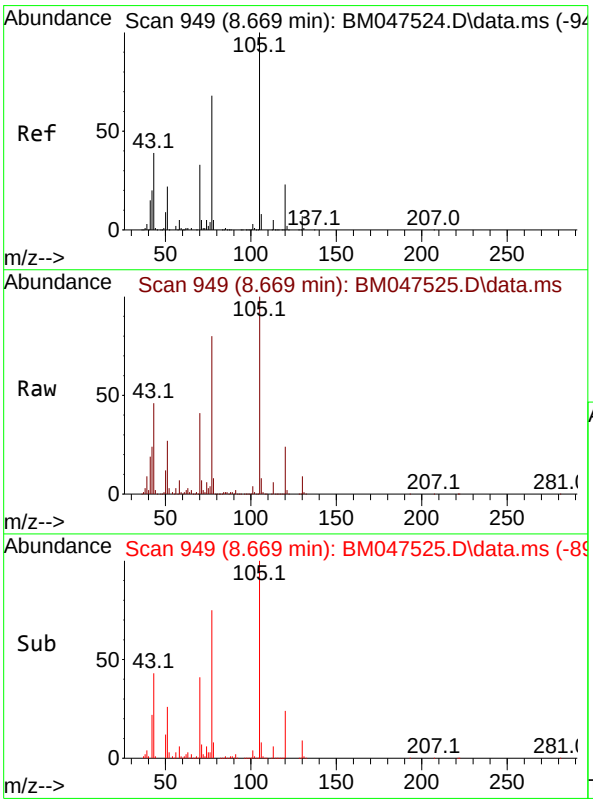
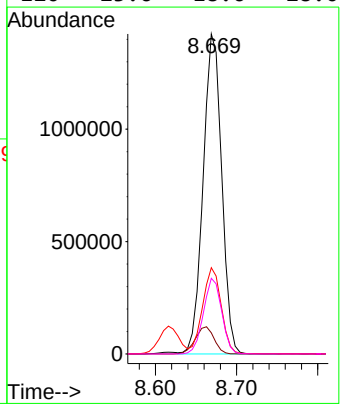
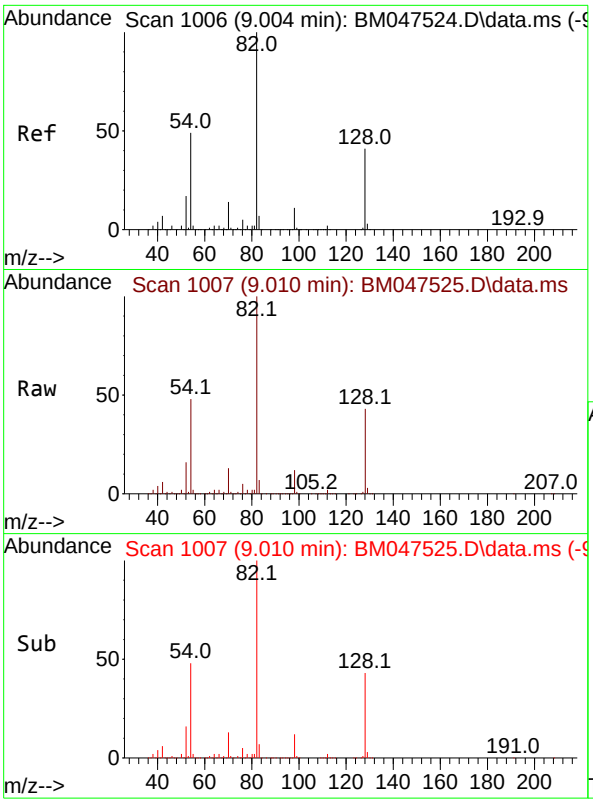


#22
Acetophenone
Concen: 49.852 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:105 Resp: 2260781

Ion	Ratio	Lower	Upper
105	100		
71	6.6	4.3	6.5#
51	27.0	21.5	32.3
120	23.6	18.6	28.0

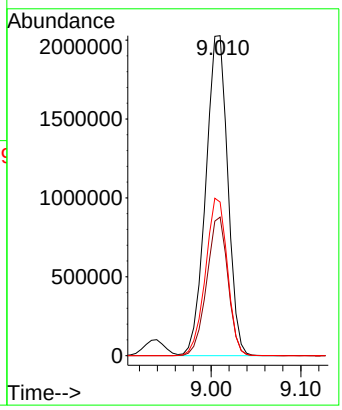




#23
Nitrobenzene-d5
Concen: 100.090 ng
RT: 9.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 82 Resp: 344981

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.0	49.4
54	48.0	39.3	58.9



Instrument :
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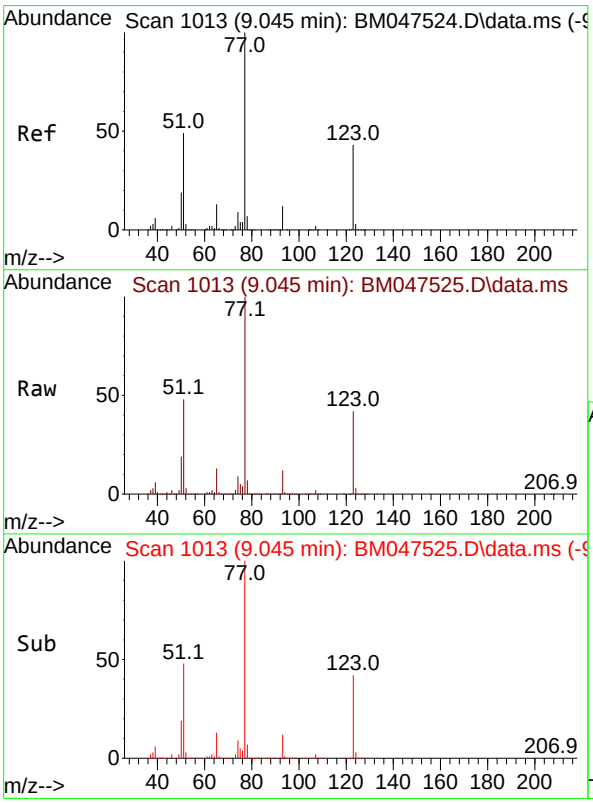
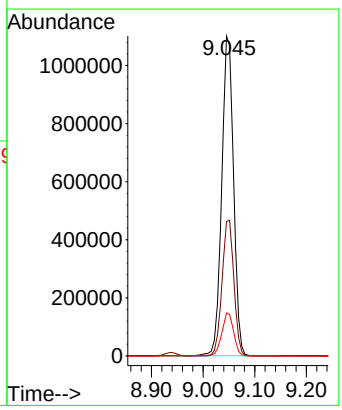
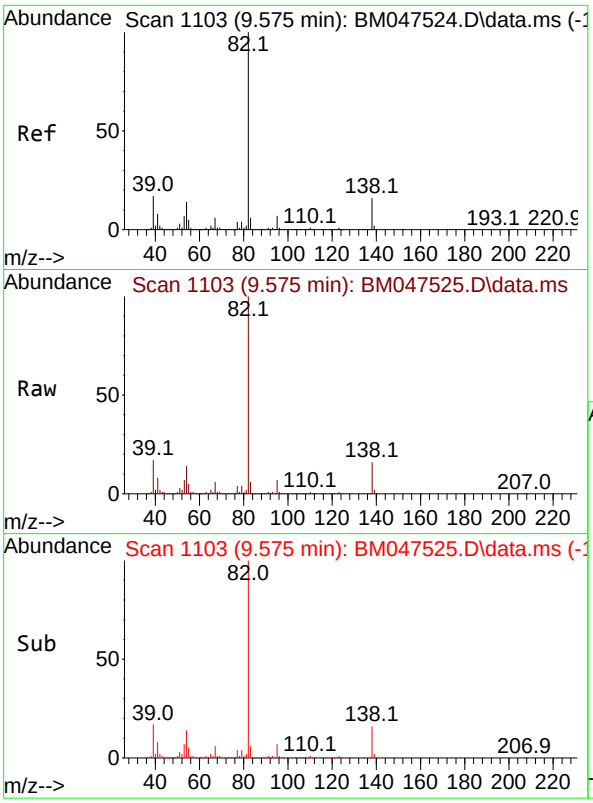


#24
Nitrobenzene
Concen: 49.499 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 77 Resp: 1753123

Ion	Ratio	Lower	Upper
77	100		
123	42.0	34.5	51.7
65	13.4	10.7	16.1

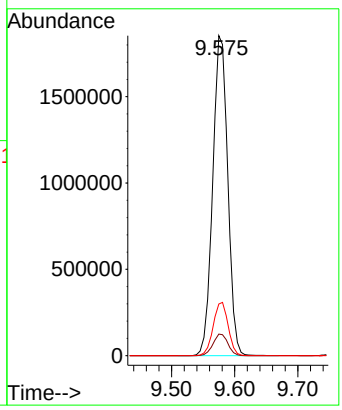




#25
Isophorone
Concen: 50.553 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 82 Resp: 306327

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.0
138	16.1	12.9	19.3



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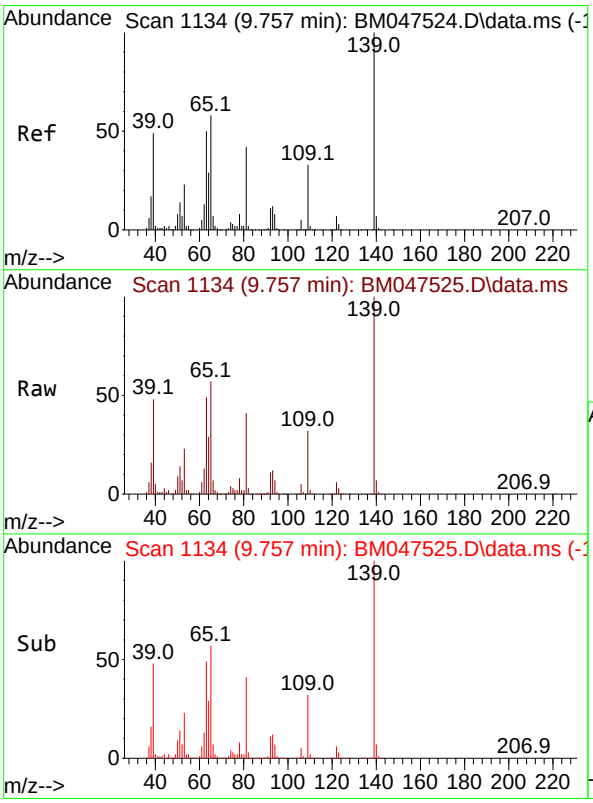
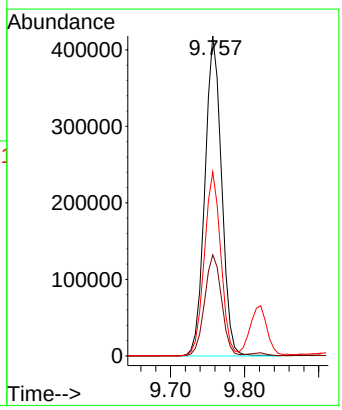
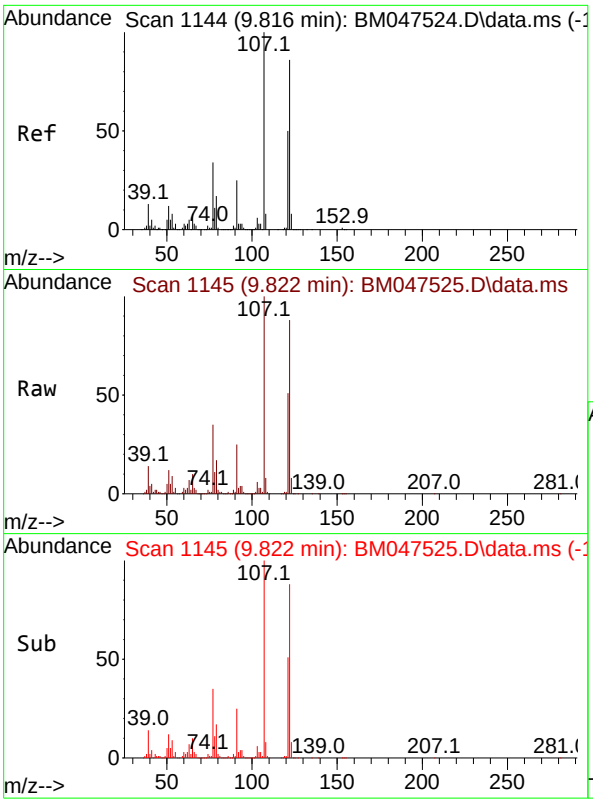


#26
2-Nitrophenol
Concen: 54.160 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:139 Resp: 653650

Ion	Ratio	Lower	Upper
139	100		
109	31.6	26.0	39.0
65	57.5	46.2	69.4

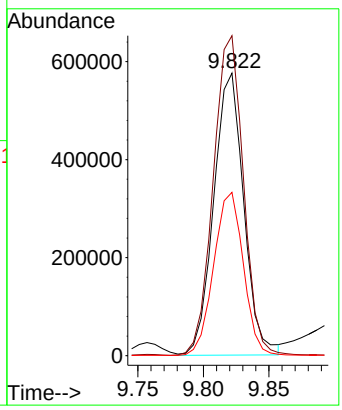




#27
2,4-Dimethylphenol
Concen: 50.105 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:122 Resp: 91668

Ion	Ratio	Lower	Upper
122	100		
107	113.2	92.4	138.6
121	57.8	46.2	69.4



Instrument :
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ClientSampleId :
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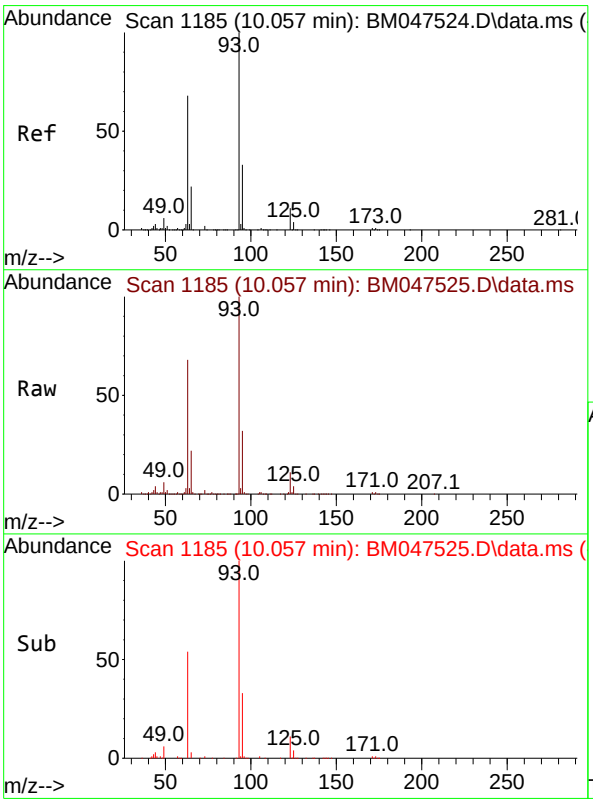
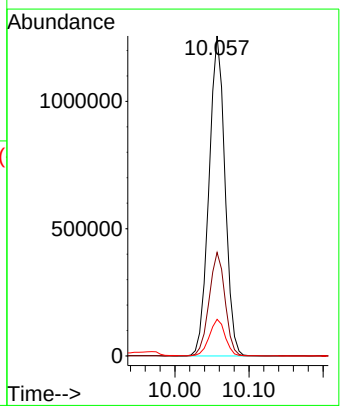
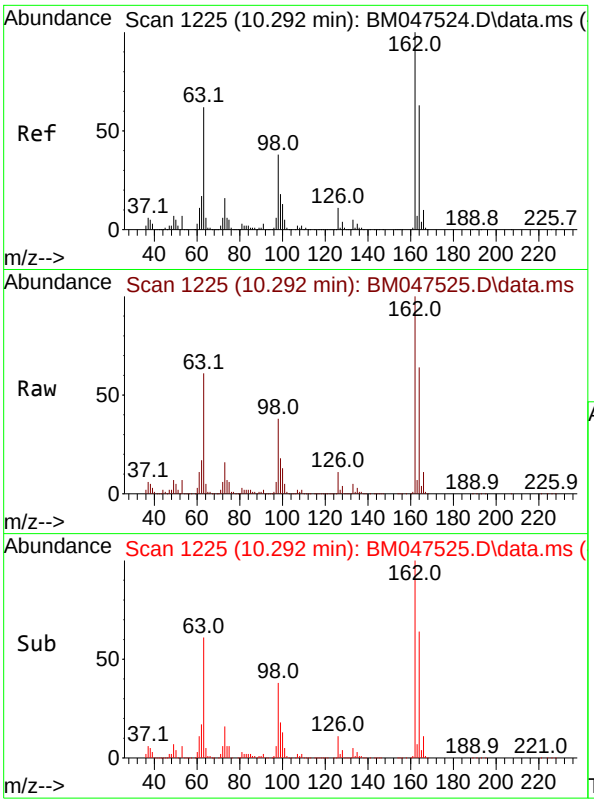


#28
bis(2-Chloroethoxy)methane
Concen: 49.443 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 93 Resp: 1881906

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	11.4	9.2	13.8

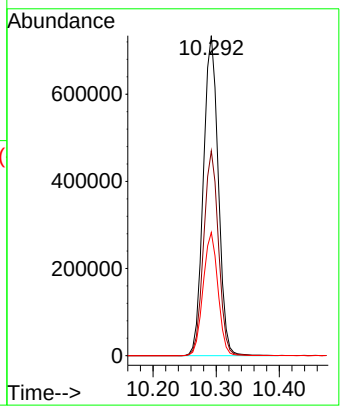




#29
2,4-Dichlorophenol
Concen: 51.885 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:162 Resp: 120599

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.5	83.5
98	38.5	17.6	57.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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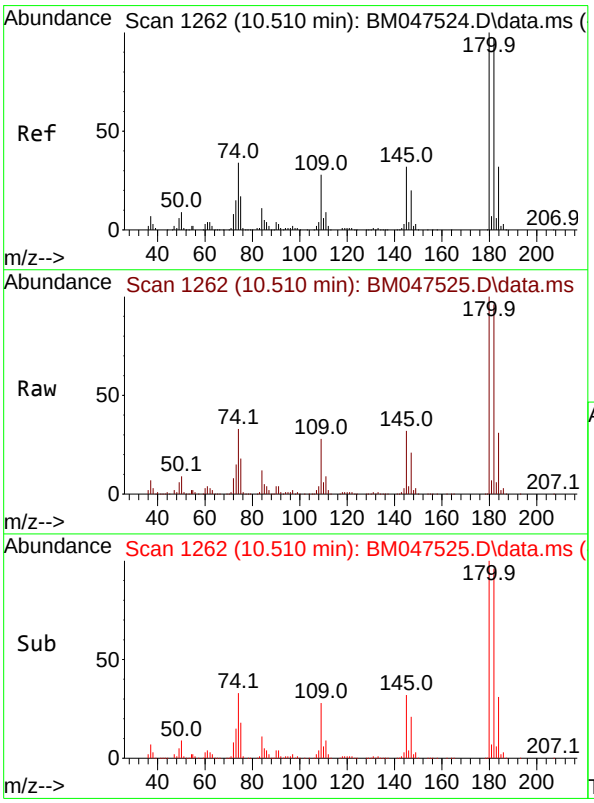
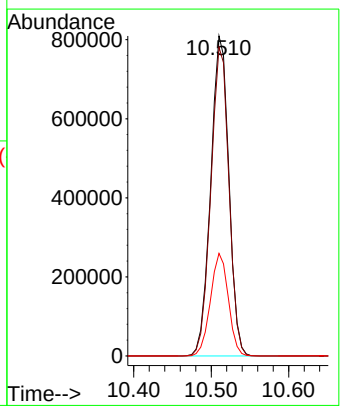
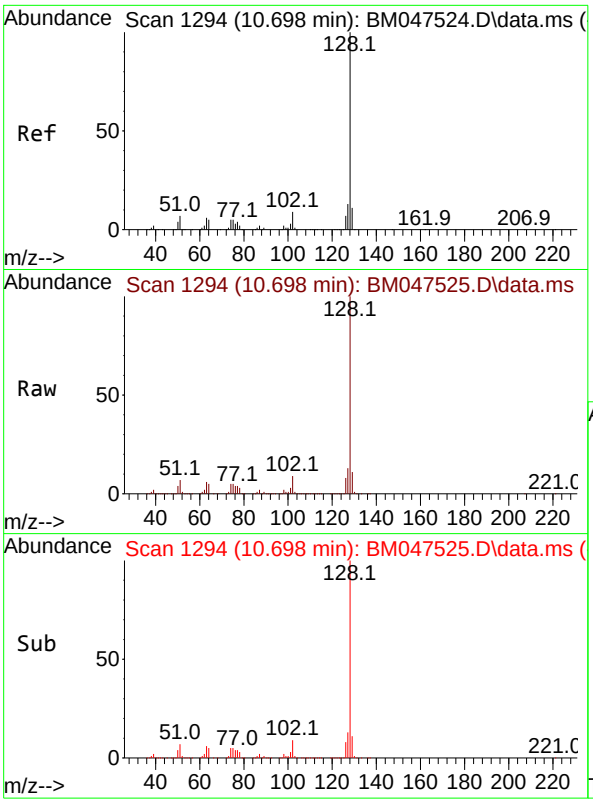


#30
1,2,4-Trichlorobenzene
Concen: 49.431 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:180 Resp: 1316098

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.6	116.4
145	32.1	25.4	38.0

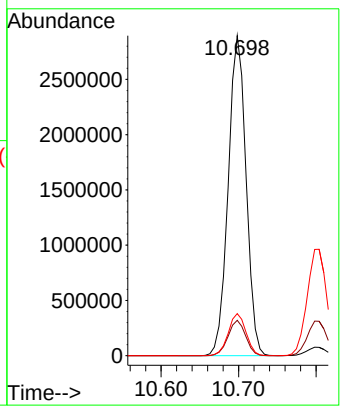




#31
Naphthalene
Concen: 49.926 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:128 Resp: 465111

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.2	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
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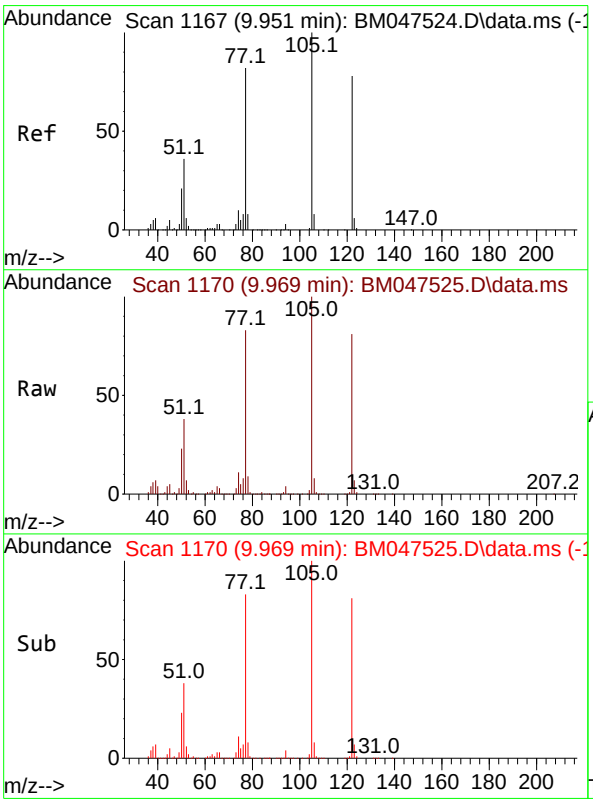
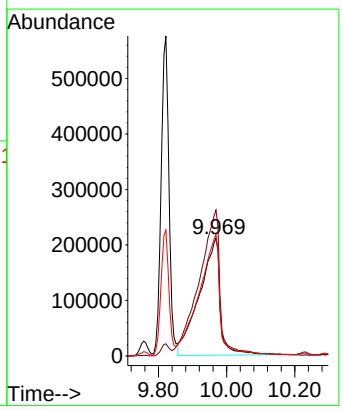
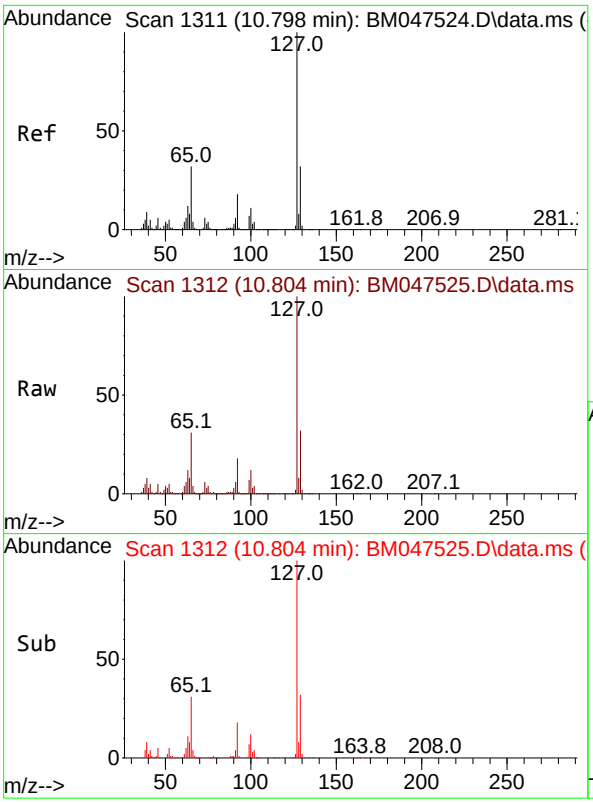


#32
Benzoic acid
Concen: 49.165 ng
RT: 9.969 min Scan# 1170
Delta R.T. 0.018 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:122 Resp: 890510

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.7	144.7
77	103.2	83.4	123.4

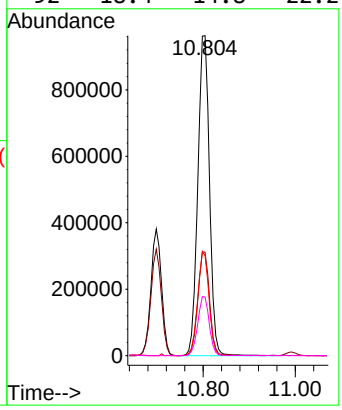




#33
4-Chloroaniline
Concen: 50.379 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:127 Resp: 169688

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.0
65	31.2	25.5	38.3
92	18.4	14.8	22.2



Instrument :
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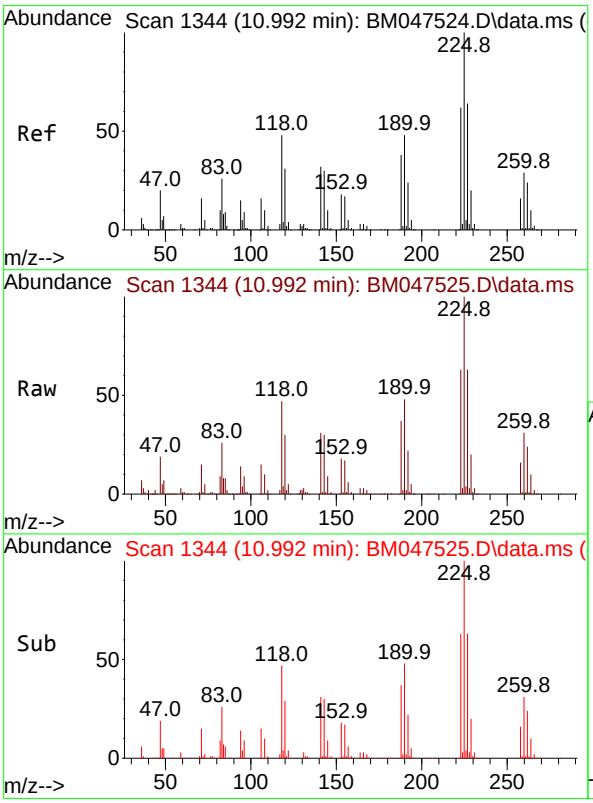
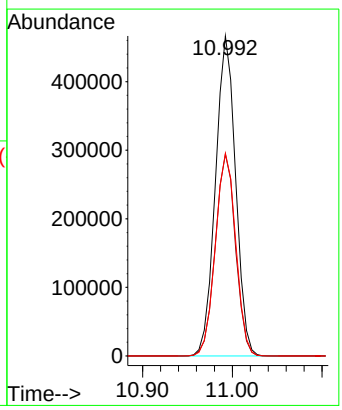
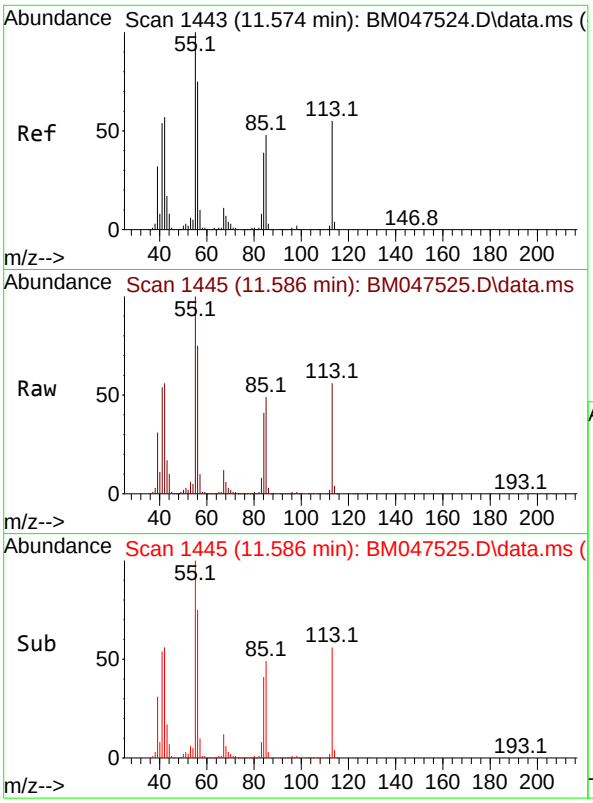


#34
Hexachlorobutadiene
Concen: 49.322 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:225 Resp: 727359

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.6
227	63.3	51.0	76.4

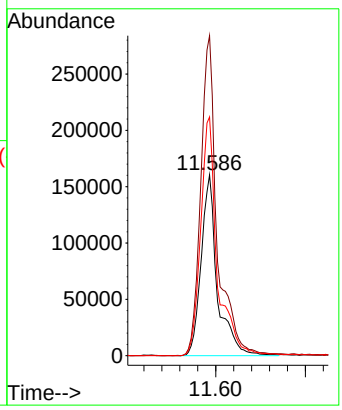




#35
Caprolactam
Concen: 52.645 ng
RT: 11.586 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:113 Resp: 40307

Ion	Ratio	Lower	Upper
113	100		
55	177.0	162.5	202.5
56	132.0	116.5	156.5



Instrument :
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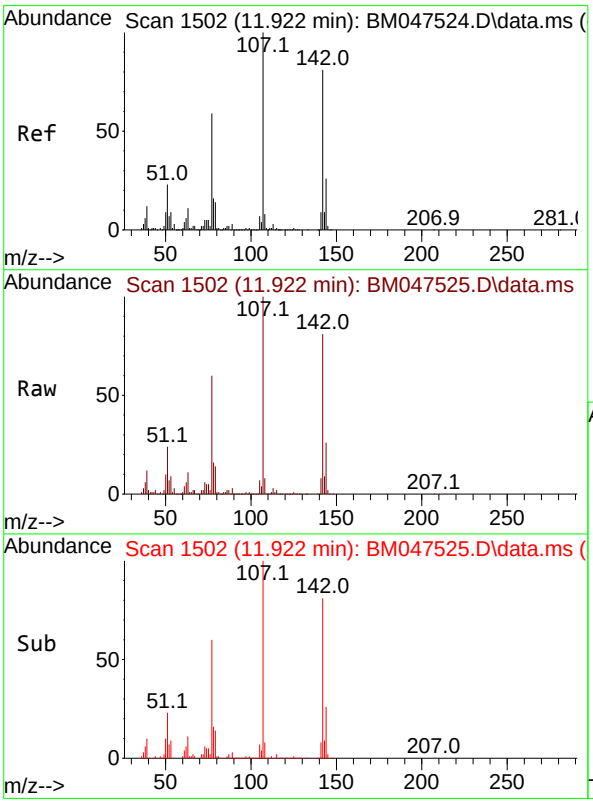
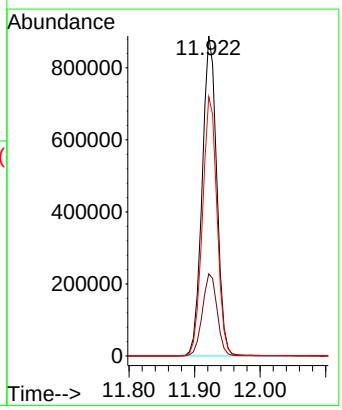
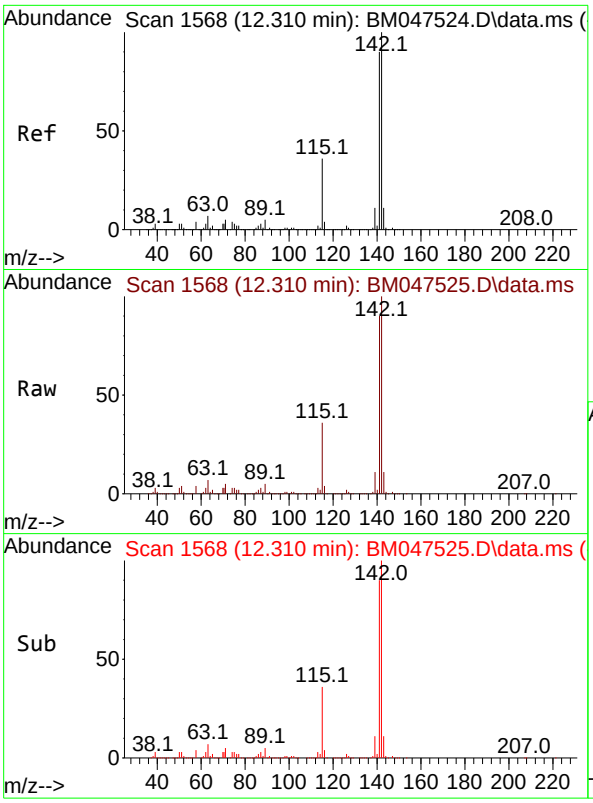


#36
4-Chloro-3-methylphenol
Concen: 51.697 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:107 Resp: 1377067

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.5	30.7
142	81.0	65.0	97.4

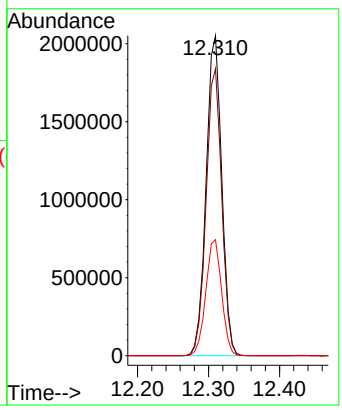




#37
2-Methylnaphthalene
Concen: 50.577 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:142 Resp: 313594

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.2	108.4
115	36.2	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
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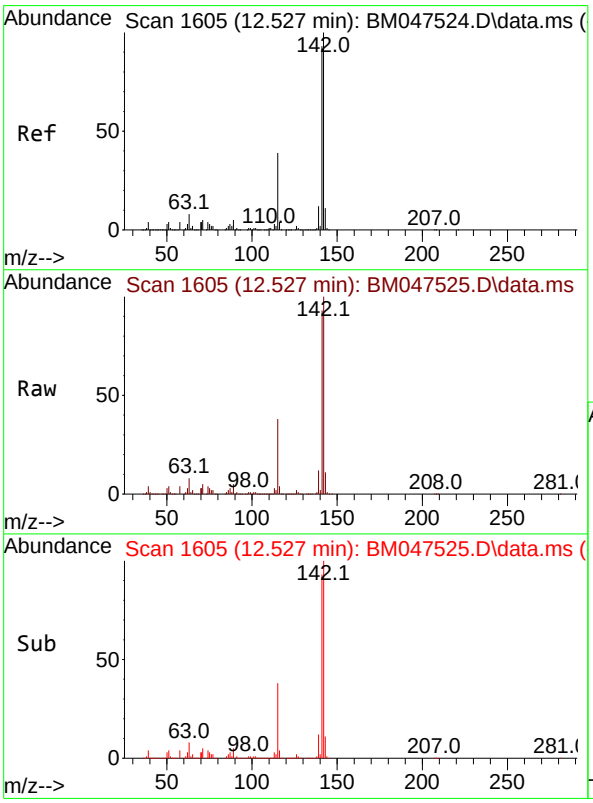
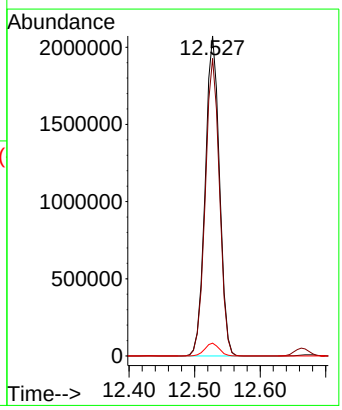
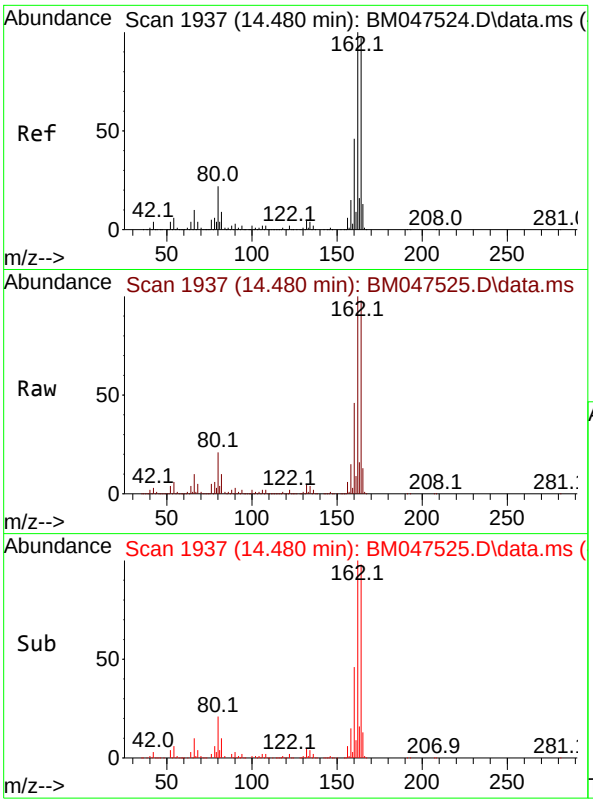


#38
1-Methylnaphthalene
Concen: 50.961 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:142 Resp: 3140091

Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.7	112.1
116	4.0	3.2	4.8

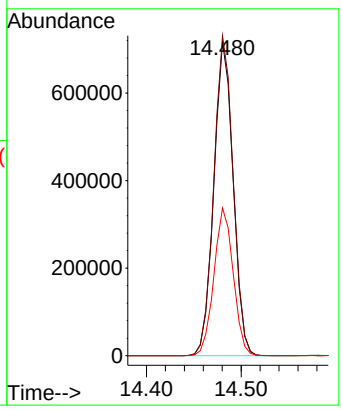




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:164 Resp: 101327

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.2
160	47.0	38.2	57.2



Instrument :
BNA_M
ClientSampleId :
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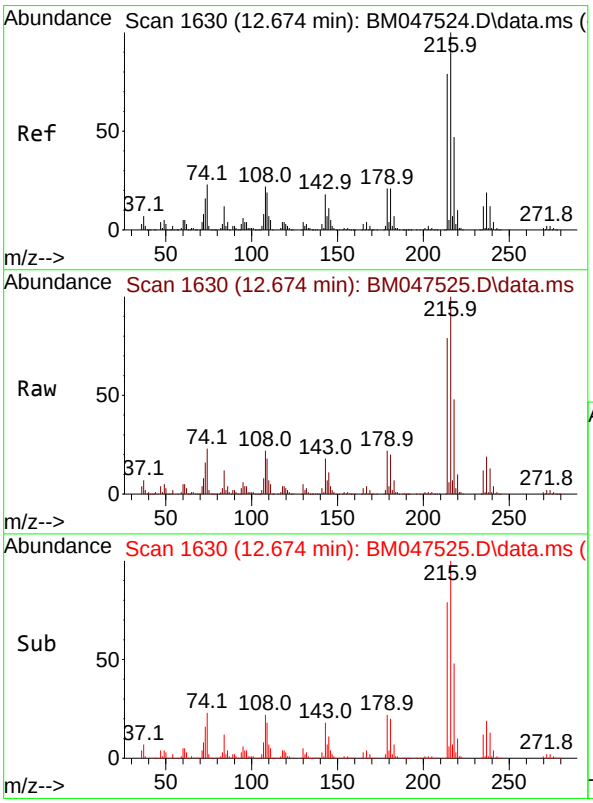
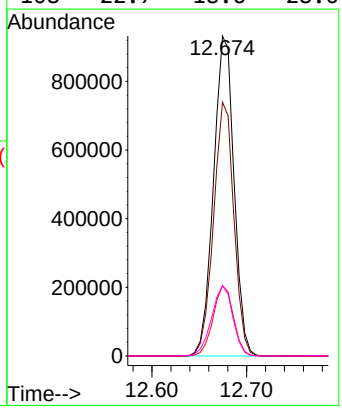
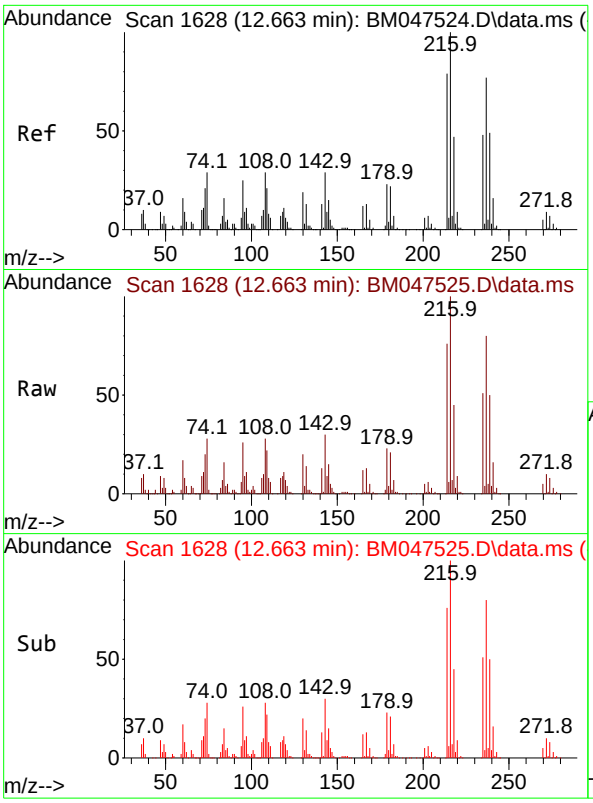


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.207 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:216 Resp: 1404023

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.6
179	21.7	17.5	26.3
108	22.7	18.6	28.0

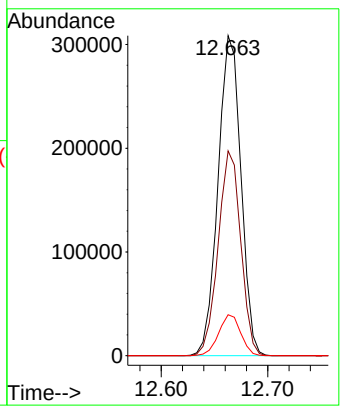




#41
Hexachlorocyclopentadiene
Concen: 51.304 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:237 Resp: 45986

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.0	82.0
272	12.8	0.0	31.5



Instrument :
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ClientSampleId :
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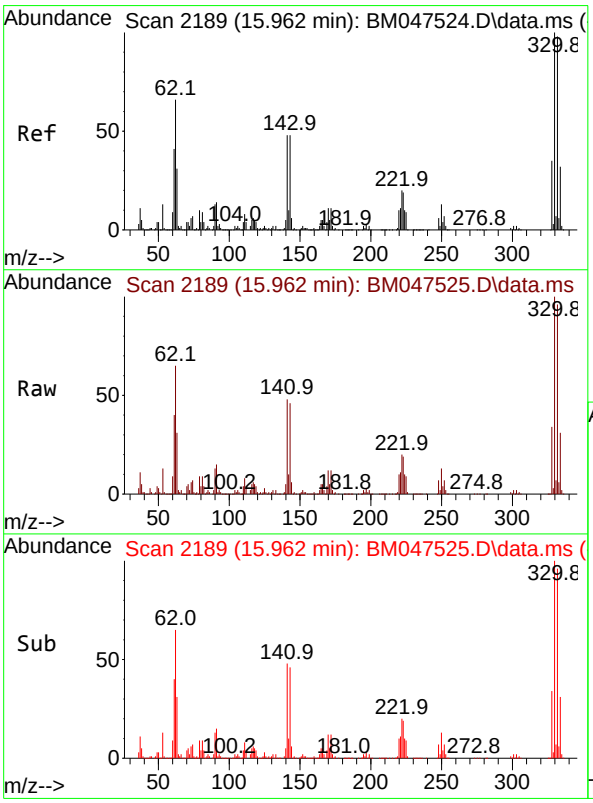
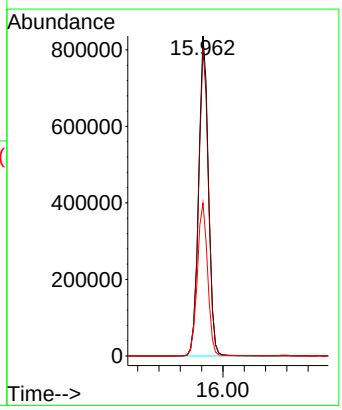
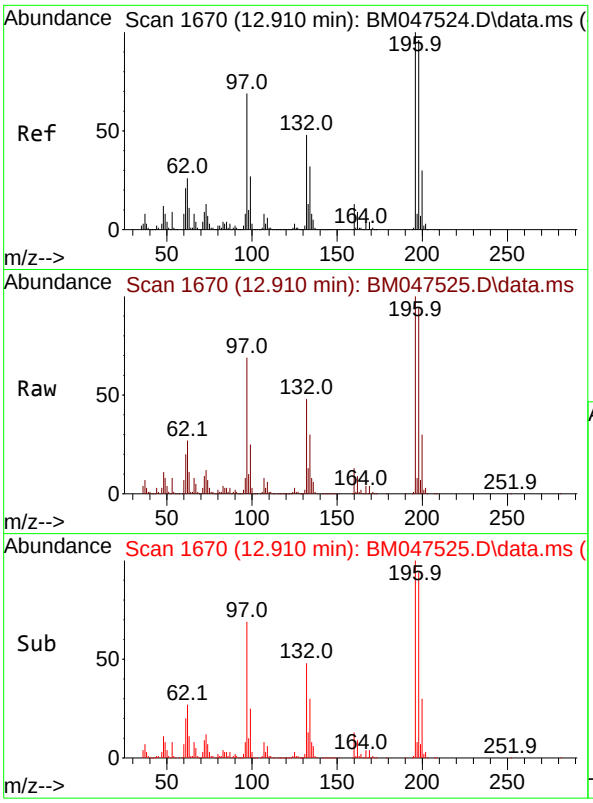


#42
2,4,6-Tribromophenol
Concen: 109.339 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:330 Resp: 1070883

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	50.2	42.2	63.2

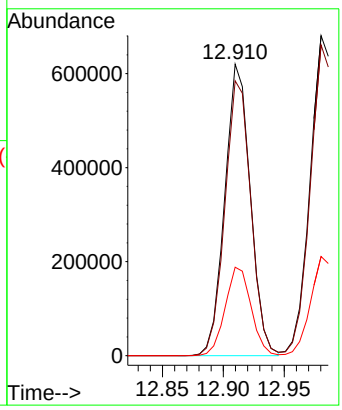




#43
2,4,6-Trichlorophenol
Concen: 52.782 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:196 Resp: 90665

Ion	Ratio	Lower	Upper
196	100		
198	94.3	76.9	115.3
200	30.4	24.3	36.5



Instrument :
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ClientSampleId :
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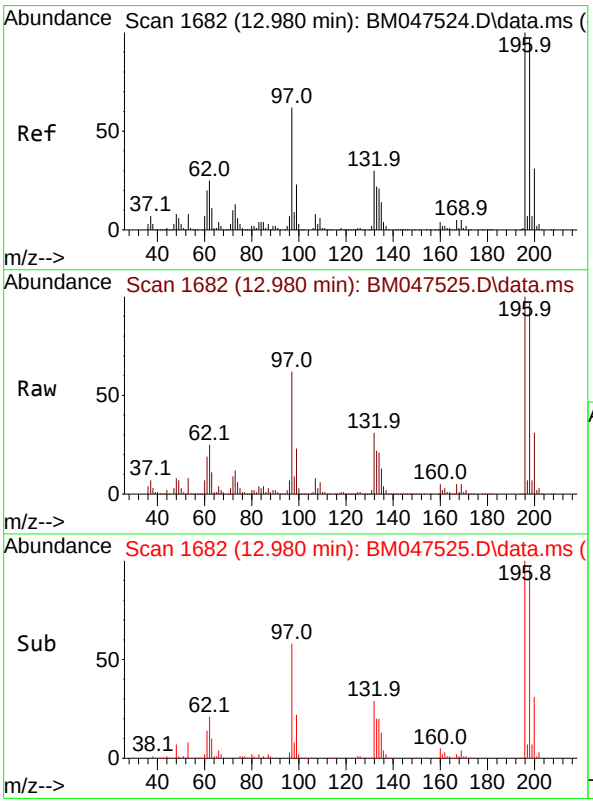
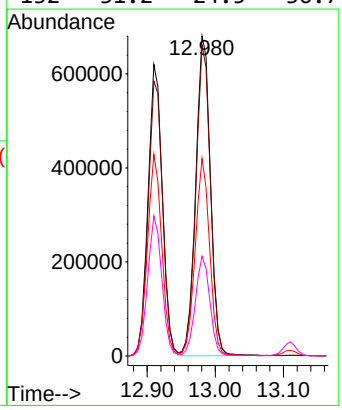
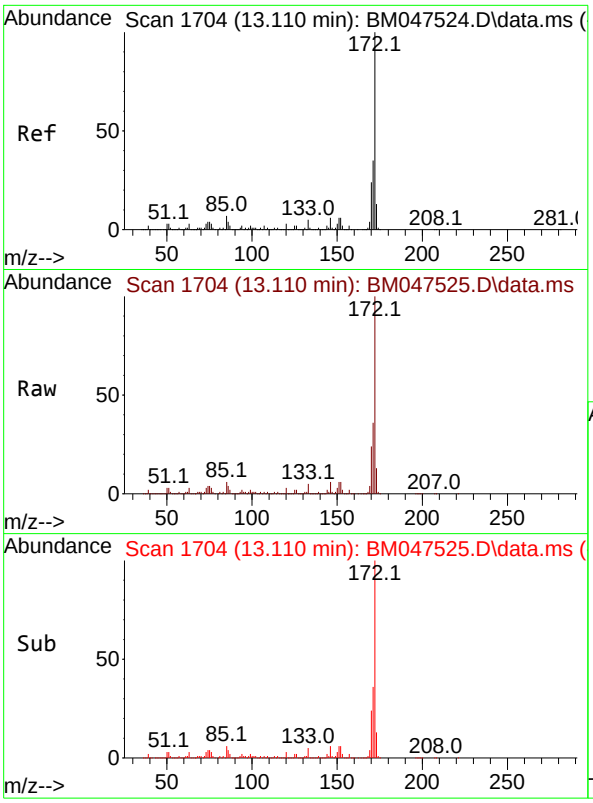


#44
2,4,5-Trichlorophenol
Concen: 52.552 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:196 Resp: 1019629

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.4	116.2
97	61.7	49.8	74.8
132	31.2	24.5	36.7

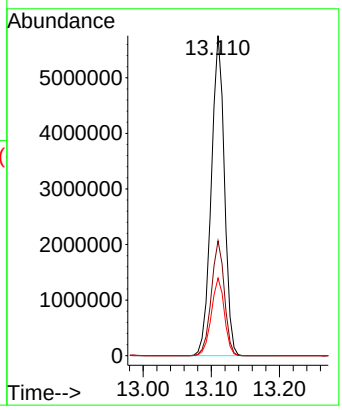




#45
2-Fluorobiphenyl
Concen: 104.898 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:172 Resp: 771603

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	24.3	19.4	29.0



Instrument :
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ClientSampleId :
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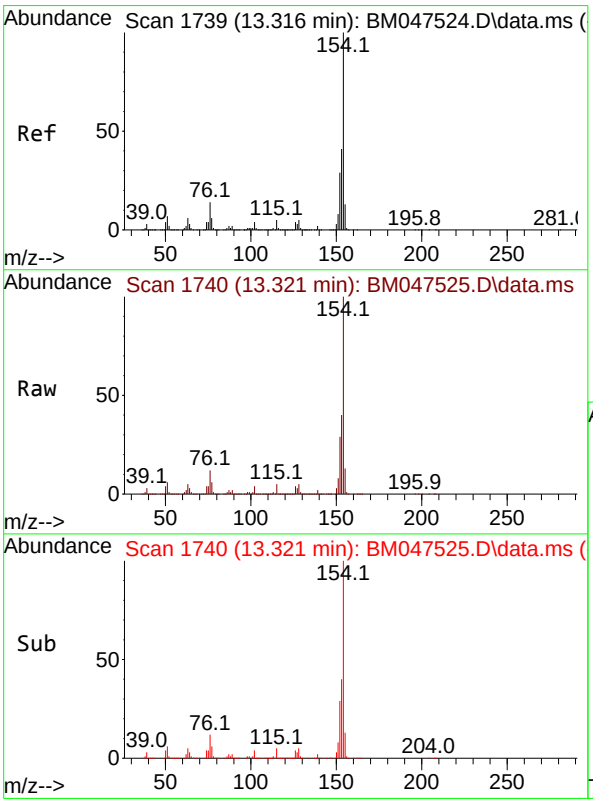
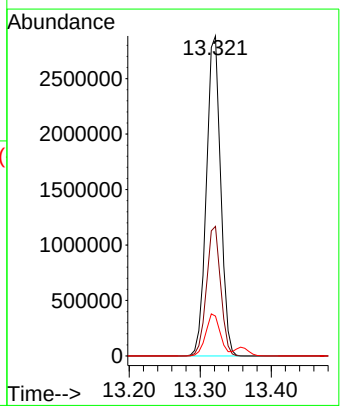
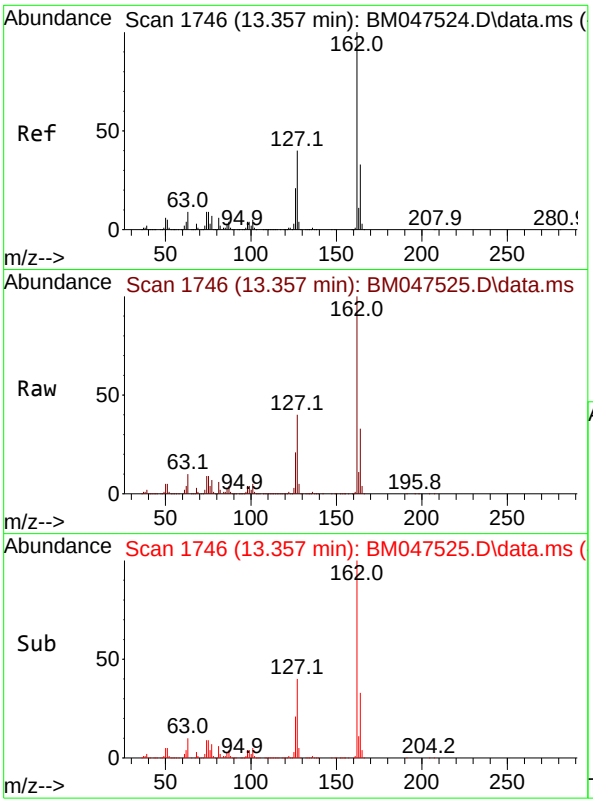


#46
1,1'-Biphenyl
Concen: 50.905 ng
RT: 13.321 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:154 Resp: 4013259

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.6	60.6
76	12.5	0.0	33.9

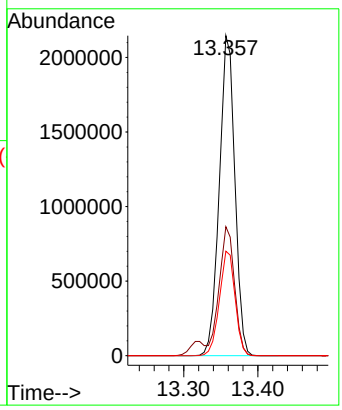




#47
2-Chloronaphthalene
Concen: 51.065 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:162 Resp: 312599

Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.2	48.4
164	32.7	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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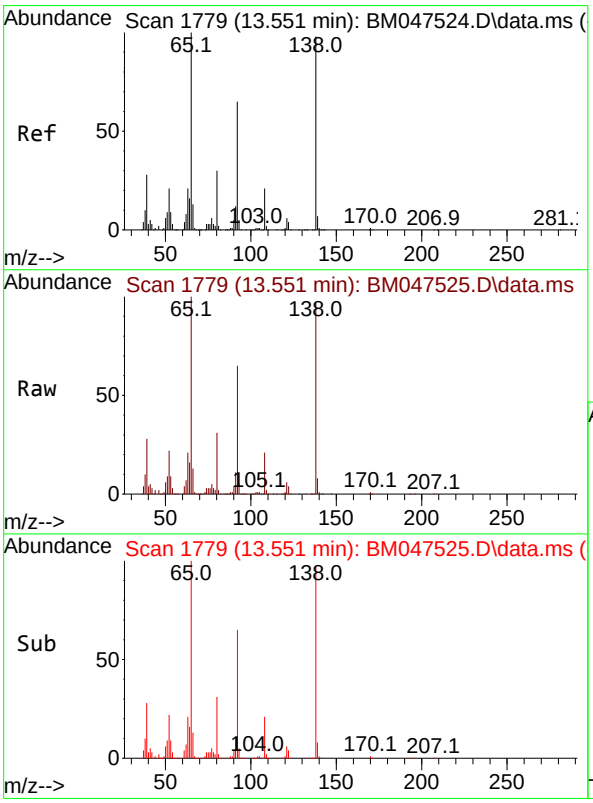
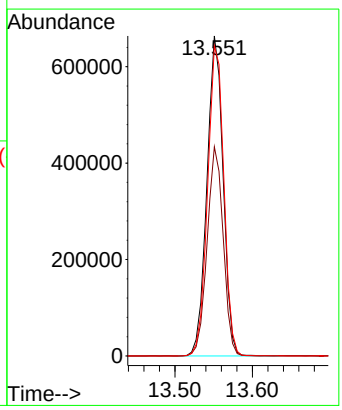
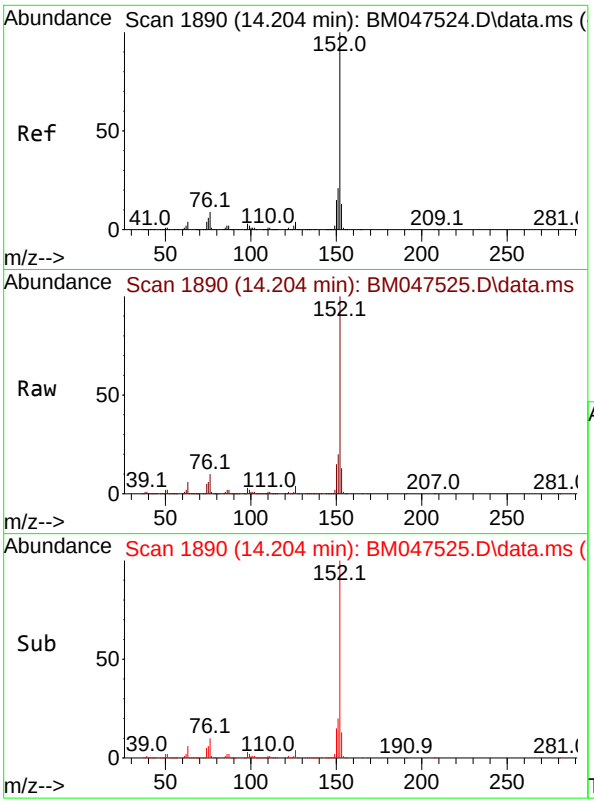


#48
2-Nitroaniline
Concen: 53.545 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 65 Resp: 962763

Ion	Ratio	Lower	Upper
65	100		
92	65.3	51.9	77.9
138	96.8	78.5	117.7

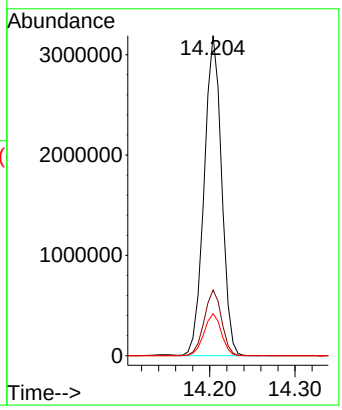




#49
Acenaphthylene
Concen: 51.383 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:152 Resp: 453912

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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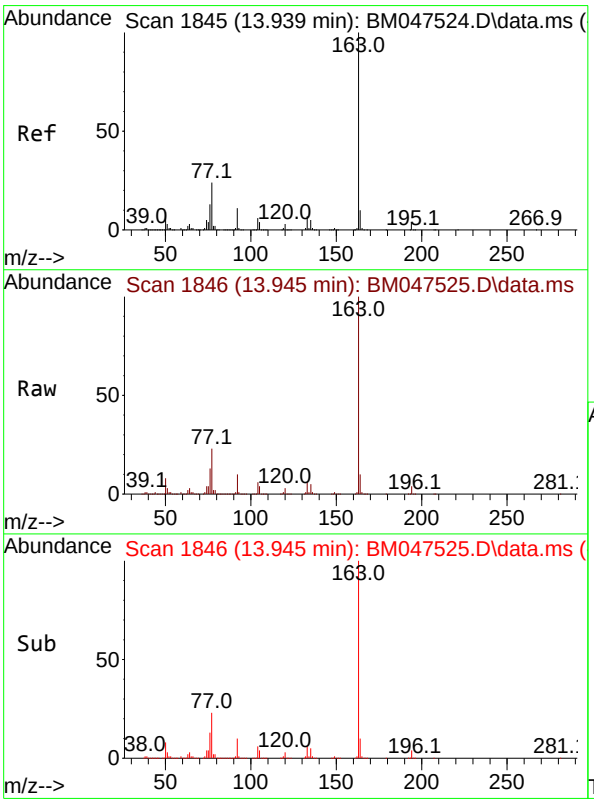
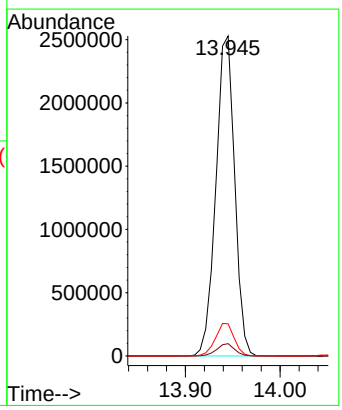
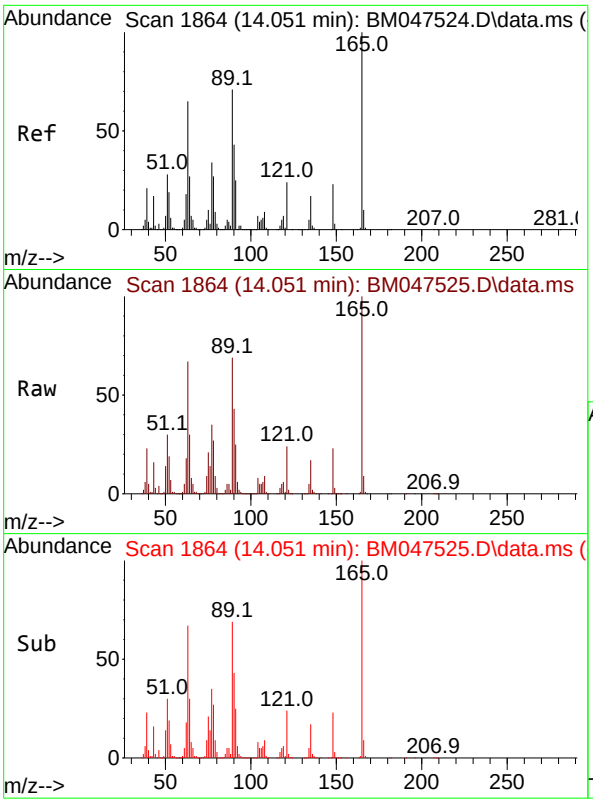


#50
Dimethylphthalate
Concen: 50.489 ng
RT: 13.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:163 Resp: 3486930

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	10.0	7.9	11.9

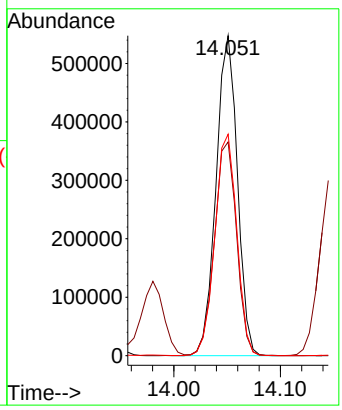




#51
2,6-Dinitrotoluene
Concen: 52.129 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:165 Resp: 76000

Ion	Ratio	Lower	Upper
165	100		
63	66.8	54.2	81.2
89	69.2	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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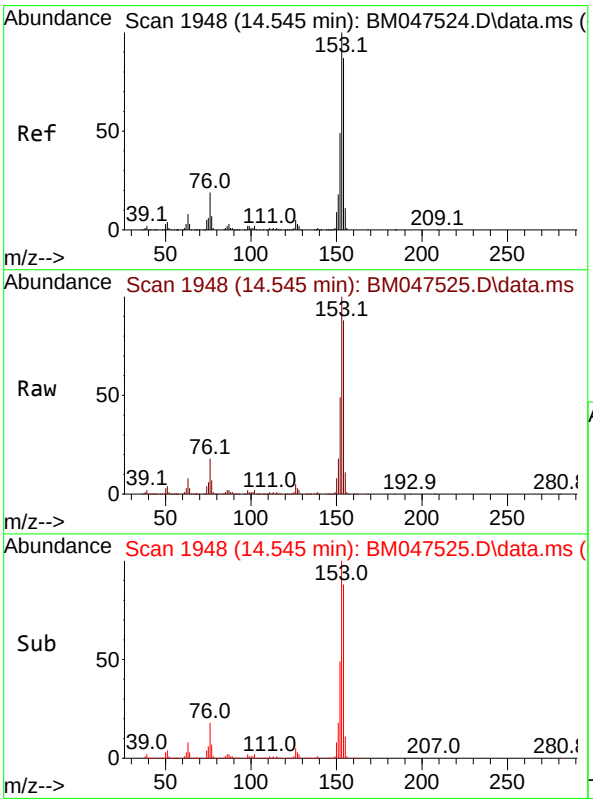
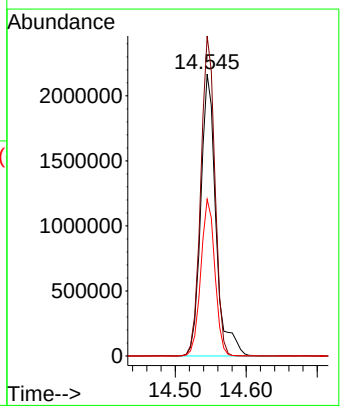
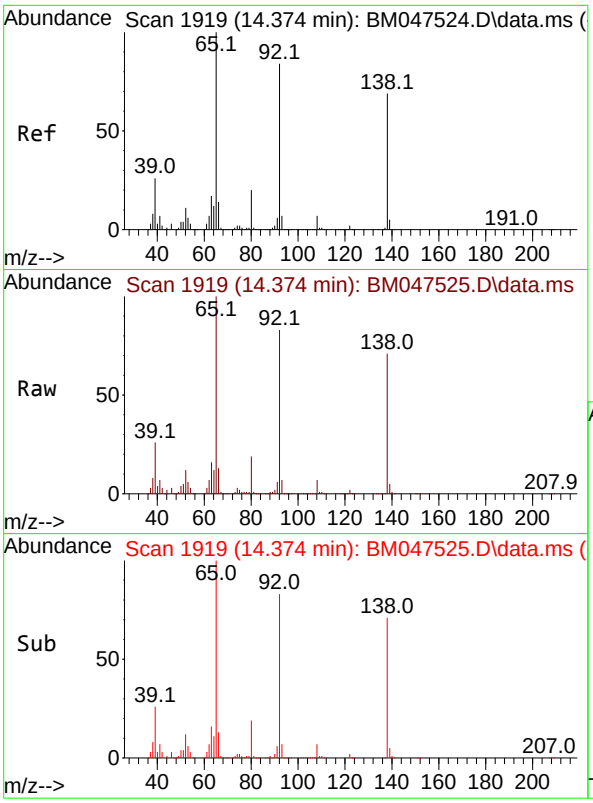


#52
Acenaphthene
Concen: 51.838 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:154 Resp: 3208580

Ion	Ratio	Lower	Upper
154	100		
153	113.6	92.2	138.2
152	55.6	45.4	68.0

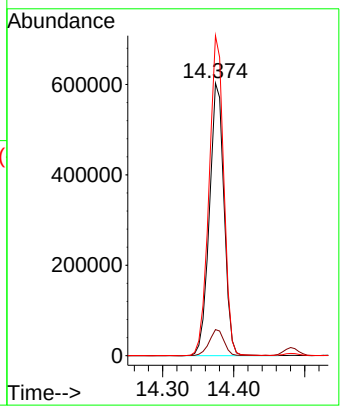




#53
3-Nitroaniline
Concen: 53.063 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:138 Resp: 85988

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.0	12.0
92	117.5	97.4	146.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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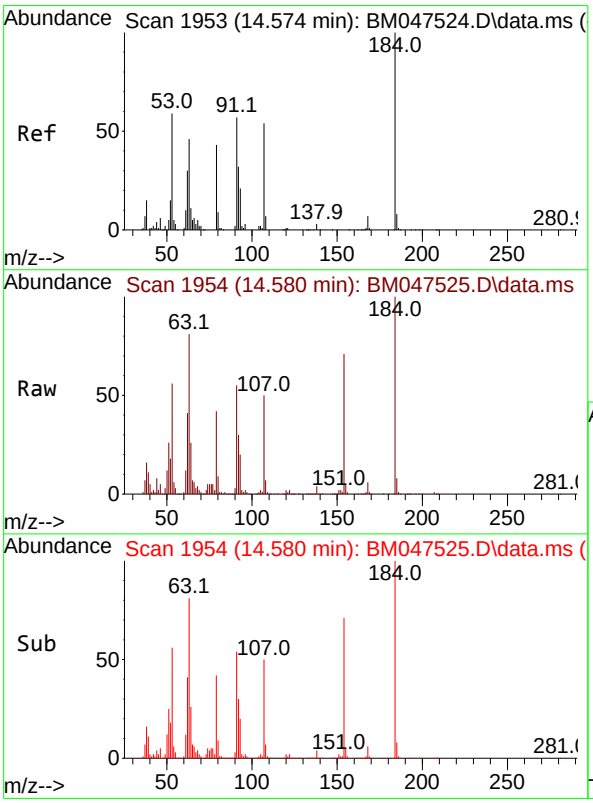
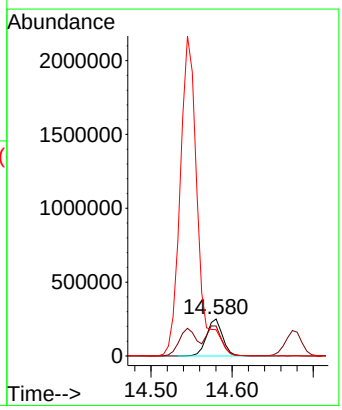
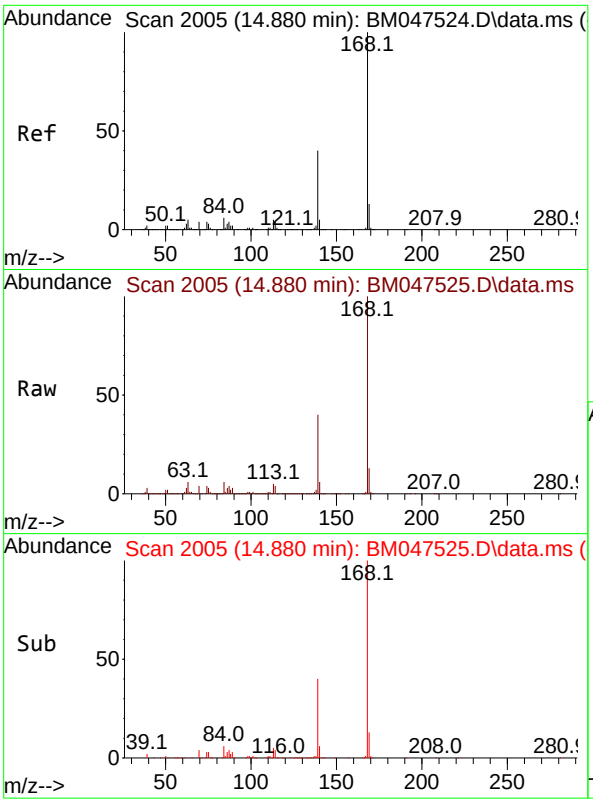


#54
2,4-Dinitrophenol
Concen: 49.904 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:184 Resp: 341766

Ion	Ratio	Lower	Upper
184	100		
63	81.1	69.4	104.0
154	71.2	60.4	90.6

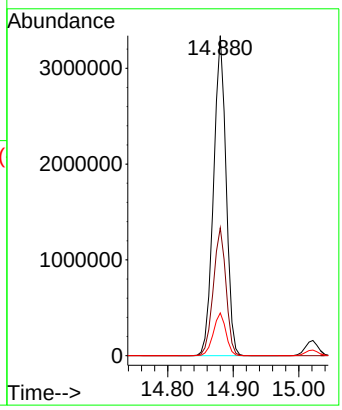




#55
Dibenzofuran
Concen: 50.752 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:168 Resp: 441438

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.9	47.9
169	13.4	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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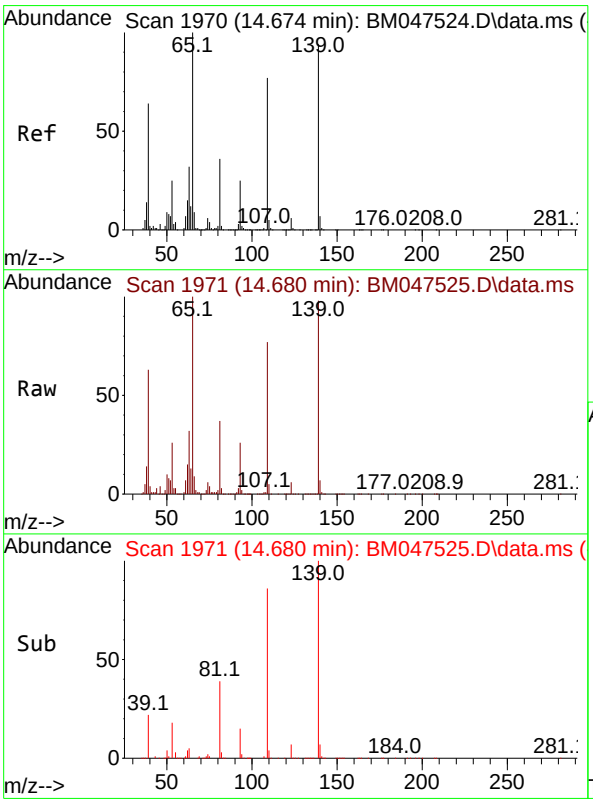
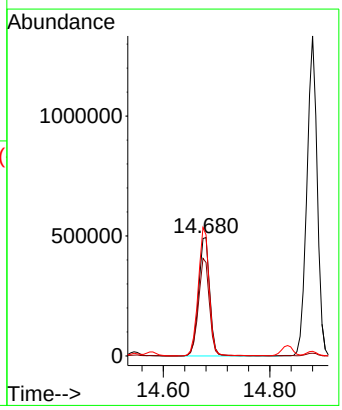
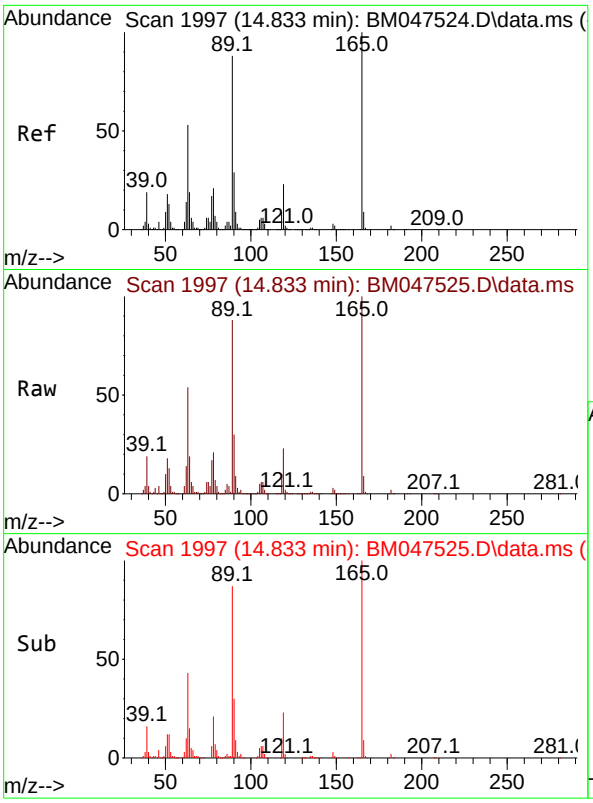


#56
4-Nitrophenol
Concen: 53.975 ng
RT: 14.680 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:139 Resp: 719745

Ion	Ratio	Lower	Upper
139	100		
109	79.0	62.0	102.0
65	102.3	87.0	127.0

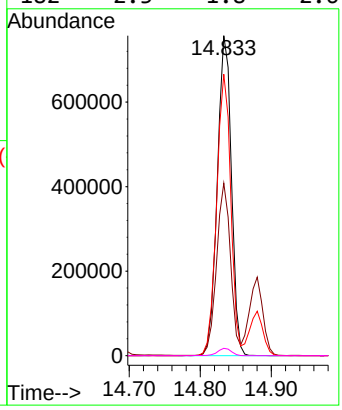




#57
2,4-Dinitrotoluene
Concen: 53.310 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:165 Resp: 103658

Ion	Ratio	Lower	Upper
165	100		
63	53.9	42.4	63.6
89	88.0	70.5	105.7
182	2.3	1.8	2.6



Instrument :
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ClientSampleId :
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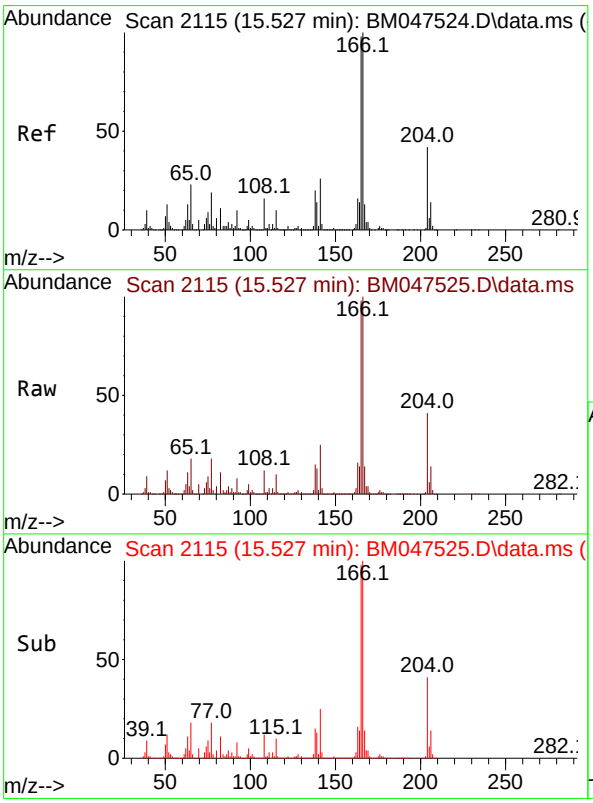
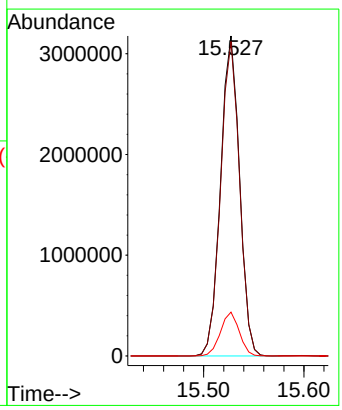
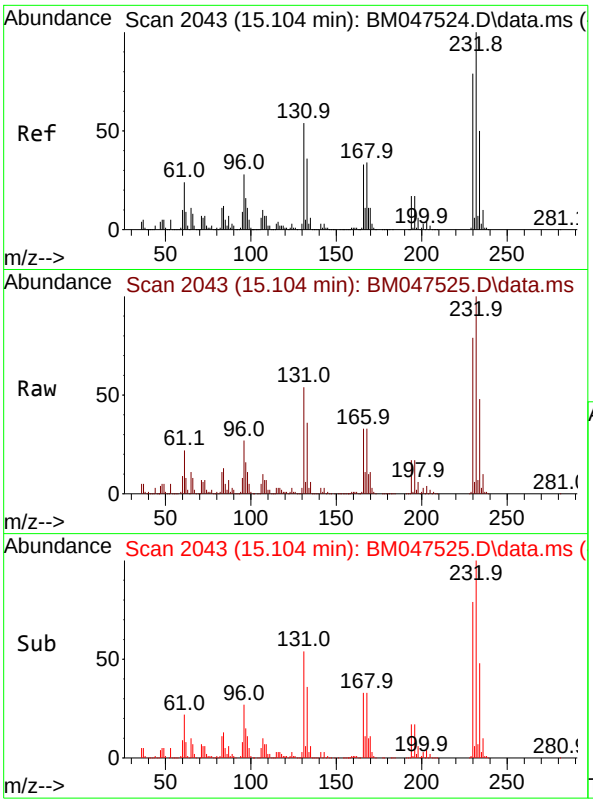


#58
Fluorene
Concen: 53.124 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:166 Resp: 4160088

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	117.8
167	13.7	10.7	16.1

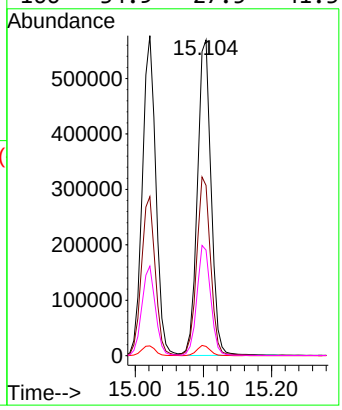




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.397 ng
RT: 15.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:232 Resp: 79262(

Ion	Ratio	Lower	Upper
232	100		
131	57.4	47.0	70.4
130	3.2	2.6	3.8
166	34.9	27.5	41.3



Instrument :
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ClientSampleId :
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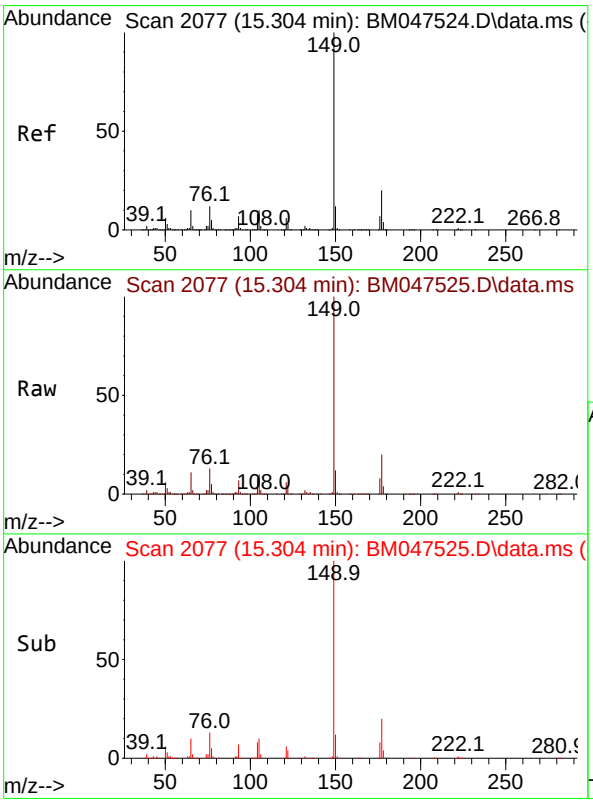
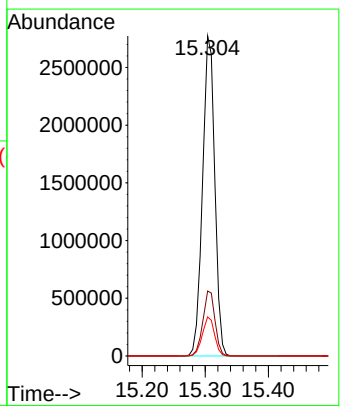
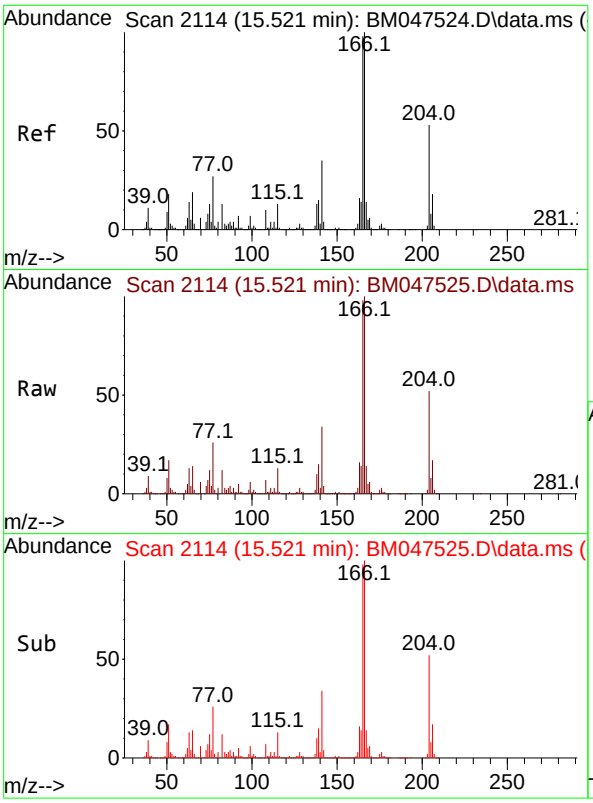


#60
Diethylphthalate
Concen: 50.766 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 3731359

Ion	Ratio	Lower	Upper
149	100		
177	20.3	15.8	23.8
150	12.2	9.7	14.5

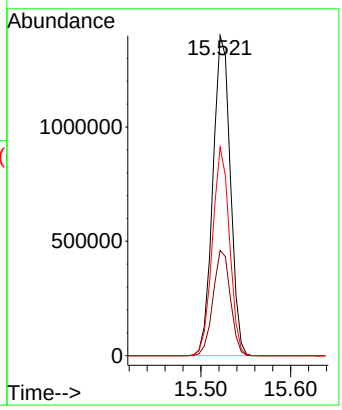




#61
4-Chlorophenyl-phenylether
Concen: 52.727 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:204 Resp: 188792

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	65.1	52.1	78.1



Instrument :
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ClientSampleId :
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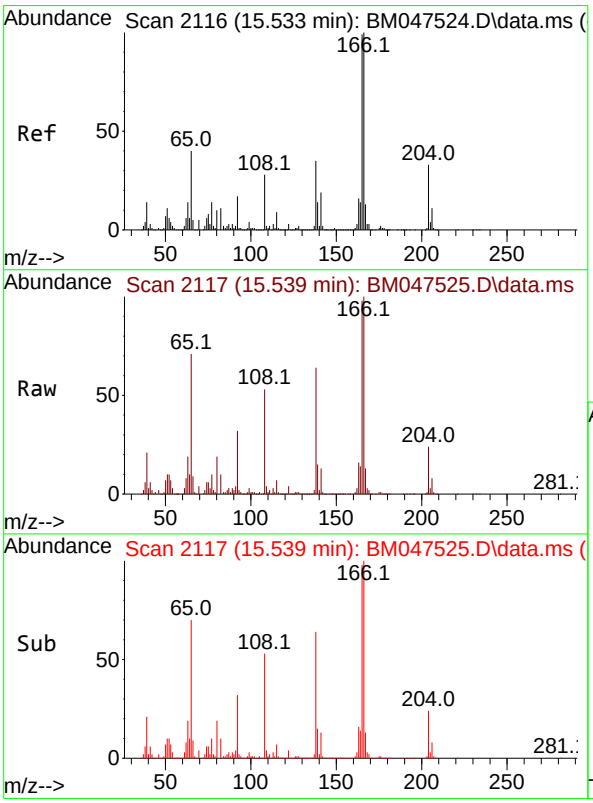
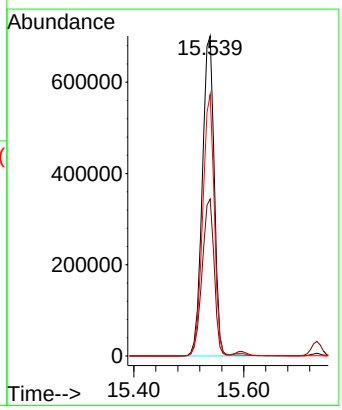
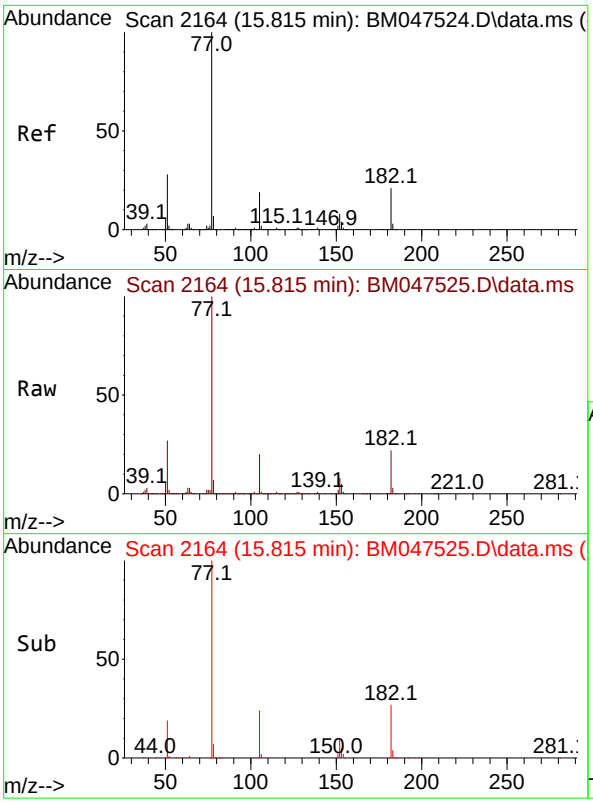


#62
4-Nitroaniline
Concen: 55.490 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:138 Resp: 1057003

Ion	Ratio	Lower	Upper
138	100		
92	49.1	30.0	70.0
108	81.8	61.7	101.7

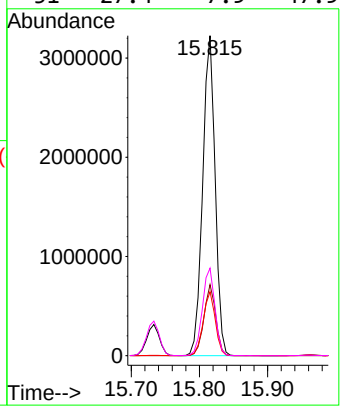




#63
Azobenzene
Concen: 50.661 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 77 Resp: 410010

Ion	Ratio	Lower	Upper
77	100		
182	22.2	1.2	41.2
105	20.0	0.0	39.4
51	27.4	7.9	47.9



Instrument :
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ClientSampleId :
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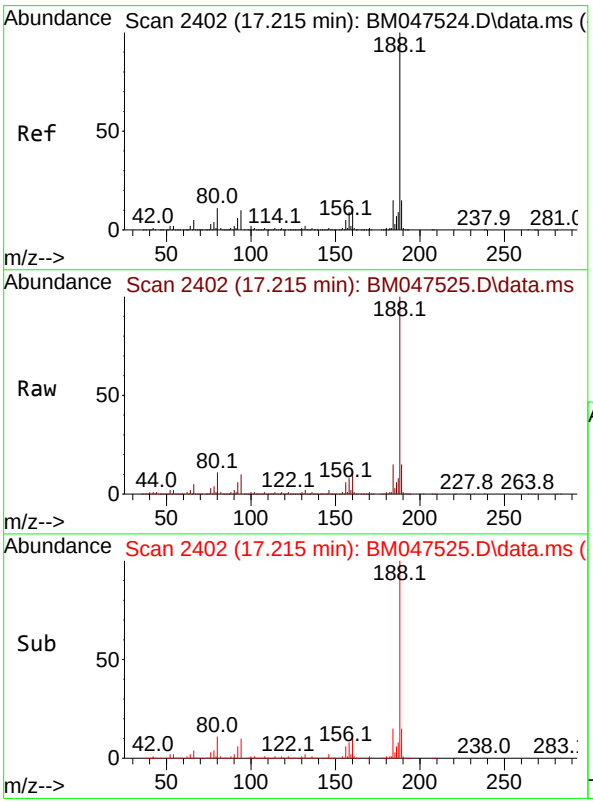
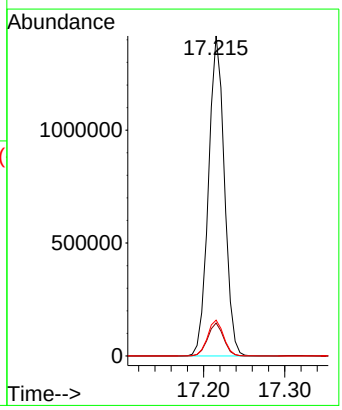
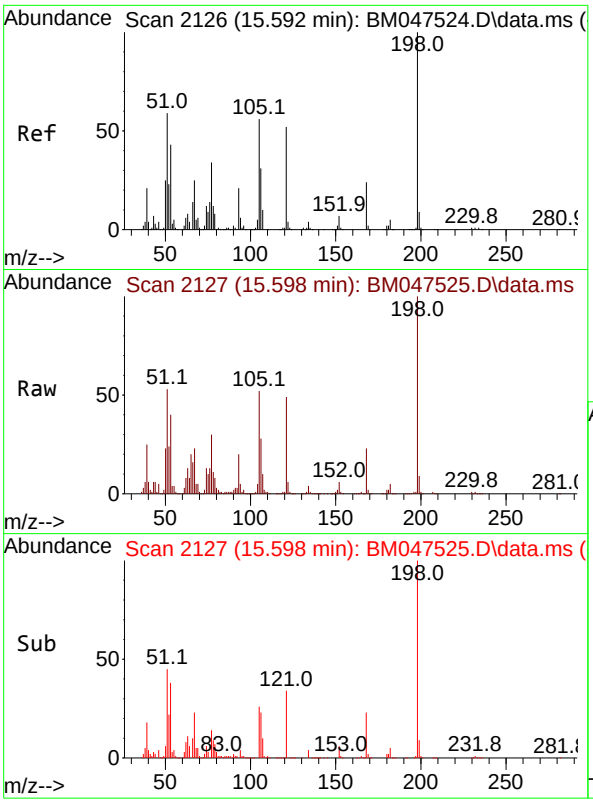


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:188 Resp: 1927087

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.4	12.6
80	11.2	9.1	13.7

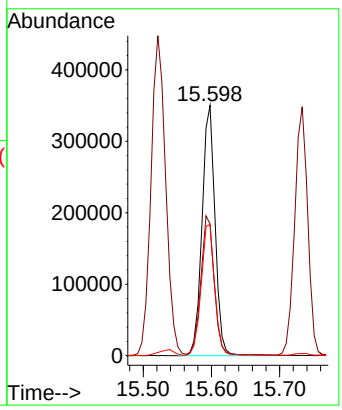




#65
4,6-Dinitro-2-methylphenol
Concen: 47.513 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:198 Resp: 46552

Ion	Ratio	Lower	Upper
198	100		
51	52.7	41.5	81.5
105	52.5	36.4	76.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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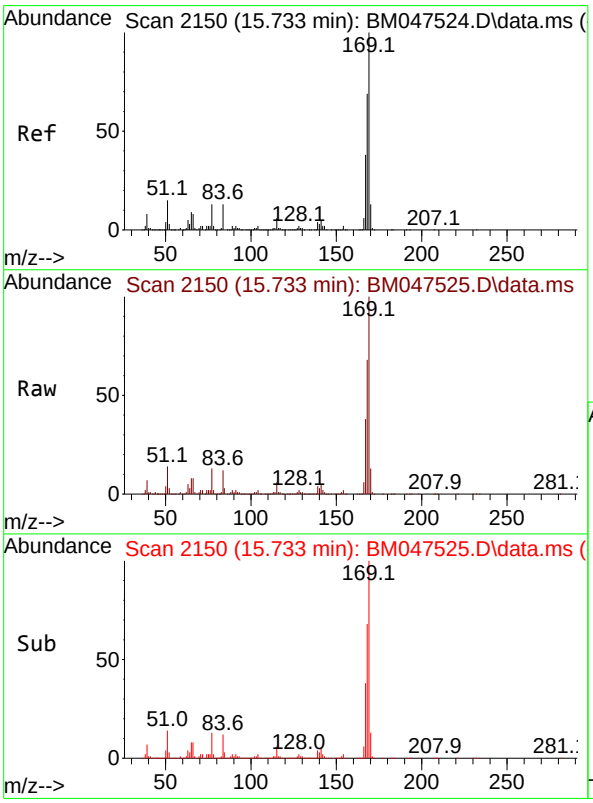
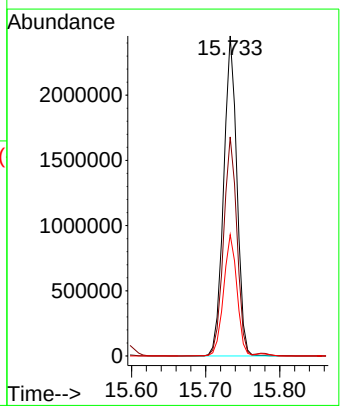
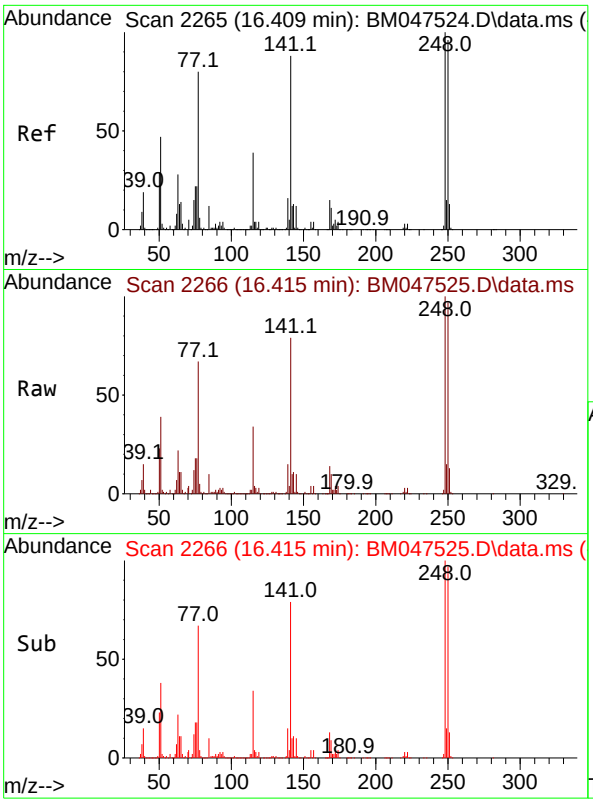


#66
n-Nitrosodiphenylamine
Concen: 51.751 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:169 Resp: 3050884

Ion	Ratio	Lower	Upper
169	100		
168	68.4	55.3	82.9
167	37.9	30.5	45.7

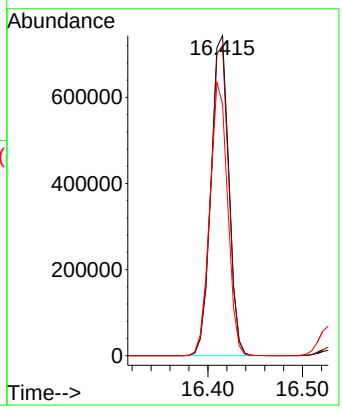




#67
4-Bromophenyl-phenylether
Concen: 51.803 ng
RT: 16.415 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:248 Resp: 97000

Ion	Ratio	Lower	Upper
248	100		
250	96.8	76.9	115.3
141	78.7	70.8	106.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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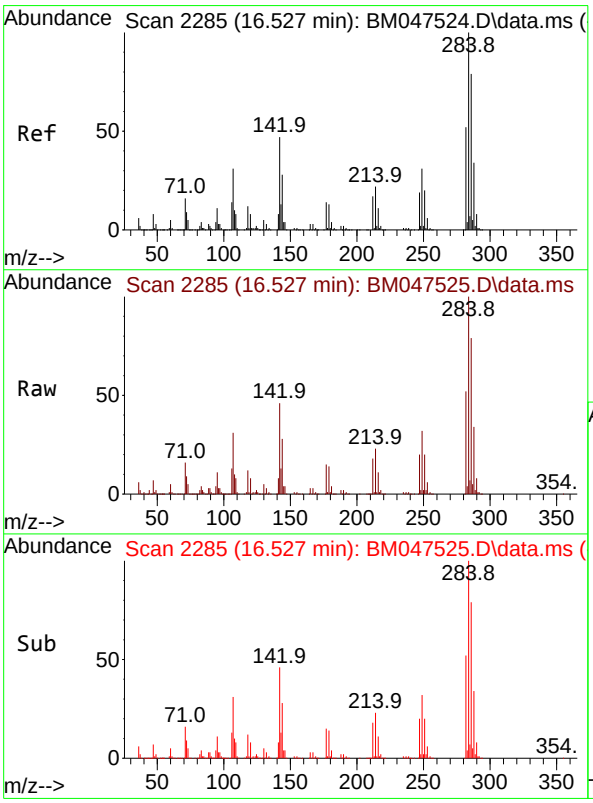
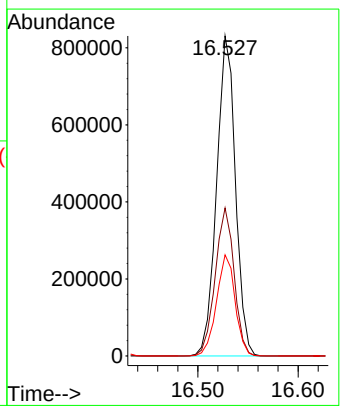
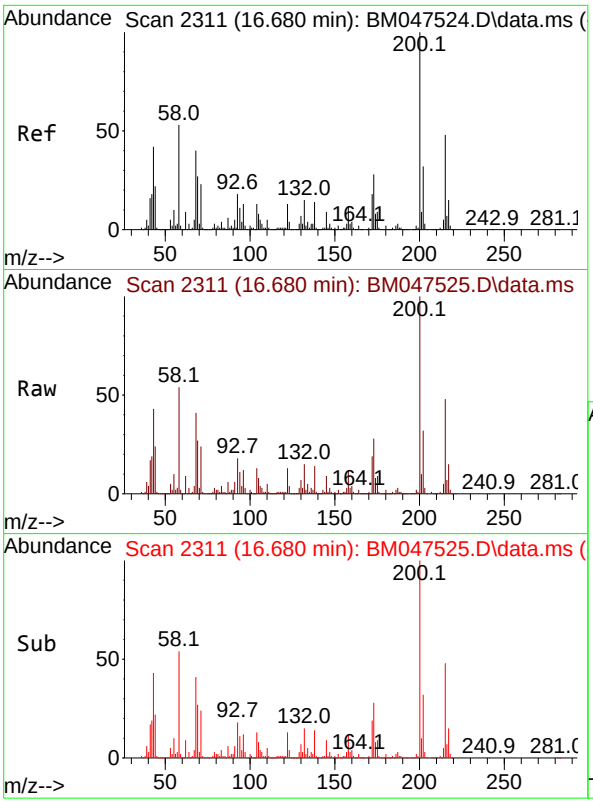


#68
Hexachlorobenzene
Concen: 50.942 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:284 Resp: 1080606

Ion	Ratio	Lower	Upper
284	100		
142	46.2	37.3	55.9
249	31.6	24.5	36.7

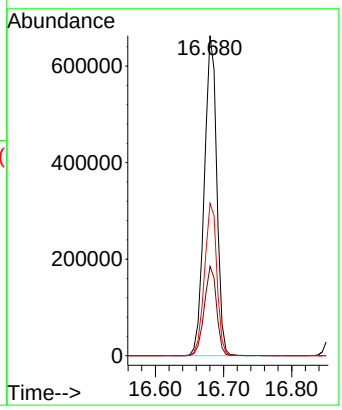




#69
Atrazine
Concen: 51.534 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:200 Resp: 83970

Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.7	47.7
215	47.6	27.9	67.9



Instrument :
BNA_M
ClientSampleId :
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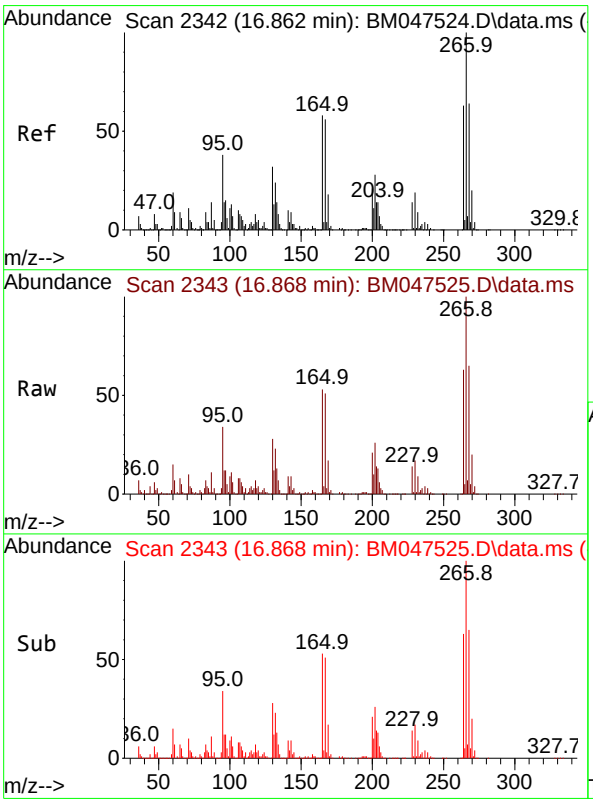
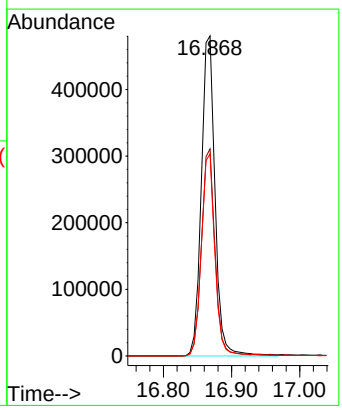
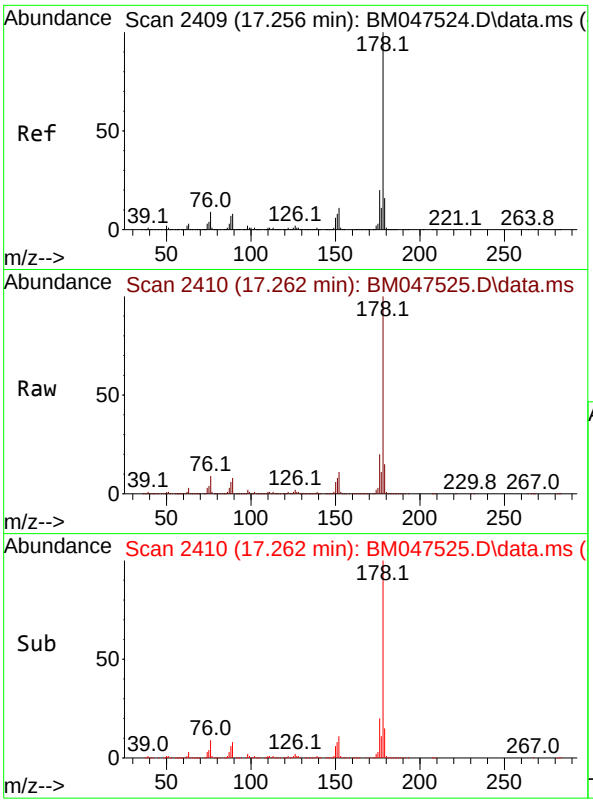


#70
Pentachlorophenol
Concen: 54.737 ng
RT: 16.868 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:266 Resp: 673070

Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.0	76.4
264	63.1	50.4	75.6

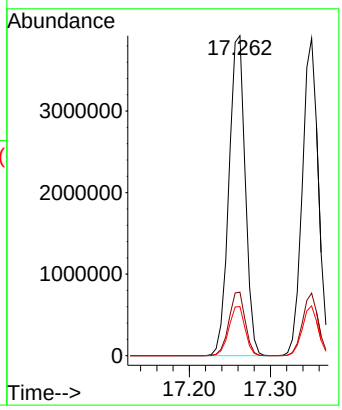




#71
Phenanthrene
Concen: 51.315 ng
RT: 17.262 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:178 Resp: 544967

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.4	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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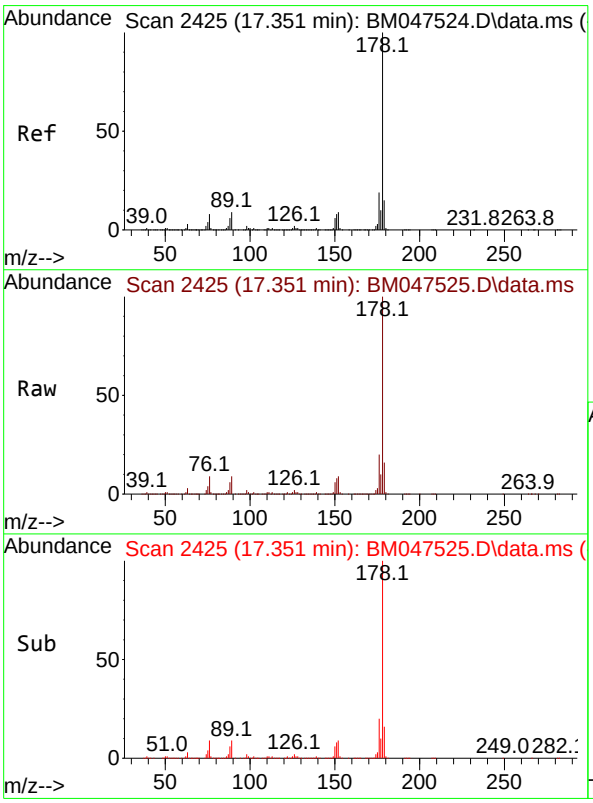
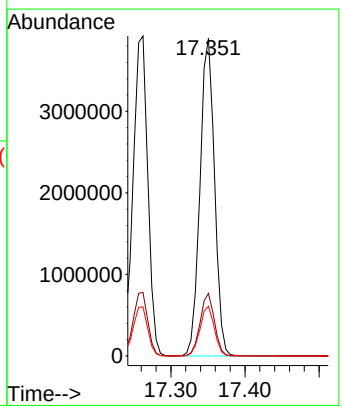
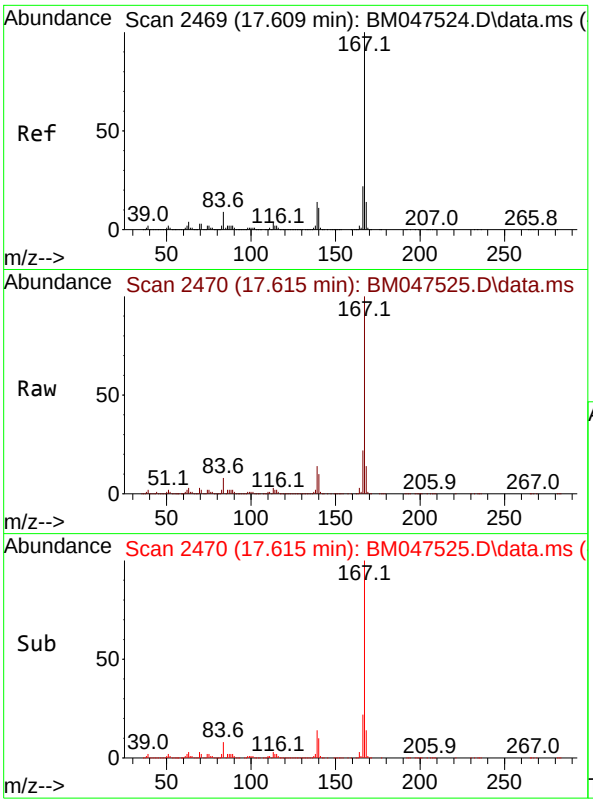


#72
Anthracene
Concen: 52.053 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:178 Resp: 5311241

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	15.7	12.3	18.5

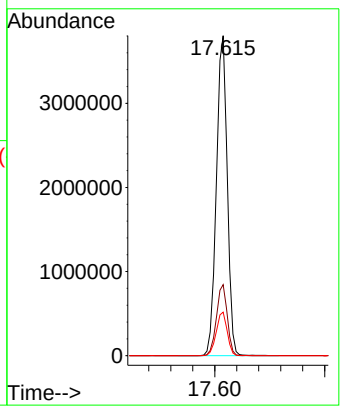




#73
Carbazole
Concen: 51.703 ng
RT: 17.615 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:167 Resp: 522811

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.8
139	13.6	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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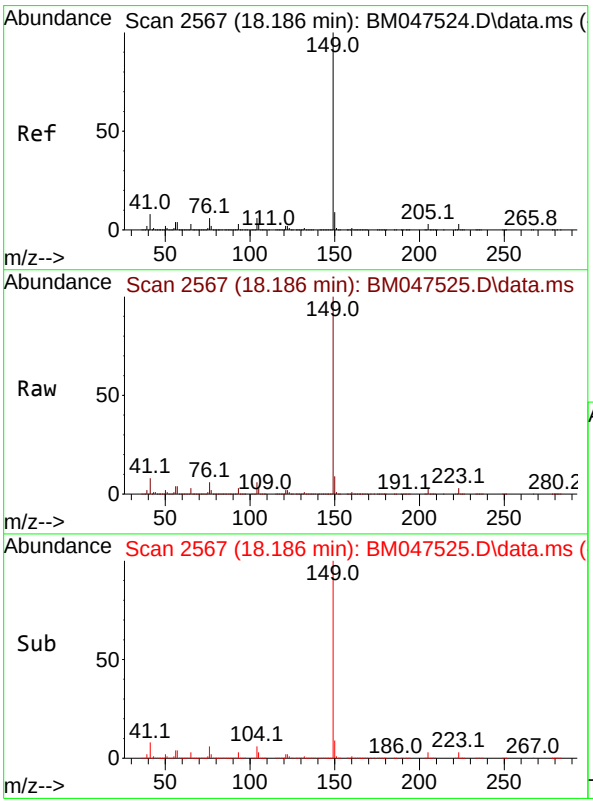
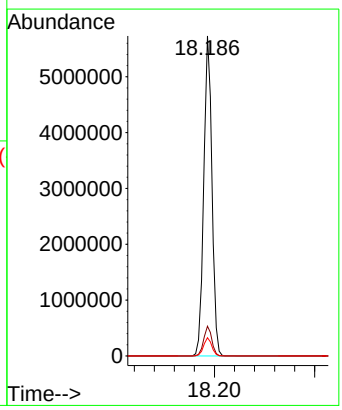
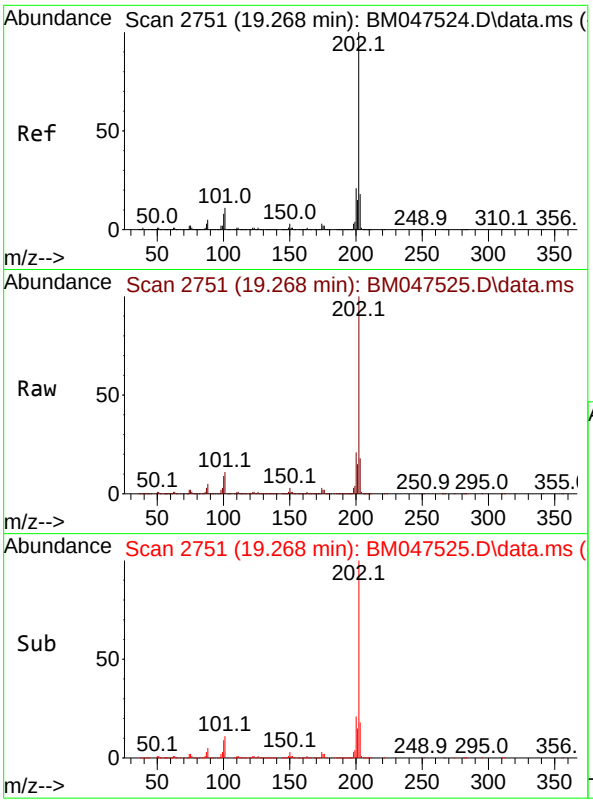


#74
Di-n-butylphthalate
Concen: 53.702 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 6497317

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.7	4.6	6.8

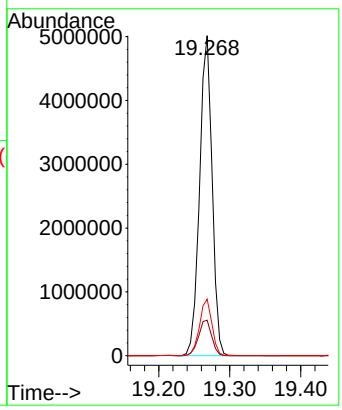




#75
Fluoranthene
Concen: 53.071 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:202 Resp: 614949

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.8
203	17.6	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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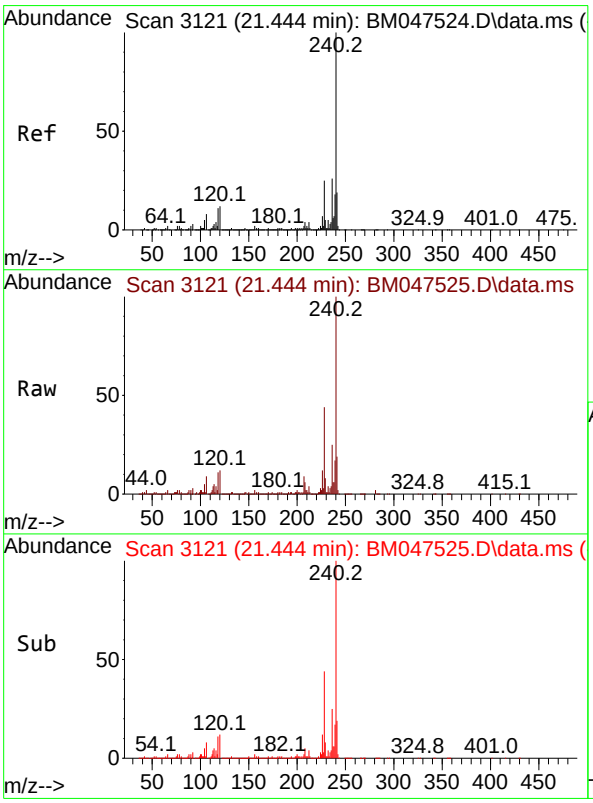
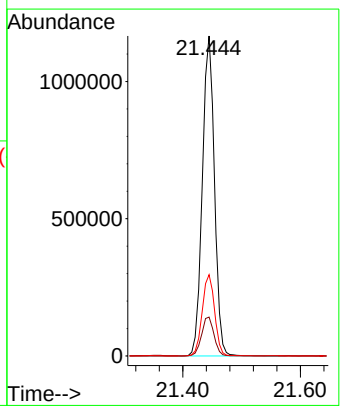
Supervised By :mohammad ahmed 09/17/2024

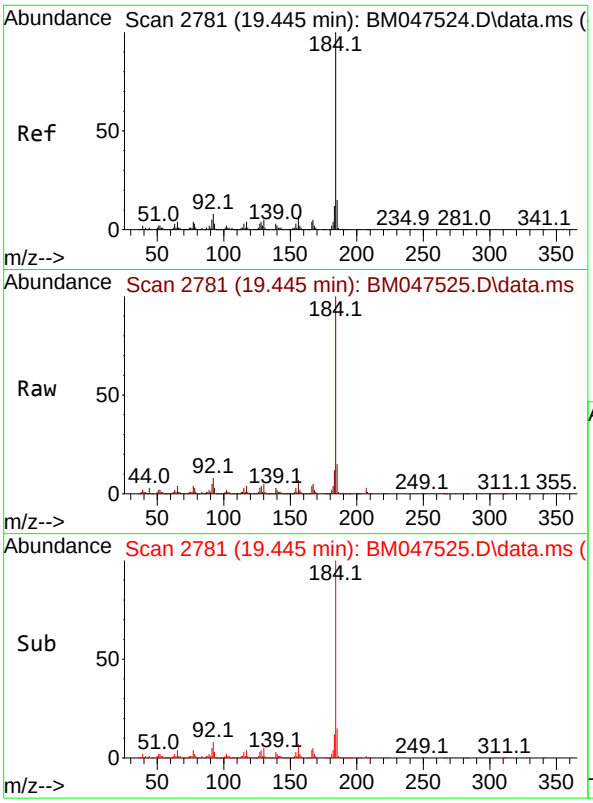


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:240 Resp: 1661575

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.6	14.4
236	25.4	20.9	31.3

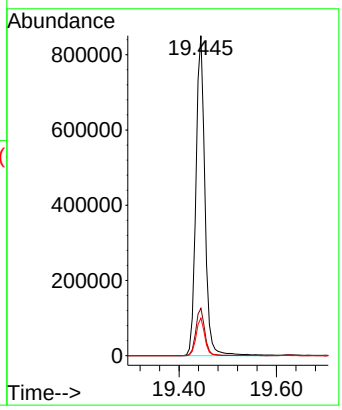




#77
Benzidine
Concen: 46.978 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:184 Resp: 109934

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.2	18.2
183	11.8	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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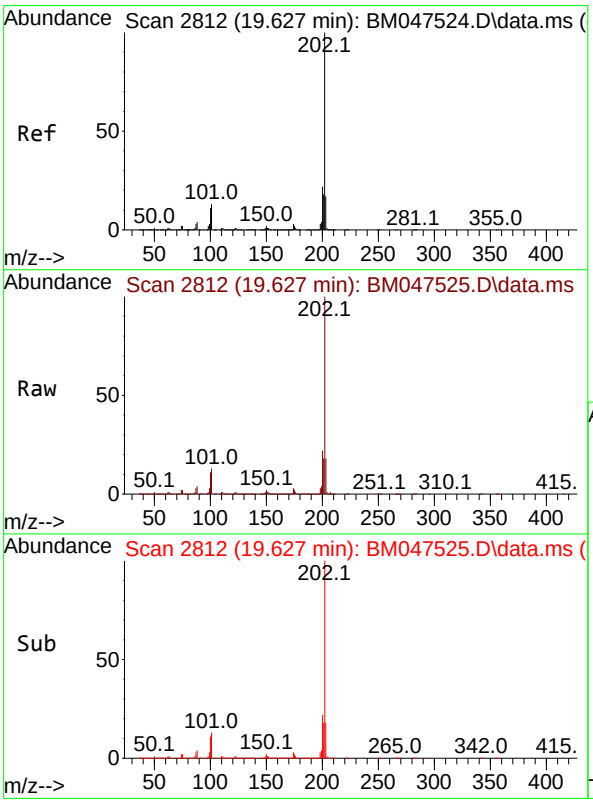
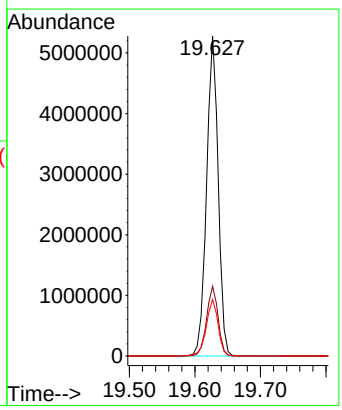
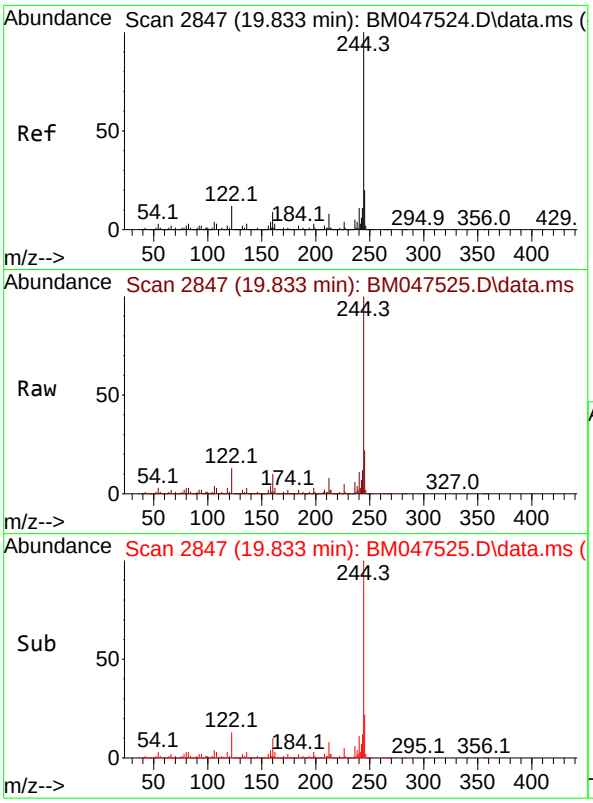


#78
Pyrene
Concen: 53.600 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:202 Resp: 6496279

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.6	14.0	21.0

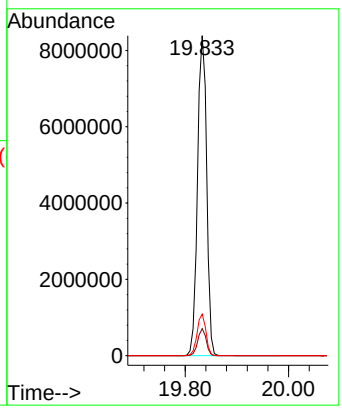




#79
Terphenyl-d14
Concen: 110.997 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:244 Resp:1029219

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	13.0	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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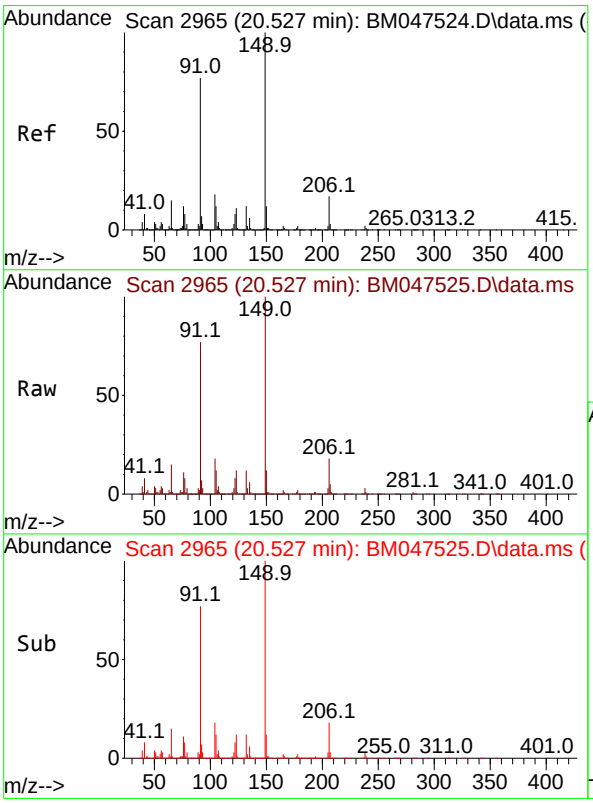
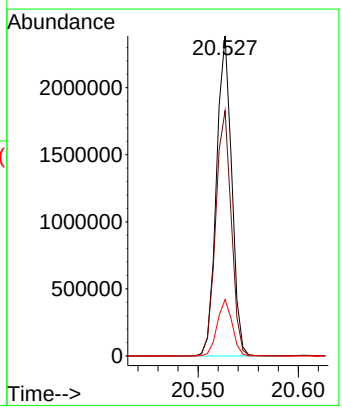
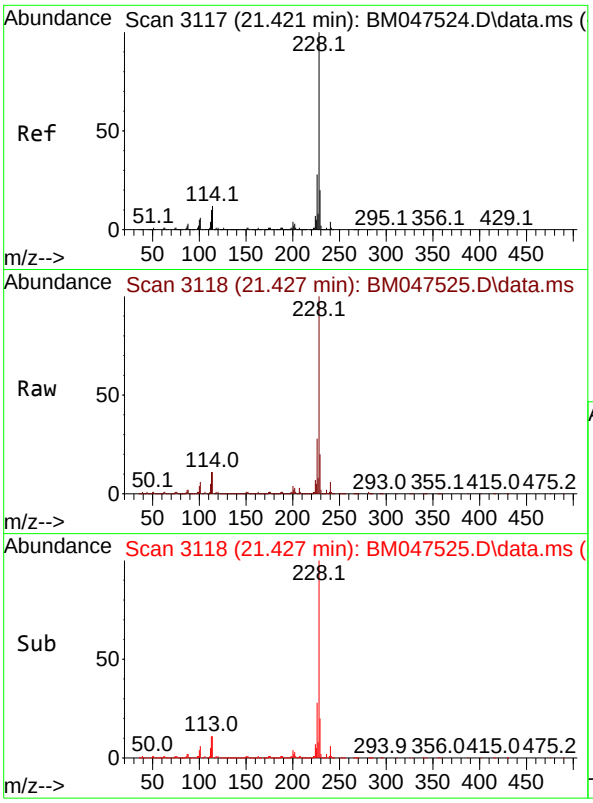


#80
Butylbenzylphthalate
Concen: 53.774 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 2508902

Ion	Ratio	Lower	Upper
149	100		
91	76.6	62.0	93.0
206	17.7	13.8	20.8

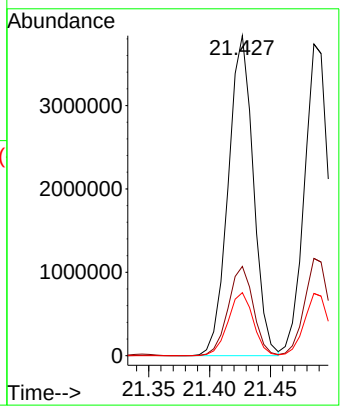




#81
Benzo(a)anthracene
Concen: 50.819 ng
RT: 21.427 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:228 Resp: 550376

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	19.7	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
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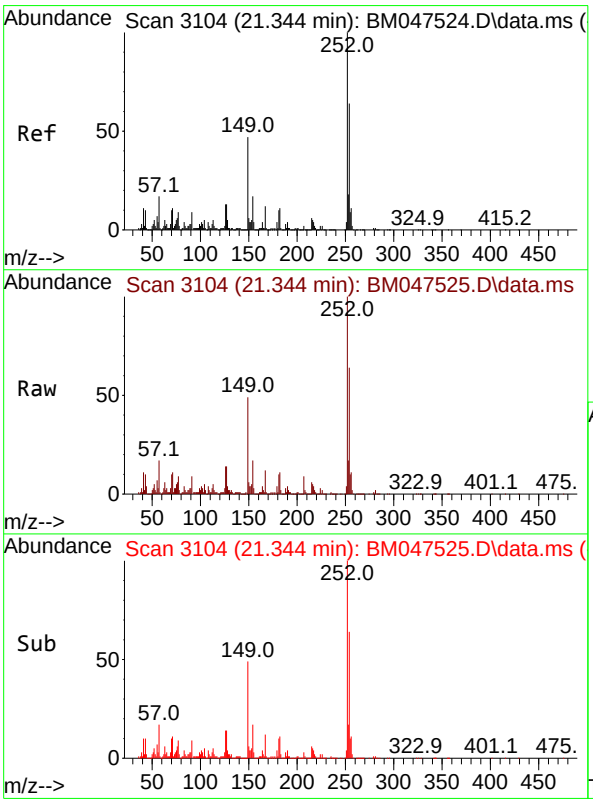
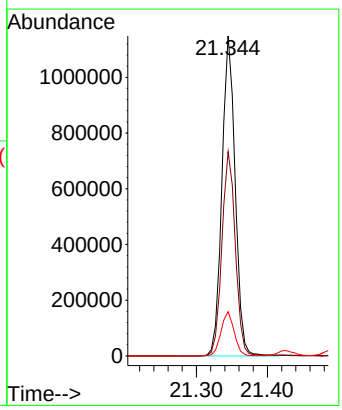
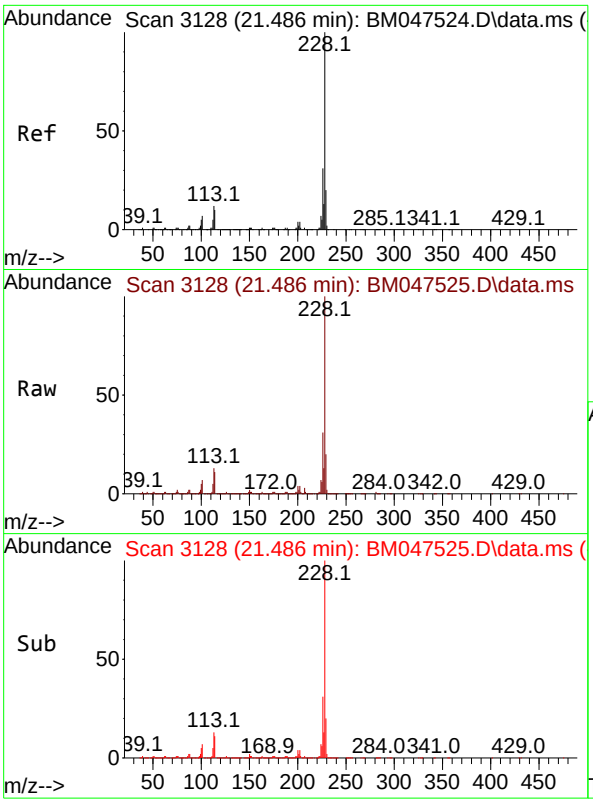


#82
3,3'-Dichlorobenzidine
Concen: 51.333 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 1478863

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.5	77.3
126	13.9	10.3	15.5

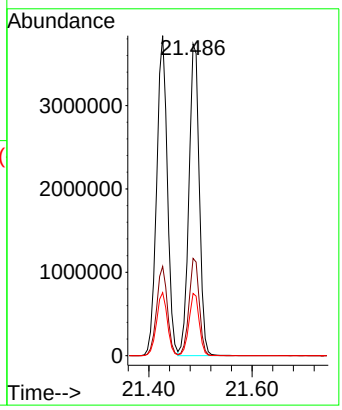




#83
Chrysene
Concen: 50.689 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:228 Resp: 519253

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	19.9	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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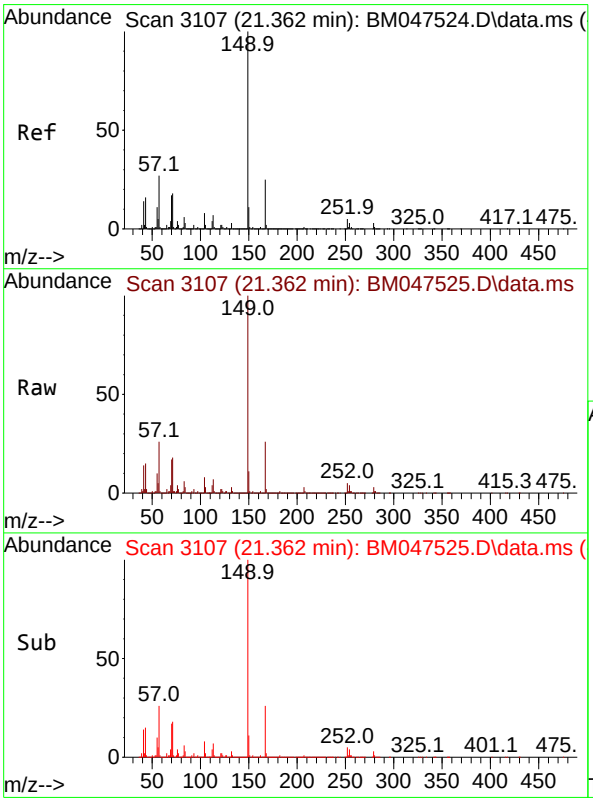
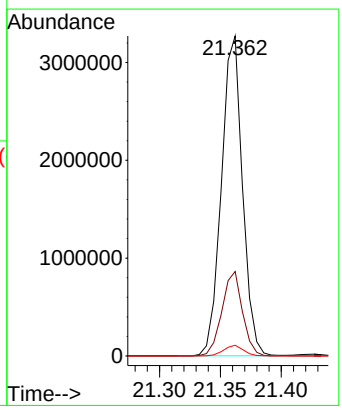
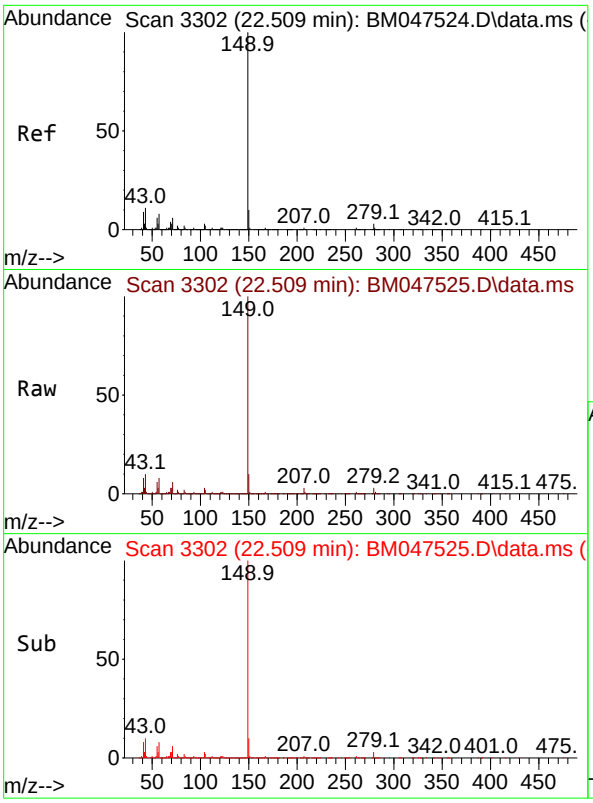


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.839 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 3935057

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.2	30.4
279	3.3	2.6	4.0

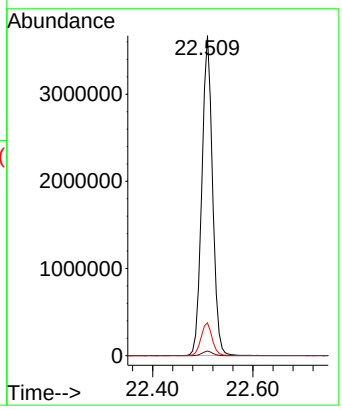




#85
Di-n-octyl phthalate
Concen: 52.601 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 543806

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.6	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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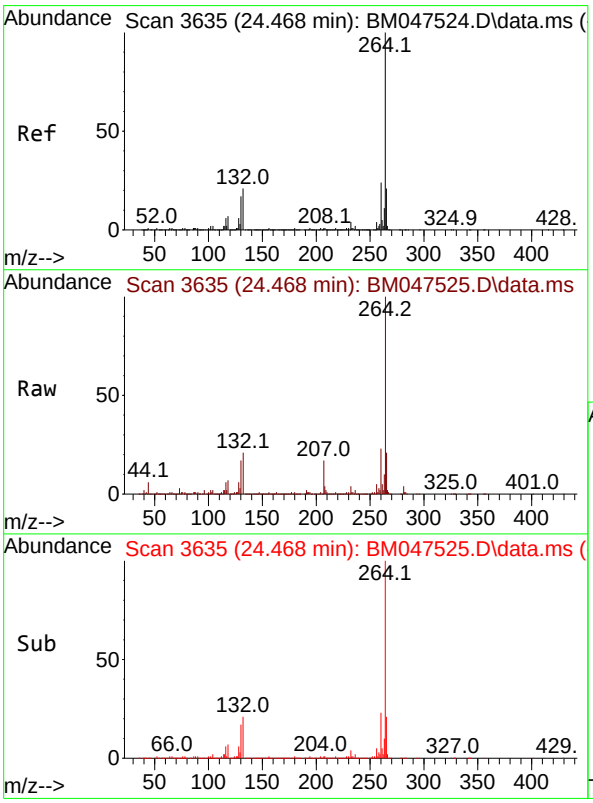
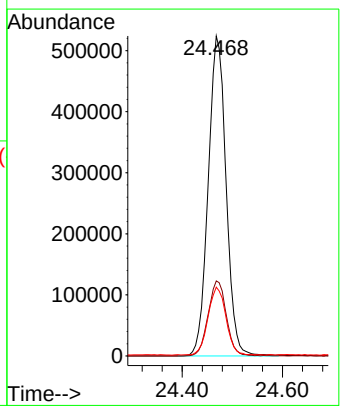
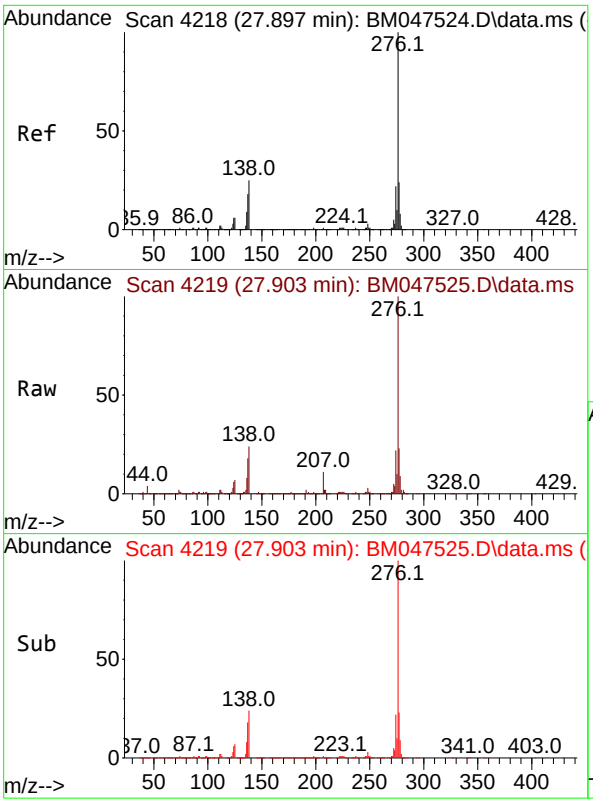


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:264 Resp: 1297327

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.5	17.4	26.2

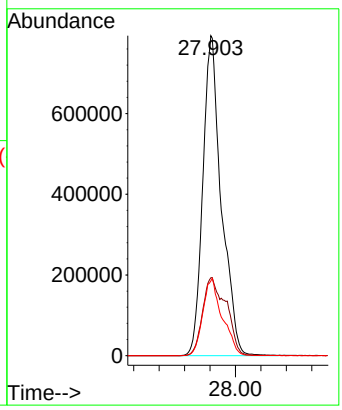




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.731 ng
RT: 27.903 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:276 Resp: 401629

Ion	Ratio	Lower	Upper
276	100		
138	31.0	25.0	37.6
277	25.3	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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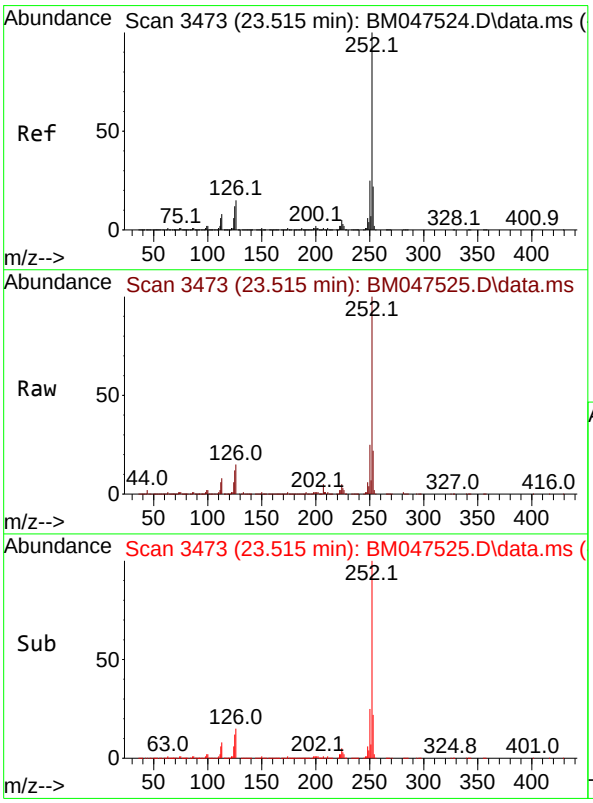
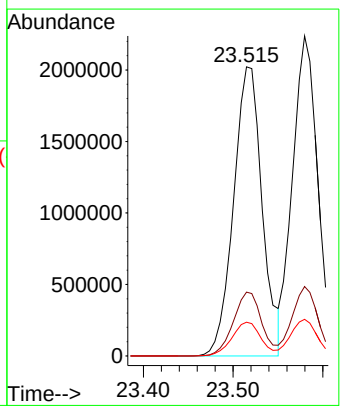
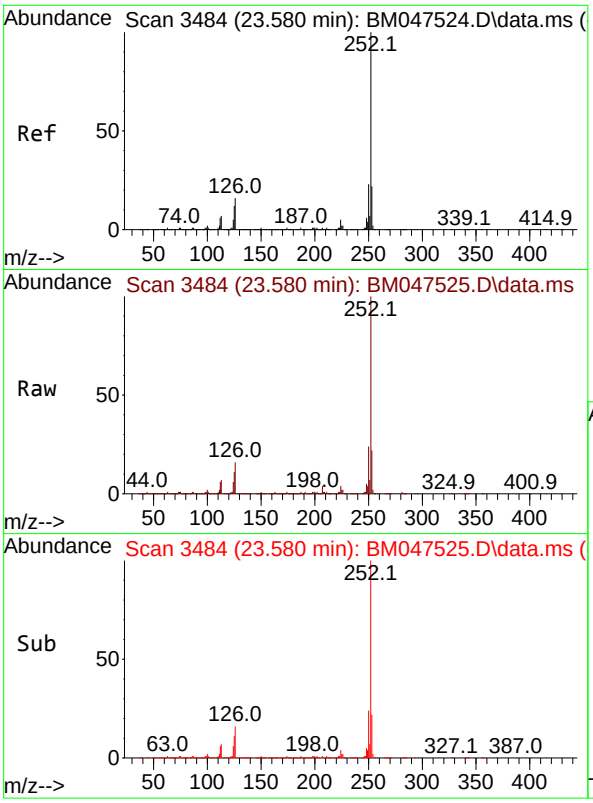


#88
Benzo(b)fluoranthene
Concen: 53.347 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 4477877

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.7	9.5	14.3





#89
Benzo(k)fluoranthene
Concen: 52.652 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 438010

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	11.5	9.5	14.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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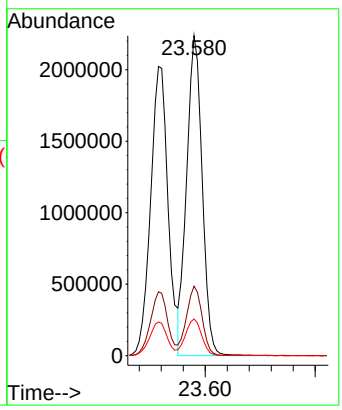
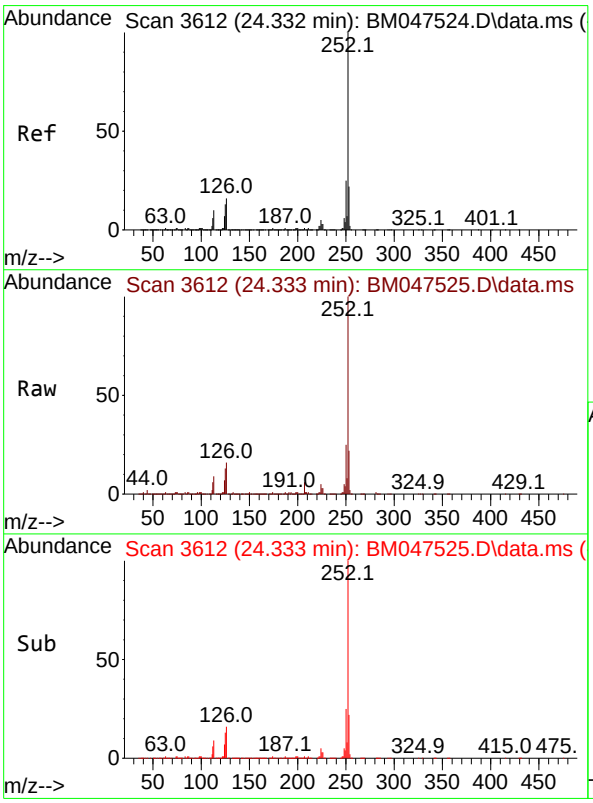
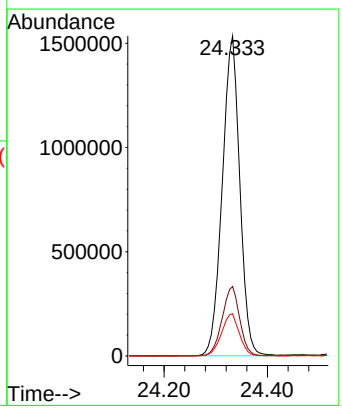


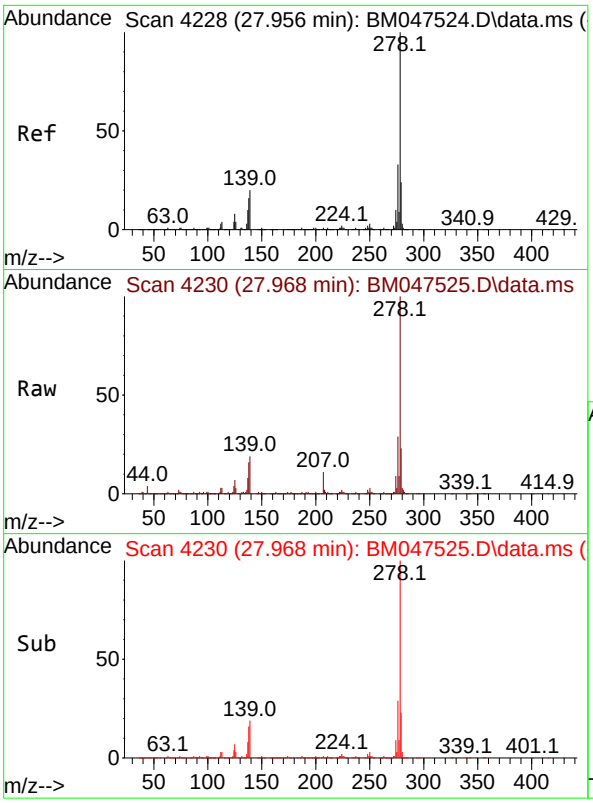


#90
Benzo(a)pyrene
Concen: 52.521 ng
RT: 24.333 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 3613289

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	13.2	10.2	15.4

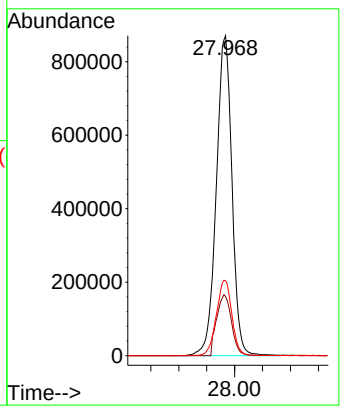




#91
Dibenzo(a,h)anthracene
Concen: 51.962 ng
RT: 27.968 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:278 Resp: 339418

Ion	Ratio	Lower	Upper
278	100		
139	18.5	15.9	23.9
279	23.4	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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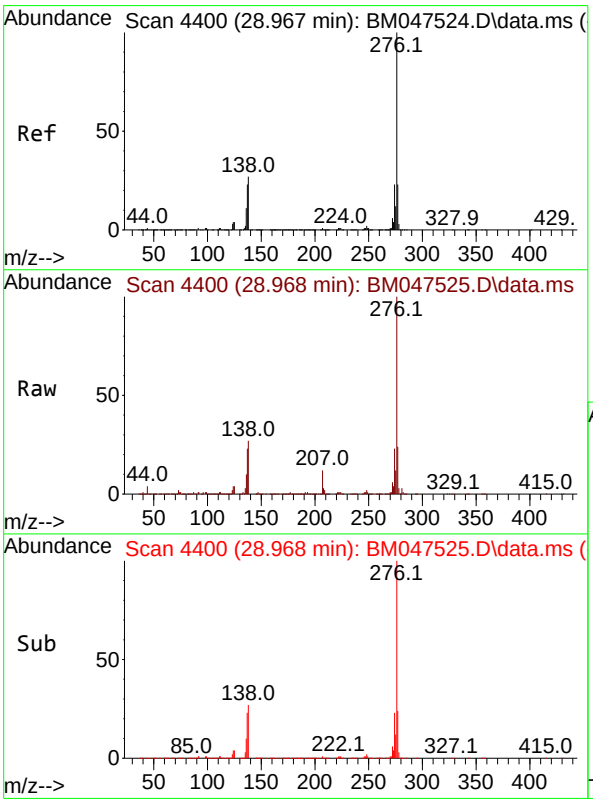
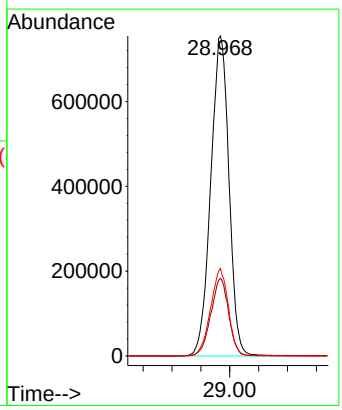
Supervised By :mohammad ahmed 09/17/2024



#92
Benzo(g,h,i)perylene
Concen: 51.757 ng
RT: 28.968 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:276 Resp: 3302500

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	27.3	21.5	32.3



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Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 15 08:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	401641	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1736528	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	989132	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1777314	20.000	ng	0.00
76) Chrysene-d12	21.445	240	1418749	20.000	ng	0.00
86) Perylene-d12	24.474	264	1211205	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3208031	127.175	ng	0.00
7) Phenol-d6	7.016	99	4579779	128.919	ng	0.00
23) Nitrobenzene-d5	9.010	82	4344782	125.215	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1293238	135.264	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	9542327	132.892	ng	0.00
79) Terphenyl-d14	19.833	244	10741844	135.674	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	633133	58.600	ng	99
3) Pyridine	3.717	79	1940108m	60.341	ng	
4) n-Nitrosodimethylamine	3.628	42	886792	60.773	ng	98
6) Aniline	7.181	93	1934266	61.416	ng	99
8) 2-Chlorophenol	7.416	128	1742448	62.660	ng	98
9) Benzaldehyde	6.987	77	888135	52.578	ng	99
10) Phenol	7.040	94	2252760	63.333	ng	97
11) bis(2-Chloroethyl)ether	7.275	93	1730259	60.591	ng	99
12) 1,3-Dichlorobenzene	7.740	146	1854079	60.914	ng	99
13) 1,4-Dichlorobenzene	7.887	146	1892143	61.033	ng	99
14) 1,2-Dichlorobenzene	8.204	146	1877483	61.537	ng	100
15) Benzyl Alcohol	8.087	79	1531455	63.643	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.381	45	2358074	58.702	ng	99
17) 2-Methylphenol	8.287	107	1429553	62.911	ng	99
18) Hexachloroethane	8.940	117	749536	60.522	ng	99
19) n-Nitroso-di-n-propyla...	8.663	70	1491219	62.260	ng	98
20) 3+4-Methylphenols	8.622	107	1991121	62.798	ng	98
22) Acetophenone	8.675	105	2855264	62.541	ng	98
24) Nitrobenzene	9.052	77	2188384	61.376	ng	99
25) Isophorone	9.581	82	3772893	61.849	ng	98
26) 2-Nitrophenol	9.757	139	845610	69.598	ng	98
27) 2,4-Dimethylphenol	9.822	122	1154756	62.697	ng	99
28) bis(2-Chloroethoxy)met...	10.057	93	2330222	60.814	ng	99
29) 2,4-Dichlorophenol	10.293	162	1521433	65.020	ng	99
30) 1,2,4-Trichlorobenzene	10.510	180	1688520	62.996	ng	99
31) Naphthalene	10.698	128	5843030	62.302	ng	99
32) Benzoic acid	9.981	122	1116767	59.624	ng	99
33) 4-Chloroaniline	10.804	127	2085649	61.507	ng	99
34) Hexachlorobutadiene	10.993	225	929673	62.620	ng	99
35) Caprolactam	11.593	113	487846	63.293	ng	97
36) 4-Chloro-3-methylphenol	11.928	107	1715963	63.989	ng	99
37) 2-Methylnaphthalene	12.310	142	3965561	63.530	ng	99
38) 1-Methylnaphthalene	12.528	142	3930943	63.370	ng	100
40) 1,2,4,5-Tetrachloroben...	12.675	216	1753724	65.522	ng	100
41) Hexachlorocyclopentadiene	12.663	237	575739	65.800	ng	99
43) 2,4,6-Trichlorophenol	12.910	196	1127861	67.261	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 15 08:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
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Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.981	196	1247714	65.878	ng		99
46) 1,1'-Biphenyl	13.322	154	4962549	64.482	ng		98
47) 2-Chloronaphthalene	13.357	162	3830459	64.100	ng		100
48) 2-Nitroaniline	13.551	65	1160615	66.125	ng		99
49) Acenaphthylene	14.204	152	5553573	64.401	ng		99
50) Dimethylphthalate	13.945	163	4162540	61.743	ng		100
51) 2,6-Dinitrotoluene	14.051	165	913672	64.198	ng		99
52) Acenaphthene	14.545	154	3922692	64.922	ng		99
53) 3-Nitroaniline	14.381	138	1021704	64.587	ng		93
54) 2,4-Dinitrophenol	14.581	184	423951	59.540	ng		93
55) Dibenzofuran	14.881	168	5363983	63.175	ng		100
56) 4-Nitrophenol	14.681	139	847413	65.100	ng		97
57) 2,4-Dinitrotoluene	14.833	165	1224626	64.518	ng		99
58) Fluorene	15.528	166	4952783	64.791	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.104	232	954981	64.671	ng		98
60) Diethylphthalate	15.310	149	4407420	61.427	ng		99
61) 4-Chlorophenyl-phenyle...	15.522	204	2280190	65.236	ng		99
62) 4-Nitroaniline	15.539	138	1209326	65.036	ng		99
63) Azobenzene	15.816	77	4771374	60.394	ng		99
65) 4,6-Dinitro-2-methylph...	15.598	198	563860	60.152	ng		89
66) n-Nitrosodiphenylamine	15.733	169	3612114	66.434	ng		99
67) 4-Bromophenyl-phenylether	16.416	248	1164484	67.430	ng		94
68) Hexachlorobenzene	16.527	284	1298214	66.357	ng		98
69) Atrazine	16.680	200	954543	63.518	ng		99
70) Pentachlorophenol	16.869	266	800527	70.588	ng		100
71) Phenanthrene	17.257	178	6381802	65.155	ng		100
72) Anthracene	17.351	178	6231891	66.223	ng		100
73) Carbazole	17.616	167	6004968	64.390	ng		99
74) Di-n-butylphthalate	18.186	149	7206516	64.583	ng		100
75) Fluoranthene	19.268	202	6841477	64.019	ng		100
77) Benzidine	19.445	184	1004196	50.257	ng		98
78) Pyrene	19.627	202	7114617	68.749	ng		99
80) Butylbenzylphthalate	20.527	149	2667582	66.961	ng		96
81) Benzo(a)anthracene	21.427	228	5849988	63.261	ng		100
82) 3,3'-Dichlorobenzidine	21.345	252	1531051	62.240	ng		99
83) Chrysene	21.486	228	5501560	62.898	ng		100
84) Bis(2-ethylhexyl)phtha...	21.357	149	4125584	66.107	ng		98
85) Di-n-octyl phthalate	22.509	149	5924302	67.112	ng		99
87) Indeno(1,2,3-cd)pyrene	27.909	276	5148546	71.030	ng	#	91
88) Benzo(b)fluoranthene	23.515	252	5112237	65.235	ng		99
89) Benzo(k)fluoranthene	23.580	252	5026241	64.715	ng		99
90) Benzo(a)pyrene	24.333	252	4276255	66.577	ng		99
91) Dibenzo(a,h)anthracene	27.968	278	4352464	71.370	ng		99
92) Benzo(g,h,i)perylene	28.974	276	4255468	71.434	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
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Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 15 08:50:24 2024
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Manual Integrations APPROVED

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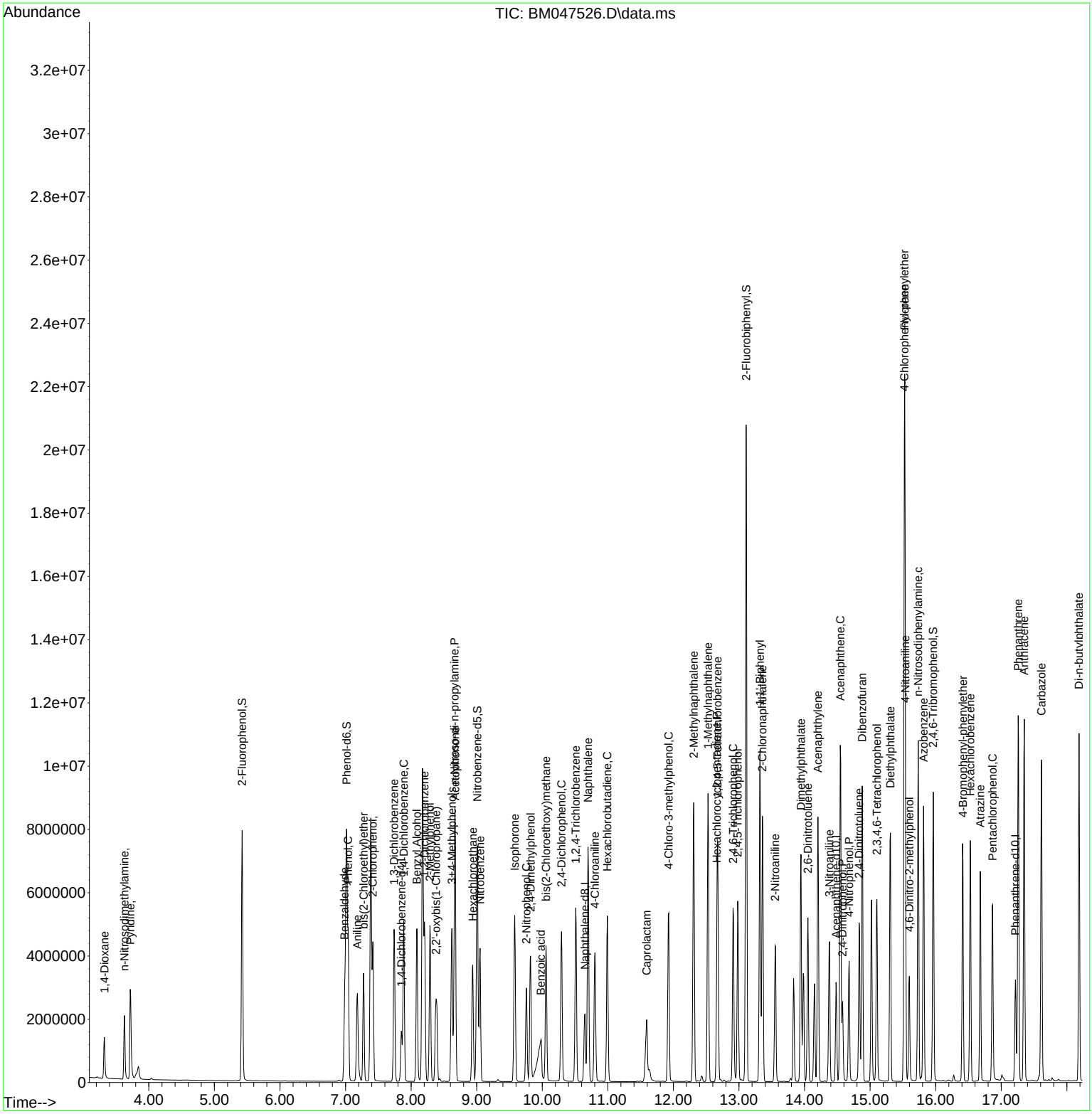
Supervised By :mohammad ahmed 09/17/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
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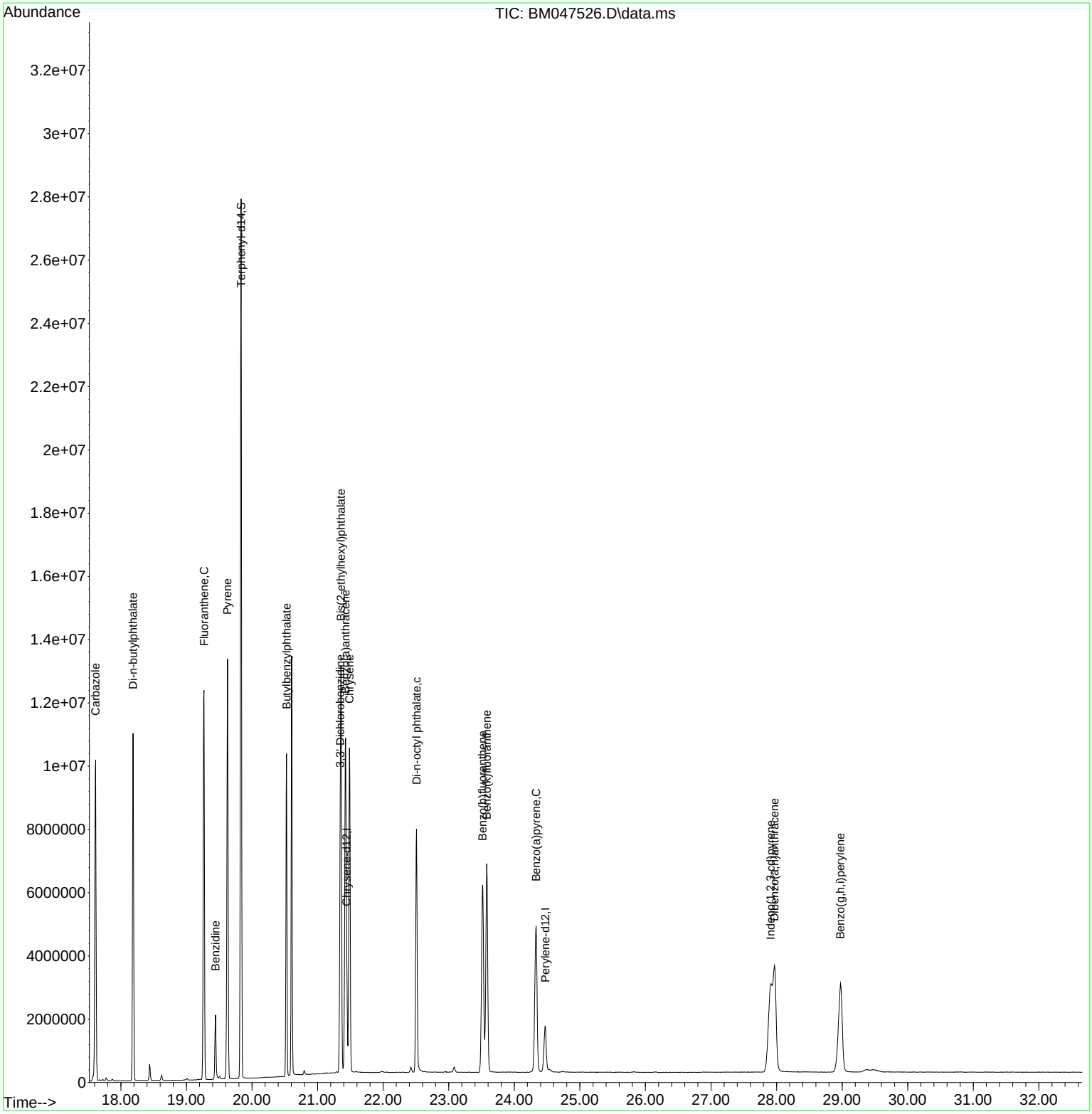
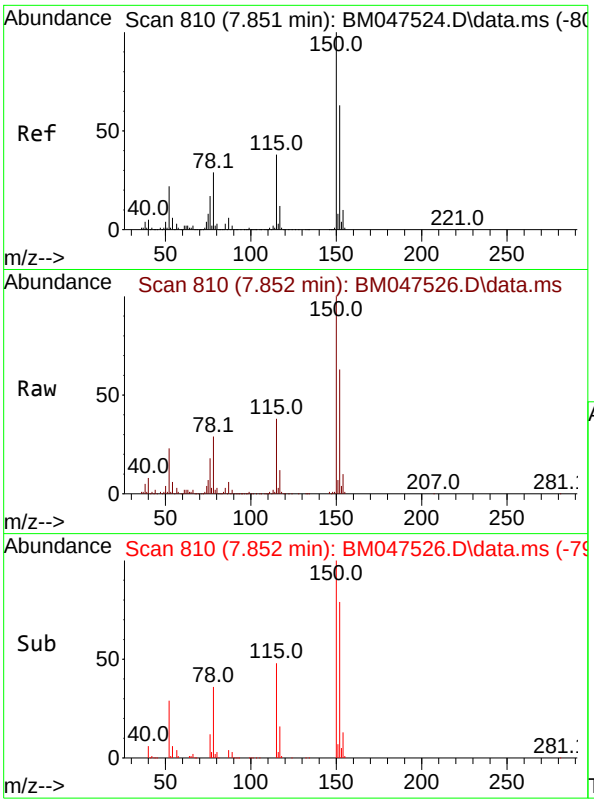
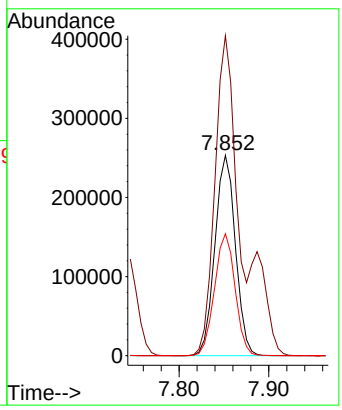




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:152 Resp: 40164

Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.8	190.2
115	60.8	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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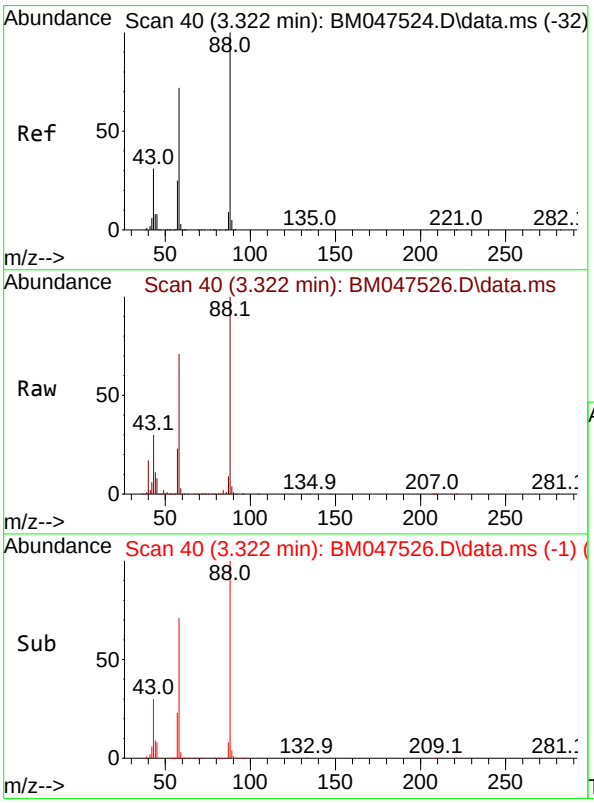
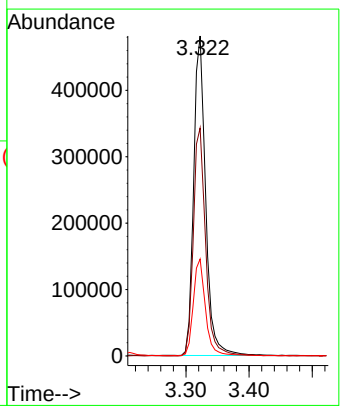
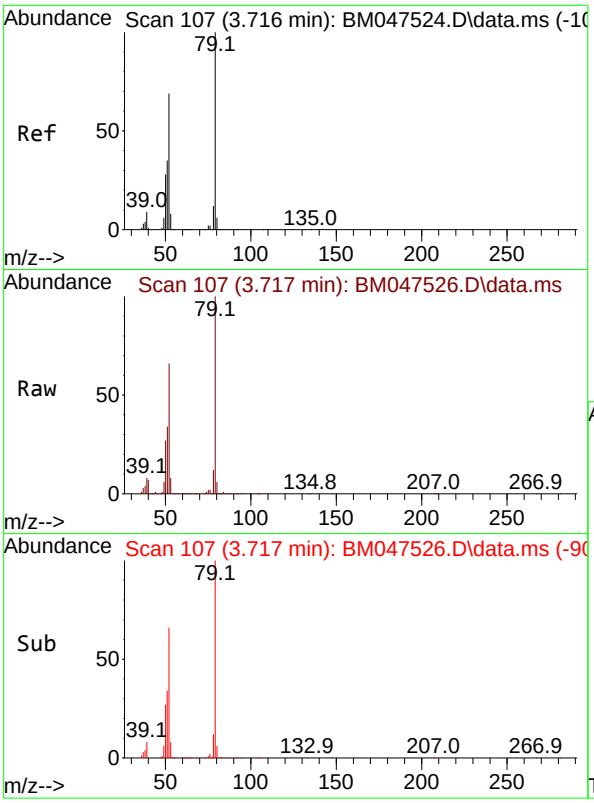


#2
1,4-Dioxane
Concen: 58.600 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 88 Resp: 633133

Ion	Ratio	Lower	Upper
88	100		
58	73.4	59.0	88.6
43	30.7	25.0	37.4

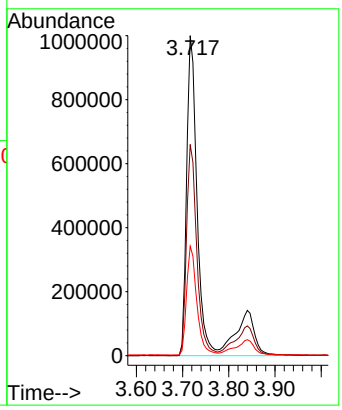




#3
Pyridine
Concen: 60.341 ng m
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 79 Resp: 194010

Ion	Ratio	Lower	Upper
79	100		
52	66.0	55.4	83.0
51	34.2	27.9	41.9



Instrument :
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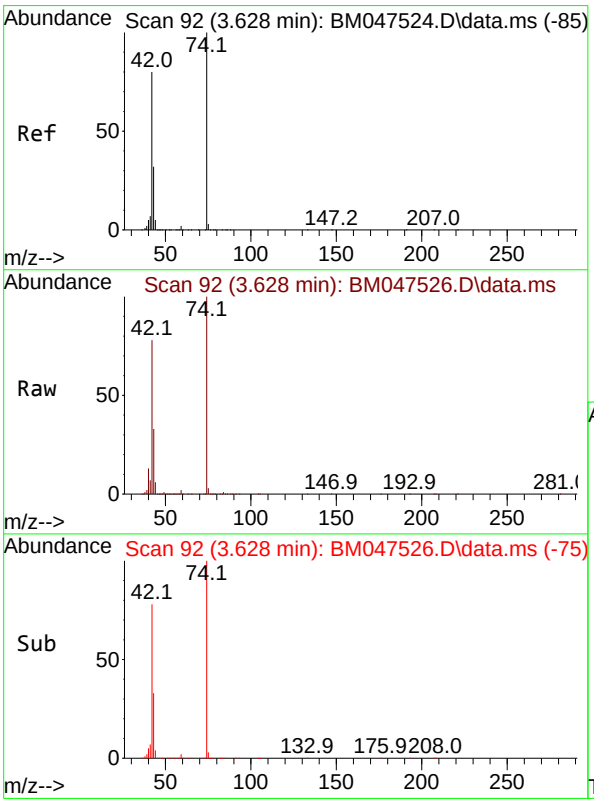
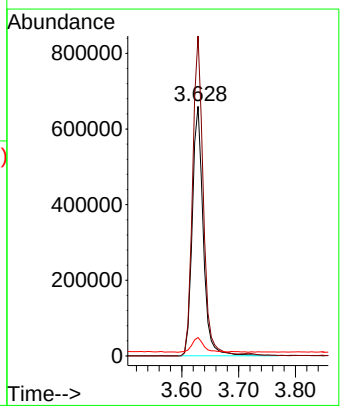
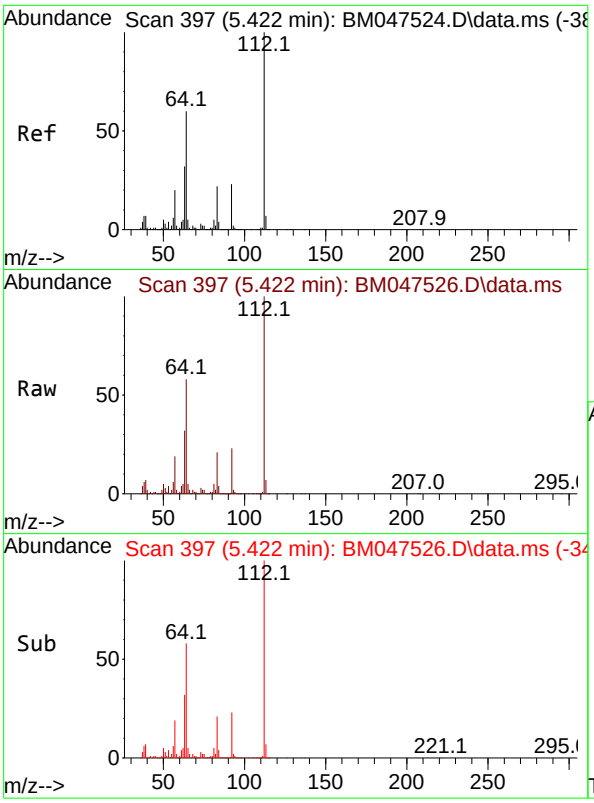


#4
n-Nitrosodimethylamine
Concen: 60.773 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 42 Resp: 886792

Ion	Ratio	Lower	Upper
42	100		
74	128.2	100.5	150.7
44	7.4	6.9	10.3

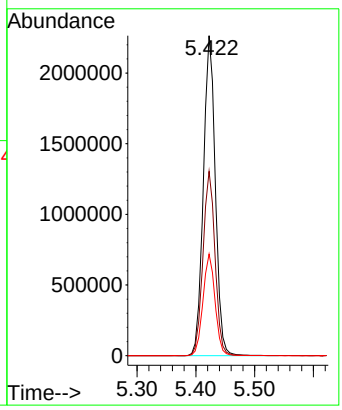




#5
2-Fluorophenol
Concen: 127.175 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:112 Resp: 320803

Ion	Ratio	Lower	Upper
112	100		
64	57.6	48.2	72.4
63	31.8	26.0	39.0



Instrument :
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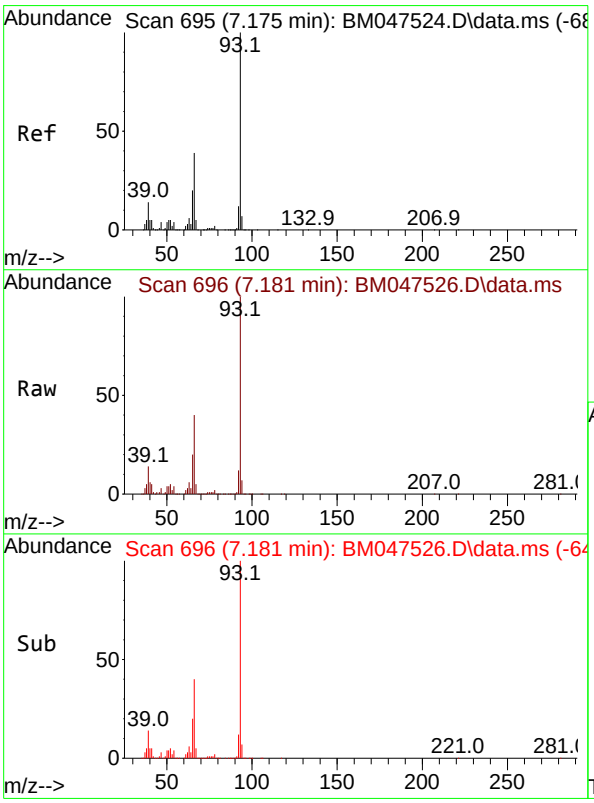
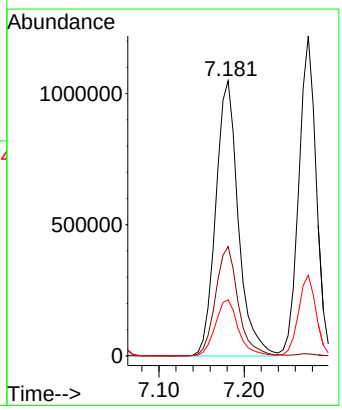
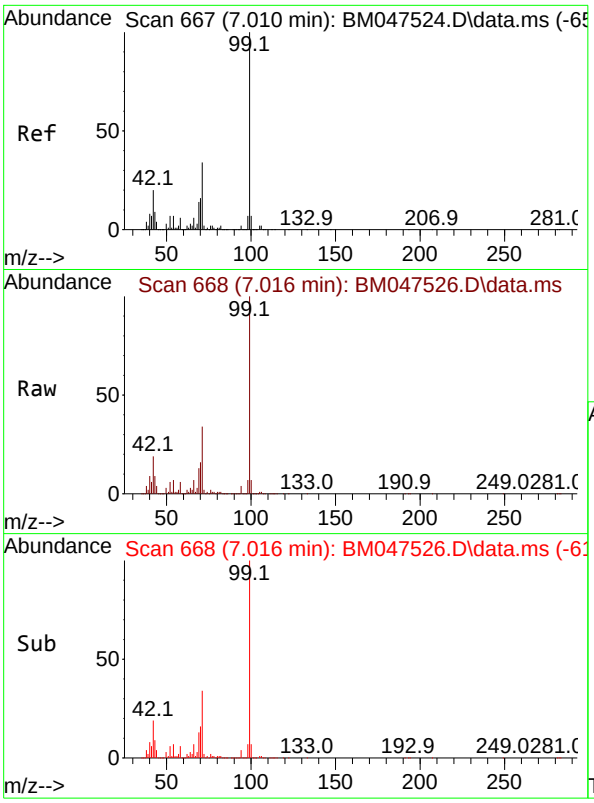


#6
Aniline
Concen: 61.416 ng
RT: 7.181 min Scan# 696
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 93 Resp: 1934266

Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.4	47.0
65	20.4	16.3	24.5

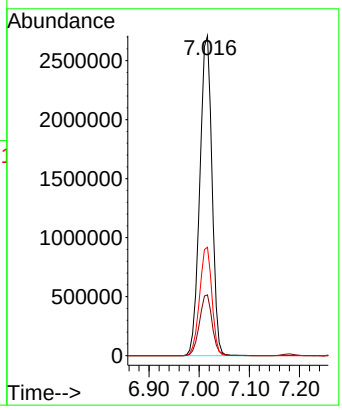




#7
Phenol-d6
Concen: 128.919 ng
RT: 7.016 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 99 Resp: 457977

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.8	23.8
71	33.9	27.6	41.4



Instrument :
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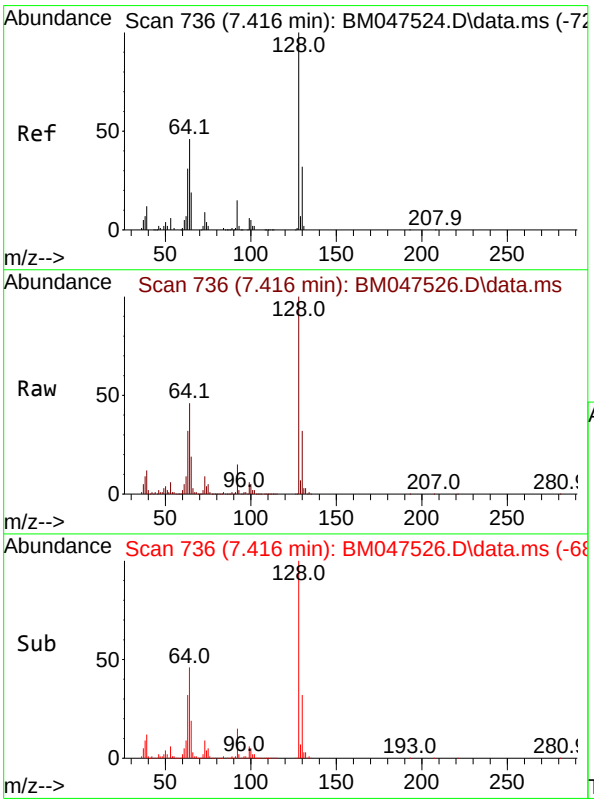
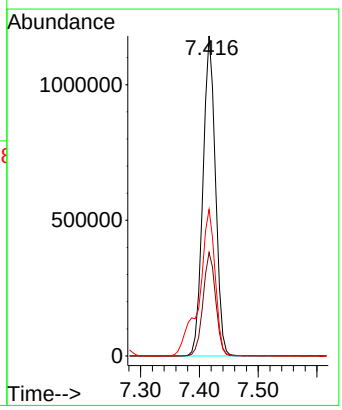
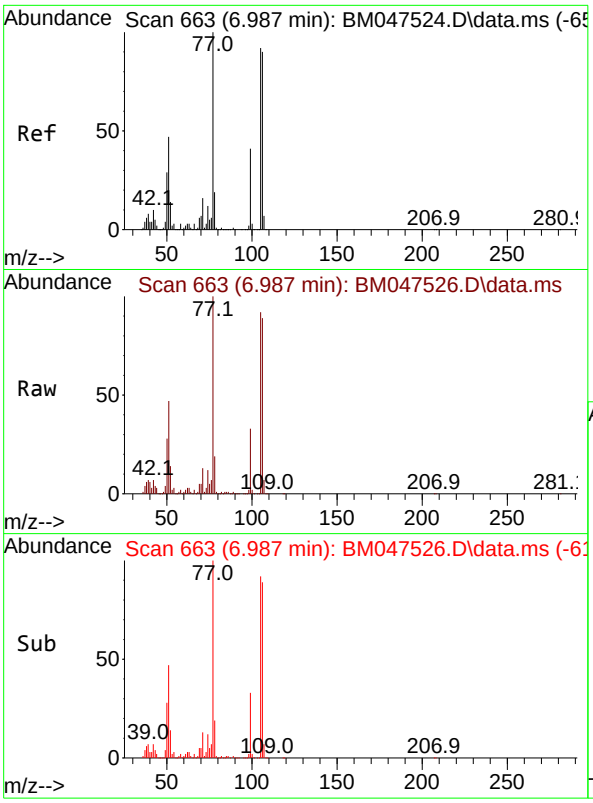


#8
2-Chlorophenol
Concen: 62.660 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:128 Resp: 1742448

Ion	Ratio	Lower	Upper
128	100		
130	32.4	11.8	51.8
64	45.8	27.6	67.6

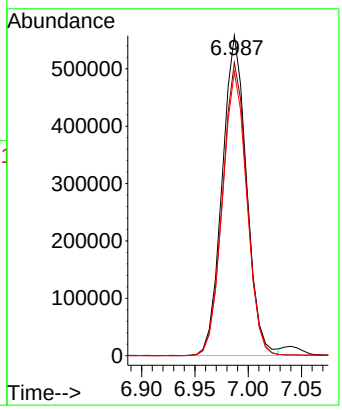




#9
Benzaldehyde
Concen: 52.578 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 77 Resp: 88813

Ion	Ratio	Lower	Upper
77	100		
105	91.6	71.8	111.8
106	88.7	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
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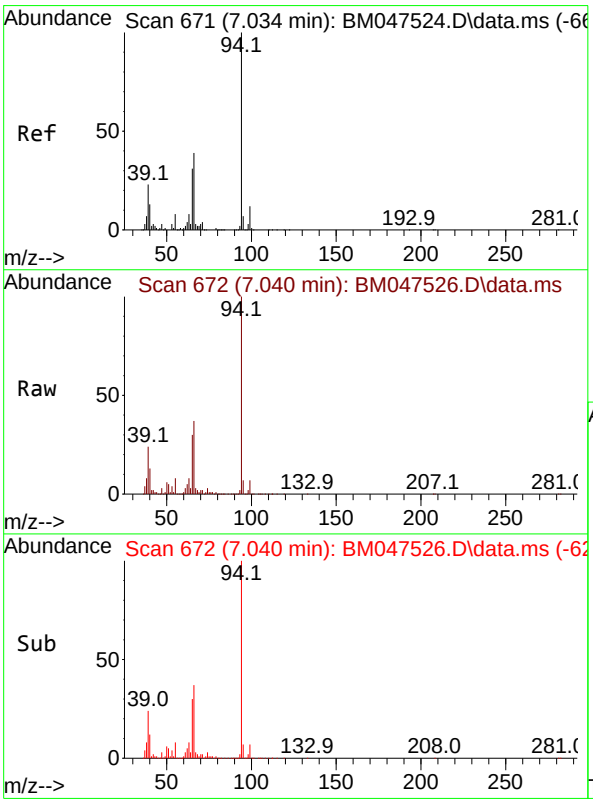
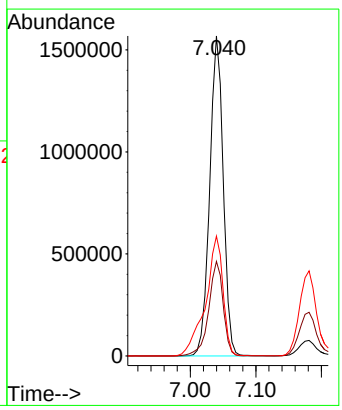
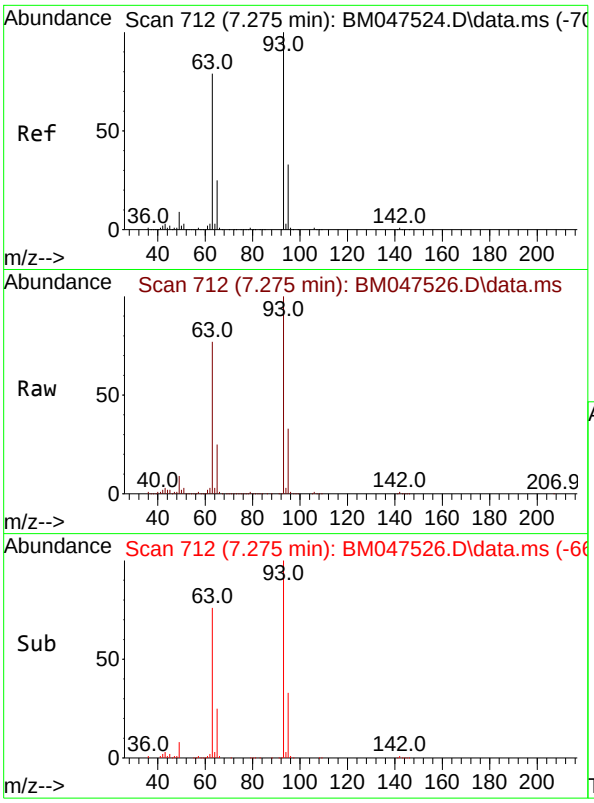


#10
Phenol
Concen: 63.333 ng
RT: 7.040 min Scan# 672
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 94 Resp: 2252760

Ion	Ratio	Lower	Upper
94	100		
65	29.6	10.8	50.8
66	37.4	19.2	59.2

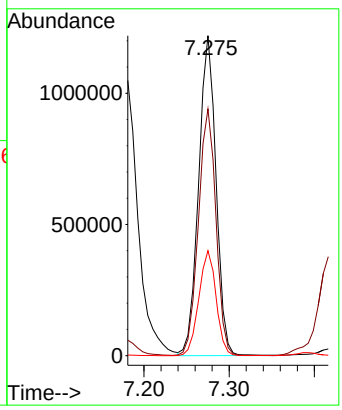




#11
bis(2-Chloroethyl)ether
Concen: 60.591 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 93 Resp: 173025

Ion	Ratio	Lower	Upper
93	100		
63	77.1	58.2	98.2
95	32.8	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
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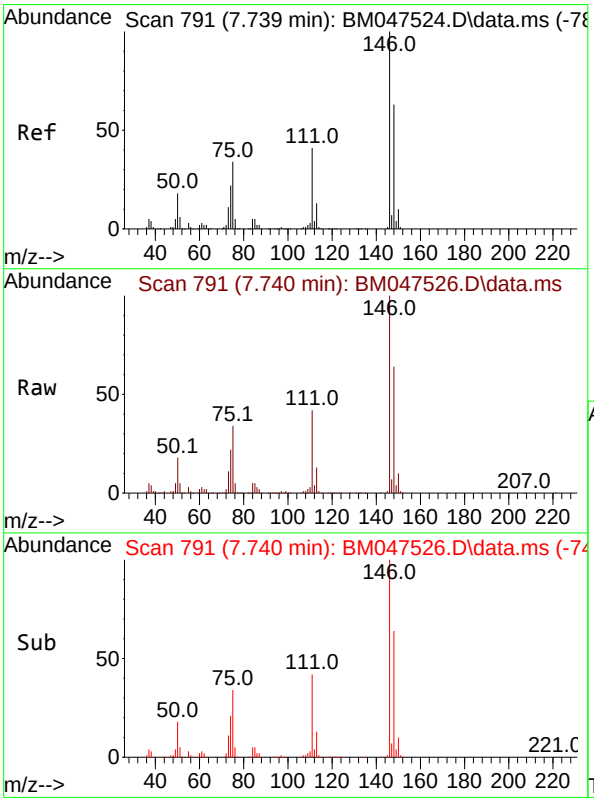
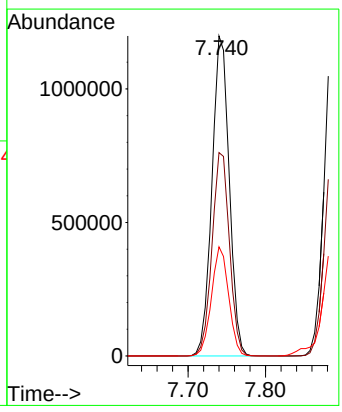
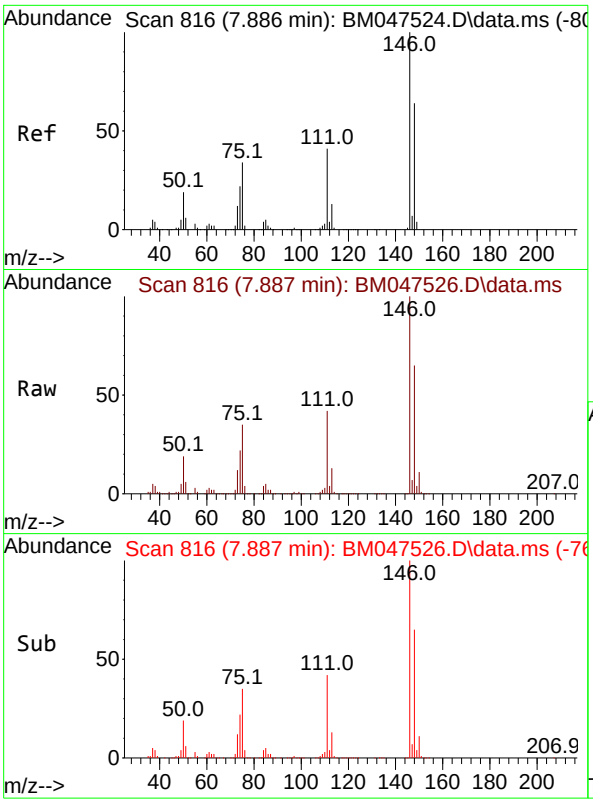


#12
1,3-Dichlorobenzene
Concen: 60.914 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:146 Resp: 1854079

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.2	75.4
75	34.1	27.4	41.0

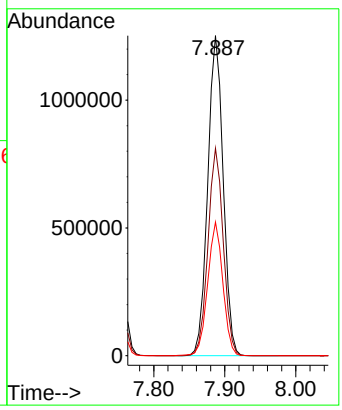




#13
1,4-Dichlorobenzene
Concen: 61.033 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:146 Resp: 189214

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	41.8	32.9	49.3



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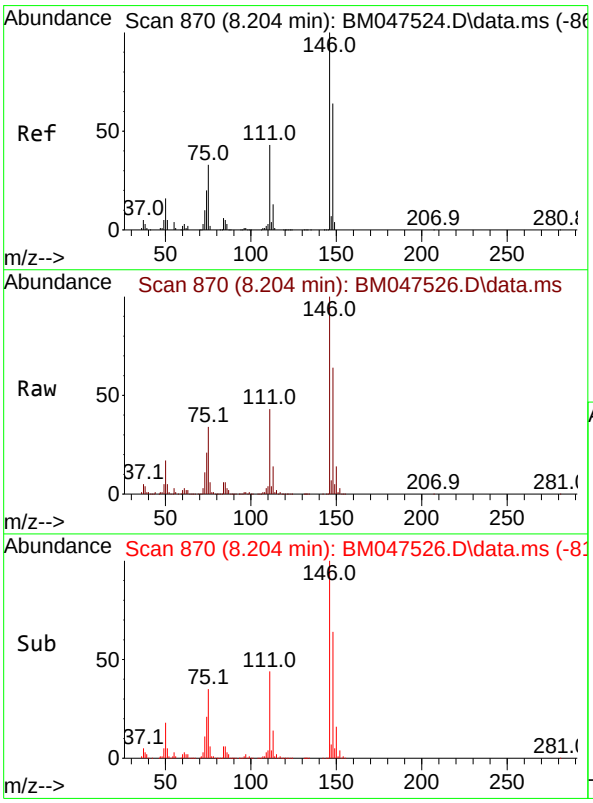
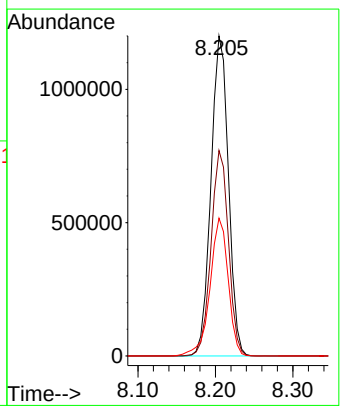
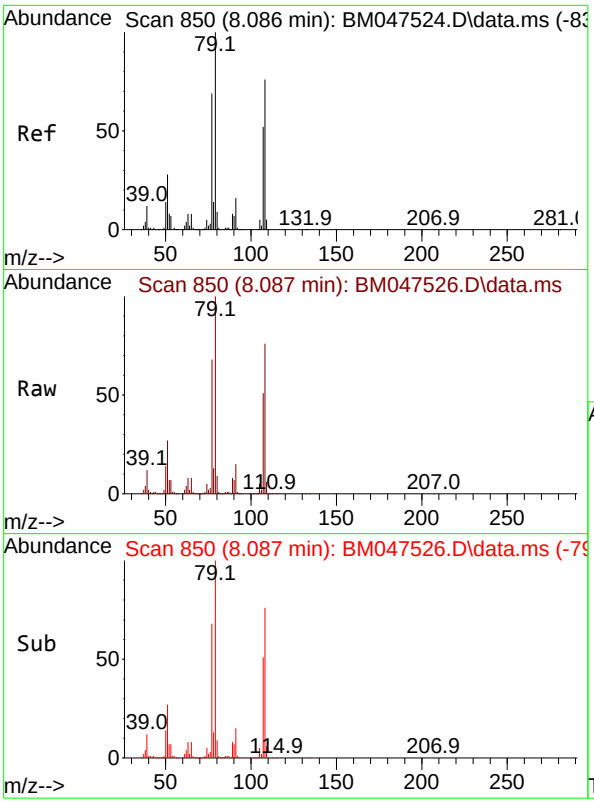


#14
1,2-Dichlorobenzene
Concen: 61.537 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:146 Resp: 1877483

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	43.0	34.7	52.1

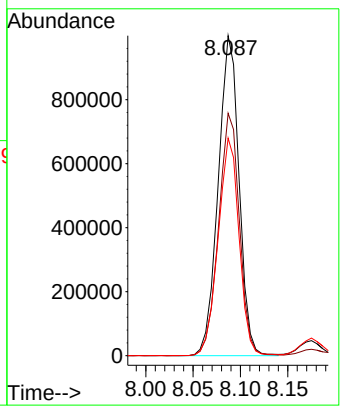




#15
Benzyl Alcohol
Concen: 63.643 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 79 Resp: 153145

Ion	Ratio	Lower	Upper
79	100		
108	75.7	60.6	91.0
77	68.0	55.0	82.4



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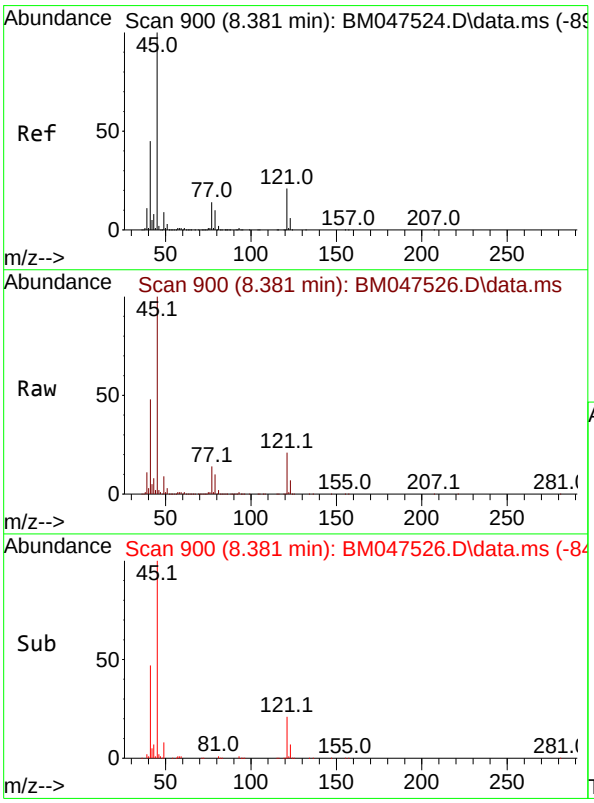
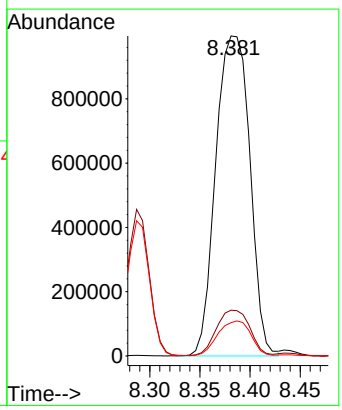
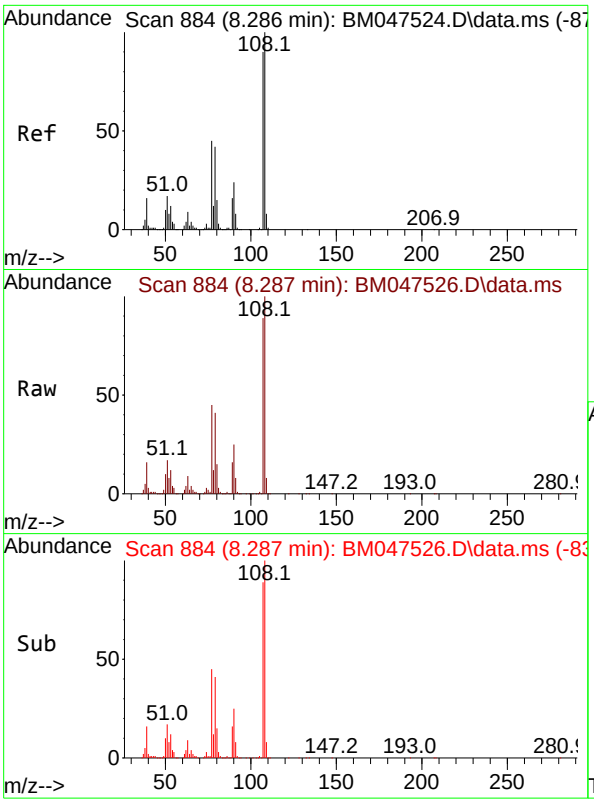


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.702 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 45 Resp: 2358074

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	33.7
79	10.4	0.0	30.3

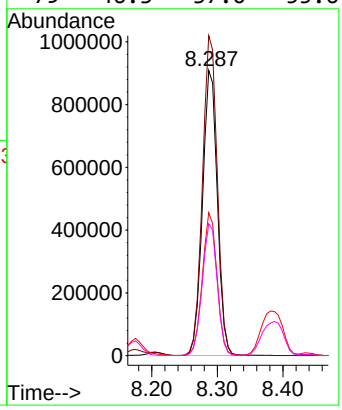




#17
2-Methylphenol
Concen: 62.911 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:107 Resp: 142955

Ion	Ratio	Lower	Upper
107	100		
108	112.2	88.9	133.3
77	50.2	39.8	59.8
79	46.3	37.0	55.6



Instrument :
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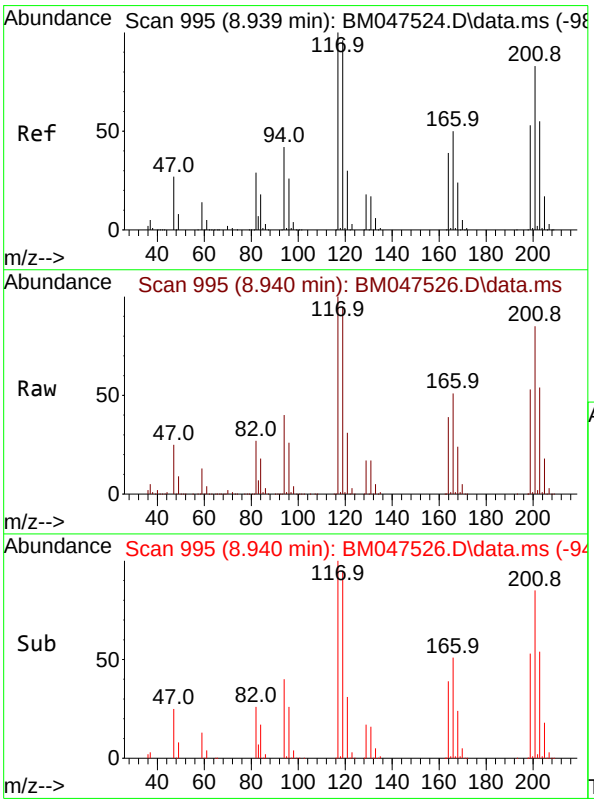
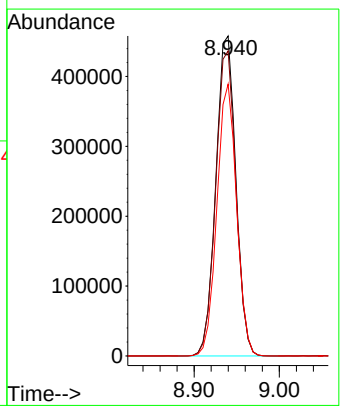
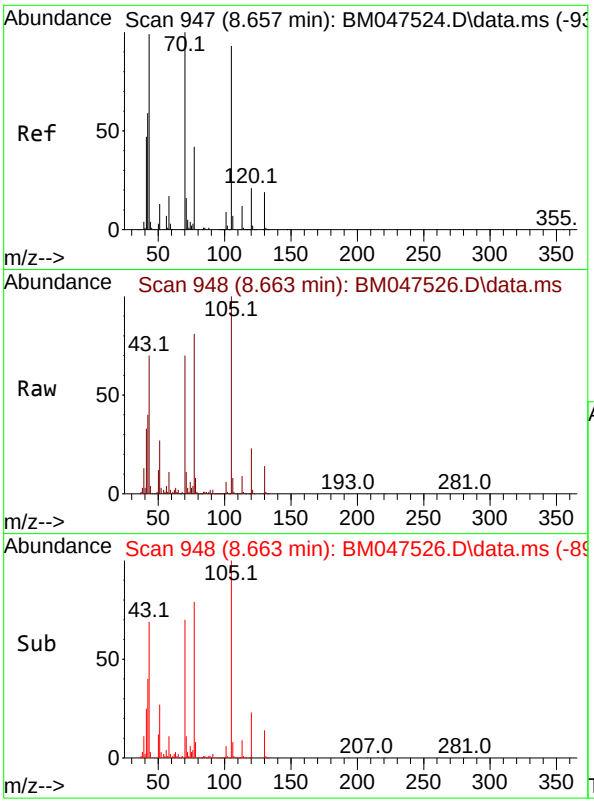


#18
Hexachloroethane
Concen: 60.522 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:117 Resp: 749536

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.4
201	85.0	66.8	100.2

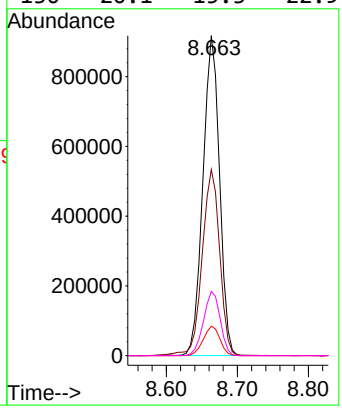




#19
n-Nitroso-di-n-propylamine
Concen: 62.260 ng
RT: 8.663 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 70 Resp: 149121

Ion	Ratio	Lower	Upper
70	100		
42	58.2	48.2	72.2
101	9.2	7.0	10.4
130	20.1	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
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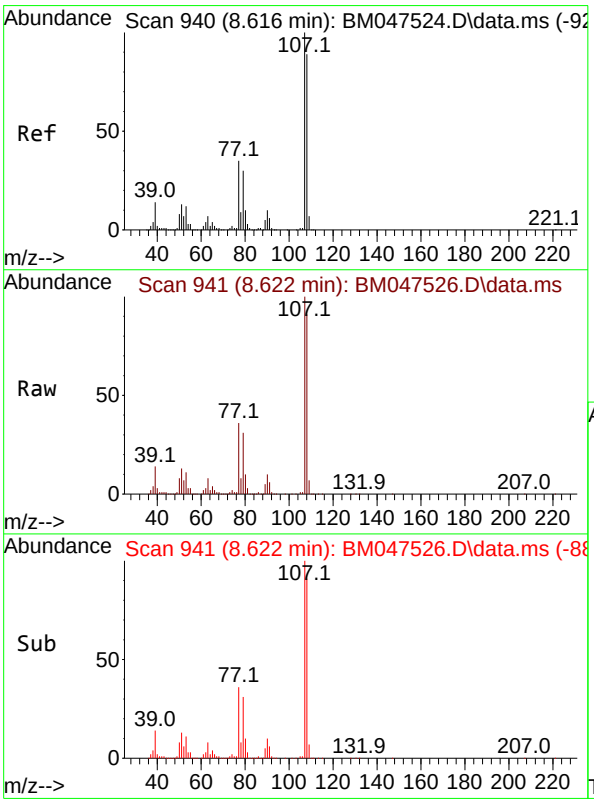
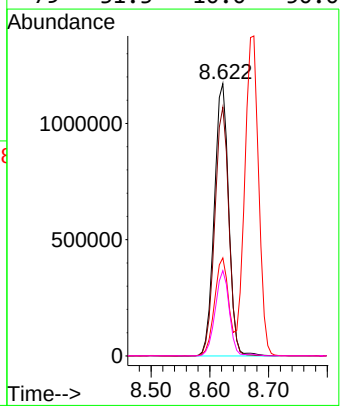
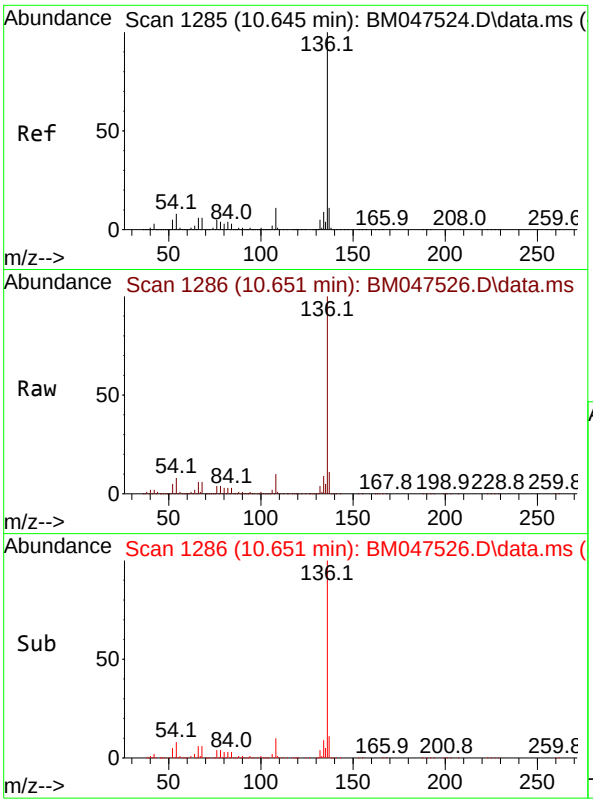


#20
3+4-Methylphenols
Concen: 62.798 ng
RT: 8.622 min Scan# 941
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:107 Resp: 1991121

Ion	Ratio	Lower	Upper
107	100		
108	91.3	68.9	108.9
77	36.0	15.5	55.5
79	31.3	10.0	50.0

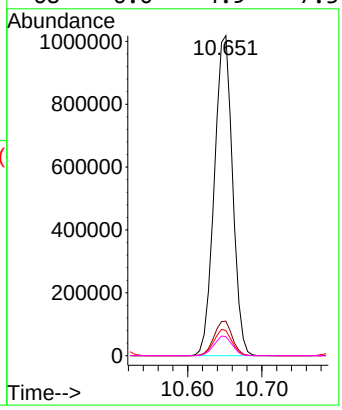




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:136 Resp: 173652

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.9	6.6	9.8
68	6.0	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
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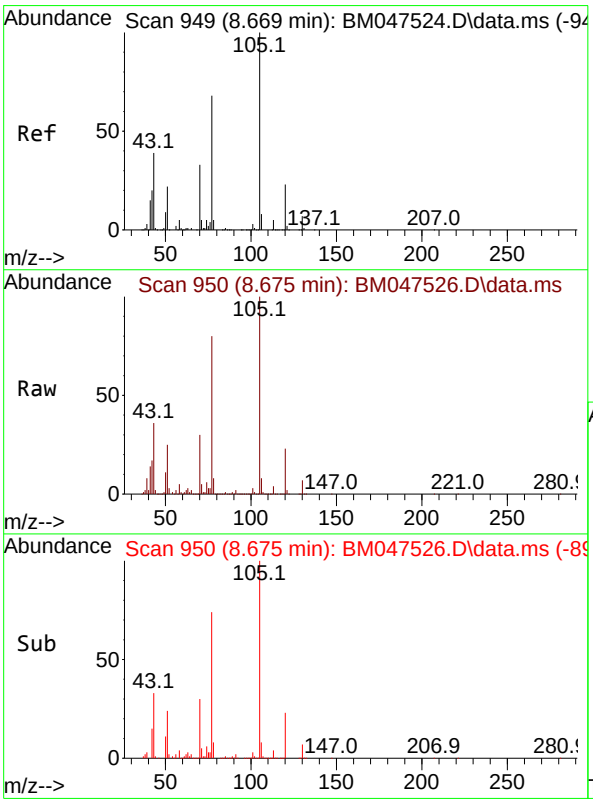
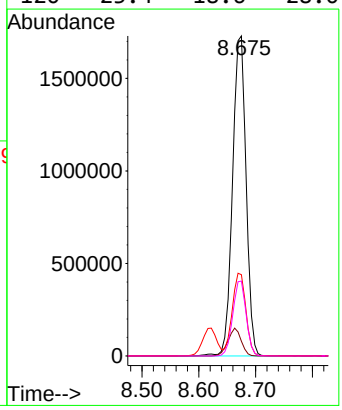
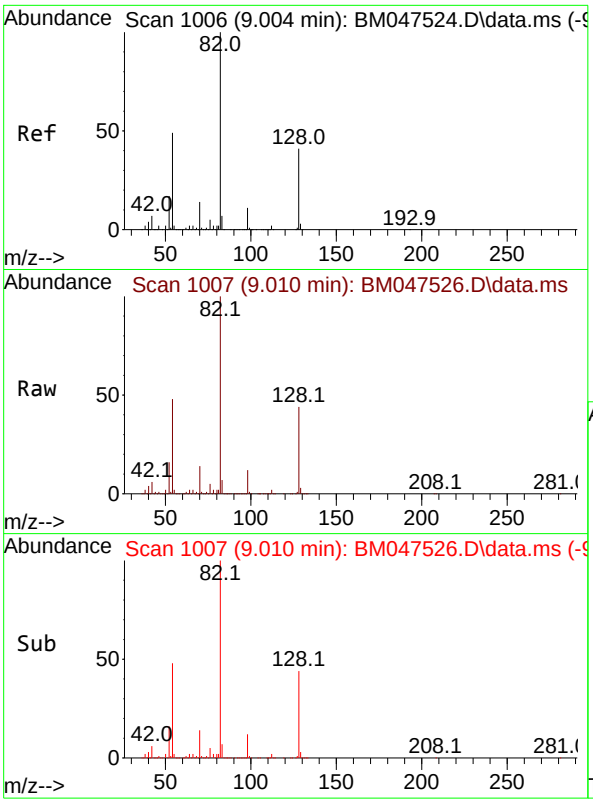


#22
Acetophenone
Concen: 62.541 ng
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:105 Resp: 2855264

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.3	6.5
51	25.4	21.5	32.3
120	23.4	18.6	28.0

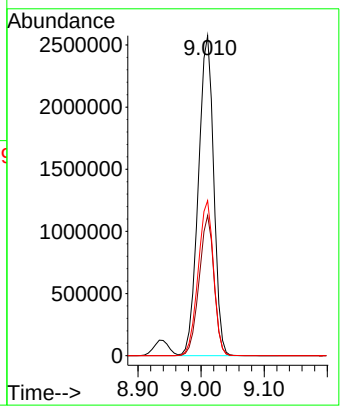




#23
Nitrobenzene-d5
Concen: 125.215 ng
RT: 9.010 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 82 Resp: 434478

Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.0	49.4
54	48.4	39.3	58.9



Instrument :
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ClientSampleId :
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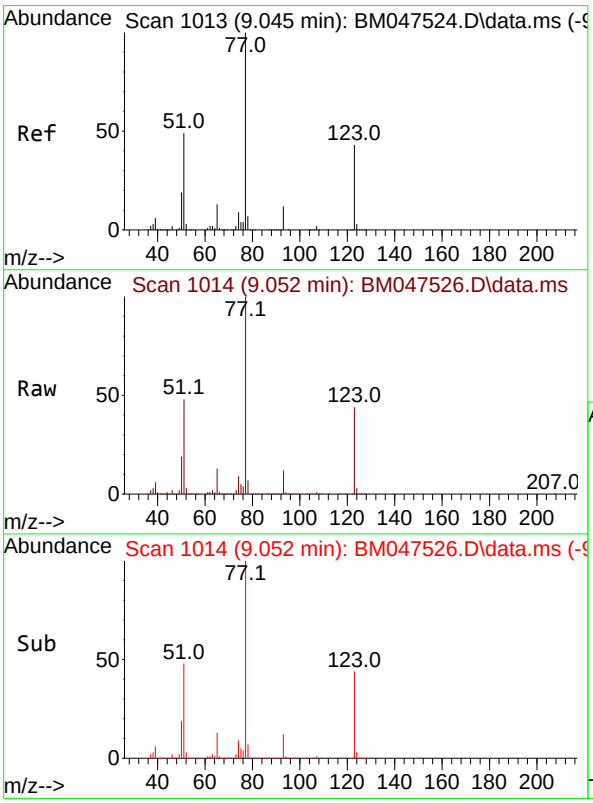
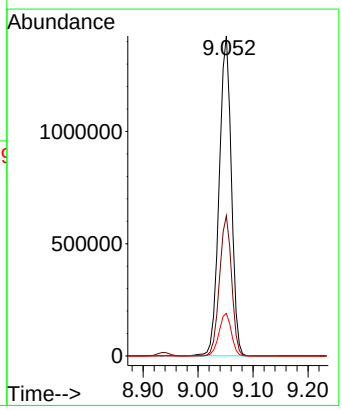
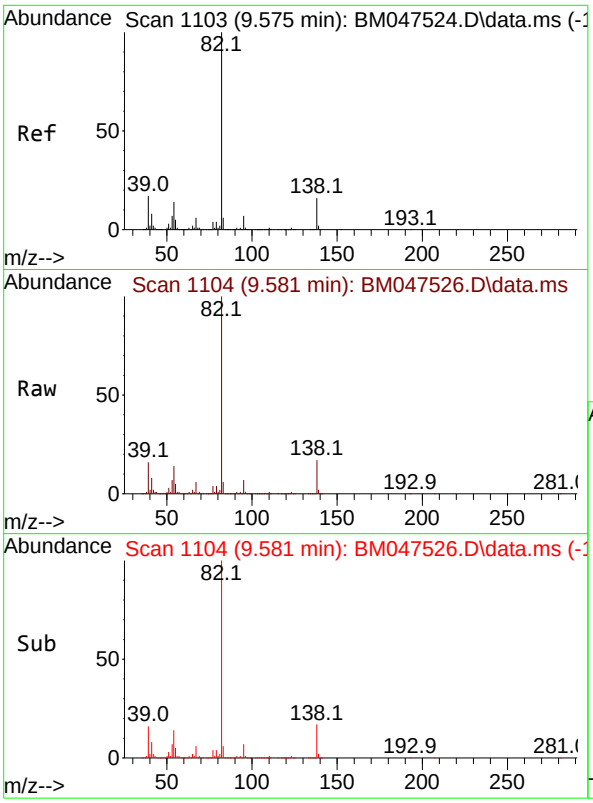


#24
Nitrobenzene
Concen: 61.376 ng
RT: 9.052 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 77 Resp: 2188384

Ion	Ratio	Lower	Upper
77	100		
123	43.8	34.5	51.7
65	13.3	10.7	16.1

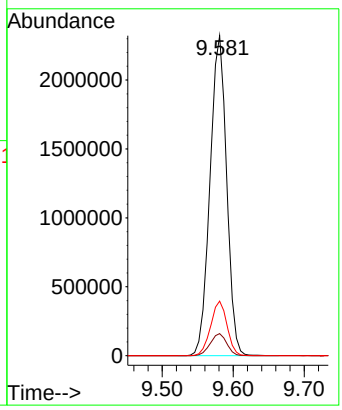




#25
Isophorone
Concen: 61.849 ng
RT: 9.581 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 82 Resp: 377289

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.0
138	17.1	12.9	19.3



Instrument :
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ClientSampleId :
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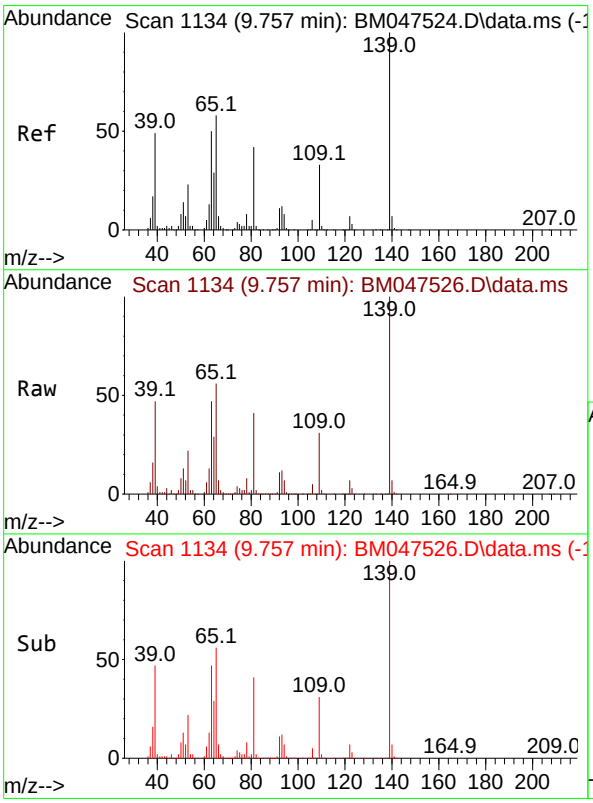
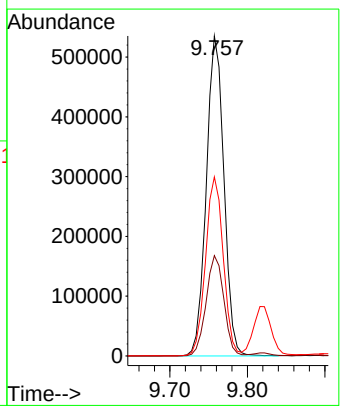
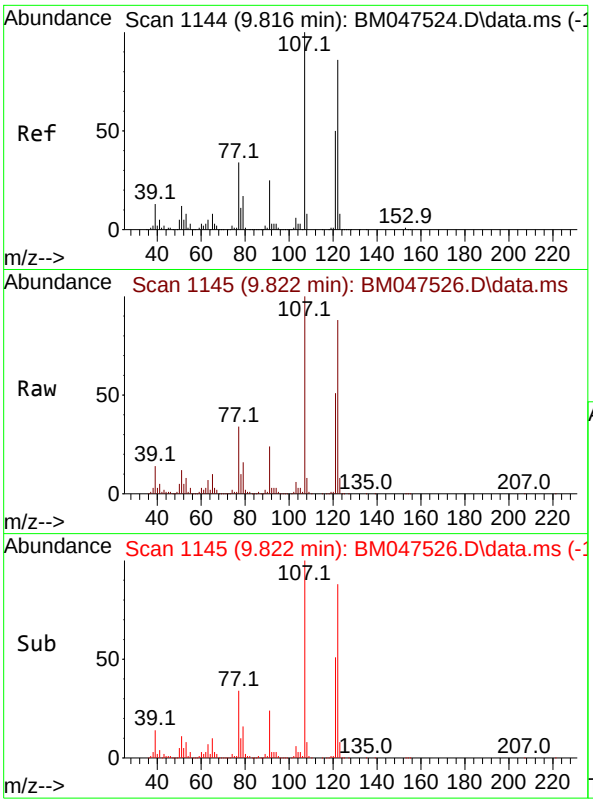


#26
2-Nitrophenol
Concen: 69.598 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:139 Resp: 845610

Ion	Ratio	Lower	Upper
139	100		
109	31.4	26.0	39.0
65	55.9	46.2	69.4

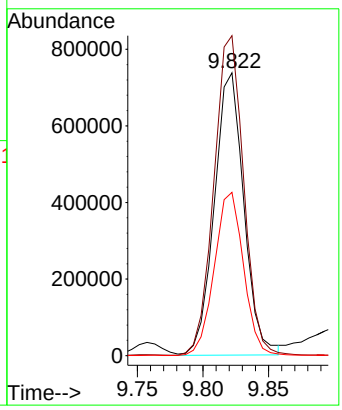




#27
2,4-Dimethylphenol
Concen: 62.697 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:122 Resp: 115475

Ion	Ratio	Lower	Upper
122	100		
107	113.1	92.4	138.6
121	57.7	46.2	69.4



Instrument :
BNA_M
ClientSampleId :
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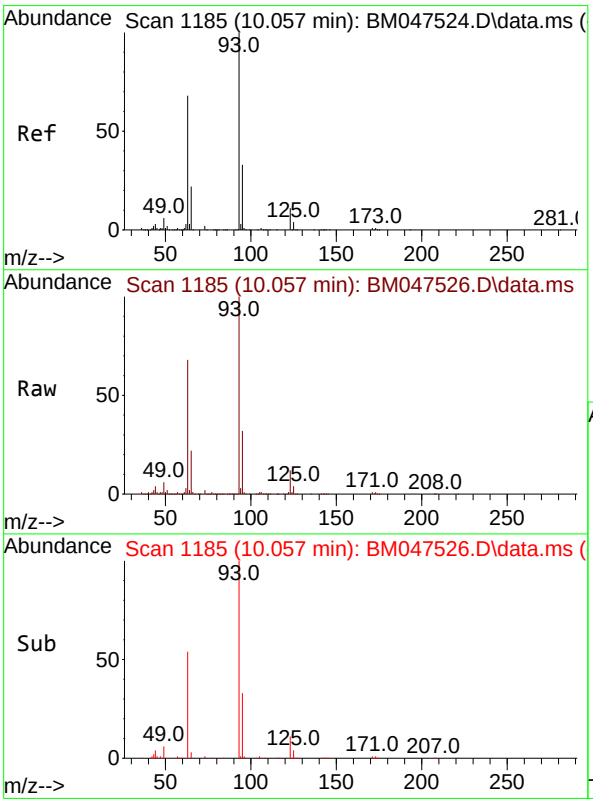
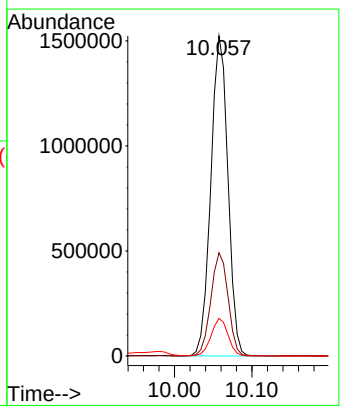
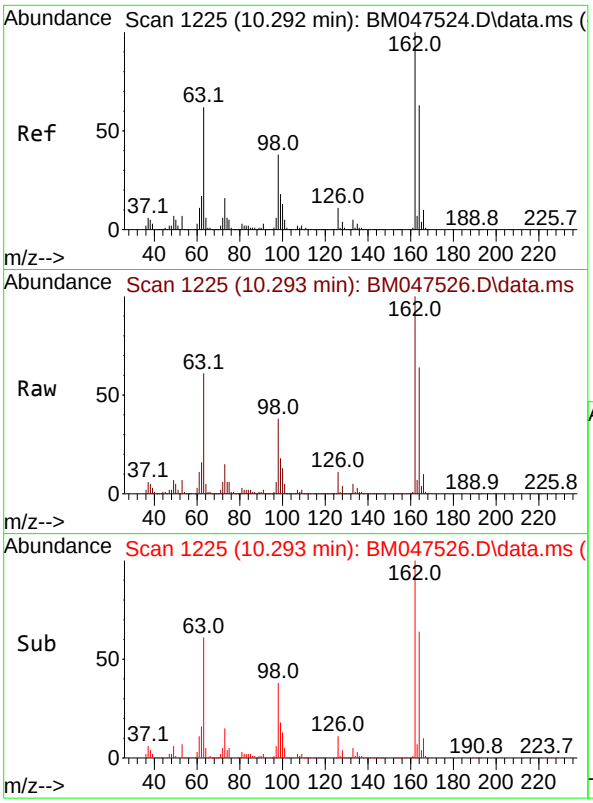


#28
bis(2-Chloroethoxy)methane
Concen: 60.814 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 93 Resp: 2330222

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	11.8	9.2	13.8

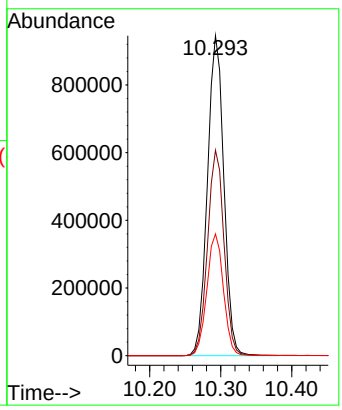




#29
2,4-Dichlorophenol
Concen: 65.020 ng
RT: 10.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:162 Resp: 152143

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.5	83.5
98	38.1	17.6	57.6



Instrument :
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ClientSampleId :
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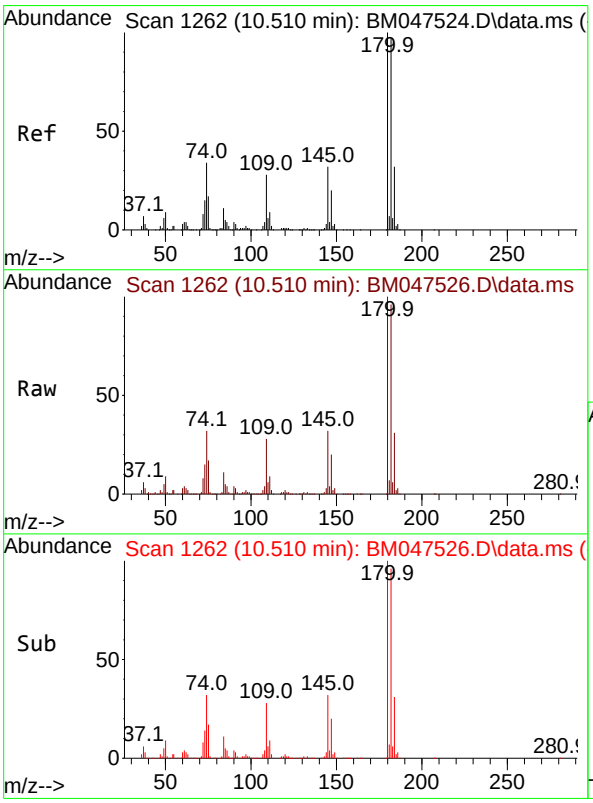
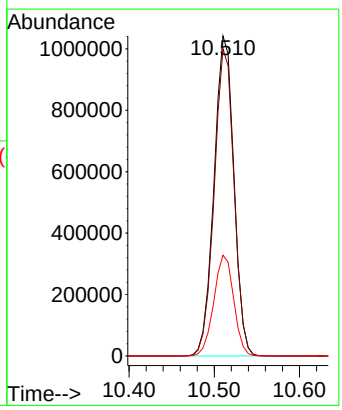
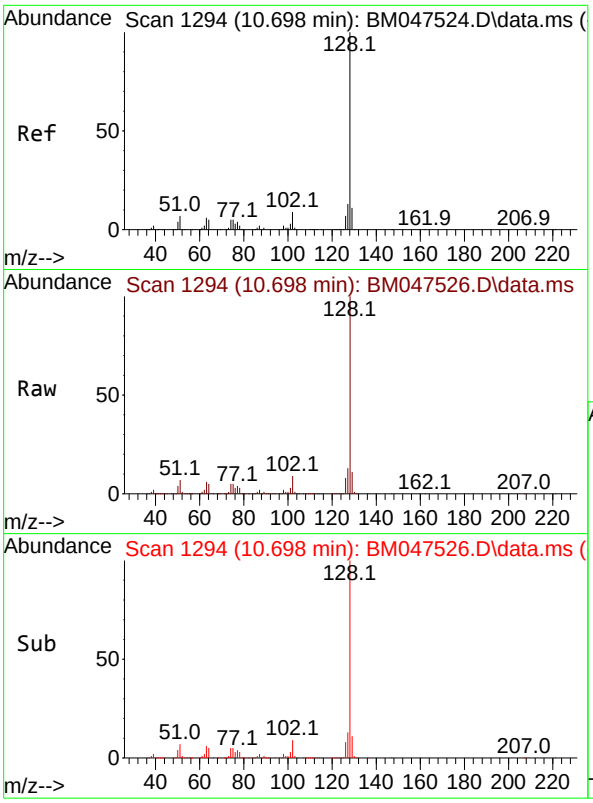


#30
1,2,4-Trichlorobenzene
Concen: 62.996 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:180 Resp: 1688520

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.6	116.4
145	31.5	25.4	38.0

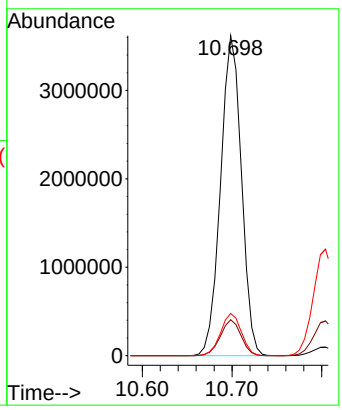




#31
Naphthalene
Concen: 62.302 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:128 Resp: 584303

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.2	10.5	15.7



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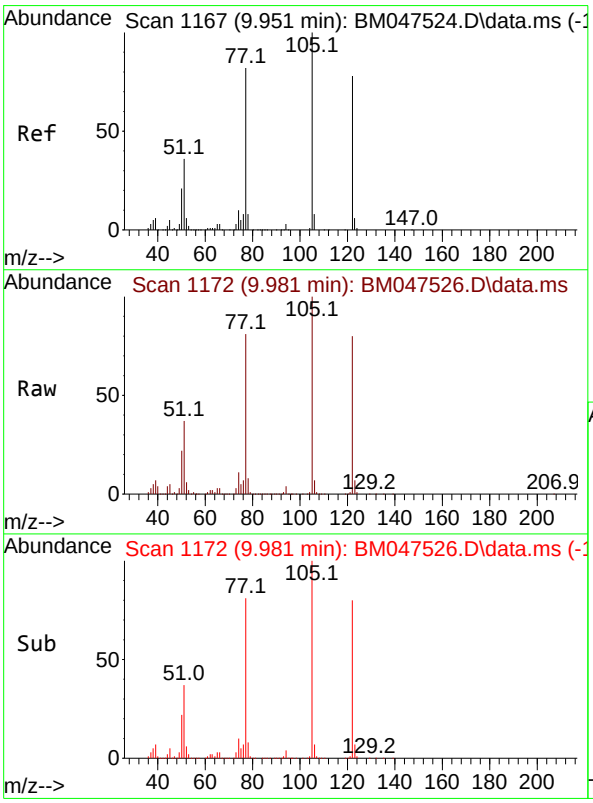
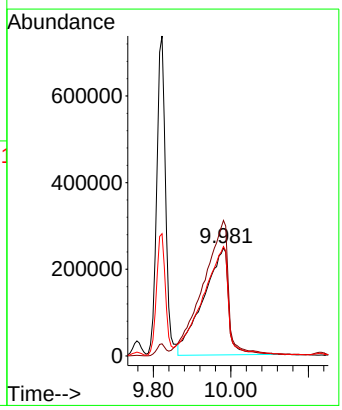
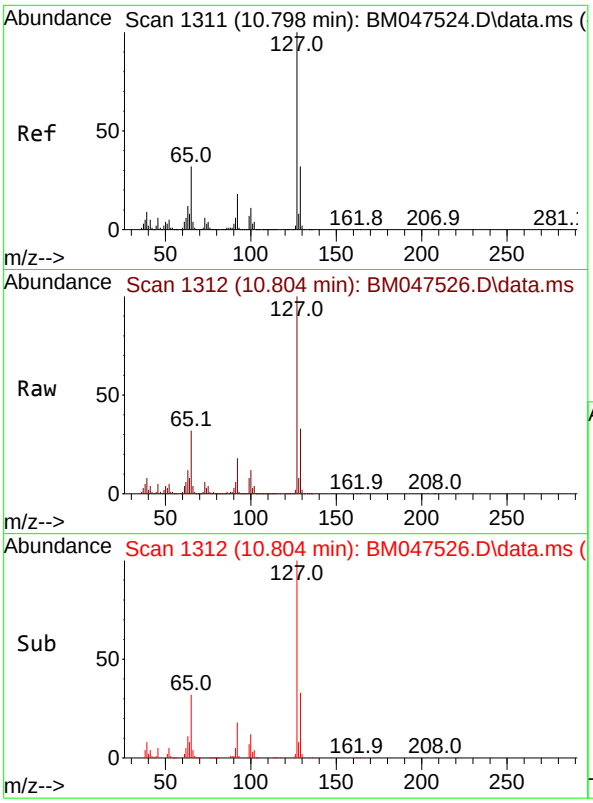


#32
Benzoic acid
Concen: 59.624 ng
RT: 9.981 min Scan# 1172
Delta R.T. 0.030 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:122 Resp: 1116767

Ion	Ratio	Lower	Upper
122	100		
105	125.5	104.7	144.7
77	101.3	83.4	123.4

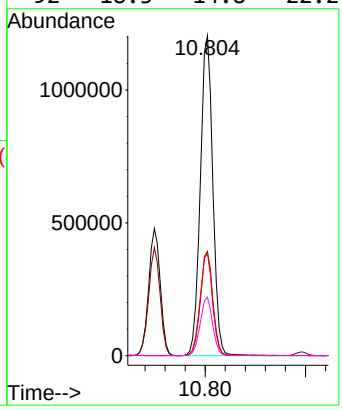




#33
4-Chloroaniline
Concen: 61.507 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:127 Resp: 208564

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.0
65	31.9	25.5	38.3
92	18.3	14.8	22.2



Instrument :
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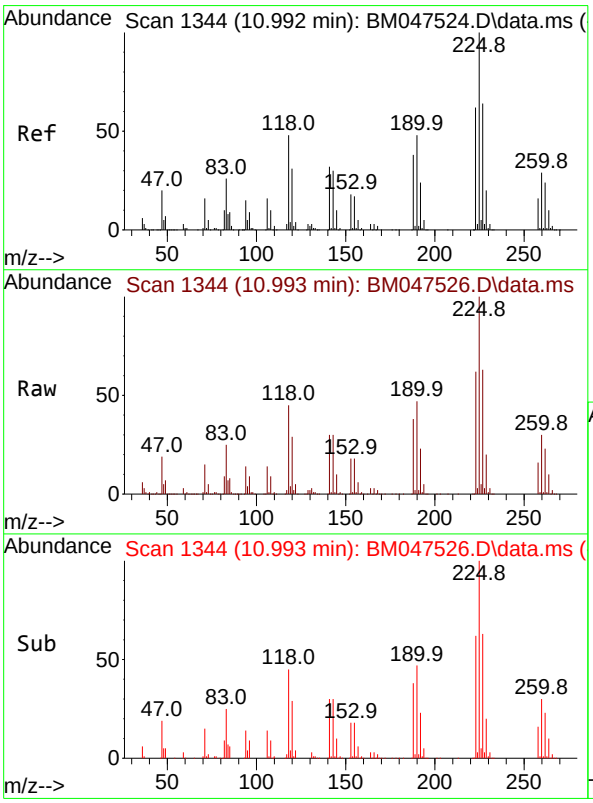
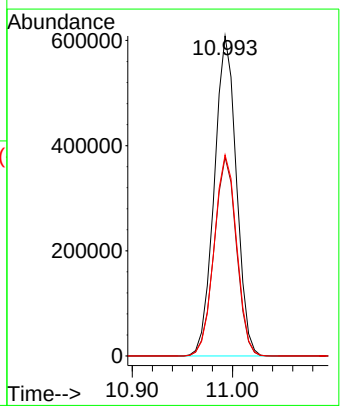
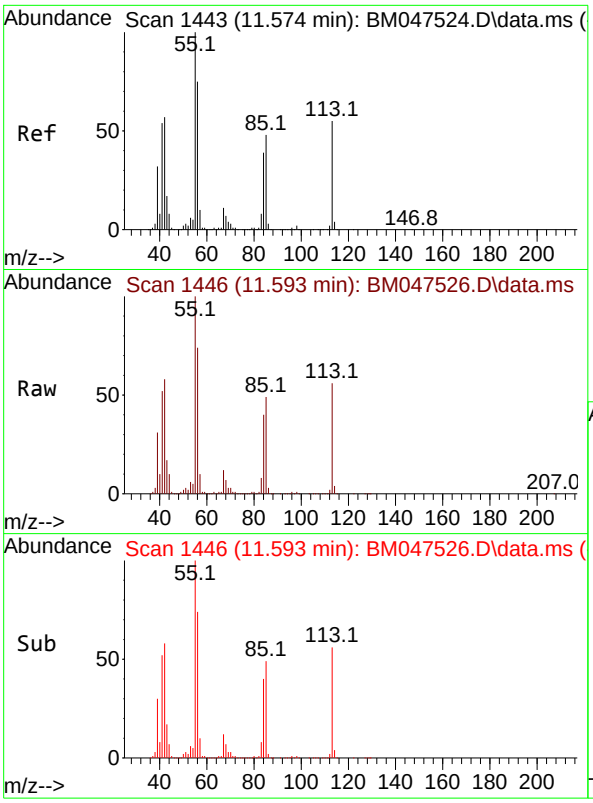


#34
Hexachlorobutadiene
Concen: 62.620 ng
RT: 10.993 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:225 Resp: 929673

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.8	74.6
227	62.8	51.0	76.4

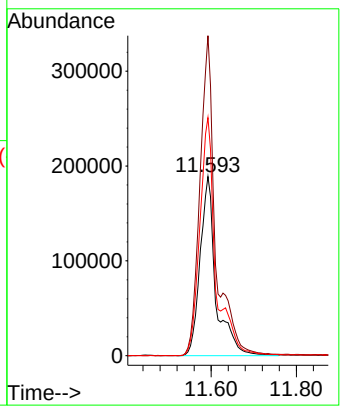




#35
Caprolactam
Concen: 63.293 ng
RT: 11.593 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:113 Resp: 48784

Ion	Ratio	Lower	Upper
113	100		
55	178.6	162.5	202.5
56	132.8	116.5	156.5



Instrument :
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ClientSampleId :
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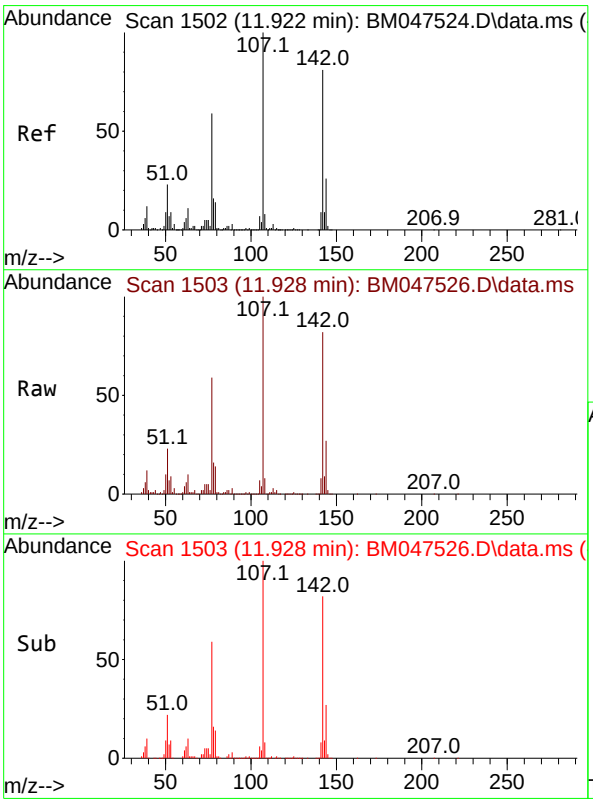
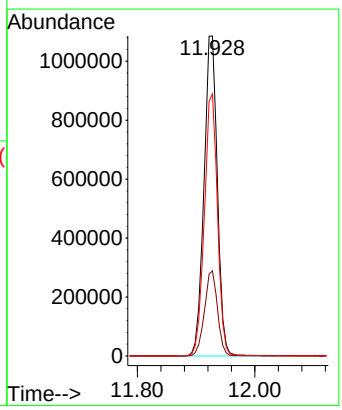
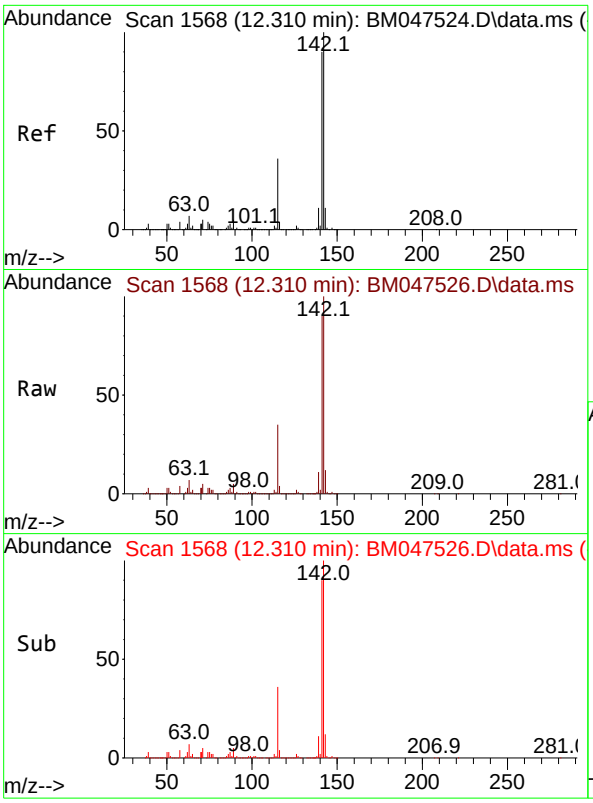


#36
4-Chloro-3-methylphenol
Concen: 63.989 ng
RT: 11.928 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:107 Resp: 1715963

Ion	Ratio	Lower	Upper
107	100		
144	26.6	20.5	30.7
142	81.9	65.0	97.4

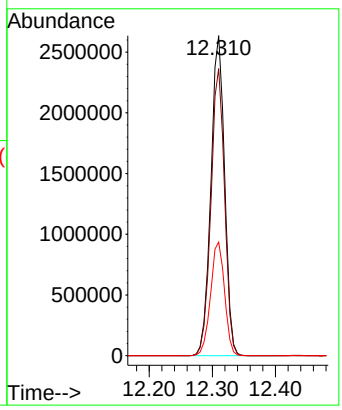




#37
2-Methylnaphthalene
Concen: 63.530 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:142 Resp: 396556

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.2	108.4
115	35.5	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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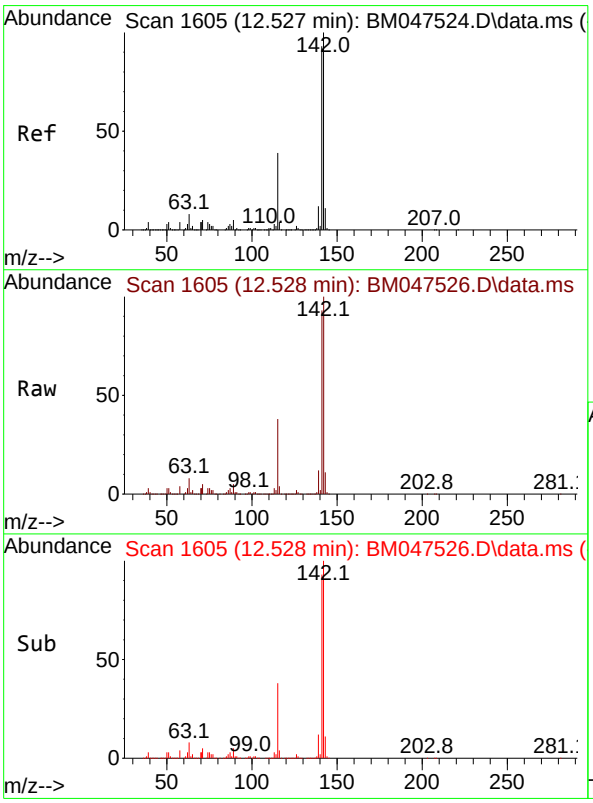
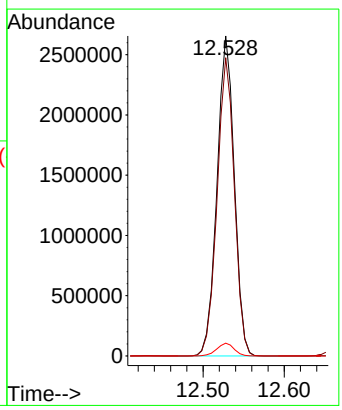
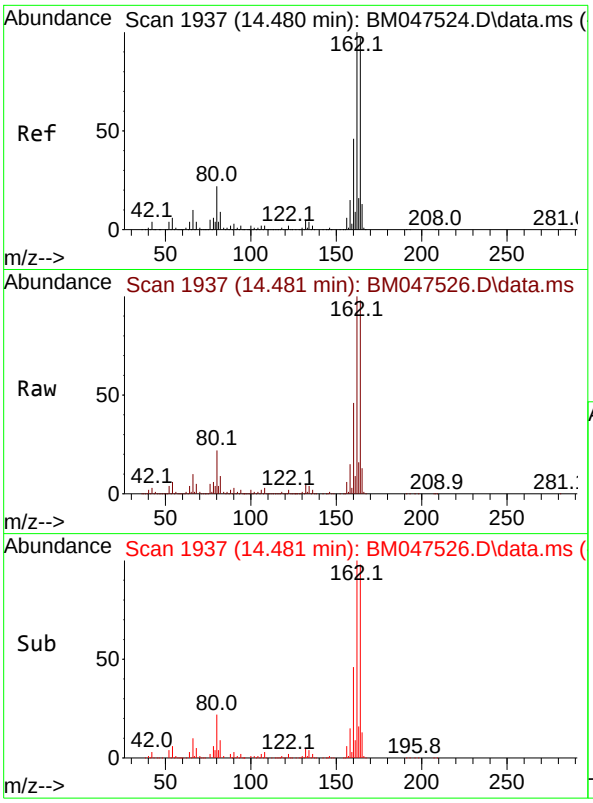


#38
1-Methylnaphthalene
Concen: 63.370 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:142 Resp: 3930943

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.7	112.1
116	4.0	3.2	4.8

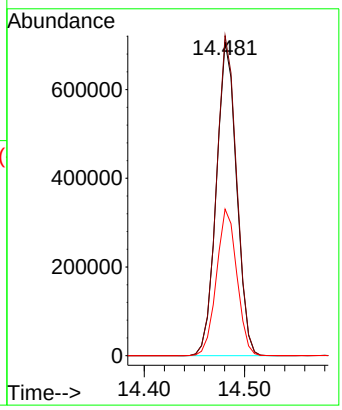




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:164 Resp: 98913

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.2
160	46.8	38.2	57.2



Instrument :
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ClientSampleId :
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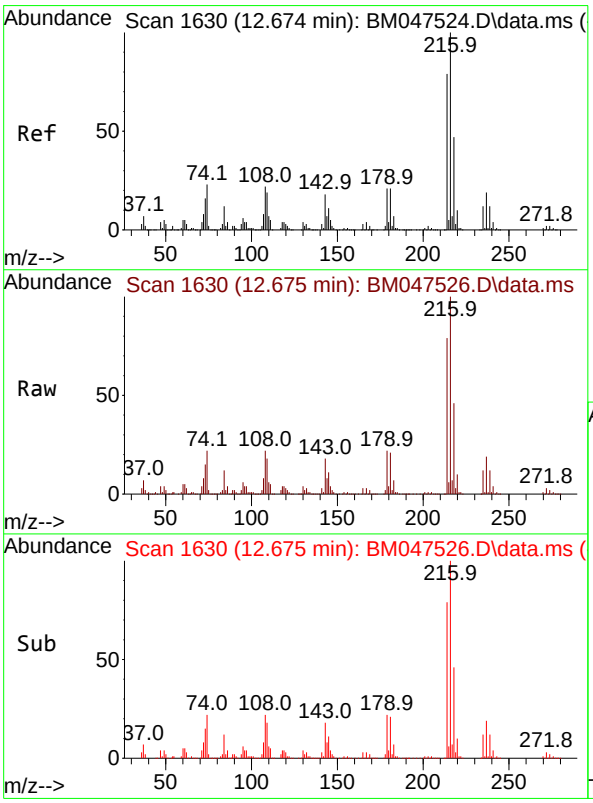
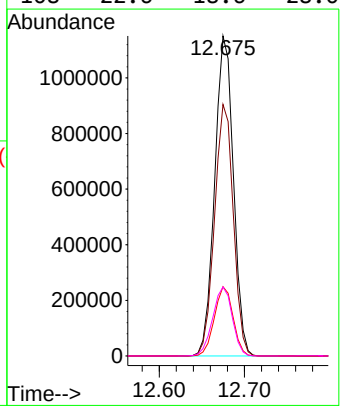
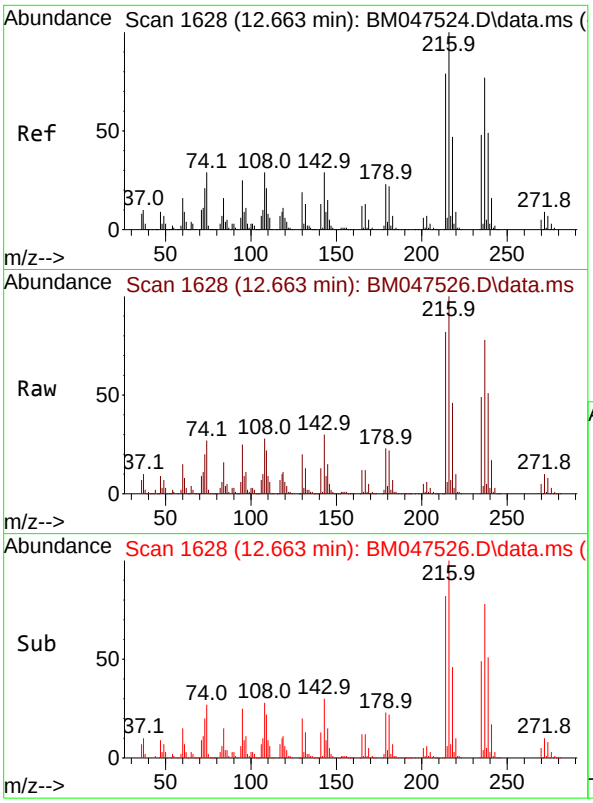


#40
1,2,4,5-Tetrachlorobenzene
Concen: 65.522 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:216 Resp: 1753724

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	21.7	17.5	26.3
108	22.6	18.6	28.0

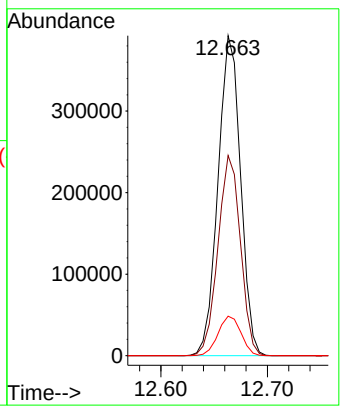




#41
Hexachlorocyclopentadiene
Concen: 65.800 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:237 Resp: 57573

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.0	82.0
272	12.4	0.0	31.5



Instrument :
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ClientSampleId :
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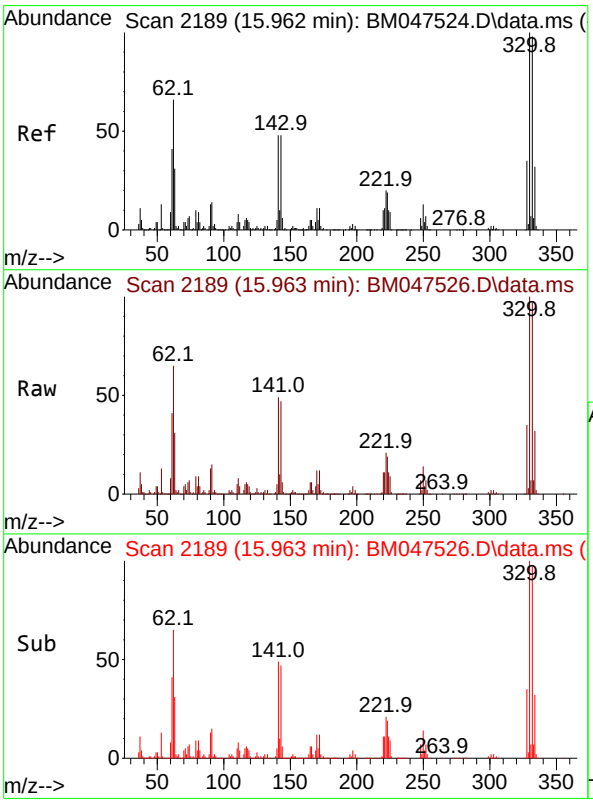
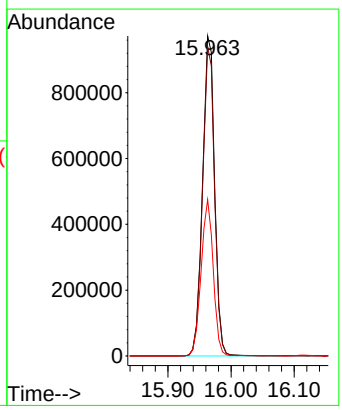
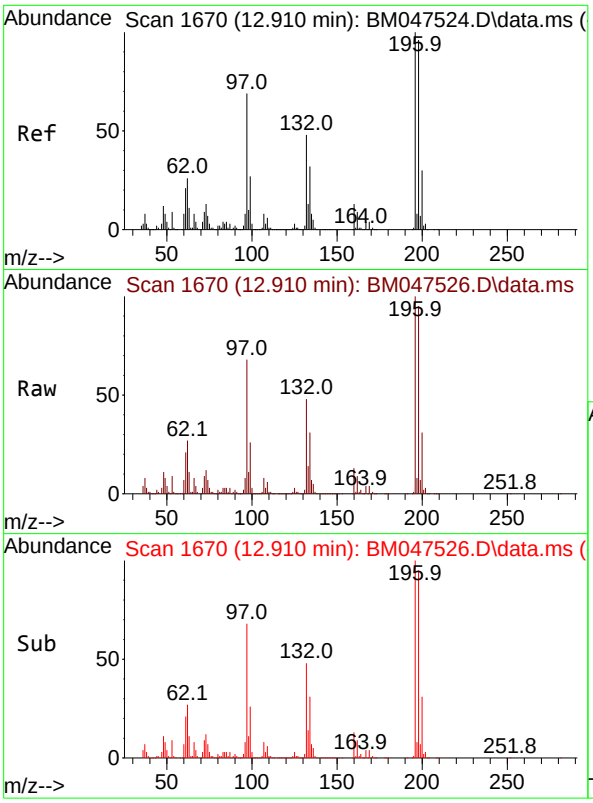


#42
2,4,6-Tribromophenol
Concen: 135.264 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:330 Resp: 1293238

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	49.0	42.2	63.2

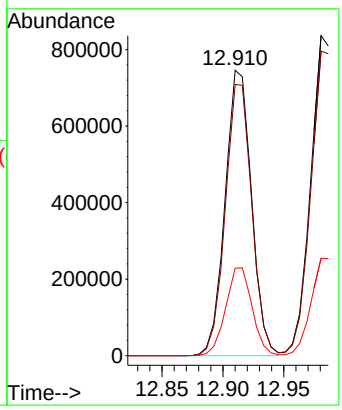




#43
2,4,6-Trichlorophenol
Concen: 67.261 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:196 Resp: 112786

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.9	115.3
200	30.7	24.3	36.5



Instrument :
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ClientSampleId :
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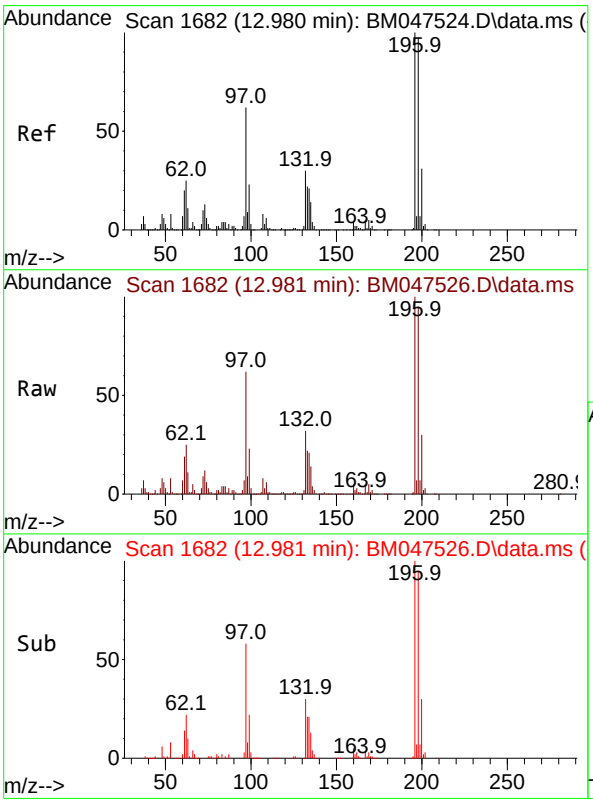
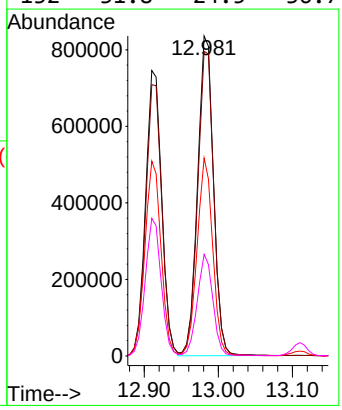
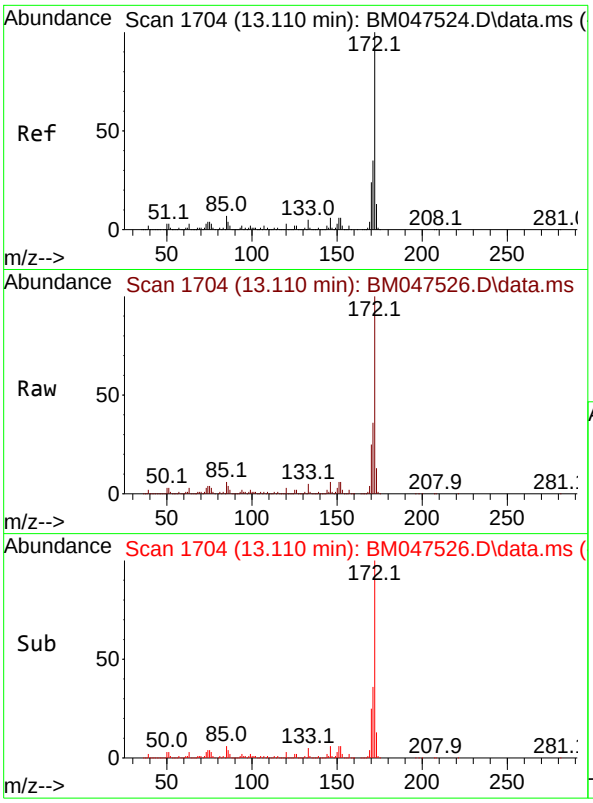


#44
2,4,5-Trichlorophenol
Concen: 65.878 ng
RT: 12.981 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:196 Resp: 1247714

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.4	116.2
97	61.8	49.8	74.8
132	31.8	24.5	36.7

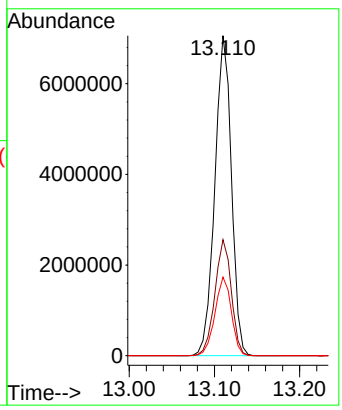




#45
2-Fluorobiphenyl
Concen: 132.892 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:172 Resp: 954232

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.2	42.2
170	24.6	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
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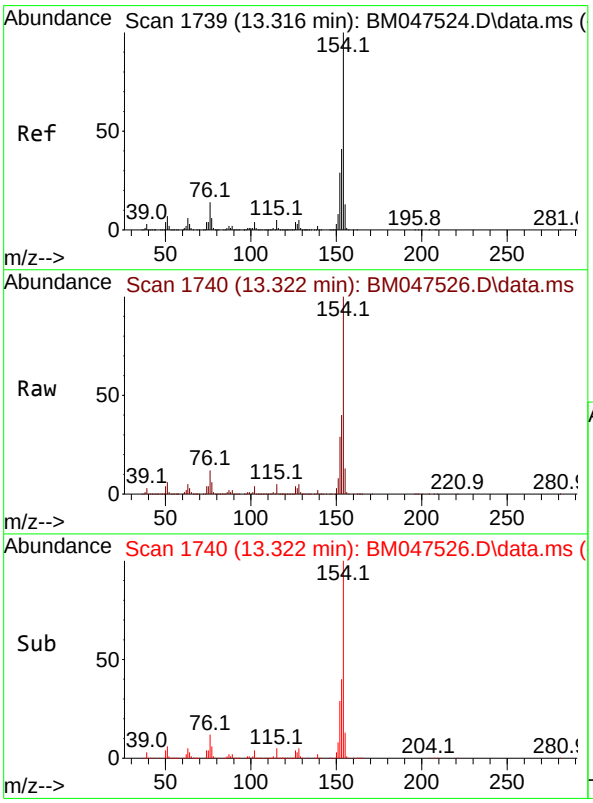
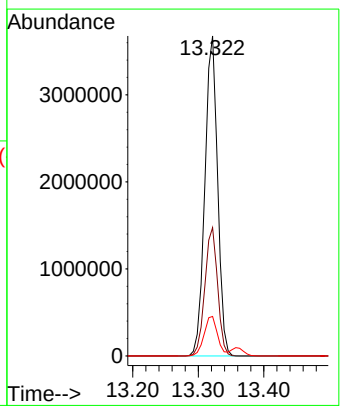
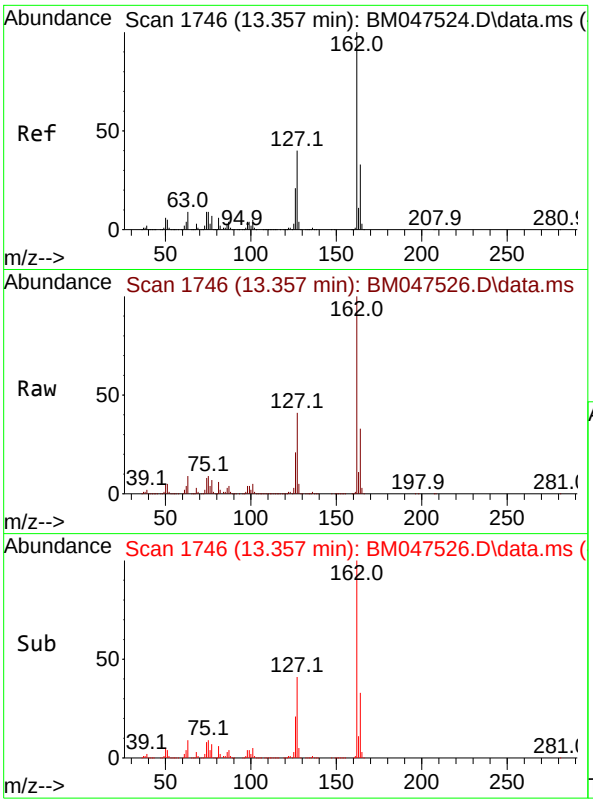


#46
1,1'-Biphenyl
Concen: 64.482 ng
RT: 13.322 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:154 Resp: 4962549

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.6	60.6
76	12.3	0.0	33.9

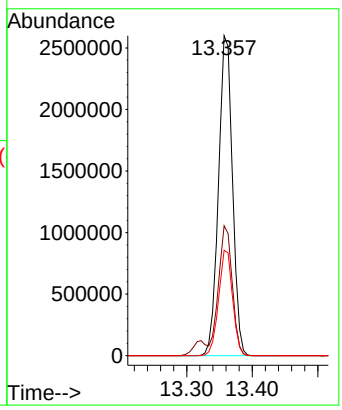




#47
2-Chloronaphthalene
Concen: 64.100 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:162 Resp: 383045

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.4
164	33.0	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
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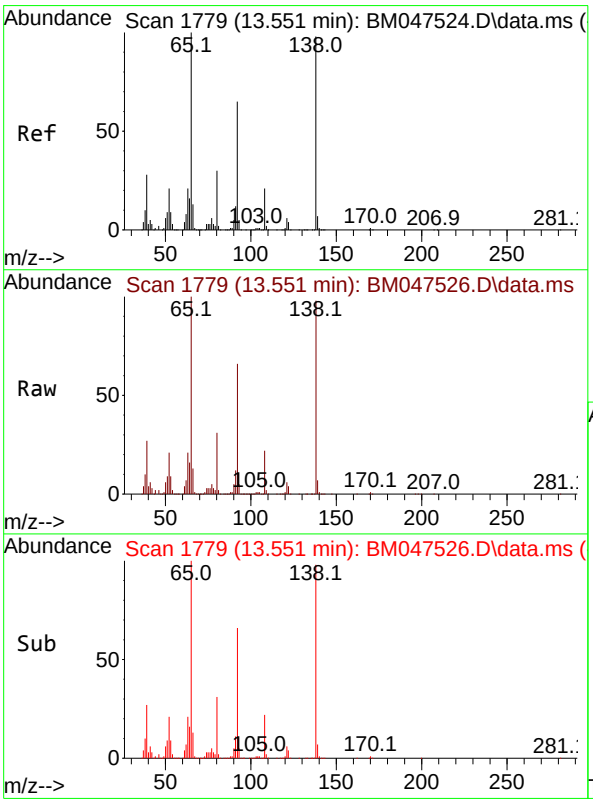
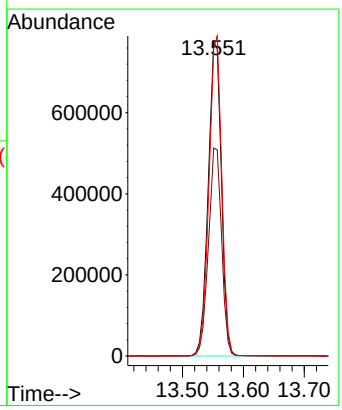
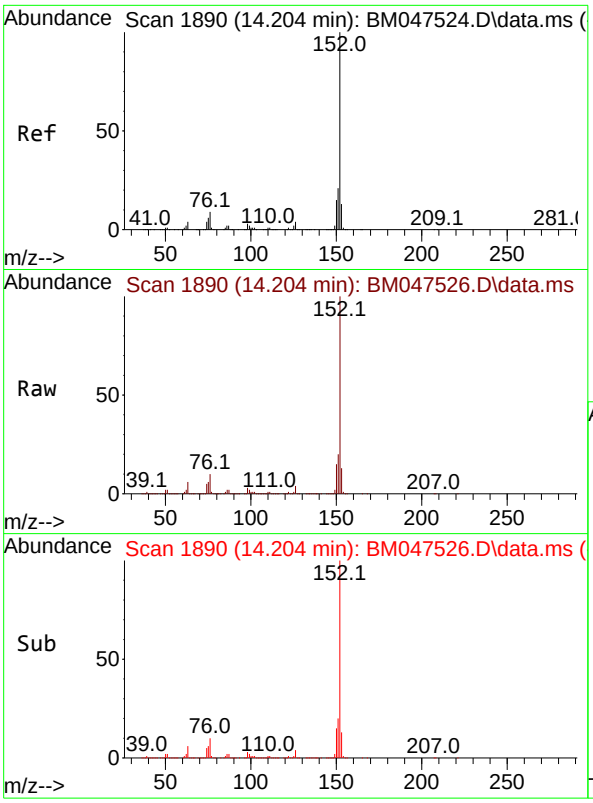


#48
2-Nitroaniline
Concen: 66.125 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 65 Resp: 1160615

Ion	Ratio	Lower	Upper
65	100		
92	66.3	51.9	77.9
138	98.1	78.5	117.7

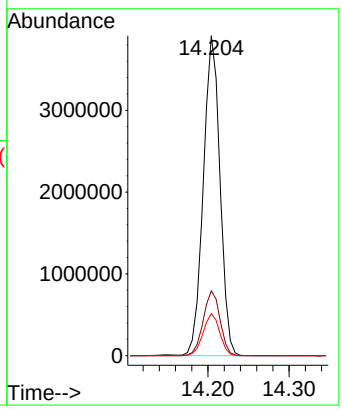




#49
Acenaphthylene
Concen: 64.401 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:152 Resp: 555357

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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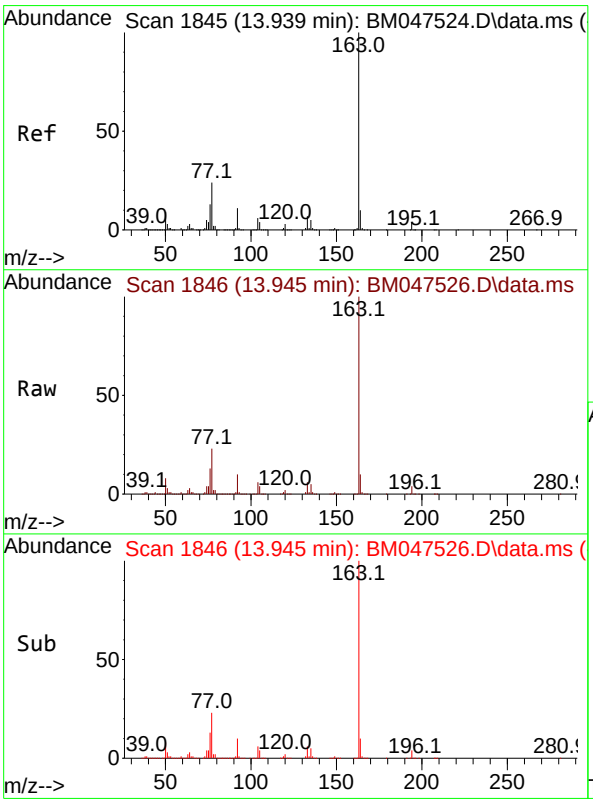
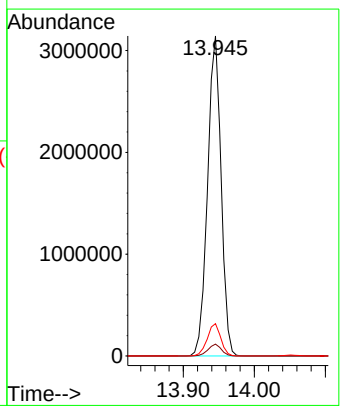
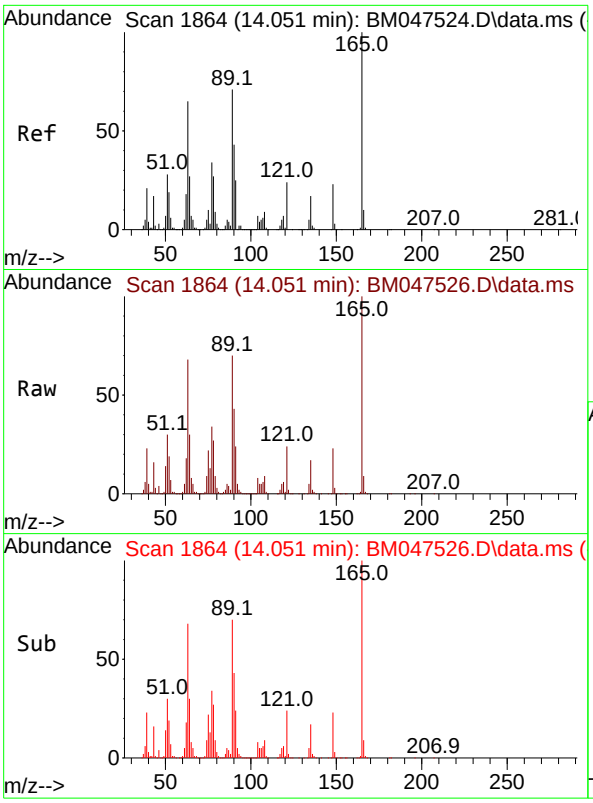


#50
Dimethylphthalate
Concen: 61.743 ng
RT: 13.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:163 Resp: 4162540

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 64.198 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:165 Resp: 91367

Ion	Ratio	Lower	Upper
165	100		
63	67.6	54.2	81.2
89	69.6	56.4	84.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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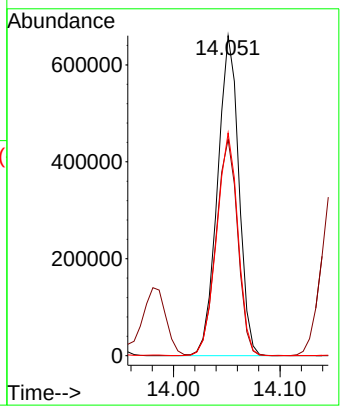
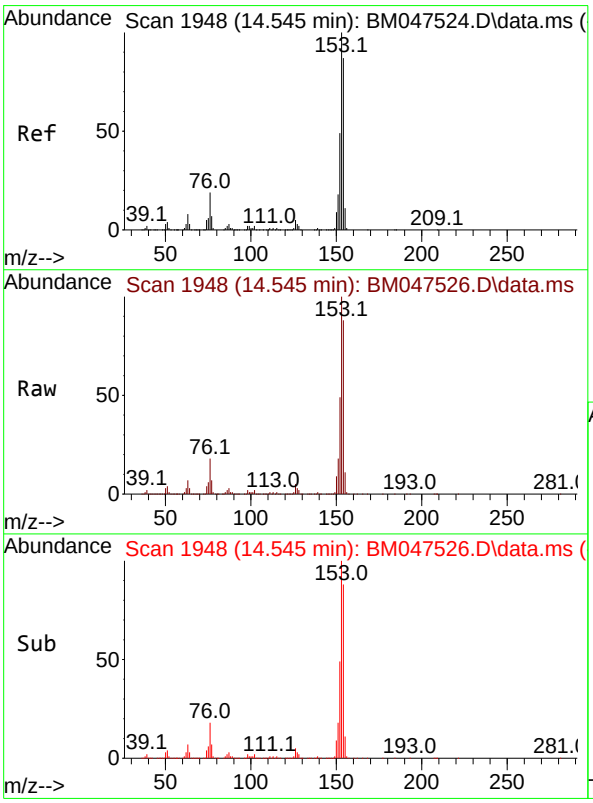
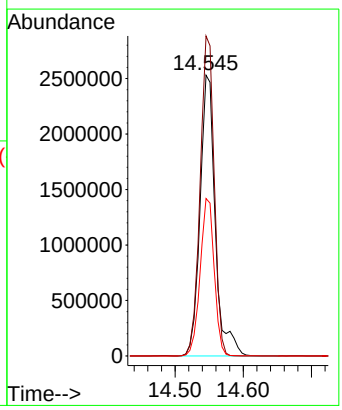


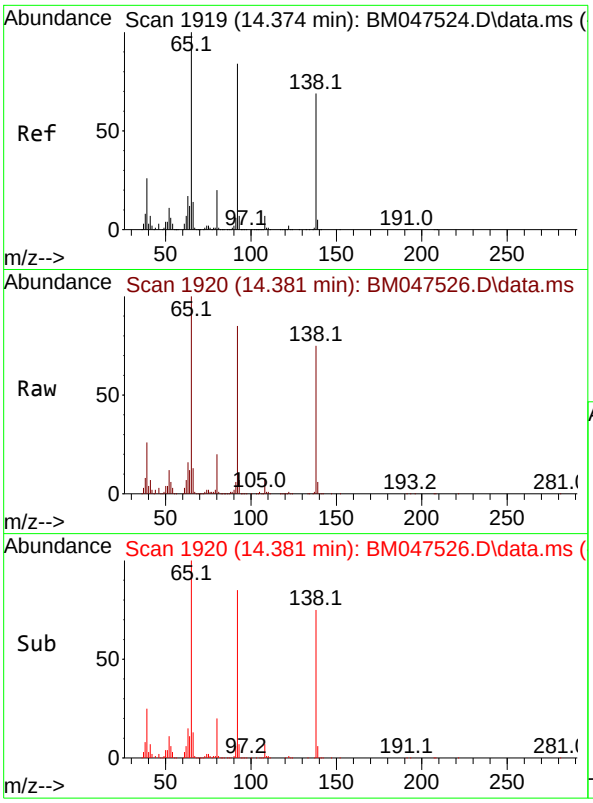


#52
Acenaphthene
Concen: 64.922 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:154 Resp: 3922692

Ion	Ratio	Lower	Upper
154	100		
153	114.0	92.2	138.2
152	56.1	45.4	68.0





#53
3-Nitroaniline
Concen: 64.587 ng
RT: 14.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:138 Resp: 102170

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.0	12.0
92	113.9	97.4	146.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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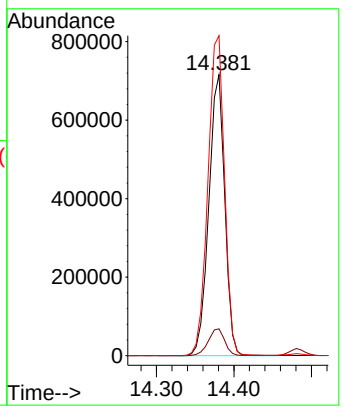
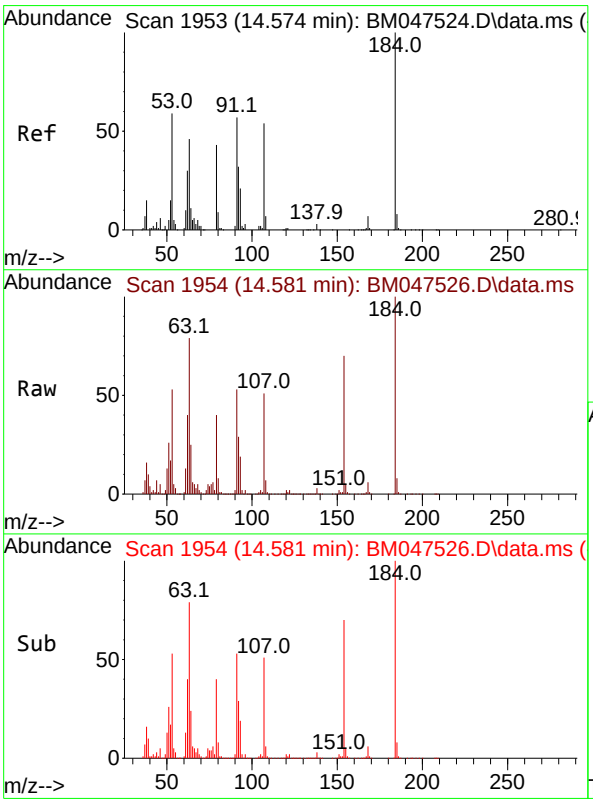
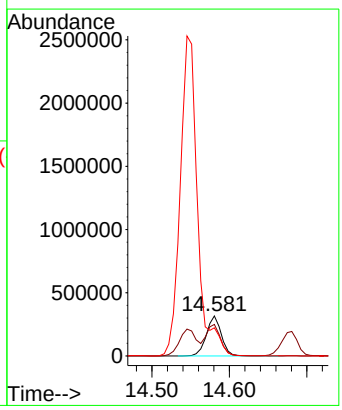


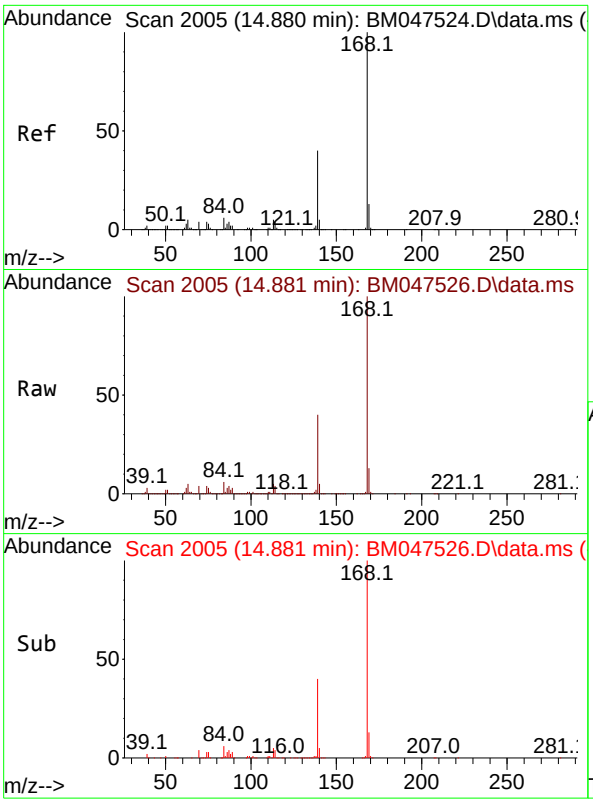


#54
2,4-Dinitrophenol
Concen: 59.540 ng
RT: 14.581 min Scan# 1954
Delta R.T. 0.007 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:184 Resp: 423951

Ion	Ratio	Lower	Upper
184	100		
63	78.8	69.4	104.0
154	70.4	60.4	90.6

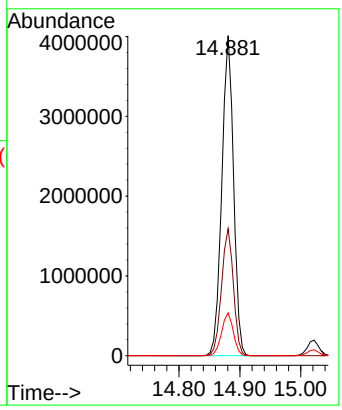




#55
Dibenzofuran
Concen: 63.175 ng
RT: 14.881 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:168 Resp: 536398

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.9	47.9
169	13.4	10.5	15.7



Instrument :
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ClientSampleId :
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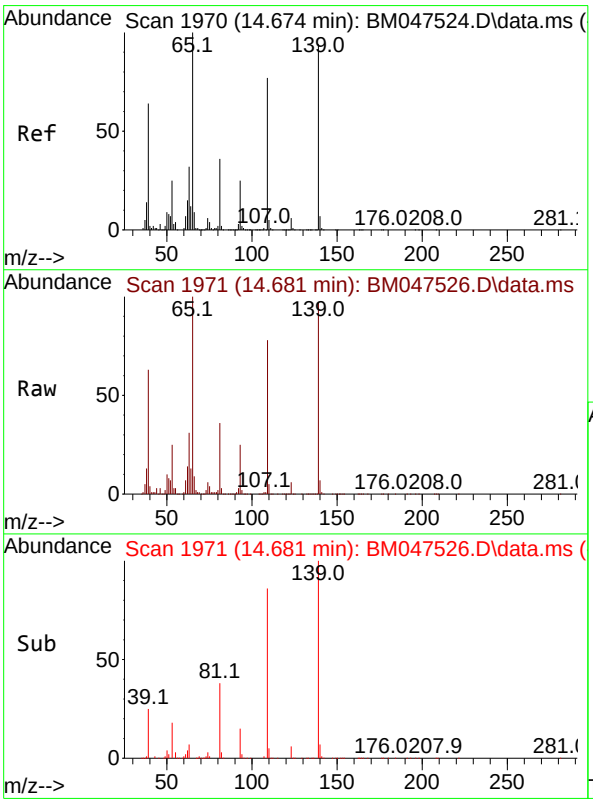
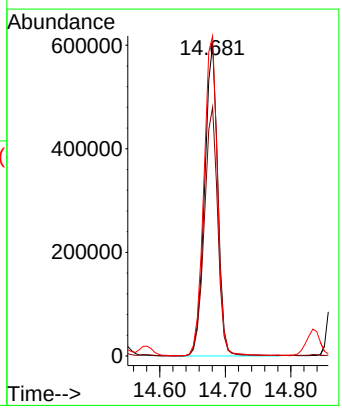
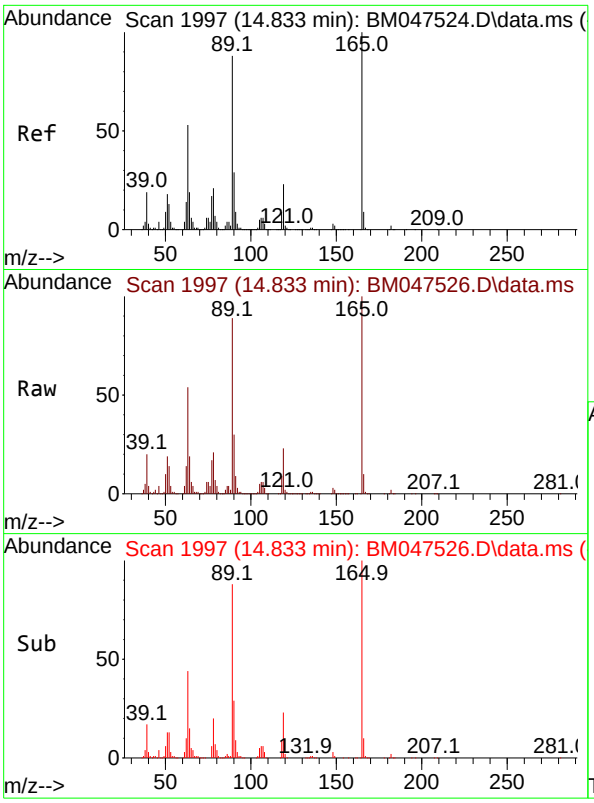


#56
4-Nitrophenol
Concen: 65.100 ng
RT: 14.681 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:139 Resp: 847413

Ion	Ratio	Lower	Upper
139	100		
109	80.0	62.0	102.0
65	102.8	87.0	127.0

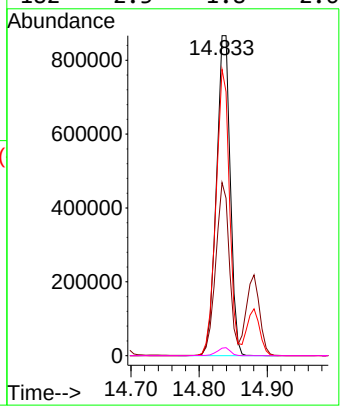




#57
2,4-Dinitrotoluene
Concen: 64.518 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:165 Resp: 122462

Ion	Ratio	Lower	Upper
165	100		
63	54.1	42.4	63.6
89	89.5	70.5	105.7
182	2.3	1.8	2.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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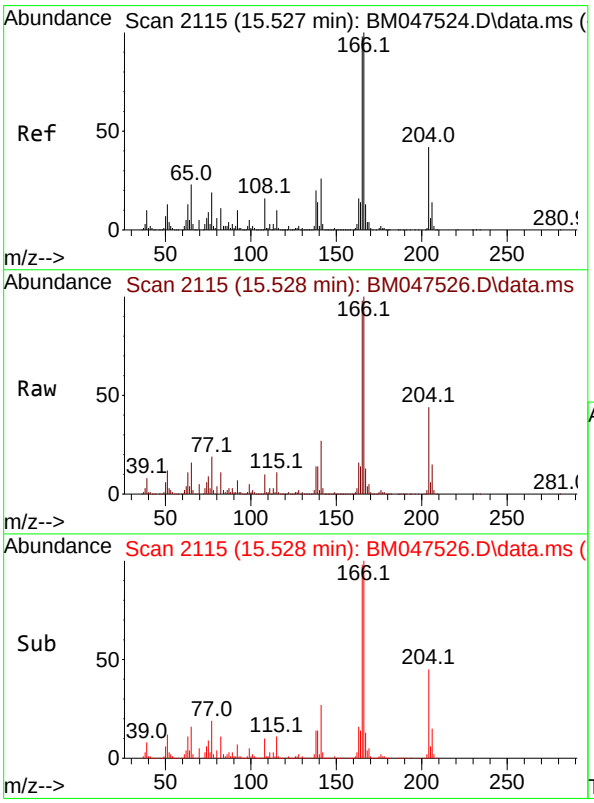
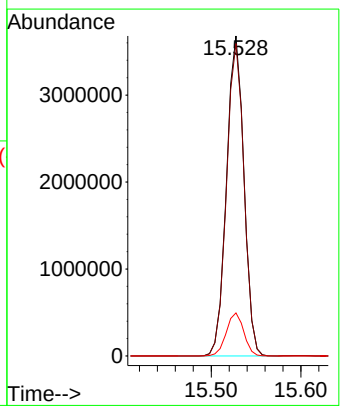
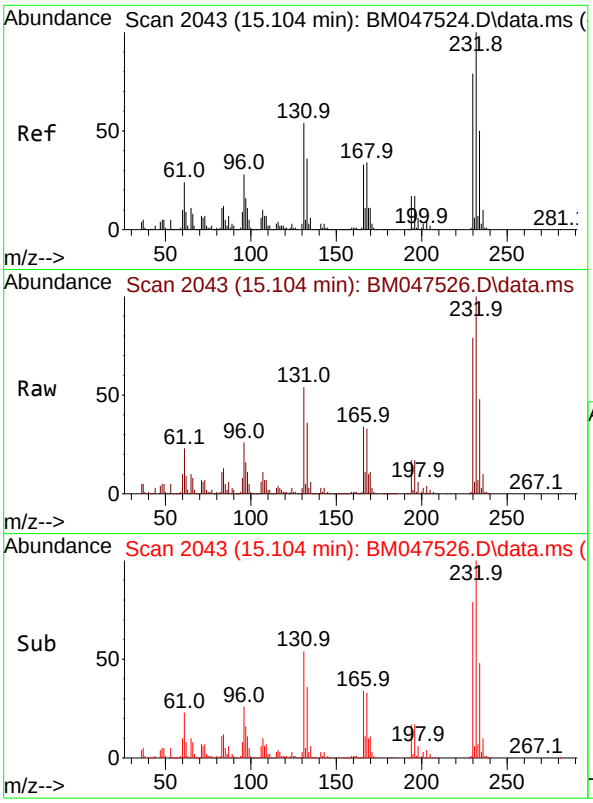


#58
Fluorene
Concen: 64.791 ng
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:166 Resp: 4952783

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.6	117.8
167	13.4	10.7	16.1

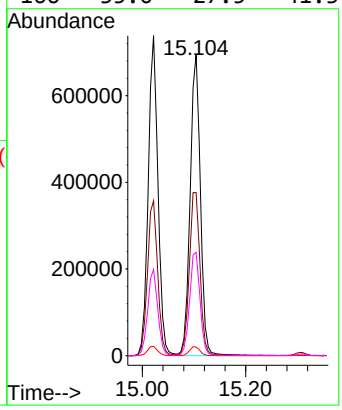




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.671 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:232 Resp: 95498

Ion	Ratio	Lower	Upper
232	100		
131	56.5	47.0	70.4
130	3.1	2.6	3.8
166	35.0	27.5	41.3



Instrument :
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ClientSampleId :
SSTDICC060

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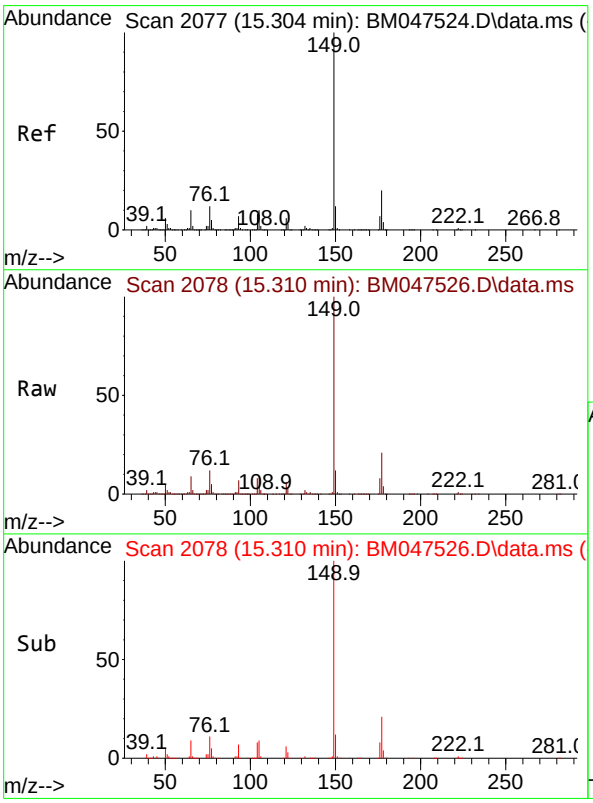
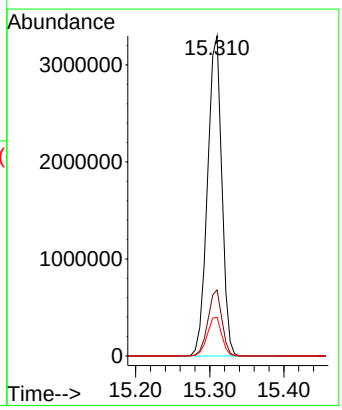
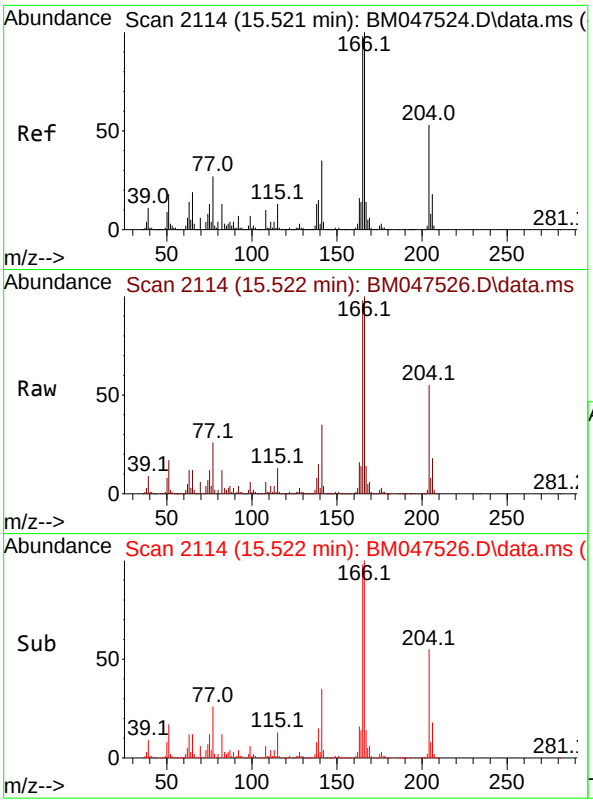


#60
Diethylphthalate
Concen: 61.427 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 4407420

Ion	Ratio	Lower	Upper
149	100		
177	20.6	15.8	23.8
150	12.1	9.7	14.5

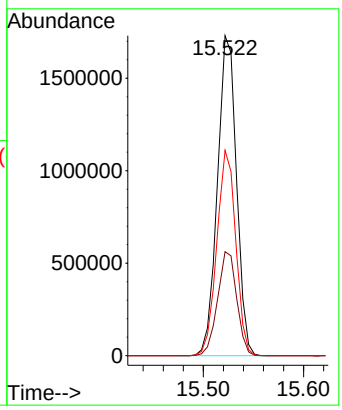




#61
4-Chlorophenyl-phenylether
Concen: 65.236 ng
RT: 15.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:204 Resp: 228019

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.5	39.7
141	64.1	52.1	78.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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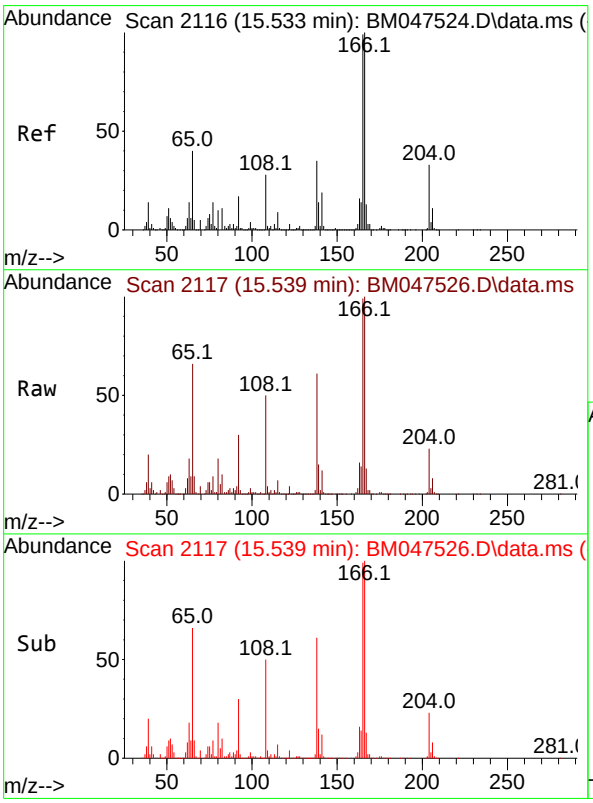
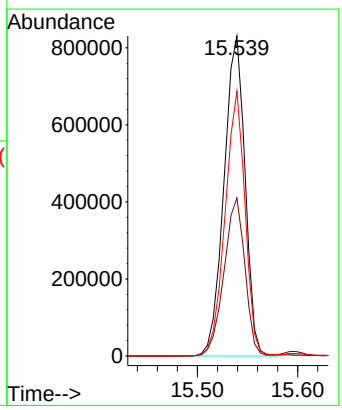
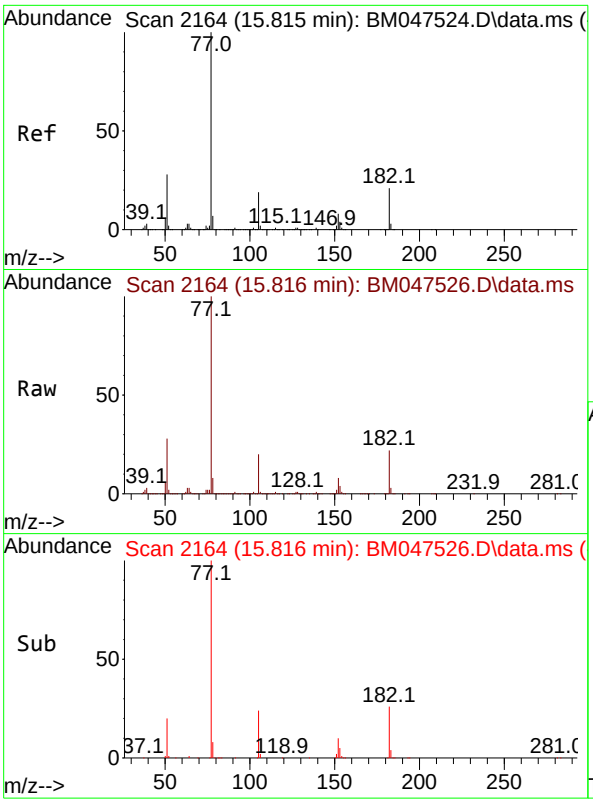


#62
4-Nitroaniline
Concen: 65.036 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:138 Resp: 1209326

Ion	Ratio	Lower	Upper
138	100		
92	49.4	30.0	70.0
108	82.7	61.7	101.7

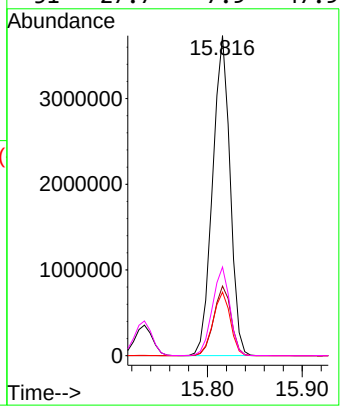




#63
Azobenzene
Concen: 60.394 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 77 Resp: 477137

Ion	Ratio	Lower	Upper
77	100		
182	21.7	1.2	41.2
105	19.8	0.0	39.4
51	27.7	7.9	47.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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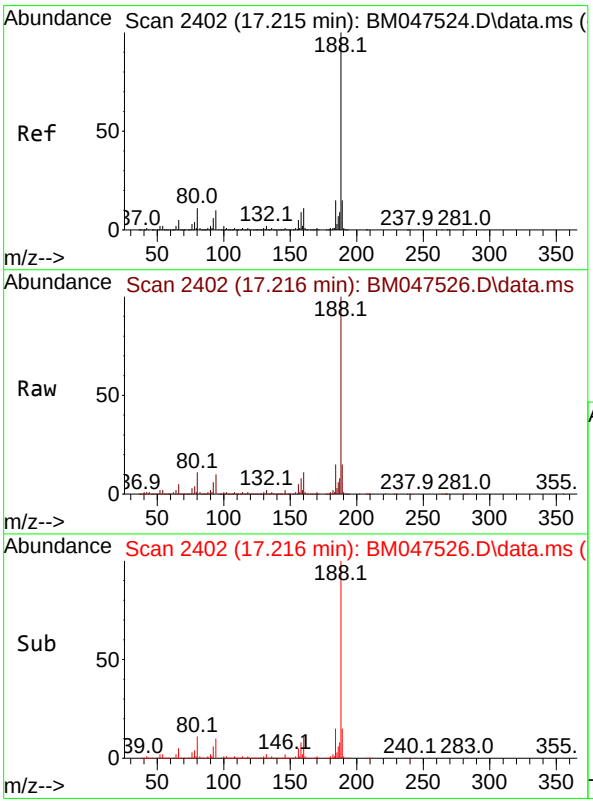
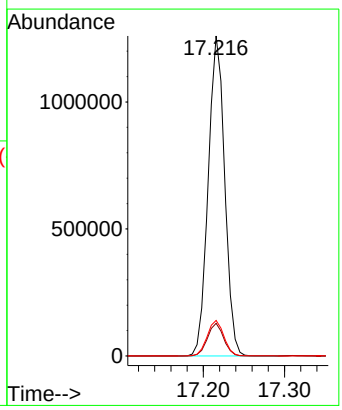
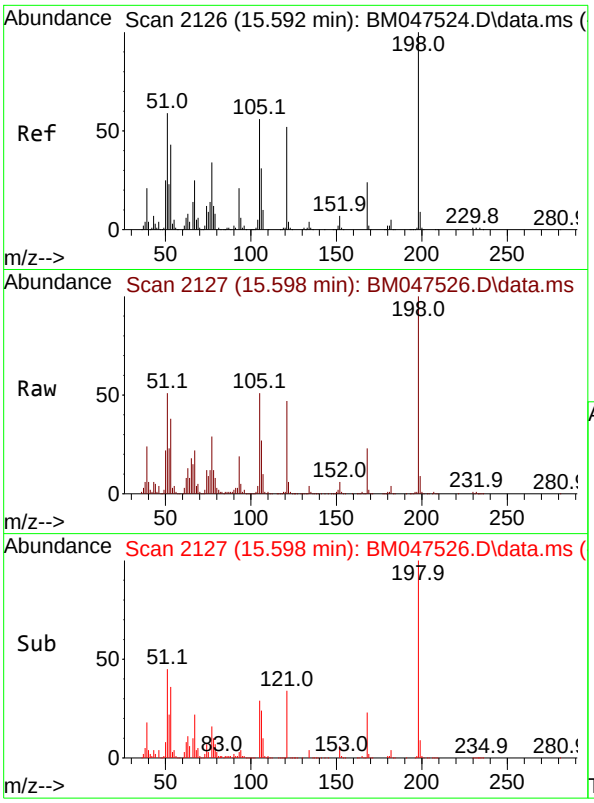


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:188 Resp: 1777314

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	11.1	9.1	13.7

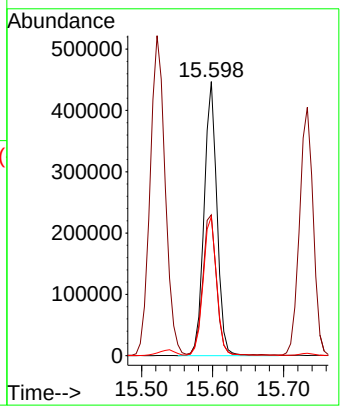




#65
4,6-Dinitro-2-methylphenol
Concen: 60.152 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:198 Resp: 56386

Ion	Ratio	Lower	Upper
198	100		
51	51.4	41.5	81.5
105	50.7	36.4	76.4



Instrument :
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ClientSampleId :
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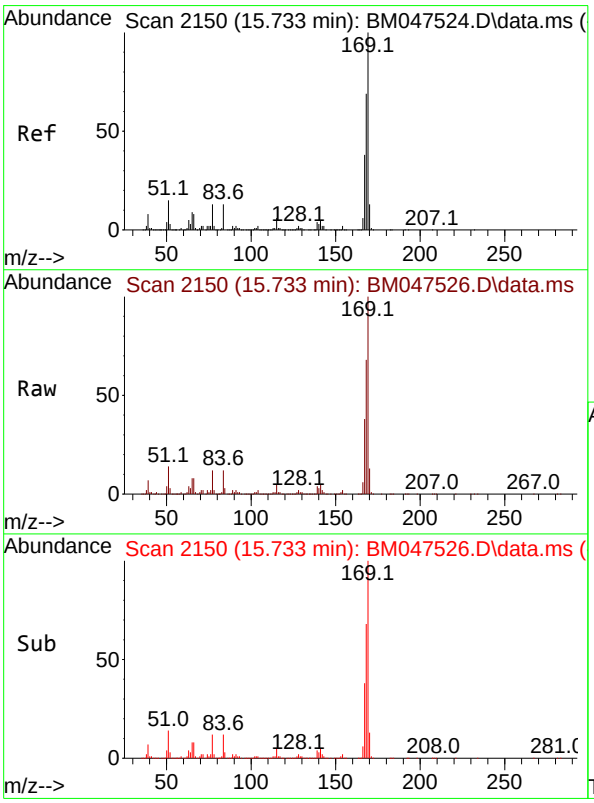
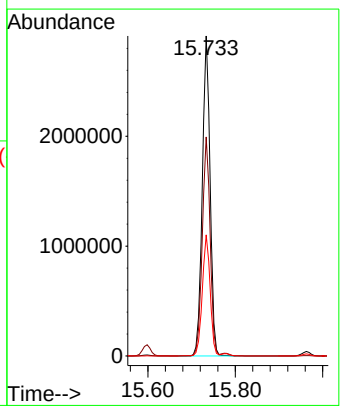
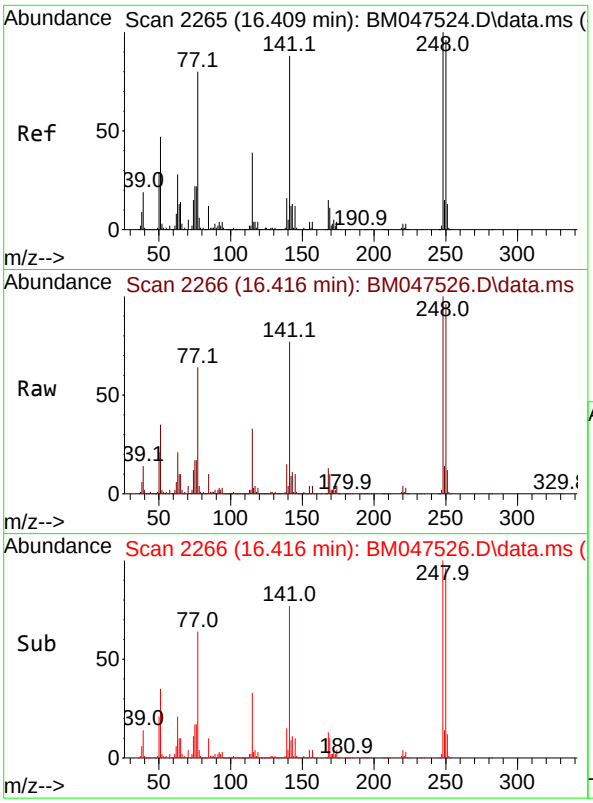


#66
n-Nitrosodiphenylamine
Concen: 66.434 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:169 Resp: 3612114

Ion	Ratio	Lower	Upper
169	100		
168	68.5	55.3	82.9
167	37.8	30.5	45.7





#67
4-Bromophenyl-phenylether
Concen: 67.430 ng
RT: 16.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:248 Resp: 116448

Ion	Ratio	Lower	Upper
248	100		
250	96.0	76.9	115.3
141	77.5	70.8	106.2

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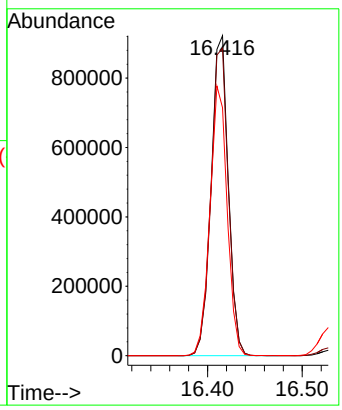
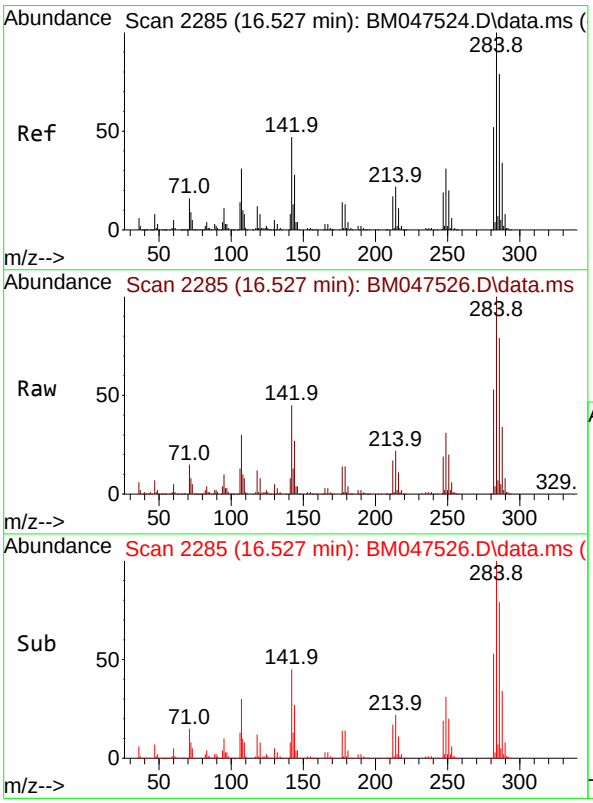
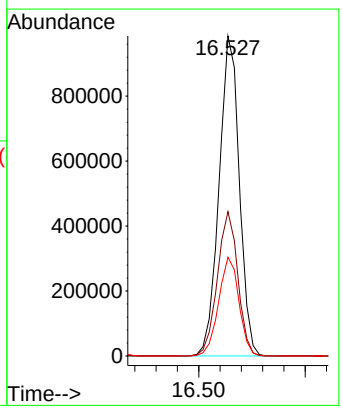


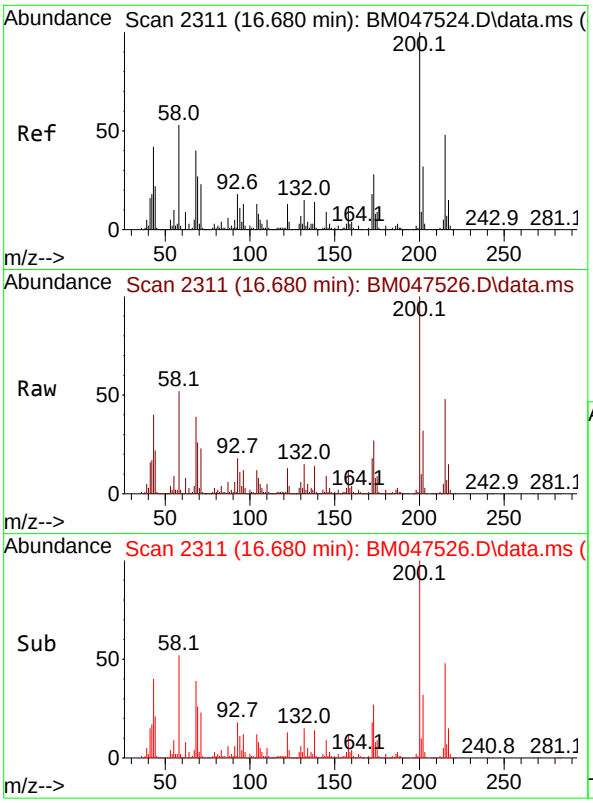


#68
Hexachlorobenzene
Concen: 66.357 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:284 Resp: 1298214

Ion	Ratio	Lower	Upper
284	100		
142	45.1	37.3	55.9
249	30.9	24.5	36.7

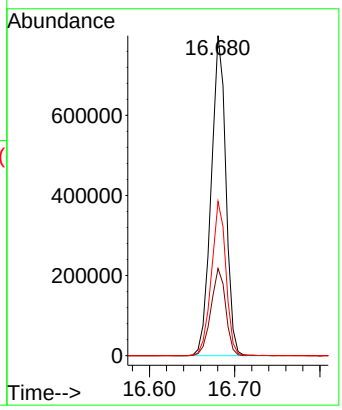




#69
Atrazine
Concen: 63.518 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:200 Resp: 95454

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.7	47.7
215	48.2	27.9	67.9



Instrument :
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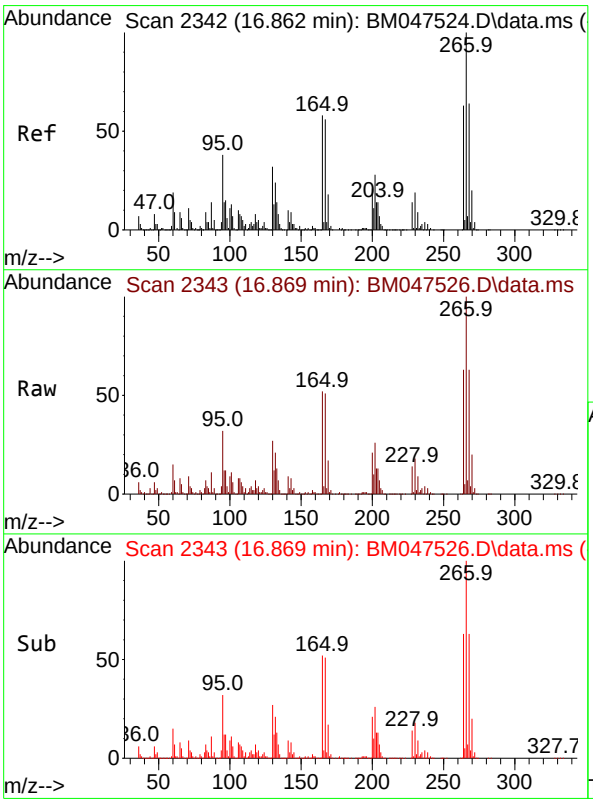
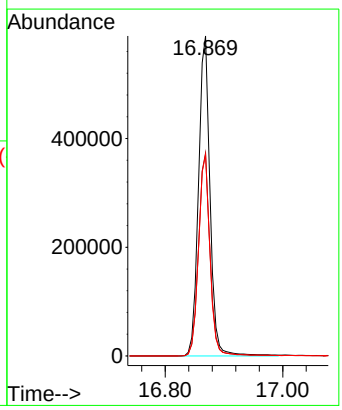
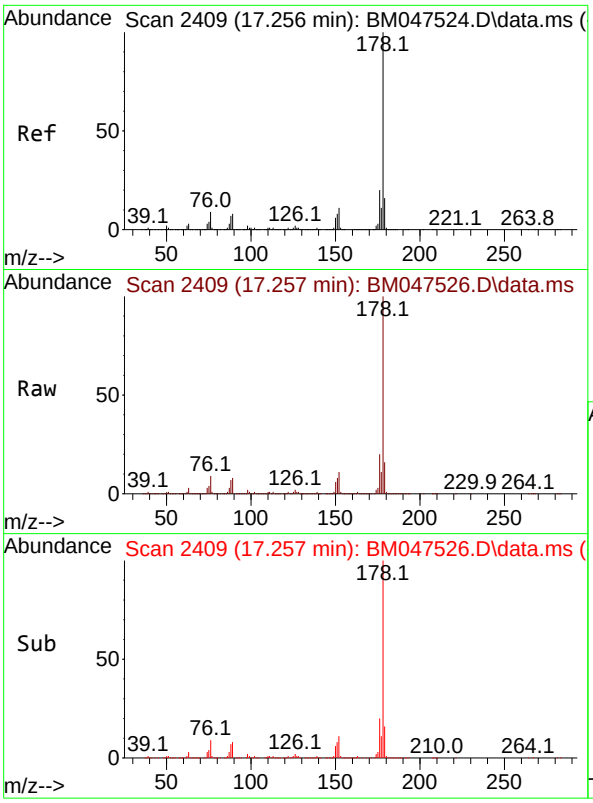


#70
Pentachlorophenol
Concen: 70.588 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:266 Resp: 800527

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.0	76.4
264	63.0	50.4	75.6

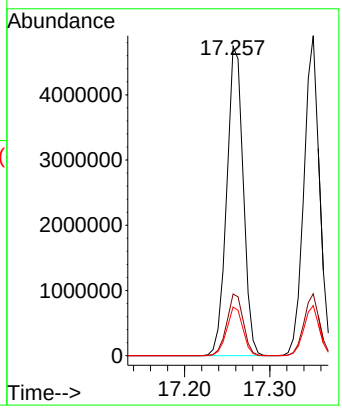




#71
Phenanthrene
Concen: 65.155 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:178 Resp: 638180

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.7	12.4	18.6



Instrument :
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ClientSampleId :
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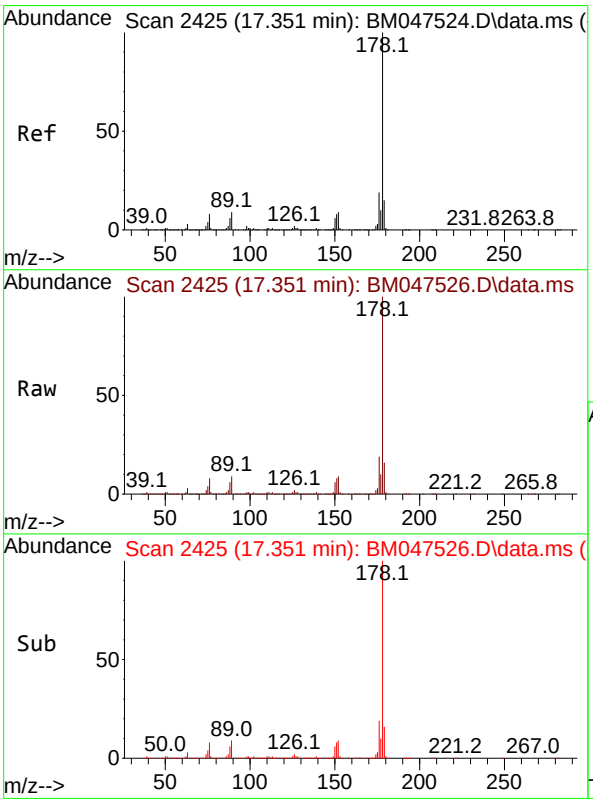
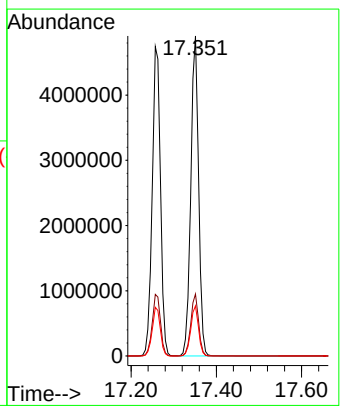
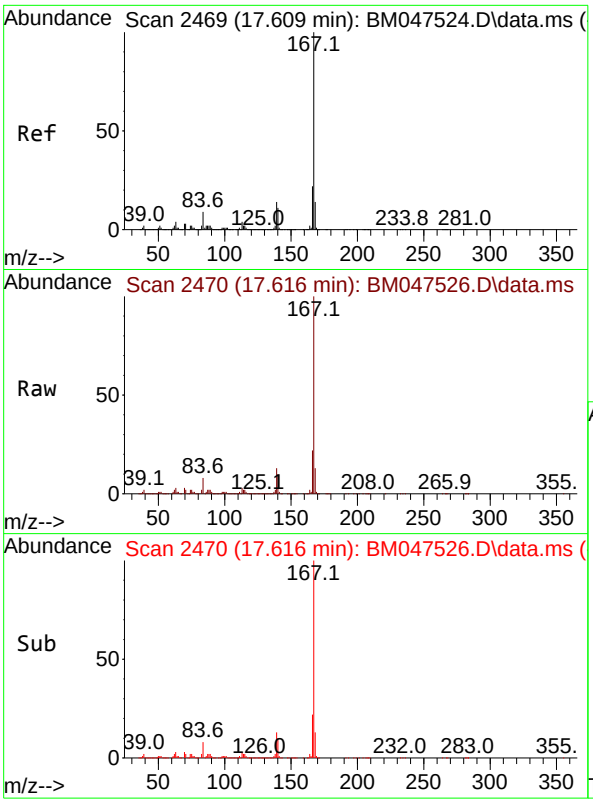


#72
Anthracene
Concen: 66.223 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:178 Resp: 6231891

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.3	18.5

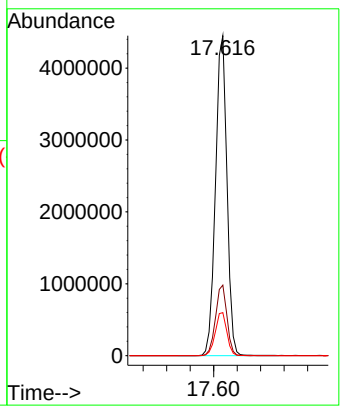




#73
Carbazole
Concen: 64.390 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:167 Resp: 600496

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.8
139	13.4	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
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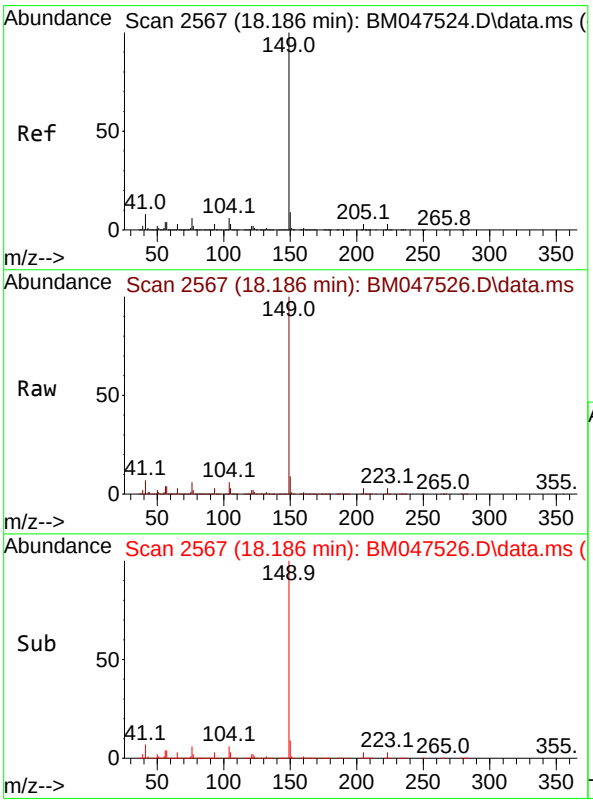
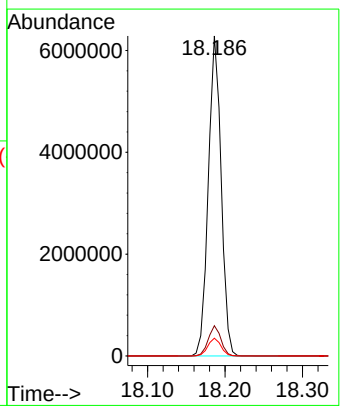
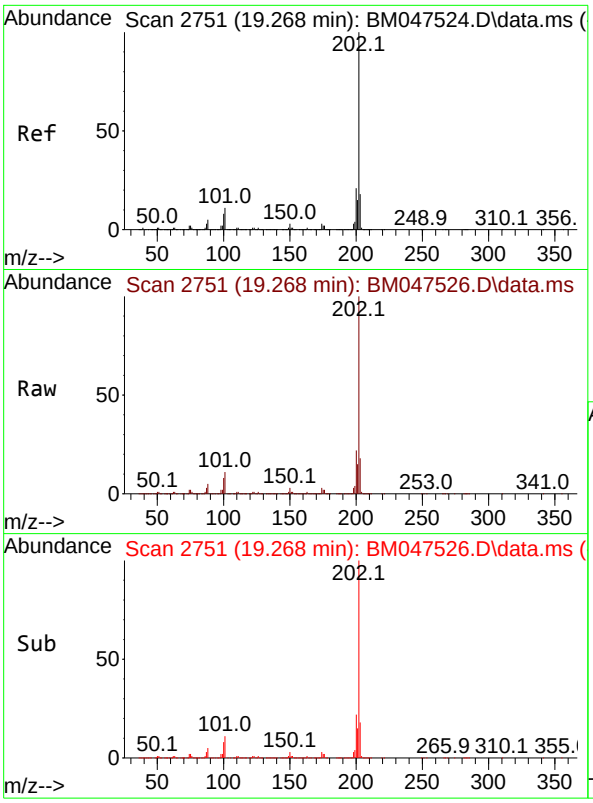


#74
Di-n-butylphthalate
Concen: 64.583 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 7206516

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.6	4.6	6.8

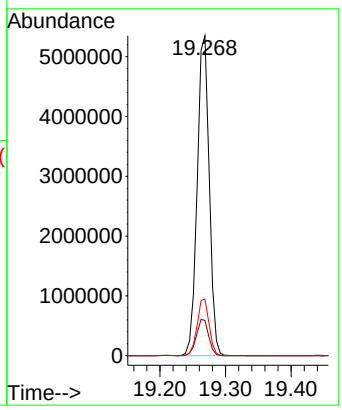




#75
Fluoranthene
Concen: 64.019 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:202 Resp: 684147

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.8
203	17.7	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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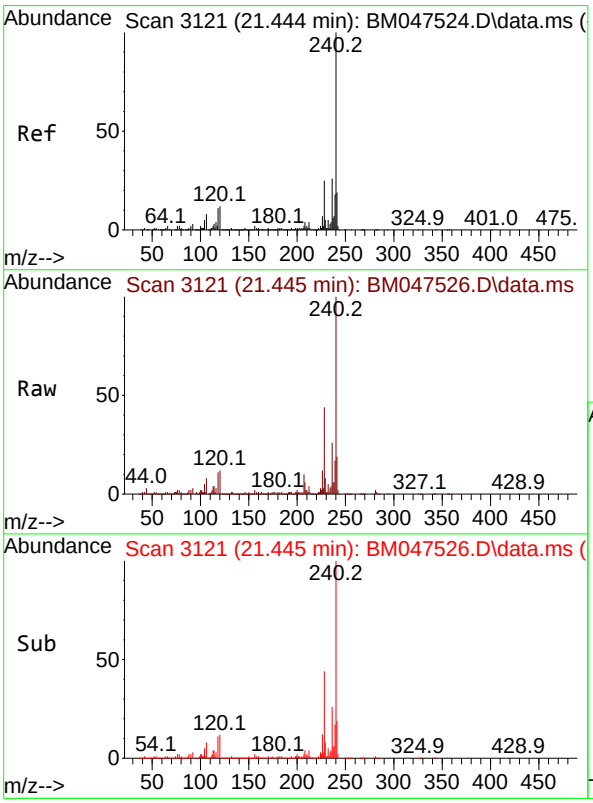
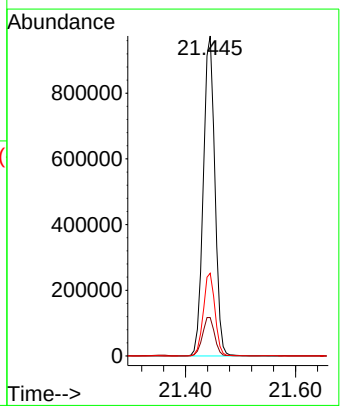
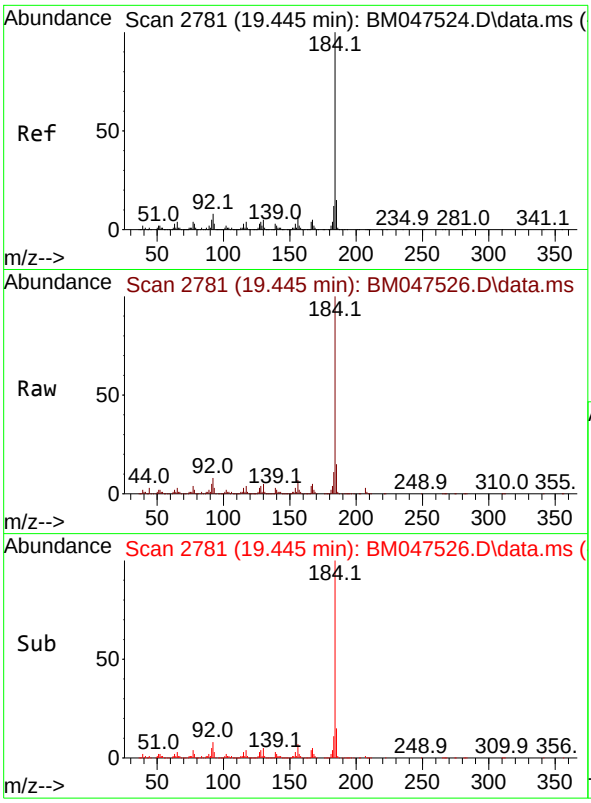


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:240 Resp: 1418749

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.8	20.9	31.3

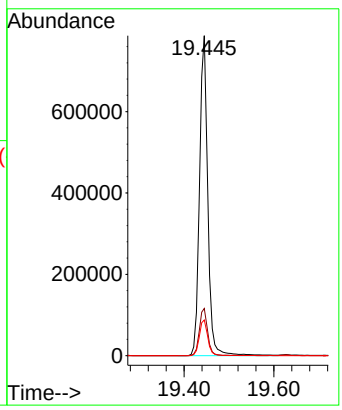




#77
Benzidine
Concen: 50.257 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:184 Resp: 100419

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.2	18.2
183	11.2	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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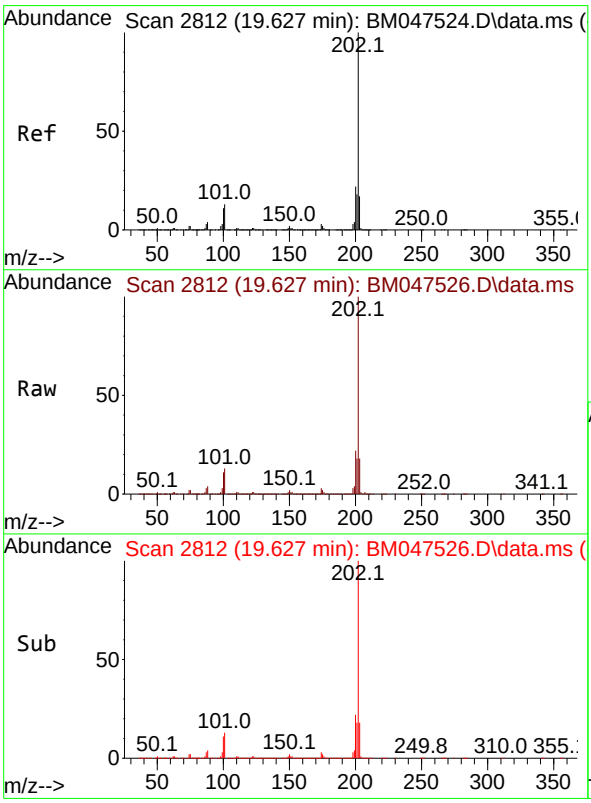
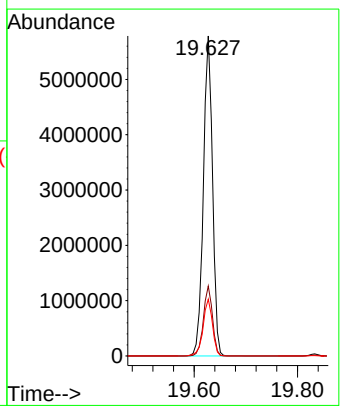
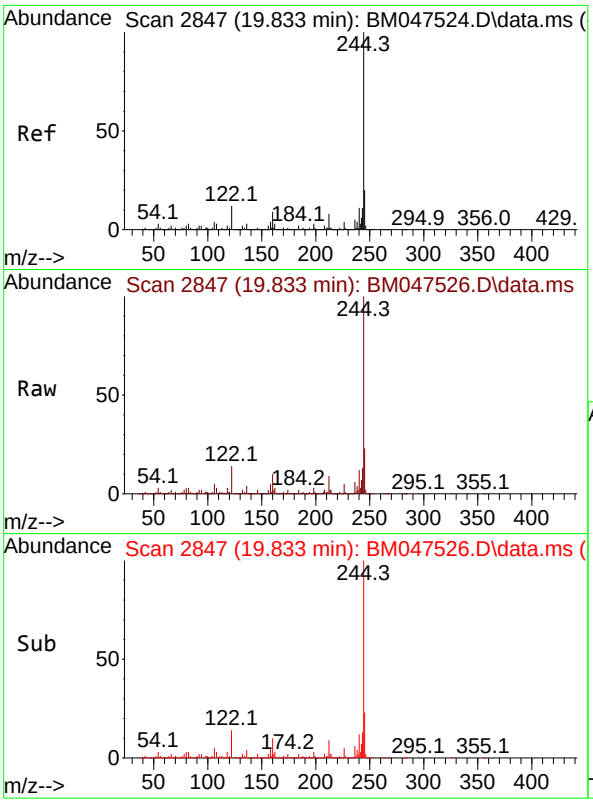


#78
Pyrene
Concen: 68.749 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:202 Resp: 7114617

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.7	14.0	21.0

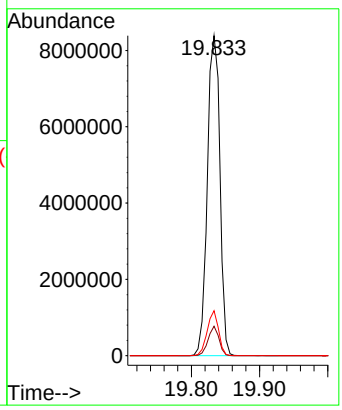




#79
Terphenyl-d14
Concen: 135.674 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:244 Resp:1074184

Ion	Ratio	Lower	Upper
244	100		
212	9.2	6.2	9.2
122	14.1	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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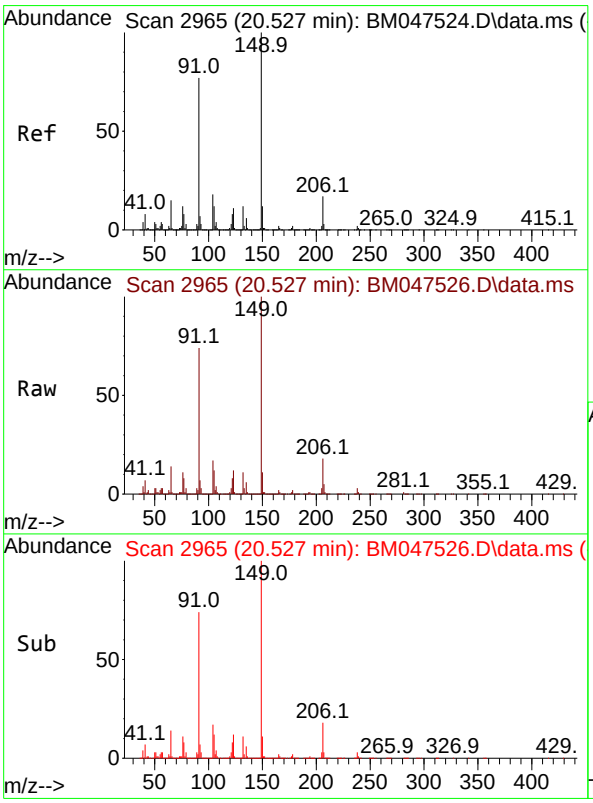
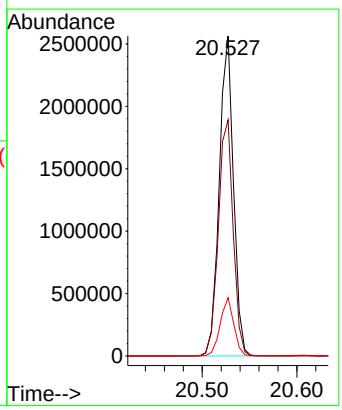
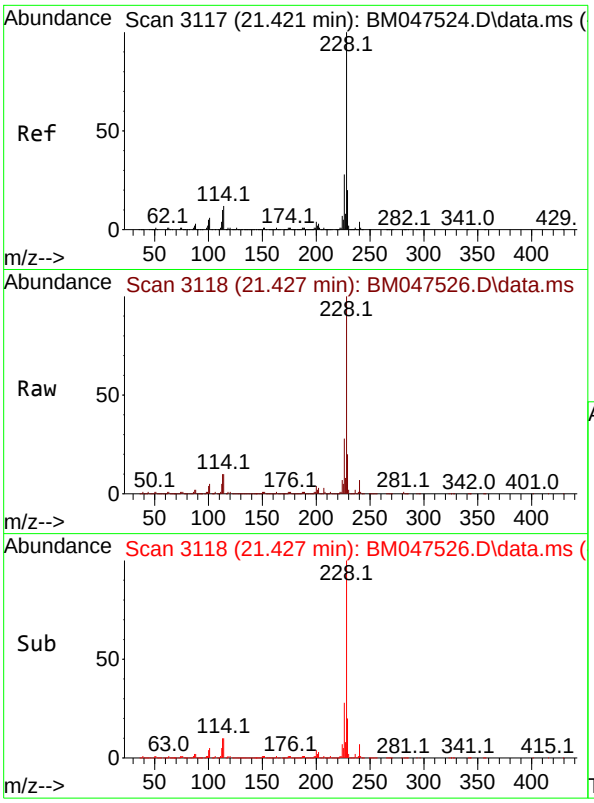


#80
Butylbenzylphthalate
Concen: 66.961 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 2667582

Ion	Ratio	Lower	Upper
149	100		
91	73.8	62.0	93.0
206	18.2	13.8	20.8

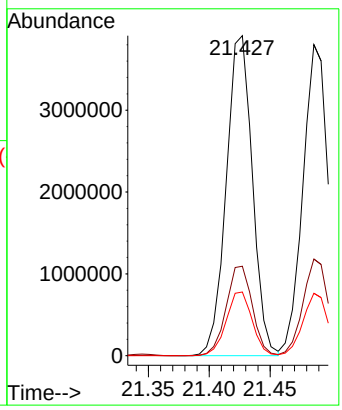




#81
Benzo(a)anthracene
Concen: 63.261 ng
RT: 21.427 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:228 Resp: 584998

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	19.9	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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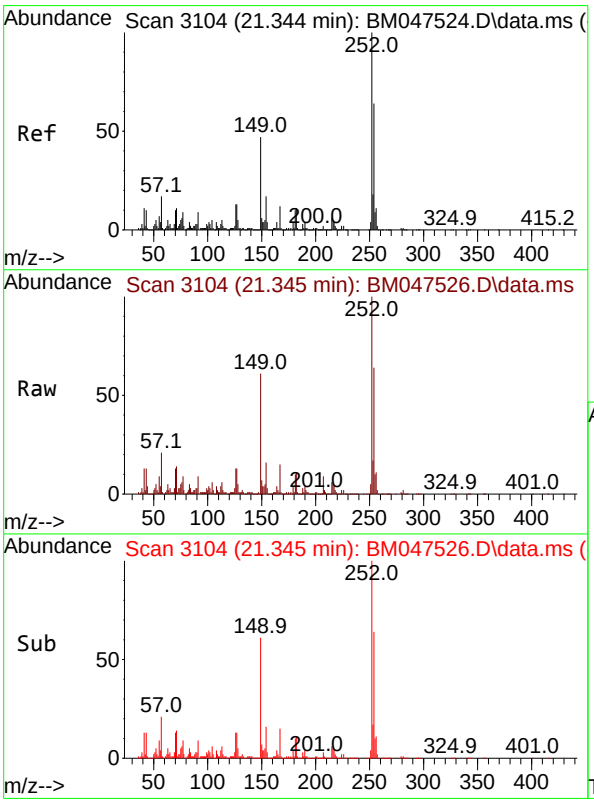
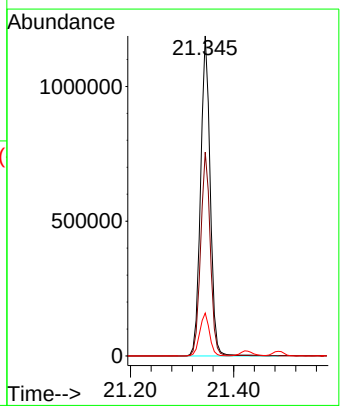
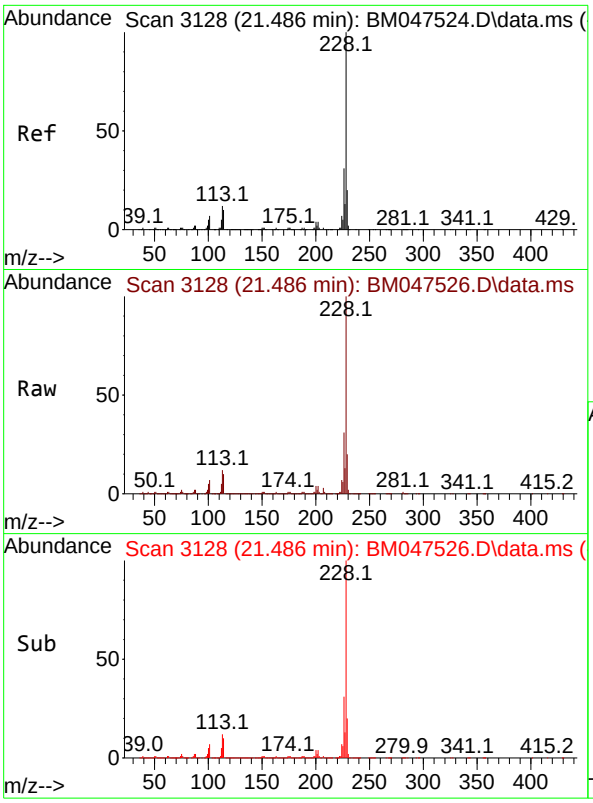


#82
3,3'-Dichlorobenzidine
Concen: 62.240 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:252 Resp: 1531051

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	13.4	10.3	15.5

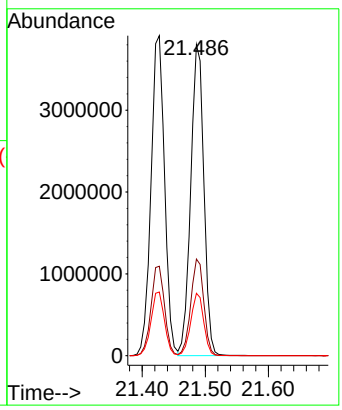




#83
Chrysene
Concen: 62.898 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:228 Resp: 550156

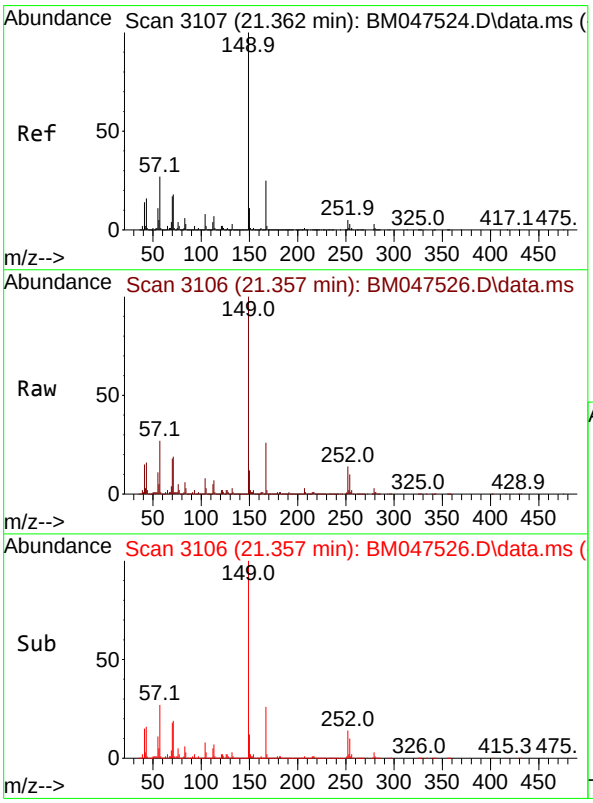
Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.0	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

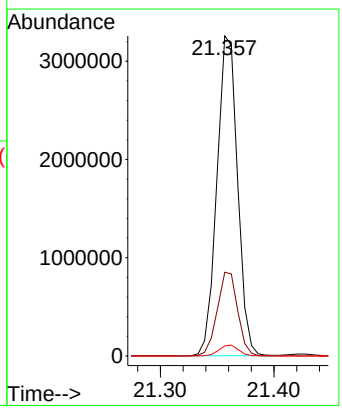
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

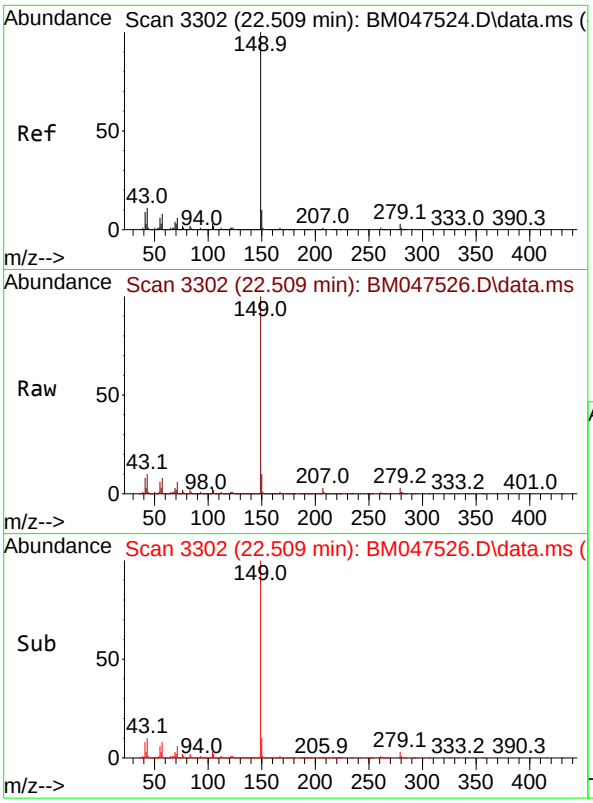


#84
Bis(2-ethylhexyl)phthalate
Concen: 66.107 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 4125584

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.2	30.4
279	3.1	2.6	4.0

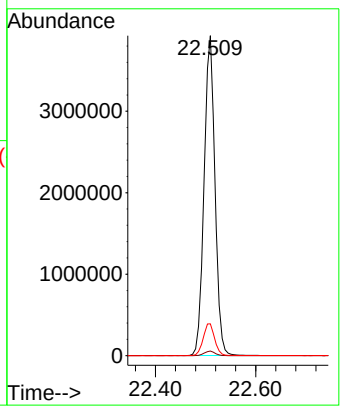




#85
Di-n-octyl phthalate
Concen: 67.112 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 592430

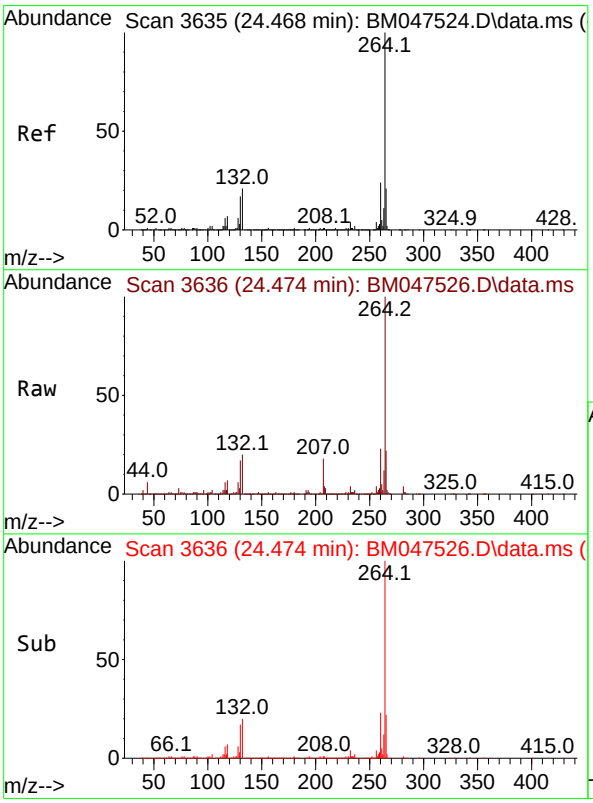
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.5	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

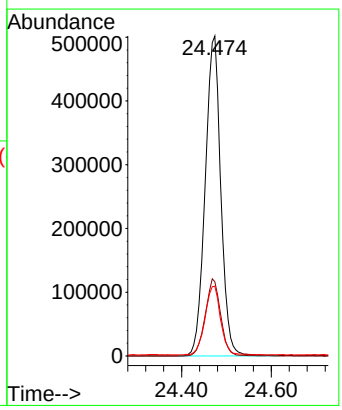
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

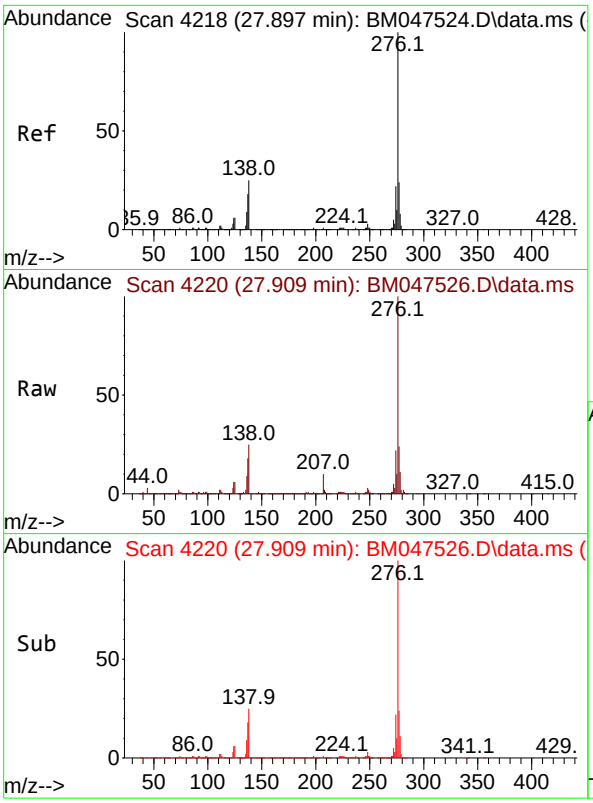


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3636
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:264 Resp: 1211205

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.9	28.3
265	21.8	17.4	26.2

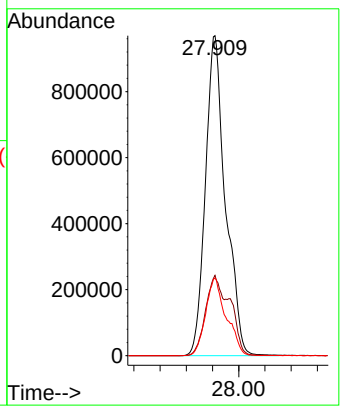




#87
Indeno(1,2,3-cd)pyrene
Concen: 71.030 ng
RT: 27.909 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:276 Resp: 514854

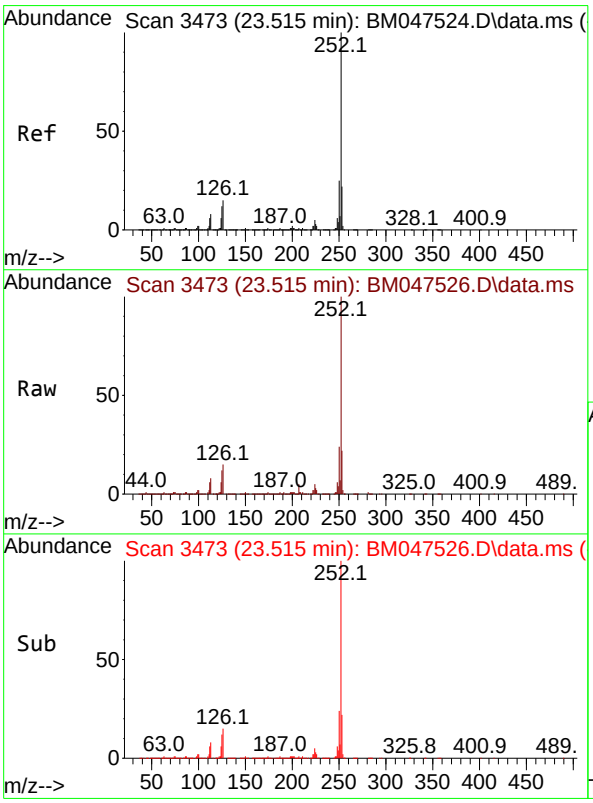
Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6
277	25.1	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

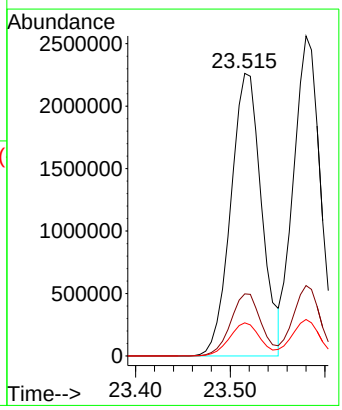
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

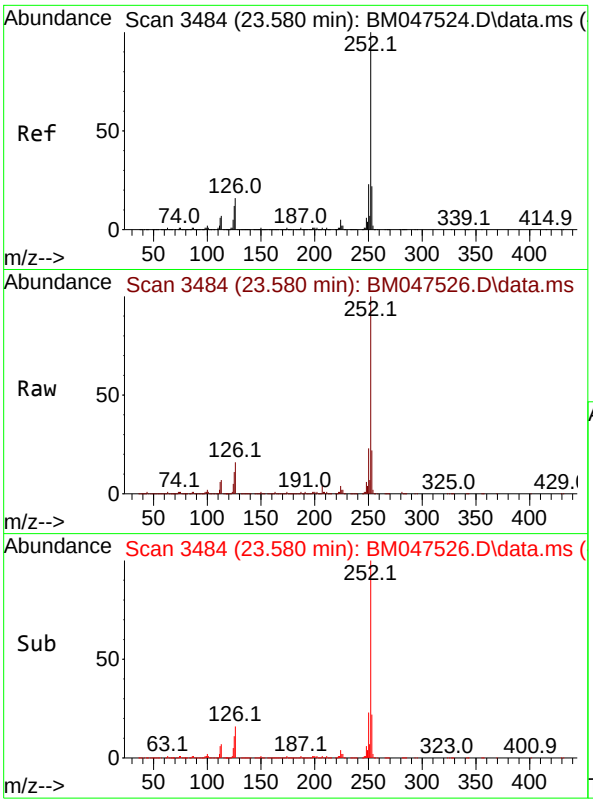


#88
Benzo(b)fluoranthene
Concen: 65.235 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:252 Resp: 5112237

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.7	9.5	14.3

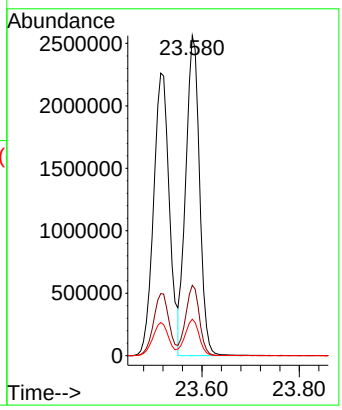




#89
Benzo(k)fluoranthene
Concen: 64.715 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:252 Resp: 502624

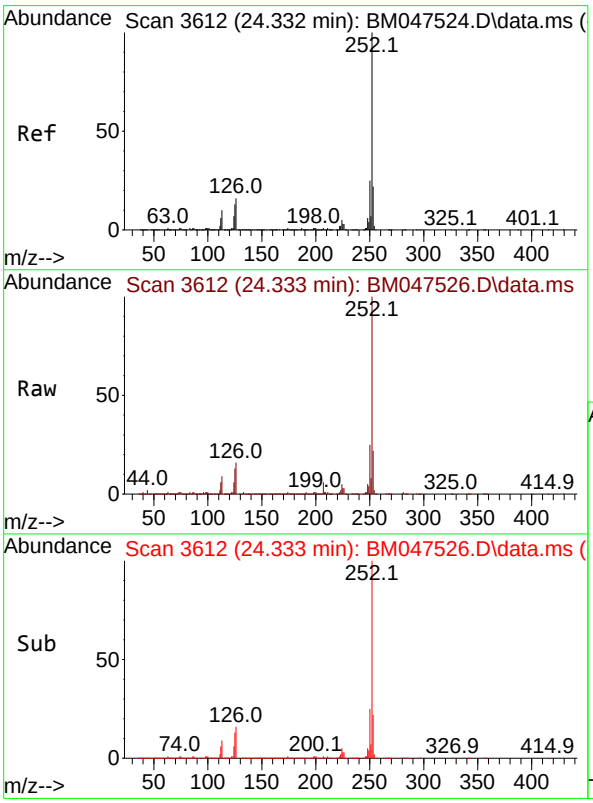
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.4	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

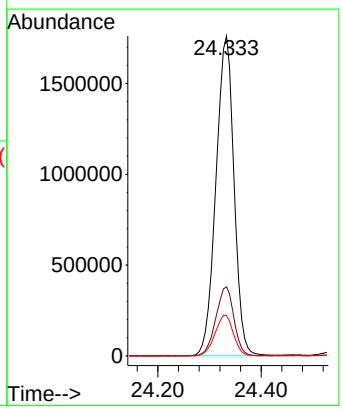
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

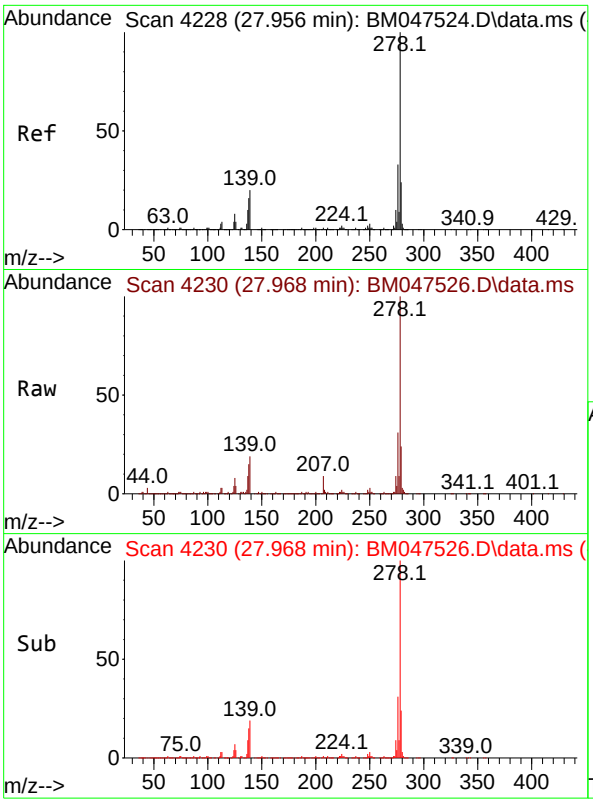


#90
Benzo(a)pyrene
Concen: 66.577 ng
RT: 24.333 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:252 Resp: 4276255

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	12.7	10.2	15.4

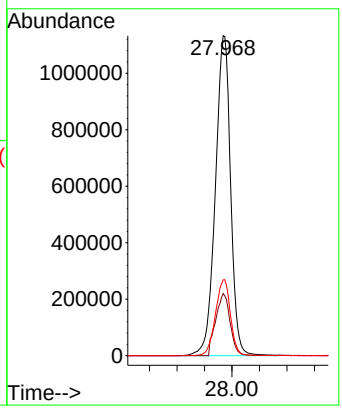




#91
Dibenzo(a,h)anthracene
Concen: 71.370 ng
RT: 27.968 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:278 Resp: 435246

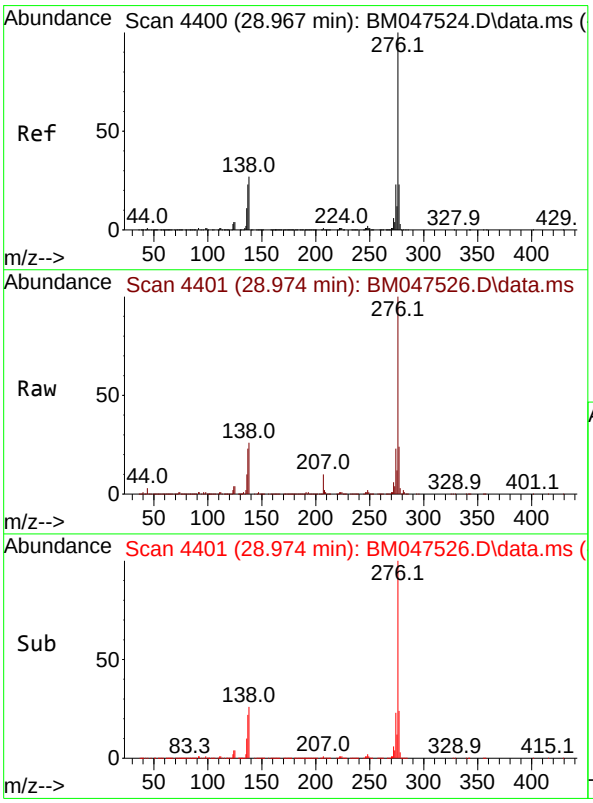
Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.9	23.9
279	23.7	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

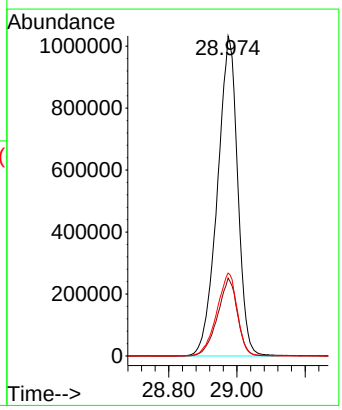
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#92
Benzo(g,h,i)perylene
Concen: 71.434 ng
RT: 28.974 min Scan# 4401
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:276 Resp: 4255468

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	25.9	21.5	32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	404285	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1796687	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	1057761	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	2067717	20.000	ng	0.00
76) Chrysene-d12	21.445	240	1942846	20.000	ng	0.00
86) Perylene-d12	24.474	264	1576393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	4271874	168.242	ng	0.00
7) Phenol-d6	7.016	99	6162085	172.327	ng	0.00
23) Nitrobenzene-d5	9.010	82	5790861	161.302	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1999370	195.553	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	12747745	166.014	ng	0.00
79) Terphenyl-d14	19.827	244	13800852	127.289	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	813015	74.756	ng	98
3) Pyridine	3.716	79	2567963m	79.346	ng	
4) n-Nitrosodimethylamine	3.628	42	1142344	77.774	ng	99
6) Aniline	7.181	93	2567465	80.988	ng	99
8) 2-Chlorophenol	7.416	128	2324724	83.052	ng	98
9) Benzaldehyde	6.987	77	1038190	61.060	ng	98
10) Phenol	7.046	94	3007878	84.009	ng	96
11) bis(2-Chloroethyl)ether	7.275	93	2286948	79.561	ng	99
12) 1,3-Dichlorobenzene	7.740	146	2435858	79.505	ng	99
13) 1,4-Dichlorobenzene	7.887	146	2498023	80.050	ng	99
14) 1,2-Dichlorobenzene	8.204	146	2491331	81.123	ng	99
15) Benzyl Alcohol	8.093	79	2057266	84.936	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	3052483	75.492	ng	99
17) 2-Methylphenol	8.293	107	1903443	83.218	ng	97
18) Hexachloroethane	8.940	117	977874	78.443	ng	99
19) n-Nitroso-di-n-propyla...	8.669	70	1992320	82.637	ng	97
20) 3+4-Methylphenols	8.622	107	2684322	84.108	ng	99
22) Acetophenone	8.675	105	3824012	80.956	ng	98
24) Nitrobenzene	9.051	77	2892211	78.400	ng	98
25) Isophorone	9.581	82	5147890	81.564	ng	98
26) 2-Nitrophenol	9.757	139	1178242	93.728	ng	98
27) 2,4-Dimethylphenol	9.822	122	1580029	82.915	ng	100
28) bis(2-Chloroethoxy)met...	10.057	93	3159251	79.689	ng	100
29) 2,4-Dichlorophenol	10.293	162	2120521	87.588	ng	100
30) 1,2,4-Trichlorobenzene	10.510	180	2299410	82.914	ng	98
31) Naphthalene	10.698	128	7931552	81.739	ng	99
32) Benzoic acid	10.010	122	1633674	81.568	ng	99
33) 4-Chloroaniline	10.804	127	2895334	82.527	ng	99
34) Hexachlorobutadiene	10.992	225	1253407	81.599	ng	99
35) Caprolactam	11.610	113	713610m	89.483	ng	
36) 4-Chloro-3-methylphenol	11.928	107	2422201	87.301	ng	99
37) 2-Methylnaphthalene	12.310	142	5533461	85.681	ng	99
38) 1-Methylnaphthalene	12.528	142	5458215	85.045	ng	99
40) 1,2,4,5-Tetrachloroben...	12.681	216	2478282	86.585	ng	99
41) Hexachlorocyclopentadiene	12.663	237	767897	82.067	ng	98
43) 2,4,6-Trichlorophenol	12.916	196	1608158	89.682	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	1807737	89.254	ng	96
46) 1,1'-Biphenyl	13.322	154	6900085	83.841	ng	99
47) 2-Chloronaphthalene	13.363	162	5299327	82.926	ng	100
48) 2-Nitroaniline	13.557	65	1636291	87.177	ng	95
49) Acenaphthylene	14.204	152	7902521	85.694	ng	99
50) Dimethylphthalate	13.951	163	6053832	83.970	ng	99
51) 2,6-Dinitrotoluene	14.057	165	1339809	88.032	ng	96
52) Acenaphthene	14.551	154	5646673	87.391	ng	98
53) 3-Nitroaniline	14.386	138	1507991	89.143	ng	92
54) 2,4-Dinitrophenol	14.586	184	687253	80.155	ng	88
55) Dibenzofuran	14.880	168	7658287	84.345	ng	99
56) 4-Nitrophenol	14.686	139	1275528	91.631	ng	96
57) 2,4-Dinitrotoluene	14.839	165	1862347	91.750	ng	95
58) Fluorene	15.527	166	6958364	85.121	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.104	232	1418100	89.803	ng	98
60) Diethylphthalate	15.310	149	6548466	85.346	ng	98
61) 4-Chlorophenyl-phenyle...	15.527	204	3240239	86.689	ng	96
62) 4-Nitroaniline	15.545	138	1774673	89.247	ng	99
63) Azobenzene	15.816	77	6753769	79.939	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	930135	82.293	ng	86
66) n-Nitrosodiphenylamine	15.739	169	5343062	84.468	ng	99
67) 4-Bromophenyl-phenylether	16.416	248	1776087	88.401	ng	96
68) Hexachlorobenzene	16.533	284	1973858	86.722	ng	95
69) Atrazine	16.686	200	1491993	85.338	ng	99
70) Pentachlorophenol	16.869	266	1295032	98.154	ng	100
71) Phenanthrene	17.263	178	9619666	84.419	ng	99
72) Anthracene	17.351	178	9345063	85.358	ng	98
73) Carbazole	17.616	167	9447268	87.074	ng	100
74) Di-n-butylphthalate	18.186	149	11171302	86.054	ng	96
75) Fluoranthene	19.268	202	11144442	89.637	ng	95
78) Pyrene	19.627	202	11546013	81.473	ng	94
80) Butylbenzylphthalate	20.527	149	5169435	94.758	ng	94
81) Benzo(a)anthracene	21.427	228	10436413	82.413	ng	98
82) 3,3'-Dichlorobenzidine	21.351	252	2865589	85.067	ng	99
83) Chrysene	21.492	228	9790429	81.737	ng	98
84) Bis(2-ethylhexyl)phtha...	21.362	149	8042940	94.112	ng	97
85) Di-n-octyl phthalate	22.509	149	12044470	99.636	ng	96
87) Indeno(1,2,3-cd)pyrene	27.915	276	7774612	82.411	ng	98
88) Benzo(b)fluoranthene	23.521	252	9031581	88.549	ng	99
89) Benzo(k)fluoranthene	23.586	252	8979117	88.828	ng	99
90) Benzo(a)pyrene	24.339	252	7381766	88.303	ng	99
91) Dibenzo(a,h)anthracene	27.980	278	6673296	84.077	ng	98
92) Benzo(g,h,i)perylene	28.985	276	6230387	80.358	ng	99

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

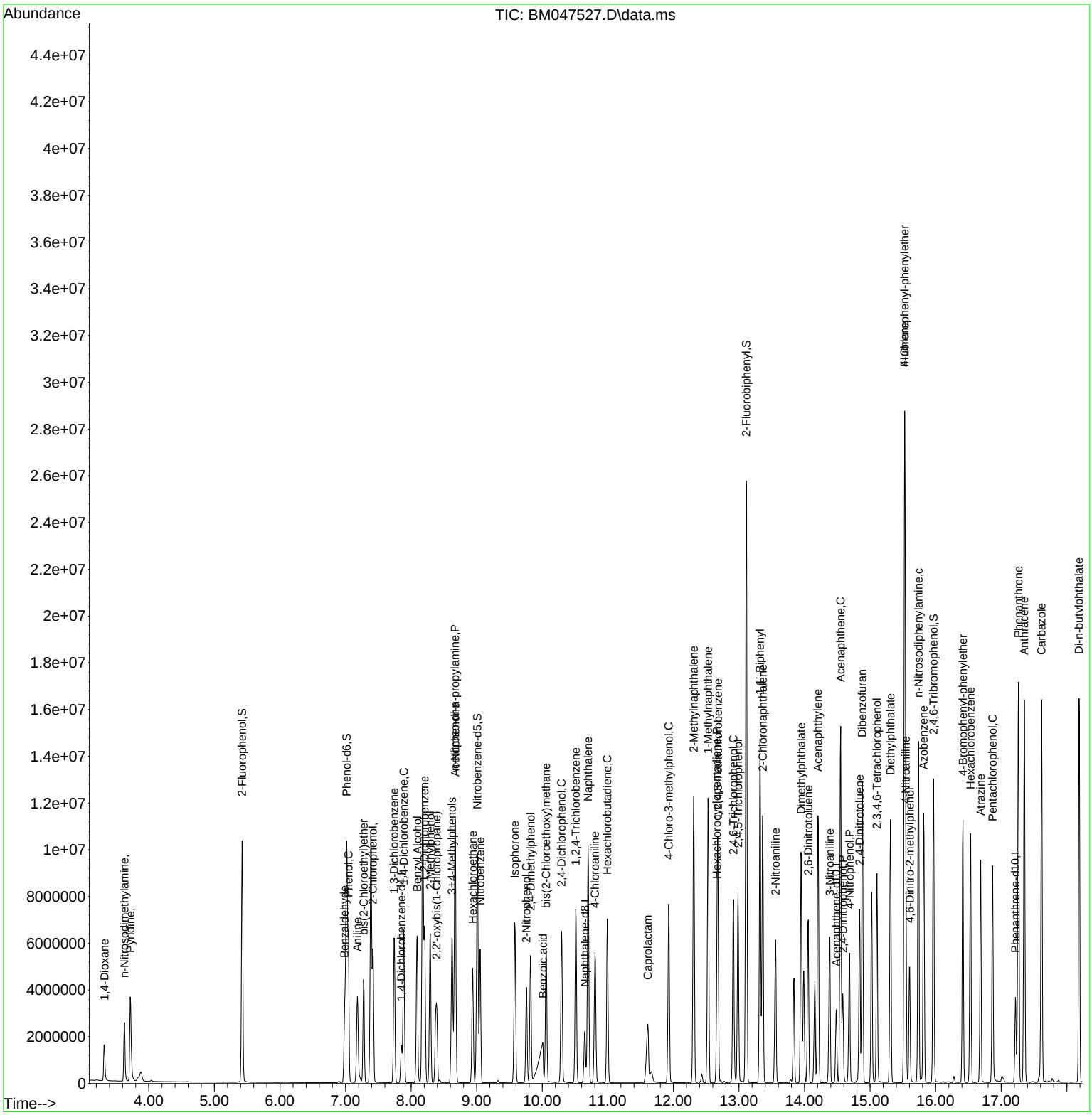
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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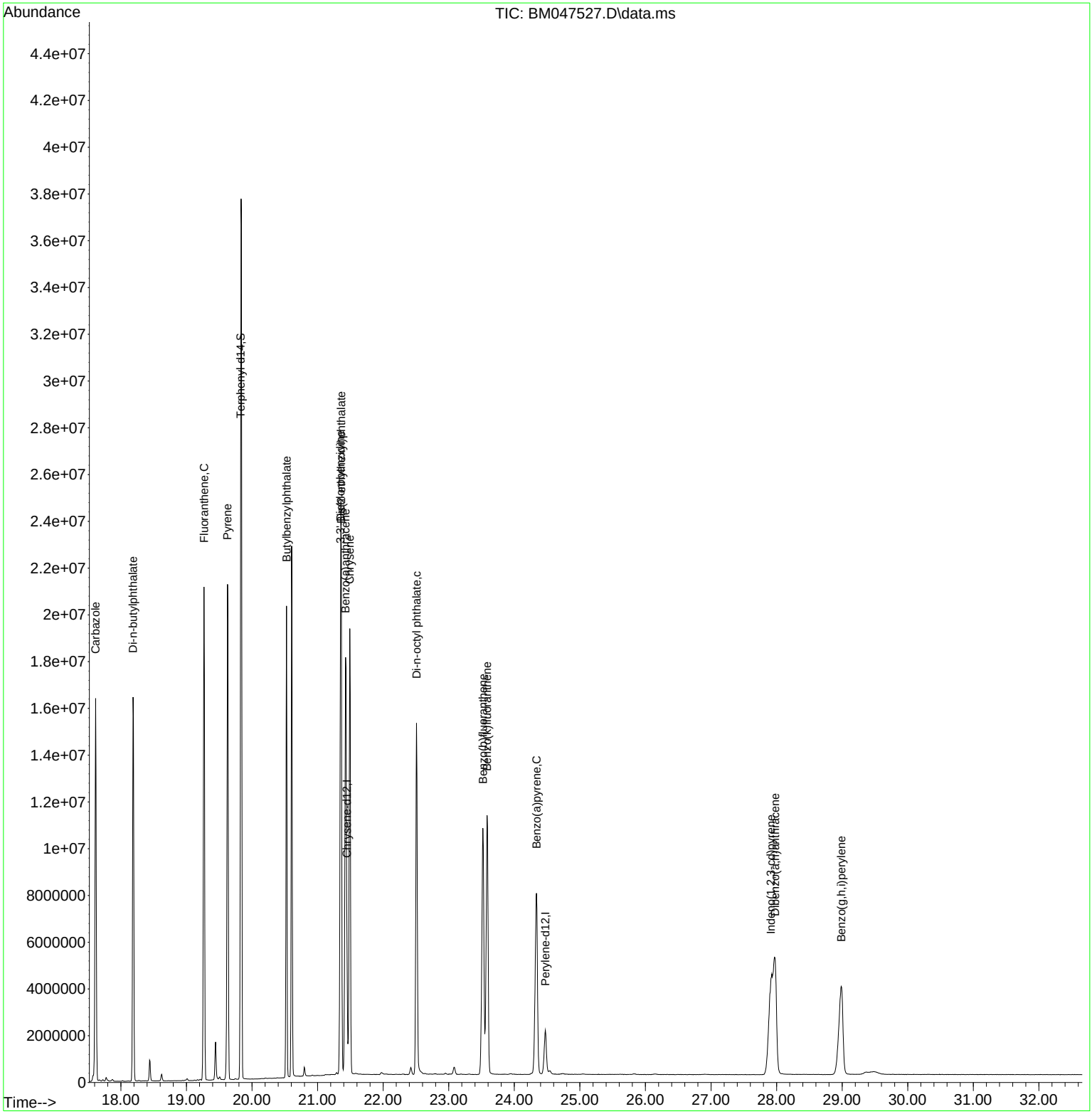
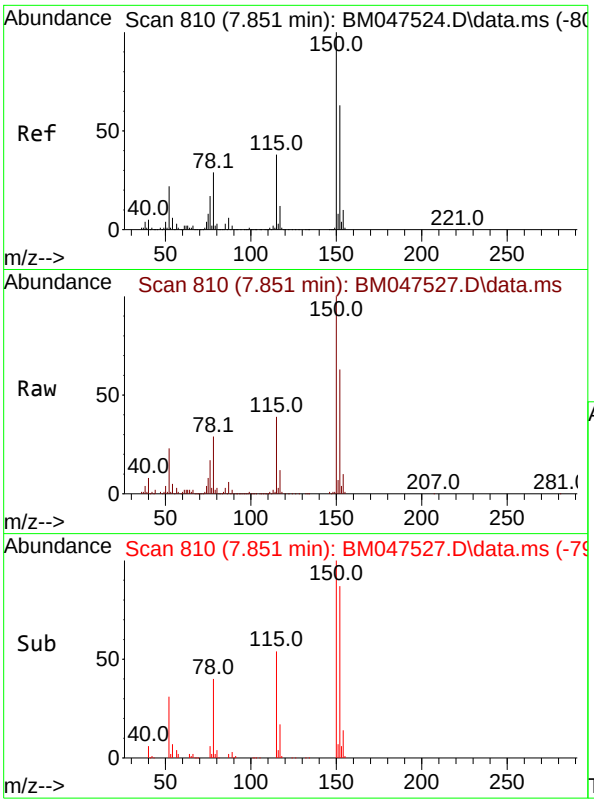
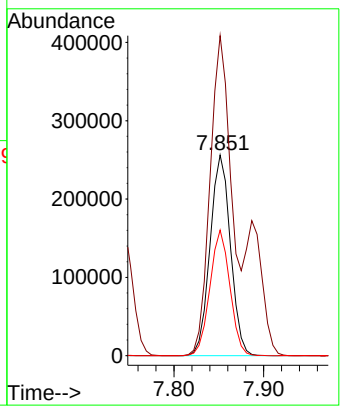




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:152 Resp: 40428

Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.8	190.2
115	62.6	47.8	71.8



Instrument :
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ClientSampleId :
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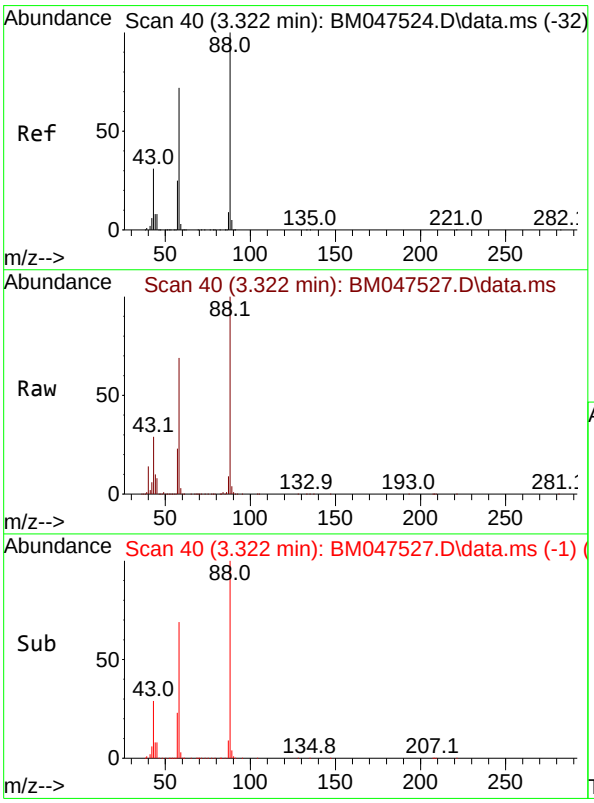
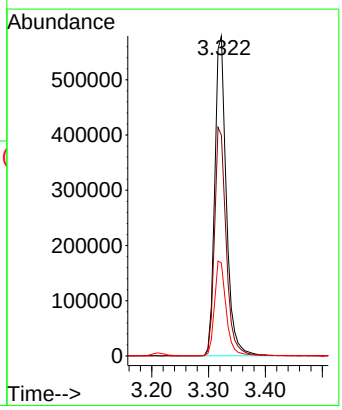
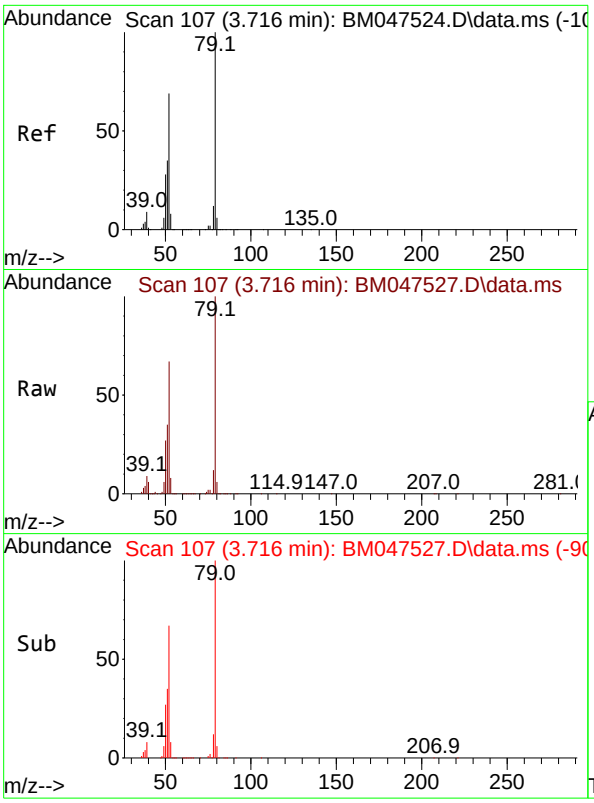


#2
1,4-Dioxane
Concen: 74.756 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 88 Resp: 813015

Ion	Ratio	Lower	Upper
88	100		
58	72.5	59.0	88.6
43	29.9	25.0	37.4





#3
Pyridine
Concen: 79.346 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 79 Resp: 256796

Ion	Ratio	Lower	Upper
79	100		
52	66.6	55.4	83.0
51	34.6	27.9	41.9

Instrument :
BNA_M
ClientSampleId :
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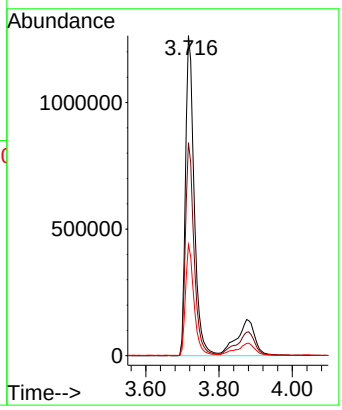
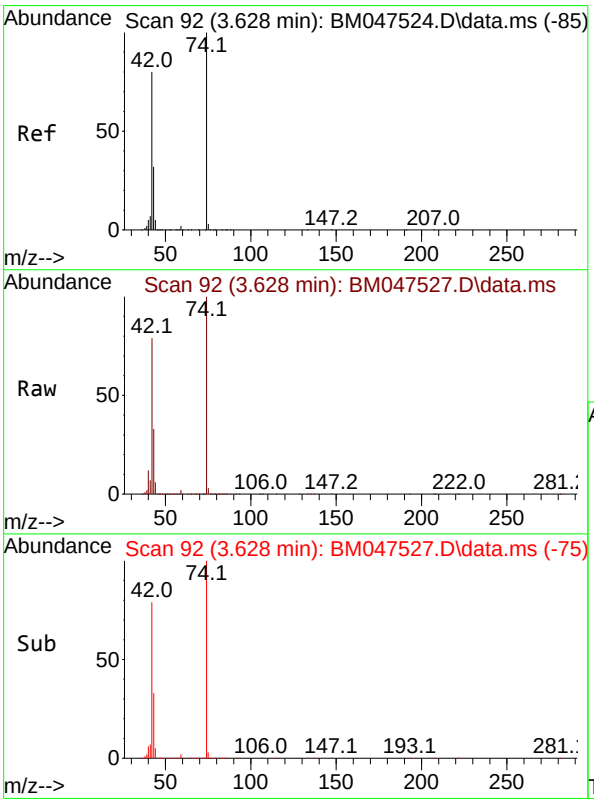
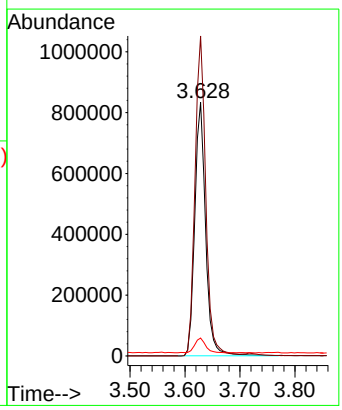


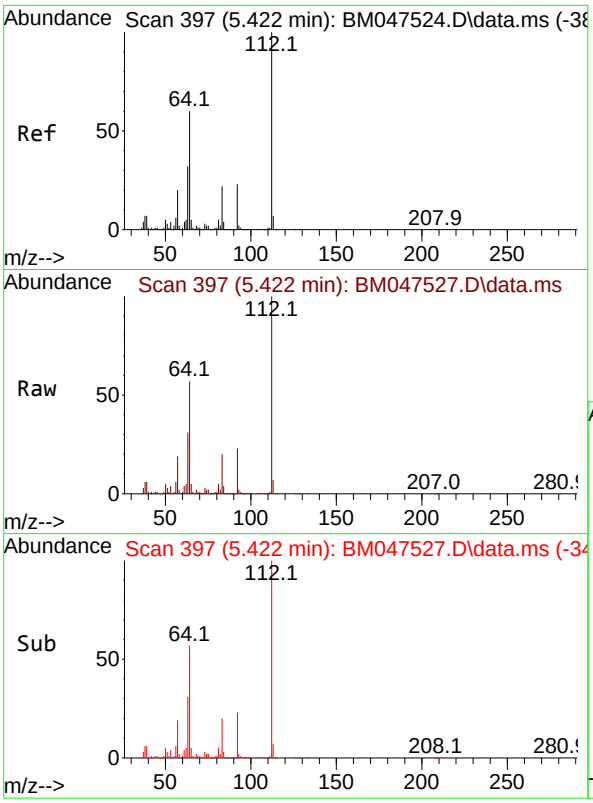


#4
n-Nitrosodimethylamine
Concen: 77.774 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 42 Resp: 1142344

Ion	Ratio	Lower	Upper
42	100		
74	126.2	100.5	150.7
44	7.1	6.9	10.3

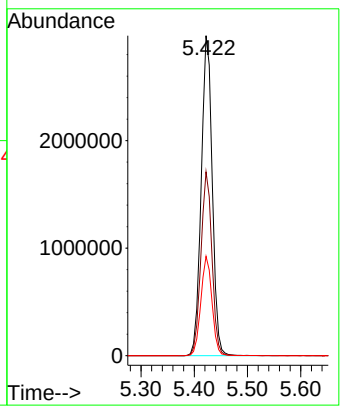




#5
2-Fluorophenol
Concen: 168.242 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:112 Resp: 427187

Ion	Ratio	Lower	Upper
112	100		
64	57.5	48.2	72.4
63	31.1	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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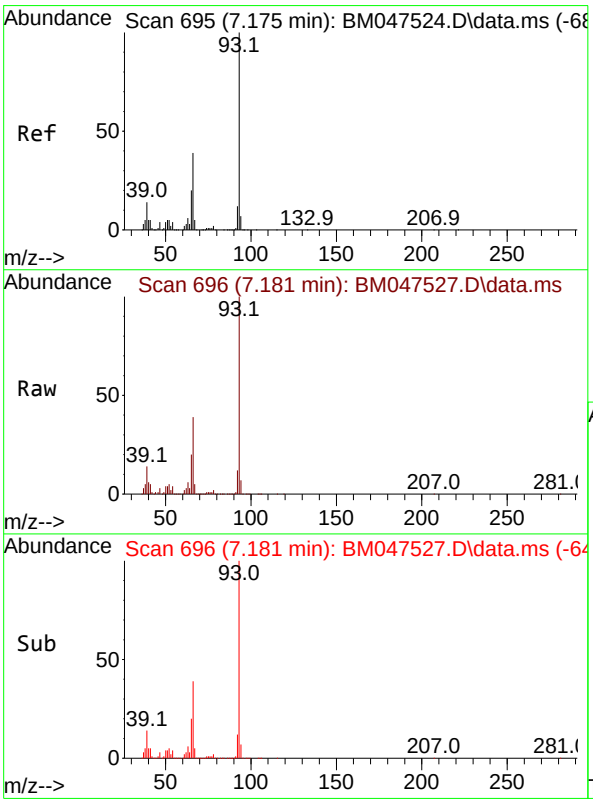
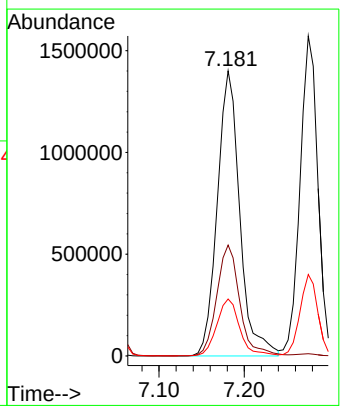
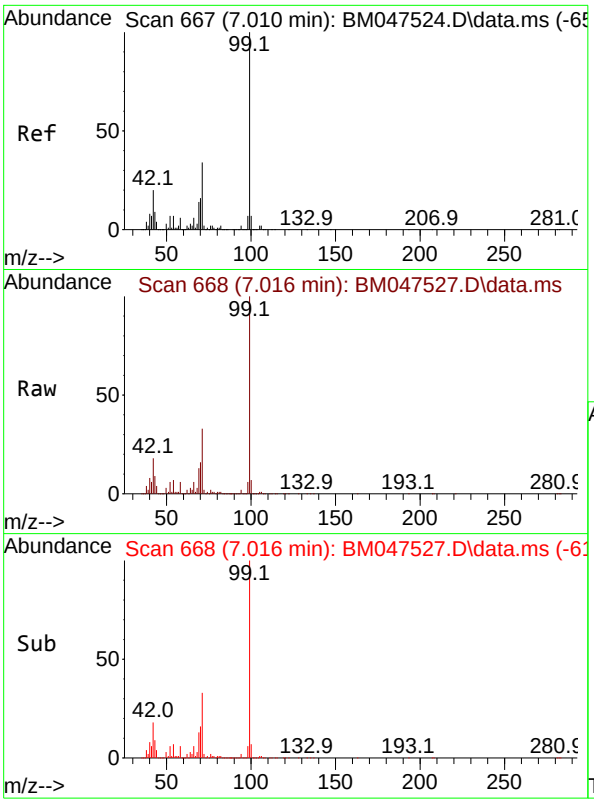


#6
Aniline
Concen: 80.988 ng
RT: 7.181 min Scan# 696
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 93 Resp: 2567465

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.4	47.0
65	20.0	16.3	24.5

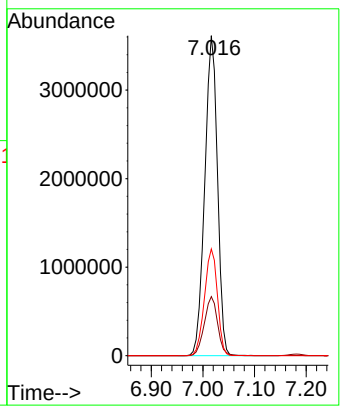




#7
Phenol-d6
Concen: 172.327 ng
RT: 7.016 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 99 Resp: 616208

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.8	23.8
71	33.4	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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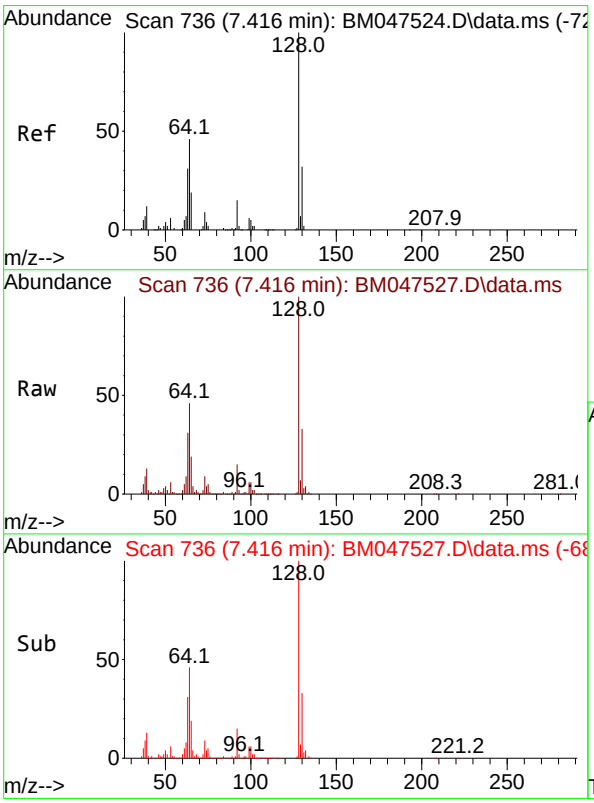
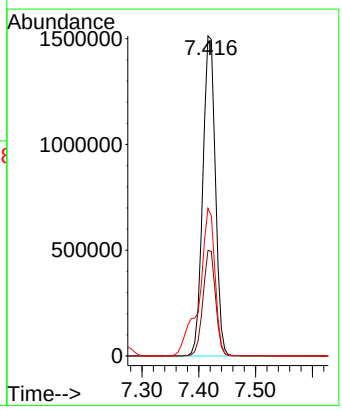
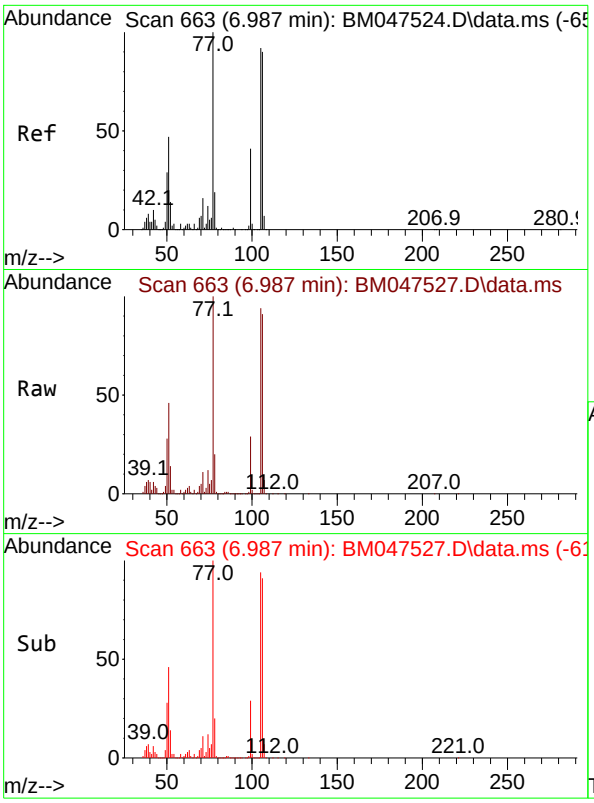


#8
2-Chlorophenol
Concen: 83.052 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:128 Resp: 2324724

Ion	Ratio	Lower	Upper
128	100		
130	33.0	11.8	51.8
64	46.2	27.6	67.6

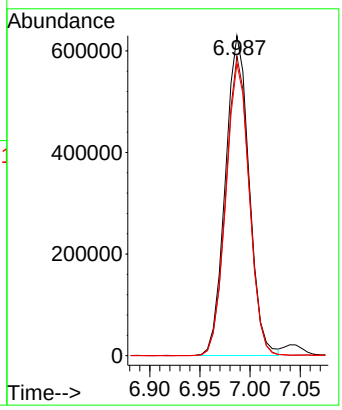




#9
Benzaldehyde
Concen: 61.060 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 77 Resp: 103819

Ion	Ratio	Lower	Upper
77	100		
105	93.5	71.8	111.8
106	91.2	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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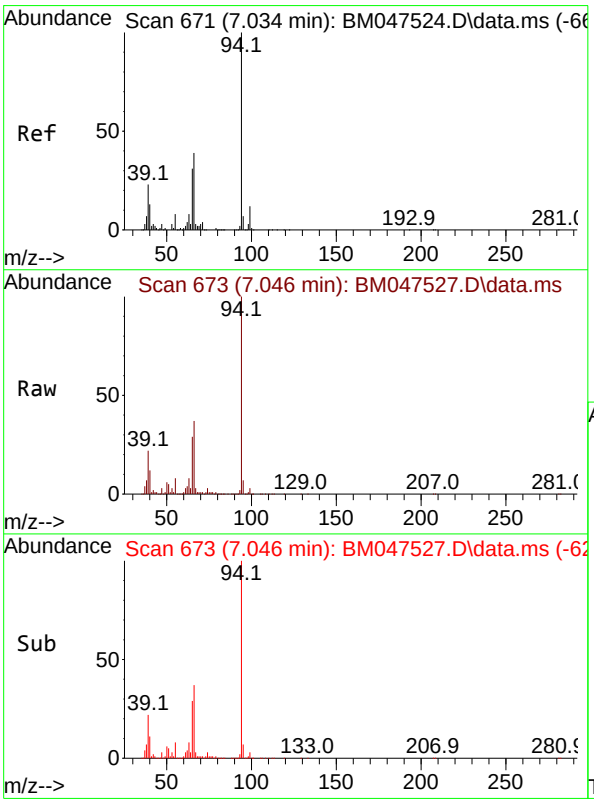
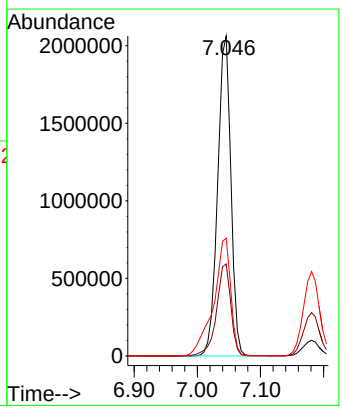
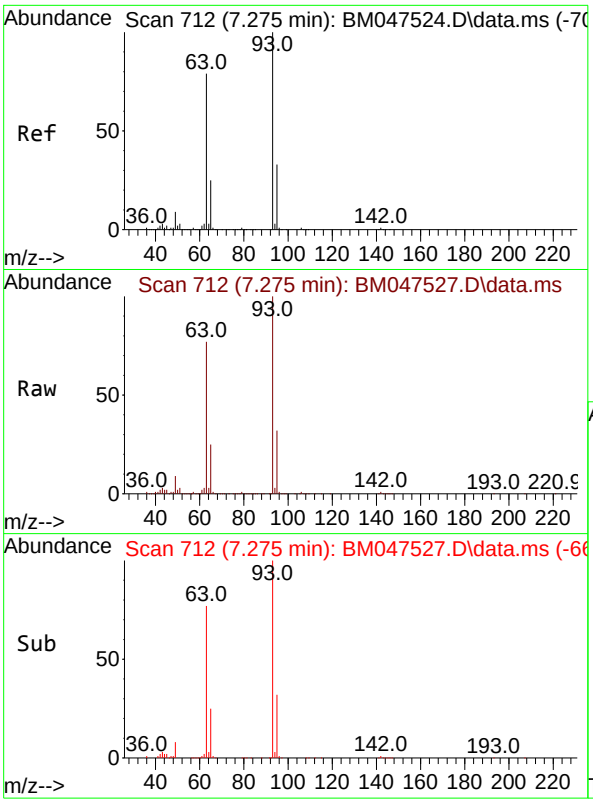


#10
Phenol
Concen: 84.009 ng
RT: 7.046 min Scan# 673
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 94 Resp: 3007878

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.8	50.8
66	36.8	19.2	59.2

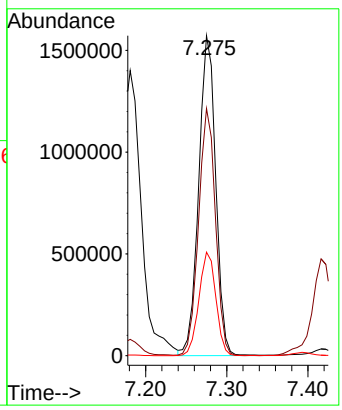




#11
bis(2-Chloroethyl)ether
Concen: 79.561 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 93 Resp: 228694

Ion	Ratio	Lower	Upper
93	100		
63	77.3	58.2	98.2
95	32.3	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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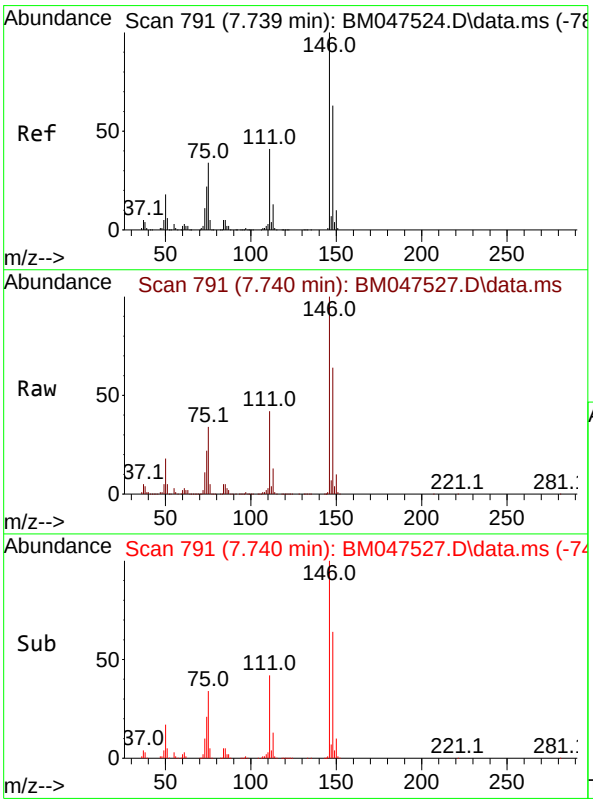
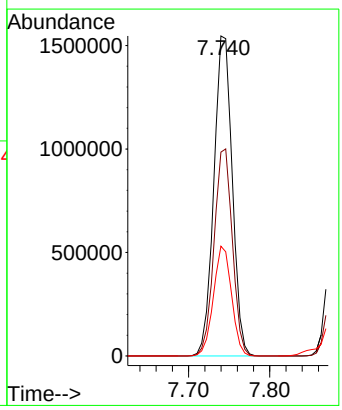
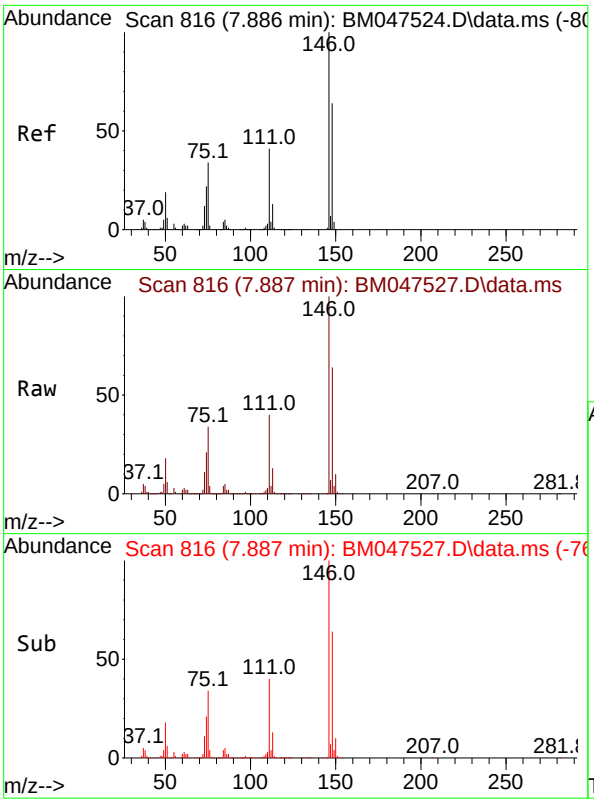


#12
1,3-Dichlorobenzene
Concen: 79.505 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:146 Resp: 2435858

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.2	75.4
75	34.3	27.4	41.0

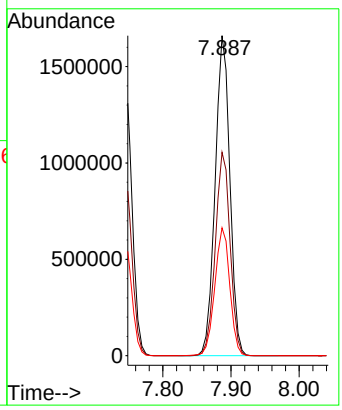




#13
1,4-Dichlorobenzene
Concen: 80.050 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:146 Resp: 249802

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
111	39.9	32.9	49.3



Instrument :
BNA_M
ClientSampleId :
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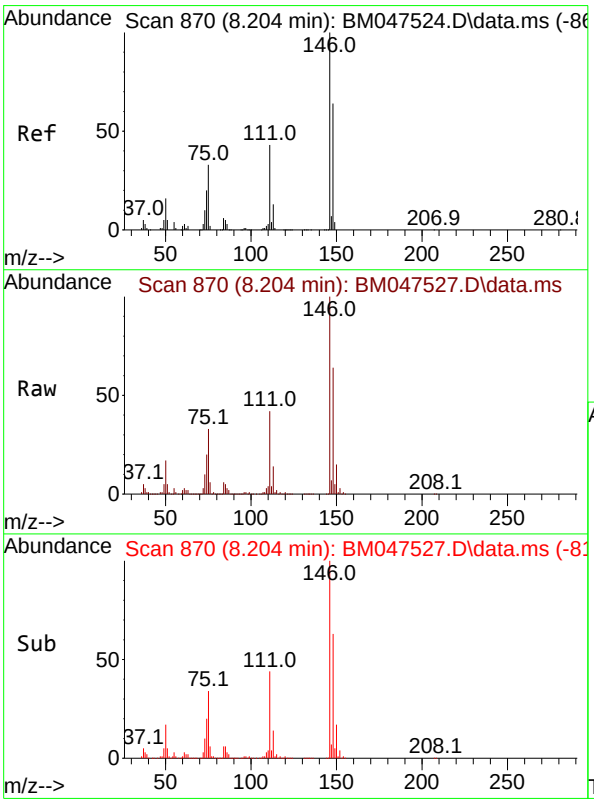
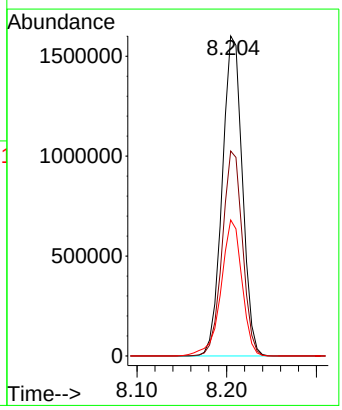
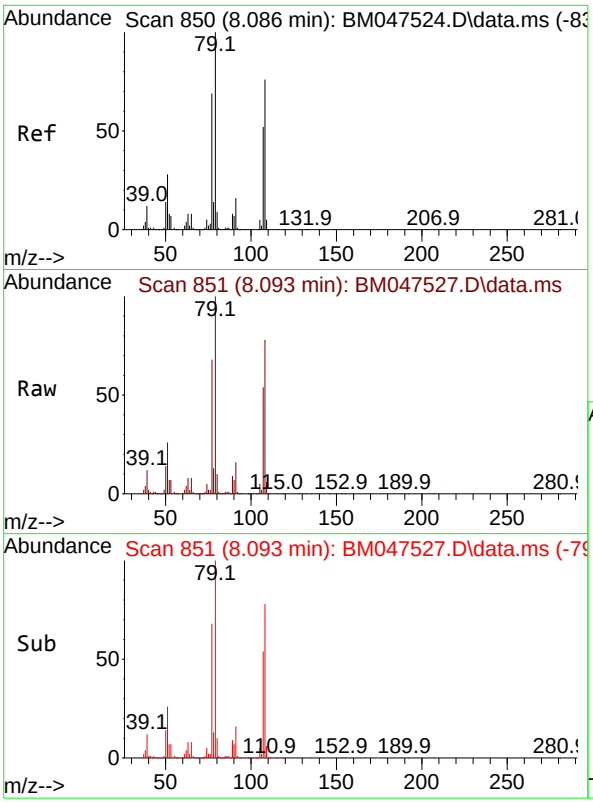


#14
1,2-Dichlorobenzene
Concen: 81.123 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:146 Resp: 2491331

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	42.5	34.7	52.1

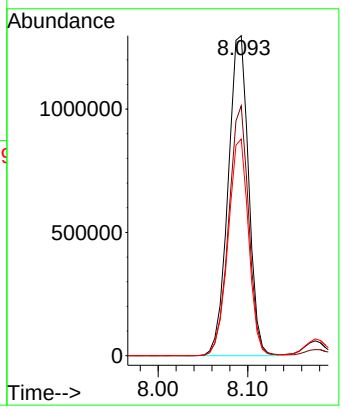




#15
Benzyl Alcohol
Concen: 84.936 ng
RT: 8.093 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 79 Resp: 205726

Ion	Ratio	Lower	Upper
79	100		
108	78.1	60.6	91.0
77	67.7	55.0	82.4



Instrument :
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ClientSampleId :
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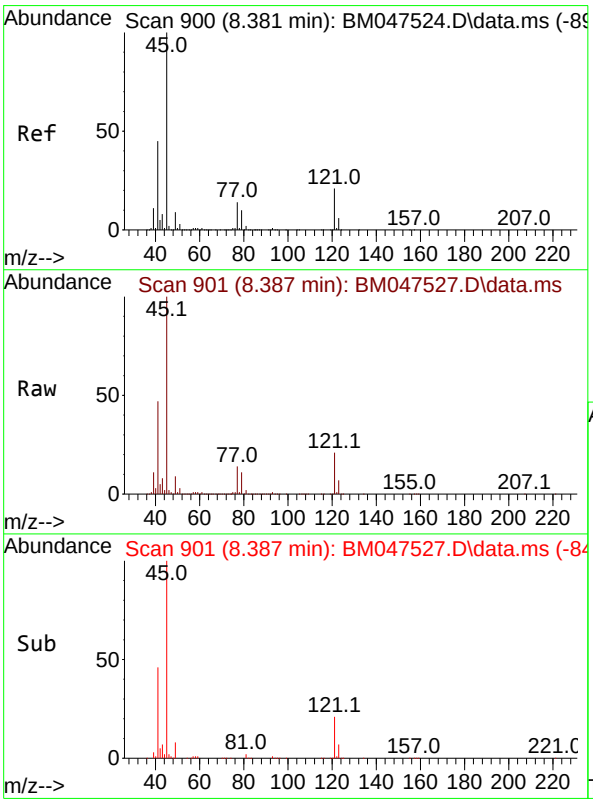
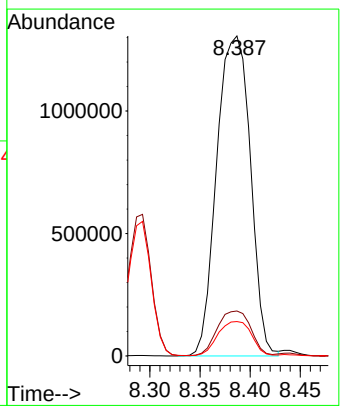
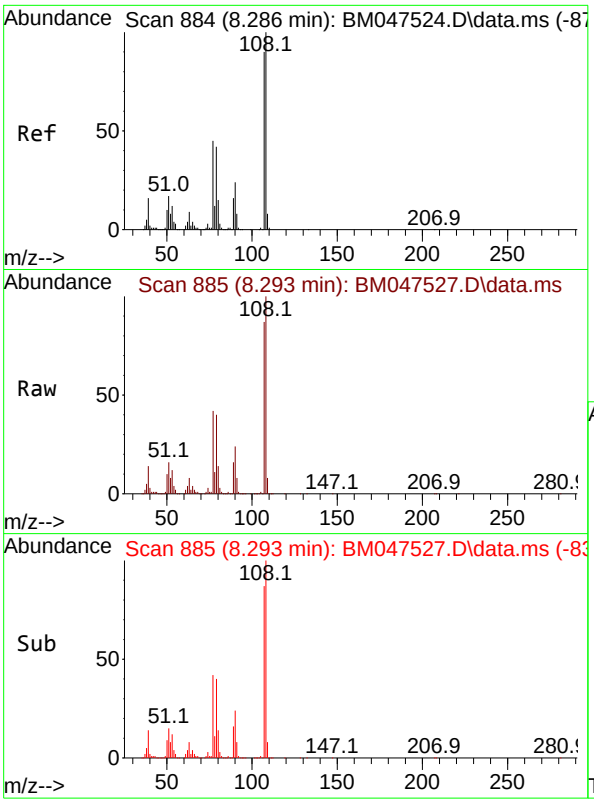


#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.492 ng
RT: 8.387 min Scan# 901
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 45 Resp: 3052483

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.7
79	10.8	0.0	30.3

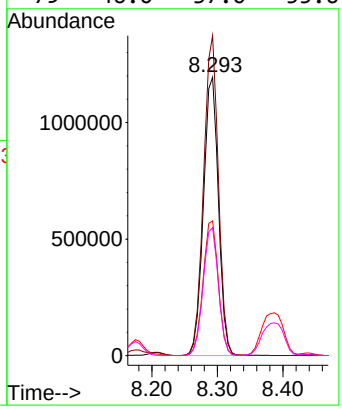




#17
2-Methylphenol
Concen: 83.218 ng
RT: 8.293 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:107 Resp: 190344

Ion	Ratio	Lower	Upper
107	100		
108	114.9	88.9	133.3
77	48.4	39.8	59.8
79	46.0	37.0	55.6



Instrument :
BNA_M
ClientSampleId :
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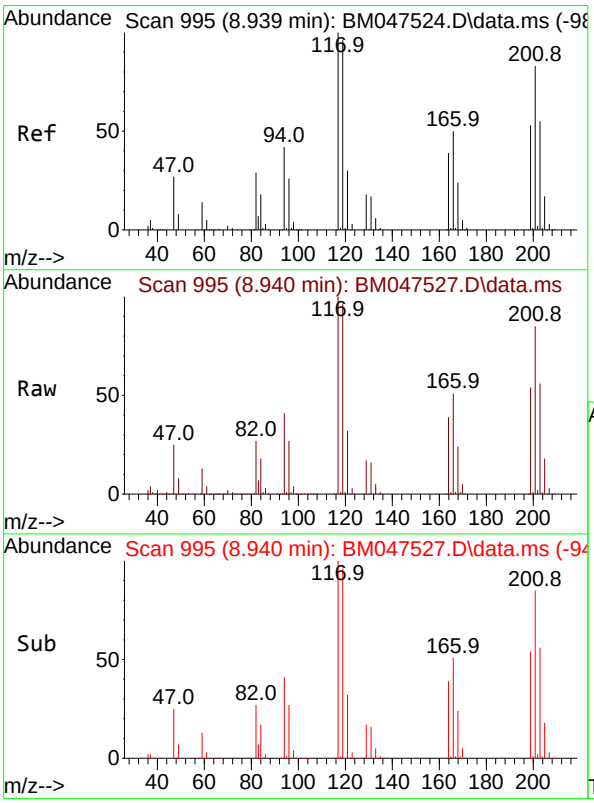
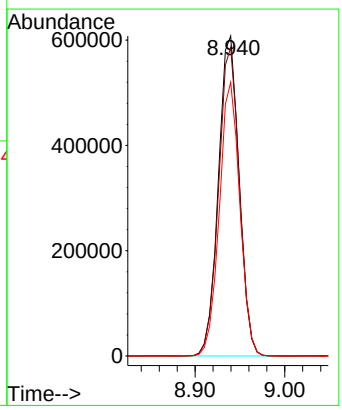
Supervised By :mohammad ahmed 09/17/2024

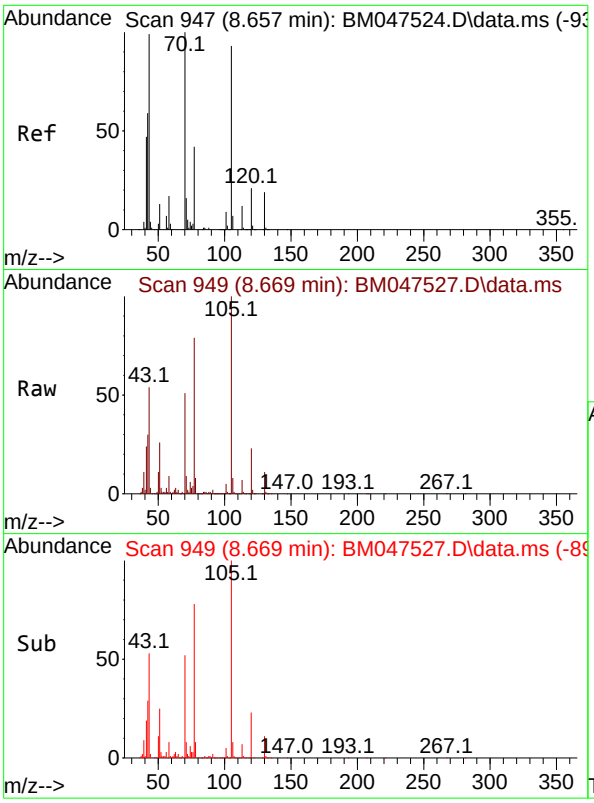


#18
Hexachloroethane
Concen: 78.443 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:117 Resp: 977874

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.0	115.4
201	85.5	66.8	100.2

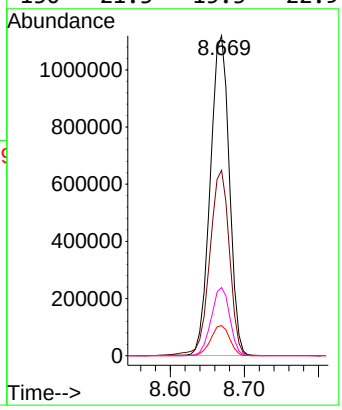




#19
n-Nitroso-di-n-propylamine
Concen: 82.637 ng
RT: 8.669 min Scan# 94
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 70 Resp: 199232

Ion	Ratio	Lower	Upper
70	100		
42	58.0	48.2	72.2
101	9.4	7.0	10.4
130	21.3	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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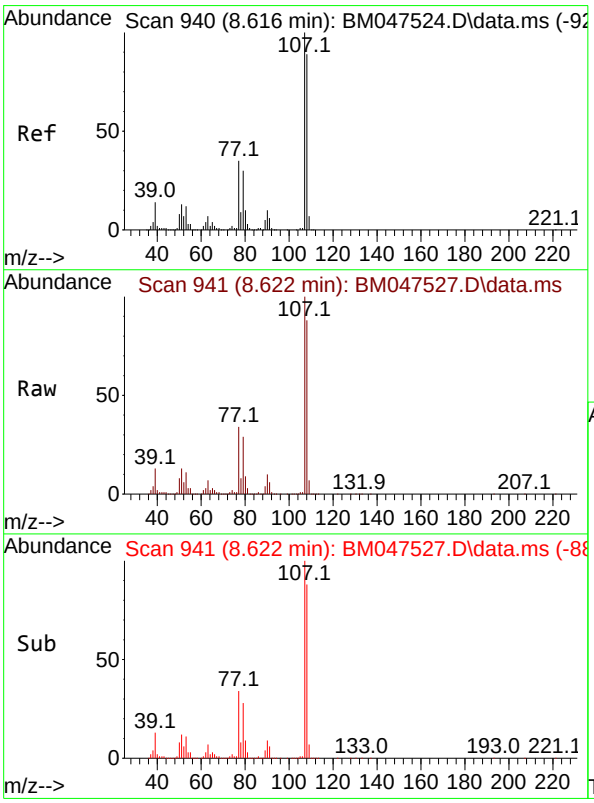
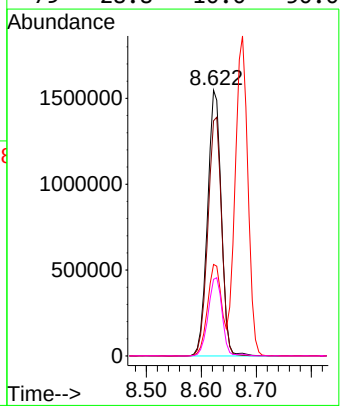
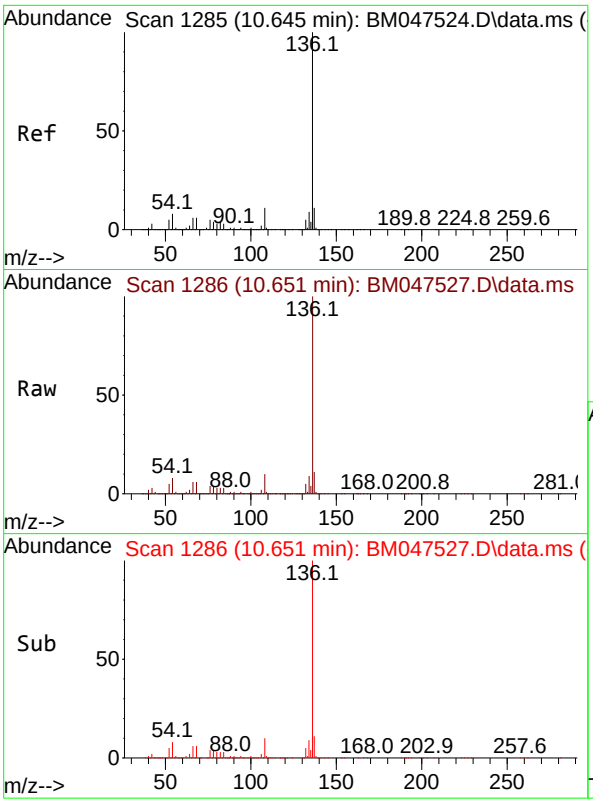


#20
3+4-Methylphenols
Concen: 84.108 ng
RT: 8.622 min Scan# 941
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:107 Resp: 2684322

Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.9	108.9
77	34.5	15.5	55.5
79	28.8	10.0	50.0

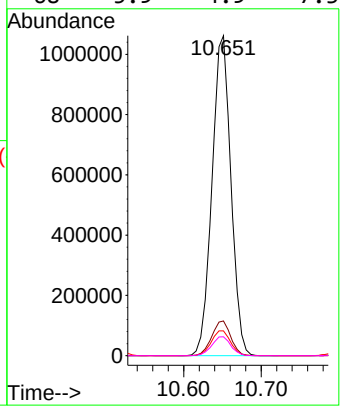




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:136 Resp: 179668

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.7	6.6	9.8
68	5.9	4.9	7.3



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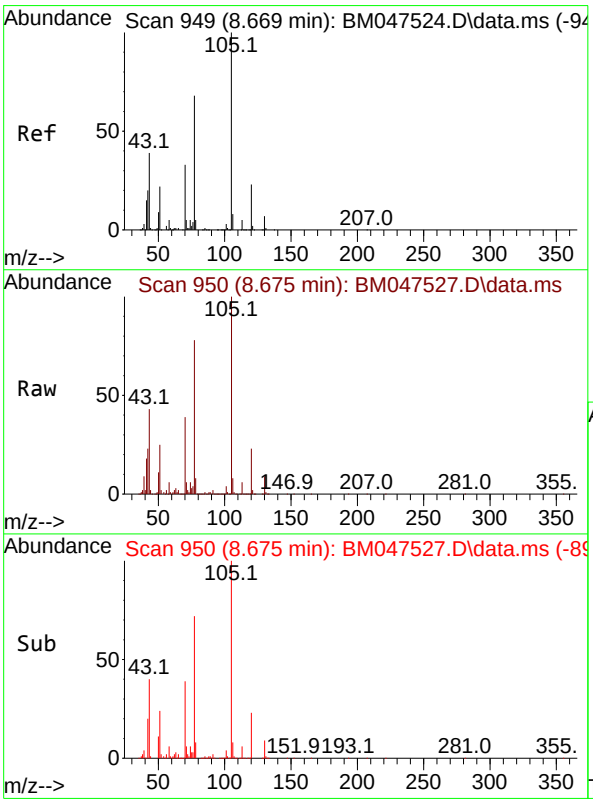
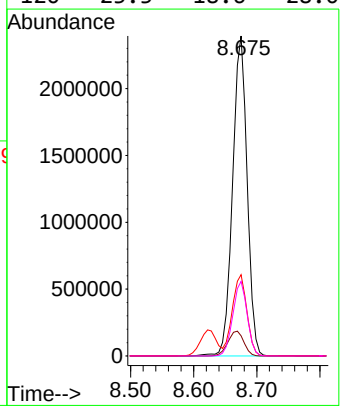
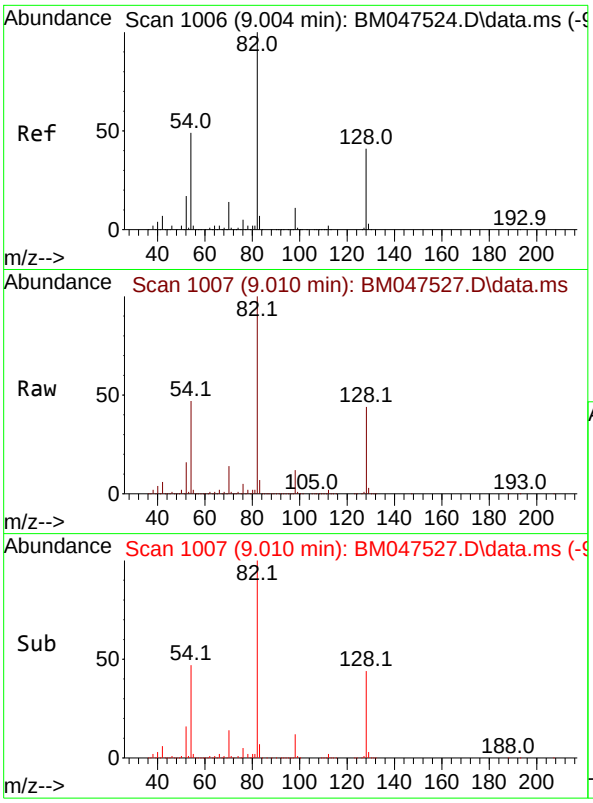


#22
Acetophenone
Concen: 80.956 ng
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:105 Resp: 3824012

Ion	Ratio	Lower	Upper
105	100		
71	6.3	4.3	6.5
51	25.4	21.5	32.3
120	23.3	18.6	28.0

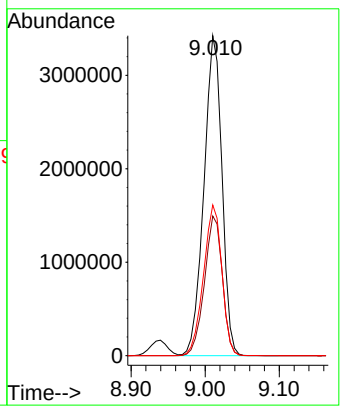




#23
Nitrobenzene-d5
Concen: 161.302 ng
RT: 9.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 82 Resp: 579086

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.0	49.4
54	47.1	39.3	58.9



Instrument :
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ClientSampleId :
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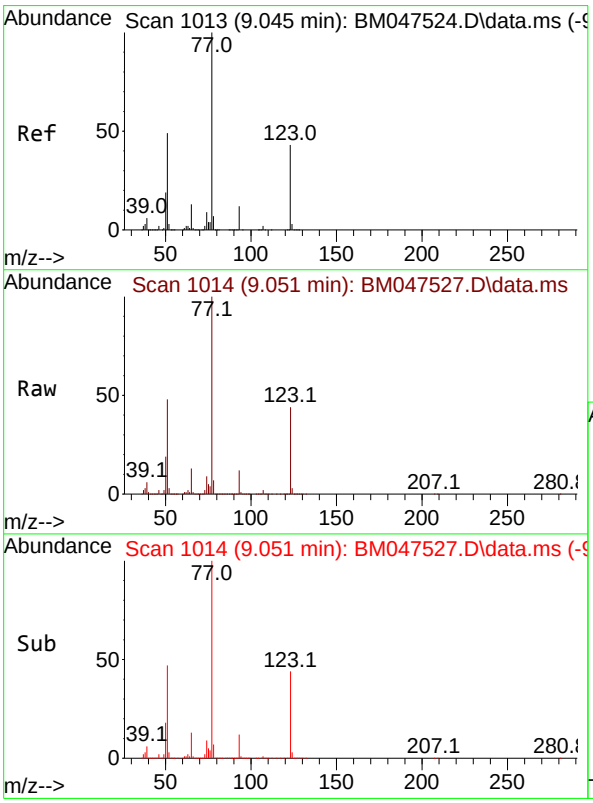
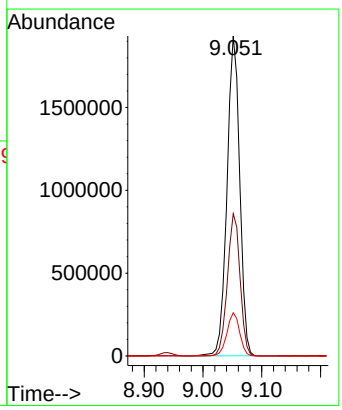
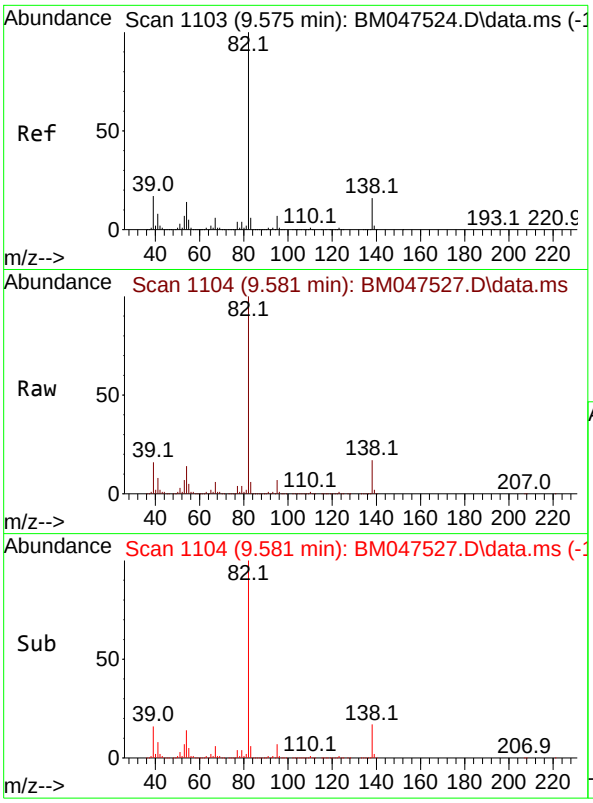


#24
Nitrobenzene
Concen: 78.400 ng
RT: 9.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 77 Resp: 2892211

Ion	Ratio	Lower	Upper
77	100		
123	44.5	34.5	51.7
65	13.5	10.7	16.1

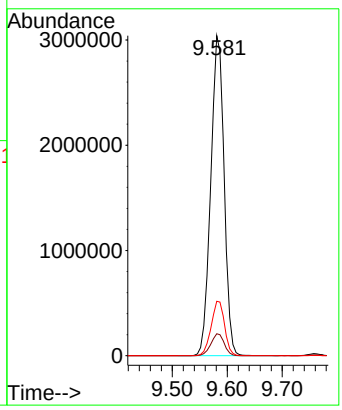




#25
Isophorone
Concen: 81.564 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 82 Resp: 514789

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.0
138	17.0	12.9	19.3



Instrument :
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ClientSampleId :
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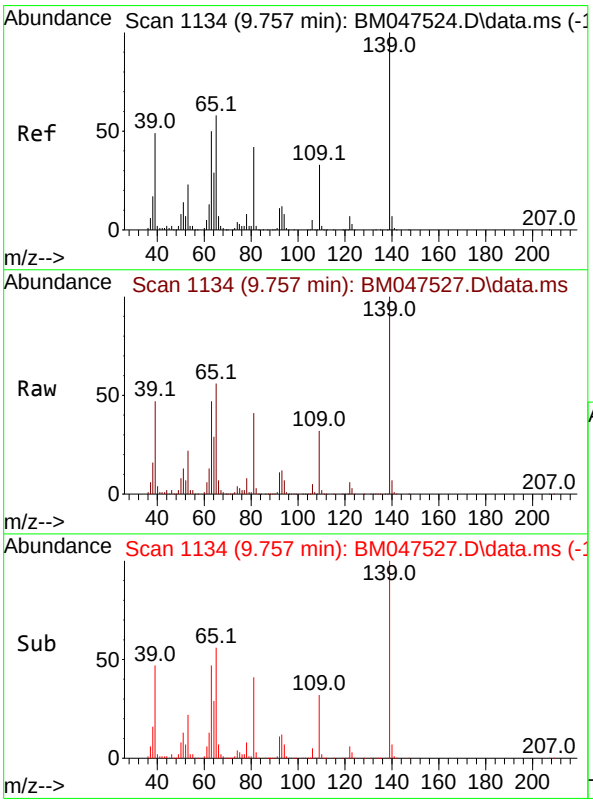
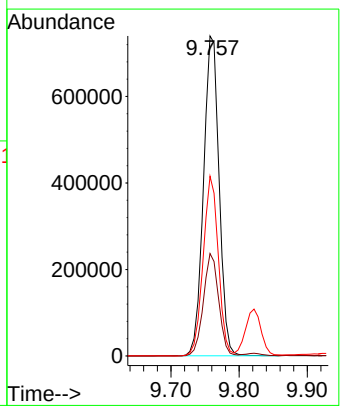
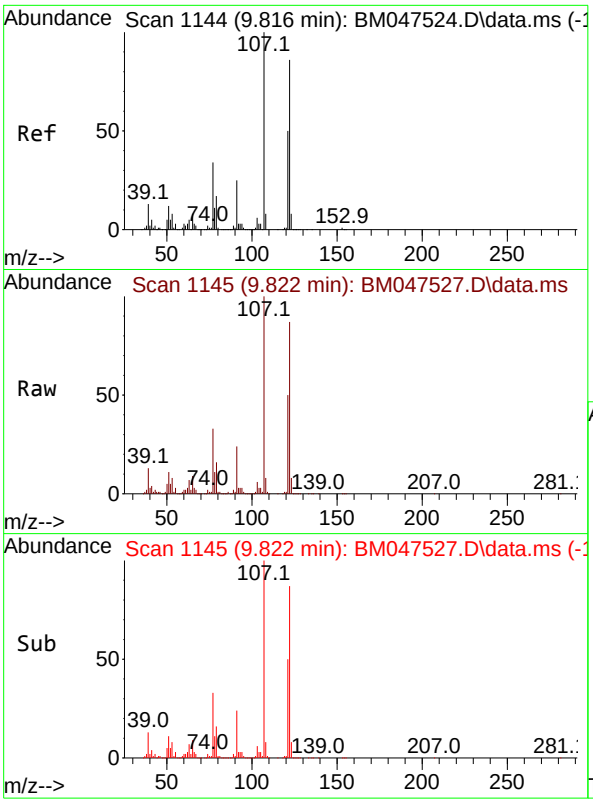


#26
2-Nitrophenol
Concen: 93.728 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:139 Resp: 1178242

Ion	Ratio	Lower	Upper
139	100		
109	32.0	26.0	39.0
65	56.2	46.2	69.4

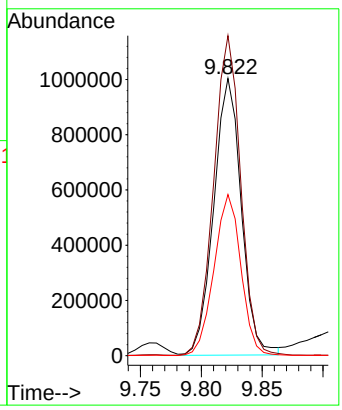




#27
2,4-Dimethylphenol
Concen: 82.915 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:122 Resp: 158002

Ion	Ratio	Lower	Upper
122	100		
107	115.4	92.4	138.6
121	58.1	46.2	69.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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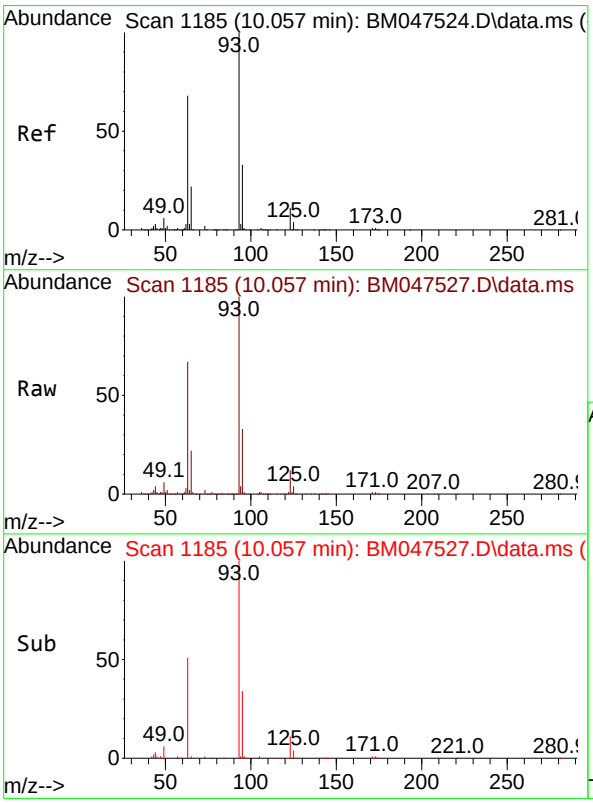
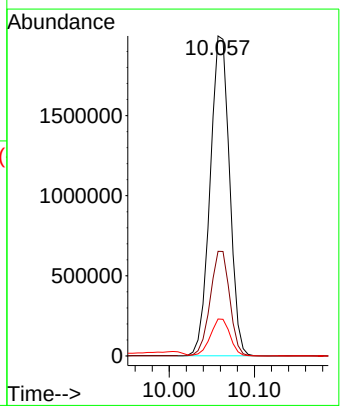
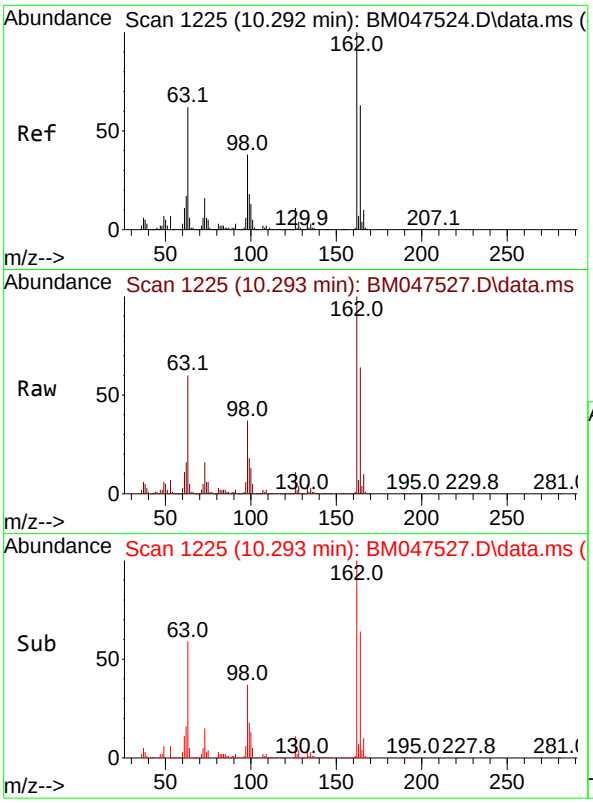


#28
bis(2-Chloroethoxy)methane
Concen: 79.689 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 93 Resp: 3159251

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	11.5	9.2	13.8

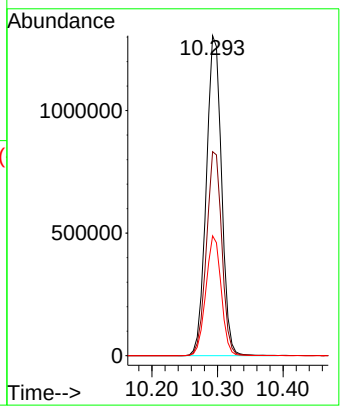




#29
2,4-Dichlorophenol
Concen: 87.588 ng
RT: 10.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:162 Resp: 212052

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.5	83.5
98	37.5	17.6	57.6



Instrument :
BNA_M
ClientSampleId :
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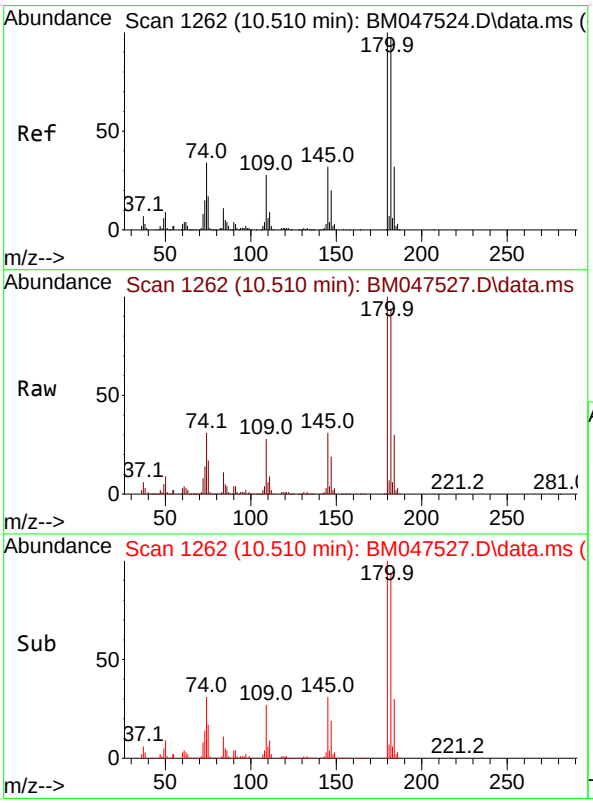
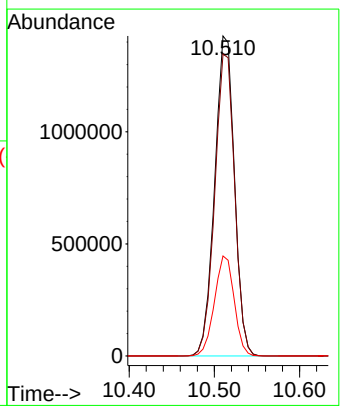
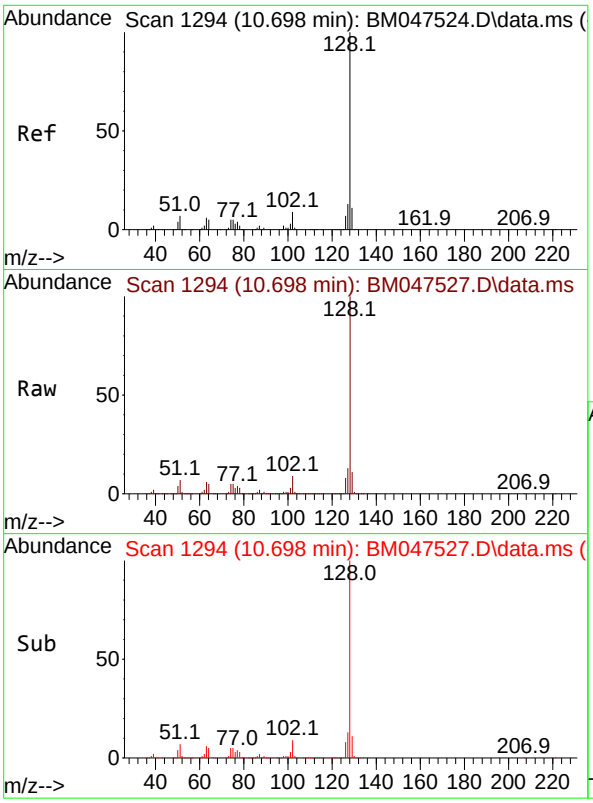


#30
1,2,4-Trichlorobenzene
Concen: 82.914 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:180 Resp: 2299410

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.6	116.4
145	31.2	25.4	38.0

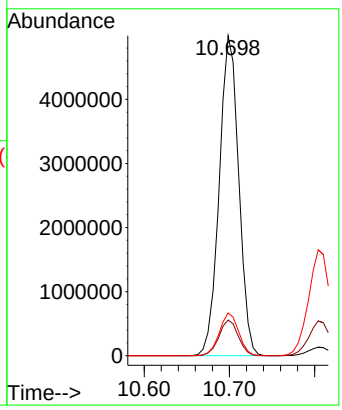




#31
Naphthalene
Concen: 81.739 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:128 Resp: 793155

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.3	10.5	15.7



Instrument :
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ClientSampleId :
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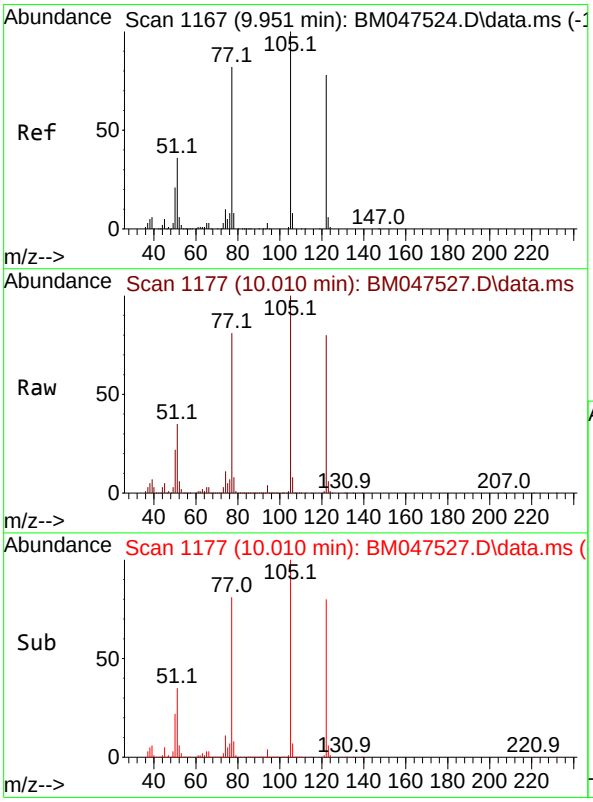
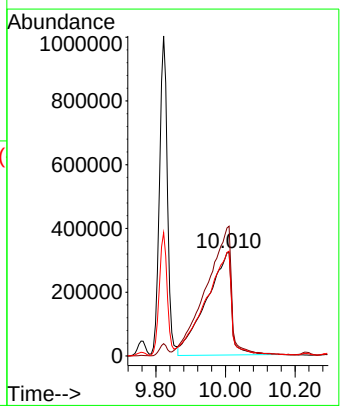
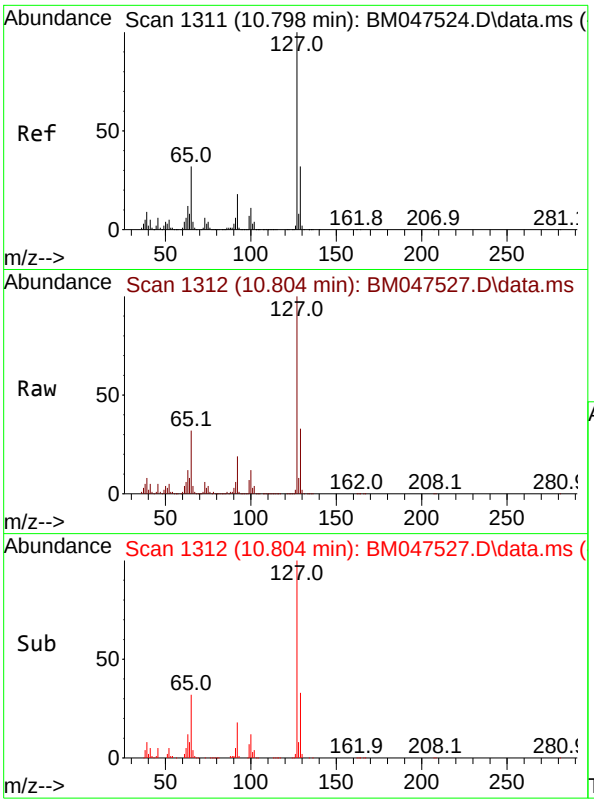


#32
Benzoic acid
Concen: 81.568 ng
RT: 10.010 min Scan# 1177
Delta R.T. 0.059 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:122 Resp: 1633674

Ion	Ratio	Lower	Upper
122	100		
105	125.6	104.7	144.7
77	101.5	83.4	123.4

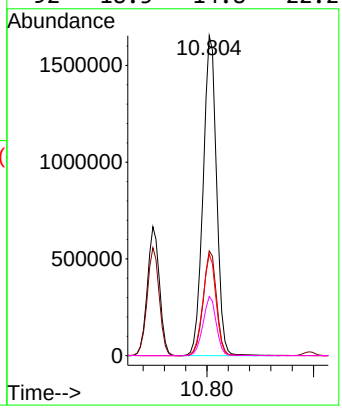




#33
4-Chloroaniline
Concen: 82.527 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:127 Resp: 289533

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.4	38.0
65	31.7	25.5	38.3
92	18.5	14.8	22.2



Instrument :
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ClientSampleId :
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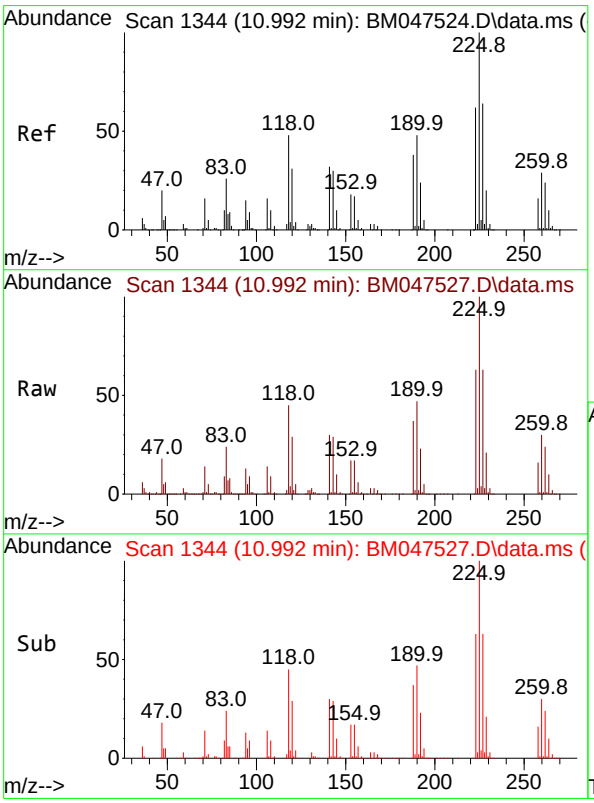
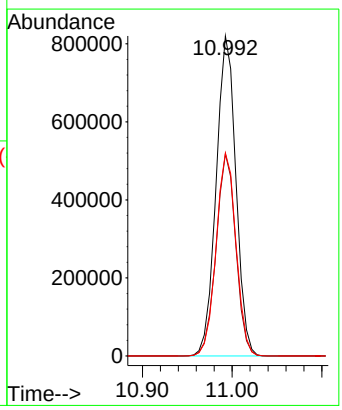
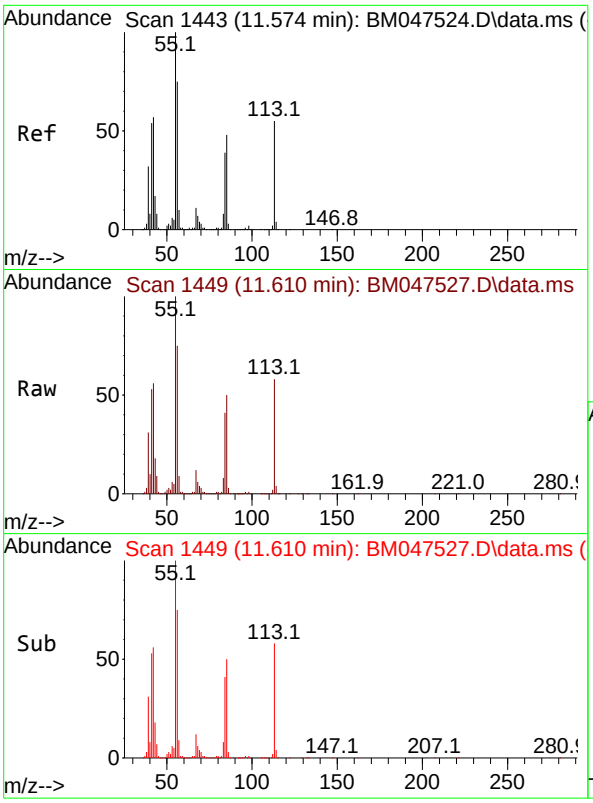


#34
Hexachlorobutadiene
Concen: 81.599 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:225 Resp: 1253407

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.6
227	63.4	51.0	76.4

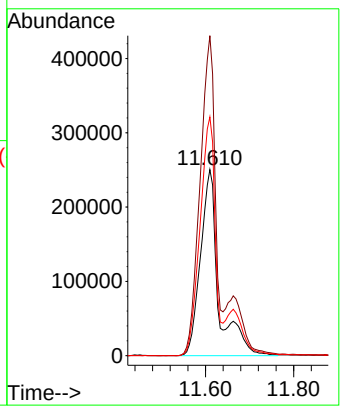




#35
Caprolactam
Concen: 89.483 ng m
RT: 11.610 min Scan# 14
Delta R.T. 0.036 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:113 Resp: 71361

Ion	Ratio	Lower	Upper
113	100		
55	172.0	162.5	202.5
56	128.4	116.5	156.5



Instrument :
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ClientSampleId :
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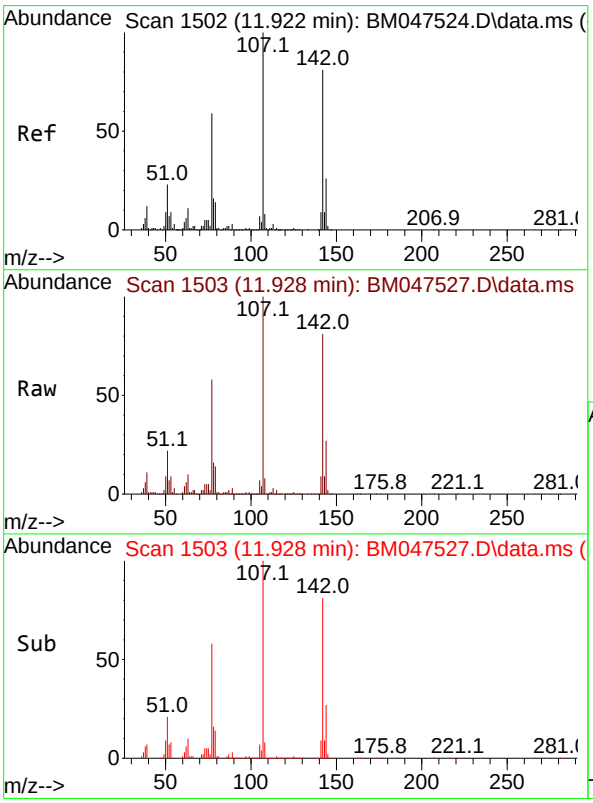
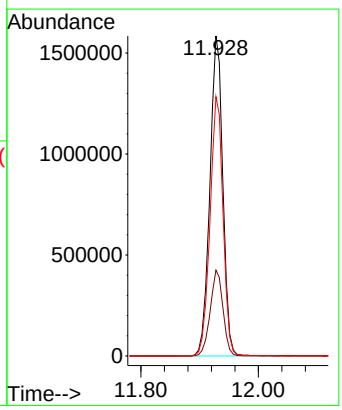
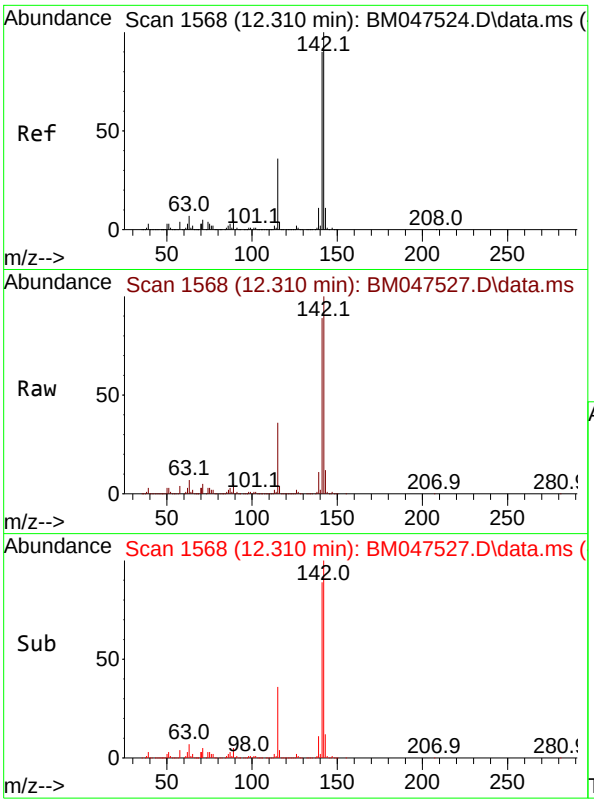


#36
4-Chloro-3-methylphenol
Concen: 87.301 ng
RT: 11.928 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:107 Resp: 2422201

Ion	Ratio	Lower	Upper
107	100		
144	26.8	20.5	30.7
142	81.0	65.0	97.4

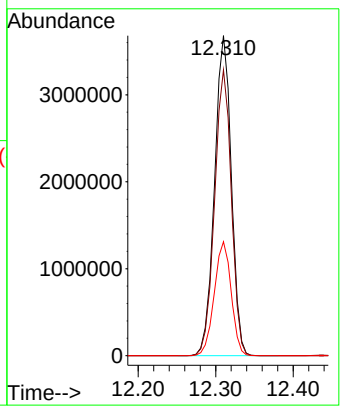




#37
2-Methylnaphthalene
Concen: 85.681 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:142 Resp: 553461

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.2	108.4
115	35.6	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
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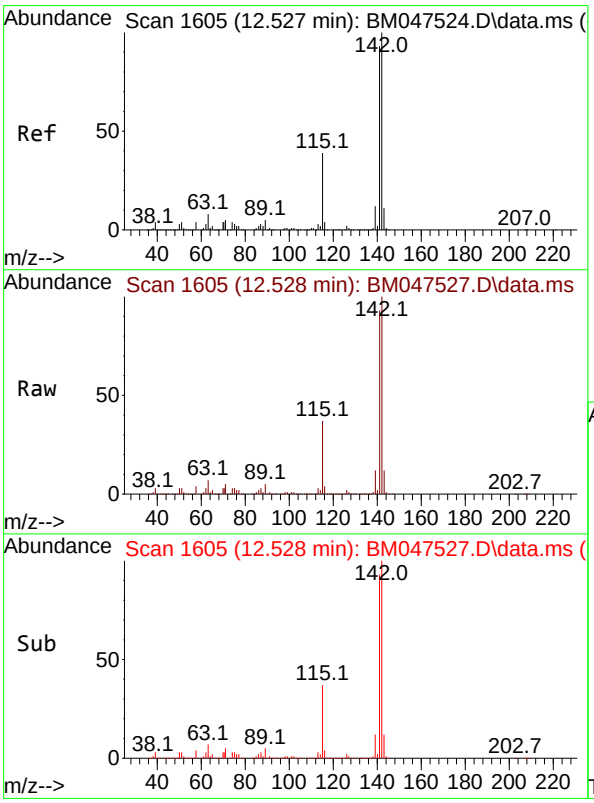
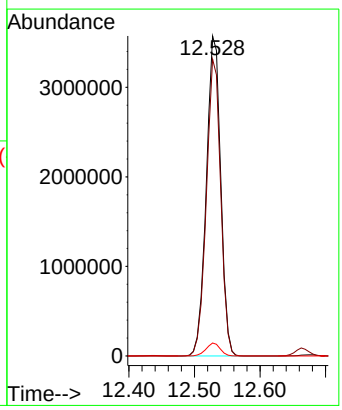
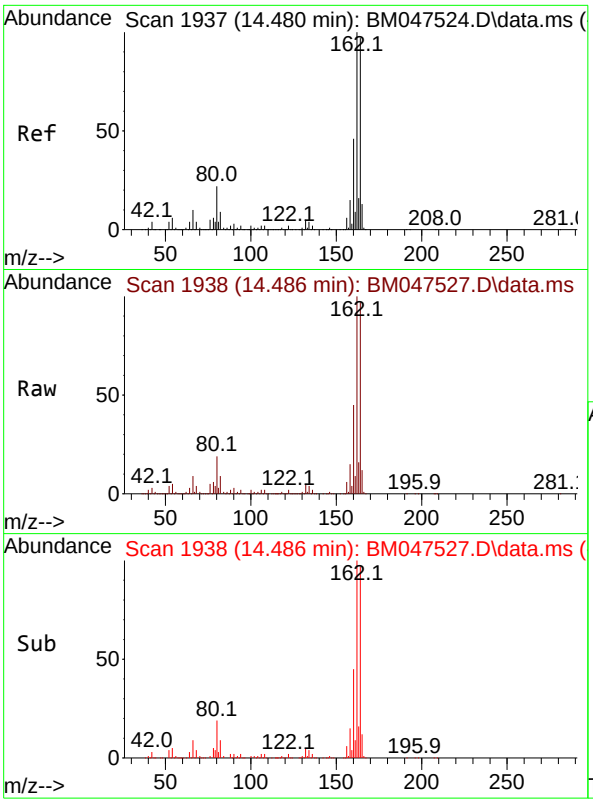


#38
1-Methylnaphthalene
Concen: 85.045 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:142 Resp: 5458215

Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.7	112.1
116	4.0	3.2	4.8

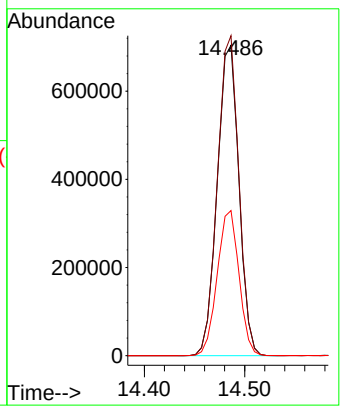




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:164 Resp: 105776

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.2
160	46.8	38.2	57.2



Instrument :
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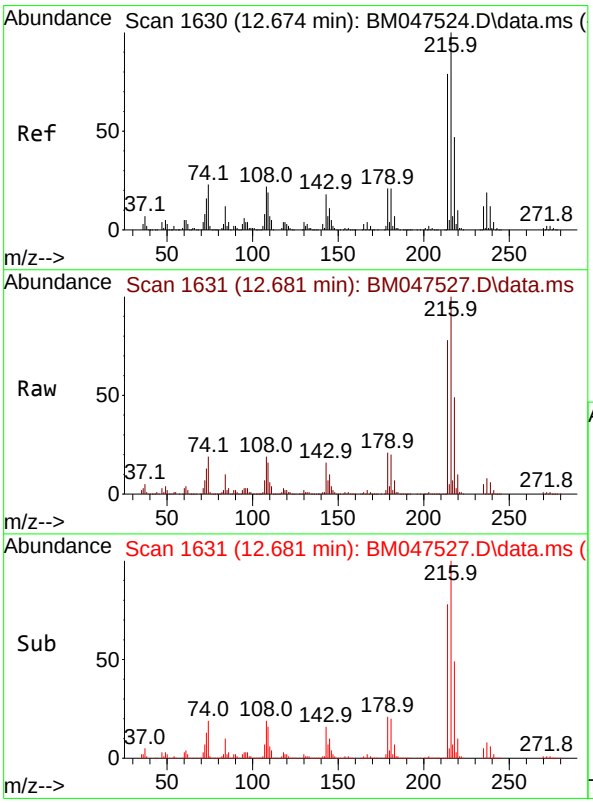
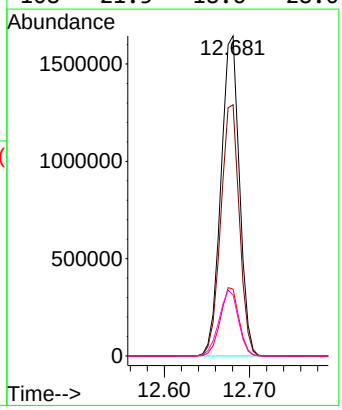
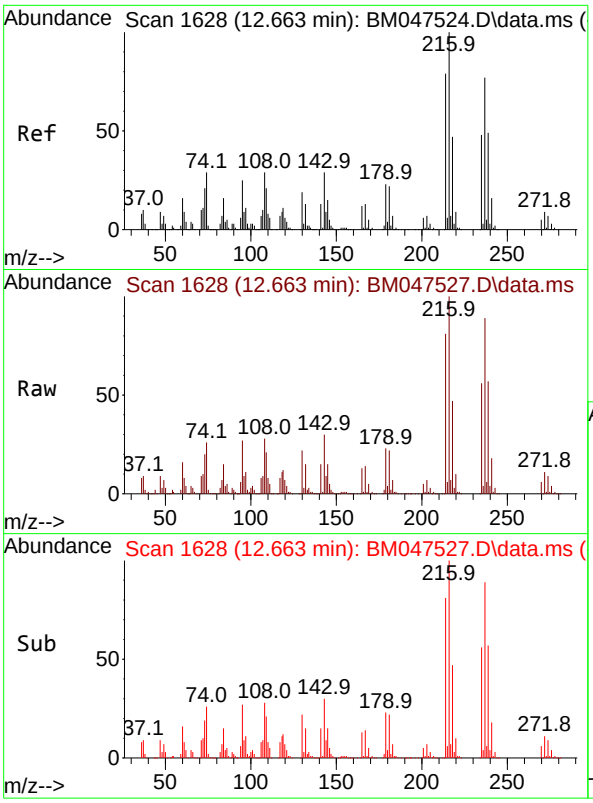


#40
1,2,4,5-Tetrachlorobenzene
Concen: 86.585 ng
RT: 12.681 min Scan# 1631
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:216 Resp: 2478282

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	21.4	17.5	26.3
108	21.5	18.6	28.0





#41
Hexachlorocyclopentadiene
Concen: 82.067 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:237 Resp: 76789

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.0	82.0
272	12.4	0.0	31.5

Instrument :
BNA_M
ClientSampleId :
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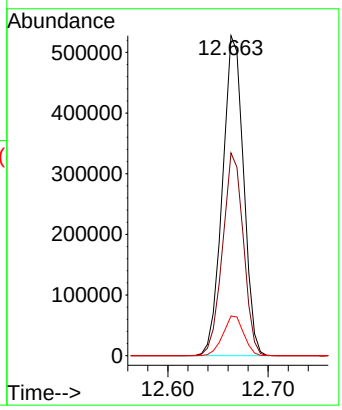
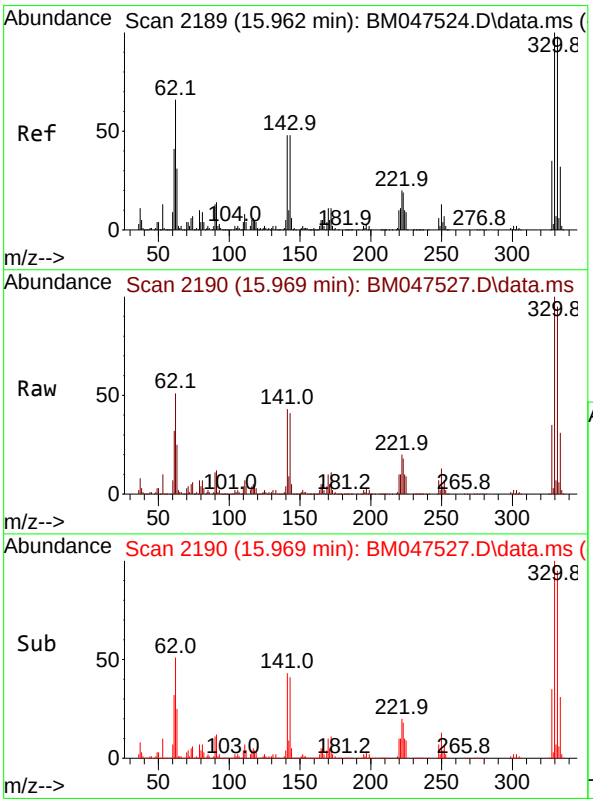
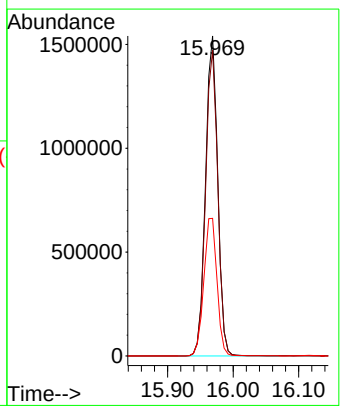


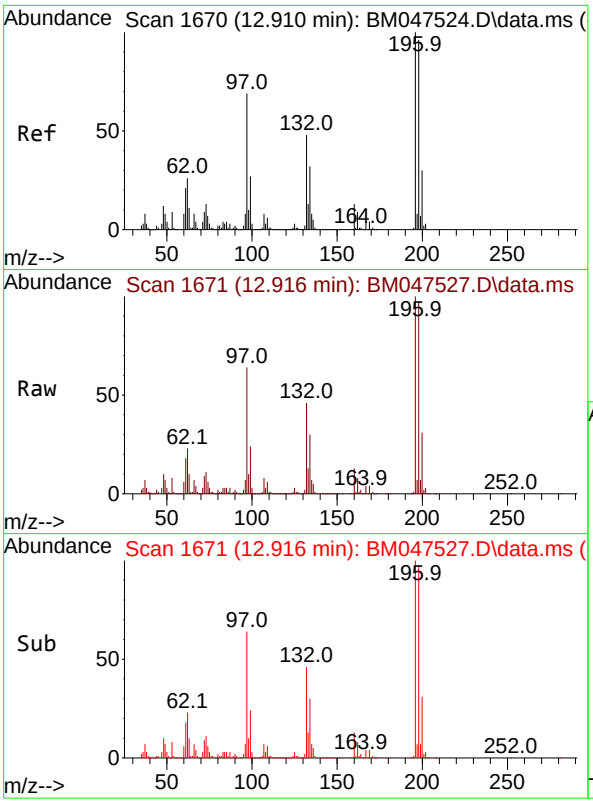


#42
2,4,6-Tribromophenol
Concen: 195.553 ng
RT: 15.969 min Scan# 2190
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:330 Resp: 1999370

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	46.5	42.2	63.2

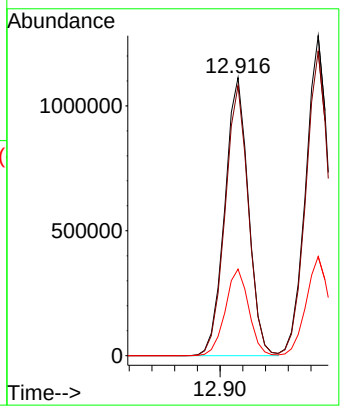




#43
2,4,6-Trichlorophenol
Concen: 89.682 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:196 Resp: 160815

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.9	115.3
200	31.1	24.3	36.5



Instrument :
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ClientSampleId :
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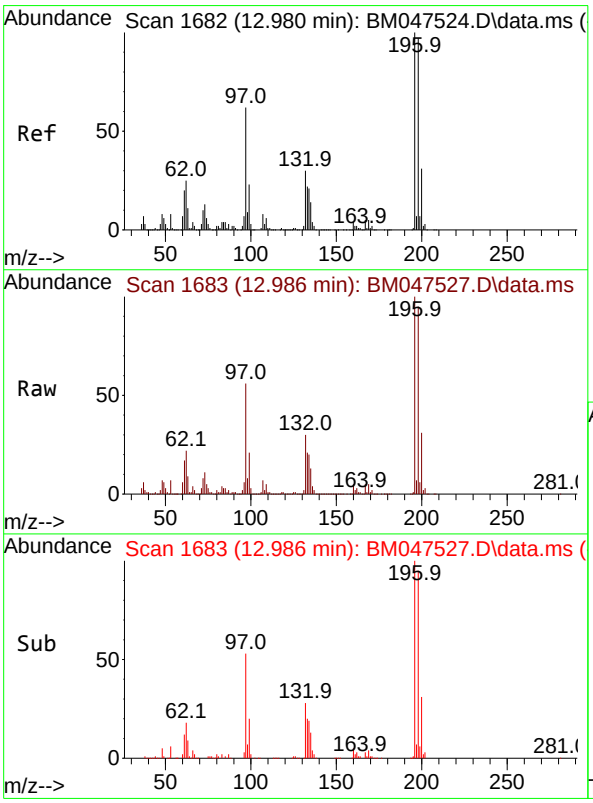
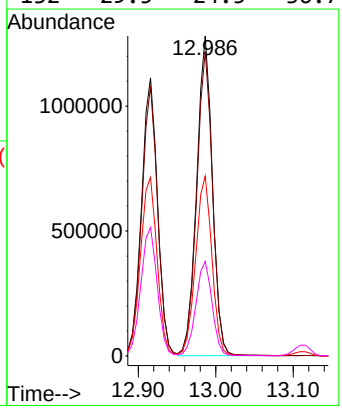
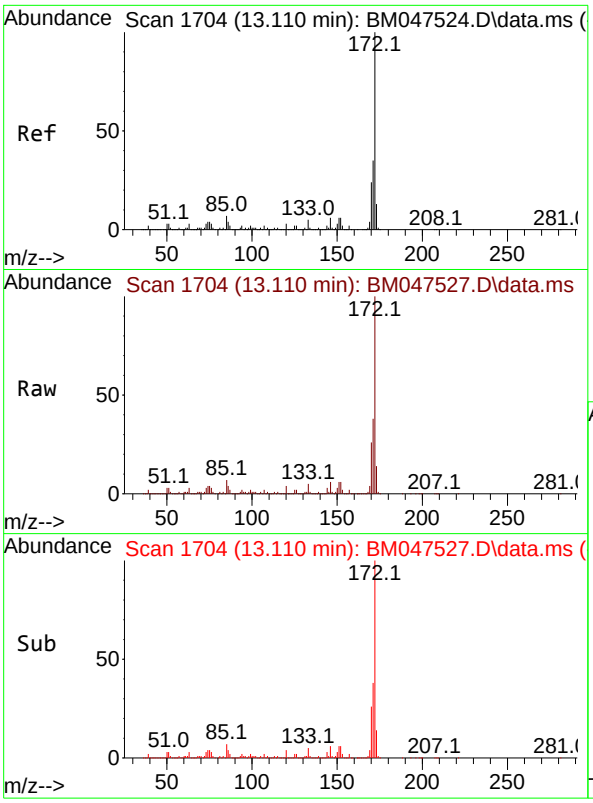


#44
2,4,5-Trichlorophenol
Concen: 89.254 ng
RT: 12.986 min Scan# 1683
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:196 Resp: 1807737

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.4	116.2
97	56.2	49.8	74.8
132	29.5	24.5	36.7

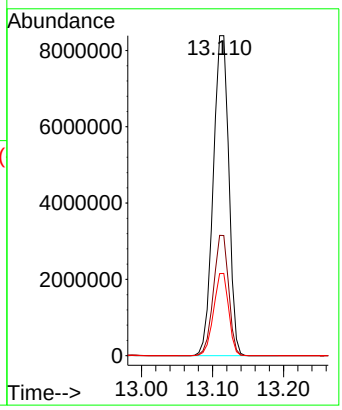




#45
2-Fluorobiphenyl
Concen: 166.014 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:172 Resp:1274774

Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.2	42.2
170	25.7	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
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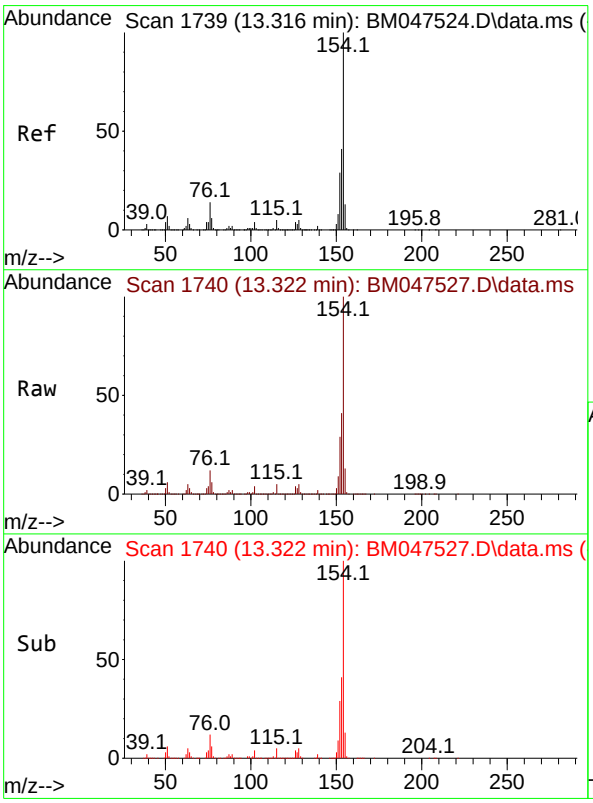
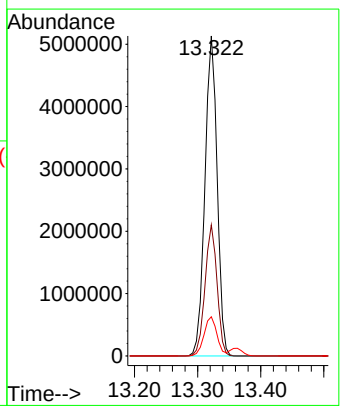
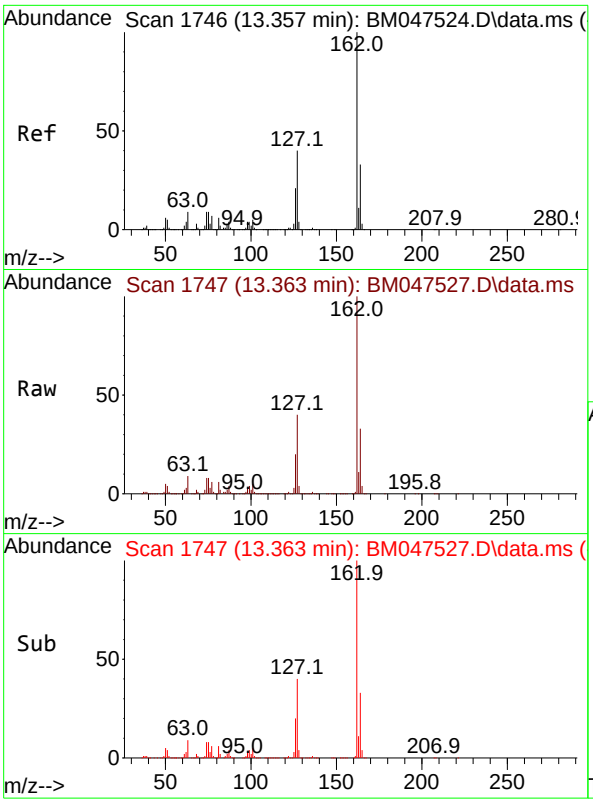


#46
1,1'-Biphenyl
Concen: 83.841 ng
RT: 13.322 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:154 Resp: 6900085

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.6	60.6
76	12.3	0.0	33.9

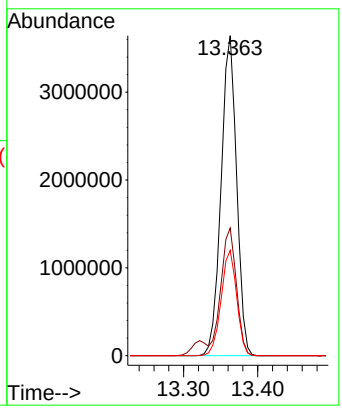




#47
2-Chloronaphthalene
Concen: 82.926 ng
RT: 13.363 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:162 Resp: 529932

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.2	48.4
164	32.9	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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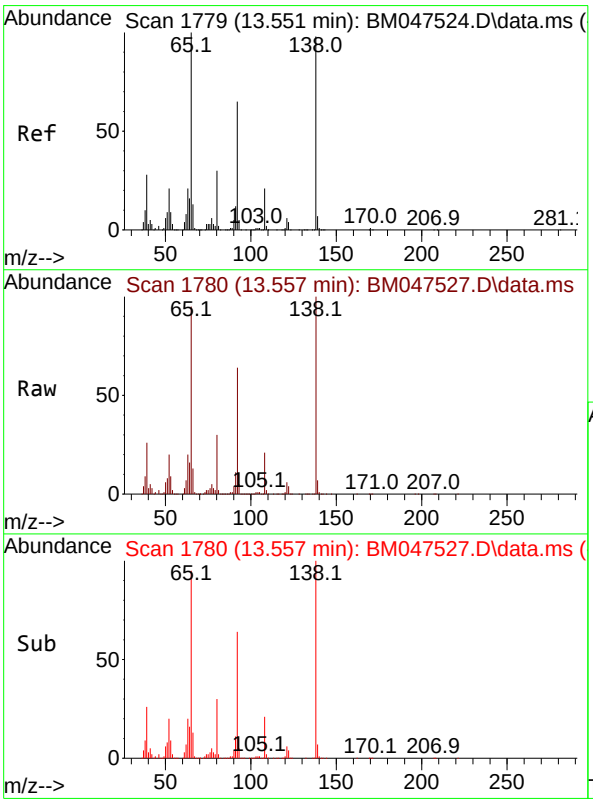
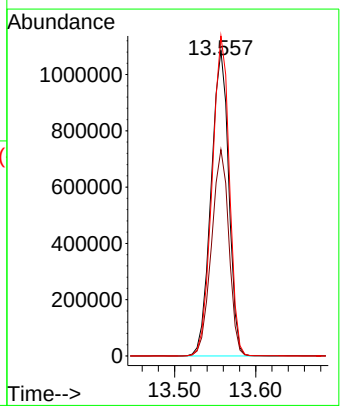
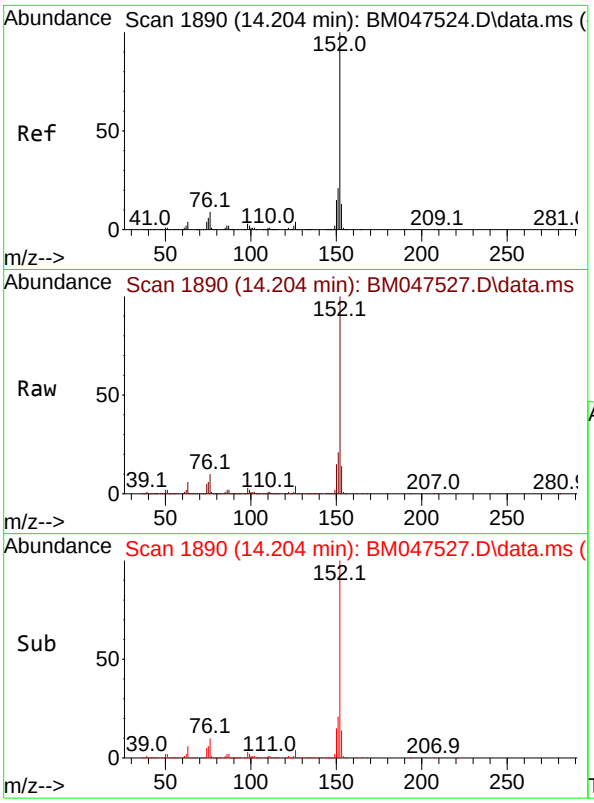


#48
2-Nitroaniline
Concen: 87.177 ng
RT: 13.557 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 65 Resp: 1636291

Ion	Ratio	Lower	Upper
65	100		
92	67.5	51.9	77.9
138	104.7	78.5	117.7

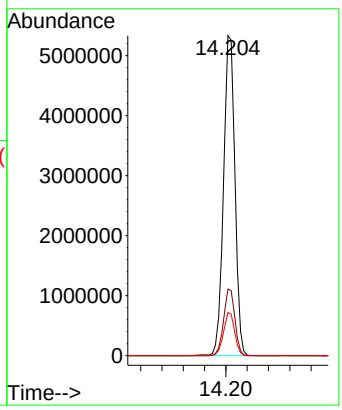




#49
Acenaphthylene
Concen: 85.694 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:152 Resp: 790252

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.5	24.7
153	13.5	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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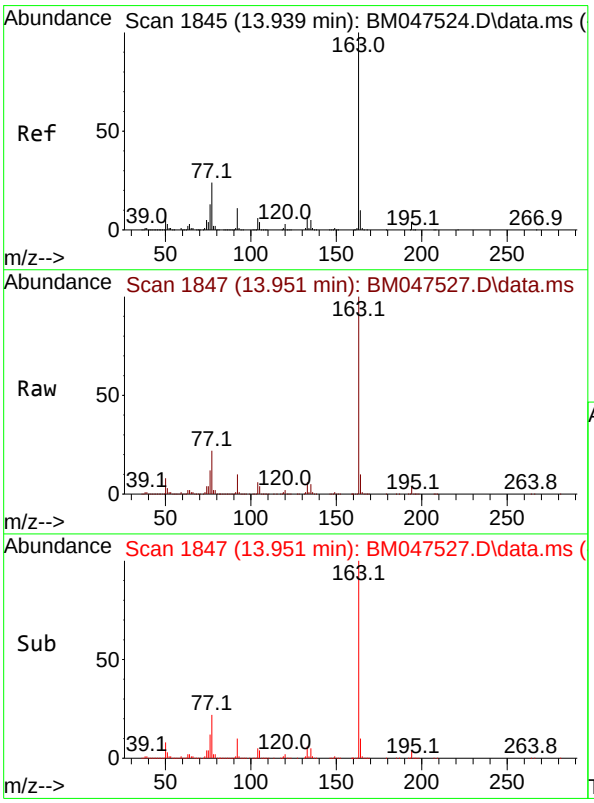
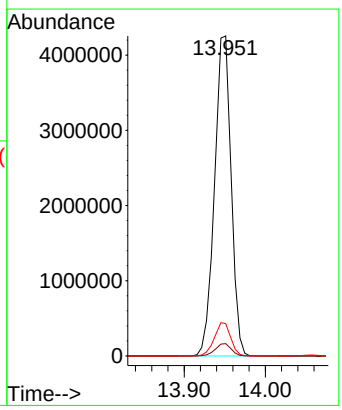
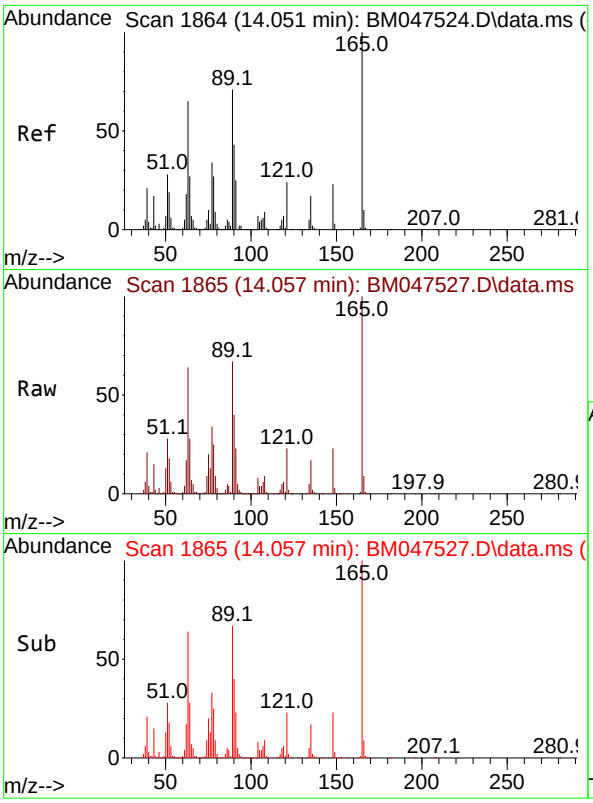


#50
Dimethylphthalate
Concen: 83.970 ng
RT: 13.951 min Scan# 1847
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:163 Resp: 6053832

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	10.1	7.9	11.9

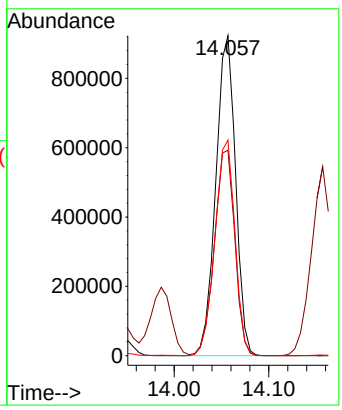




#51
2,6-Dinitrotoluene
Concen: 88.032 ng
RT: 14.057 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:165 Resp: 133980

Ion	Ratio	Lower	Upper
165	100		
63	64.2	54.2	81.2
89	67.3	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
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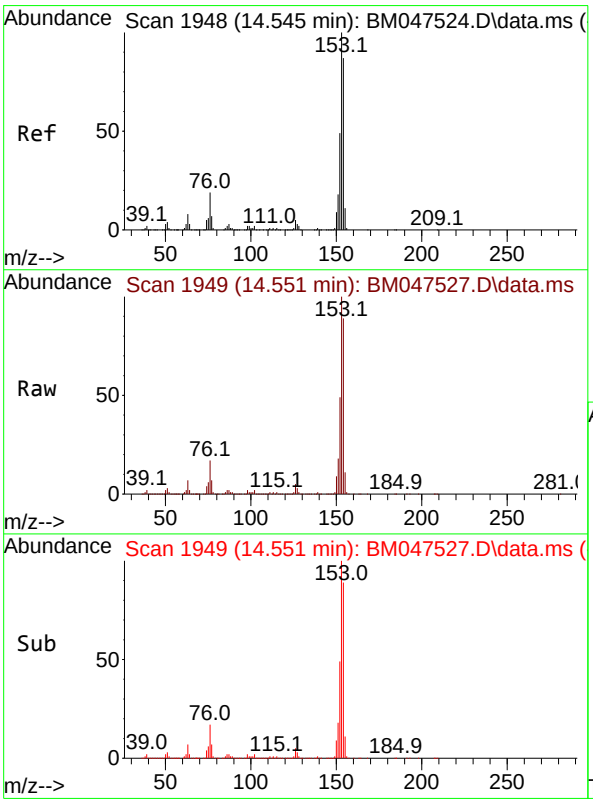
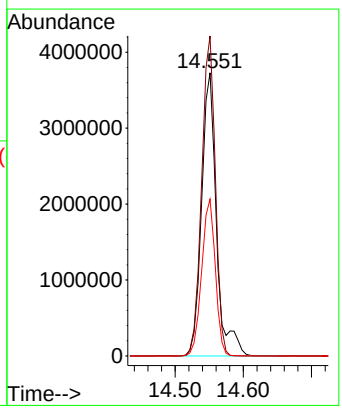
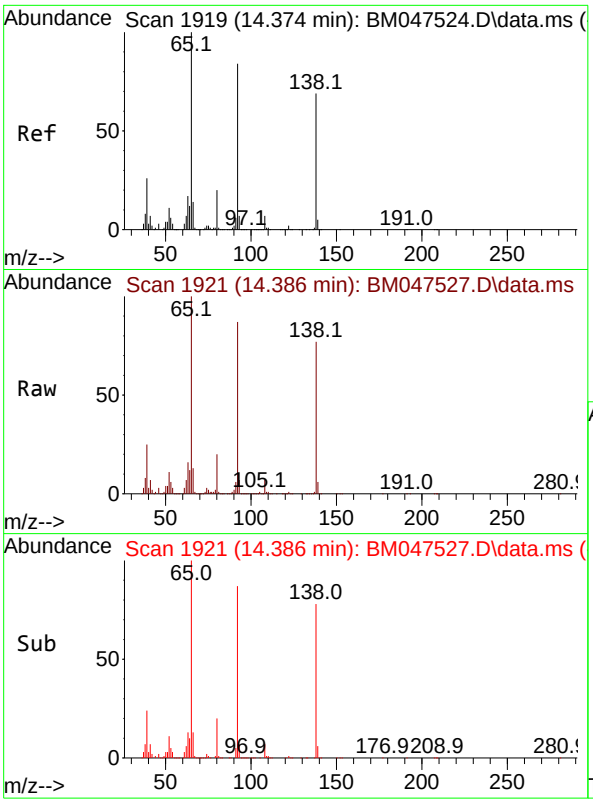


#52
Acenaphthene
Concen: 87.391 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:154 Resp: 5646673

Ion	Ratio	Lower	Upper
154	100		
153	113.0	92.2	138.2
152	55.4	45.4	68.0

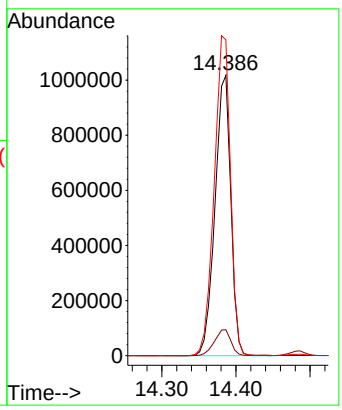




#53
3-Nitroaniline
Concen: 89.143 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:138 Resp: 150799

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.0	12.0
92	112.7	97.4	146.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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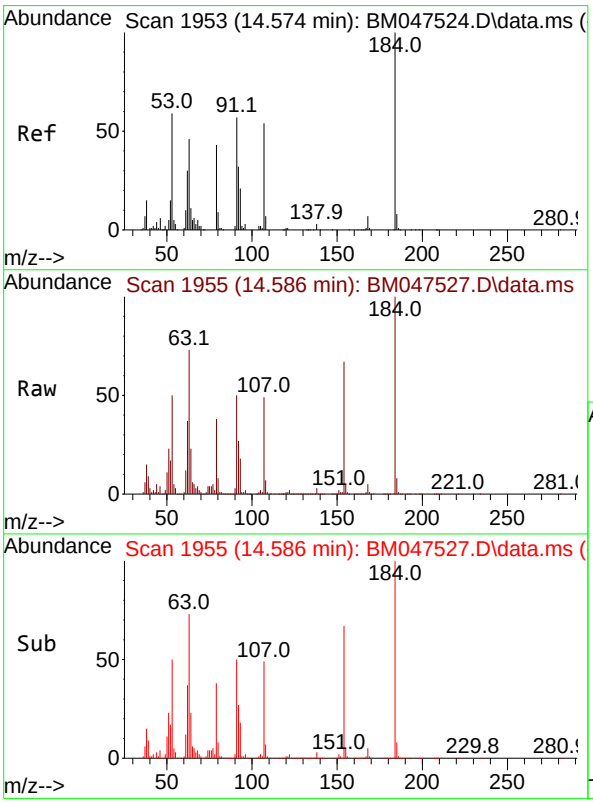
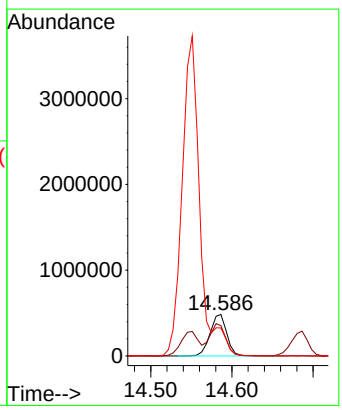
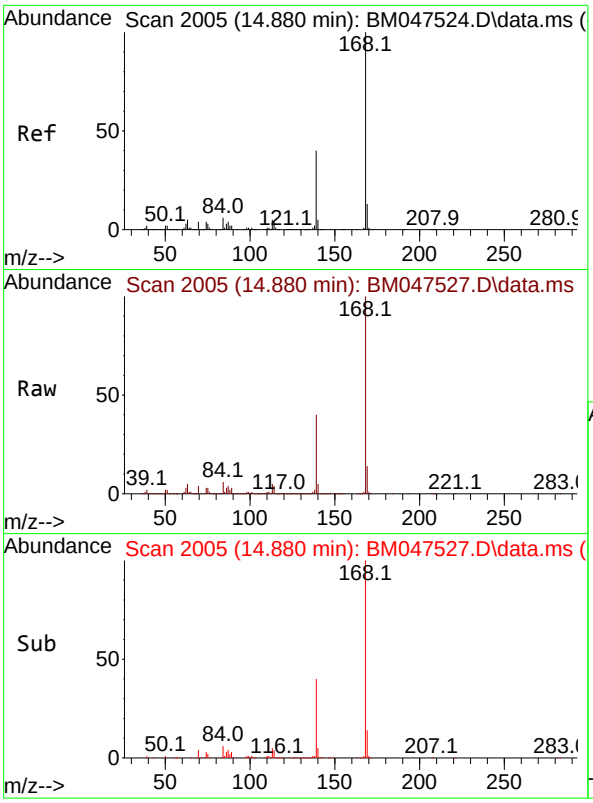


#54
2,4-Dinitrophenol
Concen: 80.155 ng
RT: 14.586 min Scan# 1955
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:184 Resp: 687253

Ion	Ratio	Lower	Upper
184	100		
63	73.0	69.4	104.0
154	67.5	60.4	90.6

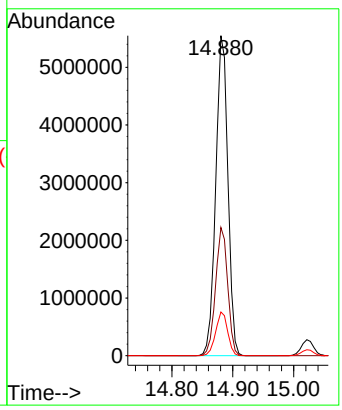




#55
Dibenzofuran
Concen: 84.345 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:168 Resp: 765828

Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.9	47.9
169	13.7	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
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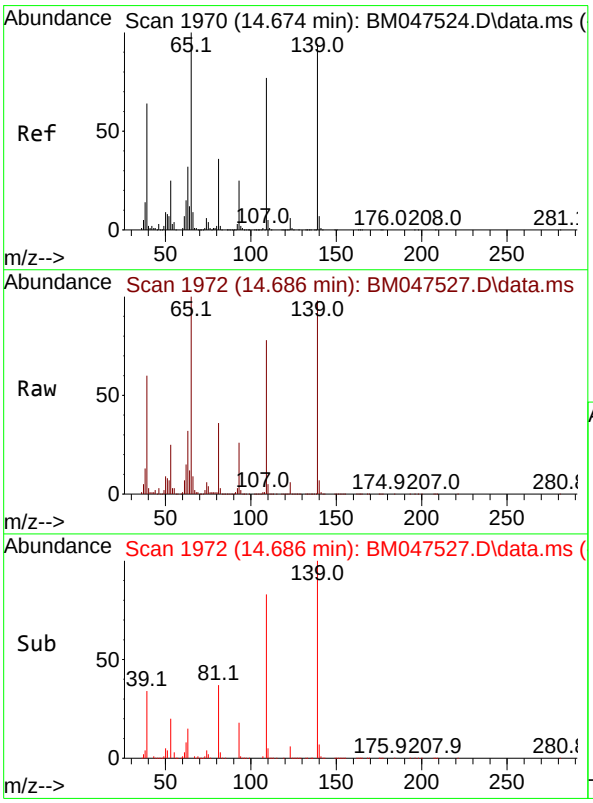
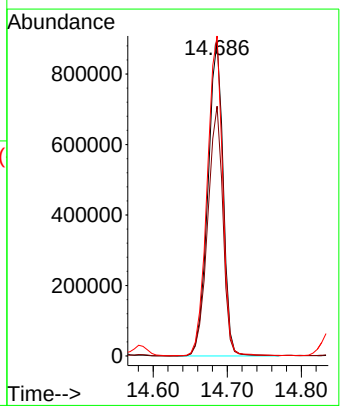
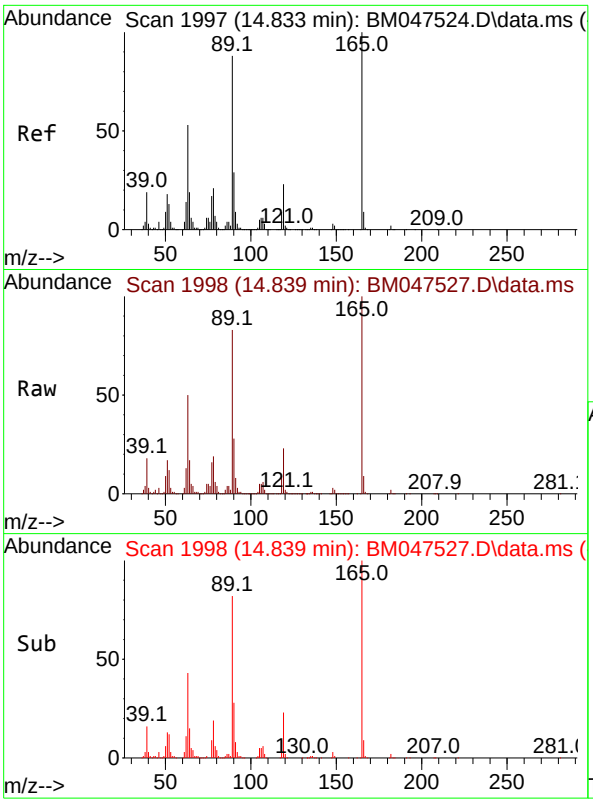


#56
4-Nitrophenol
Concen: 91.631 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:139 Resp: 1275528

Ion	Ratio	Lower	Upper
139	100		
109	79.3	62.0	102.0
65	101.6	87.0	127.0

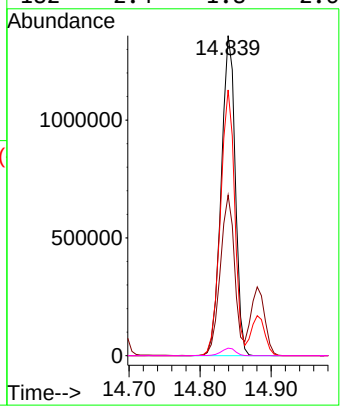




#57
2,4-Dinitrotoluene
Concen: 91.750 ng
RT: 14.839 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:165 Resp: 186234

Ion	Ratio	Lower	Upper
165	100		
63	50.2	42.4	63.6
89	83.0	70.5	105.7
182	2.4	1.8	2.6



Instrument :
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ClientSampleId :
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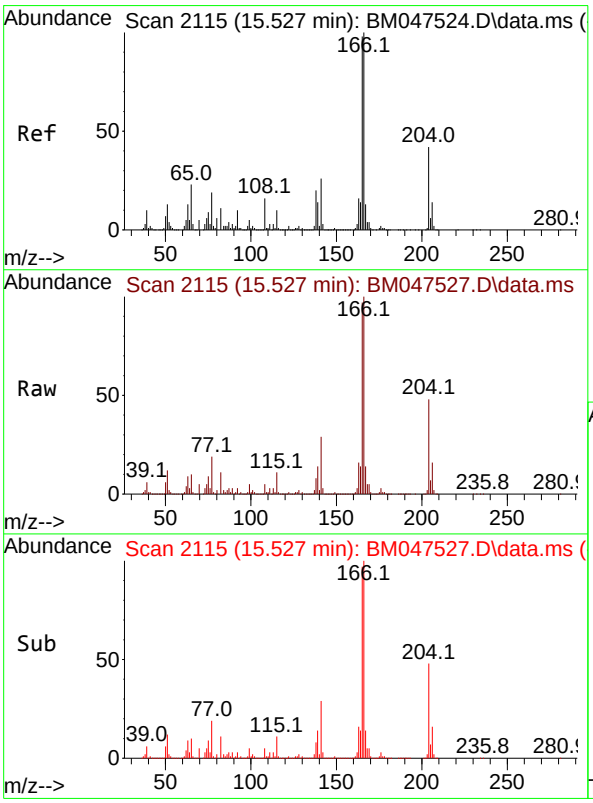
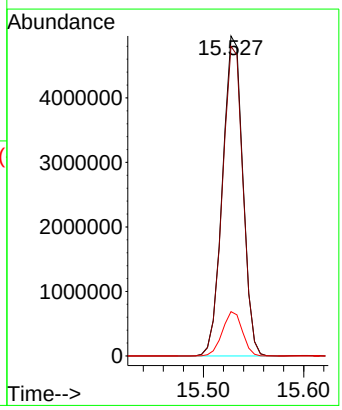
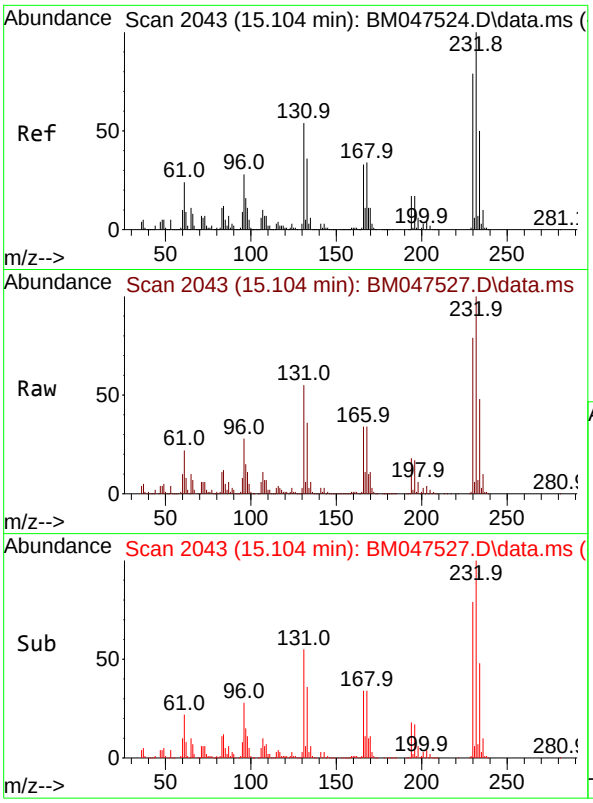


#58
Fluorene
Concen: 85.121 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:166 Resp: 6958364

Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.6	117.8
167	13.8	10.7	16.1

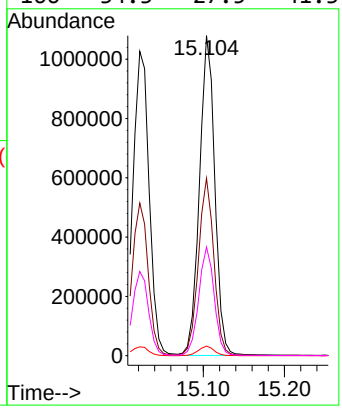




#59
2,3,4,6-Tetrachlorophenol
Concen: 89.803 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:232 Resp: 141810

Ion	Ratio	Lower	Upper
232	100		
131	56.0	47.0	70.4
130	3.1	2.6	3.8
166	34.3	27.5	41.3



Instrument :
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ClientSampleId :
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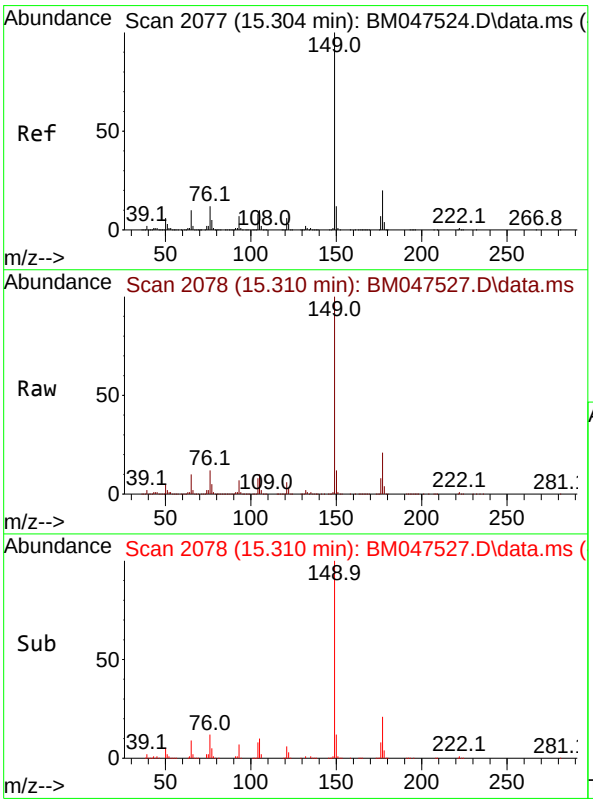
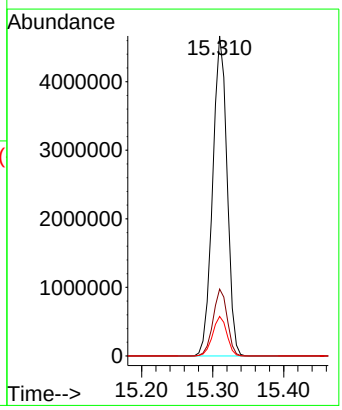
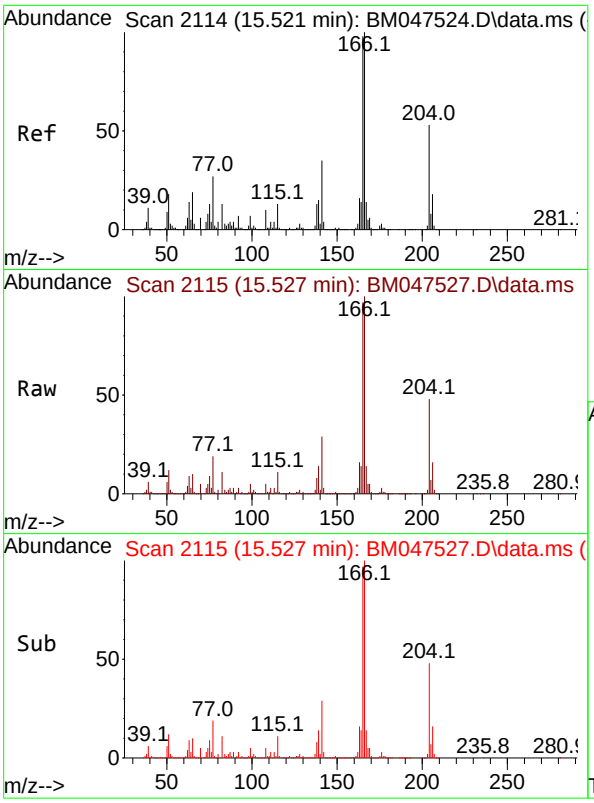


#60
Diethylphthalate
Concen: 85.346 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp: 6548466

Ion	Ratio	Lower	Upper
149	100		
177	20.9	15.8	23.8
150	12.4	9.7	14.5

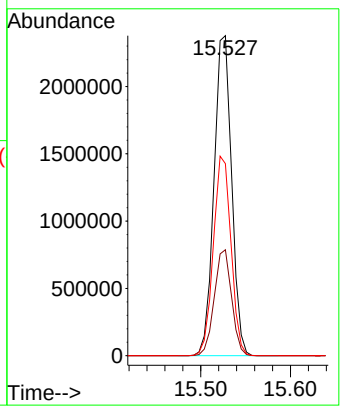




#61
4-Chlorophenyl-phenylether
Concen: 86.689 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:204 Resp: 324023

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	60.0	52.1	78.1



Instrument :
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ClientSampleId :
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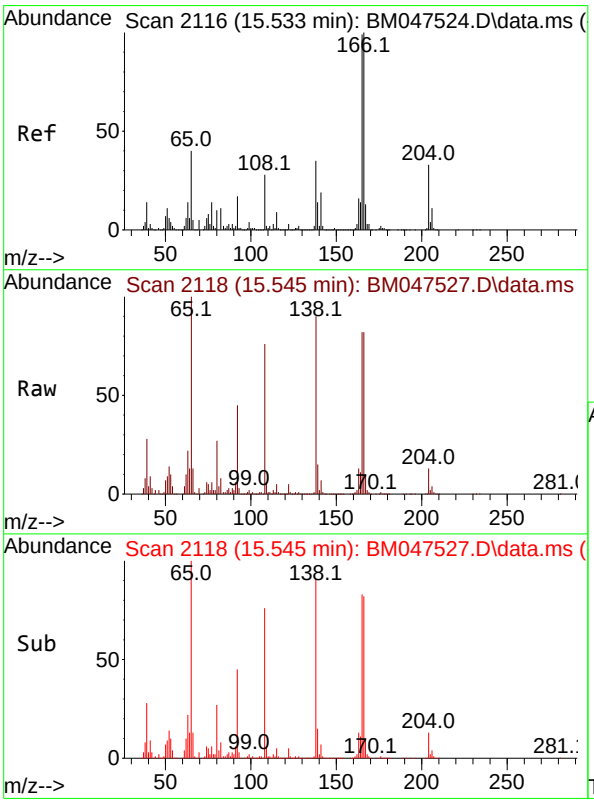
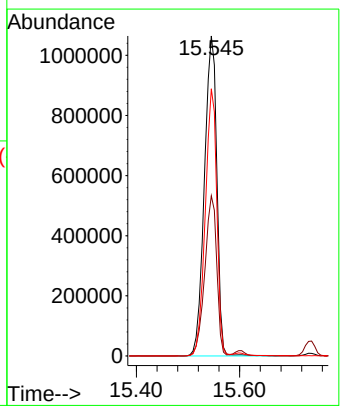
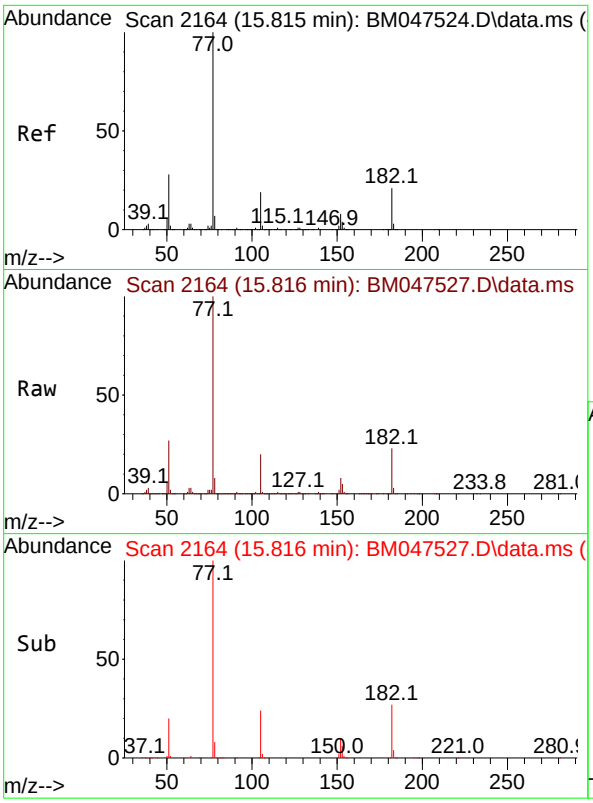


#62
4-Nitroaniline
Concen: 89.247 ng
RT: 15.545 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:138 Resp: 1774673

Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.0	70.0
108	83.5	61.7	101.7

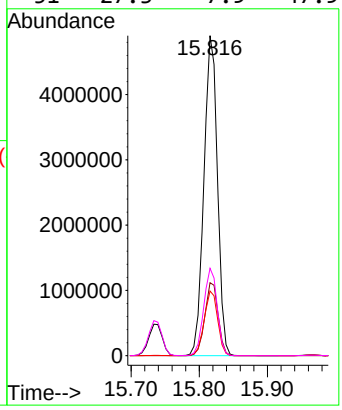




#63
Azobenzene
Concen: 79.939 ng
RT: 15.816 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 77 Resp: 675376

Ion	Ratio	Lower	Upper
77	100		
182	22.8	1.2	41.2
105	20.2	0.0	39.4
51	27.3	7.9	47.9



Instrument :
BNA_M
ClientSampleId :
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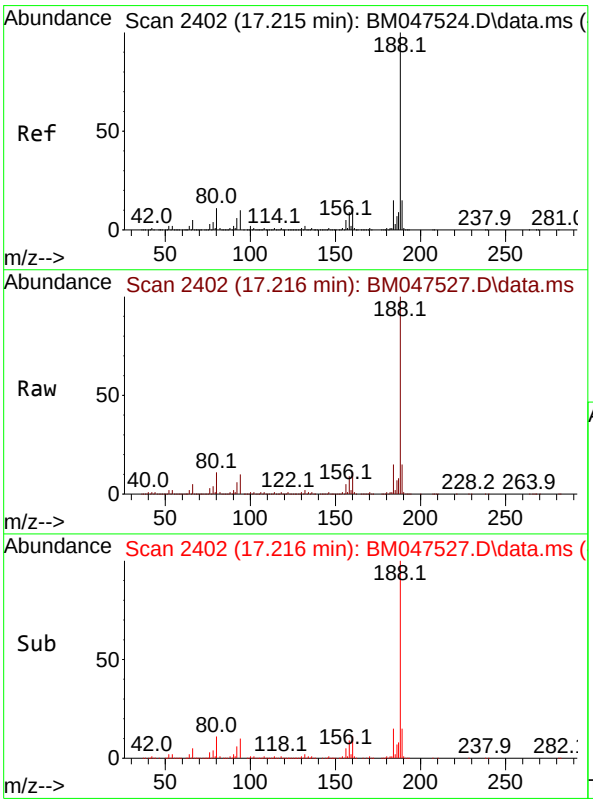
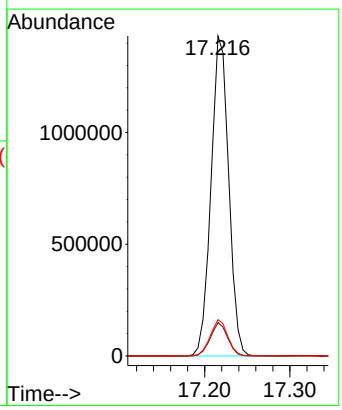
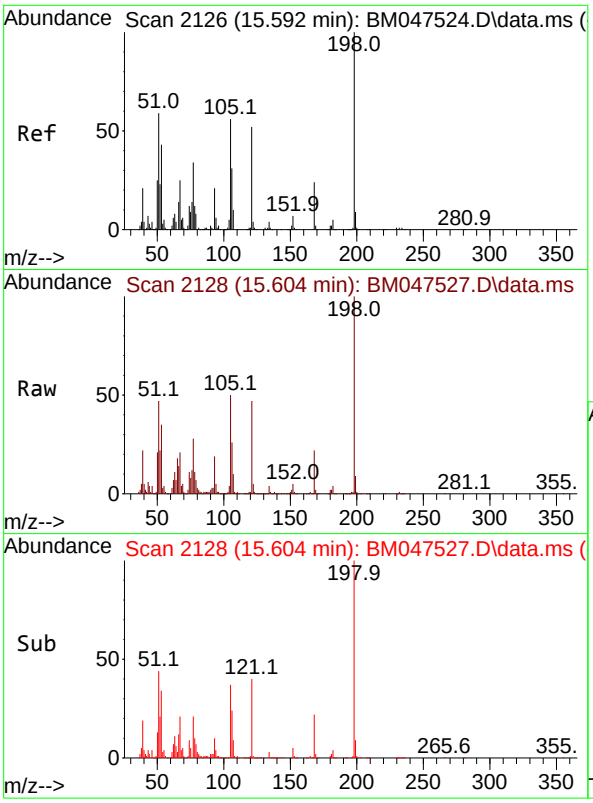


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:188 Resp: 2067717

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.4	12.6
80	11.3	9.1	13.7

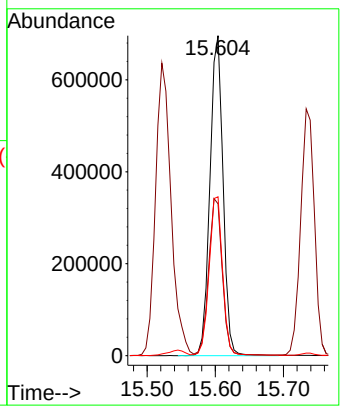




#65
4,6-Dinitro-2-methylphenol
Concen: 82.293 ng
RT: 15.604 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:198 Resp: 93013

Ion	Ratio	Lower	Upper
198	100		
51	47.4	41.5	81.5
105	49.7	36.4	76.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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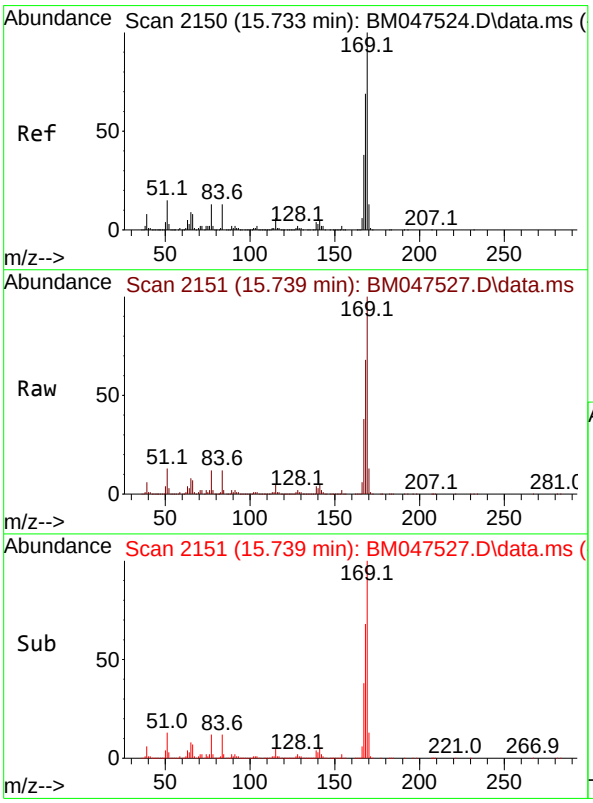
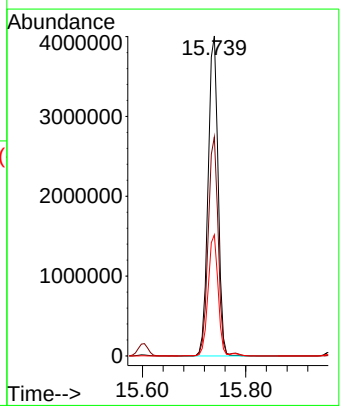
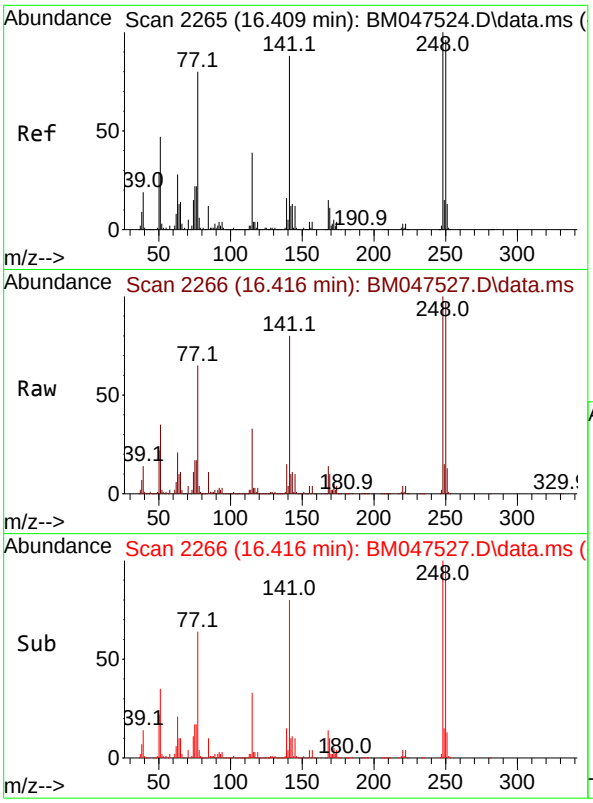


#66
n-Nitrosodiphenylamine
Concen: 84.468 ng
RT: 15.739 min Scan# 2151
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:169 Resp: 5343062

Ion	Ratio	Lower	Upper
169	100		
168	68.4	55.3	82.9
167	37.9	30.5	45.7

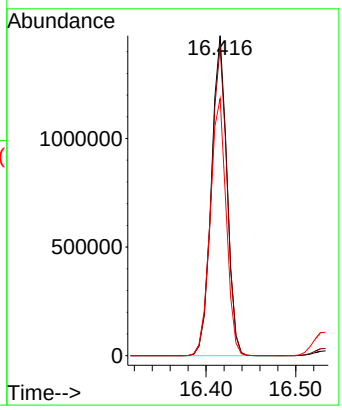




#67
4-Bromophenyl-phenylether
Concen: 88.401 ng
RT: 16.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:248 Resp: 177608

Ion	Ratio	Lower	Upper
248	100		
250	96.6	76.9	115.3
141	80.4	70.8	106.2



Instrument :
BNA_M
ClientSampleId :
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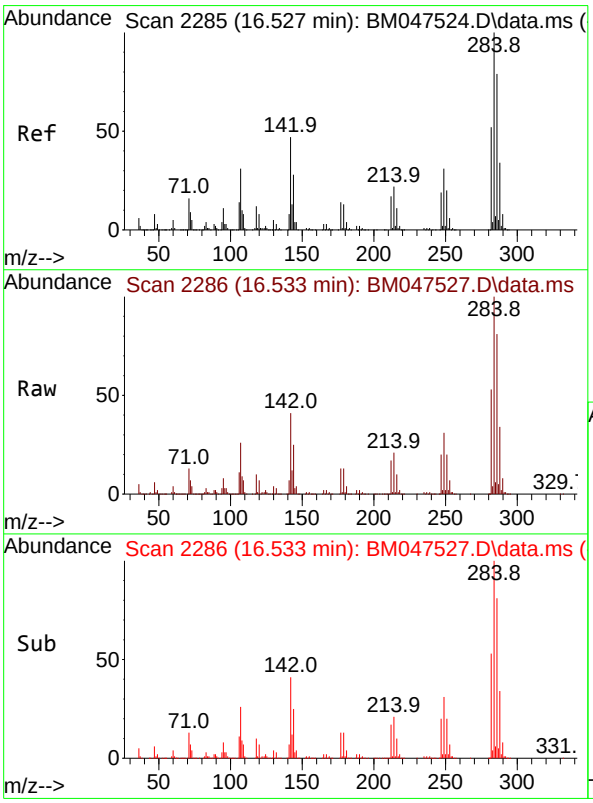
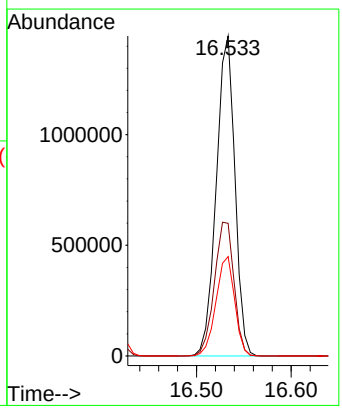
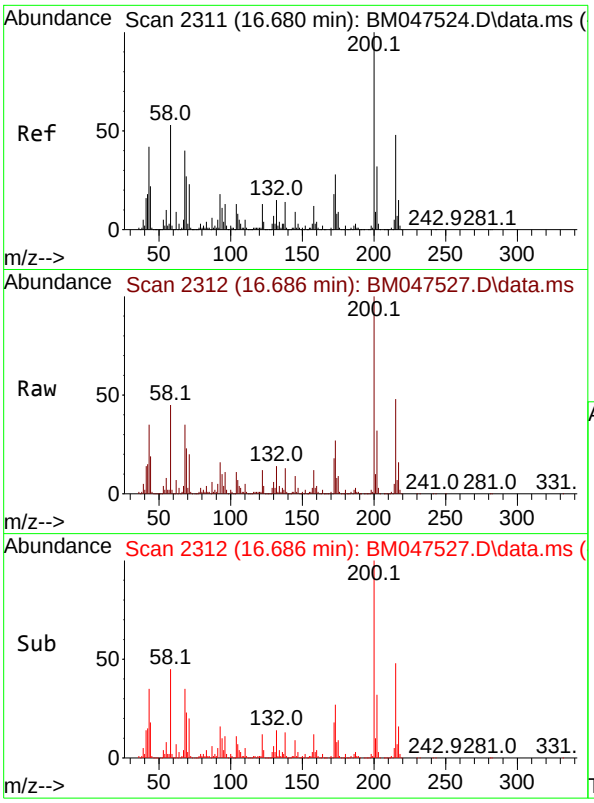


#68
Hexachlorobenzene
Concen: 86.722 ng
RT: 16.533 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:284 Resp: 1973858

Ion	Ratio	Lower	Upper
284	100		
142	41.5	37.3	55.9
249	31.1	24.5	36.7

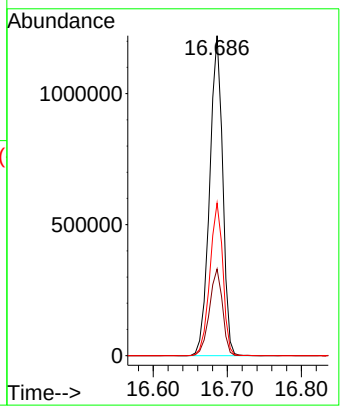




#69
Atrazine
Concen: 85.338 ng
RT: 16.686 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:200 Resp: 149199

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.7	47.7
215	47.7	27.9	67.9



Instrument :
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ClientSampleId :
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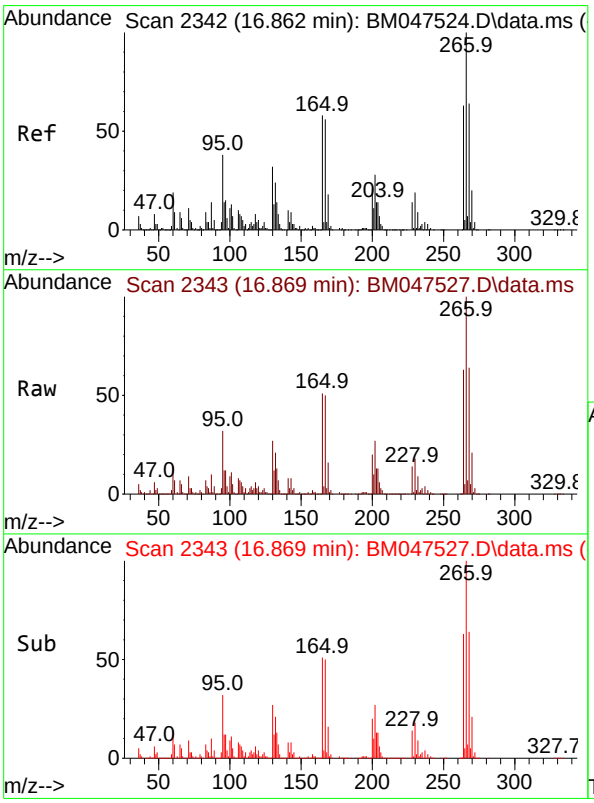
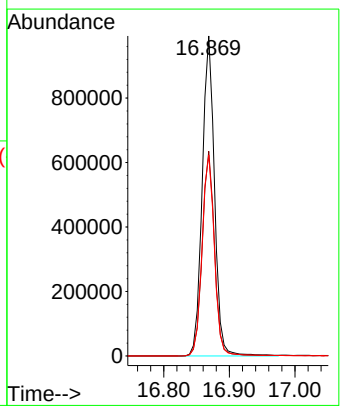
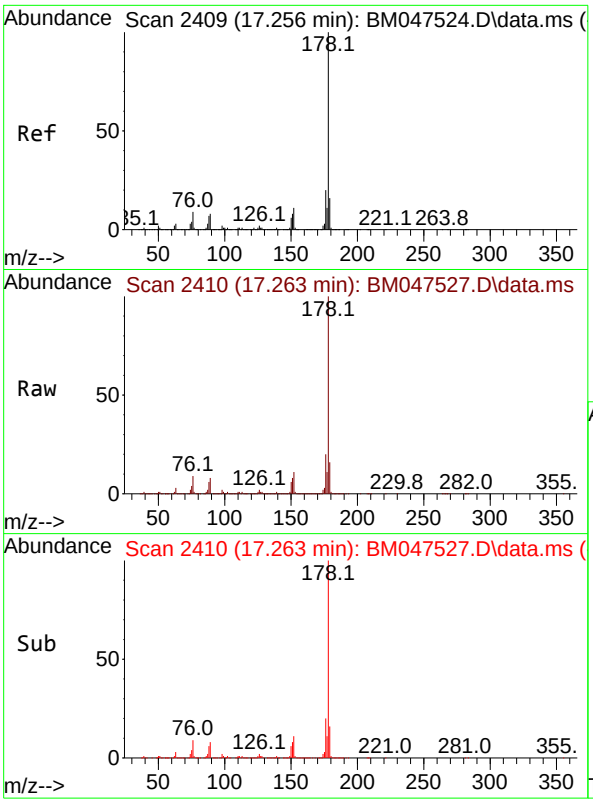


#70
Pentachlorophenol
Concen: 98.154 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:266 Resp: 1295032

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.4
264	62.8	50.4	75.6

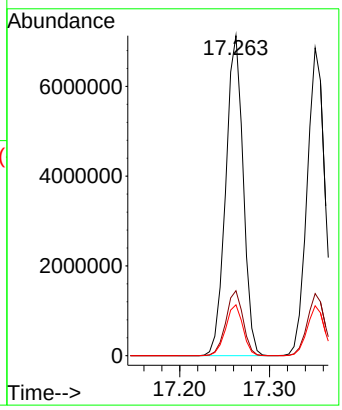




#71
Phenanthrene
Concen: 84.419 ng
RT: 17.263 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:178 Resp: 961966

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.0	24.0
179	15.9	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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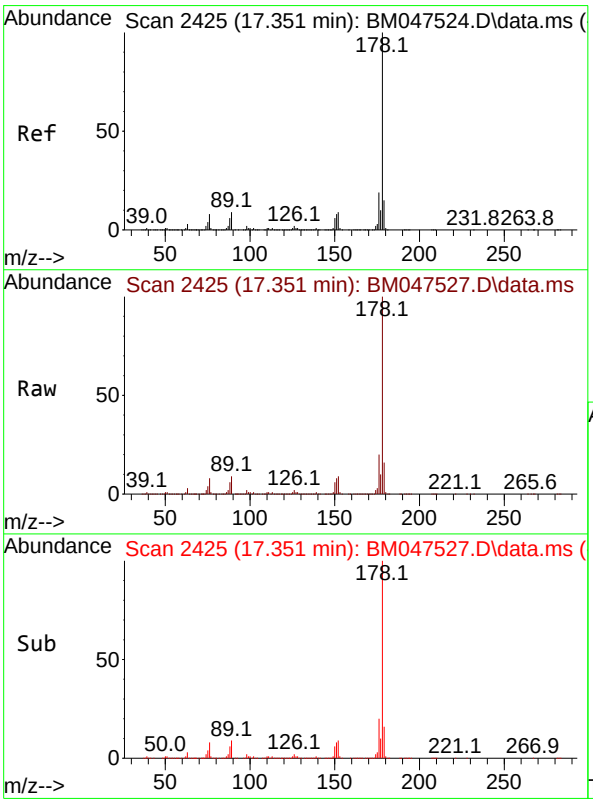
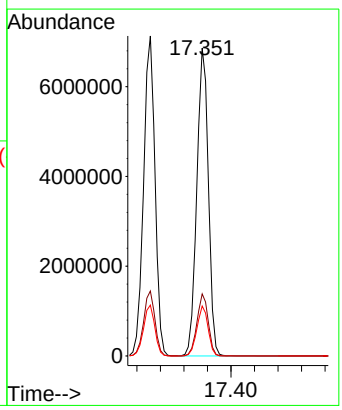
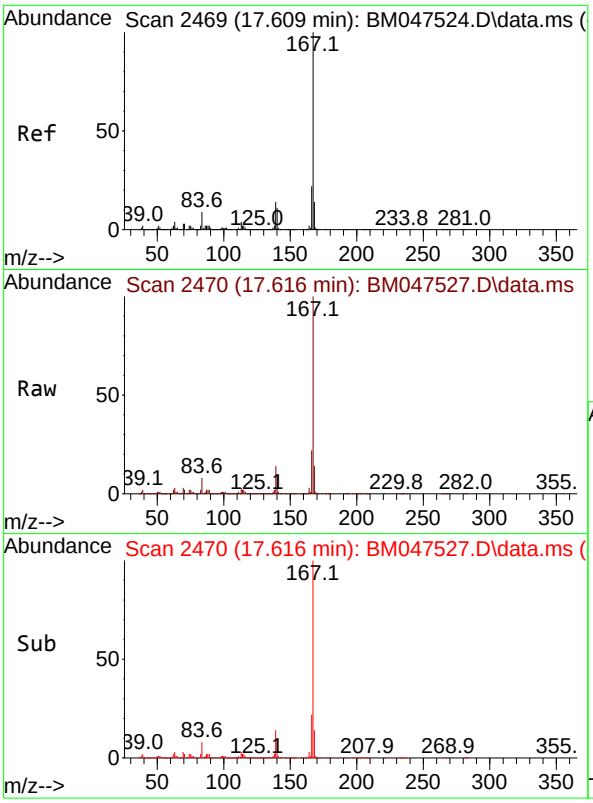


#72
Anthracene
Concen: 85.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:178 Resp: 9345063

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	16.2	12.3	18.5

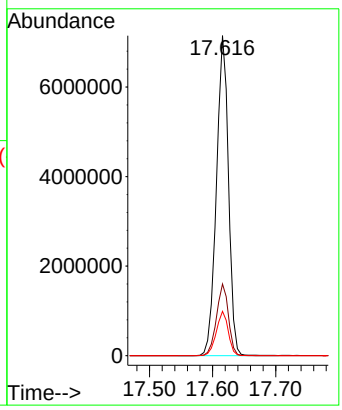




#73
Carbazole
Concen: 87.074 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:167 Resp: 944726

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.8	26.8
139	13.9	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
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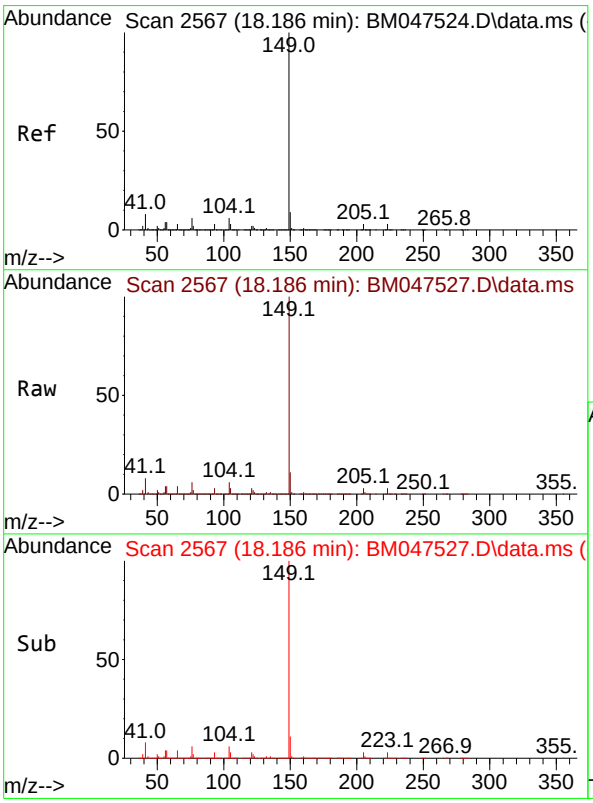
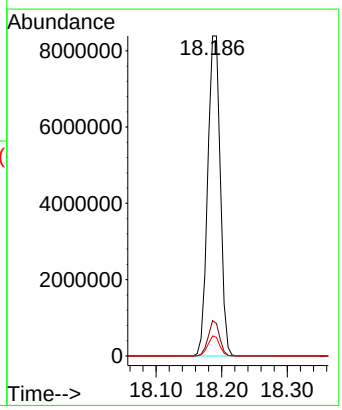
Supervised By :mohammad ahmed 09/17/2024

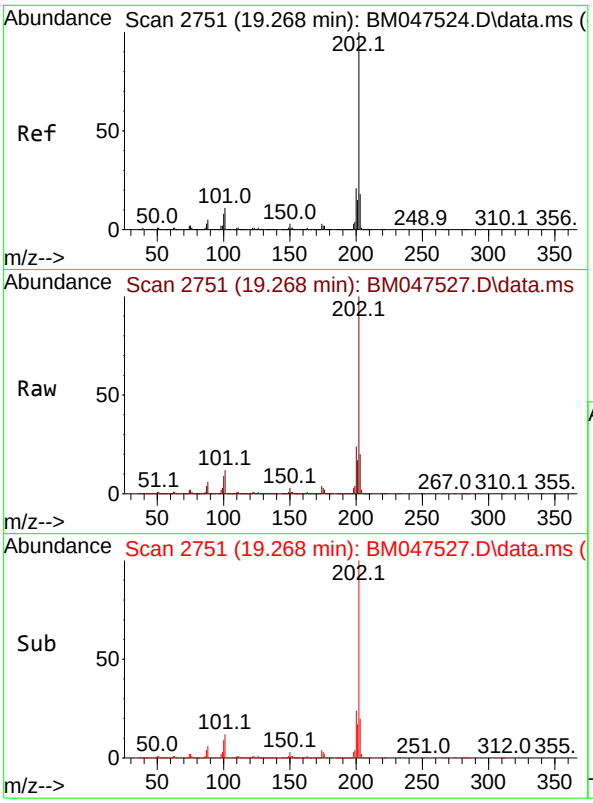


#74
Di-n-butylphthalate
Concen: 86.054 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp:11171302

Ion	Ratio	Lower	Upper
149	100		
150	11.1	7.4	11.2
104	6.3	4.6	6.8

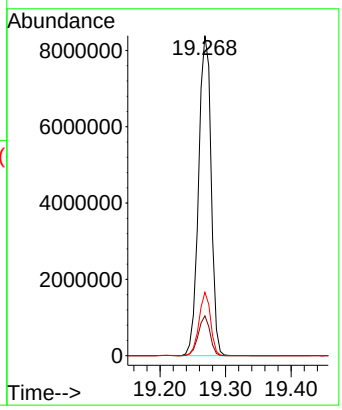




#75
Fluoranthene
Concen: 89.637 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:202 Resp:1114444

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	30.8
203	19.8	0.0	37.7



Instrument :
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ClientSampleId :
SSTDICC080

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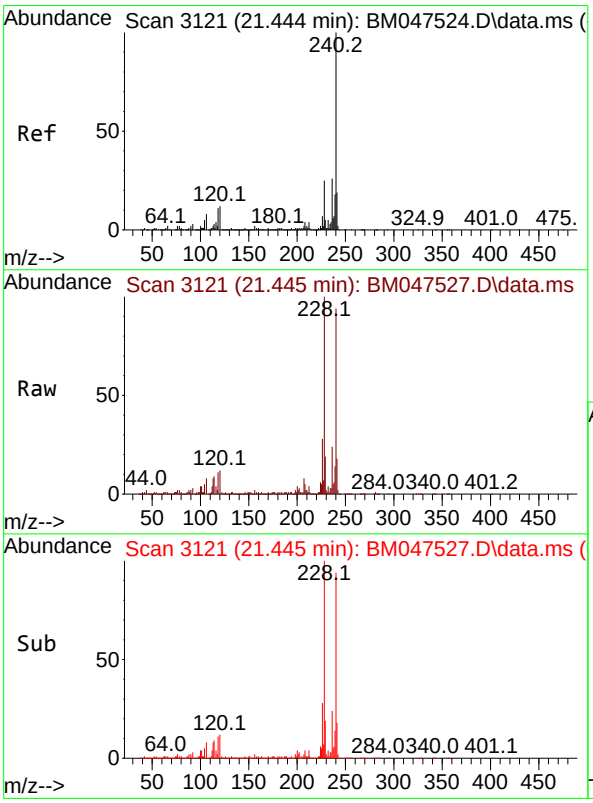
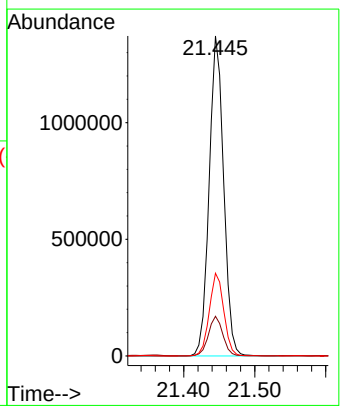
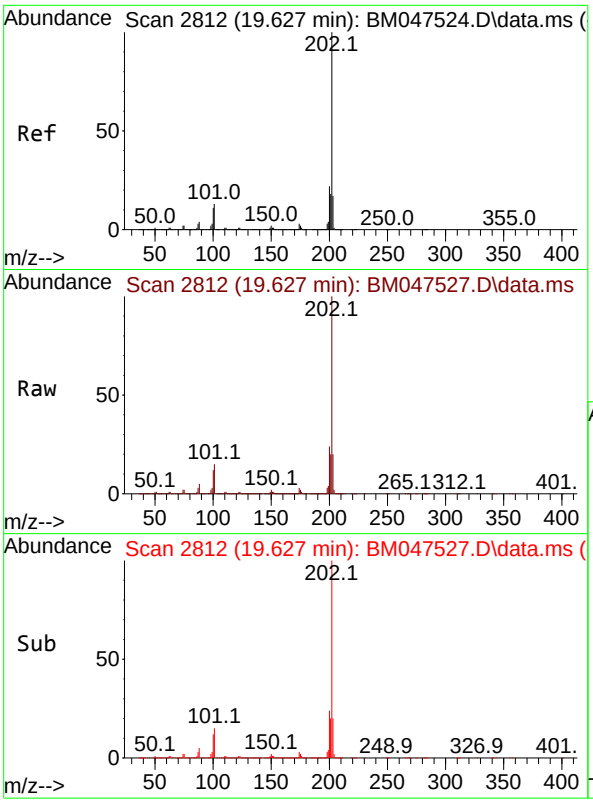


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.001 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:240 Resp: 1942846

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.6	14.4
236	25.9	20.9	31.3

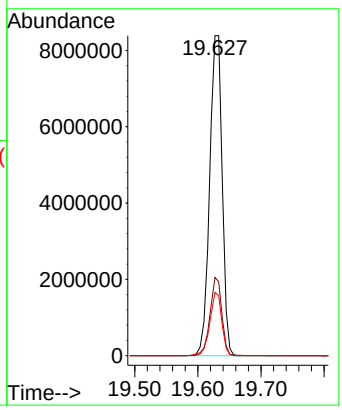




#78
Pyrene
Concen: 81.473 ng
RT: 19.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:202 Resp:1154601

Ion	Ratio	Lower	Upper
202	100		
200	24.4	17.2	25.8
203	19.8	14.0	21.0



Instrument :
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ClientSampleId :
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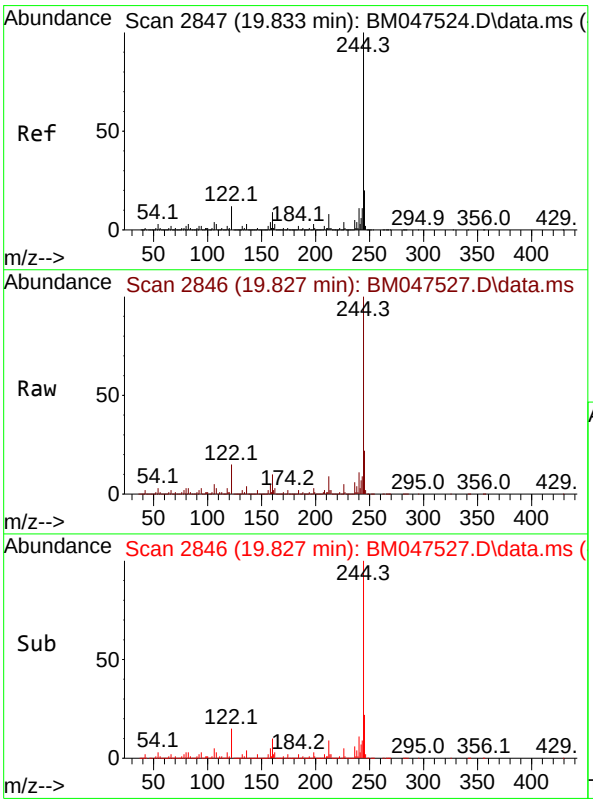
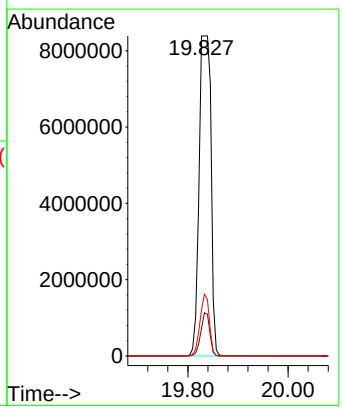
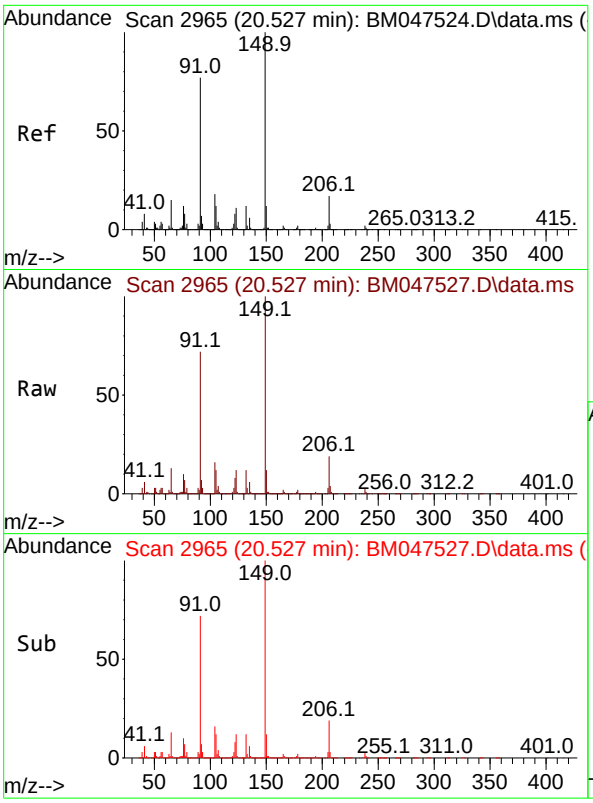


#79
Terphenyl-d14
Concen: 127.289 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:244 Resp:13800852

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.2
122	14.5	9.6	14.4#

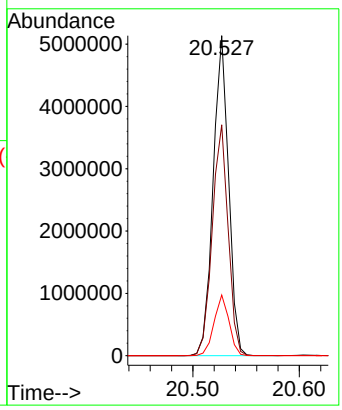




#80
Butylbenzylphthalate
Concen: 94.758 ng
RT: 20.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp: 516943

Ion	Ratio	Lower	Upper
149	100		
91	72.2	62.0	93.0
206	19.0	13.8	20.8



Instrument :
BNA_M
ClientSampleId :
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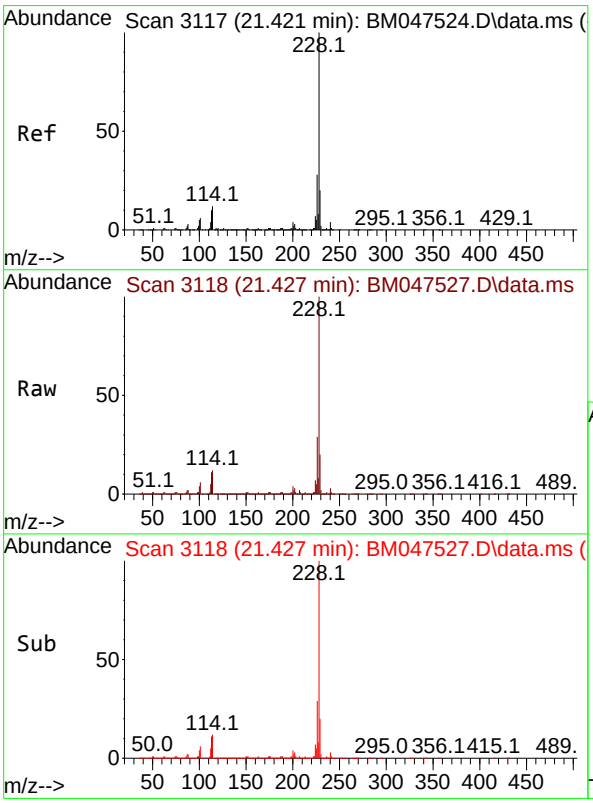
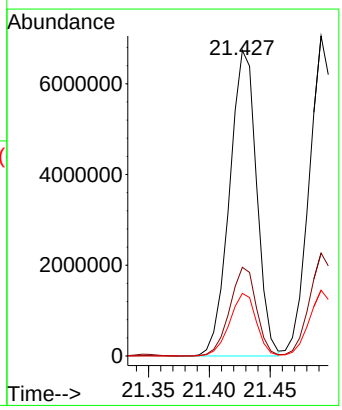
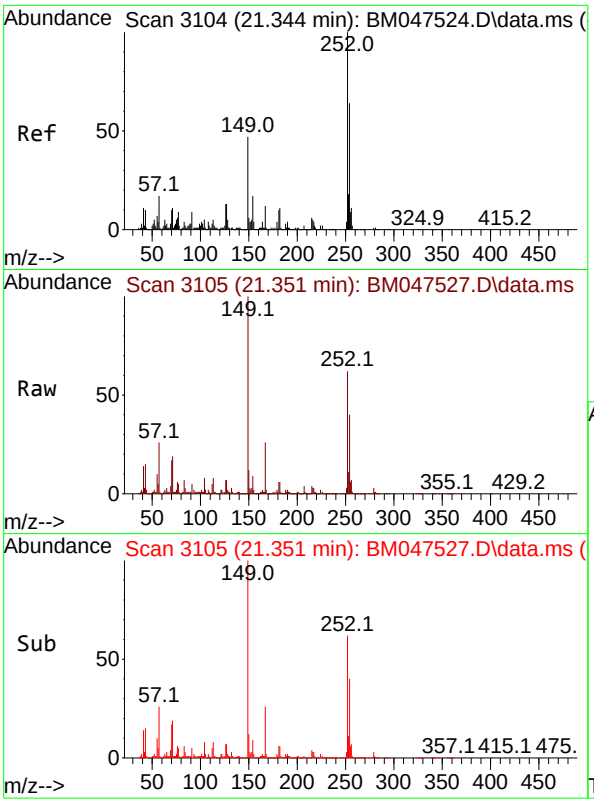


#81
Benzo(a)anthracene
Concen: 82.413 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:228 Resp:10436413

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.4	33.6
229	20.5	16.0	24.0

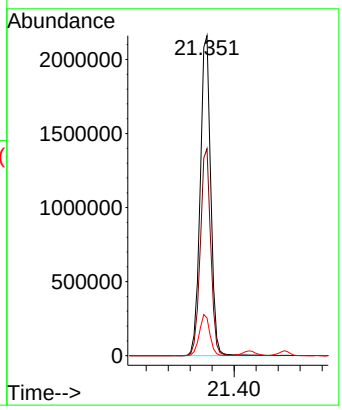




#82
3,3'-Dichlorobenzidine
Concen: 85.067 ng
RT: 21.351 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 286558

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	11.8	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
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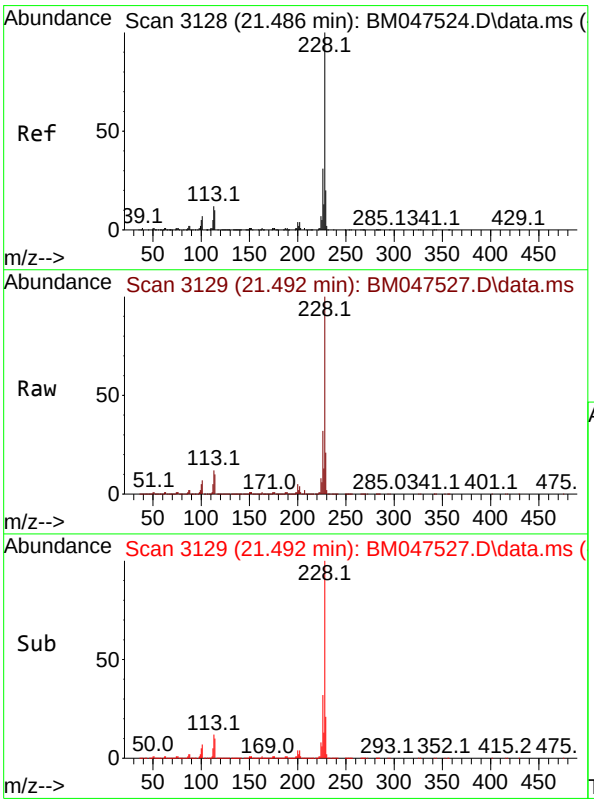
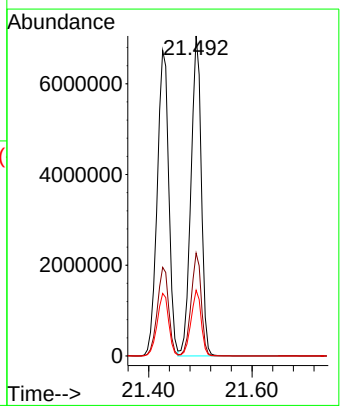
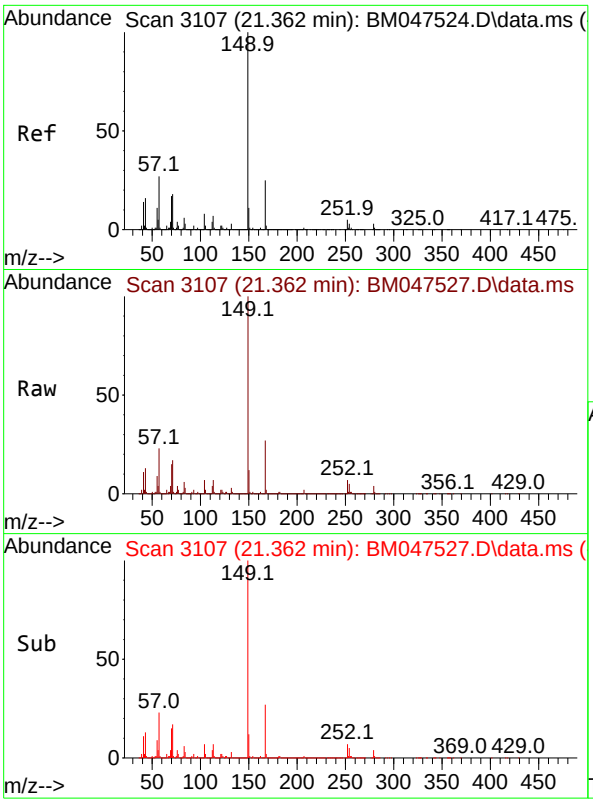


#83
Chrysene
Concen: 81.737 ng
RT: 21.492 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:228 Resp: 9790429

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	20.6	15.9	23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 94.112 ng
RT: 21.362 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp: 804294

Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.2	30.4
279	3.7	2.6	4.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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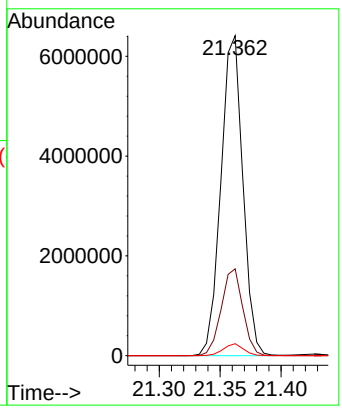
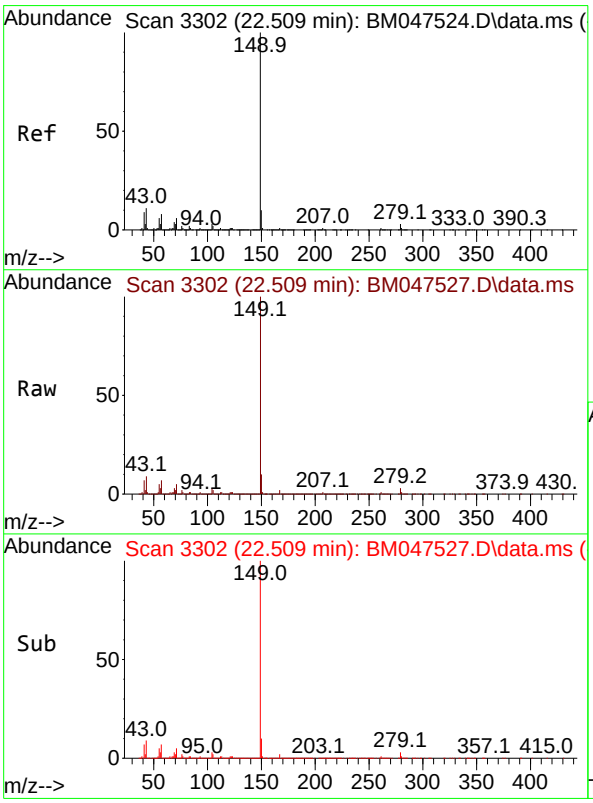
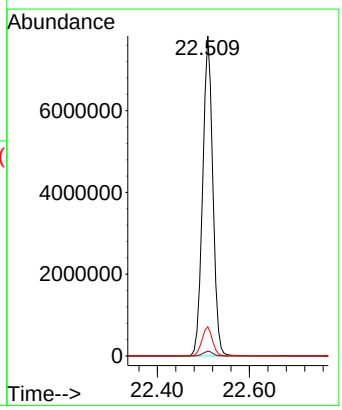


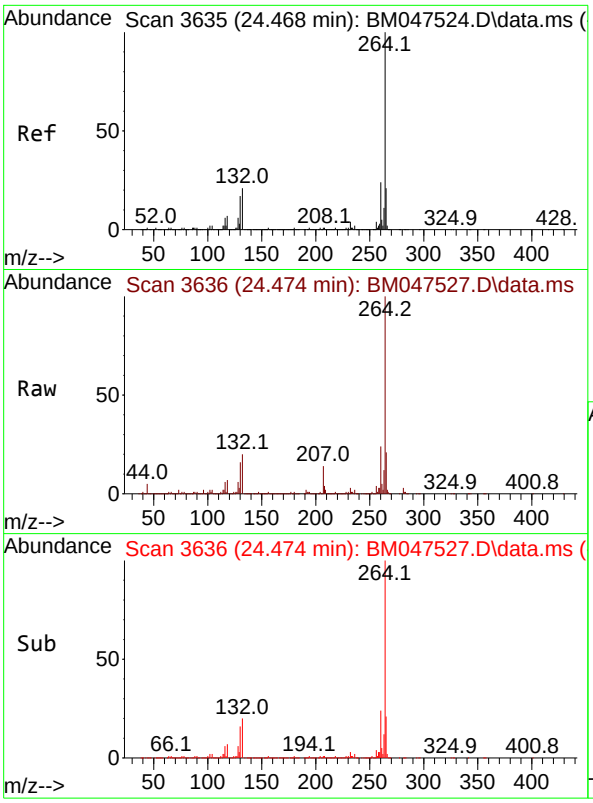


#85
Di-n-octyl phthalate
Concen: 99.636 ng
RT: 22.509 min Scan# 3302
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp:12044470

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	9.5	8.9	13.3

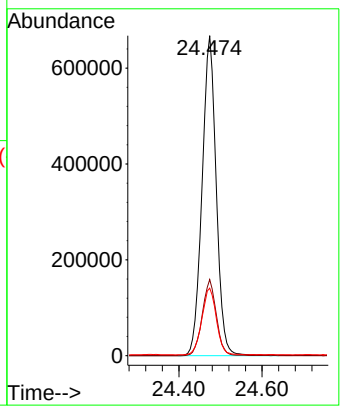




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:264 Resp: 157639

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.1	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
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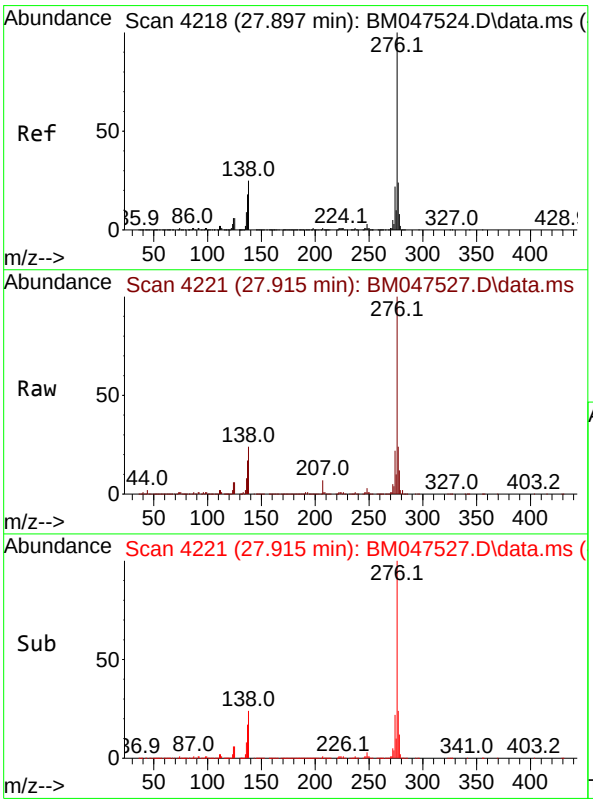
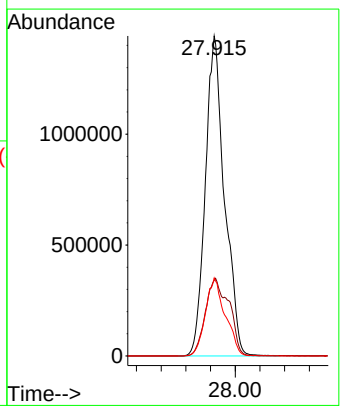
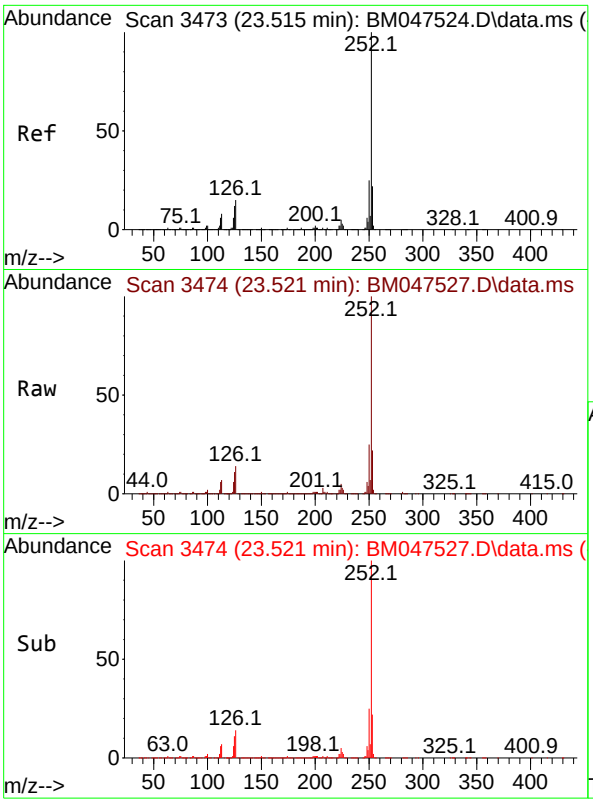


#87
Indeno(1,2,3-cd)pyrene
Concen: 82.411 ng
RT: 27.915 min Scan# 4221
Delta R.T. 0.018 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:276 Resp: 7774612

Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	25.3	20.1	30.1

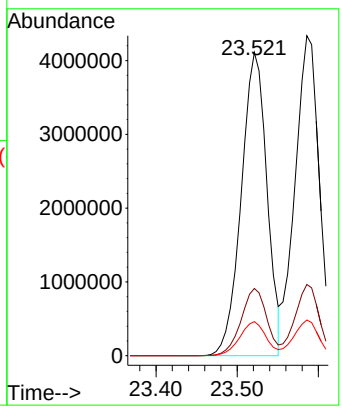




#88
Benzo(b)fluoranthene
Concen: 88.549 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 903158

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.2	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
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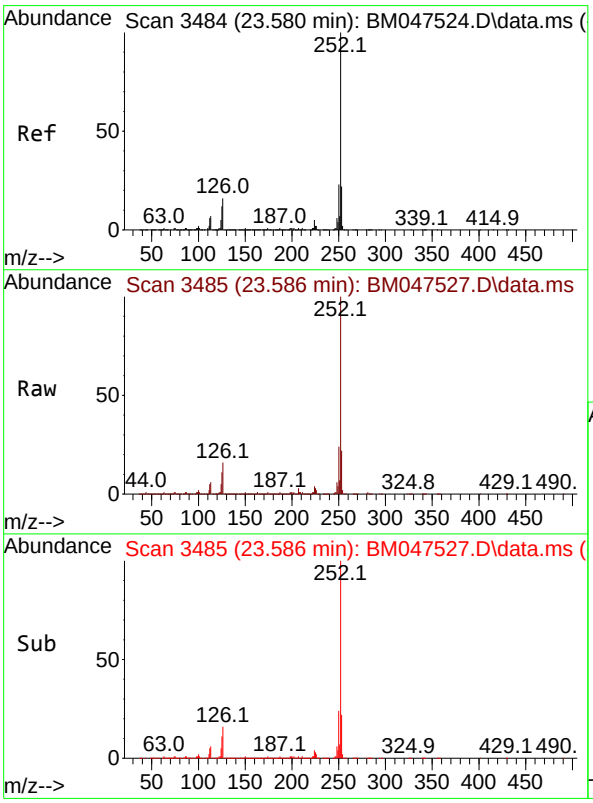
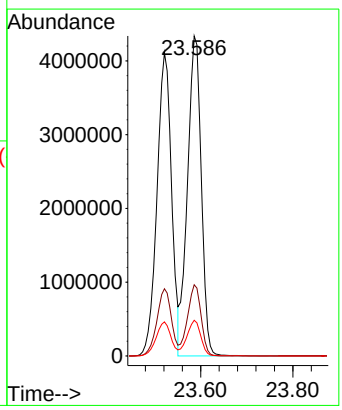
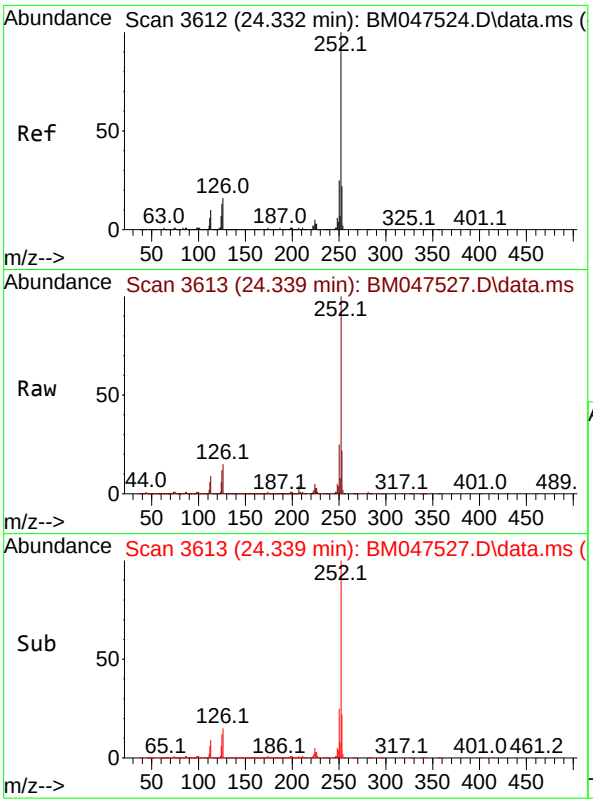


#89
Benzo(k)fluoranthene
Concen: 88.828 ng
RT: 23.586 min Scan# 3485
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 8979117

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.2	9.5	14.3

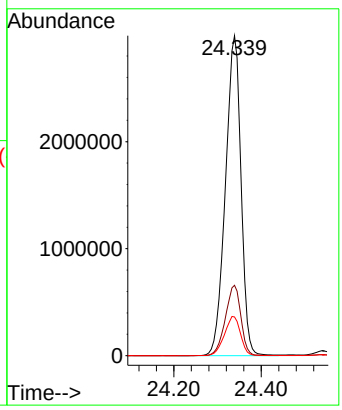




#90
Benzo(a)pyrene
Concen: 88.303 ng
RT: 24.339 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 738176

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	12.1	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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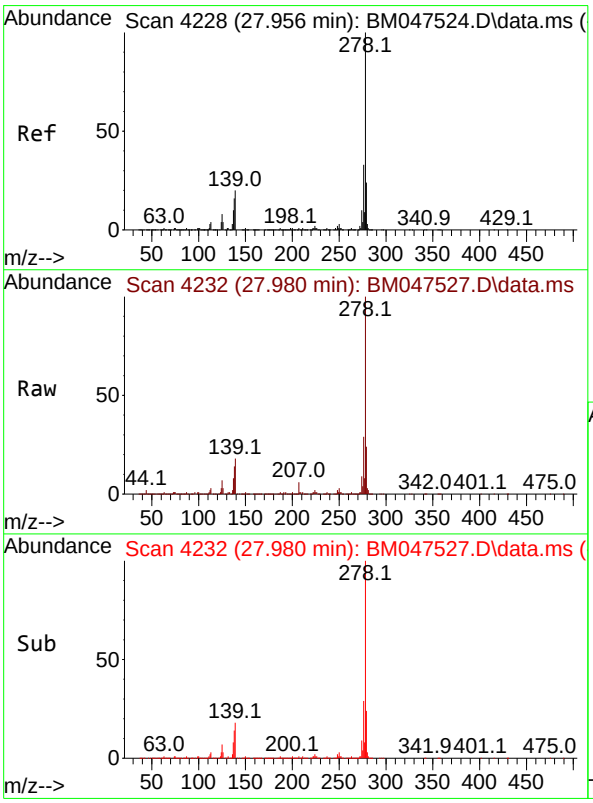
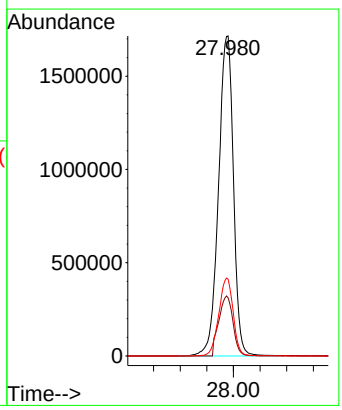
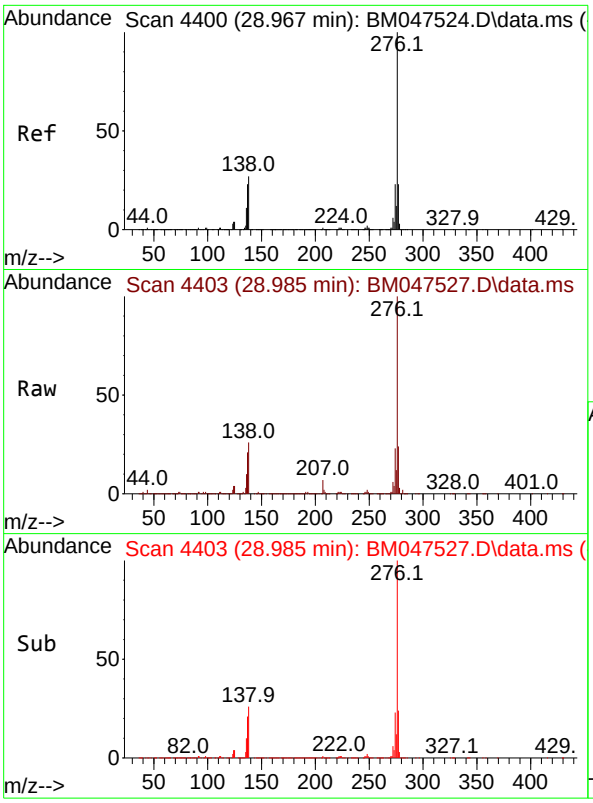


#91
Dibenzo(a,h)anthracene
Concen: 84.077 ng
RT: 27.980 min Scan# 4232
Delta R.T. 0.024 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:278 Resp: 6673296

Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.9	23.9
279	24.0	19.3	28.9

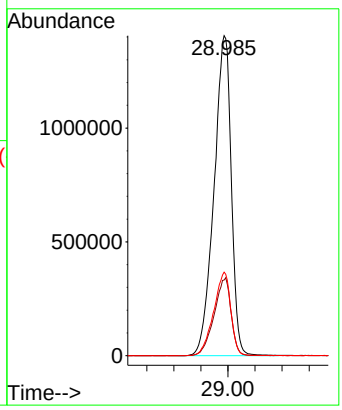




#92
Benzo(g,h,i)perylene
Concen: 80.358 ng
RT: 28.985 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:276 Resp: 623038

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	26.1	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	433518	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1934458	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	1155790	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	2184120	20.000	ng	0.00
76) Chrysene-d12	21.439	240	2018814	20.000	ng	0.00
86) Perylene-d12	24.468	264	1739593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2153145	79.080	ng	0.00
7) Phenol-d6	7.010	99	3115031	81.240	ng	0.00
23) Nitrobenzene-d5	9.004	82	3054251	79.016	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	968206	86.666	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	6760498	80.575	ng	0.00
79) Terphenyl-d14	19.833	244	9440273	83.794	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	436365	37.418	ng	98
3) Pyridine	3.716	79	1328681m	38.276	ng	
4) n-Nitrosodimethylamine	3.628	42	591123	37.531	ng	97
6) Aniline	7.175	93	1362320	40.075	ng	100
8) 2-Chlorophenol	7.416	128	1213673	40.435	ng	98
9) Benzaldehyde	6.987	77	776761	42.604	ng	99
10) Phenol	7.034	94	1538335	40.068	ng	98
11) bis(2-Chloroethyl)ether	7.269	93	1225620	39.763	ng	99
12) 1,3-Dichlorobenzene	7.740	146	1291907	39.323	ng	100
13) 1,4-Dichlorobenzene	7.887	146	1312526	39.224	ng	100
14) 1,2-Dichlorobenzene	8.204	146	1296593	39.373	ng	98
15) Benzyl Alcohol	8.087	79	1073257	41.322	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.381	45	1676915m	38.676	ng	
17) 2-Methylphenol	8.287	107	1004306	40.947	ng	98
18) Hexachloroethane	8.934	117	521681	39.026	ng	99
19) n-Nitroso-di-n-propyla...	8.657	70	1067626	41.297	ng	99
20) 3+4-Methylphenols	8.616	107	1406257	41.091	ng	100
22) Acetophenone	8.669	105	2006112	39.445	ng	99
24) Nitrobenzene	9.045	77	1557585	39.215	ng	99
25) Isophorone	9.575	82	2743005	40.365	ng	99
26) 2-Nitrophenol	9.757	139	606239	44.791	ng	96
27) 2,4-Dimethylphenol	9.816	122	827489	40.331	ng	99
28) bis(2-Chloroethoxy)met...	10.057	93	1684233	39.457	ng	99
29) 2,4-Dichlorophenol	10.292	162	1082009	41.509	ng	99
30) 1,2,4-Trichlorobenzene	10.510	180	1183219	39.627	ng	98
31) Naphthalene	10.698	128	4109028	39.330	ng	100
32) Benzoic acid	9.957	122	819547	41.565	ng	98
33) 4-Chloroaniline	10.798	127	1516874	40.157	ng	99
34) Hexachlorobutadiene	10.992	225	650005	39.303	ng	99
35) Caprolactam	11.580	113	381738	44.462	ng	92
36) 4-Chloro-3-methylphenol	11.922	107	1239823	41.503	ng	100
37) 2-Methylnaphthalene	12.310	142	2801320	40.287	ng	99
38) 1-Methylnaphthalene	12.527	142	2789337	40.366	ng	99
40) 1,2,4,5-Tetrachloroben...	12.674	216	1232956	39.423	ng	99
41) Hexachlorocyclopentadiene	12.663	237	391885	38.330	ng	99
43) 2,4,6-Trichlorophenol	12.910	196	819111	41.805	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	920532	41.595	ng		99
46) 1,1'-Biphenyl	13.316	154	3562522	39.616	ng		99
47) 2-Chloronaphthalene	13.357	162	2778294	39.789	ng		100
48) 2-Nitroaniline	13.551	65	862825	42.070	ng		99
49) Acenaphthylene	14.204	152	4062122	40.313	ng		100
50) Dimethylphthalate	13.939	163	3130077	39.733	ng		99
51) 2,6-Dinitrotoluene	14.051	165	692880	41.664	ng		97
52) Acenaphthene	14.545	154	2855304	40.442	ng		99
53) 3-Nitroaniline	14.374	138	780701	42.236	ng		97
54) 2,4-Dinitrophenol	14.580	184	303273	41.320	ng		91
55) Dibenzofuran	14.880	168	3929087	39.603	ng		100
56) 4-Nitrophenol	14.674	139	666432	43.814	ng		96
57) 2,4-Dinitrotoluene	14.833	165	944153	42.569	ng		100
58) Fluorene	15.527	166	3652975	40.896	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.104	232	714256	41.395	ng		100
60) Diethylphthalate	15.304	149	3394013	40.482	ng		99
61) 4-Chlorophenyl-phenyle...	15.521	204	1650317	40.407	ng		99
62) 4-Nitroaniline	15.533	138	943457	43.422	ng		99
63) Azobenzene	15.815	77	3638400	39.412	ng		98
65) 4,6-Dinitro-2-methylph...	15.598	198	426927	39.815	ng		88
66) n-Nitrosodiphenylamine	15.733	169	2709417	40.550	ng		100
67) 4-Bromophenyl-phenylether	16.415	248	867359	40.870	ng		94
68) Hexachlorobenzene	16.527	284	970735	40.377	ng		99
69) Atrazine	16.680	200	770740	41.735	ng		99
70) Pentachlorophenol	16.862	266	622891	44.695	ng		99
71) Phenanthrene	17.257	178	4802982	39.903	ng		100
72) Anthracene	17.351	178	4737394	40.965	ng		100
73) Carbazole	17.615	167	4733275	41.301	ng		100
74) Di-n-butylphthalate	18.186	149	5807192	42.350	ng		100
75) Fluoranthene	19.268	202	5531833	42.122	ng		99
77) Benzidine	19.445	184	1045554	36.773	ng		99
78) Pyrene	19.627	202	5859728	39.792	ng		99
80) Butylbenzylphthalate	20.521	149	2448871	43.200	ng		98
81) Benzo(a)anthracene	21.421	228	5336342	40.554	ng		100
82) 3,3'-Dichlorobenzidine	21.345	252	1561668	44.615	ng		99
83) Chrysene	21.486	228	5016069	40.301	ng		100
84) Bis(2-ethylhexyl)phtha...	21.356	149	3908511	44.013	ng		99
85) Di-n-octyl phthalate	22.503	149	5845092	46.533	ng		99
87) Indeno(1,2,3-cd)pyrene	27.897	276	4045117	38.856	ng	#	90
88) Benzo(b)fluoranthene	23.515	252	4654837	41.356	ng		99
89) Benzo(k)fluoranthene	23.580	252	4639524	41.592	ng		99
90) Benzo(a)pyrene	24.327	252	3794215	41.129	ng		99
91) Dibenzo(a,h)anthracene	27.962	278	3421259	39.061	ng		99
92) Benzo(g,h,i)perylene	28.968	276	3226301	37.708	ng		99

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

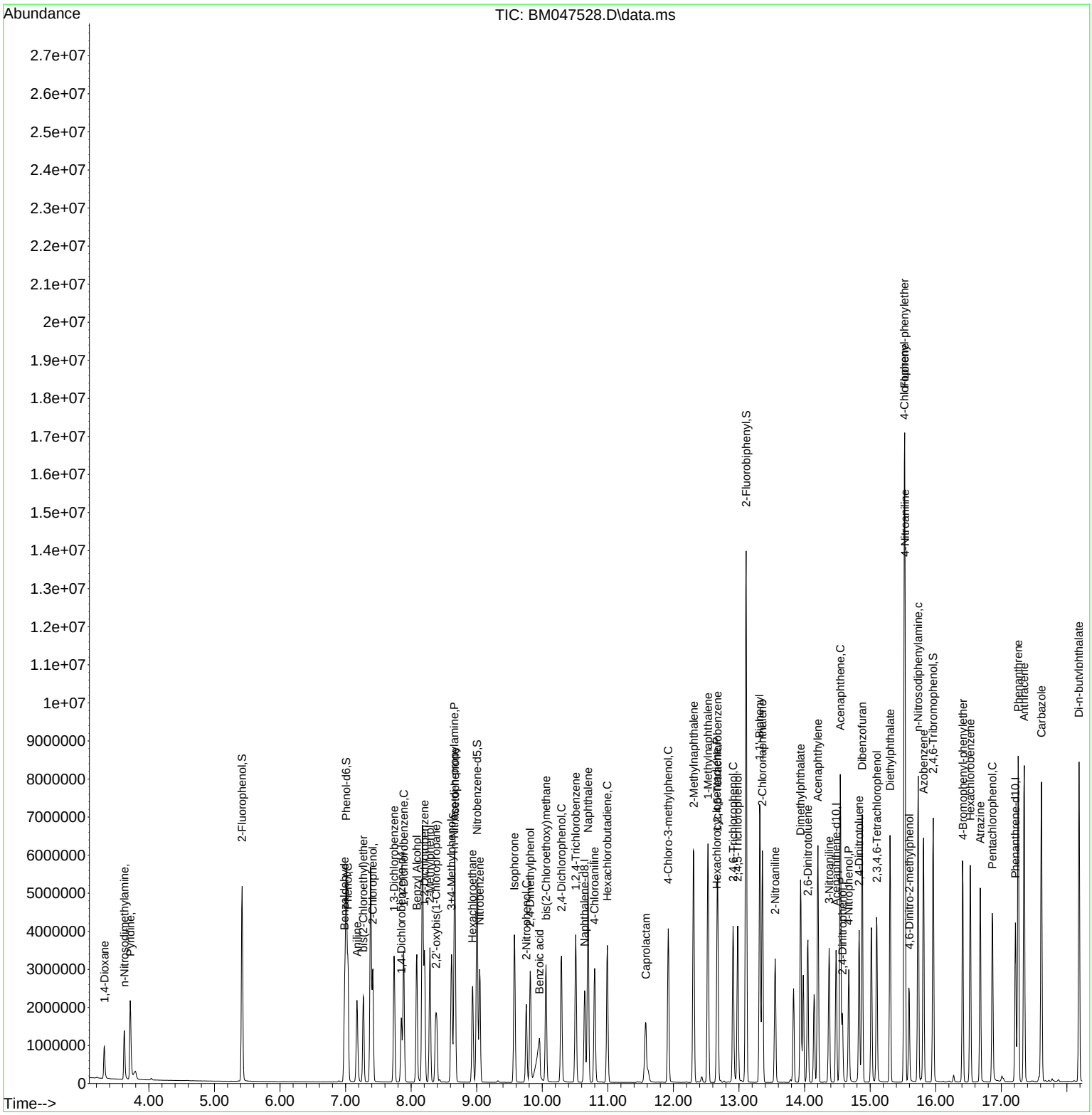
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
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Quant Time: Sep 15 08:58:50 2024
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QLast Update : Sun Sep 15 08:56:37 2024
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Instrument :
BNA_M
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ICVBM091424

Manual Integrations APPROVED

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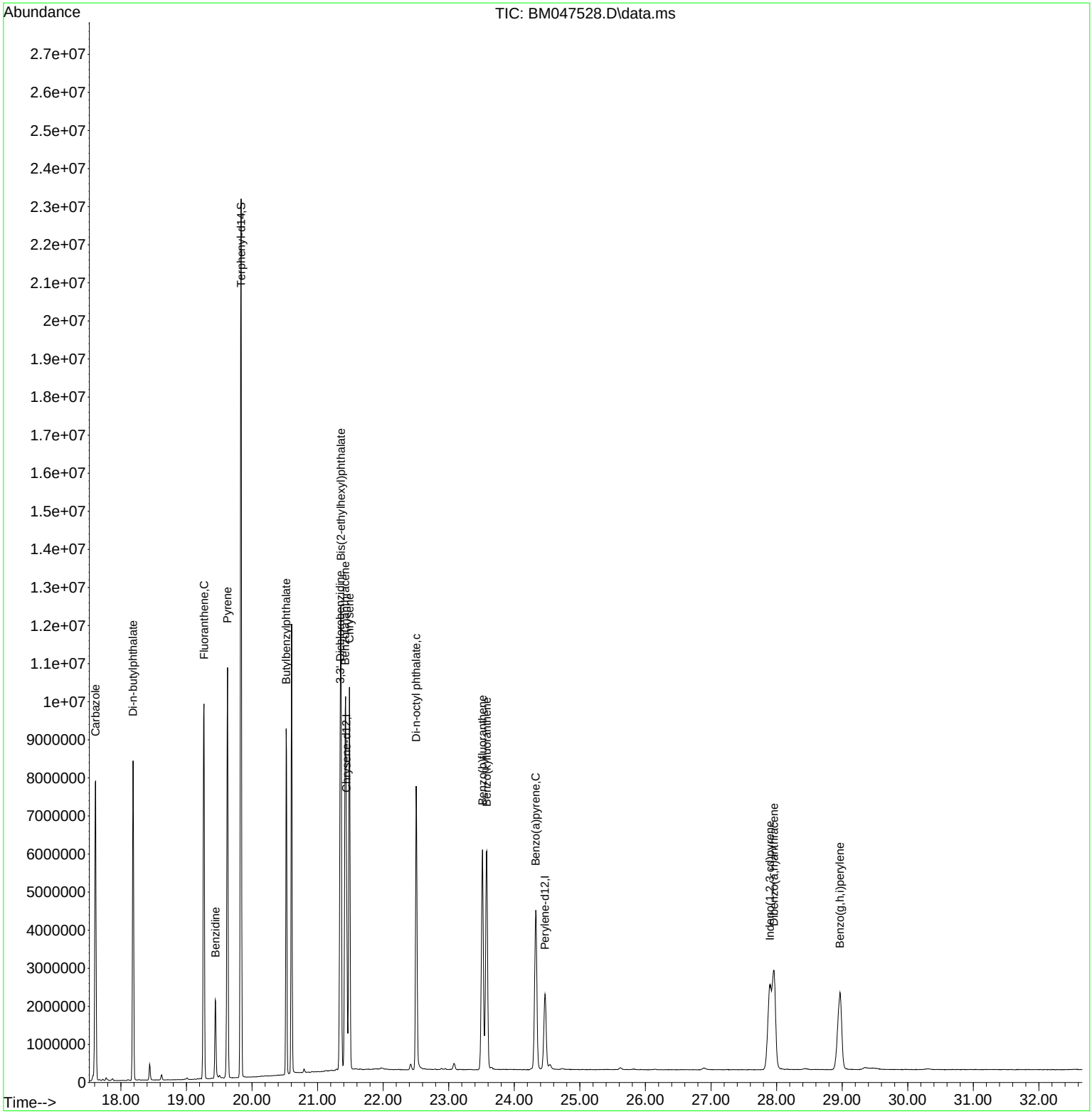
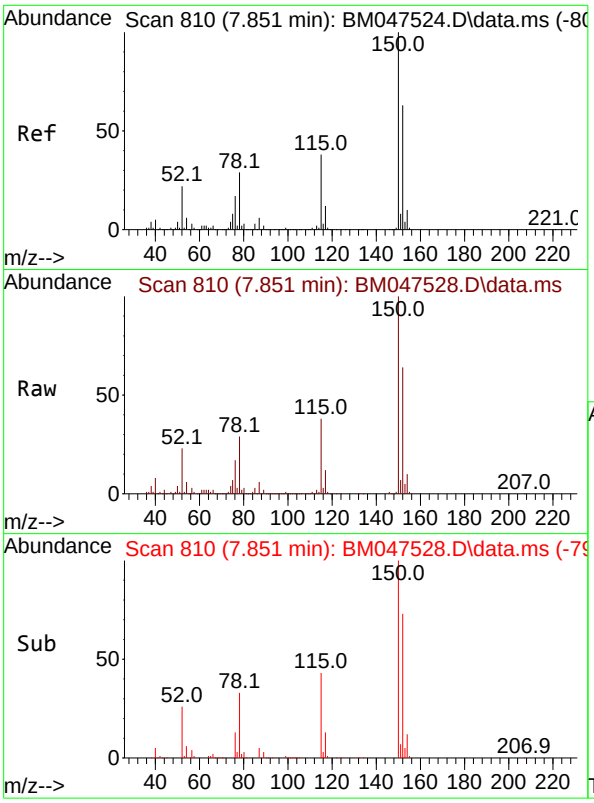
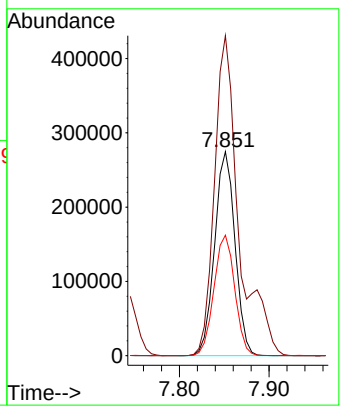




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:152 Resp: 43351

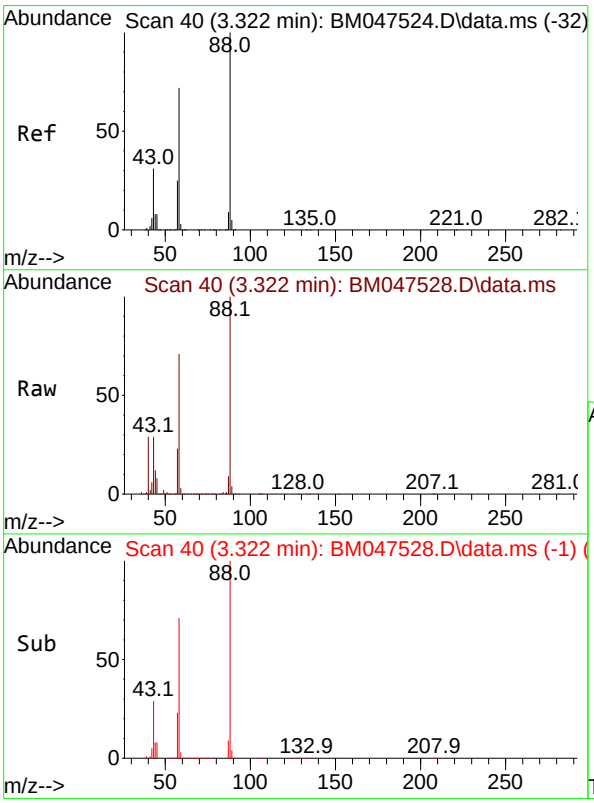
Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.8	190.2
115	59.1	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations
APPROVED

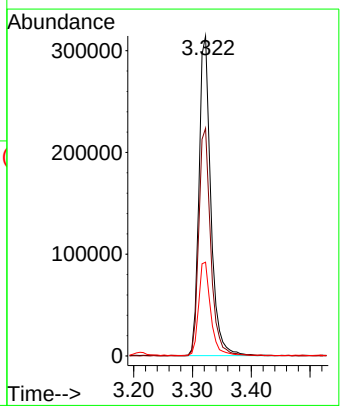
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

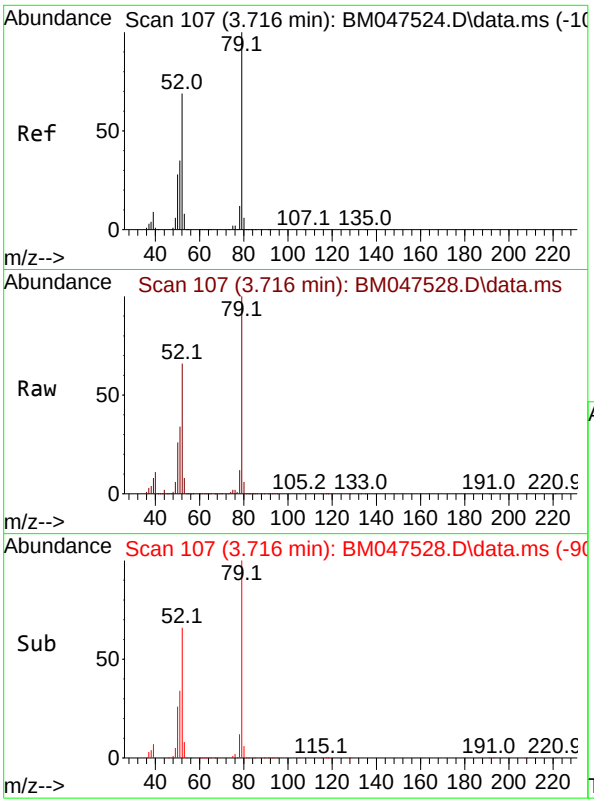


#2
1,4-Dioxane
Concen: 37.418 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 88 Resp: 436365

Ion	Ratio	Lower	Upper
88	100		
58	72.4	59.0	88.6
43	29.9	25.0	37.4

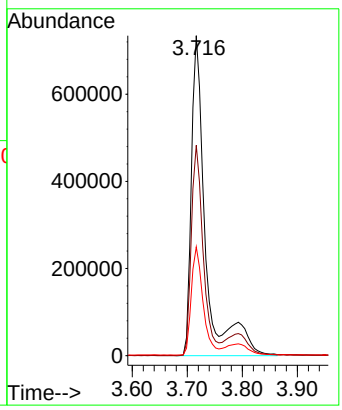




#3
Pyridine
Concen: 38.276 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 79 Resp: 132868

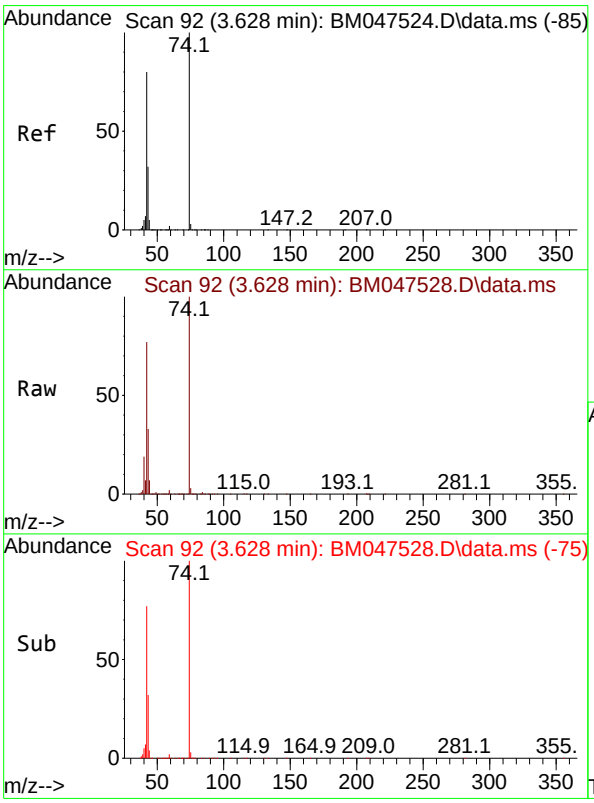
Ion	Ratio	Lower	Upper
79	100		
52	65.7	55.4	83.0
51	34.0	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations
APPROVED

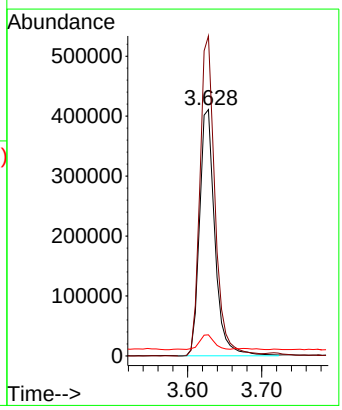
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

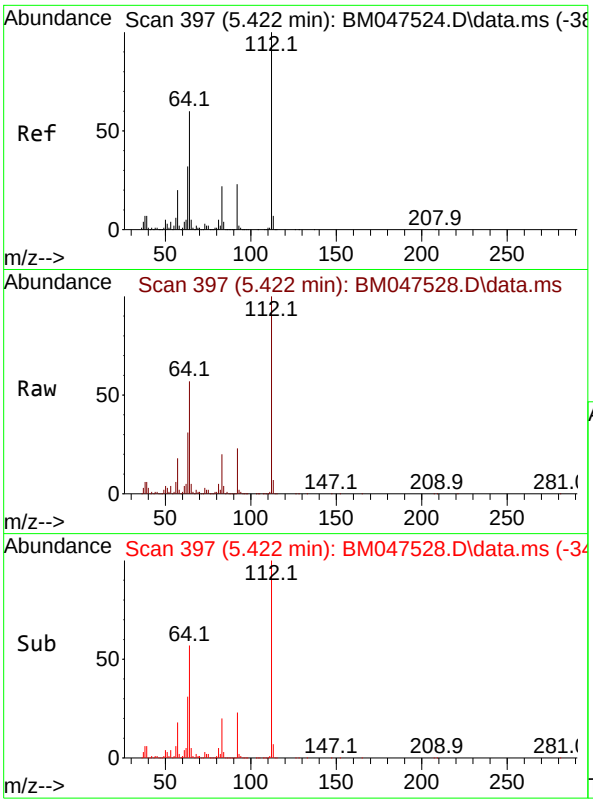


#4
n-Nitrosodimethylamine
Concen: 37.531 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 42 Resp: 591123

Ion	Ratio	Lower	Upper
42	100		
74	129.9	100.5	150.7
44	8.6	6.9	10.3





#5
2-Fluorophenol
Concen: 79.080 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

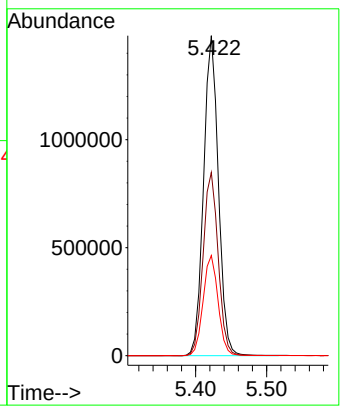
Tgt Ion:112 Resp: 215314

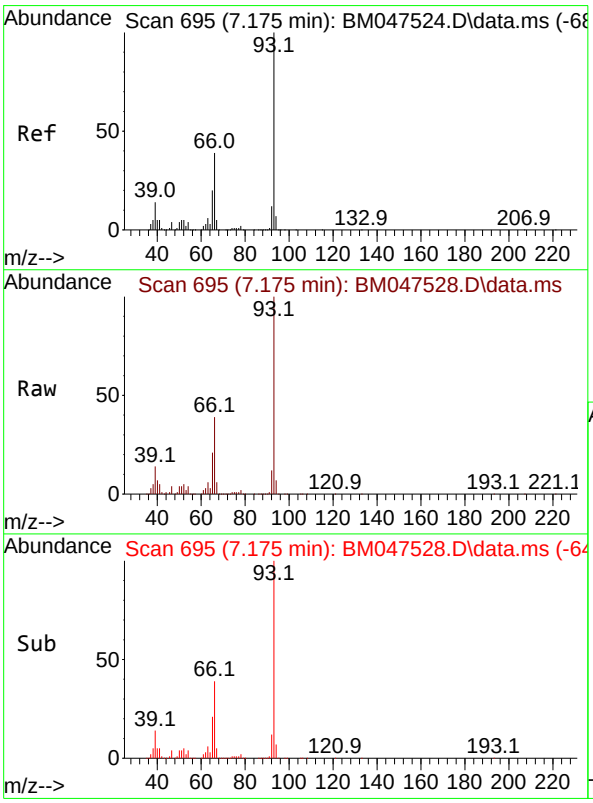
Ion	Ratio	Lower	Upper
112	100		
64	57.2	48.2	72.4
63	31.3	26.0	39.0

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

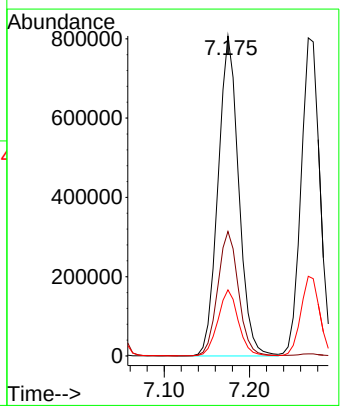


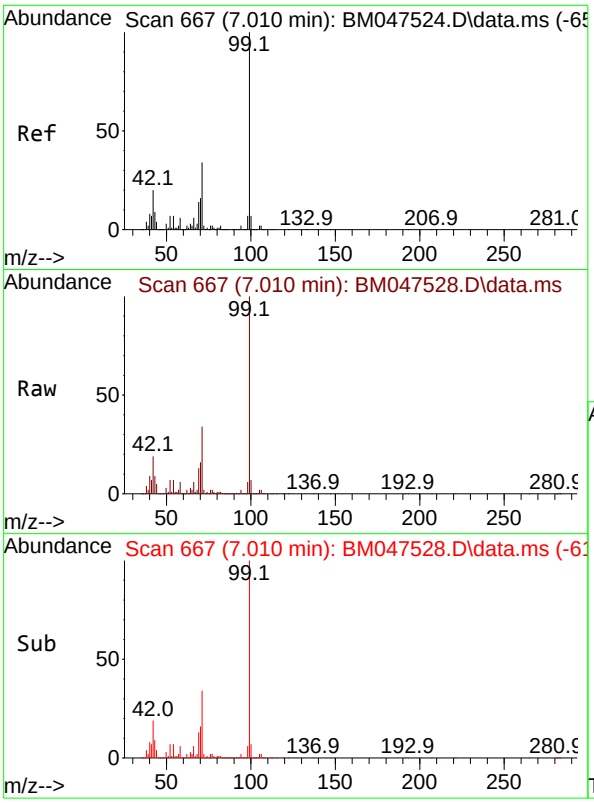


#6
Aniline
Concen: 40.075 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 93 Resp: 1362320

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.4	47.0
65	20.6	16.3	24.5

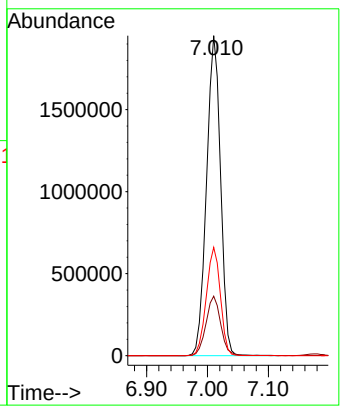




#7
Phenol-d6
Concen: 81.240 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 99 Resp: 311503

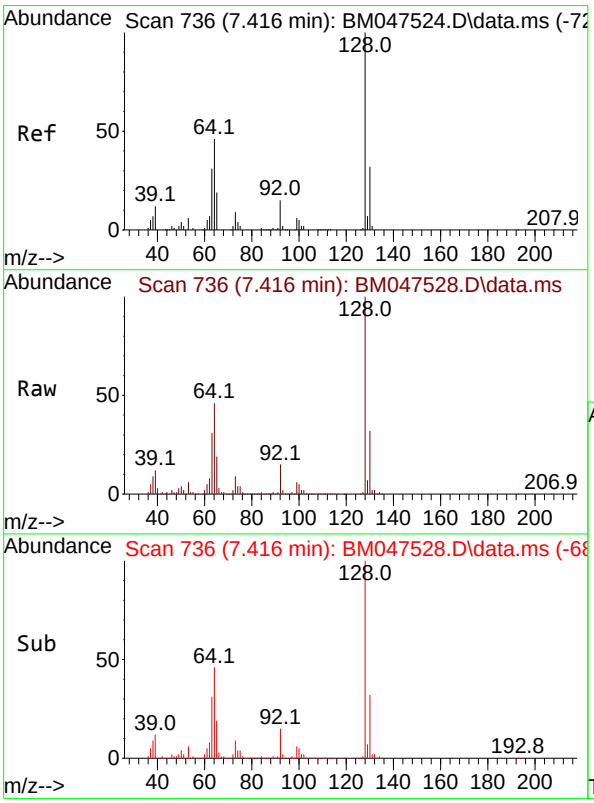
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.8
71	33.8	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

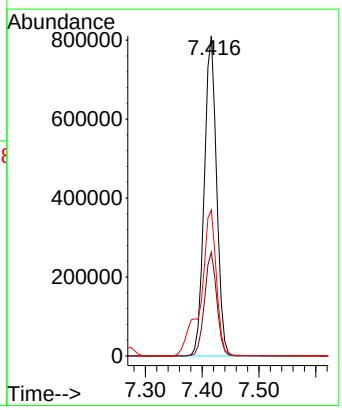
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

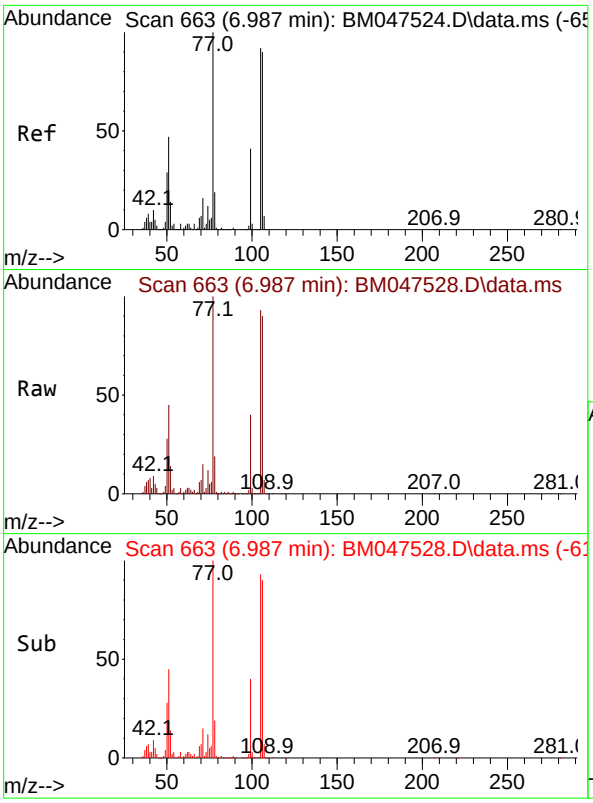


#8
2-Chlorophenol
Concen: 40.435 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:128 Resp: 1213673

Ion	Ratio	Lower	Upper
128	100		
130	32.3	11.8	51.8
64	45.6	27.6	67.6

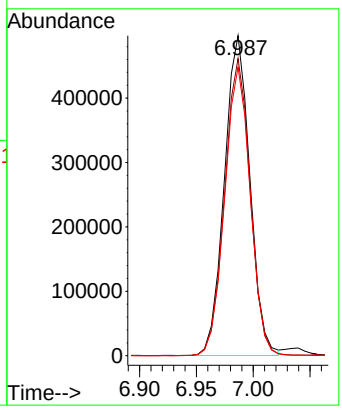




#9
Benzaldehyde
Concen: 42.604 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 77 Resp: 77676(

Ion	Ratio	Lower	Upper
77	100		
105	92.8	71.8	111.8
106	90.1	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
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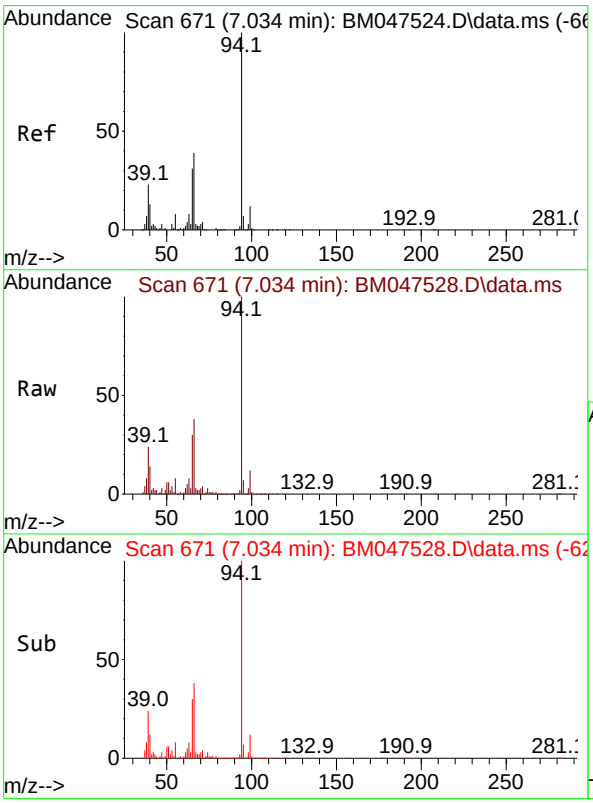
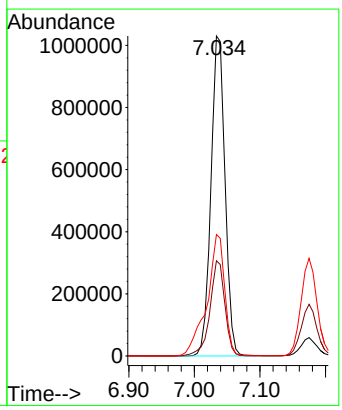
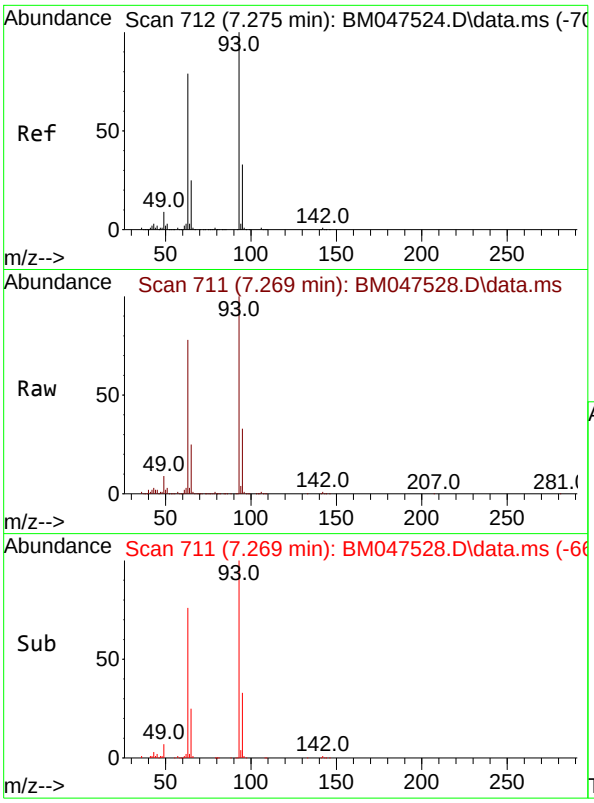


#10
Phenol
Concen: 40.068 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 94 Resp: 1538335

Ion	Ratio	Lower	Upper
94	100		
65	29.7	10.8	50.8
66	38.0	19.2	59.2

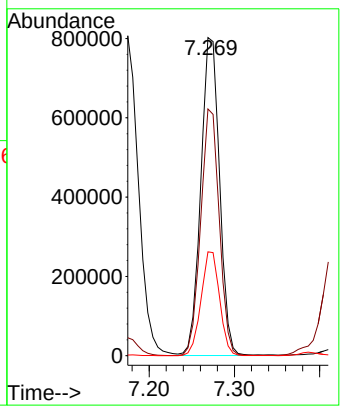




#11
bis(2-Chloroethyl)ether
Concen: 39.763 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 93 Resp: 122562

Ion	Ratio	Lower	Upper
93	100		
63	77.6	58.2	98.2
95	32.6	12.8	52.8



Instrument :
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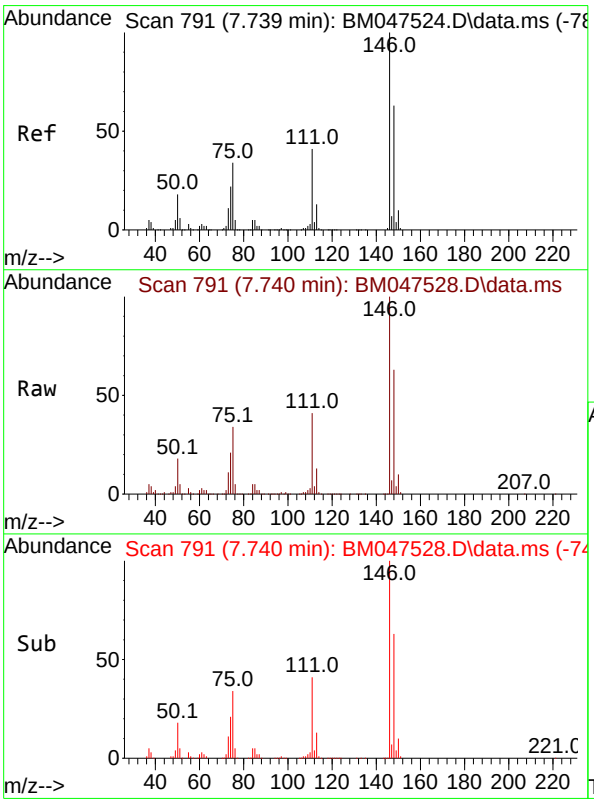
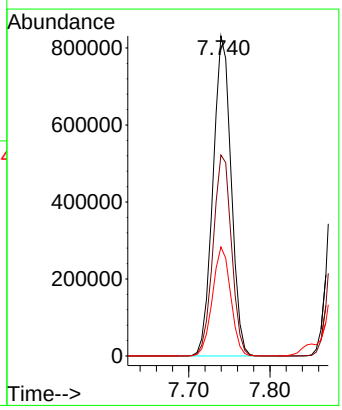
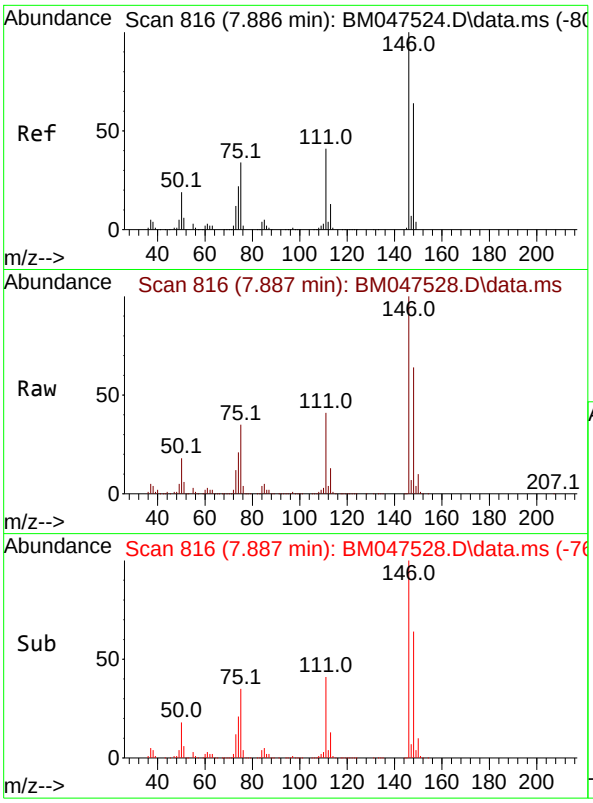


#12
1,3-Dichlorobenzene
Concen: 39.323 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:146 Resp: 1291907

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.2	75.4
75	34.1	27.4	41.0

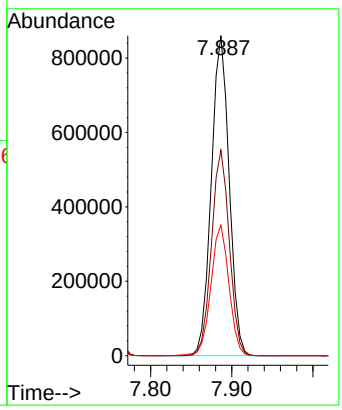




#13
1,4-Dichlorobenzene
Concen: 39.224 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:146 Resp: 131252

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
111	40.8	32.9	49.3



Instrument :
BNA_M
ClientSampleId :
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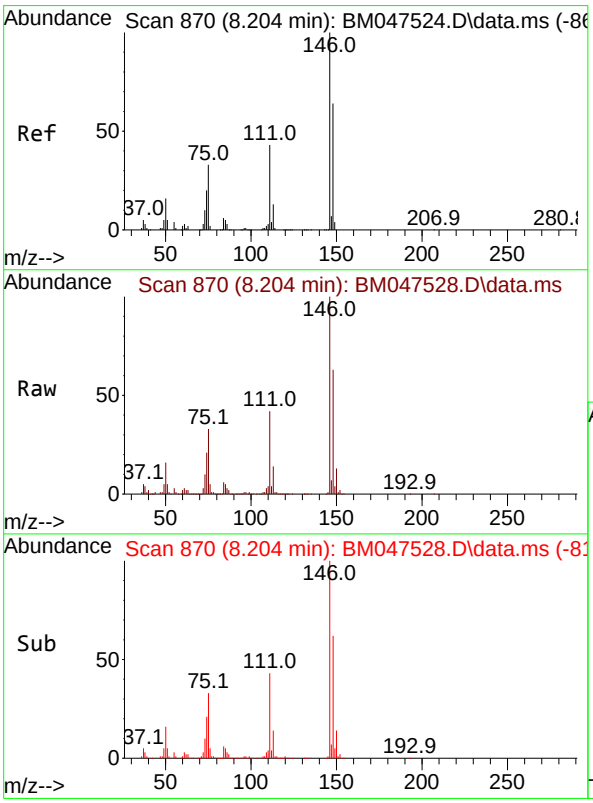
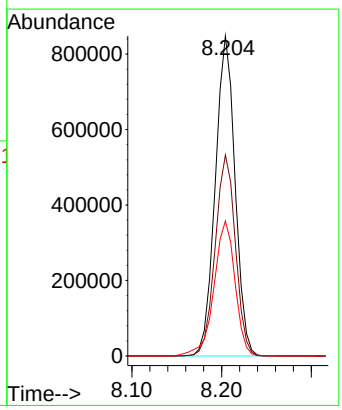
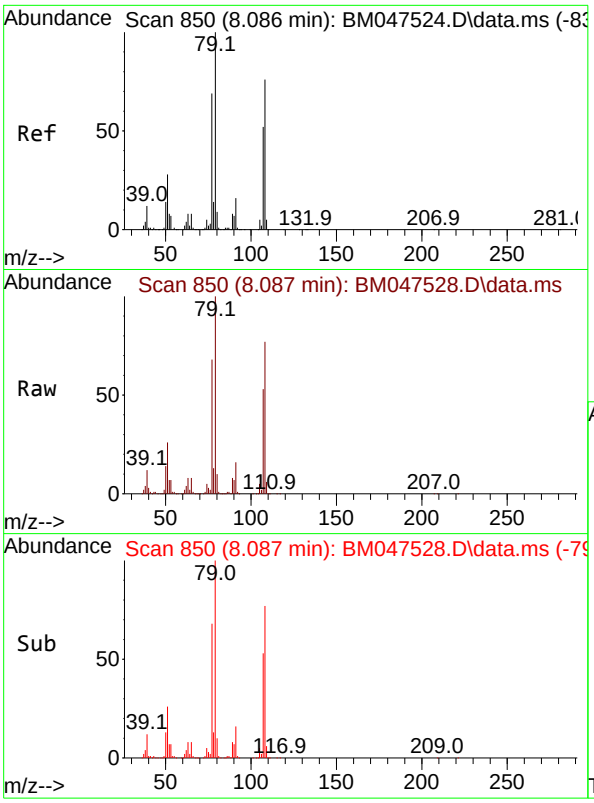


#14
1,2-Dichlorobenzene
Concen: 39.373 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:146 Resp: 1296593

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.1	76.7
111	42.2	34.7	52.1

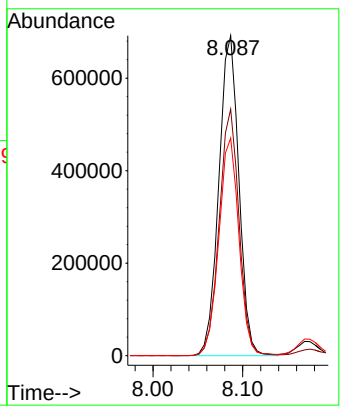




#15
Benzyl Alcohol
Concen: 41.322 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 79 Resp: 107325

Ion	Ratio	Lower	Upper
79	100		
108	77.1	60.6	91.0
77	68.0	55.0	82.4



Instrument :
BNA_M
ClientSampleId :
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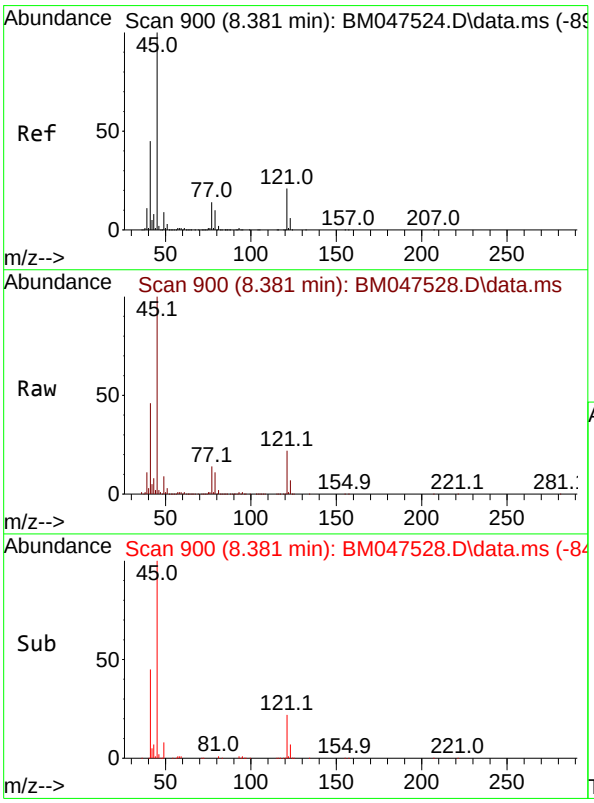
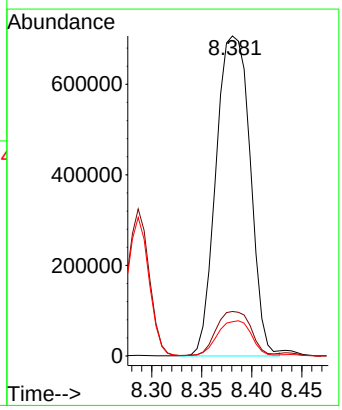
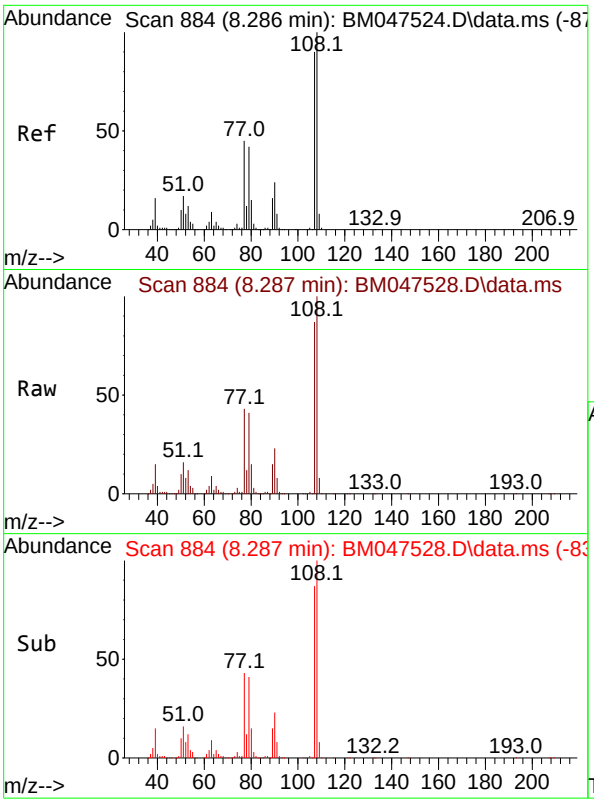


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.676 ng m
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 45 Resp: 1676915

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.7
79	10.7	0.0	30.3

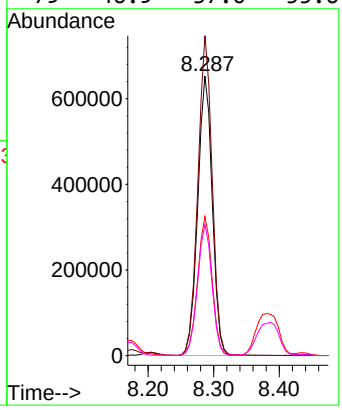




#17
2-Methylphenol
Concen: 40.947 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:107 Resp: 100430

Ion	Ratio	Lower	Upper
107	100		
108	114.5	88.9	133.3
77	49.8	39.8	59.8
79	46.9	37.0	55.6



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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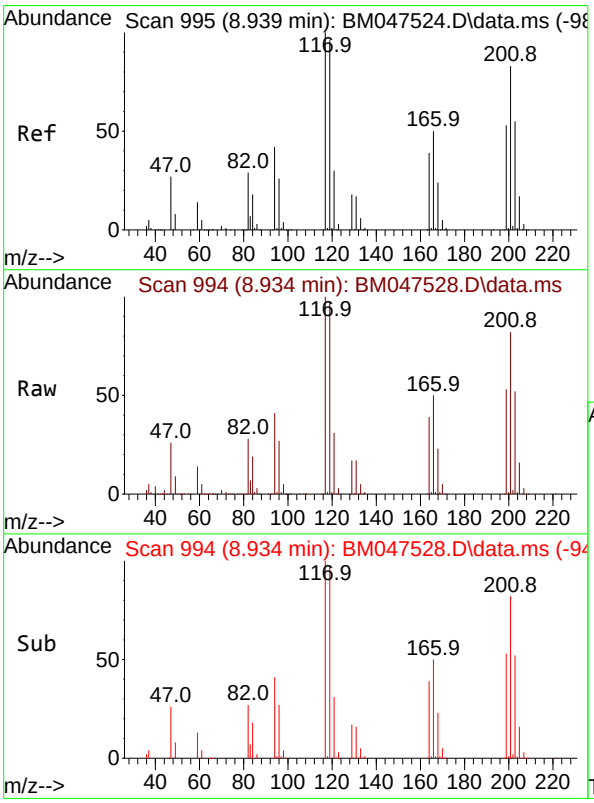
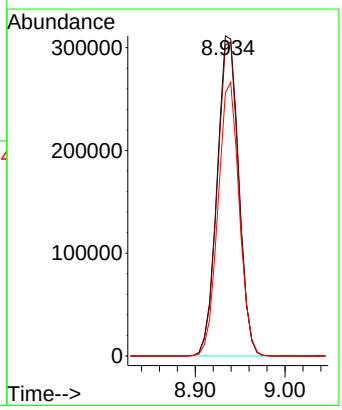
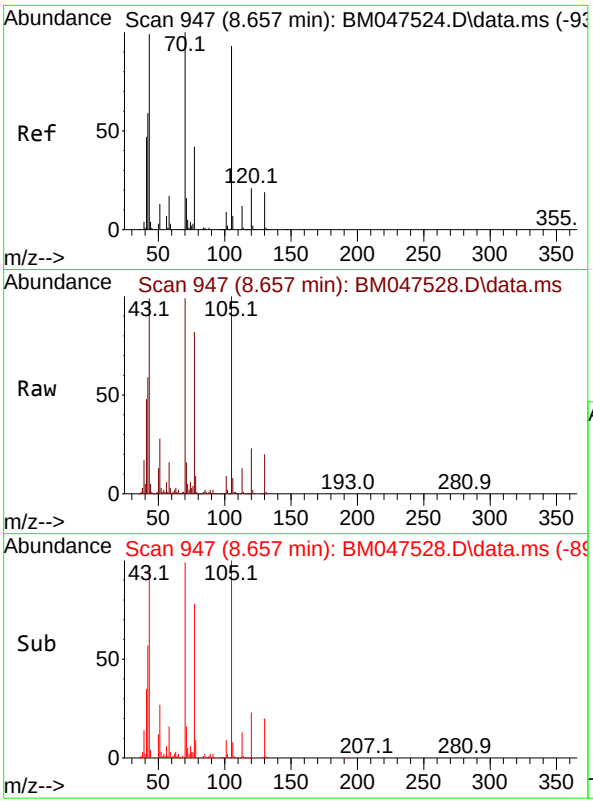


#18
Hexachloroethane
Concen: 39.026 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:117 Resp: 521681

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.0	115.4
201	82.2	66.8	100.2

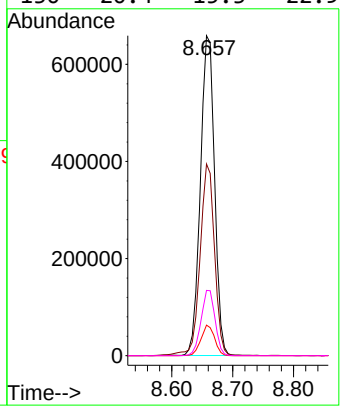




#19
n-Nitroso-di-n-propylamine
Concen: 41.297 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 70 Resp: 106762

Ion	Ratio	Lower	Upper
70	100		
42	59.9	48.2	72.2
101	9.5	7.0	10.4
130	20.4	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
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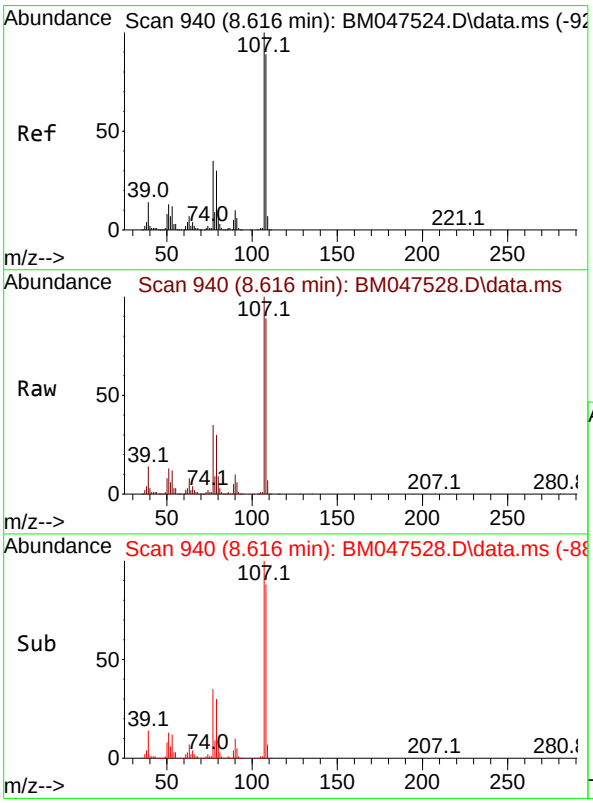
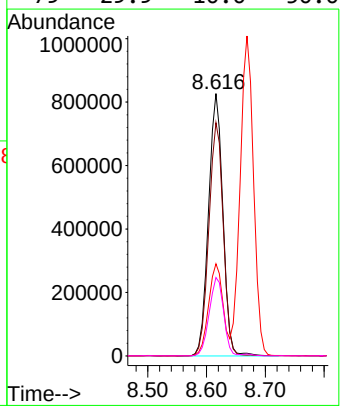
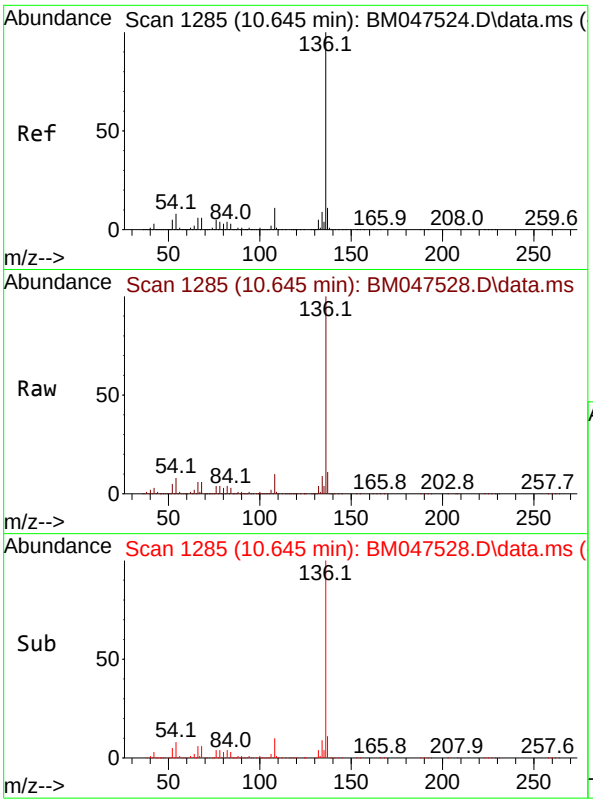


#20
3+4-Methylphenols
Concen: 41.091 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:107 Resp: 1406257

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.9	108.9
77	35.1	15.5	55.5
79	29.9	10.0	50.0

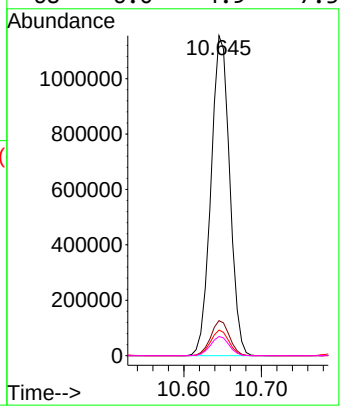




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:136 Resp: 193445

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	8.0	6.6	9.8
68	6.0	4.9	7.3



Instrument :
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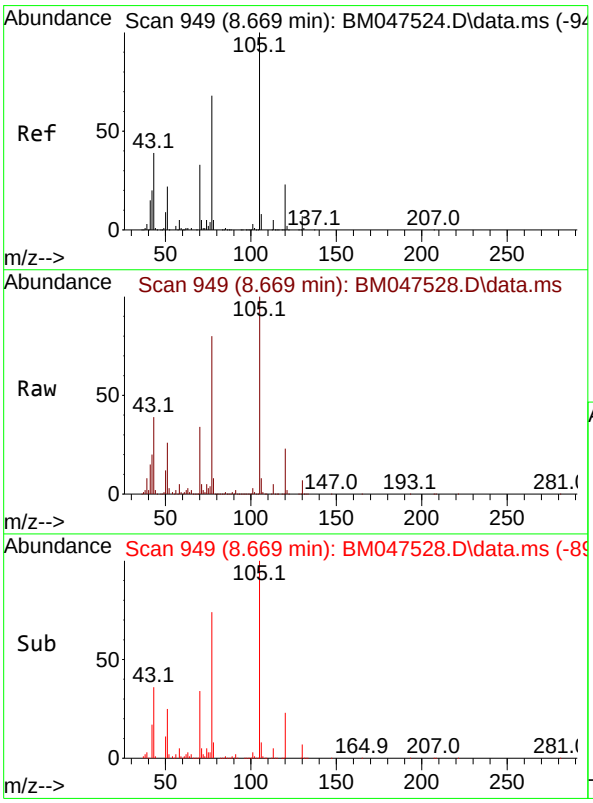
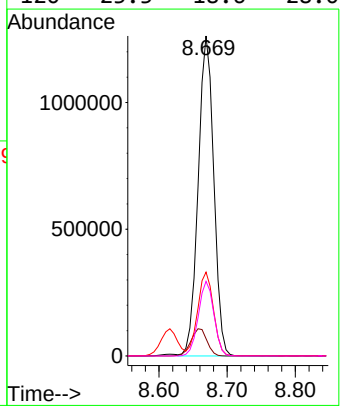
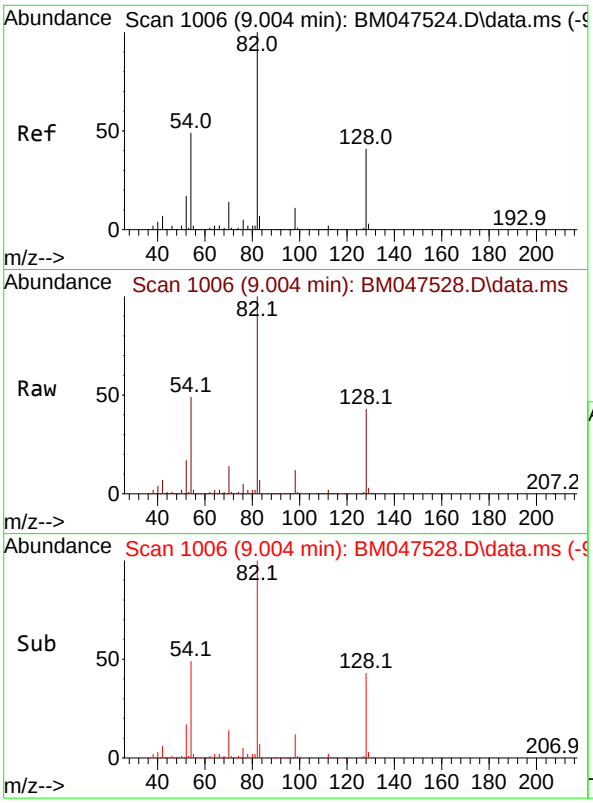


#22
Acetophenone
Concen: 39.445 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:105 Resp: 2006112

Ion	Ratio	Lower	Upper
105	100		
71	5.4	4.3	6.5
51	26.2	21.5	32.3
120	23.3	18.6	28.0

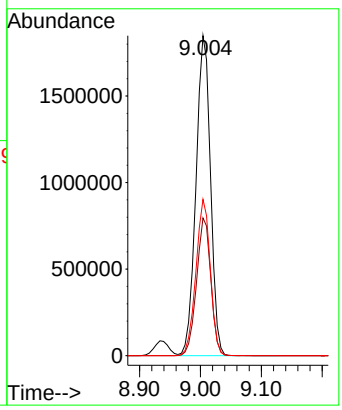




#23
Nitrobenzene-d5
Concen: 79.016 ng
RT: 9.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 82 Resp: 305425

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.0	49.4
54	48.8	39.3	58.9



Instrument :
BNA_M
ClientSampleId :
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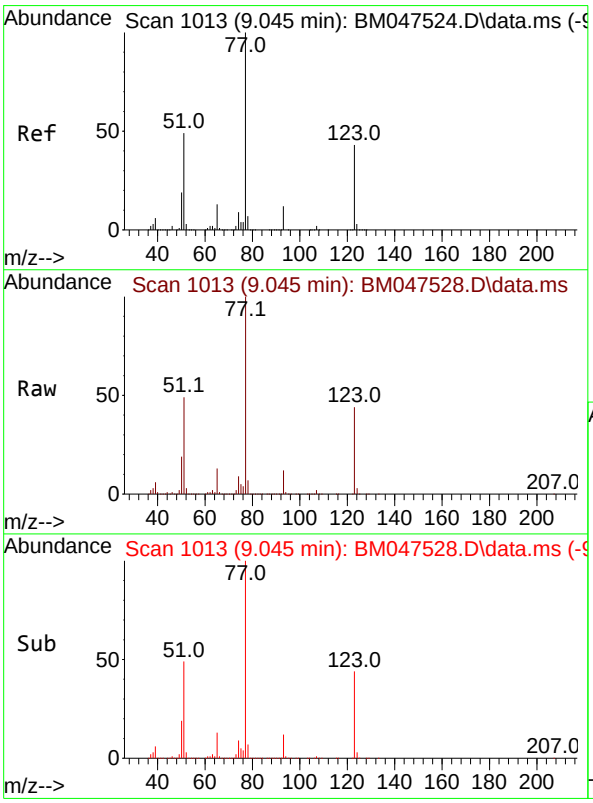
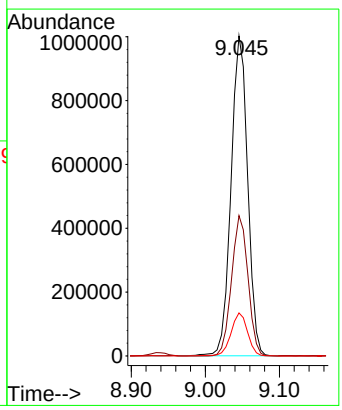
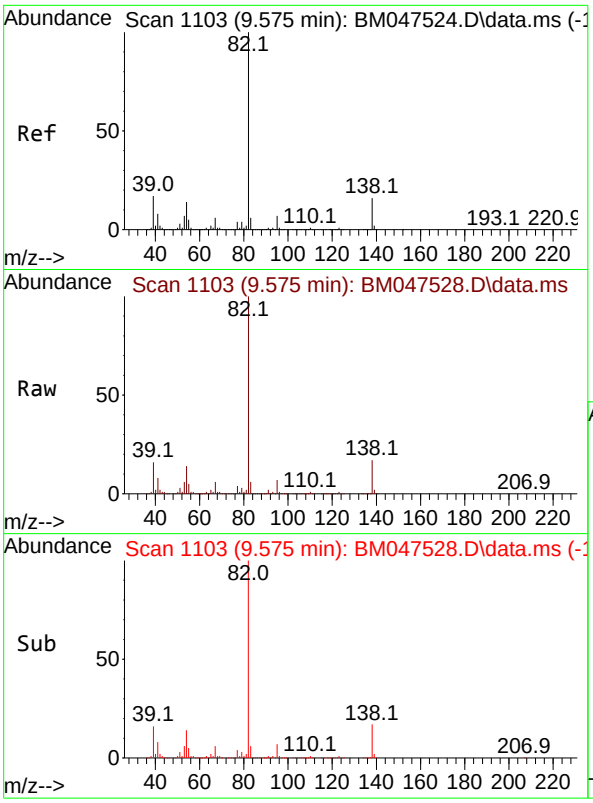


#24
Nitrobenzene
Concen: 39.215 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 77 Resp: 1557585

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.5	51.7
65	13.4	10.7	16.1

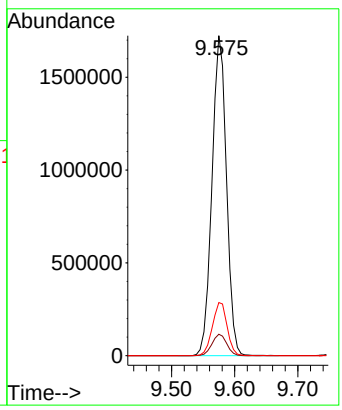




#25
Isophorone
Concen: 40.365 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 82 Resp: 274300

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.0
138	16.6	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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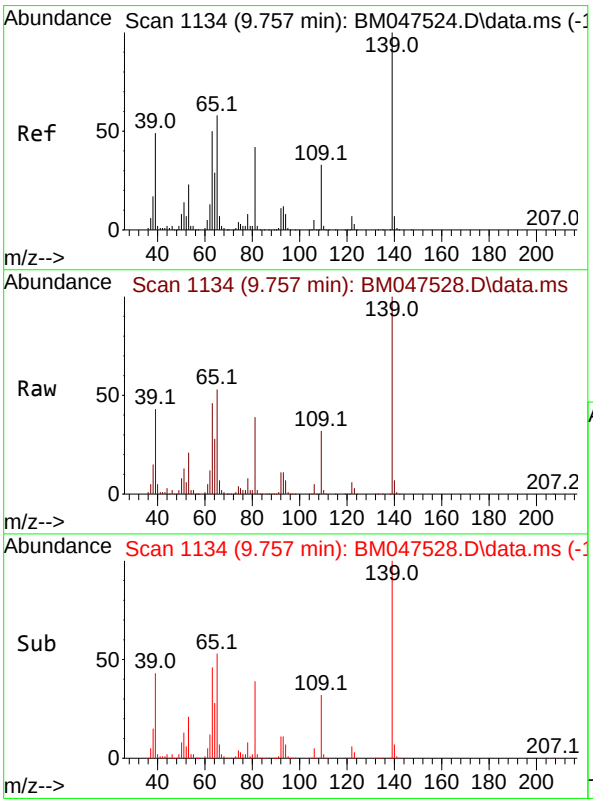
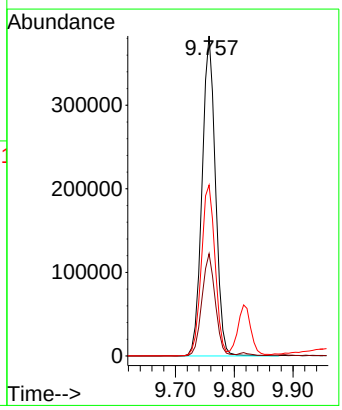
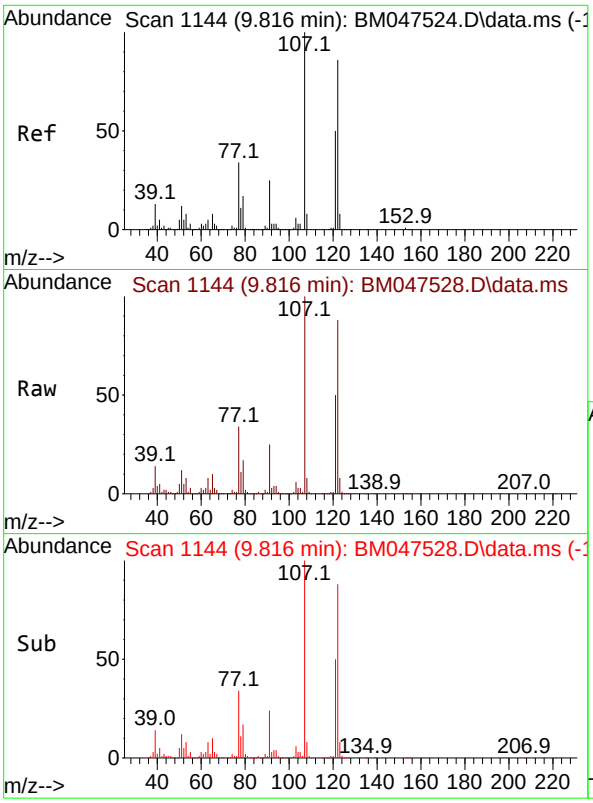


#26
2-Nitrophenol
Concen: 44.791 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:139 Resp: 606239

Ion	Ratio	Lower	Upper
139	100		
109	31.9	26.0	39.0
65	53.4	46.2	69.4

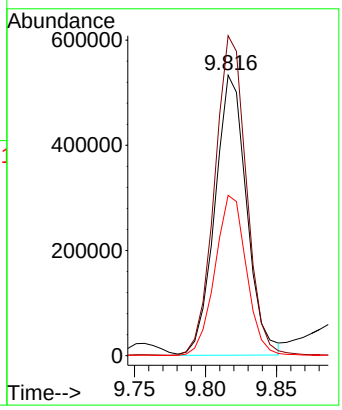




#27
2,4-Dimethylphenol
Concen: 40.331 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:122 Resp: 82748

Ion	Ratio	Lower	Upper
122	100		
107	114.1	92.4	138.6
121	57.2	46.2	69.4



Instrument :
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ClientSampleId :
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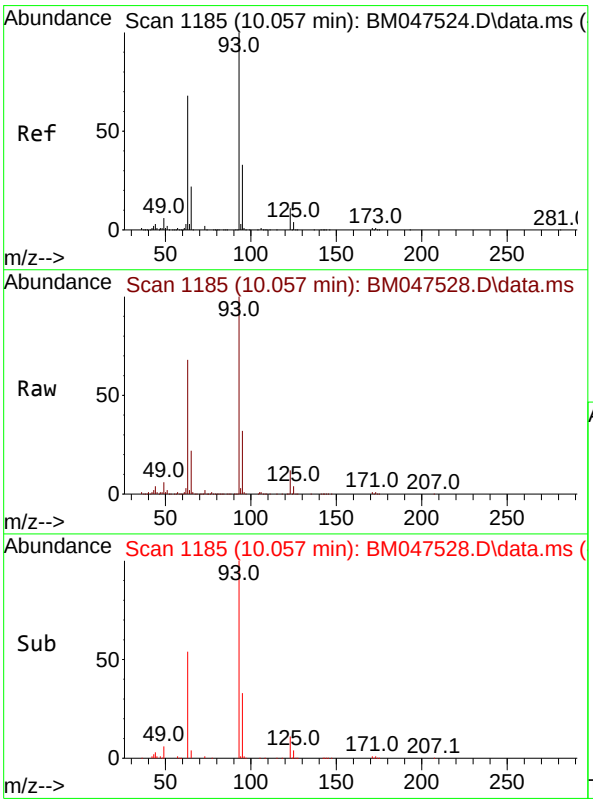
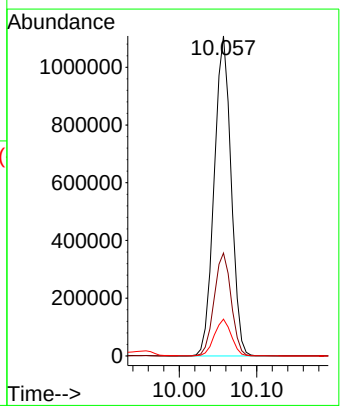
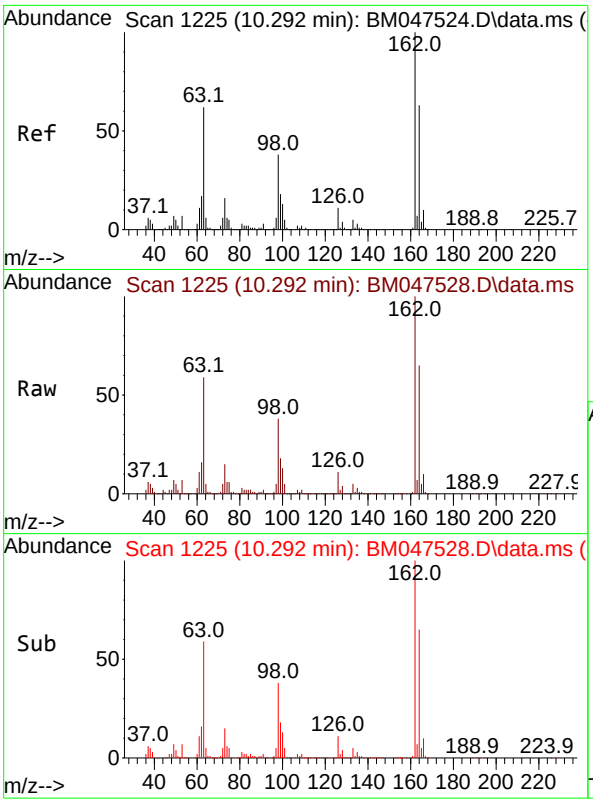


#28
bis(2-Chloroethoxy)methane
Concen: 39.457 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 93 Resp: 1684233

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.2
123	11.5	9.2	13.8

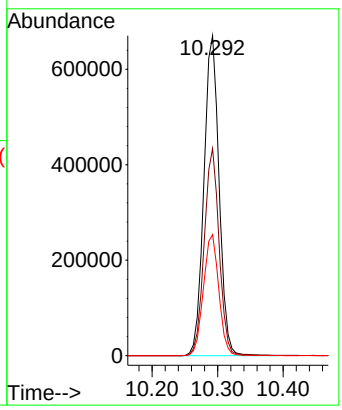




#29
2,4-Dichlorophenol
Concen: 41.509 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:162 Resp: 108200

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.5	83.5
98	37.8	17.6	57.6



Instrument :
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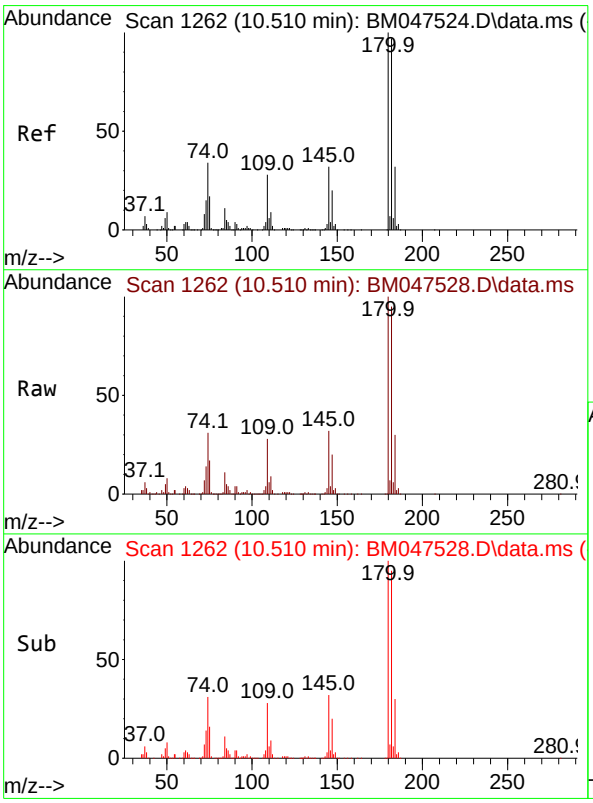
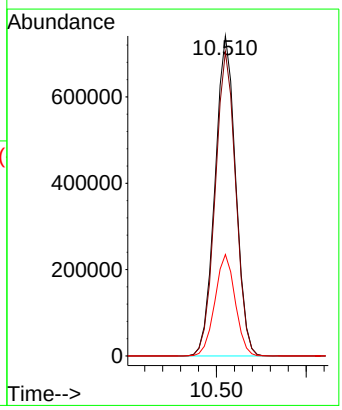
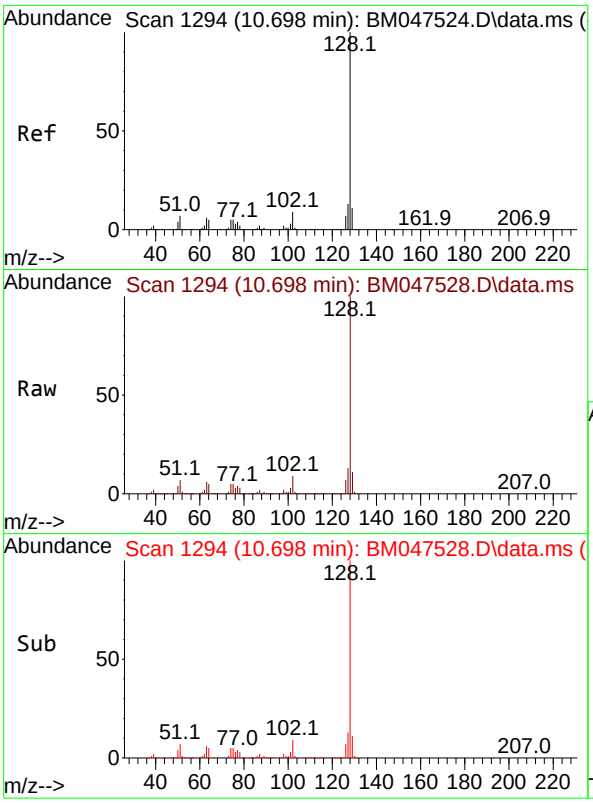


#30
1,2,4-Trichlorobenzene
Concen: 39.627 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:180 Resp: 1183219

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.6	116.4
145	31.7	25.4	38.0

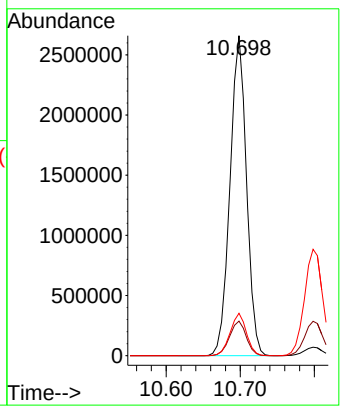




#31
Naphthalene
Concen: 39.330 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:128 Resp: 410902

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.3	10.5	15.7



Instrument :
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ClientSampleId :
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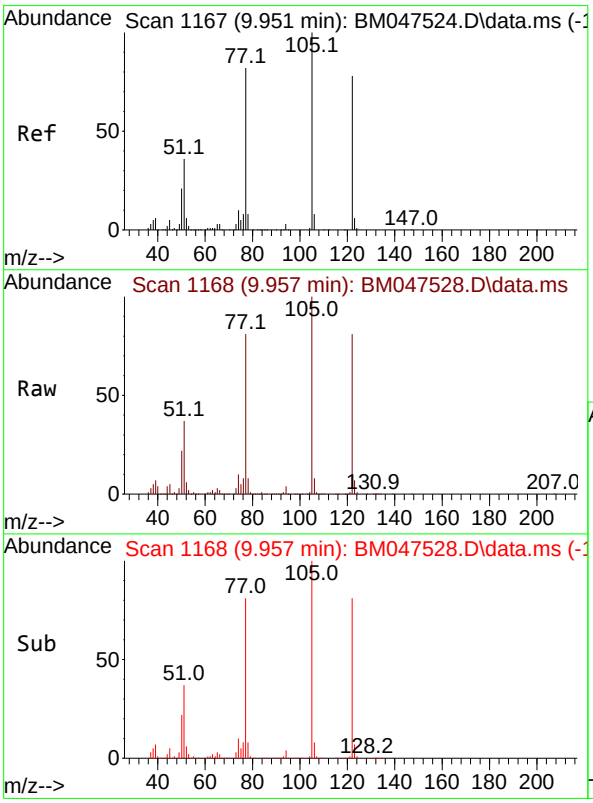
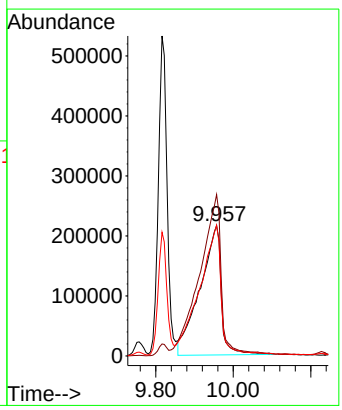
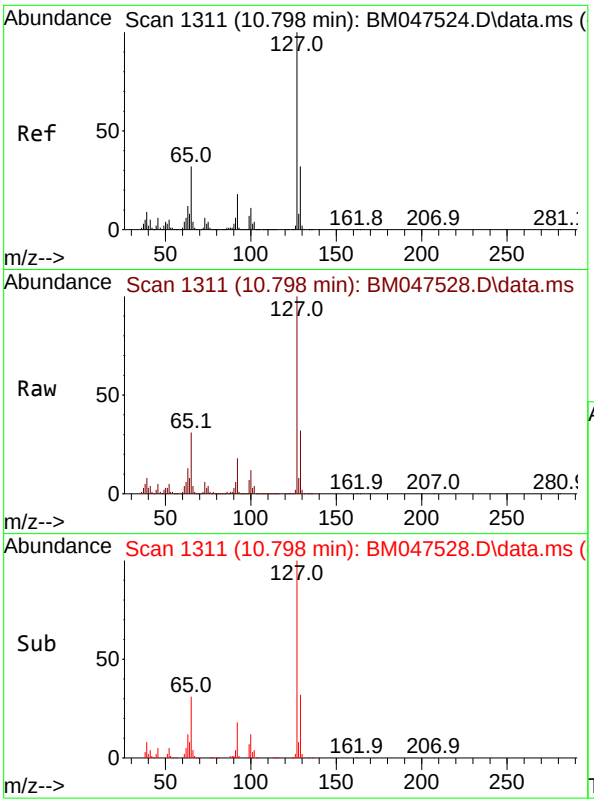


#32
Benzoic acid
Concen: 41.565 ng
RT: 9.957 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:122 Resp: 819547

Ion	Ratio	Lower	Upper
122	100		
105	124.0	104.7	144.7
77	100.5	83.4	123.4

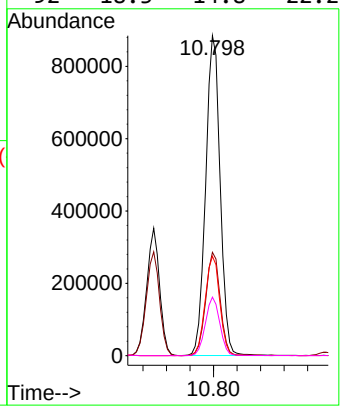




#33
4-Chloroaniline
Concen: 40.157 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:127 Resp: 151687

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.0
65	31.1	25.5	38.3
92	18.3	14.8	22.2



Instrument :
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ClientSampleId :
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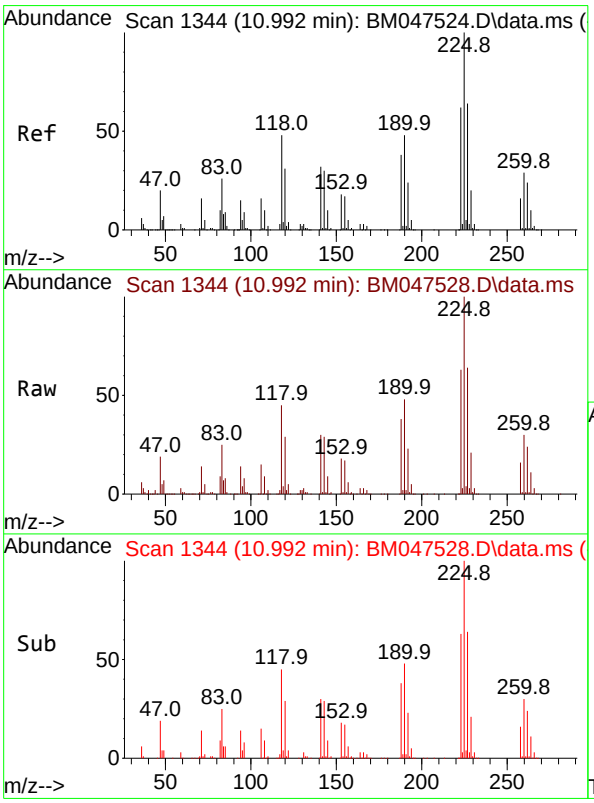
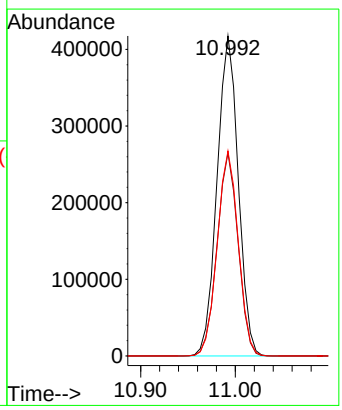
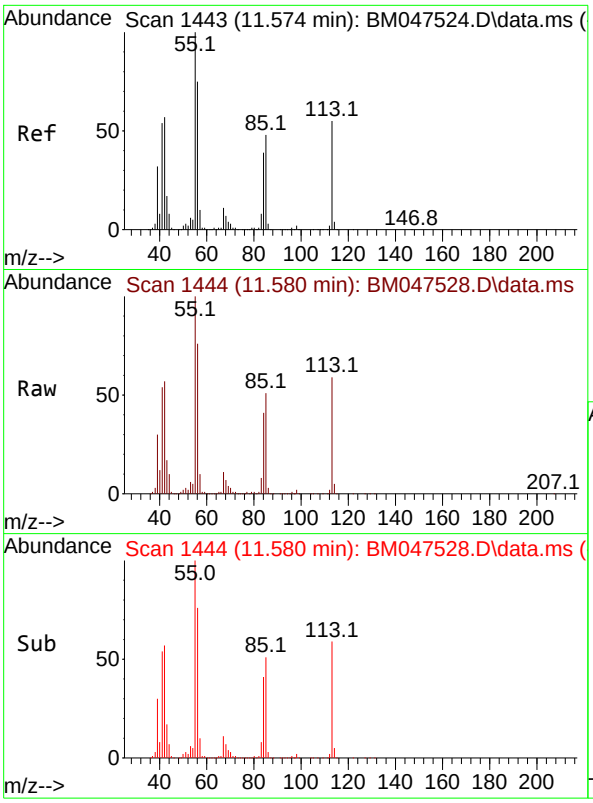


#34
Hexachlorobutadiene
Concen: 39.303 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:225 Resp: 650005

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.6
227	64.1	51.0	76.4

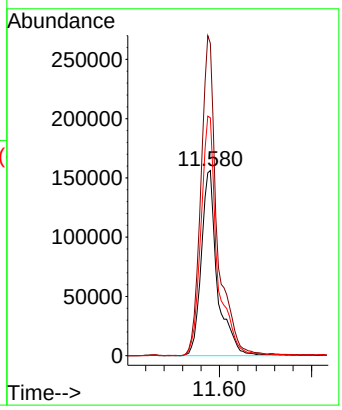




#35
Caprolactam
Concen: 44.462 ng
RT: 11.580 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:113 Resp: 38173

Ion	Ratio	Lower	Upper
113	100		
55	168.7	162.5	202.5
56	128.5	116.5	156.5



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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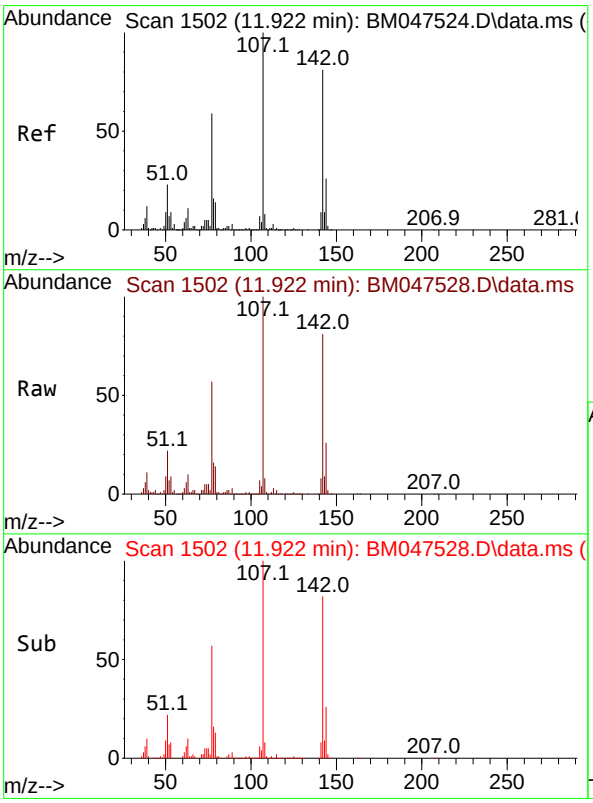
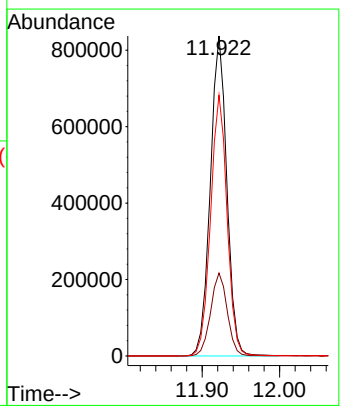
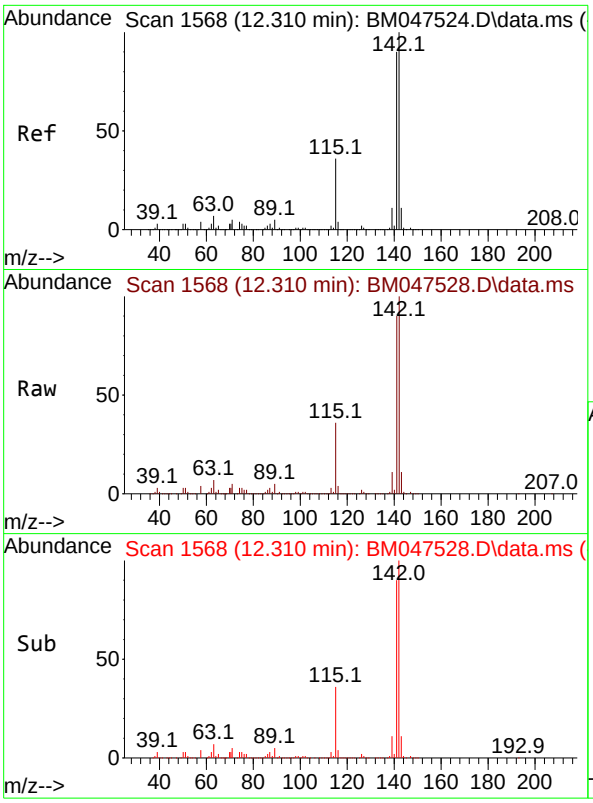


#36
4-Chloro-3-methylphenol
Concen: 41.503 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:107 Resp: 1239823

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	81.5	65.0	97.4

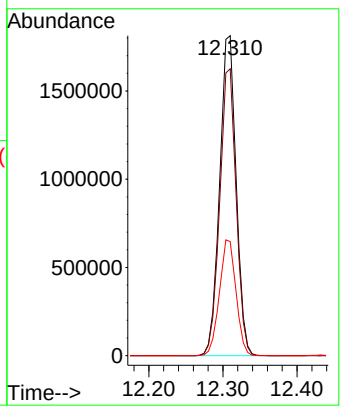




#37
2-Methylnaphthalene
Concen: 40.287 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:142 Resp: 280132

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.2	108.4
115	35.7	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
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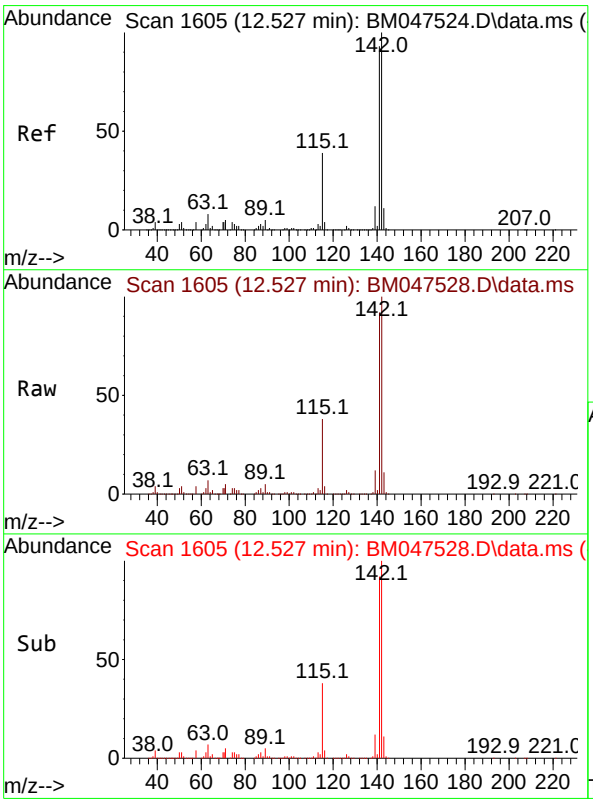
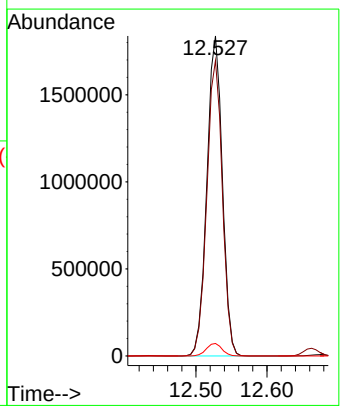
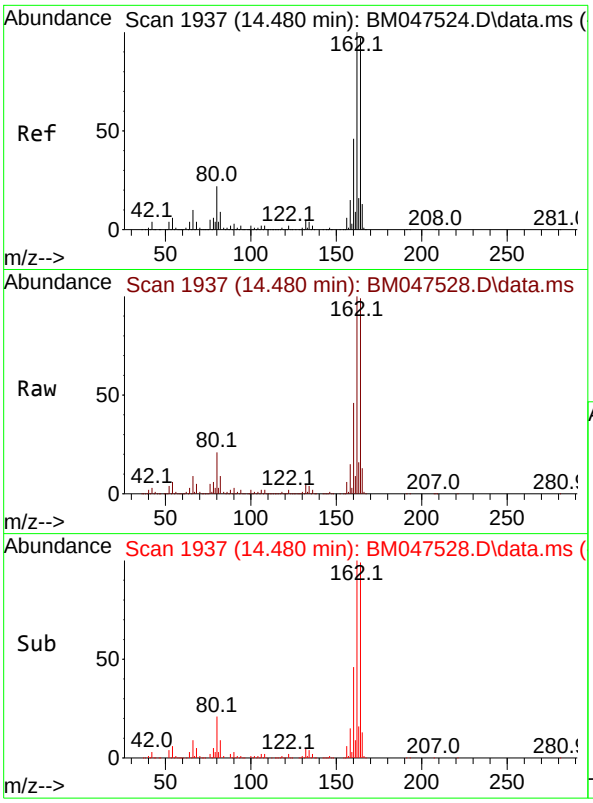


#38
1-Methylnaphthalene
Concen: 40.366 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:142 Resp: 2789337

Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.7	112.1
116	3.9	3.2	4.8

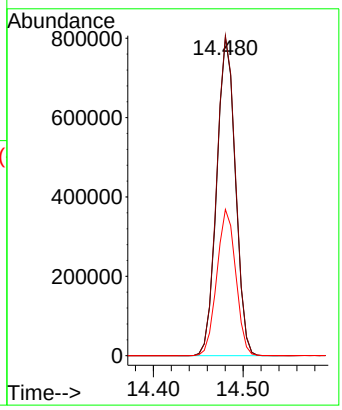




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:164 Resp: 115579

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.2	123.2
160	46.0	38.2	57.2



Instrument :
BNA_M
ClientSampleId :
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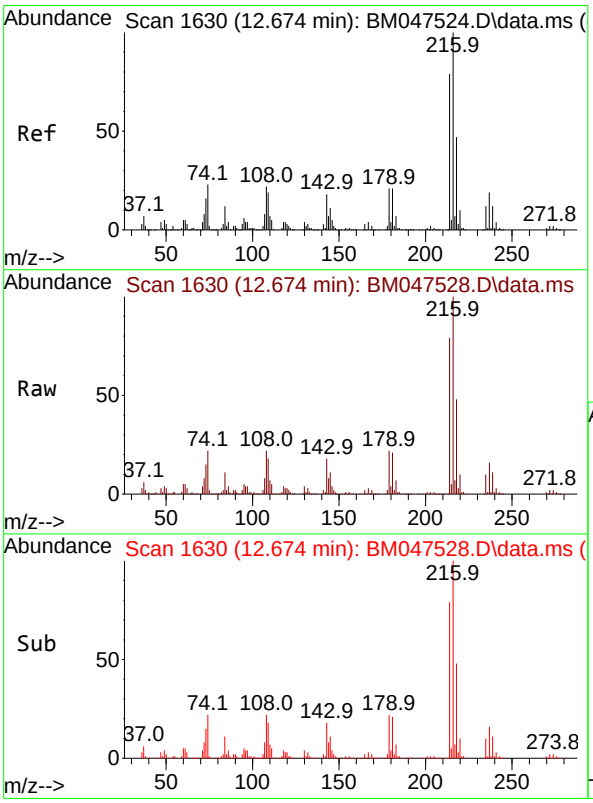
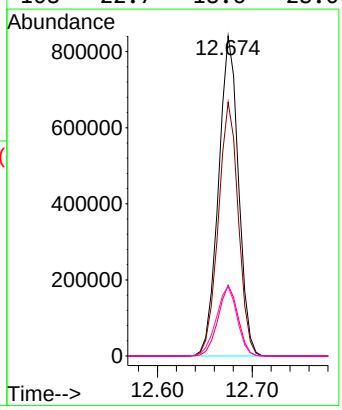
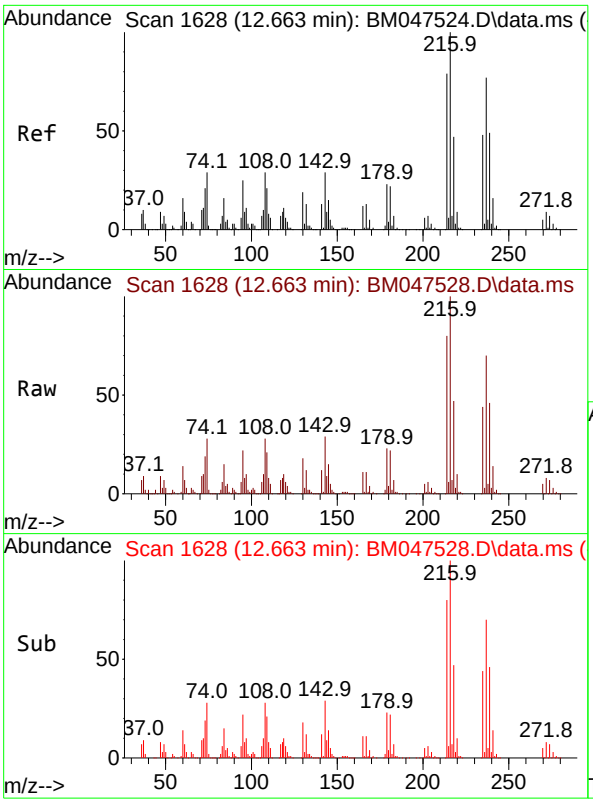


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.423 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:216 Resp: 1232956

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.0	94.6
179	21.9	17.5	26.3
108	22.7	18.6	28.0

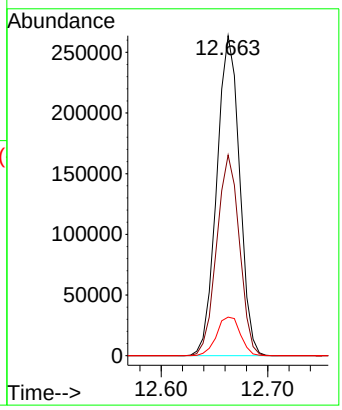




#41
Hexachlorocyclopentadiene
Concen: 38.330 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:237 Resp: 39188

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.0	82.0
272	12.0	0.0	31.5



Instrument :
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ClientSampleId :
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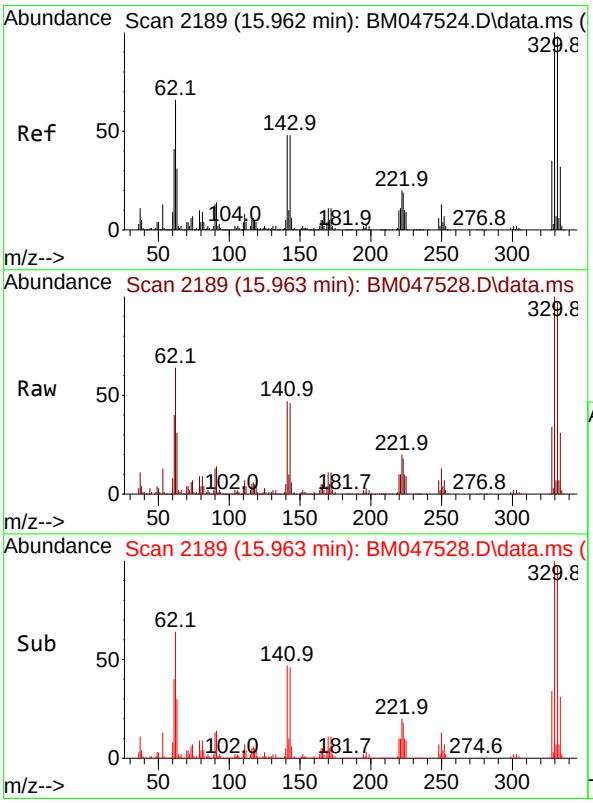
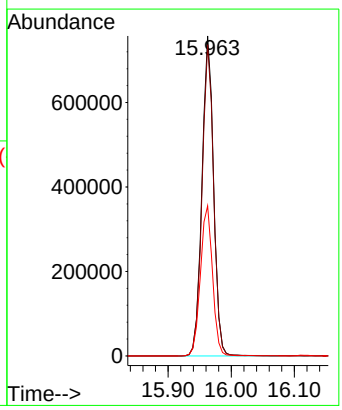
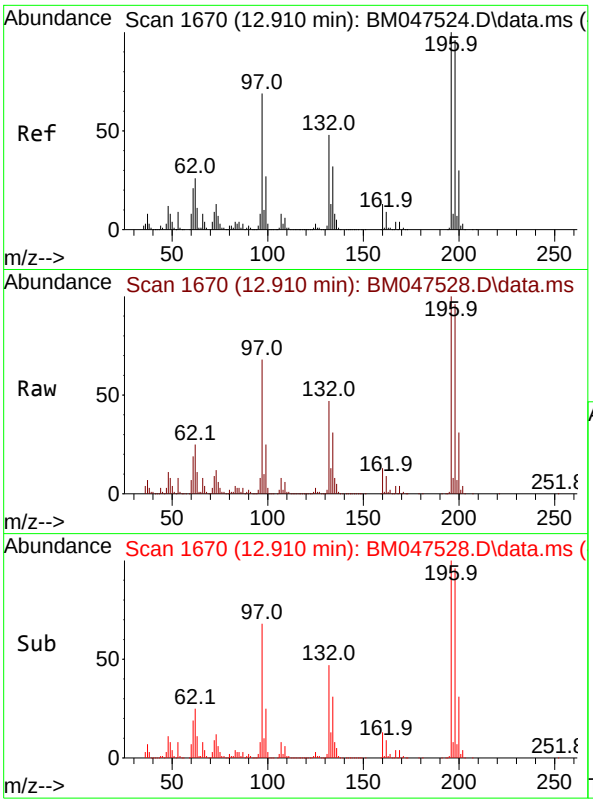


#42
2,4,6-Tribromophenol
Concen: 86.666 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:330 Resp: 968206

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	48.9	42.2	63.2

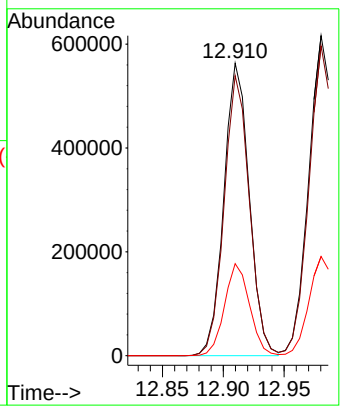




#43
2,4,6-Trichlorophenol
Concen: 41.805 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:196 Resp: 81911

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.9	115.3
200	31.5	24.3	36.5



Instrument :
BNA_M
ClientSampleId :
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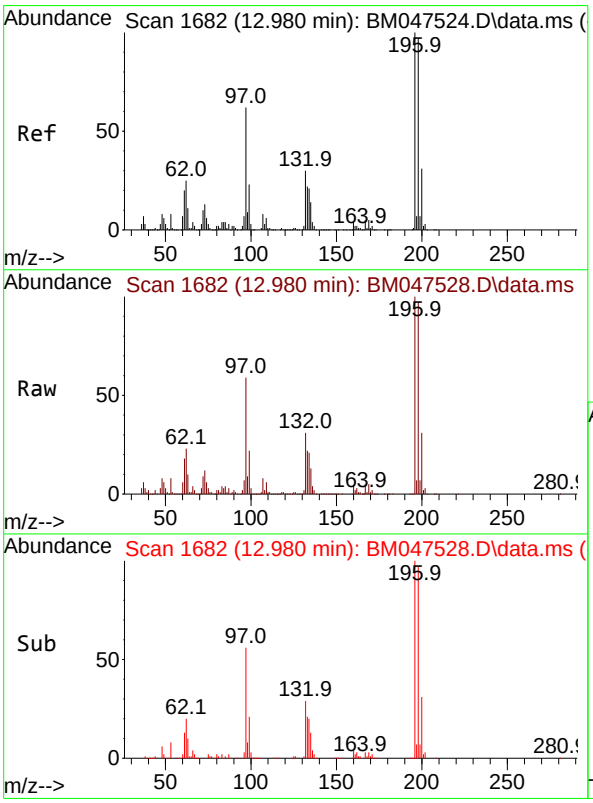
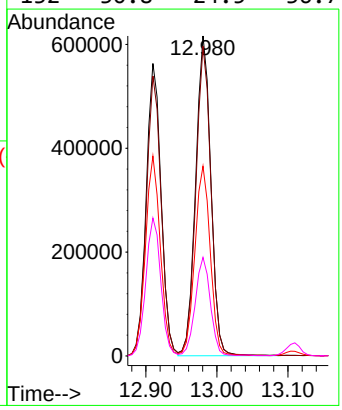
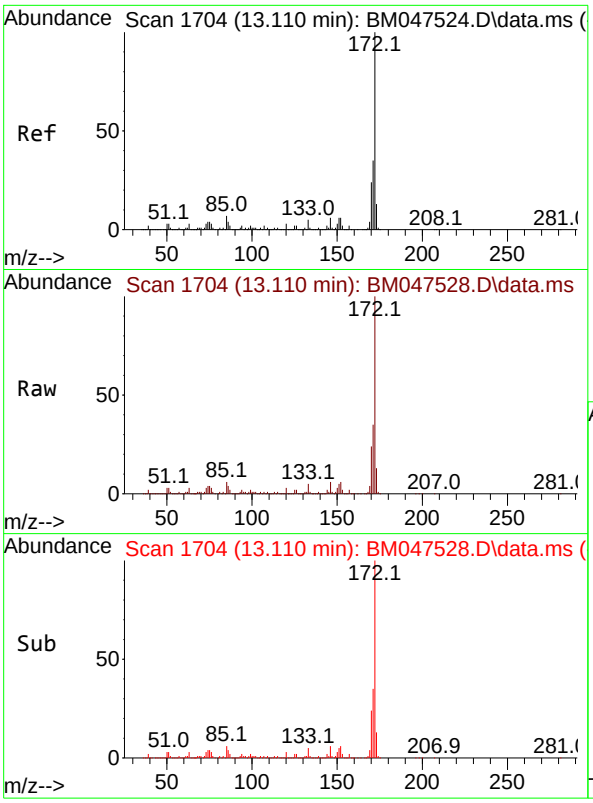


#44
2,4,5-Trichlorophenol
Concen: 41.595 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:196 Resp: 920532

Ion	Ratio	Lower	Upper
196	100		
198	96.8	77.4	116.2
97	59.3	49.8	74.8
132	30.8	24.5	36.7

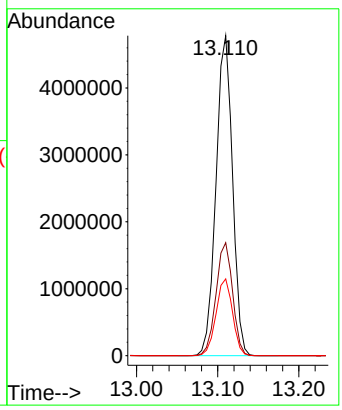




#45
2-Fluorobiphenyl
Concen: 80.575 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:172 Resp: 676049

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	24.0	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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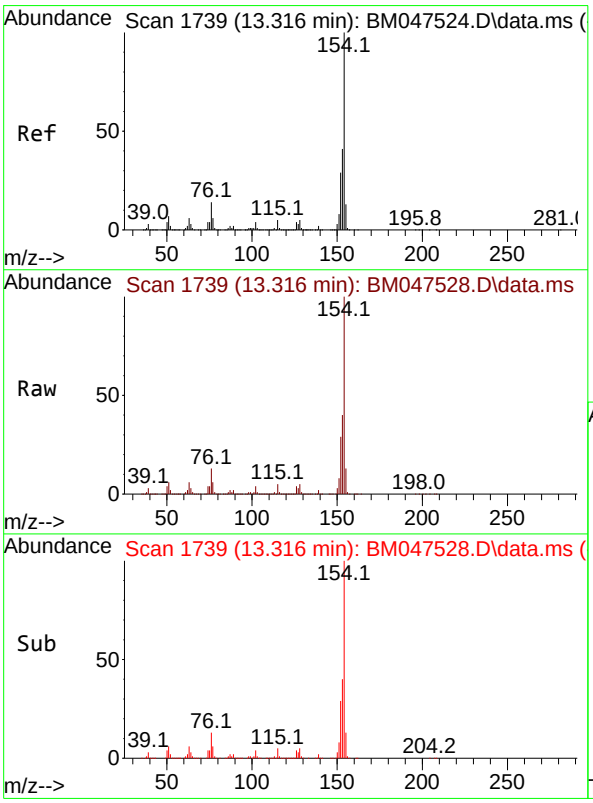
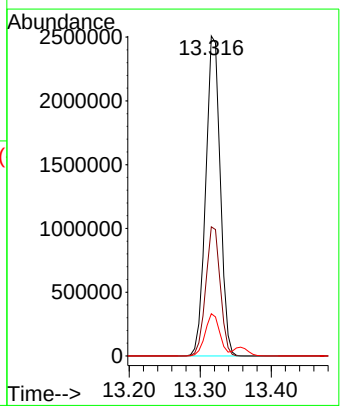
Supervised By :mohammad ahmed 09/17/2024

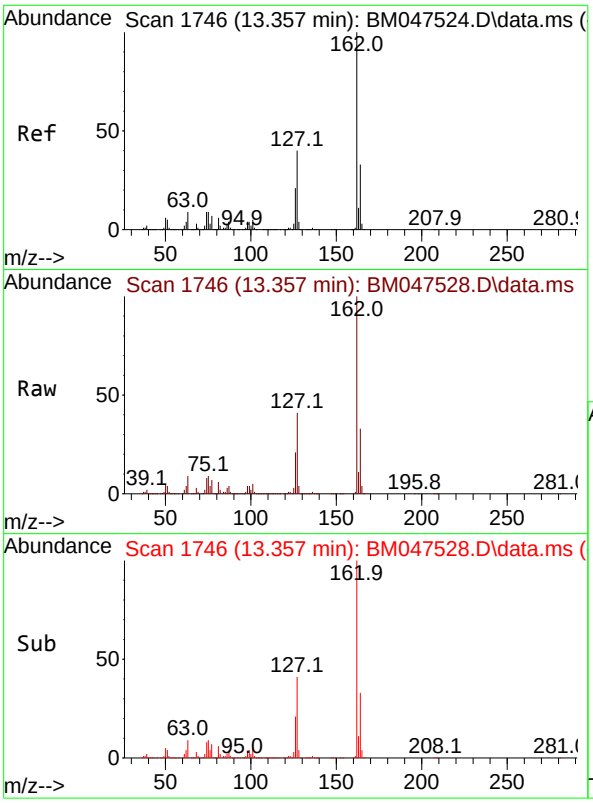


#46
1,1'-Biphenyl
Concen: 39.616 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:154 Resp: 3562522

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.6	60.6
76	13.2	0.0	33.9

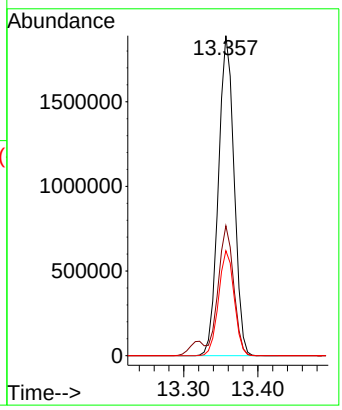




#47
2-Chloronaphthalene
Concen: 39.789 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:162 Resp: 277829

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.4
164	32.8	26.3	39.5



Instrument :
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ClientSampleId :
ICVBM091424

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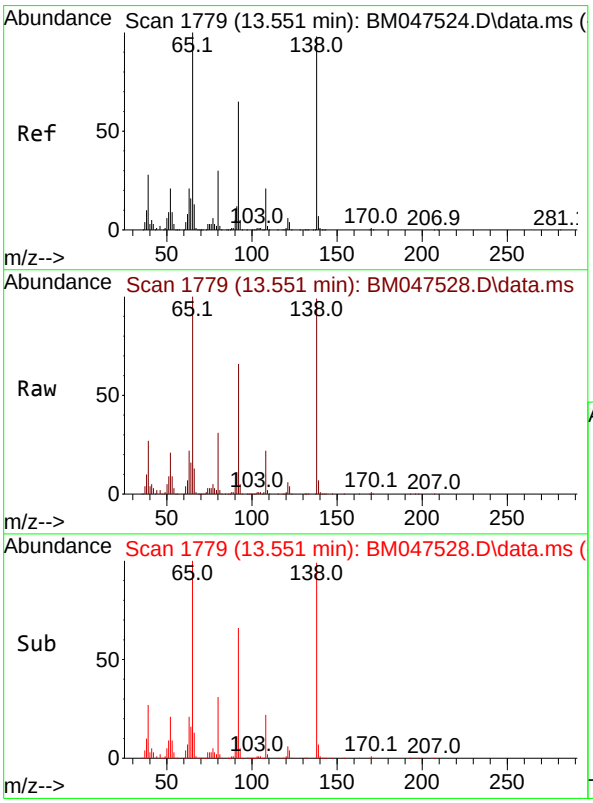
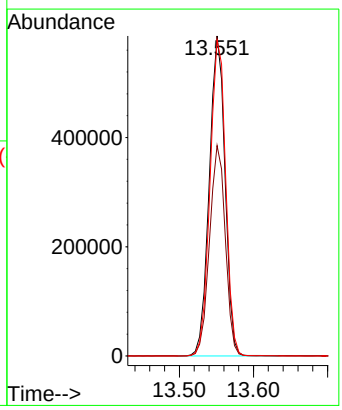
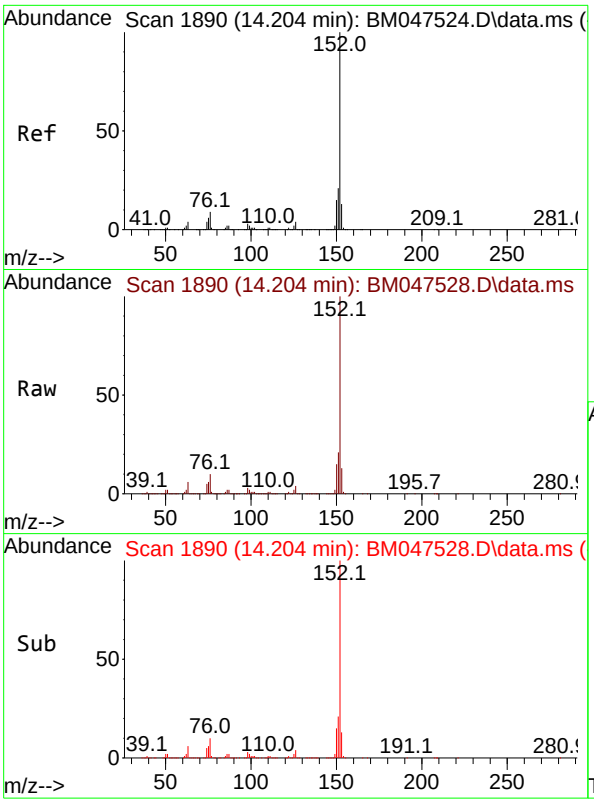


#48
2-Nitroaniline
Concen: 42.070 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 65 Resp: 862825

Ion	Ratio	Lower	Upper
65	100		
92	65.8	51.9	77.9
138	98.8	78.5	117.7

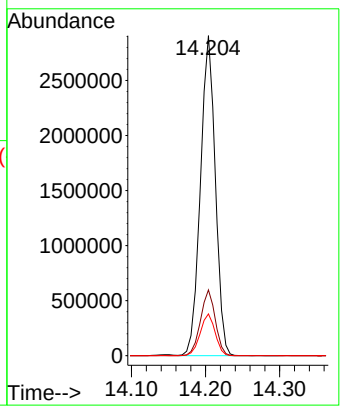




#49
Acenaphthylene
Concen: 40.313 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:152 Resp: 406212

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7
153	13.1	10.4	15.6



Instrument :
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ClientSampleId :
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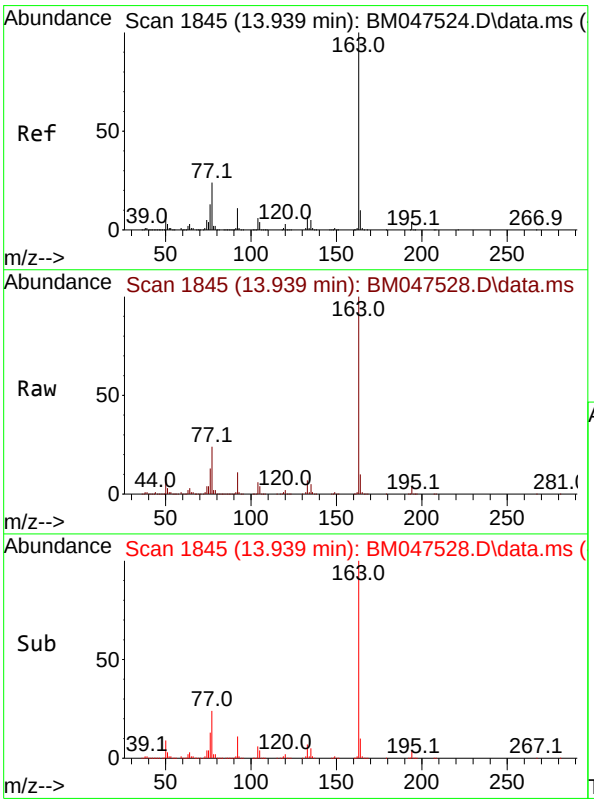
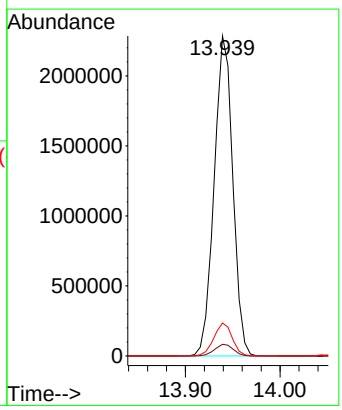
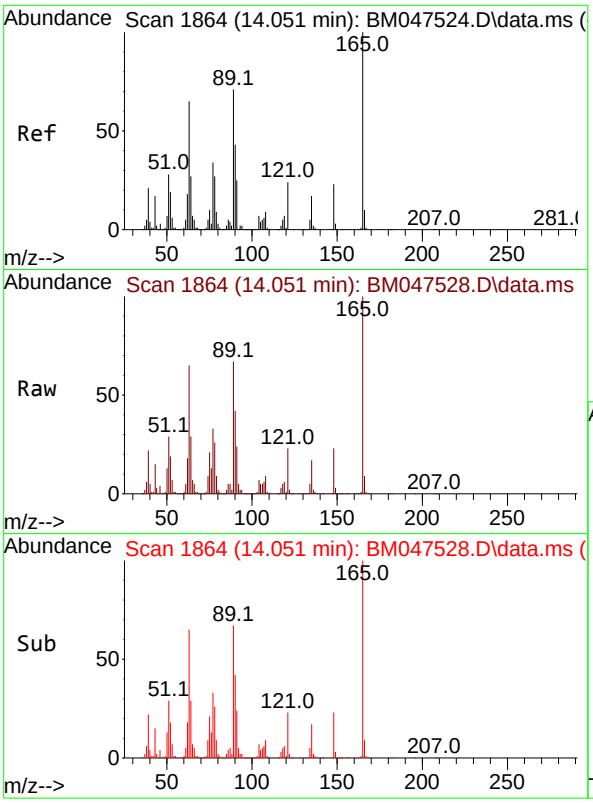


#50
Dimethylphthalate
Concen: 39.733 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:163 Resp: 3130077

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.3	7.9	11.9

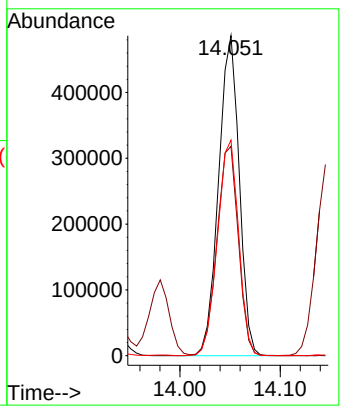




#51
2,6-Dinitrotoluene
Concen: 41.664 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:165 Resp: 69288

Ion	Ratio	Lower	Upper
165	100		
63	65.5	54.2	81.2
89	67.4	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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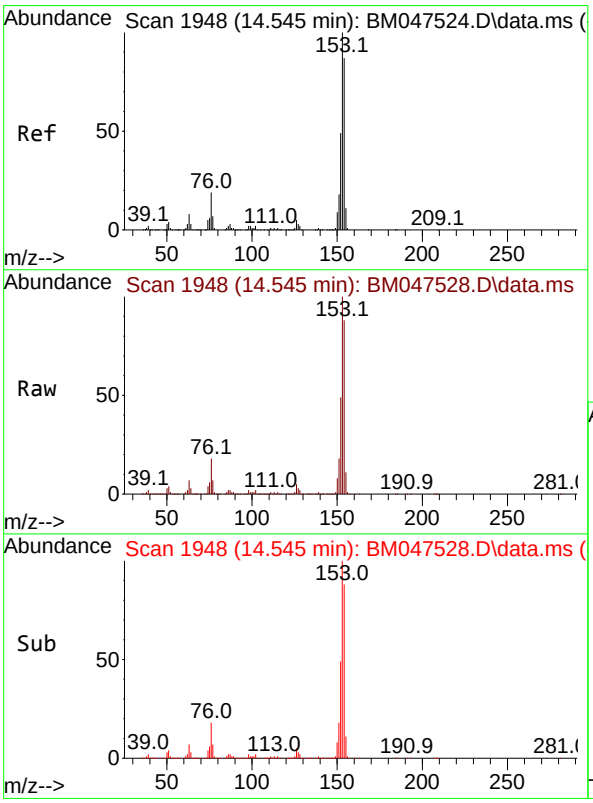
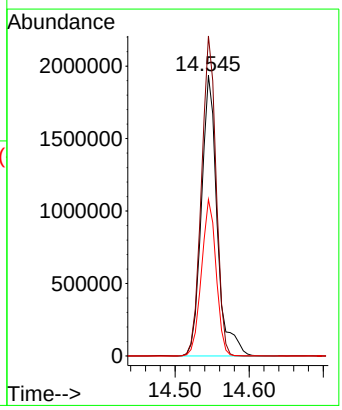
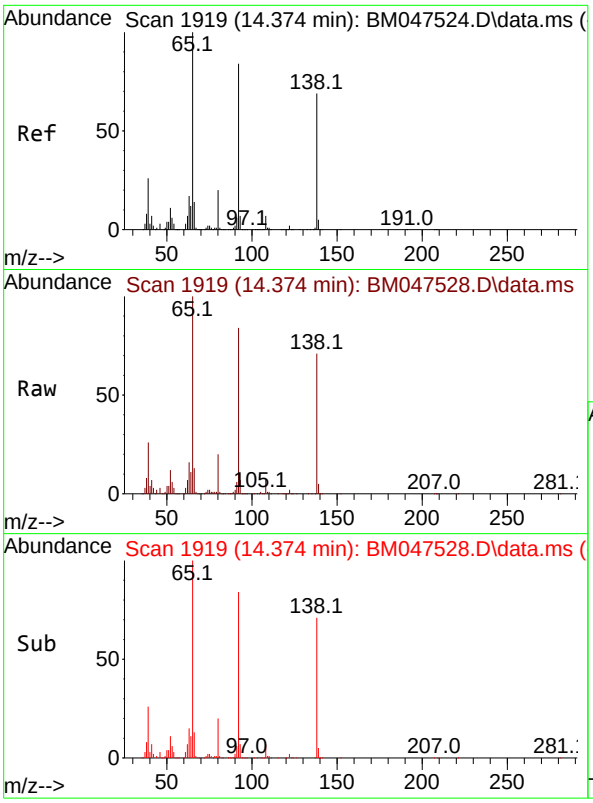


#52
Acenaphthene
Concen: 40.442 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:154 Resp: 2855304

Ion	Ratio	Lower	Upper
154	100		
153	114.1	92.2	138.2
152	55.8	45.4	68.0

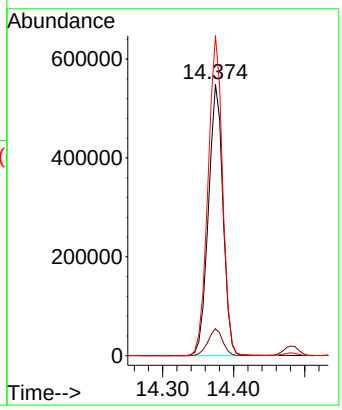




#53
3-Nitroaniline
Concen: 42.236 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:138 Resp: 78070

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.0	12.0
92	117.9	97.4	146.0



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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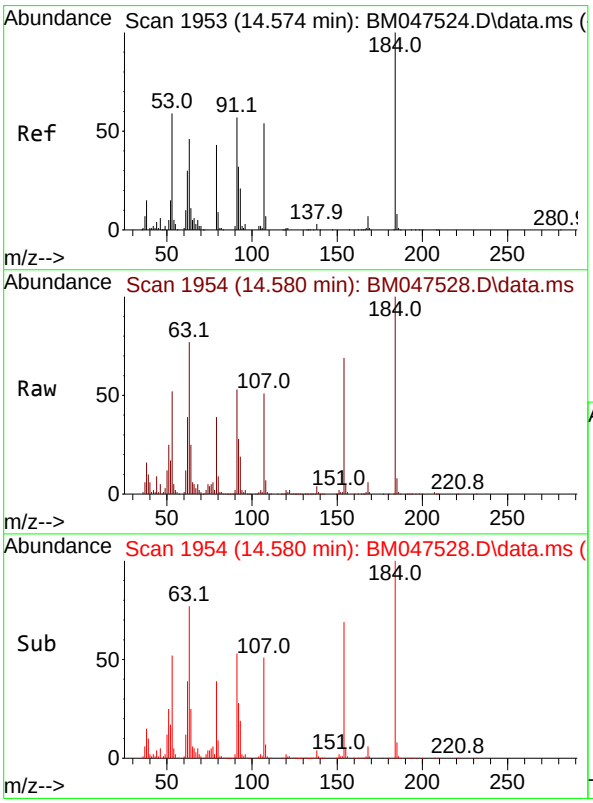
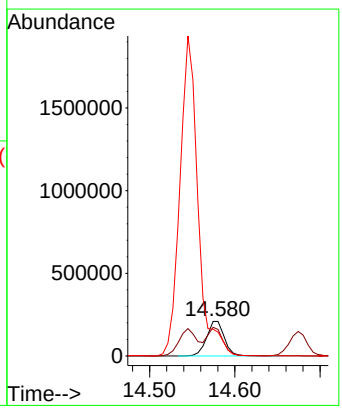
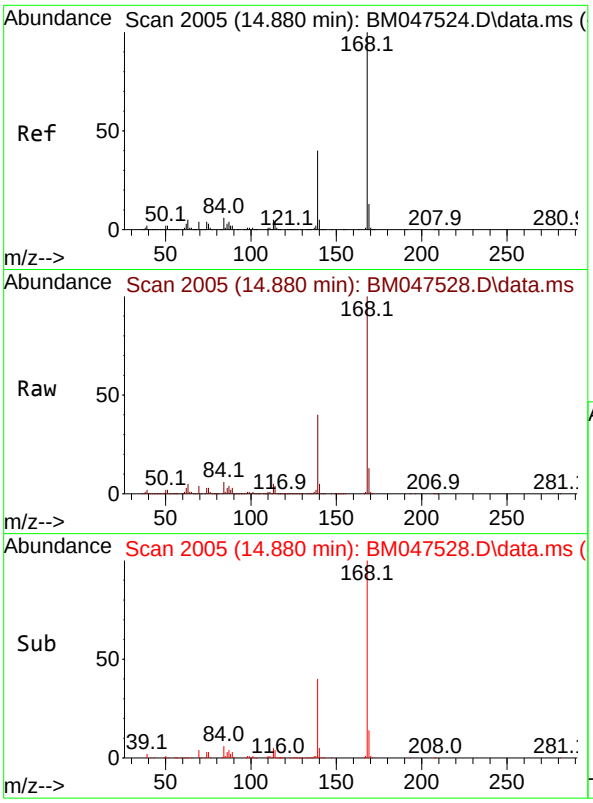


#54
2,4-Dinitrophenol
Concen: 41.320 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:184 Resp: 303273

Ion	Ratio	Lower	Upper
184	100		
63	76.9	69.4	104.0
154	68.7	60.4	90.6

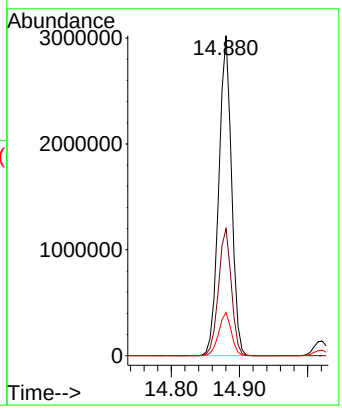




#55
Dibenzofuran
Concen: 39.603 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:168 Resp: 392908

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.9	47.9
169	13.5	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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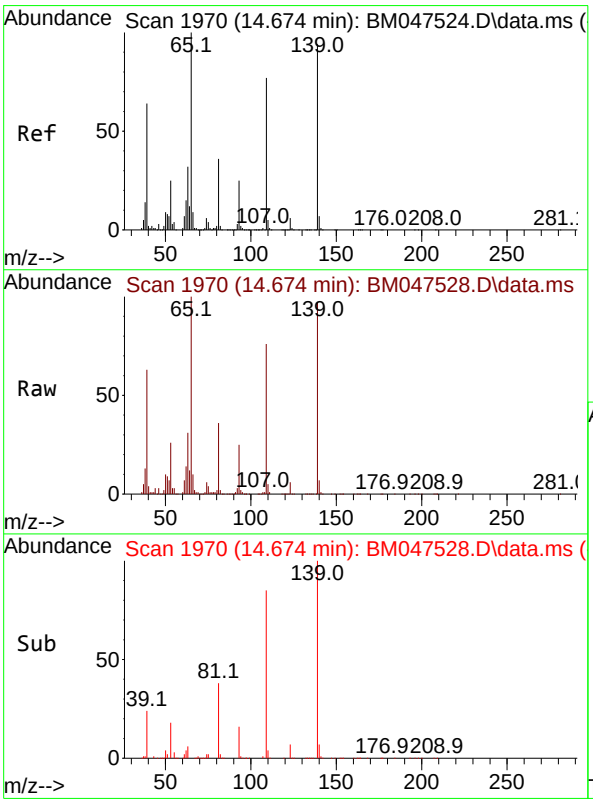
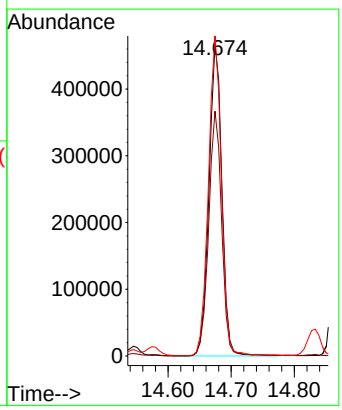
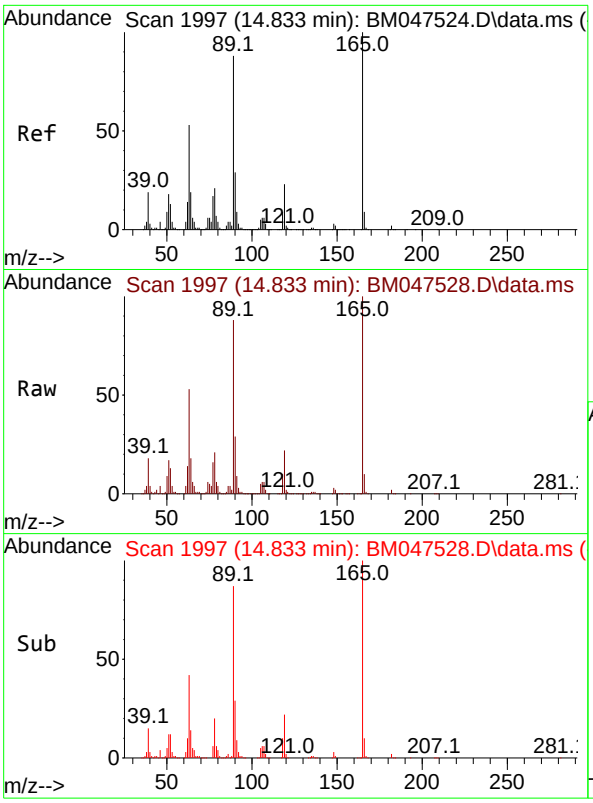


#56
4-Nitrophenol
Concen: 43.814 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:139 Resp: 666432

Ion	Ratio	Lower	Upper
139	100		
109	78.6	62.0	102.0
65	102.7	87.0	127.0

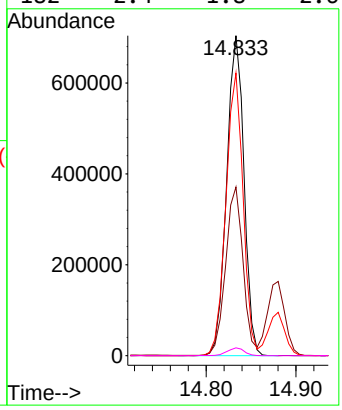




#57
2,4-Dinitrotoluene
Concen: 42.569 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:165 Resp: 94415

Ion	Ratio	Lower	Upper
165	100		
63	52.7	42.4	63.6
89	88.3	70.5	105.7
182	2.4	1.8	2.6



Instrument :
BNA_M
ClientSampleId :
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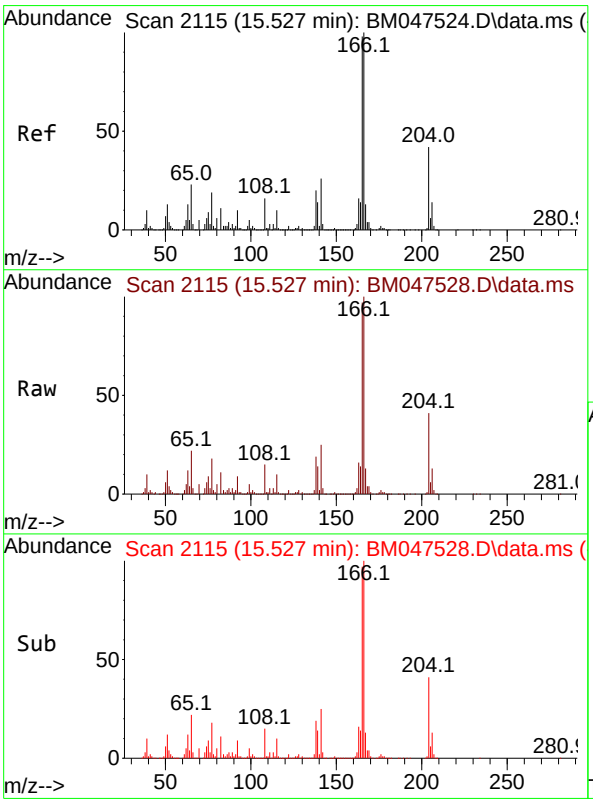
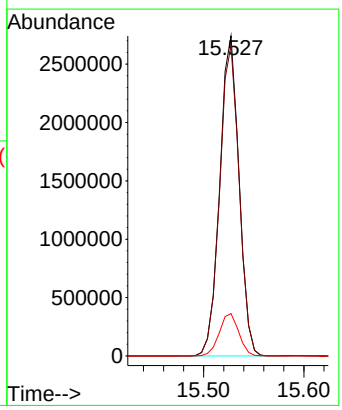
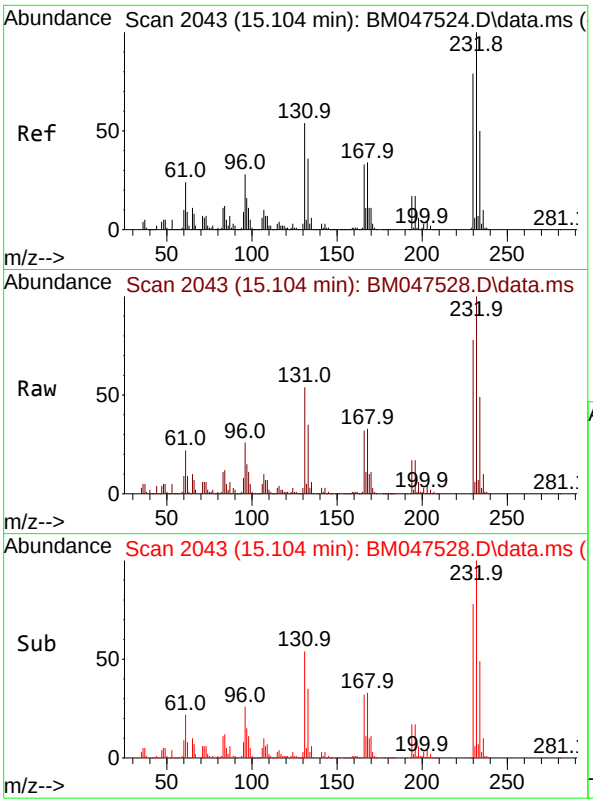


#58
Fluorene
Concen: 40.896 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:166 Resp: 3652975

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.6	117.8
167	13.2	10.7	16.1

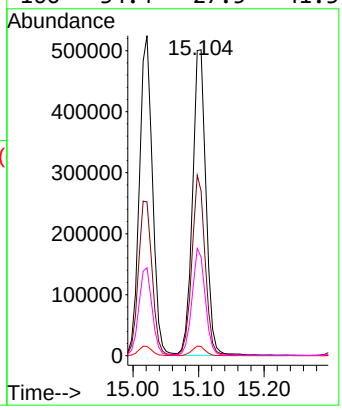




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.395 ng
RT: 15.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:232 Resp: 71425(

Ion	Ratio	Lower	Upper
232	100		
131	58.1	47.0	70.4
130	3.2	2.6	3.8
166	34.4	27.5	41.3



Instrument :
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ClientSampleId :
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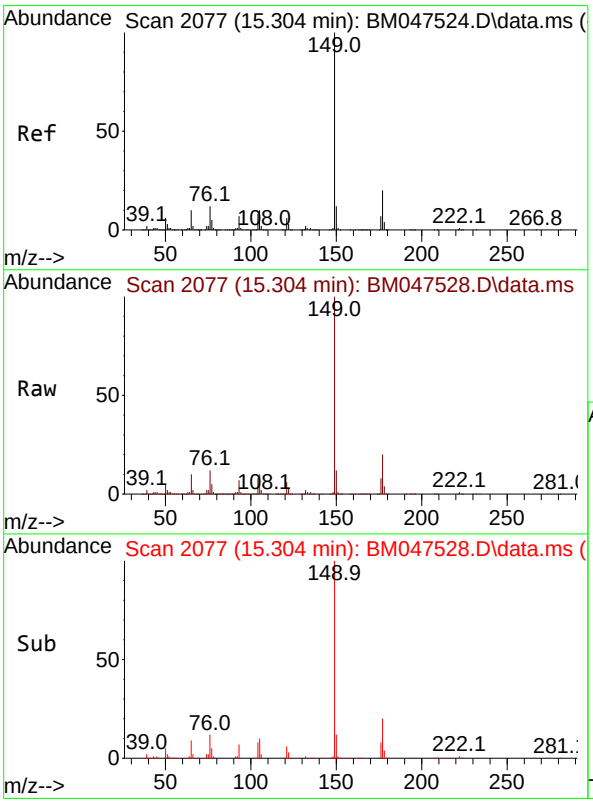
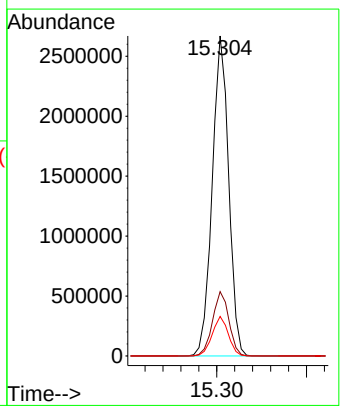
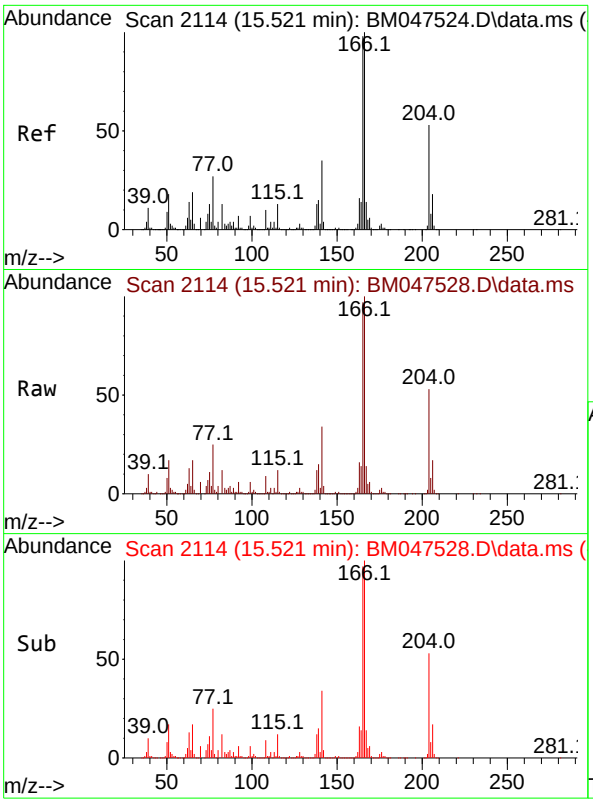


#60
Diethylphthalate
Concen: 40.482 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 3394013

Ion	Ratio	Lower	Upper
149	100		
177	20.1	15.8	23.8
150	12.3	9.7	14.5

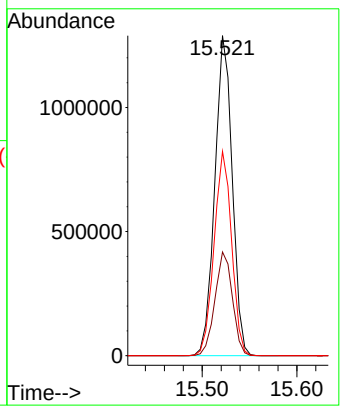




#61
4-Chlorophenyl-phenylether
Concen: 40.407 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:204 Resp: 165031

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.5	39.7
141	63.8	52.1	78.1



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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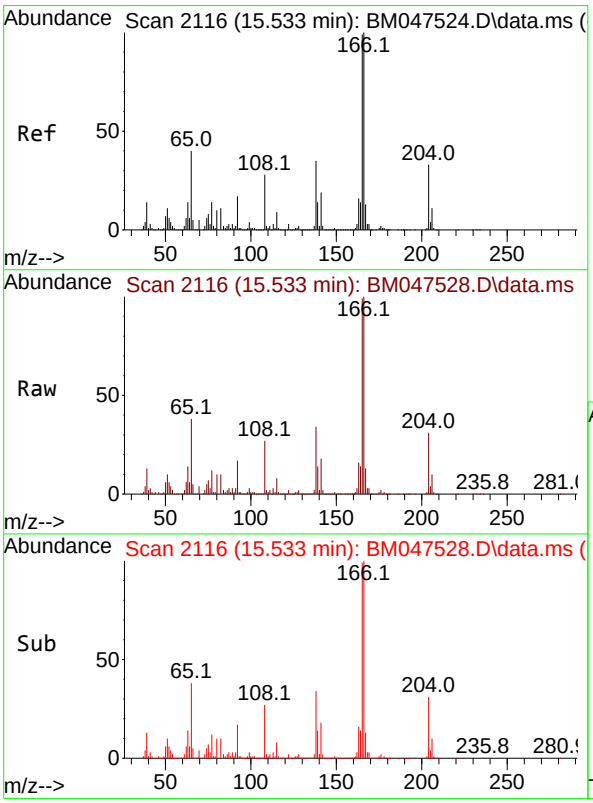
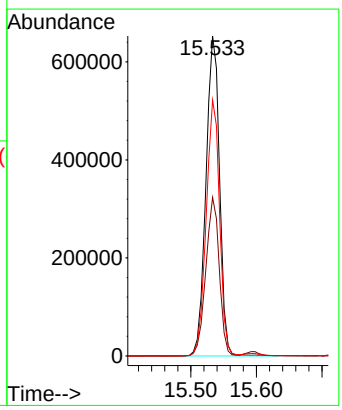
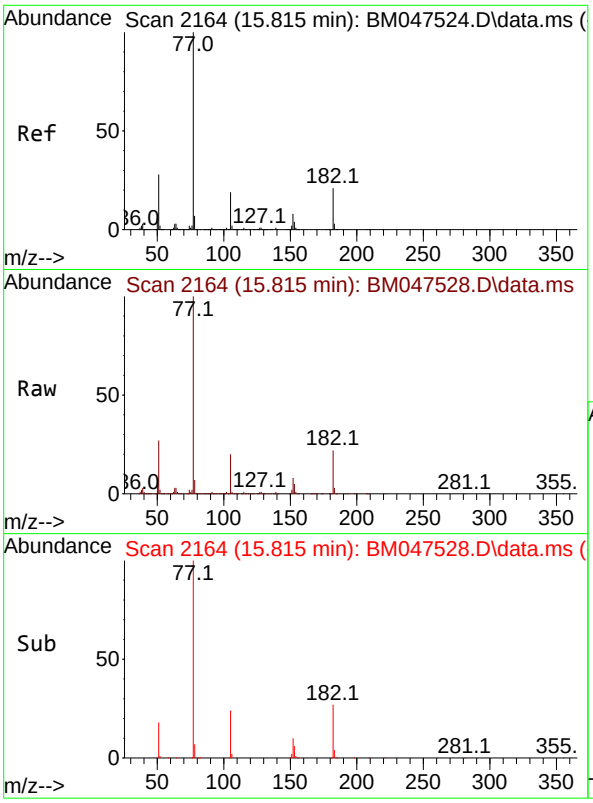


#62
4-Nitroaniline
Concen: 43.422 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:138 Resp: 943457

Ion	Ratio	Lower	Upper
138	100		
92	49.6	30.0	70.0
108	80.0	61.7	101.7

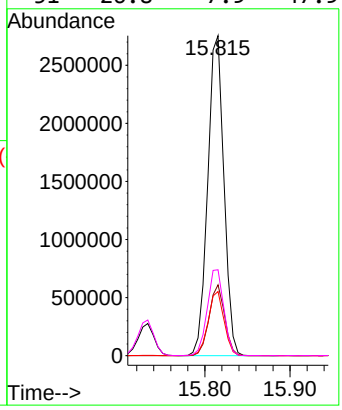




#63
Azobenzene
Concen: 39.412 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 77 Resp: 363840

Ion	Ratio	Lower	Upper
77	100		
182	22.2	1.2	41.2
105	20.0	0.0	39.4
51	26.8	7.9	47.9



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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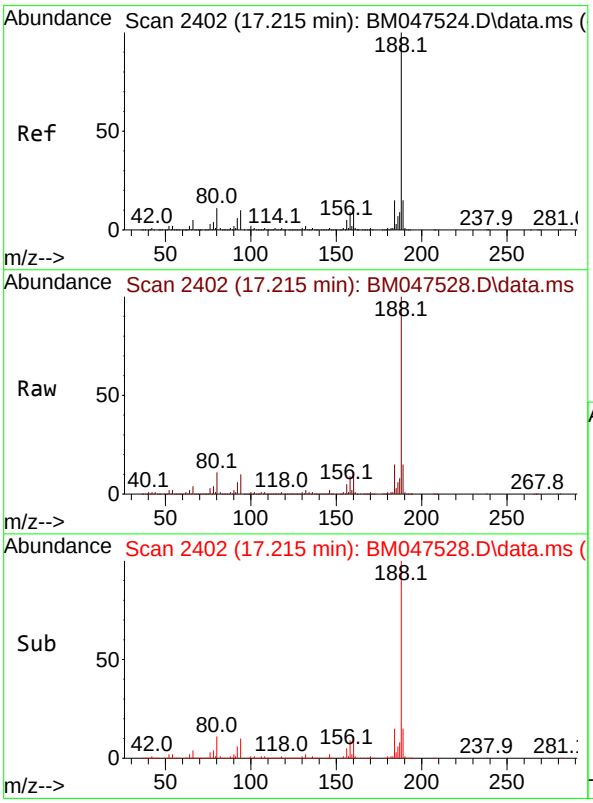
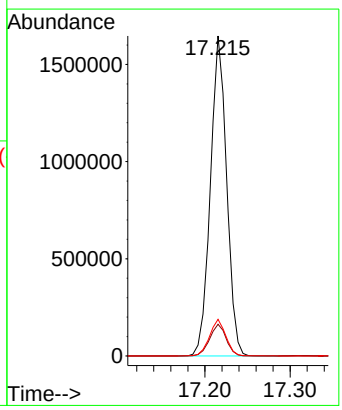
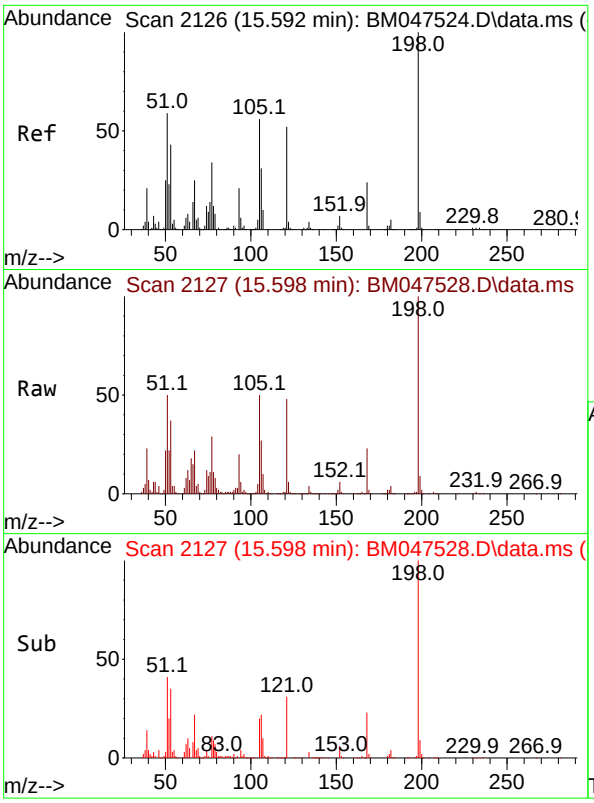


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:188 Resp: 2184120

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.4	12.6
80	11.4	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 39.815 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:198 Resp: 42692

Ion	Ratio	Lower	Upper
198	100		
51	49.6	41.5	81.5
105	50.1	36.4	76.4

Instrument :
BNA_M
ClientSampleId :
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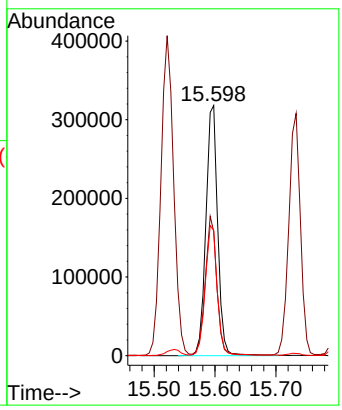
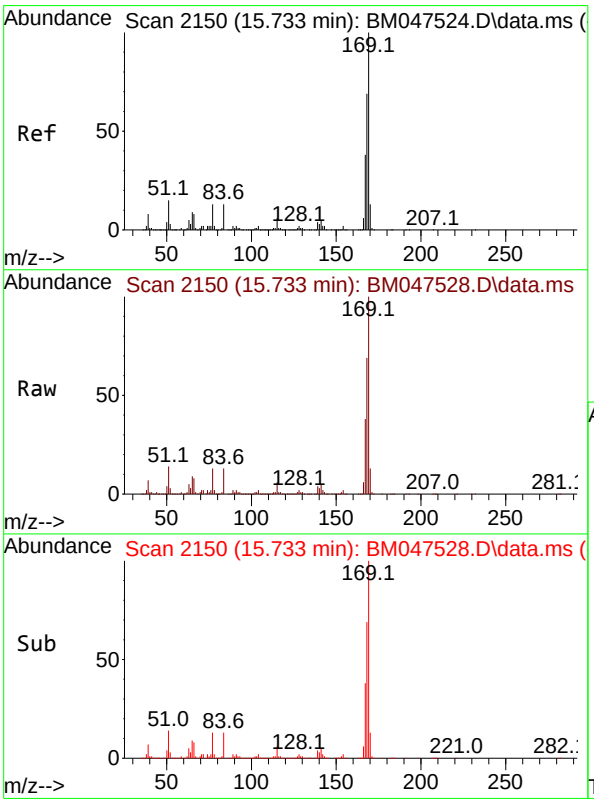
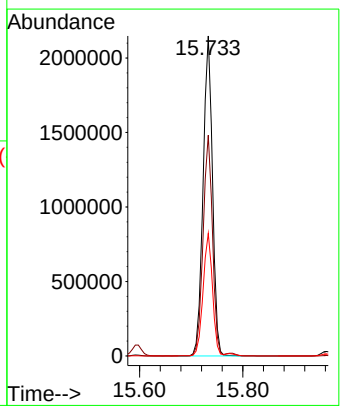


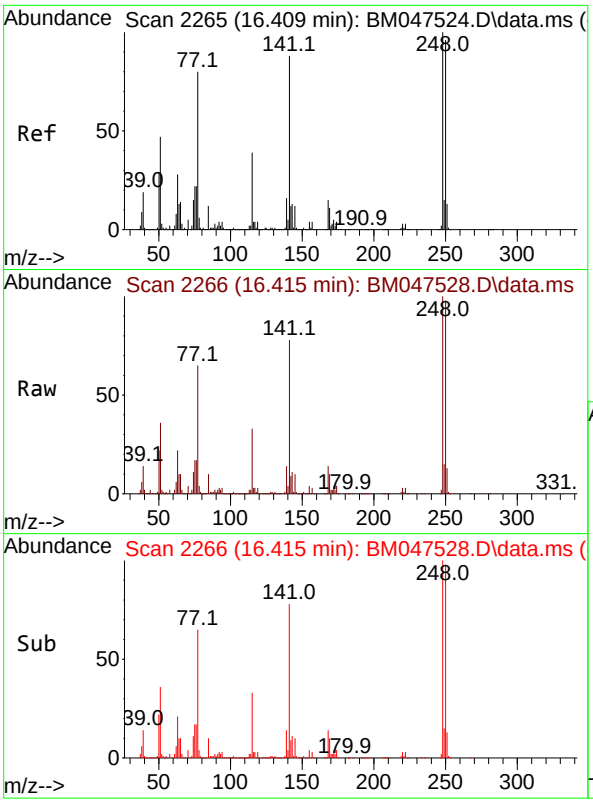


#66
n-Nitrosodiphenylamine
Concen: 40.550 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:169 Resp: 2709417

Ion	Ratio	Lower	Upper
169	100		
168	69.0	55.3	82.9
167	38.3	30.5	45.7





#67
4-Bromophenyl-phenylether
Concen: 40.870 ng
RT: 16.415 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:248 Resp: 86735

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.9	115.3
141	78.2	70.8	106.2

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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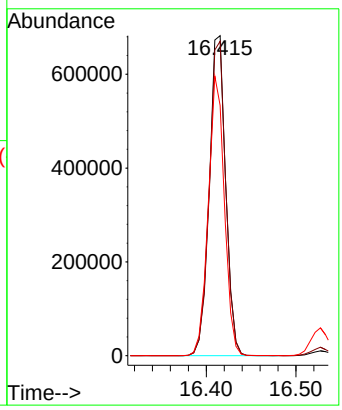
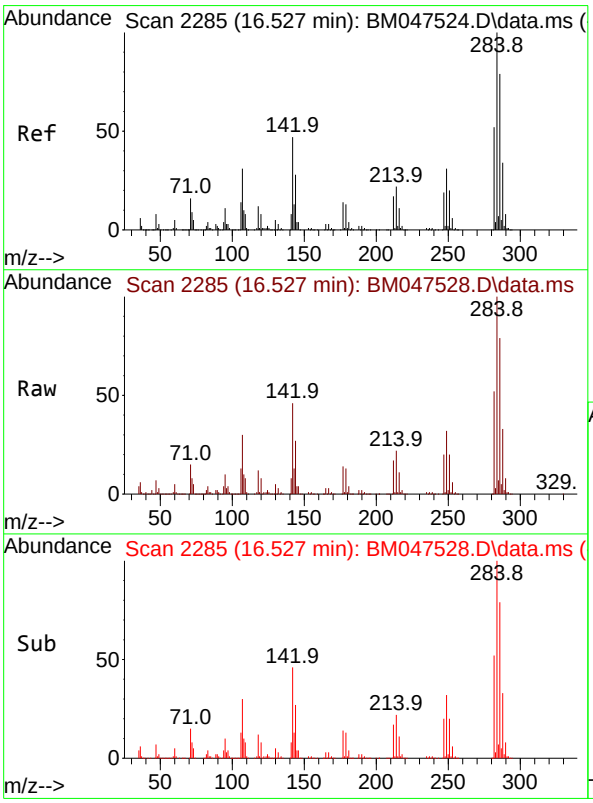
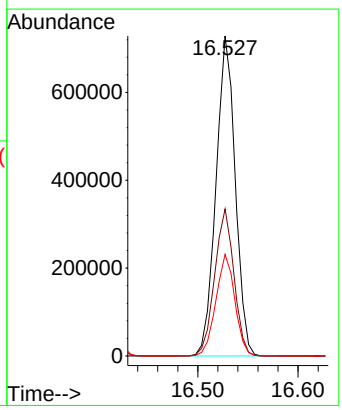


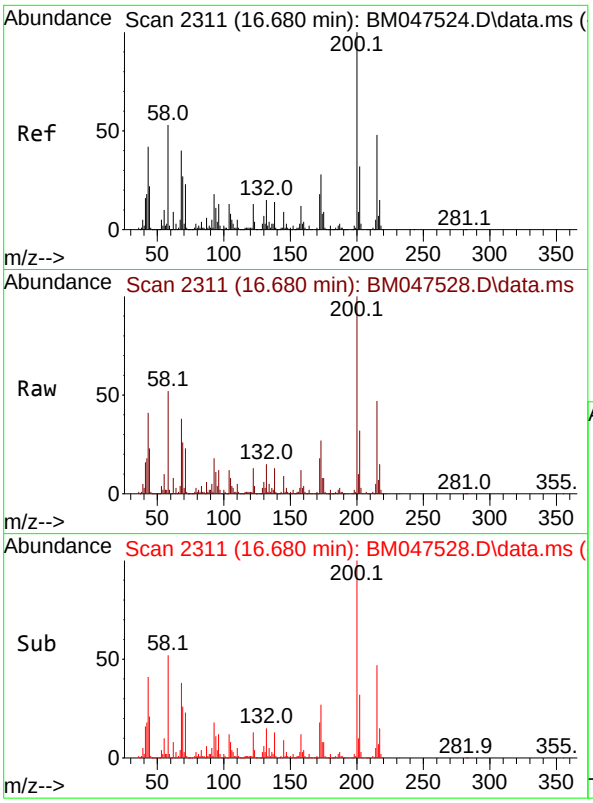


#68
Hexachlorobenzene
Concen: 40.377 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:284 Resp: 970735

Ion	Ratio	Lower	Upper
284	100		
142	45.9	37.3	55.9
249	31.8	24.5	36.7

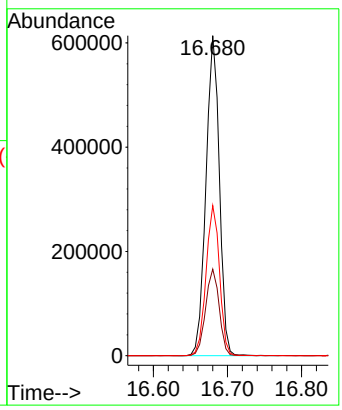




#69
Atrazine
Concen: 41.735 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:200 Resp: 77074

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.7	47.7
215	46.9	27.9	67.9



Instrument :
BNA_M
ClientSampleId :
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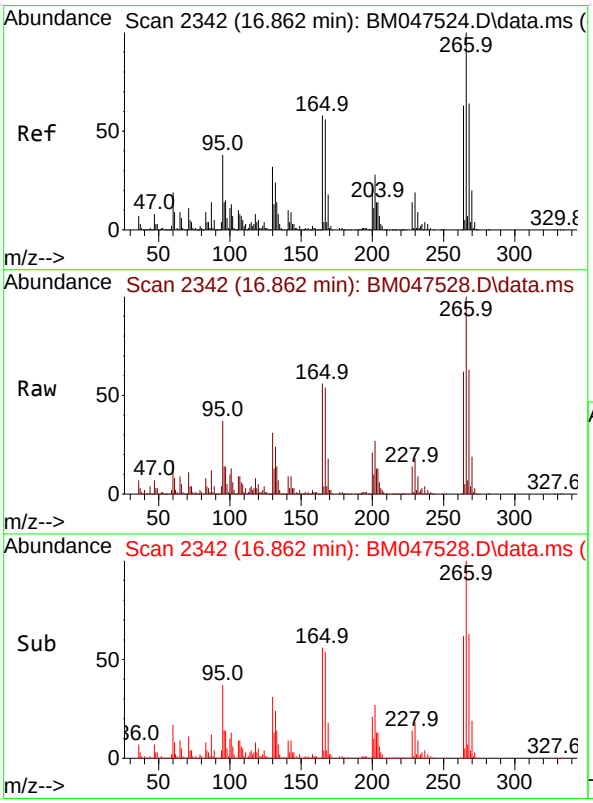
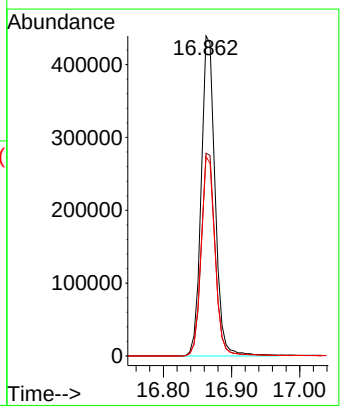
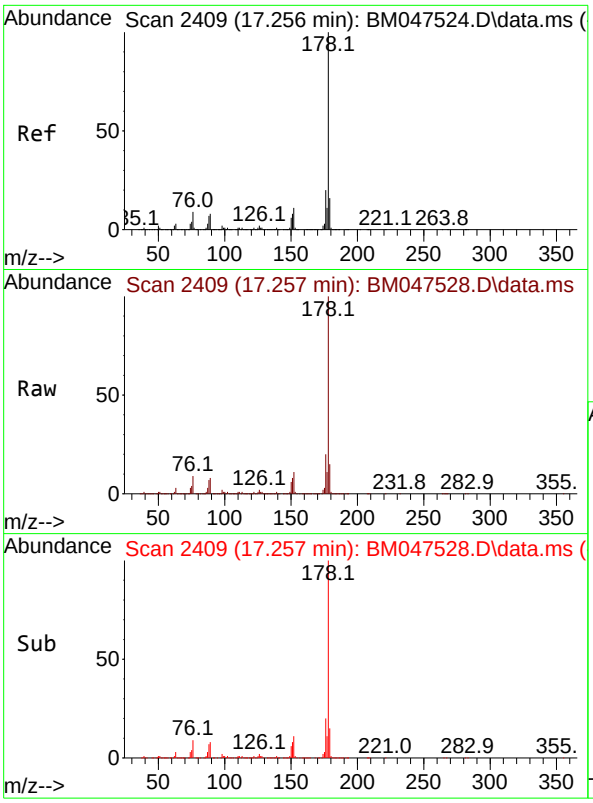


#70
Pentachlorophenol
Concen: 44.695 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:266 Resp: 622891

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.0	76.4
264	62.3	50.4	75.6

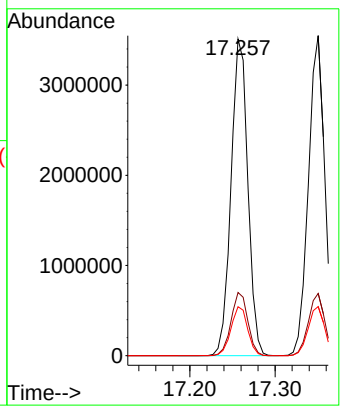




#71
Phenanthrene
Concen: 39.903 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:178 Resp: 480298

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.4	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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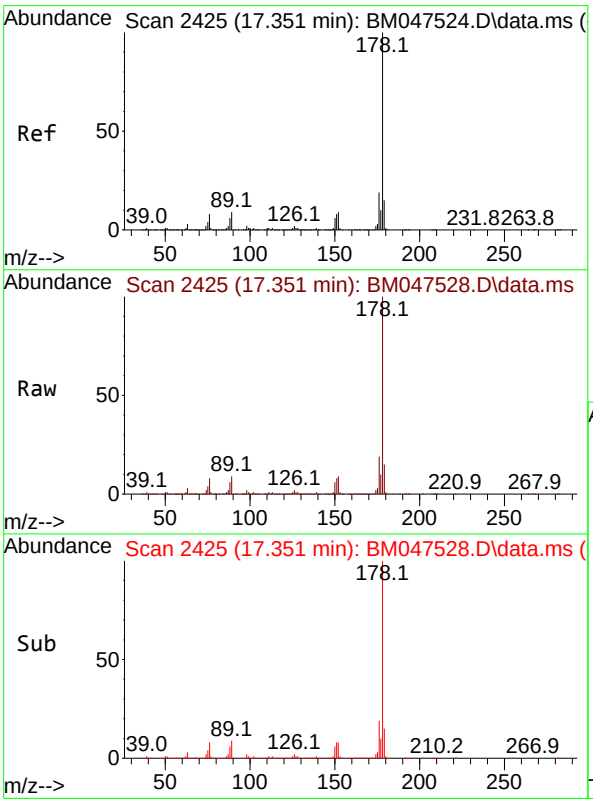
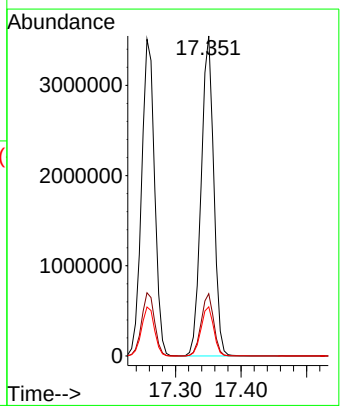
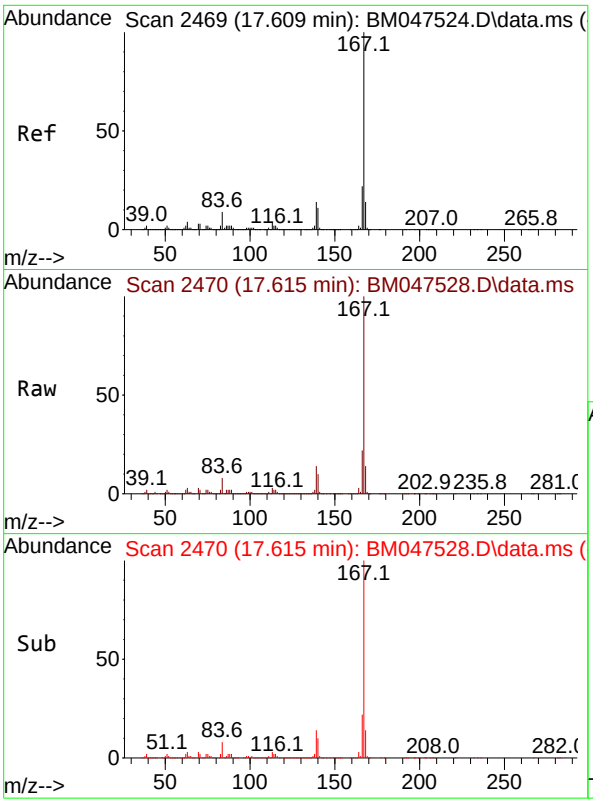


#72
Anthracene
Concen: 40.965 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:178 Resp: 4737394

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.3	12.3	18.5

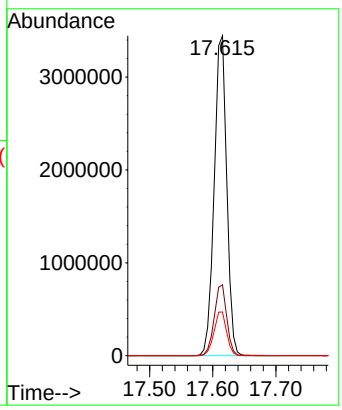




#73
Carbazole
Concen: 41.301 ng
RT: 17.615 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:167 Resp: 473327

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.8
139	13.6	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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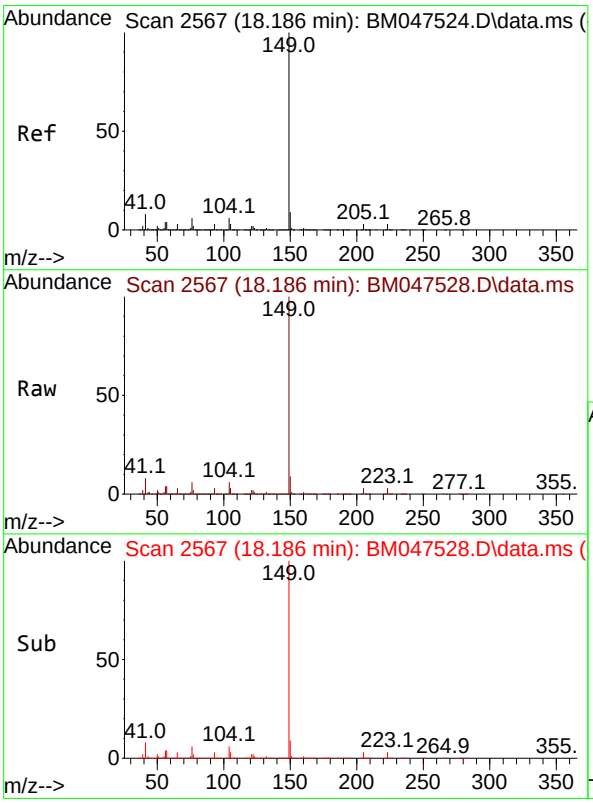
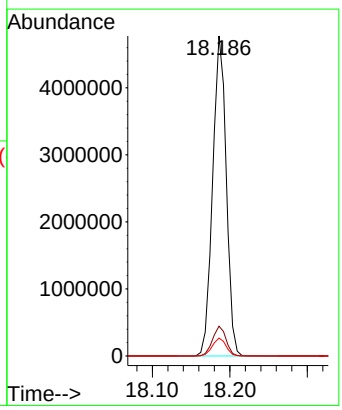
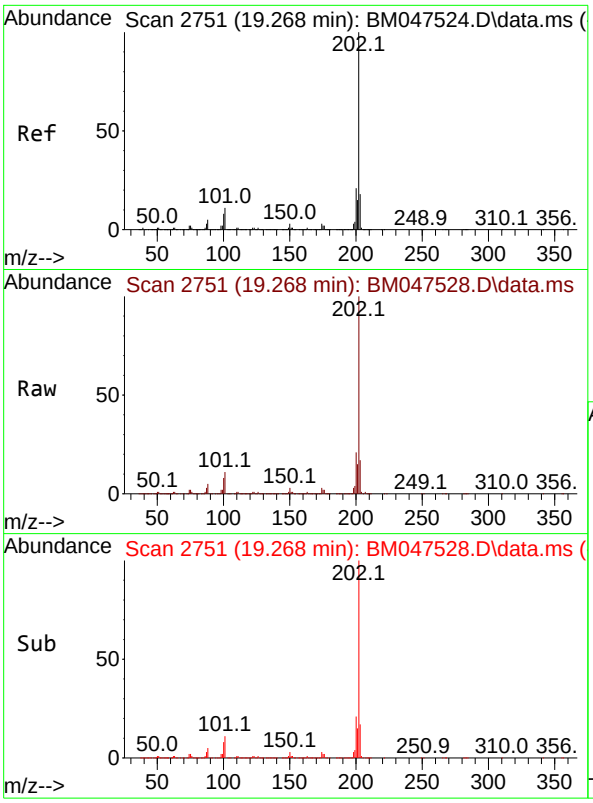


#74
Di-n-butylphthalate
Concen: 42.350 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 5807192

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.6	4.6	6.8

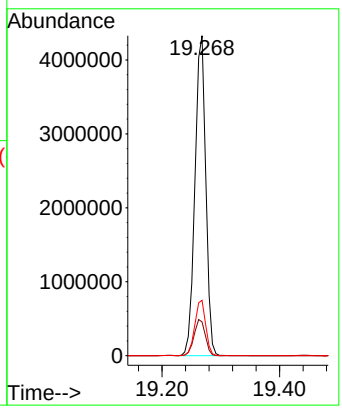




#75
Fluoranthene
Concen: 42.122 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:202 Resp: 553183

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.8
203	17.3	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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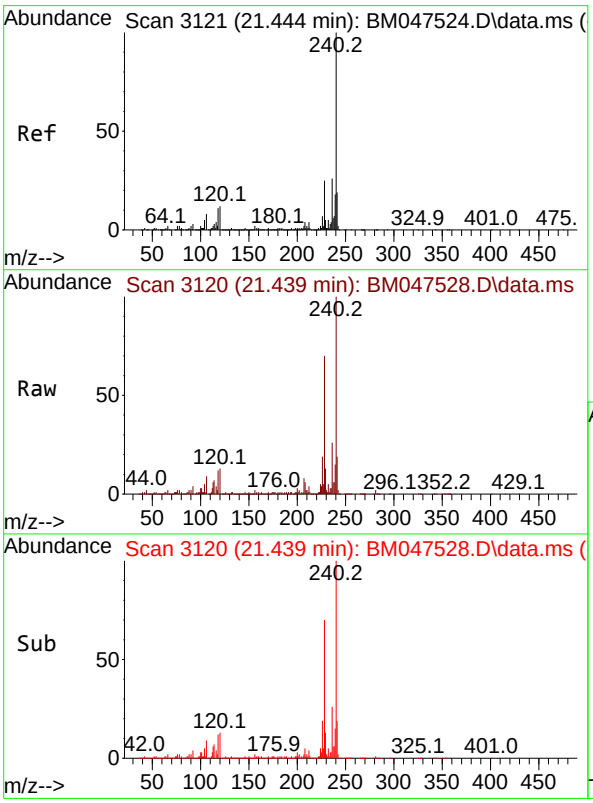
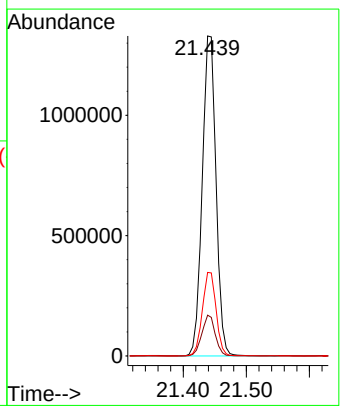
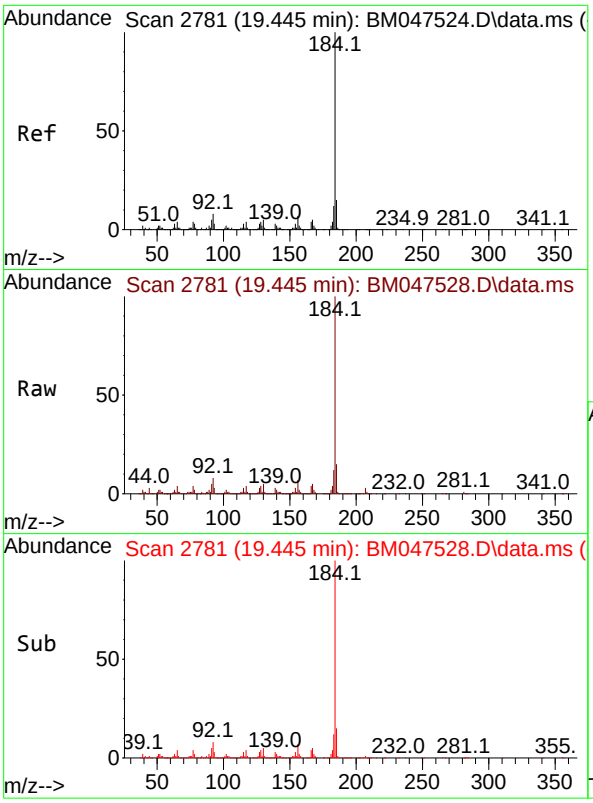


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:240 Resp: 2018814

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.6	14.4
236	26.1	20.9	31.3

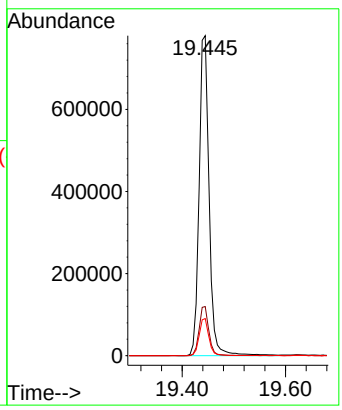




#77
Benzidine
Concen: 36.773 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:184 Resp: 104555

Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.2
183	11.6	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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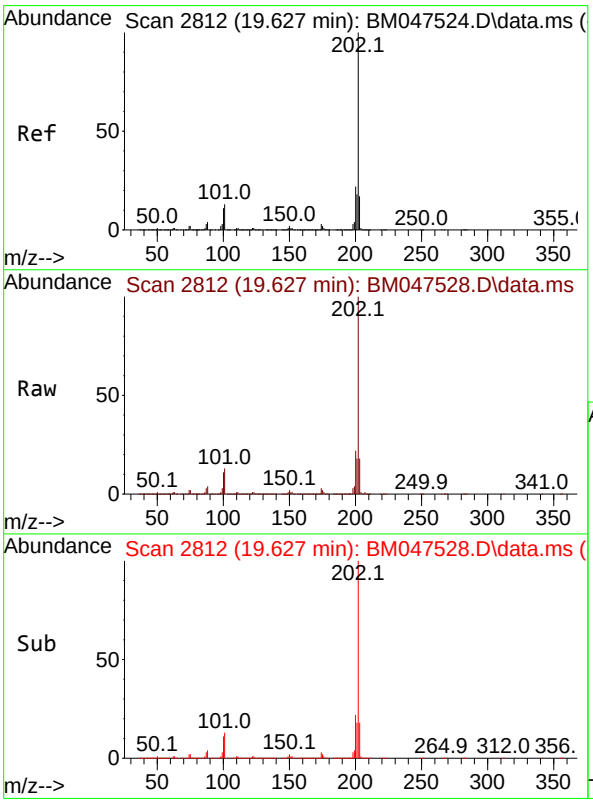
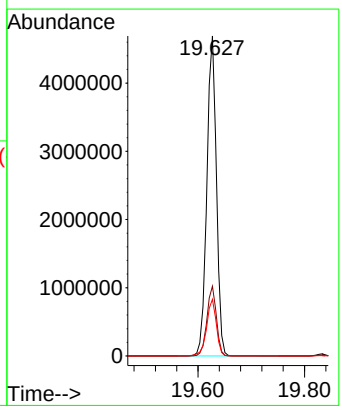
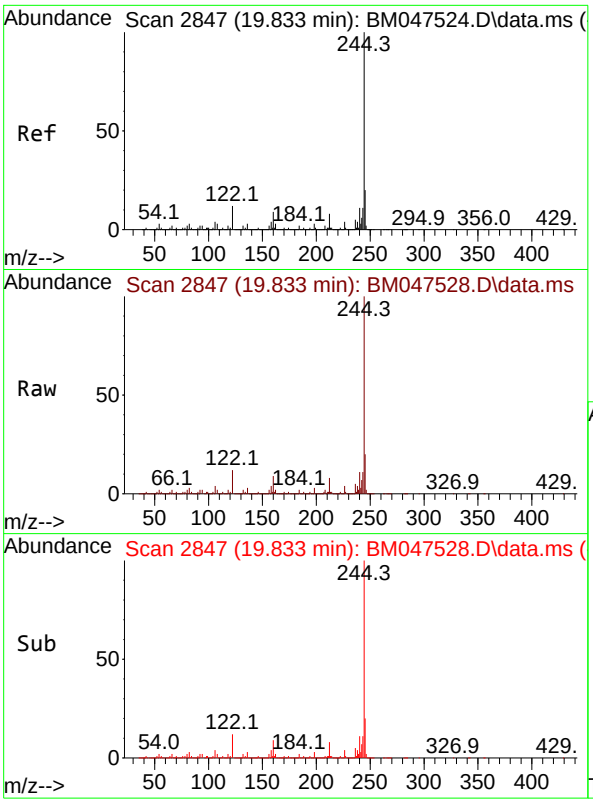


#78
Pyrene
Concen: 39.792 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:202 Resp: 5859728

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.7	14.0	21.0

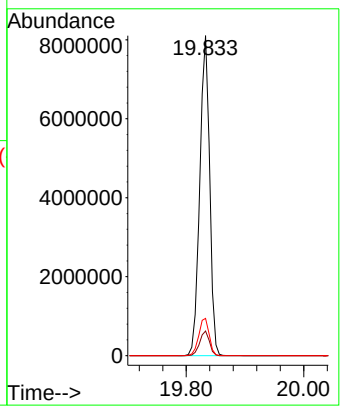




#79
Terphenyl-d14
Concen: 83.794 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:244 Resp: 944027

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	11.7	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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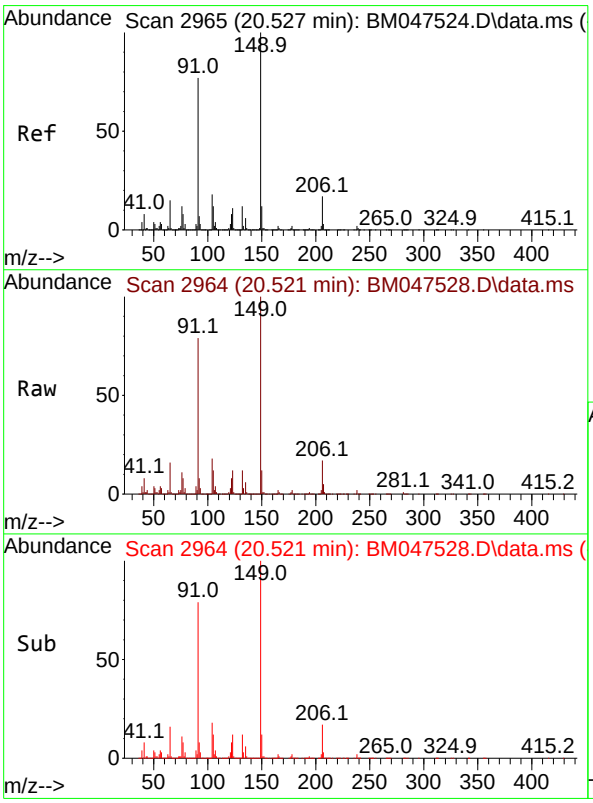
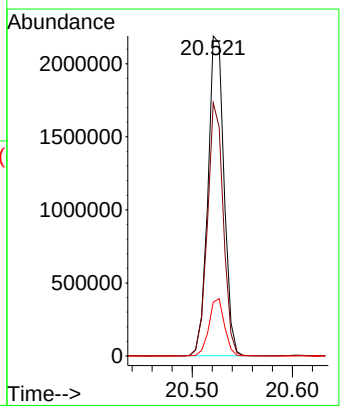
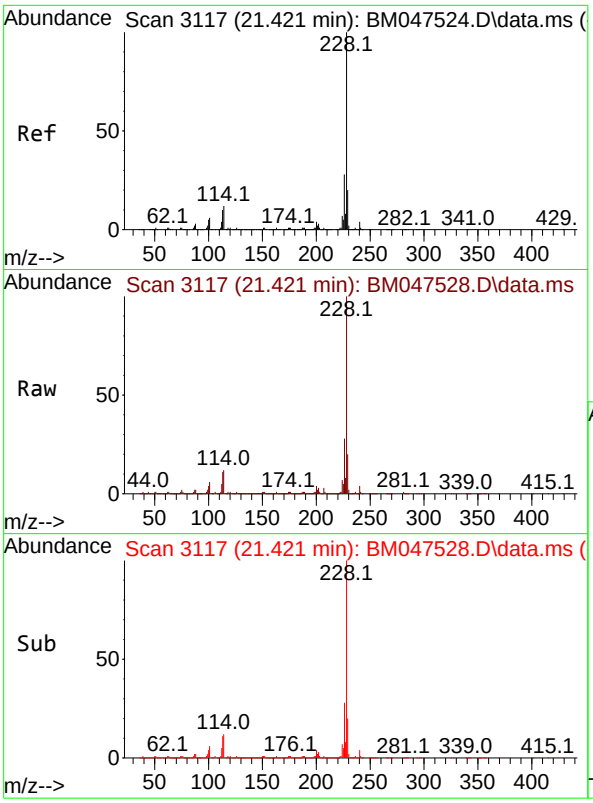


#80
Butylbenzylphthalate
Concen: 43.200 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 2448871

Ion	Ratio	Lower	Upper
149	100		
91	79.1	62.0	93.0
206	16.8	13.8	20.8

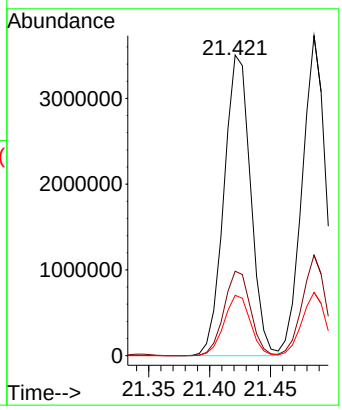




#81
Benzo(a)anthracene
Concen: 40.554 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:228 Resp: 533634

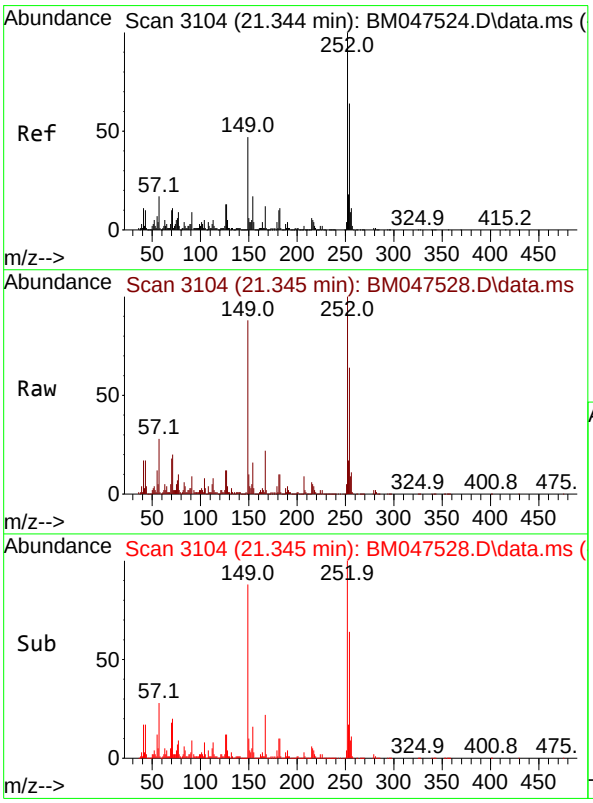
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.4	33.6
229	20.1	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

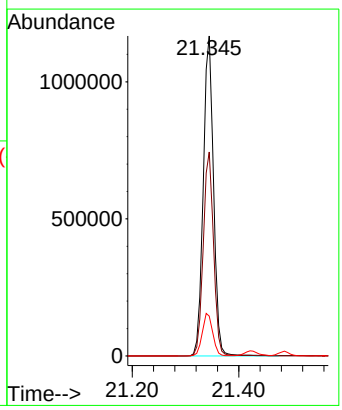
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

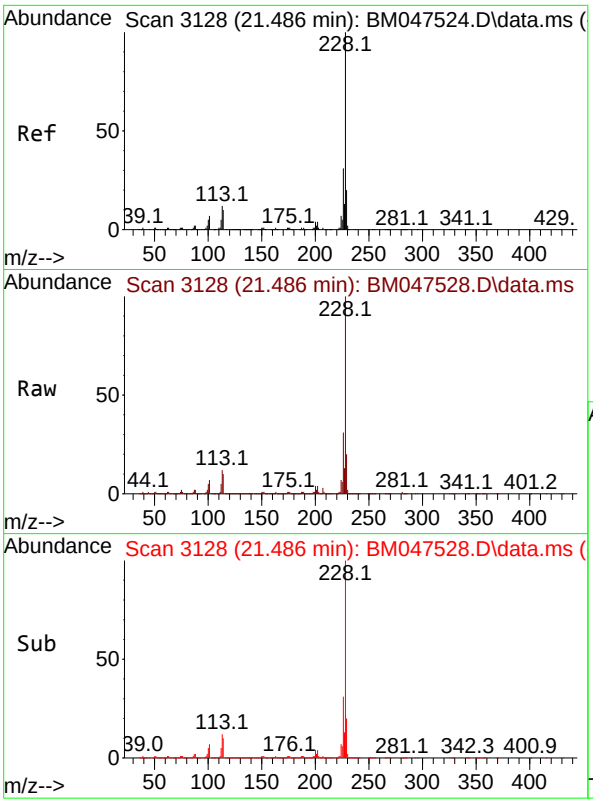


#82
3,3'-Dichlorobenzidine
Concen: 44.615 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 1561668

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.5	77.3
126	12.5	10.3	15.5

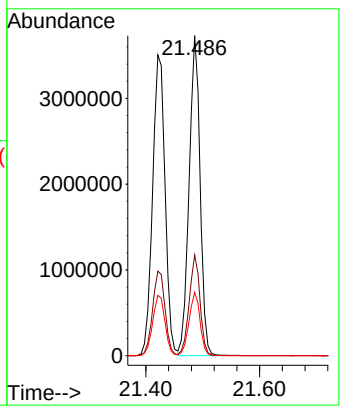




#83
Chrysene
Concen: 40.301 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:228 Resp: 501606

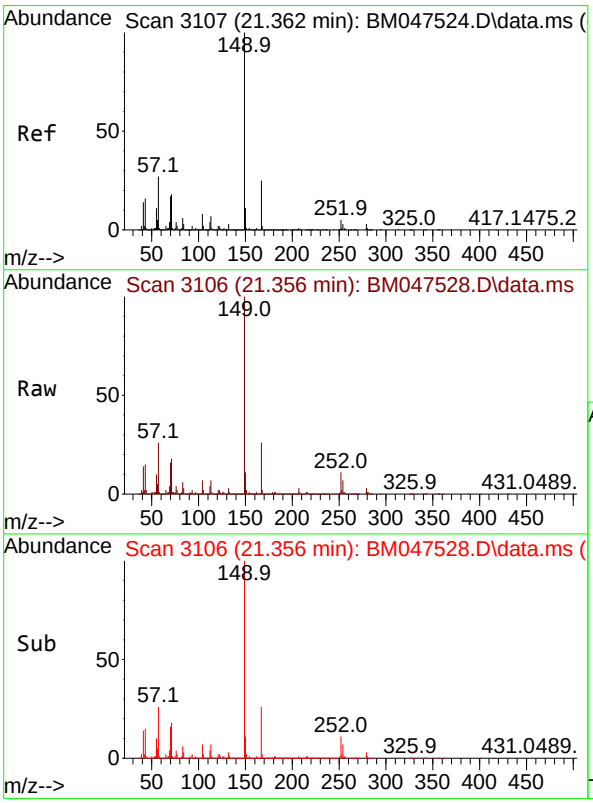
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	19.8	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

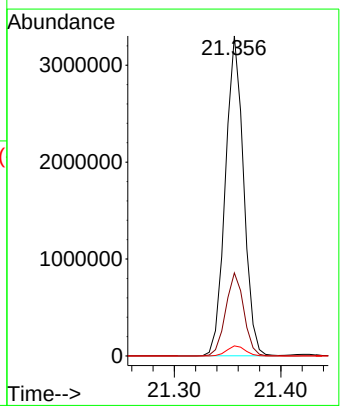
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

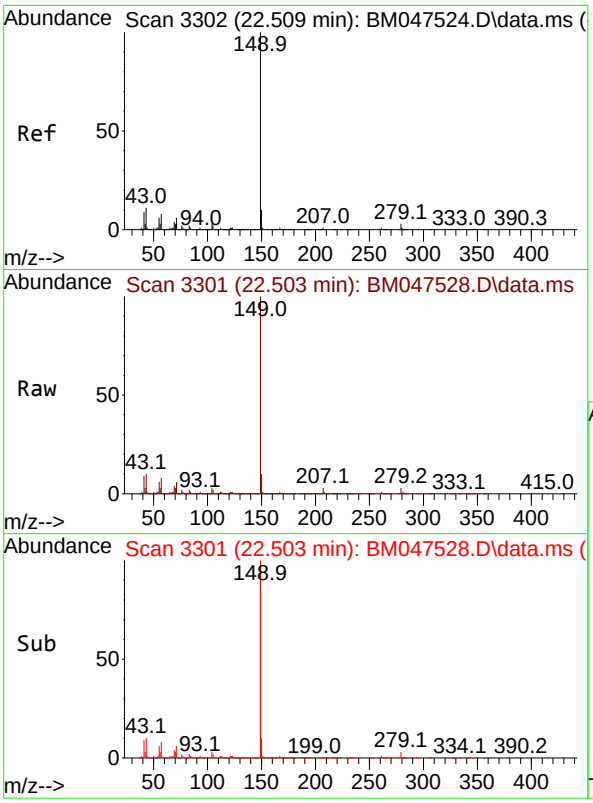


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.013 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 3908511

Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.2	30.4
279	3.2	2.6	4.0





#85
Di-n-octyl phthalate
Concen: 46.533 ng
RT: 22.503 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

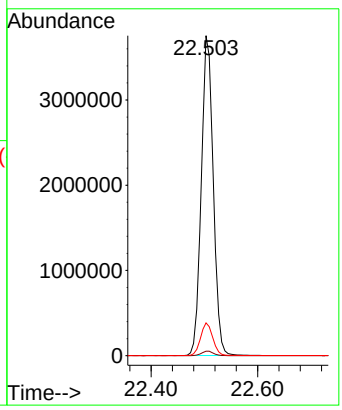
Tgt Ion:149 Resp: 584509

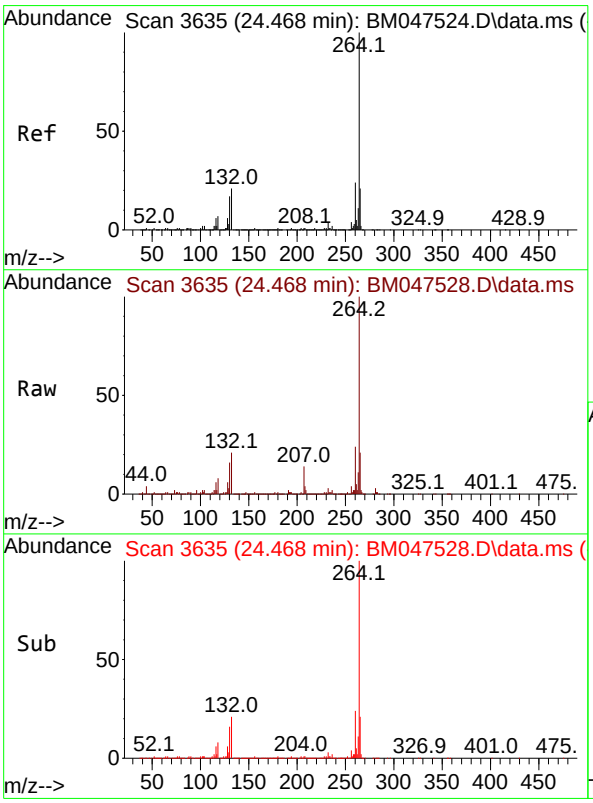
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.5	8.9	13.3

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

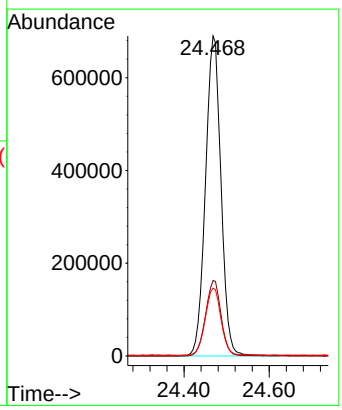


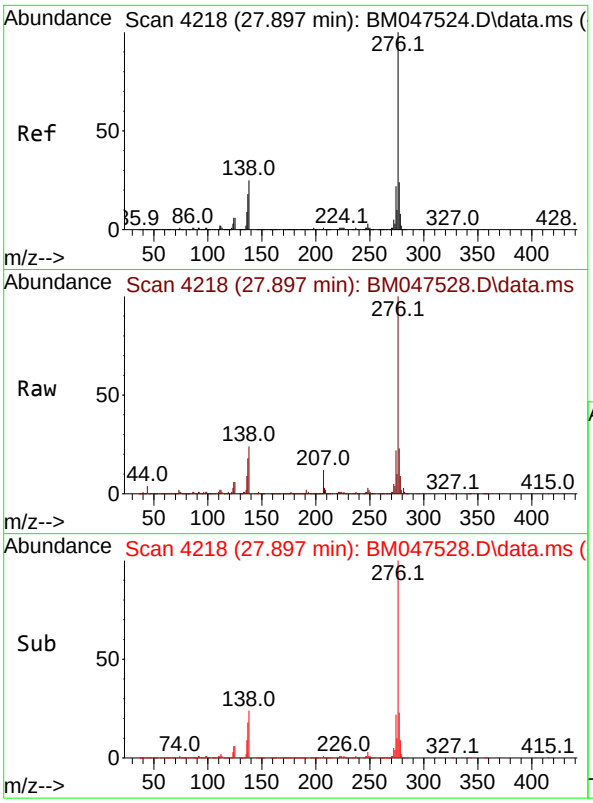


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:264 Resp: 1739593

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.2	17.4	26.2

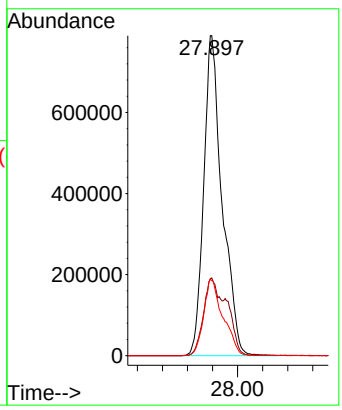




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.856 ng
RT: 27.897 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:276 Resp: 404511

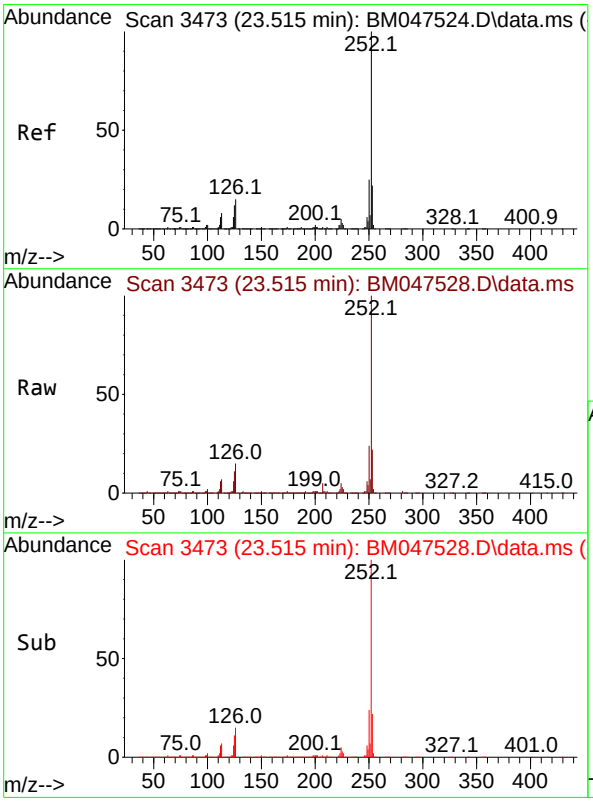
Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.0	37.6
277	25.1	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

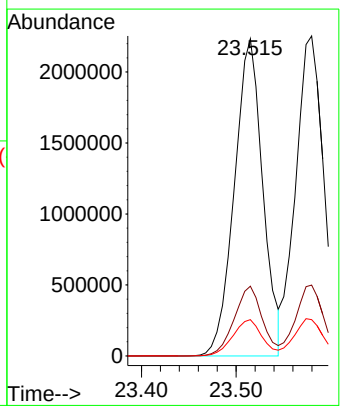
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

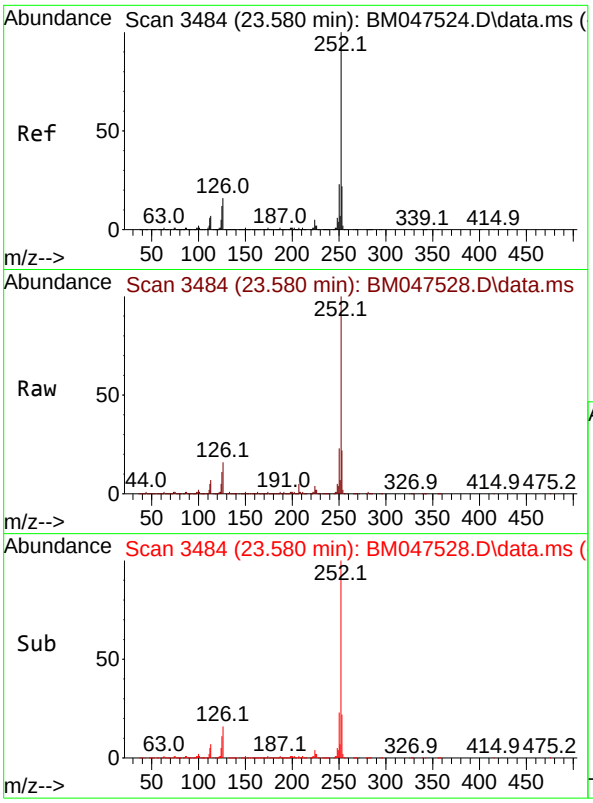


#88
Benzo(b)fluoranthene
Concen: 41.356 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 4654837

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.5	9.5	14.3

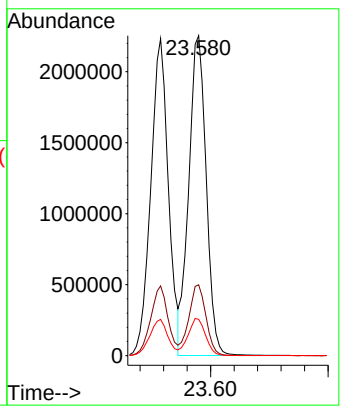




#89
Benzo(k)fluoranthene
Concen: 41.592 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 463952

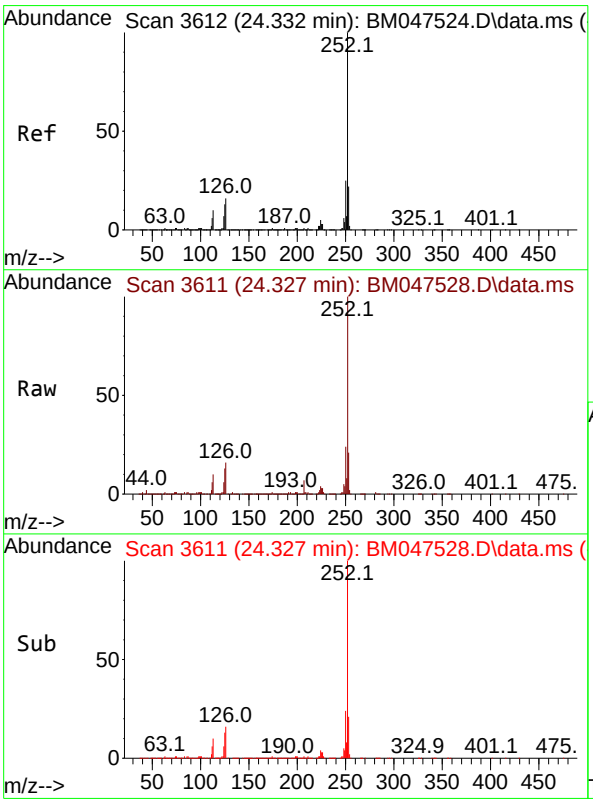
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.4	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

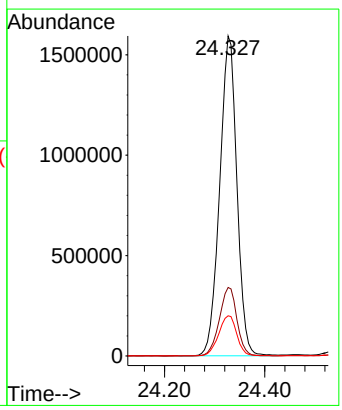
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

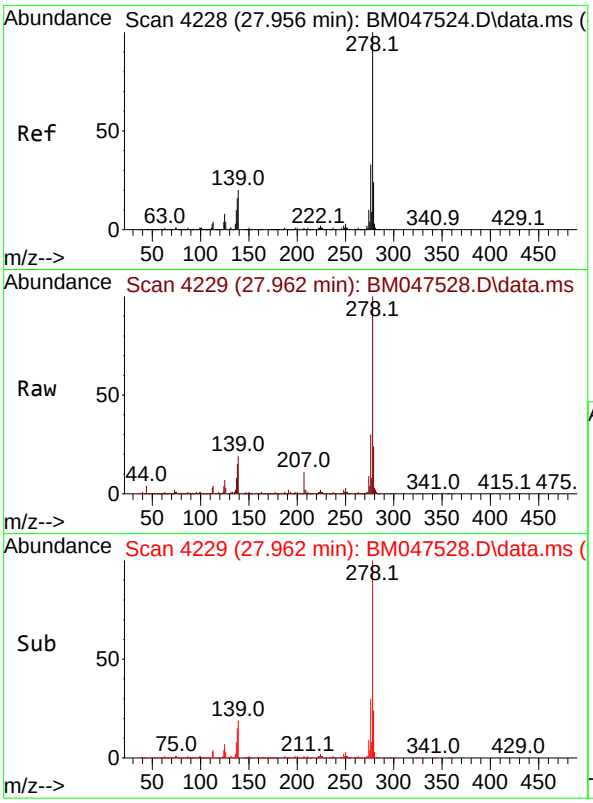


#90
Benzo(a)pyrene
Concen: 41.129 ng
RT: 24.327 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 3794215

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	12.5	10.2	15.4

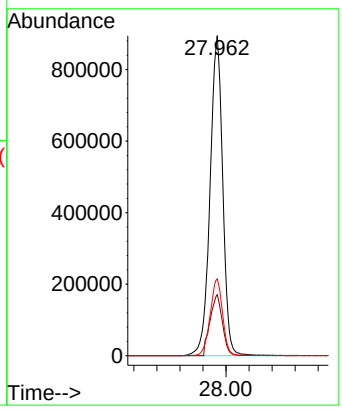




#91
Dibenzo(a,h)anthracene
Concen: 39.061 ng
RT: 27.962 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:278 Resp: 342125

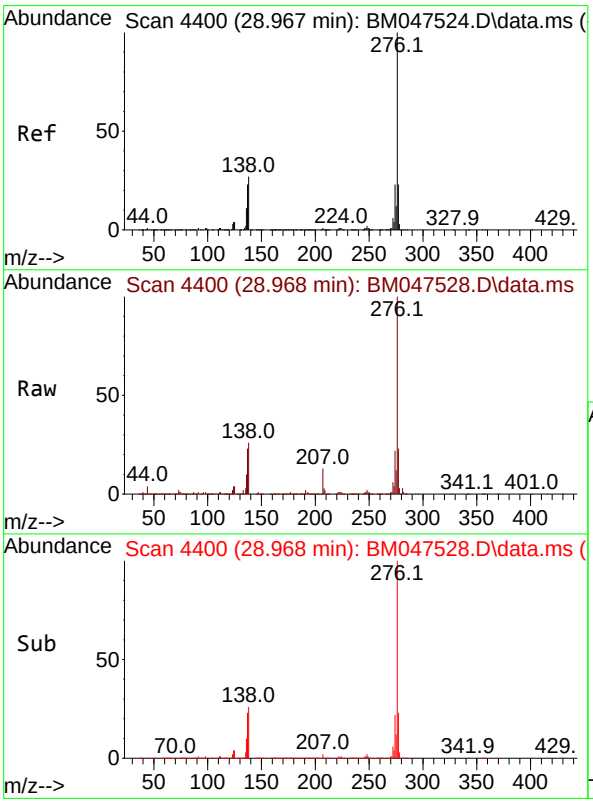
Ion	Ratio	Lower	Upper
278	100		
139	19.1	15.9	23.9
279	24.0	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations APPROVED

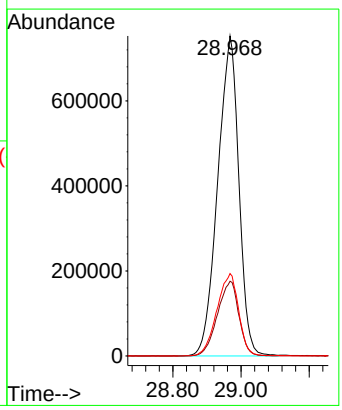
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#92
Benzo(g,h,i)perylene
Concen: 37.708 ng
RT: 28.968 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:276 Resp: 3226301

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	25.8	21.5	32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	119	0.00
2		1,4-Dioxane	0.538	0.503	6.5	115	0.00
3		Pyridine	1.601	1.532	4.3	115	0.00
4		n-Nitrosodimethylamine	0.727	0.682	6.2	111	0.00
5	S	2-Fluorophenol	1.256	1.242	1.1	119	0.00
6		Aniline	1.568	1.571	-0.2	118	0.00
7	S	Phenol-d6	1.769	1.796	-1.5	119	0.00
8		2-Chlorophenol	1.385	1.400	-1.1	119	0.00
9		Benzaldehyde	0.841	0.896	-6.5	127	0.00
10	C	Phenol	1.771	1.774	-0.2	118	0.00
11		bis(2-Chloroethyl)ether	1.422	1.414	0.6	118	0.00
12		1,3-Dichlorobenzene	1.516	1.490	1.7	118	0.00
13	C	1,4-Dichlorobenzene	1.544	1.514	1.9	118	0.00
14		1,2-Dichlorobenzene	1.519	1.495	1.6	118	0.00
15		Benzyl Alcohol	1.198	1.238	-3.3	119	0.00
16		2,2'-oxybis(1-Chloropropane	2.000	1.934	3.3	114	0.00
17		2-Methylphenol	1.132	1.158	-2.3	118	0.00
18		Hexachloroethane	0.617	0.602	2.4	116	0.00
19	P	n-Nitroso-di-n-propylamine	1.193	1.231	-3.2	118	0.00
20		3+4-Methylphenols	1.579	1.622	-2.7	119	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	120	0.00
22		Acetophenone	0.526	0.519	1.3	118	0.00
23	S	Nitrobenzene-d5	0.400	0.395	1.3	116	0.00
24		Nitrobenzene	0.411	0.403	1.9	117	0.00
25		Isophorone	0.703	0.709	-0.9	119	0.00
26	C	2-Nitrophenol	0.140	0.157	-12.1	127	0.00
27		2,4-Dimethylphenol	0.212	0.214	-0.9	122	0.00
28		bis(2-Chloroethoxy)methane	0.441	0.435	1.4	118	0.00
29	C	2,4-Dichlorophenol	0.269	0.280	-4.1	121	0.00
30		1,2,4-Trichlorobenzene	0.309	0.306	1.0	121	0.00
31		Naphthalene	1.080	1.062	1.7	118	0.00
32		Benzoic acid	0.187	0.212	-13.4	132	0.00
33		4-Chloroaniline	0.391	0.392	-0.3	119	0.00
34	C	Hexachlorobutadiene	0.171	0.168	1.8	119	0.00
35		Caprolactam	0.089	0.099	-11.2	126	0.00
36	C	4-Chloro-3-methylphenol	0.309	0.320	-3.6	120	0.00
37		2-Methylnaphthalene	0.719	0.724	-0.7	119	0.00
38		1-Methylnaphthalene	0.714	0.721	-1.0	120	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	122	0.00
40		1,2,4,5-Tetrachlorobenzene	0.541	0.533	1.5	119	0.00
41	P	Hexachlorocyclopentadiene	0.177	0.170	4.0	113	0.00
42	S	2,4,6-Tribromophenol	0.193	0.209	-8.3	126	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.354	-4.4	123	0.00
44		2,4,5-Trichlorophenol	0.383	0.398	-3.9	123	0.00
45	S	2-Fluorobiphenyl	1.452	1.462	-0.7	118	0.00
46		1,1'-Biphenyl	1.556	1.541	1.0	120	0.00
47		2-Chloronaphthalene	1.208	1.202	0.5	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	0.355	0.373	-5.1	121	0.00
49		Acenaphthylene	1.744	1.757	-0.7	120	0.00
50		Dimethylphthalate	1.363	1.354	0.7	120	0.00
51		2,6-Dinitrotoluene	0.288	0.300	-4.2	123	0.00
52	C	Acenaphthene	1.222	1.235	-1.1	121	0.00
53		3-Nitroaniline	0.320	0.338	-5.6	123	0.00
54	P	2,4-Dinitrophenol	0.125	0.131	-4.8	125	0.00
55		Dibenzofuran	1.717	1.700	1.0	120	0.00
56	P	4-Nitrophenol	0.263	0.288	-9.5	125	0.00
57		2,4-Dinitrotoluene	0.384	0.408	-6.2	122	0.00
58		Fluorene	1.546	1.580	-2.2	118	0.00
59		2,3,4,6-Tetrachlorophenol	0.299	0.309	-3.3	123	0.00
60		Diethylphthalate	1.451	1.468	-1.2	121	0.00
61		4-Chlorophenyl-phenylether	0.707	0.714	-1.0	117	0.00
62		4-Nitroaniline	0.376	0.408	-8.5	119	0.00
63		Azobenzene	1.597	1.574	1.4	116	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00
65		4,6-Dinitro-2-methylphenol	0.091	0.098	-7.7	130	0.00
66	c	n-Nitrosodiphenylamine	0.612	0.620	-1.3	120	0.00
67		4-Bromophenyl-phenylether	0.194	0.199	-2.6	123	0.00
68		Hexachlorobenzene	0.220	0.222	-0.9	122	0.00
69		Atrazine	0.169	0.176	-4.1	121	0.00
70	C	Pentachlorophenol	0.128	0.143	-11.7	128	0.00
71		Phenanthrene	1.102	1.100	0.2	118	0.00
72		Anthracene	1.059	1.085	-2.5	120	0.00
73		Carbazole	1.049	1.084	-3.3	121	0.00
74		Di-n-butylphthalate	1.256	1.329	-5.8	121	0.00
75	C	Fluoranthene	1.203	1.266	-5.2	120	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	124	0.00
77		Benzidine	0.282	0.259	8.2	127	0.00
78		Pyrene	1.459	1.451	0.5	121	0.00
79	S	Terphenyl-d14	1.116	1.169	-4.7	115	0.00
80		Butylbenzylphthalate	0.562	0.607	-8.0	128	0.00
81		Benzo(a)anthracene	1.304	1.322	-1.4	123	0.00
82		3,3'-Dichlorobenzidine	0.347	0.387	-11.5	133	0.00
83		Chrysene	1.233	1.242	-0.7	123	0.00
84		Bis(2-ethylhexyl)phthalate	0.880	0.968	-10.0	129	0.00
85	c	Di-n-octyl phthalate	1.244	1.448	-16.4	138	0.00
86	I	Perylene-d12	1.000	1.000	0.0	133	0.00
87		Indeno(1,2,3-cd)pyrene	1.197	1.163	2.8	130	0.00
88		Benzo(b)fluoranthene	1.294	1.338	-3.4	133	0.00
89		Benzo(k)fluoranthene	1.282	1.334	-4.1	130	0.00
90	C	Benzo(a)pyrene	1.061	1.091	-2.8	132	0.00
91		Dibenzo(a,h)anthracene	1.007	0.983	2.4	132	0.00
92		Benzo(g,h,i)perylene	0.984	0.927	5.8	127	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	119	0.00
2		1,4-Dioxane	40.000	37.418	6.5	115	0.00
3		Pyridine	40.000	38.276	4.3	115	0.00
4		n-Nitrosodimethylamine	40.000	37.531	6.2	111	0.00
5	S	2-Fluorophenol	80.000	79.080	1.2	119	0.00
6		Aniline	40.000	40.075	-0.2	118	0.00
7	S	Phenol-d6	80.000	81.240	-1.5	119	0.00
8		2-Chlorophenol	40.000	40.435	-1.1	119	0.00
9		Benzaldehyde	40.000	42.604	-6.5	127	0.00
10	C	Phenol	40.000	40.068	-0.2	118	0.00
11		bis(2-Chloroethyl)ether	40.000	39.763	0.6	118	0.00
12		1,3-Dichlorobenzene	40.000	39.323	1.7	118	0.00
13	C	1,4-Dichlorobenzene	40.000	39.224	1.9	118	0.00
14		1,2-Dichlorobenzene	40.000	39.373	1.6	118	0.00
15		Benzyl Alcohol	40.000	41.322	-3.3	119	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.676	3.3	114	0.00
17		2-Methylphenol	40.000	40.947	-2.4	118	0.00
18		Hexachloroethane	40.000	39.026	2.4	116	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.297	-3.2	118	0.00
20		3+4-Methylphenols	40.000	41.091	-2.7	119	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	120	0.00
22		Acetophenone	40.000	39.445	1.4	118	0.00
23	S	Nitrobenzene-d5	80.000	79.016	1.2	116	0.00
24		Nitrobenzene	40.000	39.215	2.0	117	0.00
25		Isophorone	40.000	40.365	-0.9	119	0.00
26	C	2-Nitrophenol	40.000	44.791	-12.0	127	0.00
27		2,4-Dimethylphenol	40.000	40.331	-0.8	122	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.457	1.4	118	0.00
29	C	2,4-Dichlorophenol	40.000	41.509	-3.8	121	0.00
30		1,2,4-Trichlorobenzene	40.000	39.627	0.9	121	0.00
31		Naphthalene	40.000	39.330	1.7	118	0.00
32		Benzoic acid	40.000	41.565	-3.9	132	0.00
33		4-Chloroaniline	40.000	40.157	-0.4	119	0.00
34	C	Hexachlorobutadiene	40.000	39.303	1.7	119	0.00
35		Caprolactam	40.000	44.462	-11.2	126	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.503	-3.8	120	0.00
37		2-Methylnaphthalene	40.000	40.287	-0.7	119	0.00
38		1-Methylnaphthalene	40.000	40.366	-0.9	120	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	122	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.423	1.4	119	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.330	4.2	113	0.00
42	S	2,4,6-Tribromophenol	80.000	86.666	-8.3	126	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.805	-4.5	123	0.00
44		2,4,5-Trichlorophenol	40.000	41.595	-4.0	123	0.00
45	S	2-Fluorobiphenyl	80.000	80.575	-0.7	118	0.00
46		1,1'-Biphenyl	40.000	39.616	1.0	120	0.00
47		2-Chloronaphthalene	40.000	39.789	0.5	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.070	-5.2	121	0.00
49		Acenaphthylene	40.000	40.313	-0.8	120	0.00
50		Dimethylphthalate	40.000	39.733	0.7	120	0.00
51		2,6-Dinitrotoluene	40.000	41.664	-4.2	123	0.00
52	C	Acenaphthene	40.000	40.442	-1.1	121	0.00
53		3-Nitroaniline	40.000	42.236	-5.6	123	0.00
54	P	2,4-Dinitrophenol	40.000	41.320	-3.3	125	0.00
55		Dibenzofuran	40.000	39.603	1.0	120	0.00
56	P	4-Nitrophenol	40.000	43.814	-9.5	125	0.00
57		2,4-Dinitrotoluene	40.000	42.569	-6.4	122	0.00
58		Fluorene	40.000	40.896	-2.2	118	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.395	-3.5	123	0.00
60		Diethylphthalate	40.000	40.482	-1.2	121	0.00
61		4-Chlorophenyl-phenylether	40.000	40.407	-1.0	117	0.00
62		4-Nitroaniline	40.000	43.422	-8.6	119	0.00
63		Azobenzene	40.000	39.412	1.5	116	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	122	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.815	0.5	130	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.550	-1.4	120	0.00
67		4-Bromophenyl-phenylether	40.000	40.870	-2.2	123	0.00
68		Hexachlorobenzene	40.000	40.377	-0.9	122	0.00
69		Atrazine	40.000	41.735	-4.3	121	0.00
70	C	Pentachlorophenol	40.000	44.695	-11.7	128	0.00
71		Phenanthrene	40.000	39.903	0.2	118	0.00
72		Anthracene	40.000	40.965	-2.4	120	0.00
73		Carbazole	40.000	41.301	-3.3	121	0.00
74		Di-n-butylphthalate	40.000	42.350	-5.9	121	0.00
75	C	Fluoranthene	40.000	42.122	-5.3	120	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	124	0.00
77		Benzidine	40.000	36.773	8.1	127	0.00
78		Pyrene	40.000	39.792	0.5	121	0.00
79	S	Terphenyl-d14	80.000	83.794	-4.7	115	0.00
80		Butylbenzylphthalate	40.000	43.200	-8.0	128	0.00
81		Benzo(a)anthracene	40.000	40.554	-1.4	123	0.00
82		3,3'-Dichlorobenzidine	40.000	44.615	-11.5	133	0.00
83		Chrysene	40.000	40.301	-0.8	123	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.013	-10.0	129	0.00
85	c	Di-n-octyl phthalate	40.000	46.533	-16.3	138	0.00
86	I	Perylene-d12	20.000	20.000	0.0	133	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.856	2.9	130	0.00
88		Benzo(b)fluoranthene	40.000	41.356	-3.4	133	0.00
89		Benzo(k)fluoranthene	40.000	41.592	-4.0	130	0.00
90	C	Benzo(a)pyrene	40.000	41.129	-2.8	132	0.00
91		Dibenzo(a,h)anthracene	40.000	39.061	2.3	132	0.00
92		Benzo(g,h,i)perylene	40.000	37.708	5.7	127	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: BNA_M Calibration Date/Time: 09/16/2024 10:16

Lab File ID: BM047533.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.727	0.721		-0.8	
Pyridine	1.601	1.621		1.2	
2-Fluorophenol	1.256	1.252		-0.3	
Benzaldehyde	0.841	0.790		-6.1	
Aniline	1.568	1.589		1.3	
Phenol-d6	1.769	1.794		1.4	
bis(2-Chloroethyl)ether	1.422	1.438		1.1	
1,2-Dichlorobenzene	1.519	1.494		-1.6	
1,3-Dichlorobenzene	1.516	1.490		-1.7	
1,4-Dichlorobenzene	1.544	1.514		-1.9	20.0
Benzyl Alcohol	1.198	1.201		0.3	
2,2-oxybis(1-Chloropropane)	2.000	1.992		-0.4	
Acetophenone	0.526	0.524		-0.4	
n-Nitroso-di-n-propylamine	1.193	1.237	0.050	3.7	
Nitrobenzene-d5	0.400	0.405		1.3	
Hexachloroethane	0.617	0.600		-2.8	
Nitrobenzene	0.411	0.413		0.5	
Isophorone	0.703	0.714		1.6	
bis(2-Chloroethoxy)methane	0.441	0.445		0.9	
1,2,4-Trichlorobenzene	0.309	0.303		-1.9	
Naphthalene	1.080	1.072		-0.7	
4-Chloroaniline	0.391	0.396		1.3	
Hexachlorobutadiene	0.171	0.165		-3.5	20.0
Caprolactam	0.089	0.097		9.0	
2-Methylnaphthalene	0.719	0.723		0.6	
Hexachlorocyclopentadiene	0.177	0.169	0.050	-4.5	
2-Fluorobiphenyl	1.452	1.482		2.1	
1,1-Biphenyl	1.556	1.554		-0.1	
2-Chloronaphthalene	1.208	1.202		-0.5	
2-Nitroaniline	0.355	0.368		3.7	
Dimethylphthalate	1.363	1.362		-0.1	
Acenaphthylene	1.744	1.770		1.5	
2,6-Dinitrotoluene	0.288	0.299		3.8	
3-Nitroaniline	0.320	0.339		5.9	
Acenaphthene	1.222	1.240		1.5	20.0
Dibenzofuran	1.717	1.720		0.2	
2,4-Dinitrotoluene	0.384	0.409		6.5	
Diethylphthalate	1.451	1.489		2.6	
4-Chlorophenyl-phenylether	0.707	0.726		2.7	

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: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: BNA_M Calibration Date/Time: 09/16/2024 10:16

Lab File ID: BM047533.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Fluorene	1.546	1.615		4.5	
4-Nitroaniline	0.376	0.421		12.0	
n-Nitrosodiphenylamine	0.612	0.619		1.1	20.0
Azobenzene	1.597	1.667		4.4	
2,4,6-Tribromophenol	0.193	0.197		2.1	
4-Bromophenyl-phenylether	0.194	0.194		0.0	
Hexachlorobenzene	0.220	0.216		-1.8	
Atrazine	0.169	0.172		1.8	
Phenanthrene	1.102	1.119		1.5	
Anthracene	1.059	1.094		3.3	
Carbazole	1.049	1.094		4.3	
Di-n-butylphthalate	1.256	1.345		7.1	
Fluoranthene	1.203	1.285		6.8	20.0
Benzidine	0.282	0.410		45.4	
Pyrene	1.459	1.491		2.2	
Terphenyl-d14	1.116	1.242		11.3	
Butylbenzylphthalate	0.562	0.569		1.2	
3,3-Dichlorobenzidine	0.347	0.387		11.5	
Benzo(a)anthracene	1.304	1.325		1.6	
Chrysene	1.233	1.248		1.2	
Bis(2-ethylhexyl)phthalate	0.880	0.931		5.8	
Di-n-octyl phthalate	1.244	1.314		5.6	20.0
Benzo(b)fluoranthene	1.294	1.359		5.0	
Benzo(k)fluoranthene	1.282	1.324		3.3	
Benzo(a)pyrene	1.061	1.092		2.9	20.0
Indeno(1,2,3-cd)pyrene	1.197	1.186		-0.9	
Dibenzo(a,h)anthracene	1.007	0.989		-1.8	
Benzo(g,h,i)perylene	0.984	0.962		-2.2	
1,2,4,5-Tetrachlorobenzene	0.541	0.532		-1.7	
1,4-Dioxane	0.538	0.542		0.7	20.0
1-Methylnaphthalene	0.714	0.720		0.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.851	152	392657	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1713353	20.000	ng		0.00
39) Acenaphthene-d10	14.480	164	1011168	20.000	ng		0.00
64) Phenanthrene-d10	17.215	188	1938186	20.000	ng		0.00
76) Chrysene-d12	21.439	240	1774639	20.000	ng		0.00
86) Perylene-d12	24.468	264	1492872	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	1966825	79.754	ng		0.00
7) Phenol-d6	7.010	99	2817756	81.134	ng		0.00
23) Nitrobenzene-d5	9.004	82	2776970	81.114	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	795722	81.414	ng		0.00
45) 2-Fluorobiphenyl	13.110	172	5995667	81.679	ng		0.00
79) Terphenyl-d14	19.833	244	8815218	89.012	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	425598	40.292	ng		100
3) Pyridine	3.716	79	1272713m	40.479	ng		
4) n-Nitrosodimethylamine	3.622	42	566596	39.718	ng		100
6) Aniline	7.175	93	1247553	40.518	ng		99
8) 2-Chlorophenol	7.416	128	1081491	39.781	ng		99
9) Benzaldehyde	6.981	77	620037	37.547	ng		100
10) Phenol	7.034	94	1401549	40.304	ng		97
11) bis(2-Chloroethyl)ether	7.269	93	1129567	40.460	ng		99
12) 1,3-Dichlorobenzene	7.739	146	1169839	39.313	ng		100
13) 1,4-Dichlorobenzene	7.887	146	1189026	39.231	ng		99
14) 1,2-Dichlorobenzene	8.204	146	1173597	39.346	ng		99
15) Benzyl Alcohol	8.081	79	942934	40.082	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	1564489m	39.838	ng		
17) 2-Methylphenol	8.287	107	895293	40.301	ng		100
18) Hexachloroethane	8.934	117	470922	38.895	ng		97
19) n-Nitroso-di-n-propyla...	8.657	70	971047	41.470	ng		98
20) 3+4-Methylphenols	8.616	107	1238167	39.944	ng		98
22) Acetophenone	8.669	105	1794602	39.840	ng	#	99
24) Nitrobenzene	9.045	77	1414113	40.197	ng		99
25) Isophorone	9.575	82	2445747	40.635	ng		99
26) 2-Nitrophenol	9.757	139	468784	39.105	ng		95
27) 2,4-Dimethylphenol	9.816	122	714999	39.346	ng		99
28) bis(2-Chloroethoxy)met...	10.051	93	1526369	40.374	ng		99
29) 2,4-Dichlorophenol	10.286	162	931608	40.351	ng		98
30) 1,2,4-Trichlorobenzene	10.510	180	1039982	39.325	ng		98
31) Naphthalene	10.698	128	3671741	39.680	ng		100
32) Benzoic acid	9.957	122	639811	37.431	ng		98
33) 4-Chloroaniline	10.798	127	1357054	40.562	ng		99
34) Hexachlorobutadiene	10.992	225	563700	38.483	ng		99
35) Caprolactam	11.575	113	330988	43.526	ng		99
36) 4-Chloro-3-methylphenol	11.922	107	1090907	41.231	ng		100
37) 2-Methylnaphthalene	12.304	142	2475867	40.201	ng		100
38) 1-Methylnaphthalene	12.522	142	2467751	40.320	ng		98
40) 1,2,4,5-Tetrachloroben...	12.674	216	1076240	39.334	ng		99
41) Hexachlorocyclopentadiene	12.663	237	341444	38.172	ng		99
43) 2,4,6-Trichlorophenol	12.910	196	686103	40.025	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	779520	40.261	ng	99
46) 1,1'-Biphenyl	13.316	154	3142735	39.946	ng	100
47) 2-Chloronaphthalene	13.357	162	2430739	39.790	ng	100
48) 2-Nitroaniline	13.551	65	744520	41.494	ng	98
49) Acenaphthylene	14.204	152	3579429	40.604	ng	99
50) Dimethylphthalate	13.939	163	2754152	39.962	ng	100
51) 2,6-Dinitrotoluene	14.045	165	604541	41.552	ng	96
52) Acenaphthene	14.545	154	2507411	40.594	ng	98
53) 3-Nitroaniline	14.374	138	685657	42.399	ng	98
54) 2,4-Dinitrophenol	14.574	184	229497	36.995	ng	97
55) Dibenzofuran	14.880	168	3479384	40.086	ng	100
56) 4-Nitrophenol	14.674	139	562593	42.277	ng	98
57) 2,4-Dinitrotoluene	14.833	165	827965	42.670	ng	99
58) Fluorene	15.521	166	3265674	41.789	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	609295	40.362	ng	99
60) Diethylphthalate	15.304	149	3010648	41.046	ng	100
61) 4-Chlorophenyl-phenyle...	15.521	204	1468624	41.102	ng	99
62) 4-Nitroaniline	15.533	138	850755	44.755	ng	100
63) Azobenzene	15.810	77	3372126	41.753	ng	99
65) 4,6-Dinitro-2-methylph...	15.592	198	325945	35.256	ng	97
66) n-Nitrosodiphenylamine	15.733	169	2399617	40.470	ng	100
67) 4-Bromophenyl-phenylether	16.410	248	753760	40.024	ng	99
68) Hexachlorobenzene	16.527	284	839063	39.328	ng	99
69) Atrazine	16.680	200	667580	40.736	ng	99
70) Pentachlorophenol	16.862	266	526090	42.539	ng	100
71) Phenanthrene	17.257	178	4337018	40.604	ng	100
72) Anthracene	17.345	178	4239587	41.313	ng	100
73) Carbazole	17.609	167	4241425	41.705	ng	100
74) Di-n-butylphthalate	18.186	149	5213752	42.846	ng	100
75) Fluoranthene	19.262	202	4981453	42.745	ng	99
77) Benzidine	19.445	184	1456310	58.267	ng	98
78) Pyrene	19.627	202	5293066	40.890	ng	100
80) Butylbenzylphthalate	20.521	149	2019210	40.521	ng	96
81) Benzo(a)anthracene	21.421	228	4702559	40.654	ng	100
82) 3,3'-Dichlorobenzidine	21.345	252	1373888	44.650	ng	100
83) Chrysene	21.486	228	4430374	40.493	ng	100
84) Bis(2-ethylhexyl)phtha...	21.356	149	3302911	42.311	ng	99
85) Di-n-octyl phthalate	22.503	149	4665412	42.252	ng	100
87) Indeno(1,2,3-cd)pyrene	27.891	276	3541214	39.637	ng	100
88) Benzo(b)fluoranthene	23.515	252	4056932	42.001	ng	99
89) Benzo(k)fluoranthene	23.574	252	3953235	41.296	ng	99
90) Benzo(a)pyrene	24.327	252	3260773	41.189	ng	99
91) Dibenzo(a,h)anthracene	27.956	278	2953963	39.299	ng	99
92) Benzo(g,h,i)perylene	28.962	276	2871861	39.113	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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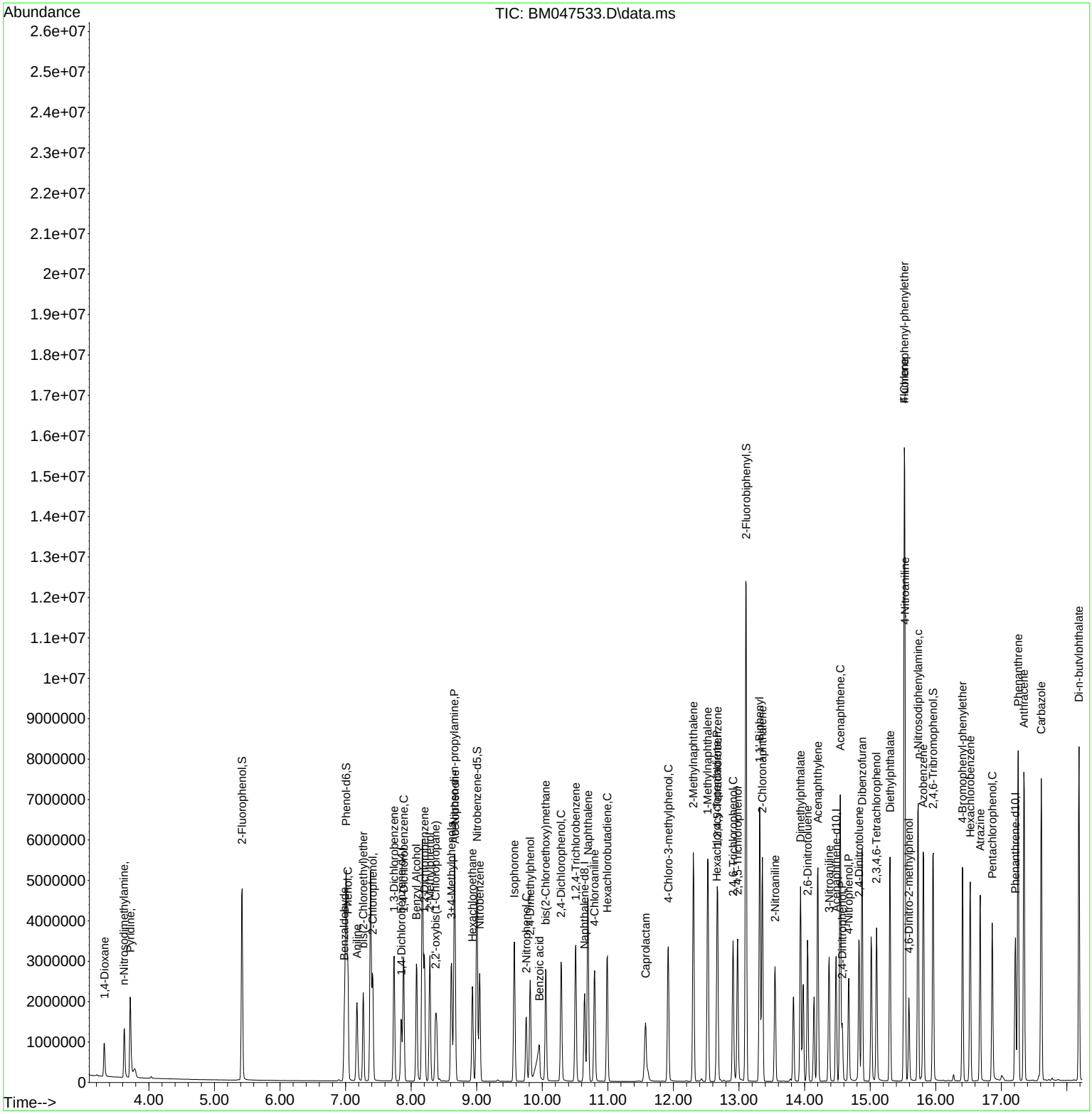

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
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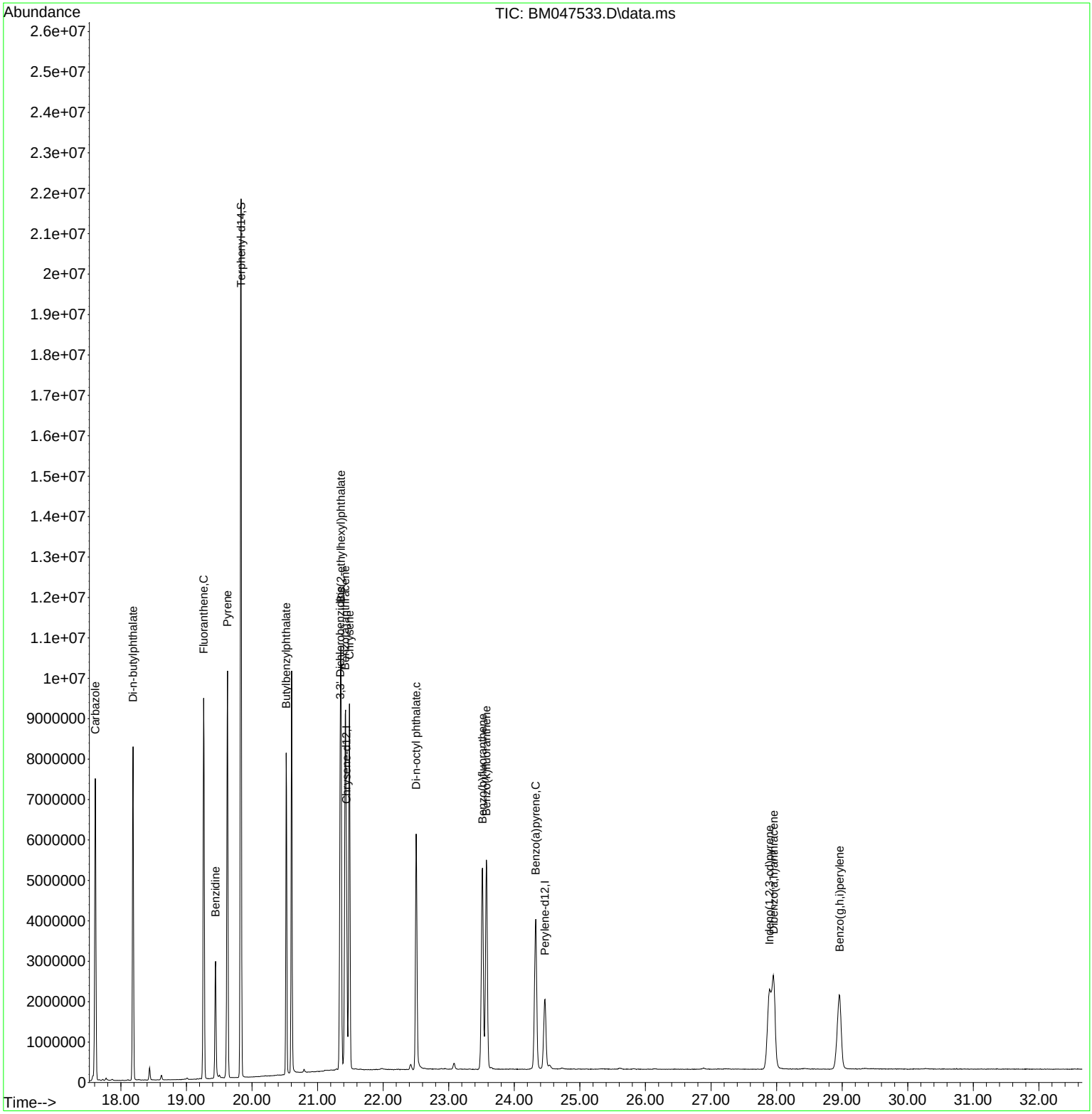
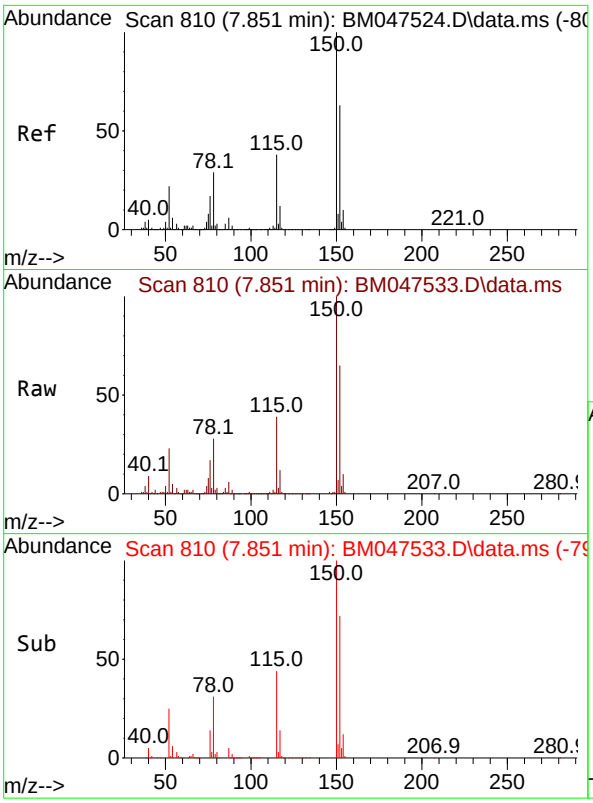
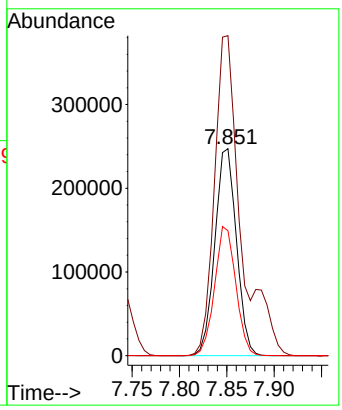




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:152 Resp: 39265

Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.8	190.2
115	60.4	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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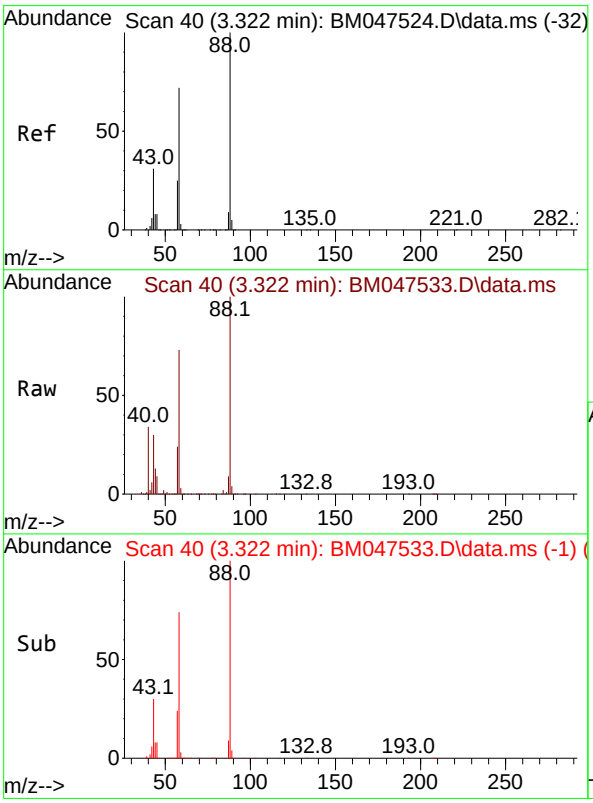
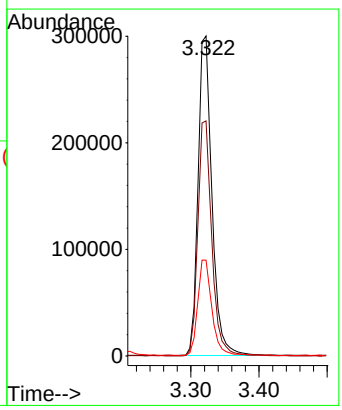
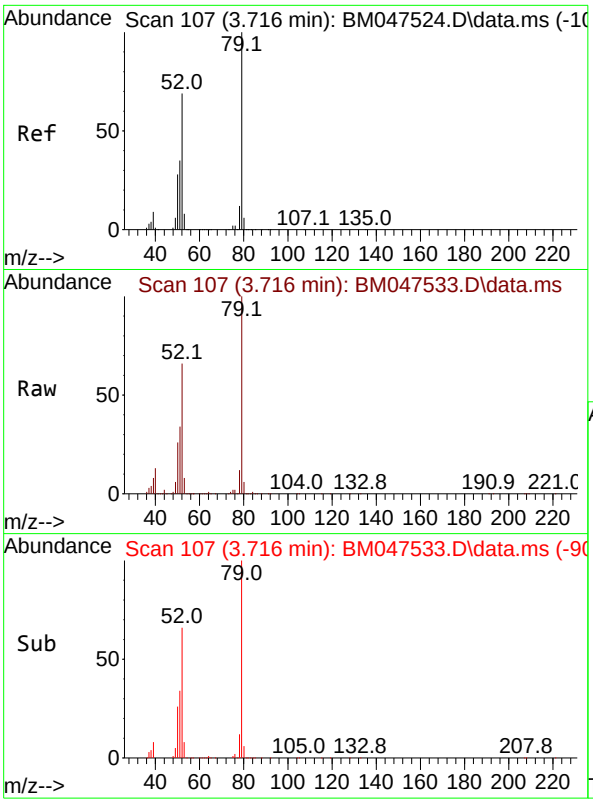


#2
1,4-Dioxane
Concen: 40.292 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 88 Resp: 425598

Ion	Ratio	Lower	Upper
88	100		
58	73.9	59.0	88.6
43	30.4	25.0	37.4

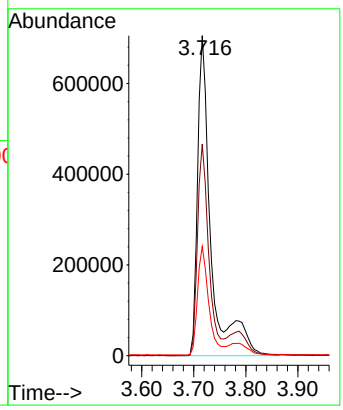




#3
Pyridine
Concen: 40.479 ng m
RT: 3.716 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 79 Resp: 127271

Ion	Ratio	Lower	Upper
79	100		
52	66.1	55.4	83.0
51	34.1	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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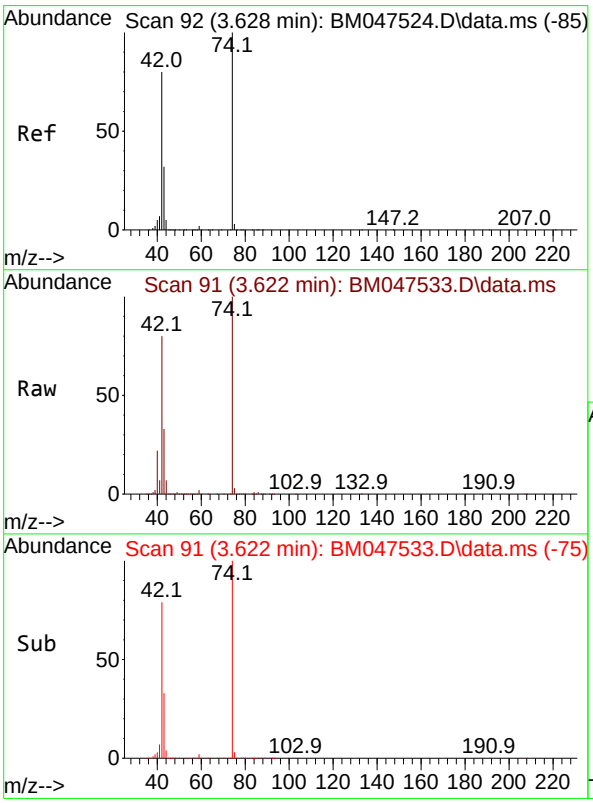
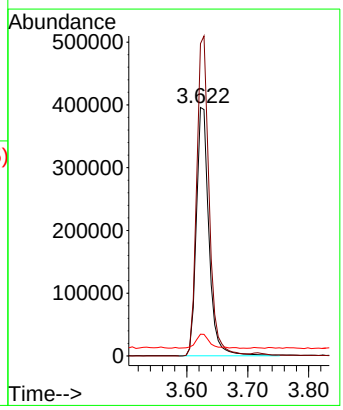
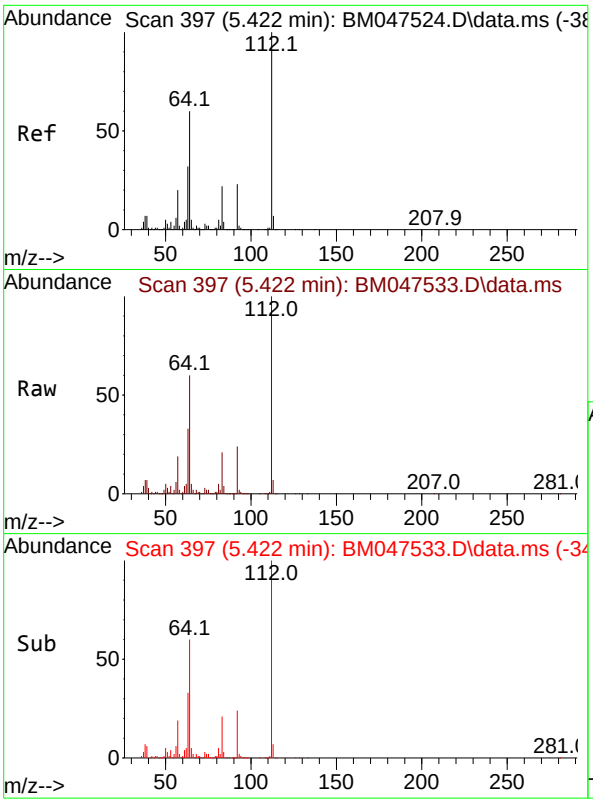


#4
n-Nitrosodimethylamine
Concen: 39.718 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 42 Resp: 566596

Ion	Ratio	Lower	Upper
42	100		
74	125.7	100.5	150.7
44	8.8	6.9	10.3

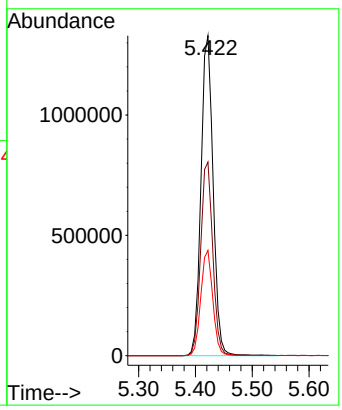




#5
2-Fluorophenol
Concen: 79.754 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:112 Resp: 196682

Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.2	72.4
63	32.9	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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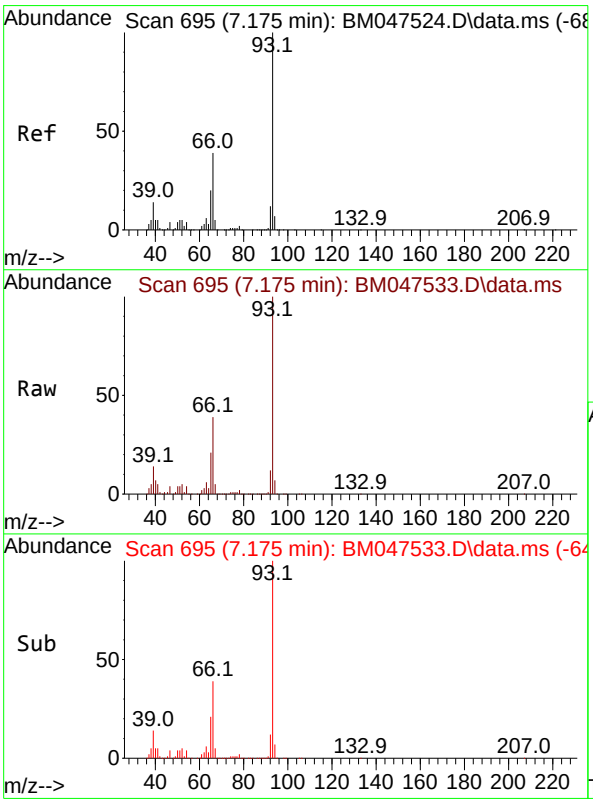
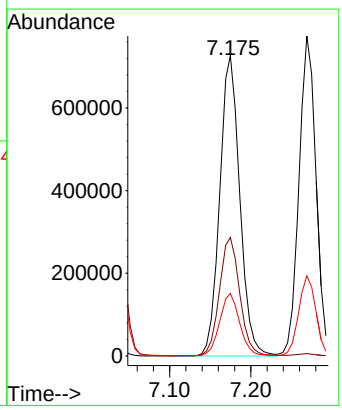
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

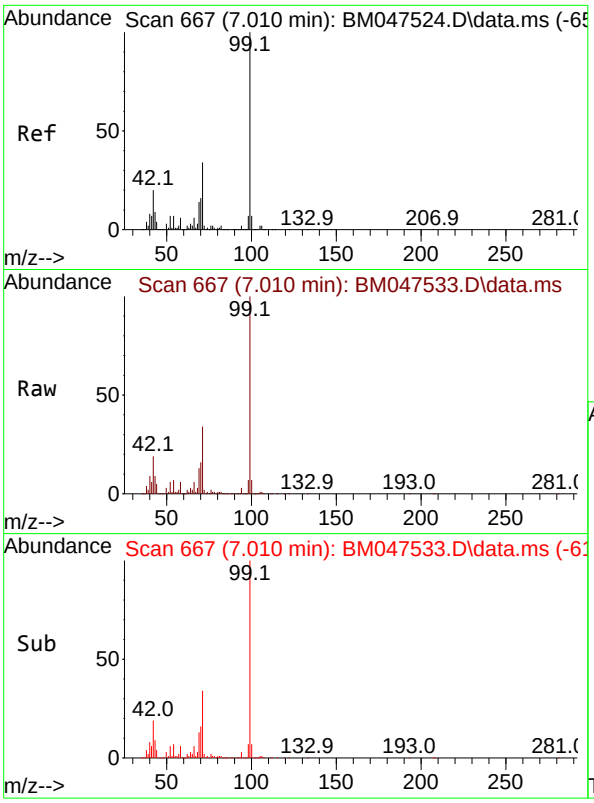


#6
Aniline
Concen: 40.518 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 93 Resp: 1247553

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.4	47.0
65	20.8	16.3	24.5

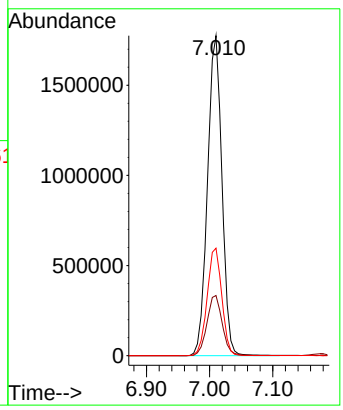




#7
Phenol-d6
Concen: 81.134 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 99 Resp: 281775(

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.8	23.8
71	33.6	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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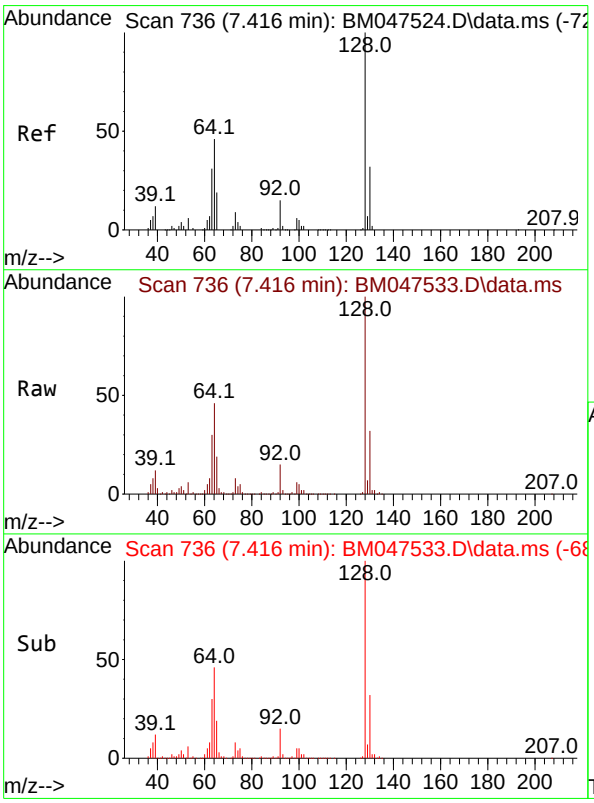
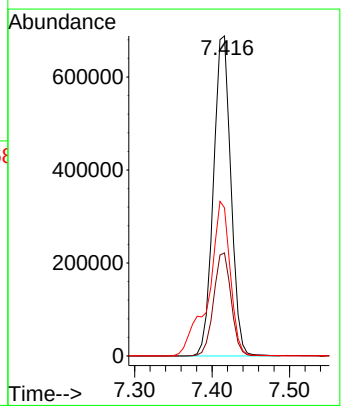
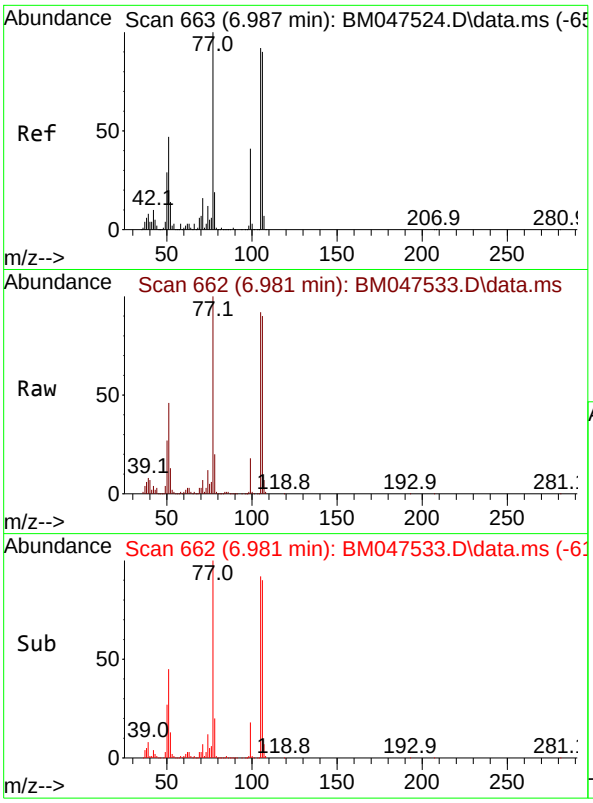


#8
2-Chlorophenol
Concen: 39.781 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:128 Resp: 1081491

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.8	51.8
64	46.3	27.6	67.6

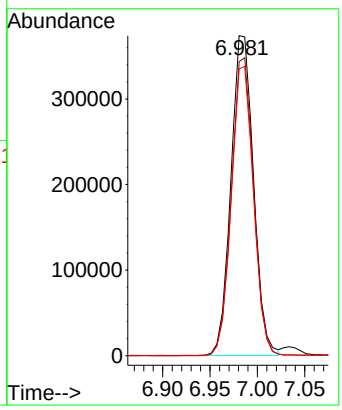




#9
Benzaldehyde
Concen: 37.547 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 77 Resp: 62003

Ion	Ratio	Lower	Upper
77	100		
105	91.9	71.8	111.8
106	89.7	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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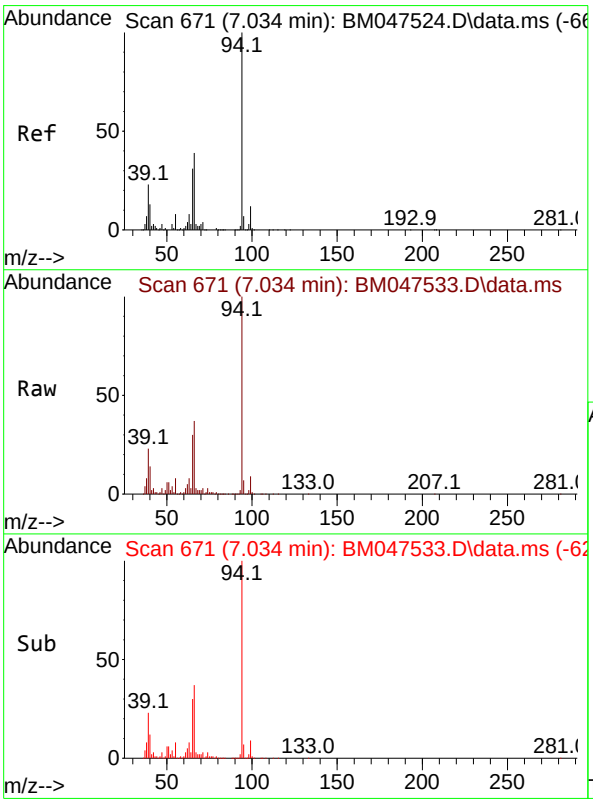
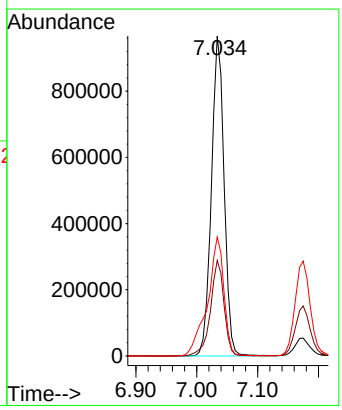
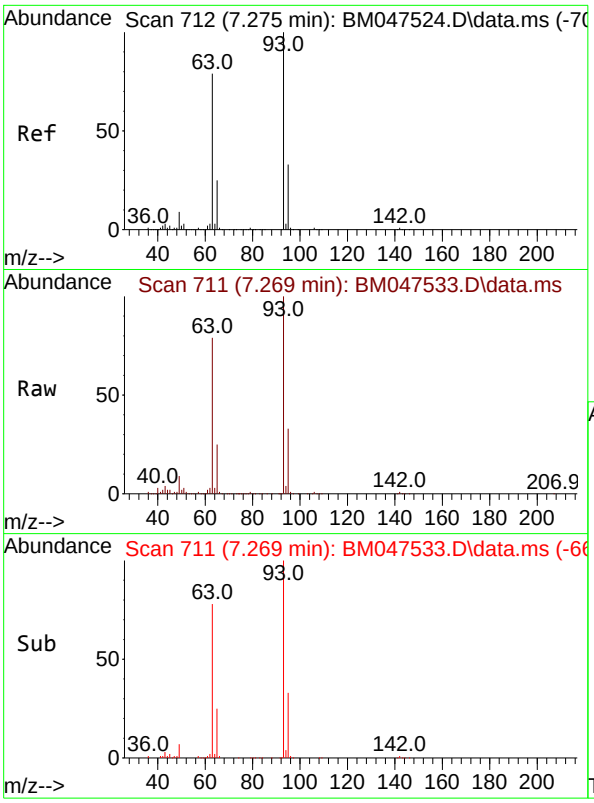


#10
Phenol
Concen: 40.304 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 94 Resp: 1401549

Ion	Ratio	Lower	Upper
94	100		
65	29.9	10.8	50.8
66	37.2	19.2	59.2

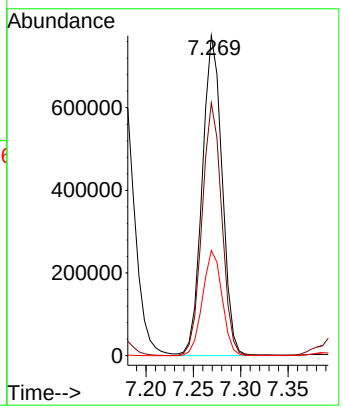




#11
bis(2-Chloroethyl)ether
Concen: 40.460 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 93 Resp: 112956

Ion	Ratio	Lower	Upper
93	100		
63	79.0	58.2	98.2
95	32.8	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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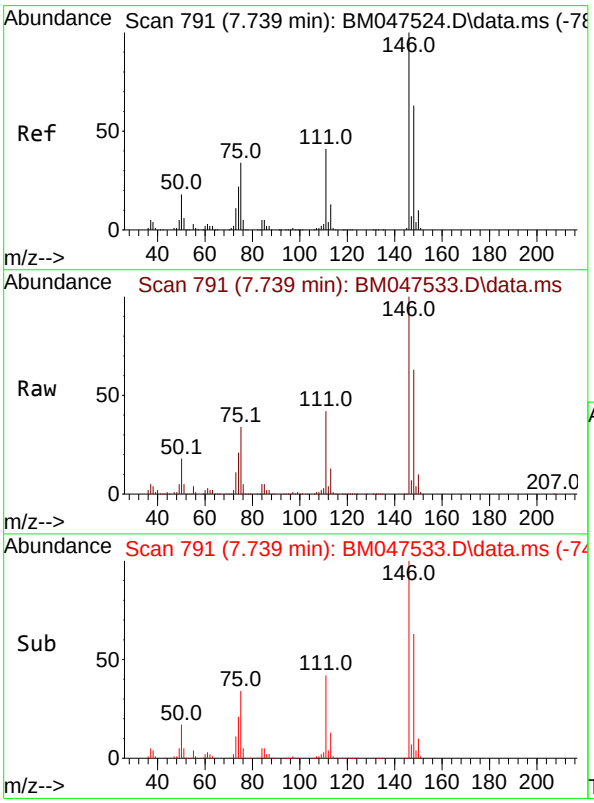
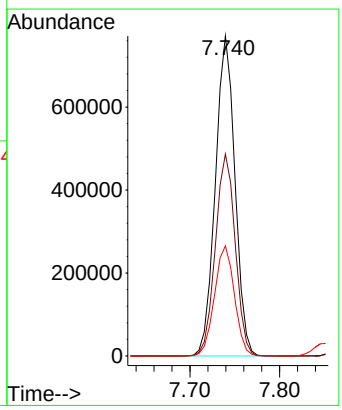
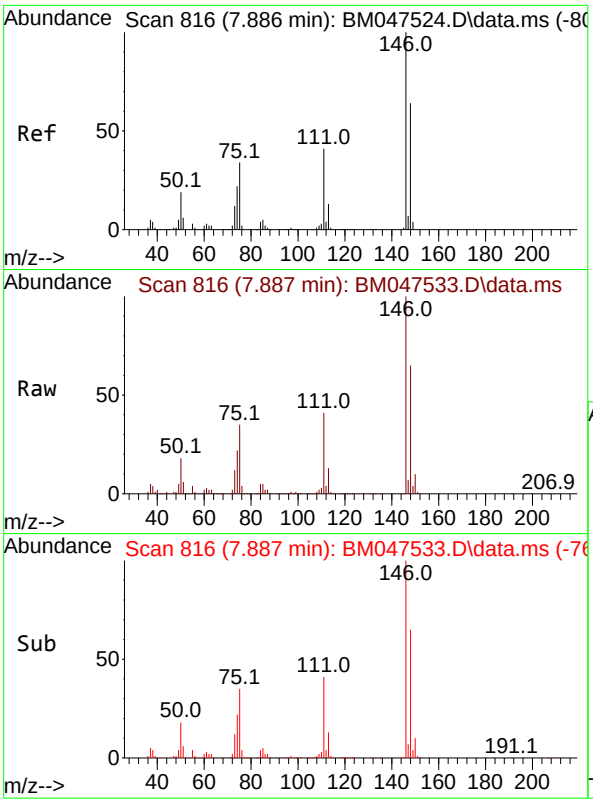


#12
1,3-Dichlorobenzene
Concen: 39.313 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:146 Resp: 1169839

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.4
75	34.4	27.4	41.0





#13
1,4-Dichlorobenzene
Concen: 39.231 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:146 Resp: 118902

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.3	76.9
111	41.5	32.9	49.3

Instrument :
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ClientSampleId :
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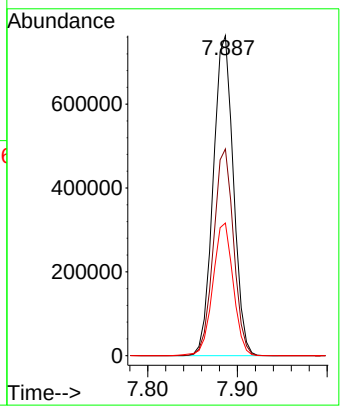
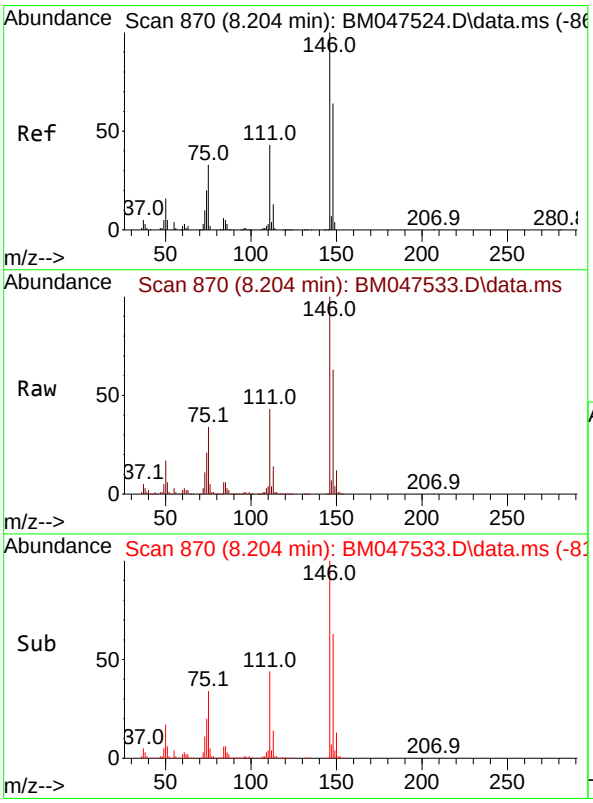
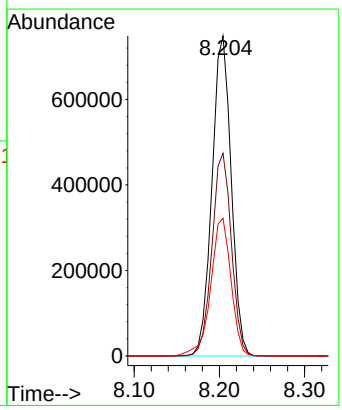


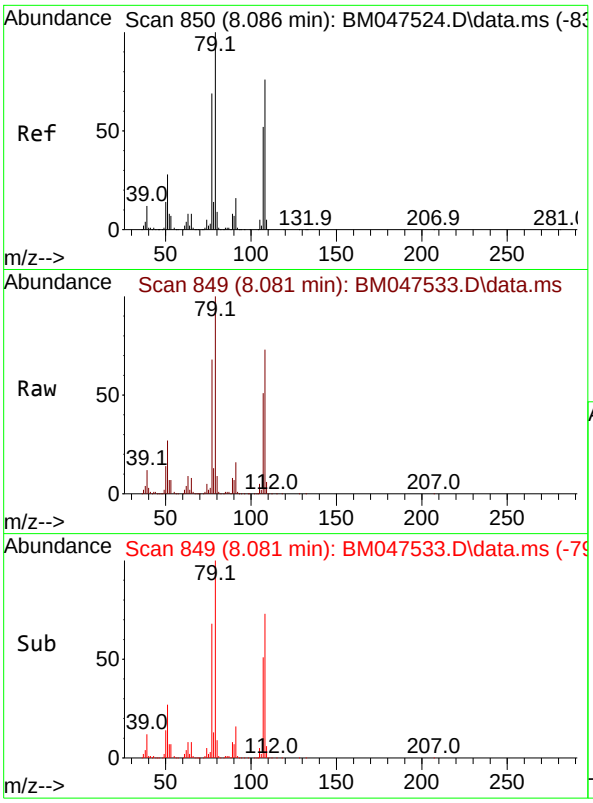


#14
1,2-Dichlorobenzene
Concen: 39.346 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:146 Resp: 1173597

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.1	76.7
111	43.0	34.7	52.1





#15
Benzyl Alcohol
Concen: 40.082 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 79 Resp: 94293

Ion	Ratio	Lower	Upper
79	100		
108	73.3	60.6	91.0
77	68.4	55.0	82.4

Instrument :
BNA_M
ClientSampleId :
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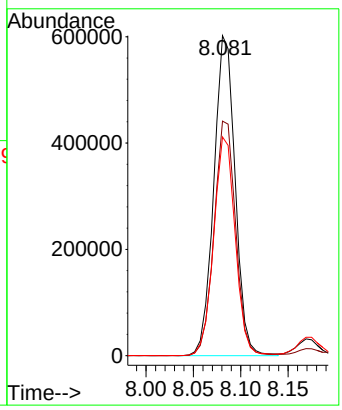
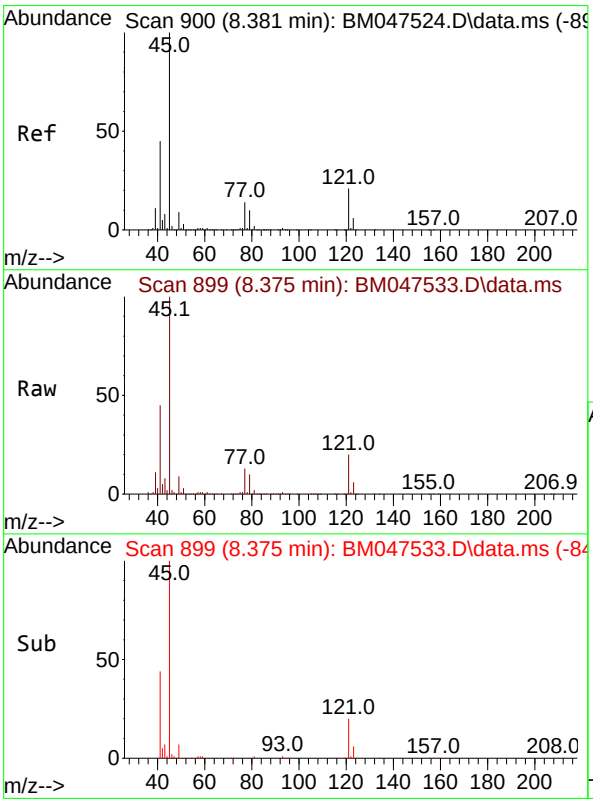
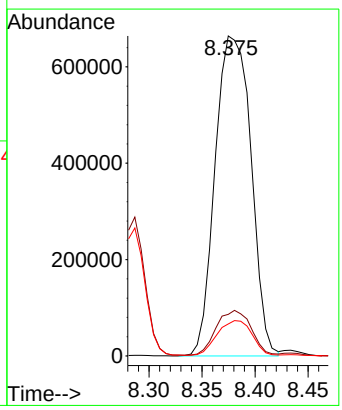


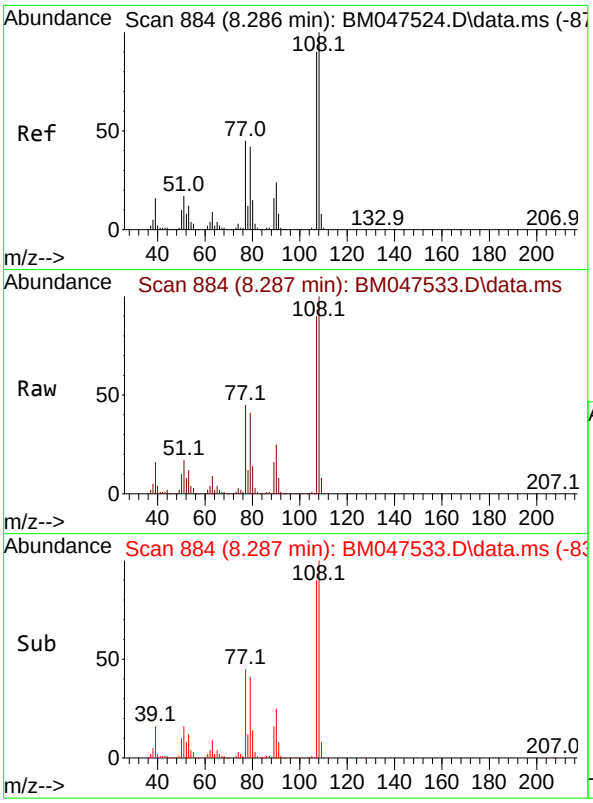


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.838 ng m
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 45 Resp: 1564489

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.7
79	10.0	0.0	30.3

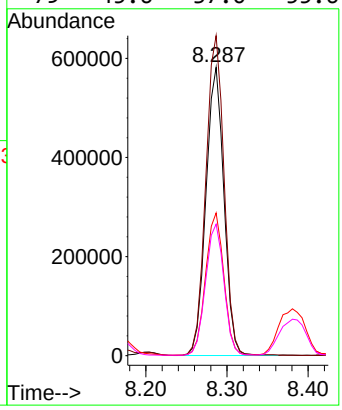




#17
2-Methylphenol
Concen: 40.301 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:107 Resp: 89529

Ion	Ratio	Lower	Upper
107	100		
108	111.0	88.9	133.3
77	49.5	39.8	59.8
79	45.6	37.0	55.6



Instrument :
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ClientSampleId :
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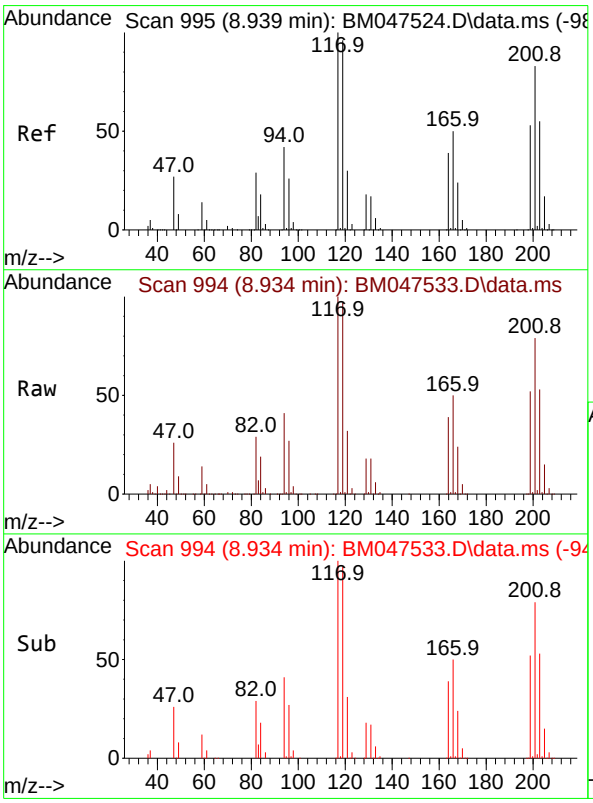
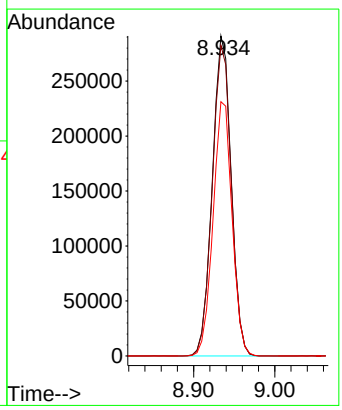
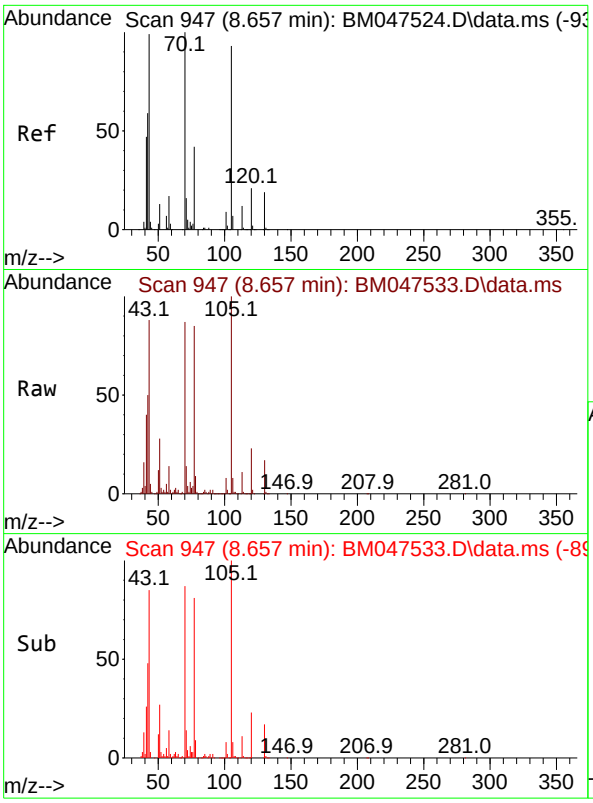


#18
Hexachloroethane
Concen: 38.895 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:117 Resp: 470922

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.4
201	79.4	66.8	100.2

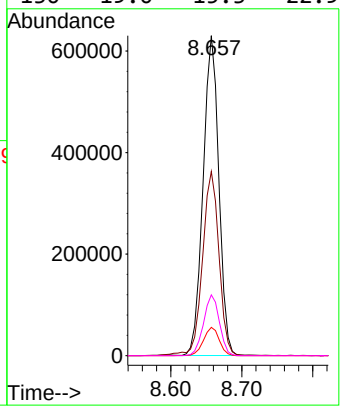




#19
n-Nitroso-di-n-propylamine
Concen: 41.470 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 70 Resp: 97104

Ion	Ratio	Lower	Upper
70	100		
42	57.5	48.2	72.2
101	8.9	7.0	10.4
130	19.0	15.3	22.9



Instrument :
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ClientSampleId :
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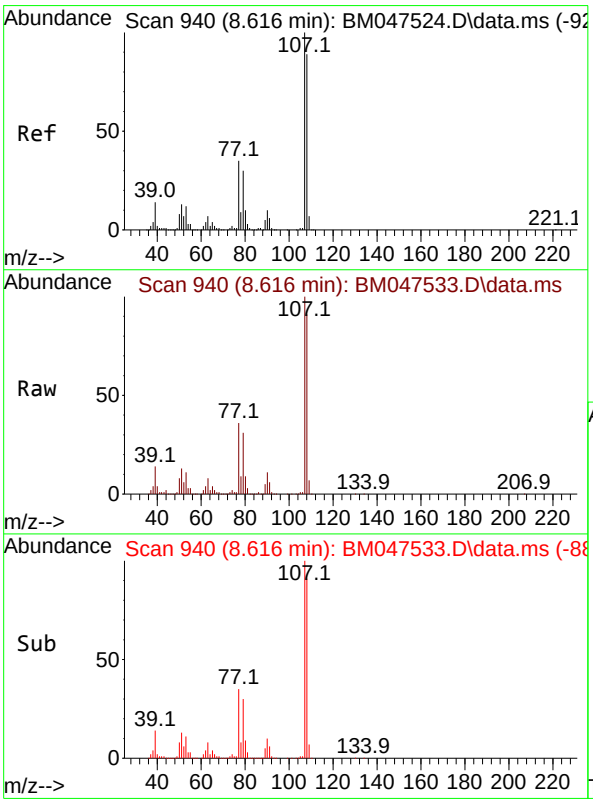
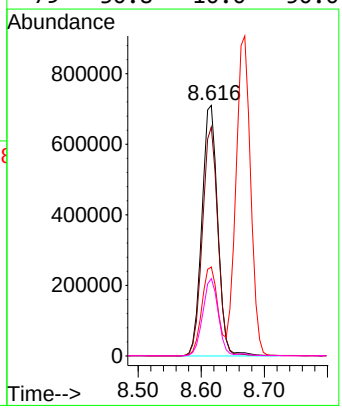
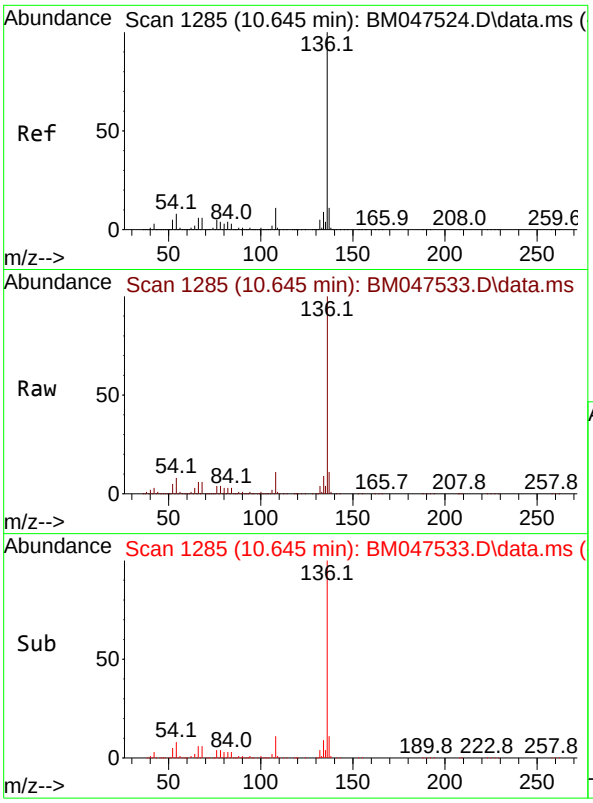


#20
3+4-Methylphenols
Concen: 39.944 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:107 Resp: 1238167

Ion	Ratio	Lower	Upper
107	100		
108	91.4	68.9	108.9
77	35.5	15.5	55.5
79	30.8	10.0	50.0

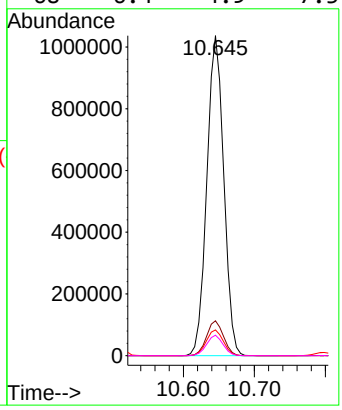




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:136 Resp: 171335

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.1	6.6	9.8
68	6.4	4.9	7.3



Instrument :
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ClientSampleId :
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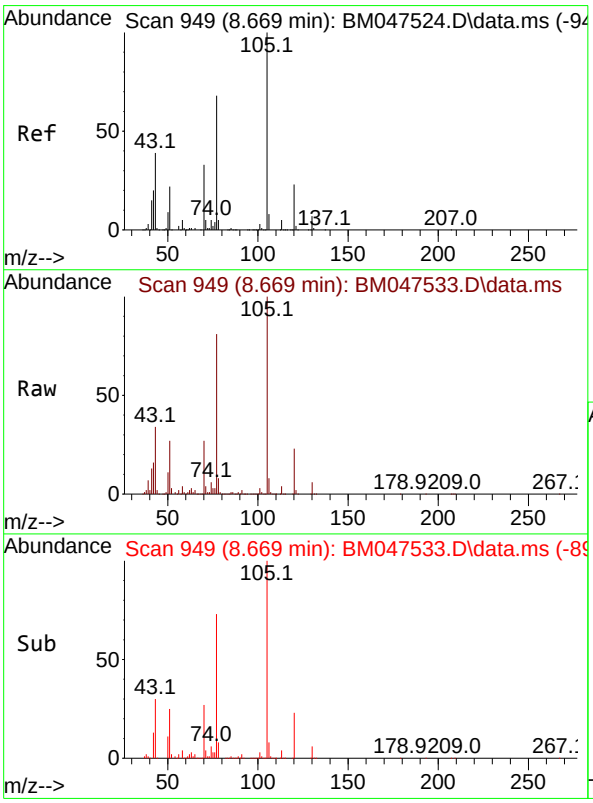
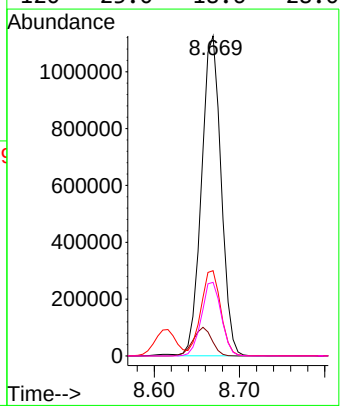
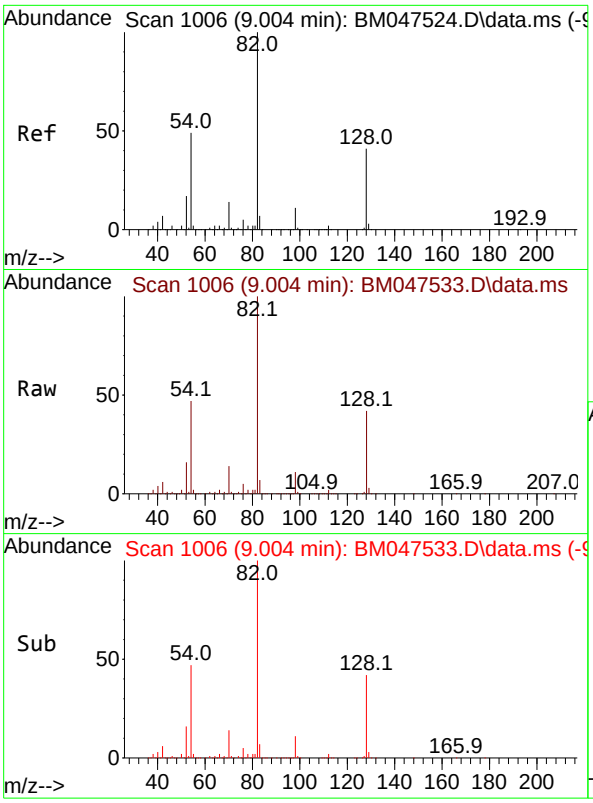


#22
Acetophenone
Concen: 39.840 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:105 Resp: 1794602

Ion	Ratio	Lower	Upper
105	100		
71	4.3	4.3	6.5#
51	26.7	21.5	32.3
120	23.0	18.6	28.0

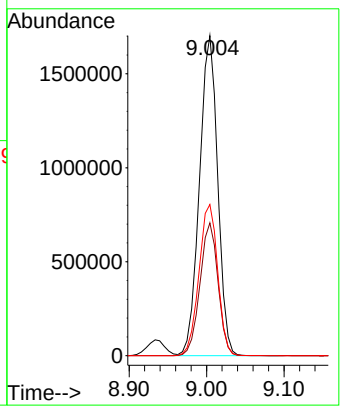




#23
Nitrobenzene-d5
Concen: 81.114 ng
RT: 9.004 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 82 Resp: 277697(

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.0	49.4
54	47.3	39.3	58.9



Instrument :
BNA_M
ClientSampleId :
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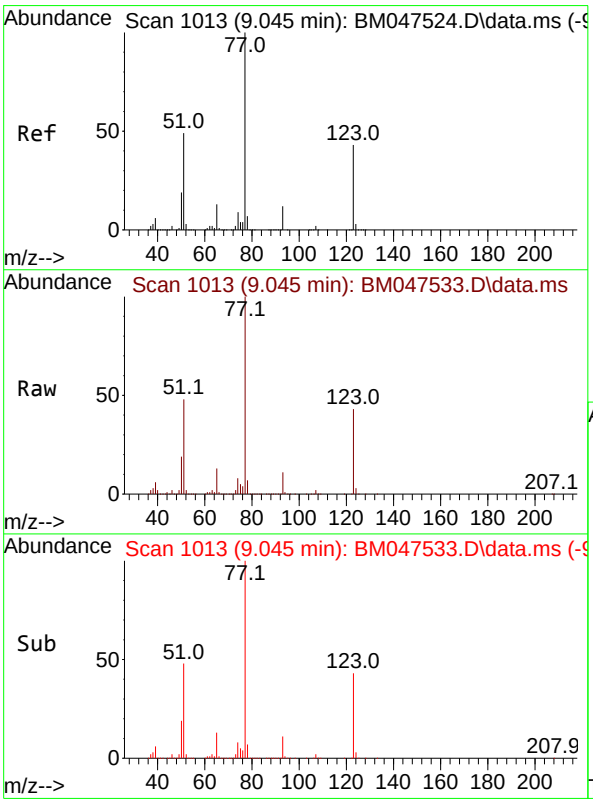
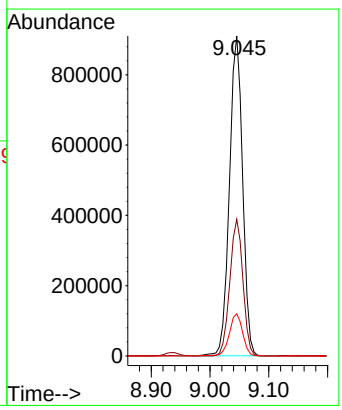
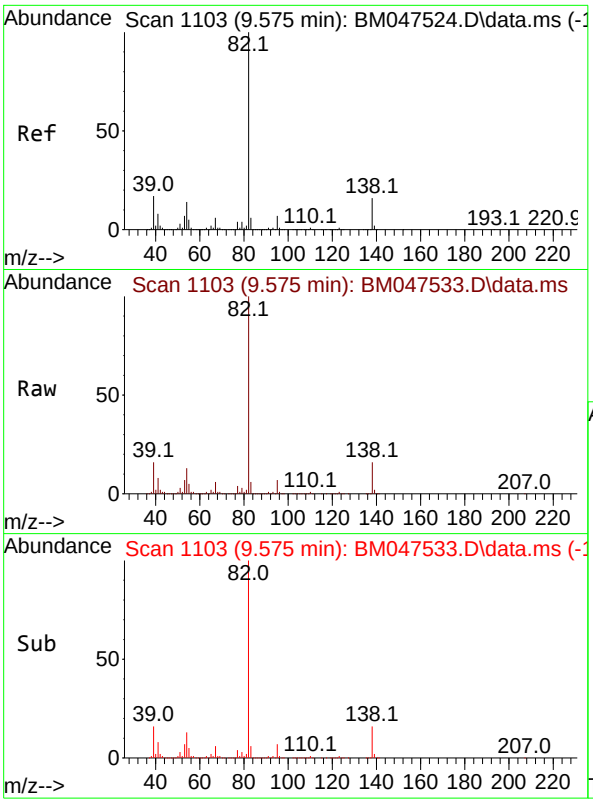


#24
Nitrobenzene
Concen: 40.197 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 77 Resp: 1414113

Ion	Ratio	Lower	Upper
77	100		
123	42.7	34.5	51.7
65	13.2	10.7	16.1

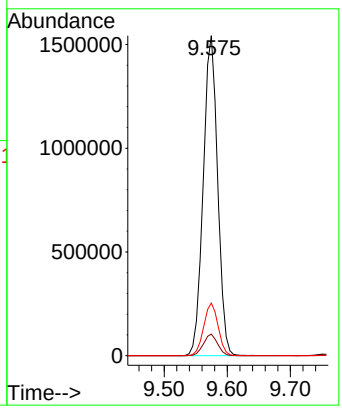




#25
Isophorone
Concen: 40.635 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 82 Resp: 244574

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.0
138	16.4	12.9	19.3



Instrument :
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ClientSampleId :
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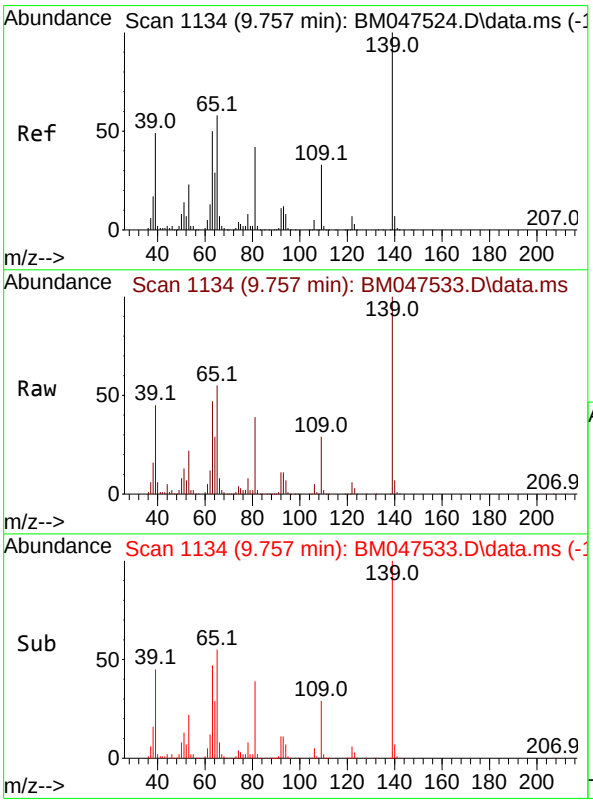
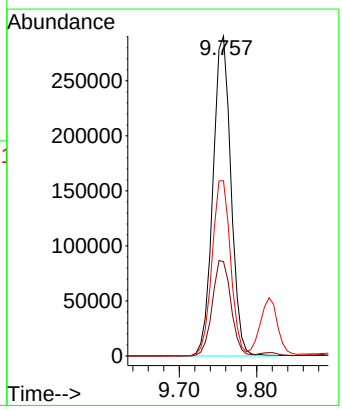
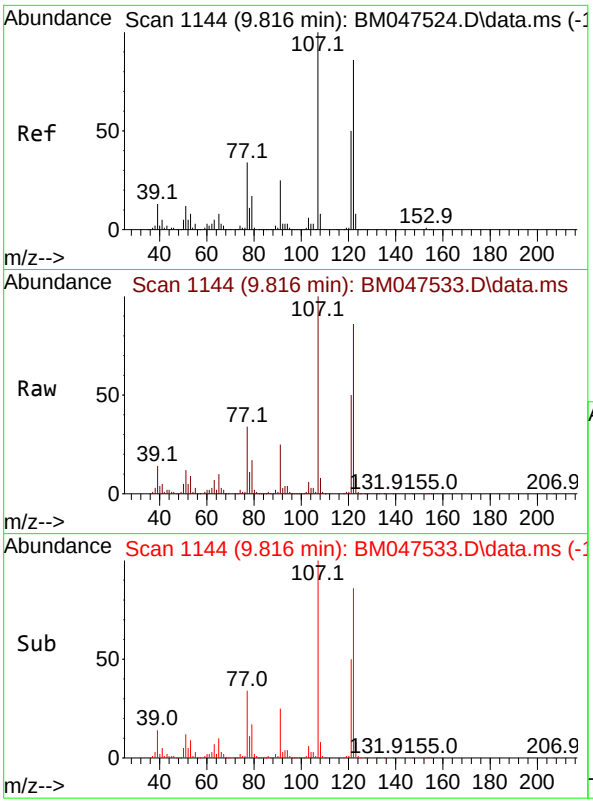


#26
2-Nitrophenol
Concen: 39.105 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:139 Resp: 468784

Ion	Ratio	Lower	Upper
139	100		
109	29.5	26.0	39.0
65	54.7	46.2	69.4

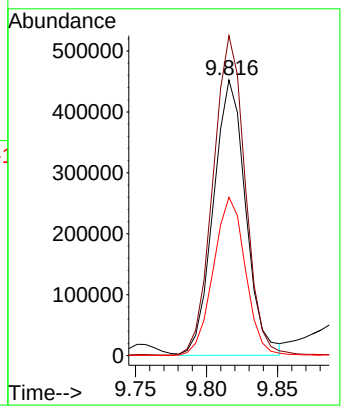




#27
2,4-Dimethylphenol
Concen: 39.346 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:122 Resp: 714999

Ion	Ratio	Lower	Upper
122	100		
107	116.1	92.4	138.6
121	57.5	46.2	69.4



Instrument :
BNA_M
ClientSampleId :
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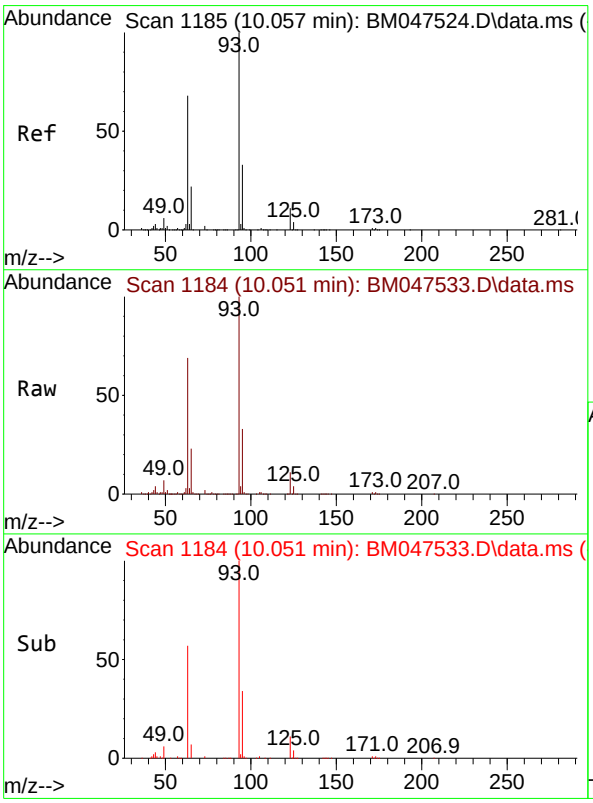
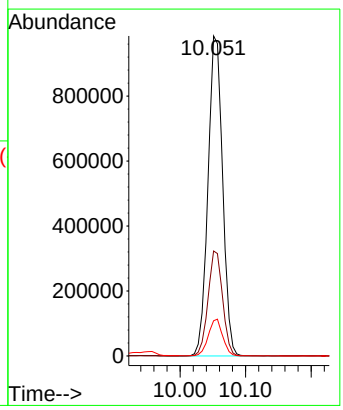
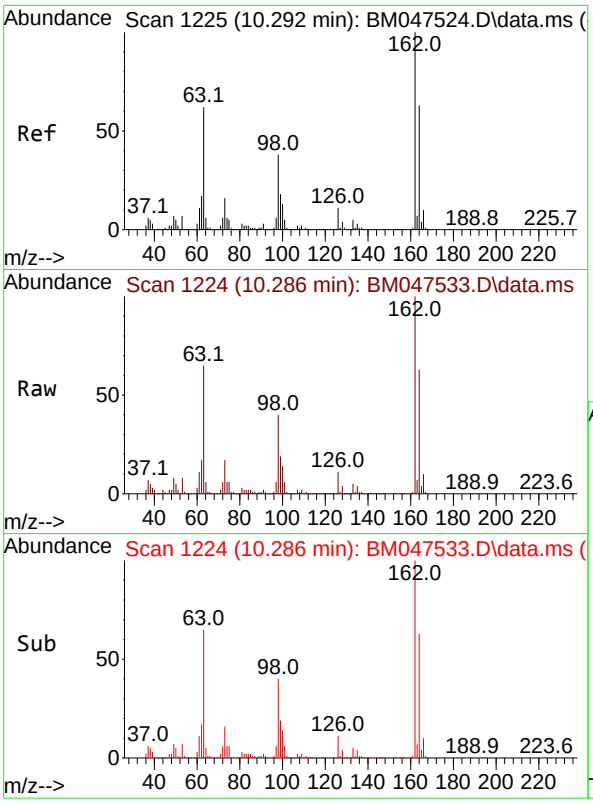


#28
bis(2-Chloroethoxy)methane
Concen: 40.374 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 93 Resp: 1526369

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	11.0	9.2	13.8

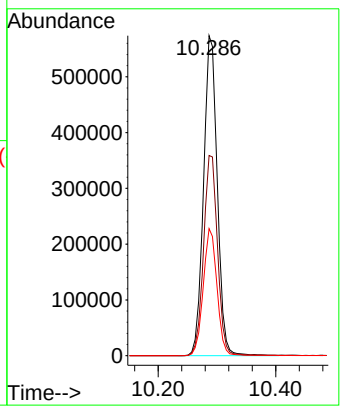




#29
2,4-Dichlorophenol
Concen: 40.351 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:162 Resp: 93160

Ion	Ratio	Lower	Upper
162	100		
164	62.6	43.5	83.5
98	39.7	17.6	57.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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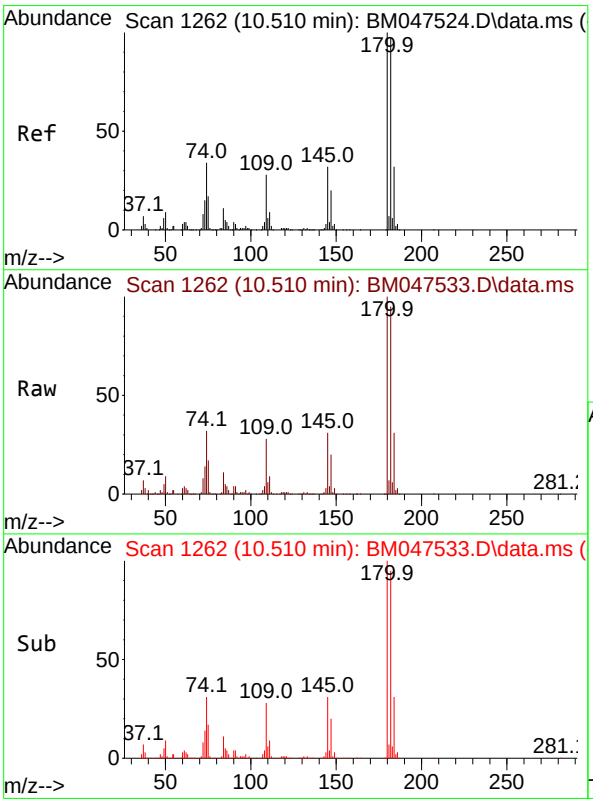
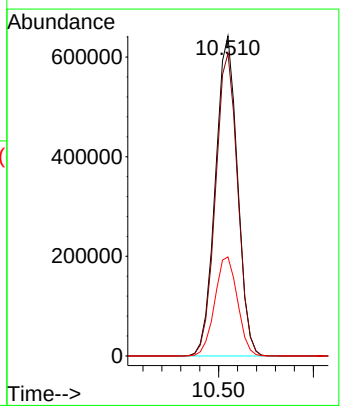
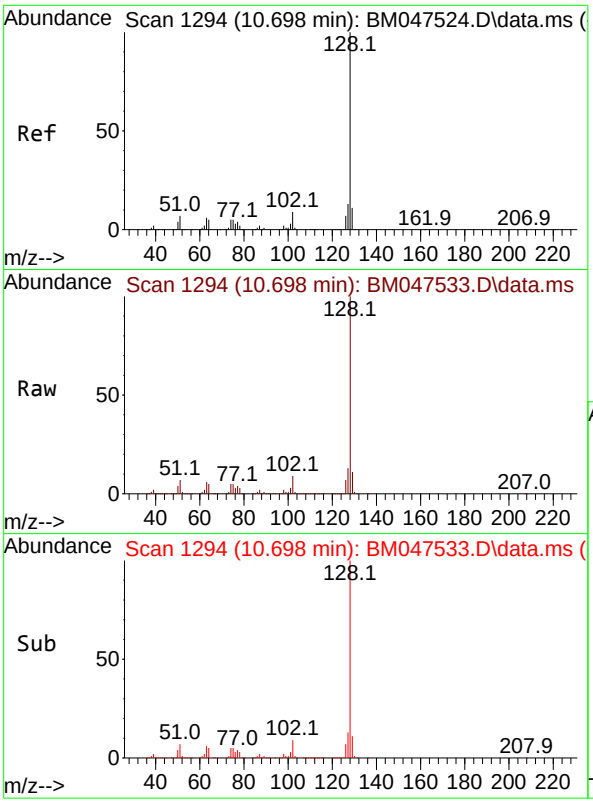


#30
1,2,4-Trichlorobenzene
Concen: 39.325 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:180 Resp: 1039982

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.6	116.4
145	30.9	25.4	38.0

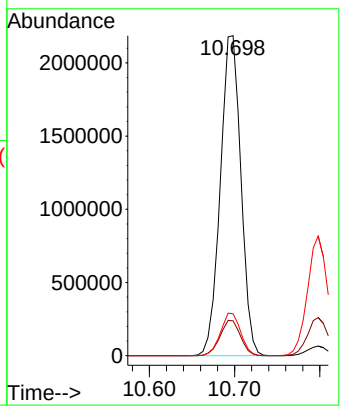




#31
Naphthalene
Concen: 39.680 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:128 Resp: 367174

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.5	15.7



Instrument :
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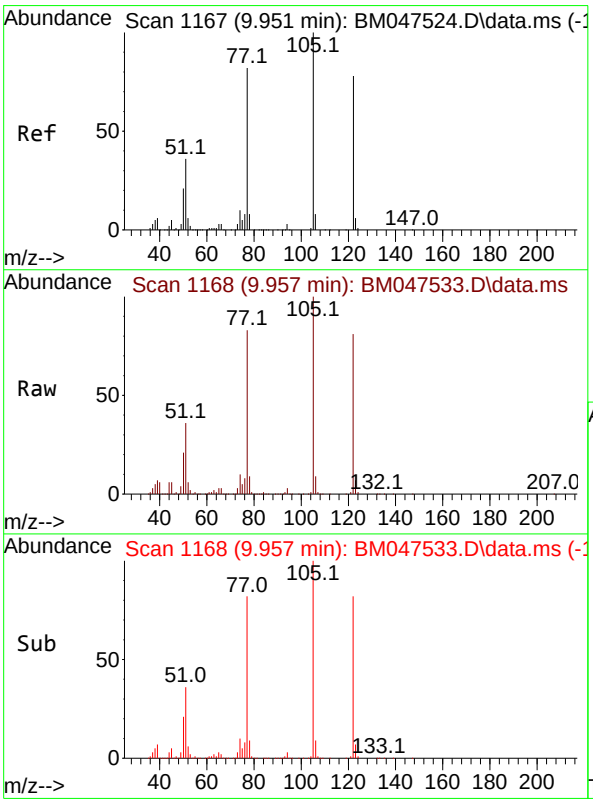
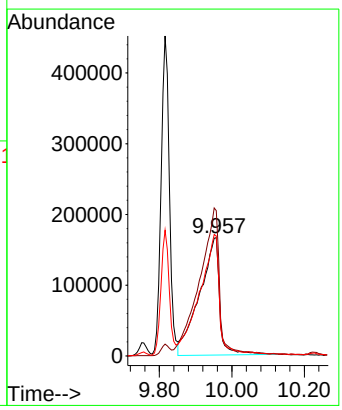
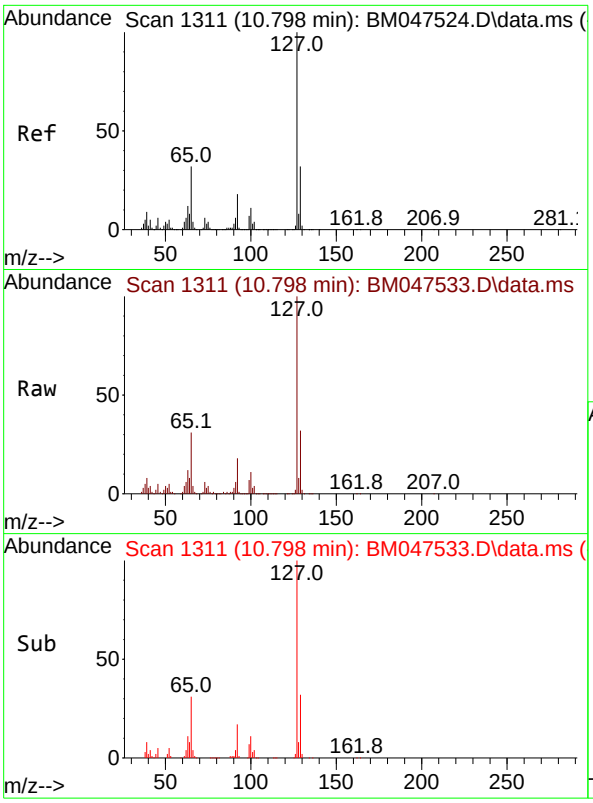


#32
Benzoic acid
Concen: 37.431 ng
RT: 9.957 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:122 Resp: 639811

Ion	Ratio	Lower	Upper
122	100		
105	122.9	104.7	144.7
77	101.4	83.4	123.4

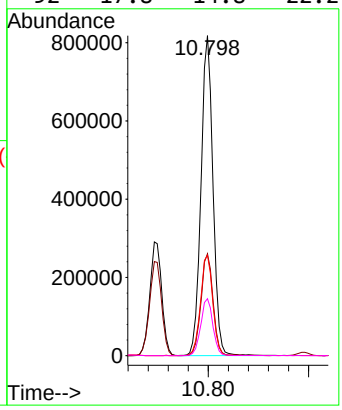




#33
4-Chloroaniline
Concen: 40.562 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:127 Resp: 135705

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.0
65	31.4	25.5	38.3
92	17.8	14.8	22.2



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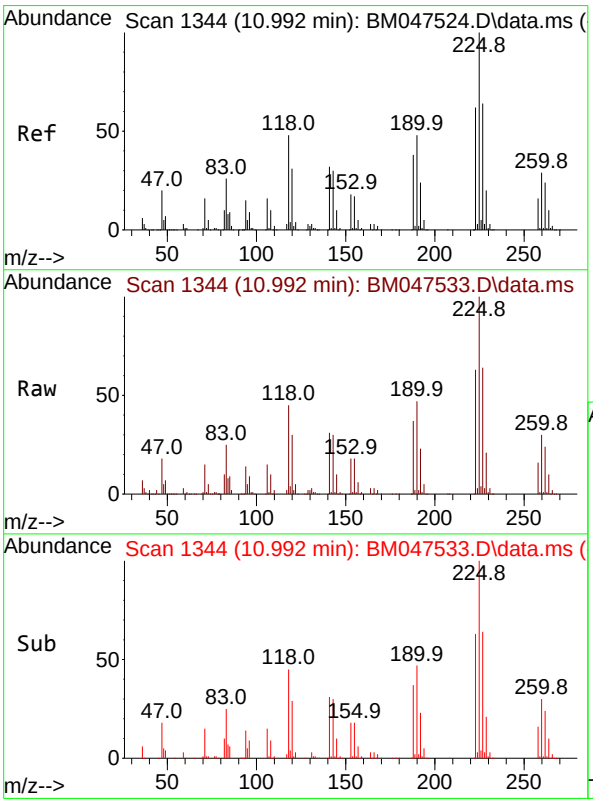
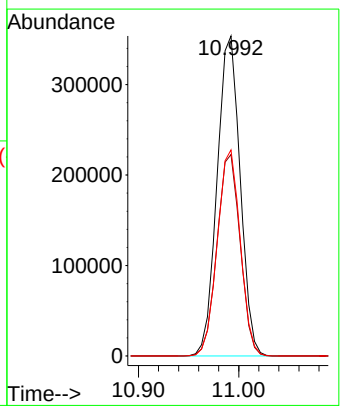
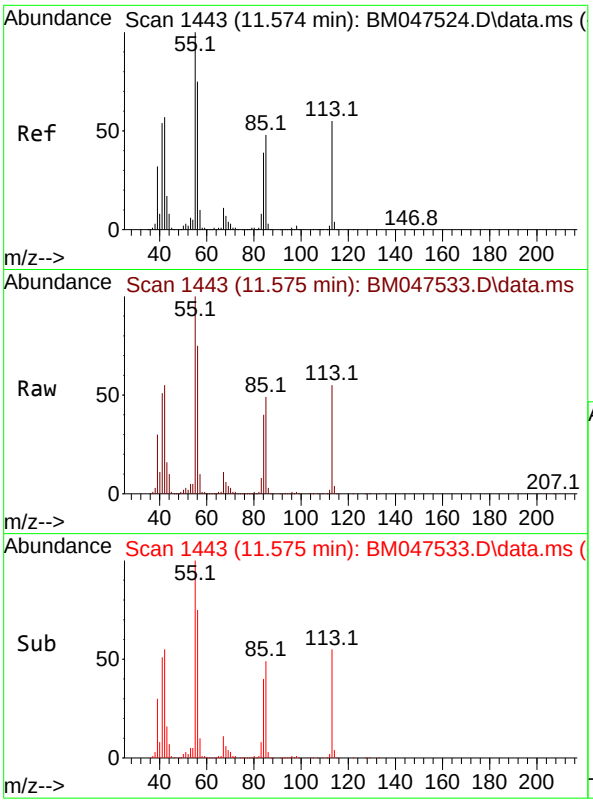


#34
Hexachlorobutadiene
Concen: 38.483 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:225 Resp: 563700

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.8	74.6
227	64.4	51.0	76.4





#35
Caprolactam
Concen: 43.526 ng
RT: 11.575 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:113 Resp: 33098

Ion	Ratio	Lower	Upper
113	100		
55	180.6	162.5	202.5
56	136.0	116.5	156.5

Instrument :
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ClientSampleId :
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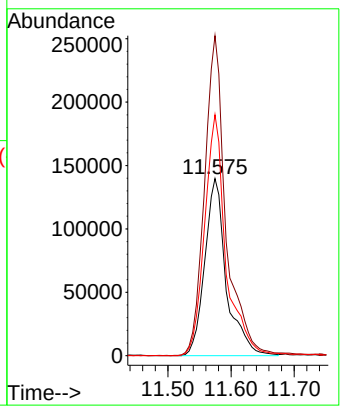
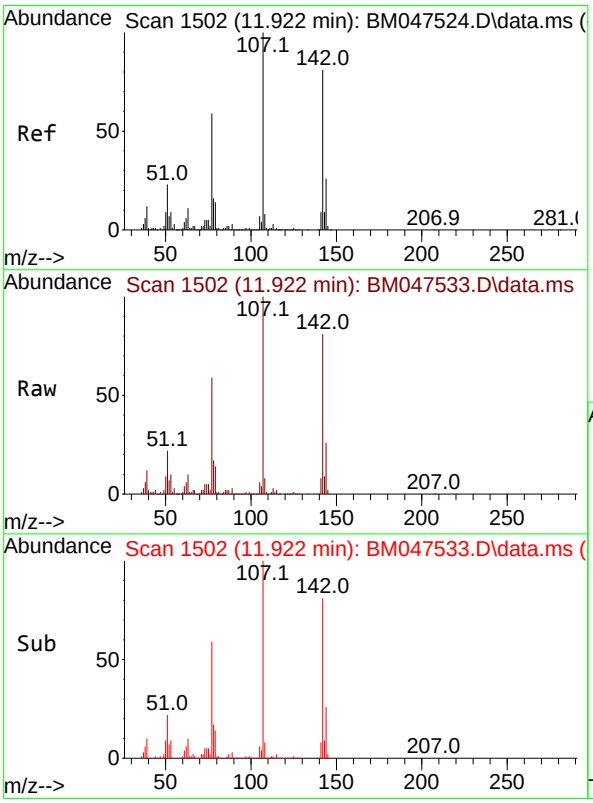
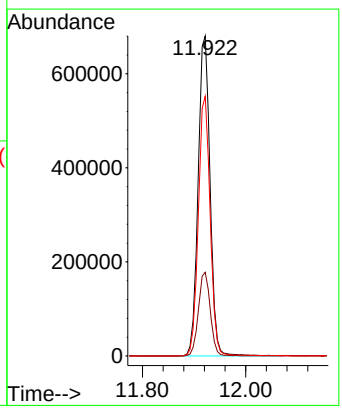


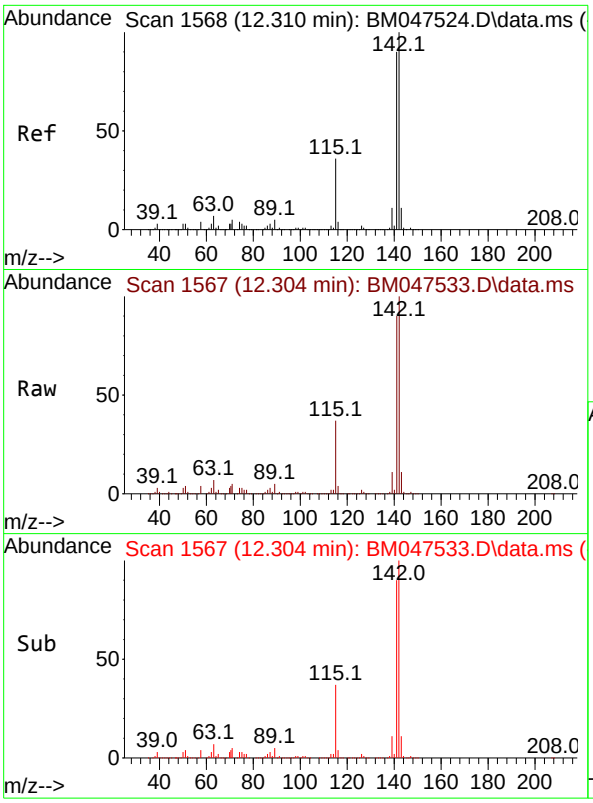


#36
4-Chloro-3-methylphenol
Concen: 41.231 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:107 Resp: 1090907

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.5	30.7
142	81.2	65.0	97.4

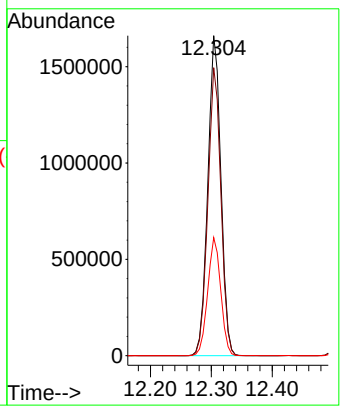




#37
2-Methylnaphthalene
Concen: 40.201 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:142 Resp: 247586

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.2	108.4
115	36.9	29.1	43.7



Instrument :
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ClientSampleId :
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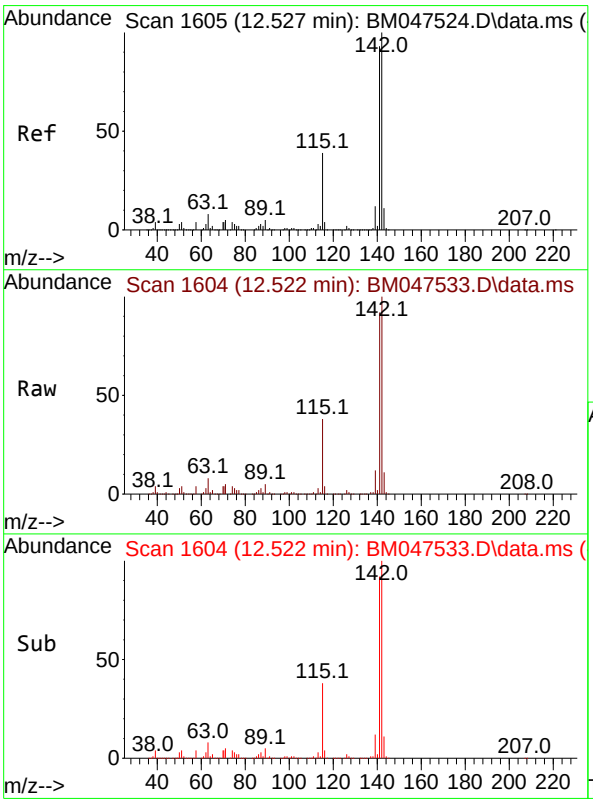
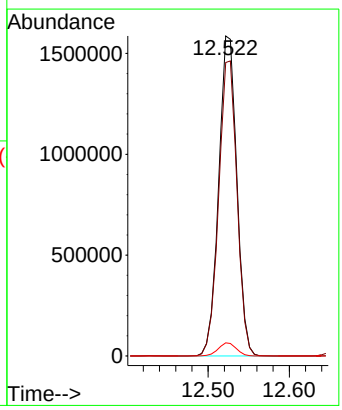
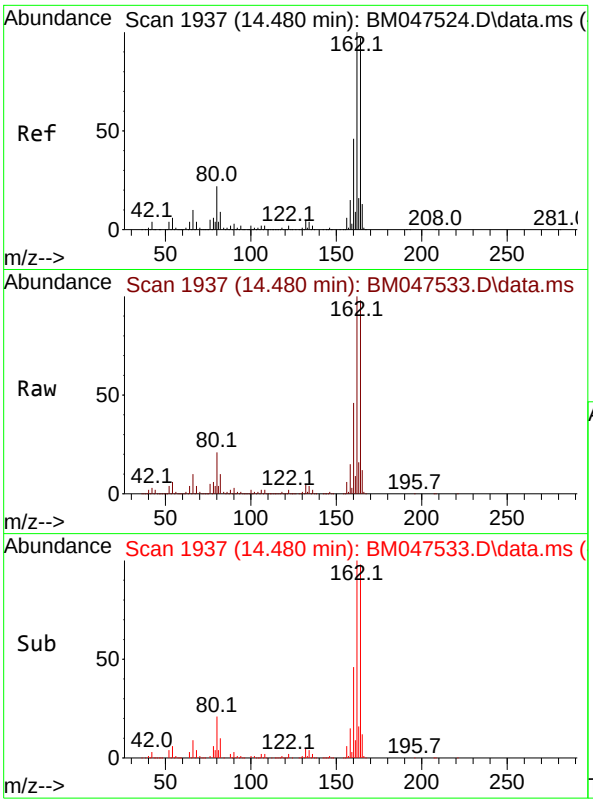


#38
1-Methylnaphthalene
Concen: 40.320 ng
RT: 12.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:142 Resp: 2467751

Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.7	112.1
116	4.1	3.2	4.8

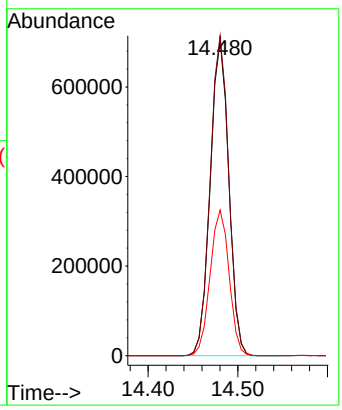




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:164 Resp: 101116

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.2
160	46.2	38.2	57.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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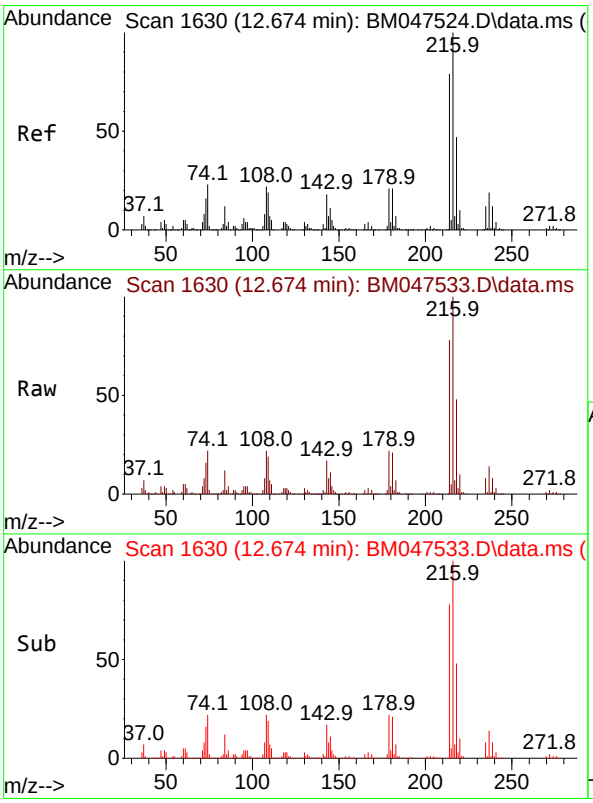
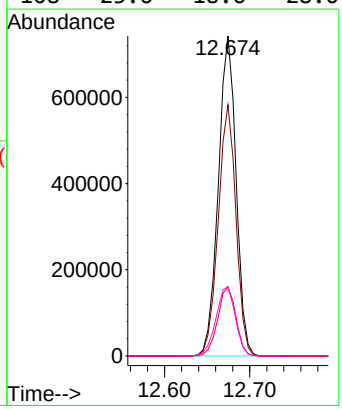
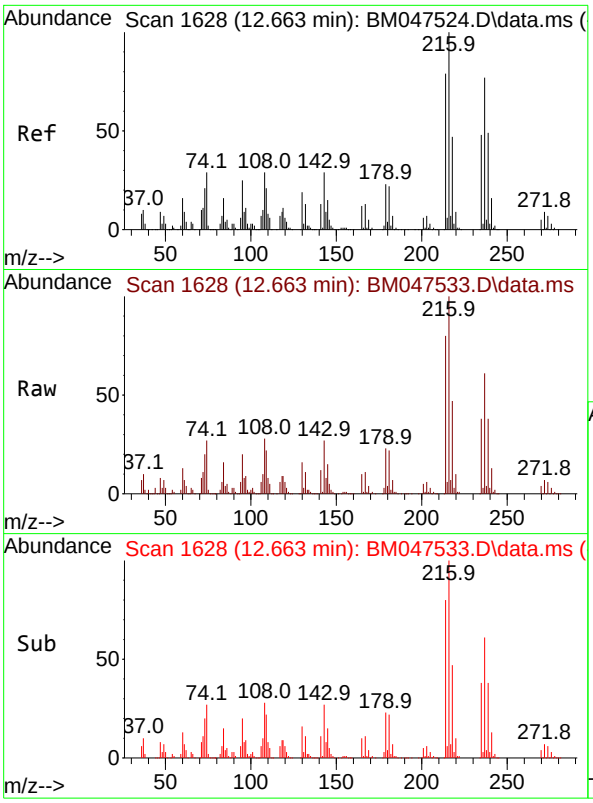


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.334 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:216 Resp: 1076240

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.6
179	22.2	17.5	26.3
108	23.6	18.6	28.0

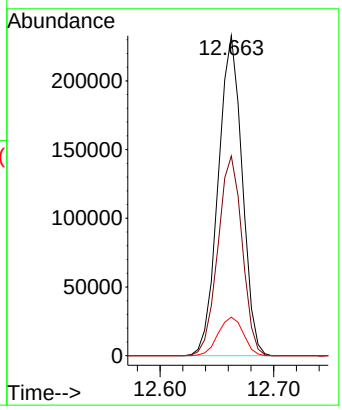




#41
Hexachlorocyclopentadiene
Concen: 38.172 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:237 Resp: 34144

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.0	82.0
272	12.1	0.0	31.5



Instrument :
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ClientSampleId :
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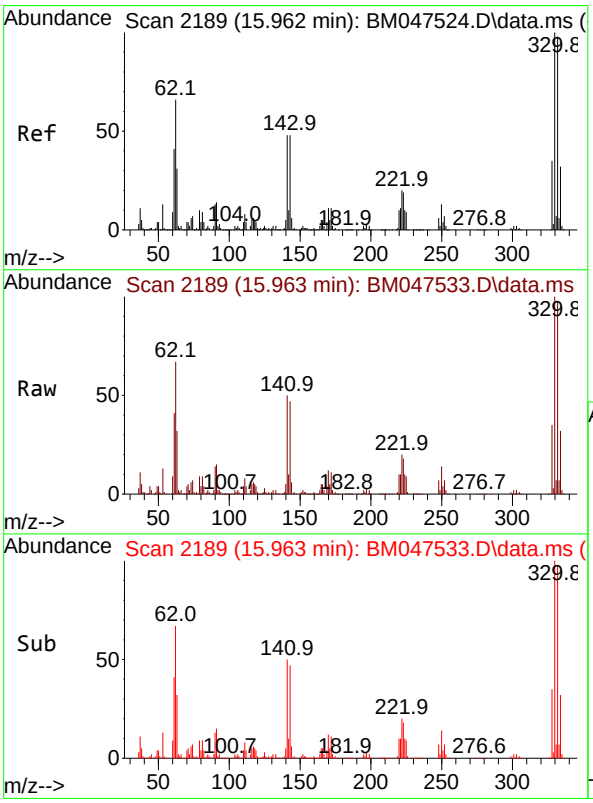
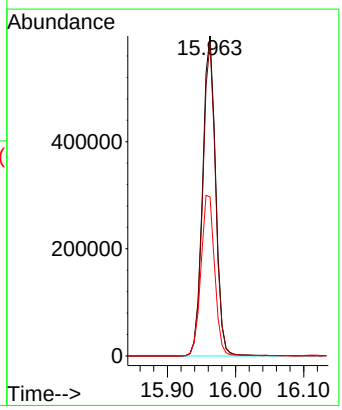
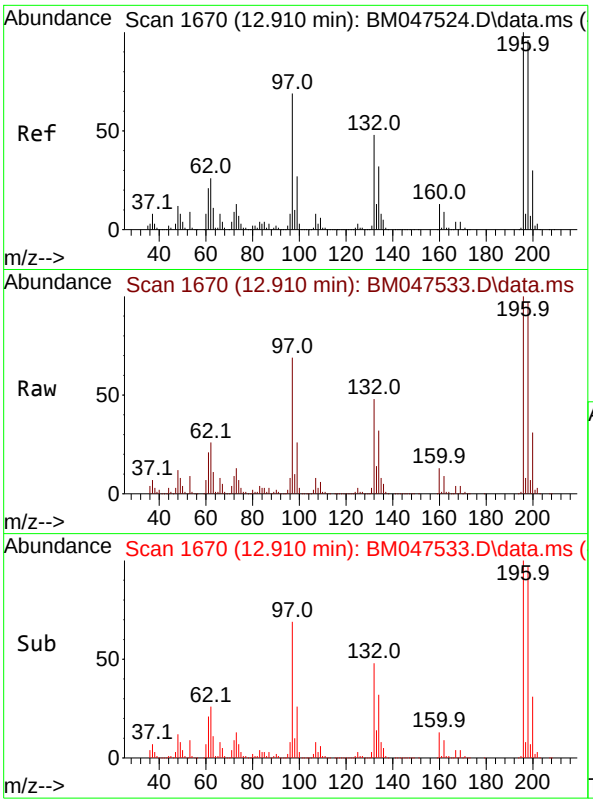


#42
2,4,6-Tribromophenol
Concen: 81.414 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:330 Resp: 795722

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	53.0	42.2	63.2

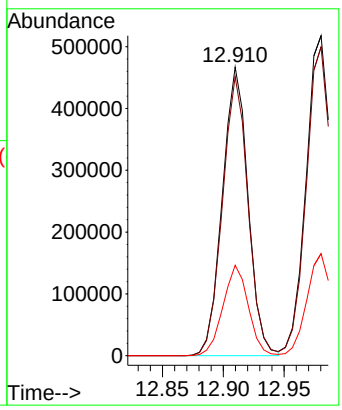




#43
2,4,6-Trichlorophenol
Concen: 40.025 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:196 Resp: 68610

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.9	115.3
200	31.3	24.3	36.5



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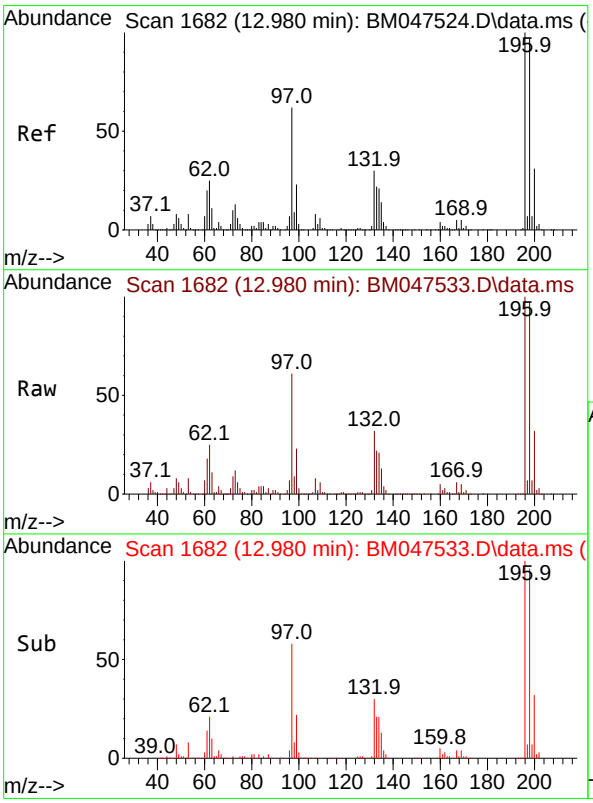
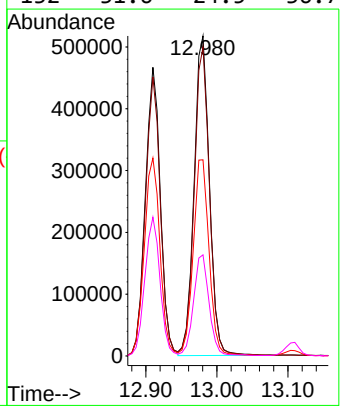
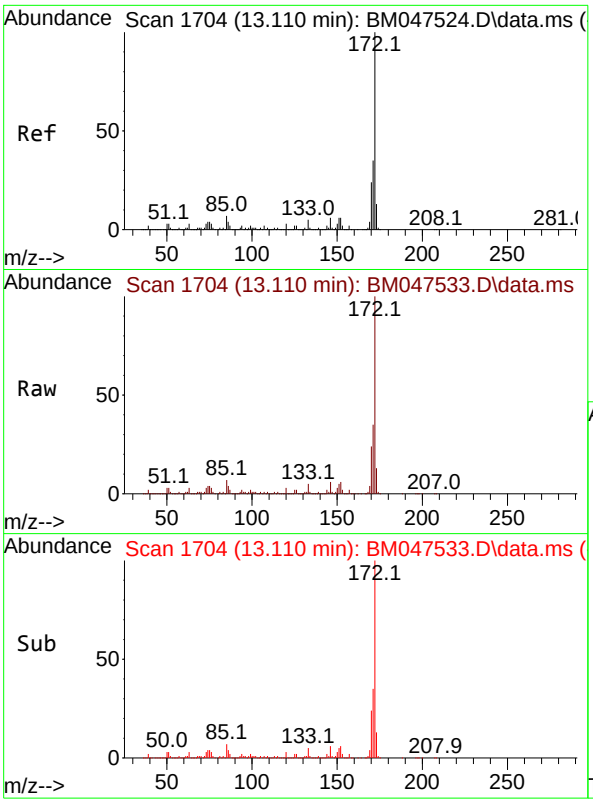


#44
2,4,5-Trichlorophenol
Concen: 40.261 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:196 Resp: 779520

Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.4	116.2
97	61.3	49.8	74.8
132	31.6	24.5	36.7

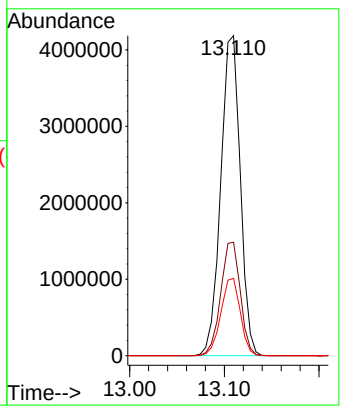




#45
2-Fluorobiphenyl
Concen: 81.679 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:172 Resp: 599566

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	24.2	19.4	29.0



Instrument :
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ClientSampleId :
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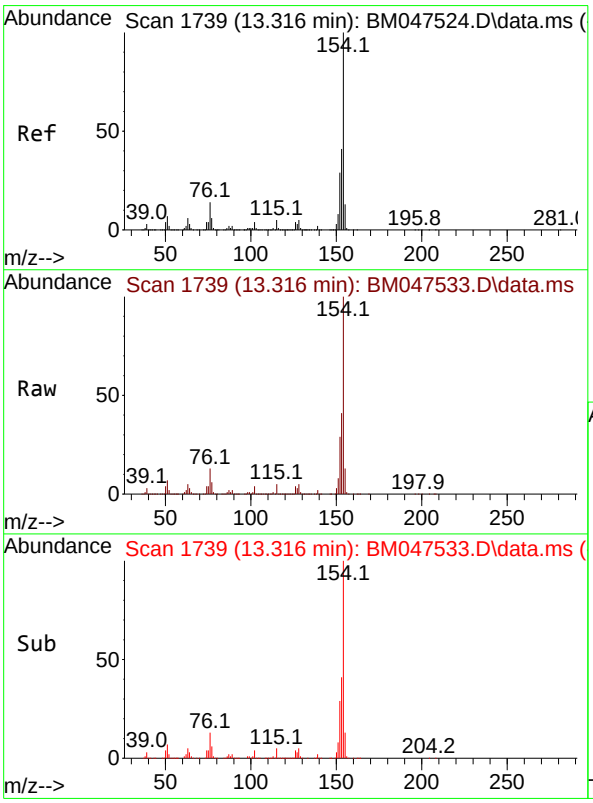
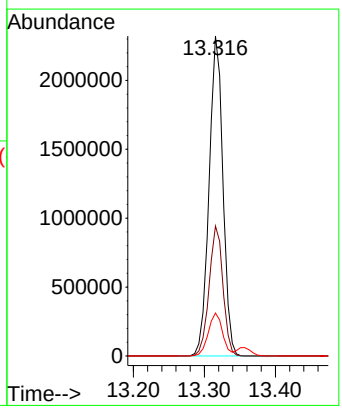
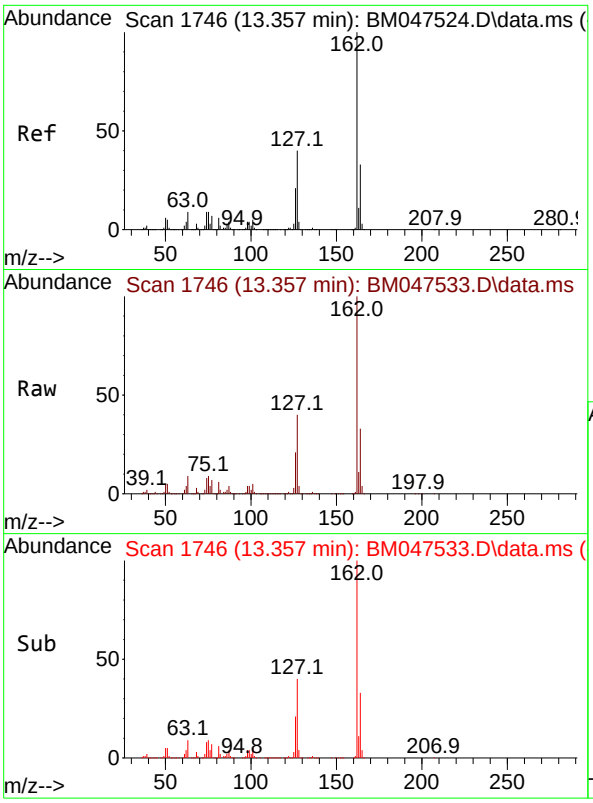


#46
1,1'-Biphenyl
Concen: 39.946 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:154 Resp: 3142735

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.4	0.0	33.9

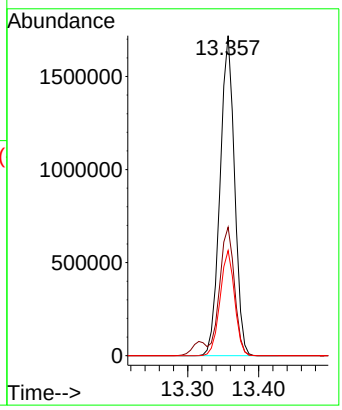




#47
2-Chloronaphthalene
Concen: 39.790 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:162 Resp: 243073

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.4
164	32.9	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
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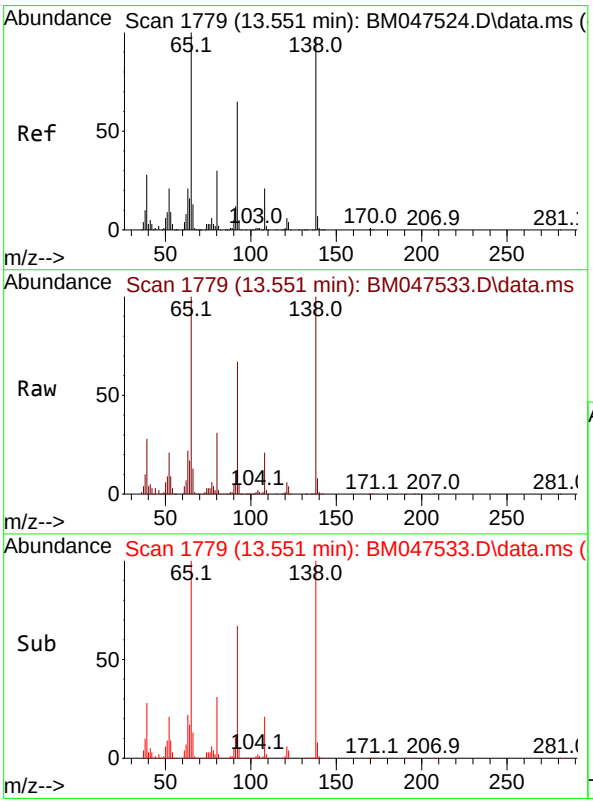
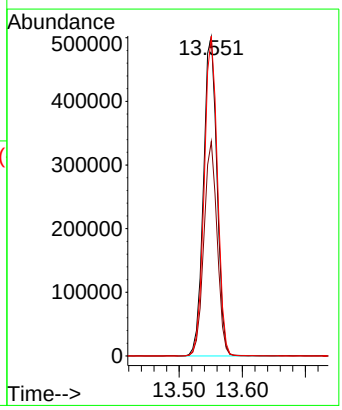
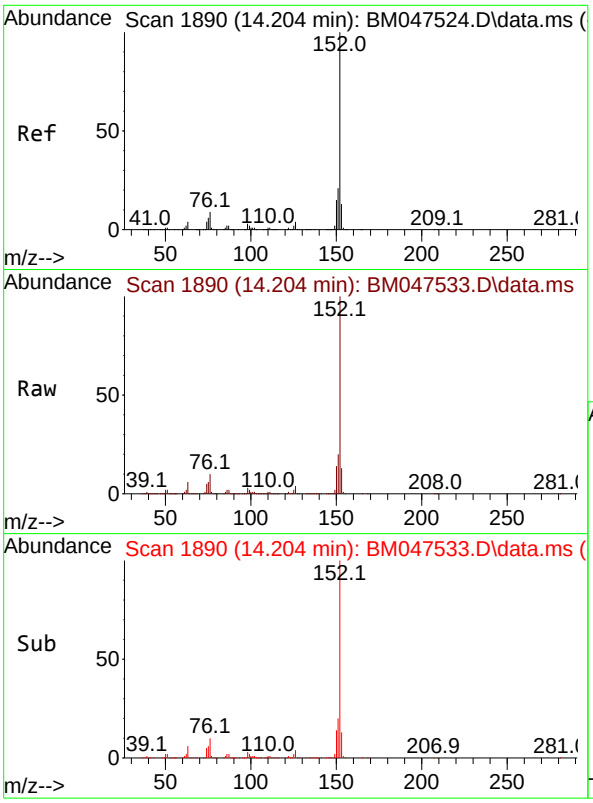


#48
2-Nitroaniline
Concen: 41.494 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 65 Resp: 744520

Ion	Ratio	Lower	Upper
65	100		
92	67.2	51.9	77.9
138	100.3	78.5	117.7

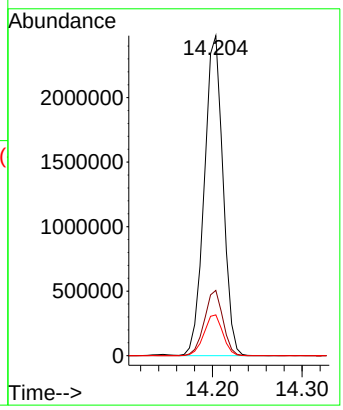




#49
Acenaphthylene
Concen: 40.604 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:152 Resp: 357942

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7
153	12.8	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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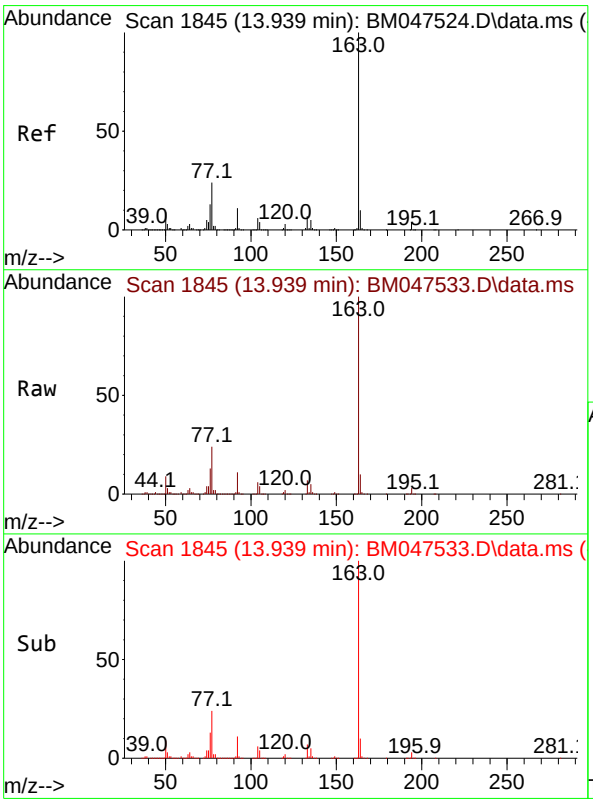
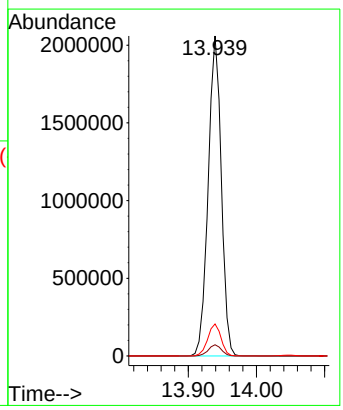
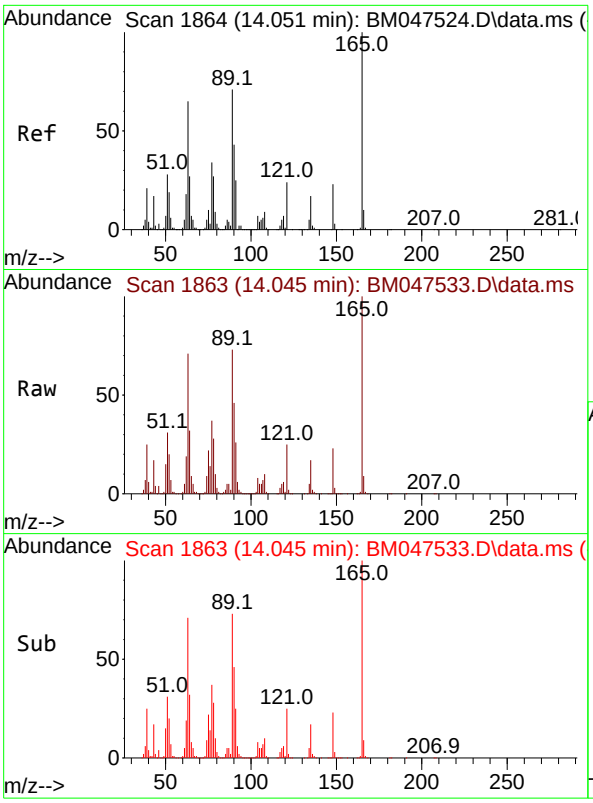


#50
Dimethylphthalate
Concen: 39.962 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:163 Resp: 2754152

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	10.0	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 41.552 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:165 Resp: 60454

Ion	Ratio	Lower	Upper
165	100		
63	71.4	54.2	81.2
89	72.8	56.4	84.6

Instrument :
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ClientSampleId :
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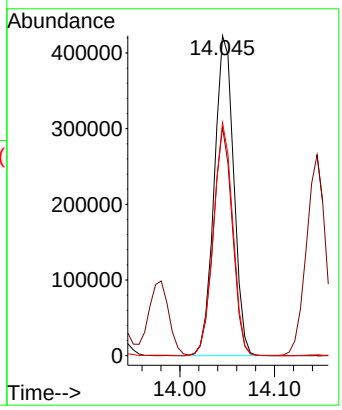
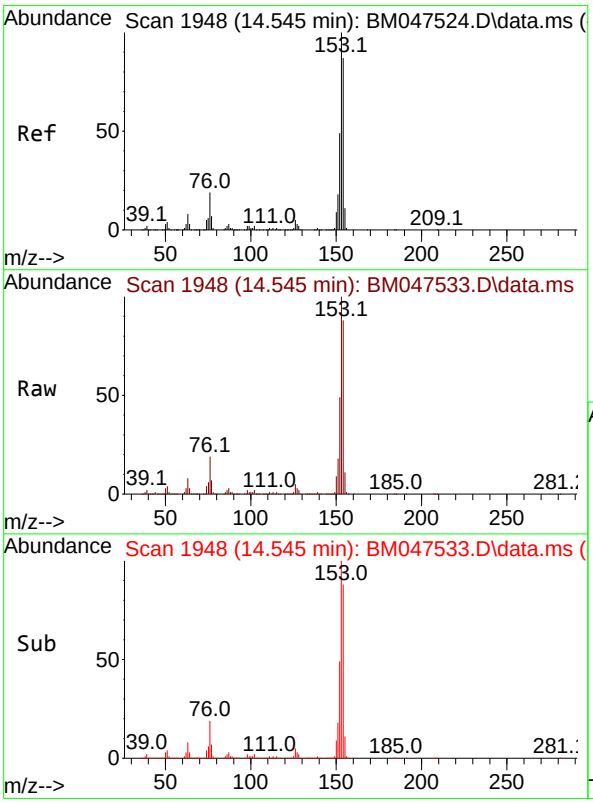
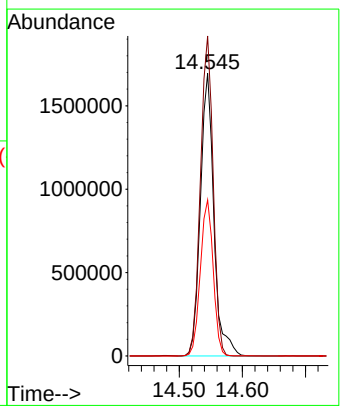


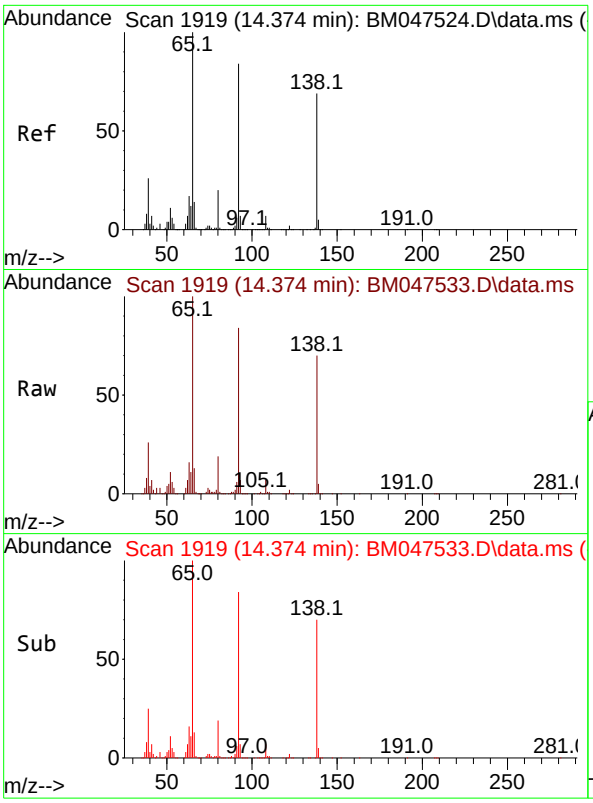


#52
Acenaphthene
Concen: 40.594 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:154 Resp: 2507411

Ion	Ratio	Lower	Upper
154	100		
153	113.3	92.2	138.2
152	55.2	45.4	68.0

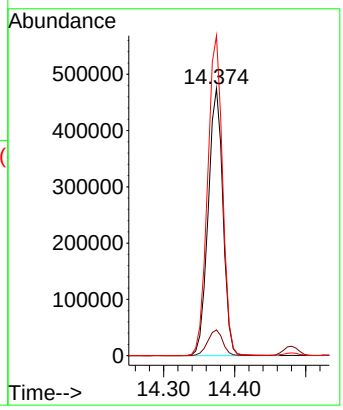




#53
3-Nitroaniline
Concen: 42.399 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:138 Resp: 68565

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.0	12.0
92	119.7	97.4	146.0



Instrument :
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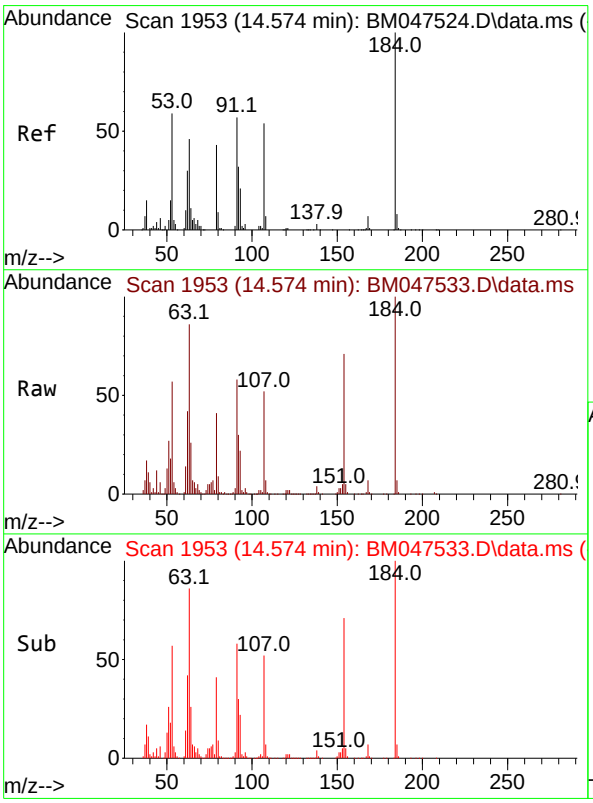
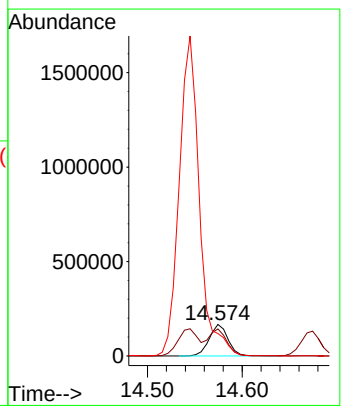
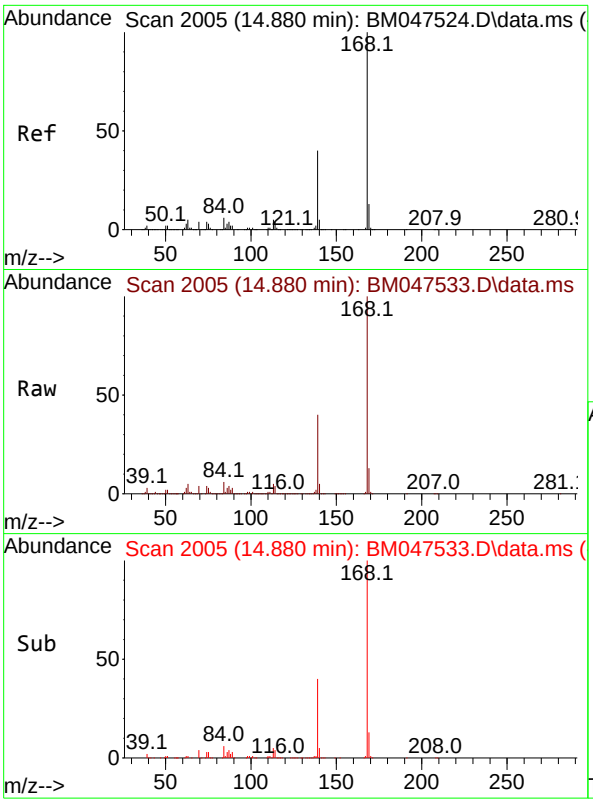


#54
2,4-Dinitrophenol
Concen: 36.995 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:184 Resp: 229497

Ion	Ratio	Lower	Upper
184	100		
63	85.8	69.4	104.0
154	71.4	60.4	90.6

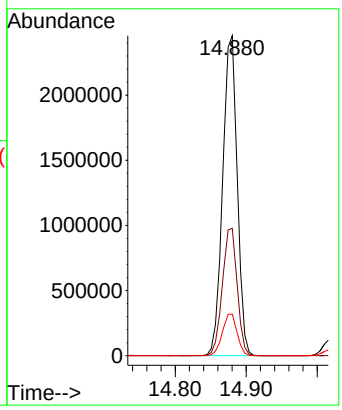




#55
Dibenzofuran
Concen: 40.086 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:168 Resp: 347938

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.9	47.9
169	13.0	10.5	15.7



Instrument :
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ClientSampleId :
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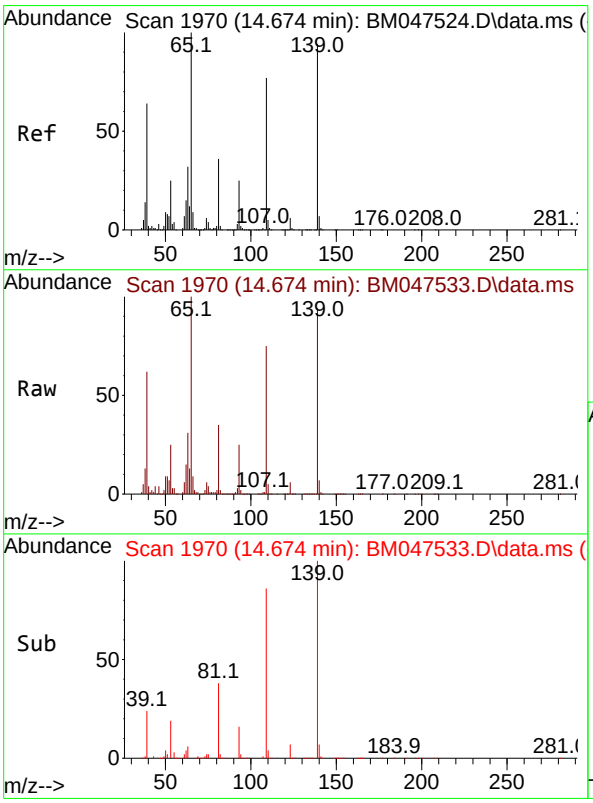
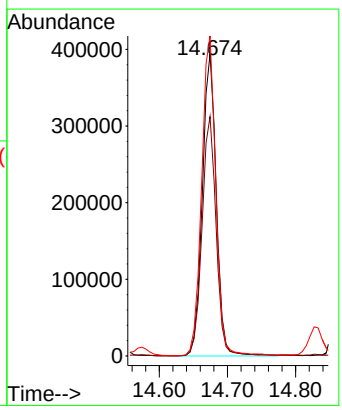
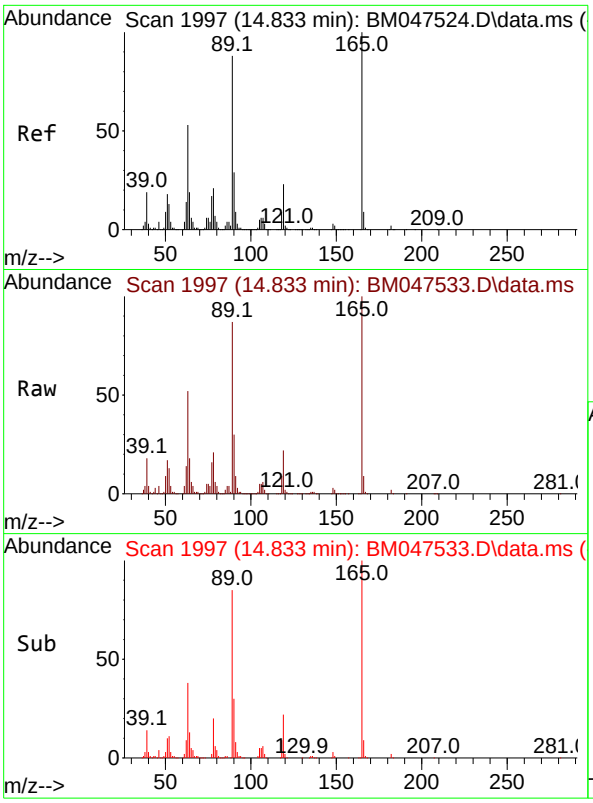


#56
4-Nitrophenol
Concen: 42.277 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:139 Resp: 562593

Ion	Ratio	Lower	Upper
139	100		
109	79.2	62.0	102.0
65	105.9	87.0	127.0

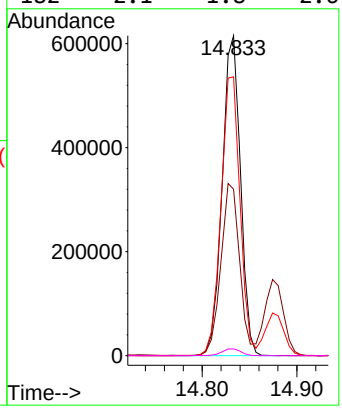




#57
2,4-Dinitrotoluene
Concen: 42.670 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:165 Resp: 82796

Ion	Ratio	Lower	Upper
165	100		
63	52.0	42.4	63.6
89	87.2	70.5	105.7
182	2.1	1.8	2.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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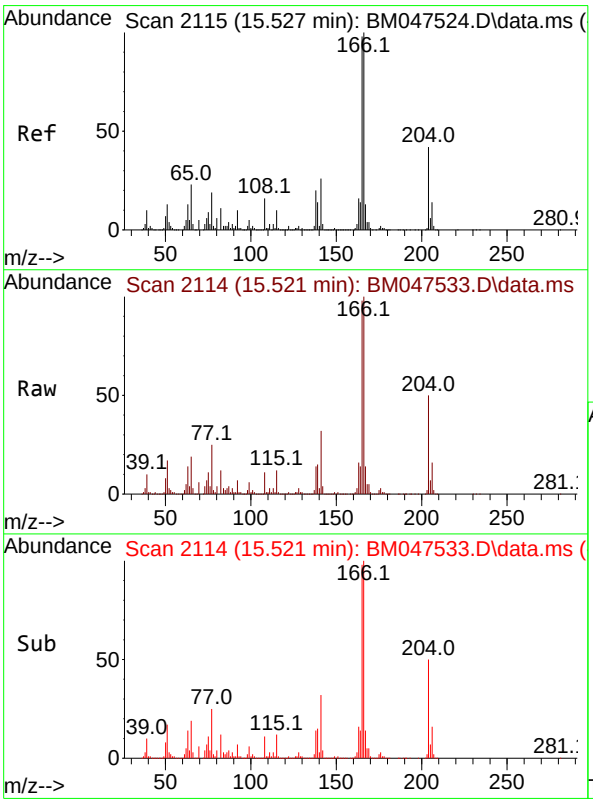
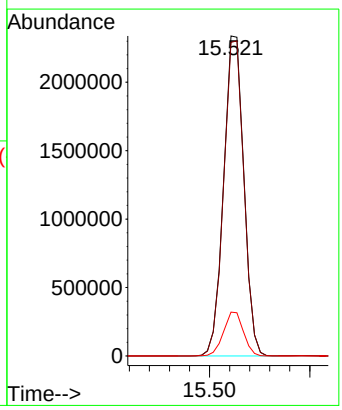
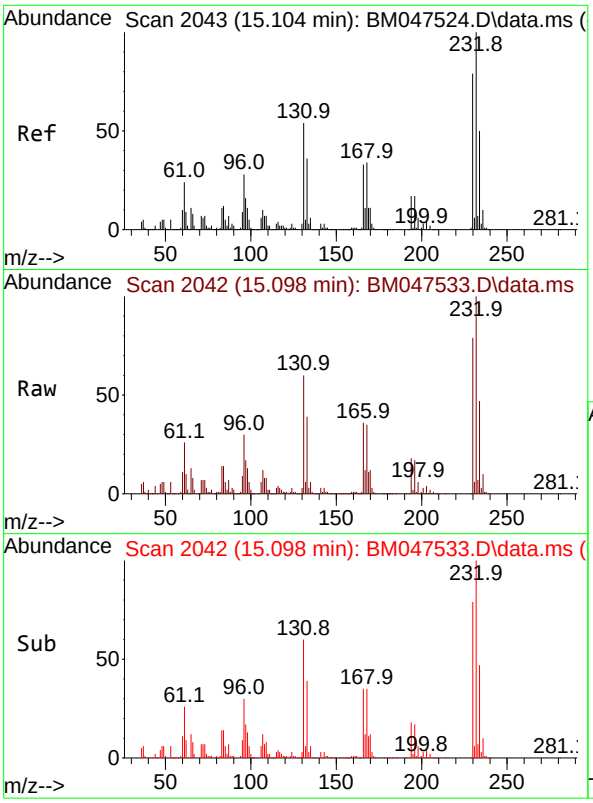


#58
Fluorene
Concen: 41.789 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:166 Resp: 3265674

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.6	117.8
167	13.7	10.7	16.1

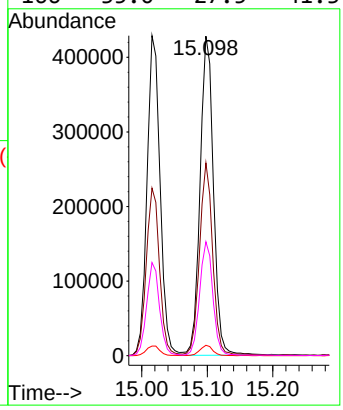




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.362 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:232 Resp: 60929

Ion	Ratio	Lower	Upper
232	100		
131	59.2	47.0	70.4
130	3.2	2.6	3.8
166	35.0	27.5	41.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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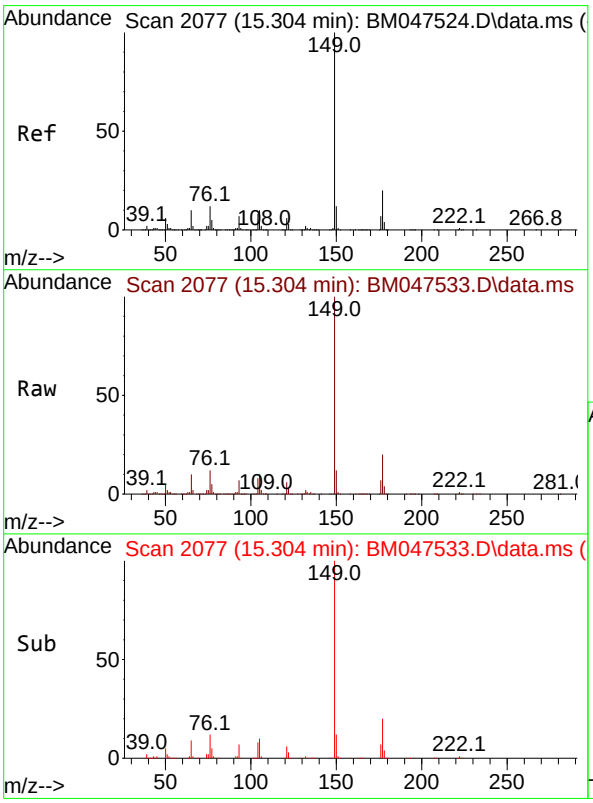
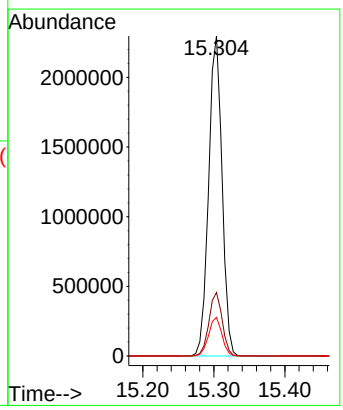
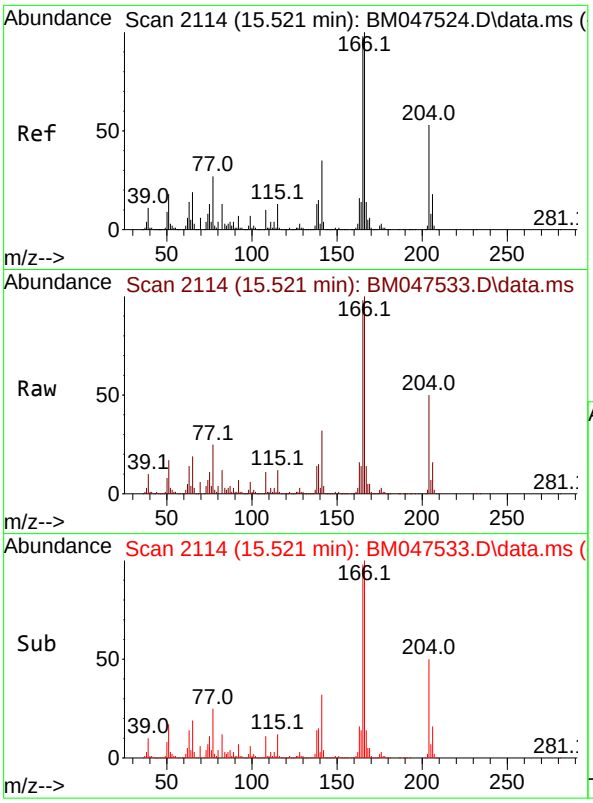


#60
Diethylphthalate
Concen: 41.046 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:149 Resp: 3010648

Ion	Ratio	Lower	Upper
149	100		
177	19.9	15.8	23.8
150	12.0	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 41.102 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 146862

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	64.4	52.1	78.1

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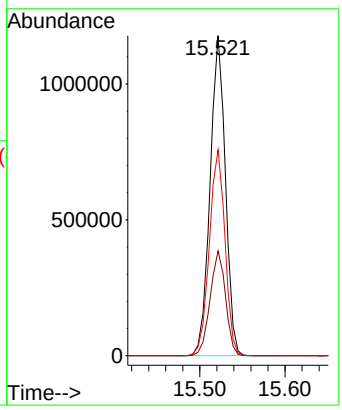
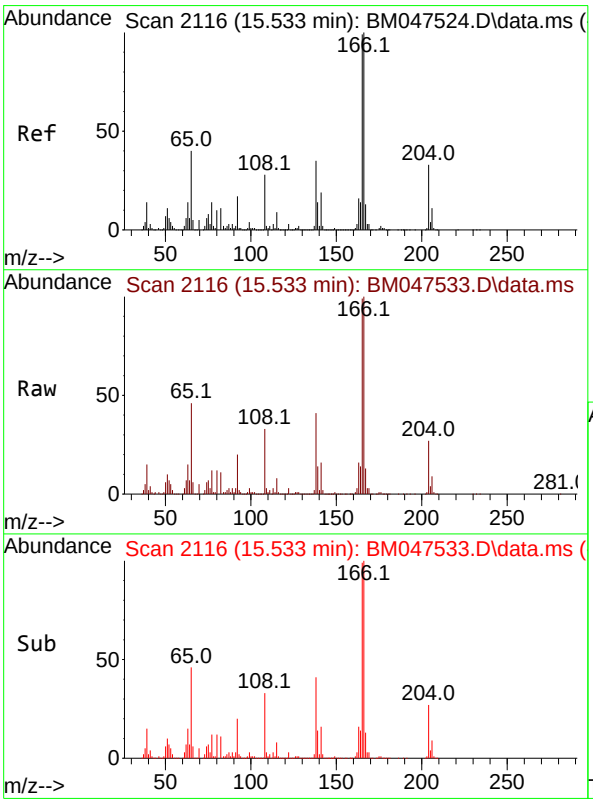
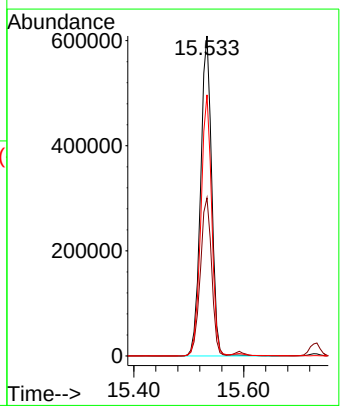


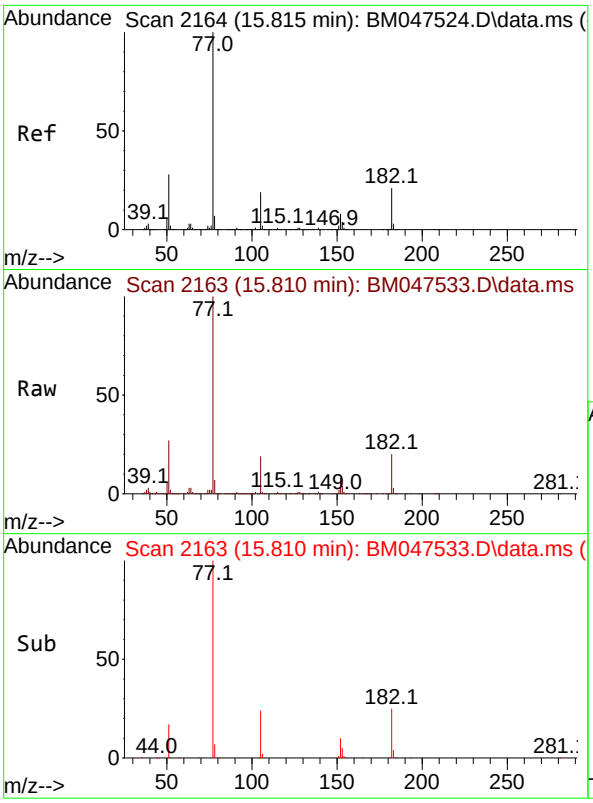


#62
4-Nitroaniline
Concen: 44.755 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:138 Resp: 850755

Ion	Ratio	Lower	Upper
138	100		
92	49.4	30.0	70.0
108	81.6	61.7	101.7

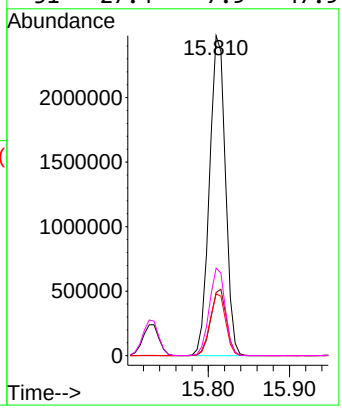




#63
Azobenzene
Concen: 41.753 ng
RT: 15.810 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 77 Resp: 337212

Ion	Ratio	Lower	Upper
77	100		
182	19.7	1.2	41.2
105	19.3	0.0	39.4
51	27.4	7.9	47.9



Instrument :
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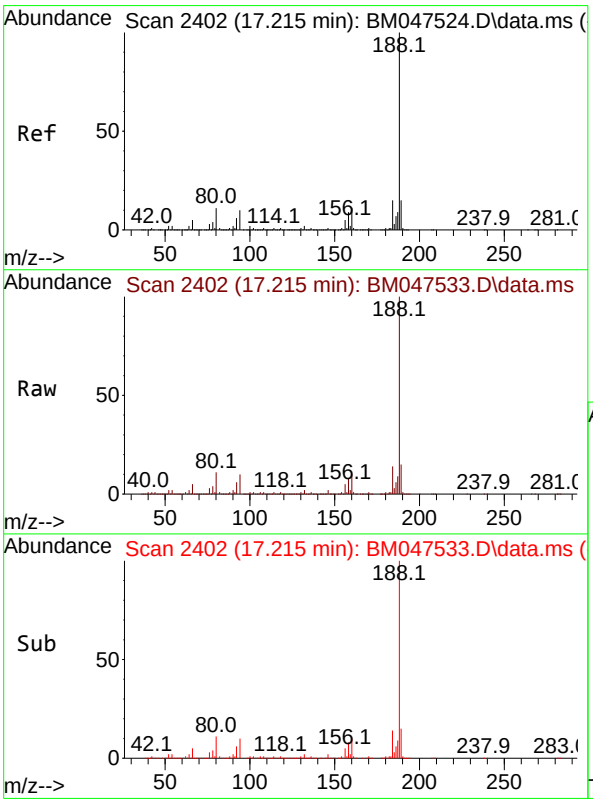
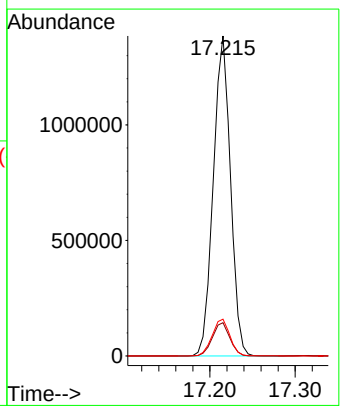
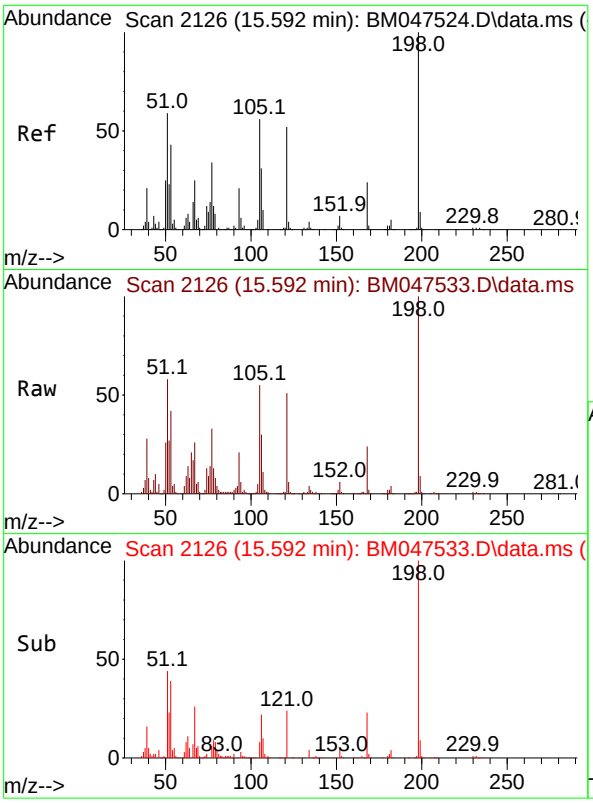


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:188 Resp: 1938186

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.4	12.6
80	11.5	9.1	13.7

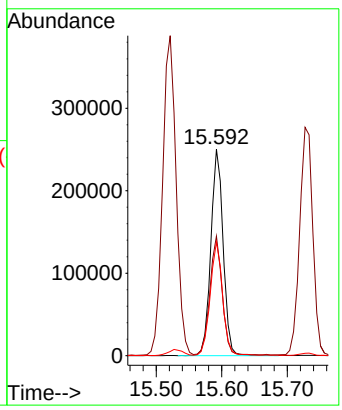




#65
4,6-Dinitro-2-methylphenol
Concen: 35.256 ng
RT: 15.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:198 Resp: 32594

Ion	Ratio	Lower	Upper
198	100		
51	57.9	41.5	81.5
105	55.1	36.4	76.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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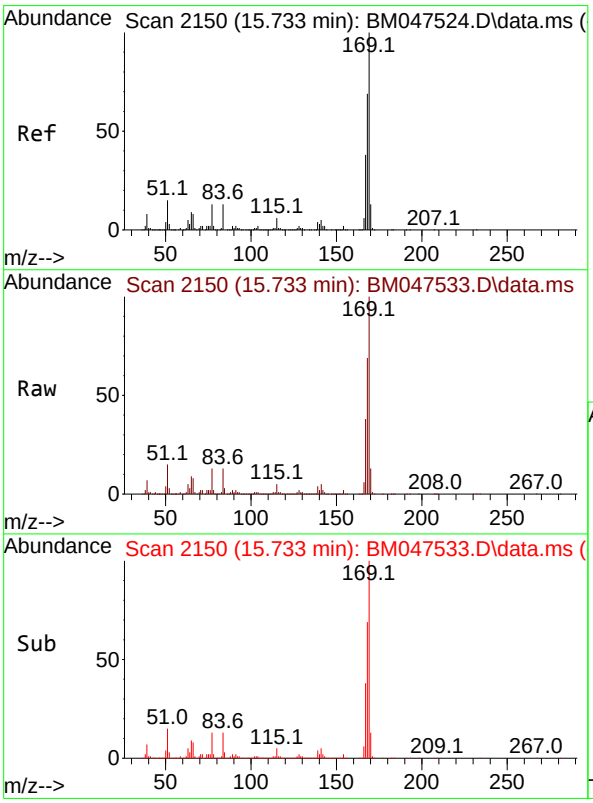
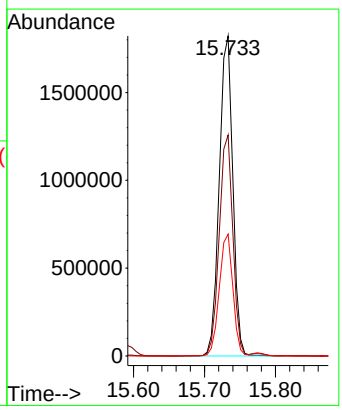
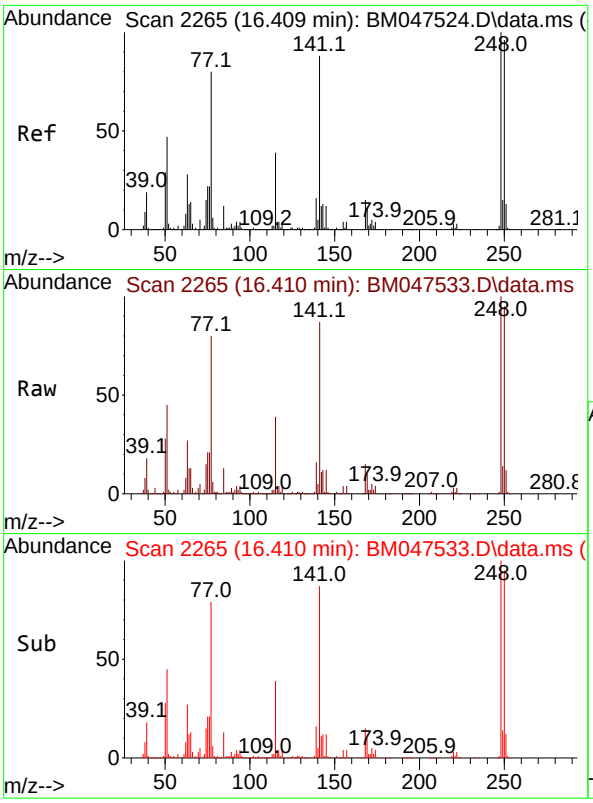


#66
n-Nitrosodiphenylamine
Concen: 40.470 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:169 Resp: 2399617

Ion	Ratio	Lower	Upper
169	100		
168	69.0	55.3	82.9
167	38.1	30.5	45.7

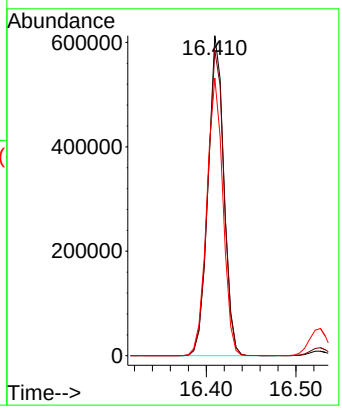




#67
4-Bromophenyl-phenylether
Concen: 40.024 ng
RT: 16.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:248 Resp: 75376

Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.9	115.3
141	86.8	70.8	106.2



Instrument :
BNA_M
ClientSampleId :
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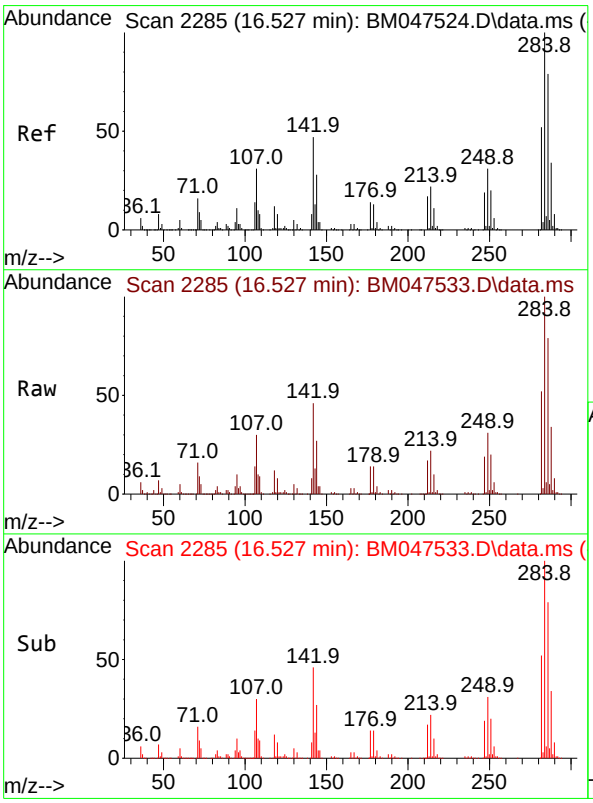
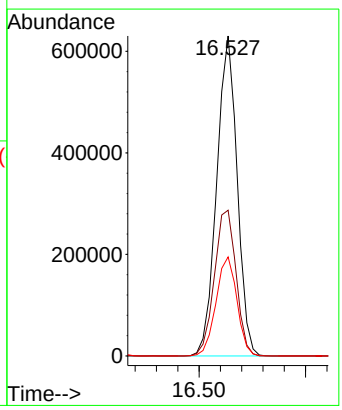
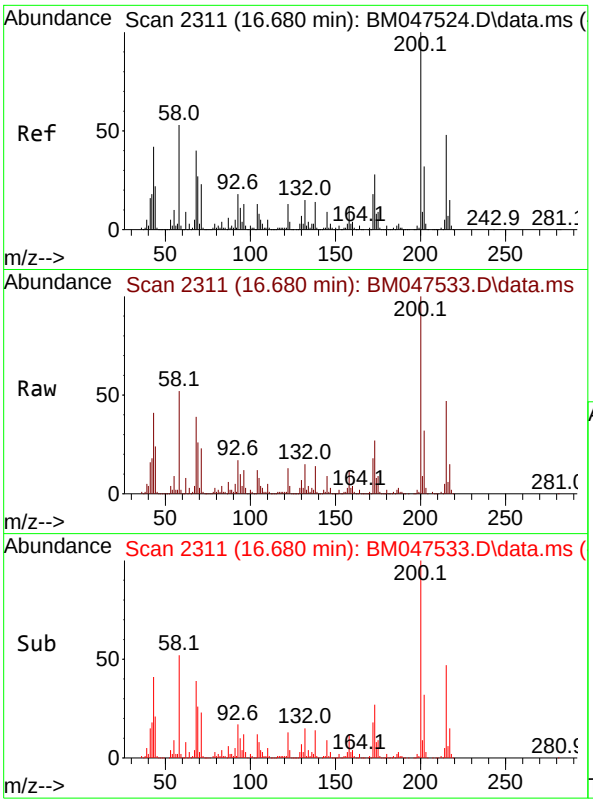


#68
Hexachlorobenzene
Concen: 39.328 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:284 Resp: 839063

Ion	Ratio	Lower	Upper
284	100		
142	45.5	37.3	55.9
249	30.9	24.5	36.7

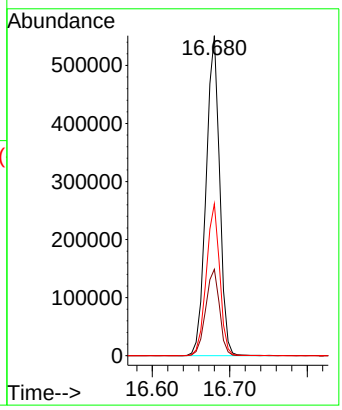




#69
Atrazine
Concen: 40.736 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:200 Resp: 66758

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.7	47.7
215	47.5	27.9	67.9



Instrument :
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ClientSampleId :
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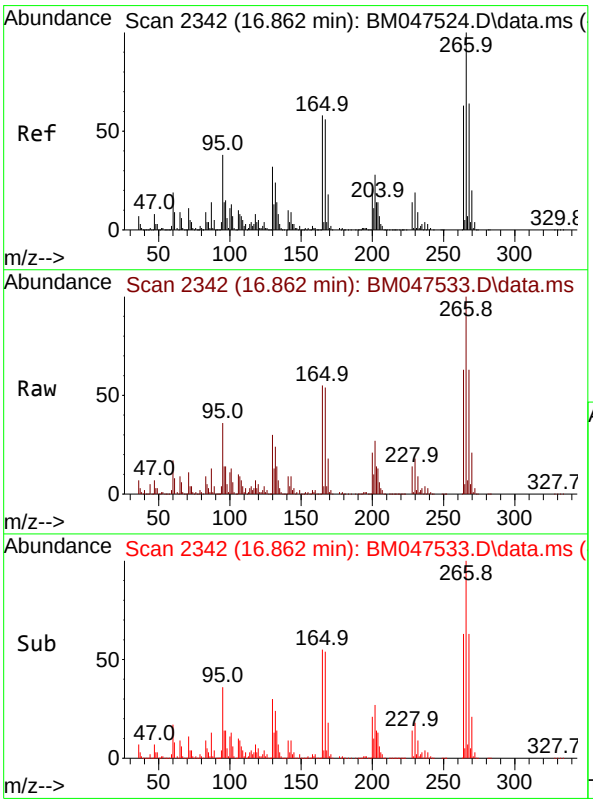
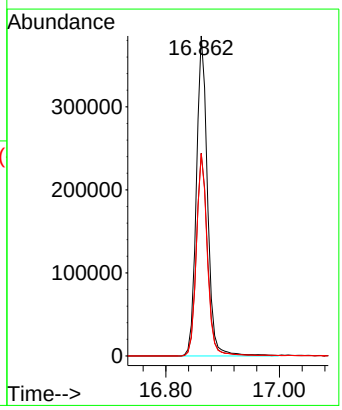
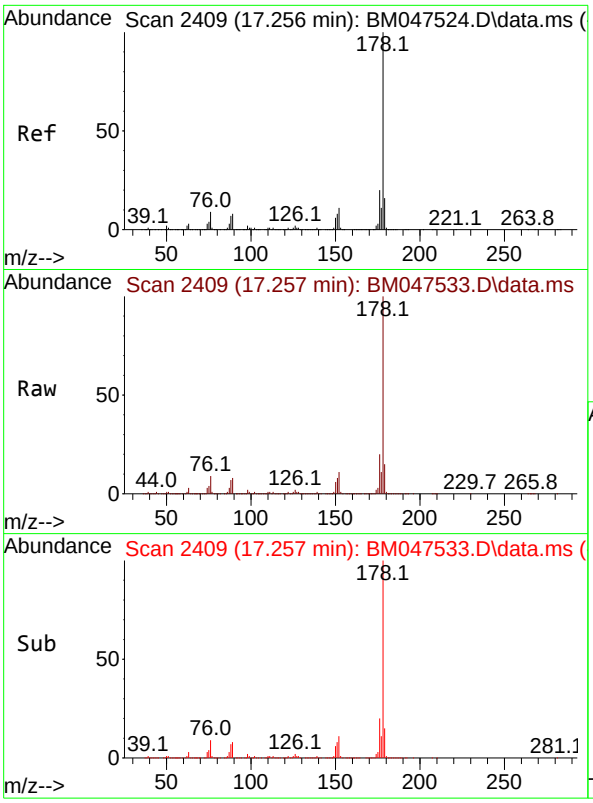


#70
Pentachlorophenol
Concen: 42.539 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:266 Resp: 526090

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.0	76.4
264	63.2	50.4	75.6

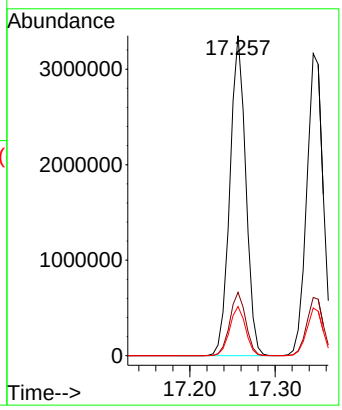




#71
Phenanthrene
Concen: 40.604 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:178 Resp: 433701

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	15.3	12.4	18.6



Instrument :
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ClientSampleId :
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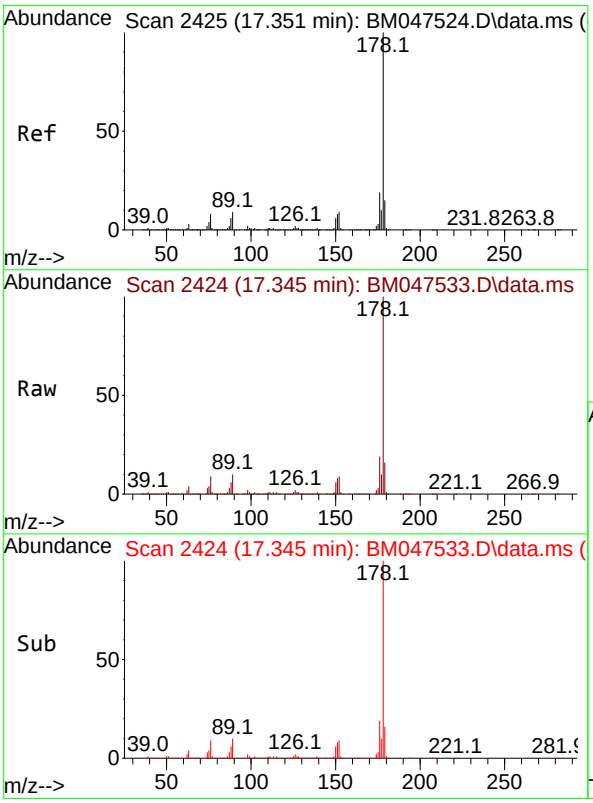
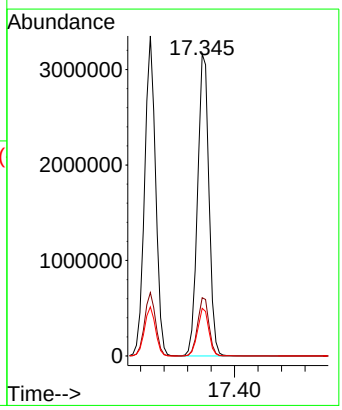
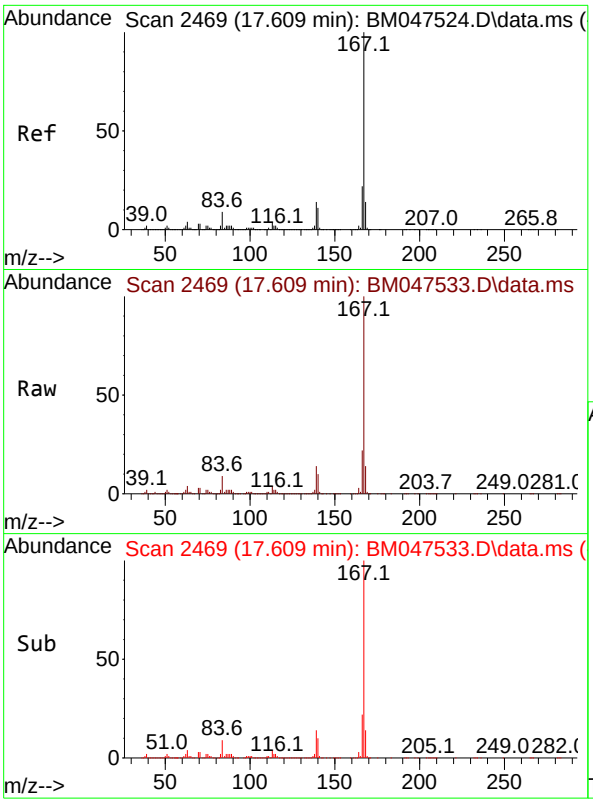


#72
Anthracene
Concen: 41.313 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:178 Resp: 4239587

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.8	12.3	18.5





#73
Carbazole
Concen: 41.705 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:167 Resp: 424142

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.8	26.8
139	14.0	11.0	16.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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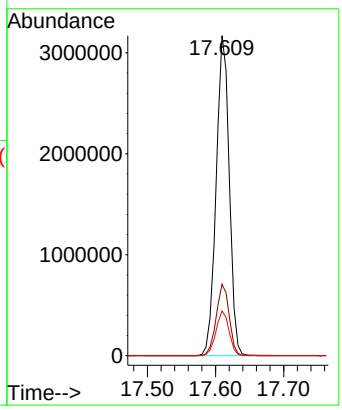
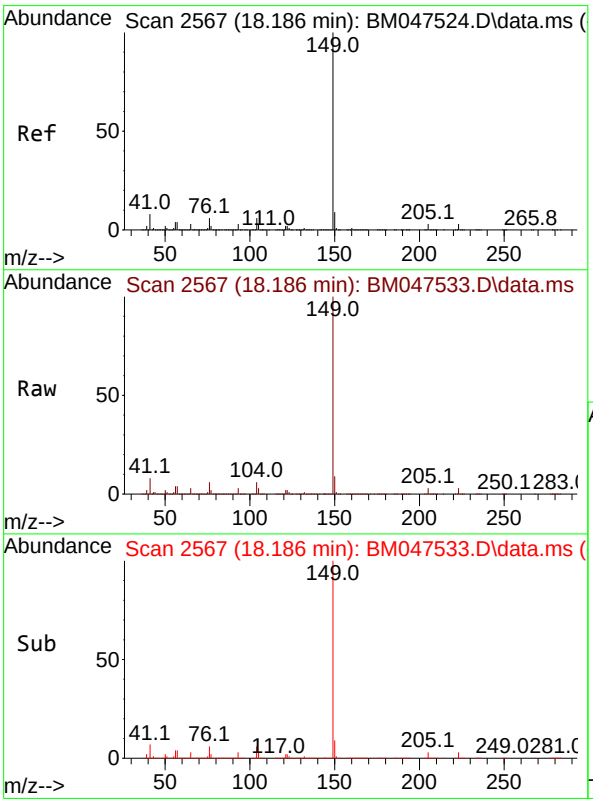
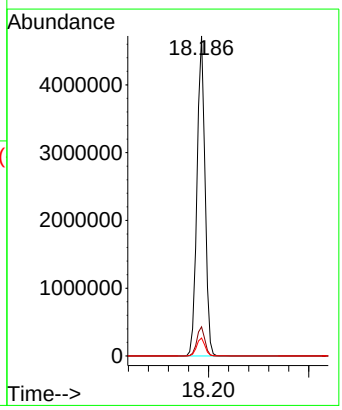


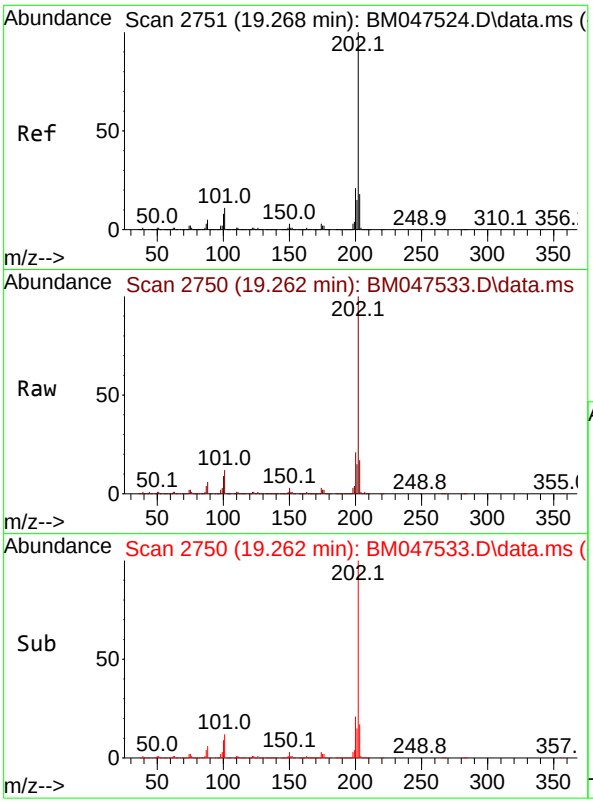


#74
Di-n-butylphthalate
Concen: 42.846 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:149 Resp: 5213752

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.6	4.6	6.8





#75
Fluoranthene
Concen: 42.745 ng
RT: 19.262 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:202 Resp: 498145

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.8
203	17.4	0.0	37.7

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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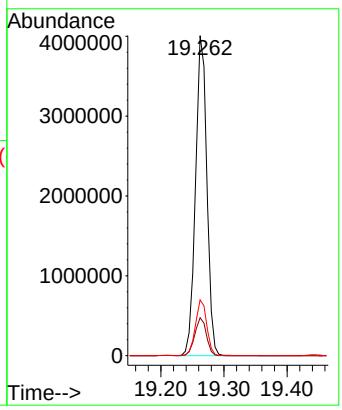
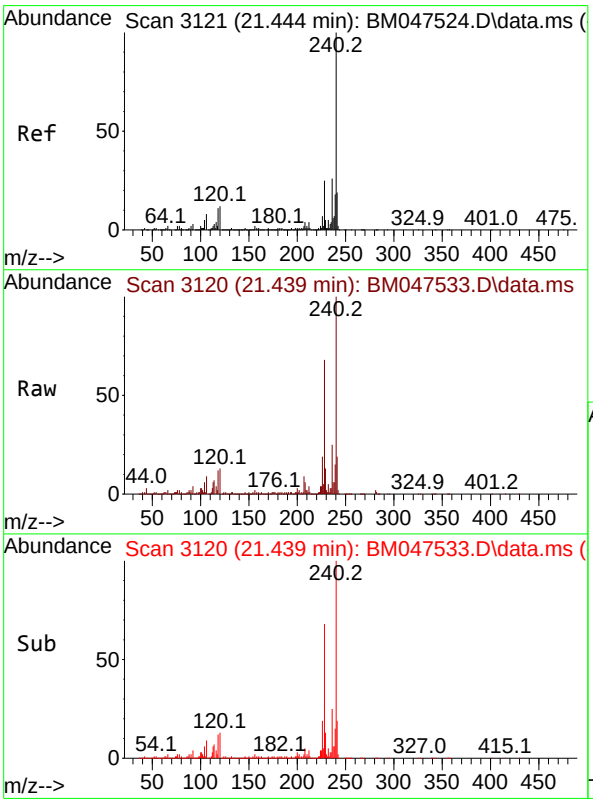
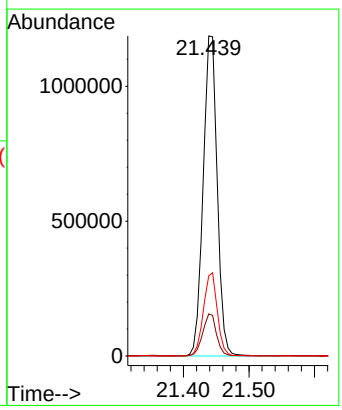


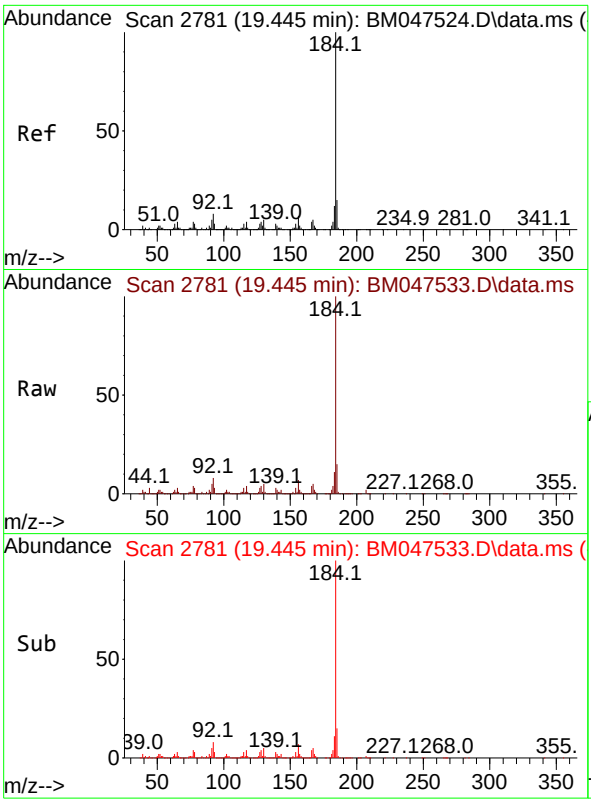


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:240 Resp: 1774639

Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.6	14.4
236	25.0	20.9	31.3

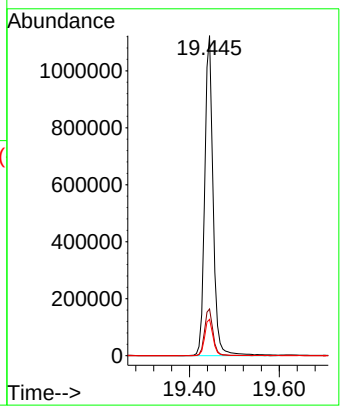




#77
Benzidine
Concen: 58.267 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:184 Resp: 145631

Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.2	18.2
183	11.3	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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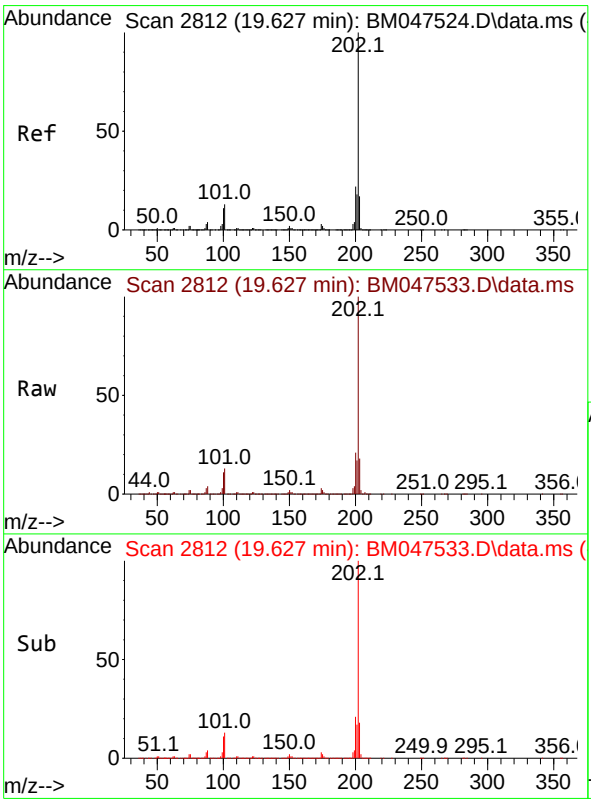
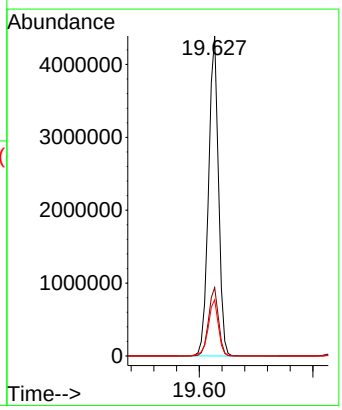
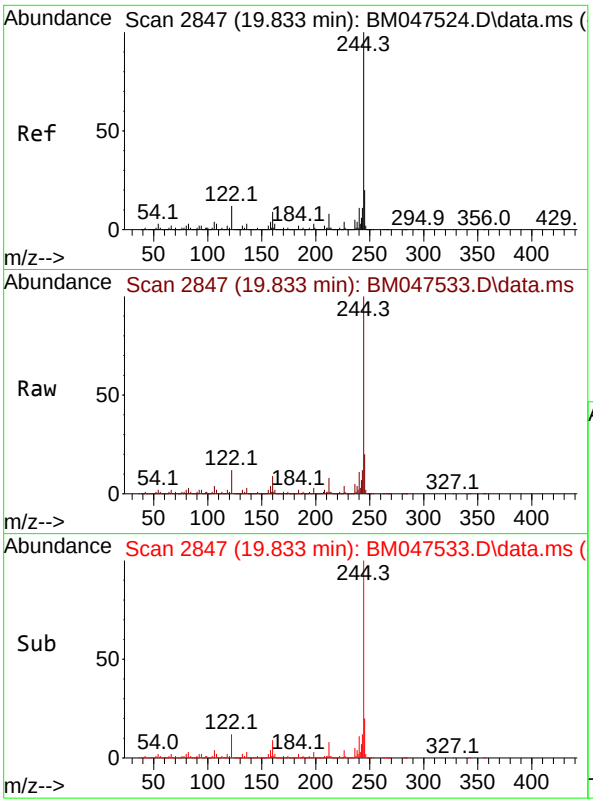


#78
Pyrene
Concen: 40.890 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:202 Resp: 5293066

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.5	14.0	21.0





#79
Terphenyl-d14
Concen: 89.012 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:244 Resp: 881521

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	11.5	9.6	14.4

Instrument :
BNA_M
ClientSampleId :
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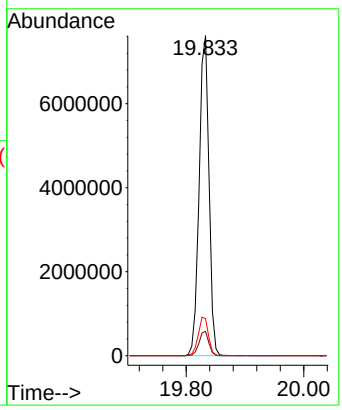
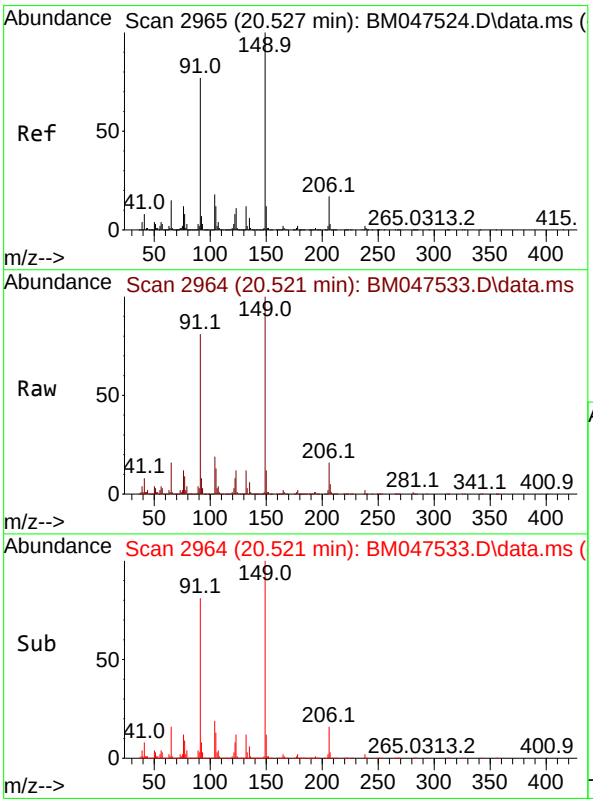
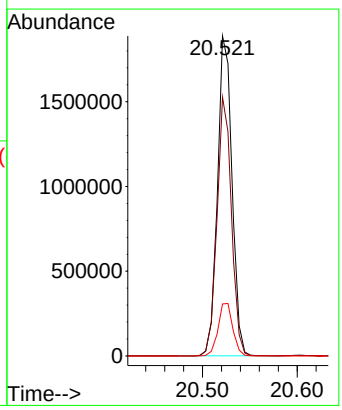


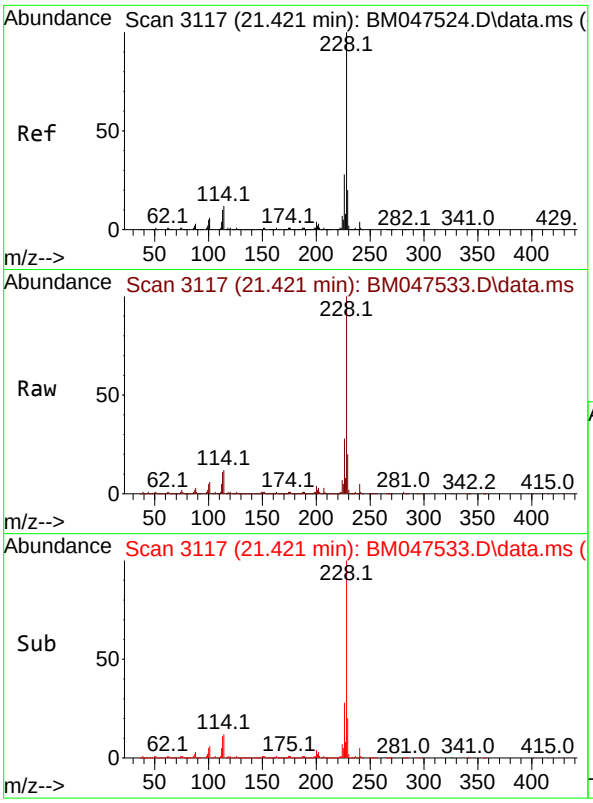


#80
Butylbenzylphthalate
Concen: 40.521 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:149 Resp: 2019210

Ion	Ratio	Lower	Upper
149	100		
91	80.9	62.0	93.0
206	16.2	13.8	20.8

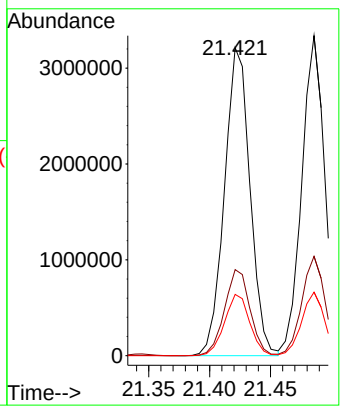




#81
Benzo(a)anthracene
Concen: 40.654 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:228 Resp: 470255

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	19.9	16.0	24.0



Instrument :
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ClientSampleId :
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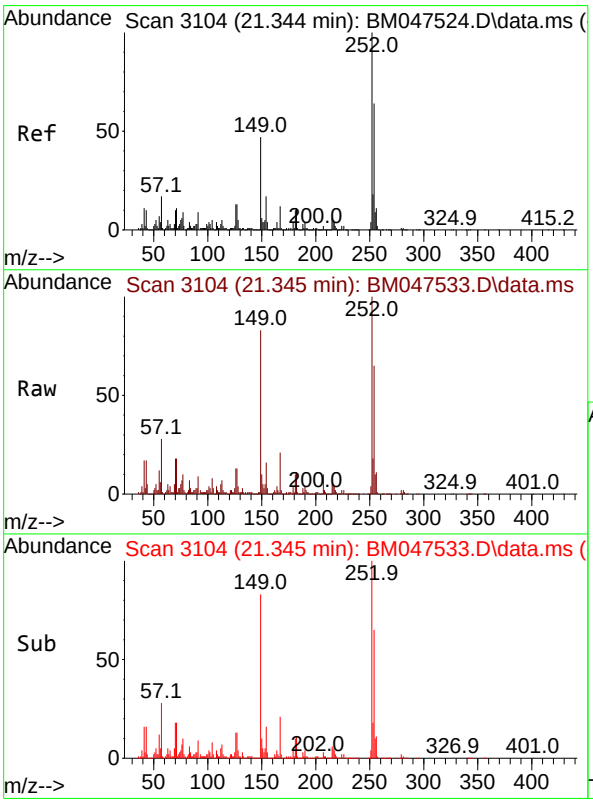
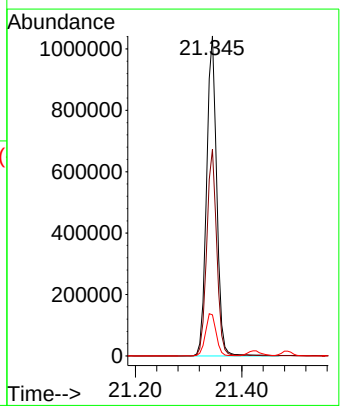
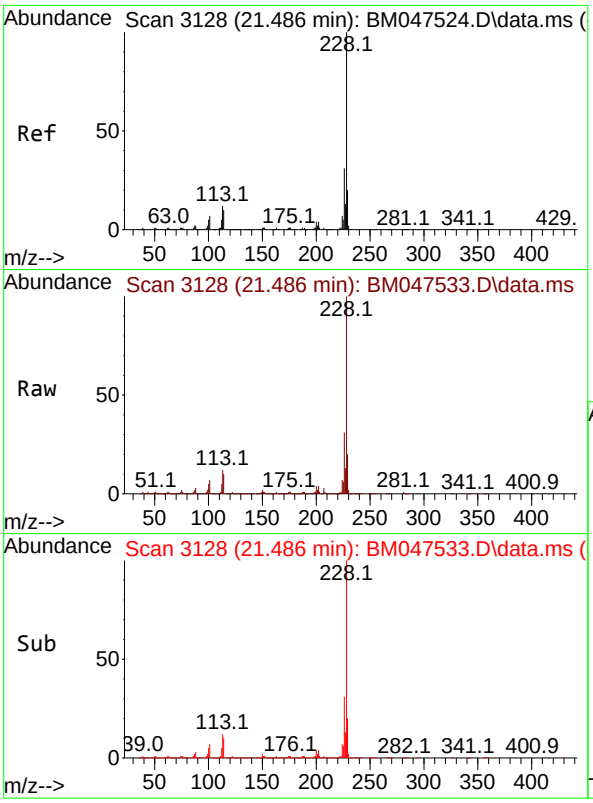


#82
3,3'-Dichlorobenzidine
Concen: 44.650 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:252 Resp: 1373888

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.5	77.3
126	12.9	10.3	15.5

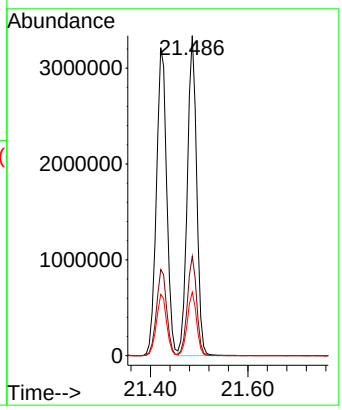




#83
Chrysene
Concen: 40.493 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:228 Resp: 443037

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	19.9	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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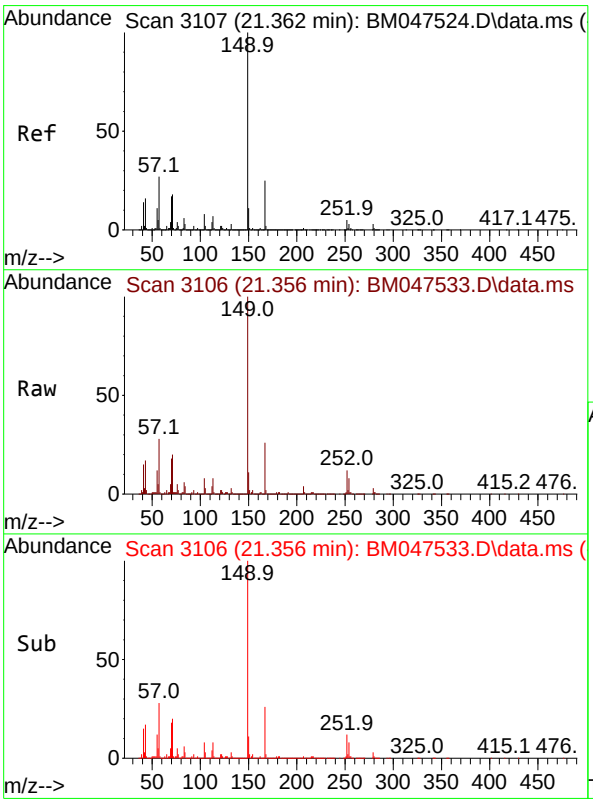
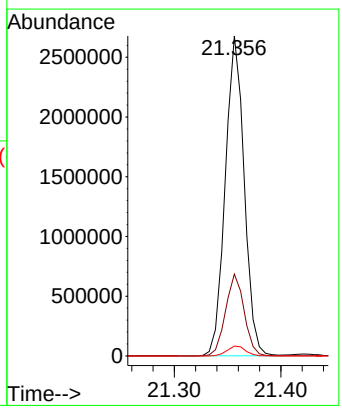
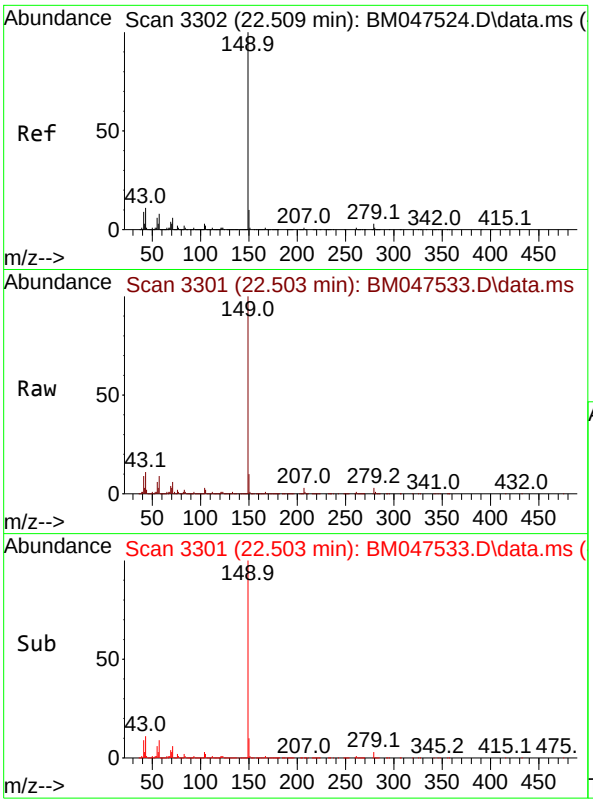


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.311 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:149 Resp: 3302911

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.2	30.4
279	3.1	2.6	4.0





#85
Di-n-octyl phthalate
Concen: 42.252 ng
RT: 22.503 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

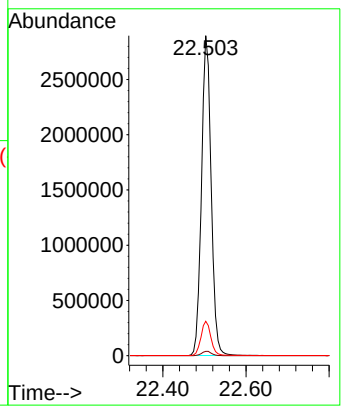
Tgt Ion:149 Resp: 466541

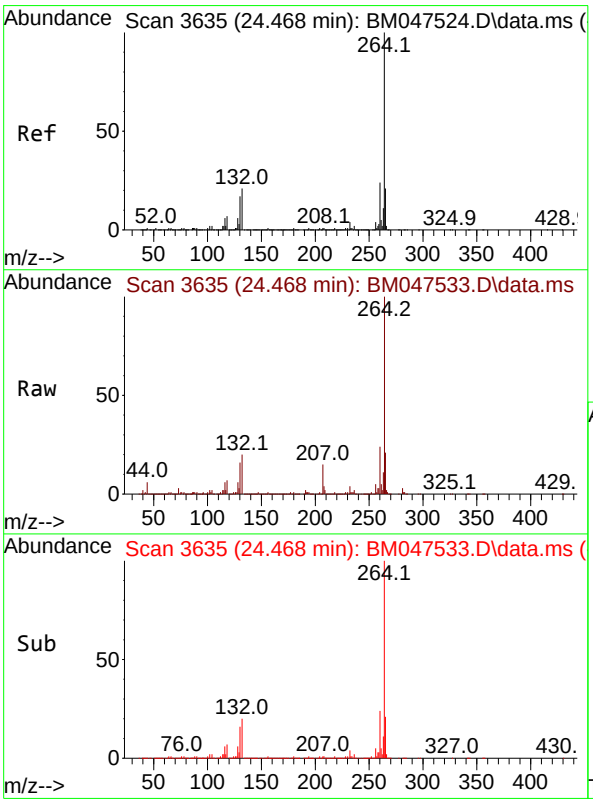
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.1	8.9	13.3

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

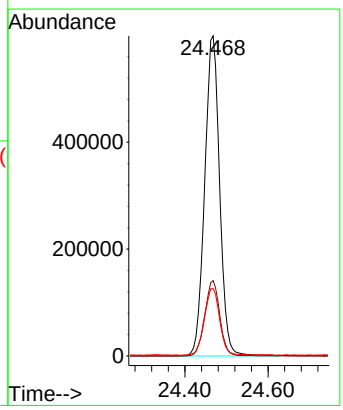


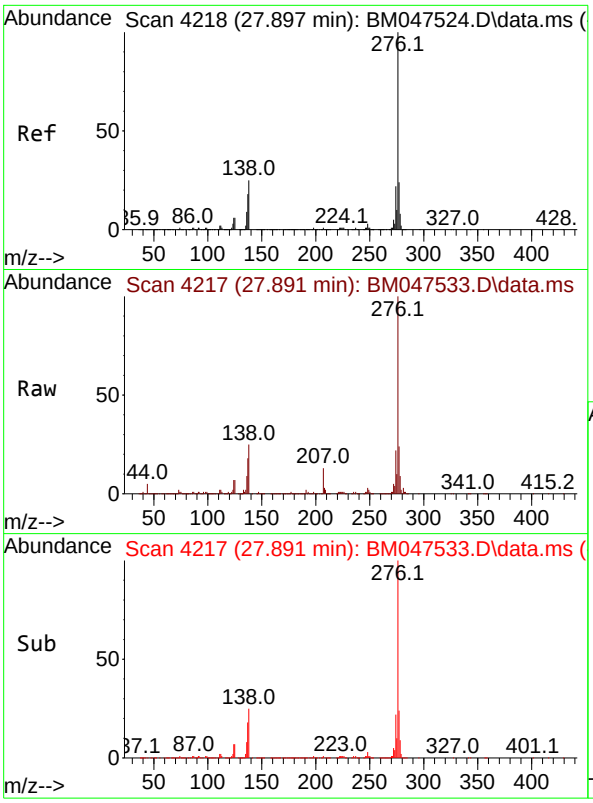


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:264 Resp: 1492872

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.1	17.4	26.2

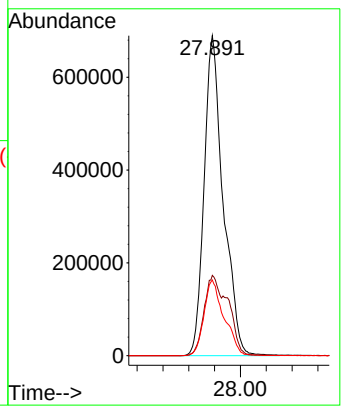




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.637 ng
RT: 27.891 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:276 Resp: 354121

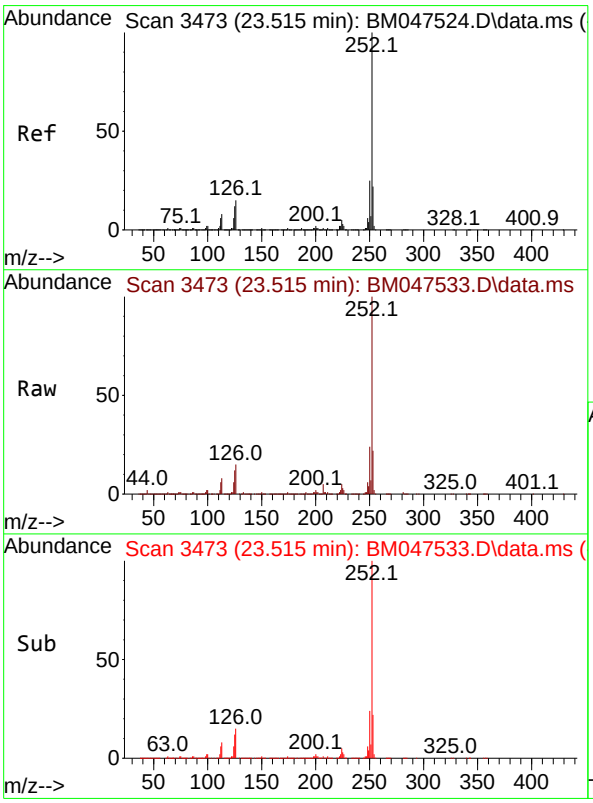
Ion	Ratio	Lower	Upper
276	100		
138	31.4	25.0	37.6
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

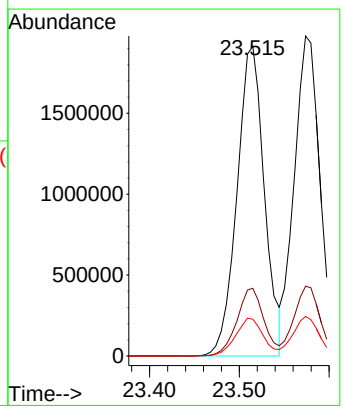
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

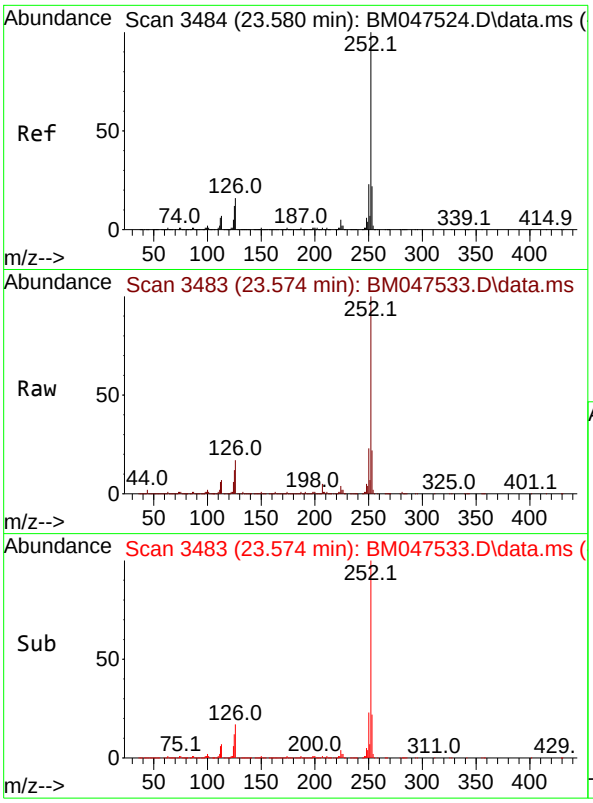


#88
Benzo(b)fluoranthene
Concen: 42.001 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:252 Resp: 4056932

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	11.9	9.5	14.3

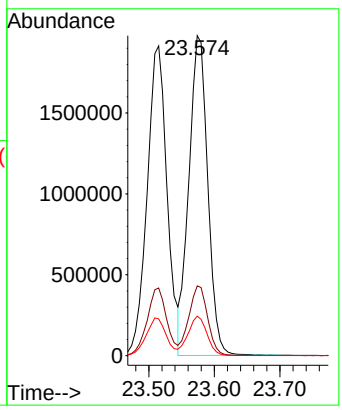




#89
Benzo(k)fluoranthene
Concen: 41.296 ng
RT: 23.574 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:252 Resp: 395323

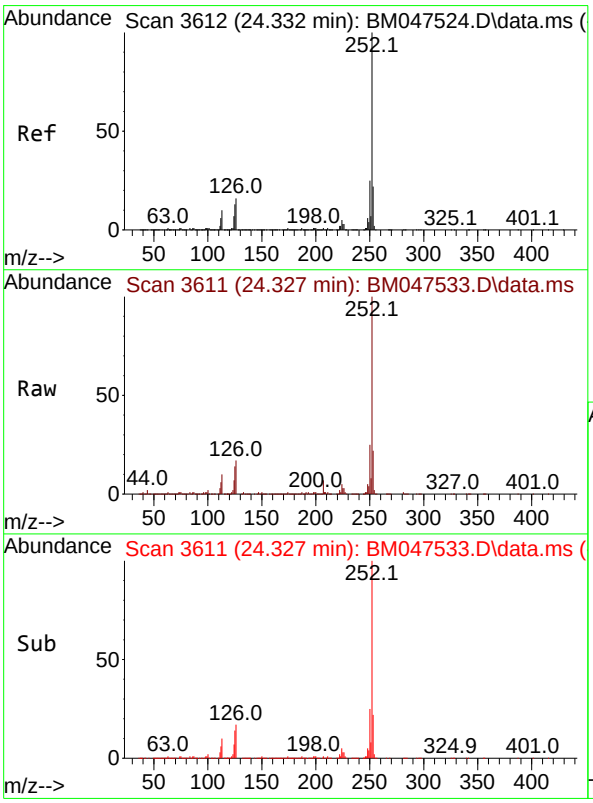
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	12.4	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

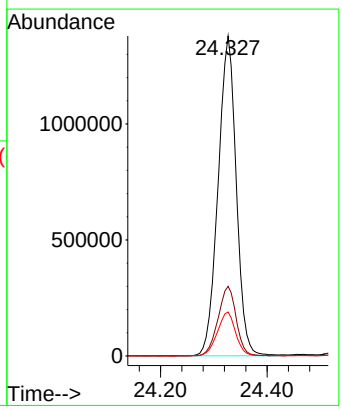
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

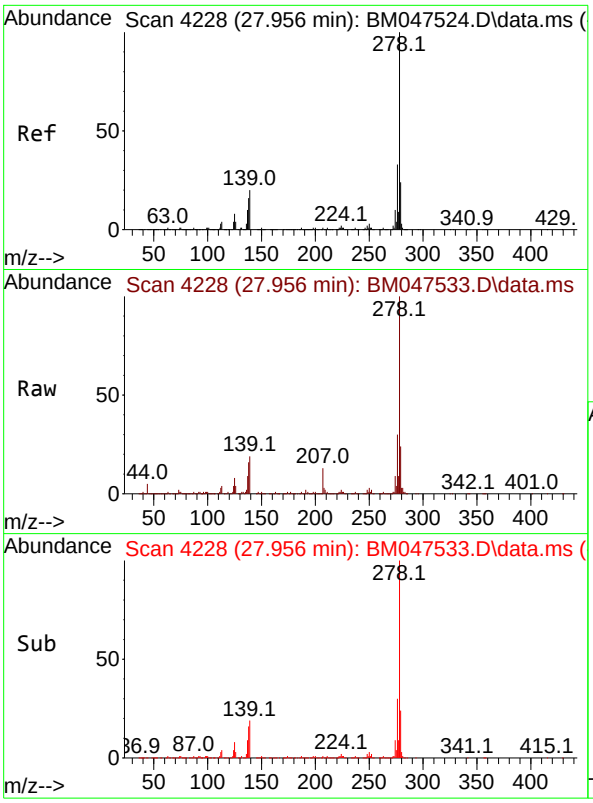


#90
Benzo(a)pyrene
Concen: 41.189 ng
RT: 24.327 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:252 Resp: 3260773

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	13.8	10.2	15.4

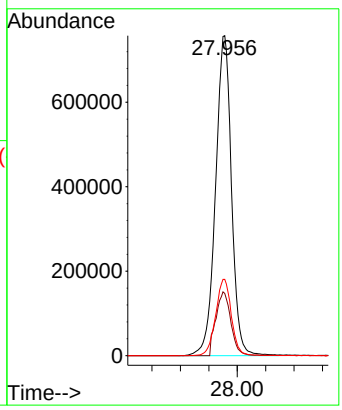




#91
Dibenzo(a,h)anthracene
Concen: 39.299 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:278 Resp: 295396

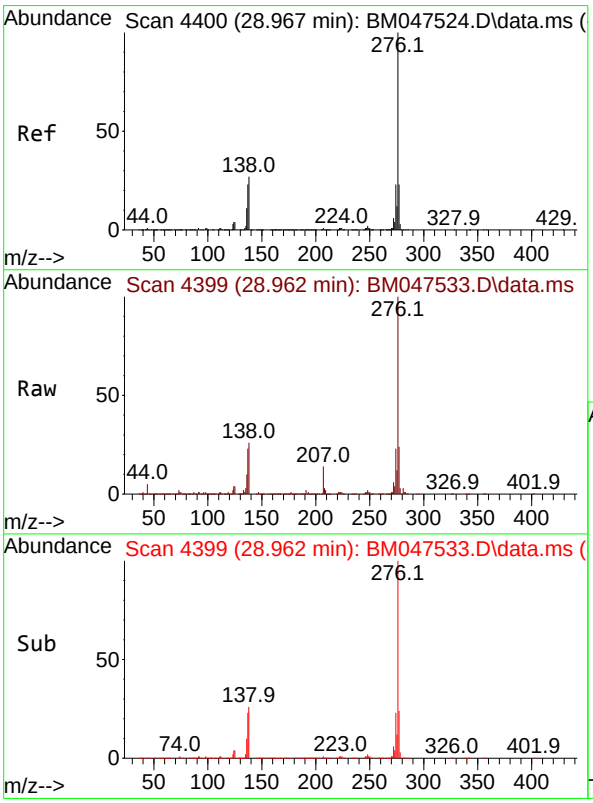
Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.9	23.9
279	23.9	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

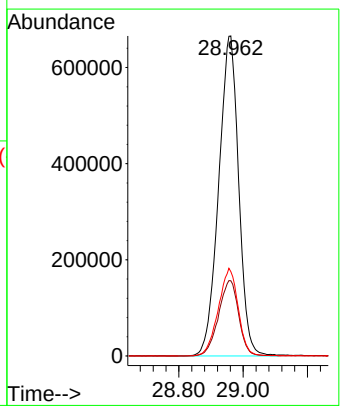
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#92
Benzo(g,h,i)perylene
Concen: 39.113 ng
RT: 28.962 min Scan# 4399
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:276 Resp: 2871861

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	26.4	21.5	32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	108	0.00
2		1,4-Dioxane	0.538	0.542	-0.7	112	0.00
3		Pyridine	1.601	1.621	-1.2	110	0.00
4		n-Nitrosodimethylamine	0.727	0.721	0.8	106	0.00
5	S	2-Fluorophenol	1.256	1.252	0.3	108	0.00
6		Aniline	1.568	1.589	-1.3	108	0.00
7	S	Phenol-d6	1.769	1.794	-1.4	107	0.00
8		2-Chlorophenol	1.385	1.377	0.6	106	0.00
9		Benzaldehyde	0.841	0.790	6.1	101	0.00
10	C	Phenol	1.771	1.785	-0.8	108	0.00
11		bis(2-Chloroethyl)ether	1.422	1.438	-1.1	109	0.00
12		1,3-Dichlorobenzene	1.516	1.490	1.7	107	0.00
13	C	1,4-Dichlorobenzene	1.544	1.514	1.9	107	0.00
14		1,2-Dichlorobenzene	1.519	1.494	1.6	107	0.00
15		Benzyl Alcohol	1.198	1.201	-0.3	105	0.00
16		2,2'-oxybis(1-Chloropropane	2.000	1.992	0.4	107	0.00
17		2-Methylphenol	1.132	1.140	-0.7	106	0.00
18		Hexachloroethane	0.617	0.600	2.8	105	0.00
19	P	n-Nitroso-di-n-propylamine	1.193	1.237	-3.7	107	0.00
20		3+4-Methylphenols	1.579	1.577	0.1	105	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.526	0.524	0.4	105	0.00
23	S	Nitrobenzene-d5	0.400	0.405	-1.3	106	0.00
24		Nitrobenzene	0.411	0.413	-0.5	106	0.00
25		Isophorone	0.703	0.714	-1.6	106	0.00
26	C	2-Nitrophenol	0.140	0.137	2.1	99	0.00
27		2,4-Dimethylphenol	0.212	0.209	1.4	105	0.00
28		bis(2-Chloroethoxy)methane	0.441	0.445	-0.9	107	0.00
29	C	2,4-Dichlorophenol	0.269	0.272	-1.1	105	0.00
30		1,2,4-Trichlorobenzene	0.309	0.303	1.9	106	0.00
31		Naphthalene	1.080	1.072	0.7	105	0.00
32		Benzoic acid	0.187	0.187	0.0	103	0.00
33		4-Chloroaniline	0.391	0.396	-1.3	107	0.00
34	C	Hexachlorobutadiene	0.171	0.165	3.5	103	0.00
35		Caprolactam	0.089	0.097	-9.0	110	0.00
36	C	4-Chloro-3-methylphenol	0.309	0.318	-2.9	106	0.00
37		2-Methylnaphthalene	0.719	0.723	-0.6	105	0.00
38		1-Methylnaphthalene	0.714	0.720	-0.8	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00
40		1,2,4,5-Tetrachlorobenzene	0.541	0.532	1.7	104	0.00
41	P	Hexachlorocyclopentadiene	0.177	0.169	4.5	99	0.00
42	S	2,4,6-Tribromophenol	0.193	0.197	-2.1	104	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.339	0.0	103	0.00
44		2,4,5-Trichlorophenol	0.383	0.385	-0.5	104	0.00
45	S	2-Fluorobiphenyl	1.452	1.482	-2.1	104	0.00
46		1,1'-Biphenyl	1.556	1.554	0.1	106	0.00
47		2-Chloronaphthalene	1.208	1.202	0.5	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	0.355	0.368	-3.7	105	0.00
49		Acenaphthylene	1.744	1.770	-1.5	106	0.00
50		Dimethylphthalate	1.363	1.362	0.1	106	0.00
51		2,6-Dinitrotoluene	0.288	0.299	-3.8	107	0.00
52	C	Acenaphthene	1.222	1.240	-1.5	106	0.00
53		3-Nitroaniline	0.320	0.339	-5.9	108	0.00
54	P	2,4-Dinitrophenol	0.125	0.113	9.6	95	0.00
55		Dibenzofuran	1.717	1.720	-0.2	106	0.00
56	P	4-Nitrophenol	0.263	0.278	-5.7	105	0.00
57		2,4-Dinitrotoluene	0.384	0.409	-6.5	107	0.00
58		Fluorene	1.546	1.615	-4.5	106	0.00
59		2,3,4,6-Tetrachlorophenol	0.299	0.301	-0.7	105	0.00
60		Diethylphthalate	1.451	1.489	-2.6	107	0.00
61		4-Chlorophenyl-phenylether	0.707	0.726	-2.7	104	0.00
62		4-Nitroaniline	0.376	0.421	-12.0	107	0.00
63		Azobenzene	1.597	1.667	-4.4	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.091	0.084	7.7	100	0.00
66	c	n-Nitrosodiphenylamine	0.612	0.619	-1.1	106	0.00
67		4-Bromophenyl-phenylether	0.194	0.194	0.0	107	0.00
68		Hexachlorobenzene	0.220	0.216	1.8	105	0.00
69		Atrazine	0.169	0.172	-1.8	105	0.00
70	C	Pentachlorophenol	0.128	0.136	-6.3	108	0.00
71		Phenanthrene	1.102	1.119	-1.5	107	0.00
72		Anthracene	1.059	1.094	-3.3	107	0.00
73		Carbazole	1.049	1.094	-4.3	109	0.00
74		Di-n-butylphthalate	1.256	1.345	-7.1	109	0.00
75	C	Fluoranthene	1.203	1.285	-6.8	108	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	109	0.00
77		Benzidine	0.282	0.410	-45.4#	176#	0.00
78		Pyrene	1.459	1.491	-2.2	109	0.00
79	S	Terphenyl-d14	1.116	1.242	-11.3	108	0.00
80		Butylbenzylphthalate	0.562	0.569	-1.2	105	0.00
81		Benzo(a)anthracene	1.304	1.325	-1.6	108	0.00
82		3,3'-Dichlorobenzidine	0.347	0.387	-11.5	117	0.00
83		Chrysene	1.233	1.248	-1.2	109	0.00
84		Bis(2-ethylhexyl)phthalate	0.880	0.931	-5.8	109	0.00
85	c	Di-n-octyl phthalate	1.244	1.314	-5.6	110	0.00
86	I	Perylene-d12	1.000	1.000	0.0	114	0.00
87		Indeno(1,2,3-cd)pyrene	1.197	1.186	0.9	114	0.00
88		Benzo(b)fluoranthene	1.294	1.359	-5.0	116	0.00
89		Benzo(k)fluoranthene	1.282	1.324	-3.3	111	0.00
90	C	Benzo(a)pyrene	1.061	1.092	-2.9	113	0.00
91		Dibenzo(a,h)anthracene	1.007	0.989	1.8	114	0.00
92		Benzo(g,h,i)perylene	0.984	0.962	2.2	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	108	0.00
2		1,4-Dioxane	40.000	40.292	-0.7	112	0.00
3		Pyridine	40.000	40.479	-1.2	110	0.00
4		n-Nitrosodimethylamine	40.000	39.718	0.7	106	0.00
5	S	2-Fluorophenol	80.000	79.754	0.3	108	0.00
6		Aniline	40.000	40.518	-1.3	108	0.00
7	S	Phenol-d6	80.000	81.134	-1.4	107	0.00
8		2-Chlorophenol	40.000	39.781	0.5	106	0.00
9		Benzaldehyde	40.000	37.547	6.1	101	0.00
10	C	Phenol	40.000	40.304	-0.8	108	0.00
11		bis(2-Chloroethyl)ether	40.000	40.460	-1.2	109	0.00
12		1,3-Dichlorobenzene	40.000	39.313	1.7	107	0.00
13	C	1,4-Dichlorobenzene	40.000	39.231	1.9	107	0.00
14		1,2-Dichlorobenzene	40.000	39.346	1.6	107	0.00
15		Benzyl Alcohol	40.000	40.082	-0.2	105	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.838	0.4	107	0.00
17		2-Methylphenol	40.000	40.301	-0.8	106	0.00
18		Hexachloroethane	40.000	38.895	2.8	105	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.470	-3.7	107	0.00
20		3+4-Methylphenols	40.000	39.944	0.1	105	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	39.840	0.4	105	0.00
23	S	Nitrobenzene-d5	80.000	81.114	-1.4	106	0.00
24		Nitrobenzene	40.000	40.197	-0.5	106	0.00
25		Isophorone	40.000	40.635	-1.6	106	0.00
26	C	2-Nitrophenol	40.000	39.105	2.2	99	0.00
27		2,4-Dimethylphenol	40.000	39.346	1.6	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.374	-0.9	107	0.00
29	C	2,4-Dichlorophenol	40.000	40.351	-0.9	105	0.00
30		1,2,4-Trichlorobenzene	40.000	39.325	1.7	106	0.00
31		Naphthalene	40.000	39.680	0.8	105	0.00
32		Benzoic acid	40.000	37.431	6.4	103	0.00
33		4-Chloroaniline	40.000	40.562	-1.4	107	0.00
34	C	Hexachlorobutadiene	40.000	38.483	3.8	103	0.00
35		Caprolactam	40.000	43.526	-8.8	110	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.231	-3.1	106	0.00
37		2-Methylnaphthalene	40.000	40.201	-0.5	105	0.00
38		1-Methylnaphthalene	40.000	40.320	-0.8	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	107	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.334	1.7	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.172	4.6	99	0.00
42	S	2,4,6-Tribromophenol	80.000	81.414	-1.8	104	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.025	-0.1	103	0.00
44		2,4,5-Trichlorophenol	40.000	40.261	-0.7	104	0.00
45	S	2-Fluorobiphenyl	80.000	81.679	-2.1	104	0.00
46		1,1'-Biphenyl	40.000	39.946	0.1	106	0.00
47		2-Chloronaphthalene	40.000	39.790	0.5	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.494	-3.7	105	0.00
49		Acenaphthylene	40.000	40.604	-1.5	106	0.00
50		Dimethylphthalate	40.000	39.962	0.1	106	0.00
51		2,6-Dinitrotoluene	40.000	41.552	-3.9	107	0.00
52	C	Acenaphthene	40.000	40.594	-1.5	106	0.00
53		3-Nitroaniline	40.000	42.399	-6.0	108	0.00
54	P	2,4-Dinitrophenol	40.000	36.995	7.5	95	0.00
55		Dibenzofuran	40.000	40.086	-0.2	106	0.00
56	P	4-Nitrophenol	40.000	42.277	-5.7	105	0.00
57		2,4-Dinitrotoluene	40.000	42.670	-6.7	107	0.00
58		Fluorene	40.000	41.789	-4.5	106	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.362	-0.9	105	0.00
60		Diethylphthalate	40.000	41.046	-2.6	107	0.00
61		4-Chlorophenyl-phenylether	40.000	41.102	-2.8	104	0.00
62		4-Nitroaniline	40.000	44.755	-11.9	107	0.00
63		Azobenzene	40.000	41.753	-4.4	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	35.256	11.9	100	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.470	-1.2	106	0.00
67		4-Bromophenyl-phenylether	40.000	40.024	-0.1	107	0.00
68		Hexachlorobenzene	40.000	39.328	1.7	105	0.00
69		Atrazine	40.000	40.736	-1.8	105	0.00
70	C	Pentachlorophenol	40.000	42.539	-6.3	108	0.00
71		Phenanthrene	40.000	40.604	-1.5	107	0.00
72		Anthracene	40.000	41.313	-3.3	107	0.00
73		Carbazole	40.000	41.705	-4.3	109	0.00
74		Di-n-butylphthalate	40.000	42.846	-7.1	109	0.00
75	C	Fluoranthene	40.000	42.745	-6.9	108	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	109	0.00
77		Benzidine	40.000	58.267	-45.7#	176	0.00
78		Pyrene	40.000	40.890	-2.2	109	0.00
79	S	Terphenyl-d14	80.000	89.012	-11.3	108	0.00
80		Butylbenzylphthalate	40.000	40.521	-1.3	105	0.00
81		Benzo(a)anthracene	40.000	40.654	-1.6	108	0.00
82		3,3'-Dichlorobenzidine	40.000	44.650	-11.6	117	0.00
83		Chrysene	40.000	40.493	-1.2	109	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.311	-5.8	109	0.00
85	c	Di-n-octyl phthalate	40.000	42.252	-5.6	110	0.00
86	I	Perylene-d12	20.000	20.000	0.0	114	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.637	0.9	114	0.00
88		Benzo(b)fluoranthene	40.000	42.001	-5.0	116	0.00
89		Benzo(k)fluoranthene	40.000	41.296	-3.2	111	0.00
90	C	Benzo(a)pyrene	40.000	41.189	-3.0	113	0.00
91		Dibenzo(a,h)anthracene	40.000	39.299	1.8	114	0.00
92		Benzo(g,h,i)perylene	40.000	39.113	2.2	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: BNA_M Calibration Date/Time: 09/19/2024 11:49

Lab File ID: BM047566.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.727	0.650		-10.6	
Pyridine	1.601	1.529		-4.5	
2-Fluorophenol	1.256	1.306		4.0	
Benzaldehyde	0.841	0.864		2.7	
Aniline	1.568	1.518		-3.2	
Phenol-d6	1.769	1.780		0.6	
bis(2-Chloroethyl)ether	1.422	1.432		0.7	
1,2-Dichlorobenzene	1.519	1.466		-3.5	
1,3-Dichlorobenzene	1.516	1.501		-1.0	
1,4-Dichlorobenzene	1.544	1.518		-1.7	20.0
Benzyl Alcohol	1.198	1.193		-0.4	
2,2-oxybis(1-Chloropropane)	2.000	1.862		-6.9	
Acetophenone	0.526	0.517		-1.7	
n-Nitroso-di-n-propylamine	1.193	1.152	0.050	-3.4	
Nitrobenzene-d5	0.400	0.407		1.8	
Hexachloroethane	0.617	0.627		1.6	
Nitrobenzene	0.411	0.412		0.2	
Isophorone	0.703	0.720		2.4	
bis(2-Chloroethoxy)methane	0.441	0.451		2.3	
1,2,4-Trichlorobenzene	0.309	0.302		-2.3	
Naphthalene	1.080	1.058		-2.0	
4-Chloroaniline	0.391	0.375		-4.1	
Hexachlorobutadiene	0.171	0.168		-1.8	20.0
Caprolactam	0.089	0.097		9.0	
2-Methylnaphthalene	0.719	0.693		-3.6	
Hexachlorocyclopentadiene	0.177	0.194	0.050	9.6	
2-Fluorobiphenyl	1.452	1.489		2.5	
1,1-Biphenyl	1.556	1.577		1.4	
2-Chloronaphthalene	1.208	1.206		-0.2	
2-Nitroaniline	0.355	0.393		10.7	
Dimethylphthalate	1.363	1.412		3.6	
Acenaphthylene	1.744	1.766		1.3	
2,6-Dinitrotoluene	0.288	0.308		6.9	
3-Nitroaniline	0.320	0.347		8.4	
Acenaphthene	1.222	1.250		2.3	20.0
Dibenzofuran	1.717	1.690		-1.6	
2,4-Dinitrotoluene	0.384	0.413		7.6	
Diethylphthalate	1.451	1.571		8.3	
4-Chlorophenyl-phenylether	0.707	0.696		-1.6	

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: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: BNA_M Calibration Date/Time: 09/19/2024 11:49

Lab File ID: BM047566.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Fluorene	1.546	1.546		0.0	
4-Nitroaniline	0.376	0.403		7.2	
n-Nitrosodiphenylamine	0.612	0.614		0.3	20.0
Azobenzene	1.597	1.675		4.9	
2,4,6-Tribromophenol	0.193	0.201		4.1	
4-Bromophenyl-phenylether	0.194	0.192		-1.0	
Hexachlorobenzene	0.220	0.218		-0.9	
Atrazine	0.169	0.142		-16.0	
Phenanthrene	1.102	1.082		-1.8	
Anthracene	1.059	1.059		0.0	
Carbazole	1.049	1.066		1.6	
Di-n-butylphthalate	1.256	1.479		17.8	
Fluoranthene	1.203	1.232		2.4	20.0
Benzidine	0.282	0.463		64.2	
Pyrene	1.459	1.474		1.0	
Terphenyl-d14	1.116	1.244		11.5	
Butylbenzylphthalate	0.562	0.730		29.9	
3,3-Dichlorobenzidine	0.347	0.471		35.7	
Benzo(a)anthracene	1.304	1.336		2.5	
Chrysene	1.233	1.250		1.4	
Bis(2-ethylhexyl)phthalate	0.880	1.186		34.8	
Di-n-octyl phthalate	1.244	1.882		51.3	20.0
Benzo(b)fluoranthene	1.294	1.298		0.3	
Benzo(k)fluoranthene	1.282	1.261		-1.6	
Benzo(a)pyrene	1.061	1.080		1.8	20.0
Indeno(1,2,3-cd)pyrene	1.197	1.356		13.3	
Dibenzo(a,h)anthracene	1.007	1.134		12.6	
Benzo(g,h,i)perylene	0.984	1.114		13.2	
1,2,4,5-Tetrachlorobenzene	0.541	0.545		0.7	
1,4-Dioxane	0.538	0.526		-2.2	20.0
1-Methylnaphthalene	0.714	0.685		-4.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.839	152	406101	20.000	ng		-0.01
21) Naphthalene-d8	10.639	136	1674497	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	905170	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1699865	20.000	ng		0.00
76) Chrysene-d12	21.433	240	1491886	20.000	ng		-0.01
86) Perylene-d12	24.462	264	1457823	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	2120899	83.155	ng		0.00
7) Phenol-d6	7.004	99	2892219	80.521	ng		0.00
23) Nitrobenzene-d5	8.998	82	2724089	81.415	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	727459	83.145	ng		0.00
45) 2-Fluorobiphenyl	13.098	172	5391582	82.051	ng		-0.01
79) Terphenyl-d14	19.827	244	7423631	89.167	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.310	88	427123	39.098	ng		99
3) Pyridine	3.710	79	1242174m	38.199	ng		
4) n-Nitrosodimethylamine	3.616	42	528139	35.796	ng	#	91
6) Aniline	7.169	93	1232648	38.709	ng		99
8) 2-Chlorophenol	7.404	128	1121763	39.896	ng		99
9) Benzaldehyde	6.975	77	701465	41.071	ng		99
10) Phenol	7.028	94	1416117	39.375	ng		98
11) bis(2-Chloroethyl)ether	7.263	93	1162925	40.276	ng		99
12) 1,3-Dichlorobenzene	7.734	146	1219326	39.620	ng		99
13) 1,4-Dichlorobenzene	7.875	146	1232665	39.324	ng		98
14) 1,2-Dichlorobenzene	8.198	146	1190334	38.586	ng		99
15) Benzyl Alcohol	8.075	79	968822	39.820	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.375	45	1511971	37.226	ng		97
17) 2-Methylphenol	8.281	107	897728	39.073	ng		98
18) Hexachloroethane	8.928	117	509471	40.686	ng		98
19) n-Nitroso-di-n-propyla...	8.651	70	935365	38.623	ng		95
20) 3+4-Methylphenols	8.610	107	1229549	38.353	ng		97
22) Acetophenone	8.657	105	1731710	39.336	ng	#	99
24) Nitrobenzene	9.039	77	1379554	40.125	ng		100
25) Isophorone	9.569	82	2411668	40.999	ng		99
26) 2-Nitrophenol	9.745	139	537507	45.878	ng		99
27) 2,4-Dimethylphenol	9.810	122	719860	40.532	ng		99
28) bis(2-Chloroethoxy)met...	10.045	93	1510866	40.891	ng		99
29) 2,4-Dichlorophenol	10.280	162	919700	40.760	ng		98
30) 1,2,4-Trichlorobenzene	10.498	180	1010125	39.082	ng		97
31) Naphthalene	10.686	128	3543113	39.178	ng		100
32) Benzoic acid	9.939	122	757607	43.933	ng		96
33) 4-Chloroaniline	10.792	127	1257482	38.458	ng		99
34) Hexachlorobutadiene	10.980	225	563307	39.348	ng		98
35) Caprolactam	11.563	113	324237	43.628	ng		96
36) 4-Chloro-3-methylphenol	11.916	107	1061022	41.032	ng		98
37) 2-Methylnaphthalene	12.298	142	2319196	38.531	ng		99
38) 1-Methylnaphthalene	12.516	142	2294073	38.352	ng		99
40) 1,2,4,5-Tetrachloroben...	12.669	216	986570	40.279	ng		99
41) Hexachlorocyclopentadiene	12.657	237	351029	43.840	ng		98
43) 2,4,6-Trichlorophenol	12.904	196	663369	43.230	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	737007	42.523	ng	99
46) 1,1'-Biphenyl	13.310	154	2854654	40.533	ng	99
47) 2-Chloronaphthalene	13.351	162	2183481	39.928	ng	98
48) 2-Nitroaniline	13.545	65	711483	44.296	ng	97
49) Acenaphthylene	14.198	152	3196953	40.512	ng	100
50) Dimethylphthalate	13.933	163	2555716	41.425	ng	100
51) 2,6-Dinitrotoluene	14.039	165	557553	42.810	ng	96
52) Acenaphthene	14.539	154	2262183	40.913	ng	99
53) 3-Nitroaniline	14.368	138	628518	43.417	ng	99
54) 2,4-Dinitrophenol	14.568	184	269954	45.515	ng	99
55) Dibenzofuran	14.868	168	3060184	39.385	ng	97
56) 4-Nitrophenol	14.668	139	526372	44.188	ng	99
57) 2,4-Dinitrotoluene	14.827	165	748179	43.073	ng	97
58) Fluorene	15.521	166	2798113	39.999	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	556061	41.149	ng	96
60) Diethylphthalate	15.298	149	2844419	43.320	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	1260842	39.419	ng	100
62) 4-Nitroaniline	15.527	138	728904	42.836	ng	99
63) Azobenzene	15.804	77	3033161	41.953	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	353810	41.931	ng	95
66) n-Nitrosodiphenylamine	15.727	169	2087242	40.138	ng	100
67) 4-Bromophenyl-phenylether	16.404	248	651816	39.463	ng	97
68) Hexachlorobenzene	16.521	284	740115	39.554	ng	97
69) Atrazine	16.674	200	482956	33.602	ng	100
70) Pentachlorophenol	16.857	266	495121	45.647	ng	100
71) Phenanthrene	17.251	178	3679120	39.274	ng	100
72) Anthracene	17.339	178	3599776	39.996	ng	100
73) Carbazole	17.604	167	3623444	40.624	ng	99
74) Di-n-butylphthalate	18.180	149	5028415	47.117	ng	100
75) Fluoranthene	19.256	202	4186947	40.964	ng	97
77) Benzidine	19.439	184	1382959	65.820	ng	99
78) Pyrene	19.621	202	4397965	40.414	ng	100
80) Butylbenzylphthalate	20.515	149	2177713	51.985	ng	97
81) Benzo(a)anthracene	21.415	228	3987184	41.003	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	1405001	54.316	ng	99
83) Chrysene	21.480	228	3730252	40.556	ng	100
84) Bis(2-ethylhexyl)phtha...	21.350	149	3539026	53.928	ng	99
85) Di-n-octyl phthalate	22.491	149	5614359	60.483	ng	98
87) Indeno(1,2,3-cd)pyrene	27.885	276	3952483	45.304	ng	99
88) Benzo(b)fluoranthene	23.509	252	3785873	40.137	ng	99
89) Benzo(k)fluoranthene	23.568	252	3675308	39.316	ng	99
90) Benzo(a)pyrene	24.321	252	3150288	40.750	ng	99
91) Dibenzo(a,h)anthracene	27.944	278	3306709	45.050	ng	99
92) Benzo(g,h,i)perylene	28.950	276	3248885	45.311	ng	99

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

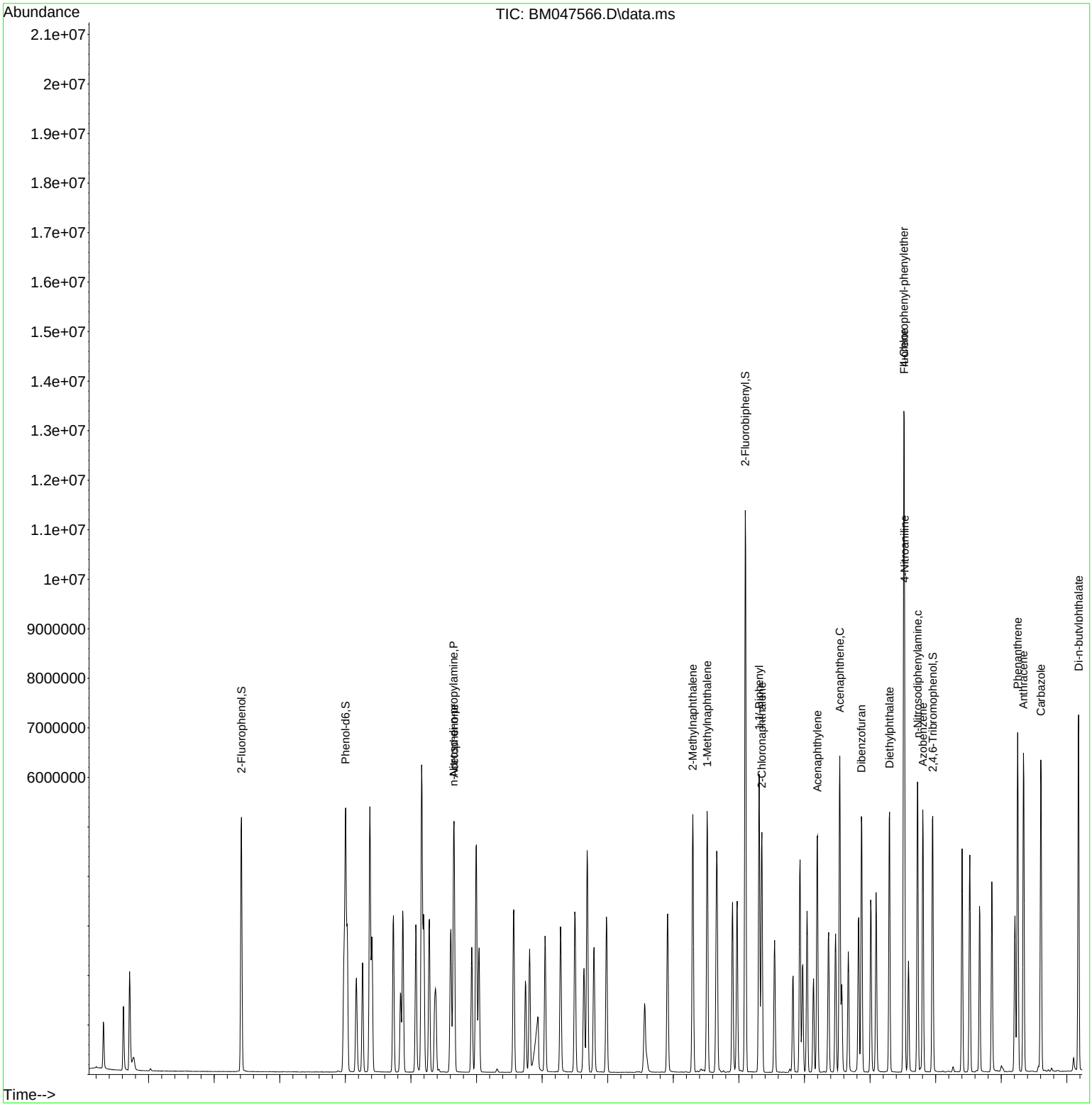
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



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Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 13:39:37 2024
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QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
SSTDCCC040

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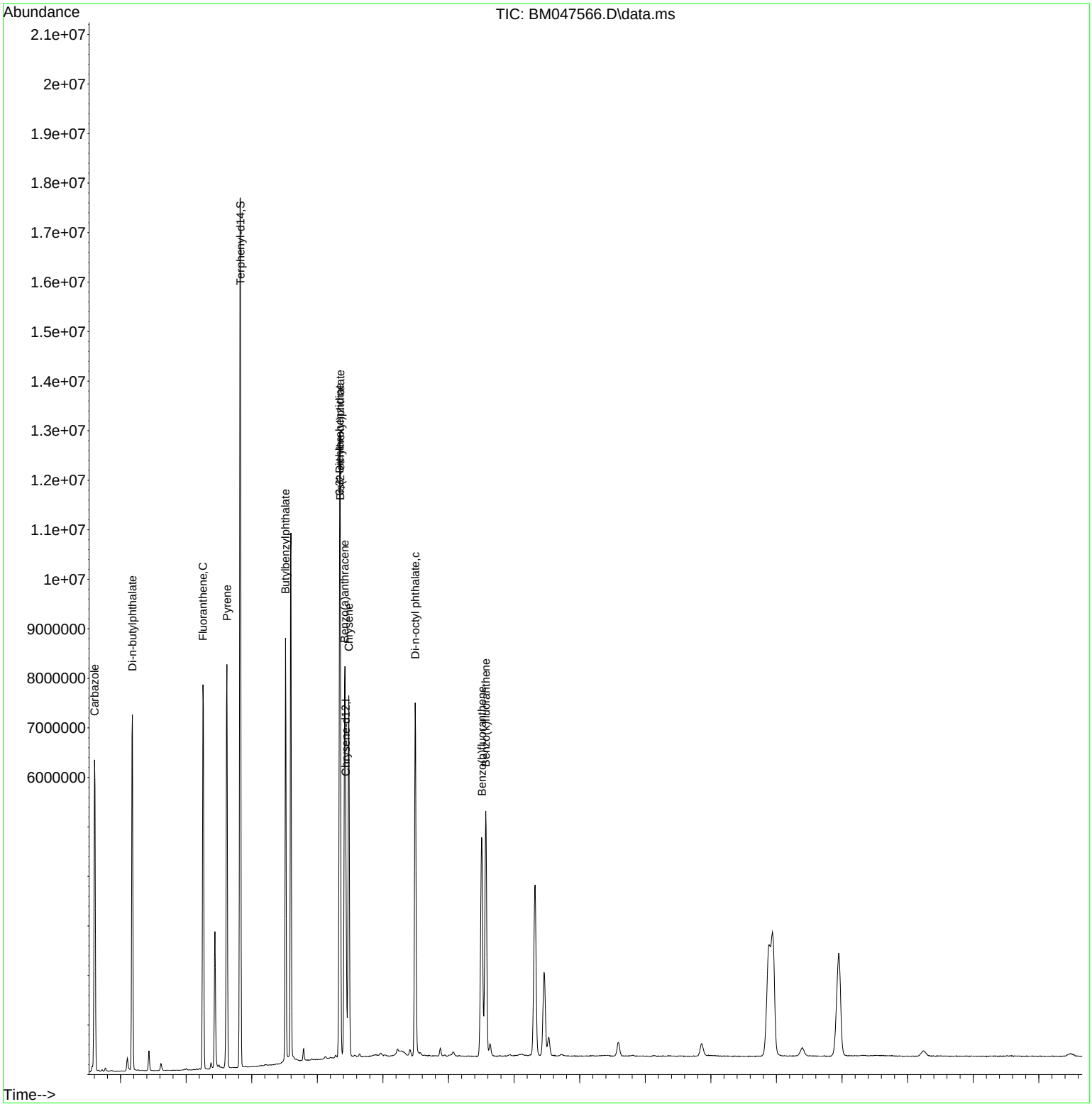
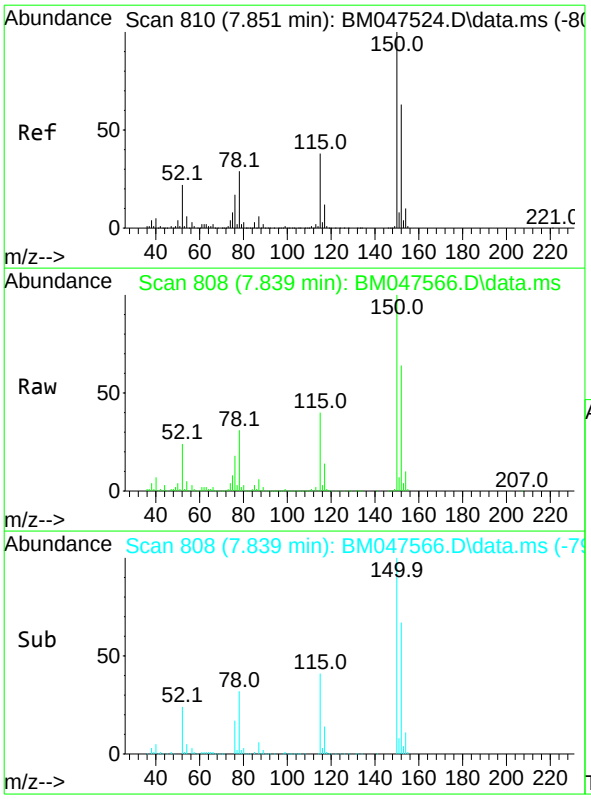
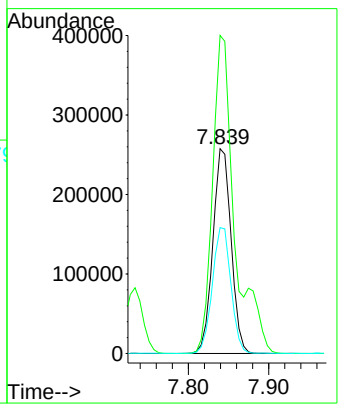




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:152 Resp: 406101

Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.8	190.2
115	61.5	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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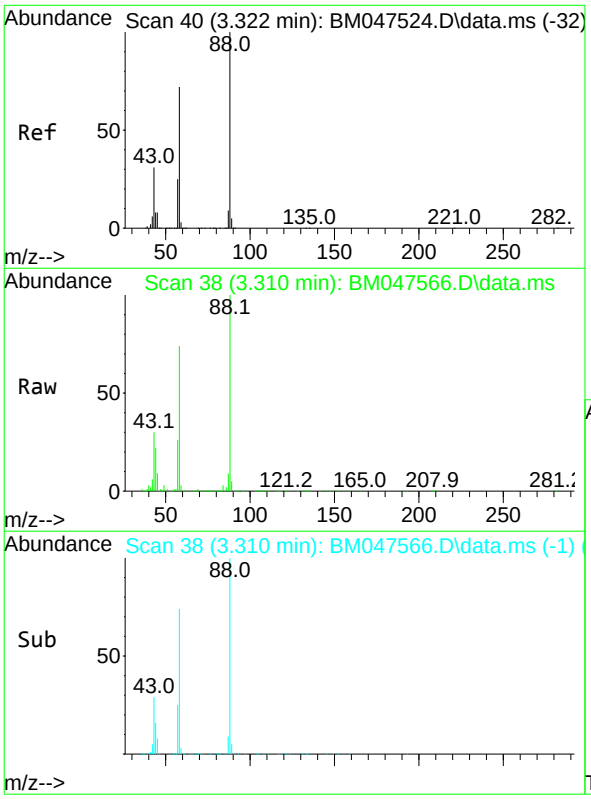
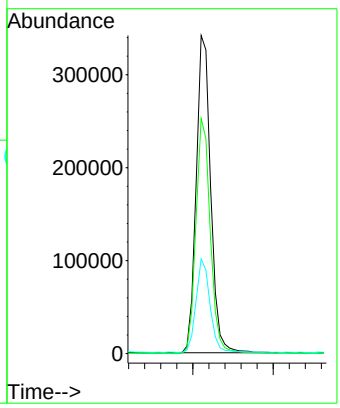
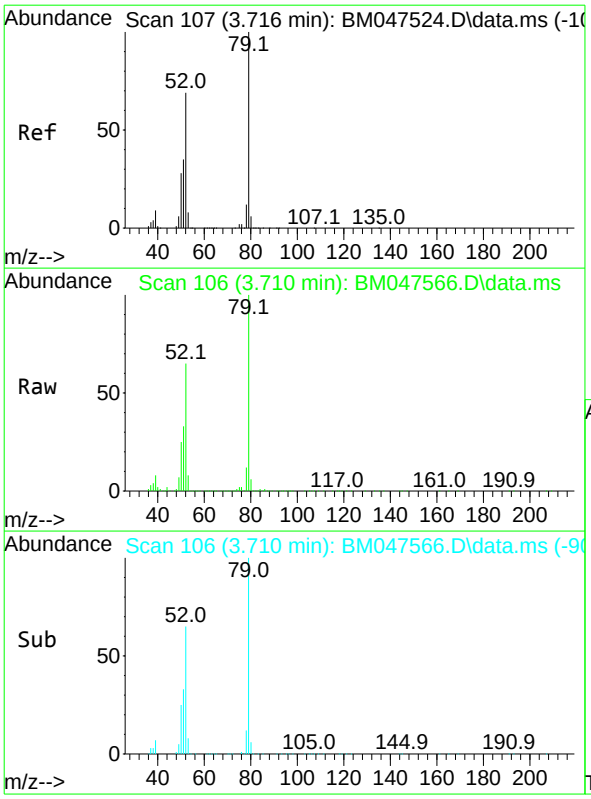


#2
1,4-Dioxane
Concen: 39.098 ng
RT: 3.310 min Scan# 38
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 88 Resp: 427123

Ion	Ratio	Lower	Upper
88	100		
58	74.1	59.0	88.6
43	29.0	25.0	37.4

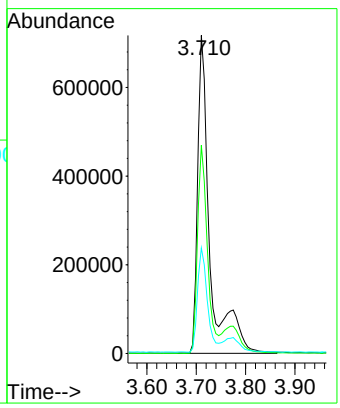




#3
Pyridine
Concen: 38.199 ng m
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 79 Resp: 1242174

Ion	Ratio	Lower	Upper
79	100		
52	65.5	55.4	83.0
51	33.2	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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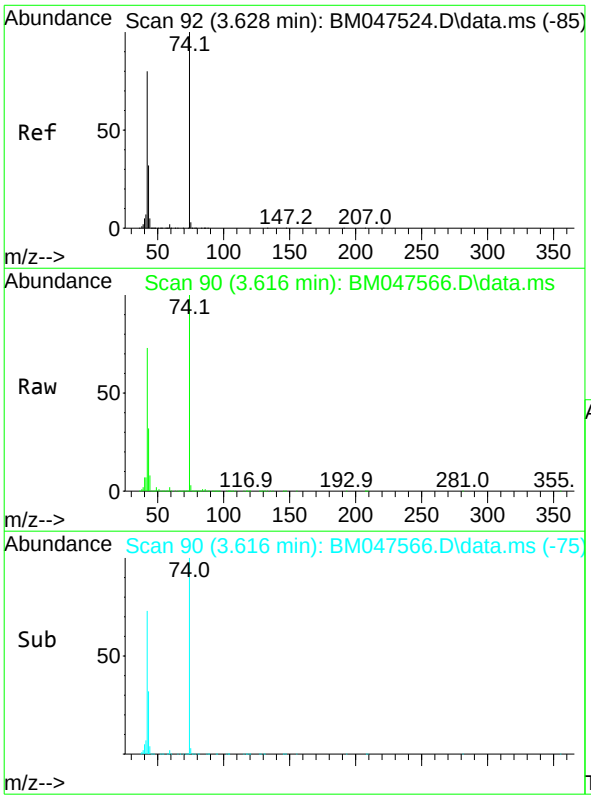
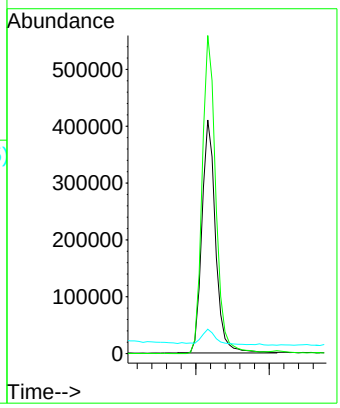
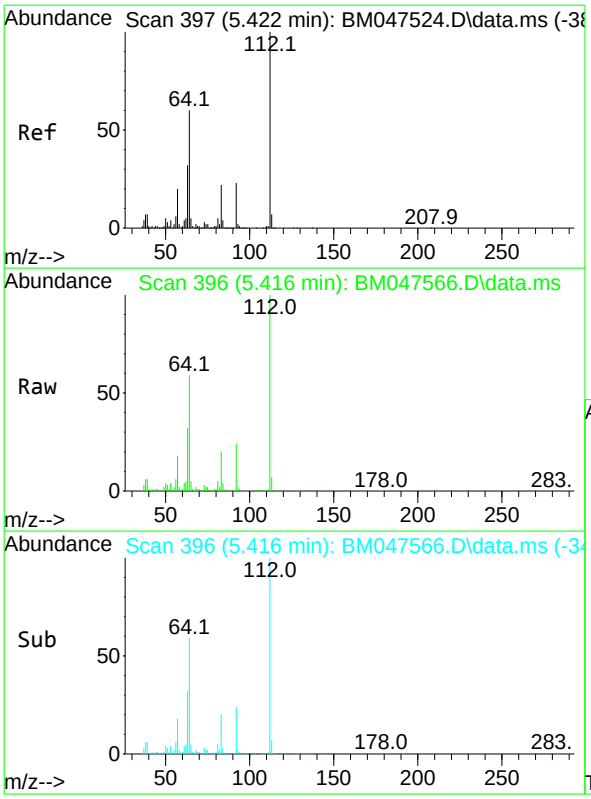


#4
n-Nitrosodimethylamine
Concen: 35.796 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 42 Resp: 528139

Ion	Ratio	Lower	Upper
42	100		
74	136.1	100.5	150.7
44	10.4	6.9	10.3#





#5
2-Fluorophenol
Concen: 83.155 ng
RT: 5.416 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:112 Resp: 2120899

Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.2	72.4
63	31.6	26.0	39.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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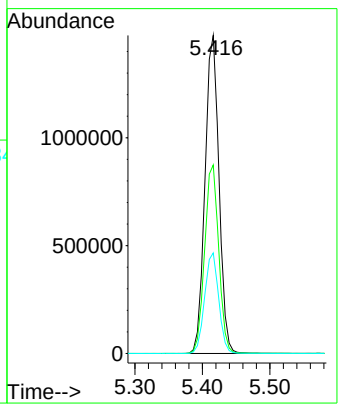
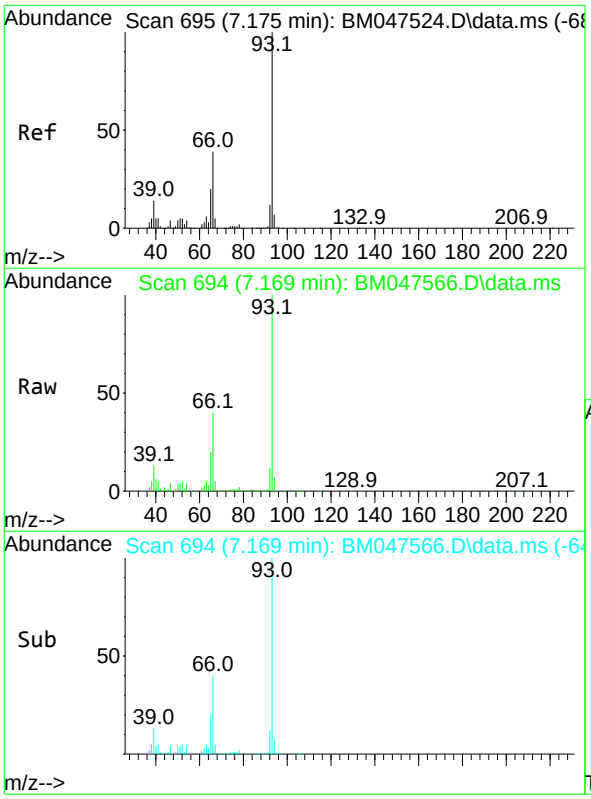
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

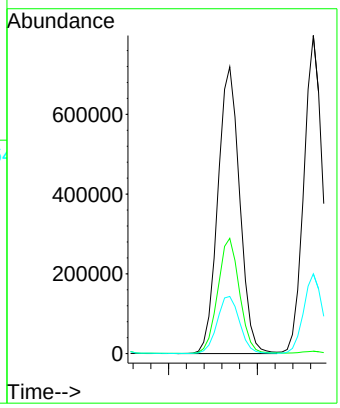


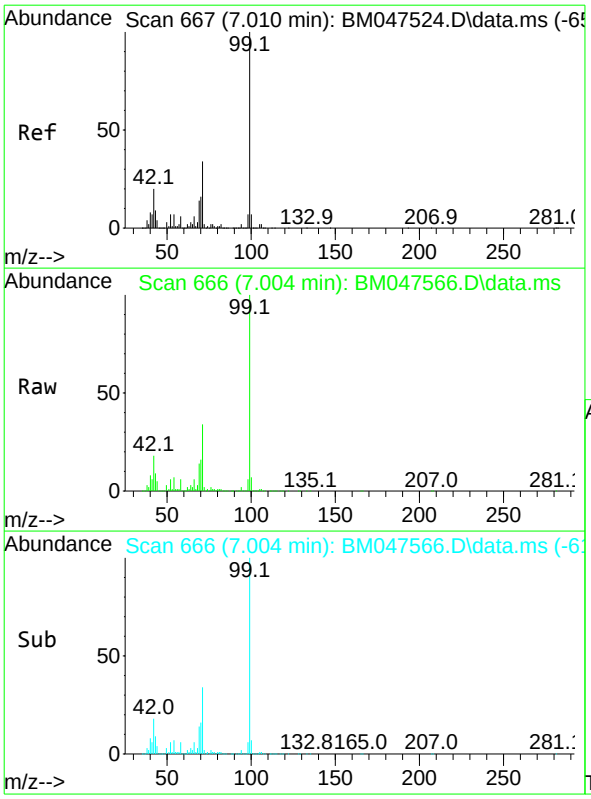


#6
Aniline
Concen: 38.709 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 93 Resp: 1232648

Ion	Ratio	Lower	Upper
93	100		
66	40.2	31.4	47.0
65	19.9	16.3	24.5

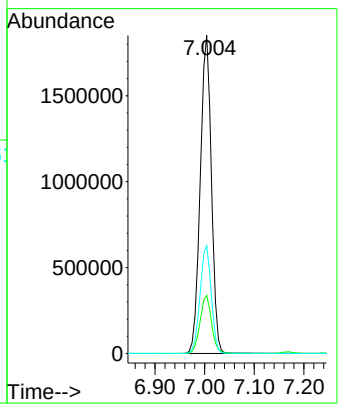




#7
Phenol-d6
Concen: 80.521 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 99 Resp: 2892219

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.8	23.8
71	33.9	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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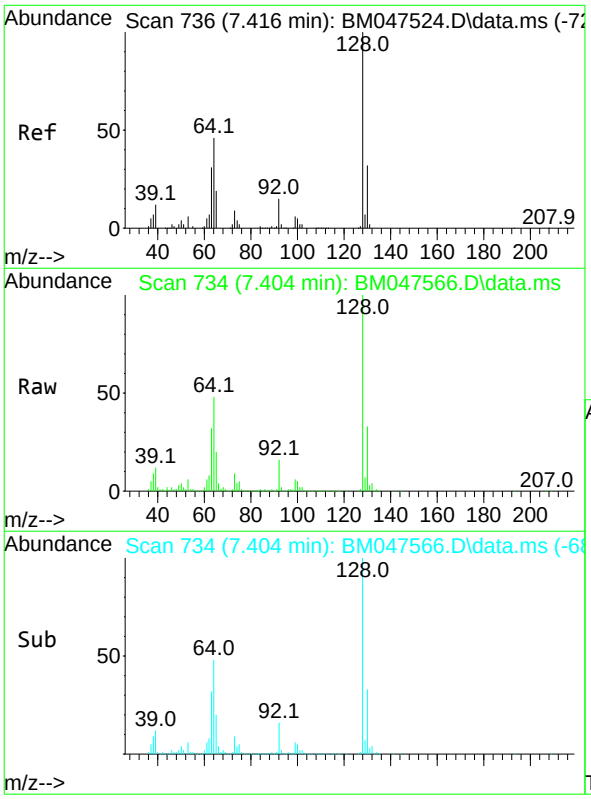
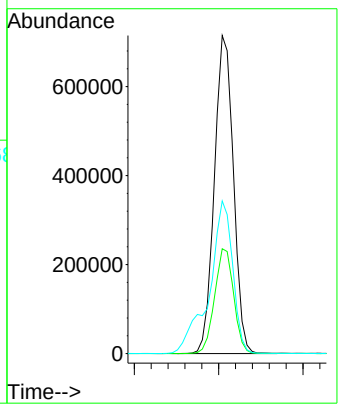
Supervised By :mohammad ahmed 09/22/2024

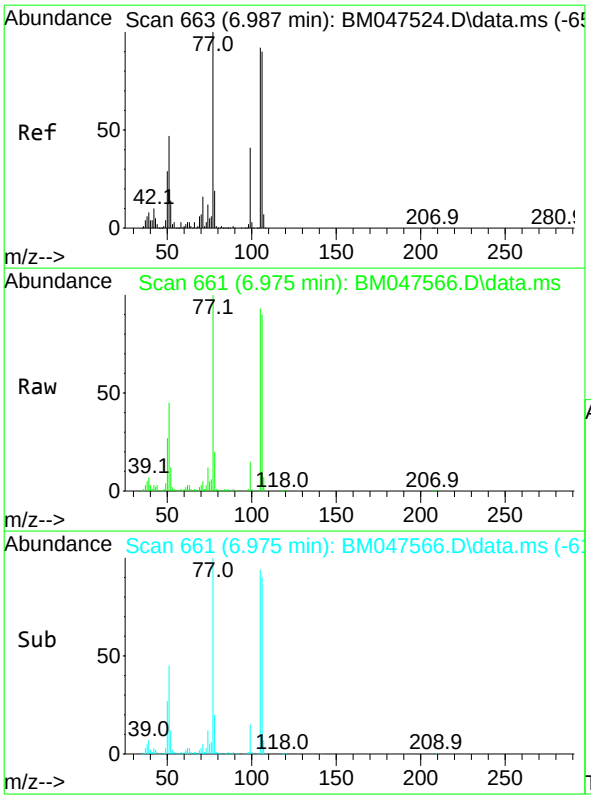


#8
2-Chlorophenol
Concen: 39.896 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:128 Resp: 1121763

Ion	Ratio	Lower	Upper
128	100		
130	33.0	11.8	51.8
64	48.0	27.6	67.6

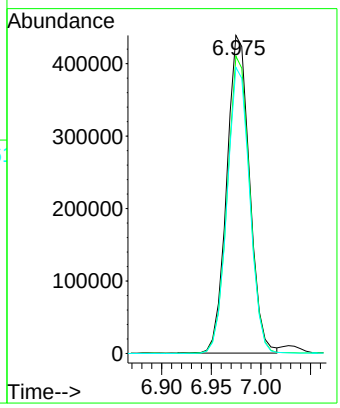




#9
Benzaldehyde
Concen: 41.071 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 77 Resp: 701465

Ion	Ratio	Lower	Upper
77	100		
105	93.5	71.8	111.8
106	90.0	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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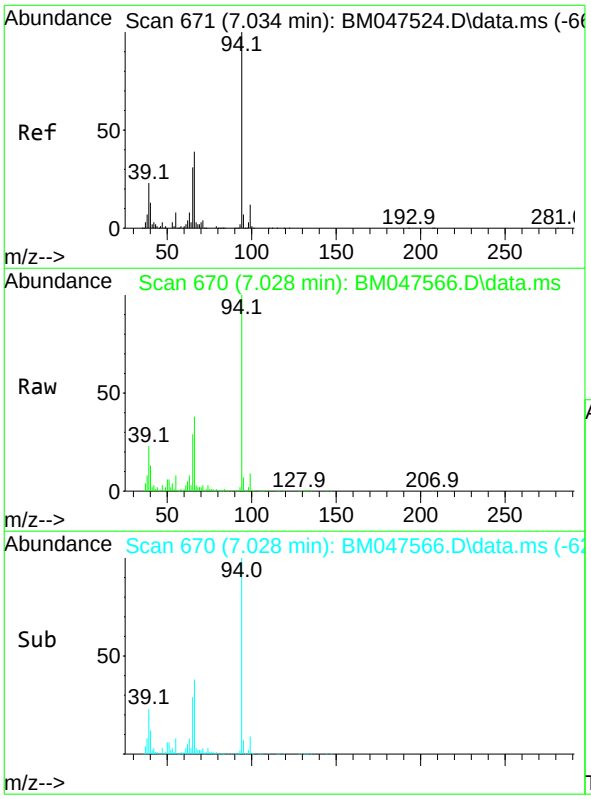
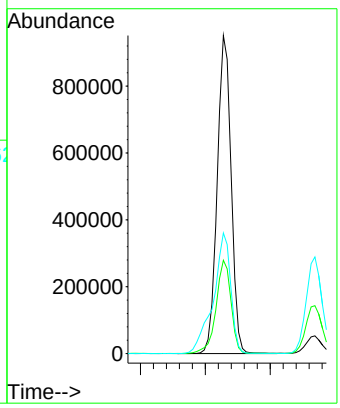
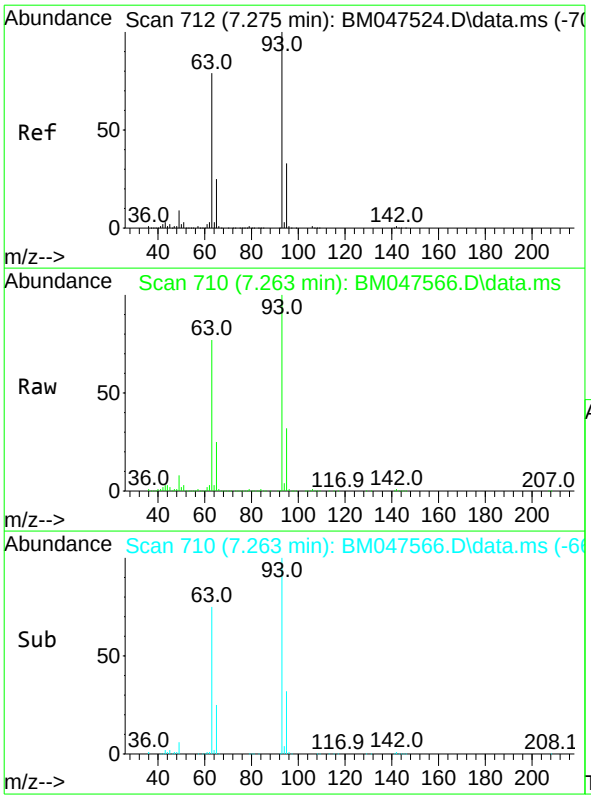


#10
Phenol
Concen: 39.375 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 94 Resp: 1416117

Ion	Ratio	Lower	Upper
94	100		
65	29.3	10.8	50.8
66	37.9	19.2	59.2

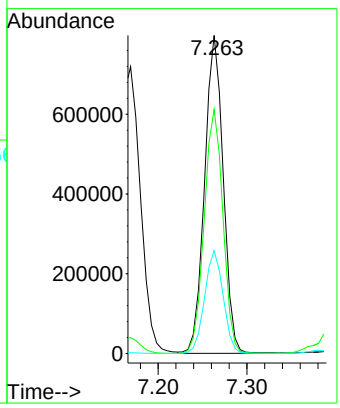




#11
bis(2-Chloroethyl)ether
Concen: 40.276 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 93 Resp: 1162925

Ion	Ratio	Lower	Upper
93	100		
63	76.7	58.2	98.2
95	32.3	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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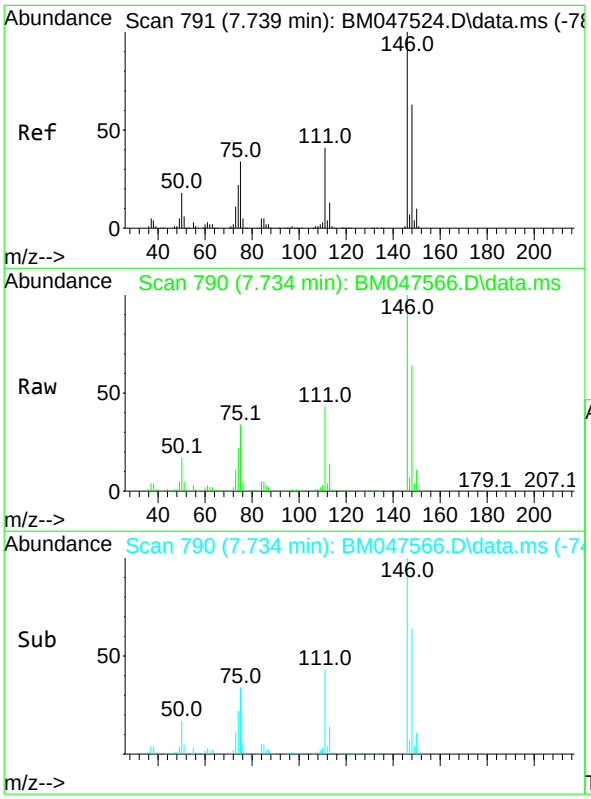
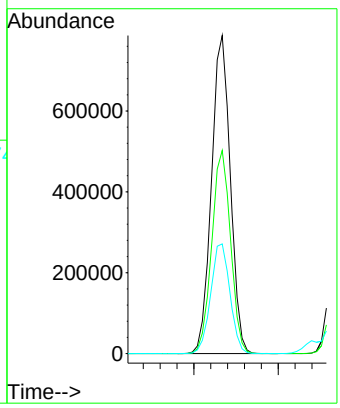
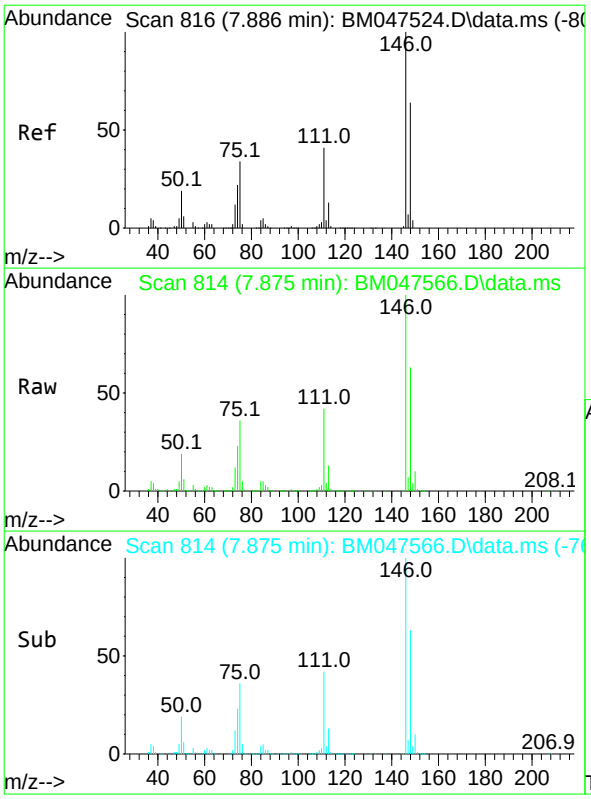


#12
1,3-Dichlorobenzene
Concen: 39.620 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:146 Resp: 1219326

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.2	75.4
75	34.5	27.4	41.0

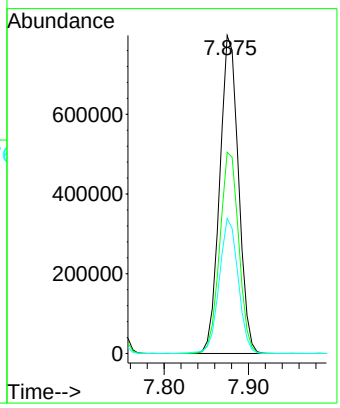




#13
1,4-Dichlorobenzene
Concen: 39.324 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:146 Resp: 1232665

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.3	76.9
111	42.5	32.9	49.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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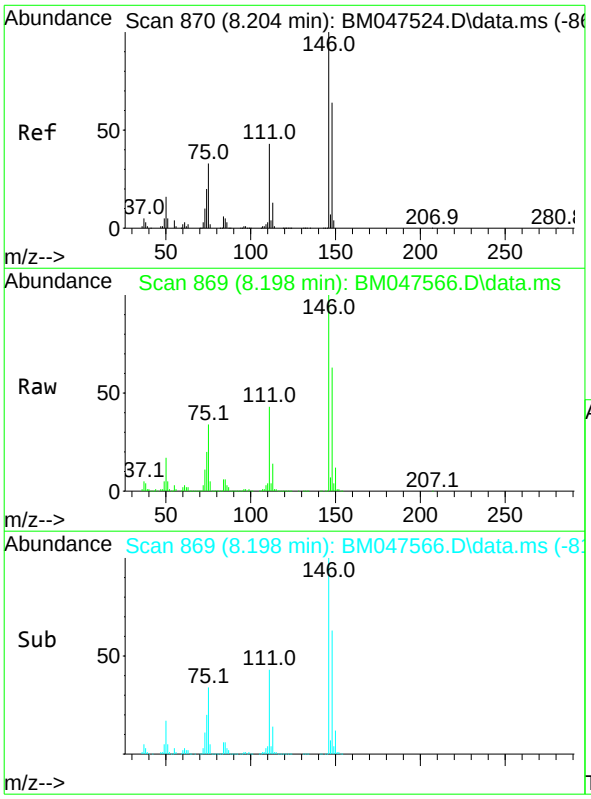
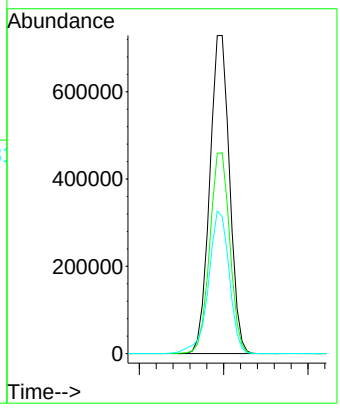
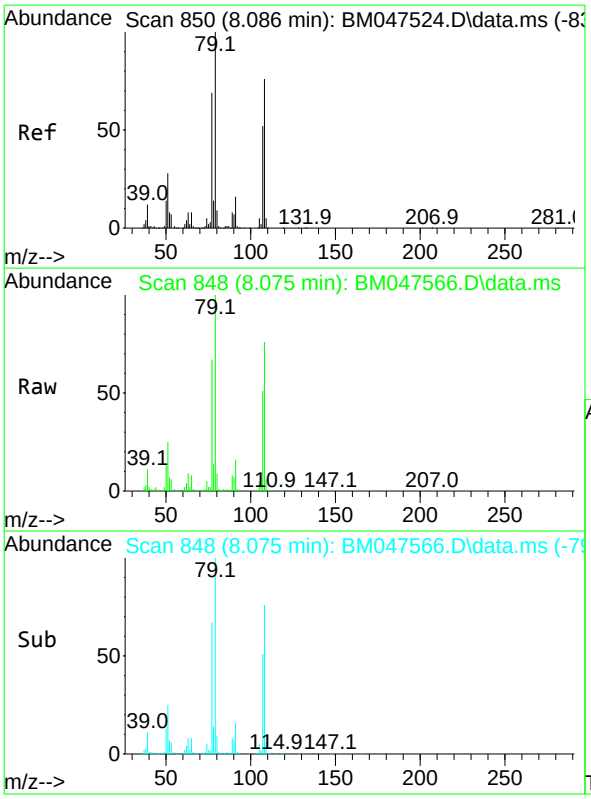


#14
1,2-Dichlorobenzene
Concen: 38.586 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:146 Resp: 1190334

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.1	76.7
111	43.1	34.7	52.1

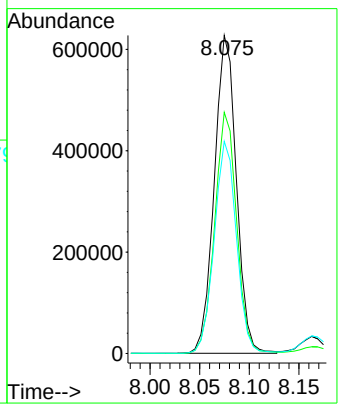




#15
Benzyl Alcohol
Concen: 39.820 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 79 Resp: 968822

Ion	Ratio	Lower	Upper
79	100		
108	75.8	60.6	91.0
77	66.7	55.0	82.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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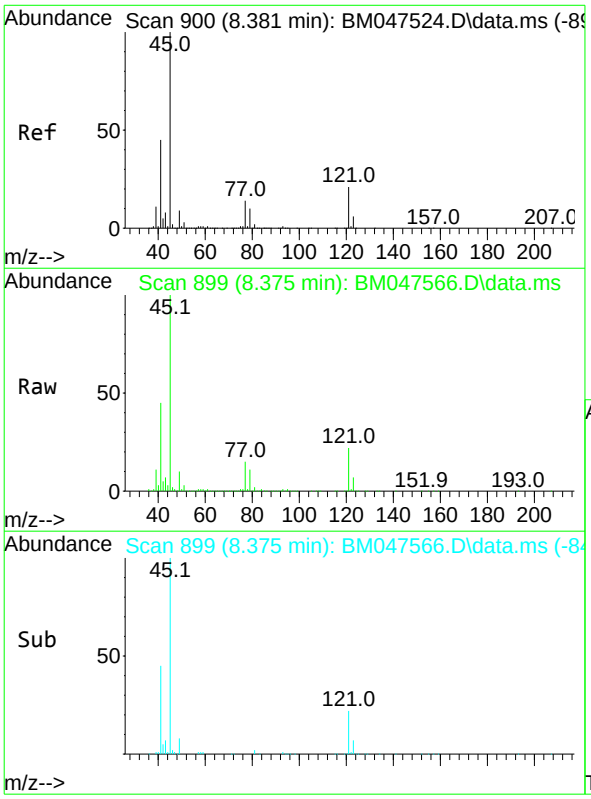
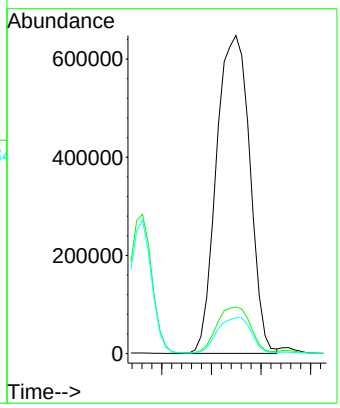
Supervised By :mohammad ahmed 09/22/2024

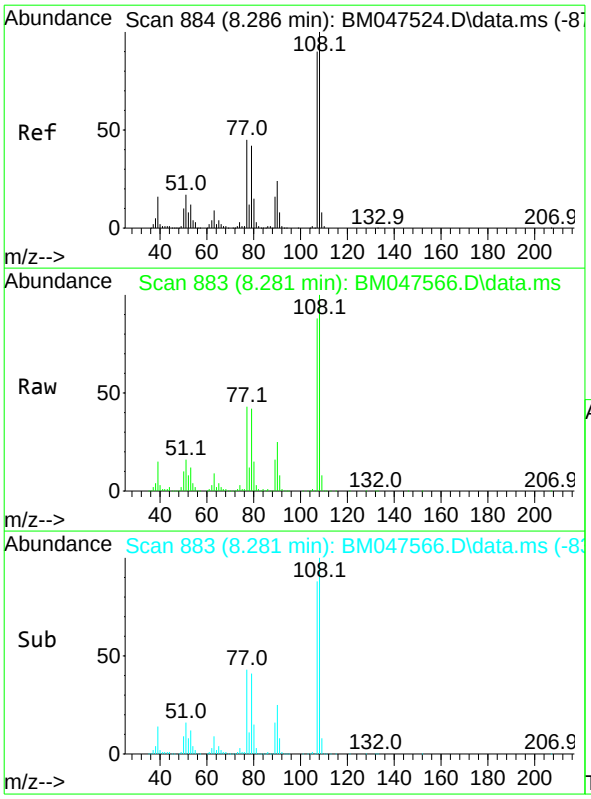


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.226 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 45 Resp: 1511971

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	33.7
79	11.3	0.0	30.3

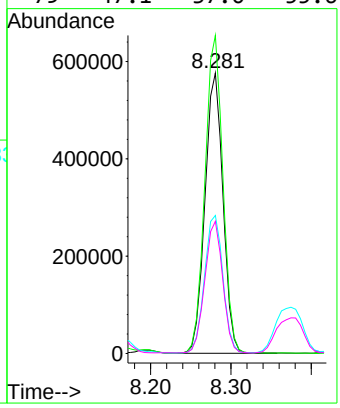




#17
2-Methylphenol
Concen: 39.073 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:107 Resp: 897728

Ion	Ratio	Lower	Upper
107	100		
108	113.4	88.9	133.3
77	49.2	39.8	59.8
79	47.1	37.0	55.6



Instrument :
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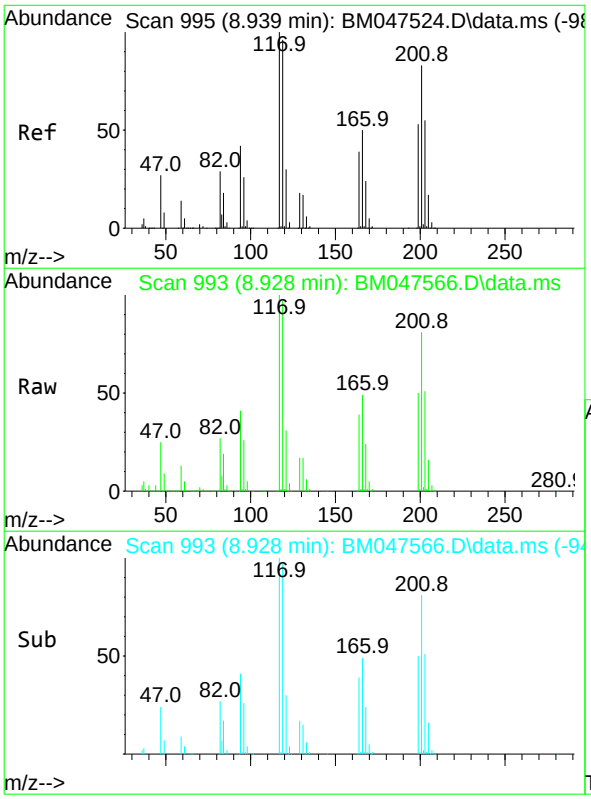
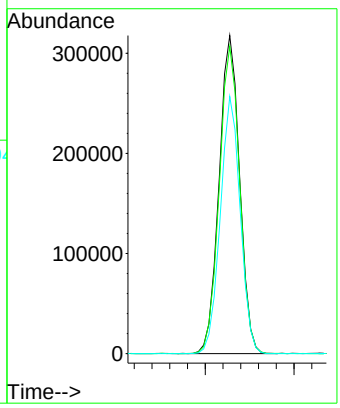
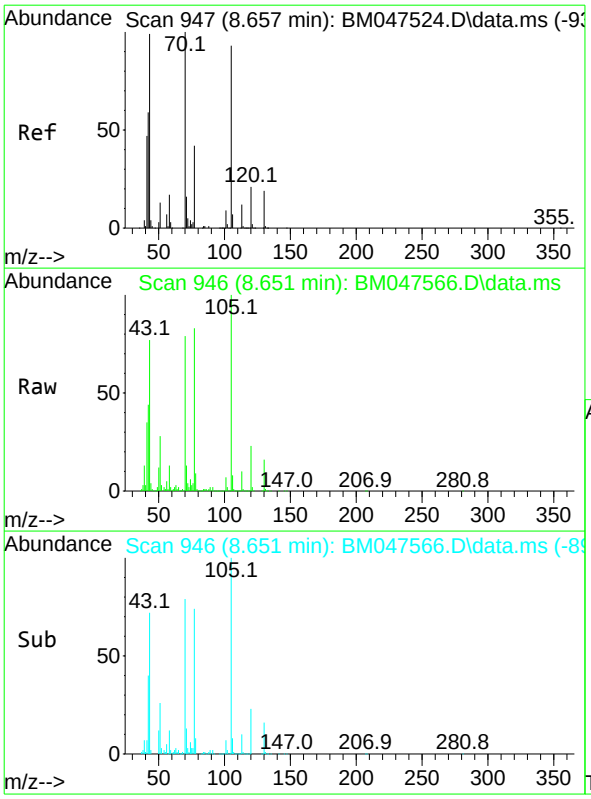


#18
Hexachloroethane
Concen: 40.686 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:117 Resp: 509471

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.4
201	80.8	66.8	100.2

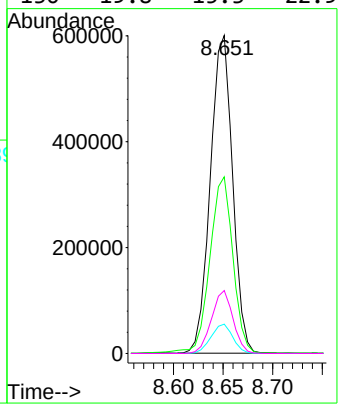




#19
n-Nitroso-di-n-propylamine
Concen: 38.623 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 70 Resp: 935365

Ion	Ratio	Lower	Upper
70	100		
42	55.5	48.2	72.2
101	9.2	7.0	10.4
130	19.8	15.3	22.9



Instrument :
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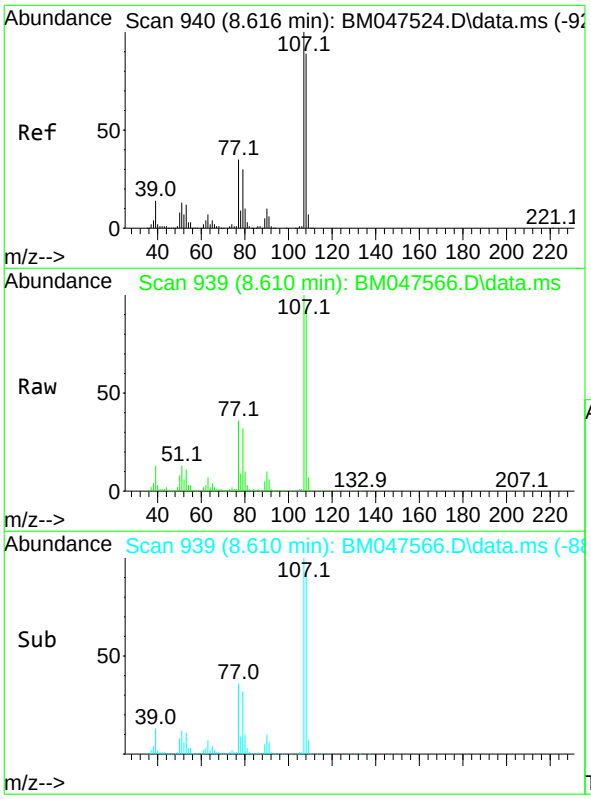
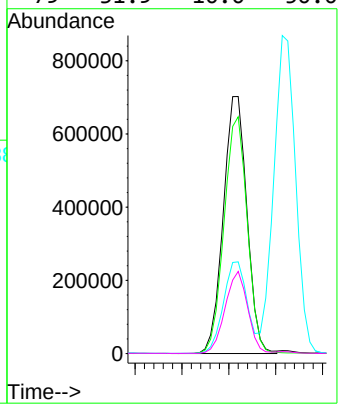
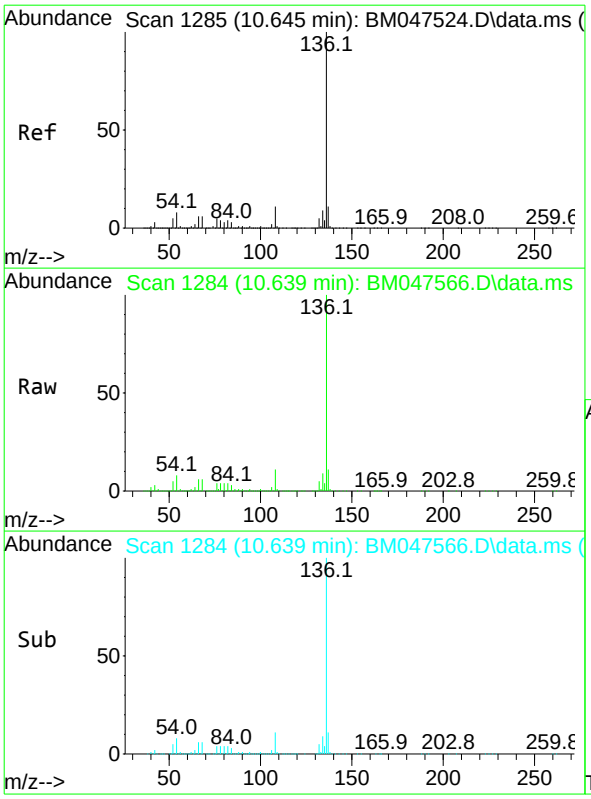


#20
3+4-Methylphenols
Concen: 38.353 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:107 Resp: 1229549

Ion	Ratio	Lower	Upper
107	100		
108	92.1	68.9	108.9
77	35.7	15.5	55.5
79	31.9	10.0	50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 12
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1674497

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.9	6.6	9.8
68	6.1	4.9	7.3

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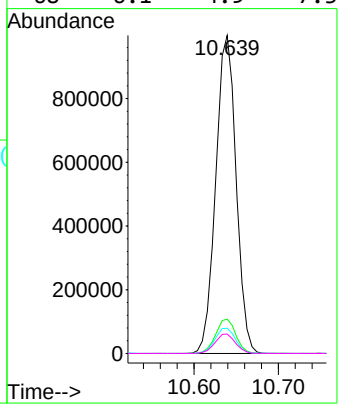
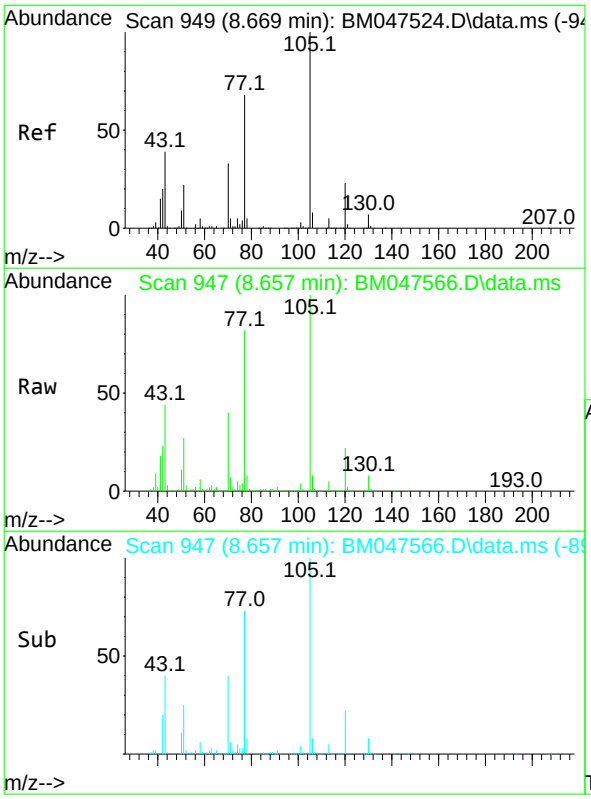
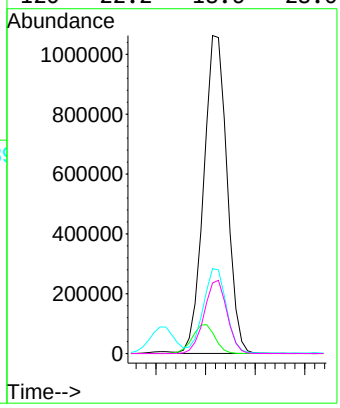


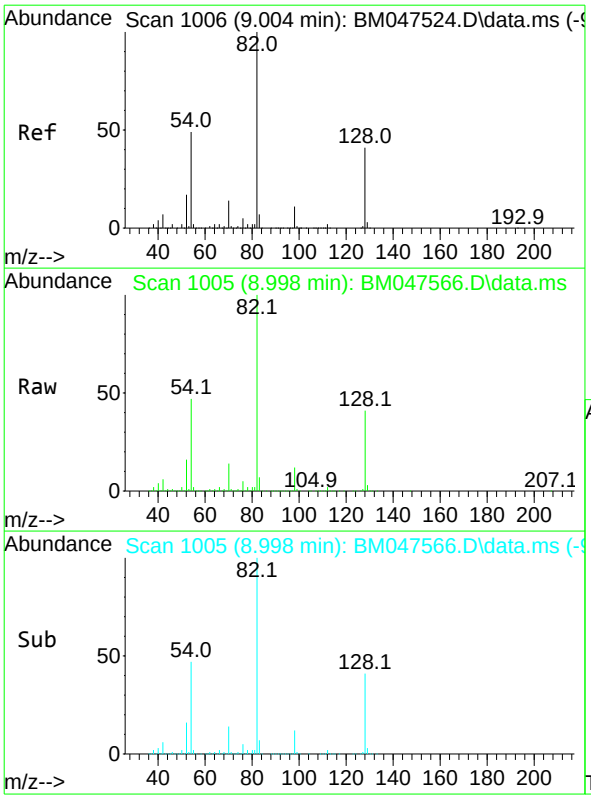


#22
Acetophenone
Concen: 39.336 ng
RT: 8.657 min Scan# 947
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:105 Resp: 1731710

Ion	Ratio	Lower	Upper
105	100		
71	6.6	4.3	6.5#
51	26.7	21.5	32.3
120	22.2	18.6	28.0

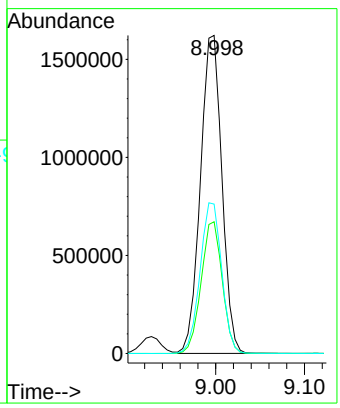




#23
Nitrobenzene-d5
Concen: 81.415 ng
RT: 8.998 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 82 Resp: 2724089

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	47.0	39.3	58.9



Instrument :
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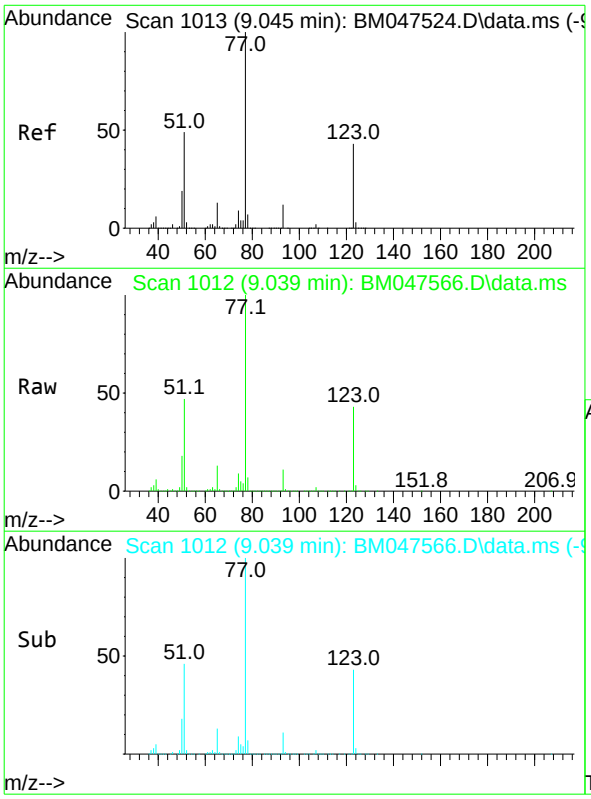
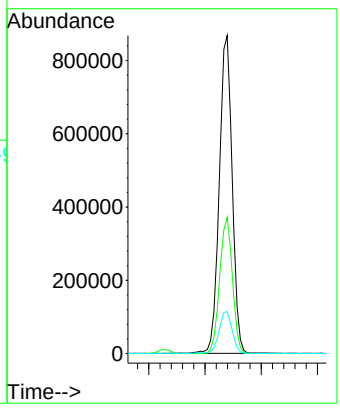
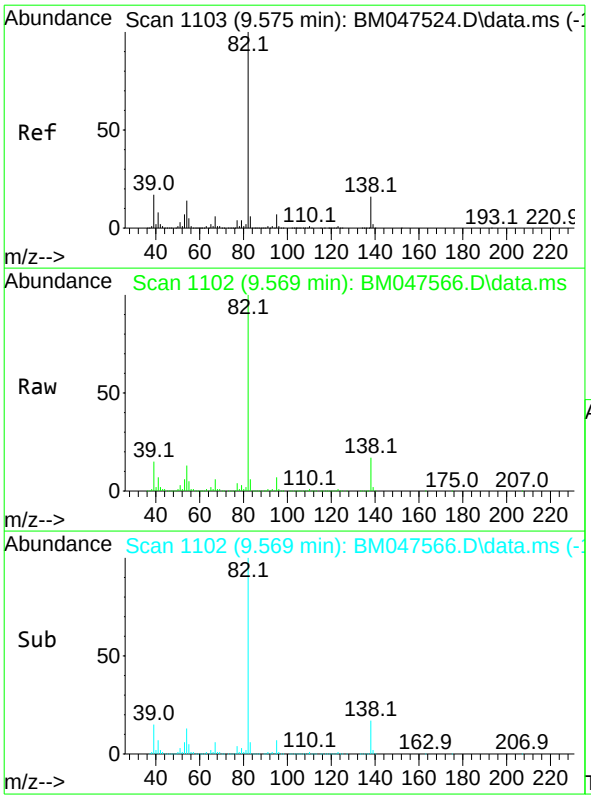


#24
Nitrobenzene
Concen: 40.125 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 77 Resp: 1379554

Ion	Ratio	Lower	Upper
77	100		
123	42.9	34.5	51.7
65	13.2	10.7	16.1

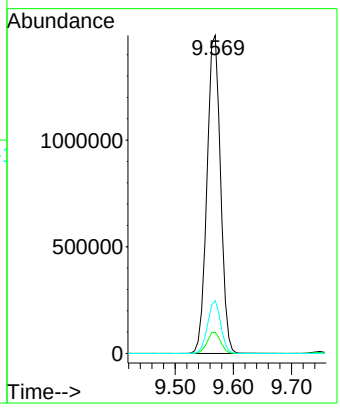




#25
Isophorone
Concen: 40.999 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 82 Resp: 2411668

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.0
138	16.6	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
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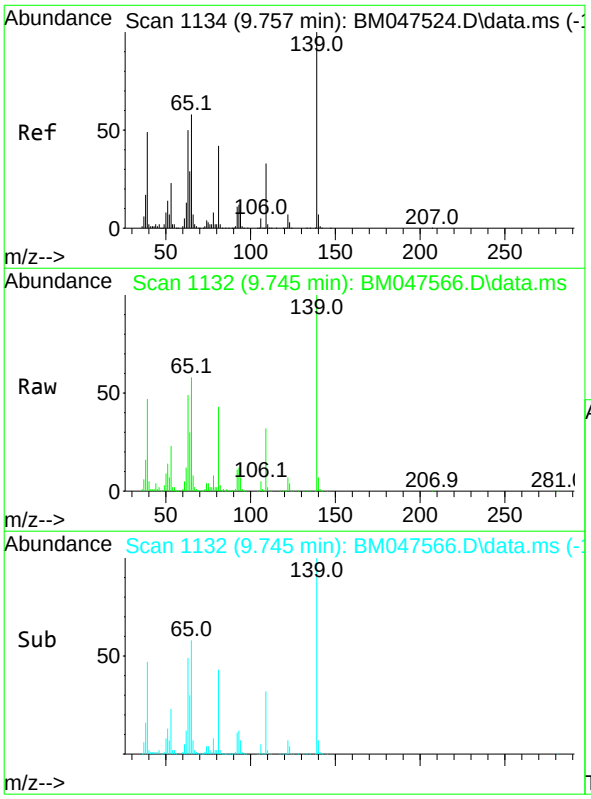
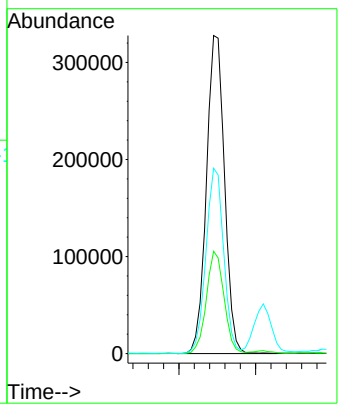
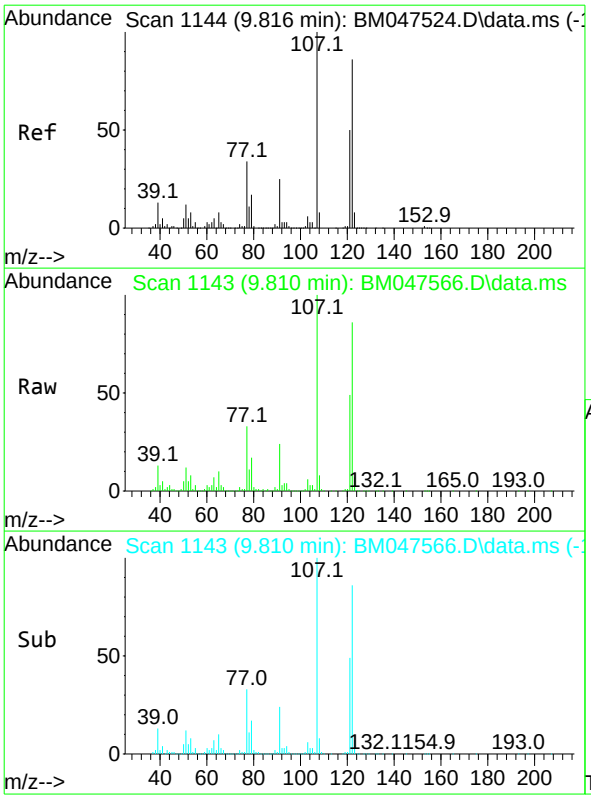


#26
2-Nitrophenol
Concen: 45.878 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:139 Resp: 537507

Ion	Ratio	Lower	Upper
139	100		
109	32.2	26.0	39.0
65	58.3	46.2	69.4

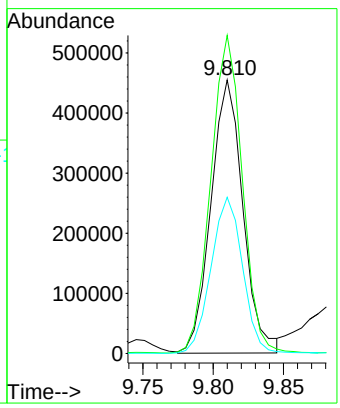




#27
2,4-Dimethylphenol
Concen: 40.532 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:122 Resp: 719860

Ion	Ratio	Lower	Upper
122	100		
107	116.3	92.4	138.6
121	57.1	46.2	69.4



Instrument :
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ClientSampleId :
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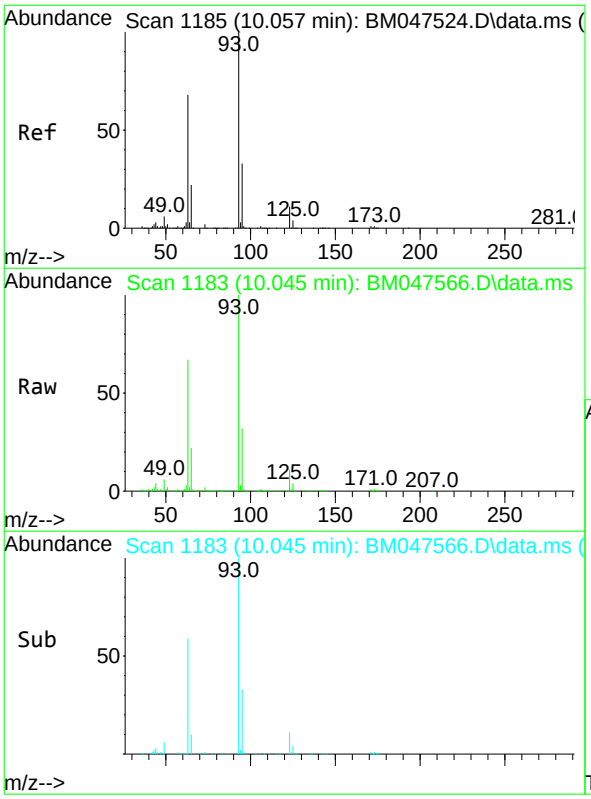
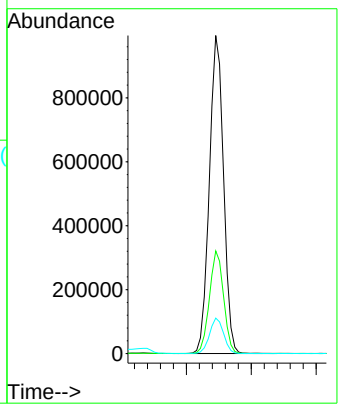
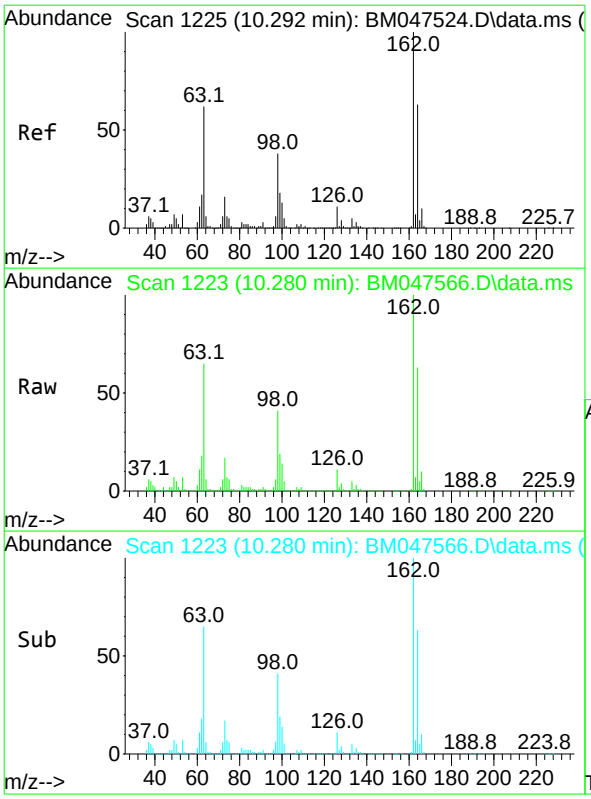


#28
bis(2-Chloroethoxy)methane
Concen: 40.891 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 93 Resp: 1510866

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	11.2	9.2	13.8

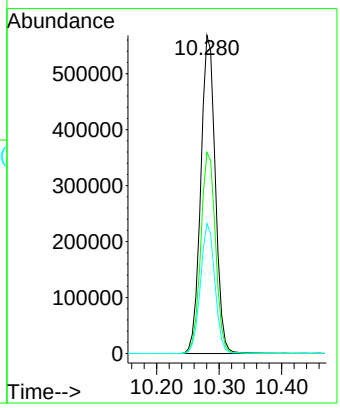




#29
2,4-Dichlorophenol
Concen: 40.760 ng
RT: 10.280 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:162 Resp: 919700

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.5	83.5
98	40.8	17.6	57.6



Instrument :
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ClientSampleId :
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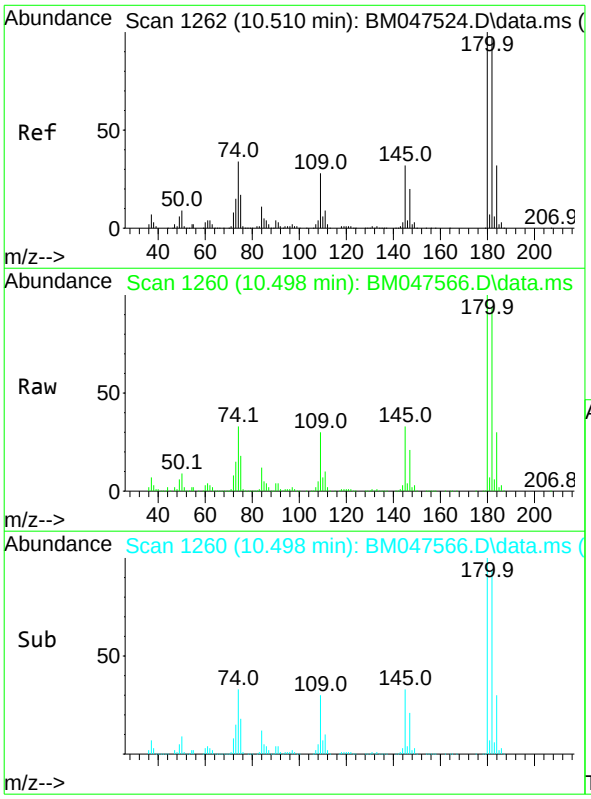
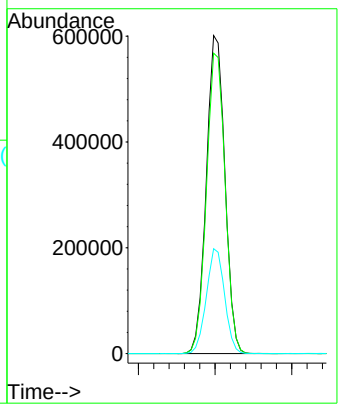
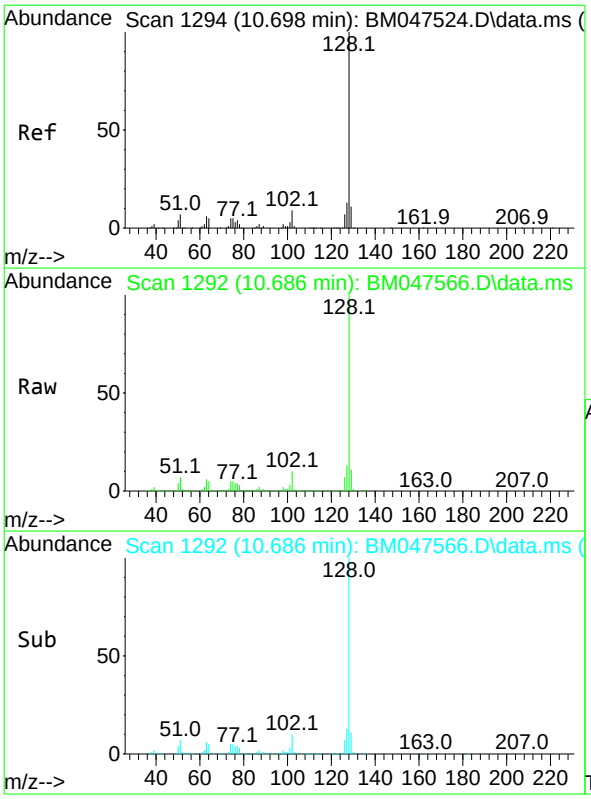


#30
1,2,4-Trichlorobenzene
Concen: 39.082 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:180 Resp: 1010125

Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.6	116.4
145	33.0	25.4	38.0





#31
Naphthalene
Concen: 39.178 ng
RT: 10.686 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:128 Resp: 3543113

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.0	10.5	15.7

Instrument :
BNA_M
ClientSampleId :
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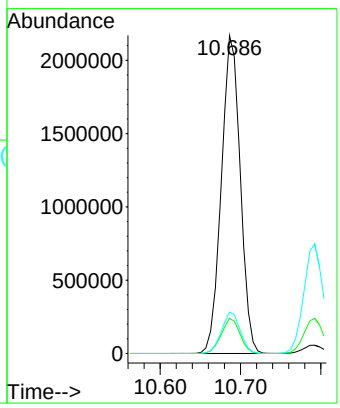
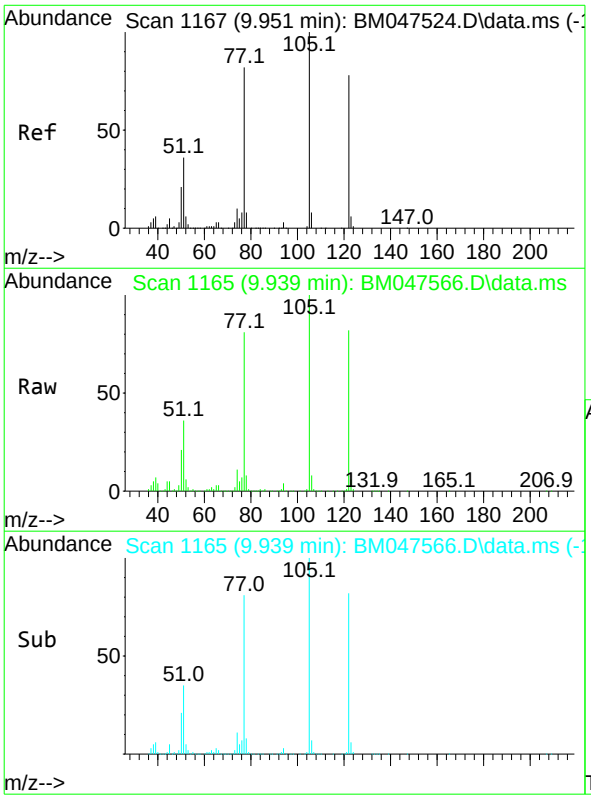
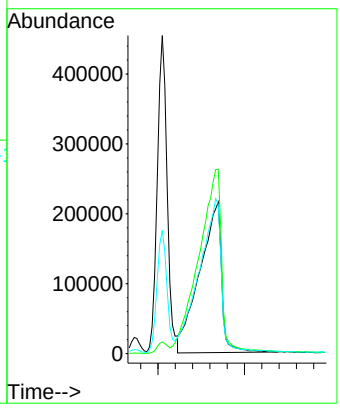


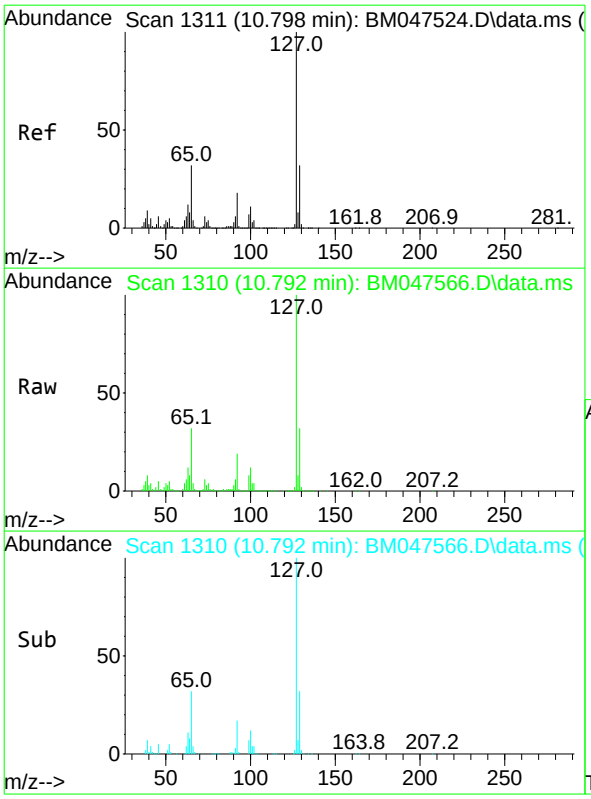


#32
Benzoic acid
Concen: 43.933 ng
RT: 9.939 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:122 Resp: 757607

Ion	Ratio	Lower	Upper
122	100		
105	121.6	104.7	144.7
77	98.6	83.4	123.4

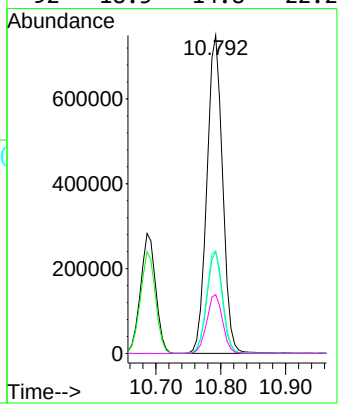




#33
4-Chloroaniline
Concen: 38.458 ng
RT: 10.792 min Scan# 13
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:127 Resp: 1257482

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.4	38.0
65	32.3	25.5	38.3
92	18.5	14.8	22.2



Instrument :
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ClientSampleId :
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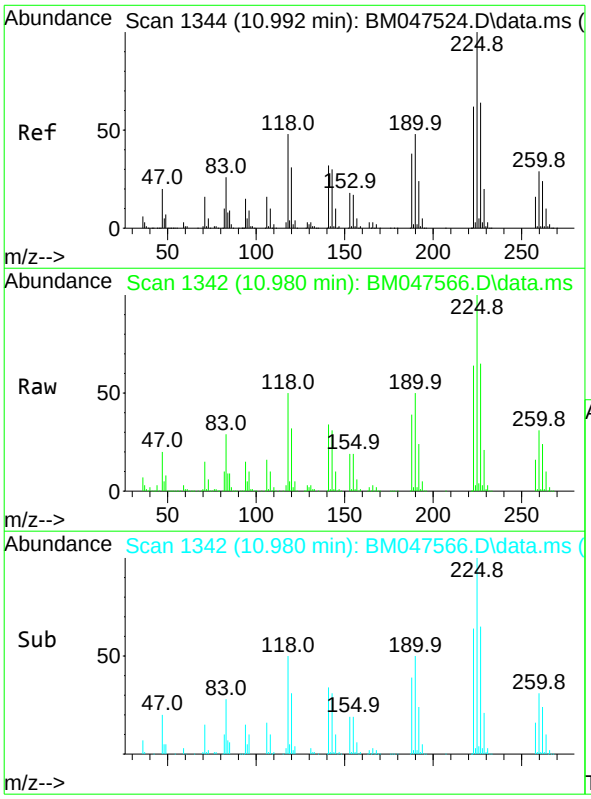
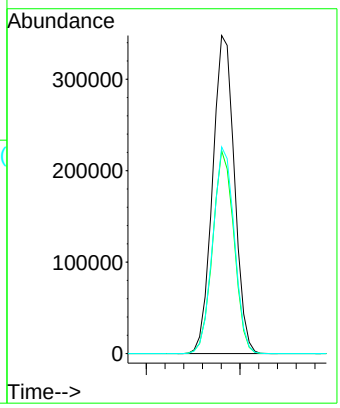
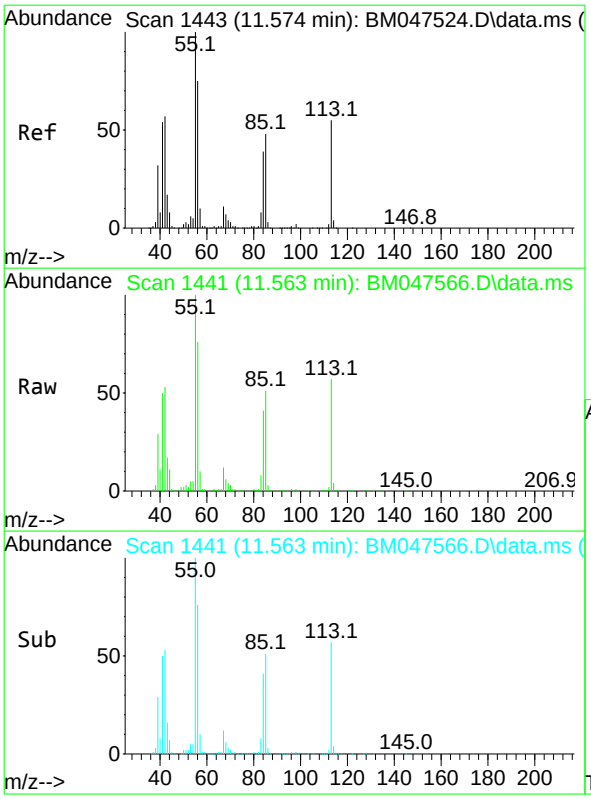


#34
Hexachlorobutadiene
Concen: 39.348 ng
RT: 10.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:225 Resp: 563307

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.8	74.6
227	65.0	51.0	76.4





#35
Caprolactam
Concen: 43.628 ng
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:113 Resp: 324237

Ion	Ratio	Lower	Upper
113	100		
55	175.0	162.5	202.5
56	133.0	116.5	156.5

Instrument :
BNA_M
ClientSampleId :
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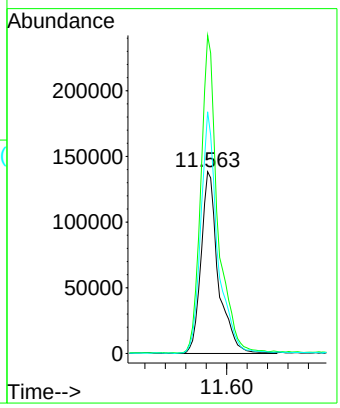
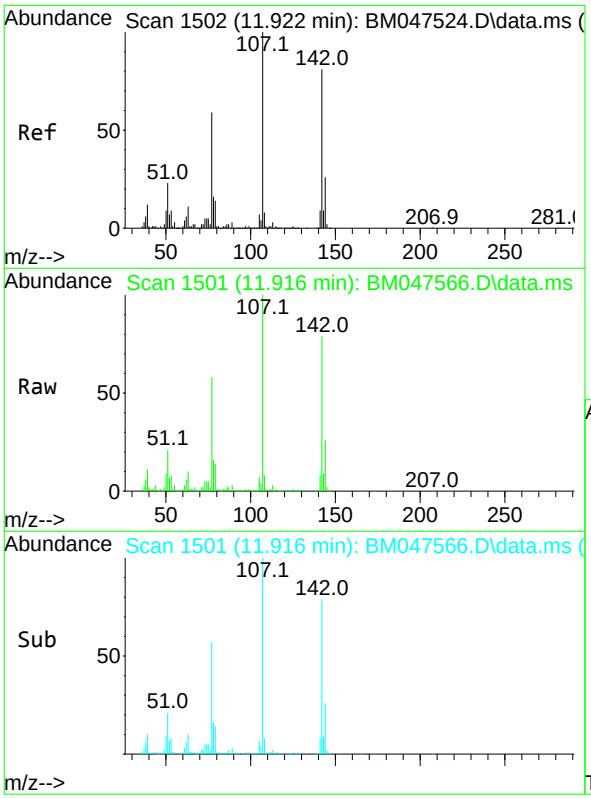
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

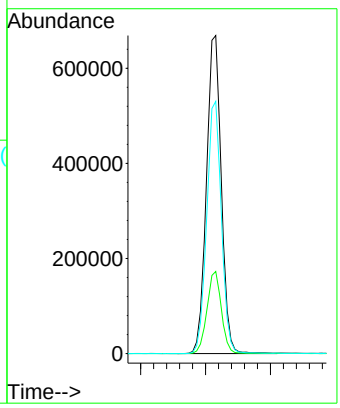


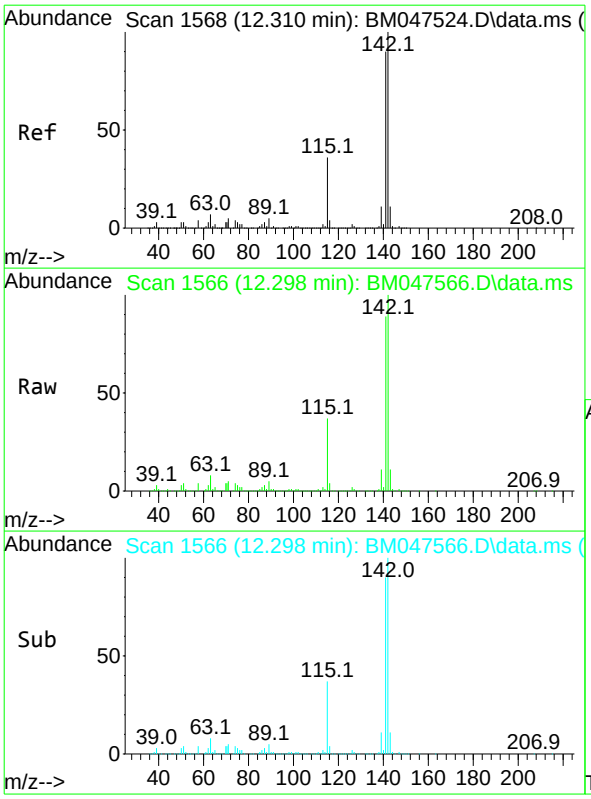


#36
4-Chloro-3-methylphenol
Concen: 41.032 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:107 Resp: 1061022

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	79.3	65.0	97.4

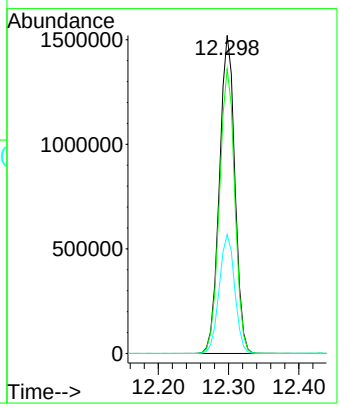




#37
2-Methylnaphthalene
Concen: 38.531 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:142 Resp: 2319196

Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.2	108.4
115	37.4	29.1	43.7



Instrument :
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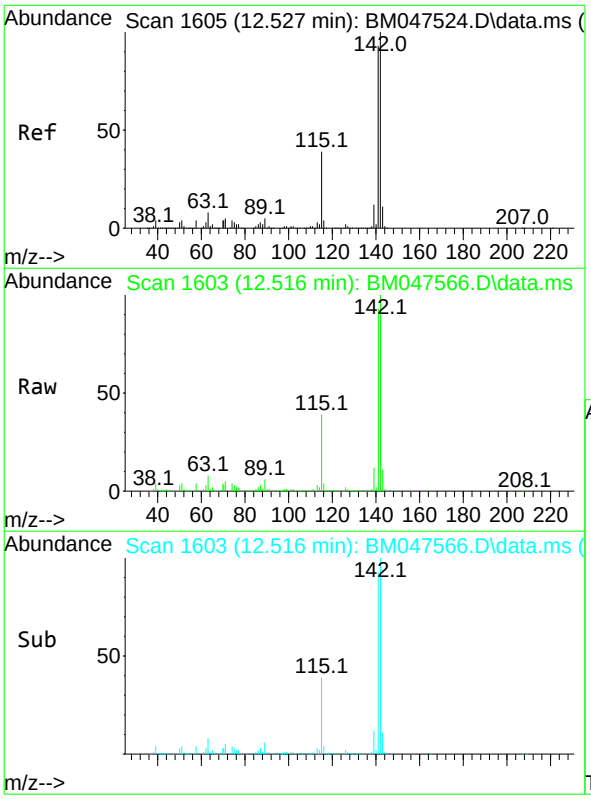
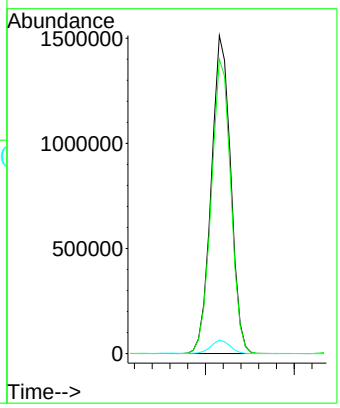
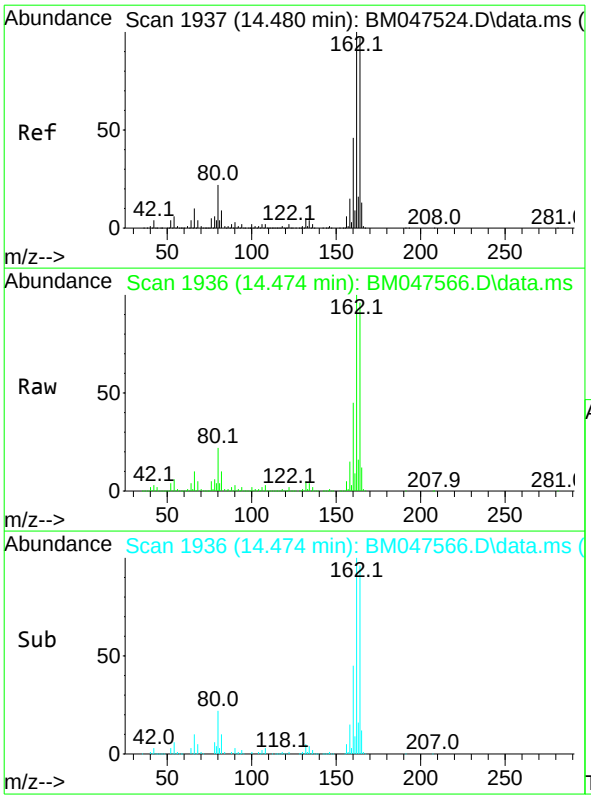


#38
1-Methylnaphthalene
Concen: 38.352 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:142 Resp: 2294073

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.3	3.2	4.8

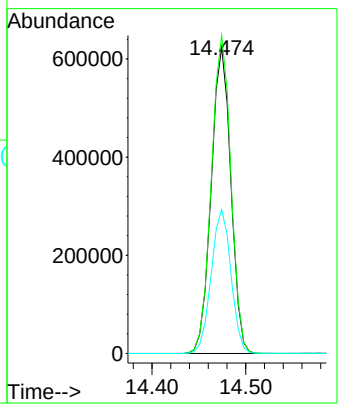




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:164 Resp: 905170

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	47.1	38.2	57.2



Instrument :
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ClientSampleId :
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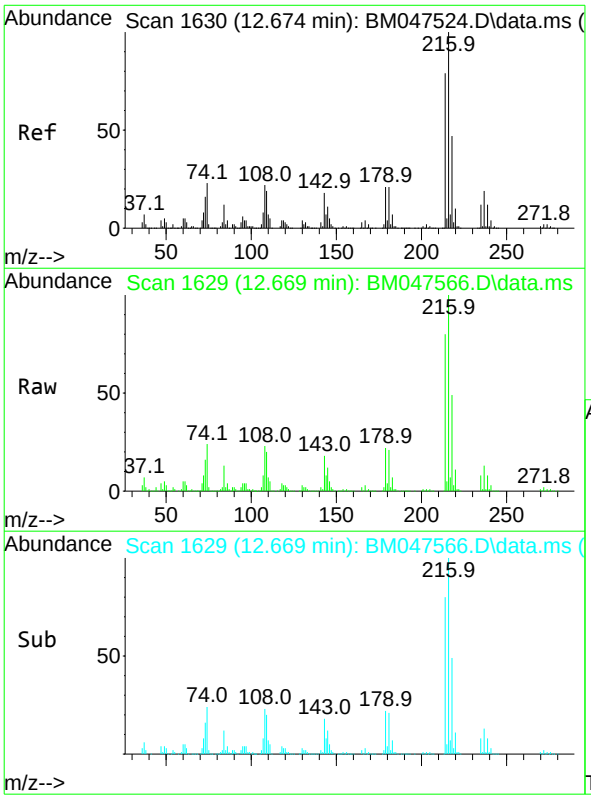
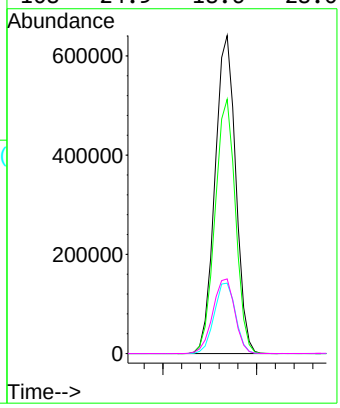
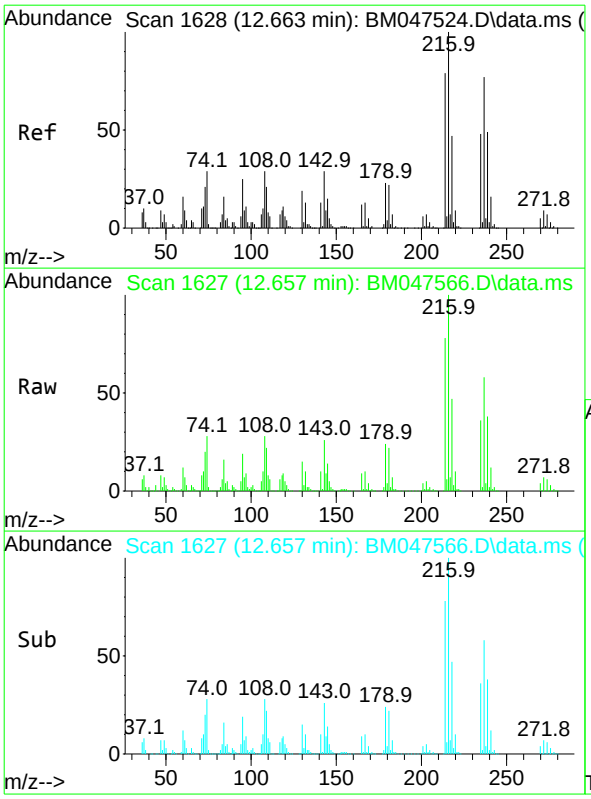


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.279 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:216 Resp: 986570

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	22.7	17.5	26.3
108	24.9	18.6	28.0

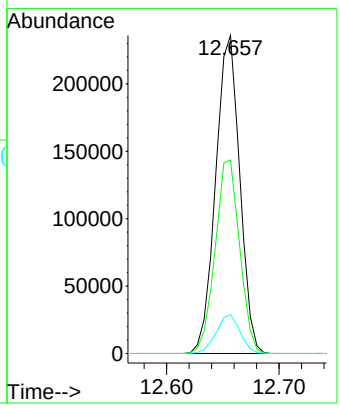




#41
Hexachlorocyclopentadiene
Concen: 43.840 ng
RT: 12.657 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:237 Resp: 351029

Ion	Ratio	Lower	Upper
237	100		
235	60.8	42.0	82.0
272	12.2	0.0	31.5



Instrument :
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ClientSampleId :
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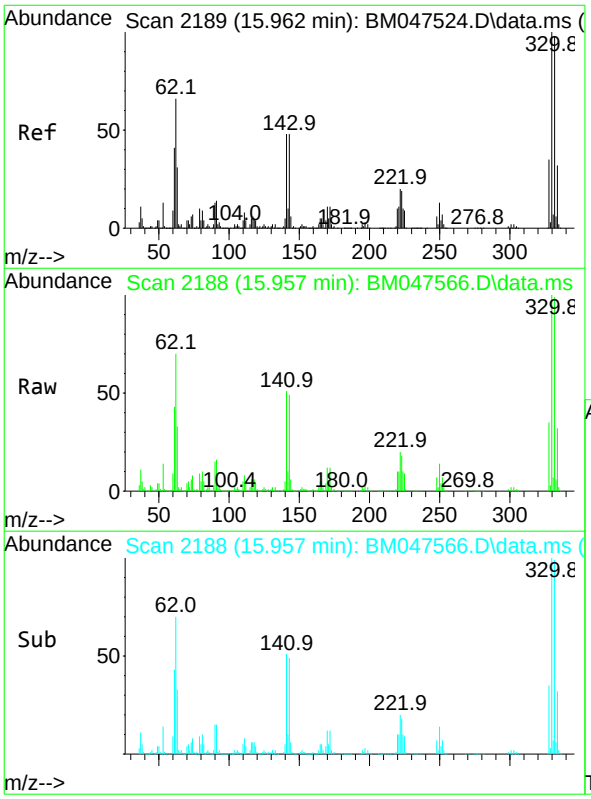
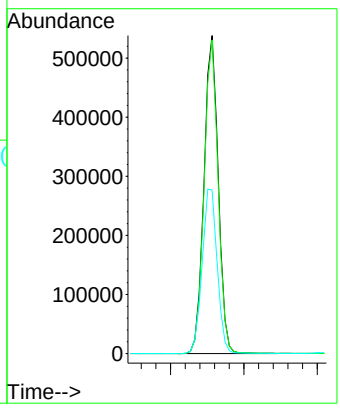
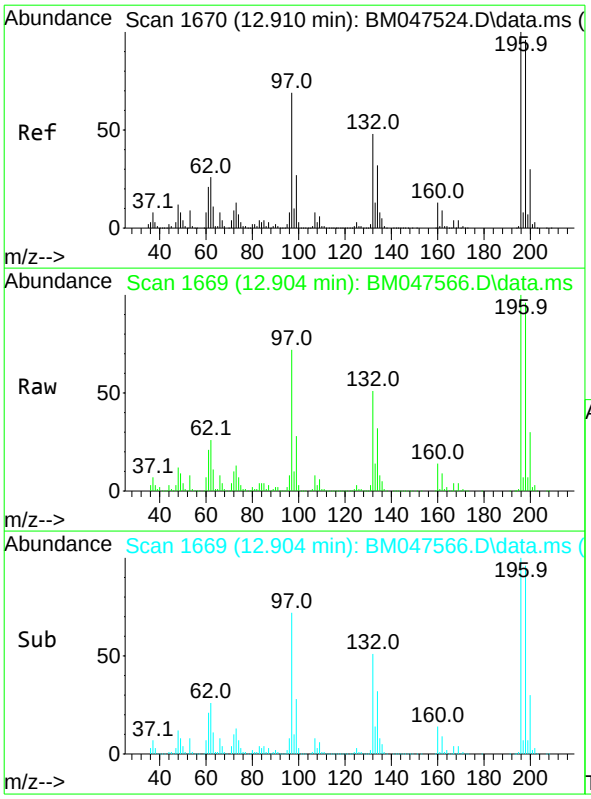


#42
2,4,6-Tribromophenol
Concen: 83.145 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:330 Resp: 727459

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	54.6	42.2	63.2

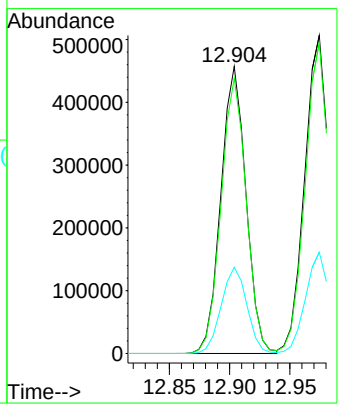




#43
2,4,6-Trichlorophenol
Concen: 43.230 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:196 Resp: 663369

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.9	115.3
200	30.0	24.3	36.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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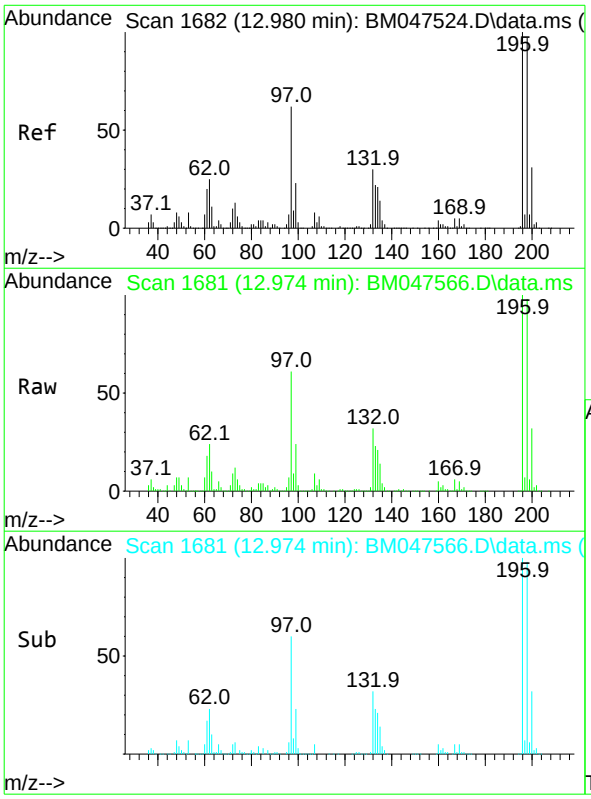
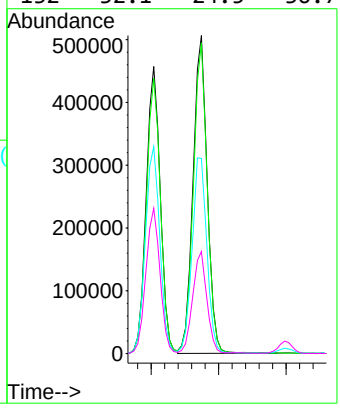
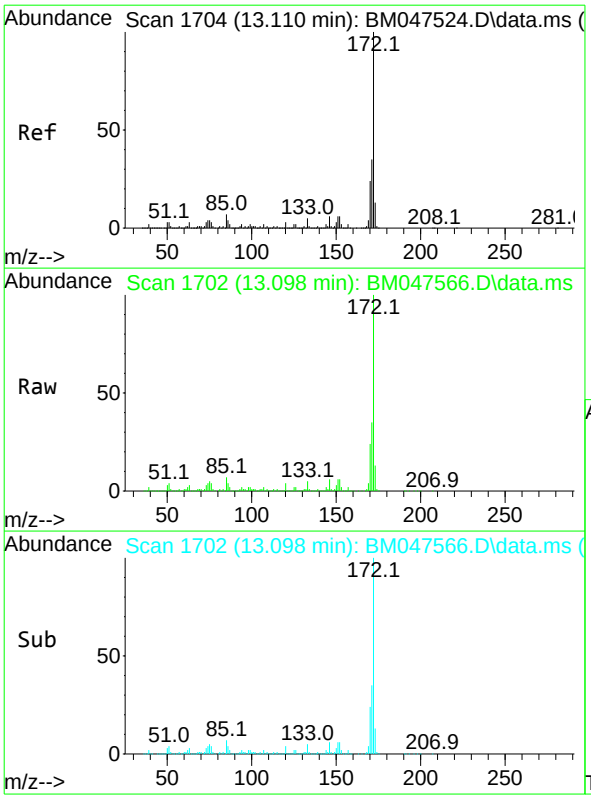


#44
2,4,5-Trichlorophenol
Concen: 42.523 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:196 Resp: 737007

Ion	Ratio	Lower	Upper
196	100		
198	97.7	77.4	116.2
97	61.4	49.8	74.8
132	32.1	24.5	36.7

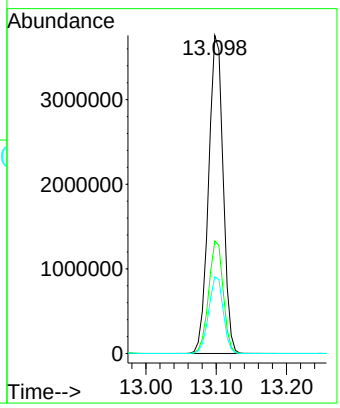




#45
2-Fluorobiphenyl
Concen: 82.051 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:172 Resp: 5391582

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	24.2	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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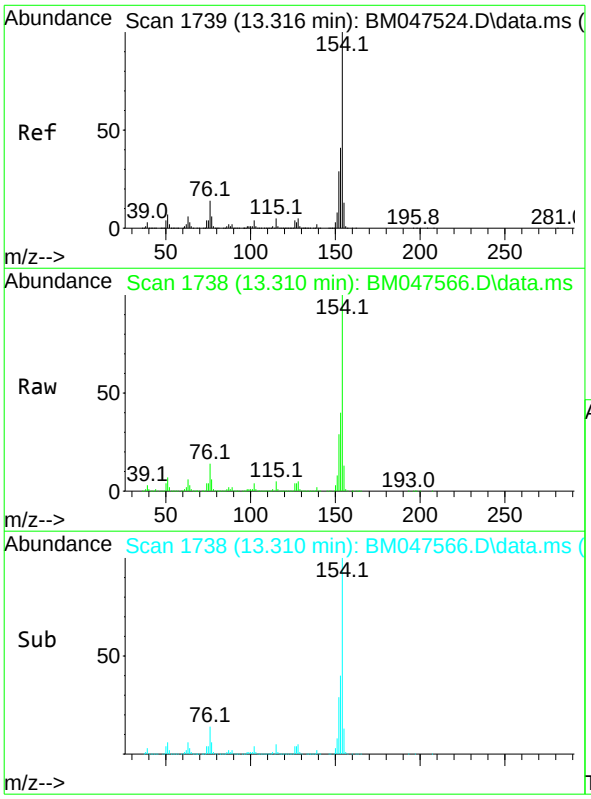
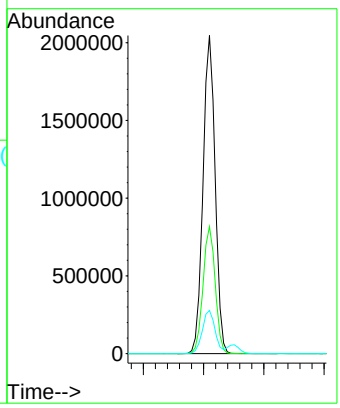
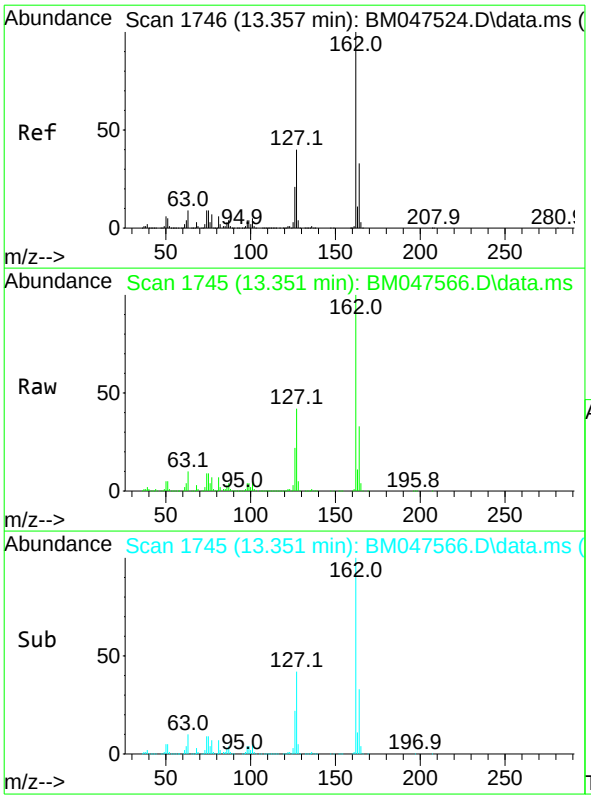


#46
1,1'-Biphenyl
Concen: 40.533 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:154 Resp: 2854654

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.6	60.6
76	13.6	0.0	33.9

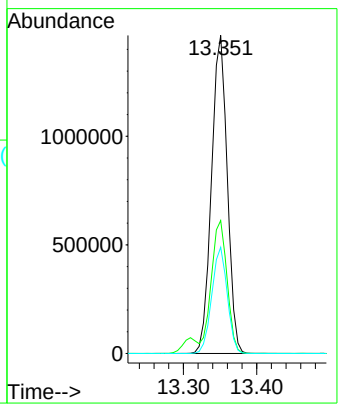




#47
2-Chloronaphthalene
Concen: 39.928 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:162 Resp: 2183481

Ion	Ratio	Lower	Upper
162	100		
127	41.8	32.2	48.4
164	33.4	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
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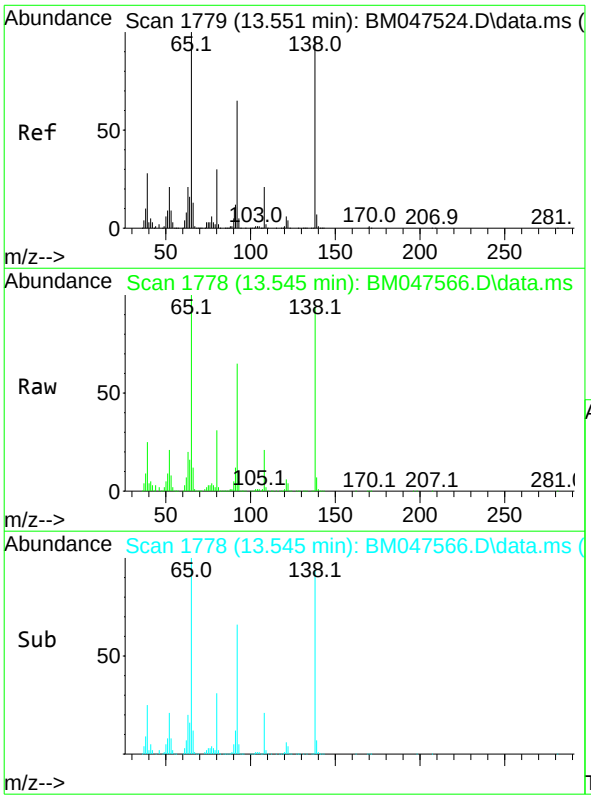
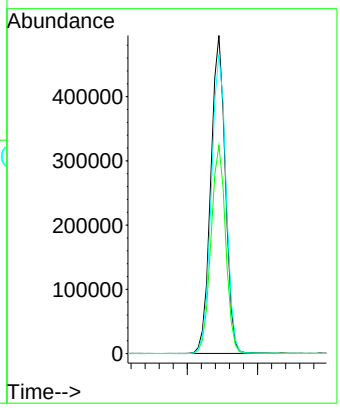
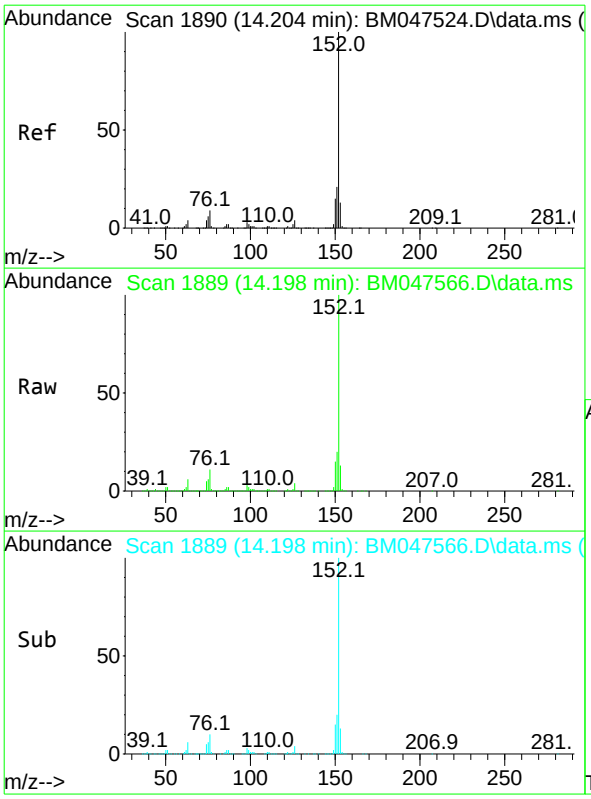


#48
2-Nitroaniline
Concen: 44.296 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 65 Resp: 711483

Ion	Ratio	Lower	Upper
65	100		
92	65.5	51.9	77.9
138	94.0	78.5	117.7





#49
Acenaphthylene
Concen: 40.512 ng
RT: 14.198 min Scan# 18
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 3196953

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7
153	13.1	10.4	15.6

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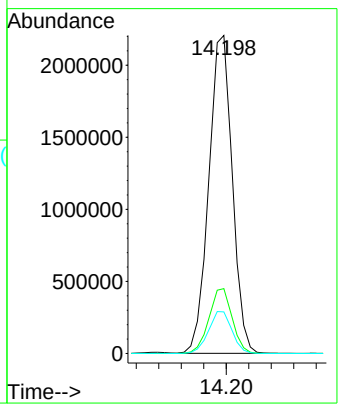
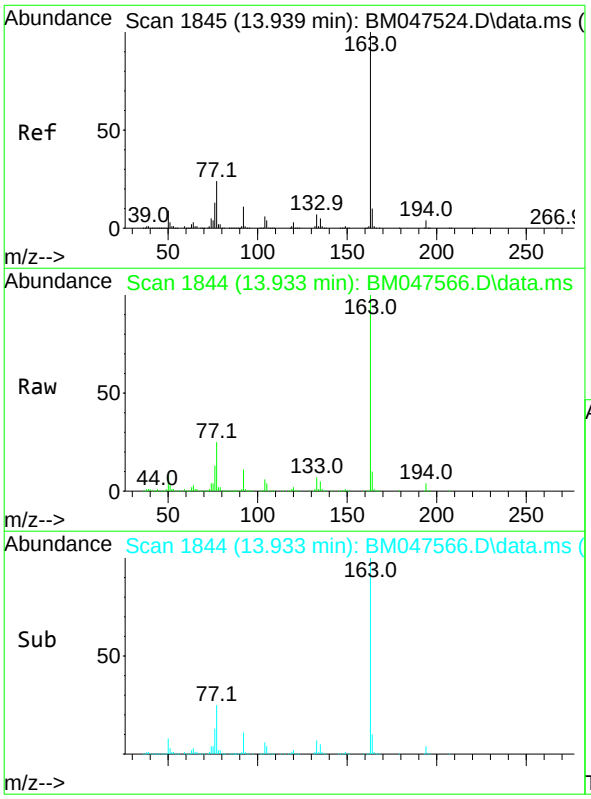
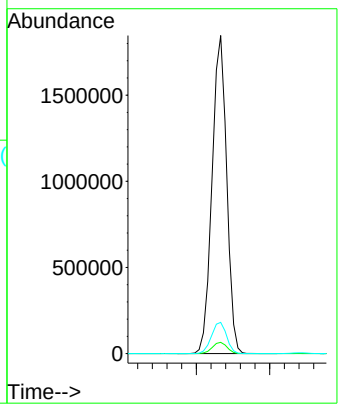


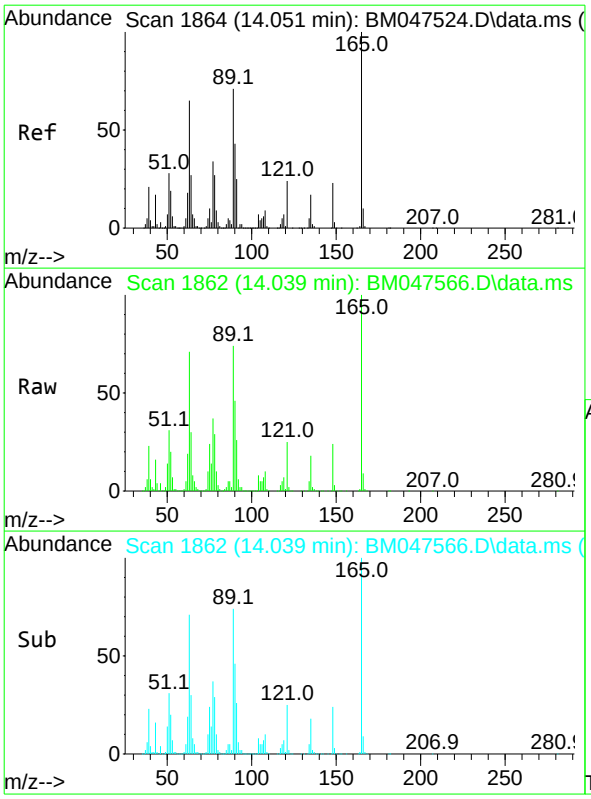


#50
Dimethylphthalate
Concen: 41.425 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:163 Resp: 2555716

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	9.8	7.9	11.9

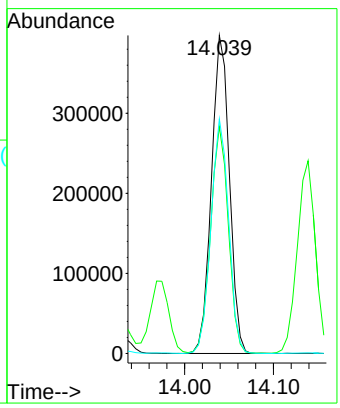




#51
2,6-Dinitrotoluene
Concen: 42.810 ng
RT: 14.039 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:165 Resp: 557553

Ion	Ratio	Lower	Upper
165	100		
63	71.3	54.2	81.2
89	73.8	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
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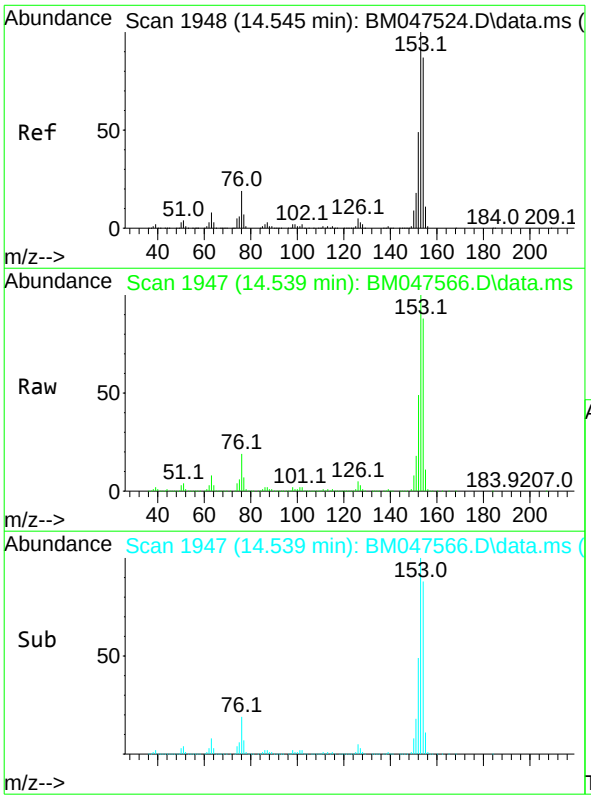
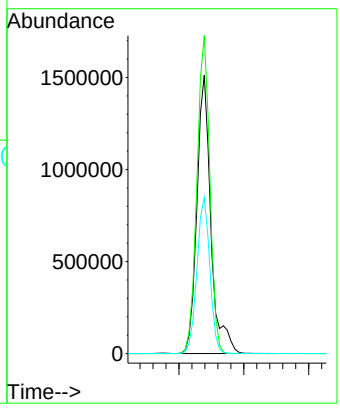
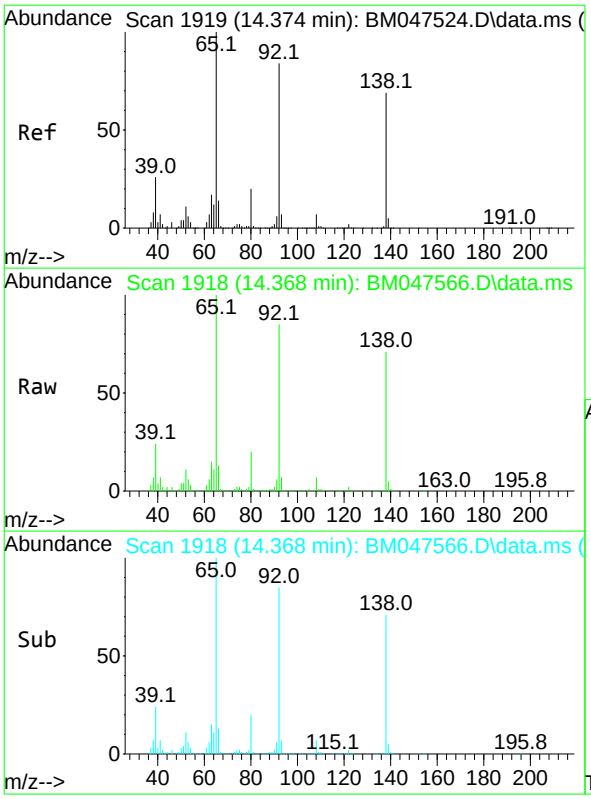


#52
Acenaphthene
Concen: 40.913 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:154 Resp: 2262183

Ion	Ratio	Lower	Upper
154	100		
153	114.2	92.2	138.2
152	56.0	45.4	68.0





#53
3-Nitroaniline
Concen: 43.417 ng
RT: 14.368 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:138 Resp: 628518

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.0	12.0
92	120.6	97.4	146.0

Instrument :
BNA_M
ClientSampleId :
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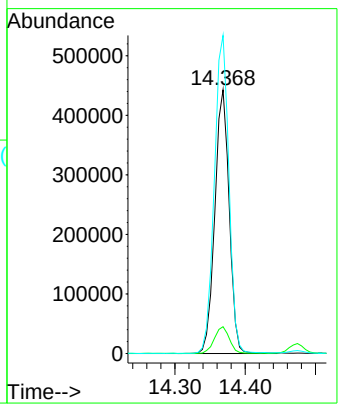
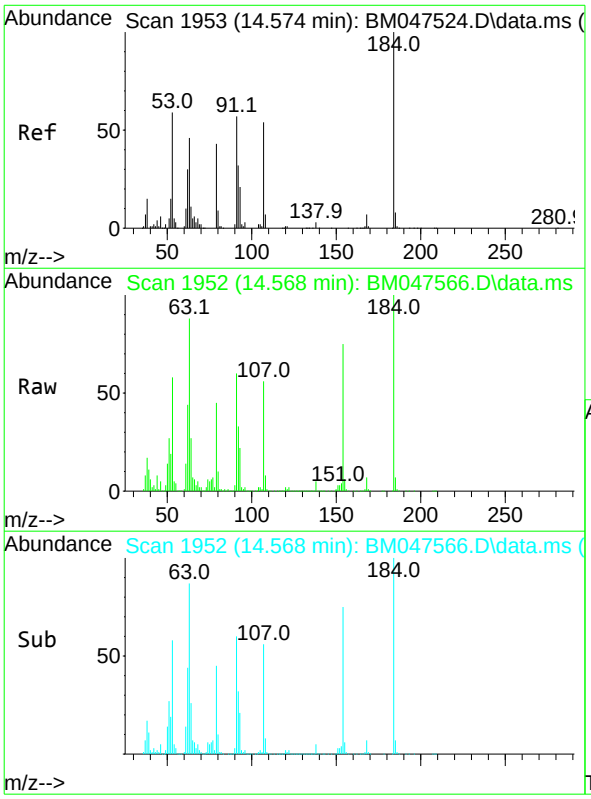
Supervised By :mohammad ahmed 09/22/2024

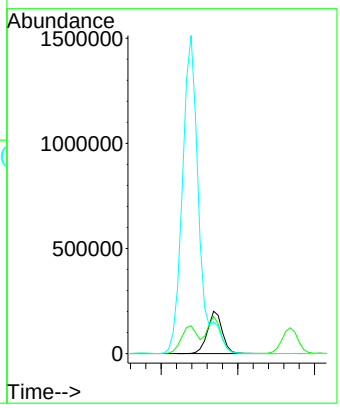


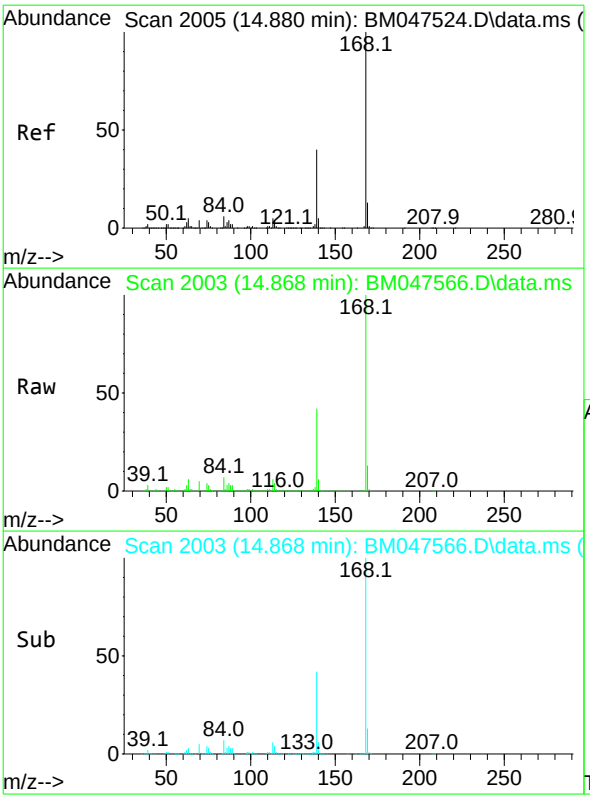


#54
2,4-Dinitrophenol
Concen: 45.515 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:184 Resp: 269954

Ion	Ratio	Lower	Upper
184	100		
63	87.7	69.4	104.0
154	75.2	60.4	90.6

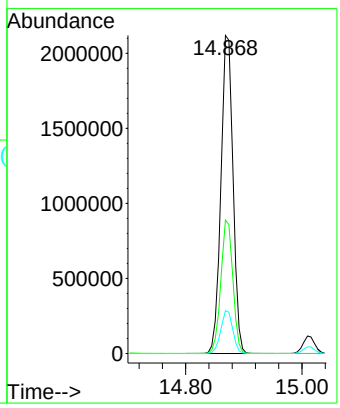




#55
Dibenzofuran
Concen: 39.385 ng
RT: 14.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:168 Resp: 3060184

Ion	Ratio	Lower	Upper
168	100		
139	41.9	31.9	47.9
169	13.5	10.5	15.7



Instrument :
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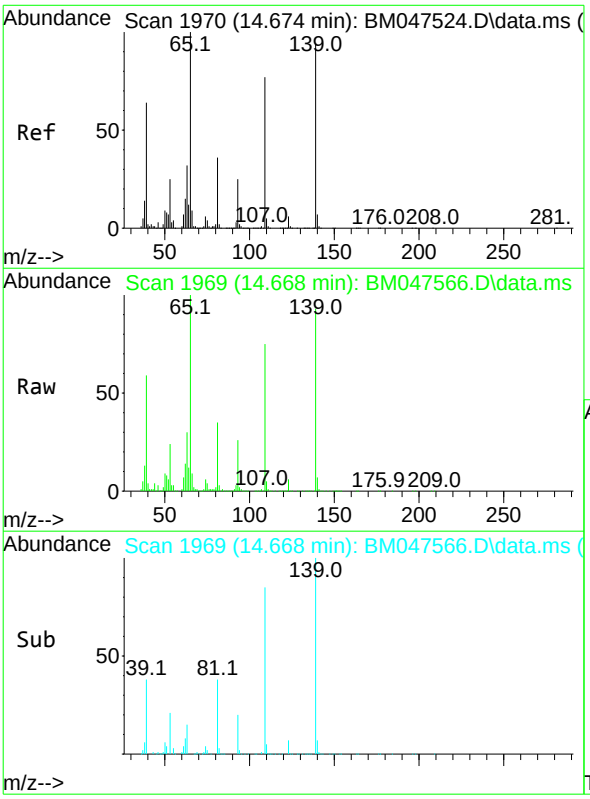
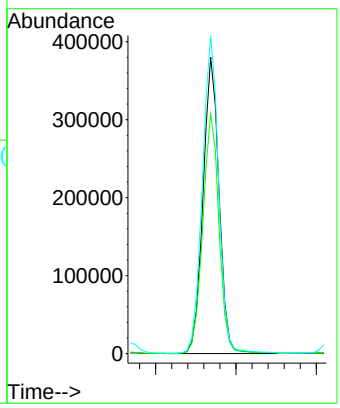
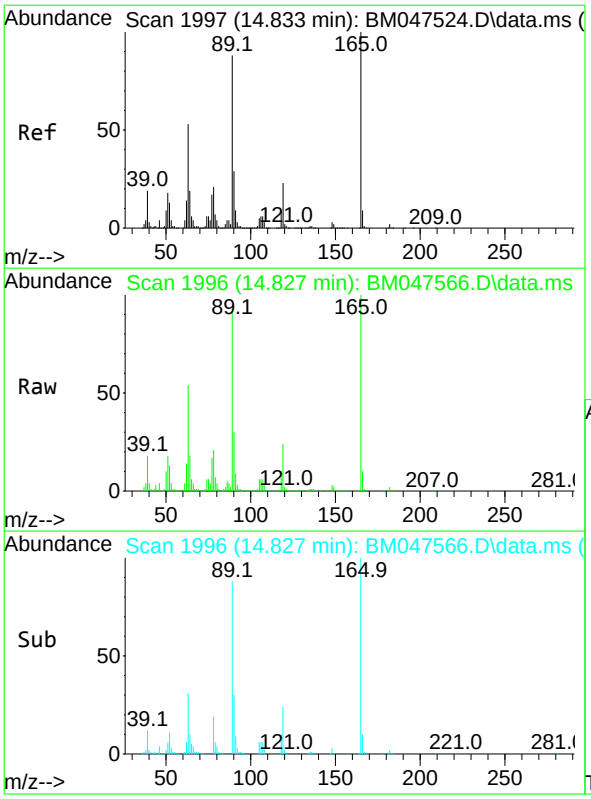


#56
4-Nitrophenol
Concen: 44.188 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:139 Resp: 526372

Ion	Ratio	Lower	Upper
139	100		
109	80.8	62.0	102.0
65	107.3	87.0	127.0

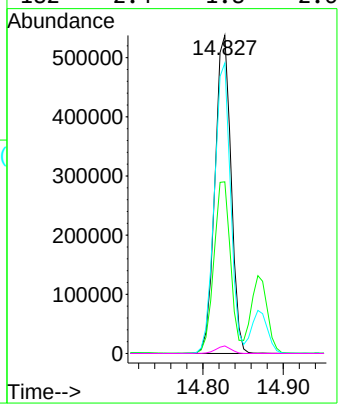




#57
2,4-Dinitrotoluene
Concen: 43.073 ng
RT: 14.827 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:165 Resp: 748179

Ion	Ratio	Lower	Upper
165	100		
63	54.0	42.4	63.6
89	91.3	70.5	105.7
182	2.4	1.8	2.6



Instrument :
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ClientSampleId :
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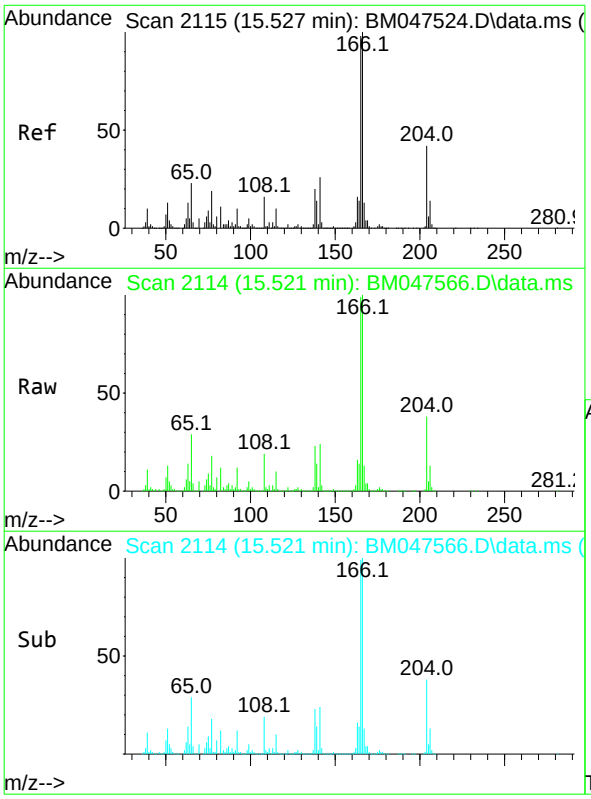
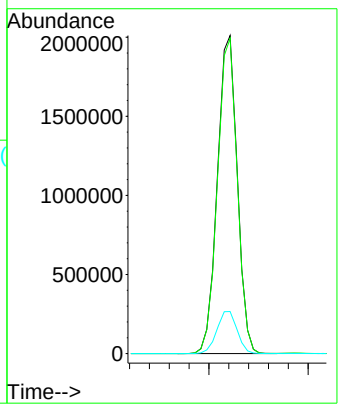
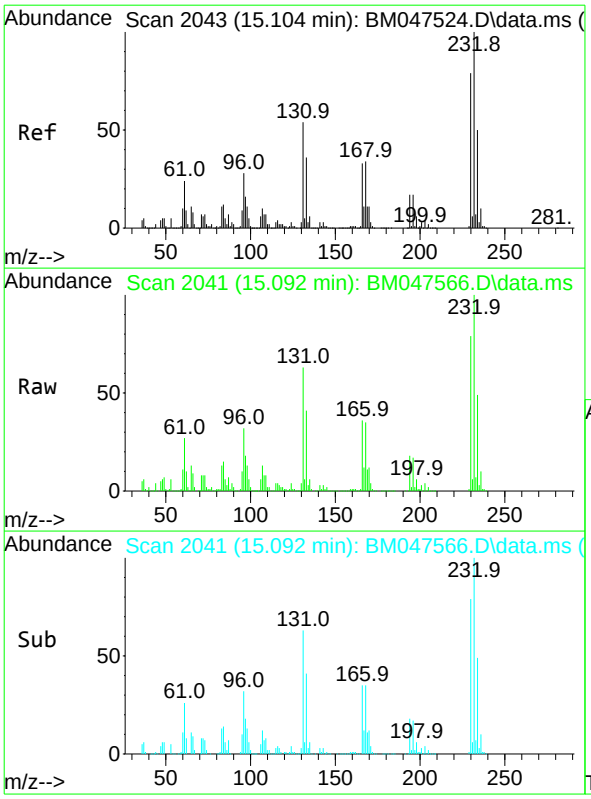


#58
Fluorene
Concen: 39.999 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:166 Resp: 2798113

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.6	117.8
167	13.2	10.7	16.1

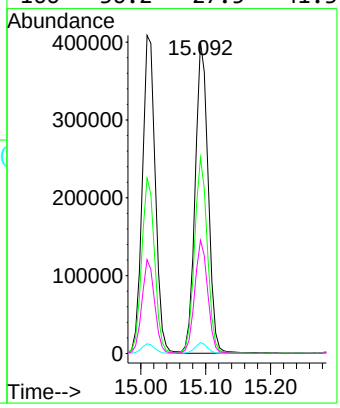




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.149 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:232 Resp: 556061

Ion	Ratio	Lower	Upper
232	100		
131	62.3	47.0	70.4
130	3.4	2.6	3.8
166	36.2	27.5	41.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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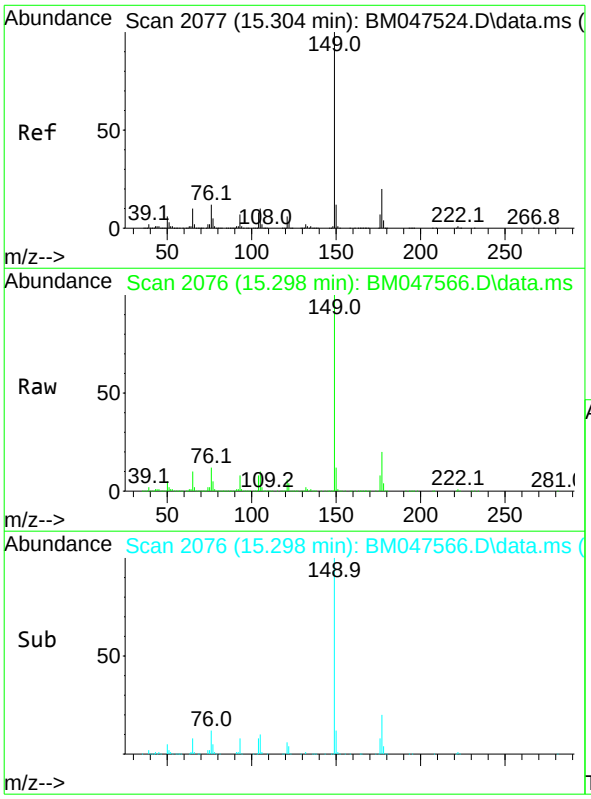
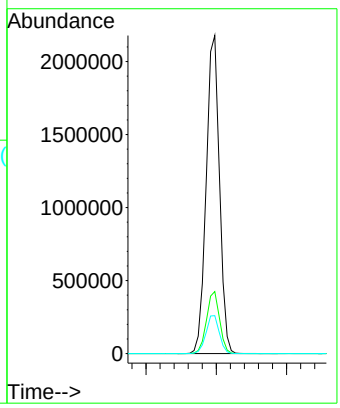
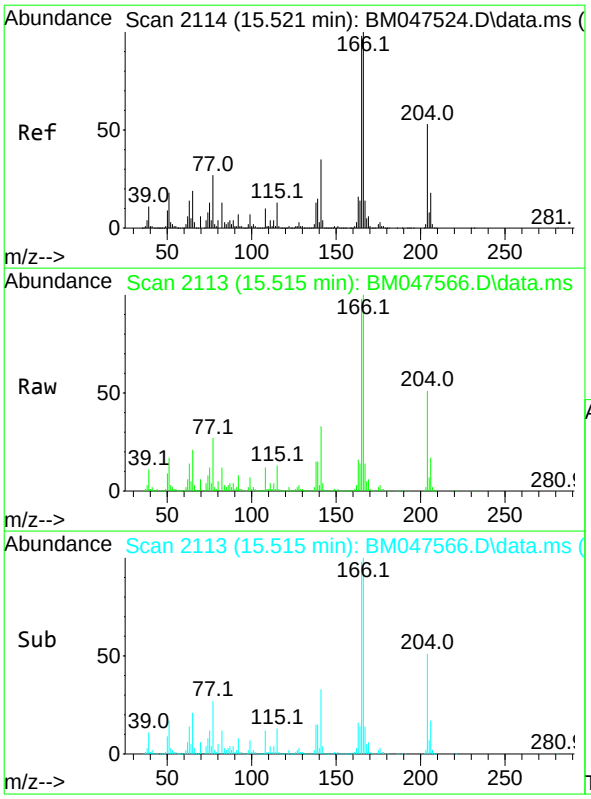


#60
Diethylphthalate
Concen: 43.320 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 2844419

Ion	Ratio	Lower	Upper
149	100		
177	19.5	15.8	23.8
150	11.9	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 39.419 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:204 Resp: 1260842

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	65.5	52.1	78.1

Instrument :
BNA_M
ClientSampleId :
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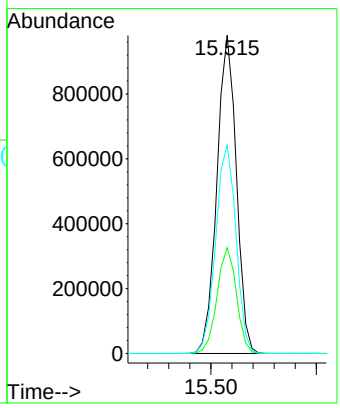
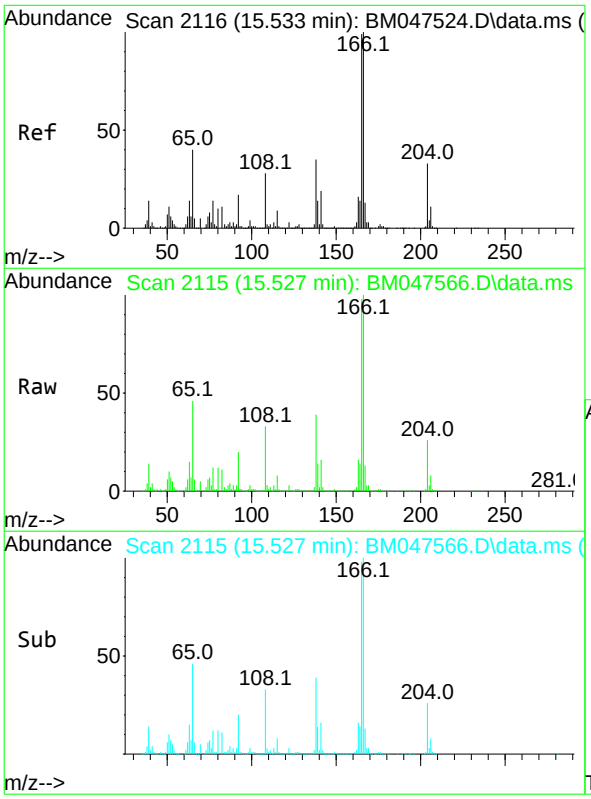
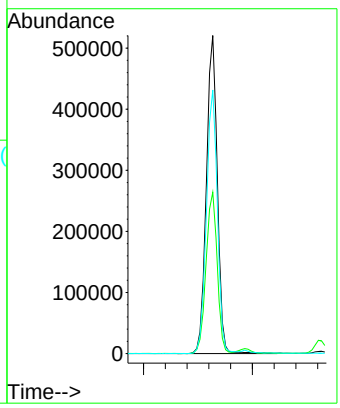


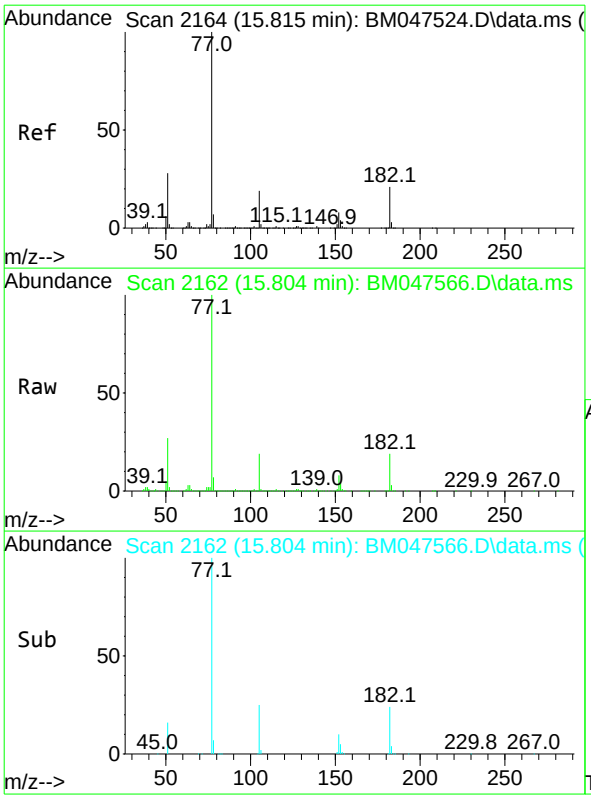


#62
4-Nitroaniline
Concen: 42.836 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:138 Resp: 728904

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.0	70.0
108	82.9	61.7	101.7

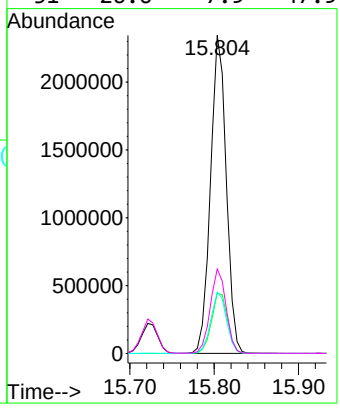




#63
Azobenzene
Concen: 41.953 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 77 Resp: 3033161

Ion	Ratio	Lower	Upper
77	100		
182	19.0	1.2	41.2
105	19.3	0.0	39.4
51	26.6	7.9	47.9



Instrument :
BNA_M
ClientSampleId :
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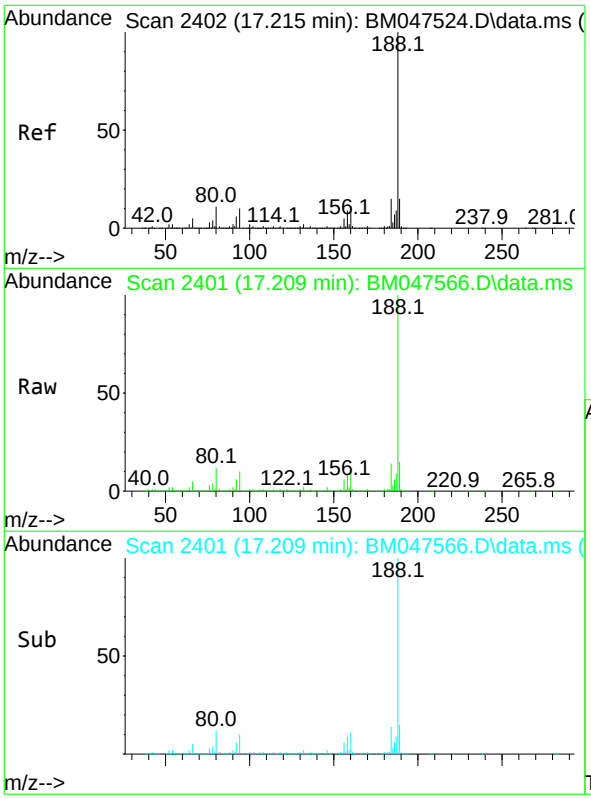
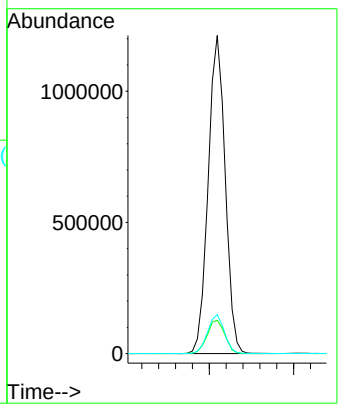
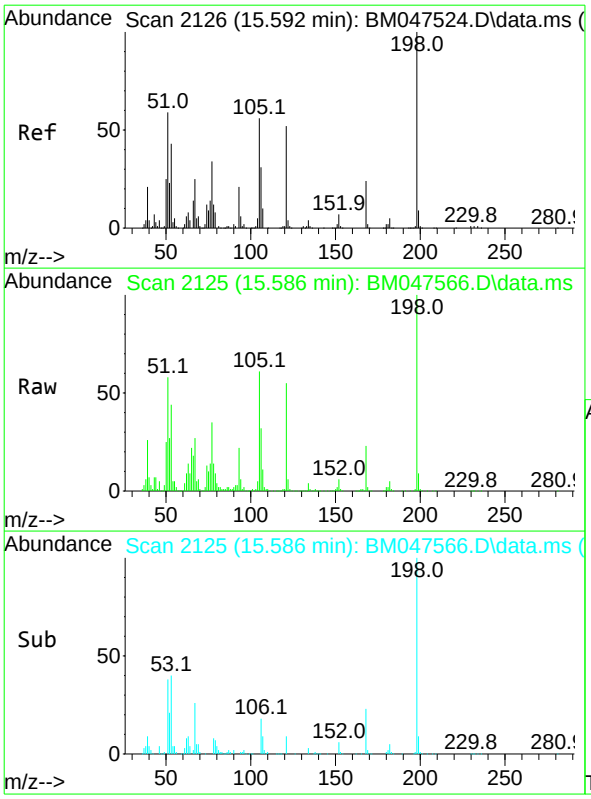


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:188 Resp: 1699865

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.4	12.6
80	12.2	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 41.931 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:198 Resp: 353810

Ion	Ratio	Lower	Upper
198	100		
51	58.4	41.5	81.5
105	60.5	36.4	76.4

Instrument :
BNA_M
ClientSampleId :
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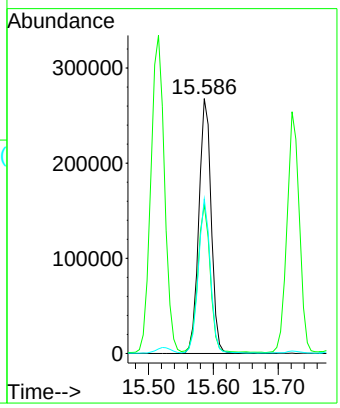
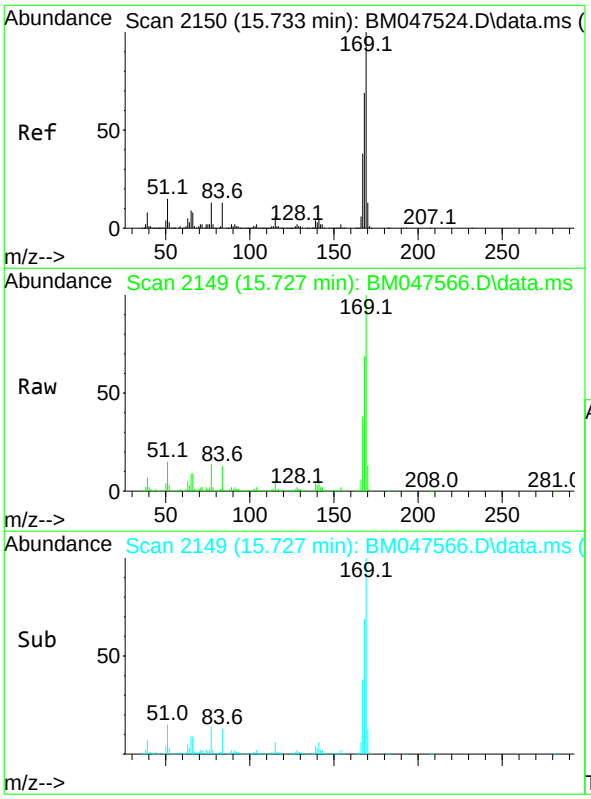
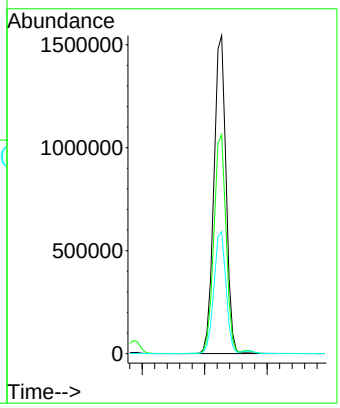


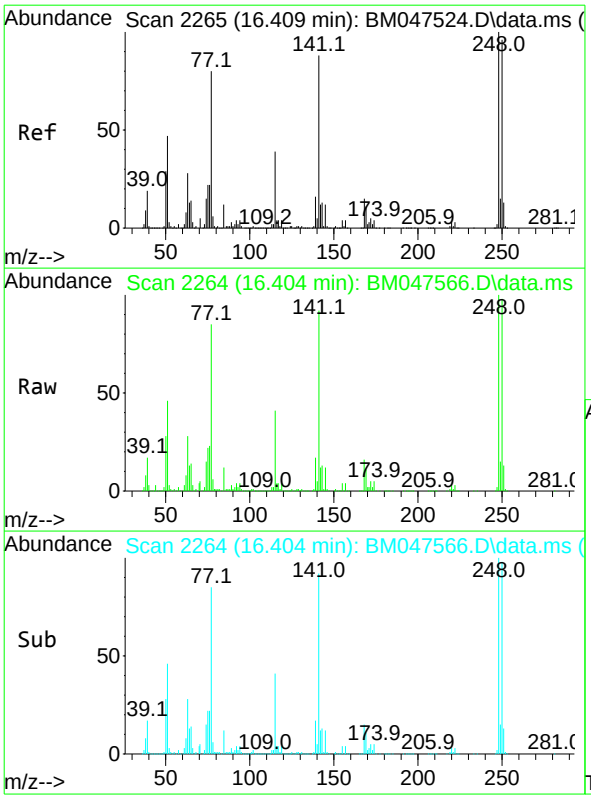


#66
n-Nitrosodiphenylamine
Concen: 40.138 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:169 Resp: 2087242

Ion	Ratio	Lower	Upper
169	100		
168	68.8	55.3	82.9
167	38.3	30.5	45.7





#67
4-Bromophenyl-phenylether
Concen: 39.463 ng
RT: 16.404 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:248 Resp: 651816

Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.9	115.3
141	91.8	70.8	106.2

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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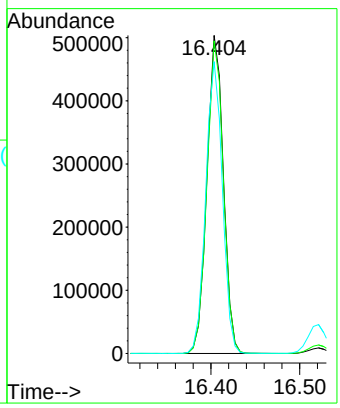
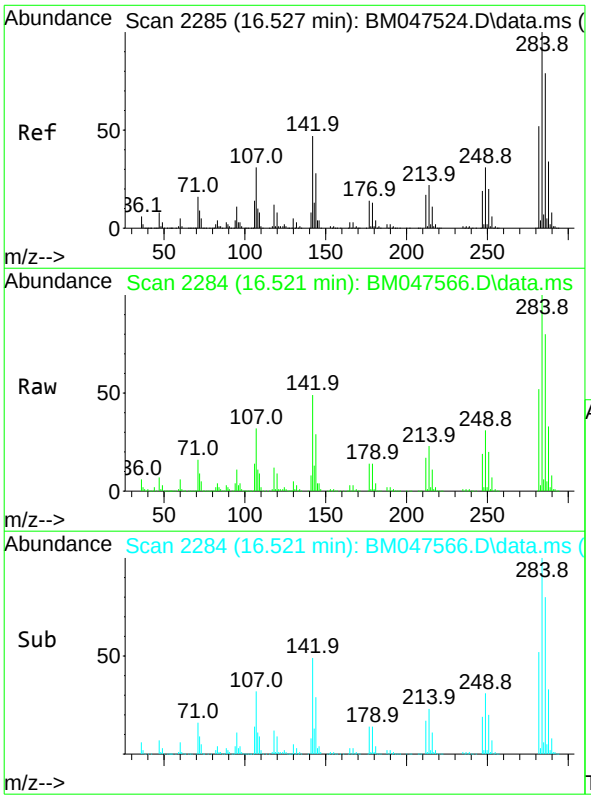
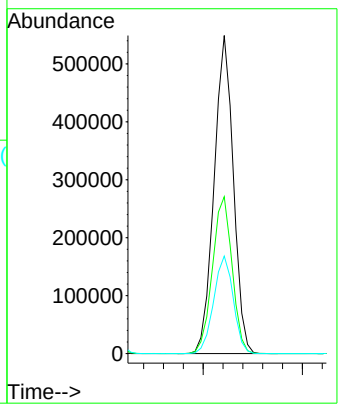


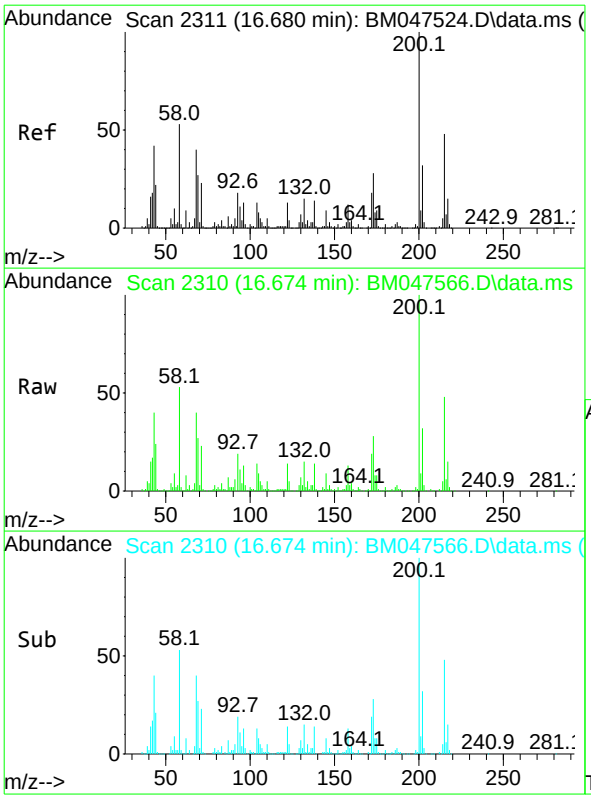


#68
Hexachlorobenzene
Concen: 39.554 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:284 Resp: 740115

Ion	Ratio	Lower	Upper
284	100		
142	49.3	37.3	55.9
249	30.7	24.5	36.7

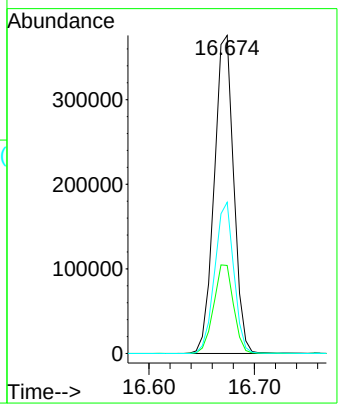




#69
Atrazine
Concen: 33.602 ng
RT: 16.674 min Scan# 23
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:200 Resp: 482956

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.7	47.7
215	47.5	27.9	67.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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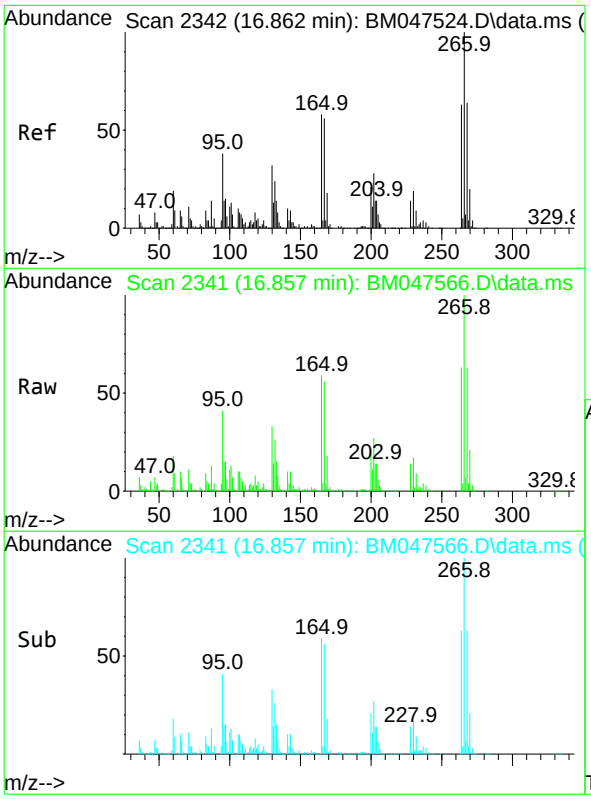
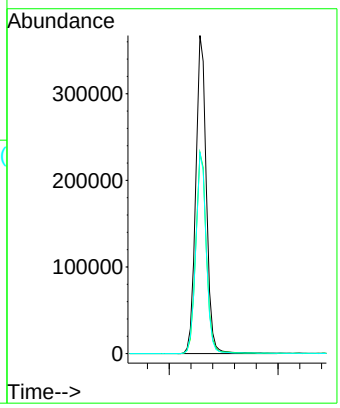
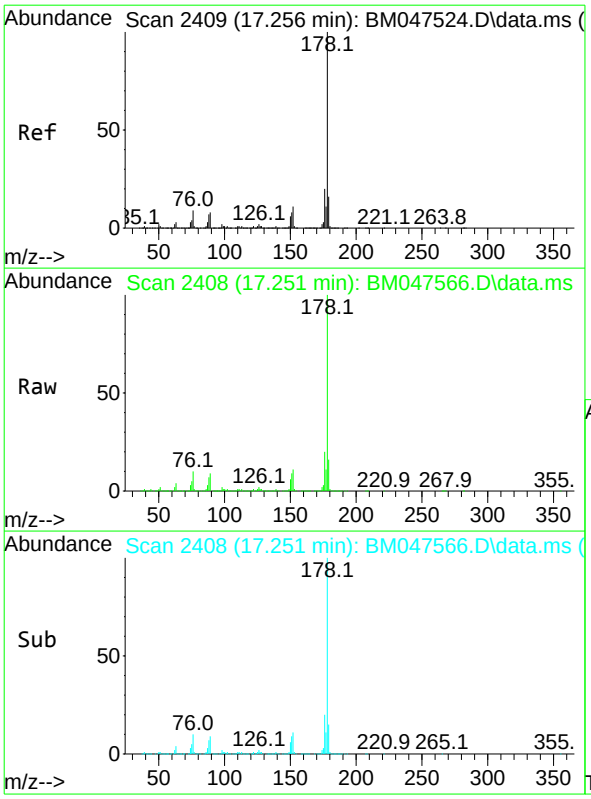


#70
Pentachlorophenol
Concen: 45.647 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:266 Resp: 495121

Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.0	76.4
264	63.1	50.4	75.6

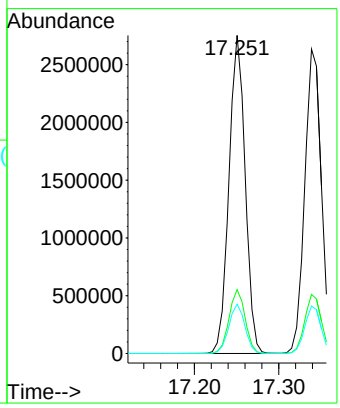




#71
Phenanthrene
Concen: 39.274 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:178 Resp: 3679120

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.0	24.0
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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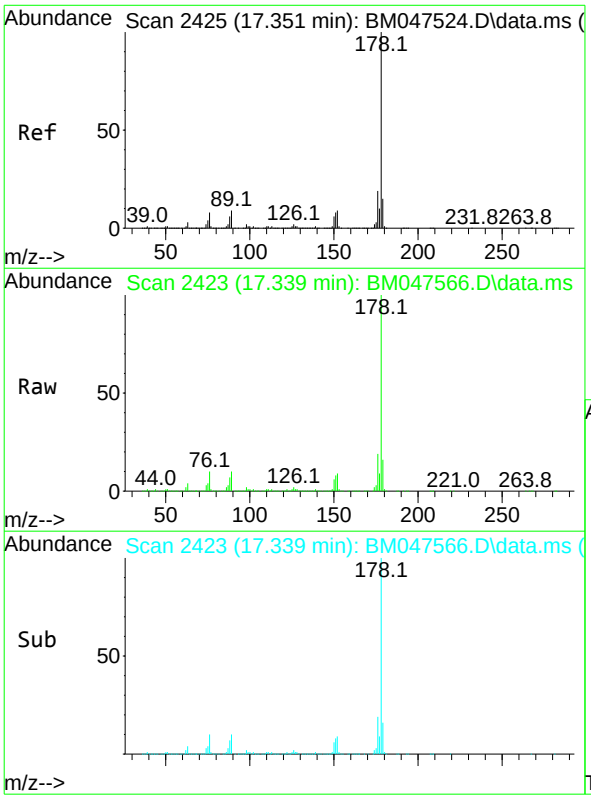
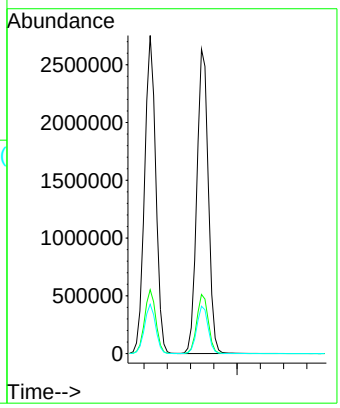
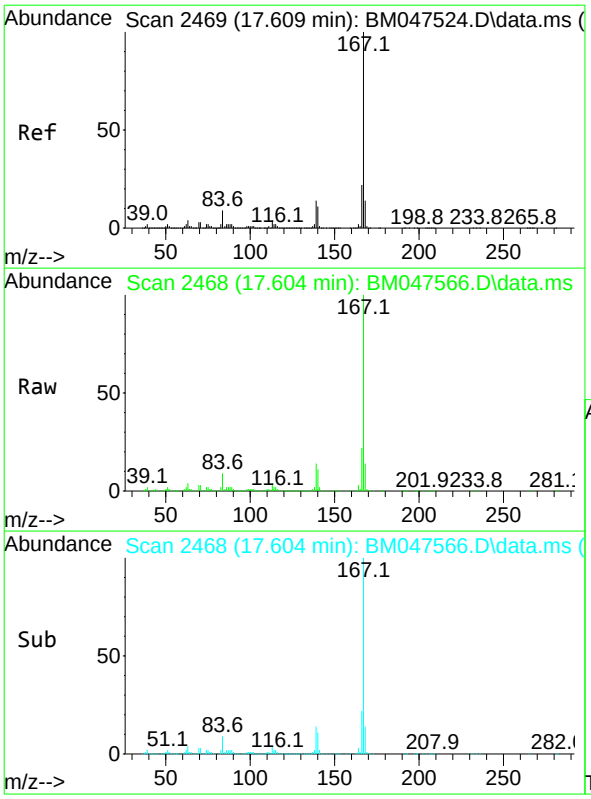


#72
Anthracene
Concen: 39.996 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:178 Resp: 3599776

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.3	18.5

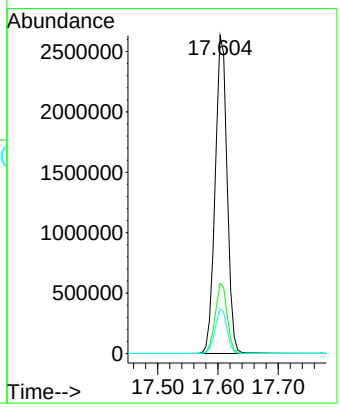




#73
Carbazole
Concen: 40.624 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:167 Resp: 3623444

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	14.0	11.0	16.6



Instrument :
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ClientSampleId :
SSTDCCC040

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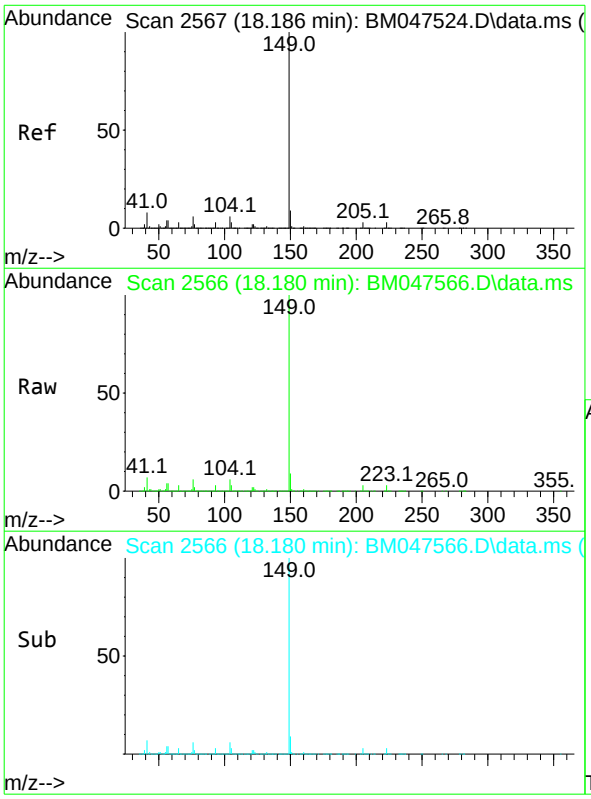
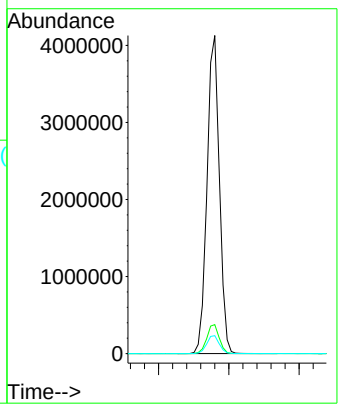
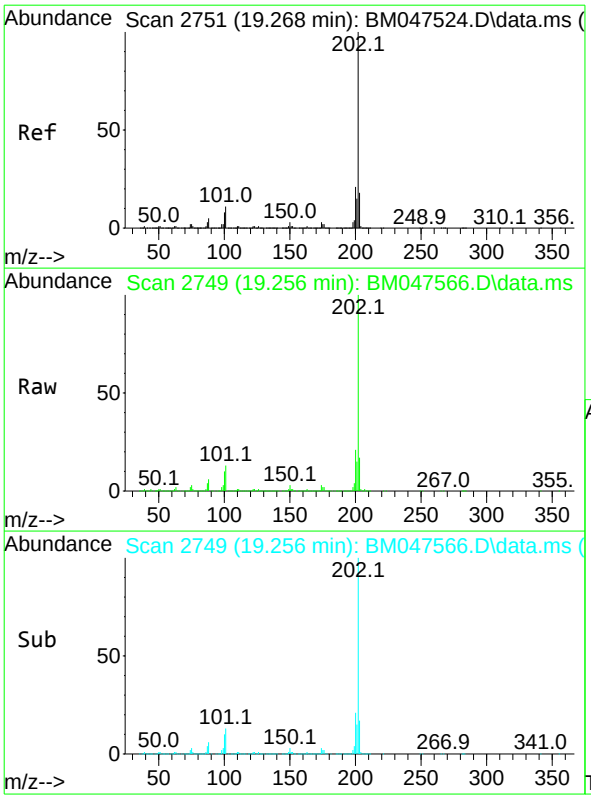


#74
Di-n-butylphthalate
Concen: 47.117 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 5028415

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.6	4.6	6.8

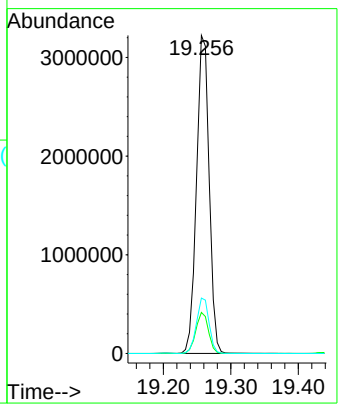




#75
Fluoranthene
Concen: 40.964 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:202 Resp: 4186947

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	30.8
203	17.4	0.0	37.7



Instrument :
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ClientSampleId :
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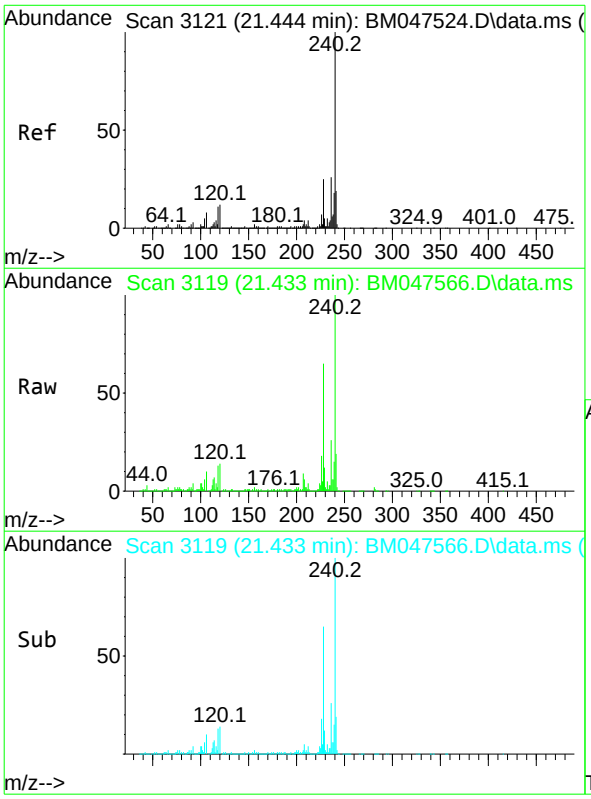
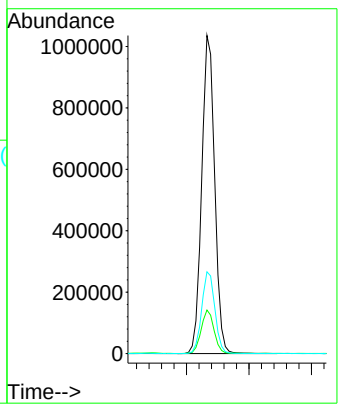
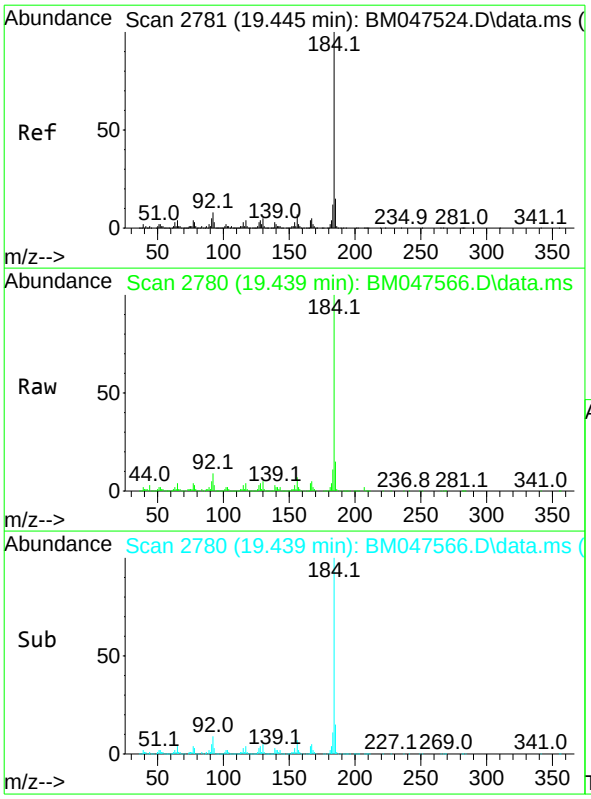


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:240 Resp: 1491886

Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.6	14.4
236	25.7	20.9	31.3

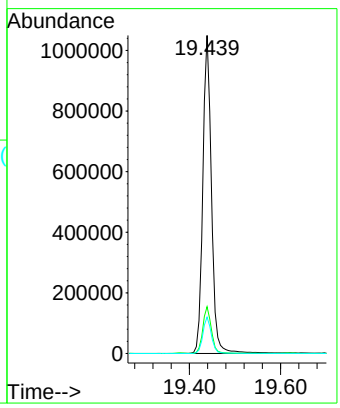




#77
Benzidine
Concen: 65.820 ng
RT: 19.439 min Scan# 27
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:184 Resp: 1382959

Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.2	18.2
183	11.4	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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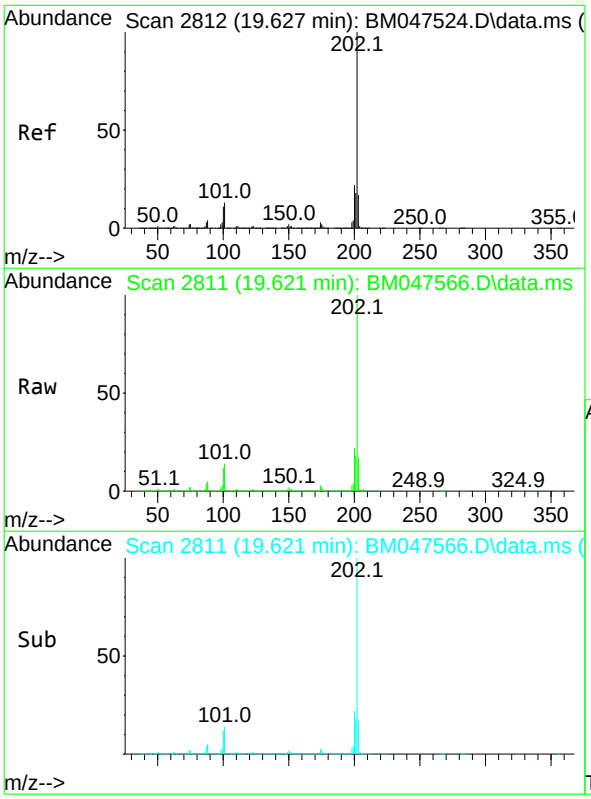
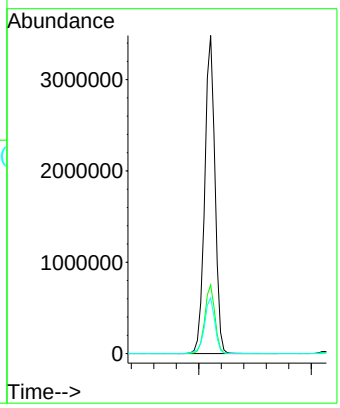
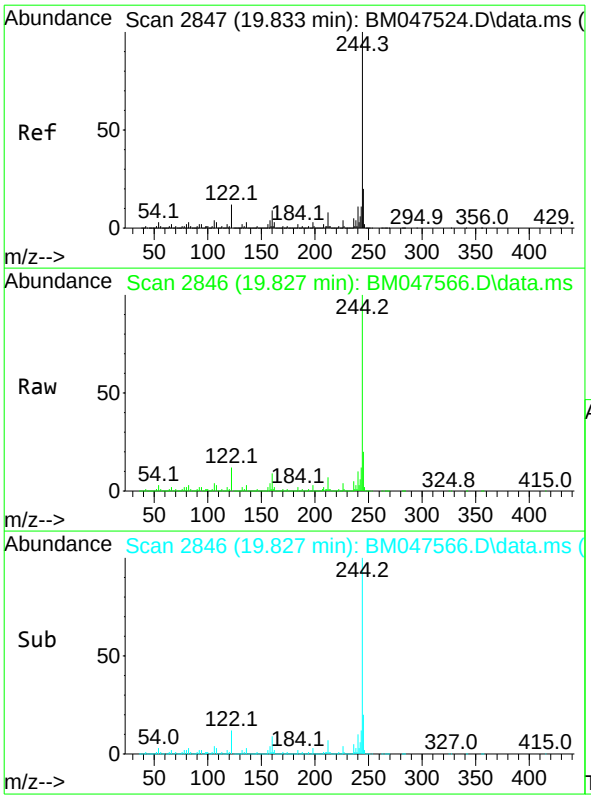


#78
Pyrene
Concen: 40.414 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:202 Resp: 4397965

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.5	14.0	21.0

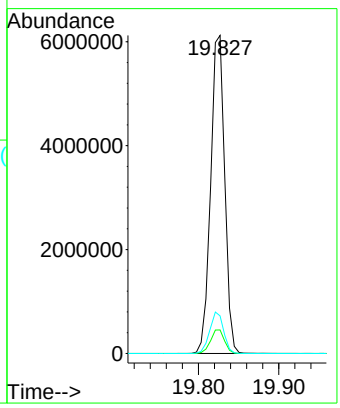




#79
Terphenyl-d14
Concen: 89.167 ng
RT: 19.827 min Scan# 28
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:244 Resp: 7423631

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	11.8	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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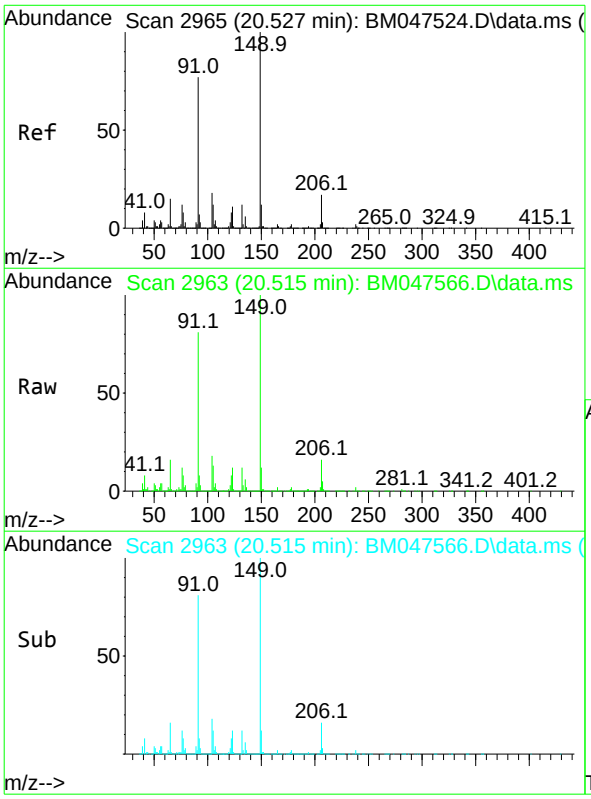
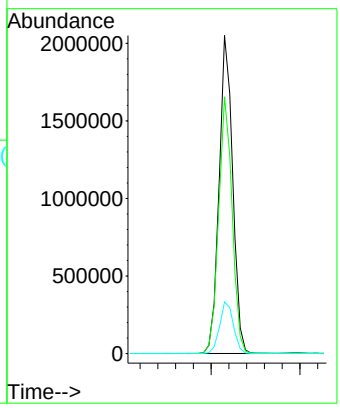
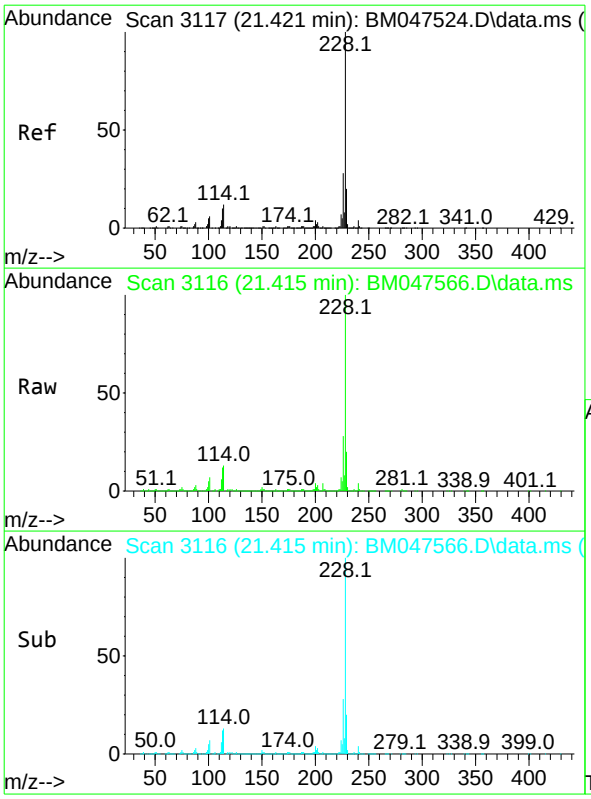


#80
Butylbenzylphthalate
Concen: 51.985 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 2177713

Ion	Ratio	Lower	Upper
149	100		
91	80.7	62.0	93.0
206	16.2	13.8	20.8

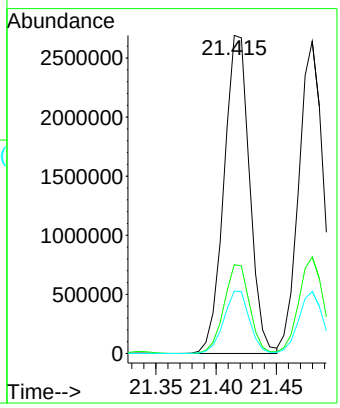




#81
Benzo(a)anthracene
Concen: 41.003 ng
RT: 21.415 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:228 Resp: 3987184

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	19.6	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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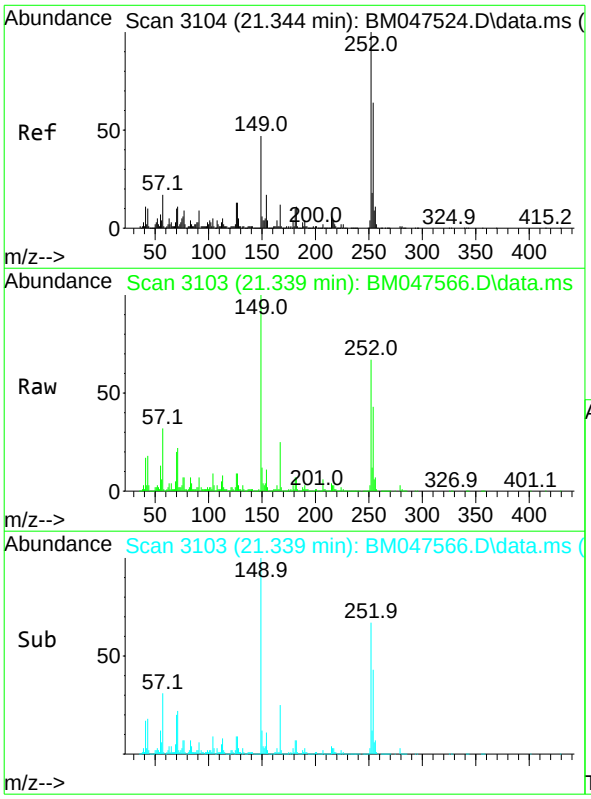
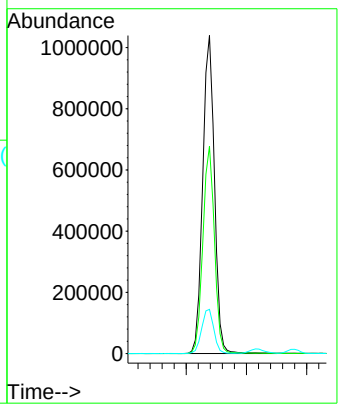
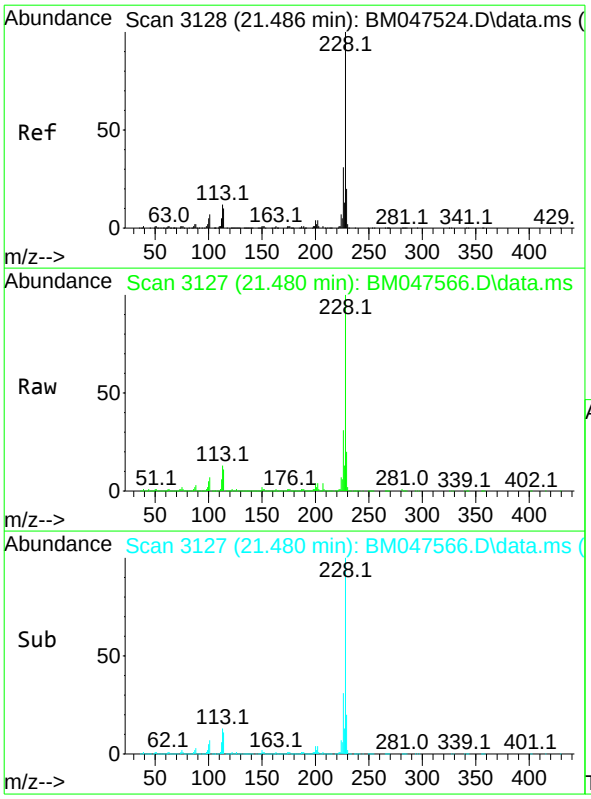


#82
3,3'-Dichlorobenzidine
Concen: 54.316 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:252 Resp: 1405001

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.5	77.3
126	13.9	10.3	15.5

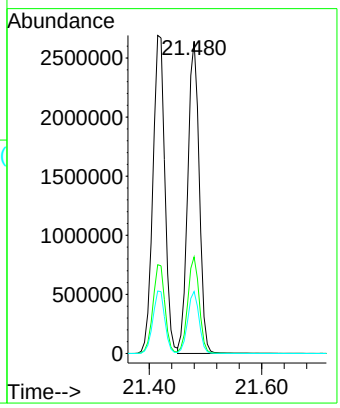




#83
Chrysene
Concen: 40.556 ng
RT: 21.480 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:228 Resp: 3730252

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.9	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
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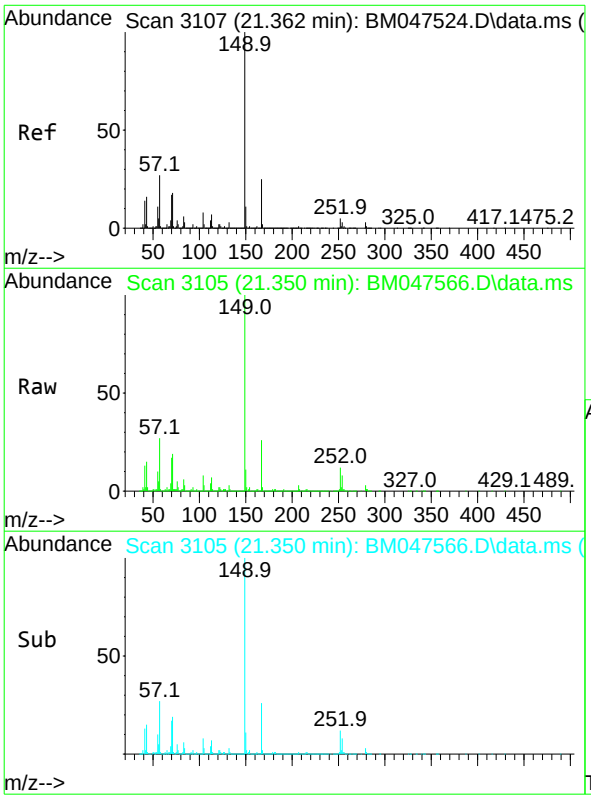
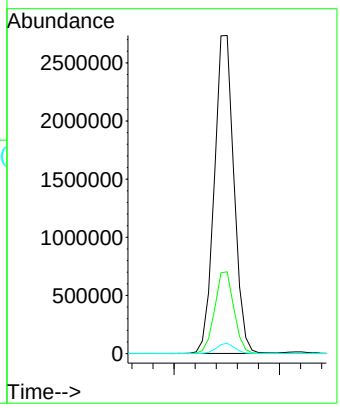
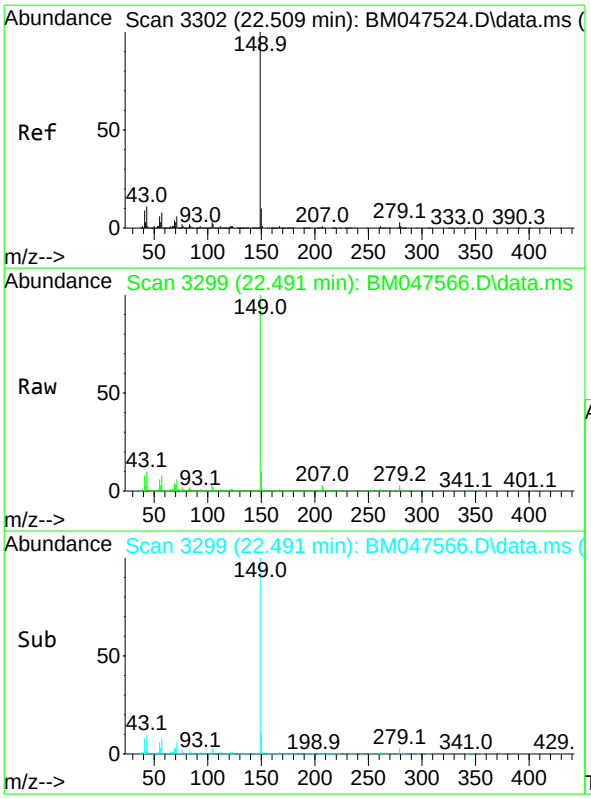


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.928 ng
RT: 21.350 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 3539026

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.2	30.4
279	3.3	2.6	4.0

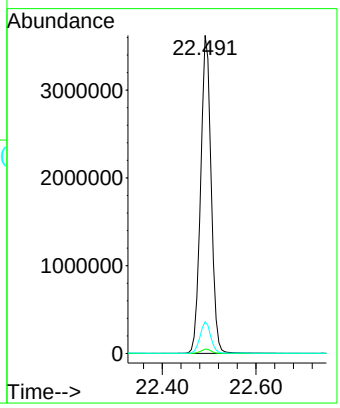




#85
Di-n-octyl phthalate
Concen: 60.483 ng
RT: 22.491 min Scan# 32
Delta R.T. -0.018 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 5614359

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.1	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
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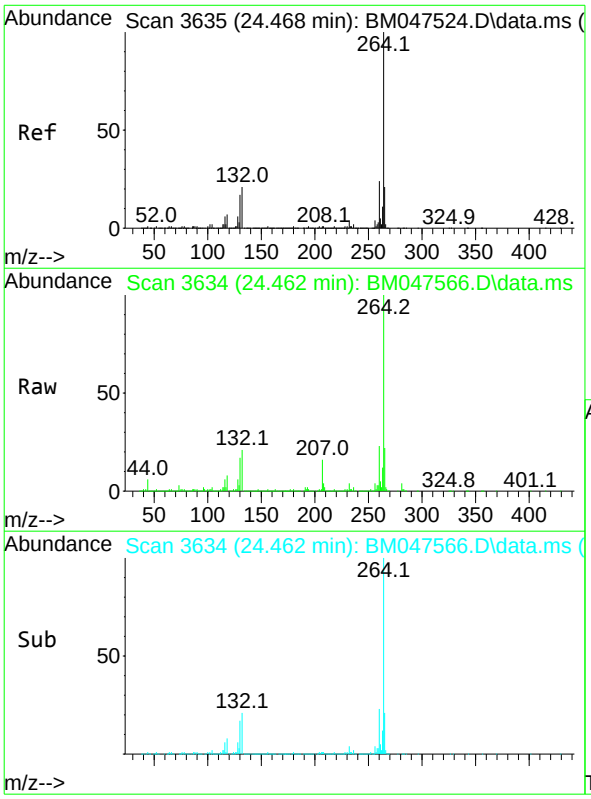
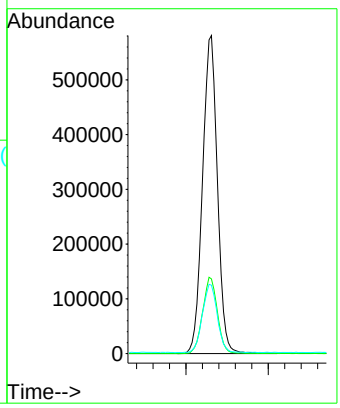
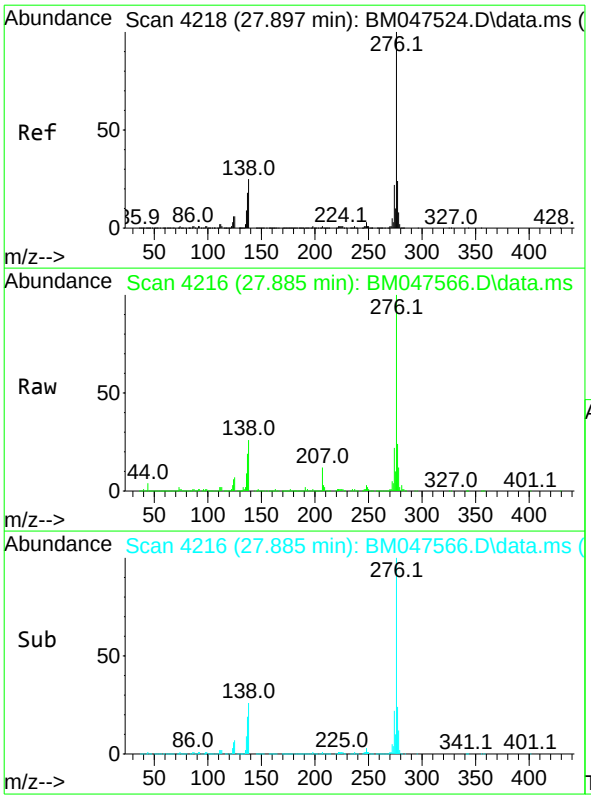


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:264 Resp: 1457823

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.5	17.4	26.2

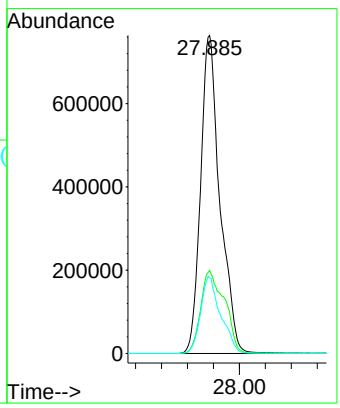




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.304 ng
RT: 27.885 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:276 Resp: 3952483

Ion	Ratio	Lower	Upper
276	100		
138	32.0	25.0	37.6
277	25.1	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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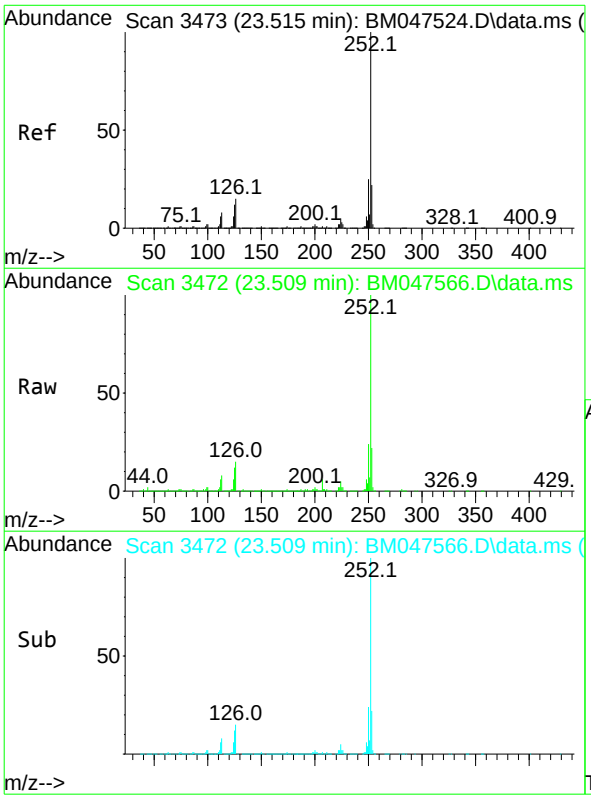
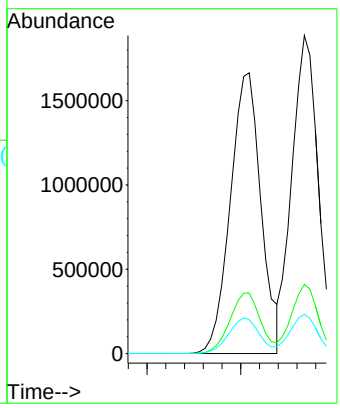
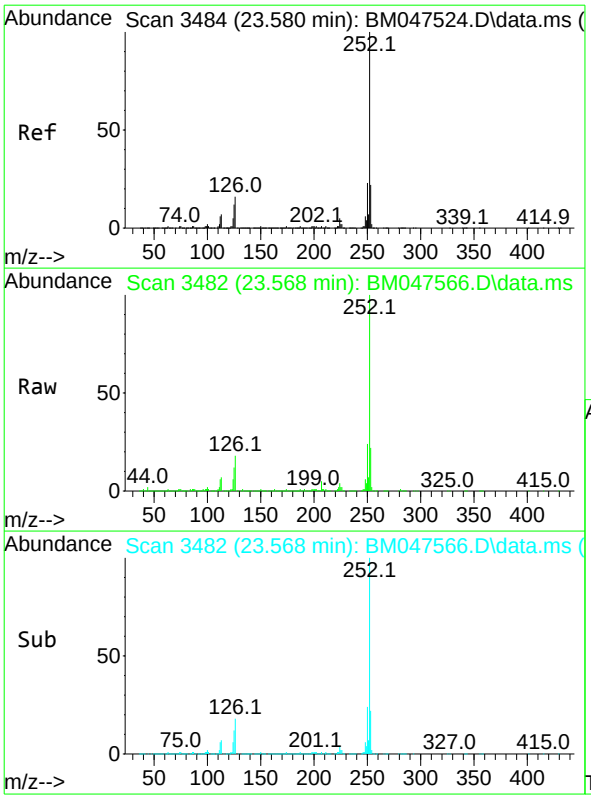


#88
Benzo(b)fluoranthene
Concen: 40.137 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:252 Resp: 3785873

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	12.0	9.5	14.3

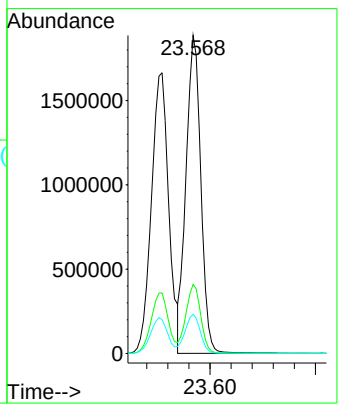




#89
Benzo(k)fluoranthene
Concen: 39.316 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:252 Resp: 3675308

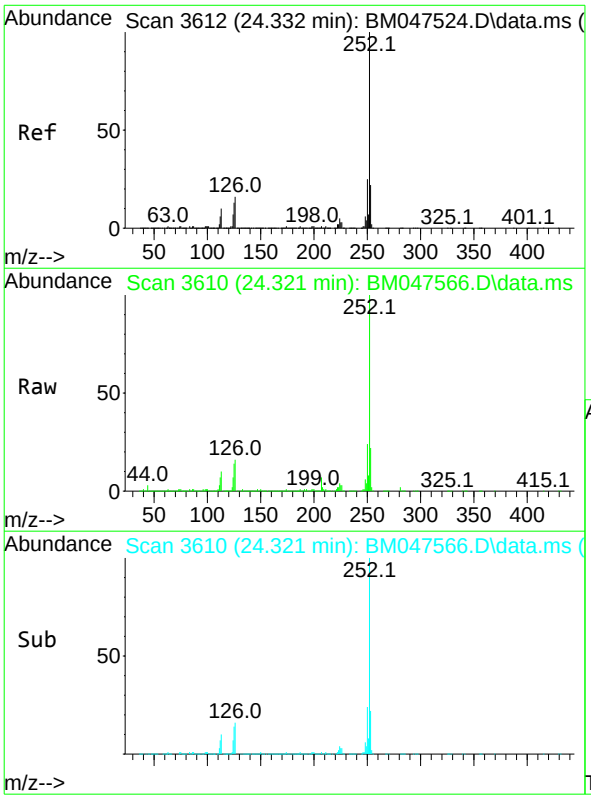
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.3	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

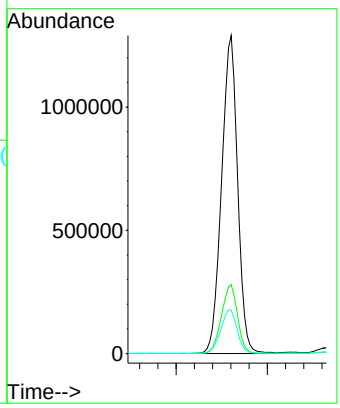
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

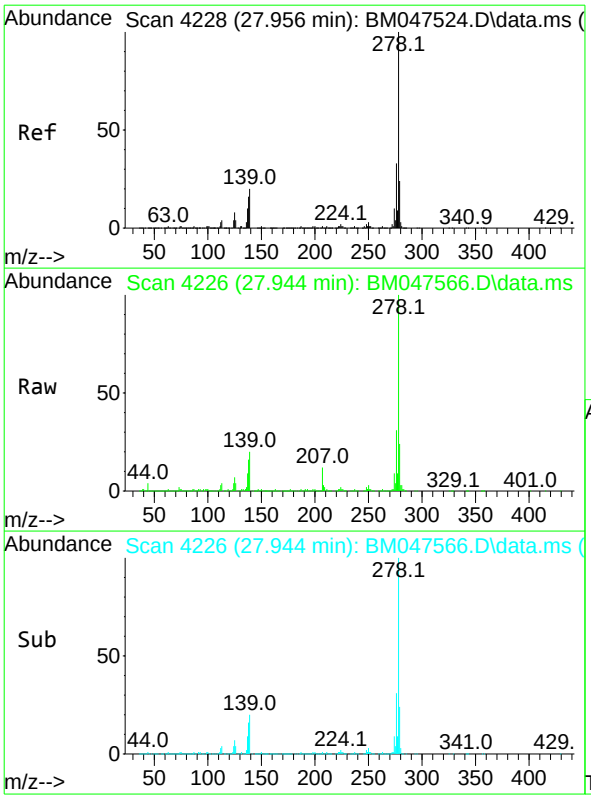


#90
Benzo(a)pyrene
Concen: 40.750 ng
RT: 24.321 min Scan# 3610
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:252 Resp: 3150288

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	13.6	10.2	15.4

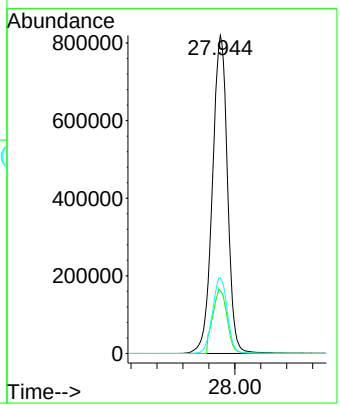




#91
Dibenzo(a,h)anthracene
Concen: 45.050 ng
RT: 27.944 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:278 Resp: 3306709

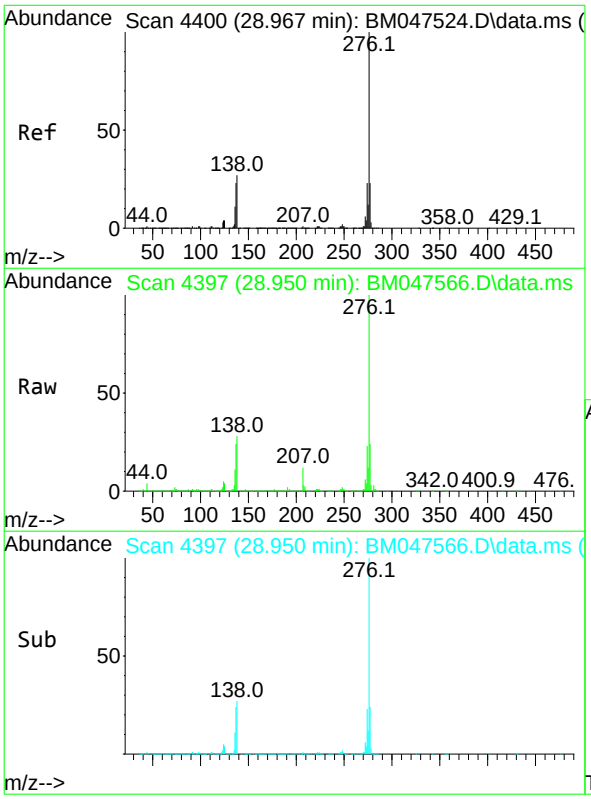
Ion	Ratio	Lower	Upper
278	100		
139	19.7	15.9	23.9
279	23.8	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

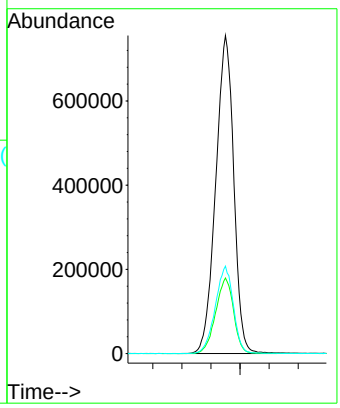
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#92
Benzo(g,h,i)perylene
Concen: 45.311 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.018 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:276 Resp: 3248885

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	27.5	21.5	32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	111	-0.01
2		1,4-Dioxane	0.538	0.526	2.2	113	-0.01
3		Pyridine	1.601	1.529	4.5	107	0.00
4		n-Nitrosodimethylamine	0.727	0.650	10.6	99	-0.01
5	S	2-Fluorophenol	1.256	1.306	-4.0	117	0.00
6		Aniline	1.568	1.518	3.2	106	0.00
7	S	Phenol-d6	1.769	1.780	-0.6	110	0.00
8		2-Chlorophenol	1.385	1.381	0.3	110	-0.01
9		Benzaldehyde	0.841	0.864	-2.7	115	-0.01
10	C	Phenol	1.771	1.744	1.5	109	0.00
11		bis(2-Chloroethyl)ether	1.422	1.432	-0.7	112	-0.01
12		1,3-Dichlorobenzene	1.516	1.501	1.0	111	0.00
13	C	1,4-Dichlorobenzene	1.544	1.518	1.7	111	-0.01
14		1,2-Dichlorobenzene	1.519	1.466	3.5	108	0.00
15		Benzyl Alcohol	1.198	1.193	0.4	108	-0.01
16		2,2'-oxybis(1-Chloropropane	2.000	1.862	6.9	103	0.00
17		2-Methylphenol	1.132	1.105	2.4	106	0.00
18		Hexachloroethane	0.617	0.627	-1.6	113	-0.01
19	P	n-Nitroso-di-n-propylamine	1.193	1.152	3.4	103	0.00
20		3+4-Methylphenols	1.579	1.514	4.1	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.526	0.517	1.7	102	-0.01
23	S	Nitrobenzene-d5	0.400	0.407	-1.7	104	0.00
24		Nitrobenzene	0.411	0.412	-0.2	103	0.00
25		Isophorone	0.703	0.720	-2.4	105	0.00
26	C	2-Nitrophenol	0.140	0.160	-14.3	113	-0.01
27		2,4-Dimethylphenol	0.212	0.215	-1.4	106	0.00
28		bis(2-Chloroethoxy)methane	0.441	0.451	-2.3	106	-0.01
29	C	2,4-Dichlorophenol	0.269	0.275	-2.2	103	-0.01
30		1,2,4-Trichlorobenzene	0.309	0.302	2.3	103	-0.01
31		Naphthalene	1.080	1.058	2.0	102	-0.01
32		Benzoic acid	0.187	0.226	-20.9	122	-0.01
33		4-Chloroaniline	0.391	0.375	4.1	99	0.00
34	C	Hexachlorobutadiene	0.171	0.168	1.8	103	-0.01
35		Caprolactam	0.089	0.097	-9.0	107	-0.01
36	C	4-Chloro-3-methylphenol	0.309	0.317	-2.6	103	0.00
37		2-Methylnaphthalene	0.719	0.693	3.6	99	-0.01
38		1-Methylnaphthalene	0.714	0.685	4.1	99	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	0.541	0.545	-0.7	95	0.00
41	P	Hexachlorocyclopentadiene	0.177	0.194	-9.6	101	0.00
42	S	2,4,6-Tribromophenol	0.193	0.201	-4.1	95	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.366	-8.0	100	0.00
44		2,4,5-Trichlorophenol	0.383	0.407	-6.3	98	0.00
45	S	2-Fluorobiphenyl	1.452	1.489	-2.5	94	-0.01
46		1,1'-Biphenyl	1.556	1.577	-1.3	96	0.00
47		2-Chloronaphthalene	1.208	1.206	0.2	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	0.355	0.393	-10.7	100	0.00
49		Acenaphthylene	1.744	1.766	-1.3	94	0.00
50		Dimethylphthalate	1.363	1.412	-3.6	98	0.00
51		2,6-Dinitrotoluene	0.288	0.308	-6.9	99	-0.01
52	C	Acenaphthene	1.222	1.250	-2.3	96	0.00
53		3-Nitroaniline	0.320	0.347	-8.4	99	0.00
54	P	2,4-Dinitrophenol	0.125	0.149	-19.2	111	0.00
55		Dibenzofuran	1.717	1.690	1.6	93	-0.01
56	P	4-Nitrophenol	0.263	0.291	-10.6	99	0.00
57		2,4-Dinitrotoluene	0.384	0.413	-7.6	97	0.00
58		Fluorene	1.546	1.546	0.0	91	0.00
59		2,3,4,6-Tetrachlorophenol	0.299	0.307	-2.7	96	-0.01
60		Diethylphthalate	1.451	1.571	-8.3	101	0.00
61		4-Chlorophenyl-phenylether	0.707	0.696	1.6	89	0.00
62		4-Nitroaniline	0.376	0.403	-7.2	92	0.00
63		Azobenzene	1.597	1.675	-4.9	97	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	0.091	0.104	-14.3	108	0.00
66	c	n-Nitrosodiphenylamine	0.612	0.614	-0.3	92	0.00
67		4-Bromophenyl-phenylether	0.194	0.192	1.0	92	0.00
68		Hexachlorobenzene	0.220	0.218	0.9	93	0.00
69		Atrazine	0.169	0.142	16.0	76	0.00
70	C	Pentachlorophenol	0.128	0.146	-14.1	102	0.00
71		Phenanthrene	1.102	1.082	1.8	90	0.00
72		Anthracene	1.059	1.059	0.0	91	-0.01
73		Carbazole	1.049	1.066	-1.6	93	0.00
74		Di-n-butylphthalate	1.256	1.479	-17.8	105	0.00
75	C	Fluoranthene	1.203	1.232	-2.4	91	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	92	-0.01
77		Benzidine	0.282	0.463	-64.2#	168#	0.00
78		Pyrene	1.459	1.474	-1.0	90	0.00
79	S	Terphenyl-d14	1.116	1.244	-11.5	91	0.00
80		Butylbenzylphthalate	0.562	0.730	-29.9#	114	-0.01
81		Benzo(a)anthracene	1.304	1.336	-2.5	92	0.00
82		3,3'-Dichlorobenzidine	0.347	0.471	-35.7#	119	0.00
83		Chrysene	1.233	1.250	-1.4	91	0.00
84		Bis(2-ethylhexyl)phthalate	0.880	1.186	-34.8#	117	-0.01
85	c	Di-n-octyl phthalate	1.244	1.882	-51.3#	133	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	111	0.00
87		Indeno(1,2,3-cd)pyrene	1.197	1.356	-13.3	128	-0.01
88		Benzo(b)fluoranthene	1.294	1.298	-0.3	108	0.00
89		Benzo(k)fluoranthene	1.282	1.261	1.6	103	-0.01
90	C	Benzo(a)pyrene	1.061	1.080	-1.8	110	-0.01
91		Dibenzo(a,h)anthracene	1.007	1.134	-12.6	127	-0.01
92		Benzo(g,h,i)perylene	0.984	1.114	-13.2	128	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
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Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 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	111	-0.01
2		1,4-Dioxane	40.000	39.098	2.3	113	-0.01
3		Pyridine	40.000	38.199	4.5	107	0.00
4		n-Nitrosodimethylamine	40.000	35.796	10.5	99	-0.01
5	S	2-Fluorophenol	80.000	83.155	-3.9	117	0.00
6		Aniline	40.000	38.709	3.2	106	0.00
7	S	Phenol-d6	80.000	80.521	-0.7	110	0.00
8		2-Chlorophenol	40.000	39.896	0.3	110	-0.01
9		Benzaldehyde	40.000	41.071	-2.7	115	-0.01
10	C	Phenol	40.000	39.375	1.6	109	0.00
11		bis(2-Chloroethyl)ether	40.000	40.276	-0.7	112	-0.01
12		1,3-Dichlorobenzene	40.000	39.620	1.0	111	0.00
13	C	1,4-Dichlorobenzene	40.000	39.324	1.7	111	-0.01
14		1,2-Dichlorobenzene	40.000	38.586	3.5	108	0.00
15		Benzyl Alcohol	40.000	39.820	0.4	108	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.226	6.9	103	0.00
17		2-Methylphenol	40.000	39.073	2.3	106	0.00
18		Hexachloroethane	40.000	40.686	-1.7	113	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	38.623	3.4	103	0.00
20		3+4-Methylphenols	40.000	38.353	4.1	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	39.336	1.7	102	-0.01
23	S	Nitrobenzene-d5	80.000	81.415	-1.8	104	0.00
24		Nitrobenzene	40.000	40.125	-0.3	103	0.00
25		Isophorone	40.000	40.999	-2.5	105	0.00
26	C	2-Nitrophenol	40.000	45.878	-14.7	113	-0.01
27		2,4-Dimethylphenol	40.000	40.532	-1.3	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.891	-2.2	106	-0.01
29	C	2,4-Dichlorophenol	40.000	40.760	-1.9	103	-0.01
30		1,2,4-Trichlorobenzene	40.000	39.082	2.3	103	-0.01
31		Naphthalene	40.000	39.178	2.1	102	-0.01
32		Benzoic acid	40.000	43.933	-9.8	122	-0.01
33		4-Chloroaniline	40.000	38.458	3.9	99	0.00
34	C	Hexachlorobutadiene	40.000	39.348	1.6	103	-0.01
35		Caprolactam	40.000	43.628	-9.1	107	-0.01
36	C	4-Chloro-3-methylphenol	40.000	41.032	-2.6	103	0.00
37		2-Methylnaphthalene	40.000	38.531	3.7	99	-0.01
38		1-Methylnaphthalene	40.000	38.352	4.1	99	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.279	-0.7	95	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.840	-9.6	101	0.00
42	S	2,4,6-Tribromophenol	80.000	83.145	-3.9	95	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.230	-8.1	100	0.00
44		2,4,5-Trichlorophenol	40.000	42.523	-6.3	98	0.00
45	S	2-Fluorobiphenyl	80.000	82.051	-2.6	94	-0.01
46		1,1'-Biphenyl	40.000	40.533	-1.3	96	0.00
47		2-Chloronaphthalene	40.000	39.928	0.2	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.296	-10.7	100	0.00
49		Acenaphthylene	40.000	40.512	-1.3	94	0.00
50		Dimethylphthalate	40.000	41.425	-3.6	98	0.00
51		2,6-Dinitrotoluene	40.000	42.810	-7.0	99	-0.01
52	C	Acenaphthene	40.000	40.913	-2.3	96	0.00
53		3-Nitroaniline	40.000	43.417	-8.5	99	0.00
54	P	2,4-Dinitrophenol	40.000	45.515	-13.8	111	0.00
55		Dibenzofuran	40.000	39.385	1.5	93	-0.01
56	P	4-Nitrophenol	40.000	44.188	-10.5	99	0.00
57		2,4-Dinitrotoluene	40.000	43.073	-7.7	97	0.00
58		Fluorene	40.000	39.999	0.0	91	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.149	-2.9	96	-0.01
60		Diethylphthalate	40.000	43.320	-8.3	101	0.00
61		4-Chlorophenyl-phenylether	40.000	39.419	1.5	89	0.00
62		4-Nitroaniline	40.000	42.836	-7.1	92	0.00
63		Azobenzene	40.000	41.953	-4.9	97	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.931	-4.8	108	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.138	-0.3	92	0.00
67		4-Bromophenyl-phenylether	40.000	39.463	1.3	92	0.00
68		Hexachlorobenzene	40.000	39.554	1.1	93	0.00
69		Atrazine	40.000	33.602	16.0	76	0.00
70	C	Pentachlorophenol	40.000	45.647	-14.1	102	0.00
71		Phenanthrene	40.000	39.274	1.8	90	0.00
72		Anthracene	40.000	39.996	0.0	91	-0.01
73		Carbazole	40.000	40.624	-1.6	93	0.00
74		Di-n-butylphthalate	40.000	47.117	-17.8	105	0.00
75	C	Fluoranthene	40.000	40.964	-2.4	91	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	92	-0.01
77		Benzidine	40.000	65.820	-64.5#	168	0.00
78		Pyrene	40.000	40.414	-1.0	90	0.00
79	S	Terphenyl-d14	80.000	89.167	-11.5	91	0.00
80		Butylbenzylphthalate	40.000	51.985	-30.0#	114	-0.01
81		Benzo(a)anthracene	40.000	41.003	-2.5	92	0.00
82		3,3'-Dichlorobenzidine	40.000	54.316	-35.8#	119	0.00
83		Chrysene	40.000	40.556	-1.4	91	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	53.928	-34.8#	117	-0.01
85	c	Di-n-octyl phthalate	40.000	60.483	-51.2#	133	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	111	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.304	-13.3	128	-0.01
88		Benzo(b)fluoranthene	40.000	40.137	-0.3	108	0.00
89		Benzo(k)fluoranthene	40.000	39.316	1.7	103	-0.01
90	C	Benzo(a)pyrene	40.000	40.750	-1.9	110	-0.01
91		Dibenzo(a,h)anthracene	40.000	45.050	-12.6	127	-0.01
92		Benzo(g,h,i)perylene	40.000	45.311	-13.3	128	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

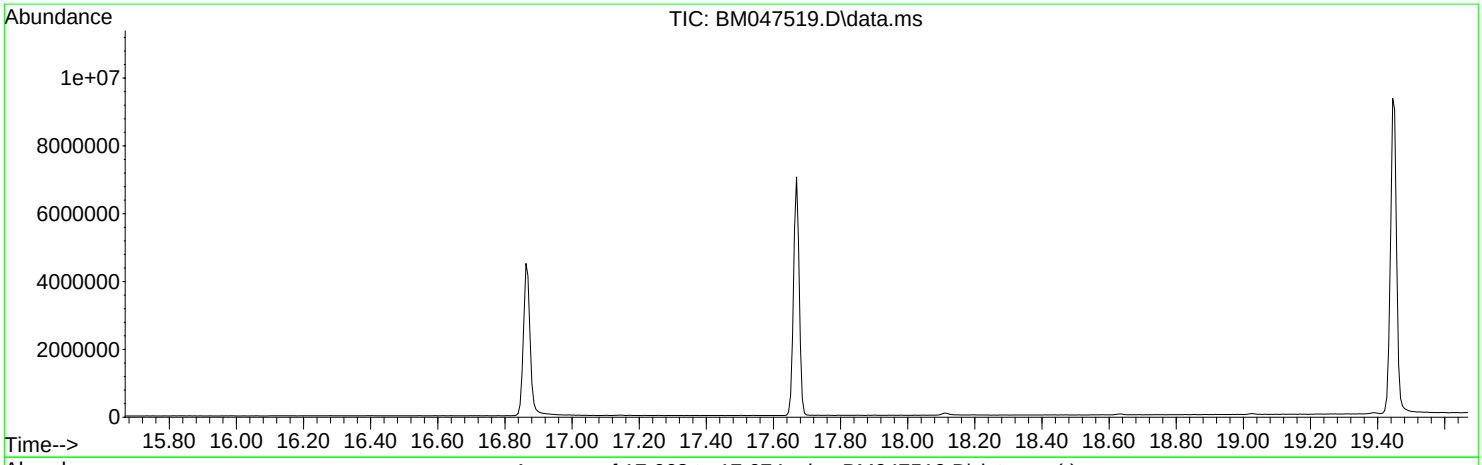
QC SAMPLE DATA

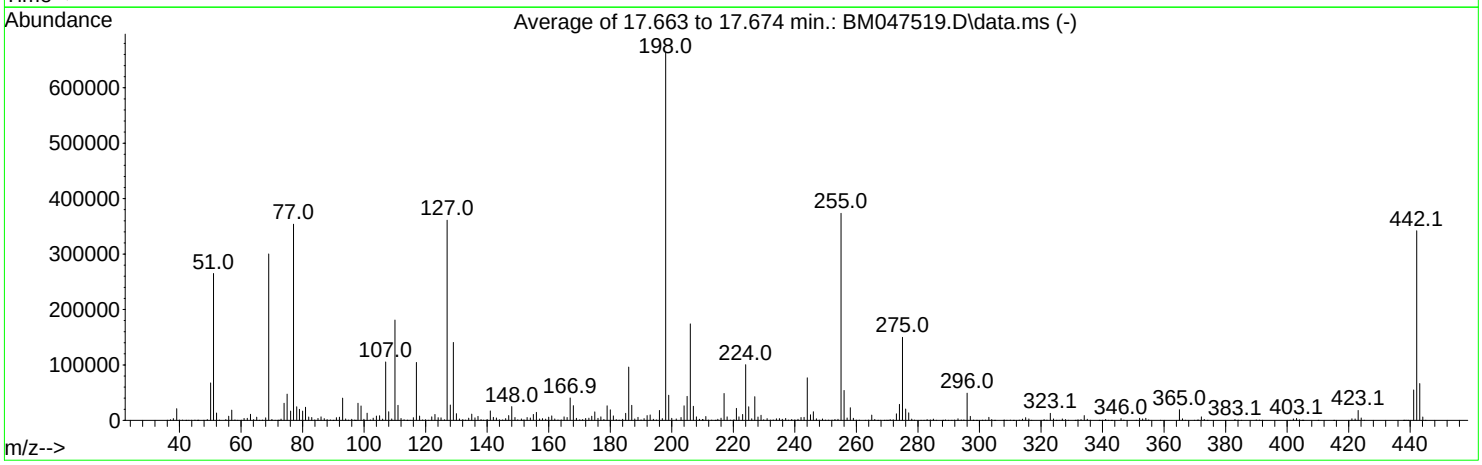
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Sep 15 08:56:37 2024





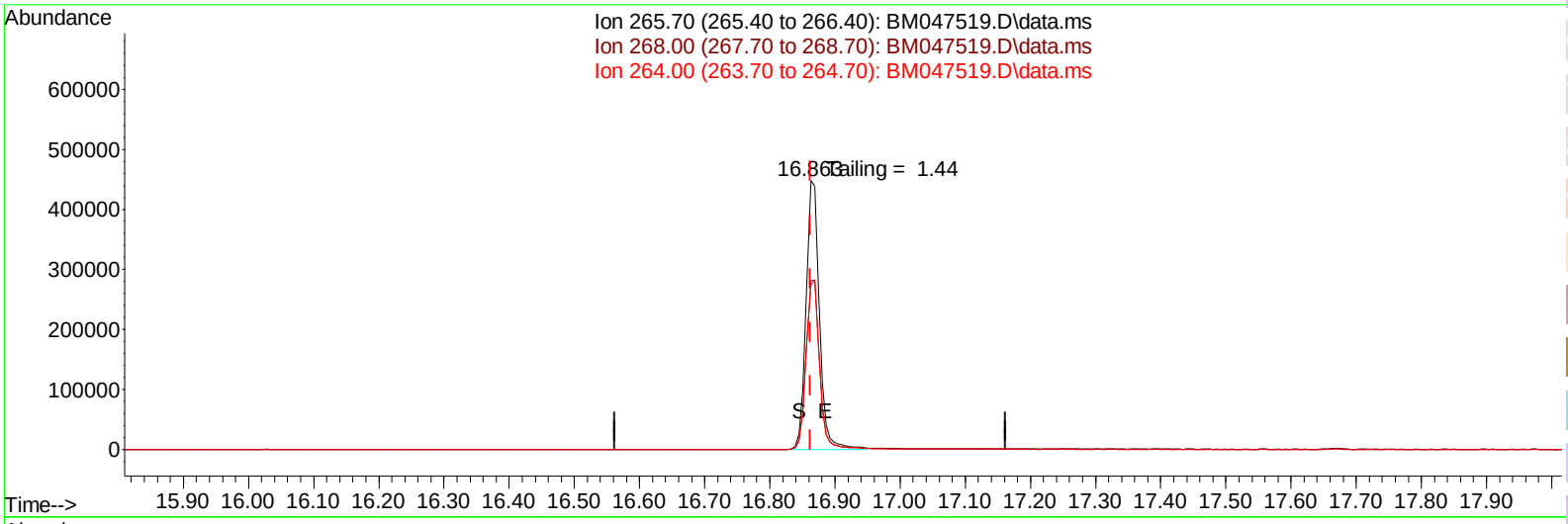
AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2471

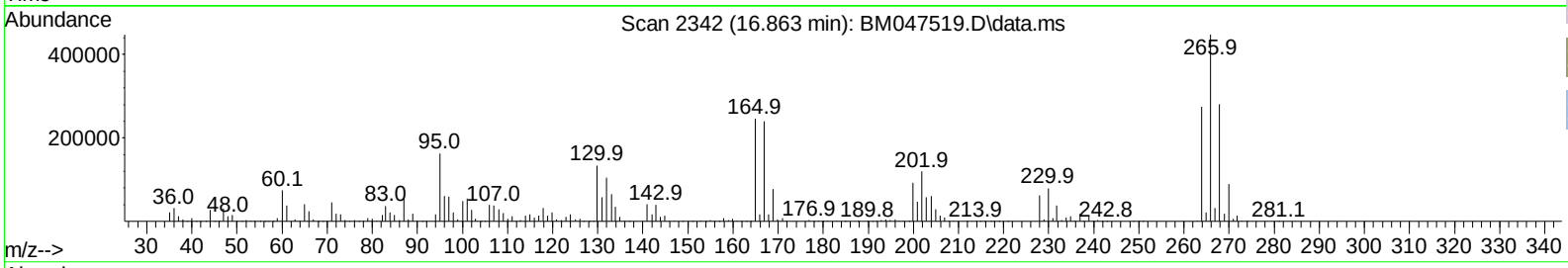
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.9	264866	PASS
68	69	0.00	2	1.5	4554	PASS
69	198	0.00	100	45.2	300217	PASS
70	69	0.00	2	0.6	1725	PASS
127	198	10	80	54.4	361109	PASS
197	198	0.00	2	0.5	3353	PASS
198	198	100	100	100.0	663616	PASS
199	198	5	9	6.8	45408	PASS
275	198	10	60	22.6	149971	PASS
365	198	1	100	2.9	19493	PASS
441	198	0.01	100	8.3	54813	PASS
442	442	50	100	100.0	341973	PASS
443	442	15	24	19.4	66293	PASS

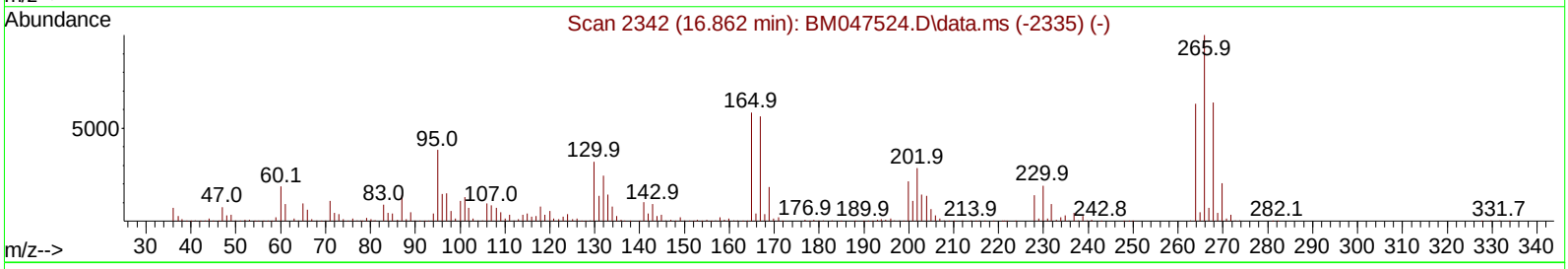
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 15 09:03:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration







TIC: BM047519.D\data.ms

(70) Pentachlorophenol (C)

16.863min (+ 0.000) 149789.64 ng

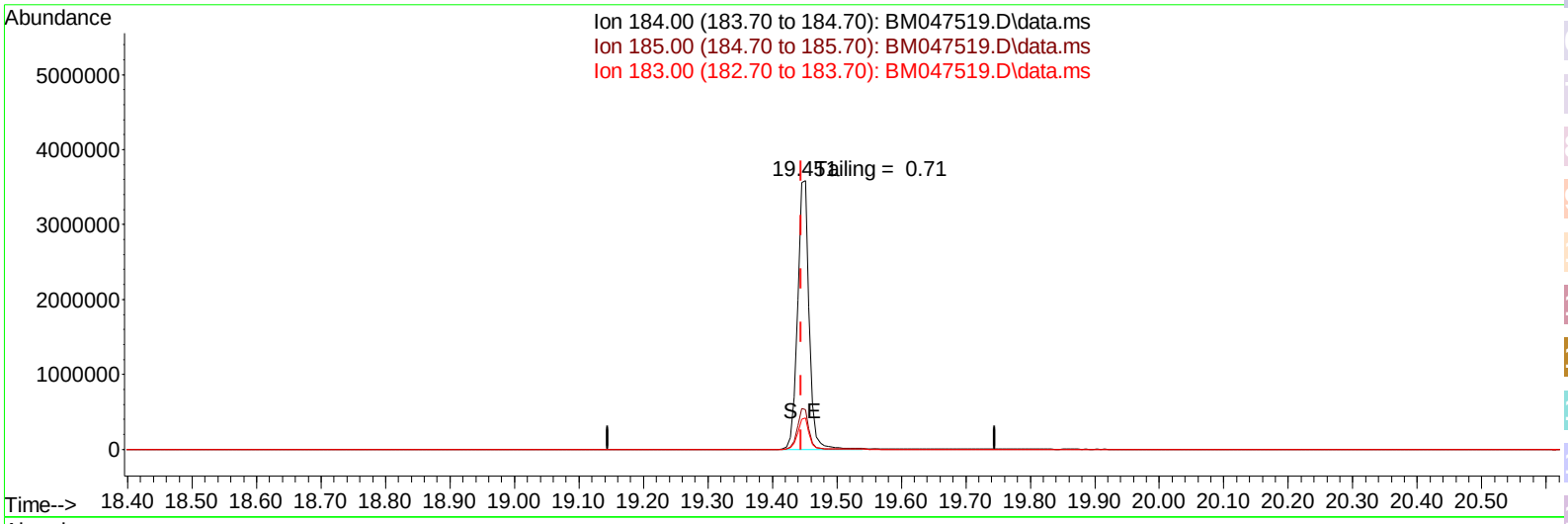
response 629866

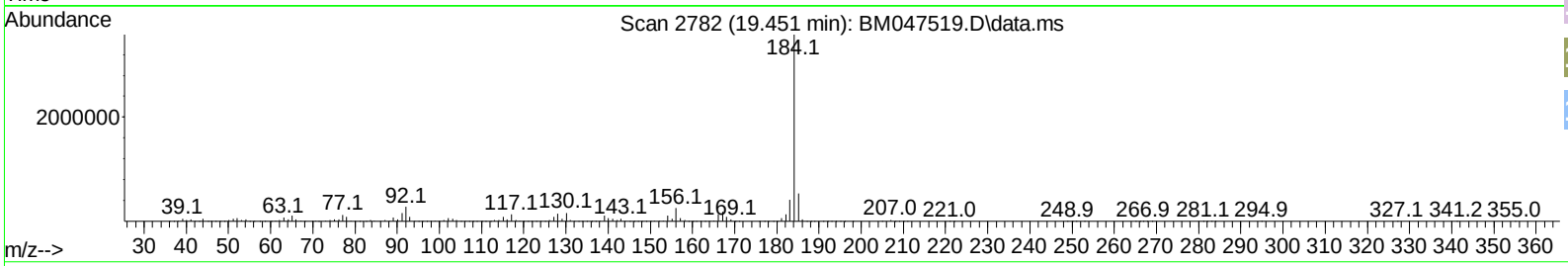
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	62.83
264.00	63.00	61.38
0.00	0.00	0.00

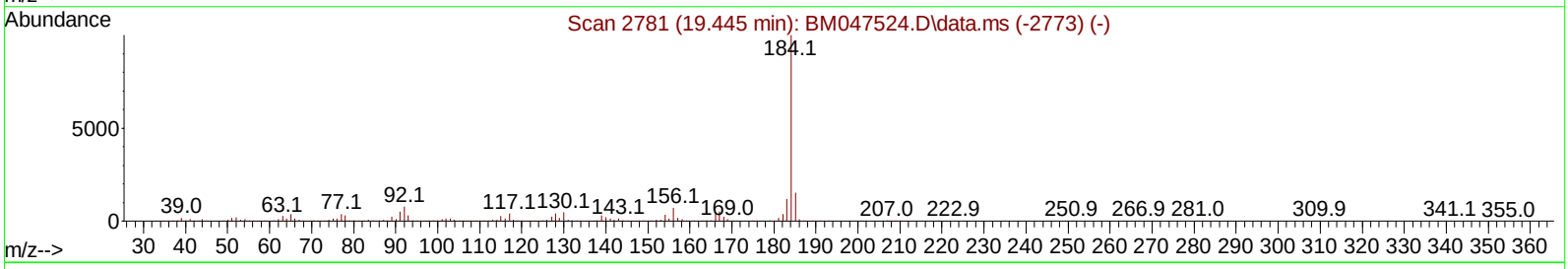
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 15 09:03:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration







TIC: BM047519.D\data.ms

(77) Benzidine

19.451min (+ 0.006) 303907.69 ng

response 4609731

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.82
183.00	12.00	11.61
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

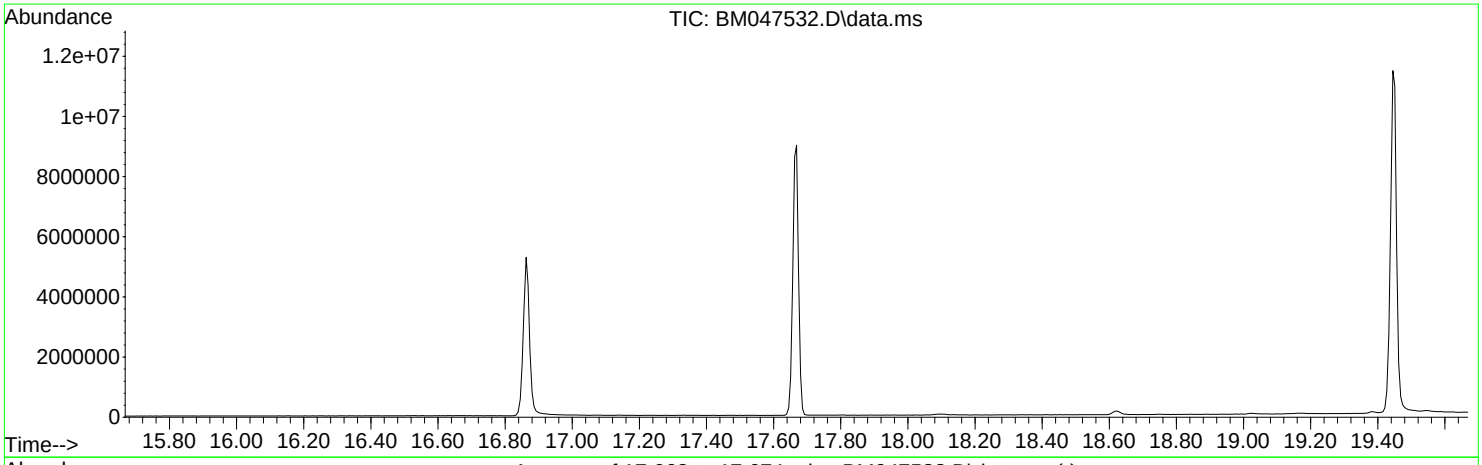
Date	Instrument Name	DFTPP Data File
9/14/2024	BNA_M	BM047519.D
Compound Name	**Response**	**Retention Time**
DDT	2011863	20.686
DDD	13962	20.304
DDE	0	19.892
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
13962	2025825	0.69

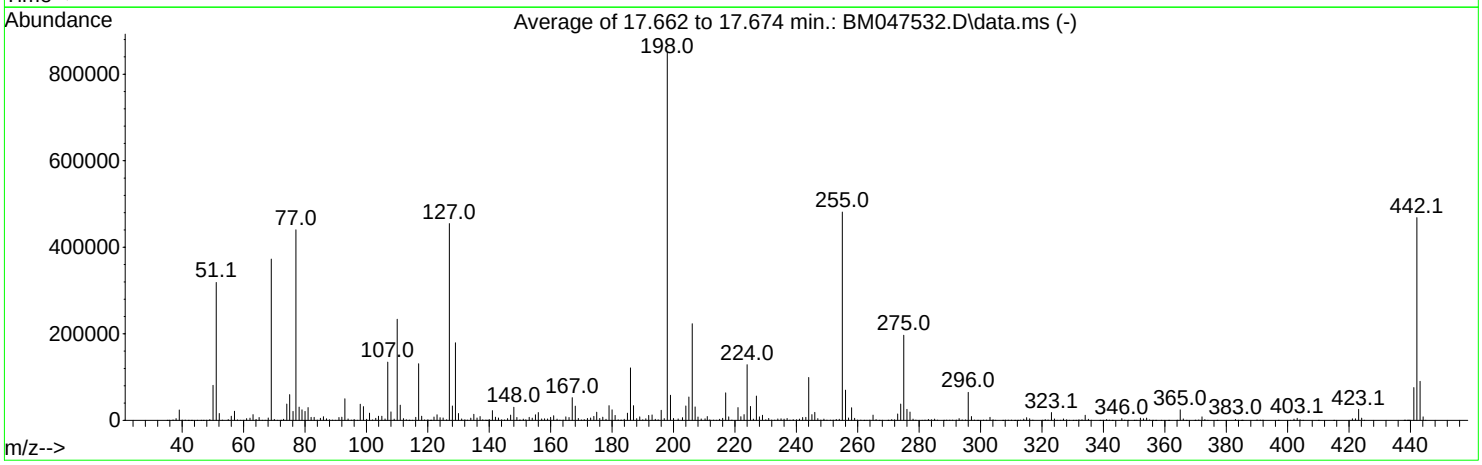
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047532.D
Acq On : 16 Sep 2024 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Sep 15 08:56:37 2024





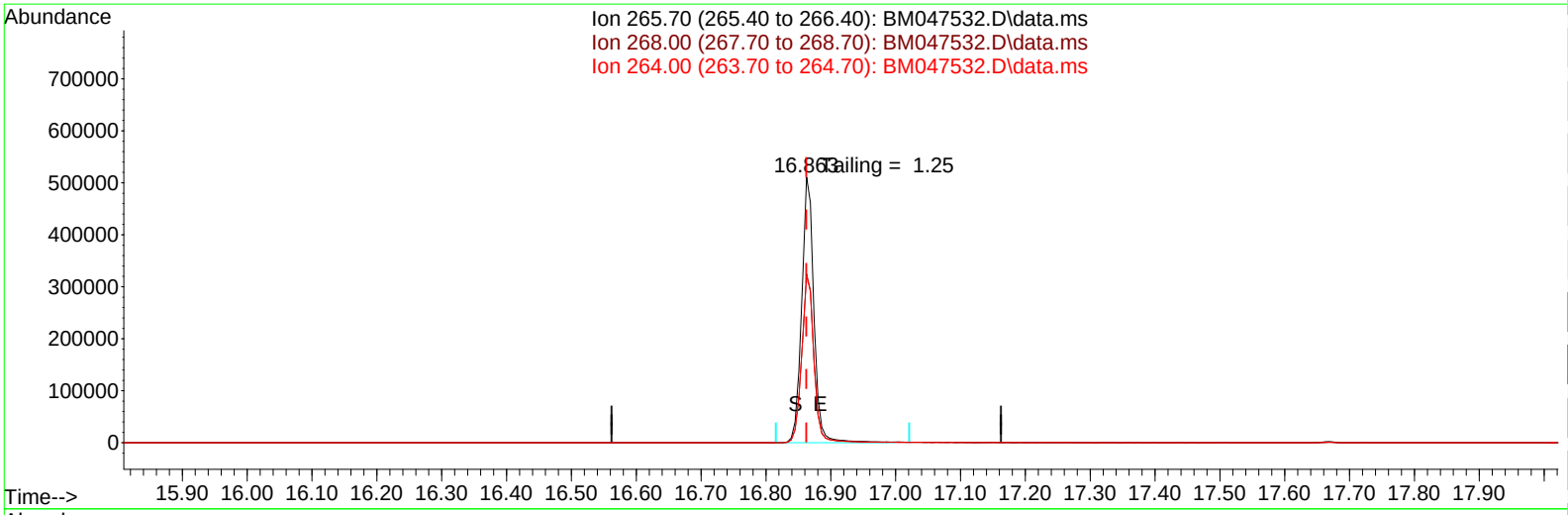
AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2470

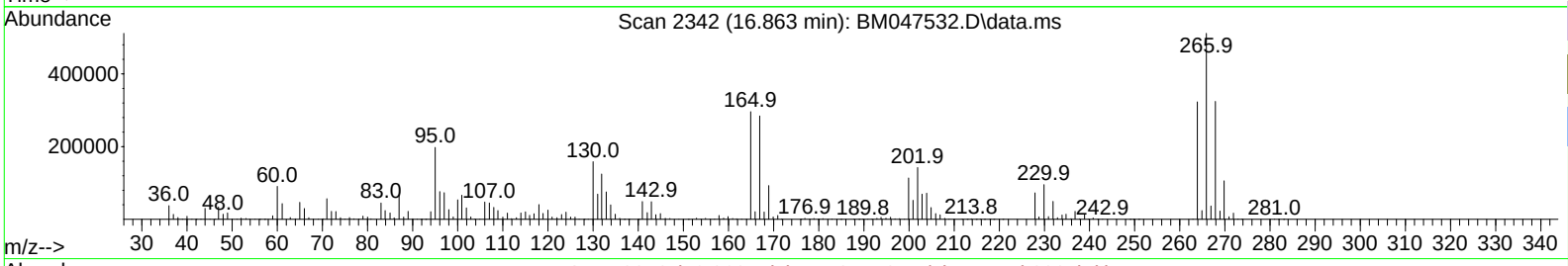
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.5	318753	PASS
68	69	0.00	2	1.5	5688	PASS
69	198	0.00	100	43.9	372949	PASS
70	69	0.00	2	0.5	2048	PASS
127	198	10	80	53.5	454912	PASS
197	198	0.00	2	0.5	3954	PASS
198	198	100	100	100.0	850133	PASS
199	198	5	9	6.8	58083	PASS
275	198	10	60	23.1	196757	PASS
365	198	1	100	2.9	24600	PASS
441	198	0.01	100	8.9	75757	PASS
442	442	50	100	100.0	468565	PASS
443	442	15	24	19.3	90395	PASS

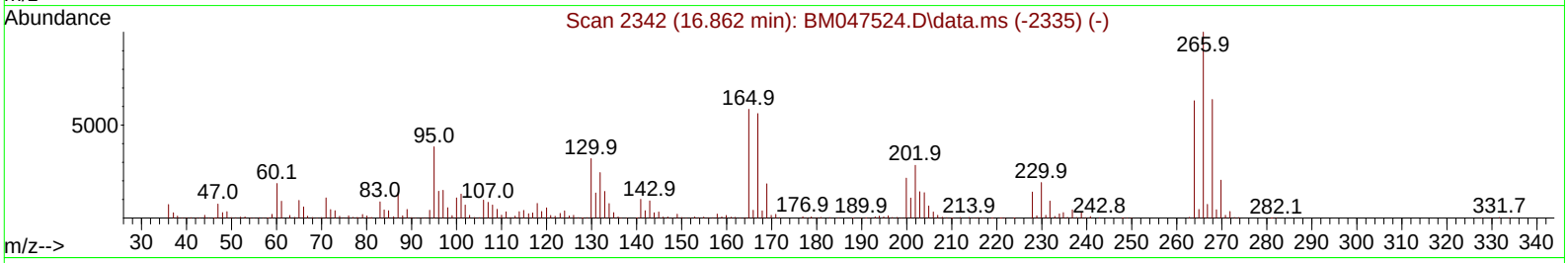
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047532.D
Acq On : 16 Sep 2024 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 16 11:33:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration







TIC: BM047532.D\data.ms

(70) Pentachlorophenol (C)

16.863min (+ 0.000) 1952988.49 ng

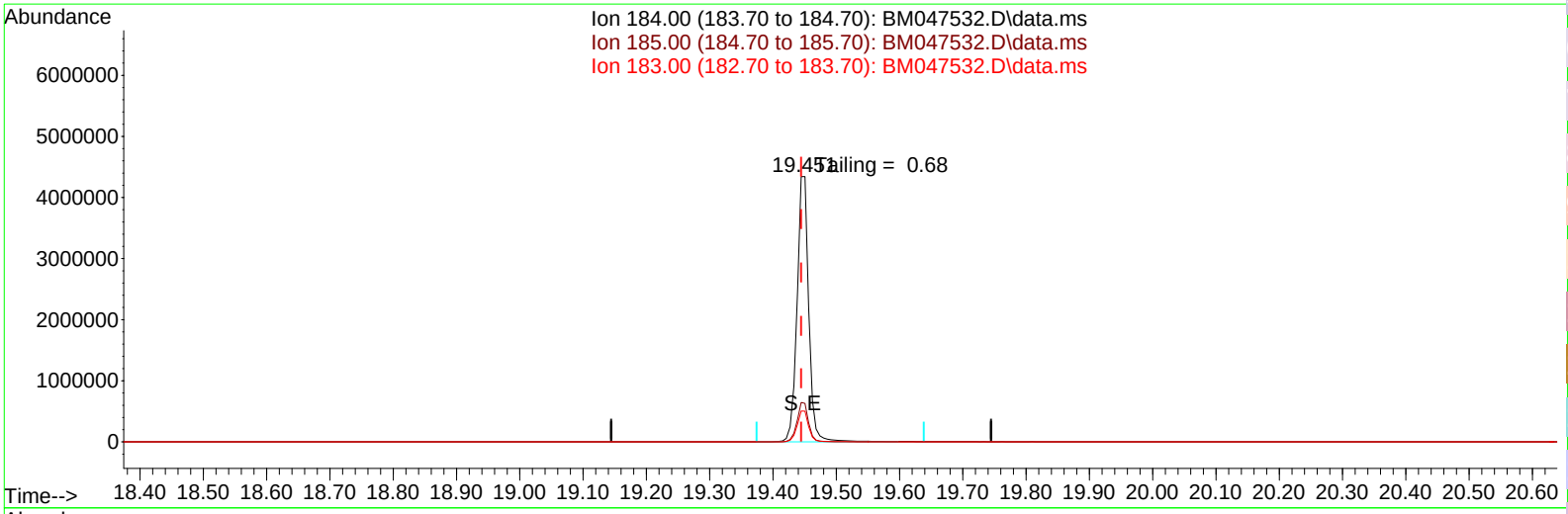
response 672937

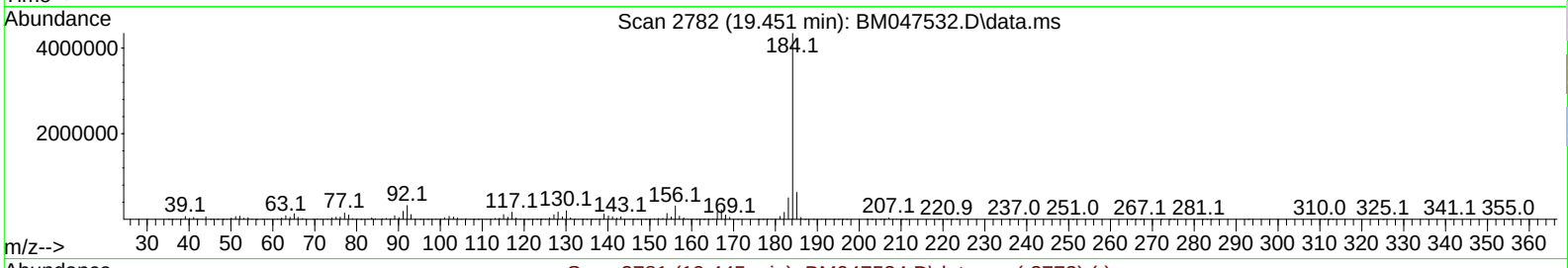
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	63.45
264.00	63.00	63.20
0.00	0.00	0.00

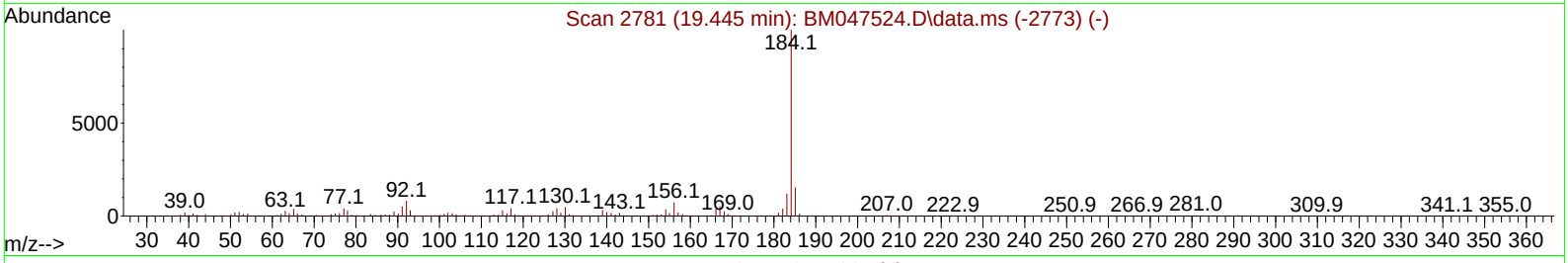
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047532.D
Acq On : 16 Sep 2024 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 16 11:33:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration







TIC: BM047532.D\data.ms

(77) Benzidine

19.451min (+ 0.006) 33612.78 ng

response 5649482

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.49
183.00	12.00	11.57
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

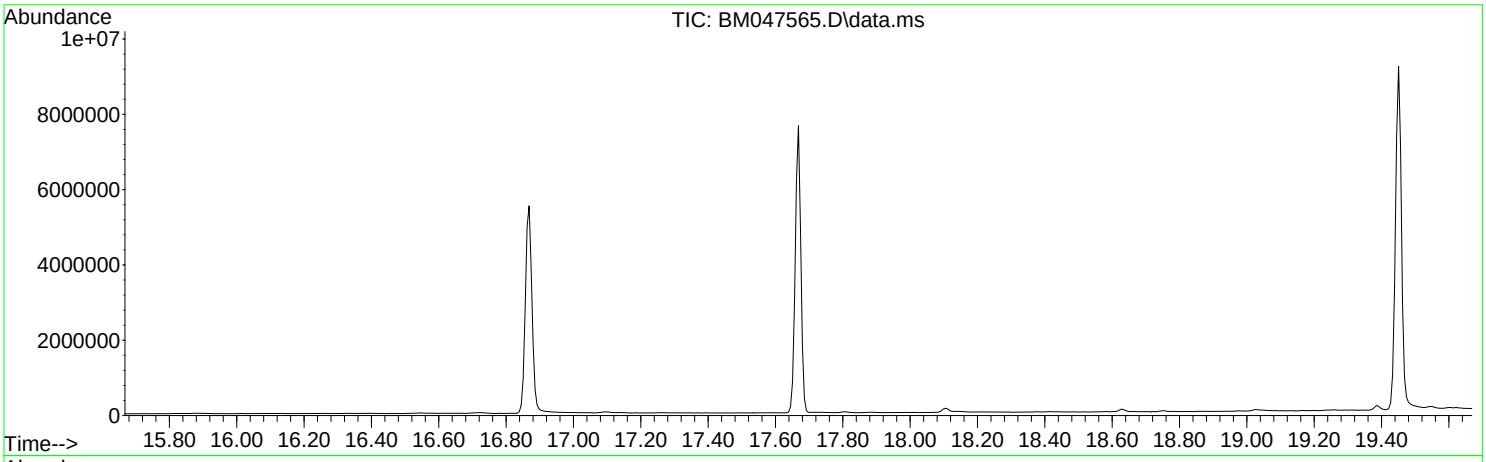
Date	Instrument Name	DFTPP Data File
9/16/2024	BNA_M	BM047532.D
Compound Name	**Response**	**Retention Time**
DDT	2268067	20.686
DDD	25450	20.245
DDE	3522	19.739
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
28972	2297039	1.26

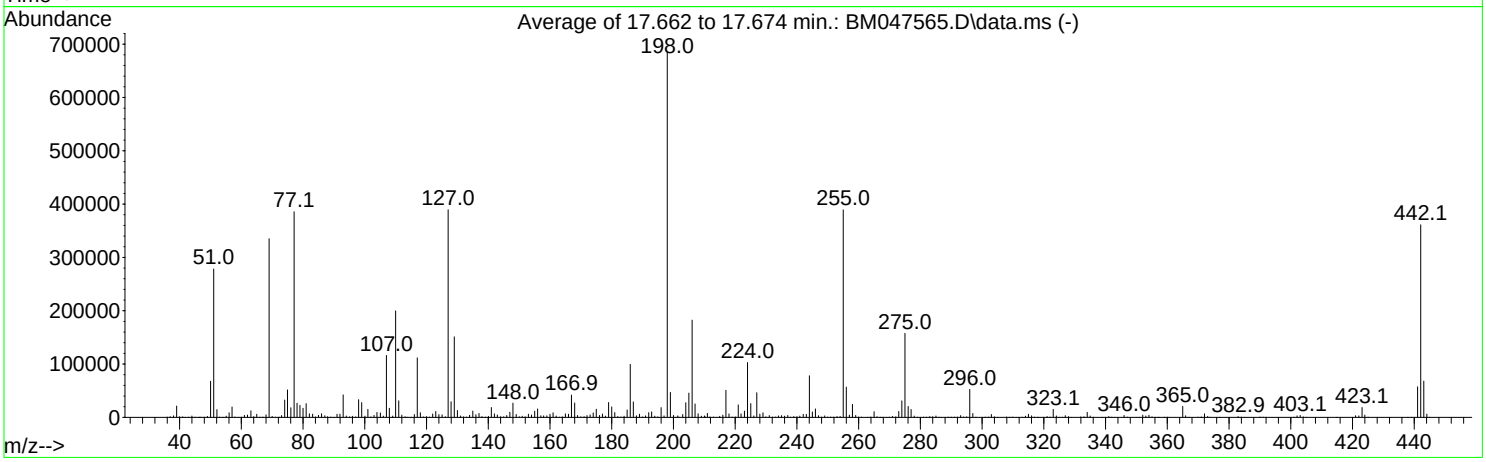
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Sep 15 08:56:37 2024





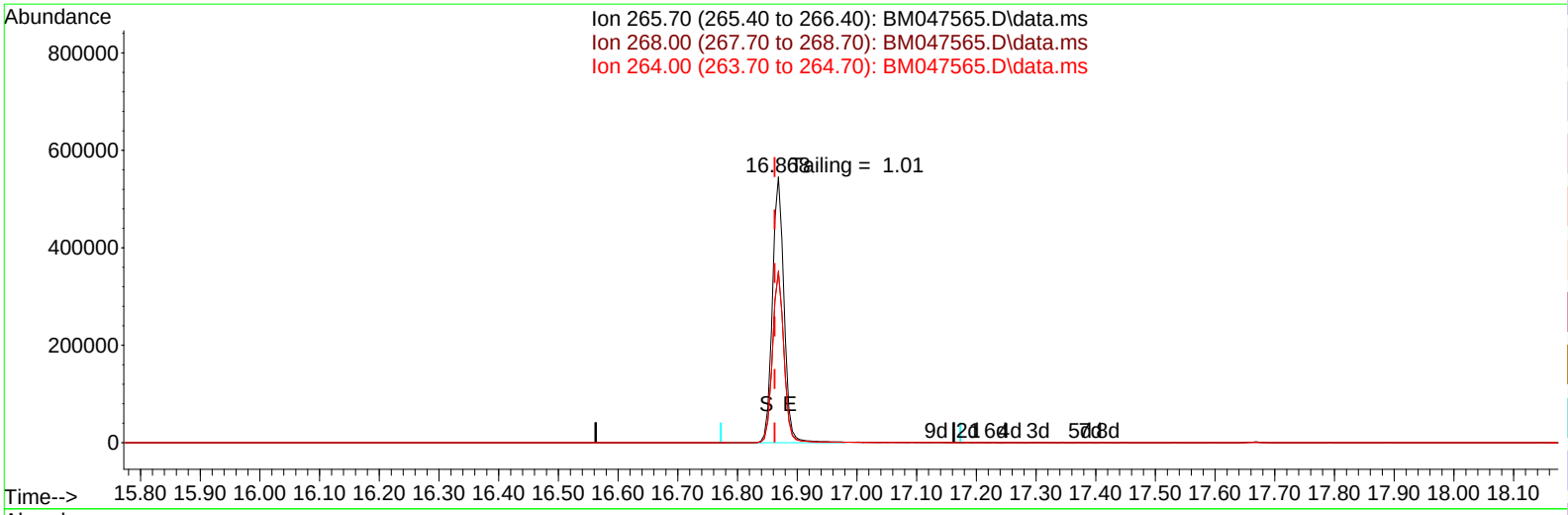
AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2470

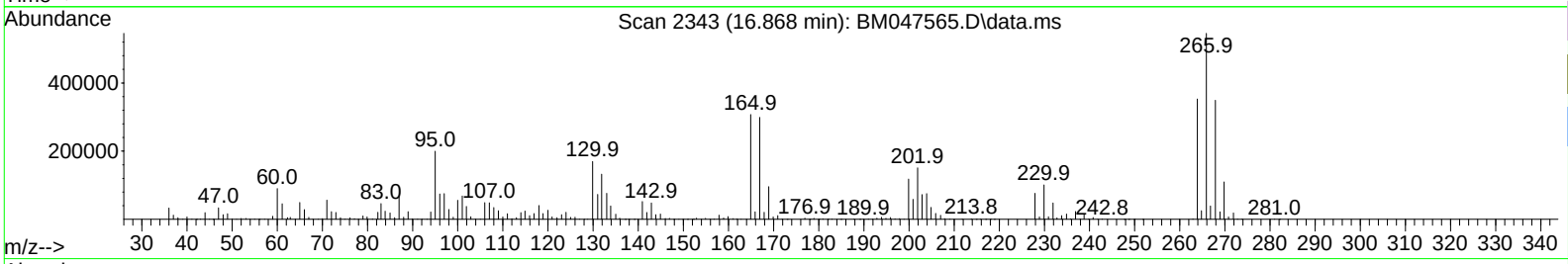
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.6	278274	PASS
68	69	0.00	2	1.5	4882	PASS
69	198	0.00	100	48.9	335179	PASS
70	69	0.00	2	0.6	1919	PASS
127	198	10	80	56.8	389461	PASS
197	198	0.00	2	0.4	2928	PASS
198	198	100	100	100.0	685845	PASS
199	198	5	9	6.8	46739	PASS
275	198	10	60	23.0	157611	PASS
365	198	1	100	3.0	20608	PASS
441	198	0.01	100	8.4	57341	PASS
442	442	50	100	100.0	361152	PASS
443	442	15	24	18.8	68013	PASS

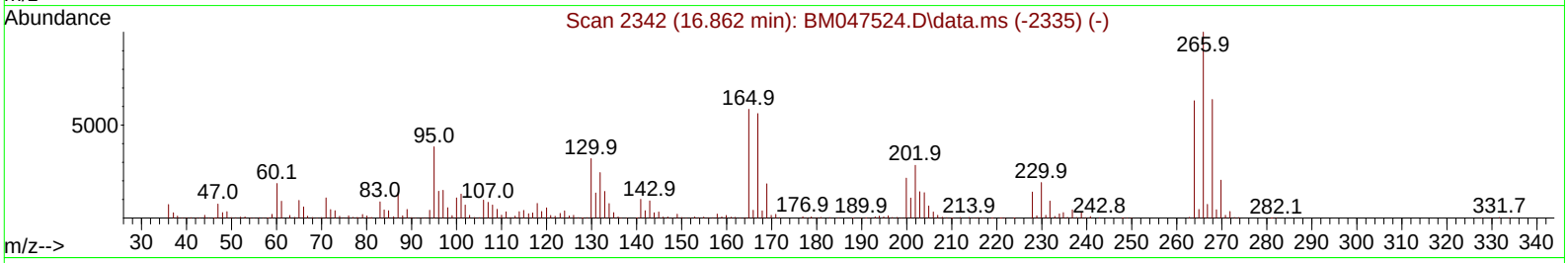
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 19 12:50:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration







TIC: BM047565.D\data.ms

(70) Pentachlorophenol (C)

16.868min (+ 0.006) 28826.43 ng m

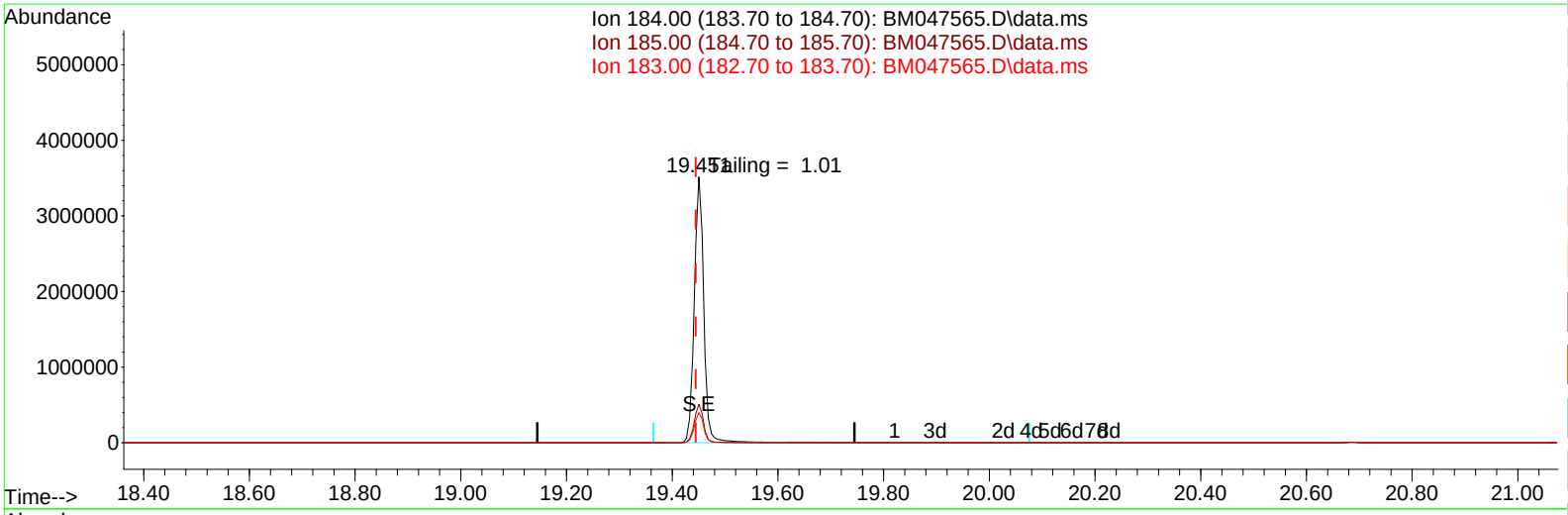
response 749732

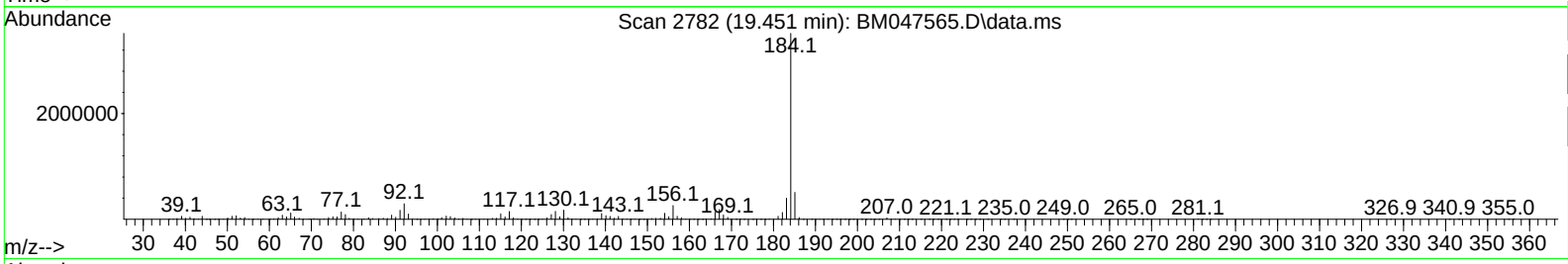
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	64.05
264.00	63.00	64.66
0.00	0.00	0.00

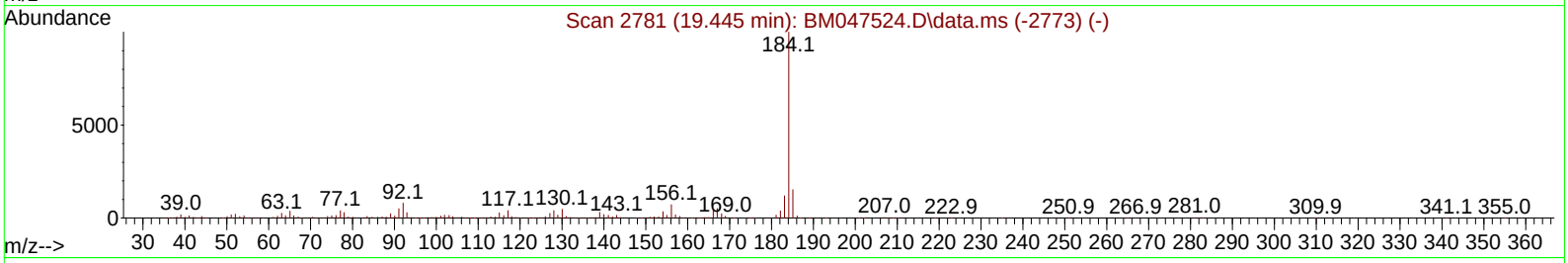
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 19 12:50:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration







TIC: BM047565.D\data.ms

(77) Benzidine

19.451min (+ 0.006) 2160538.53 ng m

response 4472986

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.44
183.00	12.00	11.35
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/19/2024	BNA_M	BM047565.D
Compound Name	**Response**	**Retention Time**
DDT	1796898	20.686
DDD	111808	20.245
DDE	3650	19.745
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
115458	1912356	6.04

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BL	SDG No.:	P3845
Lab Sample ID:	PB163318BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047567.D	1	09/12/24 08:40	09/19/24 12:35	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	1.00	U	1.00	10.0	ug/L
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
62-53-3	Aniline	1.60	U	1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	1.60	U	1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BL	SDG No.:	P3845
Lab Sample ID:	PB163318BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047567.D	1	09/12/24 08:40	09/19/24 12:35	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
103-33-3	Azobenzene	1.20	U	1.20	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
92-87-5	Benzidine	4.10	U	4.10	10.0	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	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
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	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
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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BL	SDG No.:	P3845
Lab Sample ID:	PB163318BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047567.D	1	09/12/24 08:40	09/19/24 12:35	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	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	124		10 - 139	83%	SPK: 150
13127-88-3	Phenol-d6	109		10 - 134	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.0		49 - 133	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.7		52 - 132	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		44 - 137	71%	SPK: 150
1718-51-0	Terphenyl-d14	95.1		48 - 125	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	354000	7.839			
1146-65-2	Naphthalene-d8	1340000	10.633			
15067-26-2	Acenaphthene-d10	660000	14.474			
1517-22-2	Phenanthrene-d10	1170000	17.209			
1719-03-5	Chrysene-d12	865000	21.433			
1520-96-3	Perylene-d12	939000	24.456			

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\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

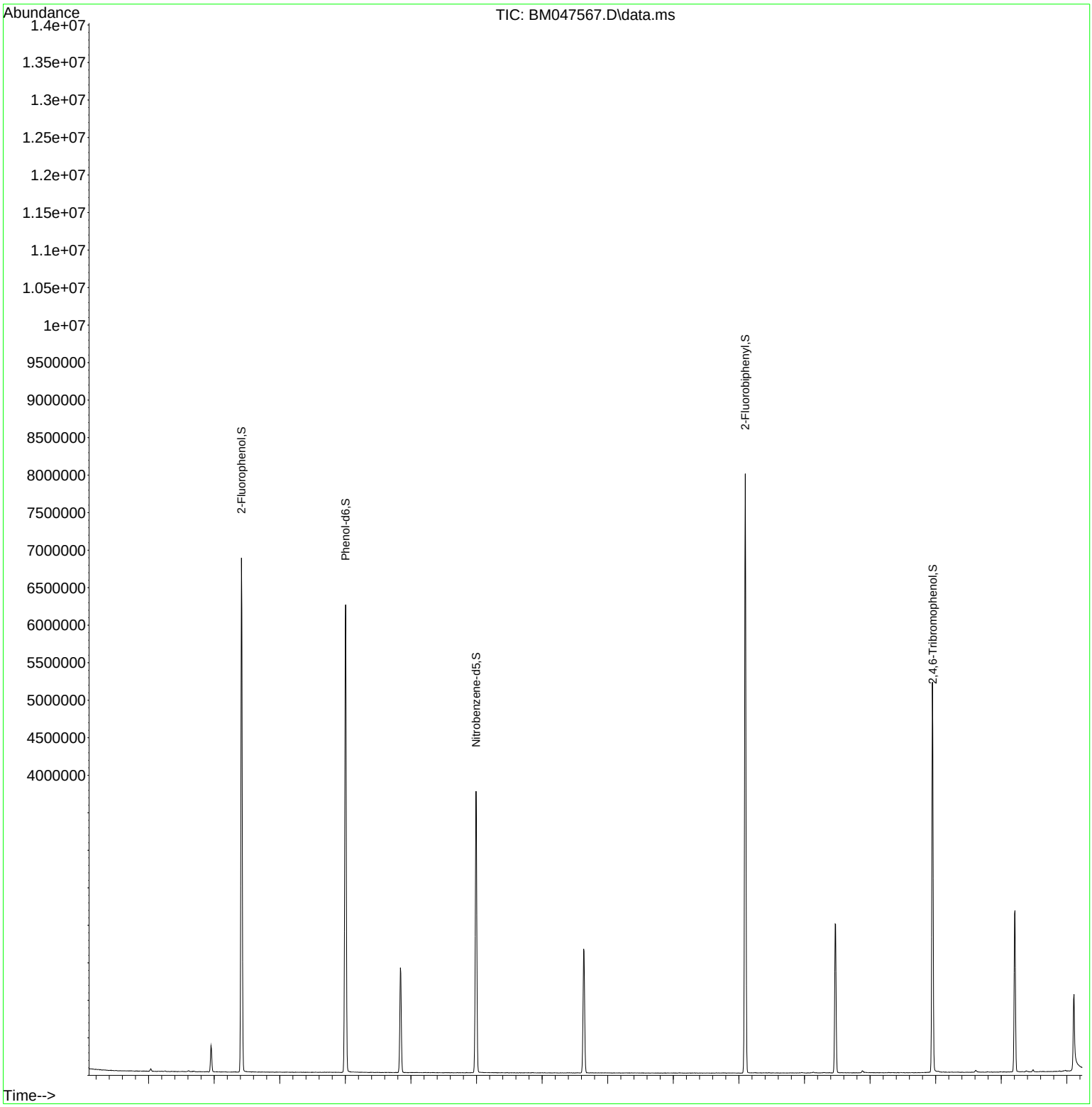
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	353821	20.000	ng	-0.01
21) Naphthalene-d8	10.633	136	1340234	20.000	ng	-0.01
39) Acenaphthene-d10	14.474	164	659710	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1165231	20.000	ng	0.00
76) Chrysene-d12	21.433	240	864552	20.000	ng	-0.01
86) Perylene-d12	24.456	264	939242	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	2760872	124.241	ng	0.00
7) Phenol-d6	7.004	99	3405572	108.822	ng	0.00
23) Nitrobenzene-d5	8.992	82	2088000	77.969	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	682393	107.014	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	3670972	76.653	ng	-0.01
79) Terphenyl-d14	19.821	244	4587860	95.092	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB163318BL

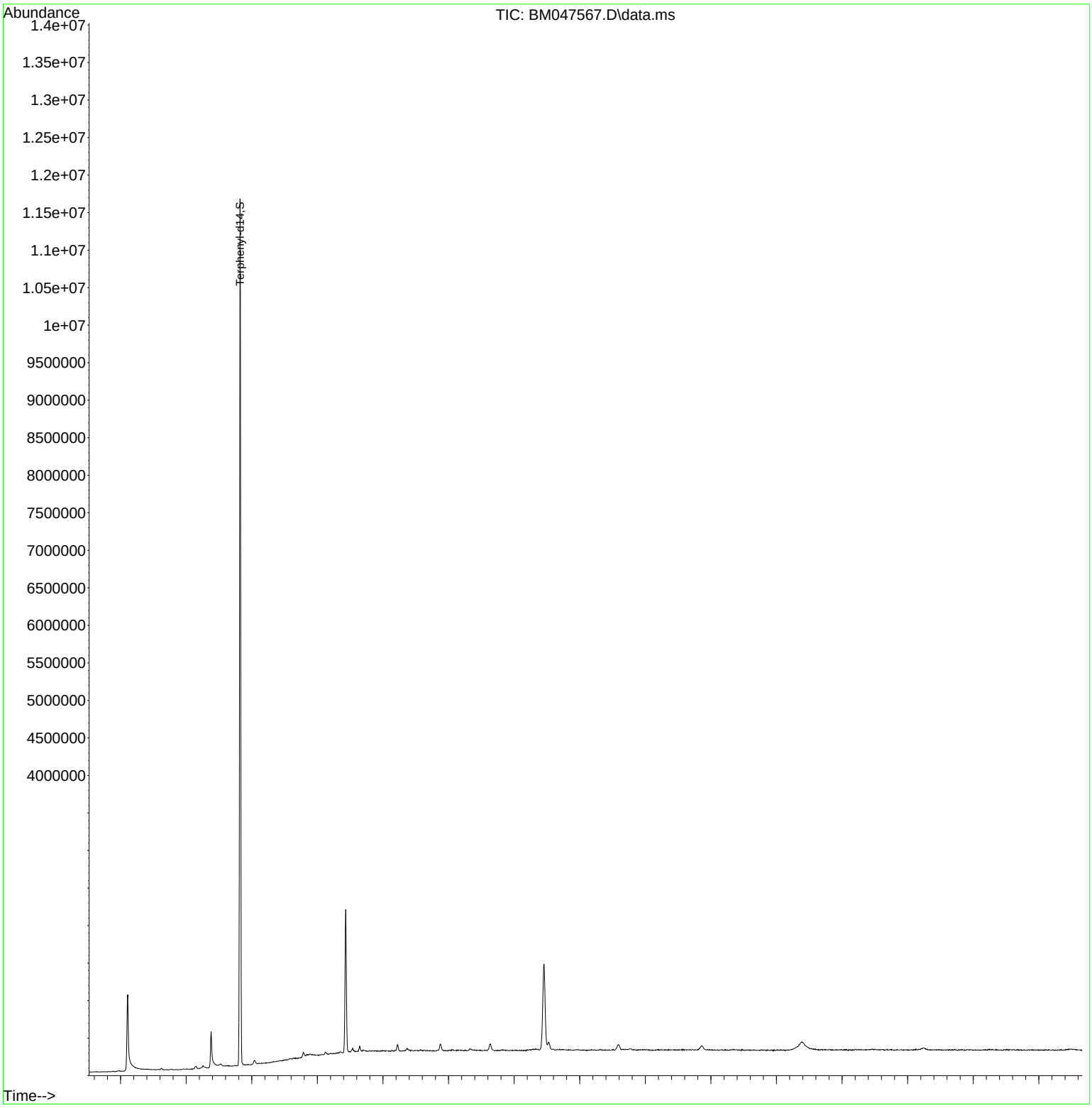
Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

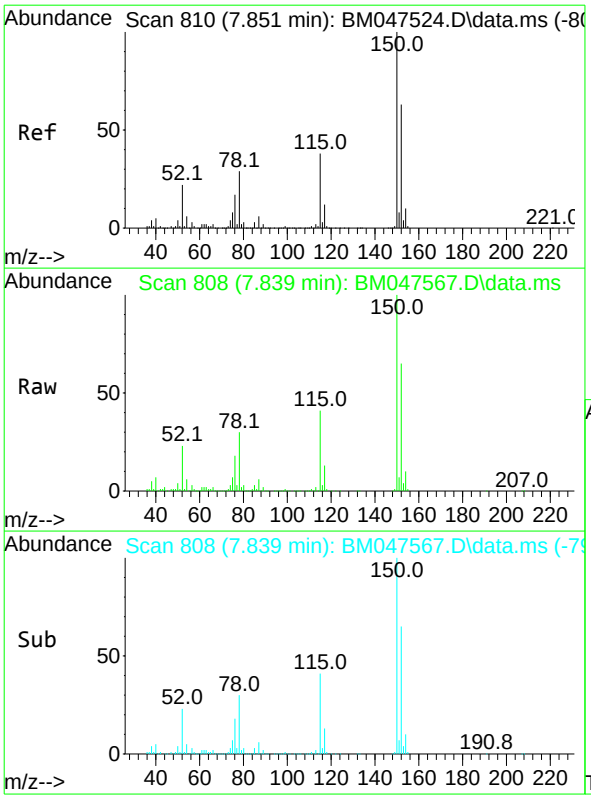


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



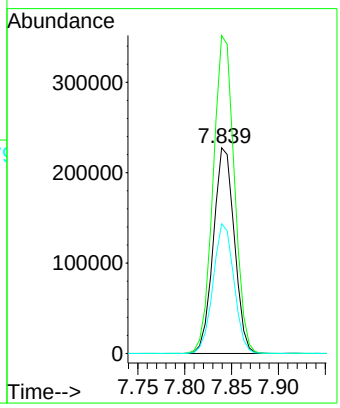


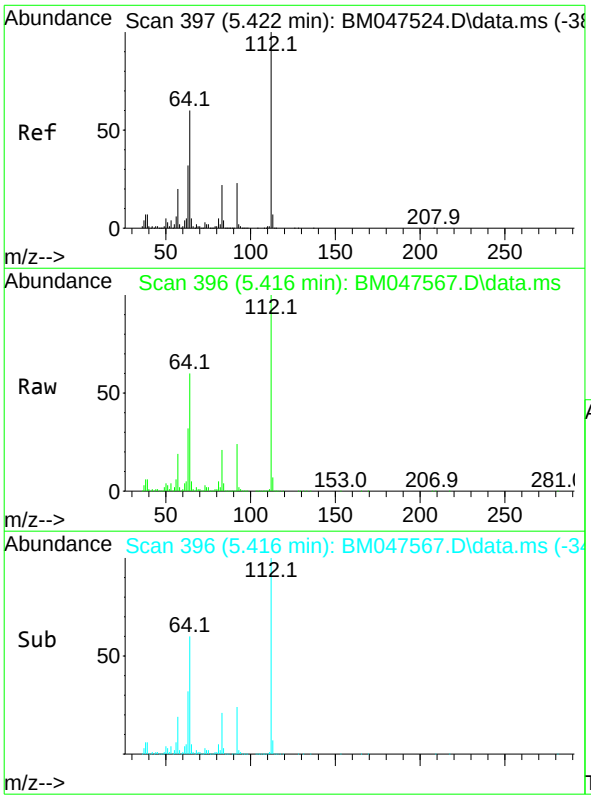
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Tgt Ion:152 Resp: 353821

Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.8	190.2
115	63.0	47.8	71.8

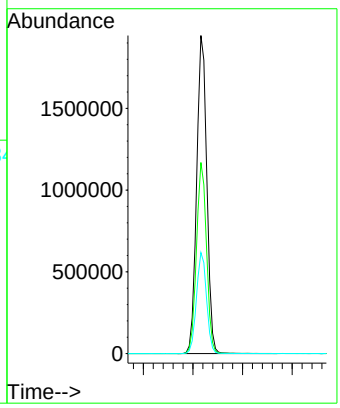


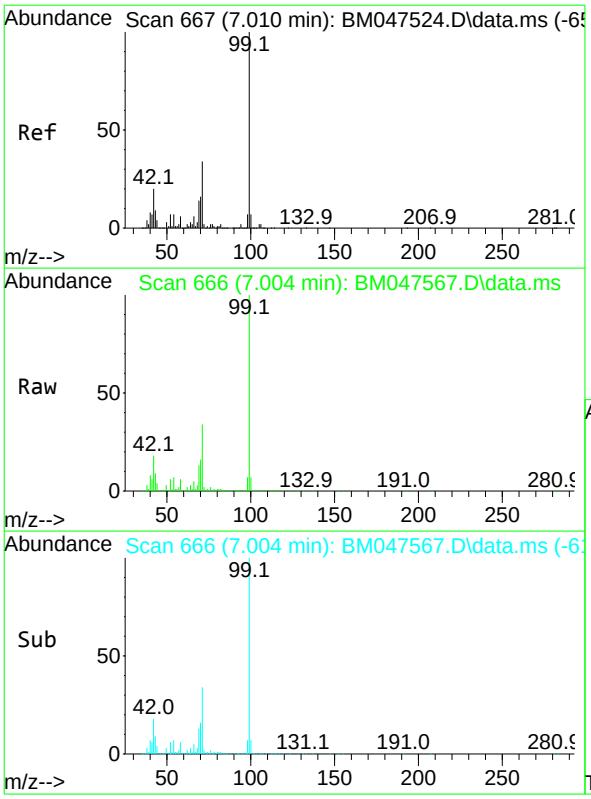


#5
2-Fluorophenol
Concen: 124.241 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:112 Resp: 2760872

Ion	Ratio	Lower	Upper
112	100		
64	60.1	48.2	72.4
63	31.8	26.0	39.0



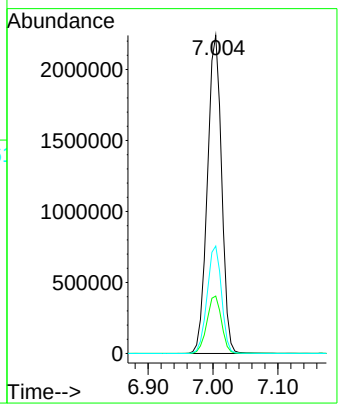


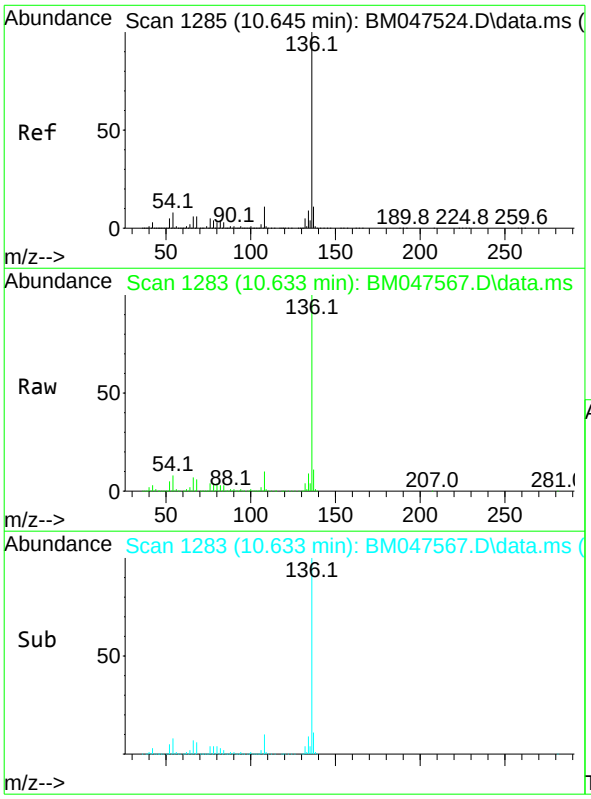
#7
Phenol-d6
Concen: 108.822 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Tgt Ion: 99 Resp: 3405572

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.8	23.8
71	33.8	27.6	41.4

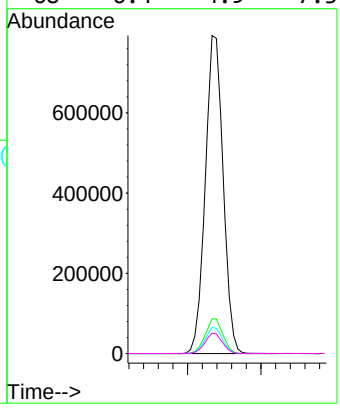


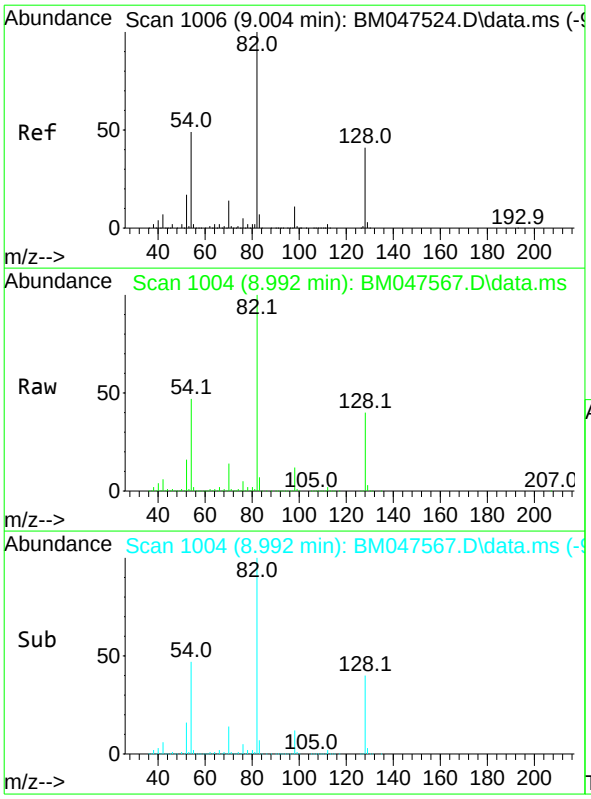


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:136 Resp: 1340234

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.2	6.6	9.8
68	6.4	4.9	7.3



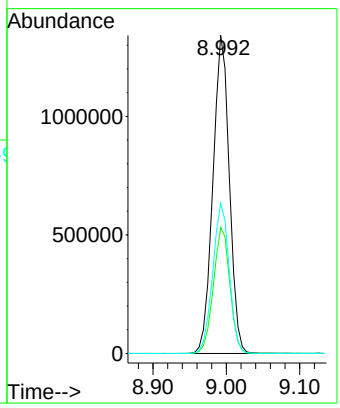


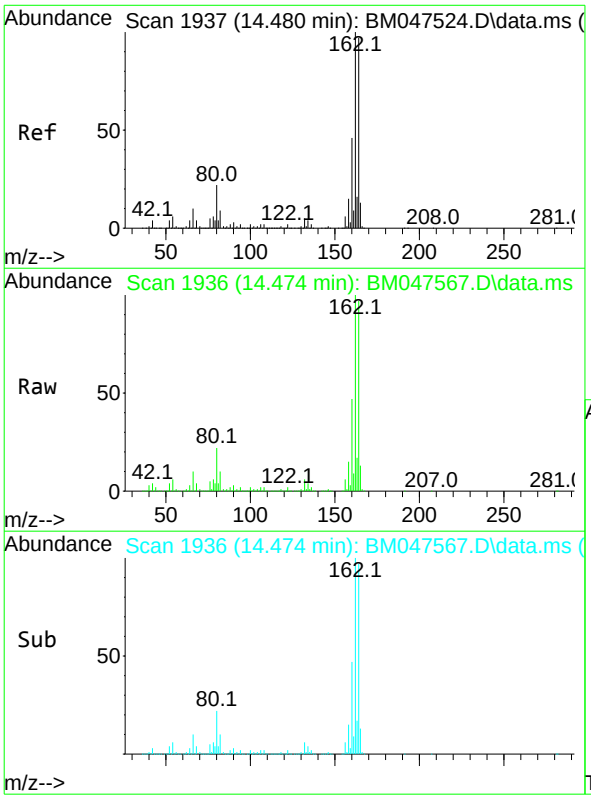
#23
Nitrobenzene-d5
Concen: 77.969 ng
RT: 8.992 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Tgt Ion: 82 Resp: 2088000

Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.0	49.4
54	47.2	39.3	58.9

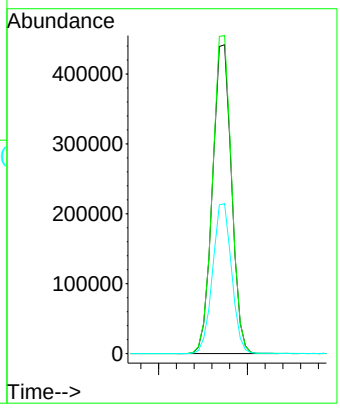


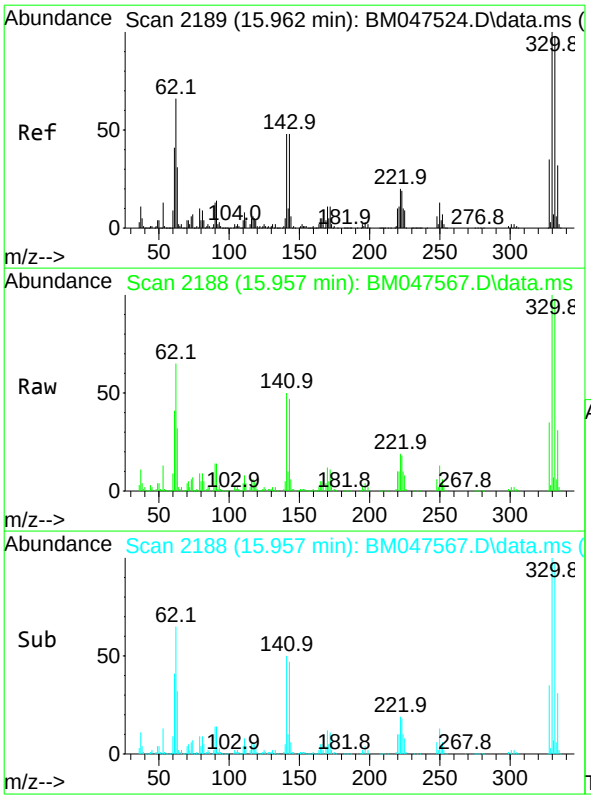


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:164 Resp: 659710

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.2	123.2
160	48.5	38.2	57.2



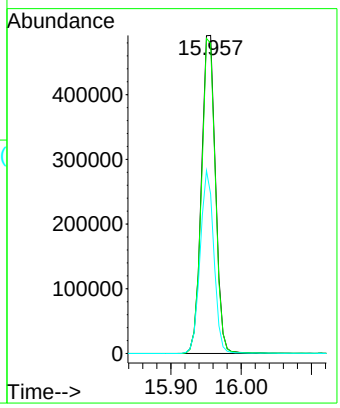


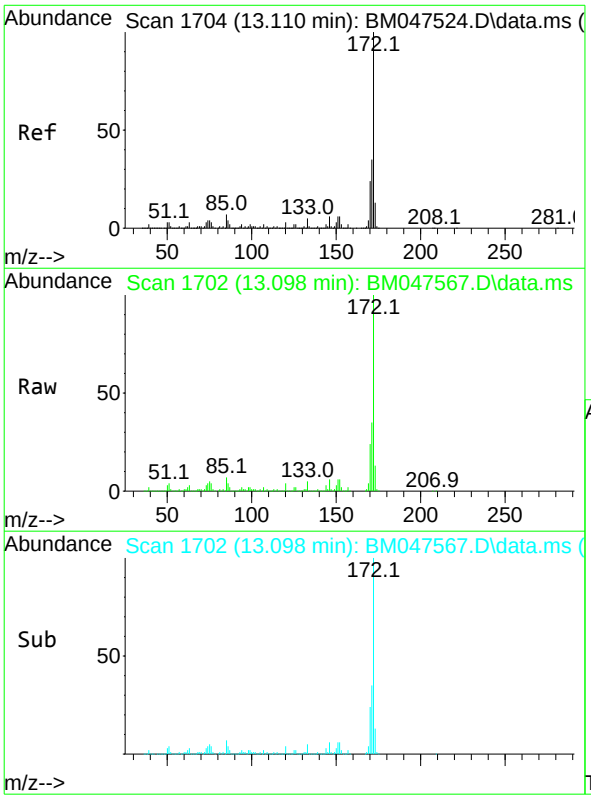
#42
2,4,6-Tribromophenol
Concen: 107.014 ng
RT: 15.957 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Tgt Ion:330 Resp: 682393

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.9	115.3
141	56.0	42.2	63.2

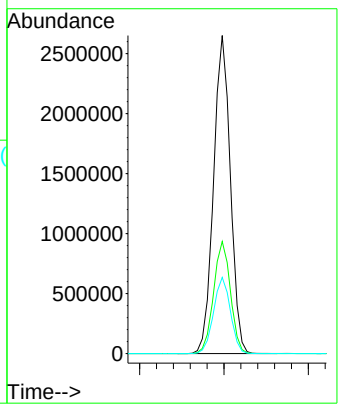


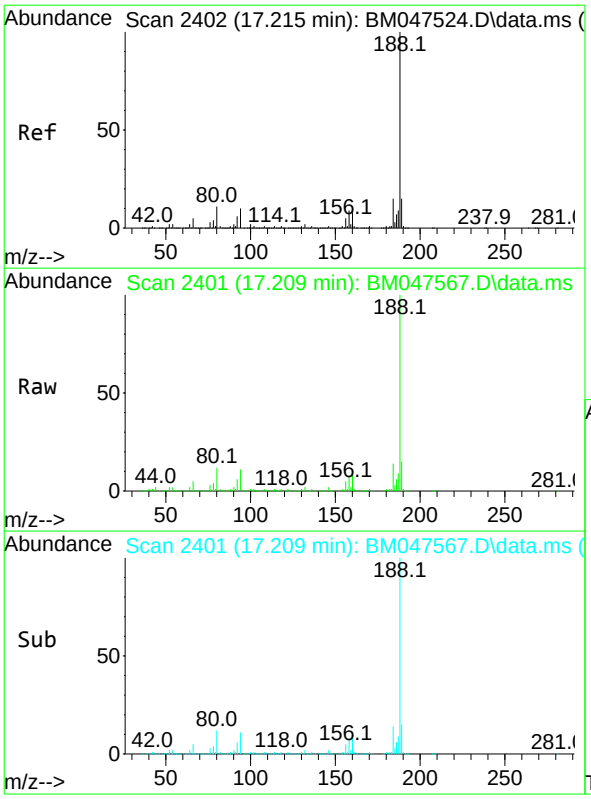


#45
2-Fluorobiphenyl
Concen: 76.653 ng
RT: 13.098 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:172 Resp: 3670972

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	24.0	19.4	29.0



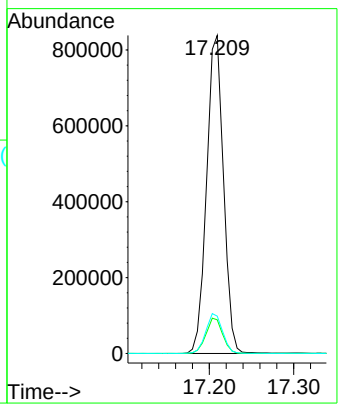


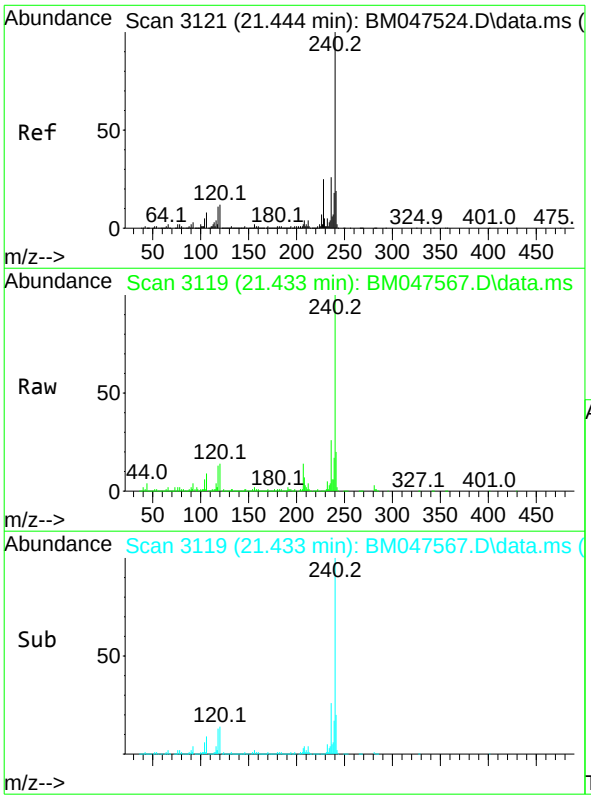
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Tgt Ion:188 Resp: 1165231

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.4	12.6
80	11.7	9.1	13.7

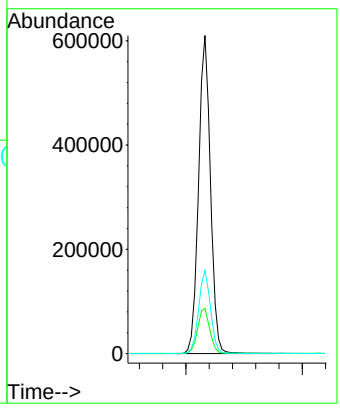


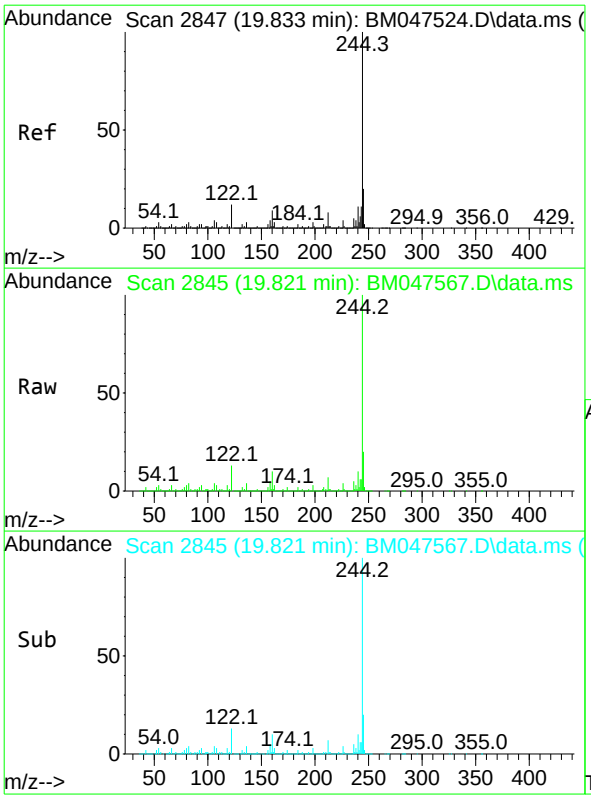


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:240 Resp: 864552

Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.6	14.4
236	26.2	20.9	31.3



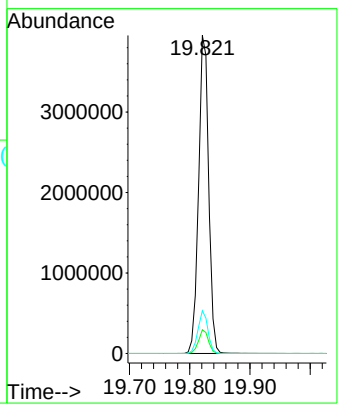


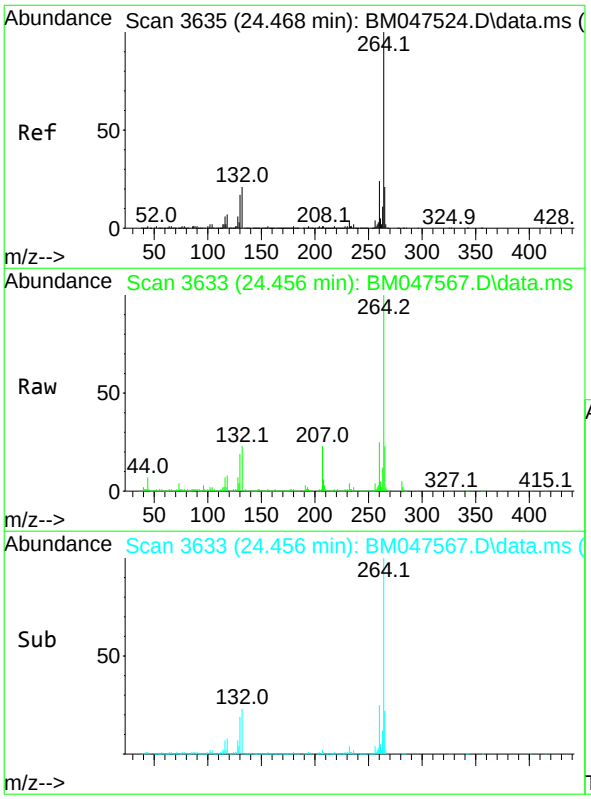
#79
Terphenyl-d14
Concen: 95.092 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Tgt Ion:244 Resp: 4587860

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.5	9.6	14.4

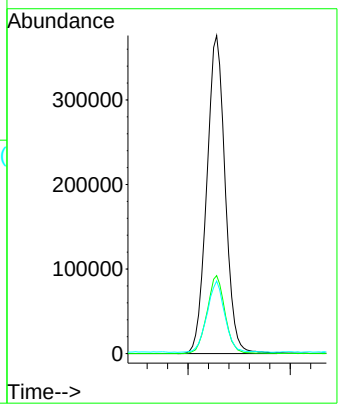




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:264 Resp: 939242

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.9	28.3
265	22.8	17.4	26.2



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BS	SDG No.:	P3845
Lab Sample ID:	PB163318BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047568.D	1	09/12/24 08:40	09/19/24 13:15	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	40.5		1.00	10.0	ug/L
110-86-1	Pyridine	36.5		1.60	5.00	ug/L
100-52-7	Benzaldehyde	17.6		4.00	10.0	ug/L
62-53-3	Aniline	46.2		1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	41.3		0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	42.7		0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.9		0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	45.6		1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.9		1.40	5.00	ug/L
98-86-2	Acetophenone	44.5		1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.3		1.50	2.50	ug/L
67-72-1	Hexachloroethane	44.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.1		1.30	5.00	ug/L
78-59-1	Isophorone	44.6		1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.8		1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	40.8		1.10	5.00	ug/L
91-20-3	Naphthalene	42.9		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	28.3		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.0		1.30	5.00	ug/L
105-60-2	Caprolactam	43.9		1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	45.6		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.5		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.7		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.9		0.93	5.00	ug/L
208-96-8	Acenaphthylene	49.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.2		1.20	5.00	ug/L

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BS	SDG No.:	P3845
Lab Sample ID:	PB163318BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047568.D	1	09/12/24 08:40	09/19/24 13:15	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	36.9		1.40	5.00	ug/L
83-32-9	Acenaphthene	51.0		0.81	5.00	ug/L
132-64-9	Dibenzofuran	44.5		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.50	5.00	ug/L
84-66-2	Diethylphthalate	45.2		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.9		0.98	5.00	ug/L
86-73-7	Fluorene	43.4		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.7		2.00	5.00	ug/L
86-30-6	n-Nitrosodiphenylamine	48.3		0.89	5.00	ug/L
103-33-3	Azobenzene	47.7		1.20	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.0		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	44.6		1.10	5.00	ug/L
1912-24-9	Atrazine	51.5		1.30	5.00	ug/L
85-01-8	Phenanthrene	46.6		0.89	5.00	ug/L
120-12-7	Anthracene	49.2		1.10	5.00	ug/L
86-74-8	Carbazole	46.3		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	50.0		1.50	5.00	ug/L
206-44-0	Fluoranthene	43.7		1.30	5.00	ug/L
92-87-5	Benzidine	88.9	E	4.10	10.0	ug/L
129-00-0	Pyrene	48.8		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	56.6		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	50.4		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.6		0.94	5.00	ug/L
218-01-9	Chrysene	48.4		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.6		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	61.1		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.6		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	47.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.4		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	63.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	62.3		1.20	5.00	ug/L

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BS	SDG No.:	P3845
Lab Sample ID:	PB163318BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047568.D	1	09/12/24 08:40	09/19/24 13:15	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	59.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.8		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.9		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	39.3		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	156		10 - 139	104%	SPK: 150
13127-88-3	Phenol-d6	140		10 - 134	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.8		52 - 132	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	305000	7.839			
1146-65-2	Naphthalene-d8	1200000	10.639			
15067-26-2	Acenaphthene-d10	615000	14.474			
1517-22-2	Phenanthrene-d10	1070000	17.209			
1719-03-5	Chrysene-d12	845000	21.433			
1520-96-3	Perylene-d12	809000	24.456			

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\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.839	152	304822	20.000	ng		-0.01
21) Naphthalene-d8	10.639	136	1201949	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	615193	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1066013	20.000	ng		0.00
76) Chrysene-d12	21.433	240	844898	20.000	ng		-0.01
86) Perylene-d12	24.456	264	808669	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	2977701	155.538	ng		0.00
7) Phenol-d6	7.004	99	3778517	140.148	ng		0.00
23) Nitrobenzene-d5	8.992	82	2308971	96.140	ng		-0.01
42) 2,4,6-Tribromophenol	15.957	330	846795	142.405	ng		0.00
45) 2-Fluorobiphenyl	13.098	172	4276289	95.753	ng		-0.01
79) Terphenyl-d14	19.821	244	5250065	111.348	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	319087	38.913	ng		99
3) Pyridine	3.710	79	889857	36.457	ng		97
4) n-Nitrosodimethylamine	3.616	42	449033	40.547	ng		92
6) Aniline	7.163	93	1104091	46.192	ng		100
8) 2-Chlorophenol	7.404	128	956923	45.342	ng		99
9) Benzaldehyde	6.975	77	225755	17.610	ng		99
10) Phenol	7.028	94	1246324	46.168	ng		99
11) bis(2-Chloroethyl)ether	7.263	93	957527	44.181	ng		99
12) 1,3-Dichlorobenzene	7.734	146	986124	42.689	ng		97
13) 1,4-Dichlorobenzene	7.881	146	1008844	42.877	ng		99
14) 1,2-Dichlorobenzene	8.192	146	956357	41.302	ng		99
15) Benzyl Alcohol	8.075	79	832704	45.596	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.363	45	1308822	42.931	ng		98
17) 2-Methylphenol	8.281	107	767865	44.525	ng		98
18) Hexachloroethane	8.928	117	413357	43.978	ng		95
19) n-Nitroso-di-n-propyla...	8.645	70	750456	41.284	ng		97
20) 3+4-Methylphenols	8.604	107	1051801	43.710	ng		99
22) Acetophenone	8.663	105	1406407	44.507	ng	#	98
24) Nitrobenzene	9.039	77	1087814	44.079	ng		99
25) Isophorone	9.569	82	1883754	44.615	ng		99
26) 2-Nitrophenol	9.745	139	421154	50.080	ng		99
27) 2,4-Dimethylphenol	9.810	122	727014	57.029	ng		99
28) bis(2-Chloroethoxy)met...	10.045	93	1187038	44.757	ng		99
29) 2,4-Dichlorophenol	10.280	162	755002	46.616	ng		98
30) 1,2,4-Trichlorobenzene	10.498	180	756092	40.754	ng		97
31) Naphthalene	10.686	128	2788005	42.949	ng		99
32) Benzoic acid	9.928	122	523714	42.558	ng		99
33) 4-Chloroaniline	10.786	127	664735	28.322	ng		99
34) Hexachlorobutadiene	10.980	225	421556	41.024	ng		99
35) Caprolactam	11.563	113	233945m	43.854	ng		
36) 4-Chloro-3-methylphenol	11.910	107	833110	44.885	ng		97
37) 2-Methylnaphthalene	12.298	142	1830535	42.369	ng		99
38) 1-Methylnaphthalene	12.516	142	1686622	39.283	ng		99
40) 1,2,4,5-Tetrachloroben...	12.669	216	778787	46.783	ng	#	97
41) Hexachlorocyclopentadiene	12.657	237	931901	171.243	ng		99
43) 2,4,6-Trichlorophenol	12.904	196	513517	49.239	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	561526	47.669	ng		99
46) 1,1'-Biphenyl	13.310	154	2181353	45.573	ng		100
47) 2-Chloronaphthalene	13.351	162	1655276	44.537	ng		99
48) 2-Nitroaniline	13.545	65	542727	49.716	ng		98
49) Acenaphthylene	14.192	152	2642771	49.275	ng		99
50) Dimethylphthalate	13.927	163	1922665	45.854	ng		99
51) 2,6-Dinitrotoluene	14.039	165	391098	44.184	ng		92
52) Acenaphthene	14.539	154	1916152m	50.990	ng		
53) 3-Nitroaniline	14.363	138	363030	36.898	ng		97
54) 2,4-Dinitrophenol	14.568	184	418269	82.737	ng		98
55) Dibenzofuran	14.868	168	2348412	44.471	ng		97
56) 4-Nitrophenol	14.674	139	855296	105.644	ng		96
57) 2,4-Dinitrotoluene	14.821	165	541739	45.889	ng		94
58) Fluorene	15.515	166	2064805	43.429	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	426009	46.385	ng		95
60) Diethylphthalate	15.292	149	2017759	45.216	ng		99
61) 4-Chlorophenyl-phenyle...	15.515	204	910211	41.870	ng		97
62) 4-Nitroaniline	15.527	138	505374	43.698	ng		97
63) Azobenzene	15.804	77	2344863	47.721	ng		97
65) 4,6-Dinitro-2-methylph...	15.586	198	240735	44.884	ng		96
66) n-Nitrosodiphenylamine	15.721	169	1575610	48.315	ng		99
67) 4-Bromophenyl-phenylether	16.404	248	455967	44.020	ng		97
68) Hexachlorobenzene	16.521	284	523759	44.635	ng		98
69) Atrazine	16.674	200	463991	51.477	ng		99
70) Pentachlorophenol	16.857	266	709776	104.346	ng		100
71) Phenanthrene	17.251	178	2739821	46.637	ng		100
72) Anthracene	17.339	178	2777929	49.217	ng		100
73) Carbazole	17.604	167	2587365	46.256	ng		99
74) Di-n-butylphthalate	18.180	149	3345257	49.983	ng		100
75) Fluoranthene	19.256	202	2800166	43.686	ng		97
77) Benzidine	19.439	184	1057298	88.854	ng		99
78) Pyrene	19.621	202	3005093	48.761	ng		100
80) Butylbenzylphthalate	20.515	149	1341786	56.558	ng		96
81) Benzo(a)anthracene	21.415	228	2677135	48.613	ng		99
82) 3,3'-Dichlorobenzidine	21.333	252	737815	50.365	ng		98
83) Chrysene	21.474	228	2522781	48.432	ng		99
84) Bis(2-ethylhexyl)phtha...	21.344	149	2065319	55.572	ng	#	98
85) Di-n-octyl phthalate	22.491	149	3210329	61.068	ng		98
87) Indeno(1,2,3-cd)pyrene	27.879	276	3081058	63.665	ng		99
88) Benzo(b)fluoranthene	23.503	252	2436128	46.560	ng		98
89) Benzo(k)fluoranthene	23.562	252	2478620	47.799	ng		98
90) Benzo(a)pyrene	24.315	252	2289428	53.387	ng		99
91) Dibenzo(a,h)anthracene	27.944	278	2538011	62.334	ng		99
92) Benzo(g,h,i)perylene	28.944	276	2345773	58.978	ng		98

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

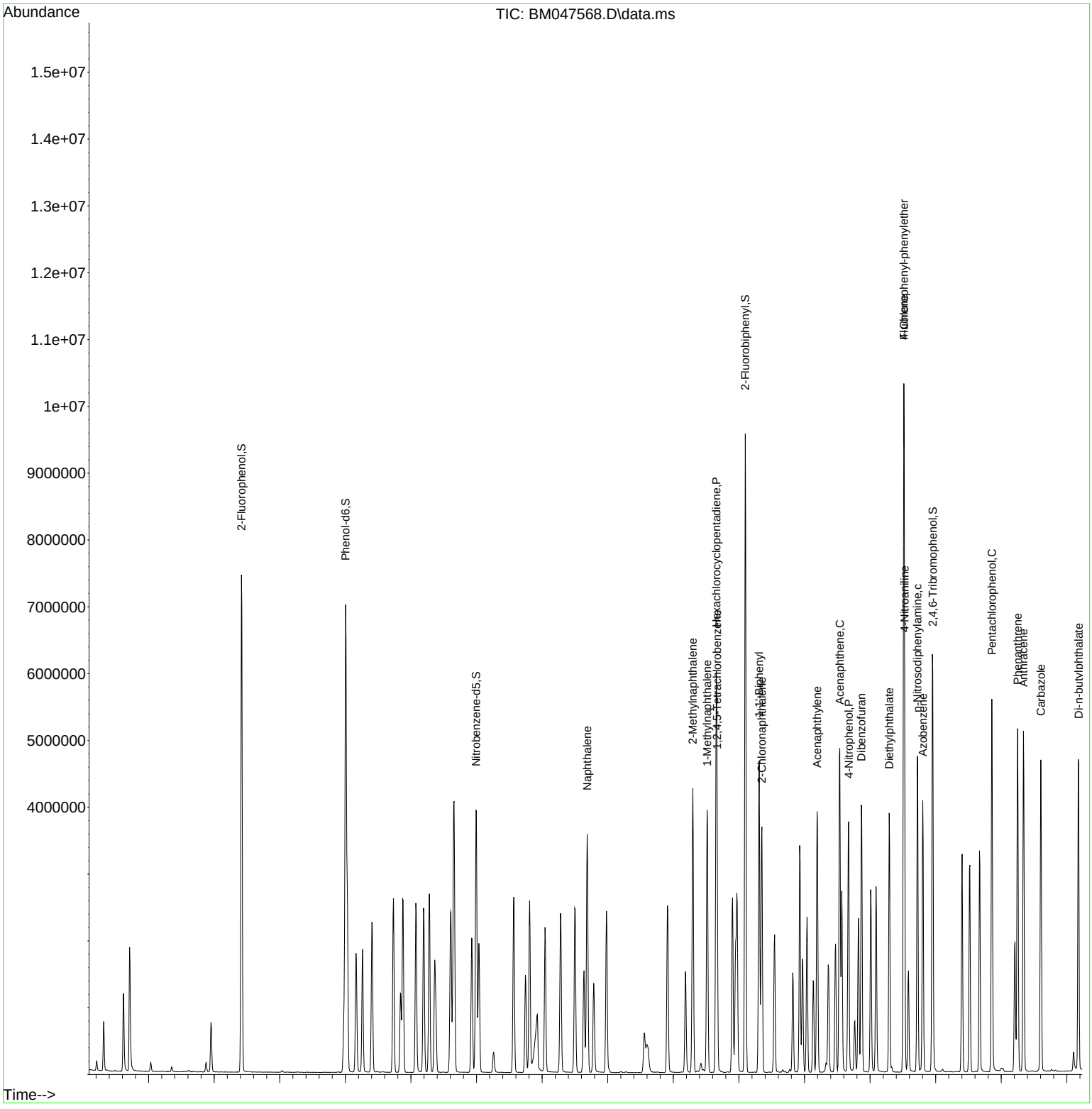
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



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Sample : PB163318BS
Misc :
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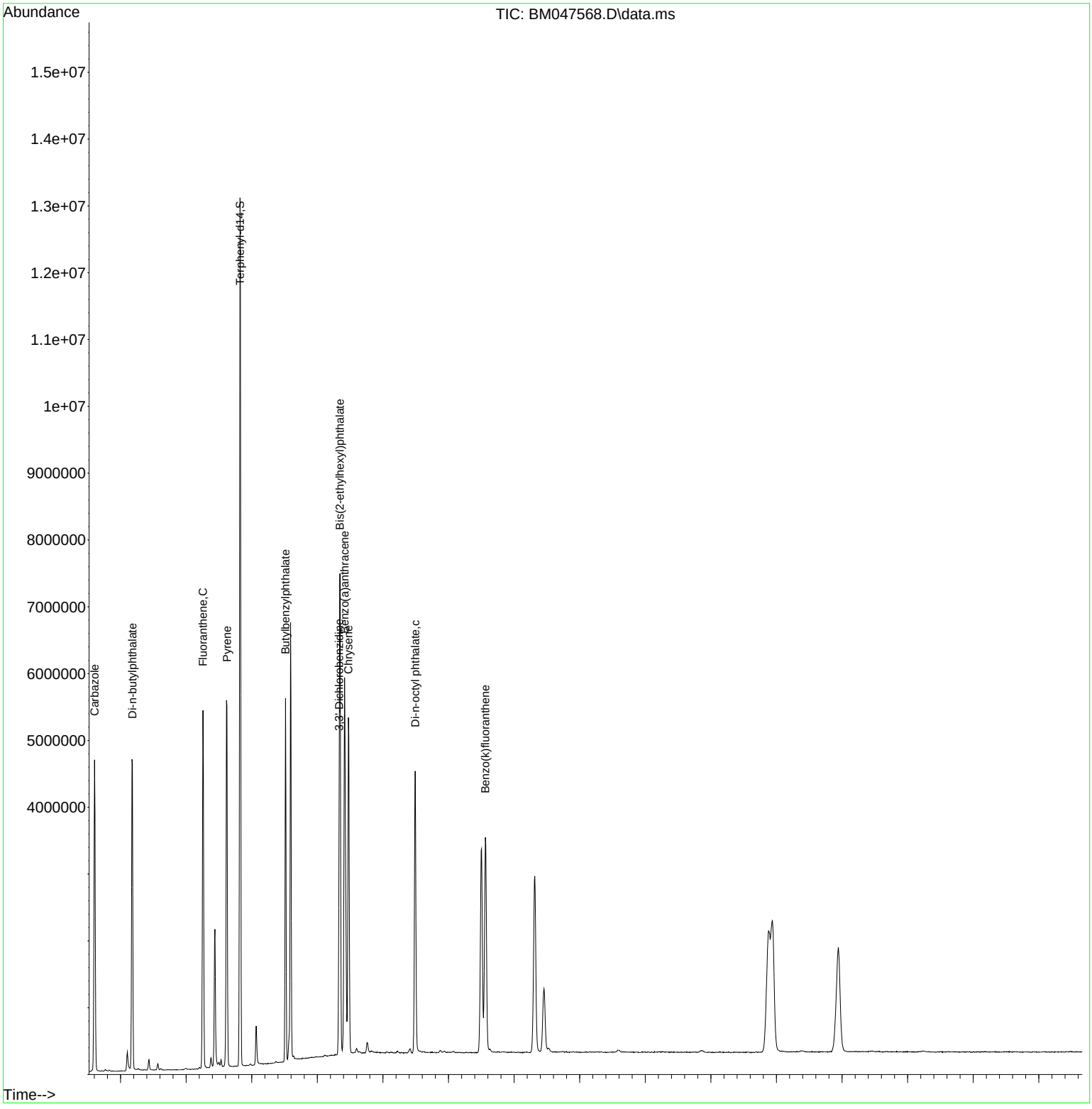
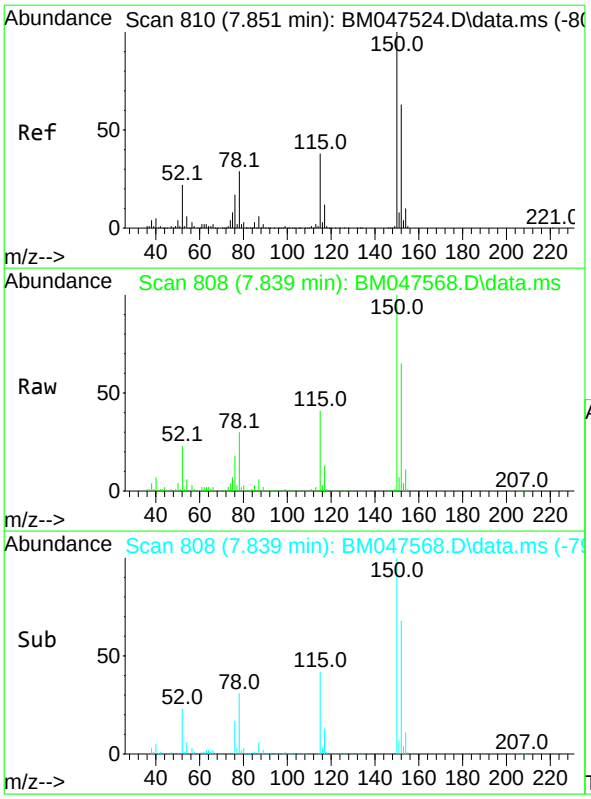
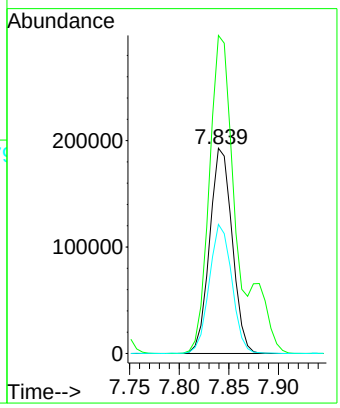




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:152 Resp: 304822

Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.8	190.2
115	62.9	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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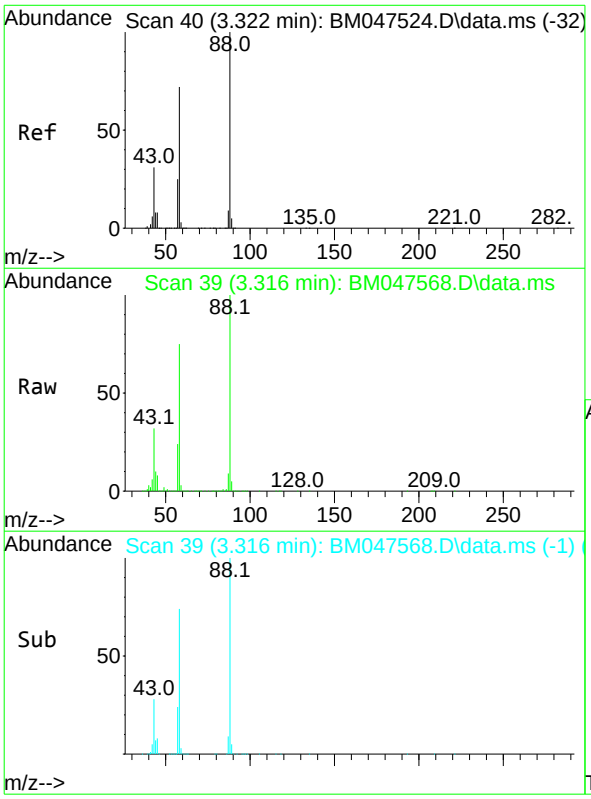
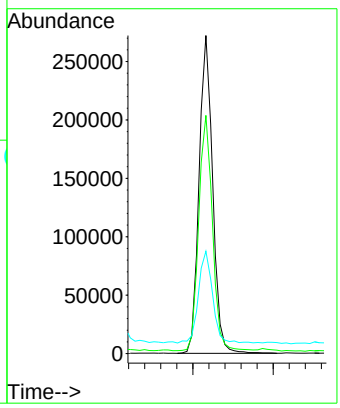
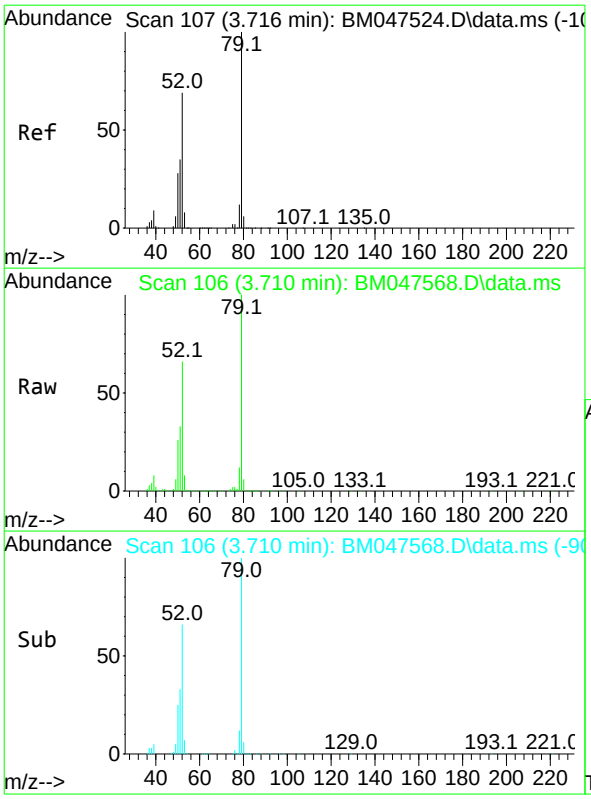


#2
1,4-Dioxane
Concen: 38.913 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 88 Resp: 319087

Ion	Ratio	Lower	Upper
88	100		
58	74.7	59.0	88.6
43	30.0	25.0	37.4

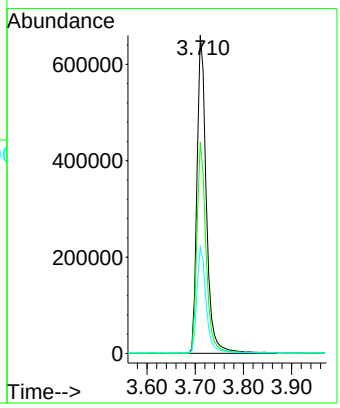




#3
Pyridine
Concen: 36.457 ng
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 79 Resp: 889857

Ion	Ratio	Lower	Upper
79	100		
52	66.4	55.4	83.0
51	33.4	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
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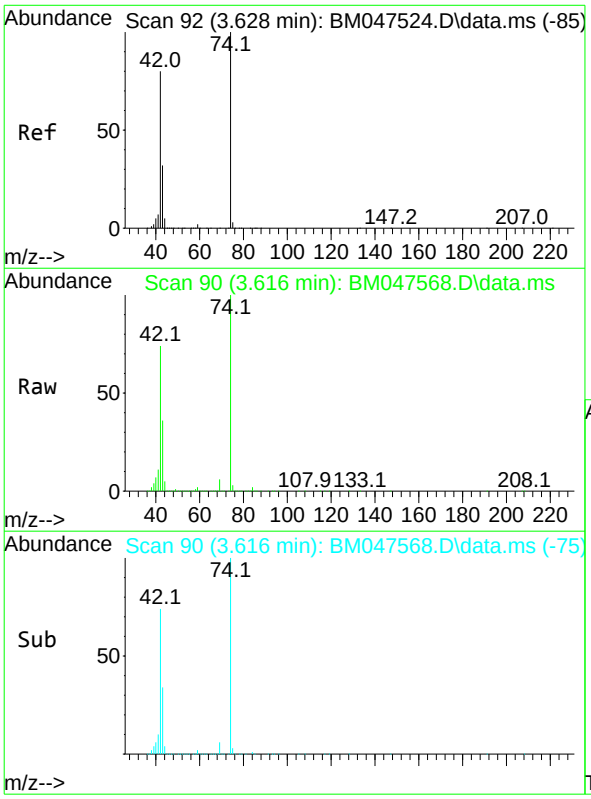
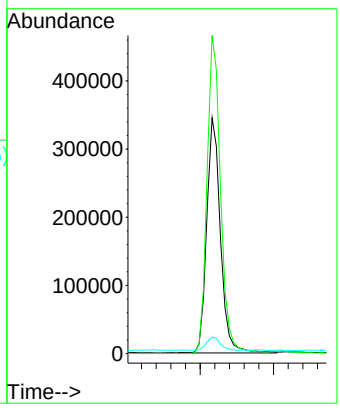
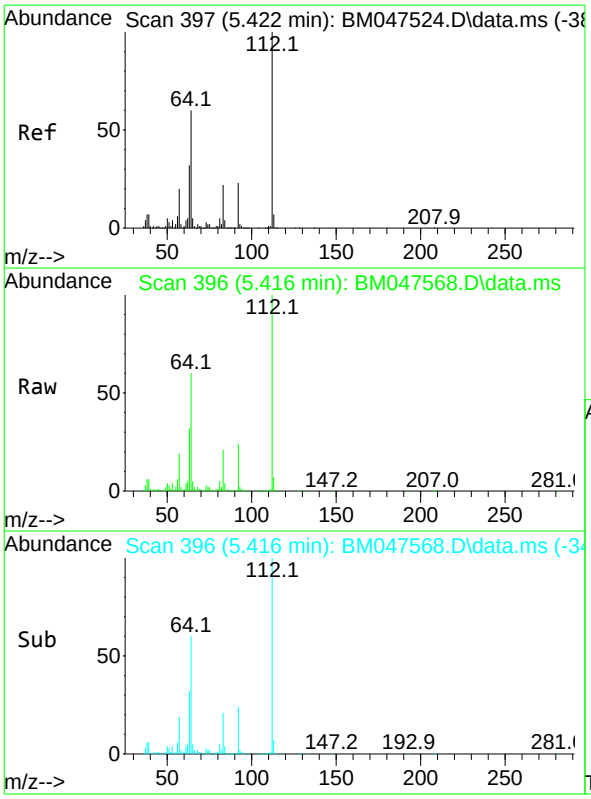


#4
n-Nitrosodimethylamine
Concen: 40.547 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 42 Resp: 449033

Ion	Ratio	Lower	Upper
42	100		
74	134.9	100.5	150.7
44	7.0	6.9	10.3

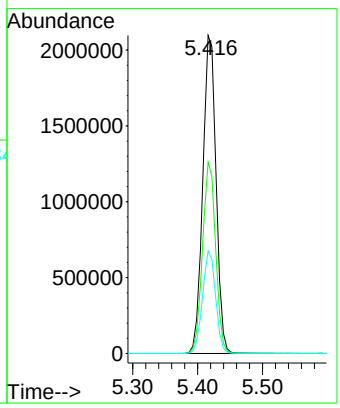




#5
2-Fluorophenol
Concen: 155.538 ng
RT: 5.416 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:112 Resp: 2977701

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.2	72.4
63	32.3	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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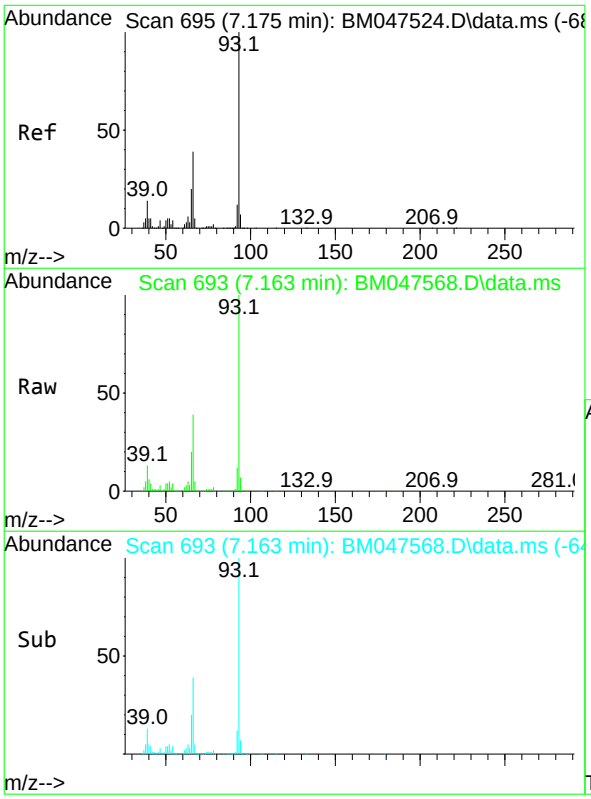
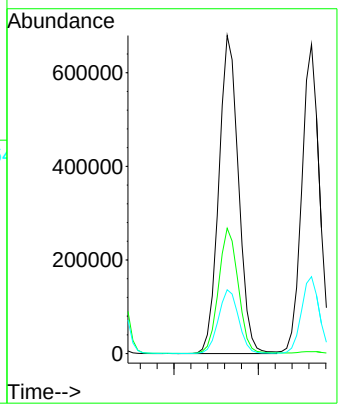
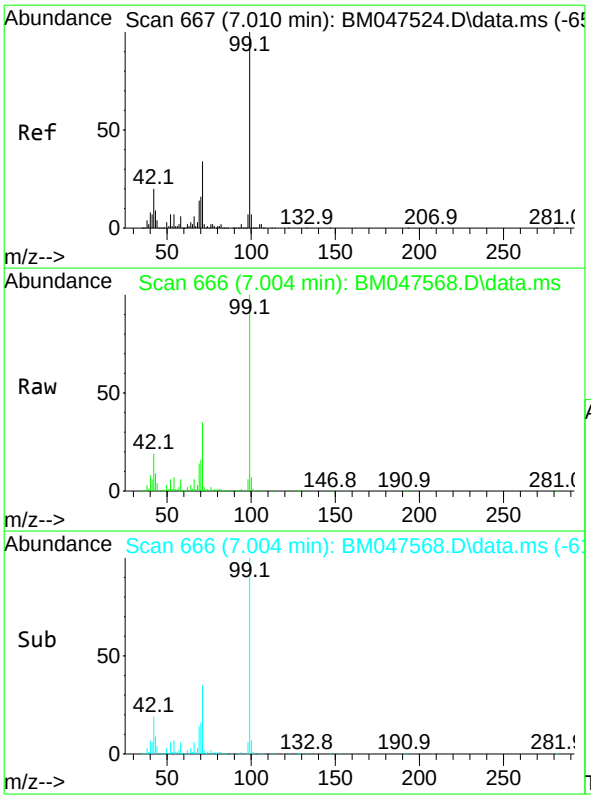


#6
Aniline
Concen: 46.192 ng
RT: 7.163 min Scan# 693
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 93 Resp: 1104091

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.4	47.0
65	20.1	16.3	24.5

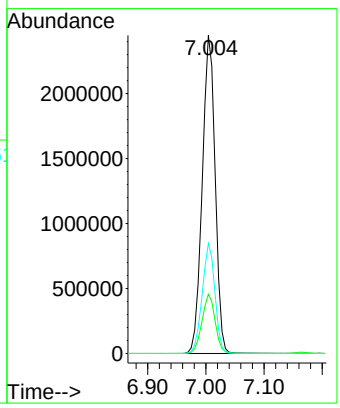




#7
Phenol-d6
Concen: 140.148 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 99 Resp: 3778517

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.8
71	34.6	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
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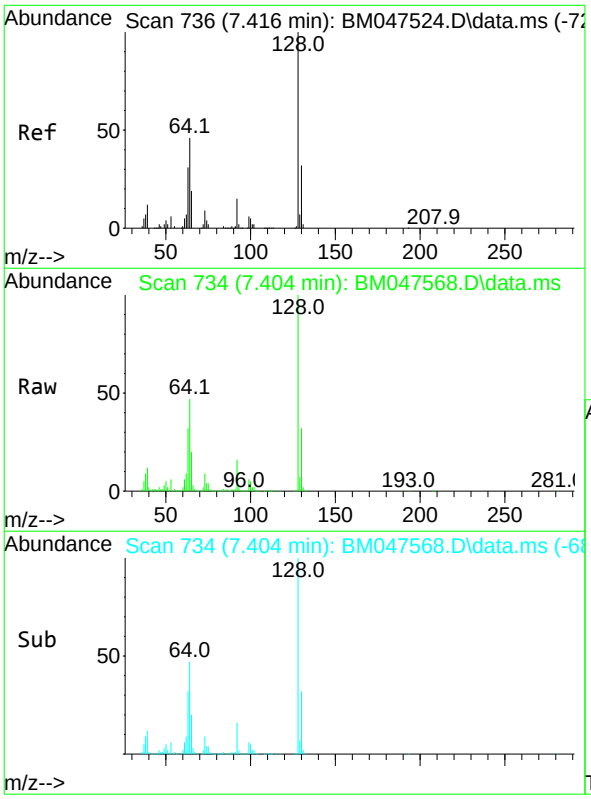
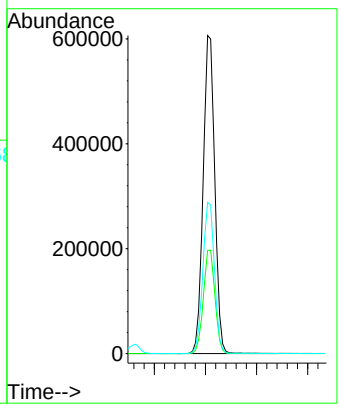
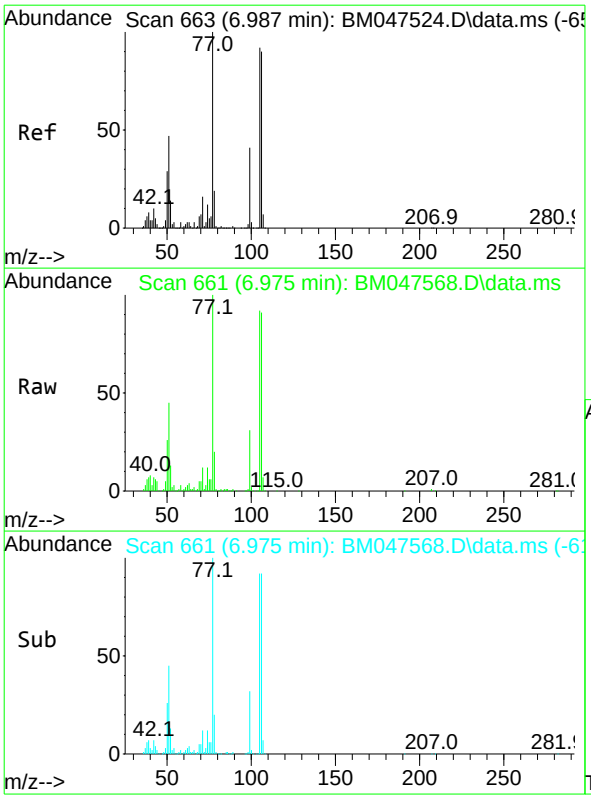


#8
2-Chlorophenol
Concen: 45.342 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:128 Resp: 956923

Ion	Ratio	Lower	Upper
128	100		
130	32.4	11.8	51.8
64	47.5	27.6	67.6

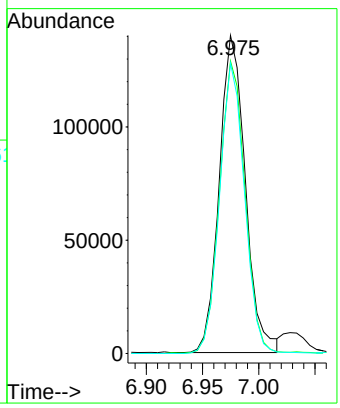




#9
Benzaldehyde
Concen: 17.610 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 77 Resp: 225755

Ion	Ratio	Lower	Upper
77	100		
105	91.9	71.8	111.8
106	91.3	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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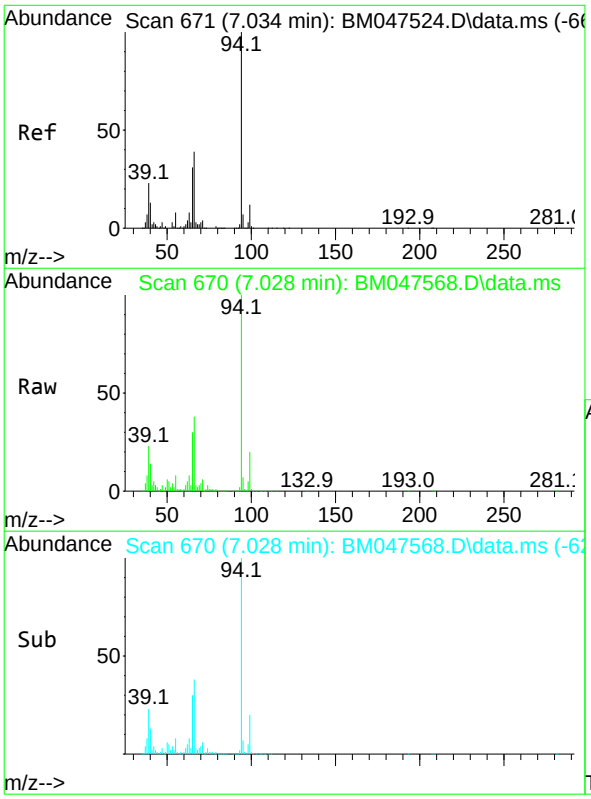
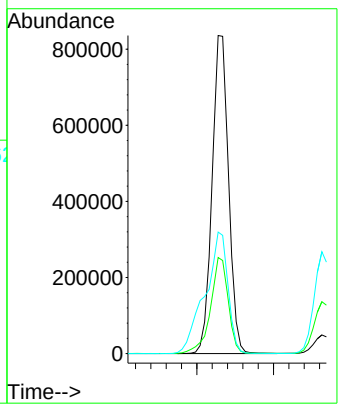
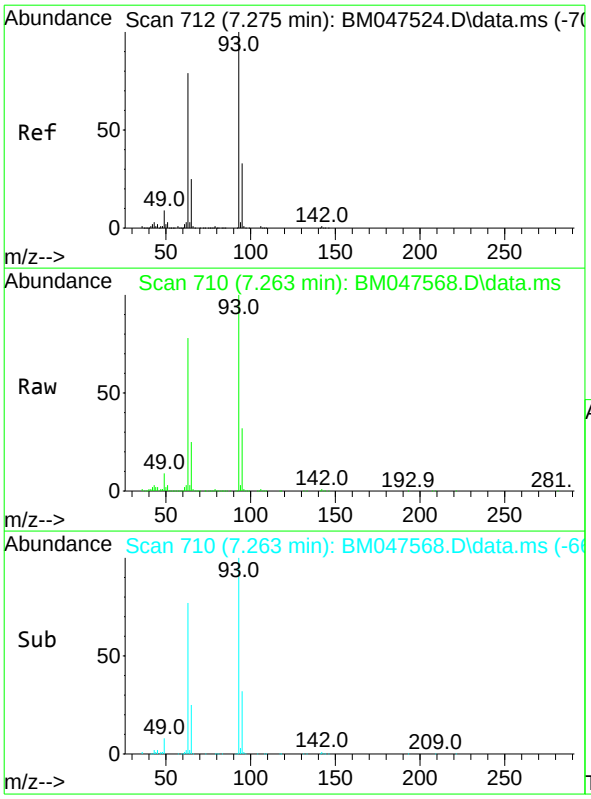


#10
Phenol
Concen: 46.168 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 94 Resp: 1246324

Ion	Ratio	Lower	Upper
94	100		
65	30.2	10.8	50.8
66	38.2	19.2	59.2

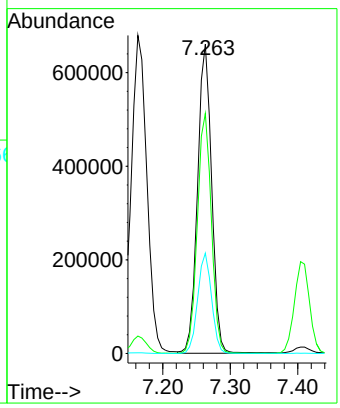




#11
bis(2-Chloroethyl)ether
Concen: 44.181 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 93 Resp: 957527

Ion	Ratio	Lower	Upper
93	100		
63	77.6	58.2	98.2
95	32.4	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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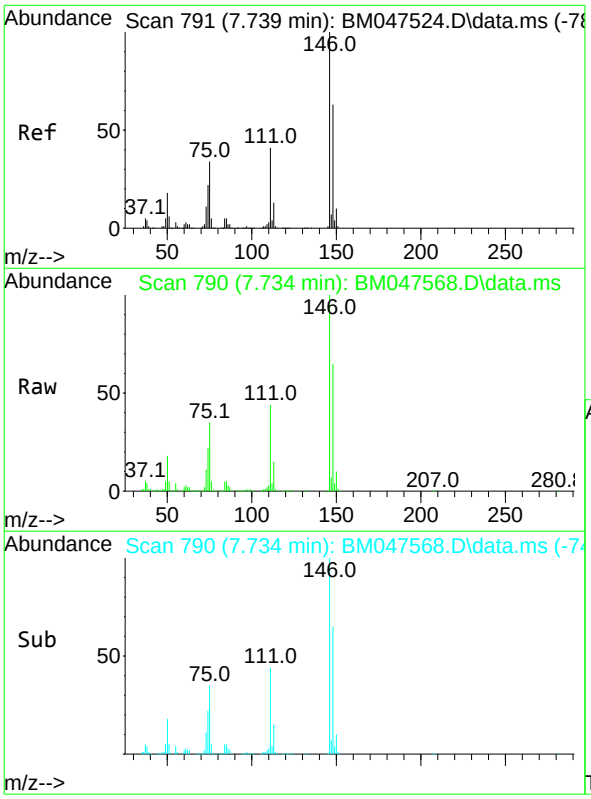
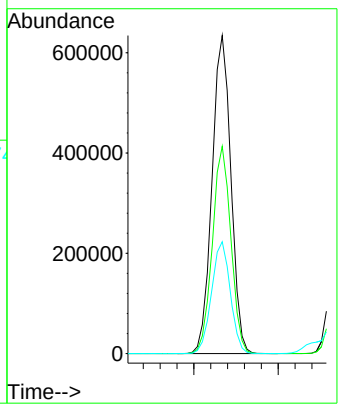
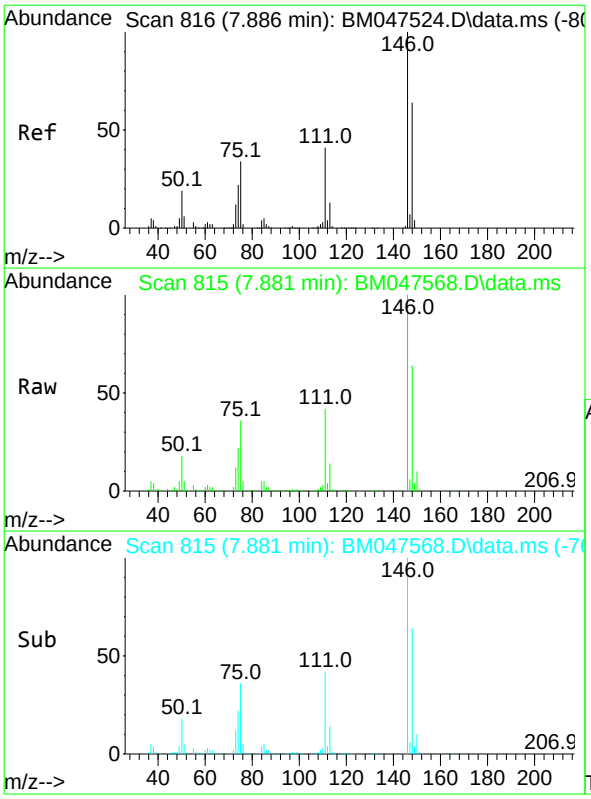


#12
1,3-Dichlorobenzene
Concen: 42.689 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:146 Resp: 986124

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.2	75.4
75	35.2	27.4	41.0





#13
1,4-Dichlorobenzene
Concen: 42.877 ng
RT: 7.881 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:146 Resp: 1008844

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	42.2	32.9	49.3

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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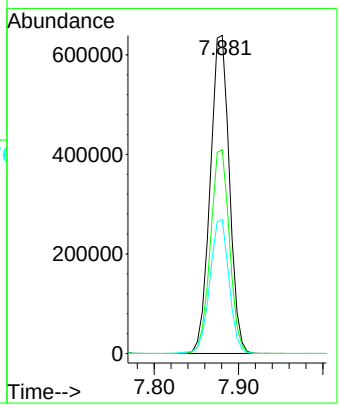
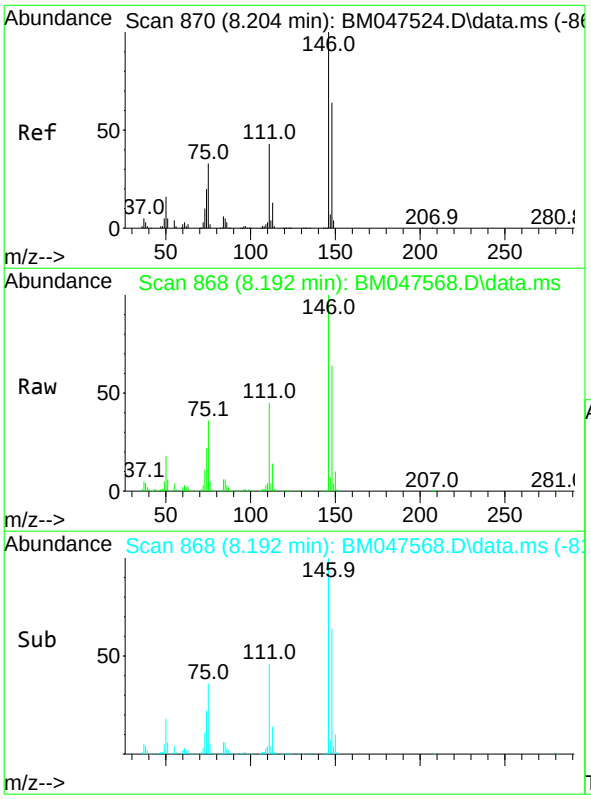
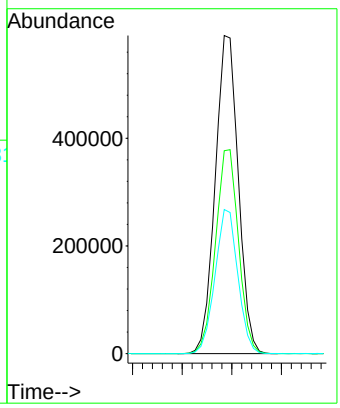


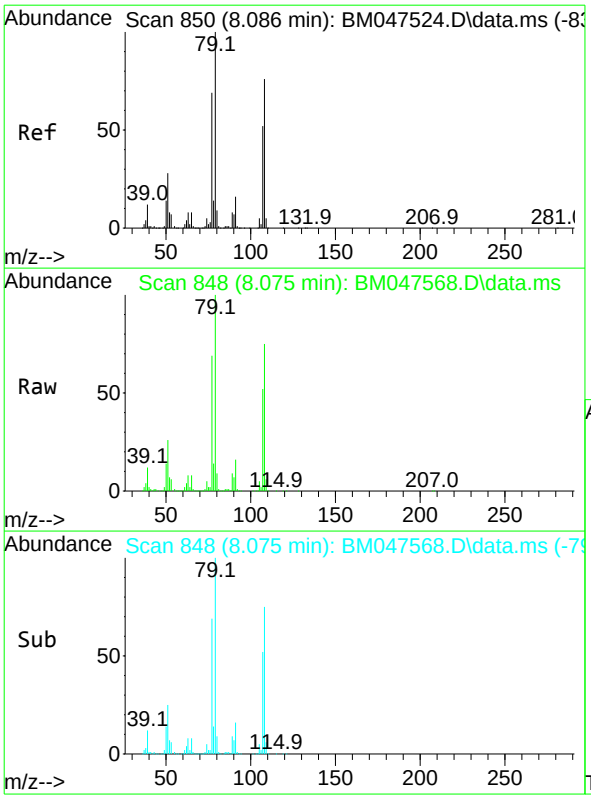


#14
1,2-Dichlorobenzene
Concen: 41.302 ng
RT: 8.192 min Scan# 868
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:146 Resp: 956357

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
111	45.3	34.7	52.1

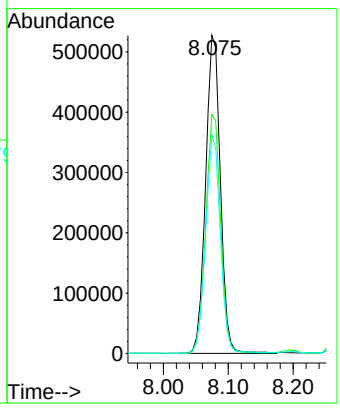




#15
Benzyl Alcohol
Concen: 45.596 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 79 Resp: 832704

Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.6	91.0
77	68.7	55.0	82.4



Instrument :
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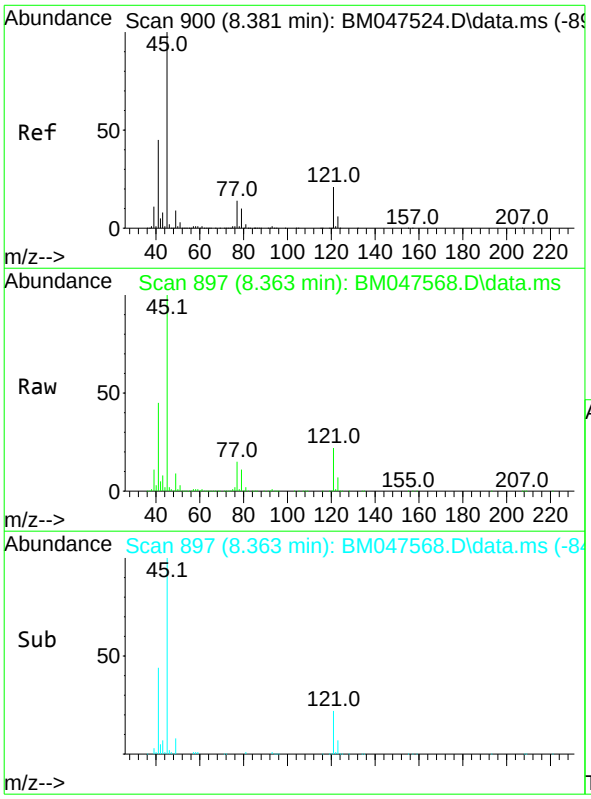
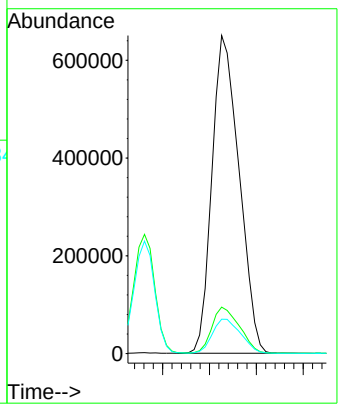
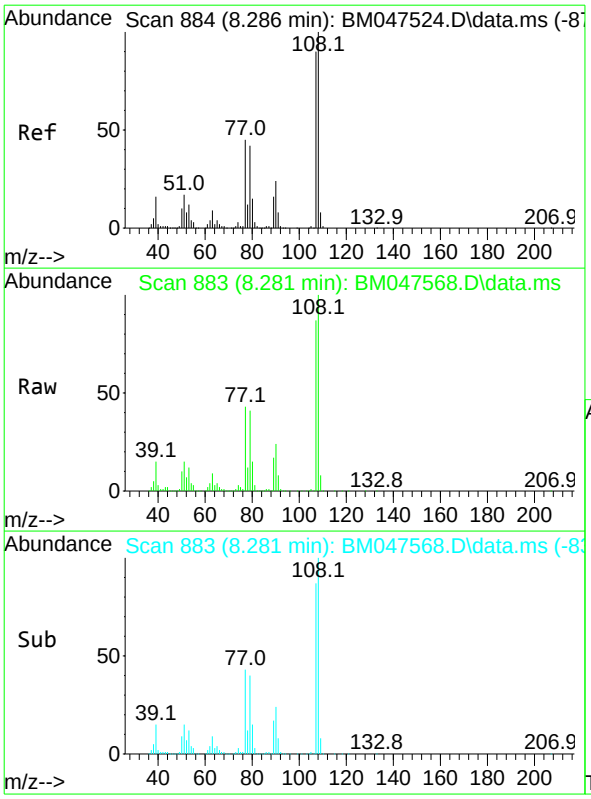


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.931 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 45 Resp: 1308822

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	33.7
79	10.8	0.0	30.3

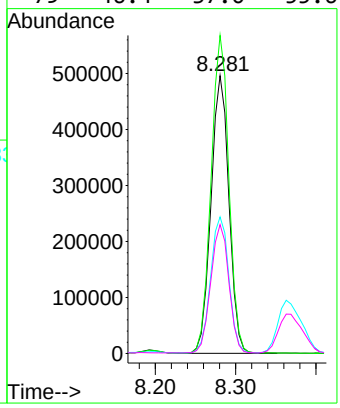




#17
2-Methylphenol
Concen: 44.525 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:107 Resp: 767865

Ion	Ratio	Lower	Upper
107	100		
108	114.5	88.9	133.3
77	49.2	39.8	59.8
79	46.4	37.0	55.6



Instrument :
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ClientSampleId :
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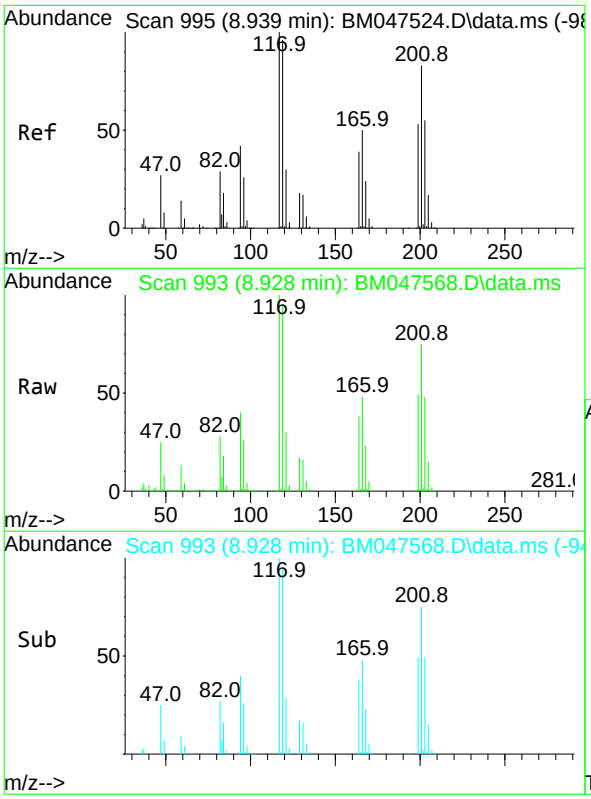
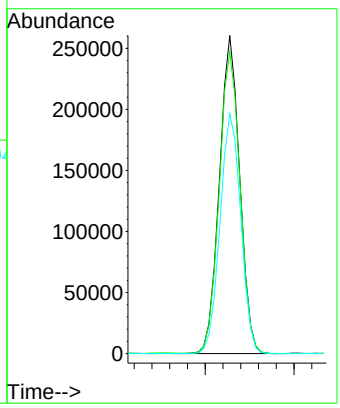
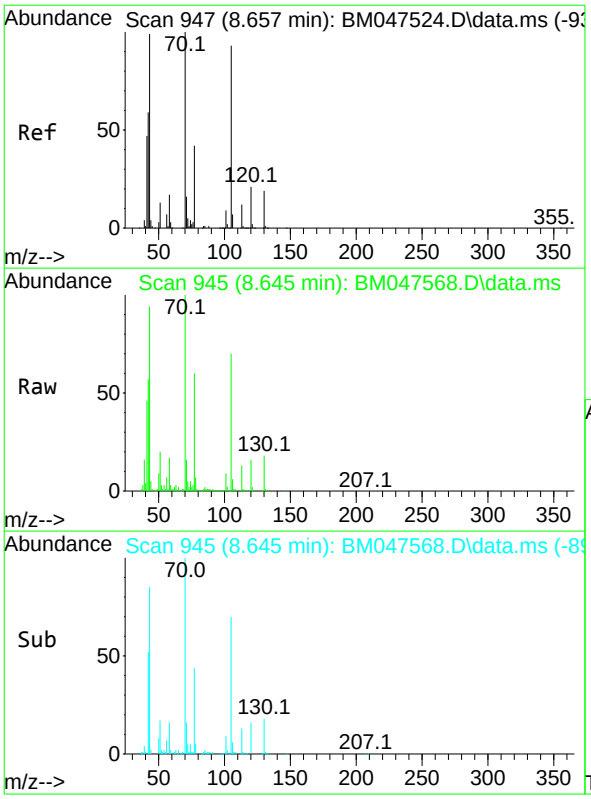


#18
Hexachloroethane
Concen: 43.978 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:117 Resp: 413357

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.4
201	75.4	66.8	100.2

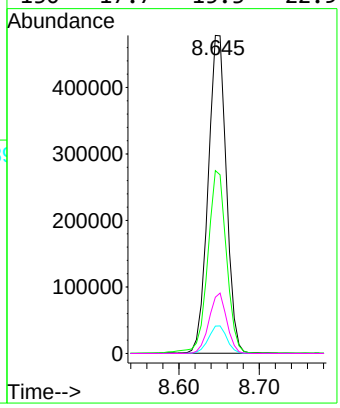




#19
n-Nitroso-di-n-propylamine
Concen: 41.284 ng
RT: 8.645 min Scan# 94
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 70 Resp: 750456

Ion	Ratio	Lower	Upper
70	100		
42	57.5	48.2	72.2
101	8.6	7.0	10.4
130	17.7	15.3	22.9



Instrument :
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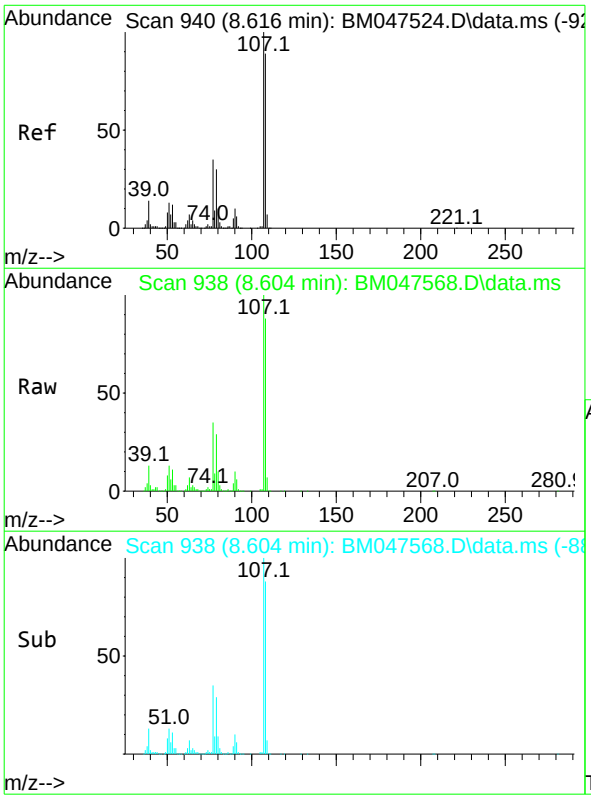
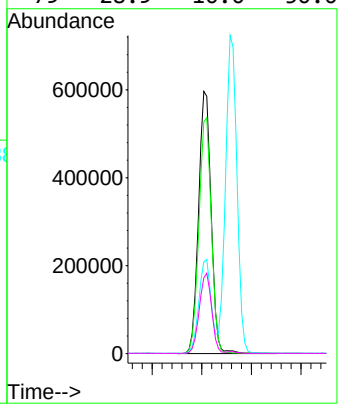
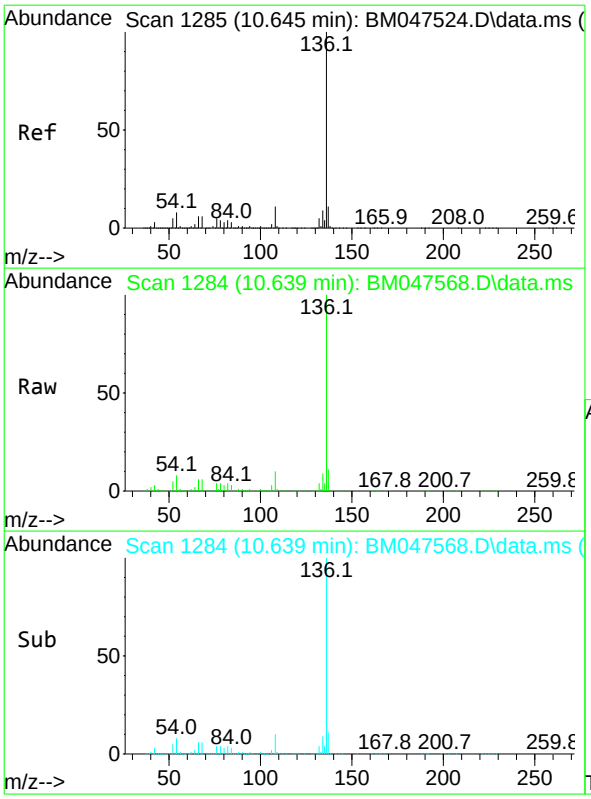


#20
3+4-Methylphenols
Concen: 43.710 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:107 Resp: 1051801

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.9	108.9
77	35.0	15.5	55.5
79	28.9	10.0	50.0

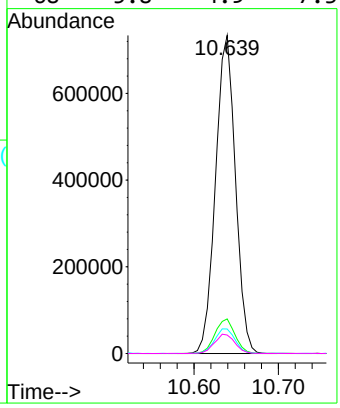




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 12
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:136 Resp: 1201949

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.7	6.6	9.8
68	5.8	4.9	7.3



Instrument :
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ClientSampleId :
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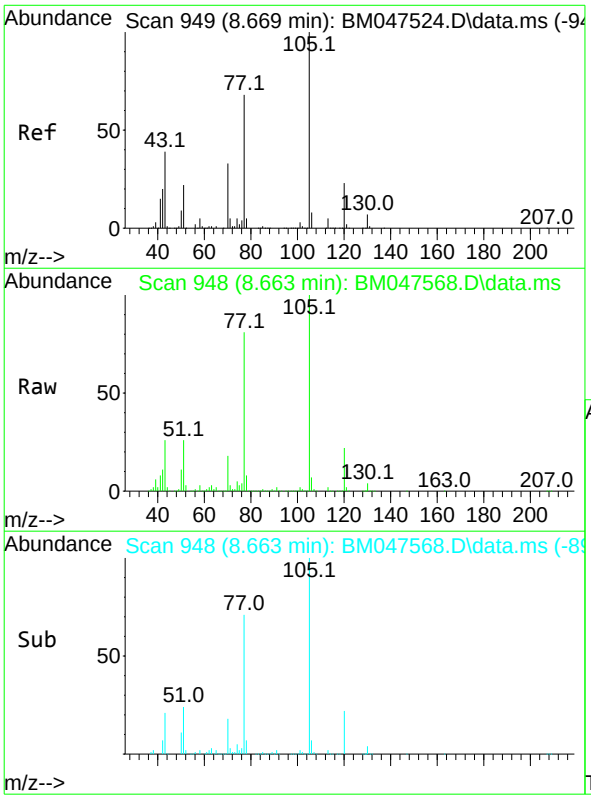
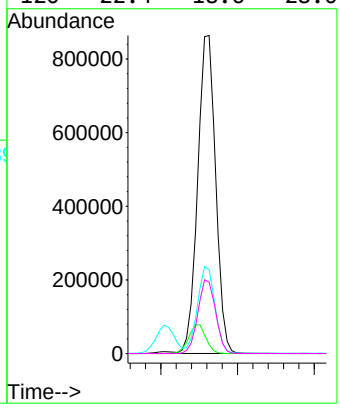
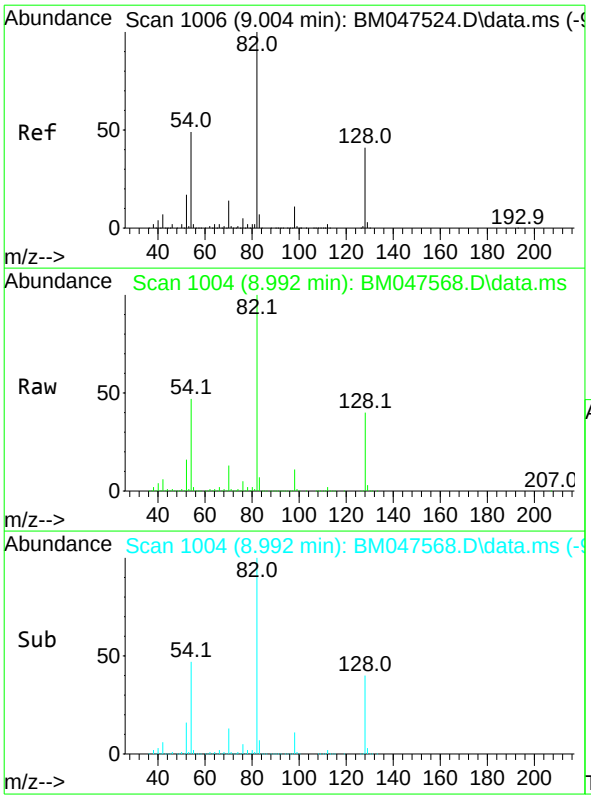


#22
Acetophenone
Concen: 44.507 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:105 Resp: 1406407

Ion	Ratio	Lower	Upper
105	100		
71	2.8	4.3	6.5#
51	26.3	21.5	32.3
120	22.4	18.6	28.0





#23
Nitrobenzene-d5
Concen: 96.140 ng
RT: 8.992 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 82 Resp: 2308971

Ion	Ratio	Lower	Upper
82	100		
128	39.7	33.0	49.4
54	47.4	39.3	58.9

Instrument :
BNA_M
ClientSampleId :
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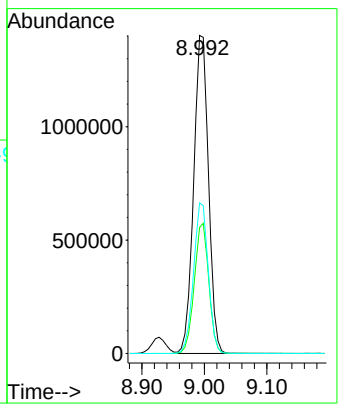
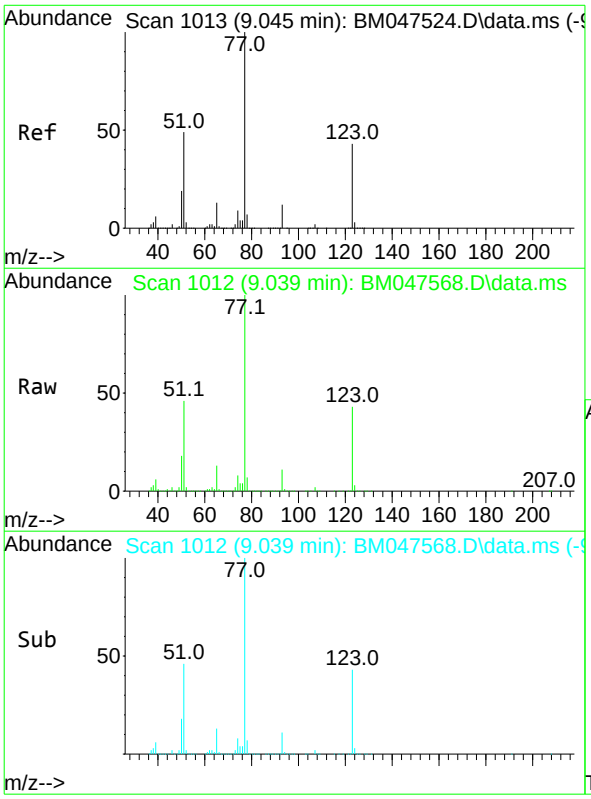
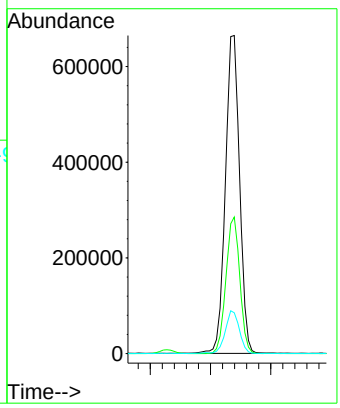


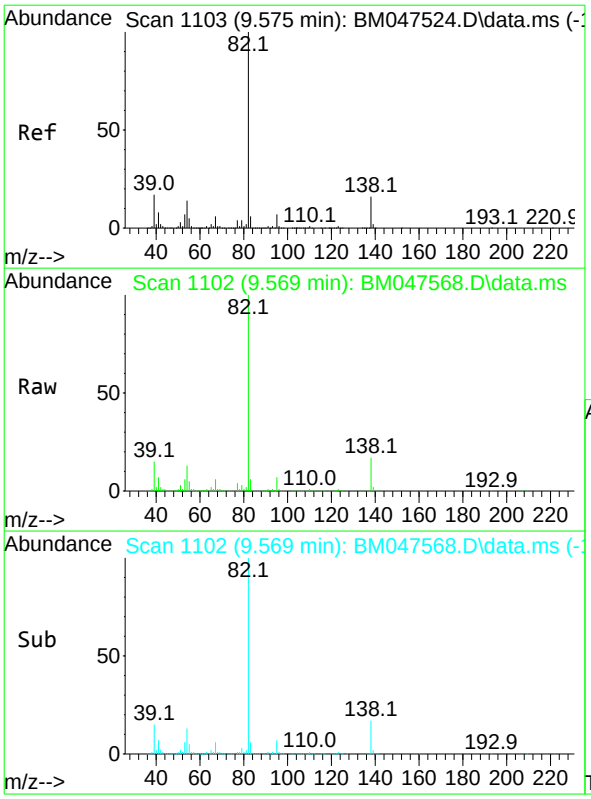


#24
Nitrobenzene
Concen: 44.079 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 77 Resp: 1087814

Ion	Ratio	Lower	Upper
77	100		
123	42.9	34.5	51.7
65	12.8	10.7	16.1

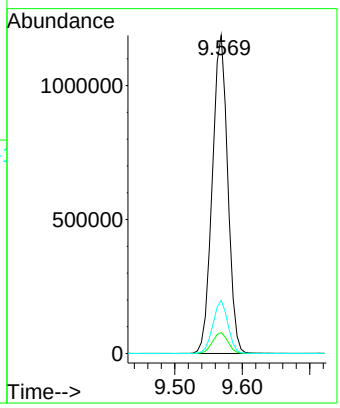




#25
Isophorone
Concen: 44.615 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 82 Resp: 1883754

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.0
138	16.7	12.9	19.3



Instrument :
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ClientSampleId :
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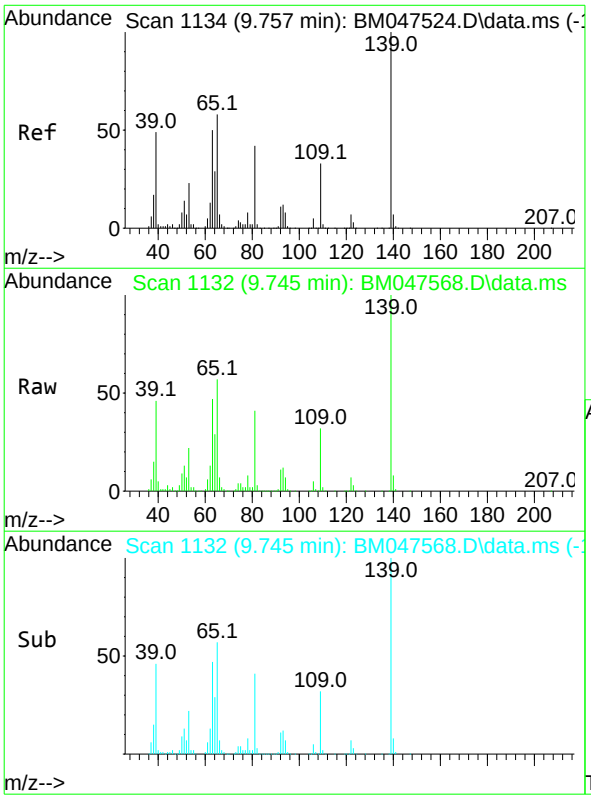
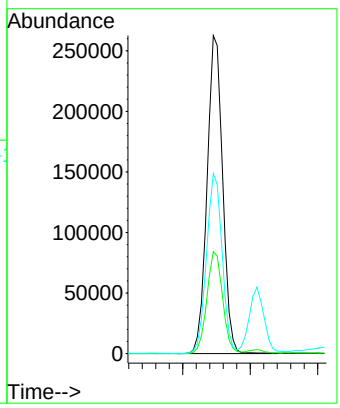
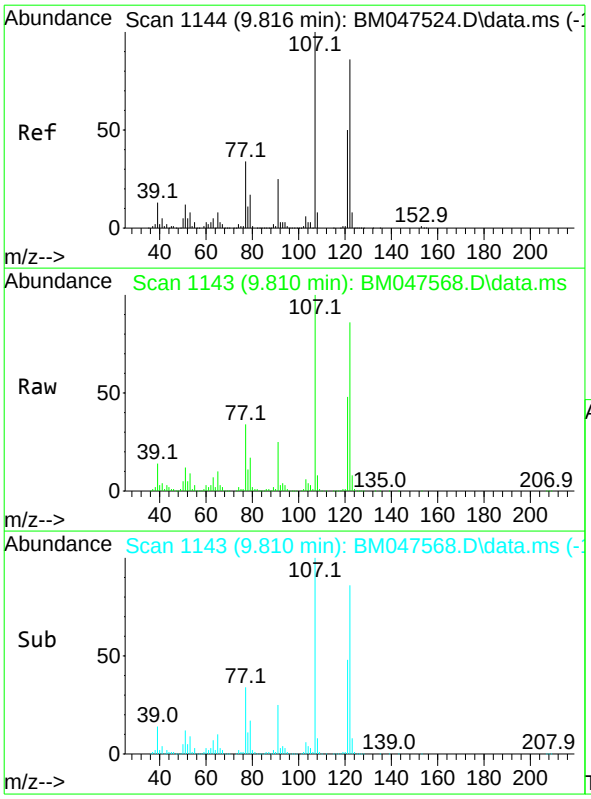


#26
2-Nitrophenol
Concen: 50.080 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:139 Resp: 421154

Ion	Ratio	Lower	Upper
139	100		
109	32.1	26.0	39.0
65	56.6	46.2	69.4

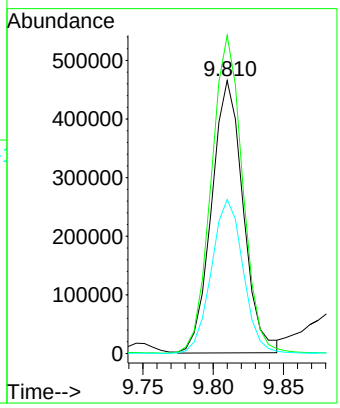




#27
2,4-Dimethylphenol
Concen: 57.029 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:122 Resp: 727014

Ion	Ratio	Lower	Upper
122	100		
107	116.5	92.4	138.6
121	56.4	46.2	69.4



Instrument :
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ClientSampleId :
PB163318BS

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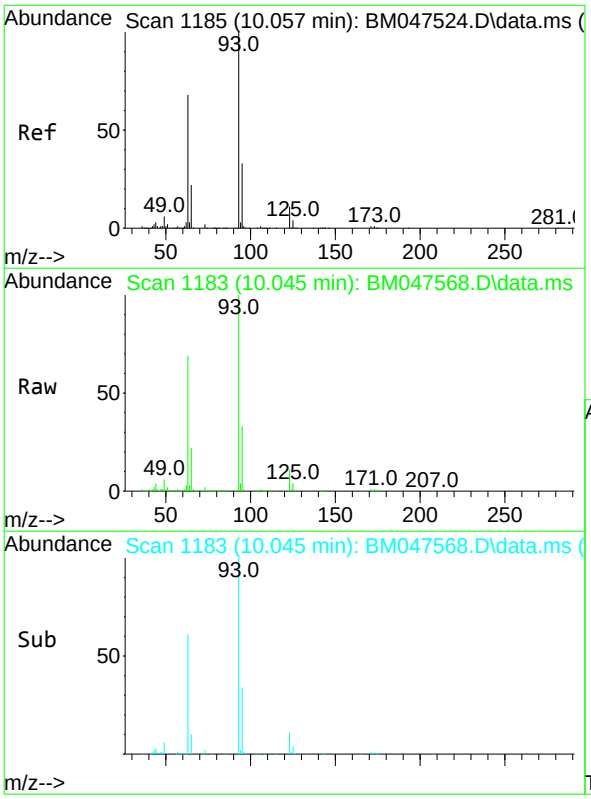
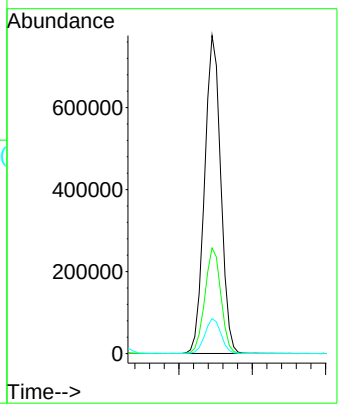
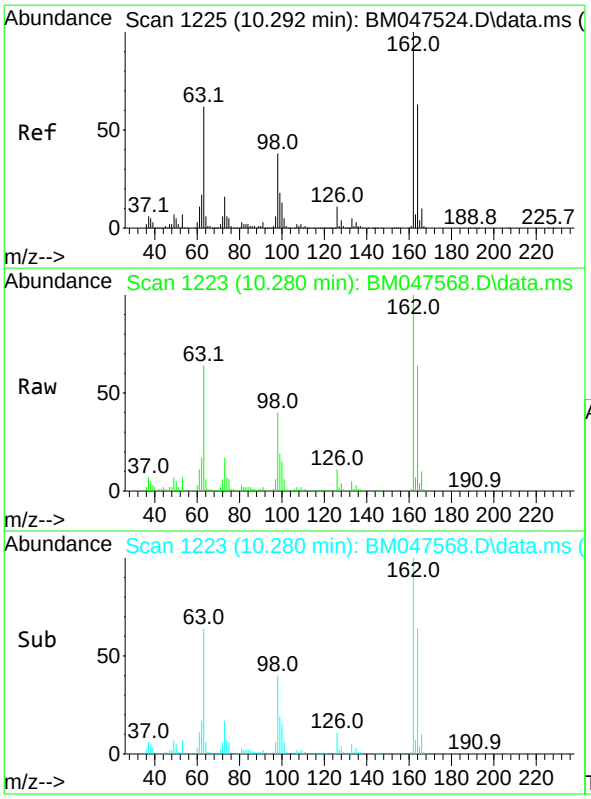


#28
bis(2-Chloroethoxy)methane
Concen: 44.757 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 93 Resp: 1187038

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.2
123	11.0	9.2	13.8

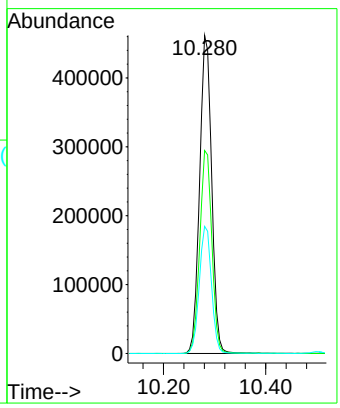




#29
2,4-Dichlorophenol
Concen: 46.616 ng
RT: 10.280 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:162 Resp: 755002

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.5	83.5
98	40.0	17.6	57.6



Instrument :
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ClientSampleId :
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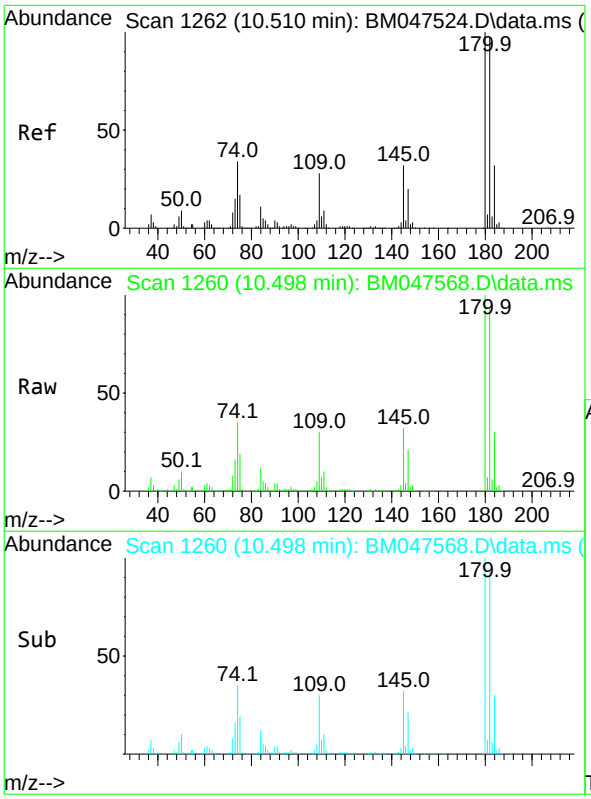
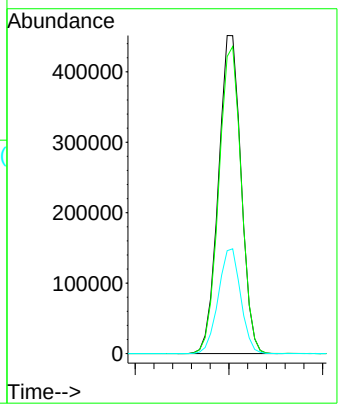
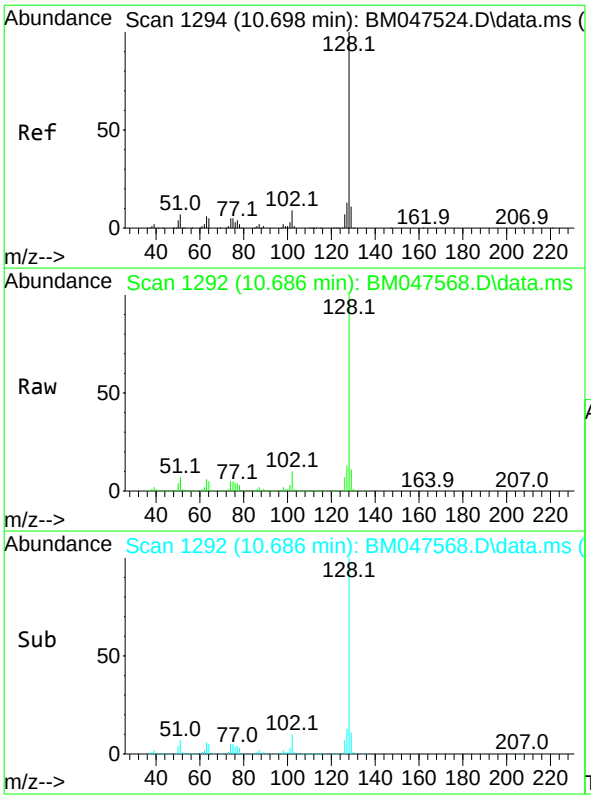


#30
1,2,4-Trichlorobenzene
Concen: 40.754 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:180 Resp: 756092

Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.6	116.4
145	32.3	25.4	38.0





#31
Naphthalene
Concen: 42.949 ng
RT: 10.686 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:128 Resp: 2788005

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	13.1	10.5	15.7

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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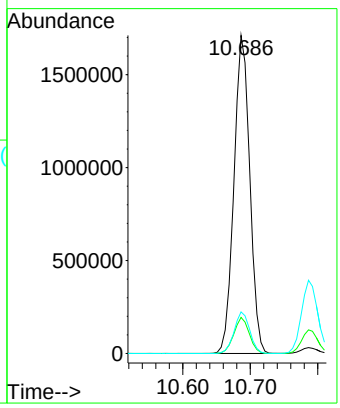
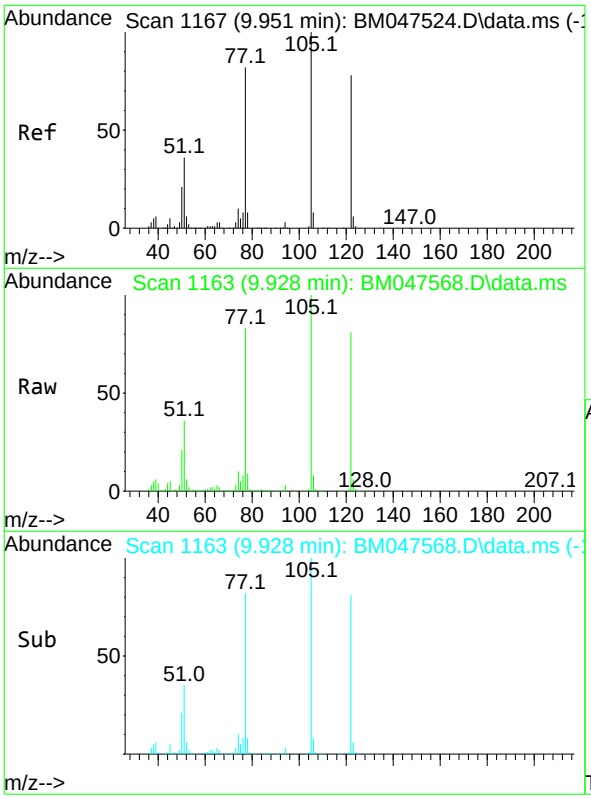
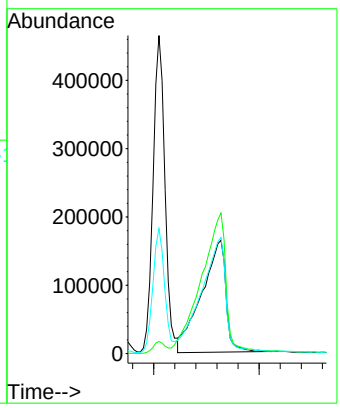


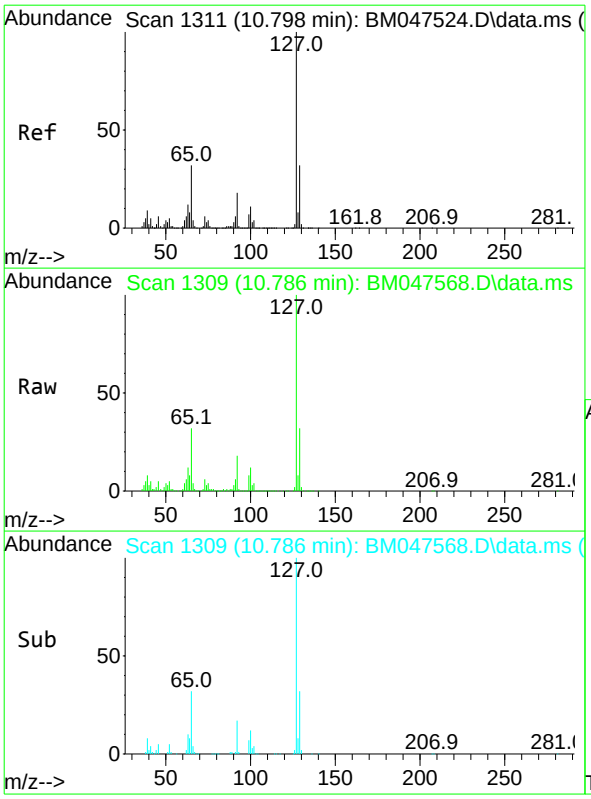


#32
Benzoic acid
Concen: 42.558 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:122 Resp: 523714

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.7	144.7
77	102.5	83.4	123.4

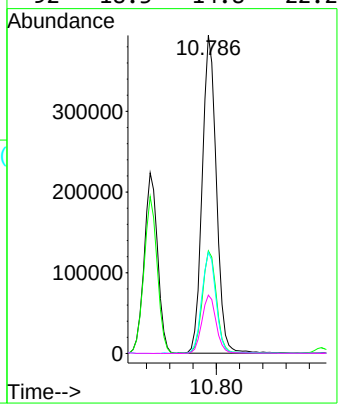




#33
4-Chloroaniline
Concen: 28.322 ng
RT: 10.786 min Scan# 13
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:127 Resp: 664735

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.0
65	31.9	25.5	38.3
92	18.3	14.8	22.2



Instrument :
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ClientSampleId :
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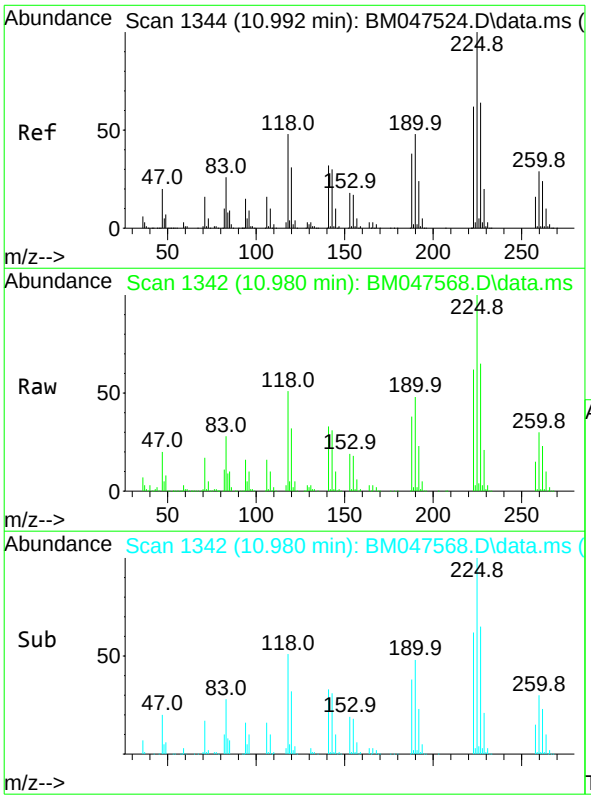
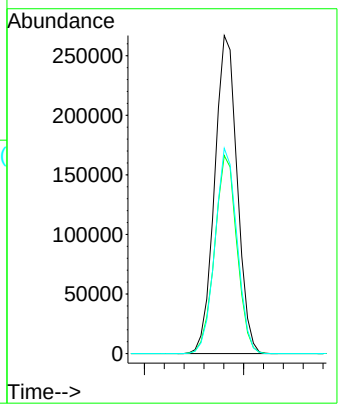
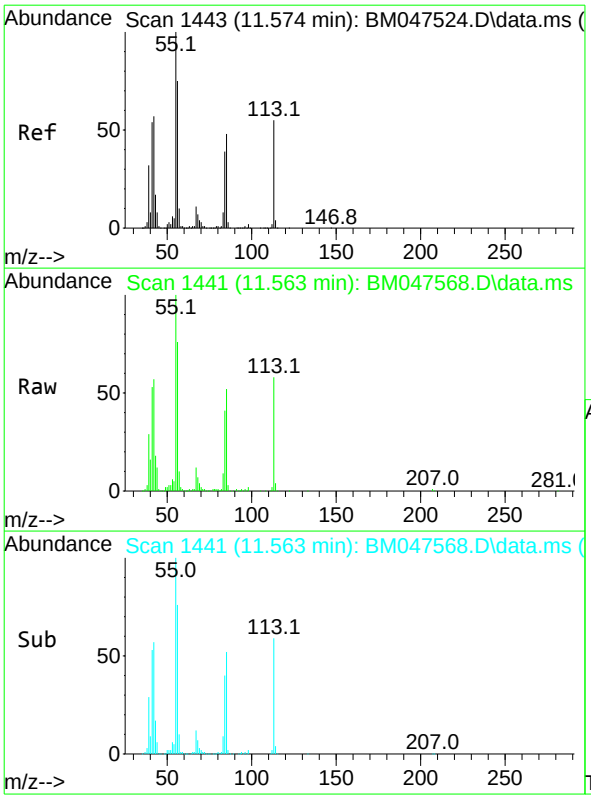


#34
Hexachlorobutadiene
Concen: 41.024 ng
RT: 10.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:225 Resp: 421556

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	64.6	51.0	76.4





#35
Caprolactam
Concen: 43.854 ng m
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:113 Resp: 233945

Ion	Ratio	Lower	Upper
113	100		
55	171.2	162.5	202.5
56	130.4	116.5	156.5

Instrument :
BNA_M
ClientSampleId :
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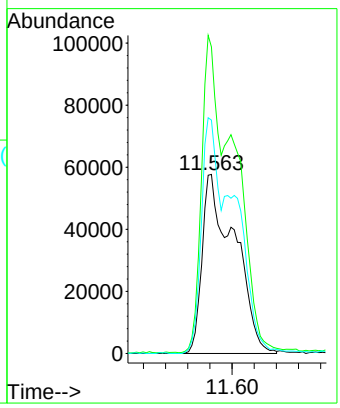
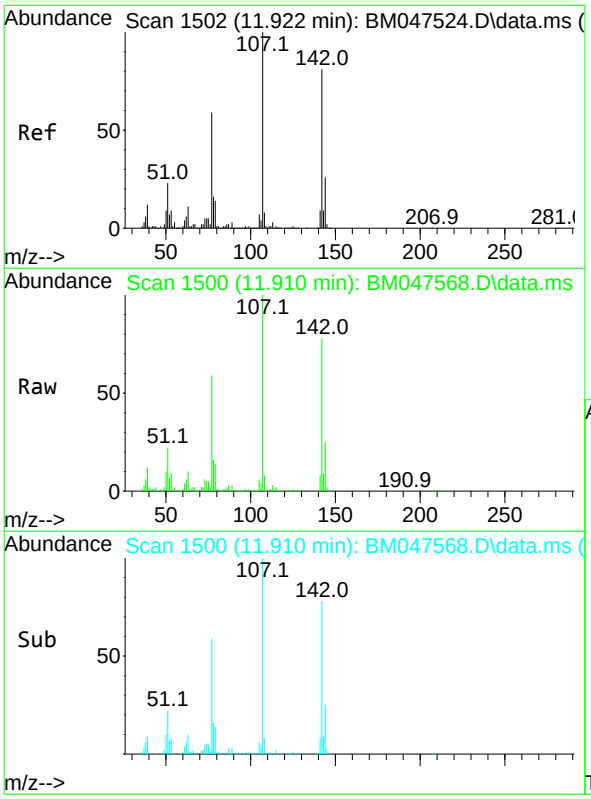
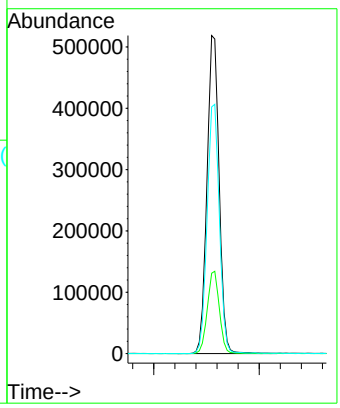


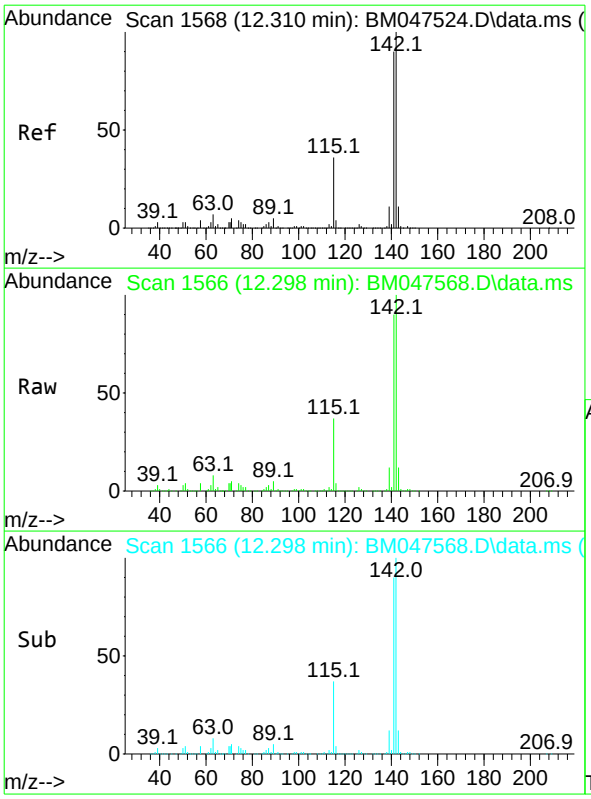


#36
4-Chloro-3-methylphenol
Concen: 44.885 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:107 Resp: 833110

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.5	30.7
142	77.6	65.0	97.4

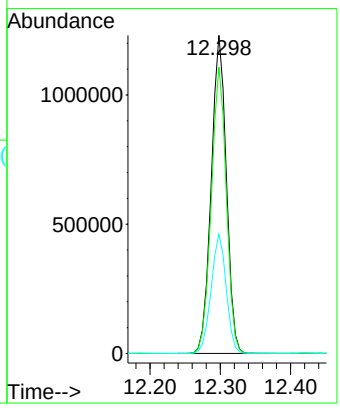




#37
2-Methylnaphthalene
Concen: 42.369 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:142 Resp: 1830535

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.2	108.4
115	37.5	29.1	43.7



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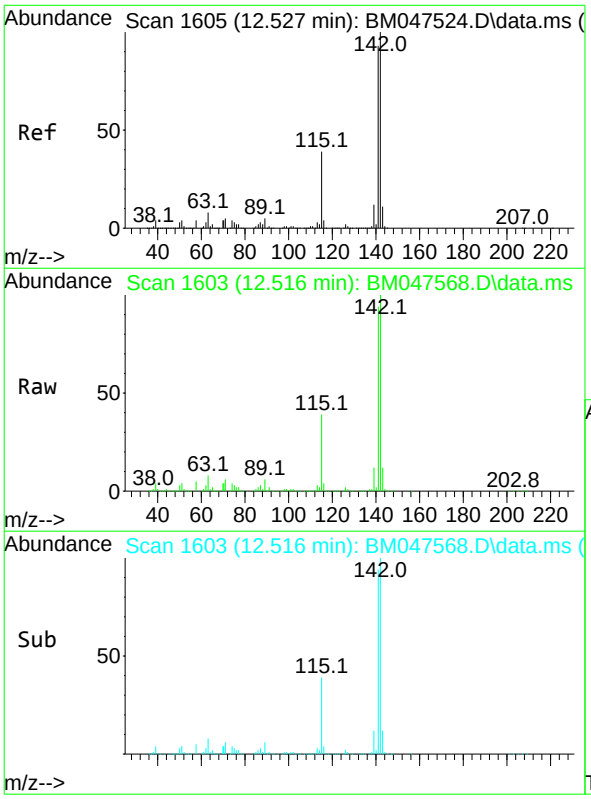
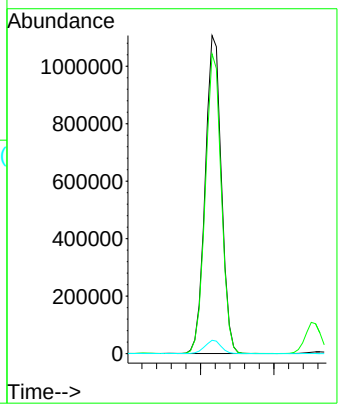
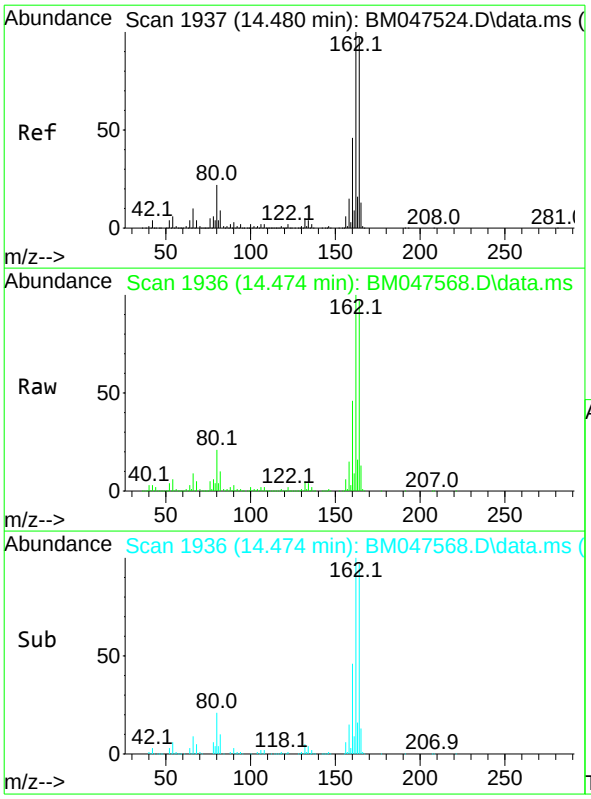


#38
1-Methylnaphthalene
Concen: 39.283 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:142 Resp: 1686622

Ion	Ratio	Lower	Upper
142	100		
141	94.2	74.7	112.1
116	4.2	3.2	4.8

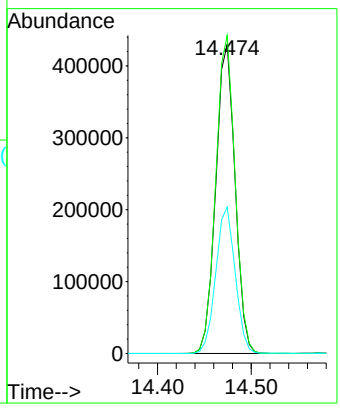




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:164 Resp: 615193

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	47.4	38.2	57.2



Instrument :
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ClientSampleId :
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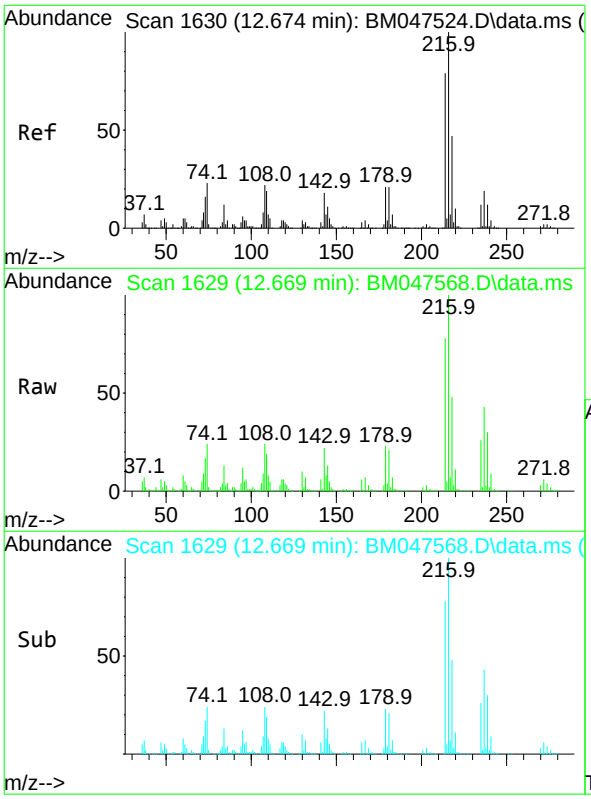
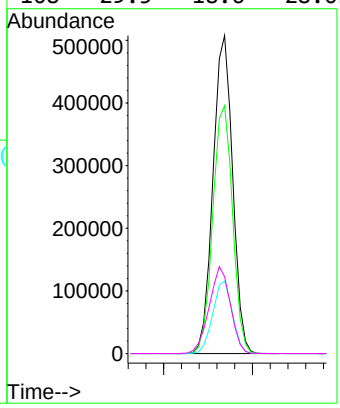
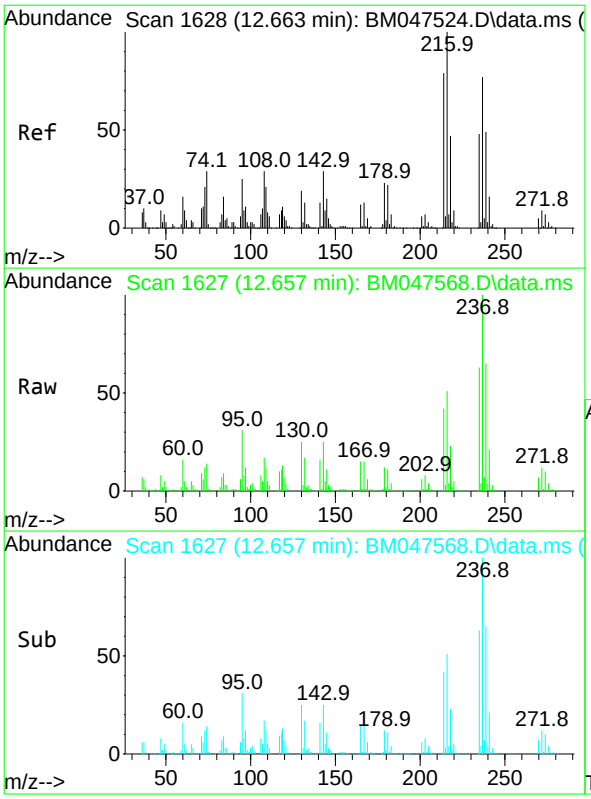


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.783 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:216 Resp: 778787

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.6
179	22.9	17.5	26.3
108	29.5	18.6	28.0#

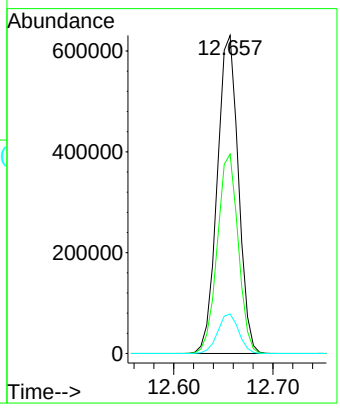




#41
Hexachlorocyclopentadiene
Concen: 171.243 ng
RT: 12.657 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:237 Resp: 931901

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.0	82.0
272	12.4	0.0	31.5



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ClientSampleId :
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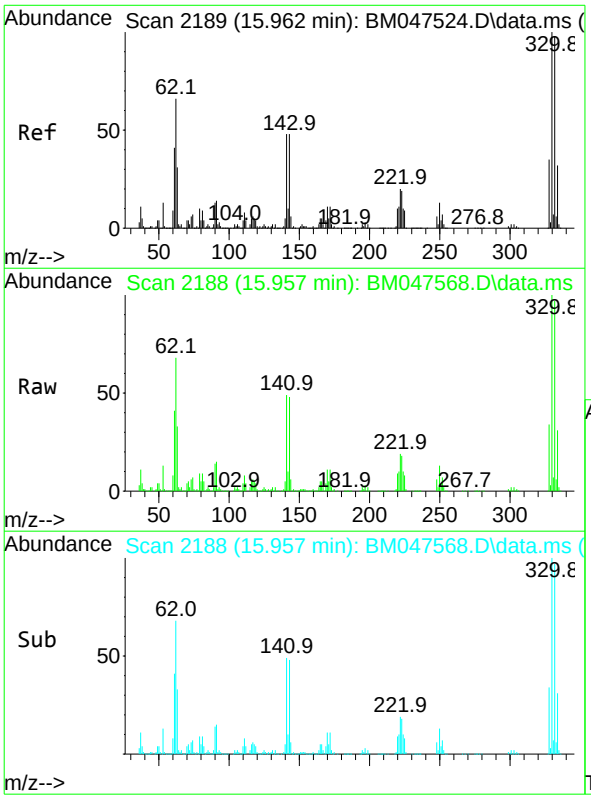
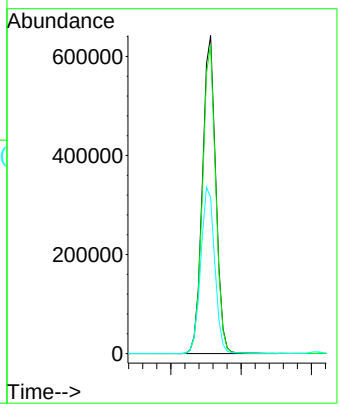
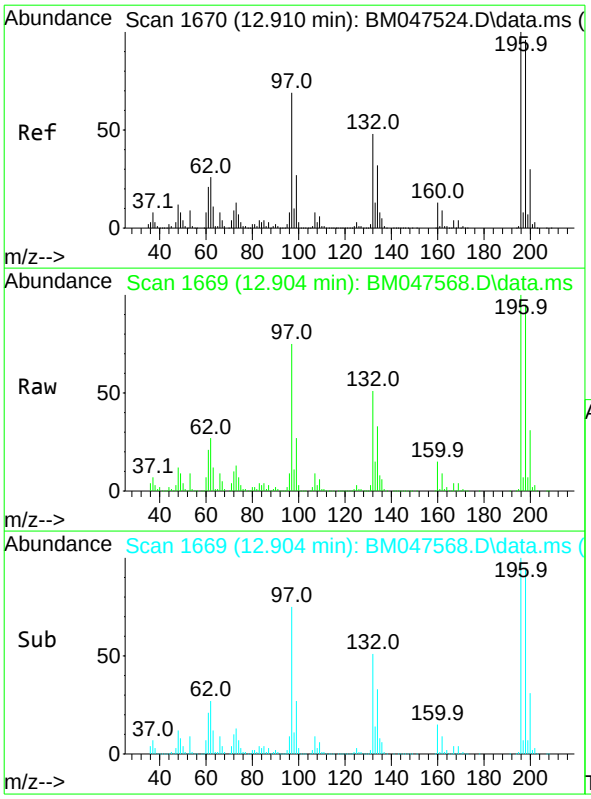


#42
2,4,6-Tribromophenol
Concen: 142.405 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:330 Resp: 846795

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	55.0	42.2	63.2

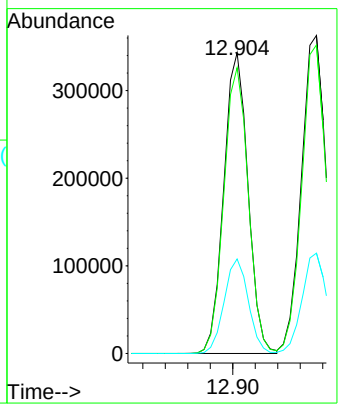




#43
2,4,6-Trichlorophenol
Concen: 49.239 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:196 Resp: 513517

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.9	115.3
200	31.4	24.3	36.5



Instrument :
BNA_M
ClientSampleId :
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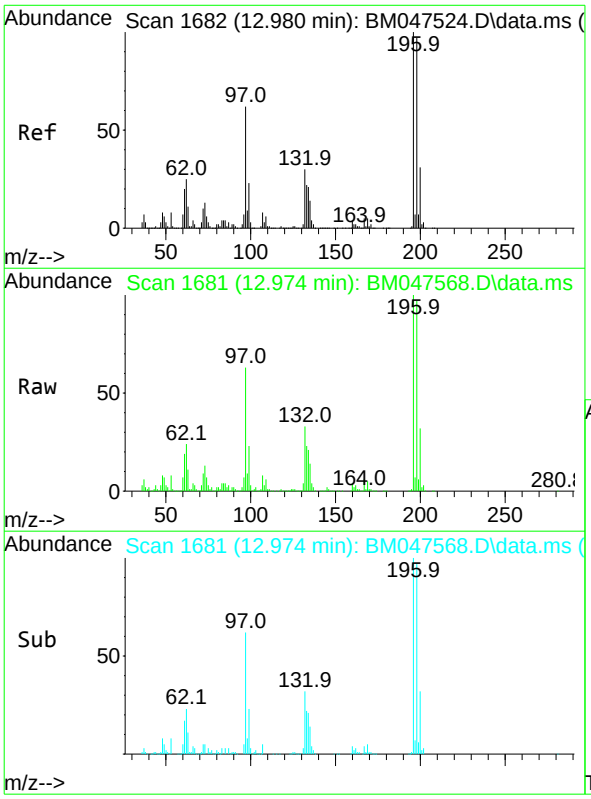
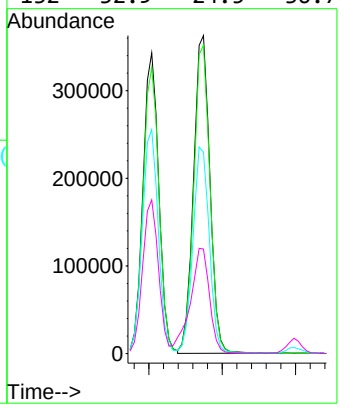
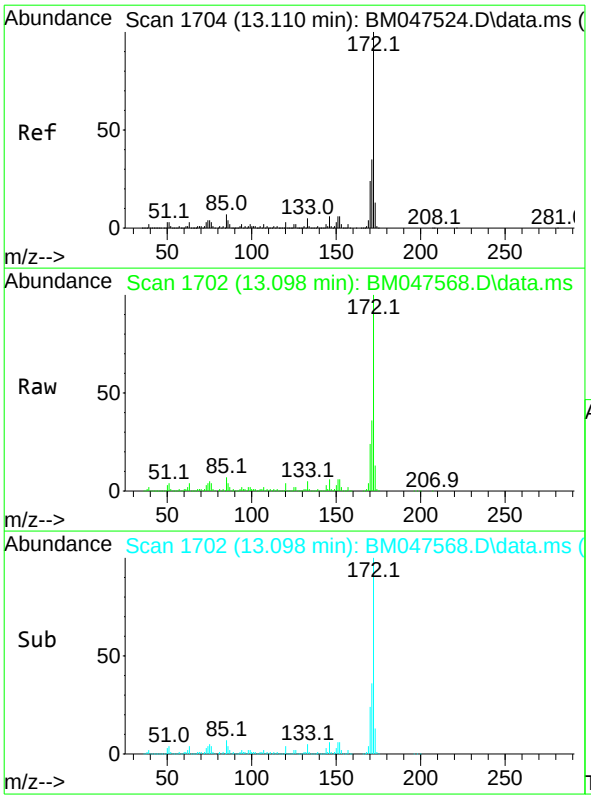


#44
2,4,5-Trichlorophenol
Concen: 47.669 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:196 Resp: 561526

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.4	116.2
97	63.3	49.8	74.8
132	32.9	24.5	36.7

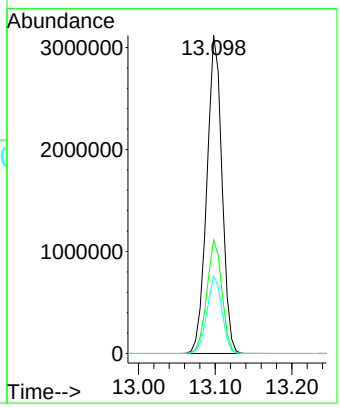




#45
2-Fluorobiphenyl
Concen: 95.753 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:172 Resp: 4276289

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	24.3	19.4	29.0



Instrument :
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ClientSampleId :
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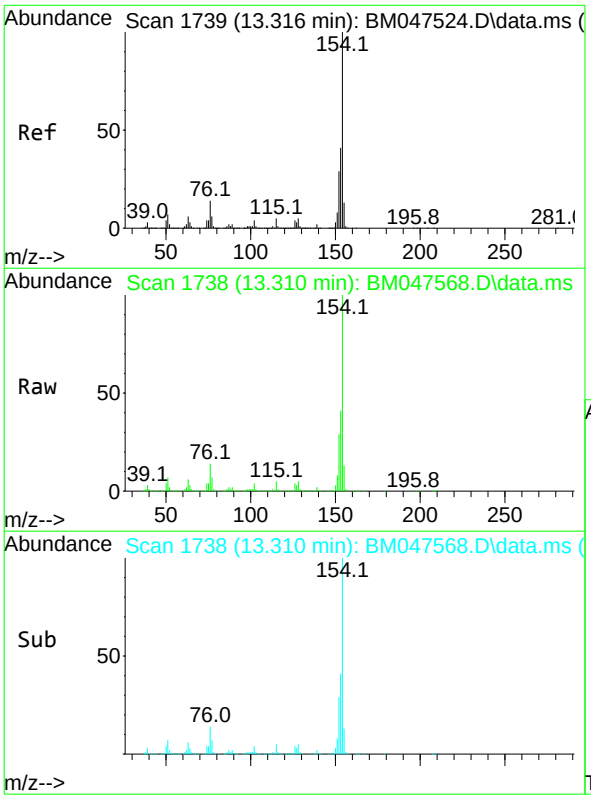
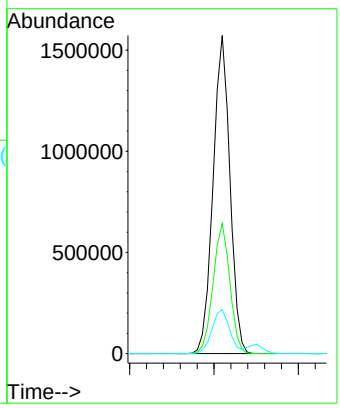
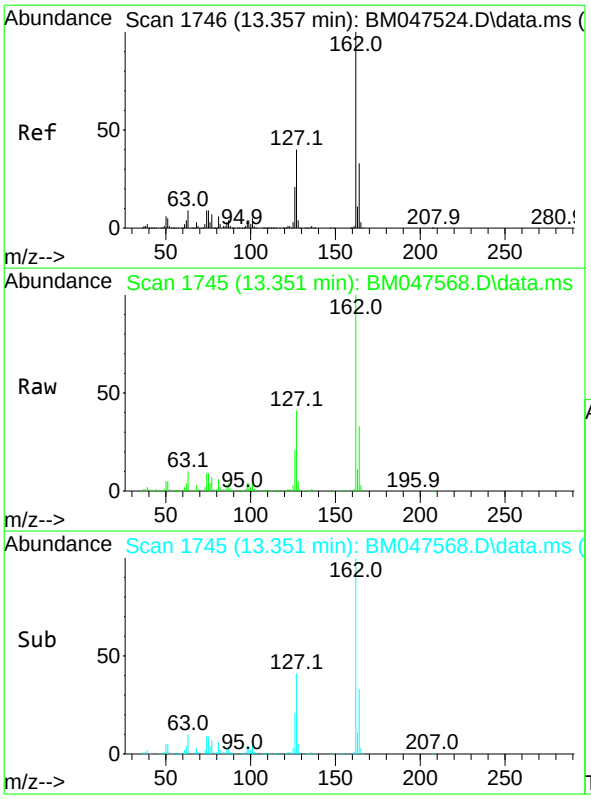


#46
1,1'-Biphenyl
Concen: 45.573 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:154 Resp: 2181353

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.8	0.0	33.9

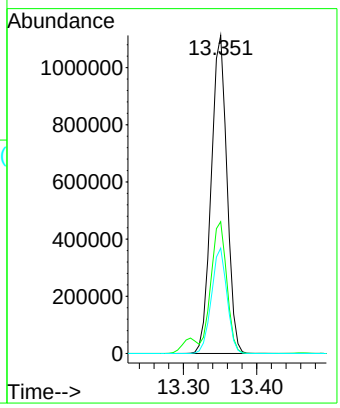




#47
2-Chloronaphthalene
Concen: 44.537 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:162 Resp: 1655276

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.2	48.4
164	33.1	26.3	39.5



Instrument :
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ClientSampleId :
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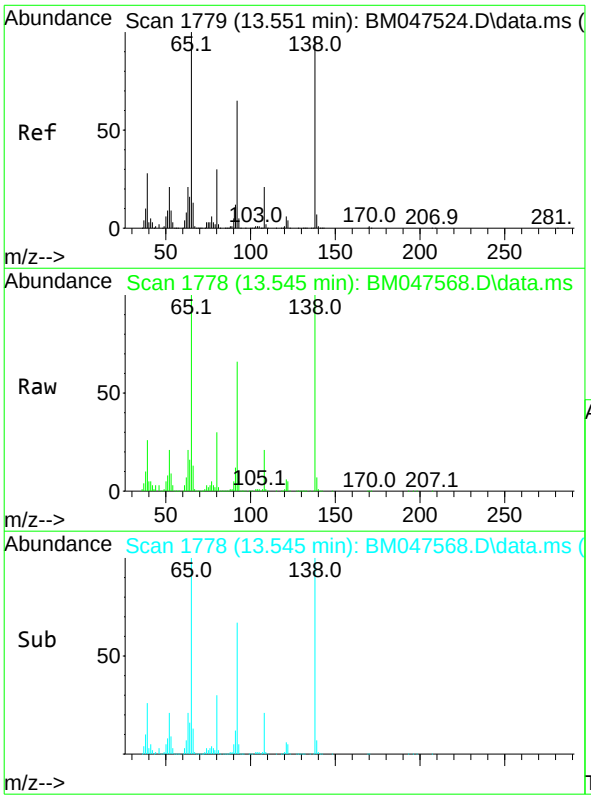
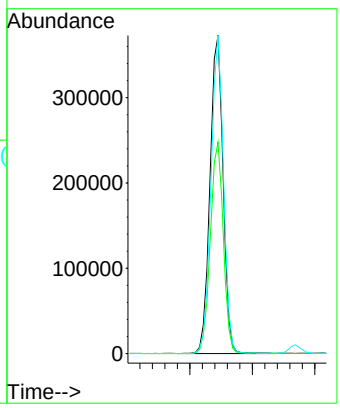
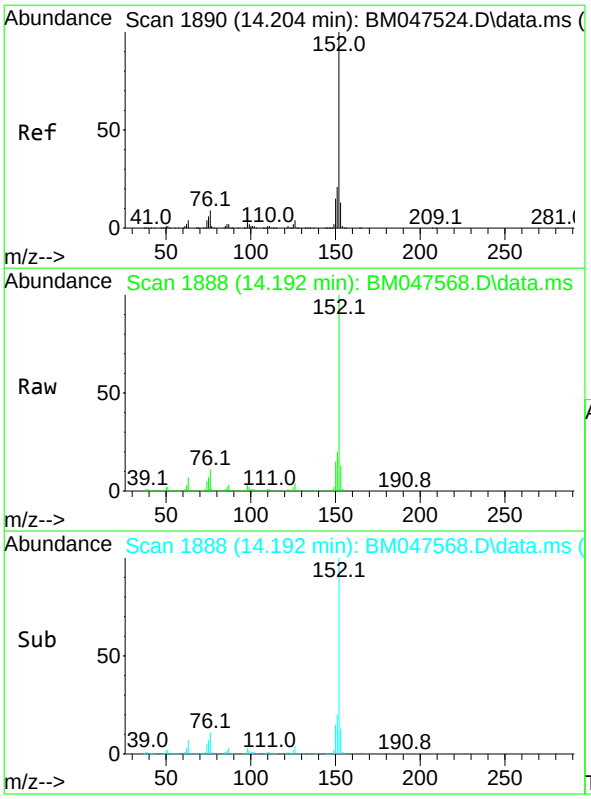


#48
2-Nitroaniline
Concen: 49.716 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 65 Resp: 542727

Ion	Ratio	Lower	Upper
65	100		
92	66.5	51.9	77.9
138	99.8	78.5	117.7

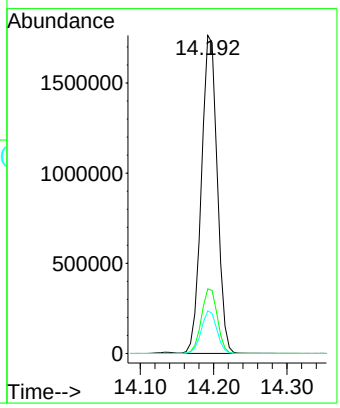




#49
Acenaphthylene
Concen: 49.275 ng
RT: 14.192 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:152 Resp: 2642771

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7
153	13.4	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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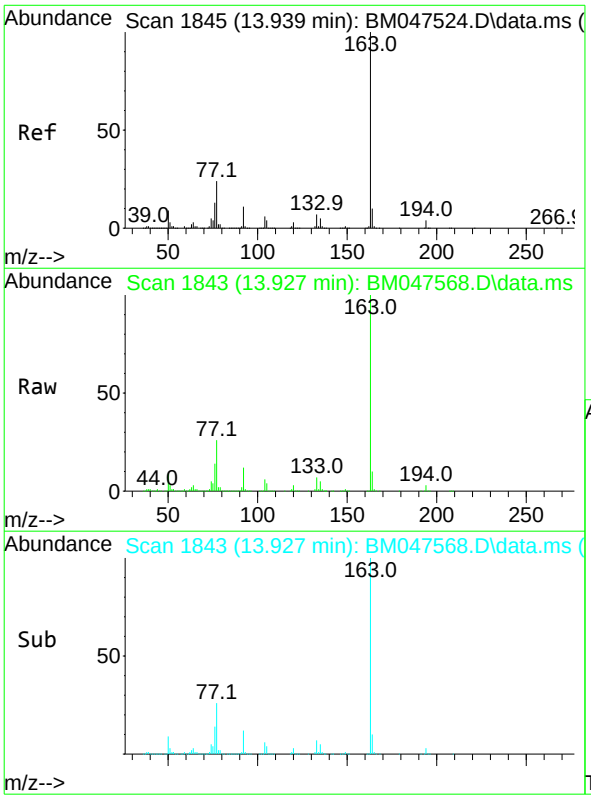
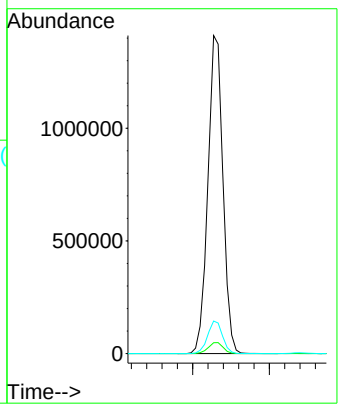
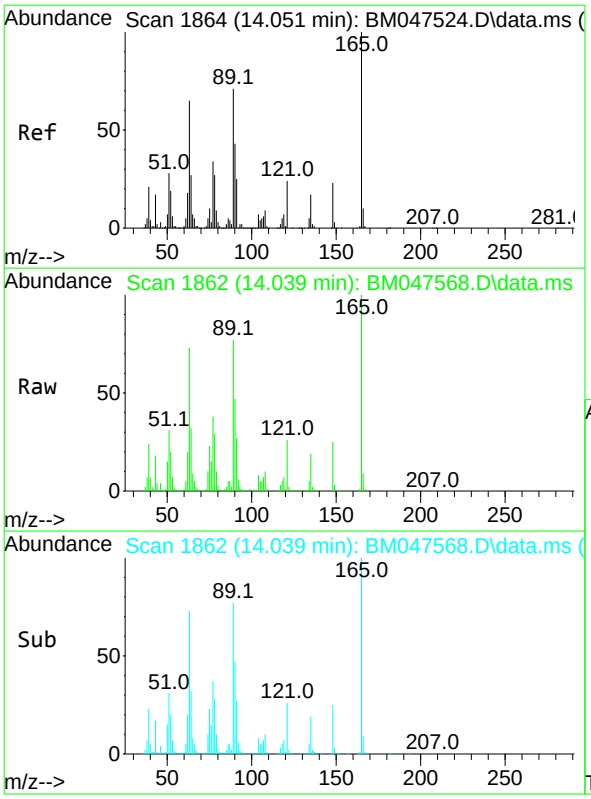


#50
Dimethylphthalate
Concen: 45.854 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:163 Resp: 1922665

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 44.184 ng
RT: 14.039 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:165 Resp: 391098

Ion	Ratio	Lower	Upper
165	100		
63	73.3	54.2	81.2
89	77.4	56.4	84.6

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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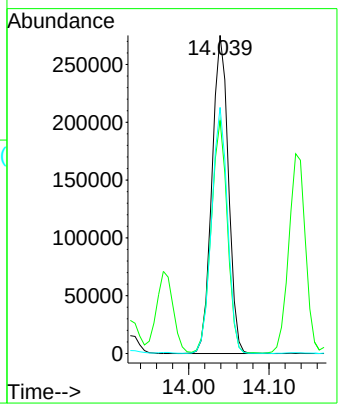
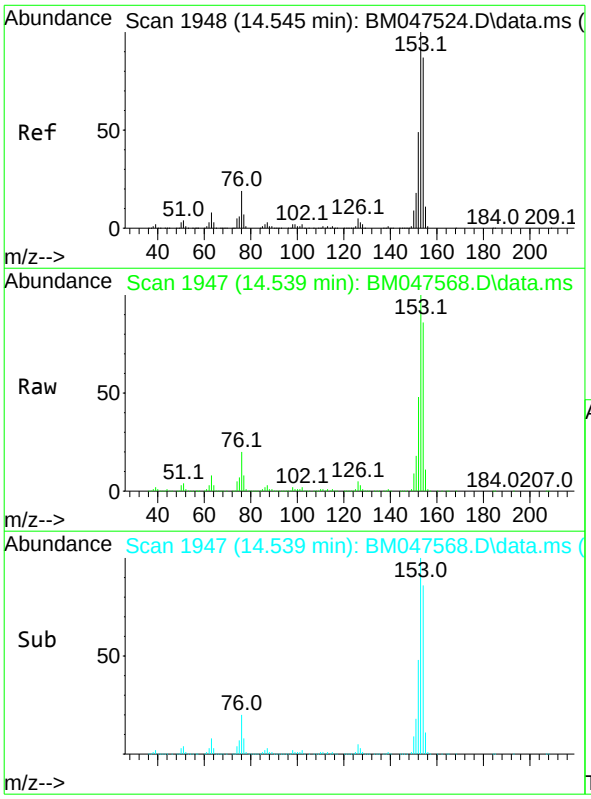
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

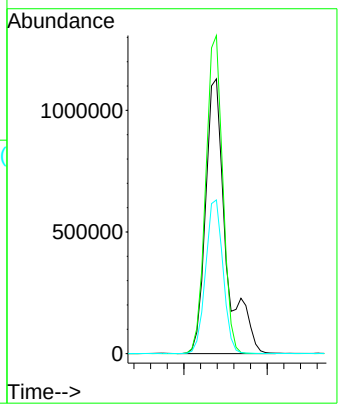


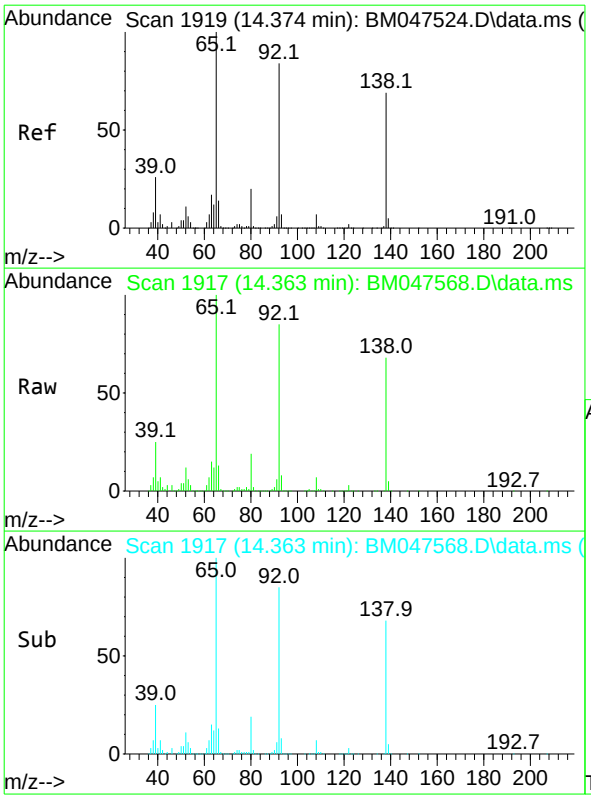


#52
Acenaphthene
Concen: 50.990 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:154 Resp: 1916152

Ion	Ratio	Lower	Upper
154	100		
153	115.8	92.2	138.2
152	55.9	45.4	68.0

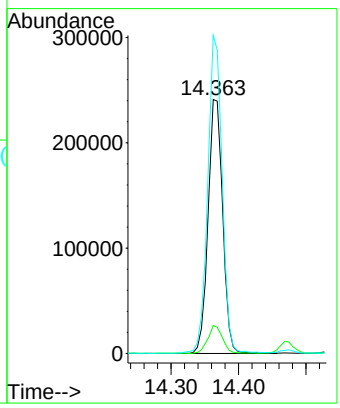




#53
3-Nitroaniline
Concen: 36.898 ng
RT: 14.363 min Scan# 19
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:138 Resp: 363030

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.0	12.0
92	125.2	97.4	146.0



Instrument :
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ClientSampleId :
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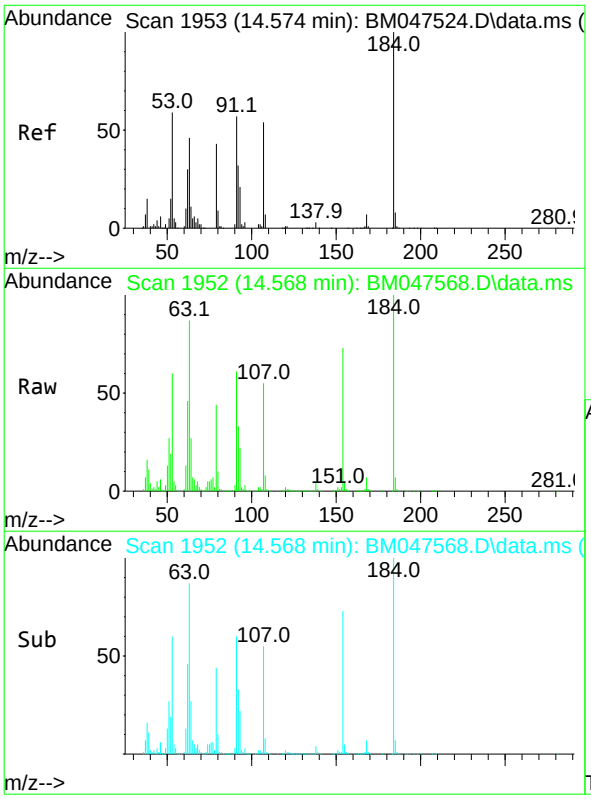
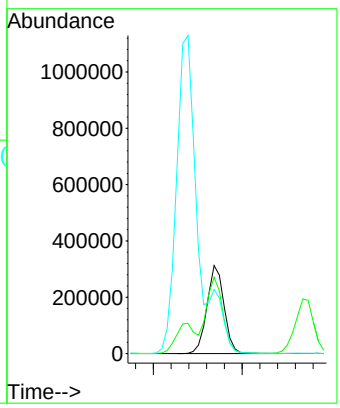
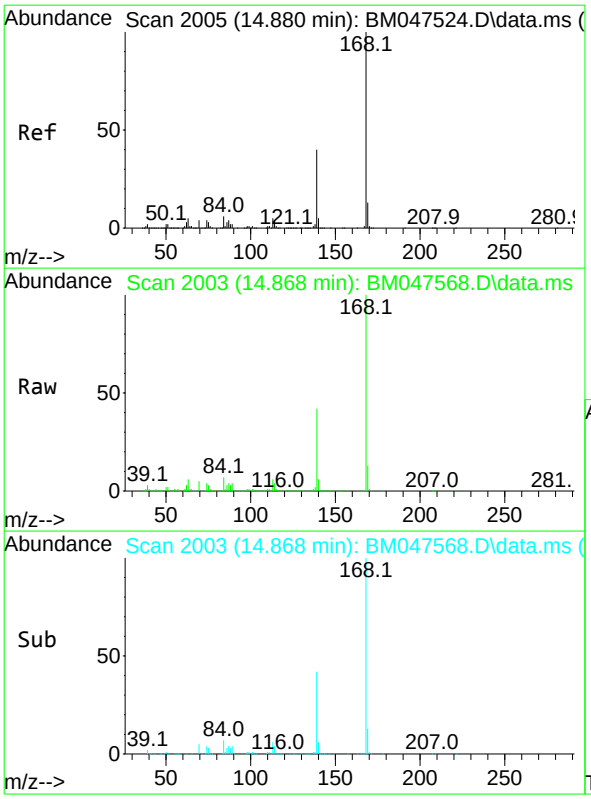


#54
2,4-Dinitrophenol
Concen: 82.737 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:184 Resp: 418269

Ion	Ratio	Lower	Upper
184	100		
63	86.7	69.4	104.0
154	72.8	60.4	90.6

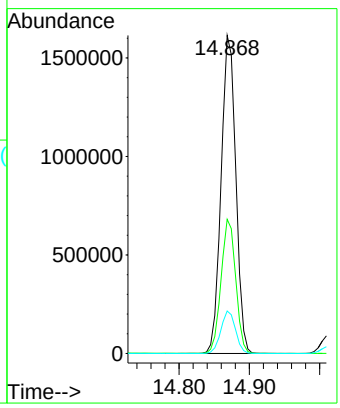




#55
Dibenzofuran
Concen: 44.471 ng
RT: 14.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:168 Resp: 2348412

Ion	Ratio	Lower	Upper
168	100		
139	42.2	31.9	47.9
169	13.4	10.5	15.7



Instrument :
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ClientSampleId :
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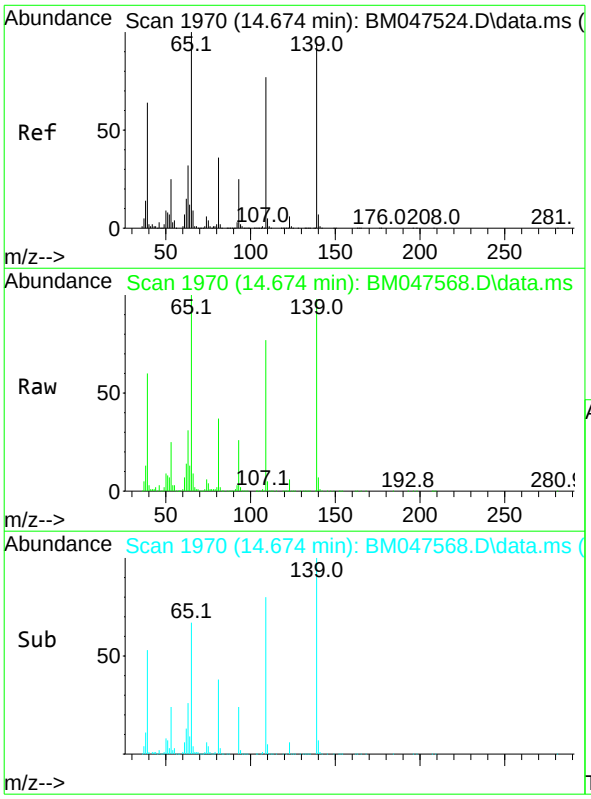
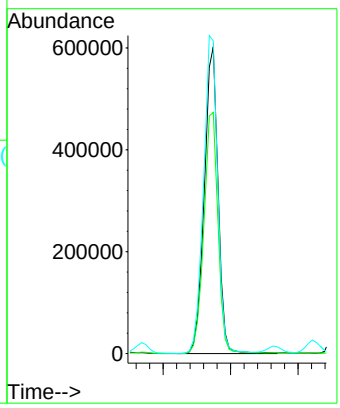
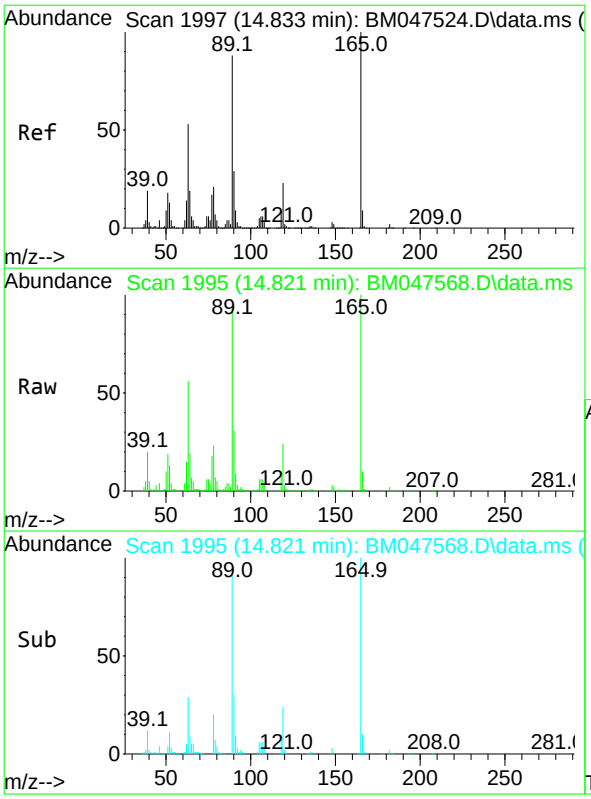


#56
4-Nitrophenol
Concen: 105.644 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:139 Resp: 855296

Ion	Ratio	Lower	Upper
139	100		
109	78.7	62.0	102.0
65	102.0	87.0	127.0

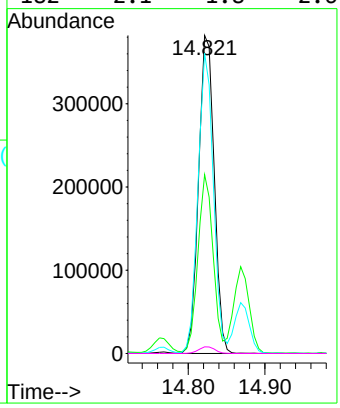




#57
2,4-Dinitrotoluene
Concen: 45.889 ng
RT: 14.821 min Scan# 19
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:165 Resp: 541739

Ion	Ratio	Lower	Upper
165	100		
63	56.2	42.4	63.6
89	94.3	70.5	105.7
182	2.1	1.8	2.6



Instrument :
BNA_M
ClientSampleId :
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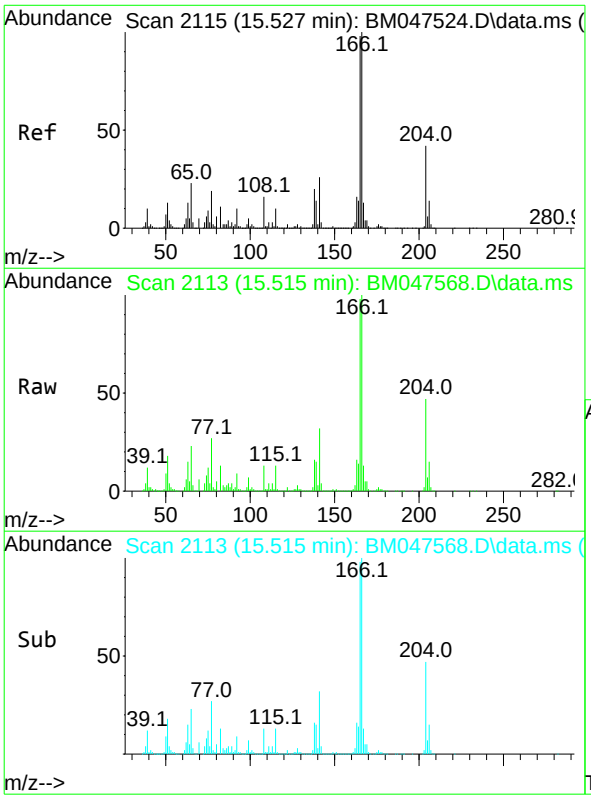
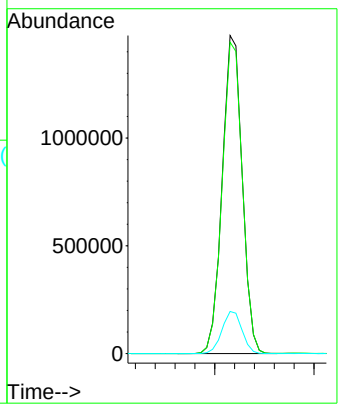
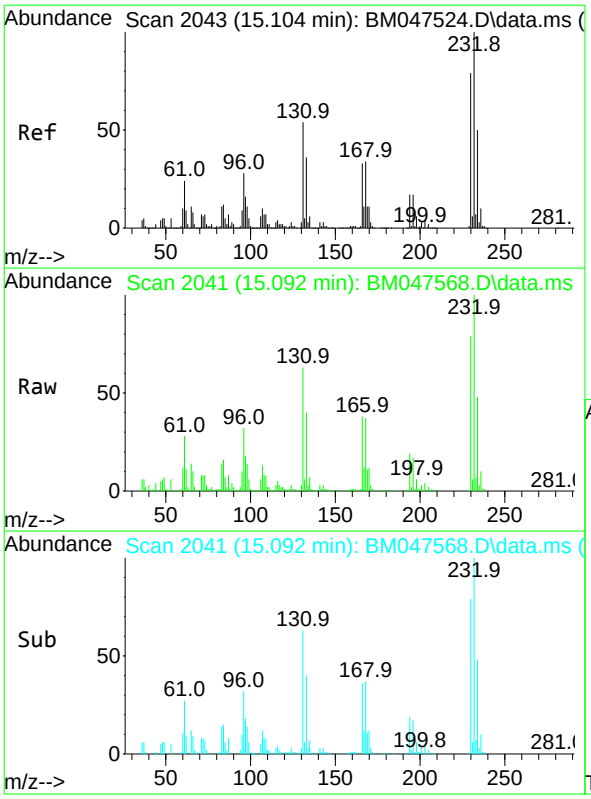


#58
Fluorene
Concen: 43.429 ng
RT: 15.515 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:166 Resp: 2064805

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.6	117.8
167	13.2	10.7	16.1

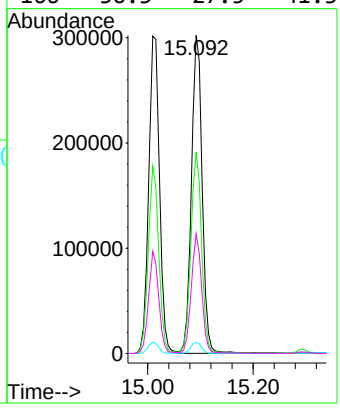




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.385 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:232 Resp: 426009

Ion	Ratio	Lower	Upper
232	100		
131	63.4	47.0	70.4
130	3.6	2.6	3.8
166	36.3	27.5	41.3



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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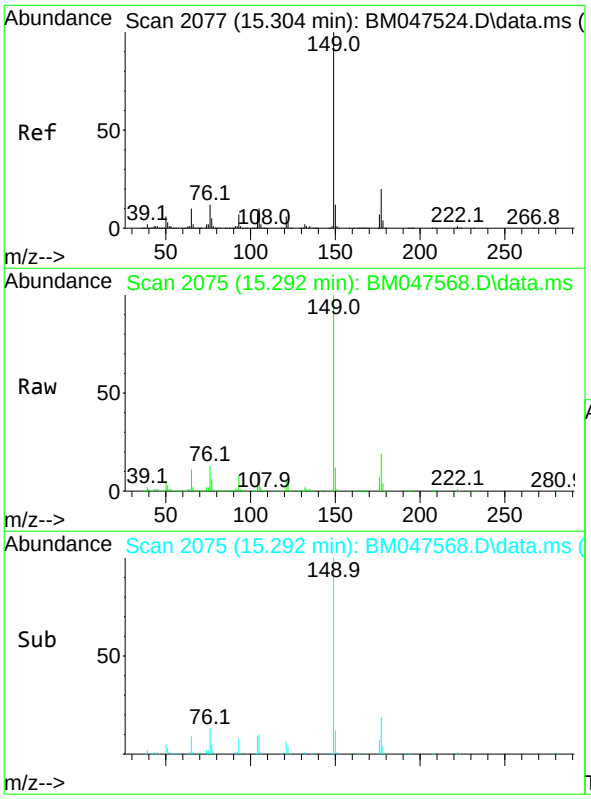
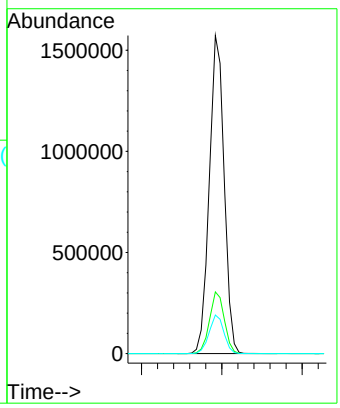
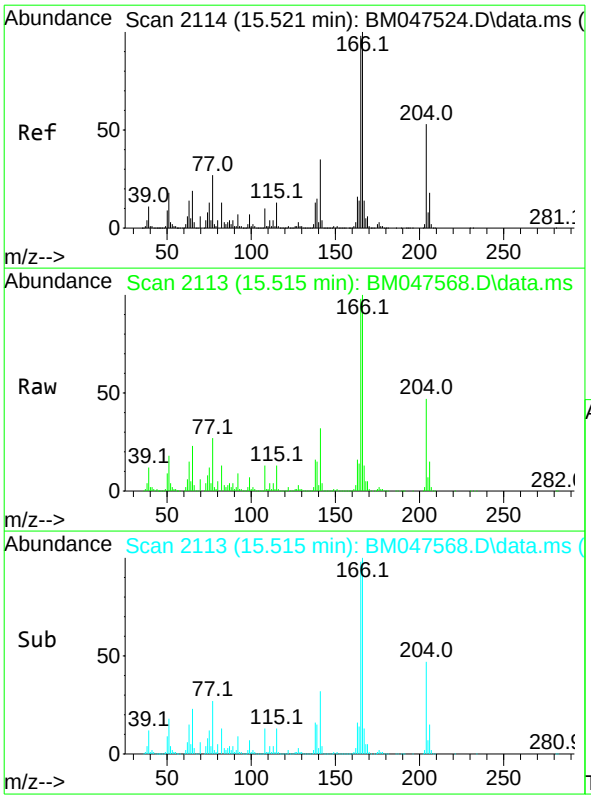


#60
Diethylphthalate
Concen: 45.216 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 2017759

Ion	Ratio	Lower	Upper
149	100		
177	19.4	15.8	23.8
150	12.1	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 41.870 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:204 Resp: 910211

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.5	39.7
141	68.2	52.1	78.1

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
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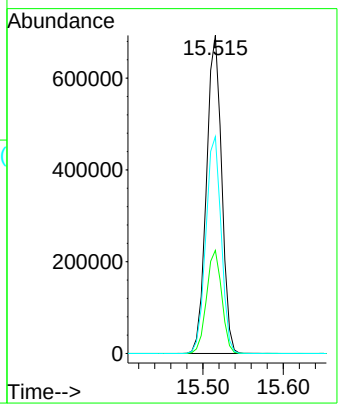
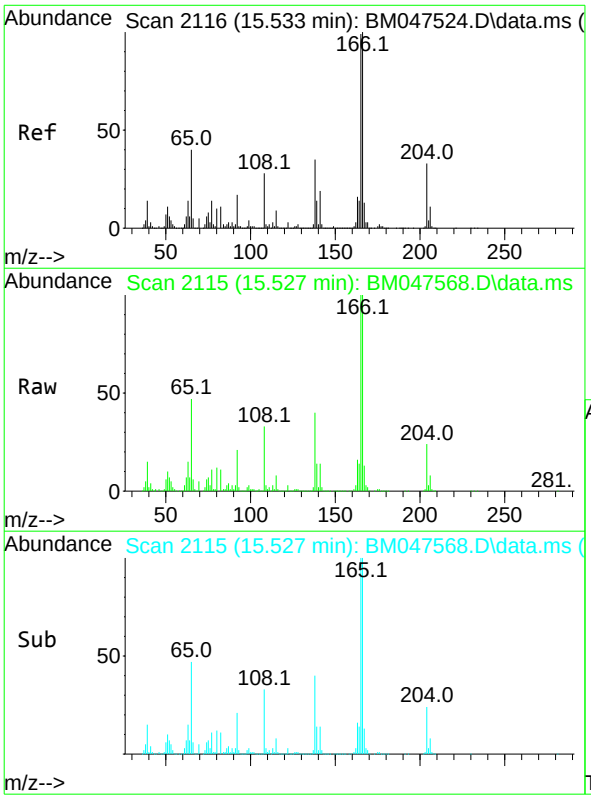
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

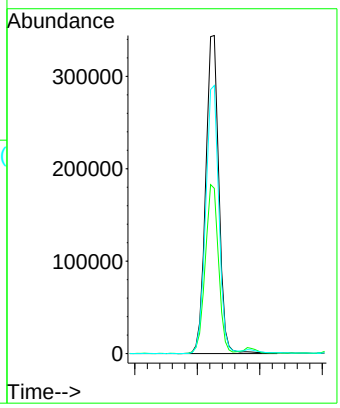


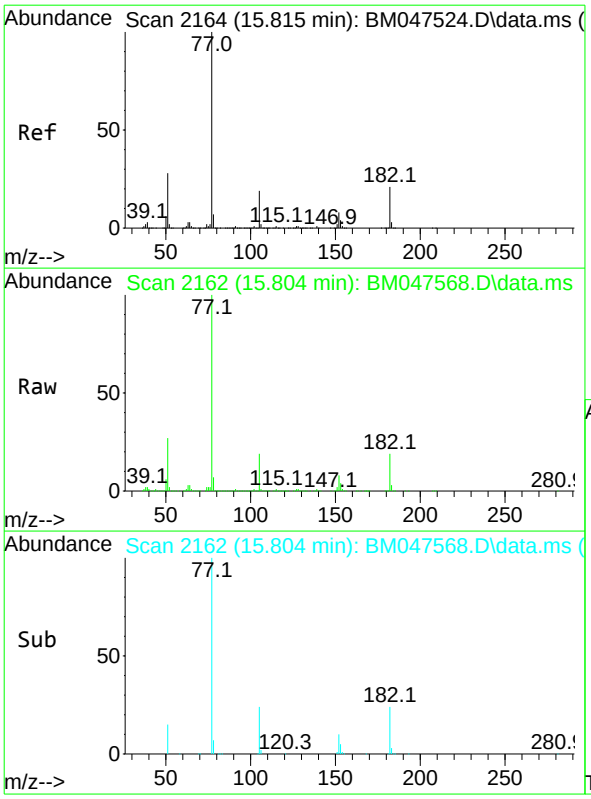


#62
4-Nitroaniline
Concen: 43.698 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:138 Resp: 505374

Ion	Ratio	Lower	Upper
138	100		
92	52.0	30.0	70.0
108	84.3	61.7	101.7

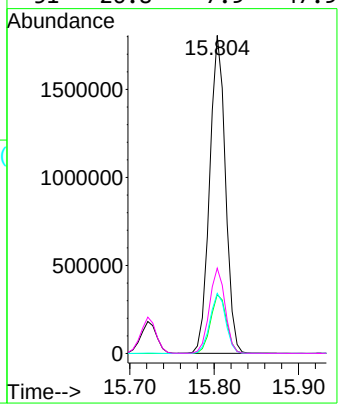




#63
Azobenzene
Concen: 47.721 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 77 Resp: 2344863

Ion	Ratio	Lower	Upper
77	100		
182	18.5	1.2	41.2
105	18.9	0.0	39.4
51	26.8	7.9	47.9



Instrument :
BNA_M
ClientSampleId :
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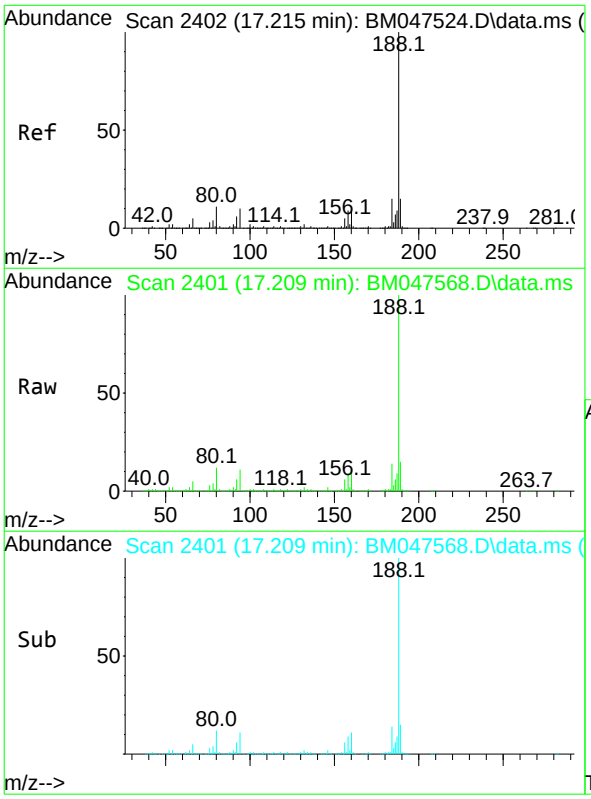
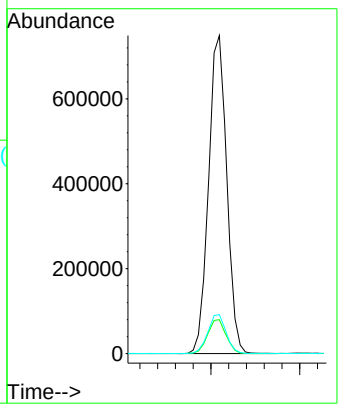
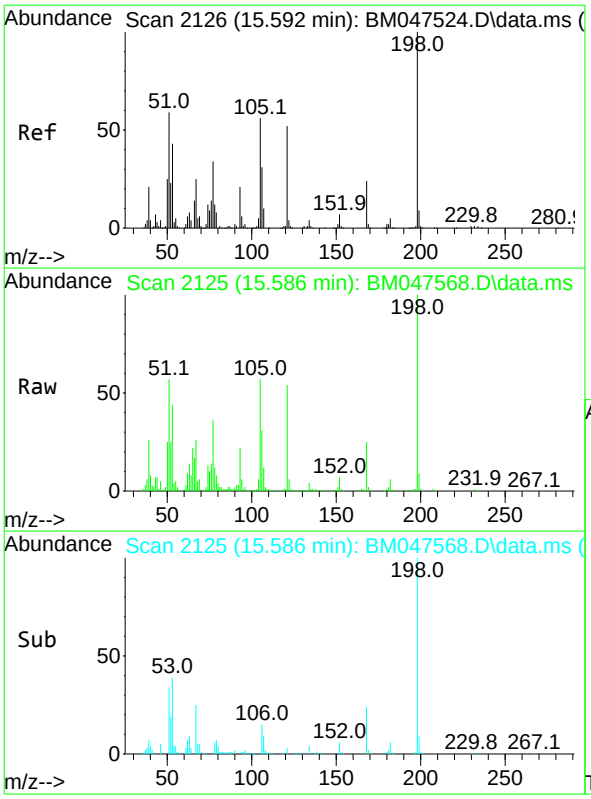


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:188 Resp: 1066013

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.4	12.6
80	12.3	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 44.884 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:198 Resp: 240735

Ion	Ratio	Lower	Upper
198	100		
51	56.7	41.5	81.5
105	57.3	36.4	76.4

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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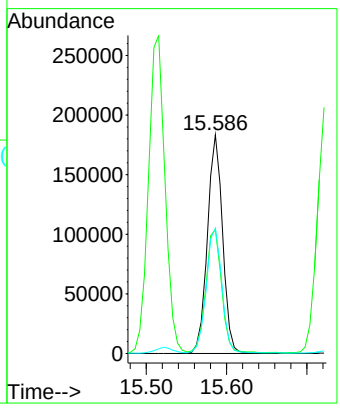
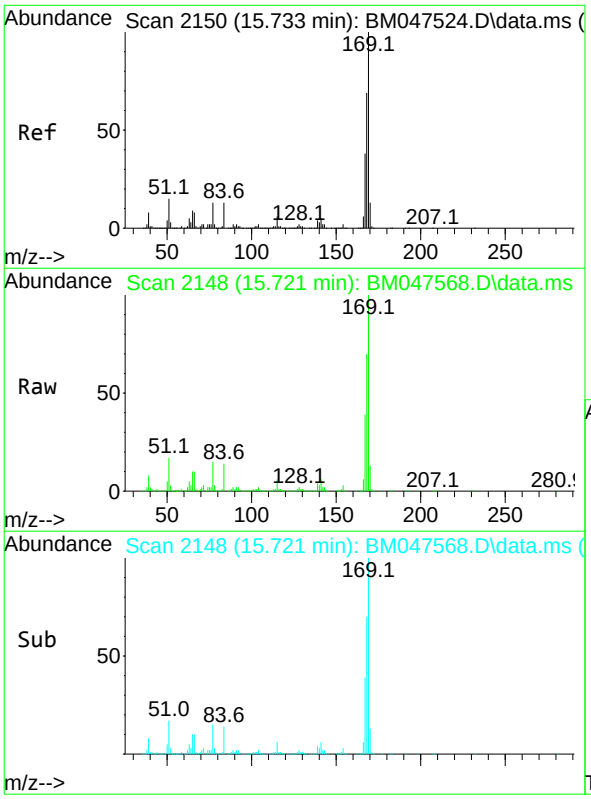
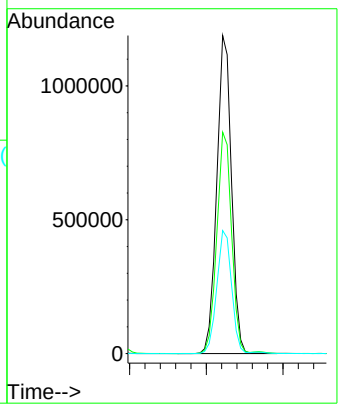


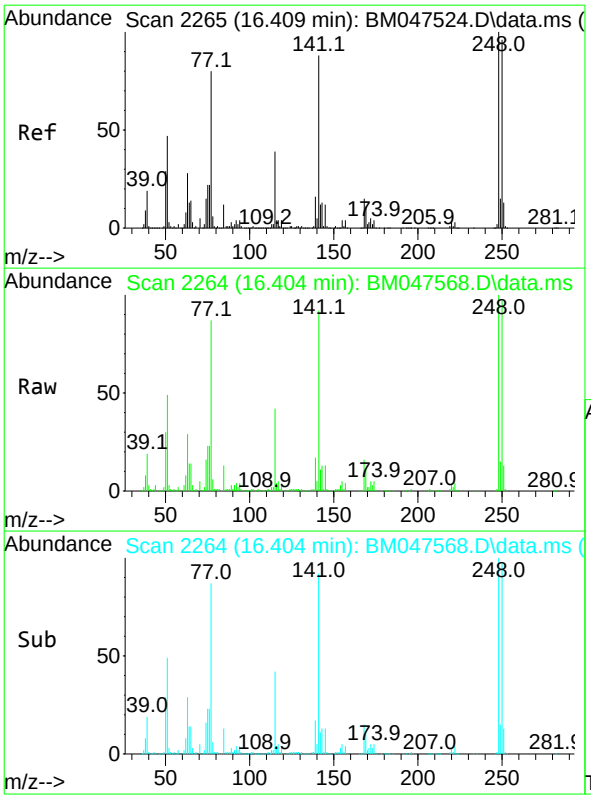


#66
n-Nitrosodiphenylamine
Concen: 48.315 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:169 Resp: 1575610

Ion	Ratio	Lower	Upper
169	100		
168	69.6	55.3	82.9
167	38.7	30.5	45.7

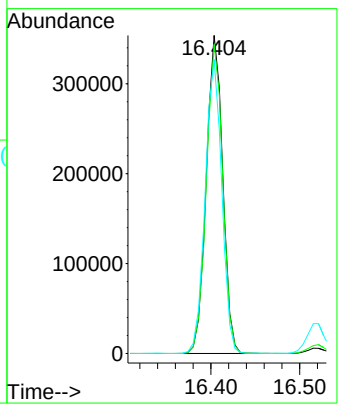




#67
4-Bromophenyl-phenylether
Concen: 44.020 ng
RT: 16.404 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:248 Resp: 455967

Ion	Ratio	Lower	Upper
248	100		
250	97.2	76.9	115.3
141	92.5	70.8	106.2



Instrument :
BNA_M
ClientSampleId :
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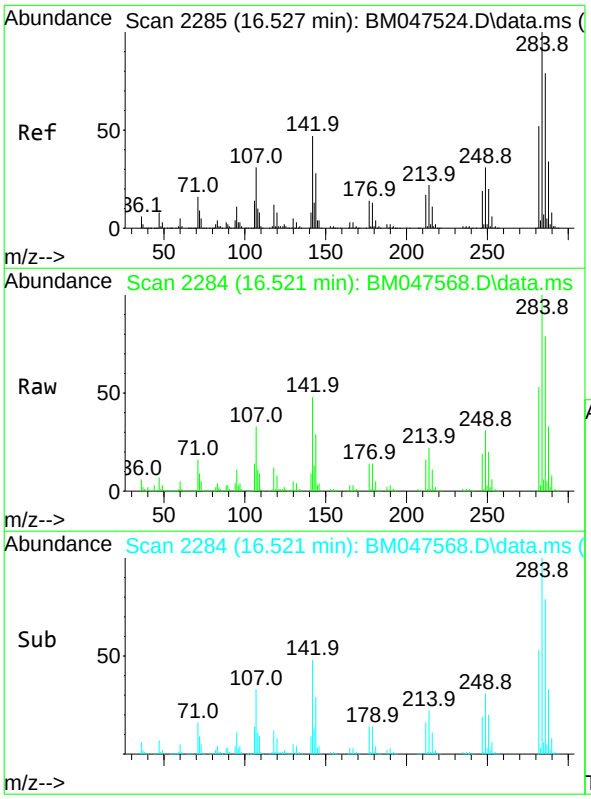
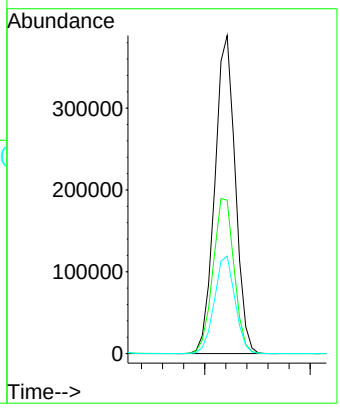
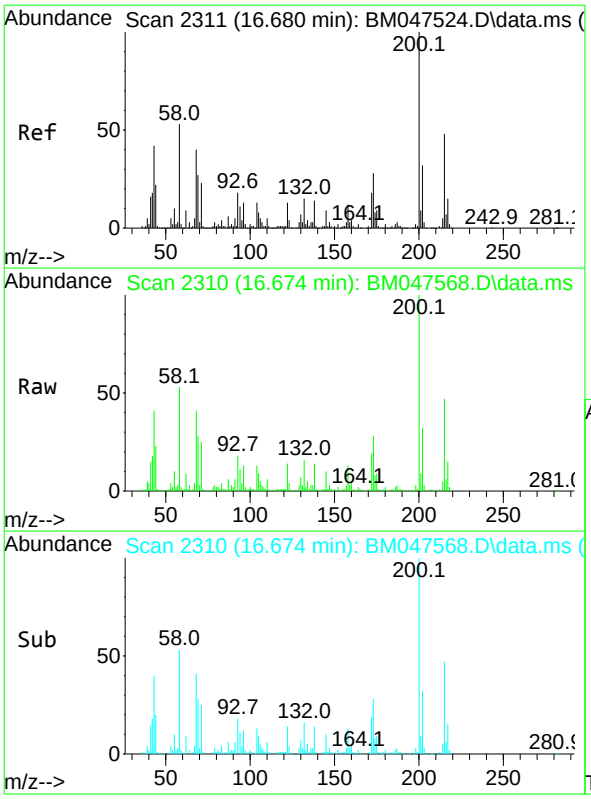


#68
Hexachlorobenzene
Concen: 44.635 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:284 Resp: 523759

Ion	Ratio	Lower	Upper
284	100		
142	48.3	37.3	55.9
249	30.6	24.5	36.7





#69
Atrazine
Concen: 51.477 ng
RT: 16.674 min Scan# 23
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Tgt Ion:200 Resp: 463991

Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.7	47.7
215	47.5	27.9	67.9

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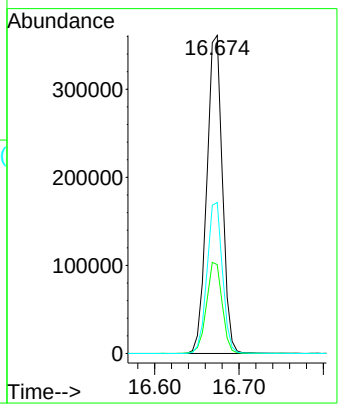
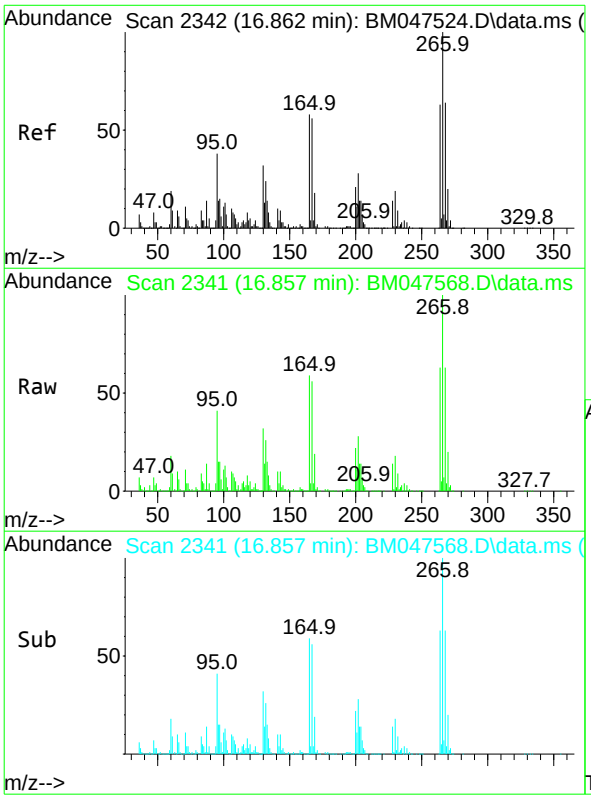
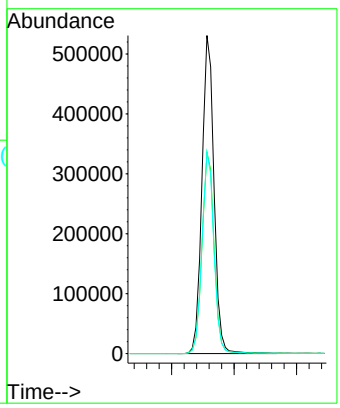


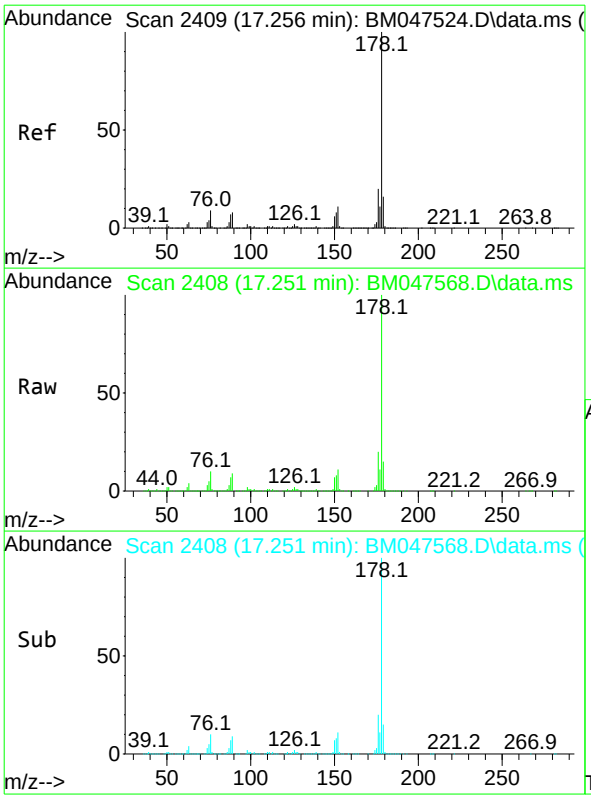


#70
Pentachlorophenol
Concen: 104.346 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:266 Resp: 709776

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.0	76.4
264	63.3	50.4	75.6

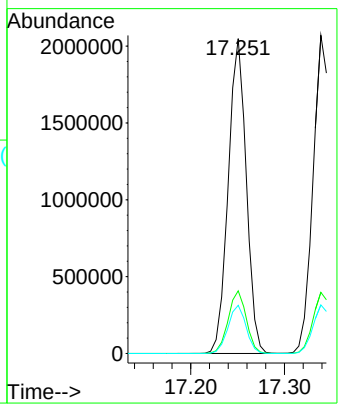




#71
Phenanthrene
Concen: 46.637 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:178 Resp: 2739821

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.3	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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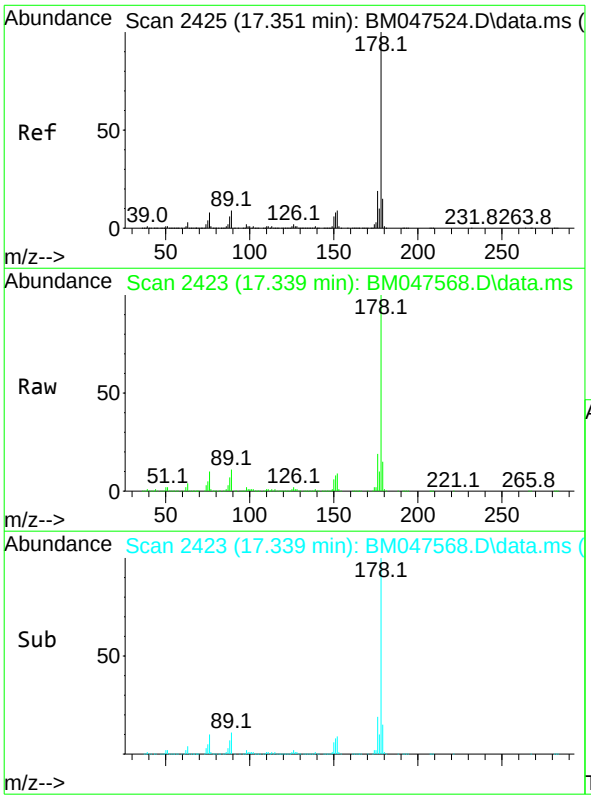
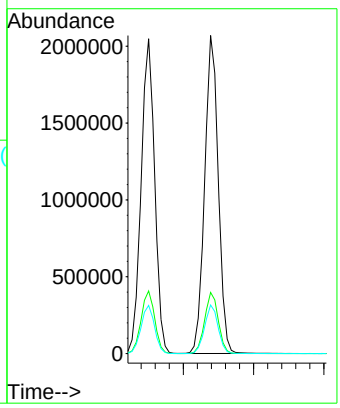
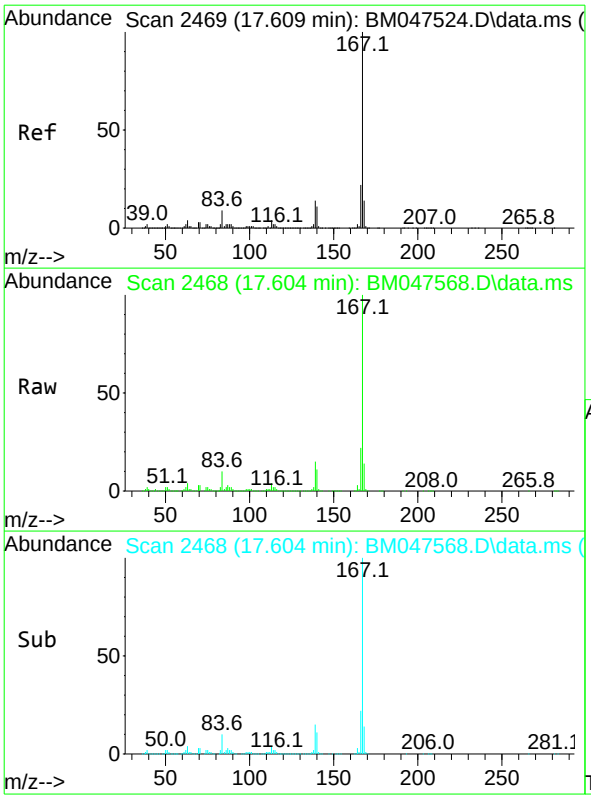


#72
Anthracene
Concen: 49.217 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:178 Resp: 2777929

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.3	18.5

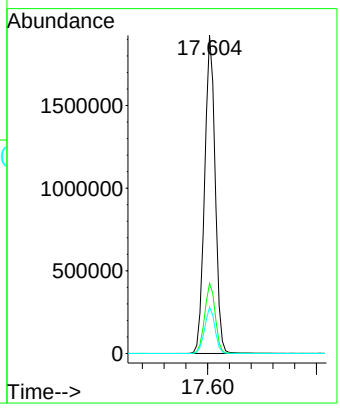




#73
Carbazole
Concen: 46.256 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:167 Resp: 2587365

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	14.5	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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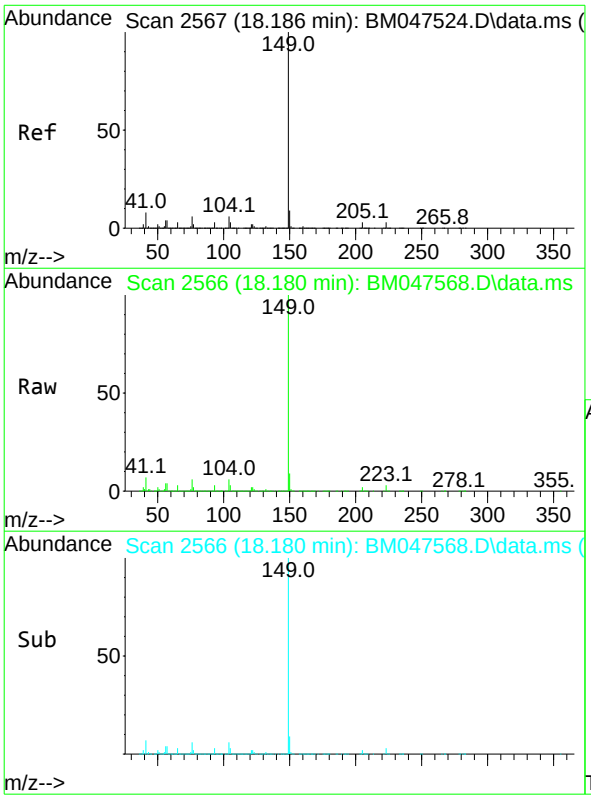
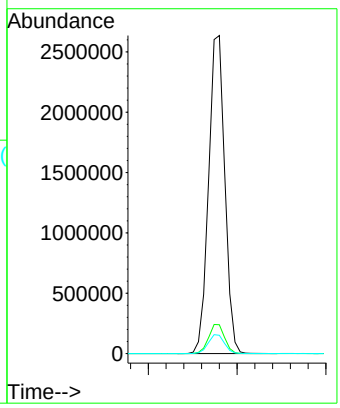
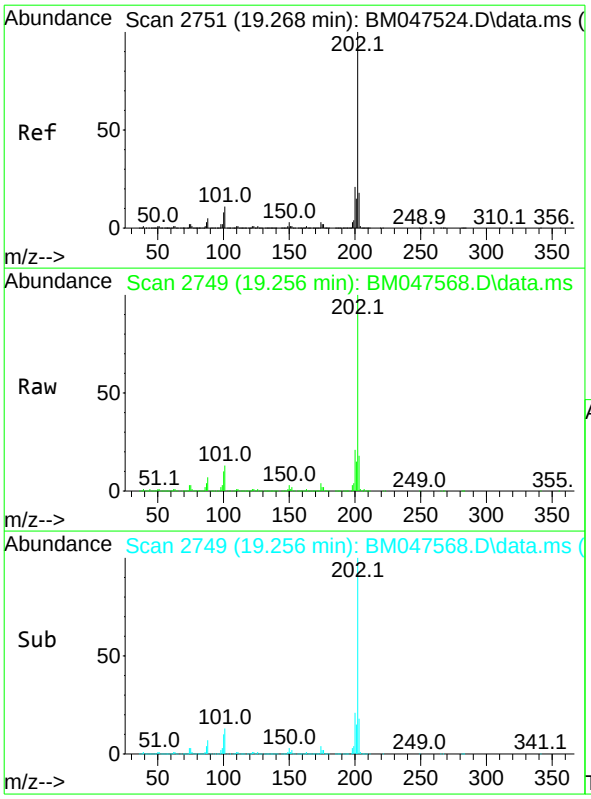


#74
Di-n-butylphthalate
Concen: 49.983 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 3345257

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.7	4.6	6.8

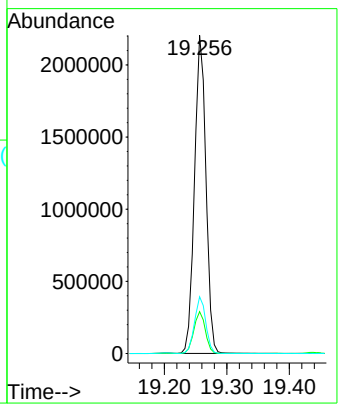




#75
Fluoranthene
Concen: 43.686 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:202 Resp: 2800166

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	30.8
203	17.8	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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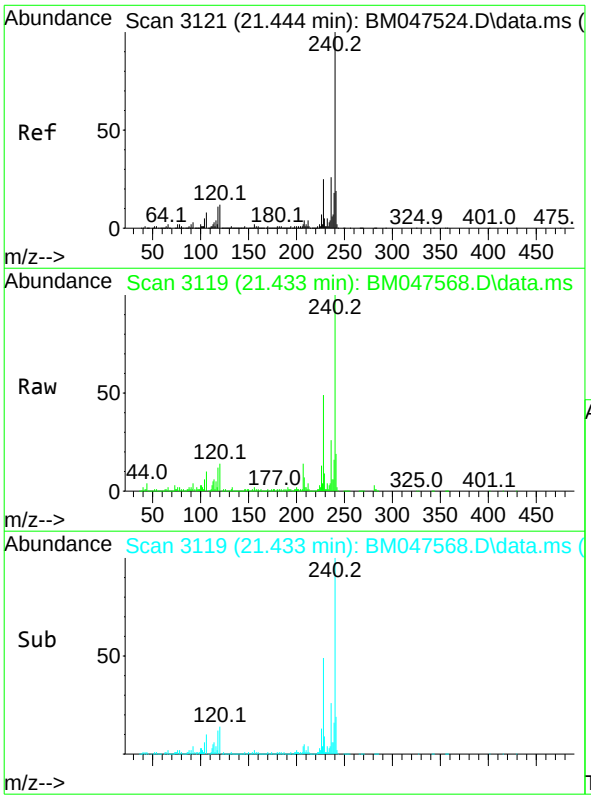
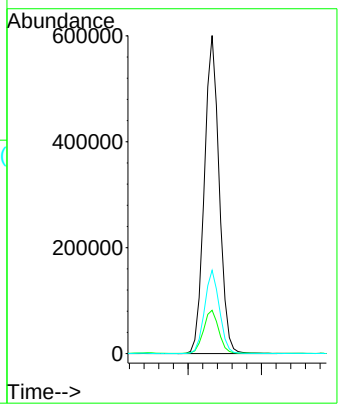
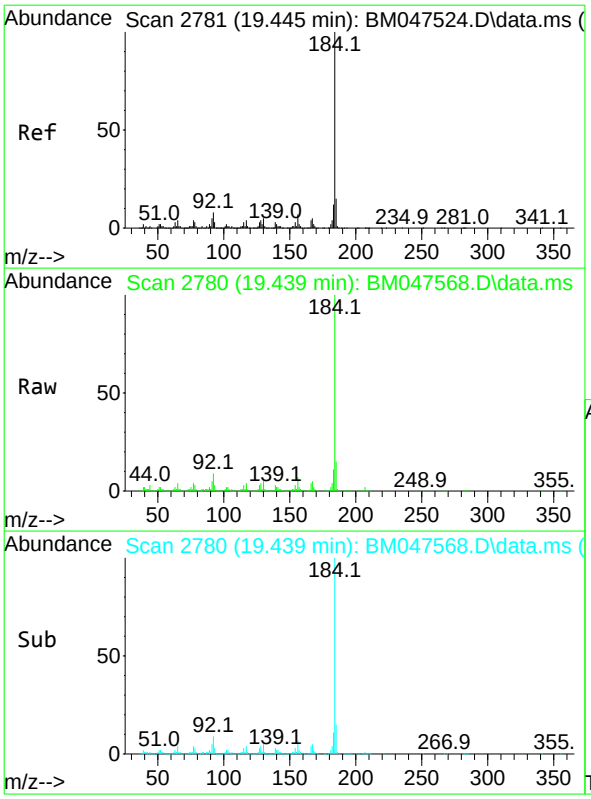


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:240 Resp: 844898

Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.6	14.4
236	26.2	20.9	31.3

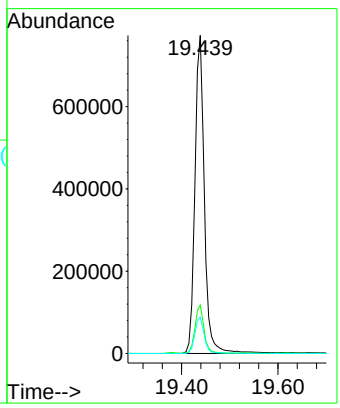




#77
Benzidine
Concen: 88.854 ng
RT: 19.439 min Scan# 27
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:184 Resp: 1057298

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.2
183	11.4	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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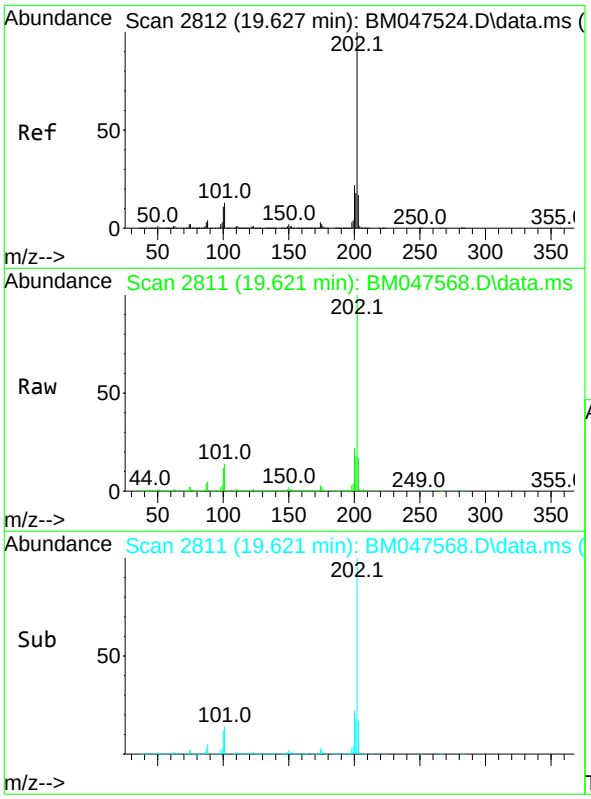
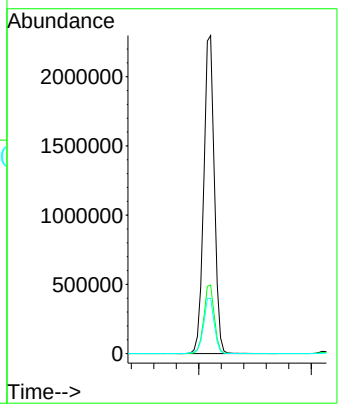
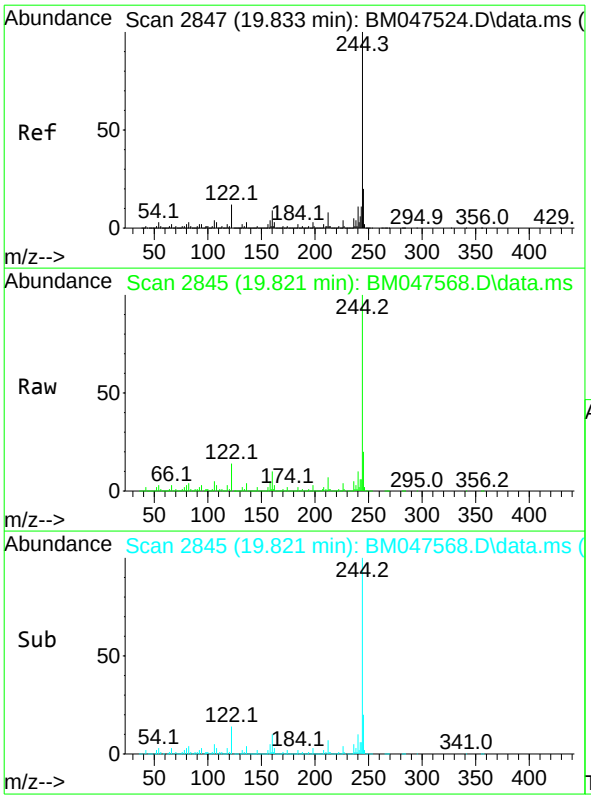


#78
Pyrene
Concen: 48.761 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:202 Resp: 3005093

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.4	14.0	21.0

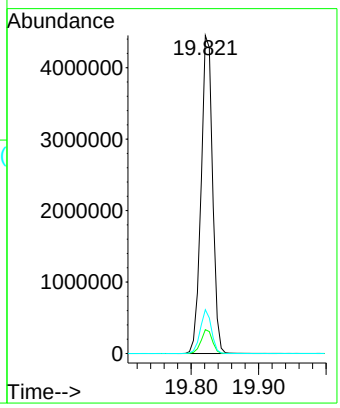




#79
Terphenyl-d14
Concen: 111.348 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:244 Resp: 5250065

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.8	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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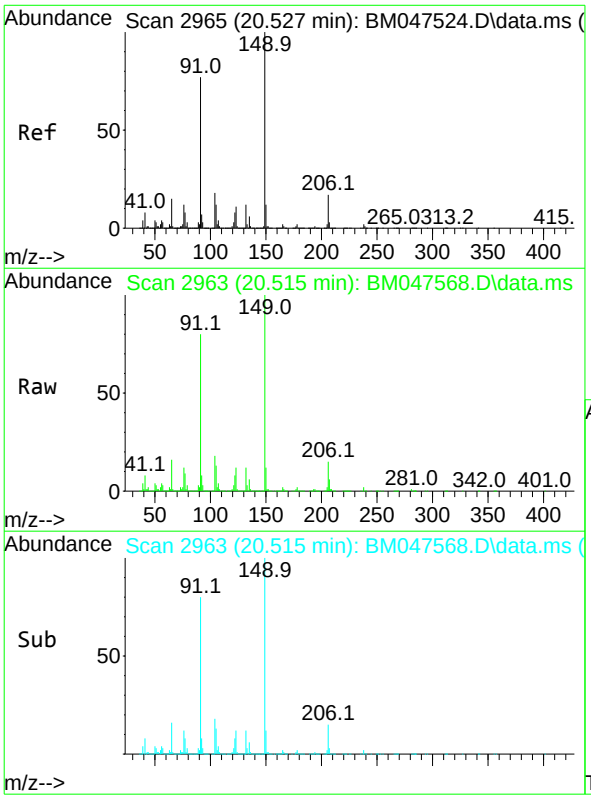
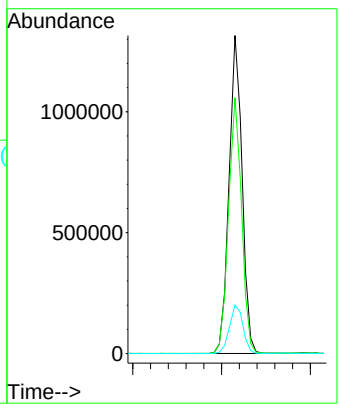
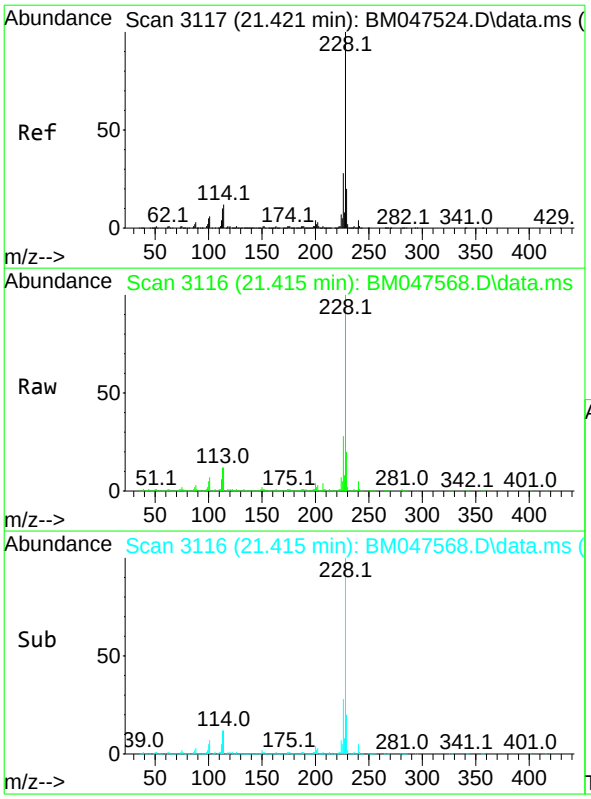


#80
Butylbenzylphthalate
Concen: 56.558 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 1341786

Ion	Ratio	Lower	Upper
149	100		
91	80.5	62.0	93.0
206	15.3	13.8	20.8





#81
Benzo(a)anthracene
Concen: 48.613 ng
RT: 21.415 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:228 Resp: 2677135

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.4	33.6
229	19.7	16.0	24.0

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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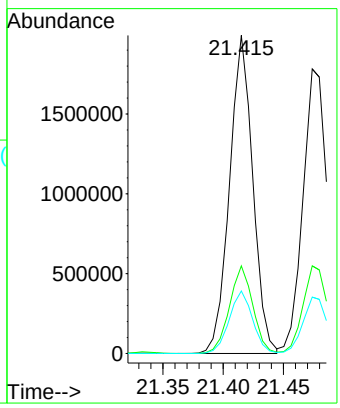
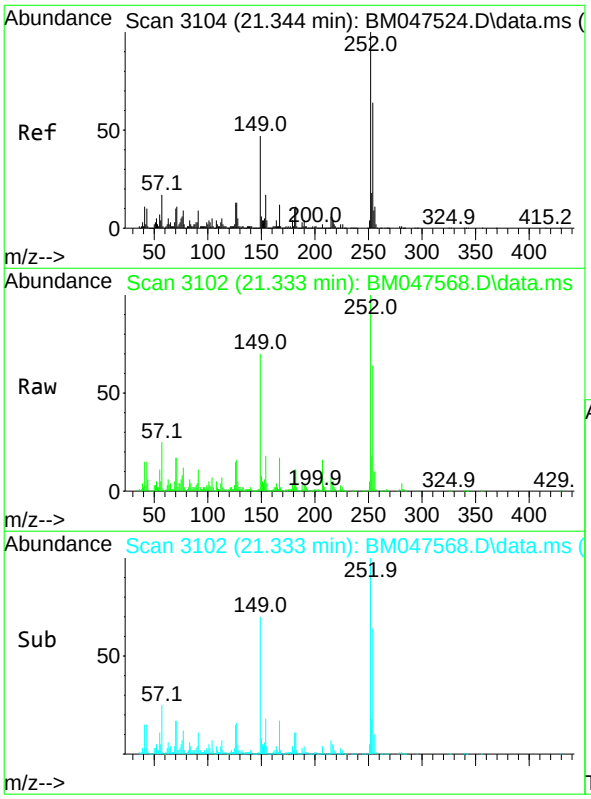
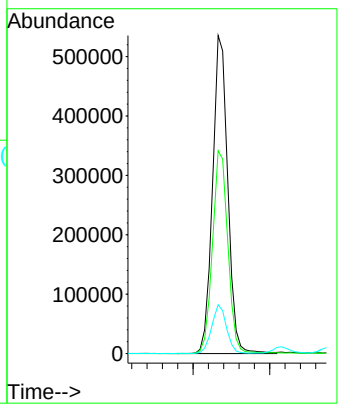


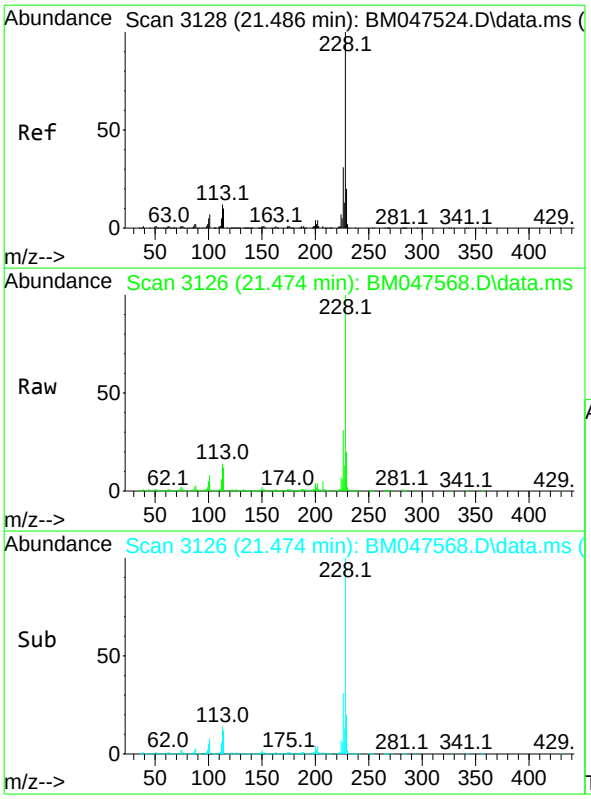


#82
3,3'-Dichlorobenzidine
Concen: 50.365 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:252 Resp: 737815

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.5	77.3
126	15.4	10.3	15.5

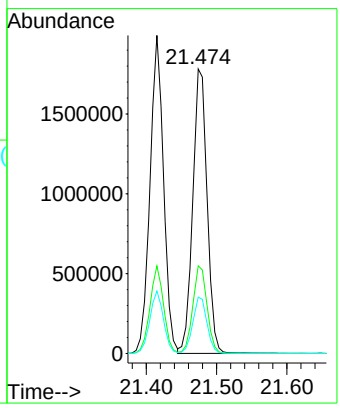




#83
Chrysene
Concen: 48.432 ng
RT: 21.474 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:228 Resp: 2522781

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	19.8	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
PB163318BS

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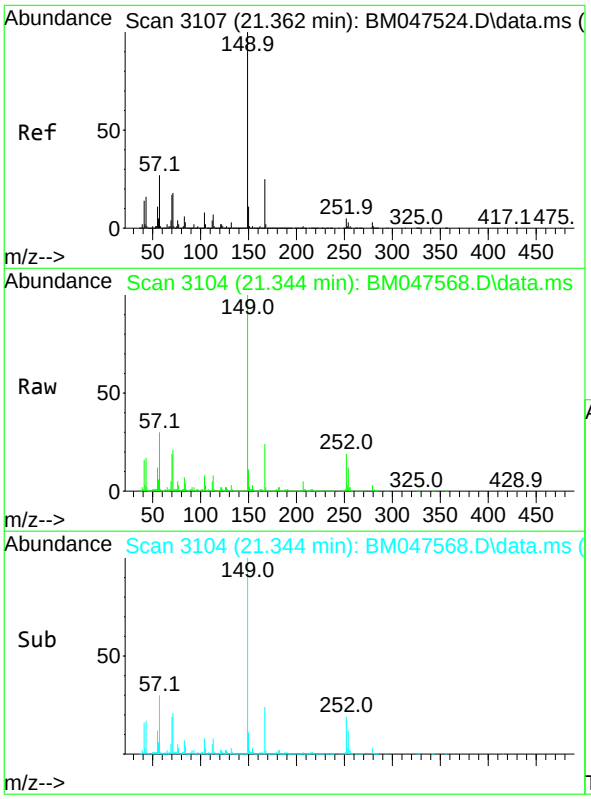
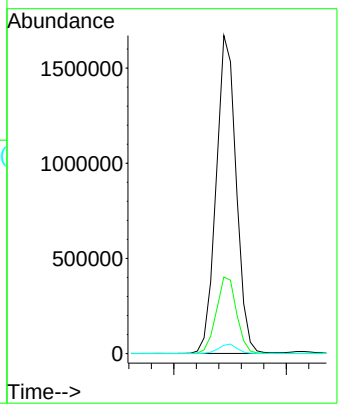
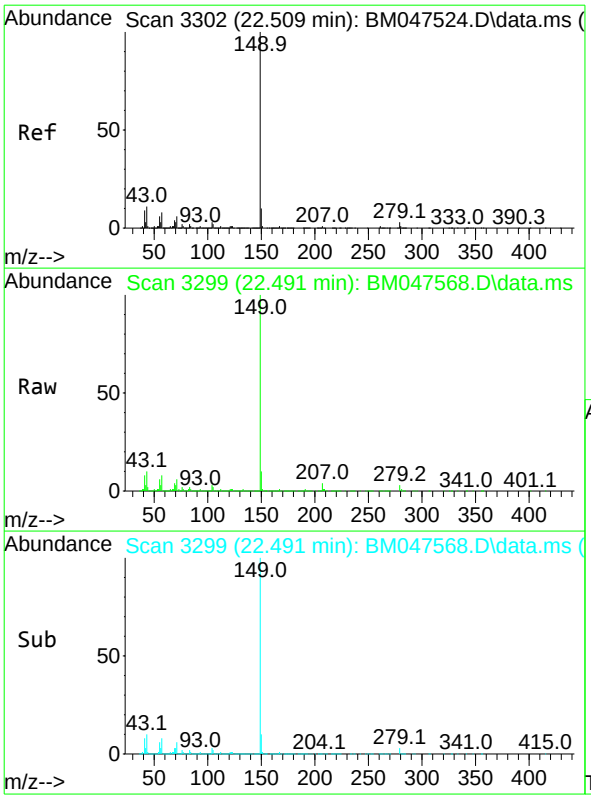


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.572 ng
RT: 21.344 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 2065319

Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.2	30.4
279	2.6	2.6	4.0#





#85
Di-n-octyl phthalate
Concen: 61.068 ng
RT: 22.491 min Scan# 32
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 3210329

Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.1	1.7
43	10.4	8.9	13.3

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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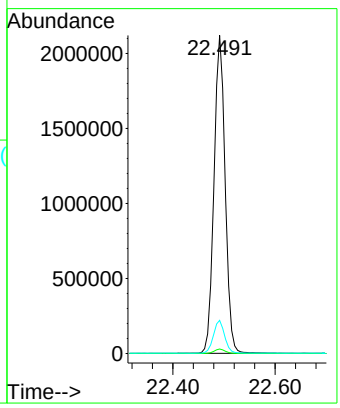
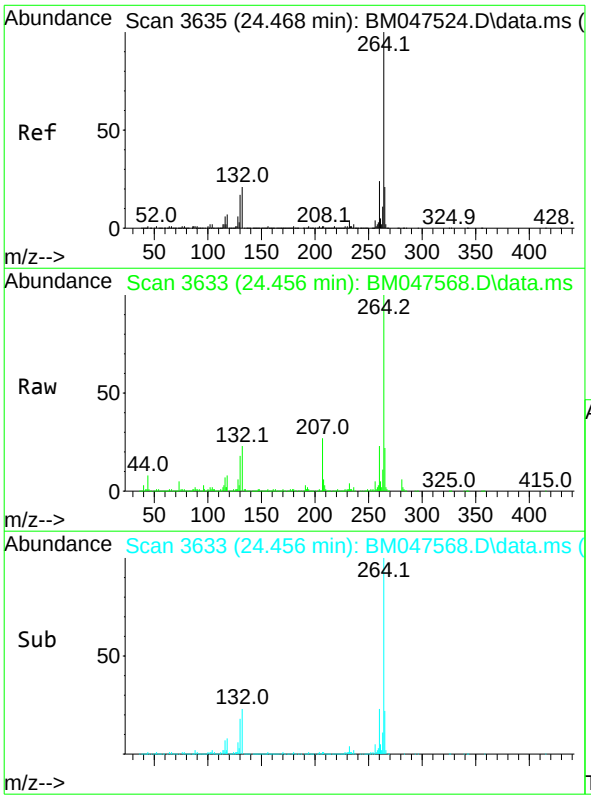
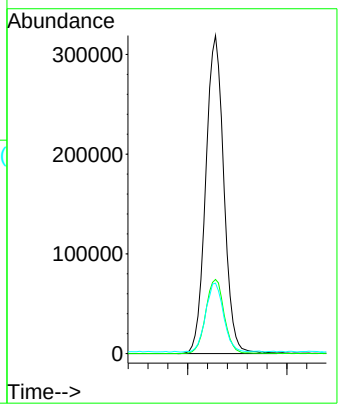


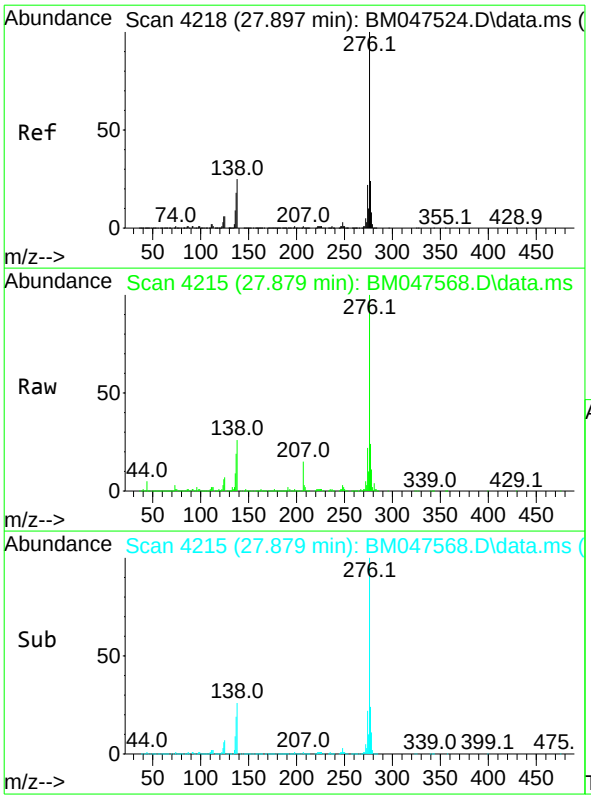


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:264 Resp: 808669

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.1	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 63.665 ng
RT: 27.879 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

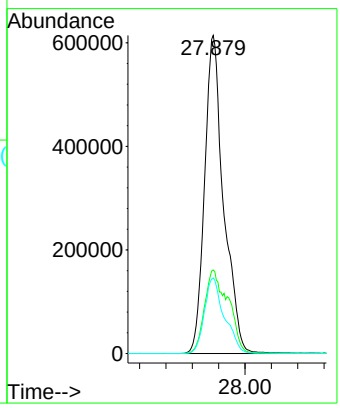
Tgt Ion:276 Resp: 3081058

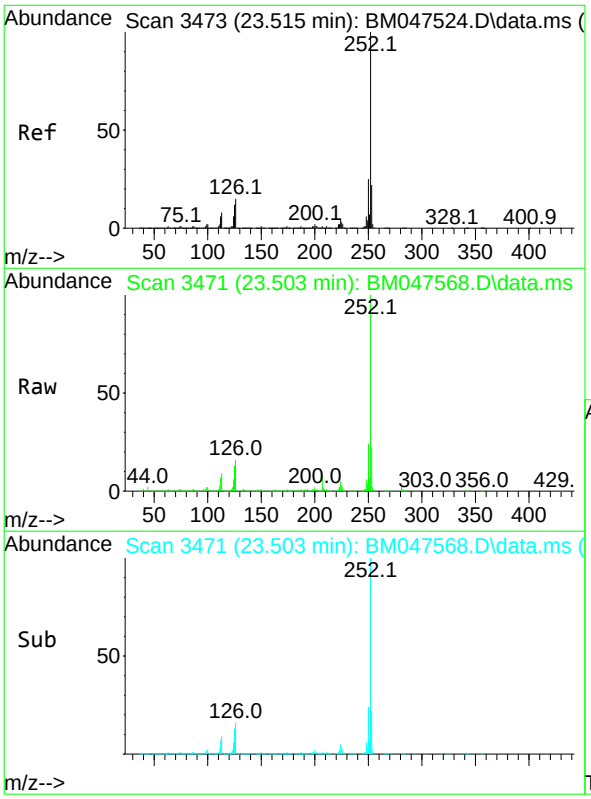
Ion	Ratio	Lower	Upper
276	100		
138	32.6	25.0	37.6
277	24.9	20.1	30.1

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

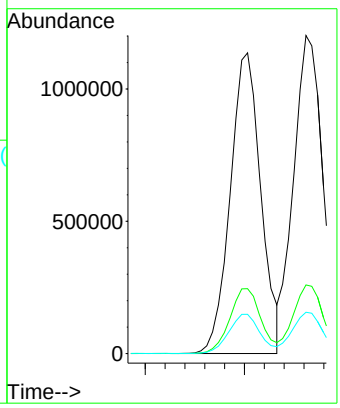


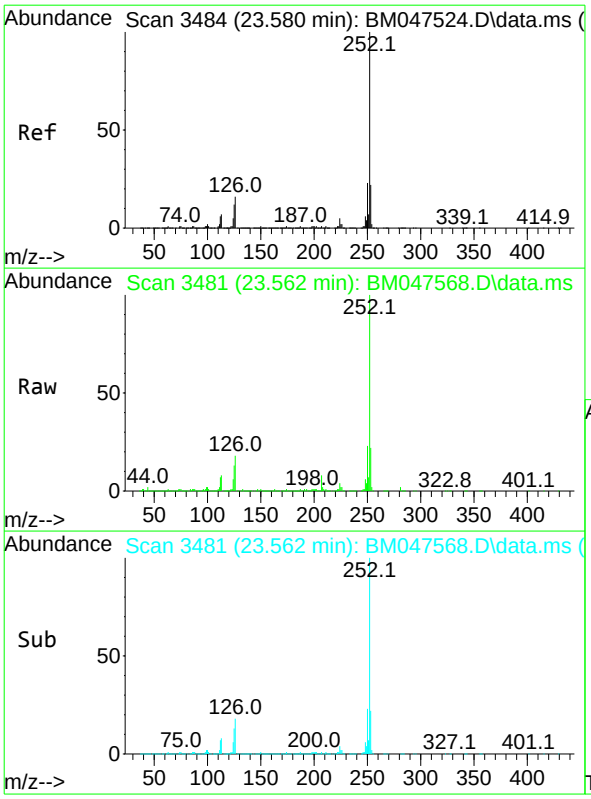


#88
Benzo(b)fluoranthene
Concen: 46.560 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:252 Resp: 2436128

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	13.1	9.5	14.3





#89
Benzo(k)fluoranthene
Concen: 47.799 ng
RT: 23.562 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

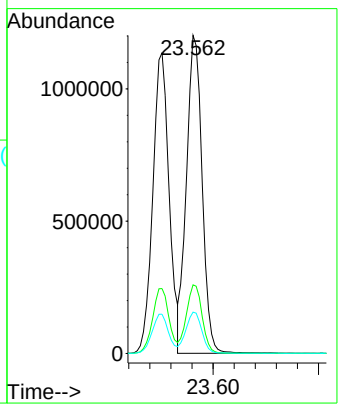
Tgt Ion:252 Resp: 247862

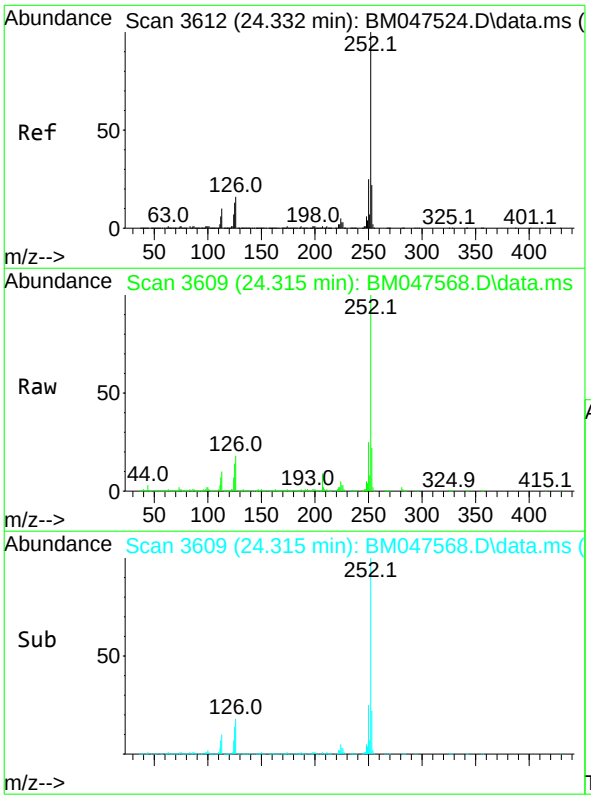
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	13.0	9.5	14.3

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

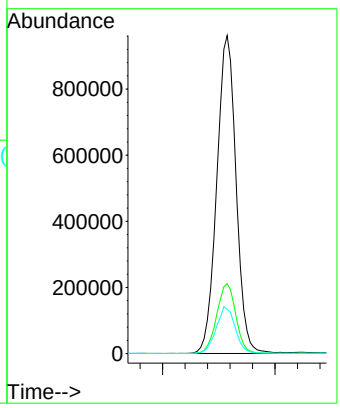


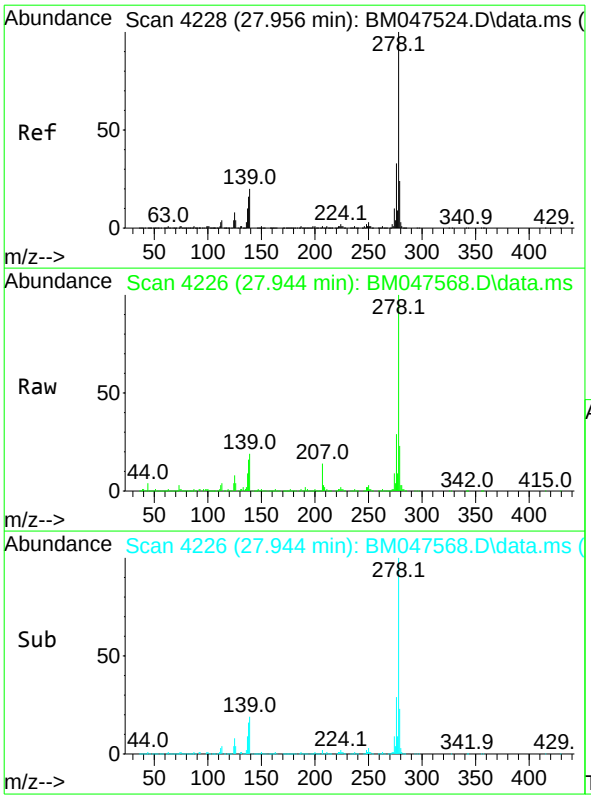


#90
Benzo(a)pyrene
Concen: 53.387 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:252 Resp: 2289428

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	14.0	10.2	15.4

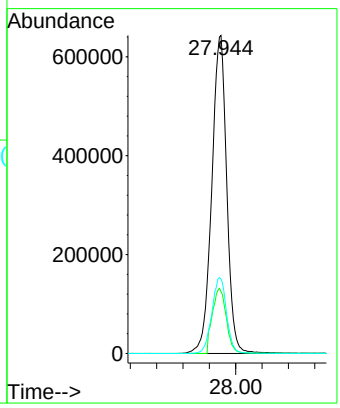




#91
Dibenzo(a,h)anthracene
Concen: 62.334 ng
RT: 27.944 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:278 Resp: 2538011

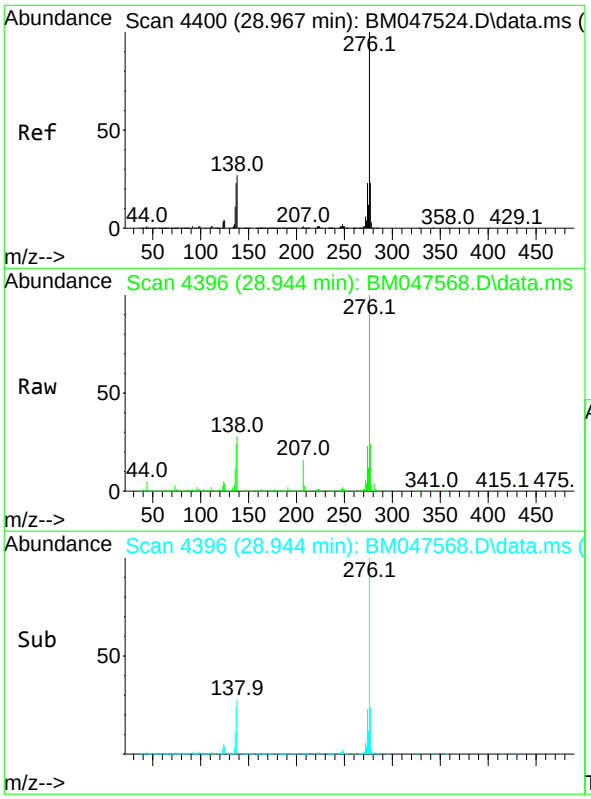
Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.9	23.9
279	23.5	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
APPROVED

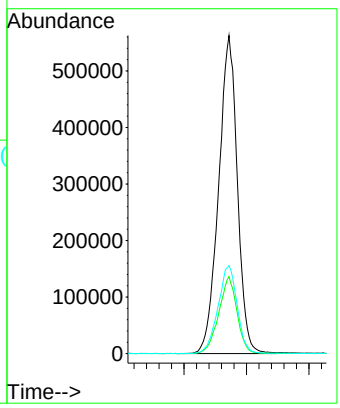
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#92
Benzo(g,h,i)perylene
Concen: 58.978 ng
RT: 28.944 min Scan# 4396
Delta R.T. -0.023 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:276 Resp: 2345773

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	27.6	21.5	32.3



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BSD	SDG No.:	P3845
Lab Sample ID:	PB163318BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047569.D	1	09/12/24 08:40	09/19/24 13:54	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	40.8		1.00	10.0	ug/L
110-86-1	Pyridine	36.1		1.60	5.00	ug/L
100-52-7	Benzaldehyde	17.6		4.00	10.0	ug/L
62-53-3	Aniline	45.5		1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.7		1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	40.9		0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	42.7		0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.1		0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	45.4		1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.5		1.40	5.00	ug/L
98-86-2	Acetophenone	44.6		1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.0		1.50	2.50	ug/L
67-72-1	Hexachloroethane	43.6		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.5		1.30	5.00	ug/L
78-59-1	Isophorone	45.0		1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.8		1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.2		1.10	5.00	ug/L
91-20-3	Naphthalene	43.3		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	28.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.3		1.30	5.00	ug/L
105-60-2	Caprolactam	43.8		1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.3		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	46.3		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.2		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.8		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.9		0.93	5.00	ug/L
208-96-8	Acenaphthylene	49.9		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.6		1.20	5.00	ug/L

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BSD	SDG No.:	P3845
Lab Sample ID:	PB163318BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047569.D	1	09/12/24 08:40	09/19/24 13:54	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	36.8		1.40	5.00	ug/L
83-32-9	Acenaphthene	50.9		0.81	5.00	ug/L
132-64-9	Dibenzofuran	45.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	45.7		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.9		0.98	5.00	ug/L
86-73-7	Fluorene	44.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.5		2.00	5.00	ug/L
86-30-6	n-Nitrosodiphenylamine	48.8		0.89	5.00	ug/L
103-33-3	Azobenzene	47.6		1.20	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.8		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	45.1		1.10	5.00	ug/L
1912-24-9	Atrazine	52.1		1.30	5.00	ug/L
85-01-8	Phenanthrene	47.1		0.89	5.00	ug/L
120-12-7	Anthracene	49.5		1.10	5.00	ug/L
86-74-8	Carbazole	46.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	49.8		1.50	5.00	ug/L
206-44-0	Fluoranthene	44.0		1.30	5.00	ug/L
92-87-5	Benzidine	88.5	E	4.10	10.0	ug/L
129-00-0	Pyrene	48.3		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	56.2		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	51.4		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	49.1		0.94	5.00	ug/L
218-01-9	Chrysene	48.6		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.5		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	61.0		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.1		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	48.0		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.4		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	63.6		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	63.0		1.20	5.00	ug/L

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BSD	SDG No.:	P3845
Lab Sample ID:	PB163318BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM047569.D	1	09/12/24 08:40	09/19/24 13:54	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	59.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.7		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	39.0		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	39.5		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	153		10 - 139	102%	SPK: 150
13127-88-3	Phenol-d6	139		10 - 134	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.5		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.9		52 - 132	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	113		48 - 125	113%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	313000	7.845			
1146-65-2	Naphthalene-d8	1210000	10.639			
15067-26-2	Acenaphthene-d10	613000	14.474			
1517-22-2	Phenanthrene-d10	1050000	17.21			
1719-03-5	Chrysene-d12	836000	21.433			
1520-96-3	Perylene-d12	807000	24.456			

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\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	312652	20.000	ng		0.00
21) Naphthalene-d8	10.639	136	1211917	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	613404	20.000	ng		0.00
64) Phenanthrene-d10	17.210	188	1048553	20.000	ng		0.00
76) Chrysene-d12	21.433	240	835988	20.000	ng		-0.01
86) Perylene-d12	24.456	264	806711	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	3001380	152.849	ng		0.00
7) Phenol-d6	7.004	99	3830819	138.530	ng		0.00
23) Nitrobenzene-d5	8.992	82	2335679	96.452	ng		-0.01
42) 2,4,6-Tribromophenol	15.957	330	842227	142.050	ng		0.00
45) 2-Fluorobiphenyl	13.098	172	4315694	96.918	ng		-0.01
79) Terphenyl-d14	19.821	244	5281167	113.202	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	327657	38.958	ng		99
3) Pyridine	3.710	79	903337	36.083	ng		98
4) n-Nitrosodimethylamine	3.616	42	463407	40.797	ng		94
6) Aniline	7.163	93	1114446	45.457	ng		100
8) 2-Chlorophenol	7.404	128	977204	45.143	ng		98
9) Benzaldehyde	6.975	77	231232	17.585	ng		99
10) Phenol	7.034	94	1262093	45.581	ng		97
11) bis(2-Chloroethyl)ether	7.263	93	971343	43.696	ng		98
12) 1,3-Dichlorobenzene	7.734	146	1012115	42.717	ng		99
13) 1,4-Dichlorobenzene	7.875	146	1016987	42.141	ng		99
14) 1,2-Dichlorobenzene	8.193	146	971941	40.924	ng		98
15) Benzyl Alcohol	8.075	79	850986	45.431	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.363	45	1329121	42.505	ng		98
17) 2-Methylphenol	8.281	107	785893	44.429	ng		97
18) Hexachloroethane	8.928	117	420465	43.614	ng		97
19) n-Nitroso-di-n-propyla...	8.645	70	764052	40.979	ng		97
20) 3+4-Methylphenols	8.604	107	1057865	42.861	ng		99
22) Acetophenone	8.663	105	1422087	44.633	ng	#	98
24) Nitrobenzene	9.040	77	1108309	44.540	ng		100
25) Isophorone	9.569	82	1913866	44.955	ng		100
26) 2-Nitrophenol	9.745	139	429354	50.635	ng		99
27) 2,4-Dimethylphenol	9.810	122	739664	57.544	ng		99
28) bis(2-Chloroethoxy)met...	10.045	93	1197364	44.775	ng		100
29) 2,4-Dichlorophenol	10.281	162	765581	46.880	ng		98
30) 1,2,4-Trichlorobenzene	10.498	180	770321	41.180	ng		98
31) Naphthalene	10.686	128	2837269	43.348	ng		100
32) Benzoic acid	9.928	122	519346	41.966	ng		98
33) 4-Chloroaniline	10.786	127	680573	28.759	ng		98
34) Hexachlorobutadiene	10.981	225	427487	41.259	ng		99
35) Caprolactam	11.563	113	235553m	43.792	ng		
36) 4-Chloro-3-methylphenol	11.910	107	837721	44.762	ng		96
37) 2-Methylnaphthalene	12.298	142	1842679	42.299	ng		99
38) 1-Methylnaphthalene	12.516	142	1711593	39.536	ng		100
40) 1,2,4,5-Tetrachloroben...	12.669	216	791753	47.701	ng	#	97
41) Hexachlorocyclopentadiene	12.657	237	943035	173.794	ng		99
43) 2,4,6-Trichlorophenol	12.904	196	524521	50.441	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.975	196	558681	47.566	ng		99
46) 1,1'-Biphenyl	13.310	154	2211954	46.347	ng		100
47) 2-Chloronaphthalene	13.351	162	1676373	45.236	ng		99
48) 2-Nitroaniline	13.545	65	541845	49.780	ng		99
49) Acenaphthylene	14.192	152	2666450	49.861	ng		99
50) Dimethylphthalate	13.927	163	1918542	45.889	ng		99
51) 2,6-Dinitrotoluene	14.039	165	393353	44.568	ng		93
52) Acenaphthene	14.539	154	1907981m	50.920	ng		
53) 3-Nitroaniline	14.369	138	361244	36.824	ng		96
54) 2,4-Dinitrophenol	14.569	184	413034	82.181	ng		99
55) Dibenzofuran	14.869	168	2370535	45.021	ng		98
56) 4-Nitrophenol	14.674	139	855857	106.021	ng		97
57) 2,4-Dinitrotoluene	14.822	165	541137	45.972	ng		97
58) Fluorene	15.516	166	2088643	44.059	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	424887	46.398	ng		95
60) Diethylphthalate	15.292	149	2032402	45.676	ng		99
61) 4-Chlorophenyl-phenyle...	15.516	204	907298	41.858	ng		99
62) 4-Nitroaniline	15.521	138	501117	43.457	ng		97
63) Azobenzene	15.804	77	2330821	47.573	ng		97
65) 4,6-Dinitro-2-methylph...	15.586	198	236745	44.877	ng		96
66) n-Nitrosodiphenylamine	15.721	169	1565272	48.797	ng		99
67) 4-Bromophenyl-phenylether	16.404	248	456056	44.762	ng		98
68) Hexachlorobenzene	16.521	284	520321	45.080	ng		99
69) Atrazine	16.668	200	461837	52.091	ng		99
70) Pentachlorophenol	16.857	266	708658	105.917	ng		99
71) Phenanthrene	17.251	178	2723635	47.134	ng		100
72) Anthracene	17.339	178	2748272	49.502	ng		99
73) Carbazole	17.604	167	2574886	46.799	ng		99
74) Di-n-butylphthalate	18.180	149	3281482	49.847	ng		99
75) Fluoranthene	19.256	202	2772764	43.979	ng		97
77) Benzidine	19.439	184	1041881	88.491	ng		99
78) Pyrene	19.621	202	2942597	48.256	ng		99
80) Butylbenzylphthalate	20.515	149	1320356	56.247	ng		96
81) Benzo(a)anthracene	21.415	228	2675714	49.105	ng		99
82) 3,3'-Dichlorobenzidine	21.333	252	744323	51.351	ng	#	97
83) Chrysene	21.474	228	2502737	48.559	ng		99
84) Bis(2-ethylhexyl)phtha...	21.345	149	2039617	55.465	ng		98
85) Di-n-octyl phthalate	22.492	149	3174143	61.023	ng		98
87) Indeno(1,2,3-cd)pyrene	27.885	276	3072358	63.640	ng		98
88) Benzo(b)fluoranthene	23.503	252	2406481	46.105	ng		98
89) Benzo(k)fluoranthene	23.568	252	2482785	47.996	ng		99
90) Benzo(a)pyrene	24.315	252	2282601	53.357	ng		98
91) Dibenzo(a,h)anthracene	27.938	278	2557213	62.958	ng		99
92) Benzo(g,h,i)perylene	28.950	276	2340478	58.988	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
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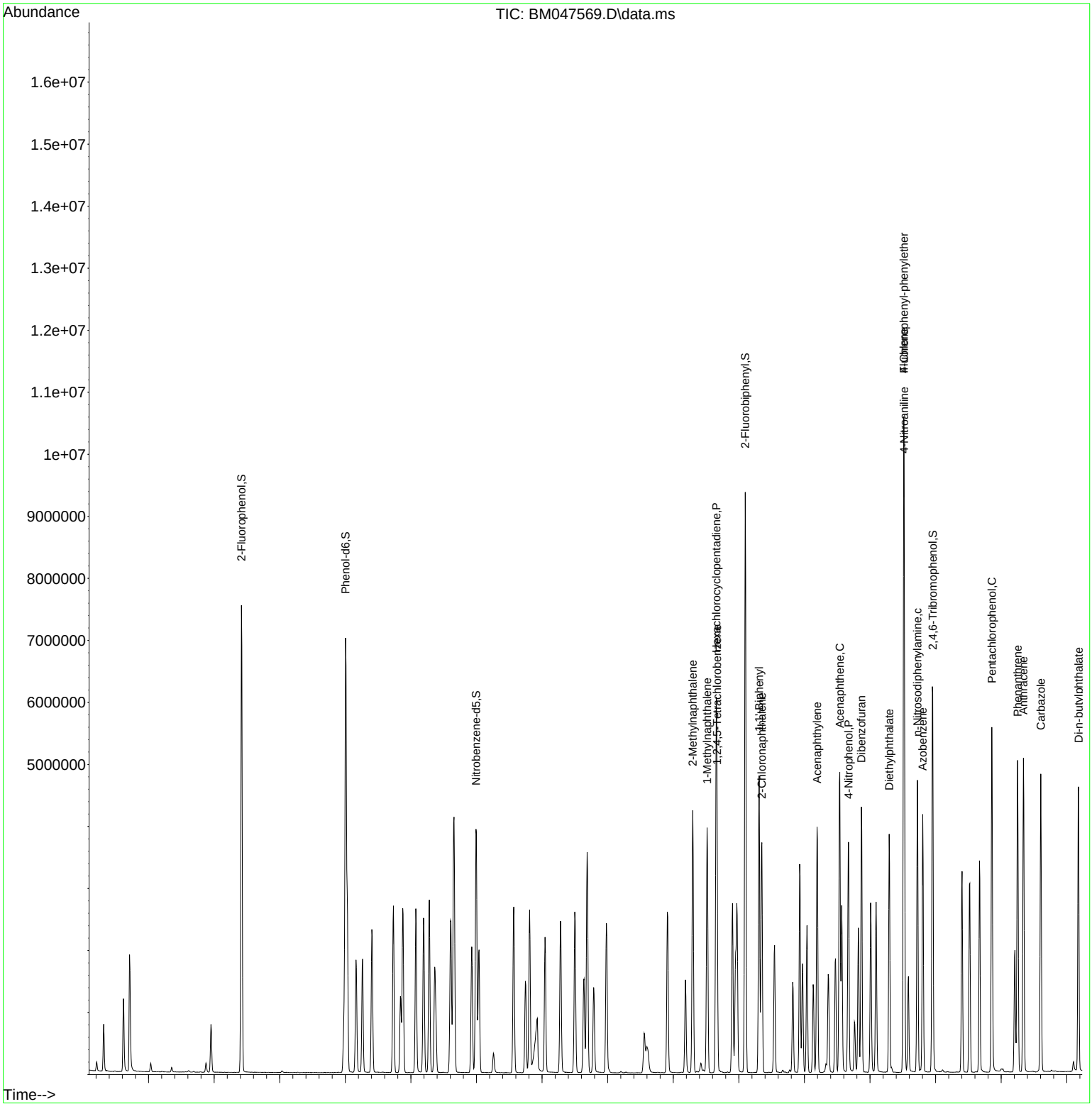

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
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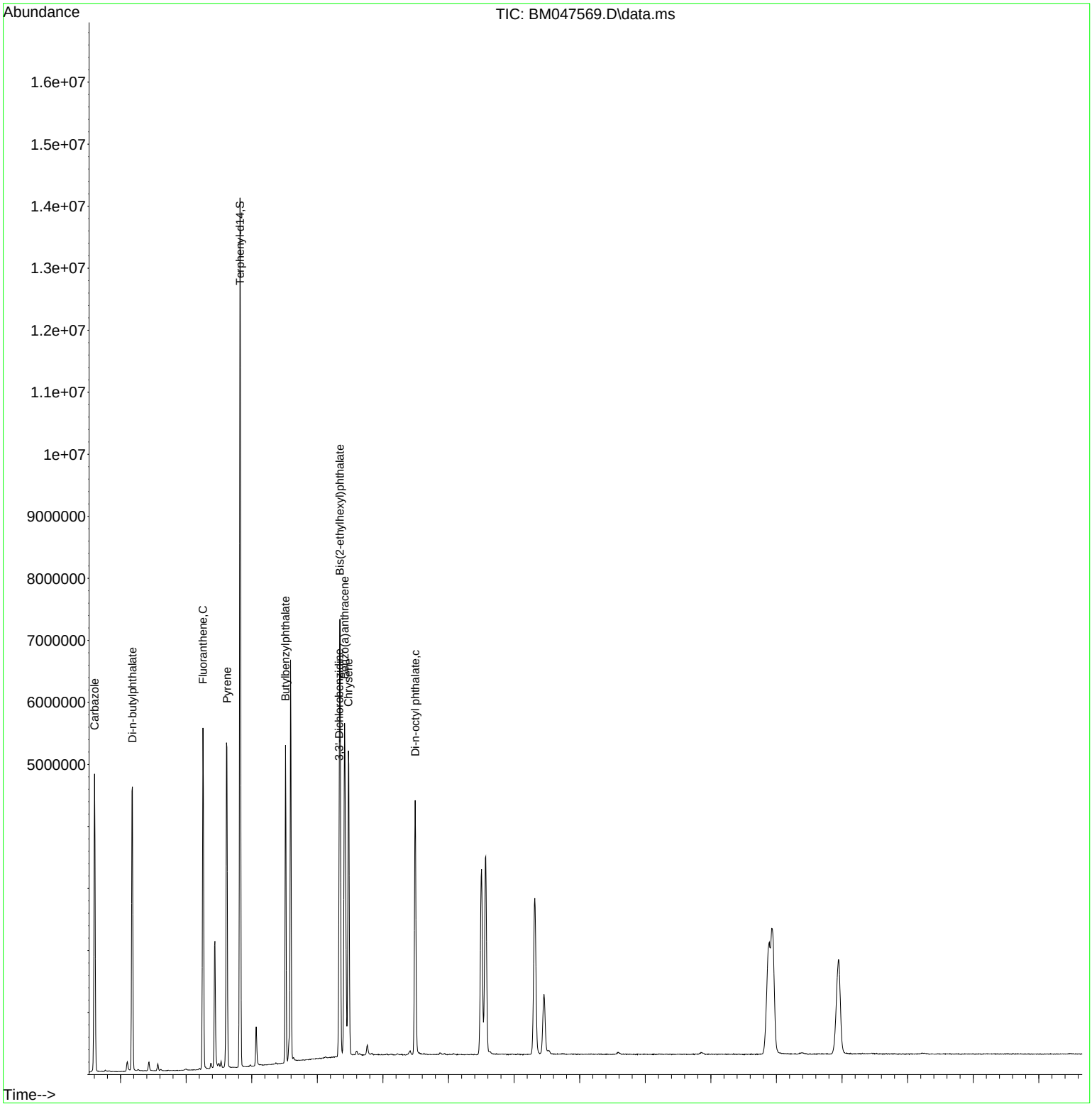
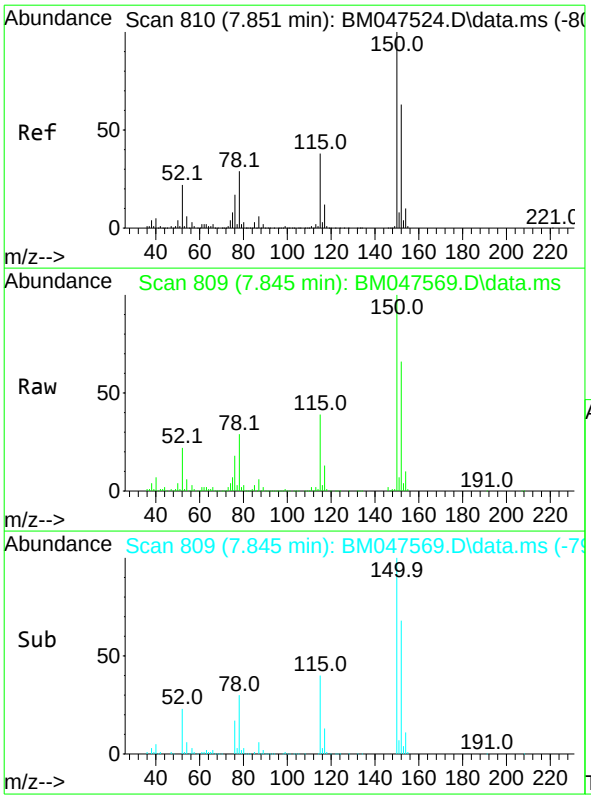
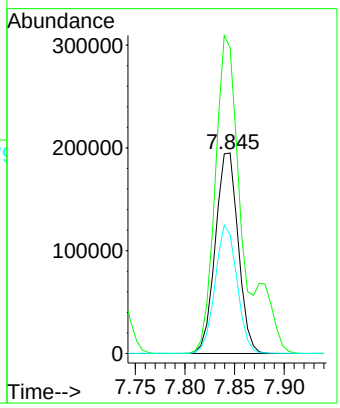




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:152 Resp: 312652

Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.8	190.2
115	59.2	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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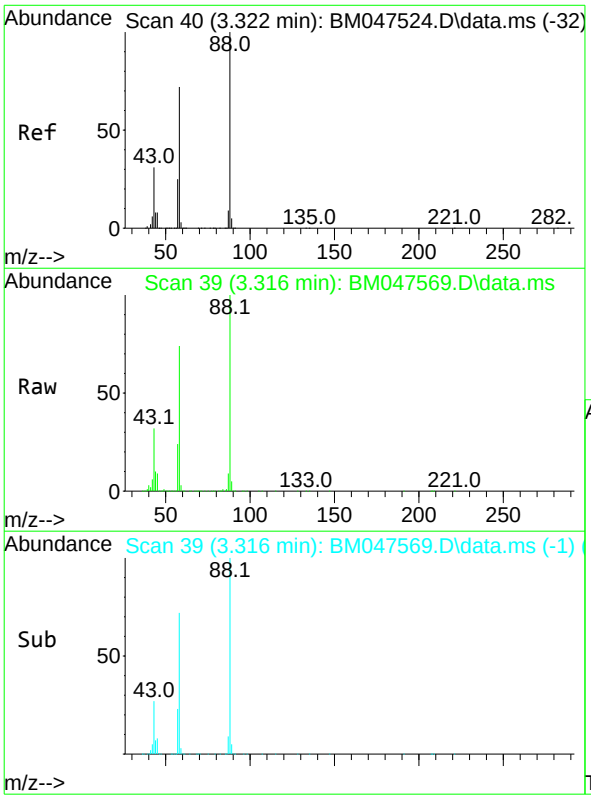
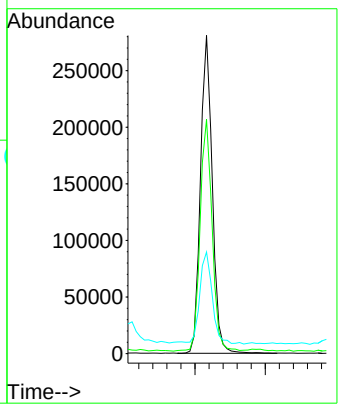
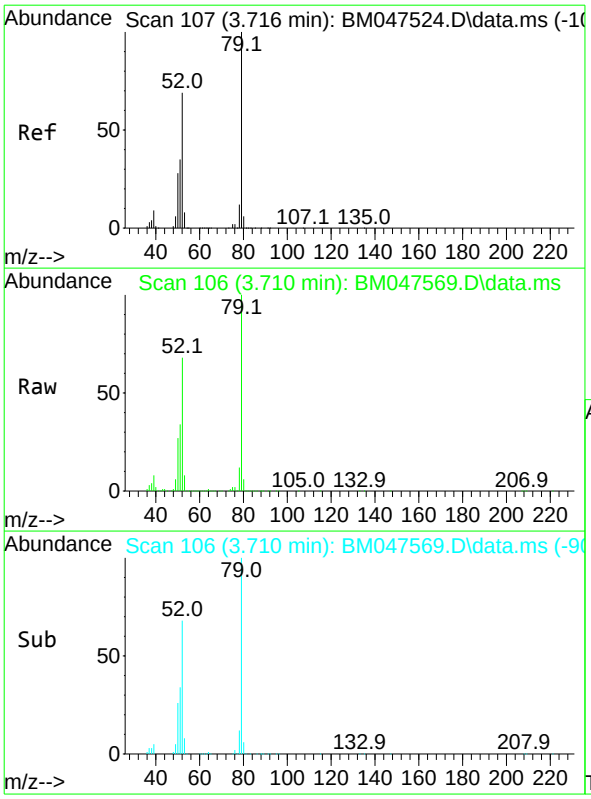


#2
1,4-Dioxane
Concen: 38.958 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 88 Resp: 327657

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.0	88.6
43	29.6	25.0	37.4

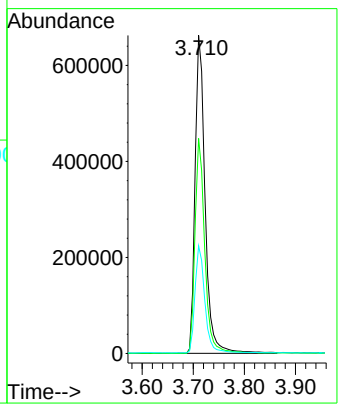




#3
Pyridine
Concen: 36.083 ng
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 79 Resp: 903337

Ion	Ratio	Lower	Upper
79	100		
52	67.6	55.4	83.0
51	33.9	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
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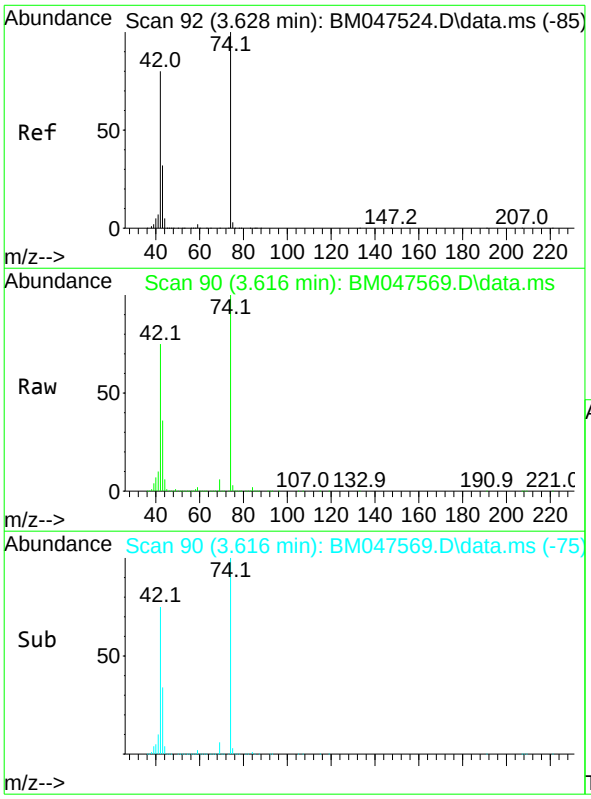
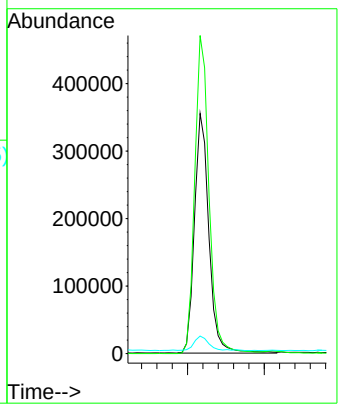
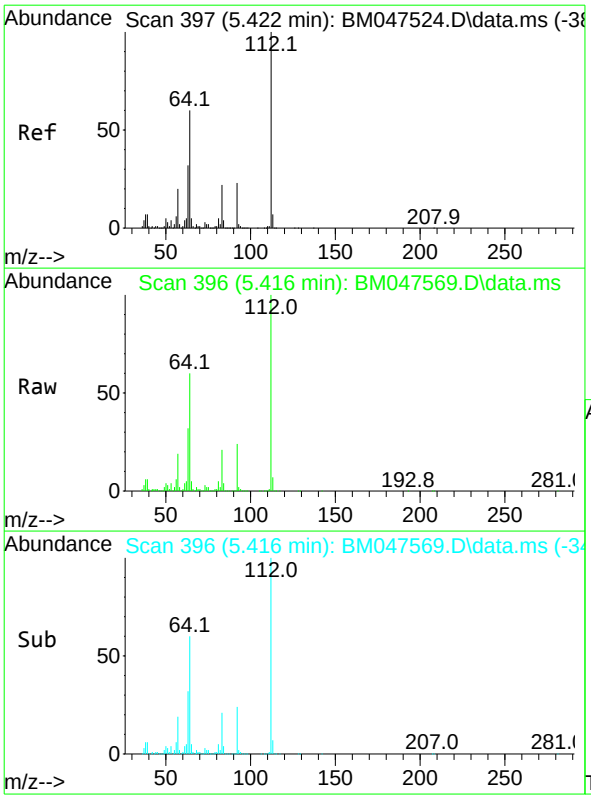


#4
n-Nitrosodimethylamine
Concen: 40.797 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 42 Resp: 463407

Ion	Ratio	Lower	Upper
42	100		
74	132.5	100.5	150.7
44	7.3	6.9	10.3

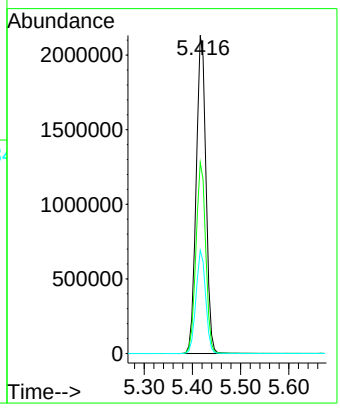




#5
2-Fluorophenol
Concen: 152.849 ng
RT: 5.416 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:112 Resp: 3001380

Ion	Ratio	Lower	Upper
112	100		
64	60.1	48.2	72.4
63	32.5	26.0	39.0



Instrument :
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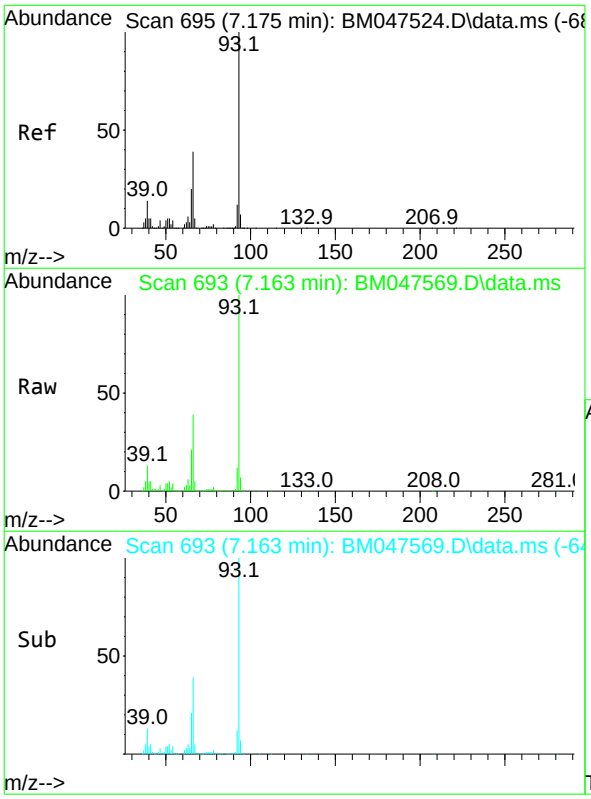
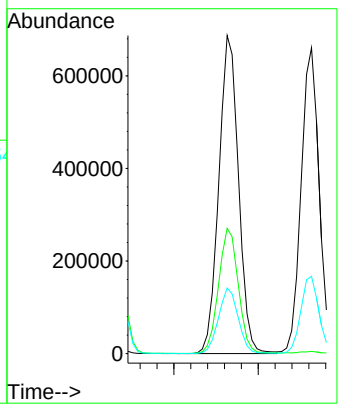
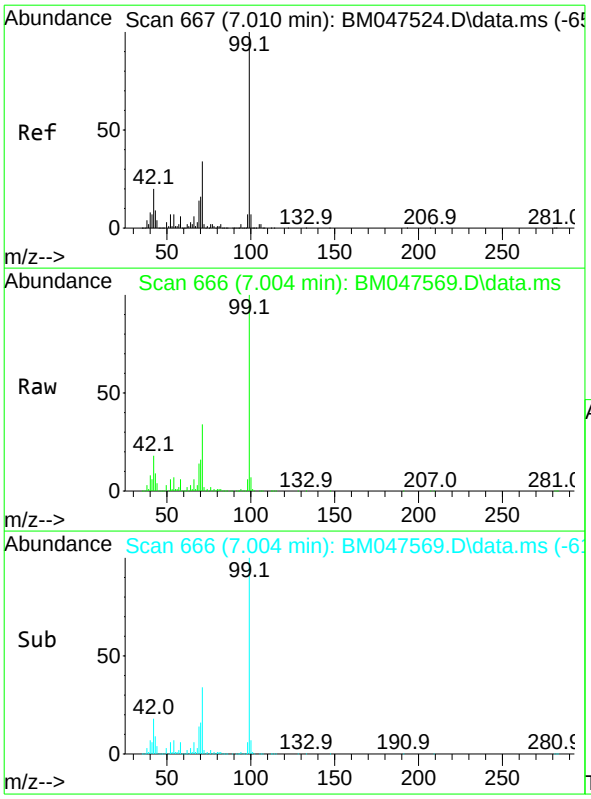


#6
Aniline
Concen: 45.457 ng
RT: 7.163 min Scan# 693
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 93 Resp: 1114446

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.4	47.0
65	20.6	16.3	24.5

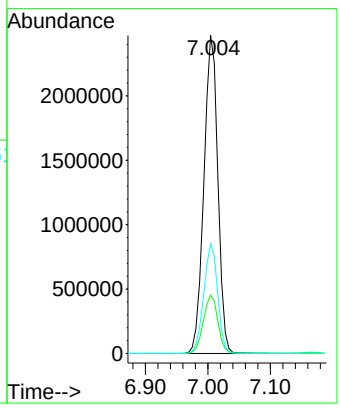




#7
Phenol-d6
Concen: 138.530 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 99 Resp: 3830819

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.8	23.8
71	34.5	27.6	41.4



Instrument :
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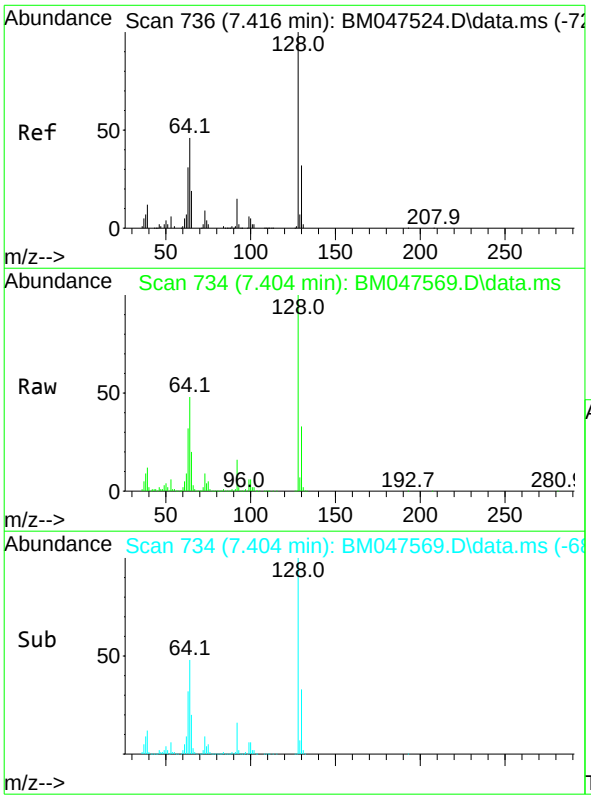
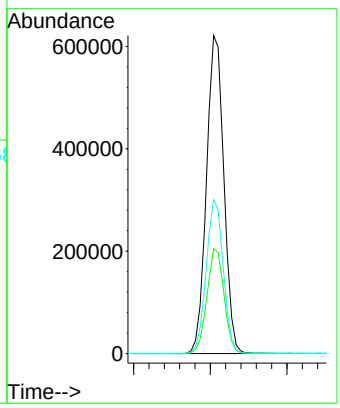
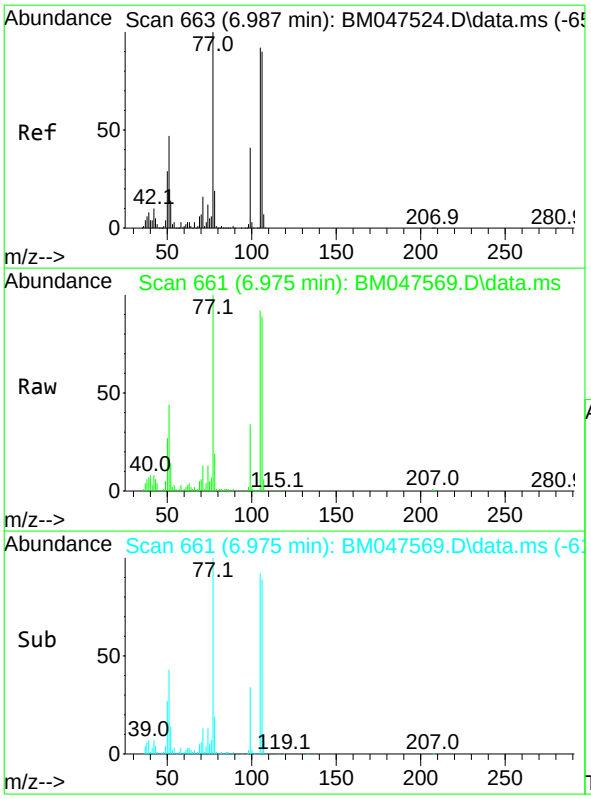


#8
2-Chlorophenol
Concen: 45.143 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:128 Resp: 977204

Ion	Ratio	Lower	Upper
128	100		
130	33.0	11.8	51.8
64	48.4	27.6	67.6

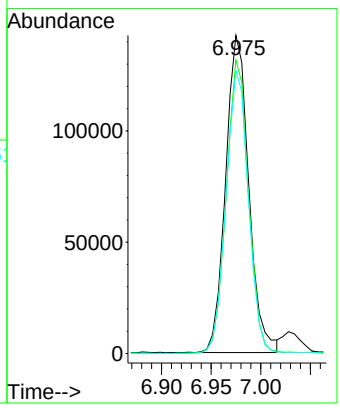




#9
Benzaldehyde
Concen: 17.585 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 77 Resp: 231232

Ion	Ratio	Lower	Upper
77	100		
105	92.2	71.8	111.8
106	88.9	69.7	109.7



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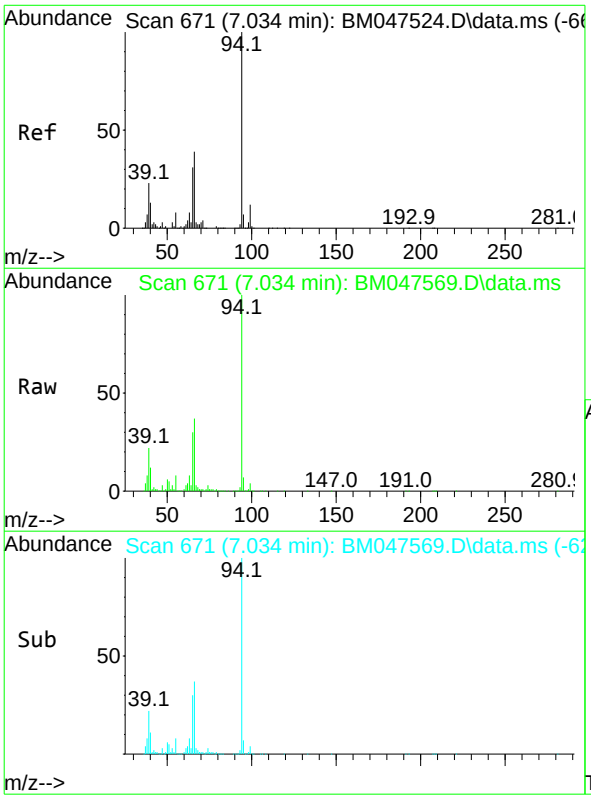
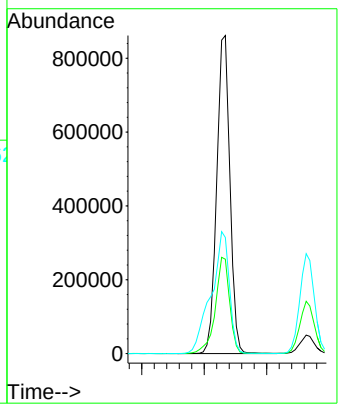
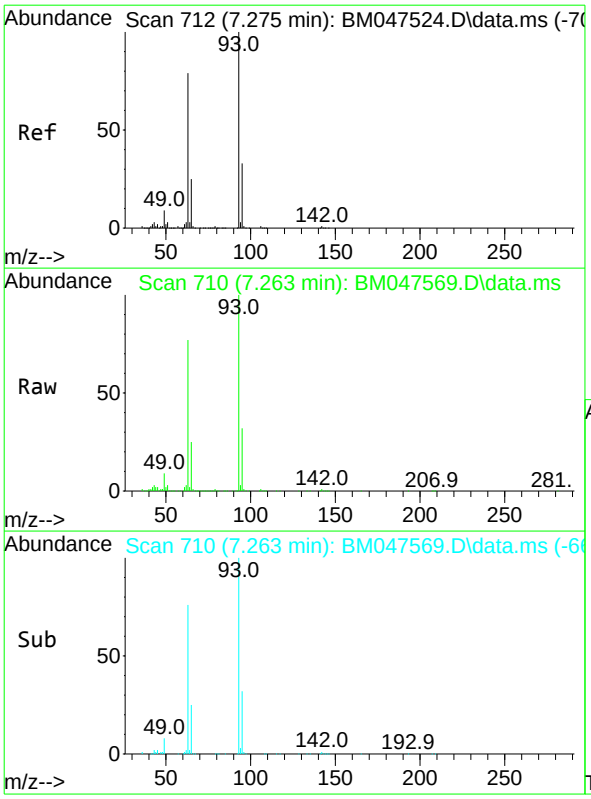


#10
Phenol
Concen: 45.581 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 94 Resp: 1262093

Ion	Ratio	Lower	Upper
94	100		
65	29.7	10.8	50.8
66	36.5	19.2	59.2

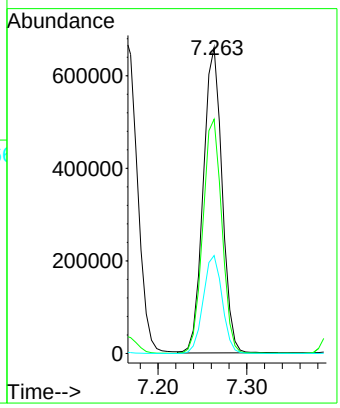




#11
bis(2-Chloroethyl)ether
Concen: 43.696 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 93 Resp: 971343

Ion	Ratio	Lower	Upper
93	100		
63	76.6	58.2	98.2
95	32.0	12.8	52.8



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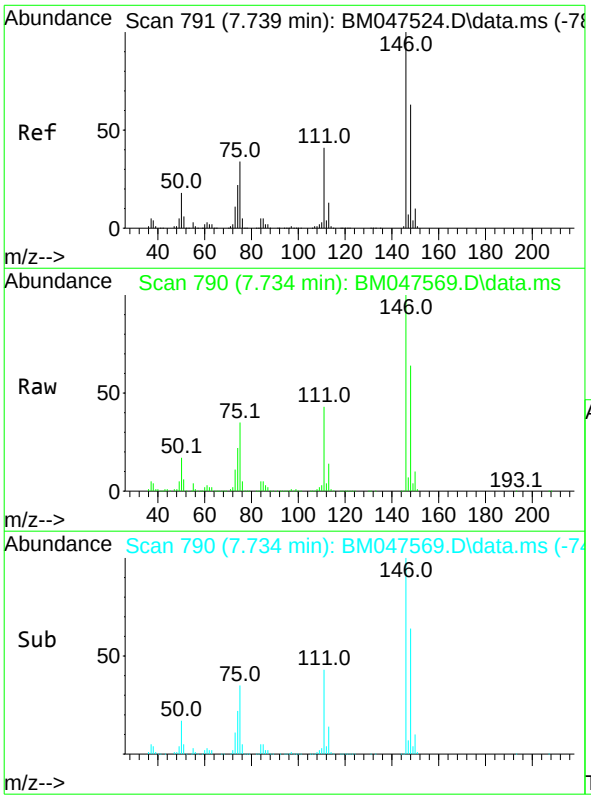
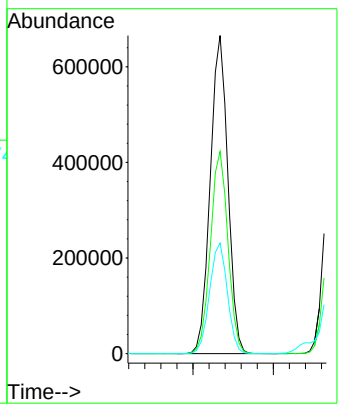
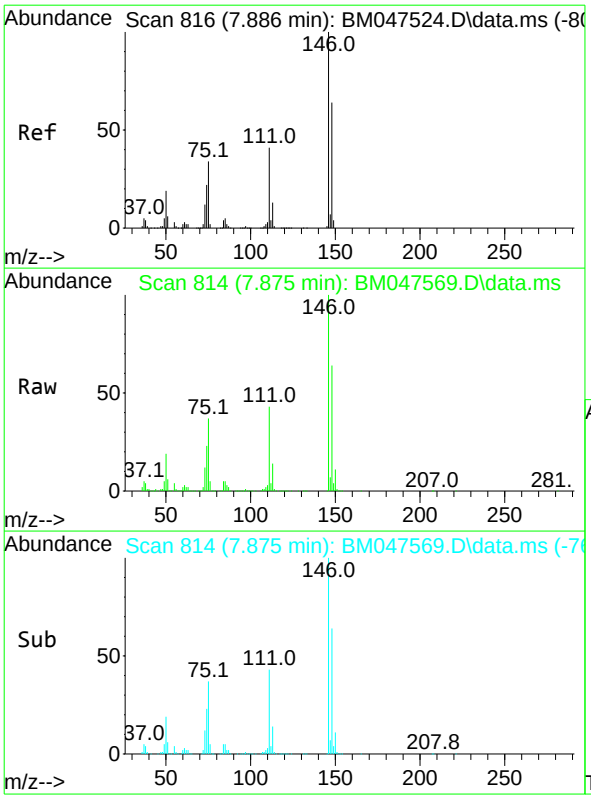


#12
1,3-Dichlorobenzene
Concen: 42.717 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:146 Resp: 1012115

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.2	75.4
75	34.8	27.4	41.0

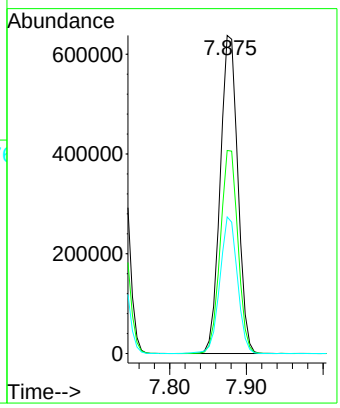




#13
1,4-Dichlorobenzene
Concen: 42.141 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:146 Resp: 1016987

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
111	42.9	32.9	49.3



Instrument :
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ClientSampleId :
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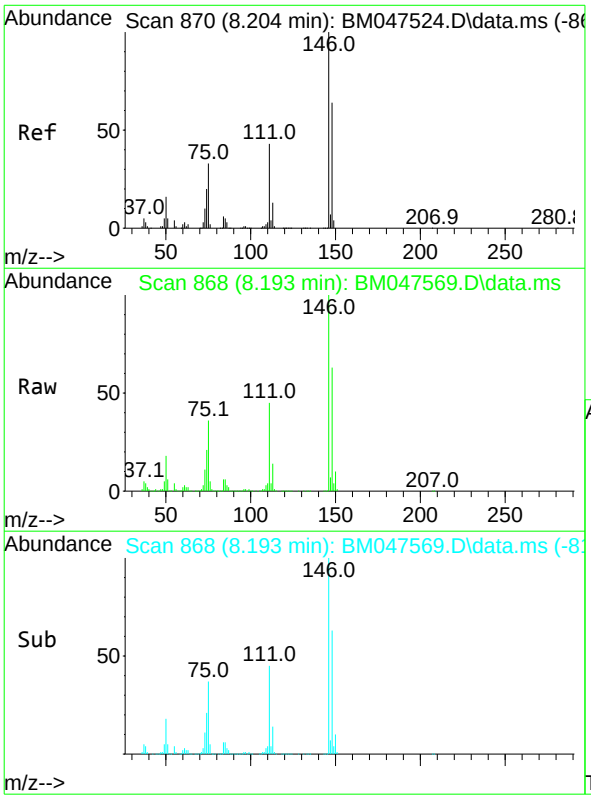
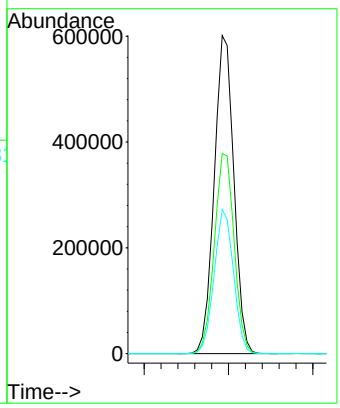
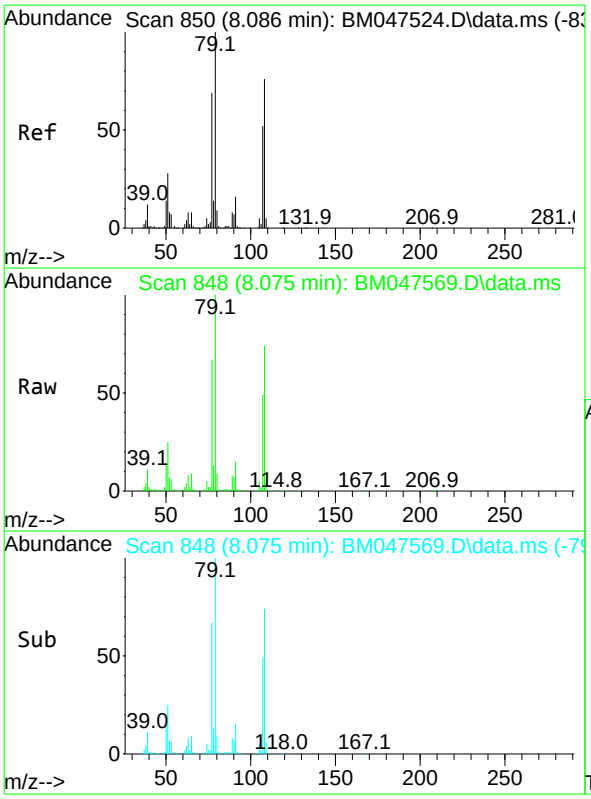


#14
1,2-Dichlorobenzene
Concen: 40.924 ng
RT: 8.193 min Scan# 868
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:146 Resp: 971941

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.1	76.7
111	45.3	34.7	52.1

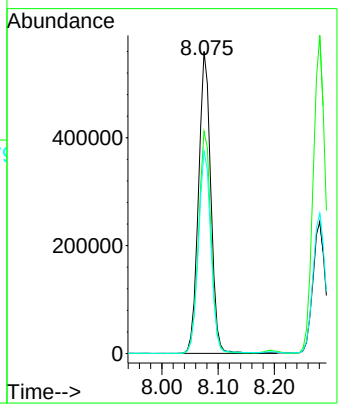




#15
Benzyl Alcohol
Concen: 45.431 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 79 Resp: 850986

Ion	Ratio	Lower	Upper
79	100		
108	73.5	60.6	91.0
77	67.0	55.0	82.4



Instrument :
BNA_M
ClientSampleId :
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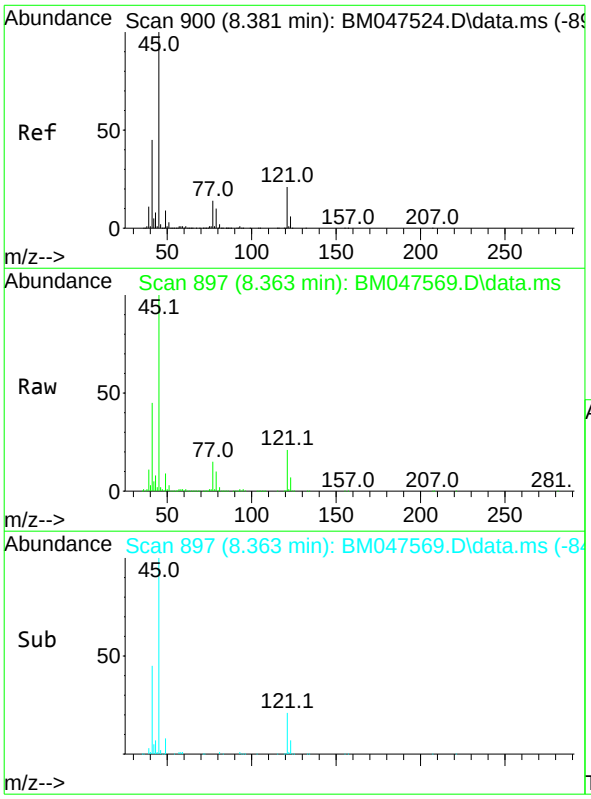
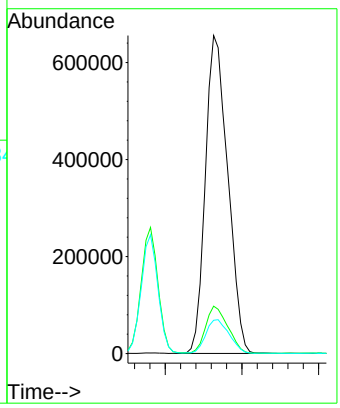
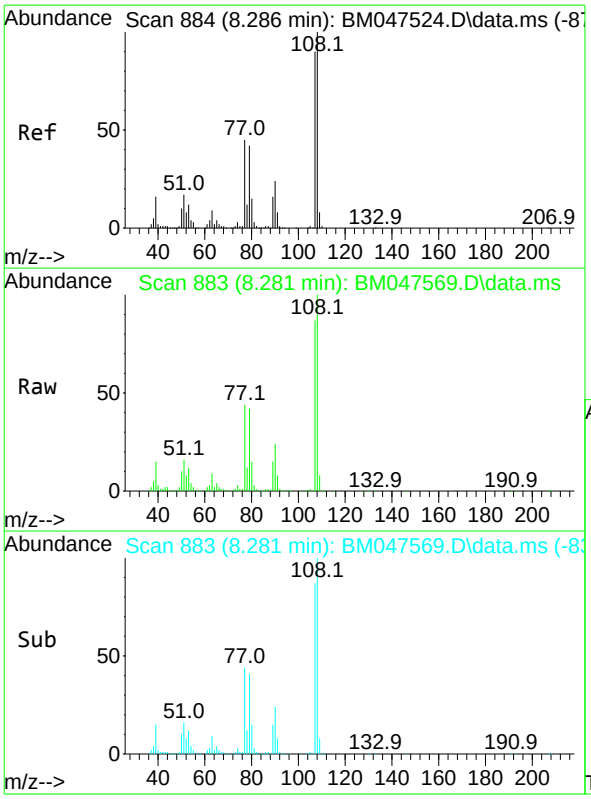


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.505 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 45 Resp: 1329121

Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	33.7
79	10.5	0.0	30.3

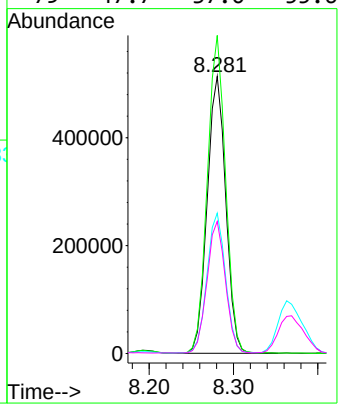




#17
2-Methylphenol
Concen: 44.429 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:107 Resp: 785893

Ion	Ratio	Lower	Upper
107	100		
108	114.8	88.9	133.3
77	50.6	39.8	59.8
79	47.7	37.0	55.6



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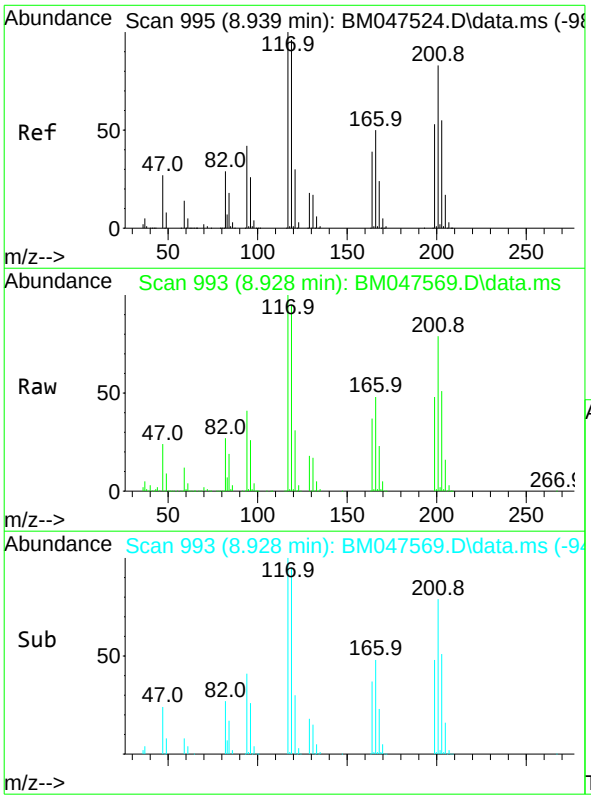
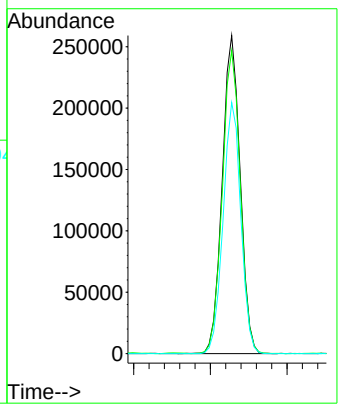
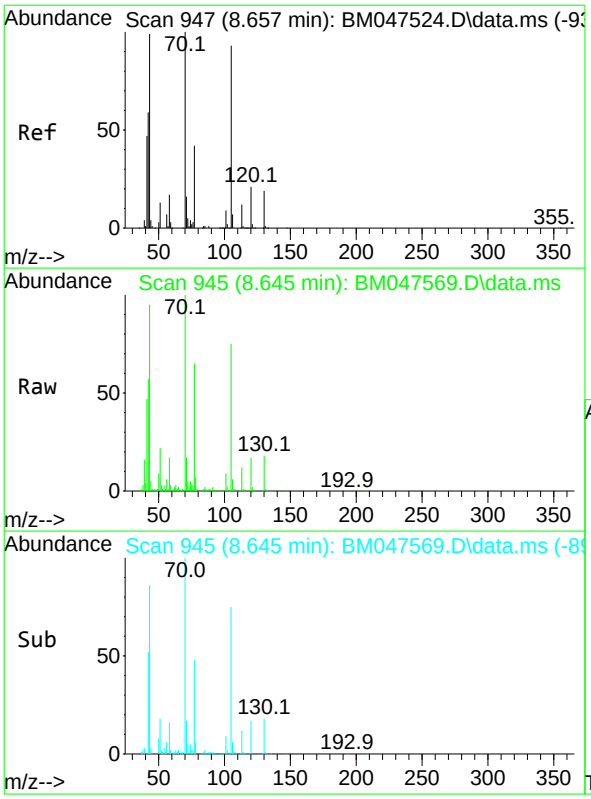


#18
Hexachloroethane
Concen: 43.614 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:117 Resp: 420465

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.0	115.4
201	78.9	66.8	100.2

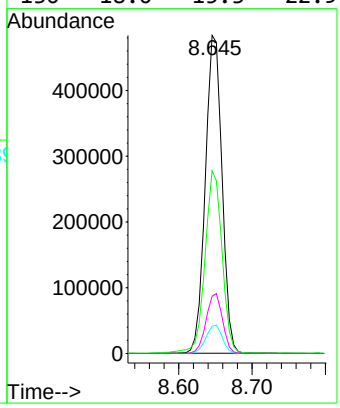




#19
n-Nitroso-di-n-propylamine
Concen: 40.979 ng
RT: 8.645 min Scan# 94
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 70 Resp: 764052

Ion	Ratio	Lower	Upper
70	100		
42	57.4	48.2	72.2
101	8.6	7.0	10.4
130	18.0	15.3	22.9



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ClientSampleId :
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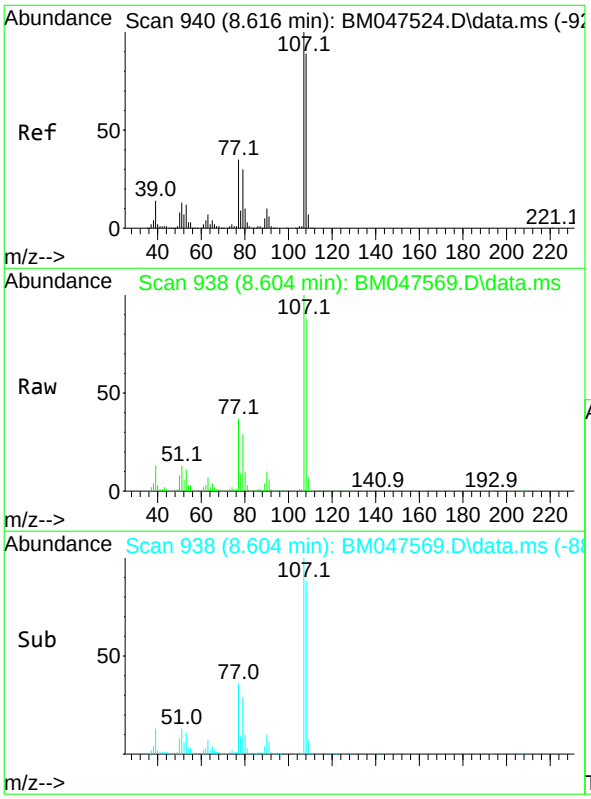
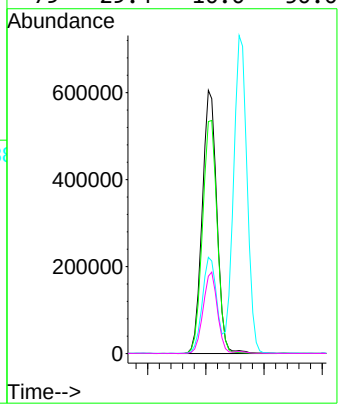
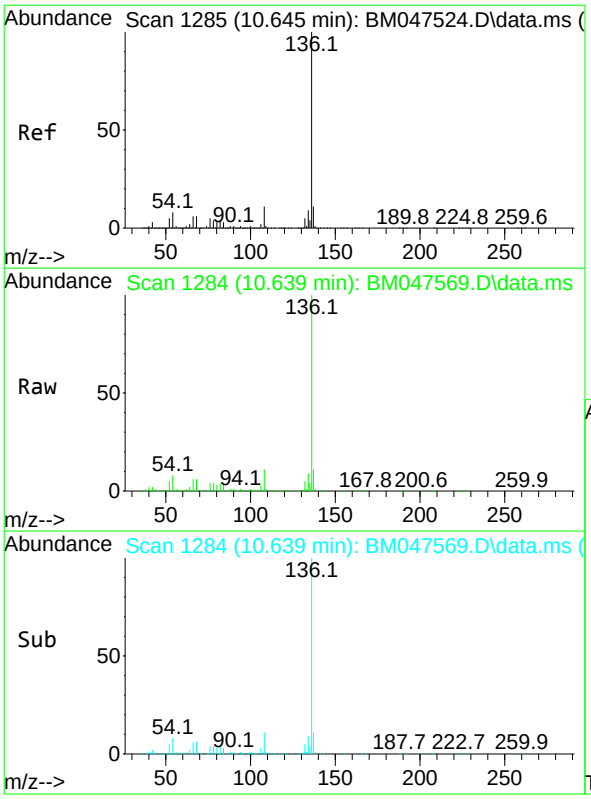


#20
3+4-Methylphenols
Concen: 42.861 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:107 Resp: 1057865

Ion	Ratio	Lower	Upper
107	100		
108	88.1	68.9	108.9
77	36.6	15.5	55.5
79	29.4	10.0	50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 12
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Tgt Ion:136 Resp: 1211917

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.0	6.6	9.8
68	6.3	4.9	7.3

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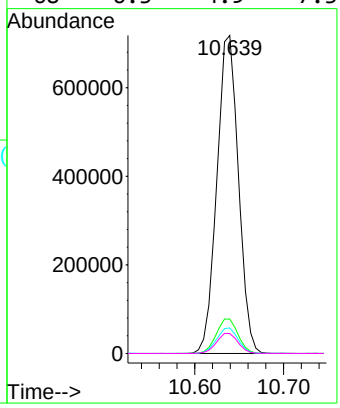
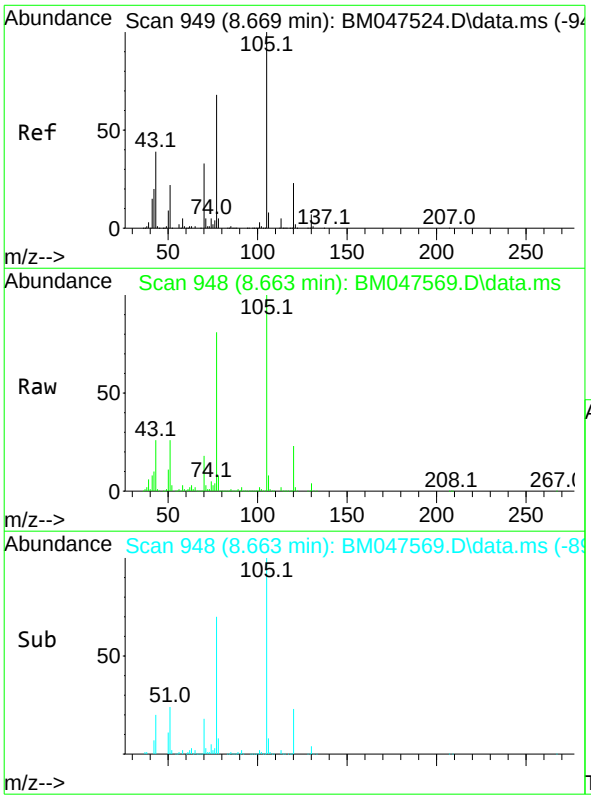
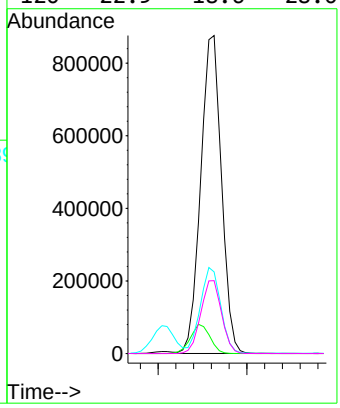


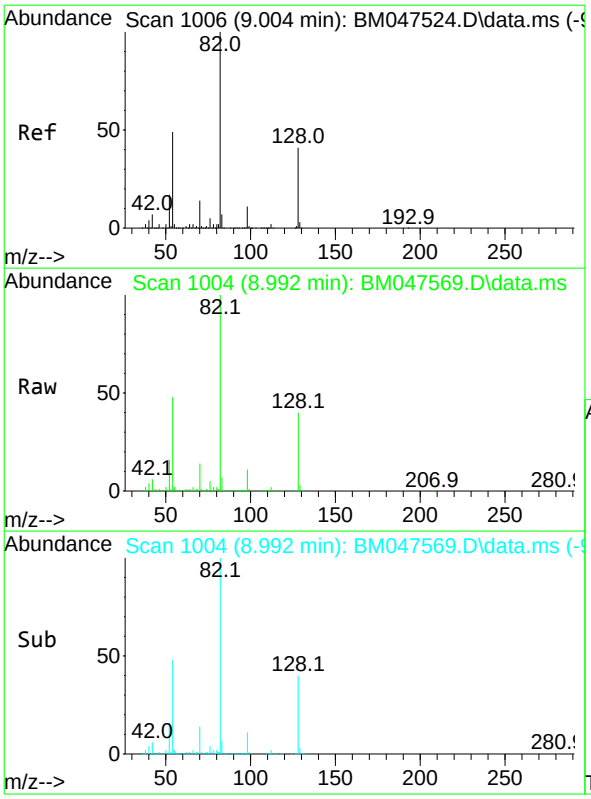


#22
Acetophenone
Concen: 44.633 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:105 Resp: 1422087

Ion	Ratio	Lower	Upper
105	100		
71	2.9	4.3	6.5#
51	25.7	21.5	32.3
120	22.9	18.6	28.0

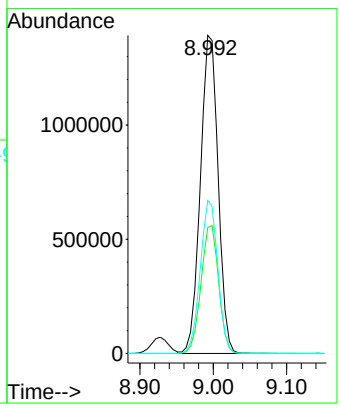




#23
Nitrobenzene-d5
Concen: 96.452 ng
RT: 8.992 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 82 Resp: 2335679

Ion	Ratio	Lower	Upper
82	100		
128	39.7	33.0	49.4
54	48.1	39.3	58.9



Instrument :
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ClientSampleId :
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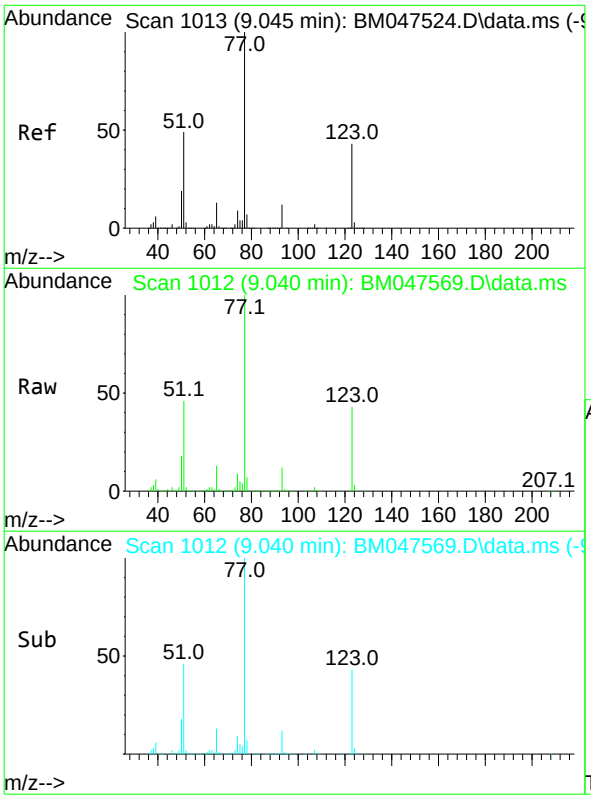
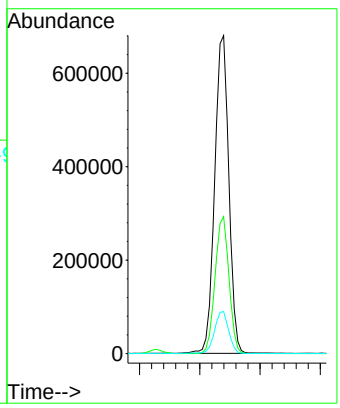
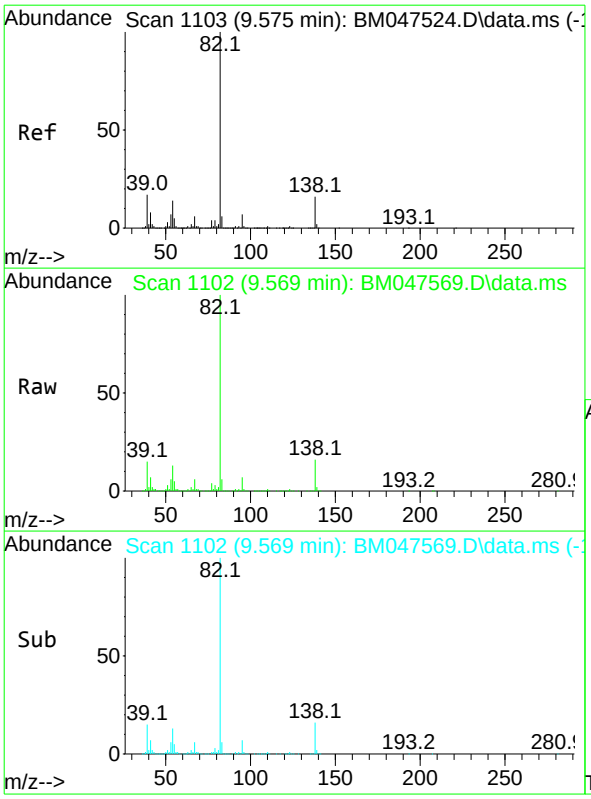


#24
Nitrobenzene
Concen: 44.540 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 77 Resp: 1108309

Ion	Ratio	Lower	Upper
77	100		
123	43.0	34.5	51.7
65	13.2	10.7	16.1

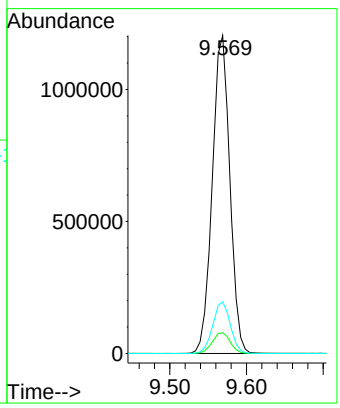




#25
Isophorone
Concen: 44.955 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 82 Resp: 1913866

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.4	8.0
138	16.3	12.9	19.3



Instrument :
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ClientSampleId :
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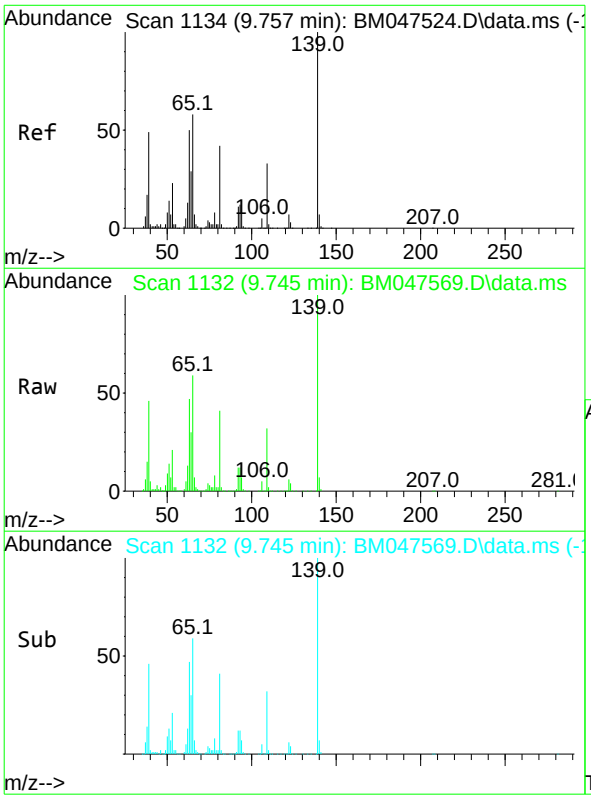
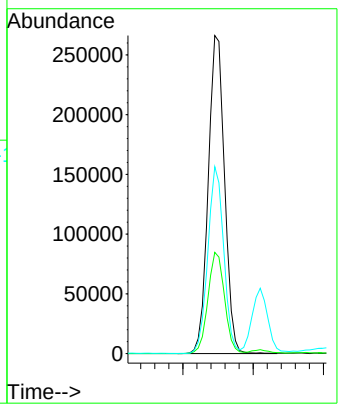
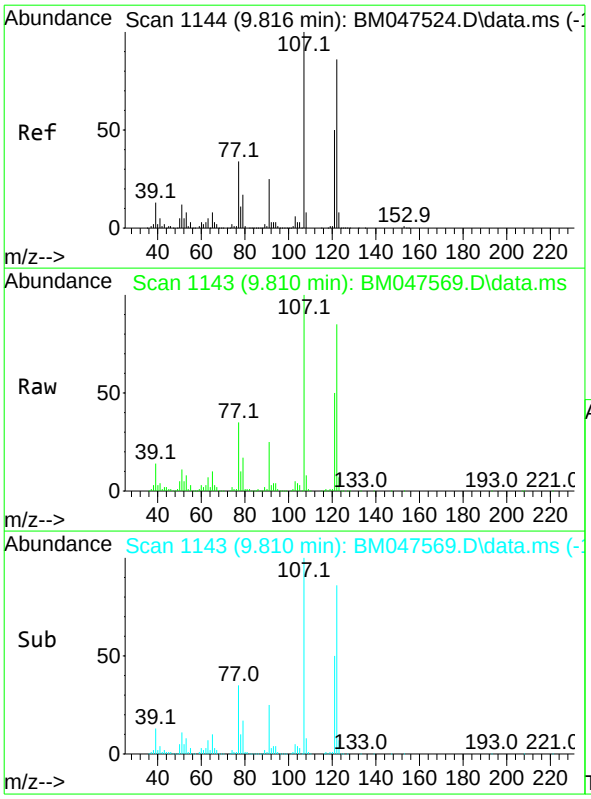


#26
2-Nitrophenol
Concen: 50.635 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:139 Resp: 429354

Ion	Ratio	Lower	Upper
139	100		
109	31.8	26.0	39.0
65	58.8	46.2	69.4

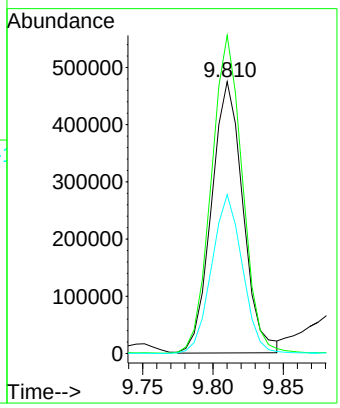




#27
2,4-Dimethylphenol
Concen: 57.544 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:122 Resp: 739664

Ion	Ratio	Lower	Upper
122	100		
107	117.0	92.4	138.6
121	58.4	46.2	69.4



Instrument :
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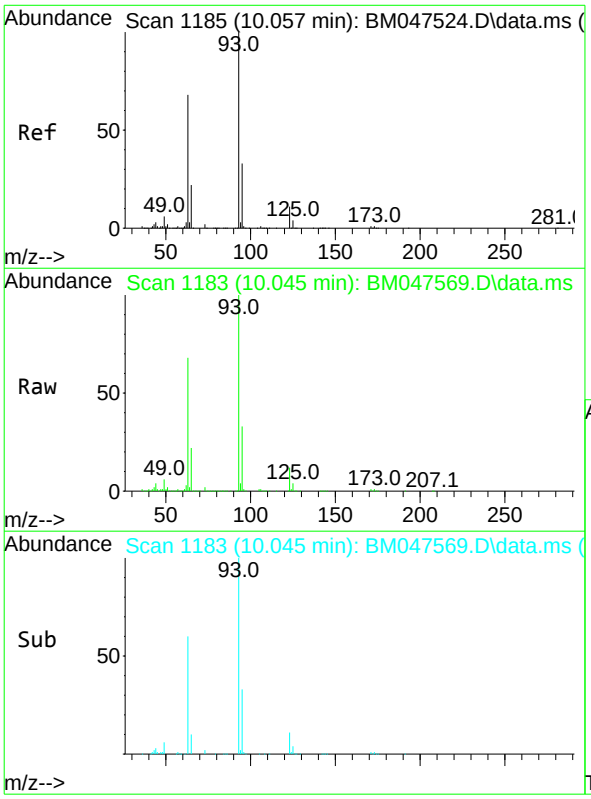
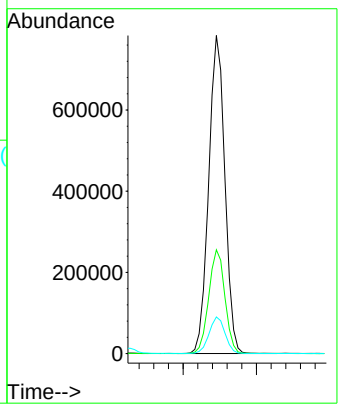
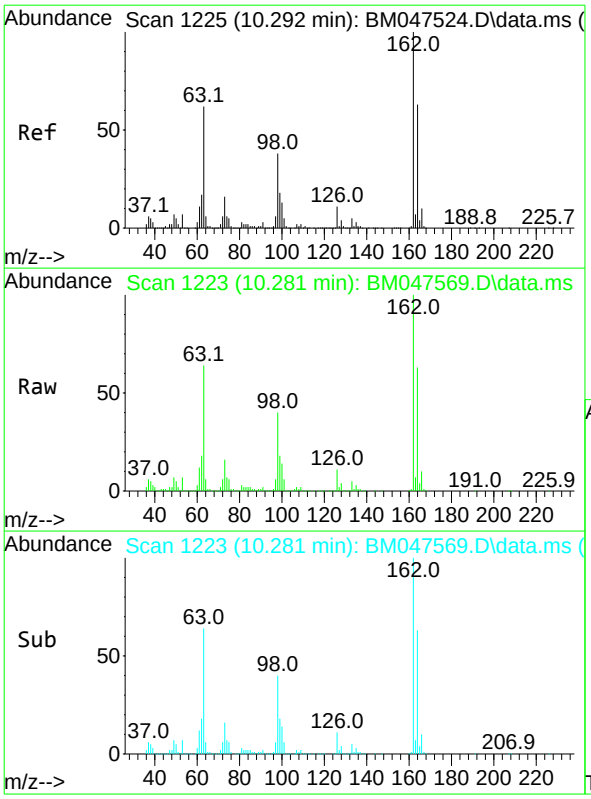


#28
bis(2-Chloroethoxy)methane
Concen: 44.775 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 93 Resp: 1197364

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	11.5	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 46.880 ng
RT: 10.281 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:162 Resp: 765581

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.5	83.5
98	40.1	17.6	57.6

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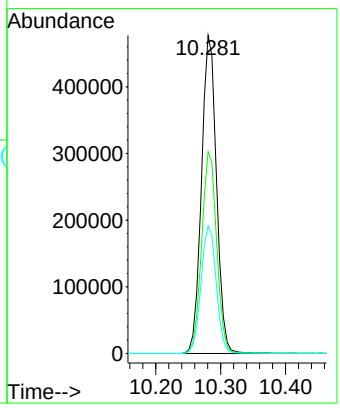
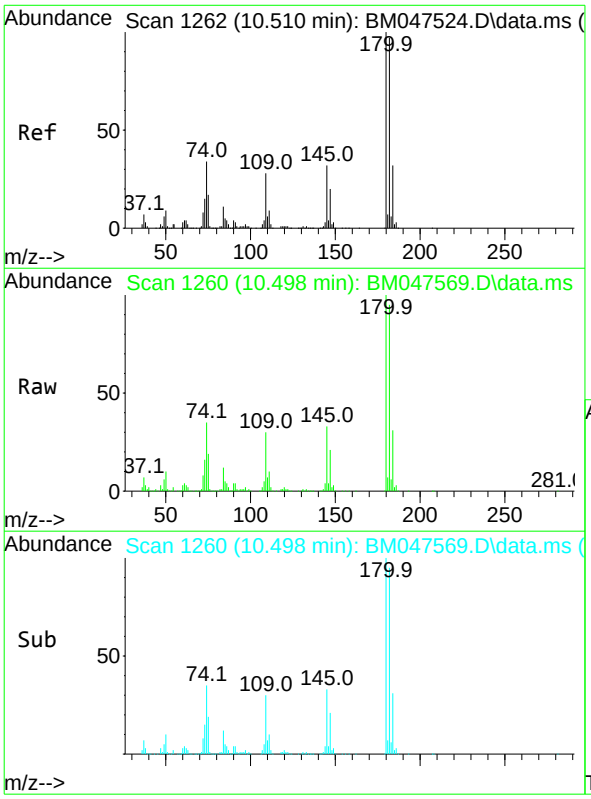
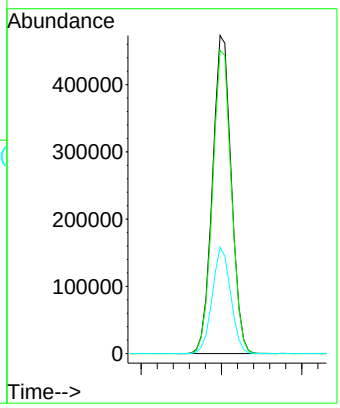


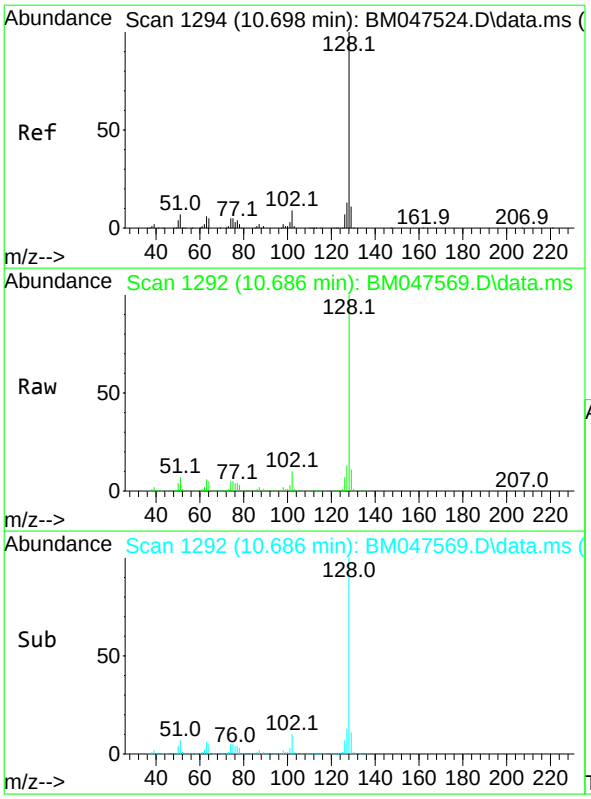


#30
1,2,4-Trichlorobenzene
Concen: 41.180 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:180 Resp: 770321

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.6	116.4
145	33.4	25.4	38.0

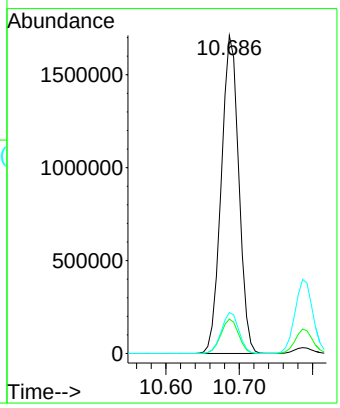




#31
Naphthalene
Concen: 43.348 ng
RT: 10.686 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:128 Resp: 2837269

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.5	15.7



Instrument :
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ClientSampleId :
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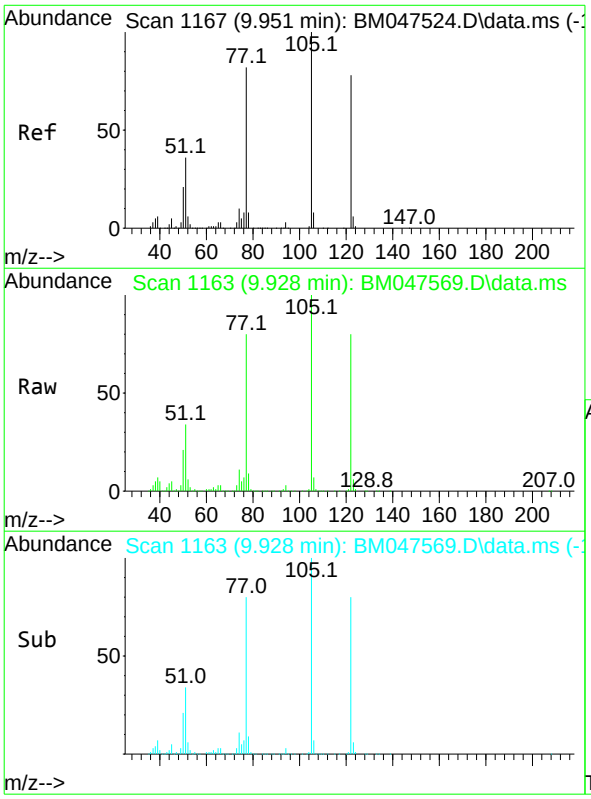
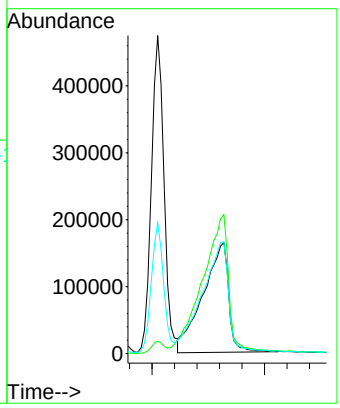
Supervised By :mohammad ahmed 09/22/2024

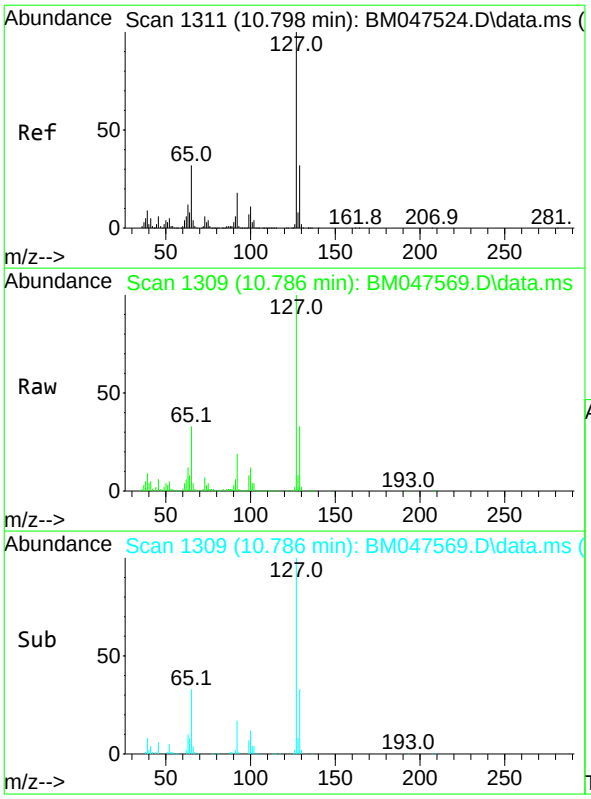


#32
Benzoic acid
Concen: 41.966 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:122 Resp: 519346

Ion	Ratio	Lower	Upper
122	100		
105	125.2	104.7	144.7
77	100.5	83.4	123.4

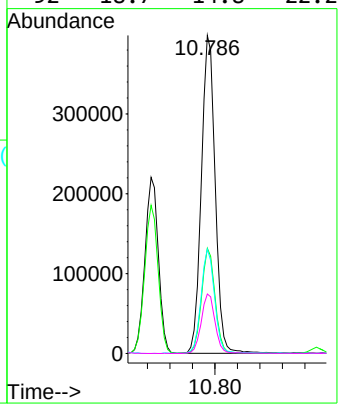




#33
4-Chloroaniline
Concen: 28.759 ng
RT: 10.786 min Scan# 13
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:127 Resp: 680573

Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.4	38.0
65	32.8	25.5	38.3
92	18.7	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
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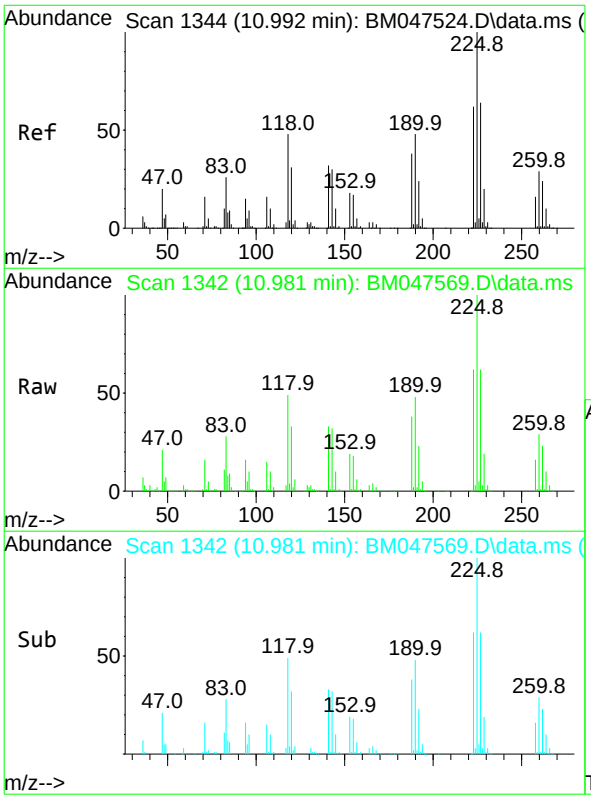
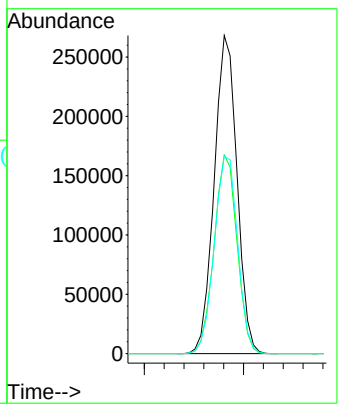
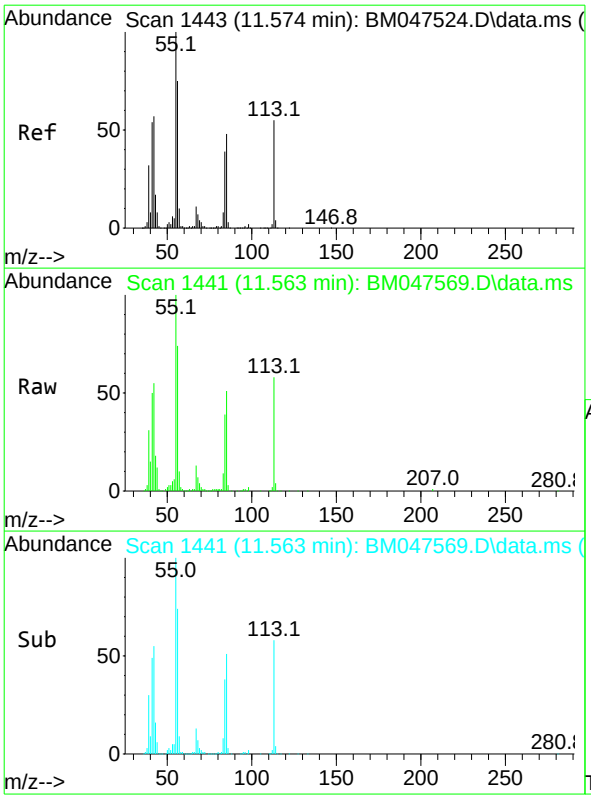


#34
Hexachlorobutadiene
Concen: 41.259 ng
RT: 10.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:225 Resp: 427487

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.6
227	62.1	51.0	76.4

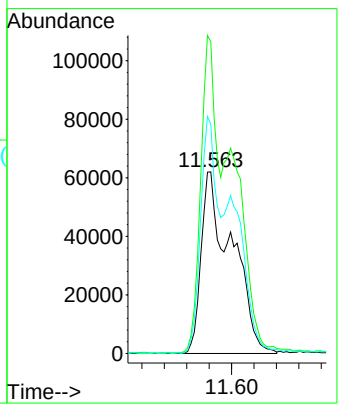




#35
Caprolactam
Concen: 43.792 ng m
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:113 Resp: 235553

Ion	Ratio	Lower	Upper
113	100		
55	171.6	162.5	202.5
56	126.1	116.5	156.5



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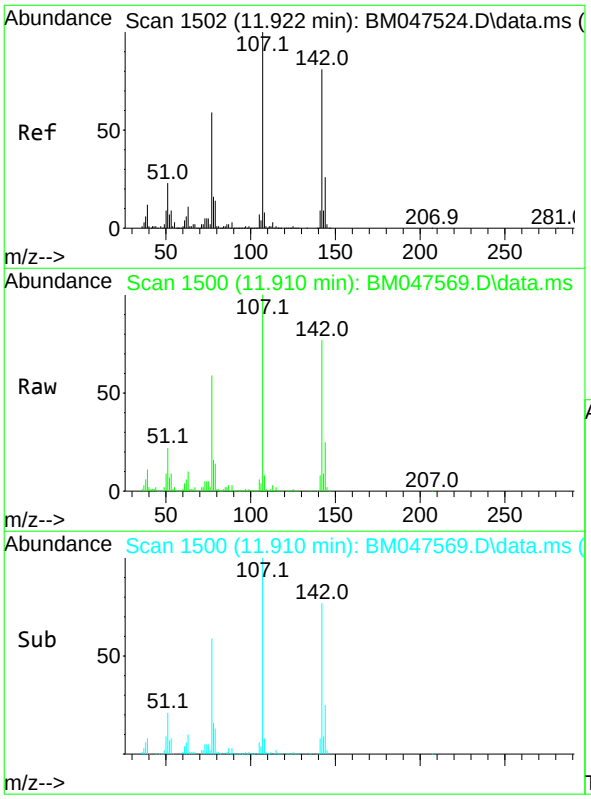
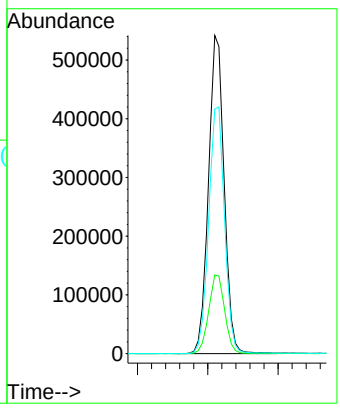
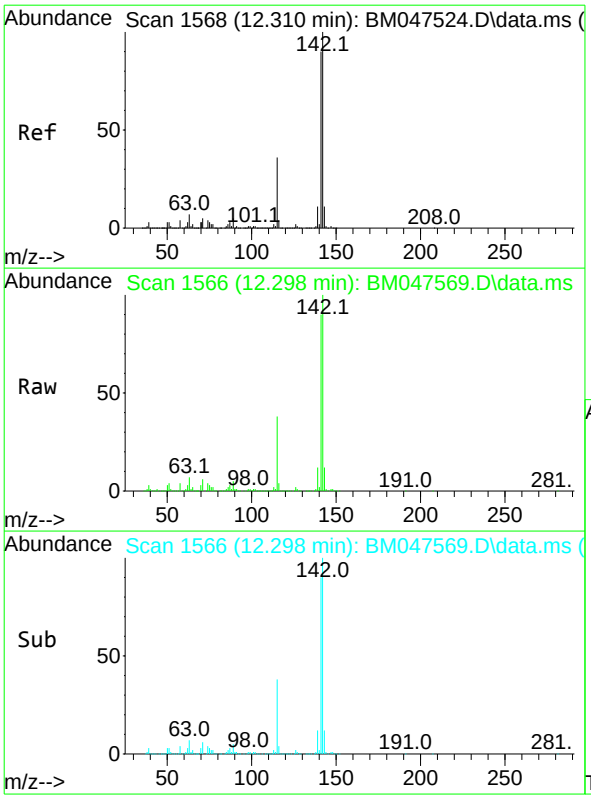


#36
4-Chloro-3-methylphenol
Concen: 44.762 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:107 Resp: 837721

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.5	30.7
142	76.9	65.0	97.4

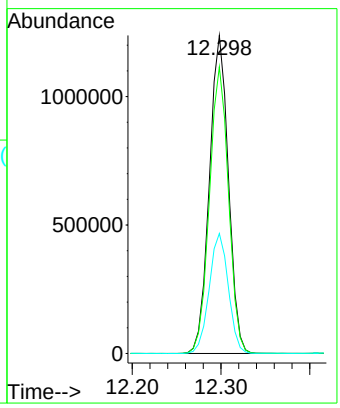




#37
2-Methylnaphthalene
Concen: 42.299 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:142 Resp: 1842679

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.4
115	37.7	29.1	43.7



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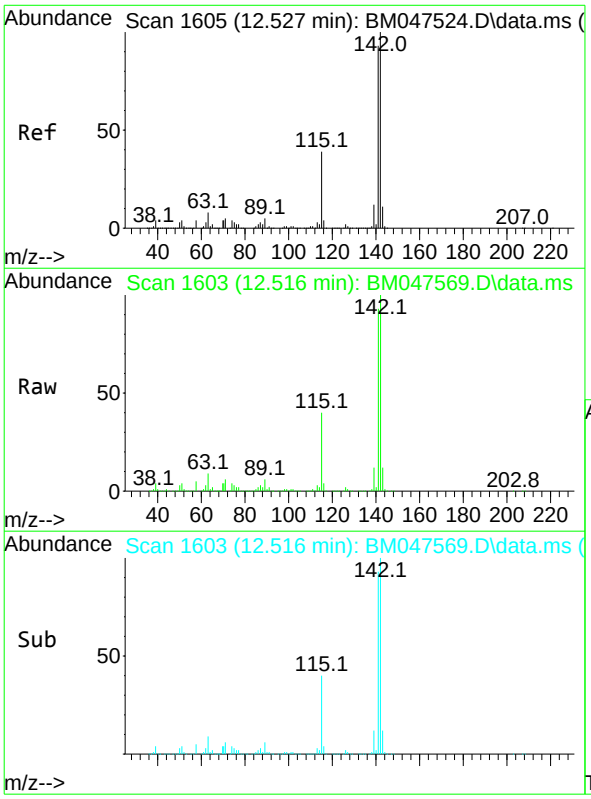
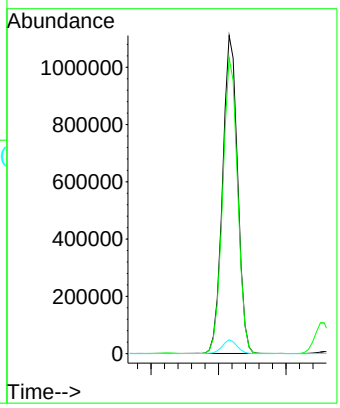
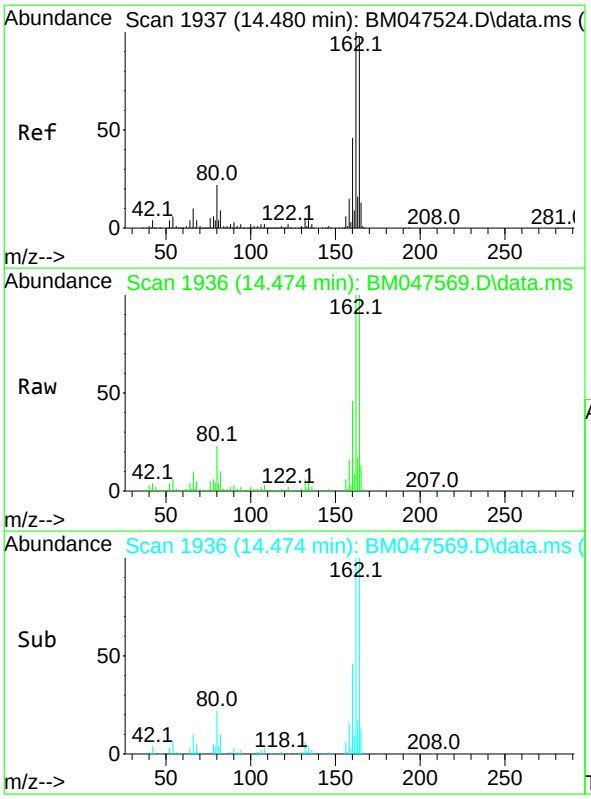


#38
1-Methylnaphthalene
Concen: 39.536 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:142 Resp: 1711593

Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.7	112.1
116	4.4	3.2	4.8

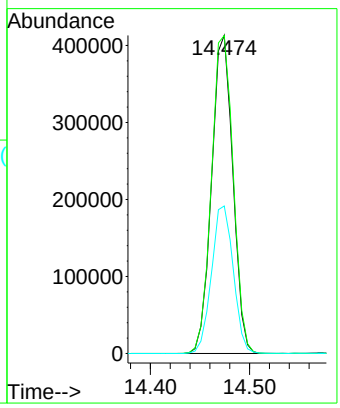




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:164 Resp: 613404

Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.2	123.2
160	46.4	38.2	57.2



Instrument :
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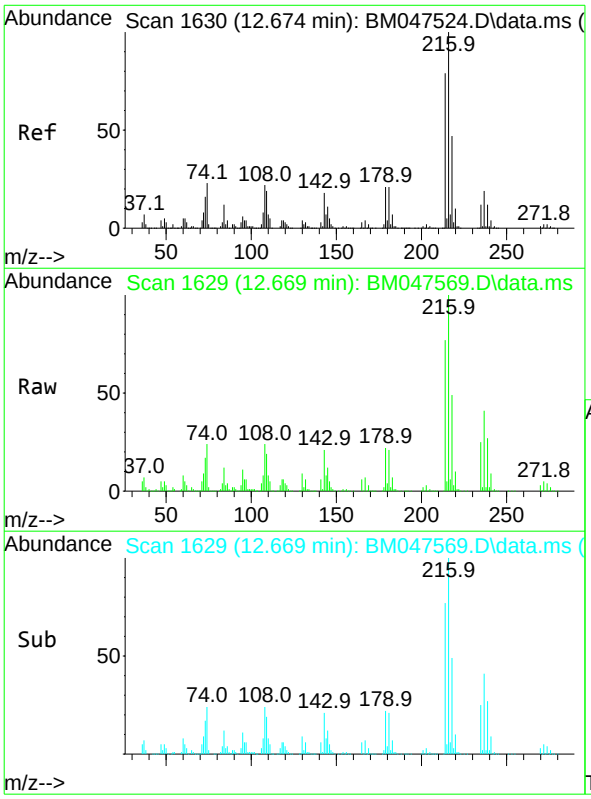
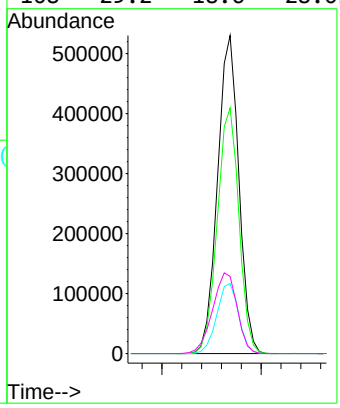
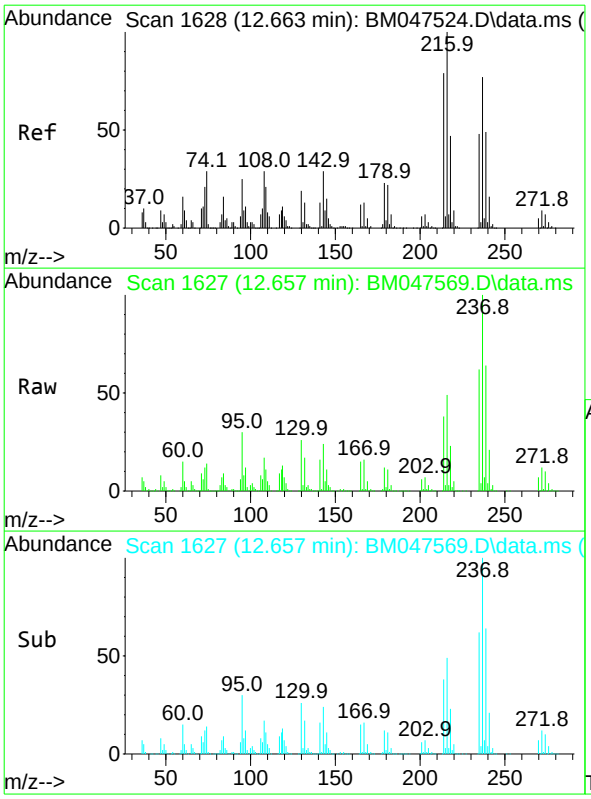


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.701 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:216 Resp: 791753

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.6
179	22.6	17.5	26.3
108	29.2	18.6	28.0#

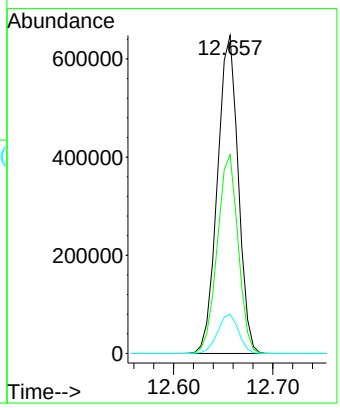




#41
Hexachlorocyclopentadiene
Concen: 173.794 ng
RT: 12.657 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:237 Resp: 943035

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.0	82.0
272	12.4	0.0	31.5



Instrument :
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ClientSampleId :
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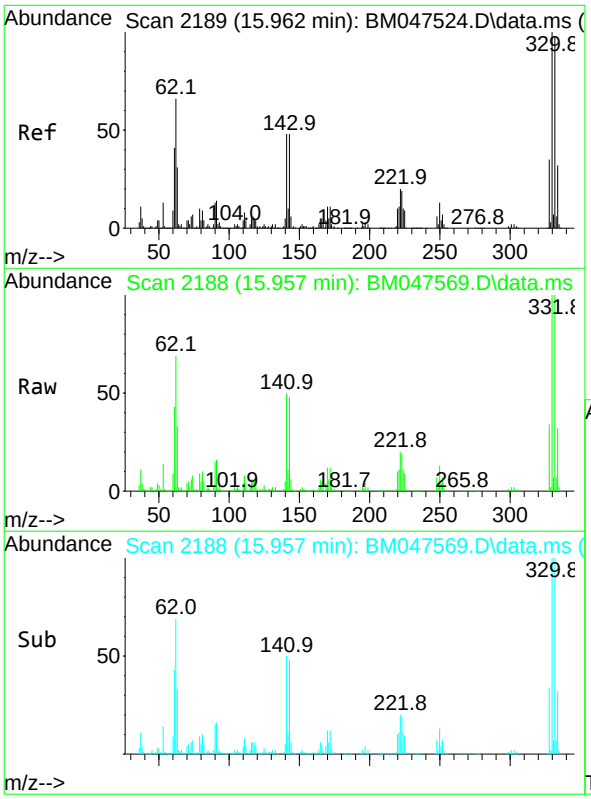
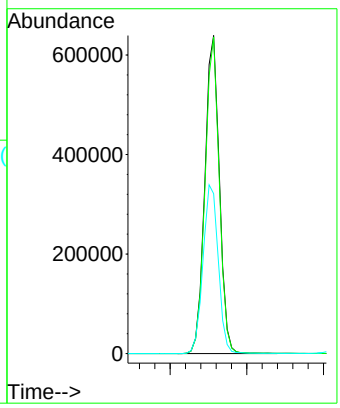
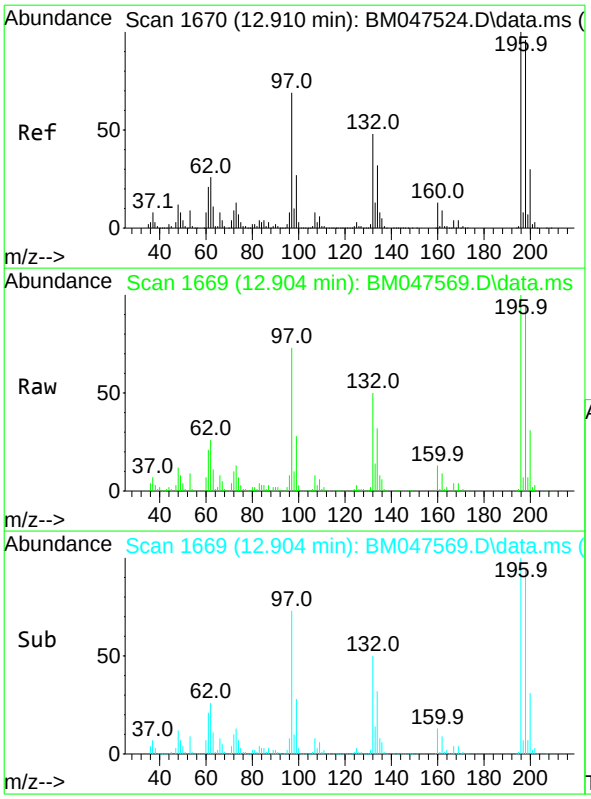


#42
2,4,6-Tribromophenol
Concen: 142.050 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:330 Resp: 842227

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	55.7	42.2	63.2

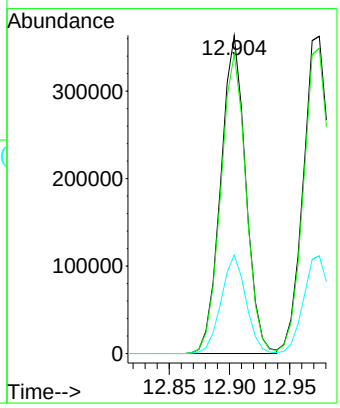




#43
2,4,6-Trichlorophenol
Concen: 50.441 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:196 Resp: 524521

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.9	115.3
200	31.0	24.3	36.5



Instrument :
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ClientSampleId :
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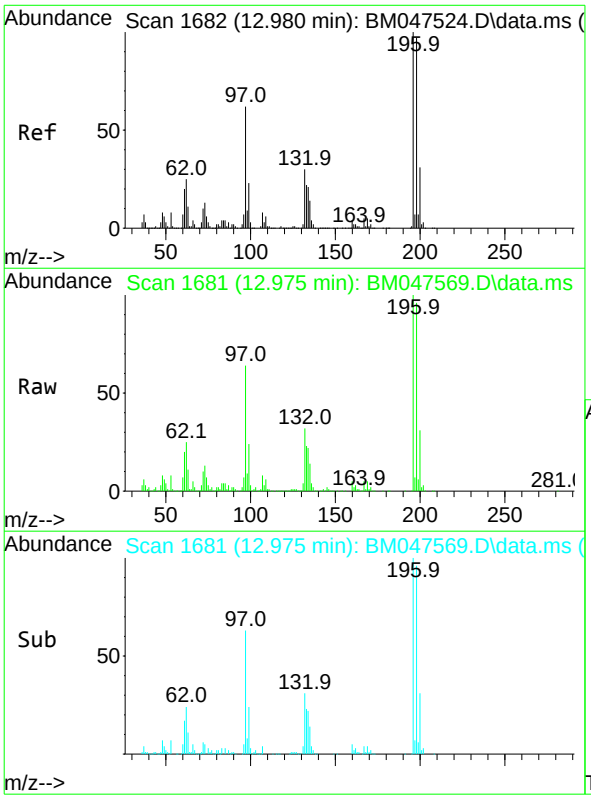
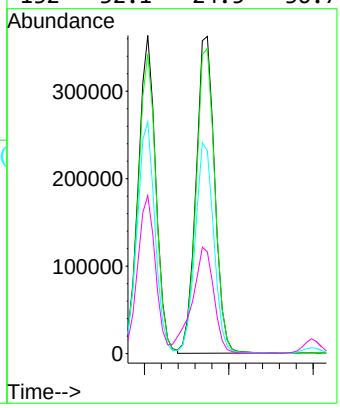
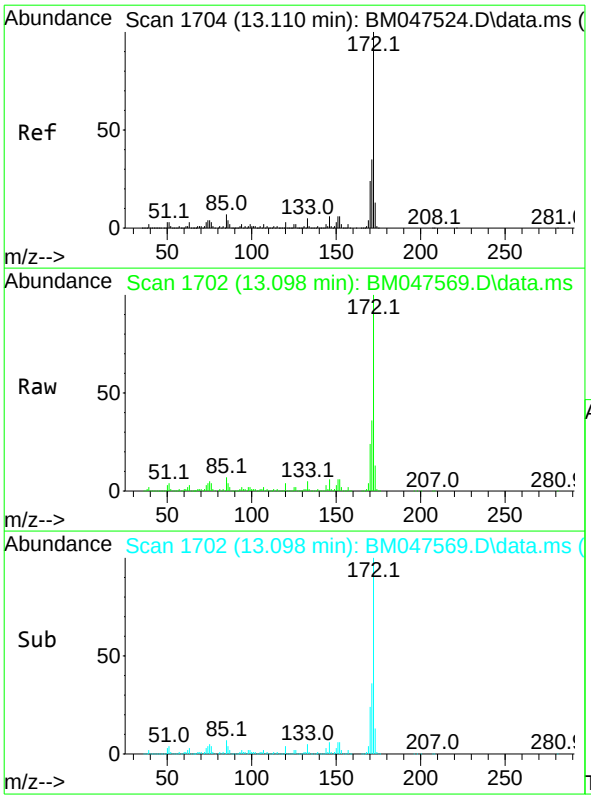


#44
2,4,5-Trichlorophenol
Concen: 47.566 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:196 Resp: 558681

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.4	116.2
97	64.0	49.8	74.8
132	32.1	24.5	36.7

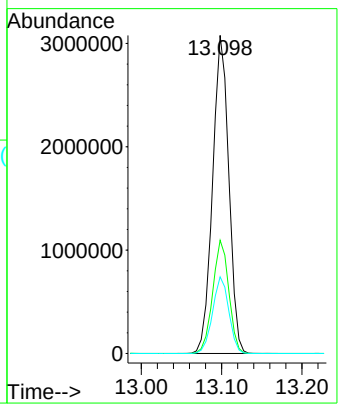




#45
2-Fluorobiphenyl
Concen: 96.918 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:172 Resp: 4315694

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	24.1	19.4	29.0



Instrument :
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ClientSampleId :
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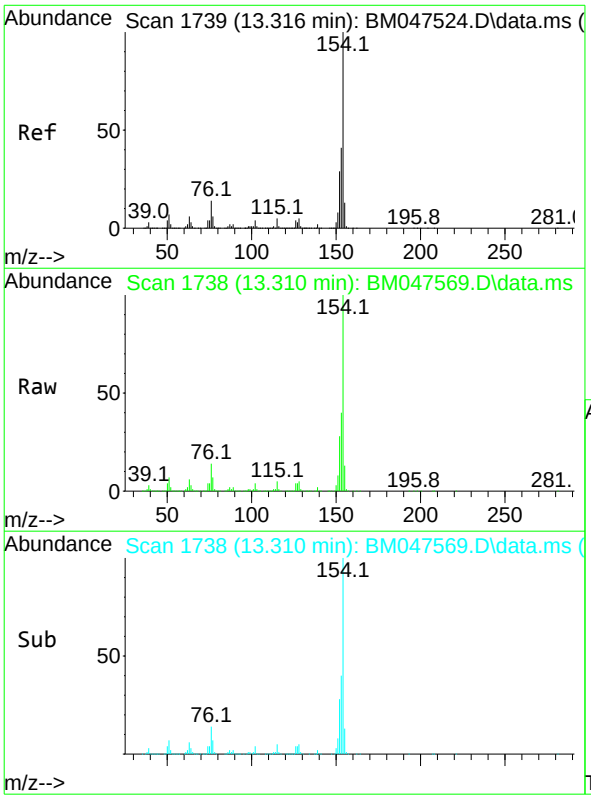
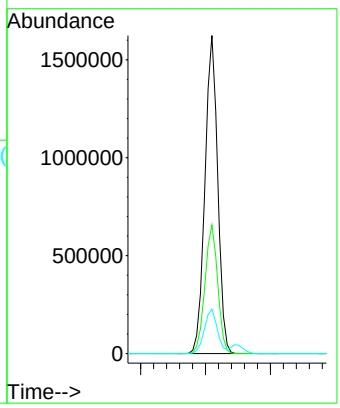
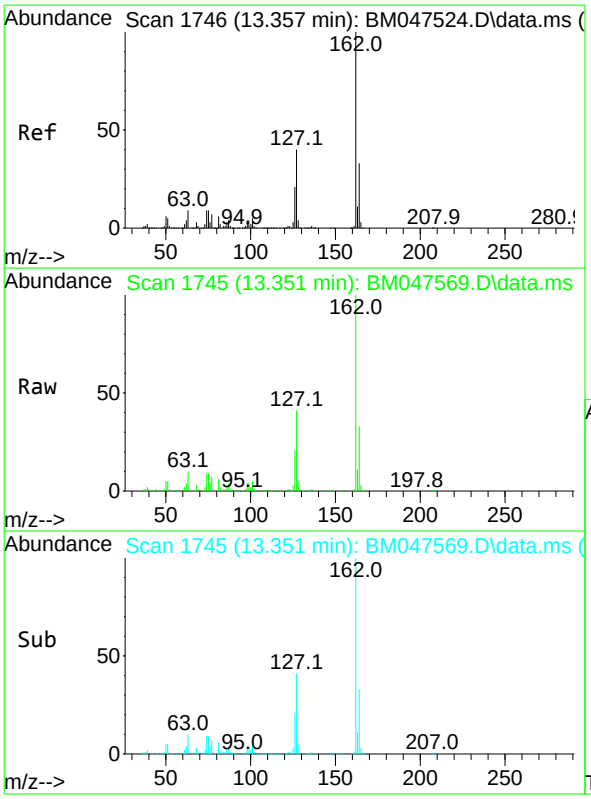


#46
1,1'-Biphenyl
Concen: 46.347 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:154 Resp: 2211954

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.6	60.6
76	14.0	0.0	33.9

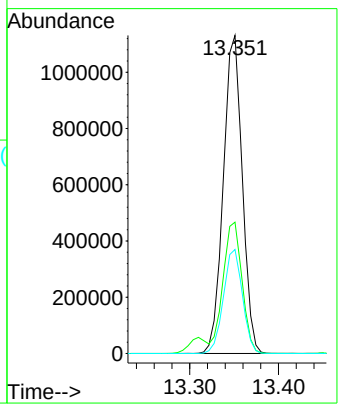




#47
2-Chloronaphthalene
Concen: 45.236 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:162 Resp: 1676373

Ion	Ratio	Lower	Upper
162	100		
127	41.3	32.2	48.4
164	32.7	26.3	39.5



Instrument :
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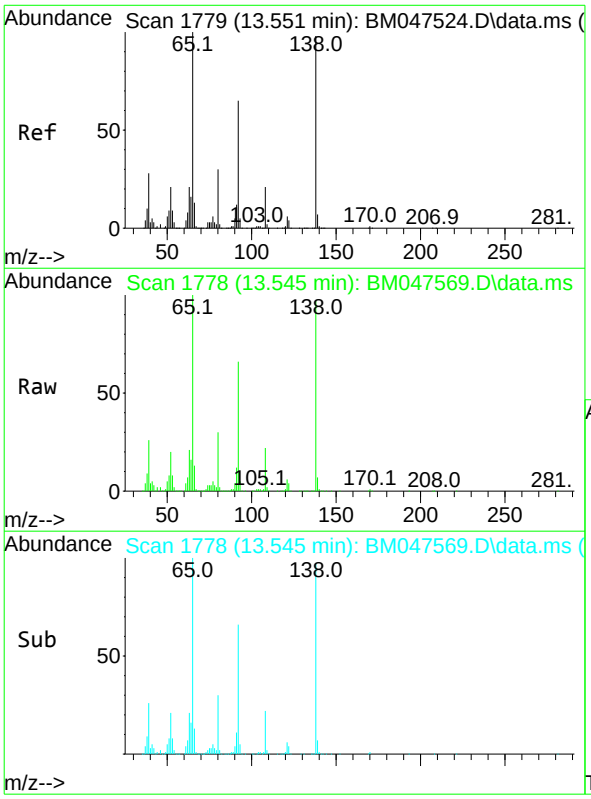
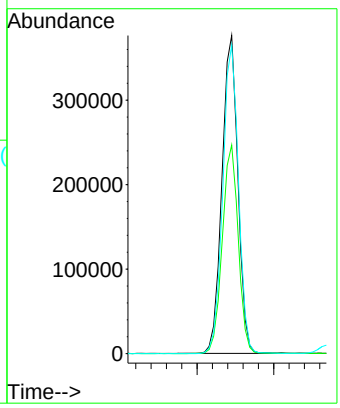
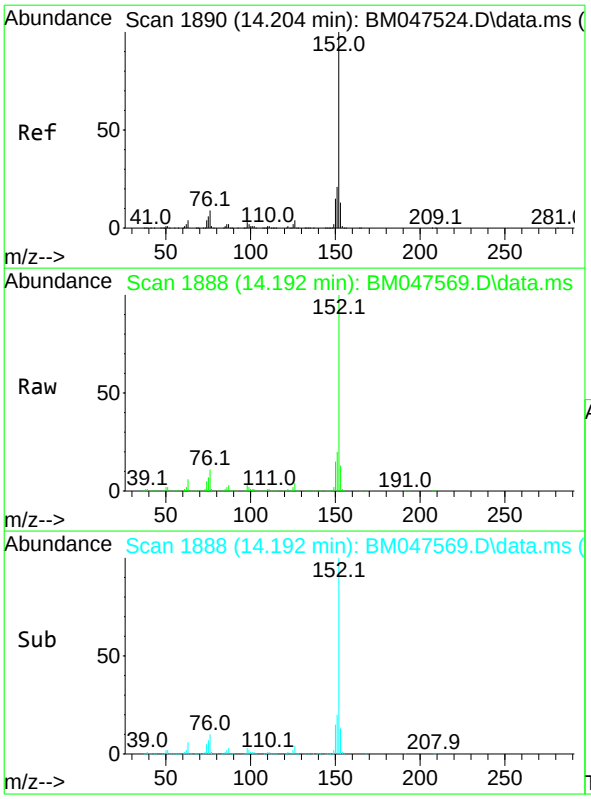


#48
2-Nitroaniline
Concen: 49.780 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 65 Resp: 541845

Ion	Ratio	Lower	Upper
65	100		
92	65.6	51.9	77.9
138	97.0	78.5	117.7

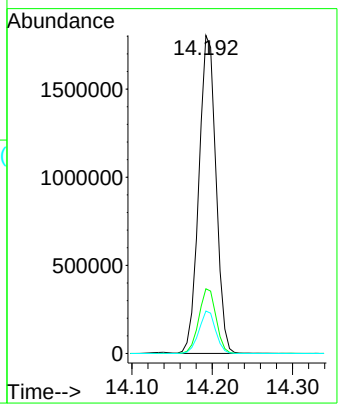




#49
Acenaphthylene
Concen: 49.861 ng
RT: 14.192 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:152 Resp: 2666450

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7
153	13.4	10.4	15.6



Instrument :
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ClientSampleId :
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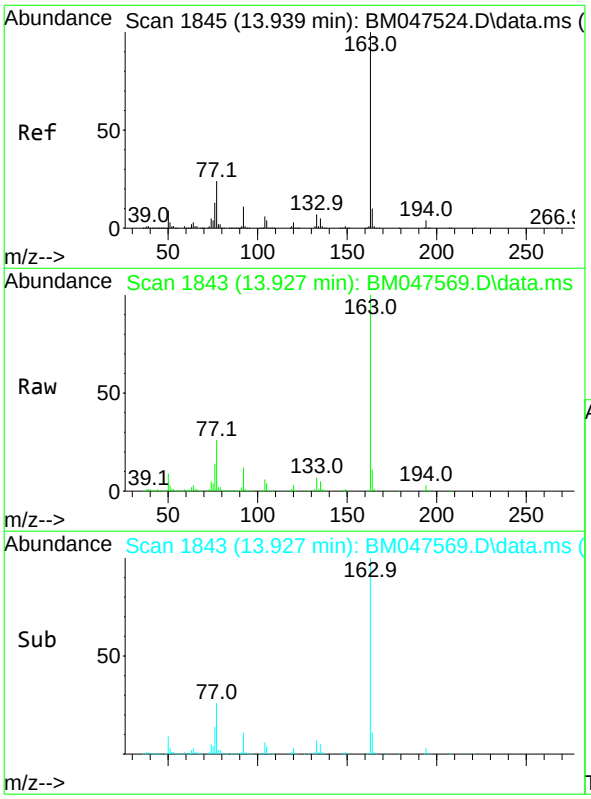
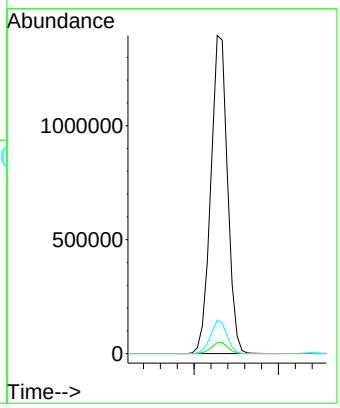
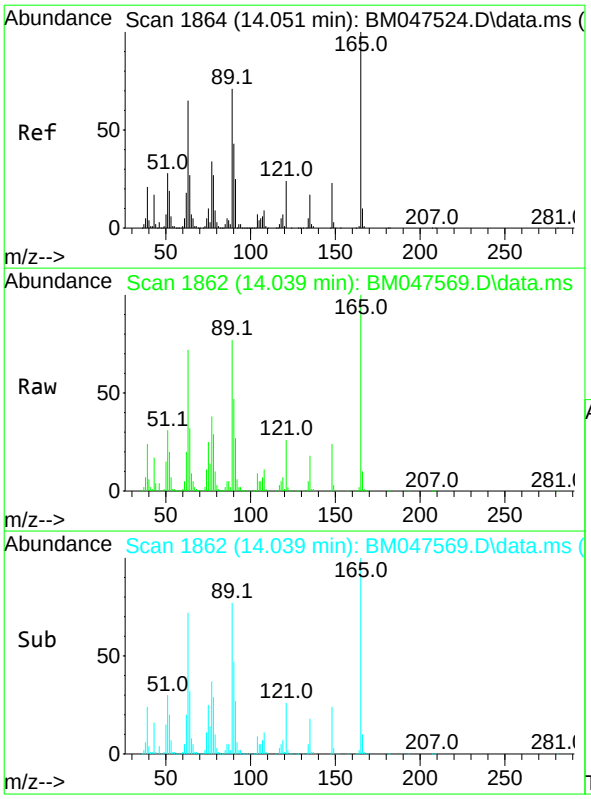


#50
Dimethylphthalate
Concen: 45.889 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:163 Resp: 1918542

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	10.5	7.9	11.9

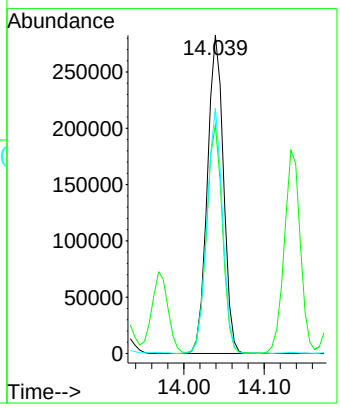




#51
2,6-Dinitrotoluene
Concen: 44.568 ng
RT: 14.039 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:165 Resp: 393353

Ion	Ratio	Lower	Upper
165	100		
63	71.8	54.2	81.2
89	77.1	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
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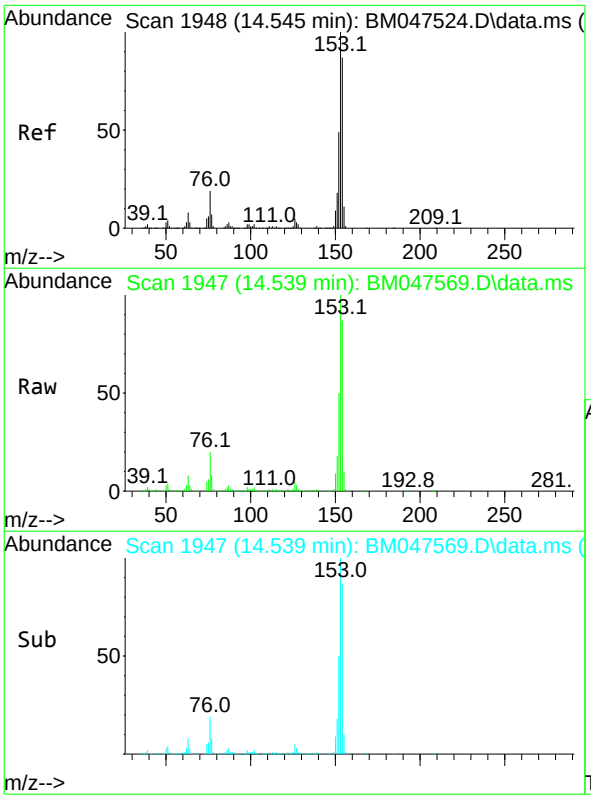
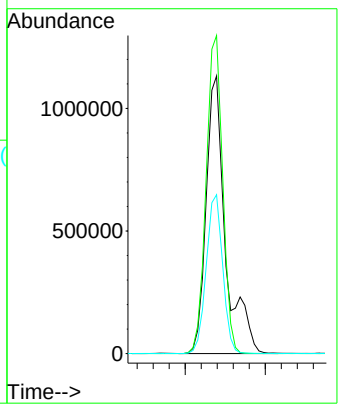
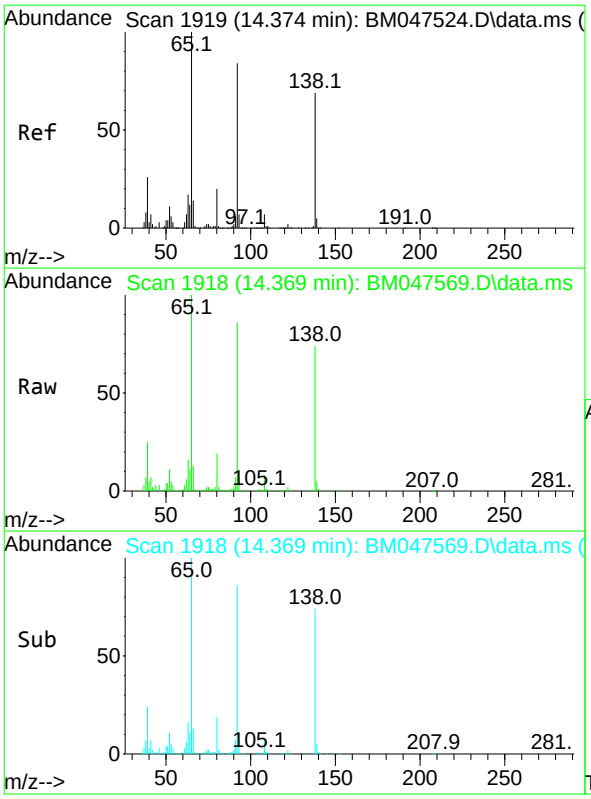


#52
Acenaphthene
Concen: 50.920 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:154 Resp: 1907981

Ion	Ratio	Lower	Upper
154	100		
153	114.6	92.2	138.2
152	57.2	45.4	68.0





#53
3-Nitroaniline
Concen: 36.824 ng
RT: 14.369 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:138 Resp: 361244

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.0	12.0
92	116.4	97.4	146.0

Instrument :
BNA_M
ClientSampleId :
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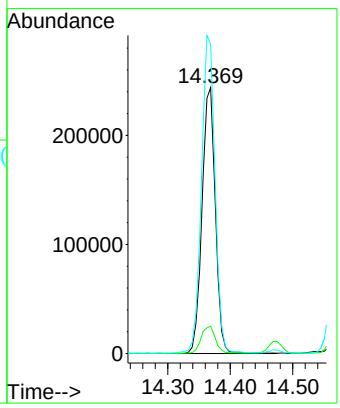
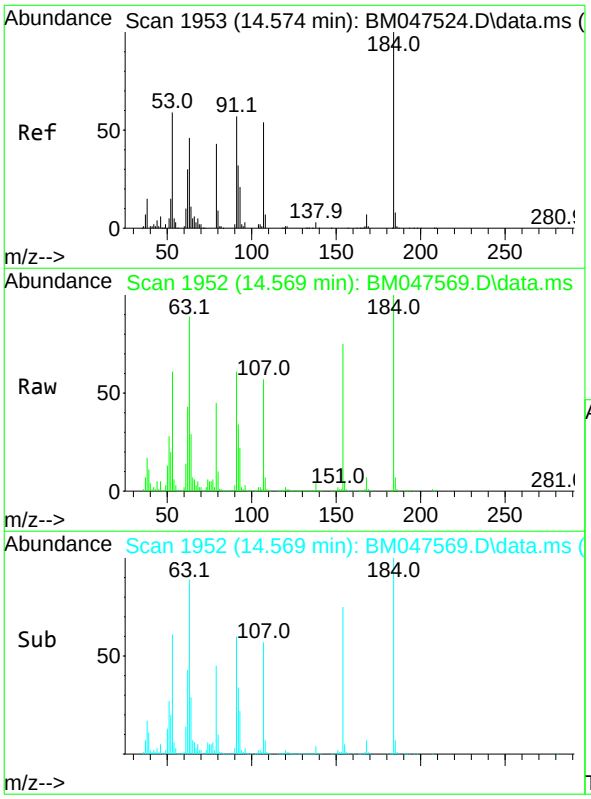
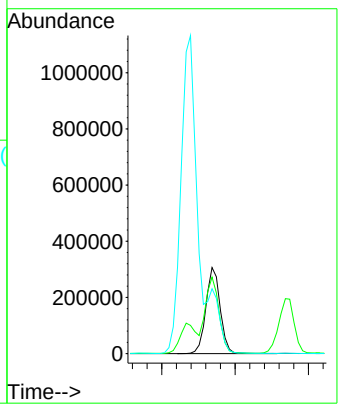


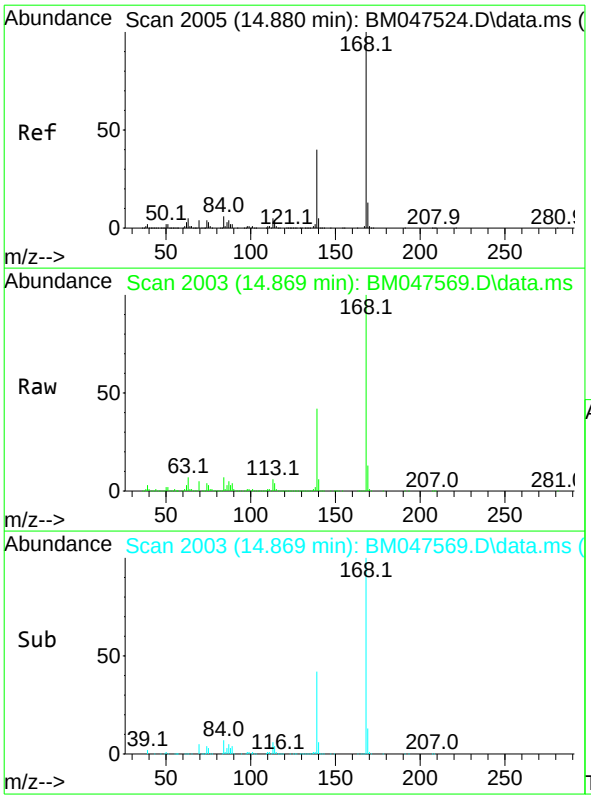


#54
2,4-Dinitrophenol
Concen: 82.181 ng
RT: 14.569 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:184 Resp: 413034

Ion	Ratio	Lower	Upper
184	100		
63	88.9	69.4	104.0
154	75.4	60.4	90.6

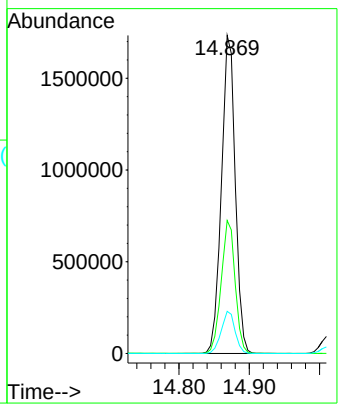




#55
Dibenzofuran
Concen: 45.021 ng
RT: 14.869 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:168 Resp: 2370535

Ion	Ratio	Lower	Upper
168	100		
139	41.8	31.9	47.9
169	13.3	10.5	15.7



Instrument :
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ClientSampleId :
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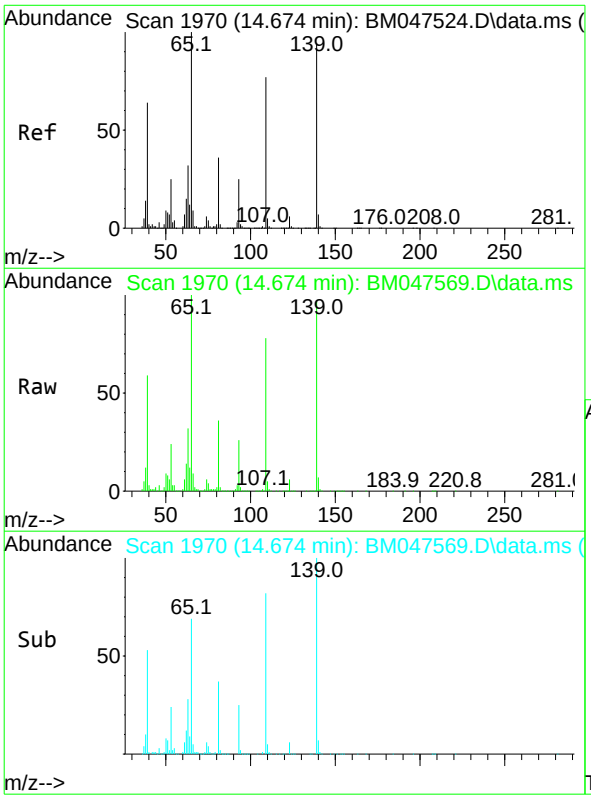
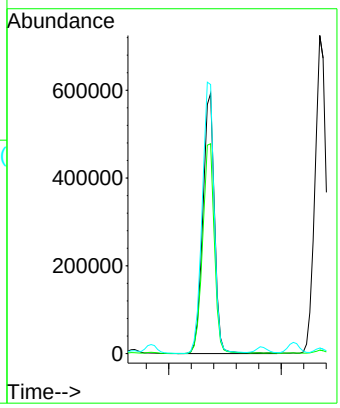
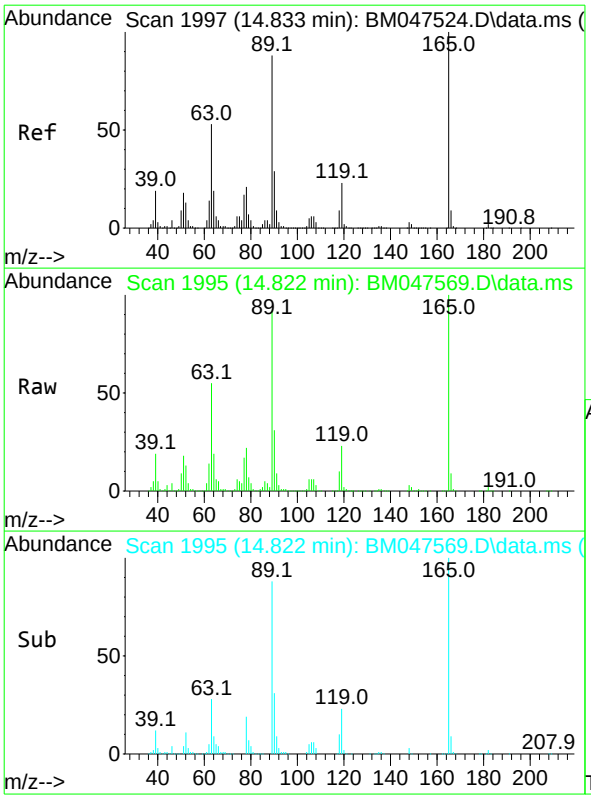


#56
4-Nitrophenol
Concen: 106.021 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:139 Resp: 855857

Ion	Ratio	Lower	Upper
139	100		
109	80.6	62.0	102.0
65	103.4	87.0	127.0

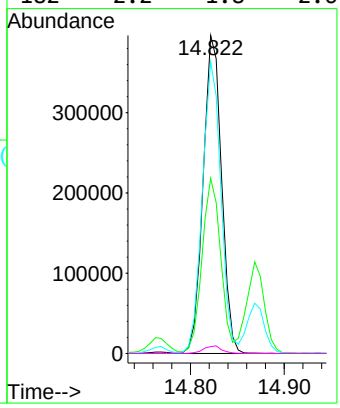




#57
2,4-Dinitrotoluene
Concen: 45.972 ng
RT: 14.822 min Scan# 19
Delta R.T. -0.011 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:165 Resp: 541137

Ion	Ratio	Lower	Upper
165	100		
63	55.1	42.4	63.6
89	91.7	70.5	105.7
182	2.2	1.8	2.6



Instrument :
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ClientSampleId :
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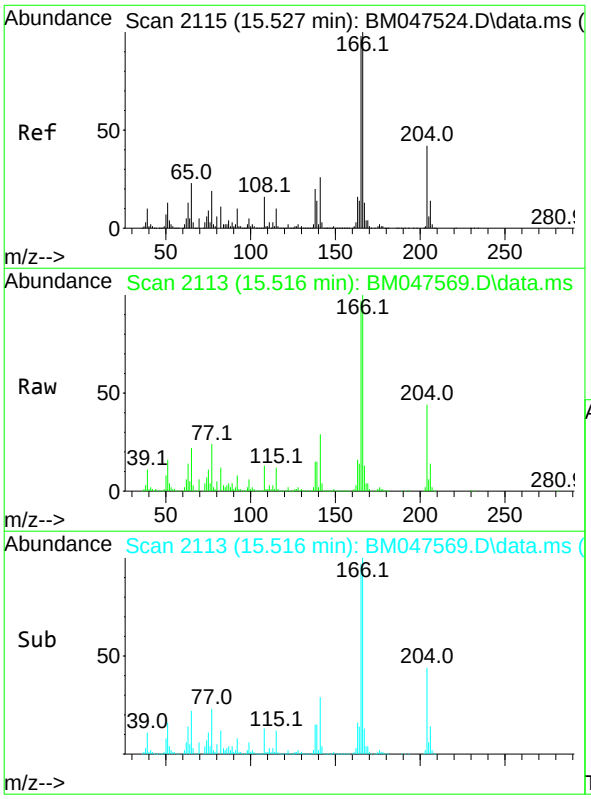
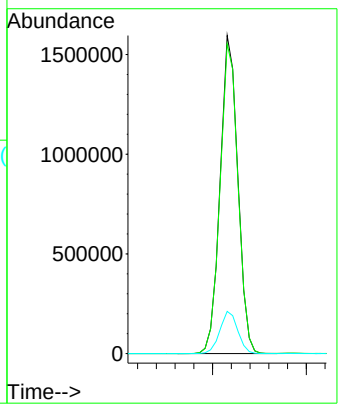
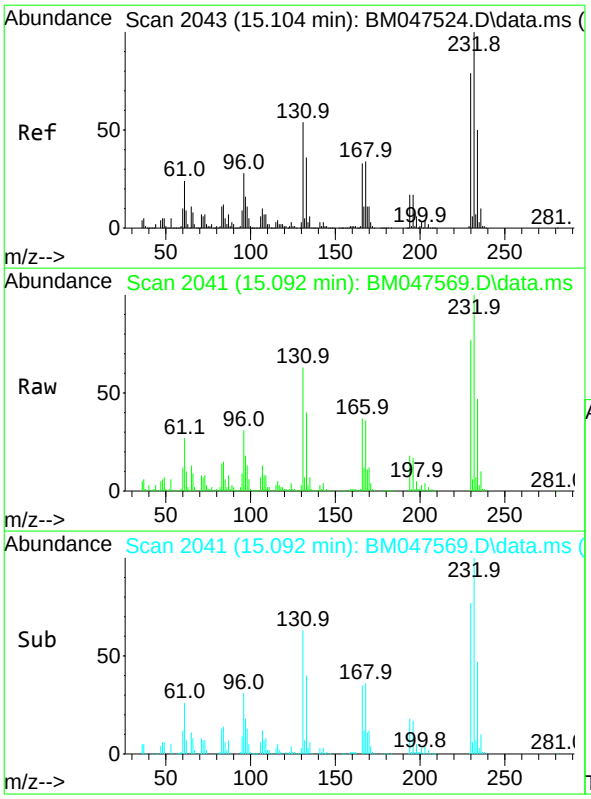


#58
Fluorene
Concen: 44.059 ng
RT: 15.516 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:166 Resp: 2088643

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	117.8
167	13.3	10.7	16.1

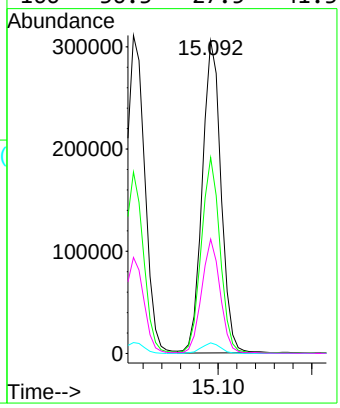




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.398 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:232 Resp: 424887

Ion	Ratio	Lower	Upper
232	100		
131	62.8	47.0	70.4
130	3.5	2.6	3.8
166	36.3	27.5	41.3



Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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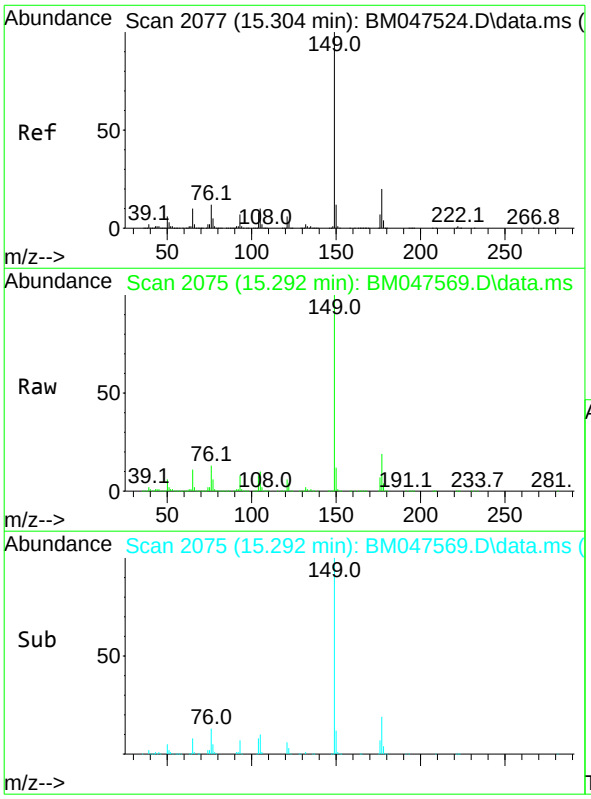
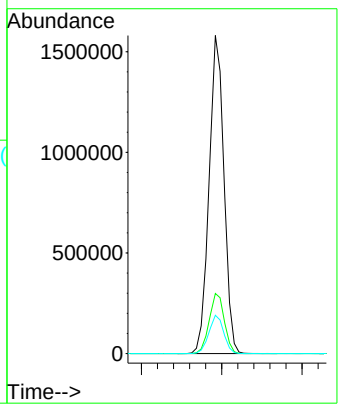
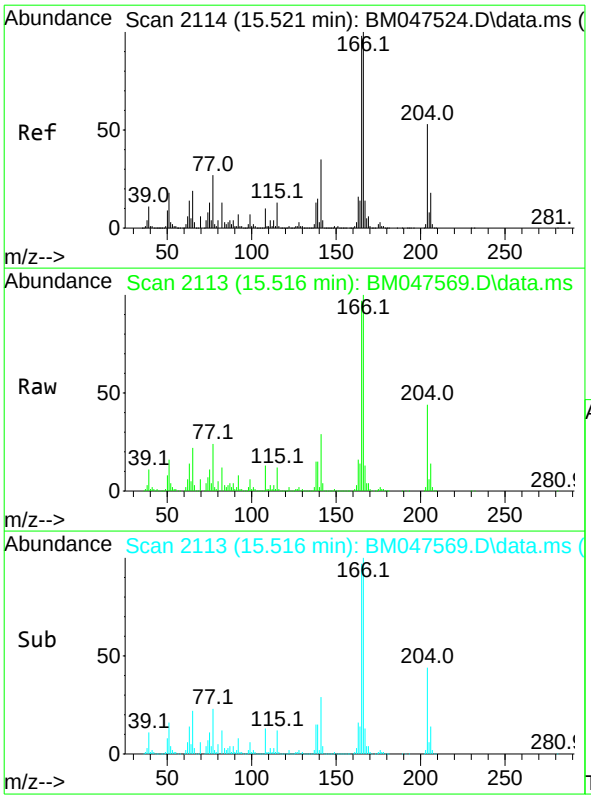


#60
Diethylphthalate
Concen: 45.676 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 2032402

Ion	Ratio	Lower	Upper
149	100		
177	18.9	15.8	23.8
150	12.1	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 41.858 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:204 Resp: 907298

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	66.6	52.1	78.1

Instrument :
BNA_M
ClientSampleId :
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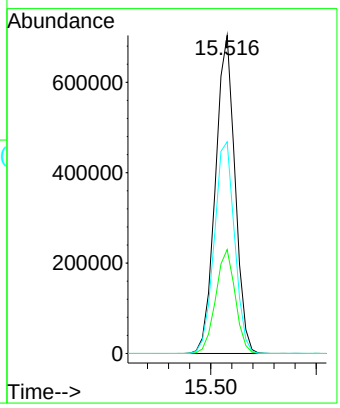
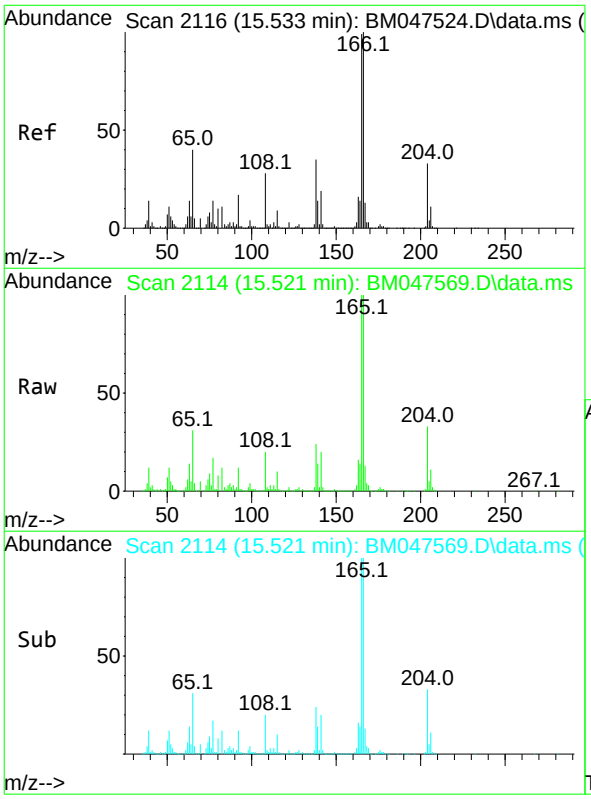
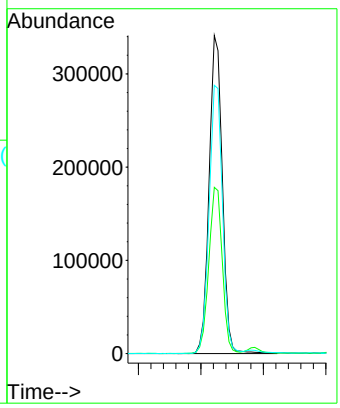


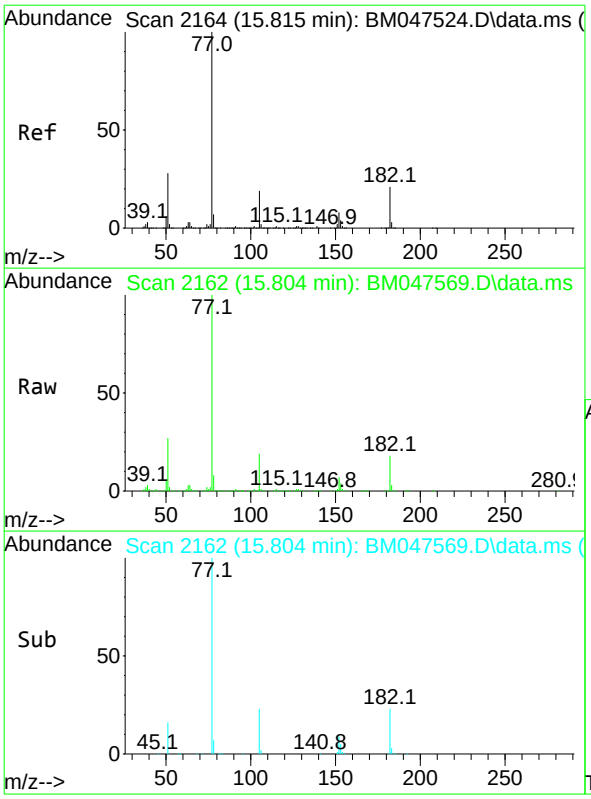


#62
4-Nitroaniline
Concen: 43.457 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:138 Resp: 501117

Ion	Ratio	Lower	Upper
138	100		
92	52.3	30.0	70.0
108	84.4	61.7	101.7

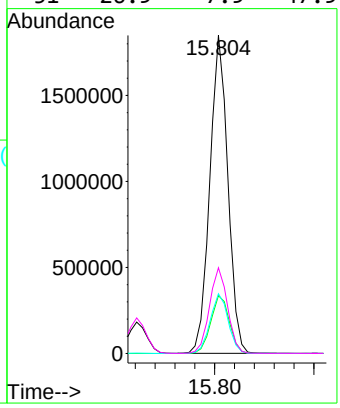




#63
Azobenzene
Concen: 47.573 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 77 Resp: 2330821

Ion	Ratio	Lower	Upper
77	100		
182	18.2	1.2	41.2
105	18.8	0.0	39.4
51	26.9	7.9	47.9



Instrument :
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ClientSampleId :
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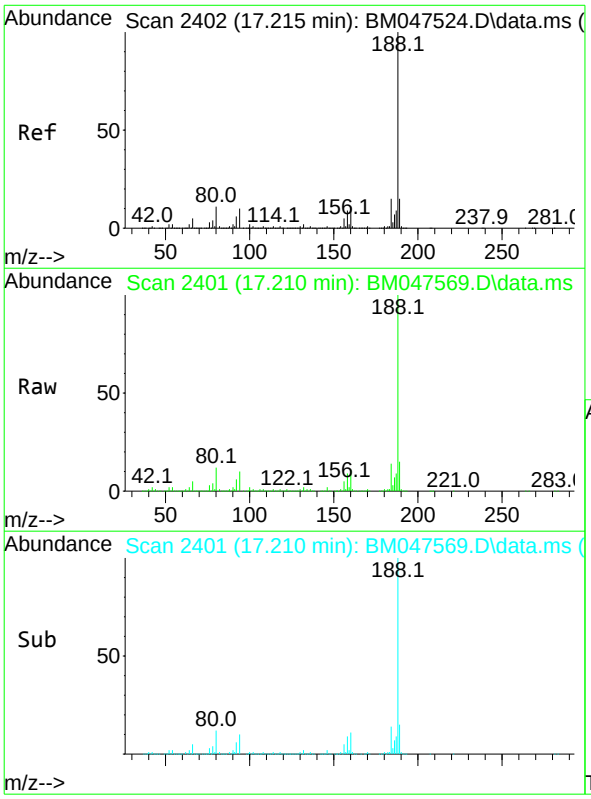
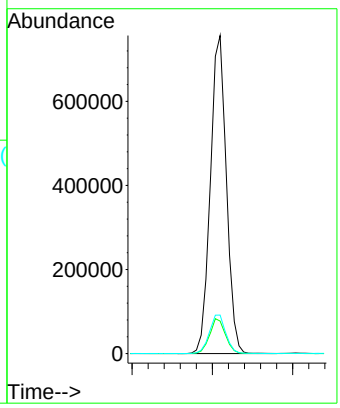
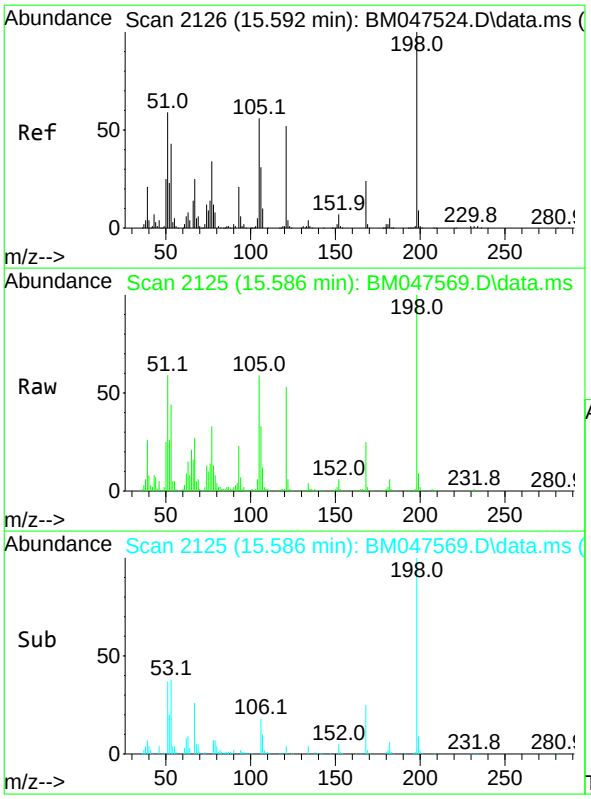


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:188 Resp: 1048553

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	12.1	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 44.877 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:198 Resp: 236745

Ion	Ratio	Lower	Upper
198	100		
51	58.7	41.5	81.5
105	59.0	36.4	76.4

Instrument :
BNA_M
ClientSampleId :
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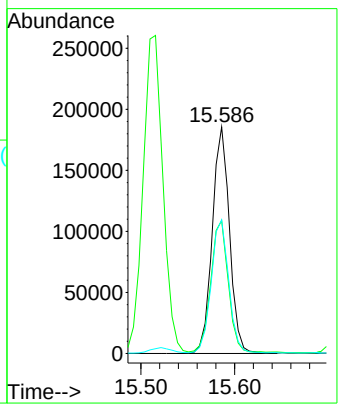
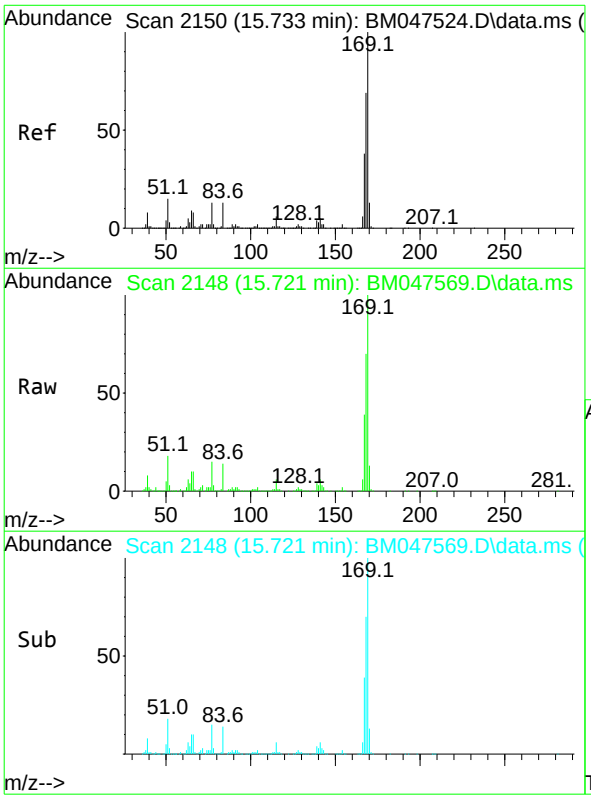
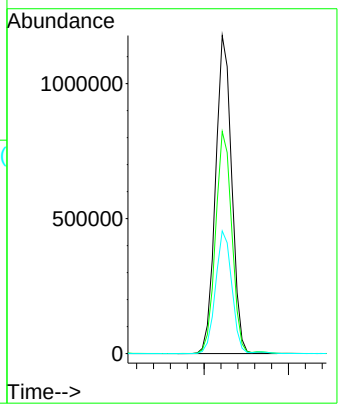


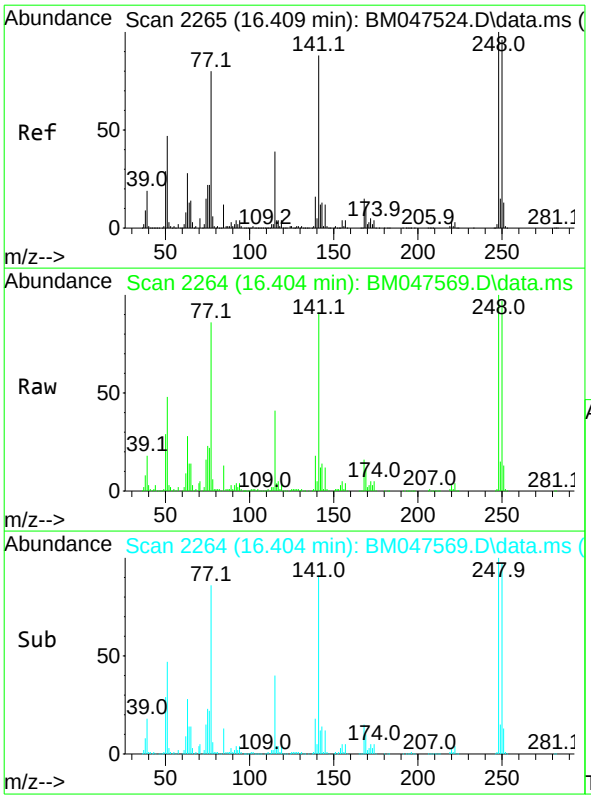


#66
n-Nitrosodiphenylamine
Concen: 48.797 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:169 Resp: 1565272

Ion	Ratio	Lower	Upper
169	100		
168	69.8	55.3	82.9
167	38.6	30.5	45.7

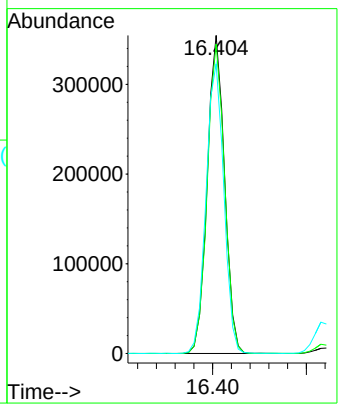




#67
4-Bromophenyl-phenylether
Concen: 44.762 ng
RT: 16.404 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:248 Resp: 456056

Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.9	115.3
141	91.0	70.8	106.2



Instrument :
BNA_M
ClientSampleId :
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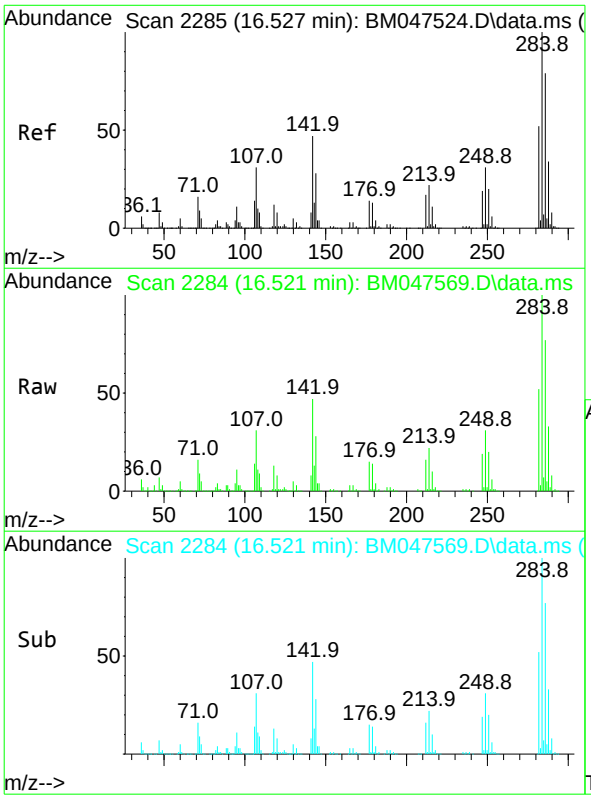
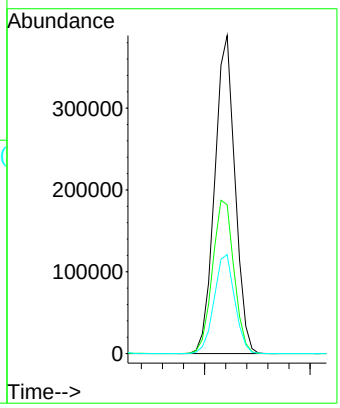
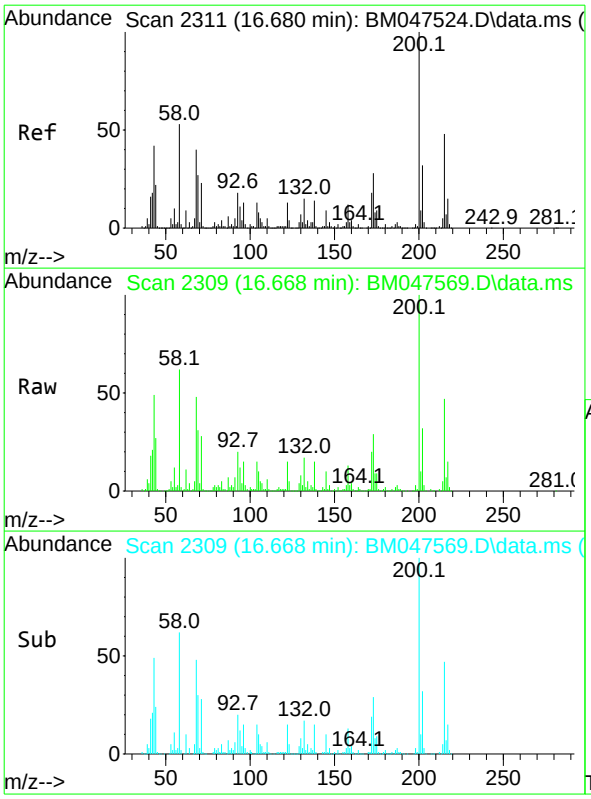


#68
Hexachlorobenzene
Concen: 45.080 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:284 Resp: 520321

Ion	Ratio	Lower	Upper
284	100		
142	46.8	37.3	55.9
249	31.1	24.5	36.7

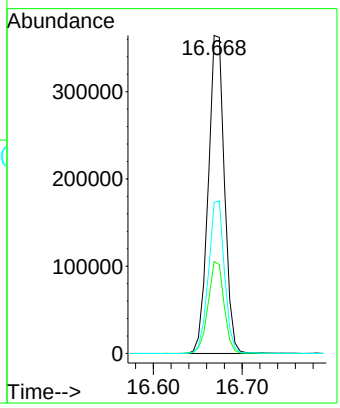




#69
Atrazine
Concen: 52.091 ng
RT: 16.668 min Scan# 23
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:200 Resp: 461837

Ion	Ratio	Lower	Upper
200	100		
173	28.9	7.7	47.7
215	47.5	27.9	67.9



Instrument :
BNA_M
ClientSampleId :
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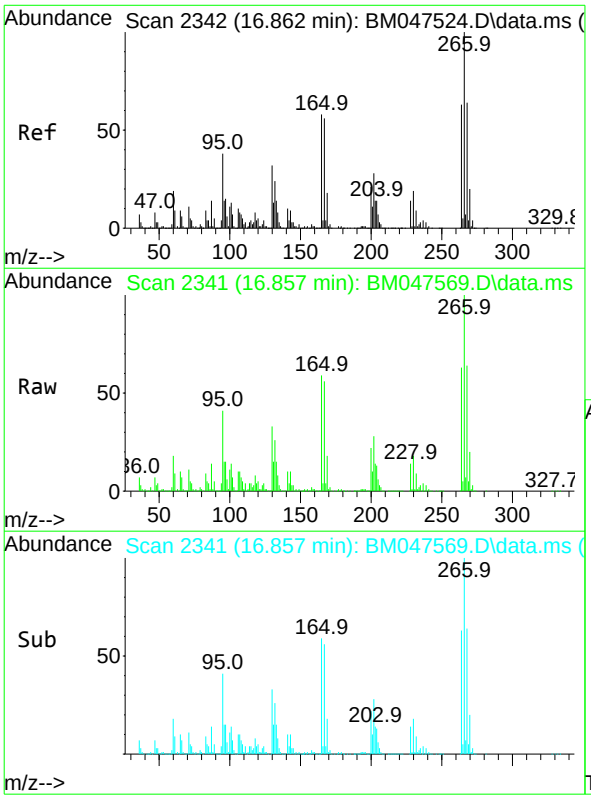
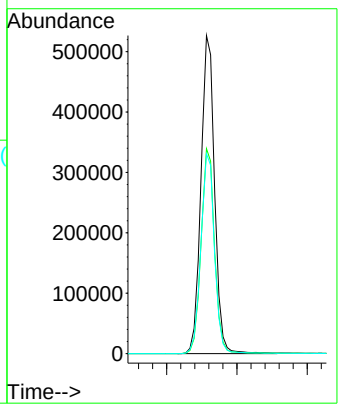
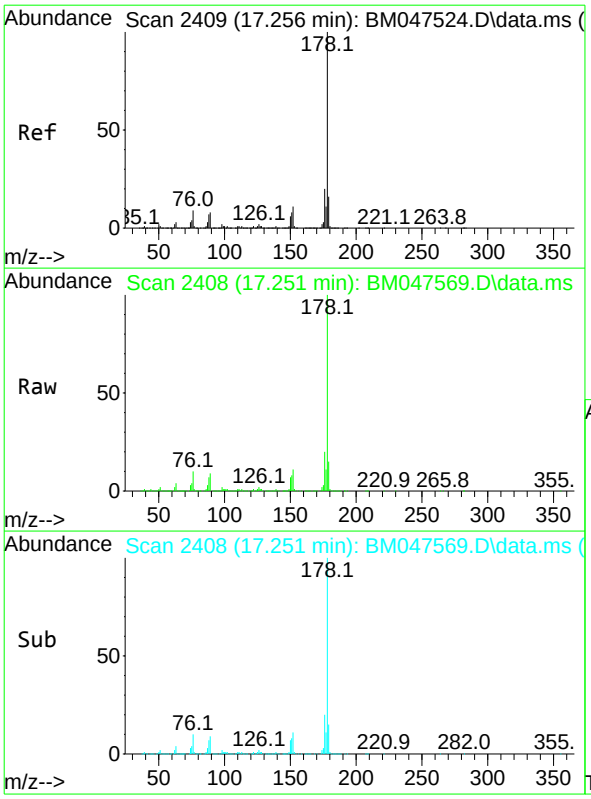


#70
Pentachlorophenol
Concen: 105.917 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:266 Resp: 708658

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.4
264	62.8	50.4	75.6

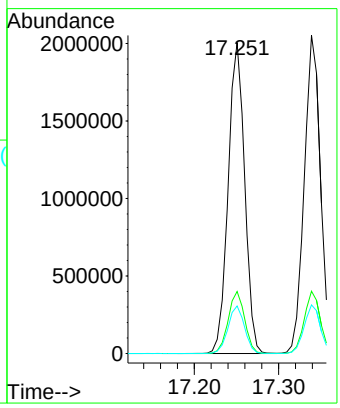




#71
Phenanthrene
Concen: 47.134 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:178 Resp: 2723635

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.3	12.4	18.6



Instrument :
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ClientSampleId :
PB163318BSD

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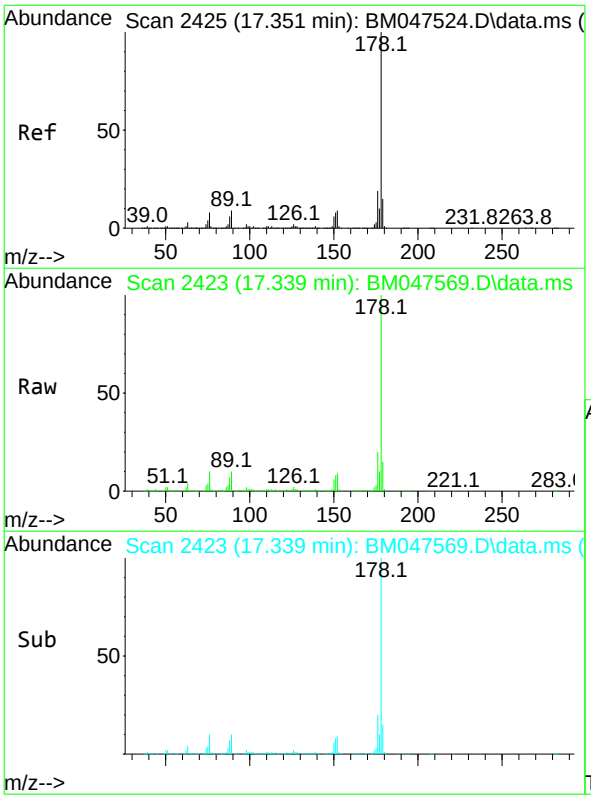
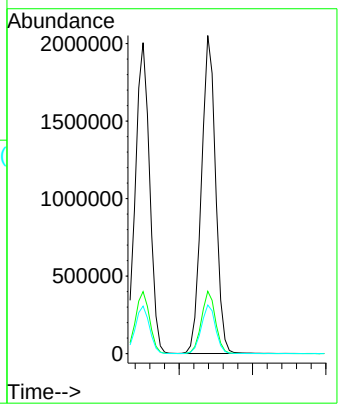
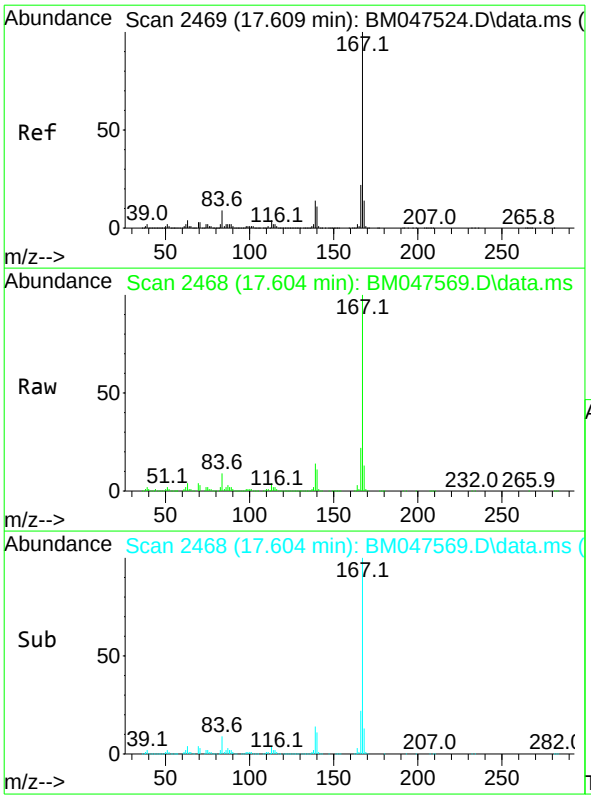


#72
Anthracene
Concen: 49.502 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:178 Resp: 2748272

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.3	12.3	18.5





#73
Carbazole
Concen: 46.799 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:167 Resp: 2574886

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.8
139	14.1	11.0	16.6

Instrument :
BNA_M
ClientSampleId :
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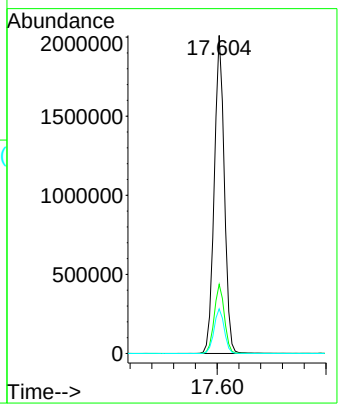
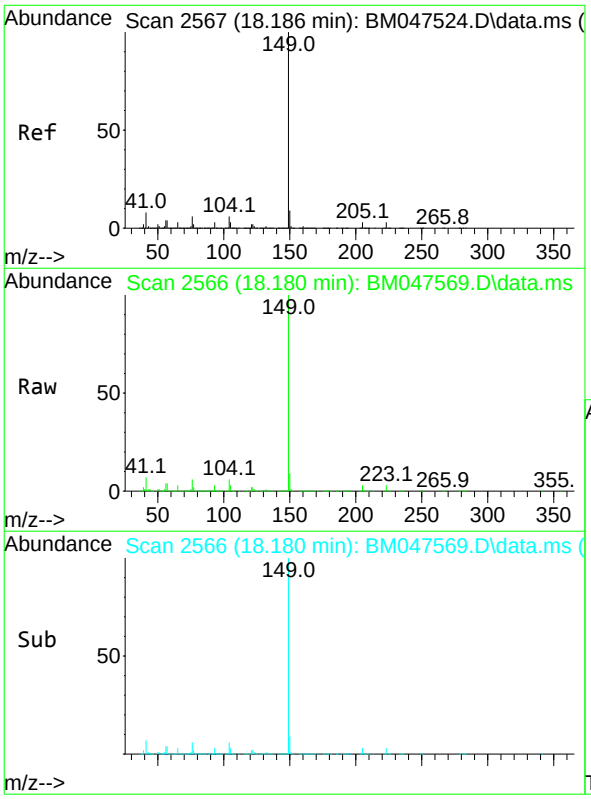
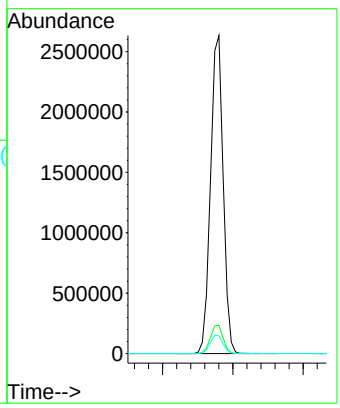


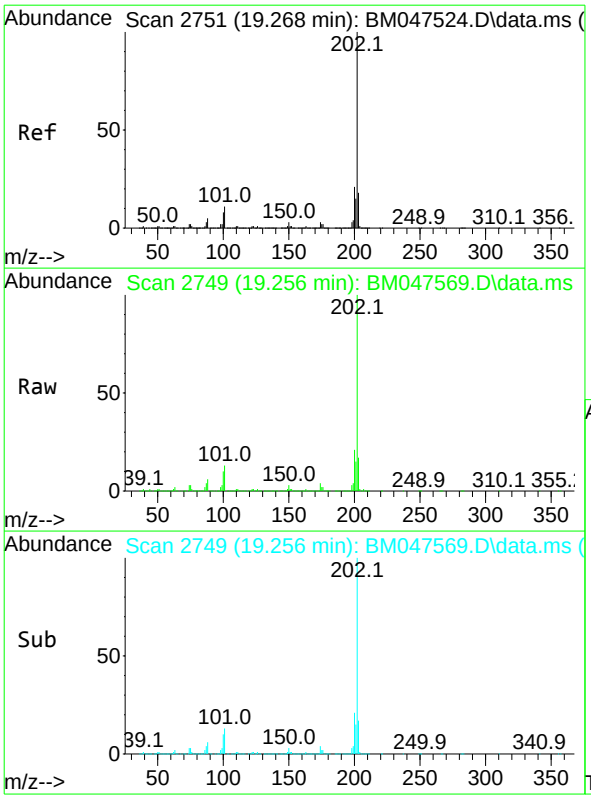


#74
Di-n-butylphthalate
Concen: 49.847 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 3281482

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	5.6	4.6	6.8

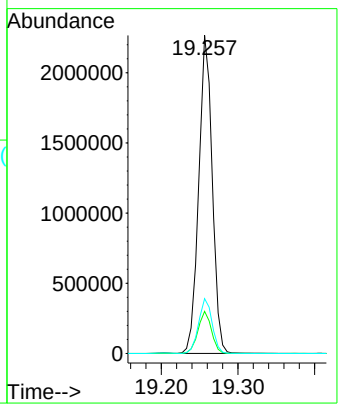




#75
Fluoranthene
Concen: 43.979 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:202 Resp: 2772764

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	30.8
203	17.2	0.0	37.7



Instrument :
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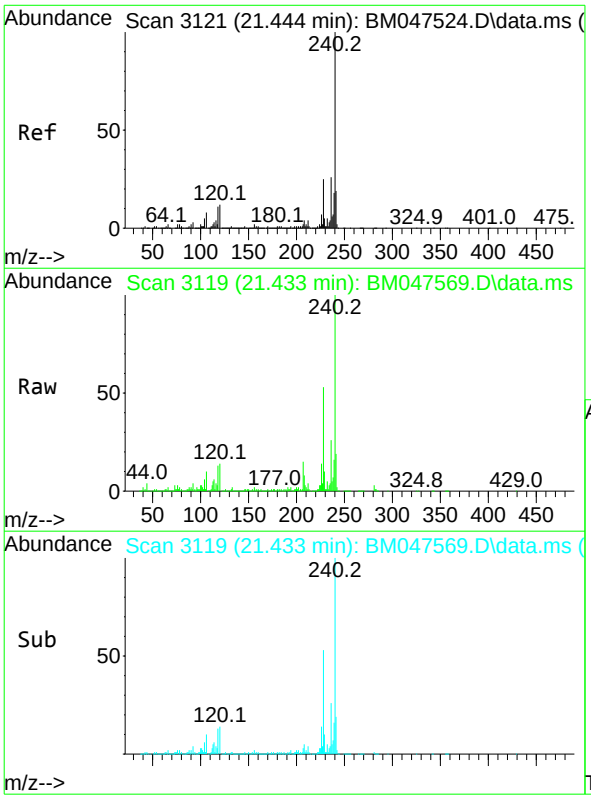
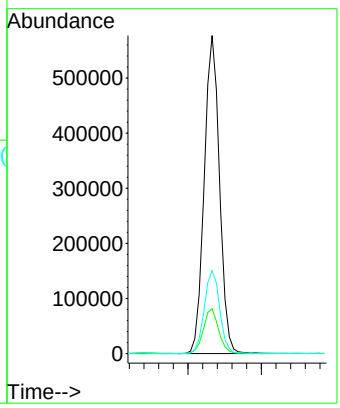
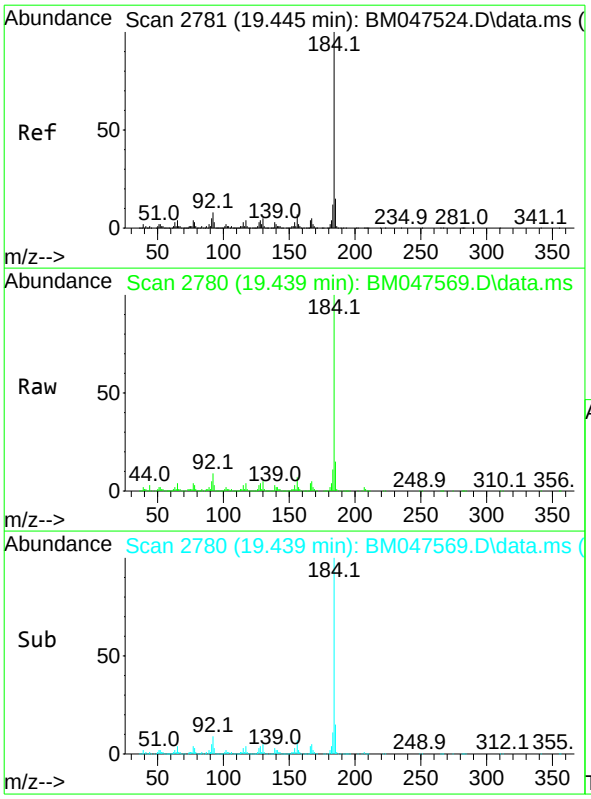


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:240 Resp: 835988

Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.6	14.4
236	26.1	20.9	31.3

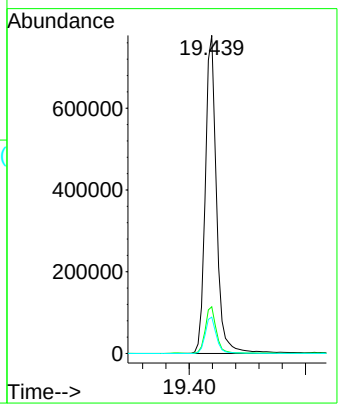




#77
Benzidine
Concen: 88.491 ng
RT: 19.439 min Scan# 27
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:184 Resp: 1041881

Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.2	18.2
183	11.4	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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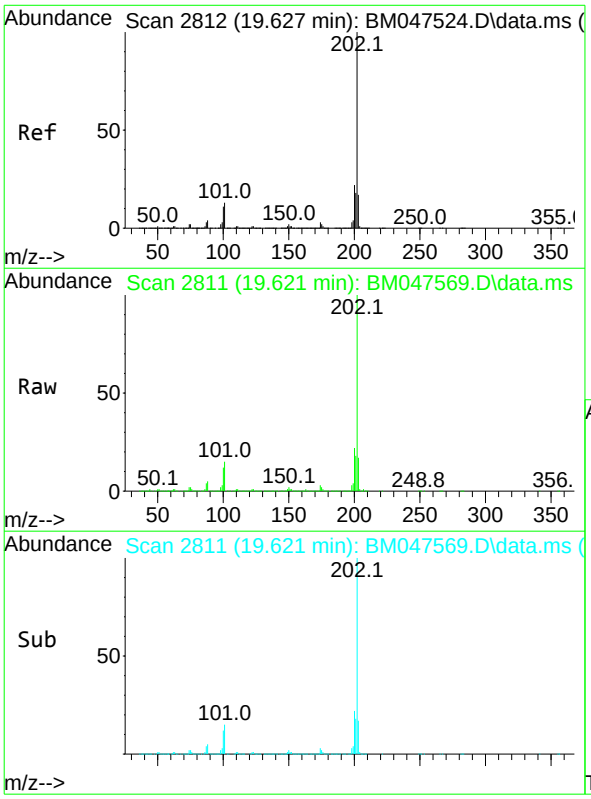
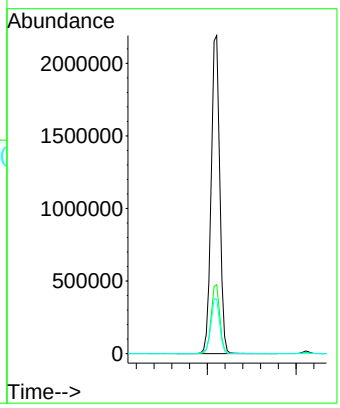
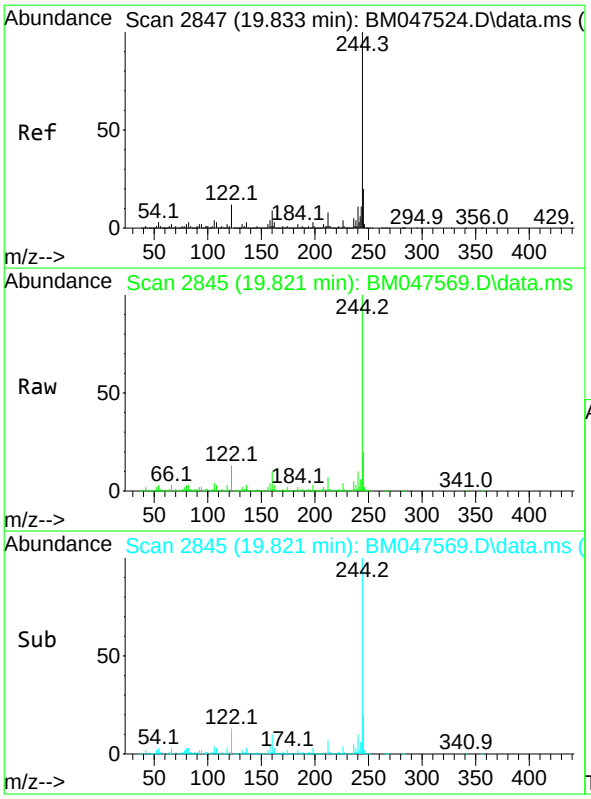


#78
Pyrene
Concen: 48.256 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:202 Resp: 2942597

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.1	14.0	21.0

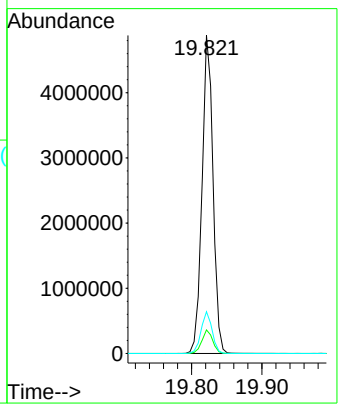




#79
Terphenyl-d14
Concen: 113.202 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:244 Resp: 5281167

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	13.1	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
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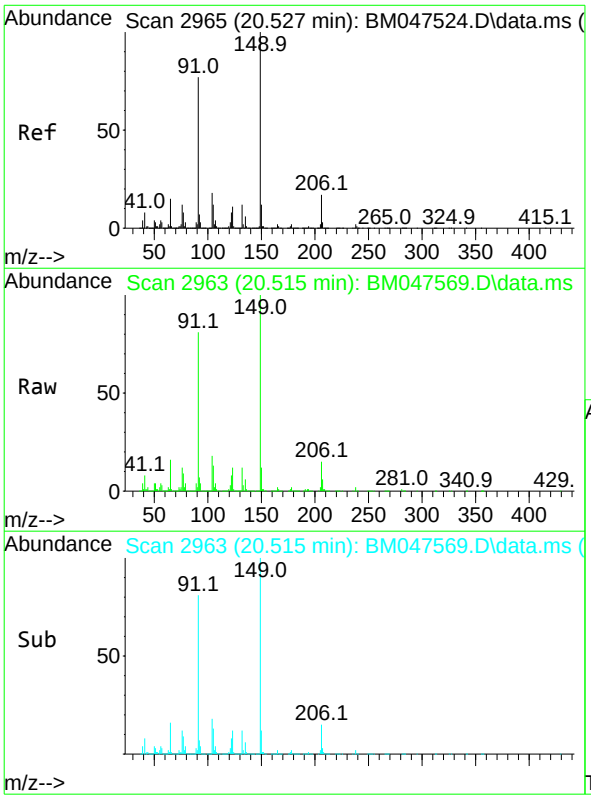
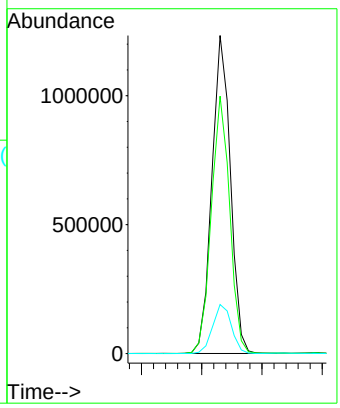
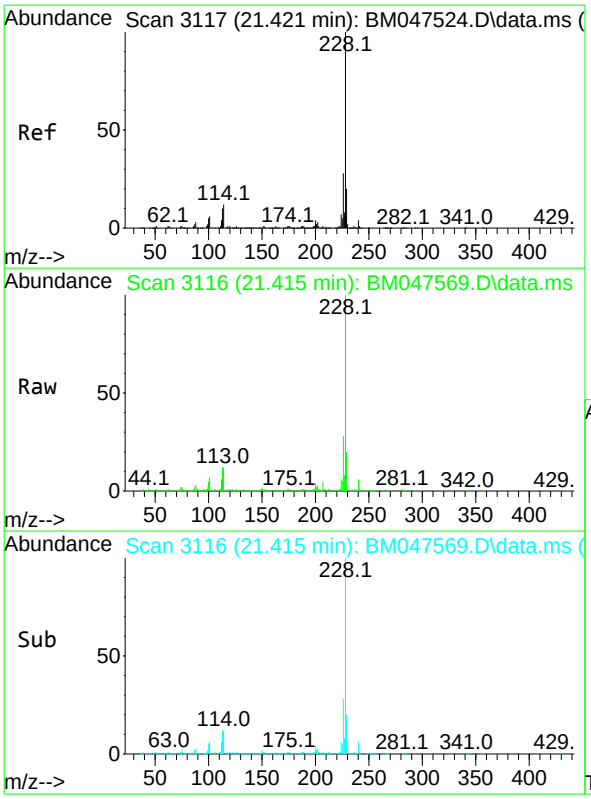


#80
Butylbenzylphthalate
Concen: 56.247 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 1320356

Ion	Ratio	Lower	Upper
149	100		
91	80.9	62.0	93.0
206	15.4	13.8	20.8

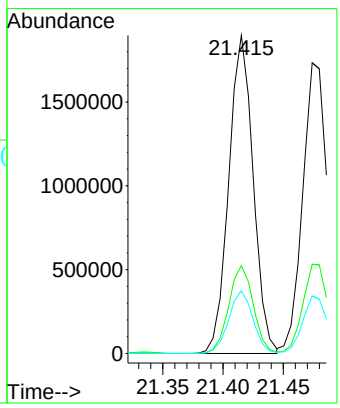




#81
Benzo(a)anthracene
Concen: 49.105 ng
RT: 21.415 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:228 Resp: 2675714

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.4	33.6
229	19.7	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
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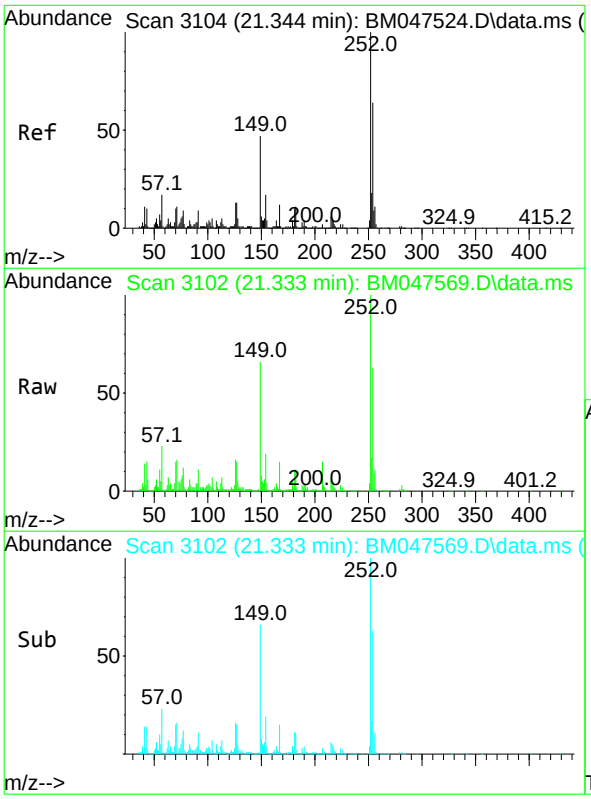
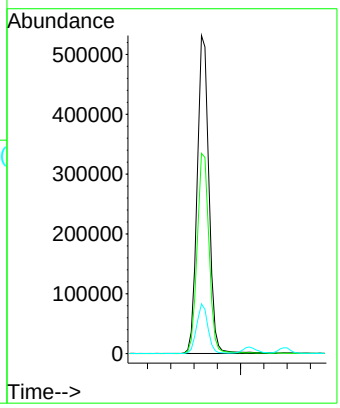
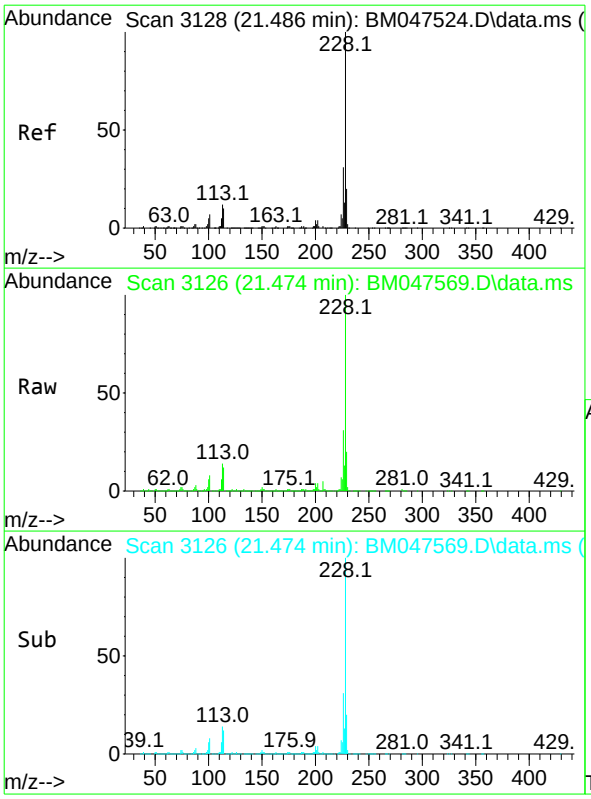


#82
3,3'-Dichlorobenzidine
Concen: 51.351 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:252 Resp: 744323

Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.5	77.3
126	15.6	10.3	15.5#

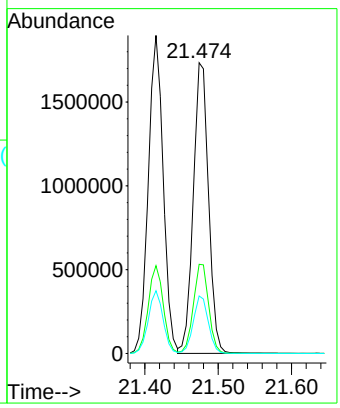




#83
Chrysene
Concen: 48.559 ng
RT: 21.474 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:228 Resp: 2502737

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	19.8	15.9	23.9



Instrument :
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ClientSampleId :
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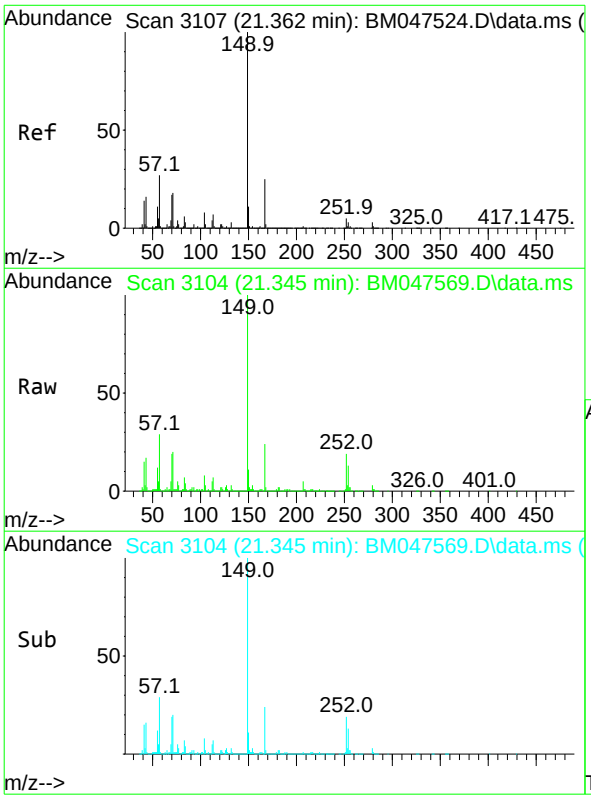
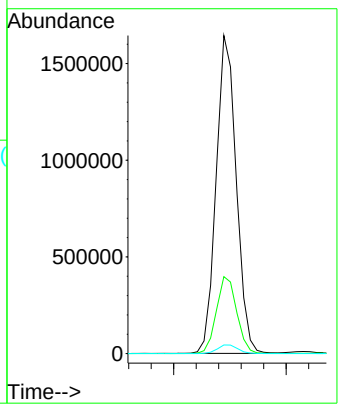
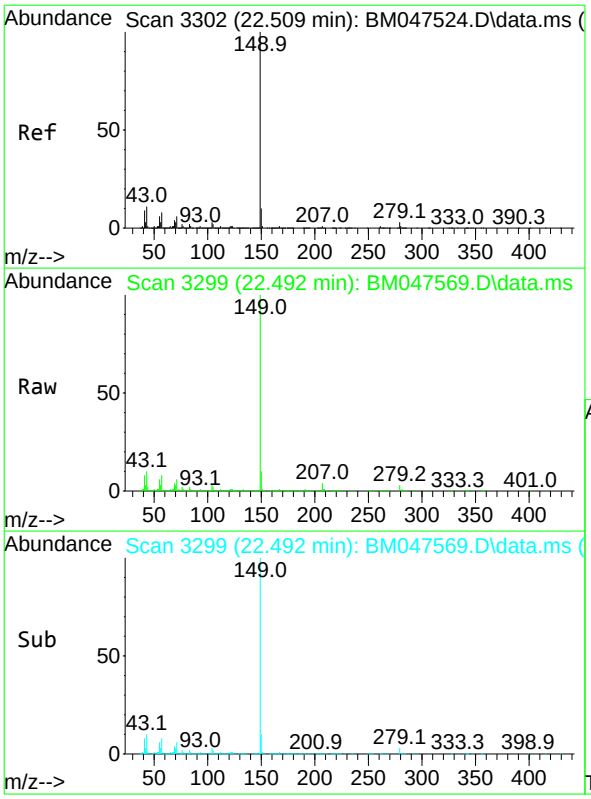


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.465 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 2039617

Ion	Ratio	Lower	Upper
149	100		
167	24.2	20.2	30.4
279	2.7	2.6	4.0

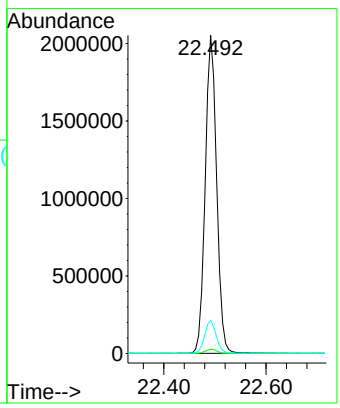




#85
Di-n-octyl phthalate
Concen: 61.023 ng
RT: 22.492 min Scan# 32
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 3174143

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.4	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
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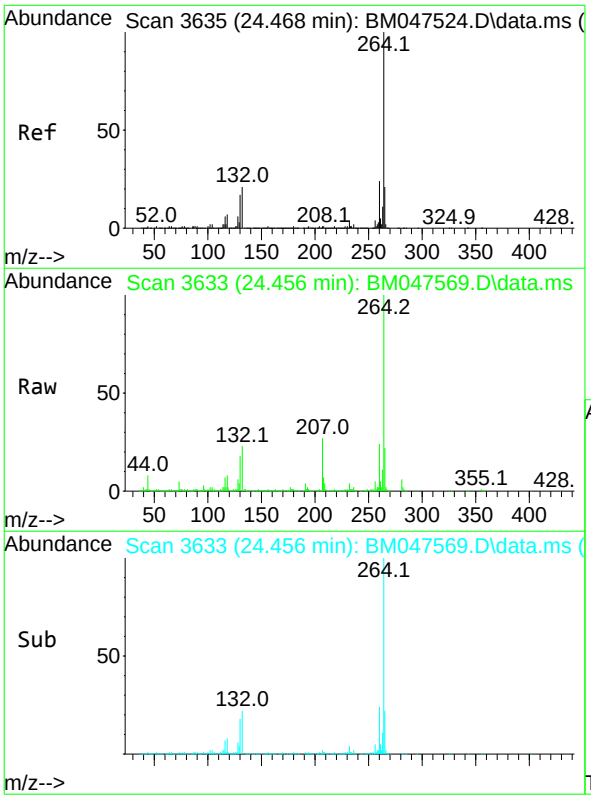
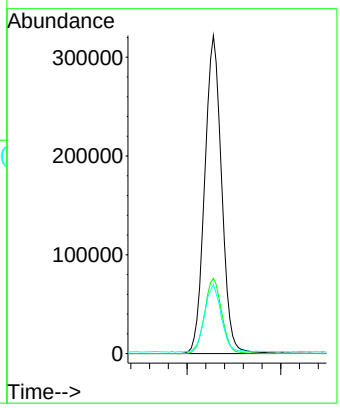
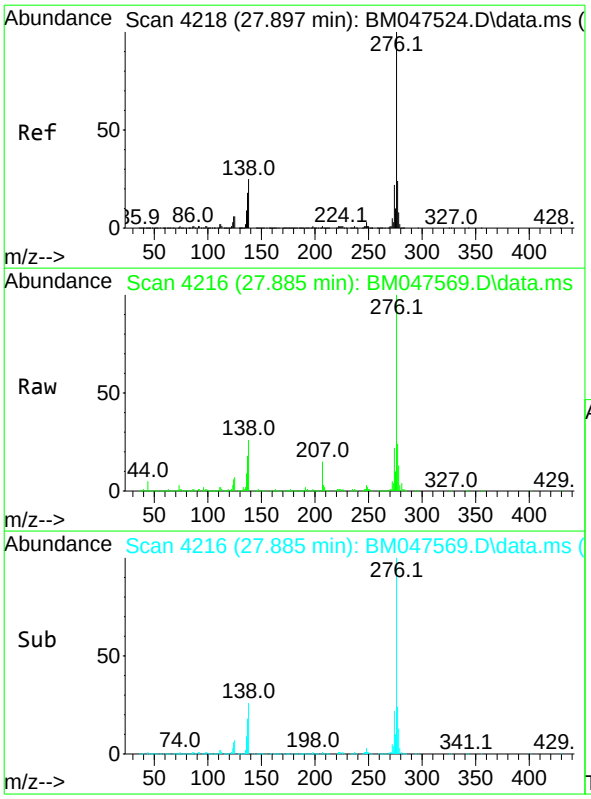


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:264 Resp: 806711

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.8	17.4	26.2

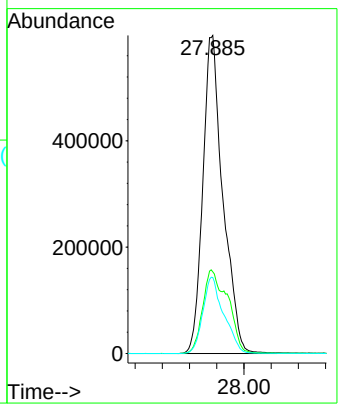




#87
Indeno(1,2,3-cd)pyrene
Concen: 63.640 ng
RT: 27.885 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:276 Resp: 3072358

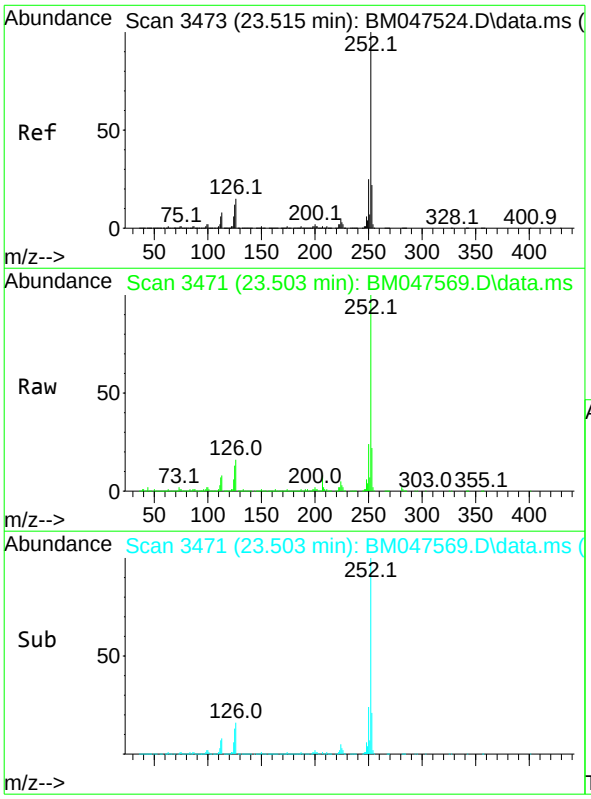
Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.0	37.6
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations
APPROVED

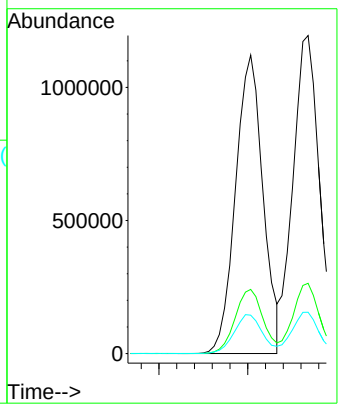
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

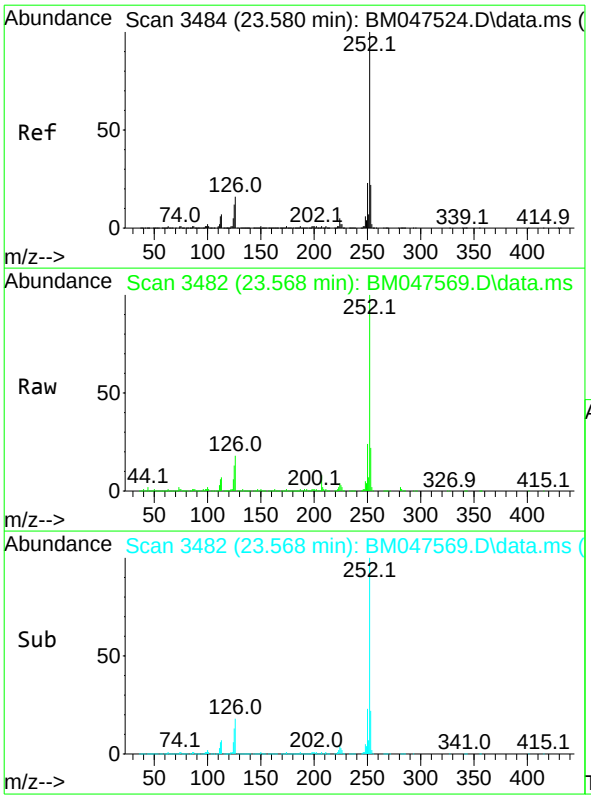


#88
Benzo(b)fluoranthene
Concen: 46.105 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:252 Resp: 2406481

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	12.9	9.5	14.3





#89
Benzo(k)fluoranthene
Concen: 47.996 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

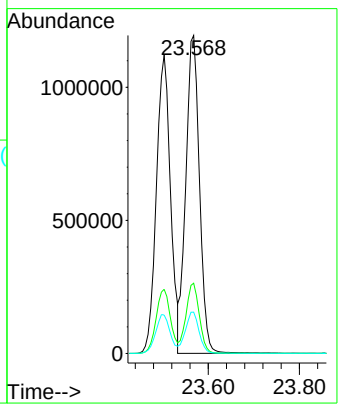
Tgt Ion:252 Resp: 2482785

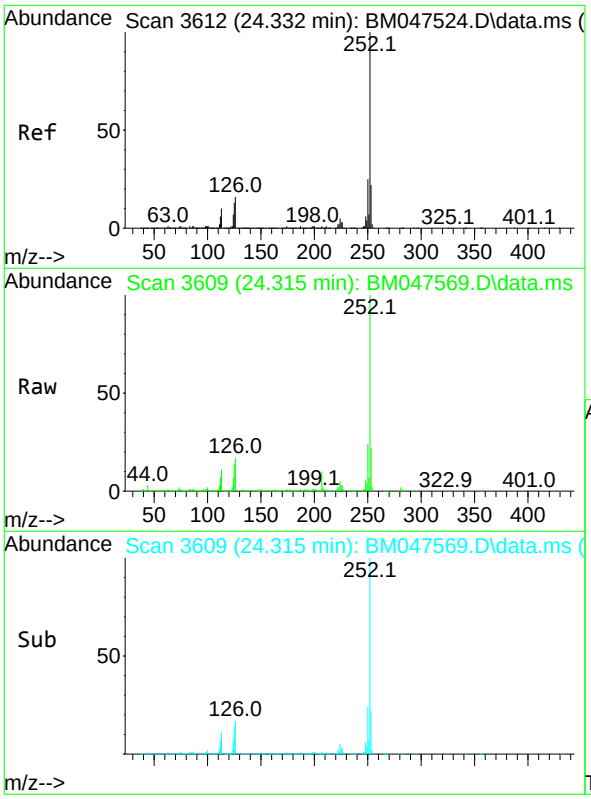
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	13.0	9.5	14.3

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

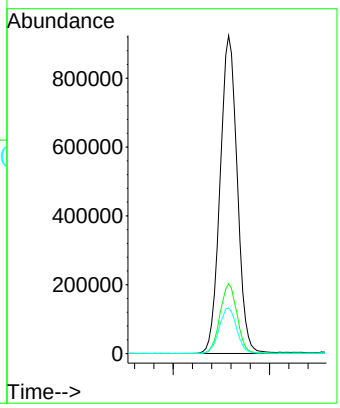


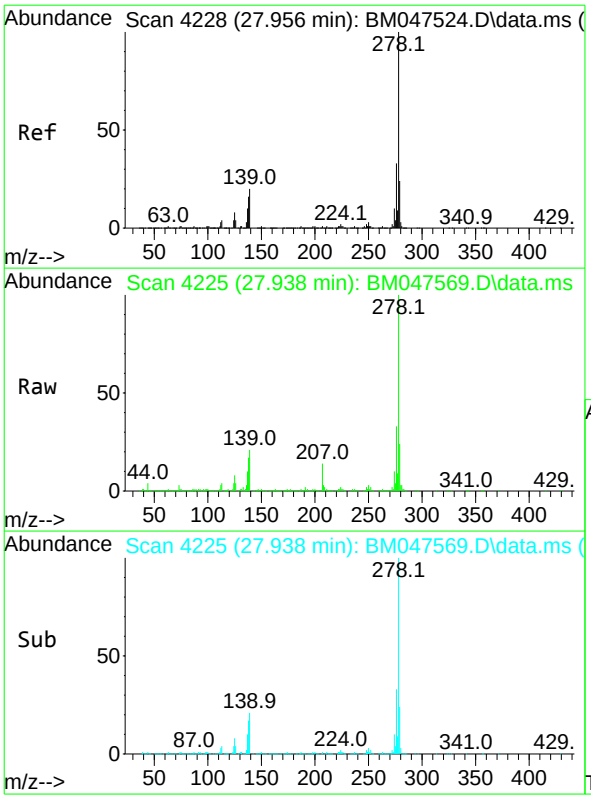


#90
Benzo(a)pyrene
Concen: 53.357 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:252 Resp: 2282601

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	14.3	10.2	15.4





#91
Dibenzo(a,h)anthracene
Concen: 62.958 ng
RT: 27.938 min Scan# 42
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

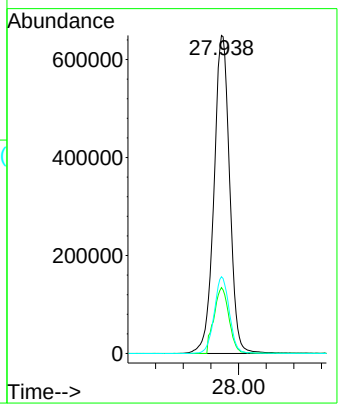
Instrument :
BNA_M
ClientSampleId :
PB163318BSD

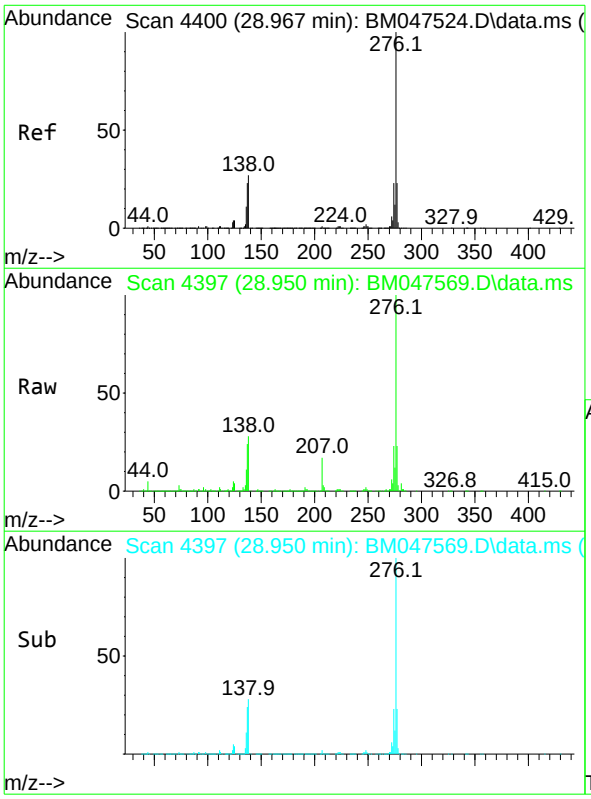
Tgt Ion:278 Resp: 2557213

Ion	Ratio	Lower	Upper
278	100		
139	20.7	15.9	23.9
279	24.1	19.3	28.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

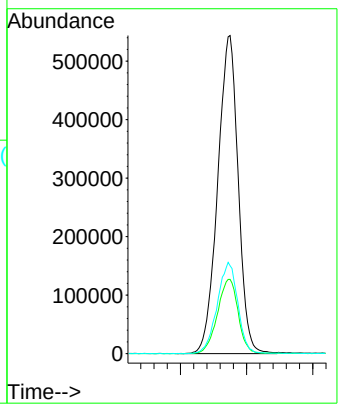




#92
Benzo(g,h,i)perylene
Concen: 58.988 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:276 Resp: 2340478

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	27.6	21.5	32.3



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Manual Integration Report

Sequence:	BM091424	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM047521.D	Benzaldehyde	yogesh	9/16/2024 1:24:56 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICC010	BM047522.D	Benzaldehyde	yogesh	9/16/2024 1:24:59 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICC010	BM047522.D	Benzoic acid	yogesh	9/16/2024 1:24:59 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICC010	BM047522.D	Caprolactam	yogesh	9/16/2024 1:24:59 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICCC040	BM047524.D	Pyridine	yogesh	9/16/2024 1:25:03 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICC050	BM047525.D	Pyridine	yogesh	9/16/2024 1:25:05 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICC060	BM047526.D	Pyridine	yogesh	9/16/2024 1:25:08 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICC080	BM047527.D	Caprolactam	yogesh	9/16/2024 1:25:12 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICC080	BM047527.D	Pyridine	yogesh	9/16/2024 1:25:12 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICV040	BM047528.D	2,2"-oxybis(1-Chloropropane)	yogesh	9/16/2024 1:25:15 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software
SSTDICV040	BM047528.D	Pyridine	yogesh	9/16/2024 1:25:15 AM	mohammad	9/17/2024 2:00:30 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM091624	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM047533.D	2,2"-oxybis(1-Chloropropane)	yogesh	9/17/2024 1:35:59 AM	mohammad	9/17/2024 2:01:24 AM	Peak Integrated by Software
SSTDCCC040	BM047533.D	Pyridine	yogesh	9/17/2024 1:35:59 AM	mohammad	9/17/2024 2:01:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM091924	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM047566.D	Pyridine	Jagrut	9/20/2024 4:22:12 PM	mohammad	9/22/2024 12:55:48 AM	Peak Integrated by Software
PB163318BS	BM047568.D	Acenaphthene	Jagrut	9/20/2024 4:22:14 PM	mohammad	9/22/2024 12:55:48 AM	Peak Integrated by Software
PB163318BS	BM047568.D	Caprolactam	Jagrut	9/20/2024 4:22:14 PM	mohammad	9/22/2024 12:55:48 AM	Peak Integrated by Software
PB163318BSD	BM047569.D	Acenaphthene	Jagrut	9/20/2024 4:22:16 PM	mohammad	9/22/2024 12:55:48 AM	Peak Integrated by Software
PB163318BSD	BM047569.D	Caprolactam	Jagrut	9/20/2024 4:22:16 PM	mohammad	9/22/2024 12:55:48 AM	Peak Integrated by Software

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM091424

Review By	yogesh	Review On	9/16/2024 1:25:35 AM		
Supervise By	mohammad	Supervise On	9/17/2024 2:00:30 AM		
SubDirectory	BM091424	HP Acquire Method	BNA_M	HP Processing Method	BM091424

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12315,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047519.D	14 Sep 2024 11:17	RC/JU	Ok
2	SSTDICC2.5	BM047520.D	14 Sep 2024 11:57	RC/JU	Ok
3	SSTDICC005	BM047521.D	14 Sep 2024 12:36	RC/JU	Ok,M
4	SSTDICC010	BM047522.D	14 Sep 2024 13:16	RC/JU	Ok,M
5	SSTDICC020	BM047523.D	14 Sep 2024 13:55	RC/JU	Ok
6	SSTDICCC040	BM047524.D	14 Sep 2024 14:35	RC/JU	Ok,M
7	SSTDICC050	BM047525.D	14 Sep 2024 15:14	RC/JU	Ok,M
8	SSTDICC060	BM047526.D	14 Sep 2024 15:54	RC/JU	Ok,M
9	SSTDICC080	BM047527.D	14 Sep 2024 16:34	RC/JU	Ok,M
10	SSTDICV040	BM047528.D	14 Sep 2024 17:53	RC/JU	Ok,M
11	PB163160BL	BM047529.D	14 Sep 2024 18:32	RC/JU	Ok
12	PB163160BS	BM047530.D	14 Sep 2024 19:12	RC/JU	Ok,M
13	PB163160BSD	BM047531.D	14 Sep 2024 19:51	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM091624

Review By	yogesh	Review On	9/17/2024 1:36:04 AM		
Supervise By	mohammad	Supervise On	9/17/2024 2:01:24 AM		
SubDirectory	BM091624	HP Acquire Method	BNA_M	HP Processing Method	BM091424

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12315,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047532.D	16 Sep 2024 09:36	RC/JU	Ok
2	SSTDCCC040	BM047533.D	16 Sep 2024 10:16	RC/JU	Ok,M
3	PB163318BL	BM047534.D	16 Sep 2024 11:00	RC/JU	Ok
4	P3845-03	BM047535.D	16 Sep 2024 12:56	RC/JU	Dilution
5	P3845-03DL	BM047536.D	16 Sep 2024 16:12	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 # BM091924

Review By	Jagrut	Review On	9/20/2024 4:22:41 PM				
Supervise By	mohammad	Supervise On	9/22/2024 12:55:48 AM				
SubDirectory	BM091924	HP Acquire Method	BNA_M		HP Processing Method	BM091424	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12315,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047565.D	19 Sep 2024 08:54	RC/JU	Ok
2	SSTDCCC040	BM047566.D	19 Sep 2024 11:49	RC/JU	Ok,M
3	PB163318BL	BM047567.D	19 Sep 2024 12:35	RC/JU	Ok
4	PB163318BS	BM047568.D	19 Sep 2024 13:15	RC/JU	Ok,M
5	PB163318BSD	BM047569.D	19 Sep 2024 13:54	RC/JU	Ok,M
6	P3845-22	BM047570.D	19 Sep 2024 14:34	RC/JU	Not Ok
7	PB163344BS	BM047571.D	19 Sep 2024 15:14	RC/JU	Ok,M
8	PB163344BSD	BM047572.D	19 Sep 2024 15:53	RC/JU	Ok,M
9	PB163344BL	BM047573.D	19 Sep 2024 16:33	RC/JU	Ok
10	P3956-02	BM047574.D	19 Sep 2024 17:13	RC/JU	Ok
11	PB163525BL	BM047575.D	19 Sep 2024 17:53	RC/JU	Not Ok
12	PB163525BS	BM047576.D	19 Sep 2024 18:32	RC/JU	Ok,M
13	P4103-13	BM047577.D	19 Sep 2024 19:12	RC/JU	Ok
14	P4103-13MS	BM047578.D	19 Sep 2024 19:52	RC/JU	Ok,M
15	P4103-13MSD	BM047579.D	19 Sep 2024 20:32	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM091424

Review By	yogesh	Review On	9/16/2024 1:25:35 AM		
Supervise By	mohammad	Supervise On	9/17/2024 2:00:30 AM		
SubDirectory	BM091424	HP Acquire Method	BNA_M	HP Processing Method	BM091424

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12315,10ul/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	BM047519.D	14 Sep 2024 11:17		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM047520.D	14 Sep 2024 11:57		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM047521.D	14 Sep 2024 12:36	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM047522.D	14 Sep 2024 13:16		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM047523.D	14 Sep 2024 13:55	Compound #32,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM047524.D	14 Sep 2024 14:35	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM047525.D	14 Sep 2024 15:14		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM047526.D	14 Sep 2024 15:54		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM047527.D	14 Sep 2024 16:34	Compound #77 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM091424	BM047528.D	14 Sep 2024 17:53		RC/JU	Ok,M
11	PB163160BL	PB163160BL	BM047529.D	14 Sep 2024 18:32		RC/JU	Ok
12	PB163160BS	PB163160BS	BM047530.D	14 Sep 2024 19:12		RC/JU	Ok,M
13	PB163160BSD	PB163160BSD	BM047531.D	14 Sep 2024 19:51	Double Internal Standard added	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM091624

Review By	yogesh	Review On	9/17/2024 1:36:04 AM		
Supervise By	mohammad	Supervise On	9/17/2024 2:01:24 AM		
SubDirectory	BM091624	HP Acquire Method	BNA_M	HP Processing Method	BM091424

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12315,10ul/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	BM047532.D	16 Sep 2024 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047533.D	16 Sep 2024 10:16	CCC fail high side for com. #77	RC/JU	Ok,M
3	PB163318BL	PB163318BL	BM047534.D	16 Sep 2024 11:00		RC/JU	Ok
4	P3845-03	PT-BN-WP	BM047535.D	16 Sep 2024 12:56	PT Sample-Need 5X Dilution.	RC/JU	Dilution
5	P3845-03DL	PT-BN-WPDL	BM047536.D	16 Sep 2024 16:12		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 # BM091924

Review By	Jagrut	Review On	9/20/2024 4:22:41 PM		
Supervise By	mohammad	Supervise On	9/22/2024 12:55:48 AM		
SubDirectory	BM091924	HP Acquire Method	BNA_M	HP Processing Method	BM091424

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12315,10ul/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	BM047565.D	19 Sep 2024 08:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047566.D	19 Sep 2024 11:49		RC/JU	Ok,M
3	PB163318BL	PB163318BL	BM047567.D	19 Sep 2024 12:35		RC/JU	Ok
4	PB163318BS	PB163318BS	BM047568.D	19 Sep 2024 13:15		RC/JU	Ok,M
5	PB163318BSD	PB163318BSD	BM047569.D	19 Sep 2024 13:54		RC/JU	Ok,M
6	P3845-22	RR-TRIAZINE-WP	BM047570.D	19 Sep 2024 14:34	PT Sample, Internal Standard Fail	RC/JU	Not Ok
7	PB163344BS	PB163344BS	BM047571.D	19 Sep 2024 15:14		RC/JU	Ok,M
8	PB163344BSD	PB163344BSD	BM047572.D	19 Sep 2024 15:53		RC/JU	Ok,M
9	PB163344BL	PB163344BL	BM047573.D	19 Sep 2024 16:33		RC/JU	Ok
10	P3956-02	EFF-WW	BM047574.D	19 Sep 2024 17:13	Surrogate Fail	RC/JU	Ok
11	PB163525BL	PB163525BL	BM047575.D	19 Sep 2024 17:53	Internal Standard and Surrogate fail	RC/JU	Not Ok
12	PB163525BS	PB163525BS	BM047576.D	19 Sep 2024 18:32		RC/JU	Ok,M
13	P4103-13	WC-14-7.5-10B	BM047577.D	19 Sep 2024 19:12		RC/JU	Ok
14	P4103-13MS	WC-14-7.5-10BMS	BM047578.D	19 Sep 2024 19:52		RC/JU	Ok,M
15	P4103-13MSD	WC-14-7.5-10BMSD	BM047579.D	19 Sep 2024 20:32		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB163318

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 09/12/2024

Extraction Start Time : 08:40

Extraction End Date : 09/12/2024

Extraction End Time : 13:40

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [_] 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	E3791
Baked Na2SO4	N/A	EP2532
10N NaoH	N/A	EP2523
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted <2 with 1:1H2SO4 & >11 with 10 N NaOH.P3940-01 Extracted out of hold as per Client.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/12/24	RP (Sol.Las)	RC/SVOC
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB163318

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 09/12/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163318BL	SBLK318	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB163318BS	SLCS318	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB163318BSD	SLCSD318	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
P3845-03	PT-BN-WP	SVOCMS Group1	1000	6	RUPESH	ritesh	1			4
P3845-06	PT-ACIDS-WP	SVOCMS Group2	1000	6	RUPESH	ritesh	1			5
P3845-22	RR-TRIAZINE-WP	SVOCMS Group6	1000	6	RUPESH	ritesh	1			6
P3940-01	AST-2024-4036-PRIM	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	G		7

* **Extracts relinguished on the same date as received.**

9/12/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3940 **WorkList ID :** 183415 **Department :** Extraction **Date :** 09-12-2024 08:38:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3845-03	PT-BN-WP	Water	SVOCMS Group1	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8270E
P3845-06	PT-ACIDS-WP	Water	SVOCMS Group2	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8270E
P3845-22	RR-TRIAZINE-WP	Water	SVOCMS Group6	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8270E
P3940-01	AST-2024-4036-PRIM	Water	SVOC-TCL BNA -20	Cool 4 deg C	WIND03	H53	08/29/2024	8270E

Date/Time 09/12/24 5:40
Raw Sample Received by: RJ (Cher (ws)
Raw Sample Relinquished by: JD CSM)

Date/Time 09/17/24 9:05
Raw Sample Received by: JD CSM)
Raw Sample Relinquished by: RJ (Cher (ws)

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Prep Standard - Chemical Standard Summary

Order ID : P3845

Test : SVOCMS Group1

Prepbatch ID : PB163318,

Sequence ID/Qc Batch ID: BF091424,BF091424,BF091624,BF091624,BM091624,BM091624,BM091924,BM091924,BM092324,

Standard ID :
EP2523,EP2524,EP2532,SP6524,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,SP6594,SP6595,SP6604,SP6620,SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3744,E3768,E3780,E3786,E3791,M5037,S10103,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11085,S11093,S11097,S11098,S11103,S11138,S11141,S11159,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,S12077,S12078,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12113,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12275,S12314,S12315,S12316,S12449,S12450,S12451,S12452,S12453,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2523	08/14/2024	02/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2524	08/14/2024	12/15/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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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	EP2532	08/30/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/30/2024

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
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6558	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6559	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6587	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12112 + 1.00000ml of S11084 + 1.00000ml of S11093 + 1.00000ml of S11097 + 1.00000ml of S11103 + 1.00000ml of S12077 + 3.83300ml of E3786 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6588	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.20000ml of E3786 + 0.80000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6589	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.40000ml of E3786 + 0.60000ml of SP6587 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6590	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6591	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.60000ml of E3786 + 0.40000ml of SP6587 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6592	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.80000ml of E3786 + 0.20000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6593	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.90000ml of E3786 + 0.10000ml of SP6587 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6594	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.95000ml of E3786 + 0.05000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6595	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6594 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6604	08/12/2024	10/26/2024	Rahul Chavli	None	None	Yogesh Patel 08/21/2024

FROM 0.20000ml of S12126 + 0.40000ml of S10398 + 0.40000ml of S10583 + 0.40000ml of S11012 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.50000ml of S12105 + 0.50000ml of S12453 + 0.70000ml of S12097 + 0.80000ml of S11566 + 0.80000ml of S12118 + 1.20000ml of S11555 + 1.20000ml of S11561 + 1.20000ml of S11767 + 1.20000ml of S11769 + 1.20000ml of S12099 + 1.20000ml of S12101 + 1.20000ml of S12104 + 1.20000ml of S12119 + 1.20000ml of S12121 + 1.20000ml of S12449 + 1.20000ml of S12451 + 1.30000ml of S11567 + 1.30000ml of S11768 + 1.30000ml of S11770 + 1.30000ml of S12098 + 1.30000ml of S12100 + 1.30000ml of S12102 + 1.30000ml of S12103 + 1.30000ml of S12120 + 1.30000ml of S12122 + 1.30000ml of S12123 + 1.30000ml of S12124 + 1.30000ml of S12450 + 1.30000ml of S12452 + 1.40000ml of S12125 + 163.00000ml of E3780 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6620	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12113 + 1.00000ml of S11085 + 1.00000ml of S11098 + 1.00000ml of S11159 + 1.00000ml of S12078 + 1.00000ml of S12275 + 3.83300ml of E3791 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6621	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.20000ml of E3791 + 0.80000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6622	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.40000ml of E3791 + 0.60000ml of SP6620 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6623	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.50000ml of E3791 + 0.50000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6624	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.60000ml of E3791 + 0.40000ml of SP6620 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6625	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.80000ml of E3791 + 0.20000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6626	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.90000ml of E3791 + 0.10000ml of SP6620 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6627	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.95000ml of E3791 + 0.05000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6628	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.50000ml of E3791 + 0.50000ml of SP6627 = Final Quantity: 1.010 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)	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24F1062004	02/01/2025	08/01/2024 / Rajesh	07/16/2024 / Rajesh	E3786

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/09/2025	09/09/2024 / Rajesh	09/03/2024 / Rajesh	E3791

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	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	10/26/2024	04/26/2024 / Rahul	05/18/2022 / Christian	S10398

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	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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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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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11002

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0193449	10/26/2024	04/26/2024 / Rahul	01/13/2023 / Christian	S11012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11084

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	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11085

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11098

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	03/11/2025	09/11/2024 / Rahul	03/06/2023 / Christian	S11159

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11567

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	01/12/2025	07/12/2024 / Rahul	11/21/2023 / Rahul	S11767

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11770

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	01/01/2025	07/01/2024 / Rahul	12/21/2023 / Rahul	S12033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	02/07/2025	08/07/2024 / anahy	12/21/2023 / Rahul	S12039

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	03/11/2025	09/11/2024 / Rahul	01/31/2024 / Rahul	S12078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12098

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12100

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12101

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	12/05/2024	06/05/2024 / Rahul	03/15/2024 / Rahul	S12117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/10/2025 / Jagrut	03/15/2024 / Rahul	S12118

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12121

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12122

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12123

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12124

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12125

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	03/11/2025	09/11/2024 / Rahul	05/24/2024 / Rahul	S12275

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	03/04/2025	09/04/2024 / anahy	05/30/2024 / Rahul	S12314

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	A0206540	03/13/2025	09/13/2024 / anahy	05/30/2024 / Rahul	S12315

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	A0206540	03/19/2025	09/19/2024 / anahy	05/30/2024 / Rahul	S12316

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12449

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12450

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12451

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12452

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

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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-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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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
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S11088

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Jacob Mulloy
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Certificate of Analysis

Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

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Certified By: Briana Smith

Briana Smith
Chemist

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Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

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CPI INTERNATIONAL

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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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Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
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 on 03/18/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Pentachlorophenol		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)

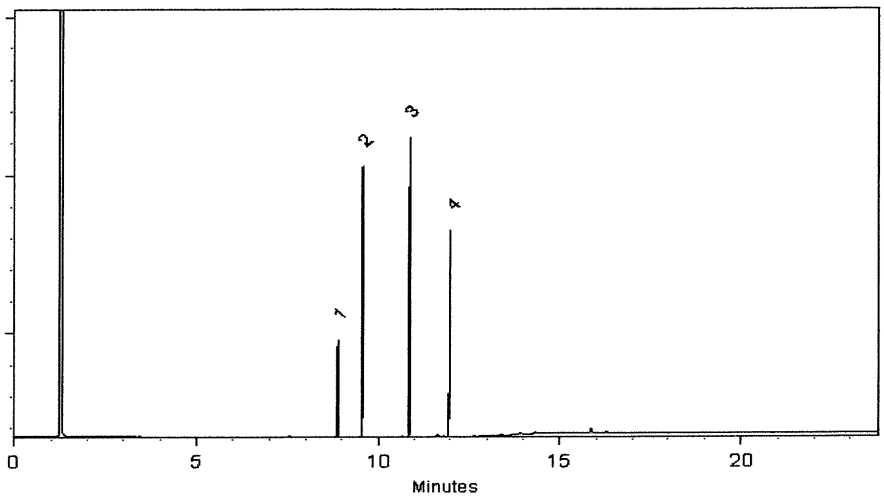
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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Gravimetric Certificate

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 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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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 07/05/22 S10583 to S10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

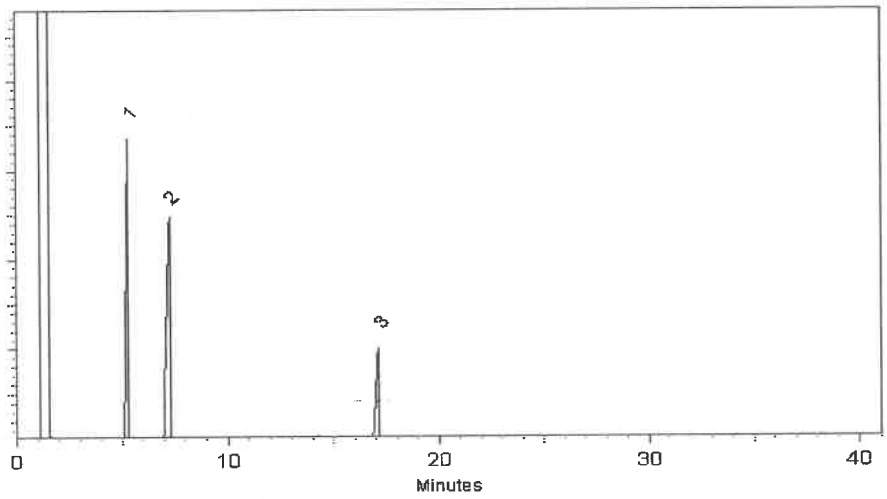
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

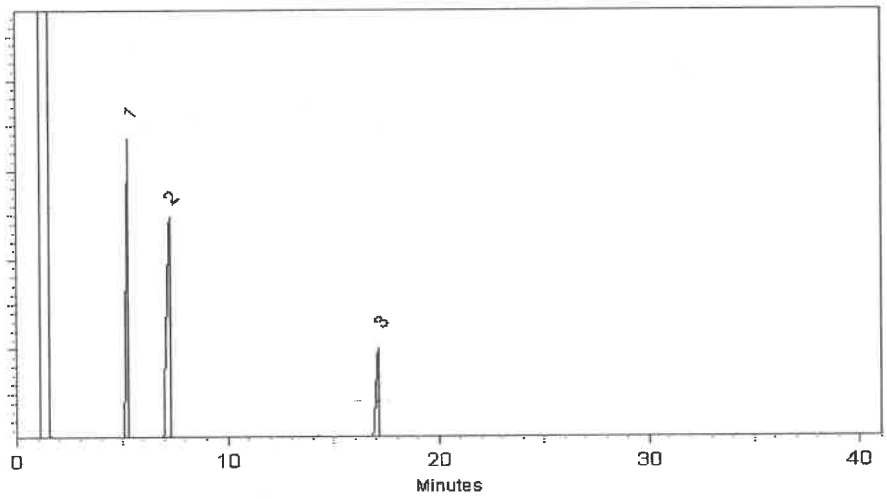
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

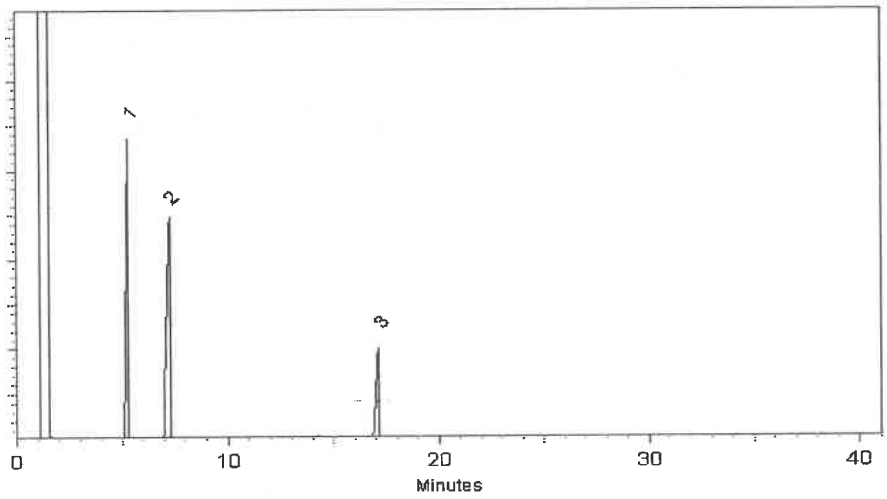
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

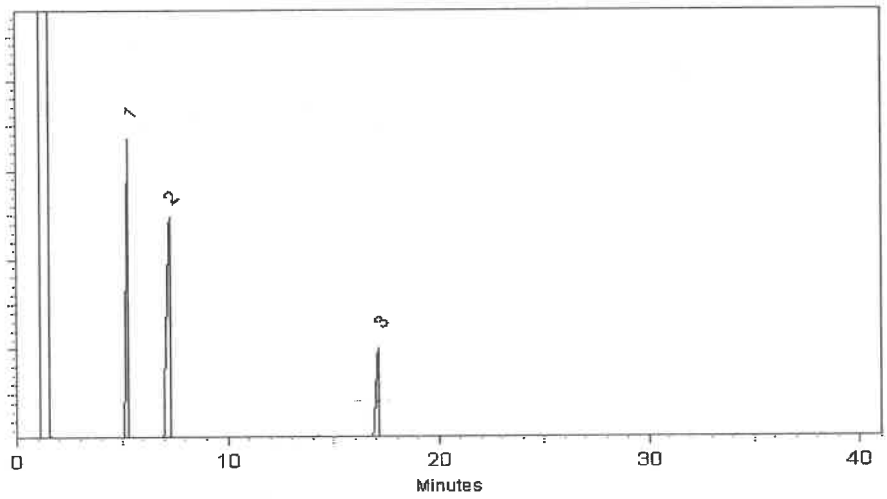
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

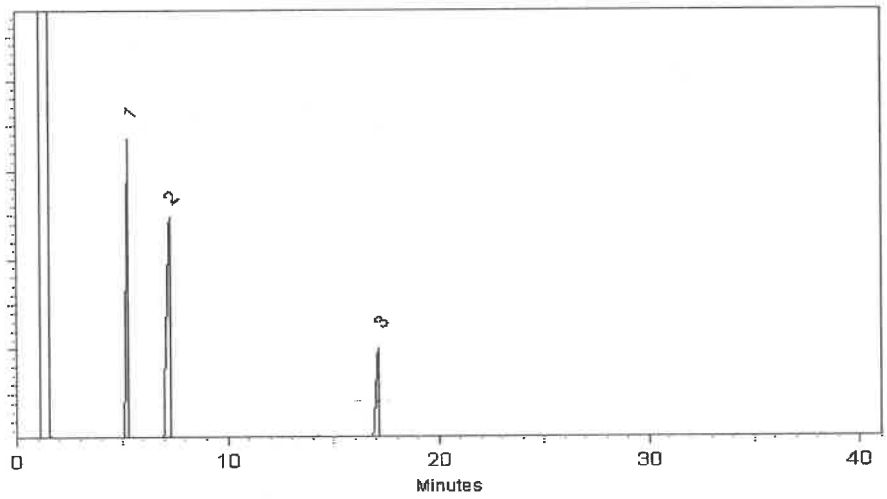
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

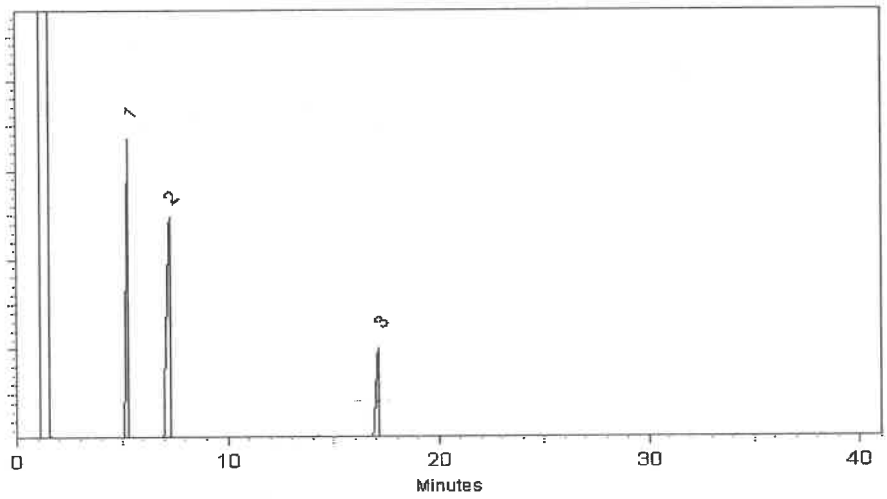
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22
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)

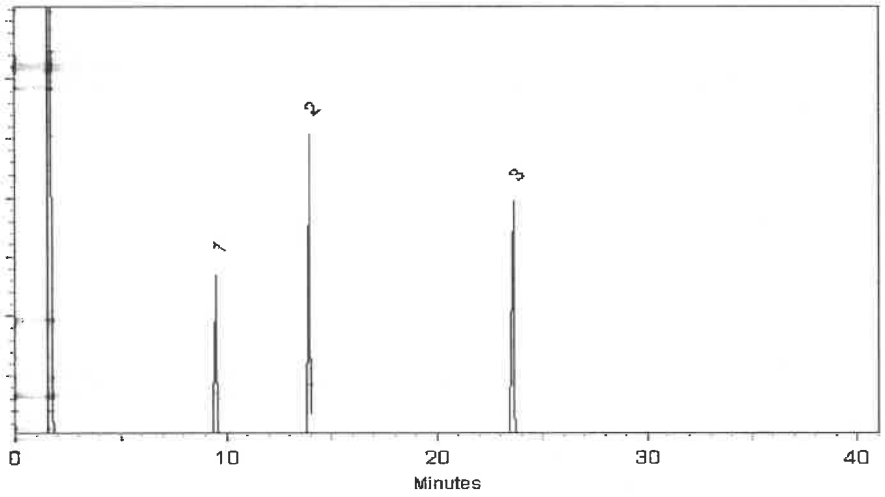
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

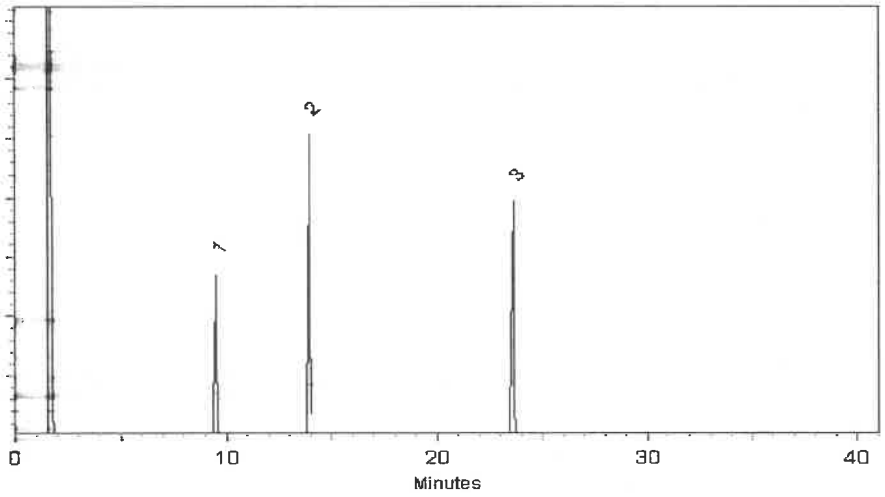
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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)

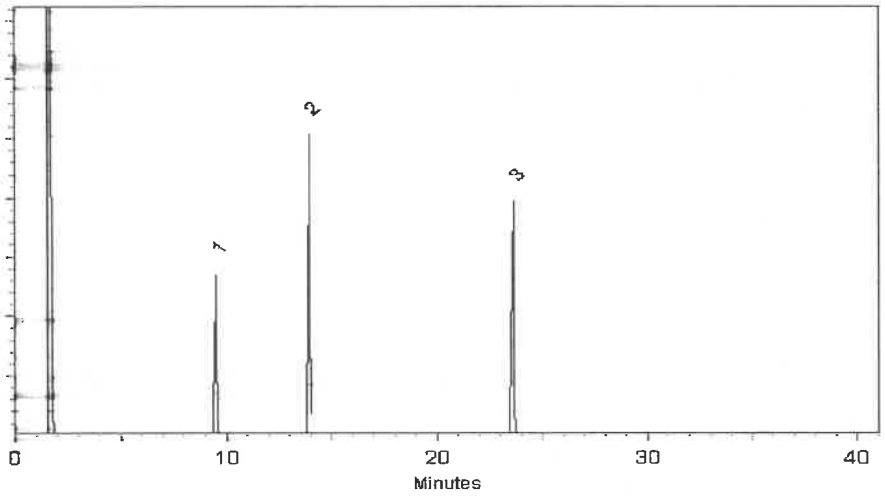
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

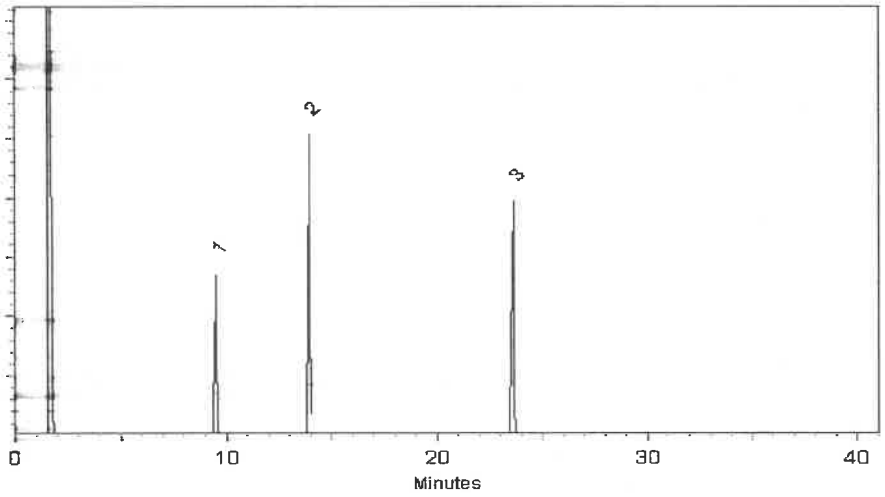
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5		5,009.8 µg/mL	+/- 29.1271 µg/mL	Gravimetric
	CAS # 4165-60-0	(Lot PR-29940A)		+/- 225.6421 µg/mL	Unstressed
	Purity 99%			+/- 250.3778 µg/mL	Stressed
2	2-Fluorobiphenyl		5,026.6 µg/mL	+/- 29.2250 µg/mL	Gravimetric
	CAS # 321-60-8	(Lot 00021384)		+/- 226.4003 µg/mL	Unstressed
	Purity 99%			+/- 251.2191 µg/mL	Stressed
3	p-Terphenyl-d14		5,027.3 µg/mL	+/- 29.2289 µg/mL	Gravimetric
	CAS # 1718-51-0	(Lot PR-30504)		+/- 226.4304 µg/mL	Unstressed
	Purity 99%			+/- 251.2524 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

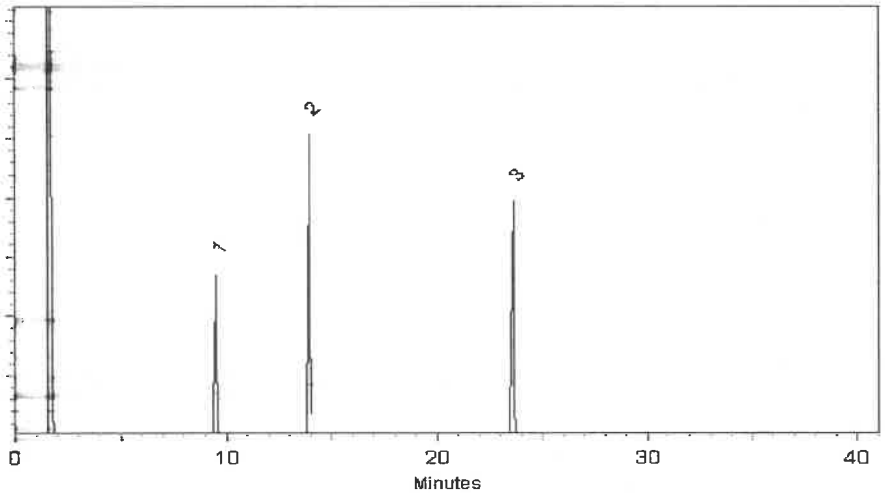
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5		5,009.8 µg/mL	+/- 29.1271 µg/mL	Gravimetric
	CAS # 4165-60-0	(Lot PR-29940A)		+/- 225.6421 µg/mL	Unstressed
	Purity 99%			+/- 250.3778 µg/mL	Stressed
2	2-Fluorobiphenyl		5,026.6 µg/mL	+/- 29.2250 µg/mL	Gravimetric
	CAS # 321-60-8	(Lot 00021384)		+/- 226.4003 µg/mL	Unstressed
	Purity 99%			+/- 251.2191 µg/mL	Stressed
3	p-Terphenyl-d14		5,027.3 µg/mL	+/- 29.2289 µg/mL	Gravimetric
	CAS # 1718-51-0	(Lot PR-30504)		+/- 226.4304 µg/mL	Unstressed
	Purity 99%			+/- 251.2524 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

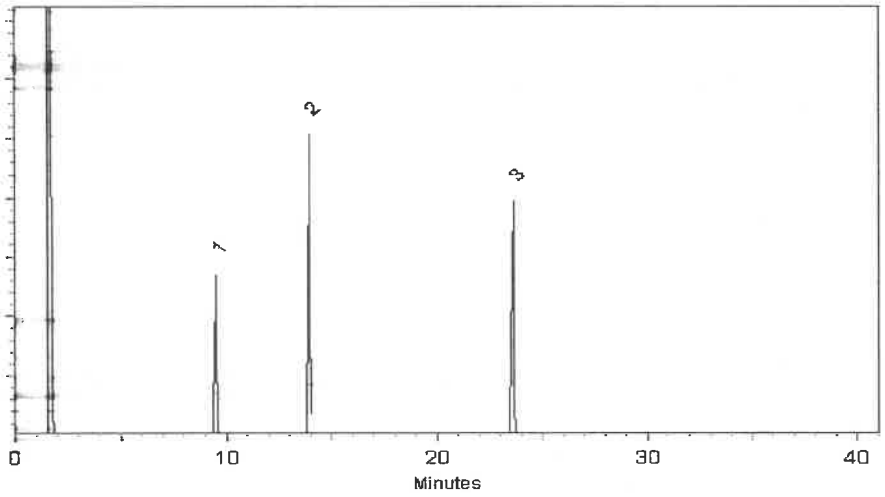
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

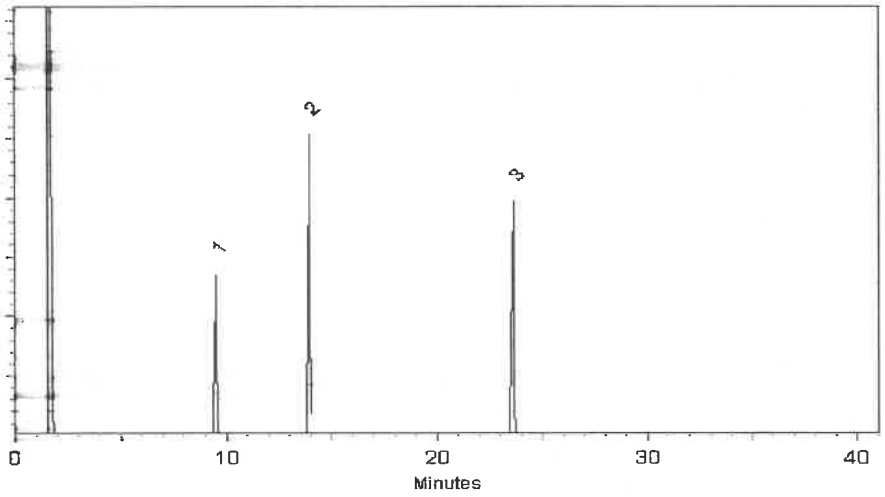
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
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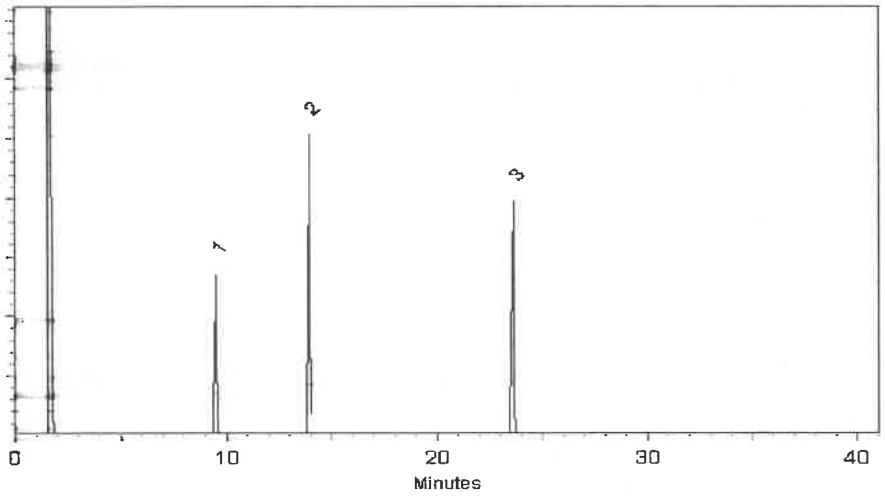

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Received on 01/13/23 by CG S11011 to S11015

Catalog No. : 555872 **Lot No.:** A0193449

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I **Date Mixed:** 11-Jan-2023 **Balance:** B442140311

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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's Registered Quality Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

ıty, concentration, and expiration of the CRM are based on the unopened product being stored according to the 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.

ıds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the ompound in solution.

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rtainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with dards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ıdes complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

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.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/24/24

E 3780

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24F1062004
Manufactured Date: 2024-04-15
Expiration Date: 2025-07-15
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	7
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D15750

E 3786

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

PO: PO2-76 PRODUCT CODE: SHIP DATE: 9/3/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24G2362009
Manufactured Date: 2024-06-10
Expiration Date: 2025-09-09
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
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: MG24F10024

E 3791

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
Page 1 of 1

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

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

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 — 7.0 / 0911

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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 } 7.6 / 0911

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 — 7.6 / 0911

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 — 7.0 / 0911

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

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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

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Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

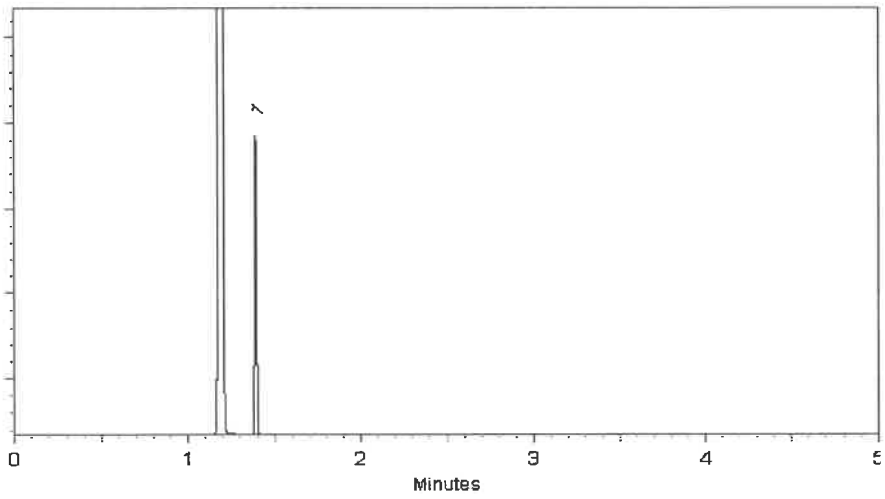
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

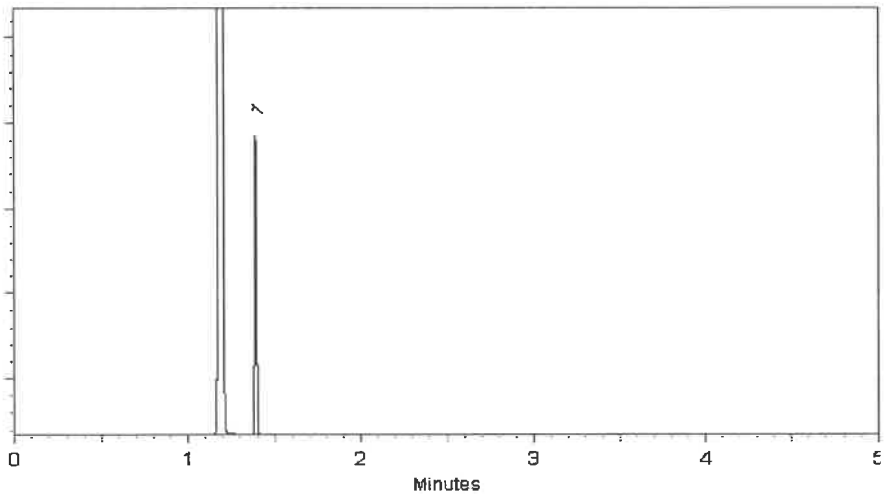
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

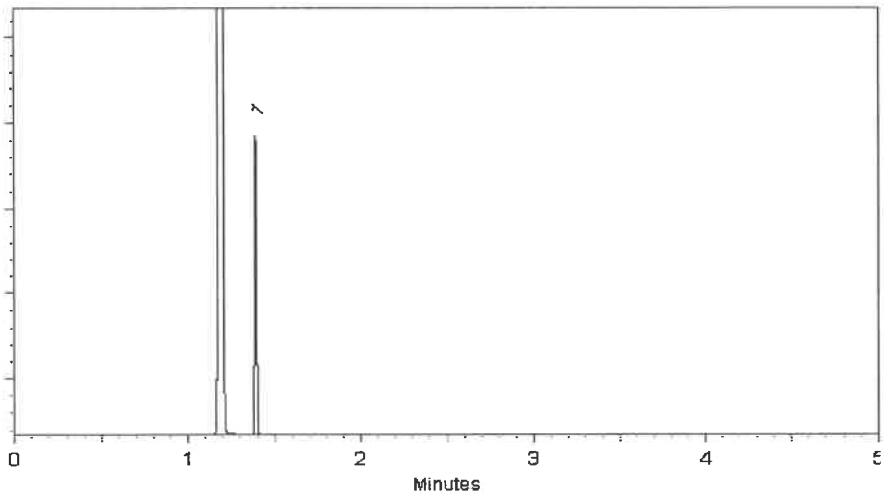
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Manufacturing Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

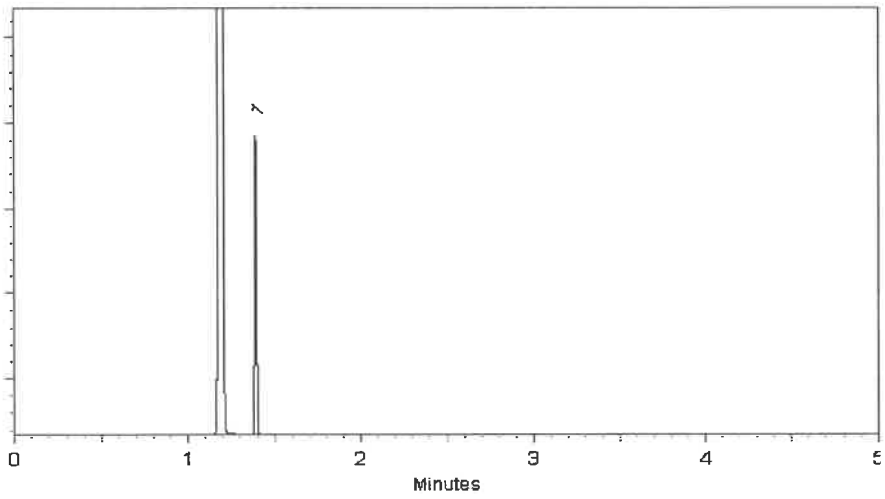
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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.)

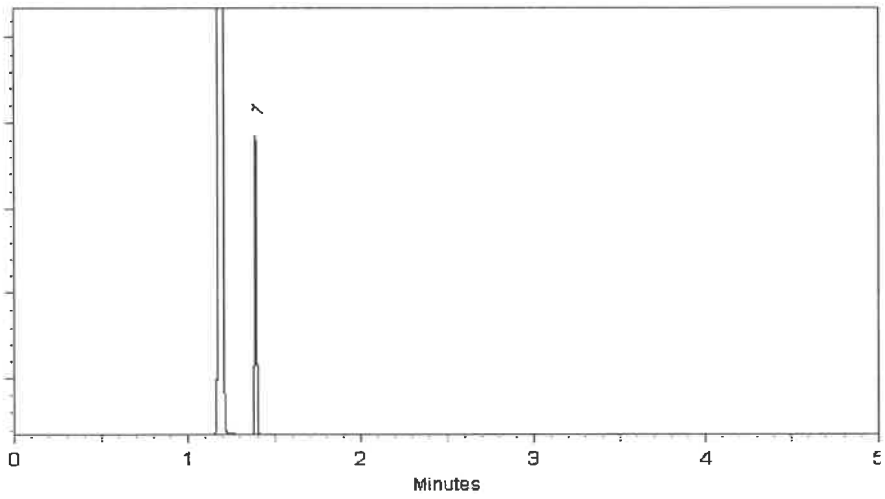
Inj. Temp:
250°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

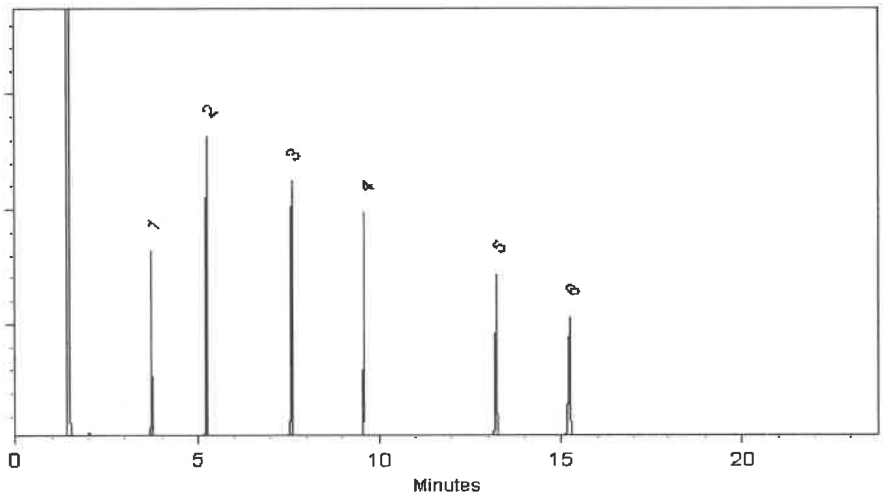
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S12013 ↓ S12042 RC 12/26/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

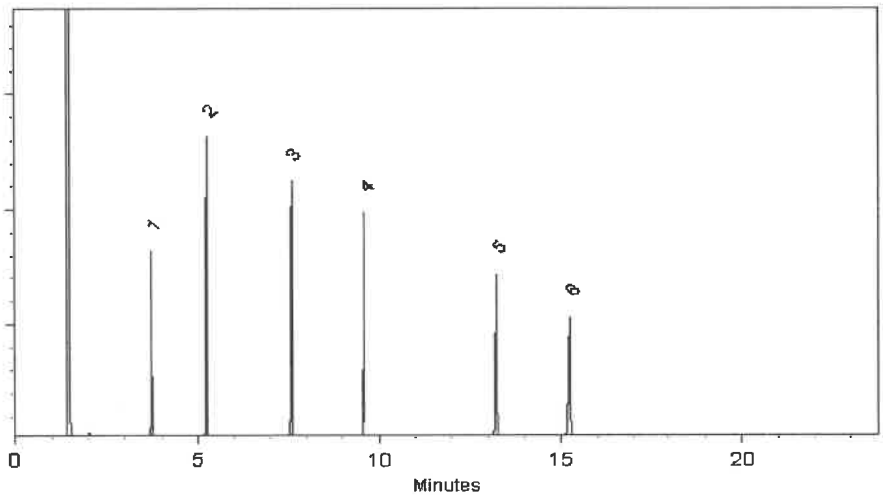
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

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Certificate of Analysis

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ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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
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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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
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Solvent: Methylene chloride
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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 555224 **Lot No.:** A0207706

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Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

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S12082 ↓ S12111 RC/ 02/22/24

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Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
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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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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%

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chromatographic plus

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

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

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

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

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%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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%

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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

S12275 ↓ S12279 } RC/ 05/24/24

*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.

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

chromatographic plus

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.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

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 : December 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%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* 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.)

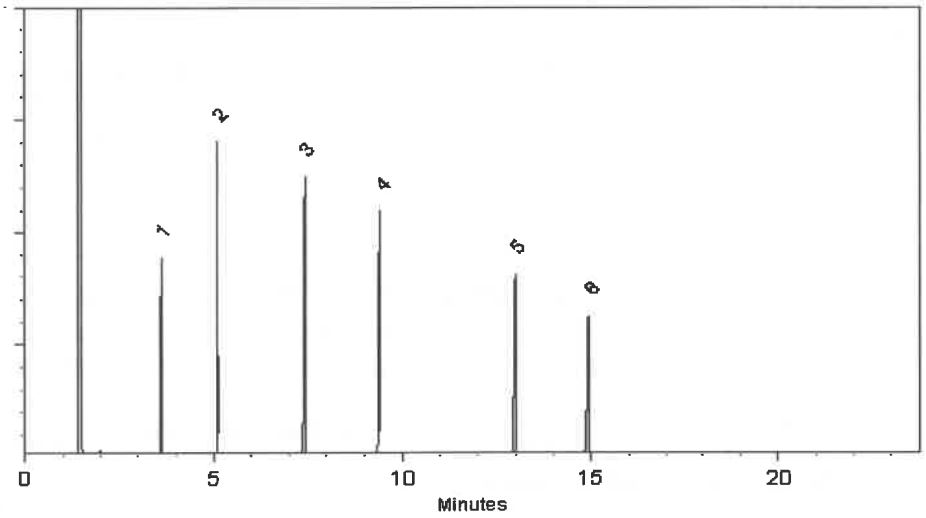
Inj. Temp:
250°C

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.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

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 : December 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%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* 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.)

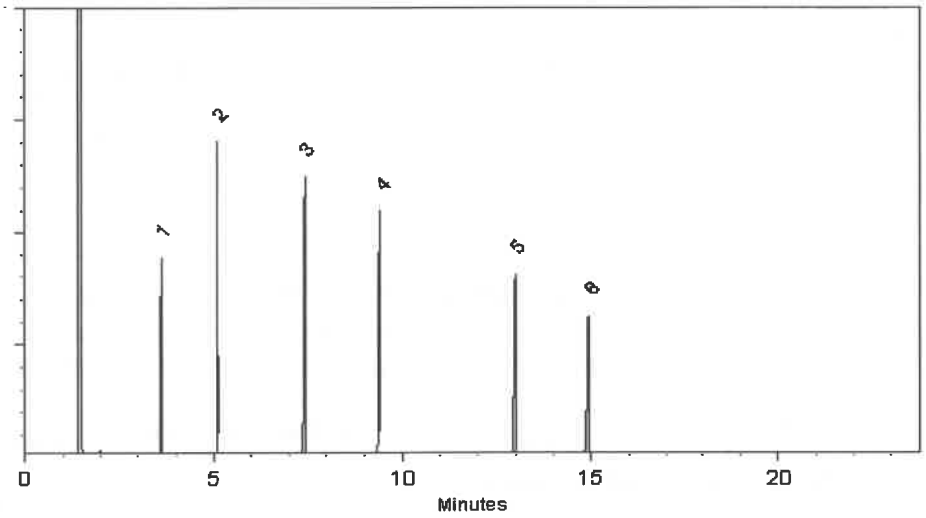
Inj. Temp:
250°C

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.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
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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

chromatographic plus

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.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

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 : December 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%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* 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.)

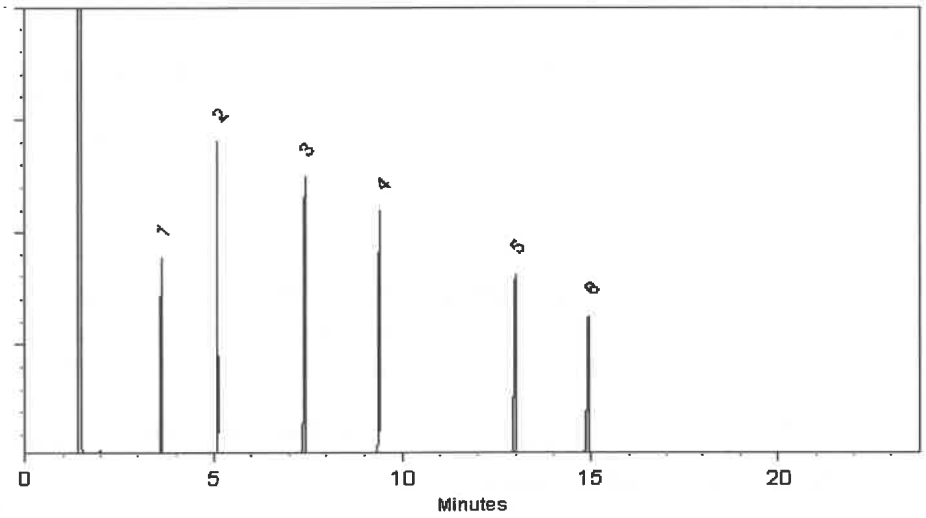
Inj. Temp:
250°C

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.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Expiration Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- Purity values are rounded to the nearest whole number.

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

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

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
09/03/2024	318988

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Ship To

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/5/2024
9:50

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240802-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0924	8259-04
1	1	0	PT-HG-WP	WP Mercury	WP0924	8259-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0924	8259-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0924	8259-06
1	1	0	PT-DEM-WP	WP Demand	WP0924	8259-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0924	8259-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0924	8259-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0924	8259-72
1	1	0	PT-SOL-WP	WP Solids	WP0924	8259-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0924	8259-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0924	8259-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0924	8259-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0924	8259-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0924	8259-13
1	1	0	PT-PH-WP	WP pH	WP0924	8259-15
1	1	0	PT-CN-WP	WP Cyanide	WP0924	8259-14
1	1	0	PT-PHEN-WP	WP Phenolics	WP0924	8259-16

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
09/03/2024	318988

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Ship To

Received by: SJ
9/5/2024
9:50

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240802-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-S2-WP	WP Sulfide	WP0924	8259-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0924	8259-17
1	1	0	PT-VSOL-WP	WP Volatile Solids	WP0924	8259-18
1	1	0	PT-TURB-WP	WP Turbidity	WP0924	8259-20
1	1	0	PT-SIO2-WP	WP Silica	WP0924	8259-21
1	1	0	PT-COL-WP	WP Color	WP0924	8259-51
1	1	0	PT-VOA-WP	WP Volatiles	WP0924	8259-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0924	8259-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0924	8259-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0924	8259-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0924	8259-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0924	8259-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0924	8259-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0924	8259-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R39151	R39151-104
1	1	0	RR-PAH-WP	WP PAH-Low Level	R39151	R39151-37
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R39151	R39151-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R39151	R39151-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R39151	R39151-98
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R39151	R39151-108

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