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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 : _____

Date: 10/21/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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

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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: **MAYUR DESAI** **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	
P3845-05	**PT-BN-WP**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group3	8270-Modified		09/12/24	09/19/24	
P3845-05DL	**PT-BN-WPDL**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group3	8270-Modified		09/12/24	09/19/24	
P3845-06	**PT-ACIDS-WP**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group2	8270E		09/12/24	09/16/24	
P3845-06DL	**PT-ACIDS-WPDL**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group2	8270E		09/12/24	09/16/24	
P3845-08	**PT-ACIDS-WP**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group4	8270-Modified		09/12/24	09/18/24	
P3845-08DL	**PT-ACIDS-WPDL**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group4	8270-Modified		09/12/24	09/18/24	
P3845-08DL2	**PT-ACIDS-WPDL2**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group4	8270-Modified		09/12/24	09/19/24	
P3845-21	**RR-PAH-WP**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group5	8270-Modified		09/12/24	09/18/24	
P3845-21DL	**RR-PAH-WPDL**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group5	8270-Modified		09/12/24	09/19/24	

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LAB CHRONICLE

P3845-22	**RR-TRIAZINE-WP**	**Water**			**09/03/24**			**09/05/24**
			SVOCMS Group6	8270E		09/12/24	09/23/24	

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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 :	**RR-TRIAZINE-WP**							
P3845-22	RR-TRIAZINE-WP	WATER	Atrazine	21.400		1.3	5	ug/L
			Total Svoc :	**21.40**				
			Total Concentration:	**21.40**				

QC SUMMARY

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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
P3845-22	RR-TRIAZINE-WP	Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	114	114		52	132
		Terphenyl-d14	100	136	136	*	48	125
PB163318BL	PB163318BL	Nitrobenzene-d5	100	78.0	78		49	133
		2-Fluorobiphenyl	100	76.7	77		52	132
		Terphenyl-d14	100	95.1	95		48	125
PB163318BS	PB163318BS	Nitrobenzene-d5	100	96.1	96		49	133
		2-Fluorobiphenyl	100	95.8	96		52	132
		Terphenyl-d14	100	111	111		48	125
PB163318BSD	PB163318BSD	Nitrobenzene-d5	100	96.5	96		49	133
		2-Fluorobiphenyl	100	96.9	97		52	132
		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	RPD
PB163318BS	Atrazine	50	51.5	ug/L	103				76	120	

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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	Atrazine	50	52.1	ug/L	104	1			76	120	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
RR-TRIAZINE-WP	P3845-22	BM047601.D	09/23/2024

COMMENTS:

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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: 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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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: BM047580.D DFTPP Injection Date: 09/20/2024

Instrument ID: BNA_M DFTPP Injection Time: 08:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.7
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	45.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	55.2
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	6.9
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	2.7
441	Present, but less than mass 443	8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.7 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM047581.D	09/20/2024	09:40
SSTDICC005	SSTDICC005	BM047582.D	09/20/2024	10:20
SSTDICC010	SSTDICC010	BM047583.D	09/20/2024	11:00
SSTDICC020	SSTDICC020	BM047584.D	09/20/2024	11:39
SSTDICCC040	SSTDICCC040	BM047585.D	09/20/2024	12:19
SSTDICC050	SSTDICC050	BM047586.D	09/20/2024	12:58
SSTDICC060	SSTDICC060	BM047587.D	09/20/2024	13:38
SSTDICC080	SSTDICC080	BM047588.D	09/20/2024	14:17

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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: BM047597.D DFTPP Injection Date: 09/23/2024

Instrument ID: BNA_M DFTPP Injection Time: 08:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.3
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	50.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	22.4
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	7.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.4 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM047598.D	09/23/2024	09:42
RR-TRIAZINE-WP	P3845-22	BM047601.D	09/23/2024	11:43

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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.

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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: 09/23/2024

Lab File ID: BM047598.D Time Analyzed: 09:42

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	308343	7.845	1217070	10.64	646829	14.47
	UPPER LIMIT	616686	8.345	2434140	11.139	1293660	14.974
	LOWER LIMIT	154172	7.345	608535	10.139	323415	13.974
	EPA SAMPLE NO.						
01	RR-TRIAZINE-WP	260539	7.84	961904	10.63	453032	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: 09/23/2024

Lab File ID: BM047598.D Time Analyzed: 09:42

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1210250	17.209	1086930	21.433	1099780	24.456
	UPPER LIMIT	2420500	17.709	2173860	21.933	2199560	24.956
	LOWER LIMIT	605125	16.709	543465	20.933	549890	23.956
	EPA SAMPLE NO.						
01	RR-TRIAZINE-WP	806425	17.20	573772	21.43	644450	24.45

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.

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BM047601.D**

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:	RR-TRIAZINE-WP	SDG No.:	P3845
Lab Sample ID:	P3845-22	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047601.D	1	09/12/24 08:40	09/23/24 11:43	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1912-24-9	Atrazine	21.4		1.30	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	114		52 - 132	114%	SPK: 100
1718-51-0	Terphenyl-d14	136	*	48 - 125	136%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	261000	7.84			
1146-65-2	Naphthalene-d8	962000	10.634			
15067-26-2	Acenaphthene-d10	453000	14.469			
1517-22-2	Phenanthrene-d10	806000	17.204			
1719-03-5	Chrysene-d12	574000	21.427			
1520-96-3	Perylene-d12	644000	24.45			

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\BM092324\
Data File : BM047601.D
Acq On : 23 Sep 2024 11:43
Operator : RC/JU
Sample : P3845-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Quant Time: Sep 23 12:31:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

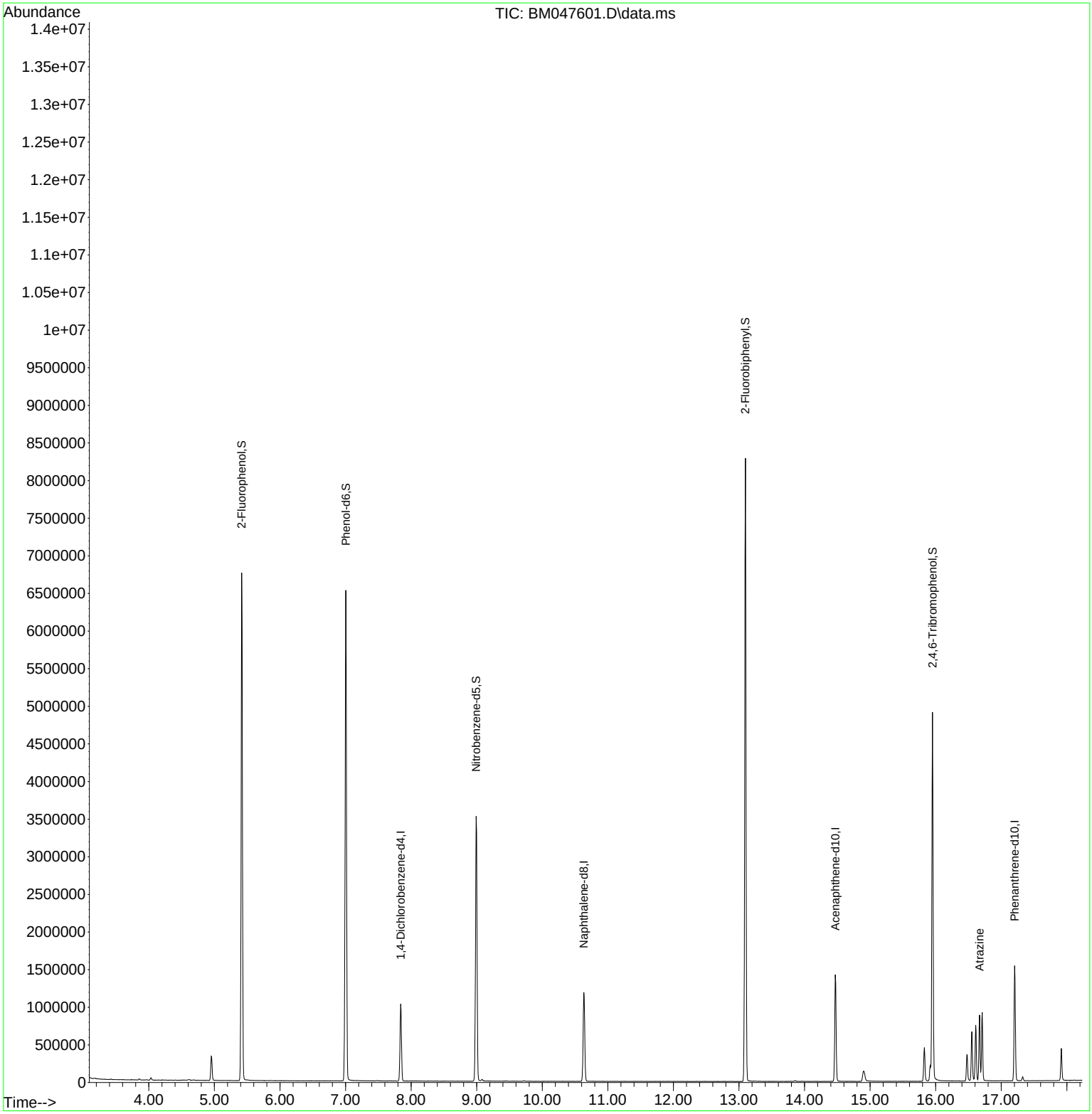
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	260539	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	961904	20.000	ng	0.00
39) Acenaphthene-d10	14.469	164	453032	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	806425	20.000	ng	0.00
76) Chrysene-d12	21.427	240	573772	20.000	ng	-0.01
86) Perylene-d12	24.450	264	644450	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	2674156	157.289	ng	0.00
7) Phenol-d6	7.004	99	3424961	152.888	ng	0.00
23) Nitrobenzene-d5	8.993	82	1998964	103.450	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	604557	144.116	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	3663225	114.415	ng	0.00
79) Terphenyl-d14	19.821	244	4350820	136.057	ng	0.00
Target Compounds						Qvalue
69) Atrazine	16.668	200	123987	21.383	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047601.D
Acq On : 23 Sep 2024 11:43
Operator : RC/JU
Sample : P3845-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

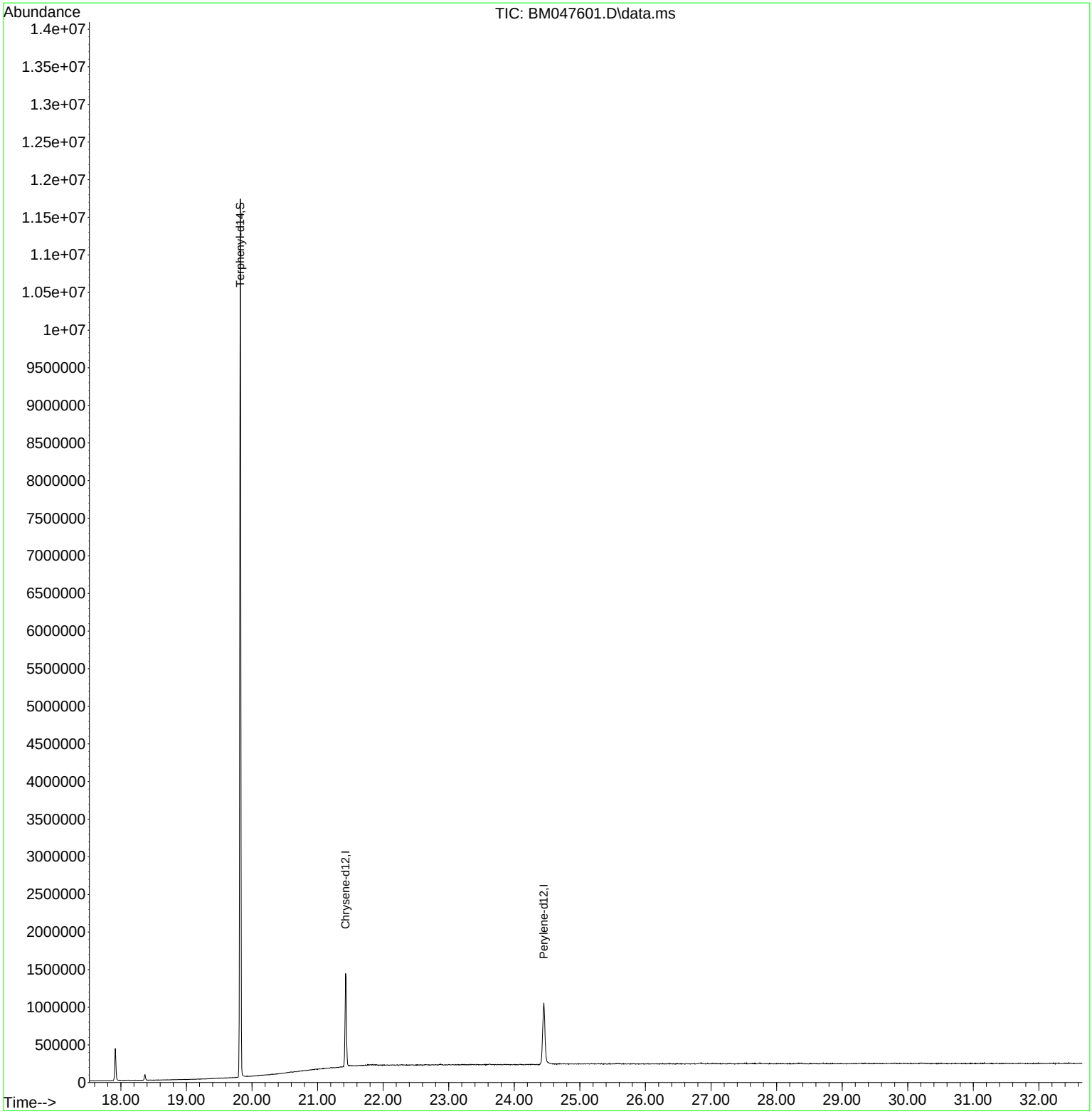
Quant Time: Sep 23 12:31:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

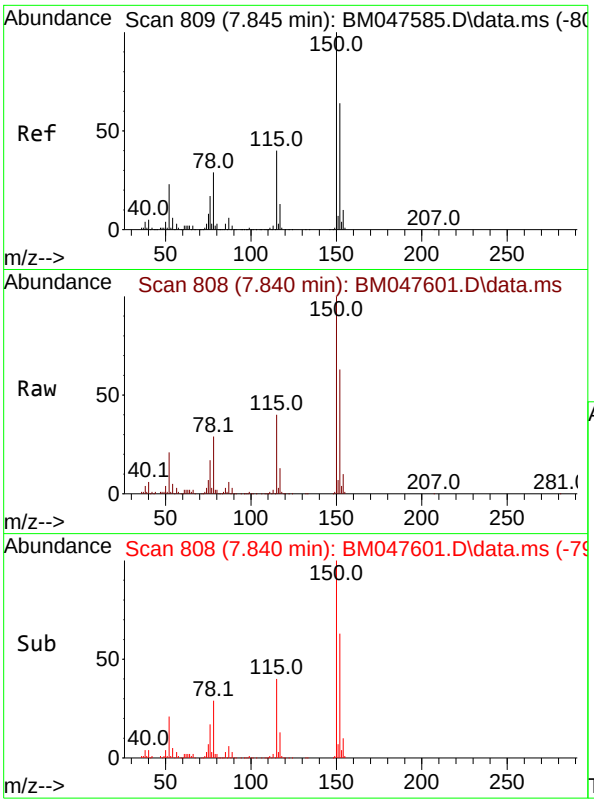


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047601.D
Acq On : 23 Sep 2024 11:43
Operator : RC/JU
Sample : P3845-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Quant Time: Sep 23 12:31:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration



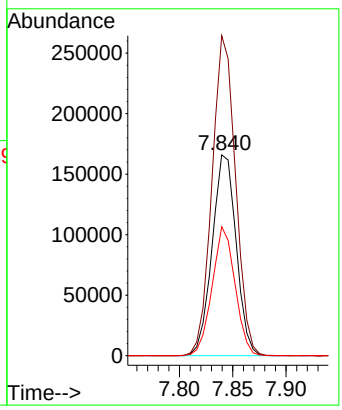


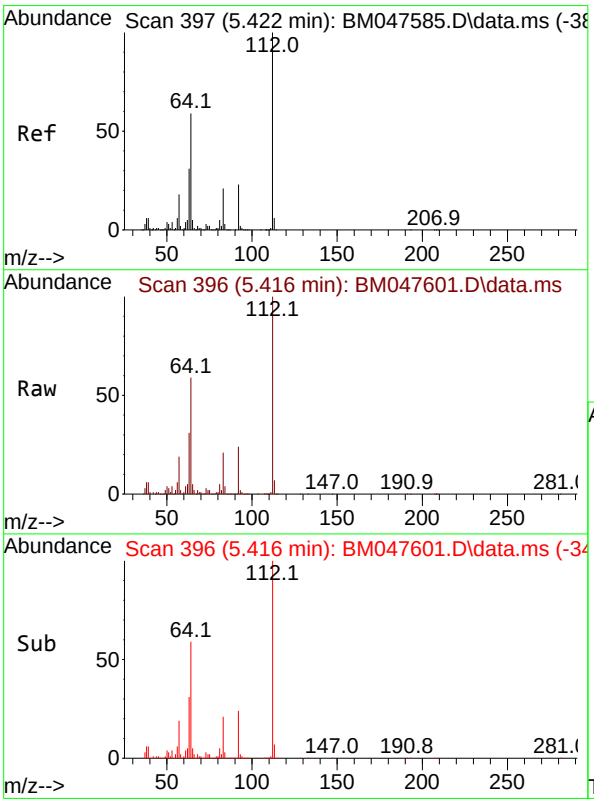
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Tgt Ion:152 Resp: 260539

Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.5	186.7
115	64.2	49.9	74.9

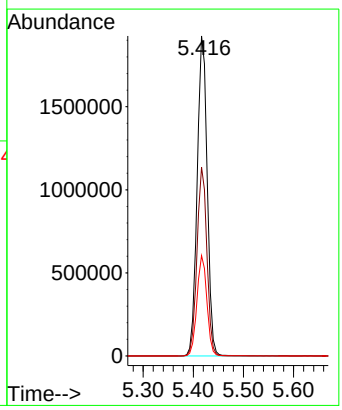


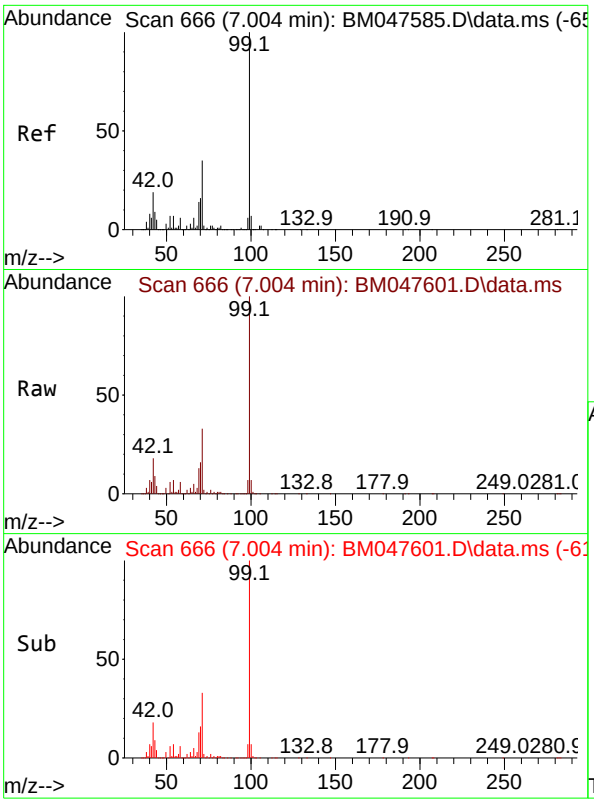


#5
2-Fluorophenol
Concen: 157.289 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Tgt Ion:112 Resp: 2674156

Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.8	70.2
63	31.3	25.2	37.8



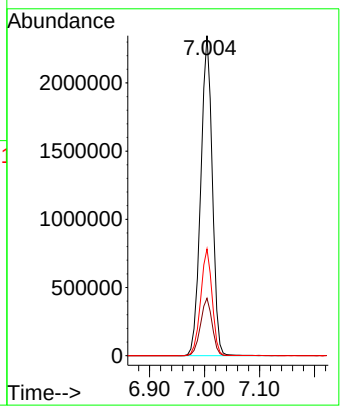


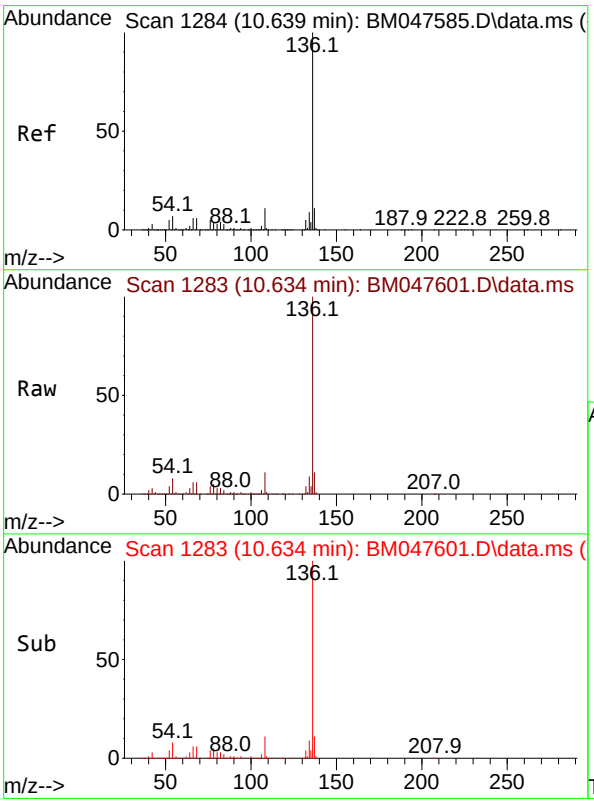
#7
Phenol-d6
Concen: 152.888 ng
RT: 7.004 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Tgt Ion: 99 Resp: 3424961

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.3	22.9
71	33.3	27.8	41.6

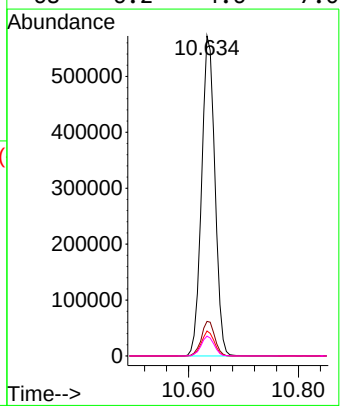


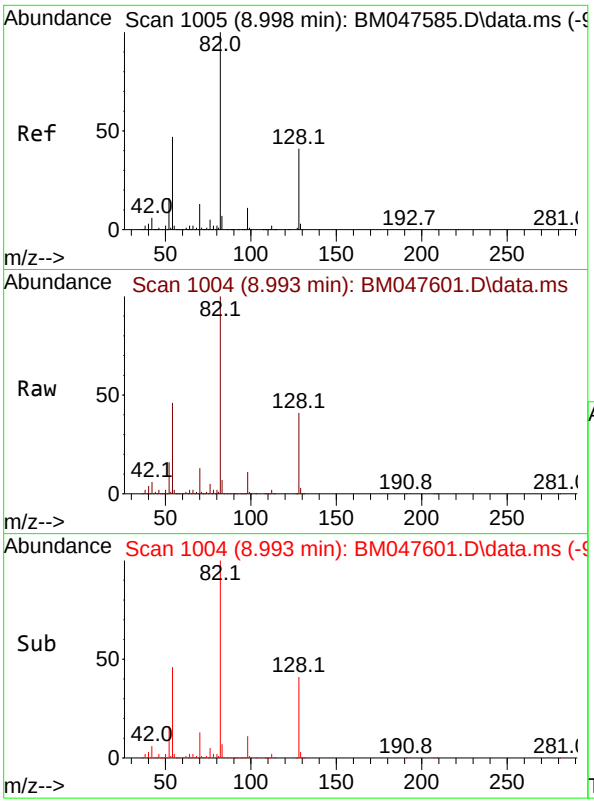


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Tgt Ion:136 Resp: 961904

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.8	6.0	9.0
68	6.2	4.6	7.0



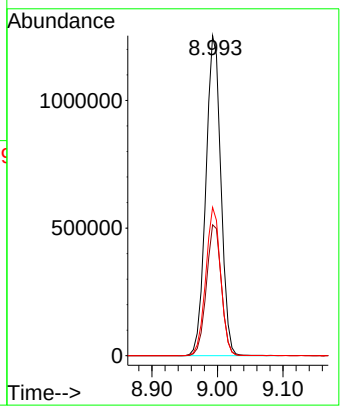


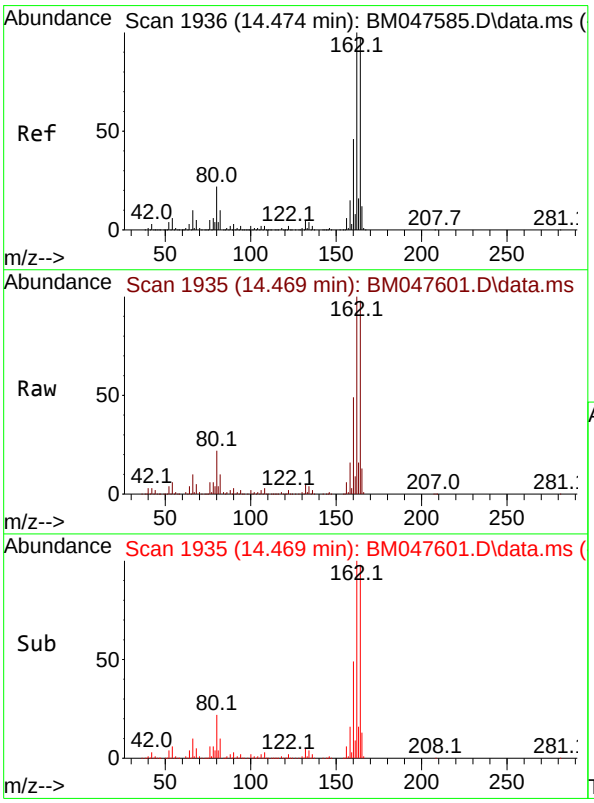
#23
Nitrobenzene-d5
Concen: 103.450 ng
RT: 8.993 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Tgt Ion: 82 Resp: 1998964

Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.5	48.7
54	46.3	37.5	56.3

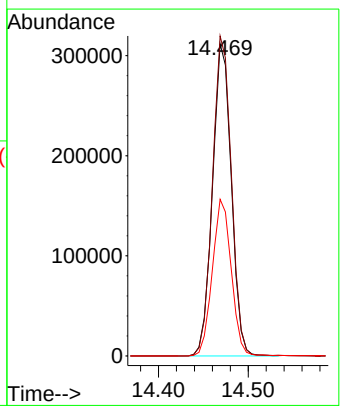


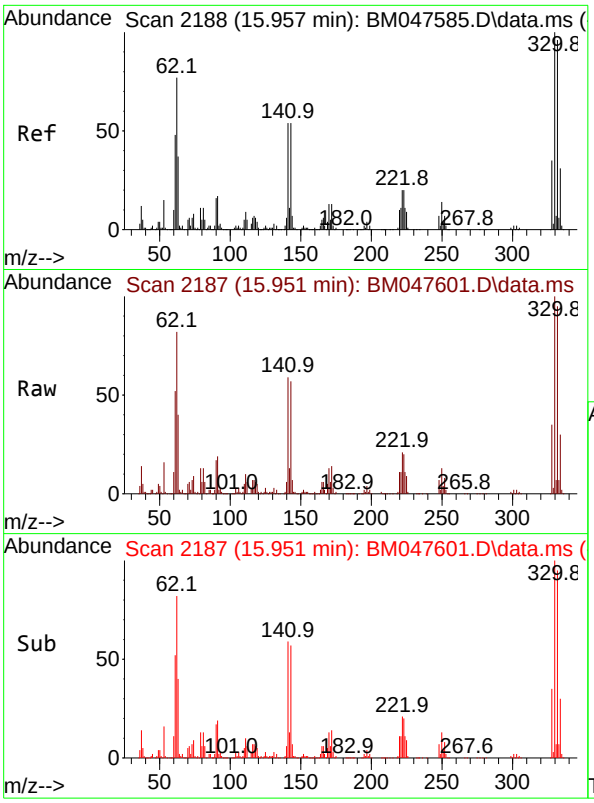


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Tgt Ion:164 Resp: 453032

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	50.2	37.8	56.6



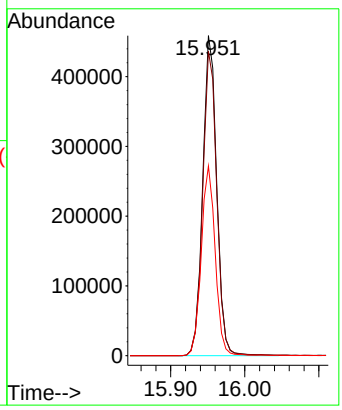


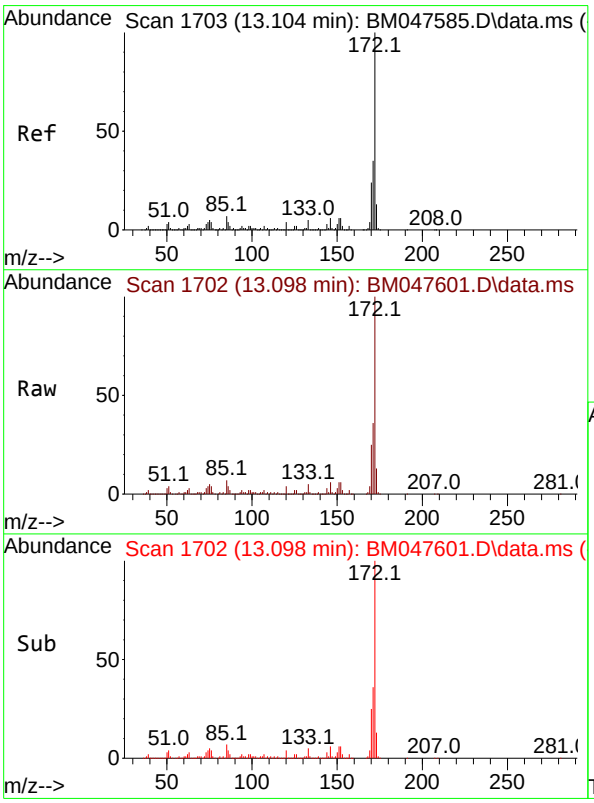
#42
2,4,6-Tribromophenol
Concen: 144.116 ng
RT: 15.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Tgt Ion:330 Resp: 604557

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.4
141	59.1	45.9	68.9

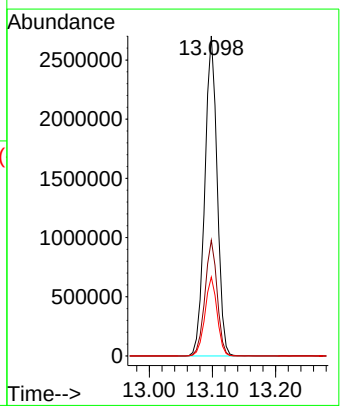


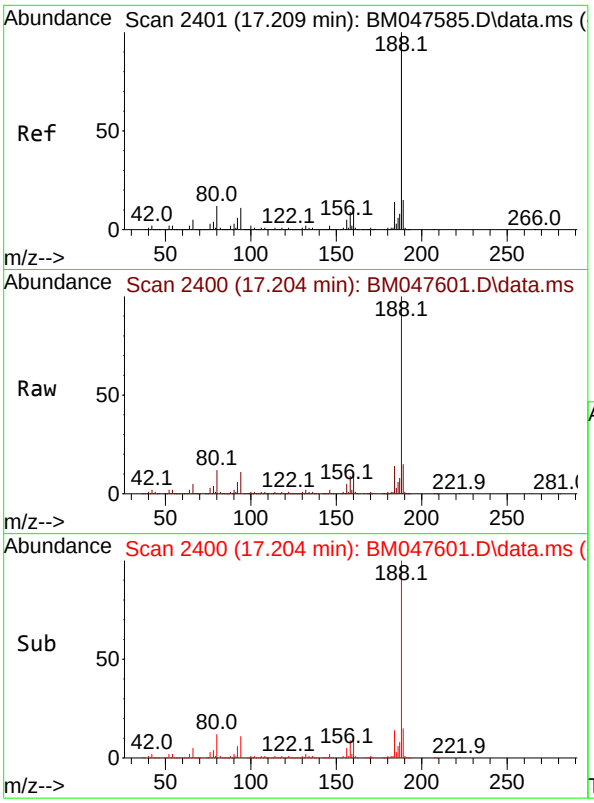


#45
2-Fluorobiphenyl
Concen: 114.415 ng
RT: 13.098 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Tgt Ion:172 Resp: 3663225

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.1	42.1
170	24.6	19.0	28.6



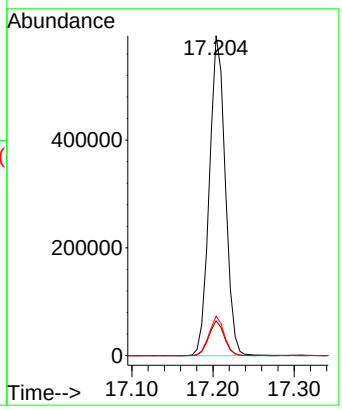


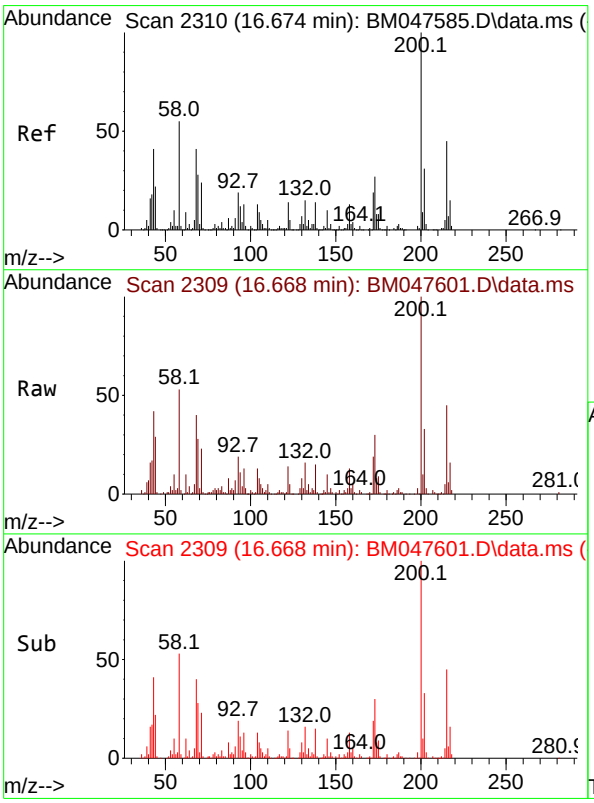
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Tgt Ion:188 Resp: 806425

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.4	9.9	14.9

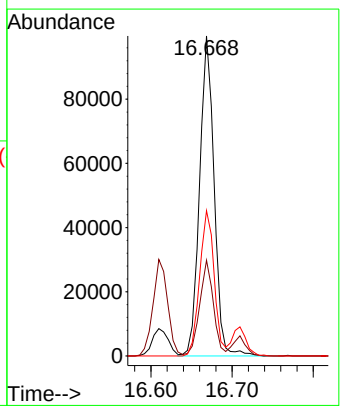


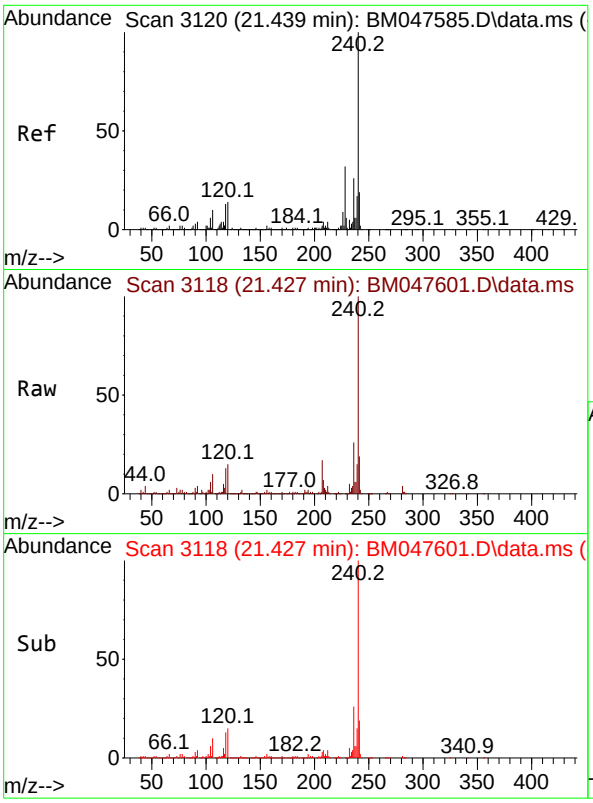


#69
Atrazine
Concen: 21.383 ng
RT: 16.668 min Scan# 2309
Delta R.T. -0.006 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Tgt Ion:200 Resp: 123987

Ion	Ratio	Lower	Upper
200	100		
173	29.9	7.4	47.4
215	45.4	24.5	64.5



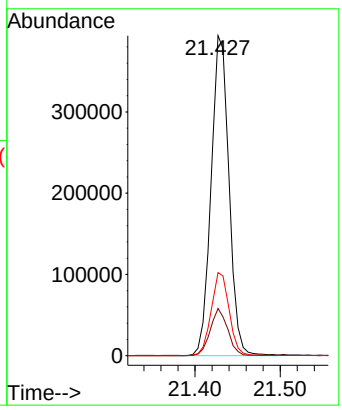


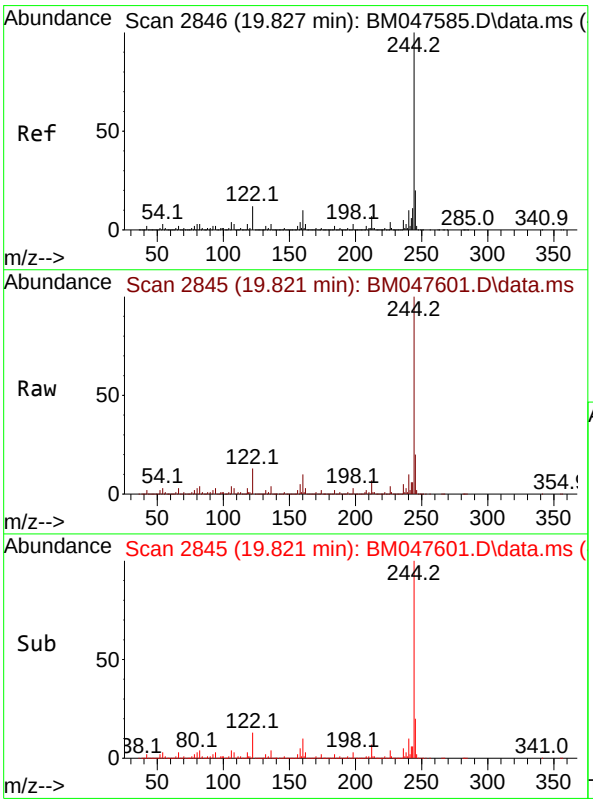
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Tgt Ion:240 Resp: 573772

Ion	Ratio	Lower	Upper
240	100		
120	14.8	10.8	16.2
236	25.9	20.8	31.2

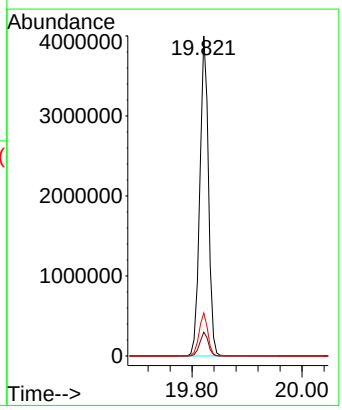


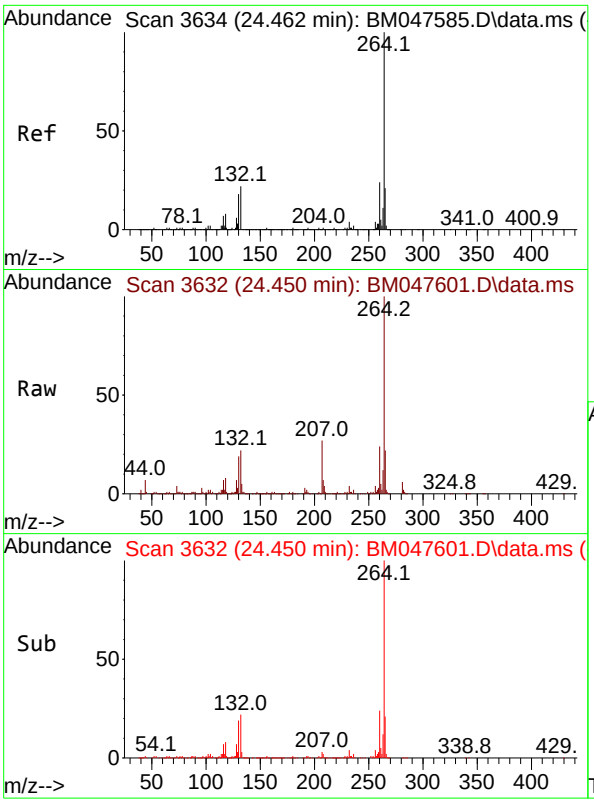


#79
Terphenyl-d14
Concen: 136.057 ng
RT: 19.821 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Tgt Ion:244 Resp: 4350820

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.4	10.0	15.0



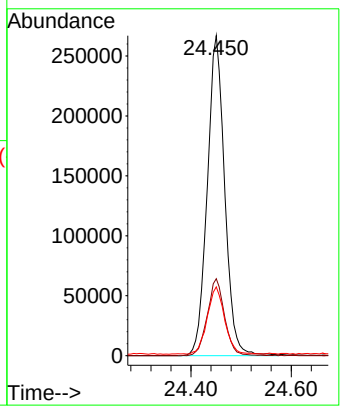


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.450 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047601.D
Acq: 23 Sep 2024 11:43

Instrument :
BNA_M
ClientSampleId :
RR-TRIAZINE-WP

Tgt Ion:264 Resp: 644450

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.5	17.0	25.6



CALIBRATION SUMMARY

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

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

Instrument ID: BNA_M Calibration Date(s): 09/14/2024 09/14/2024

Calibration Time(s): 11:57 16:34

LAB FILE ID: RRF2.5 = BM047520.D RRF005 = BM047521.D RRF010 = BM047522.D
RRF020 = BM047523.D RRF040 = BM047524.D RRF050 = BM047525.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.216	1.208	1.228	1.244	1.245	1.256	4.0
Phenol-d6		1.632	1.623	1.717	1.795	1.809	1.769	6.6
Nitrobenzene-d5		0.387	0.384	0.400	0.406	0.400	0.400	2.8
2-Fluorobiphenyl		1.331	1.295	1.385	1.515	1.523	1.452	8.0
2,4,6-Tribromophenol		0.149	0.159	0.177	0.202	0.211	0.193	16.7
Atrazine		0.149	0.155	0.169	0.178	0.174	0.169	7.5
Terphenyl-d14		0.989	1.037	1.142	1.256	1.239	1.116	13.2

All other compounds must meet a minimum RRF of 0.010.

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

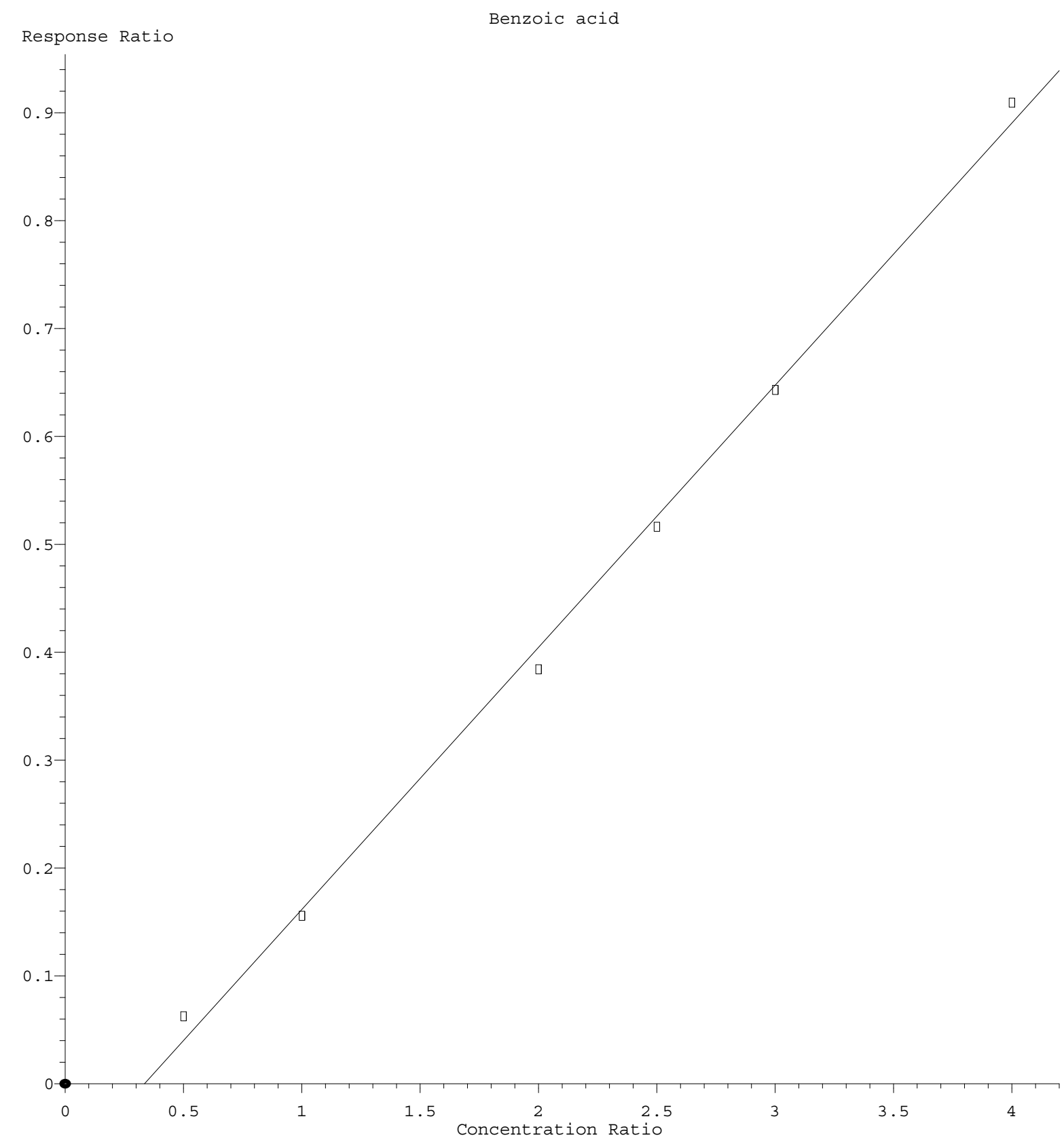
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M

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

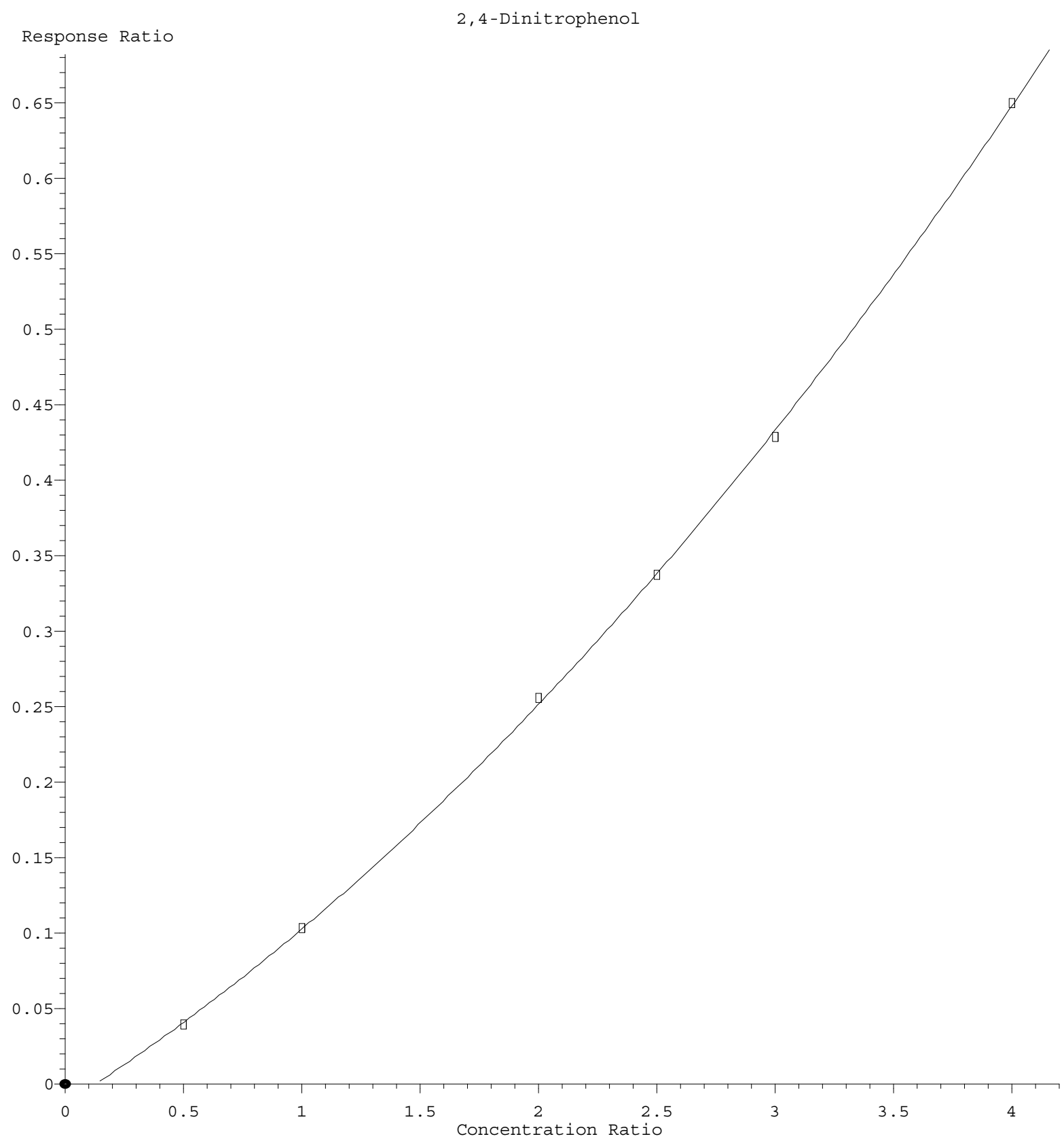
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M

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

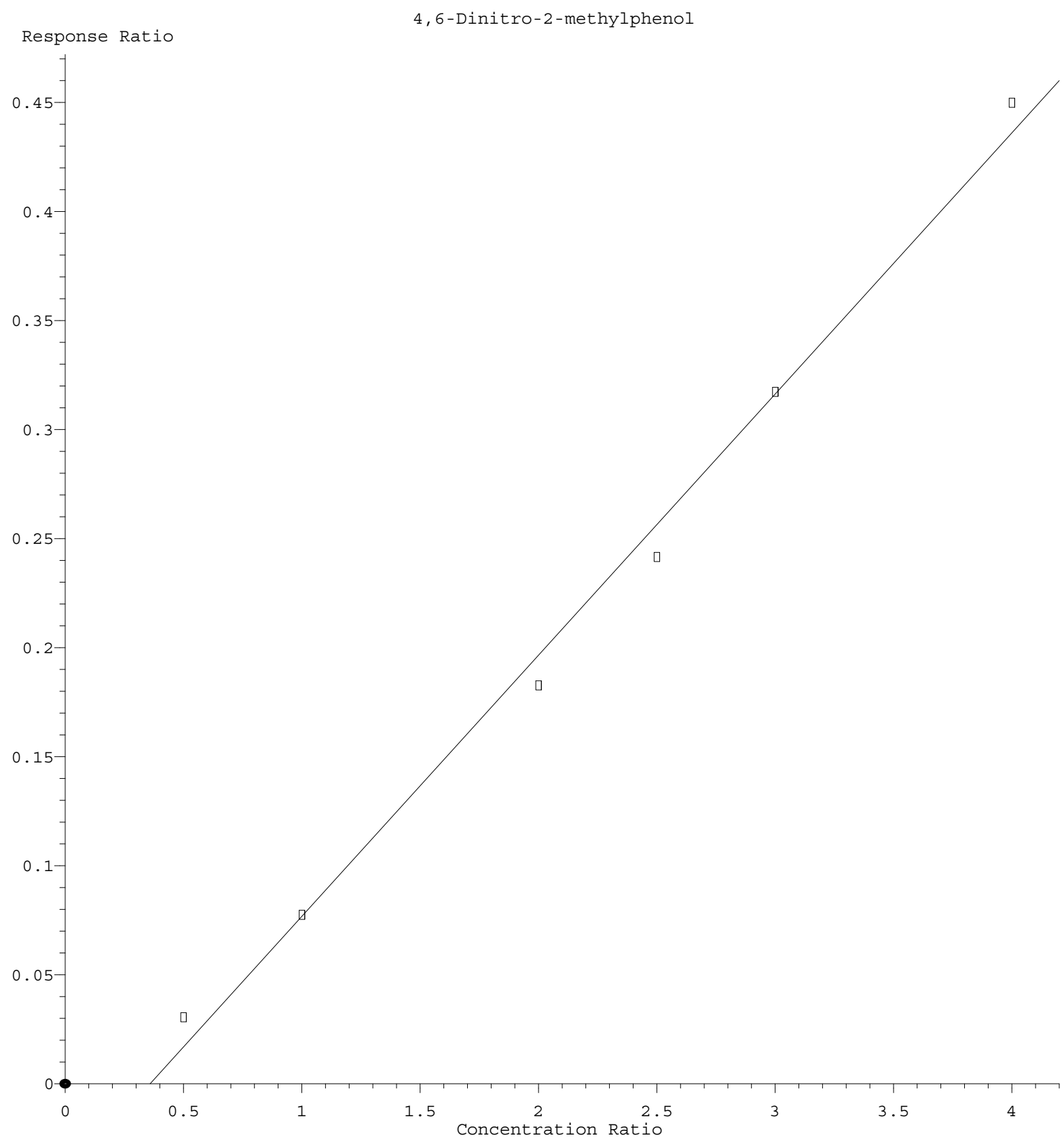
(#) = Out of Range



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

Quantitation Report (QT Reviewed)

ICAL Form

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

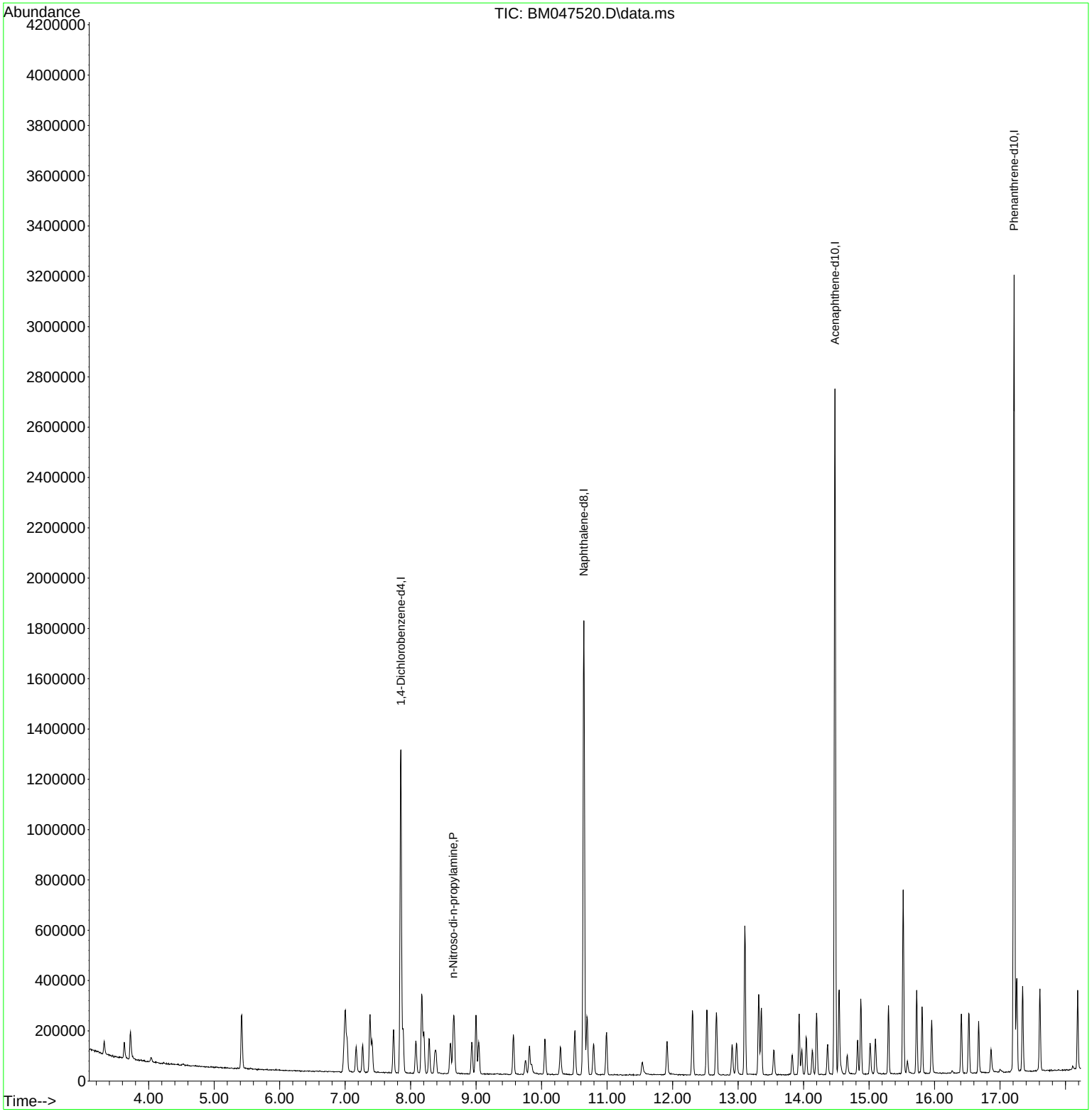
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

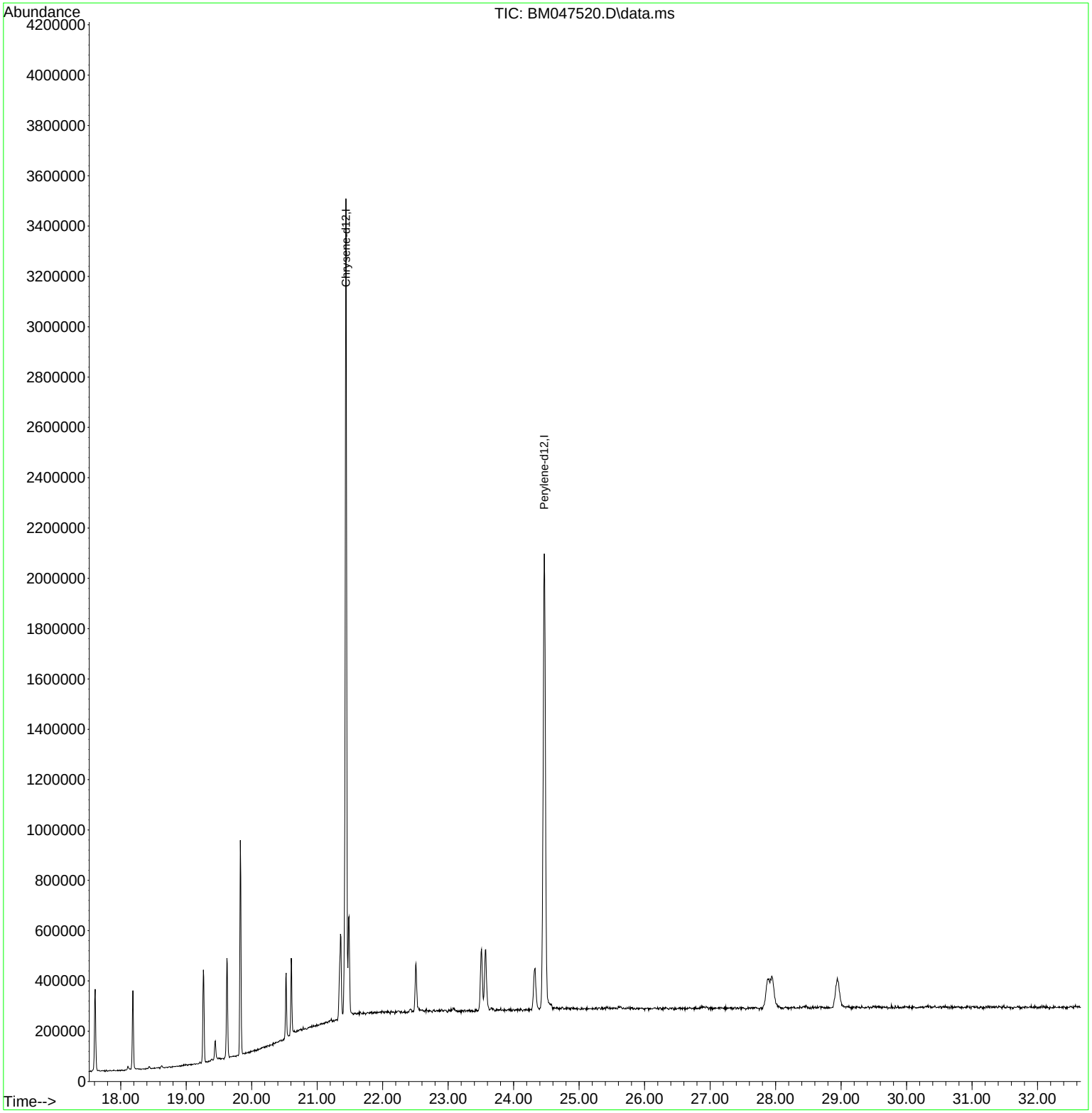


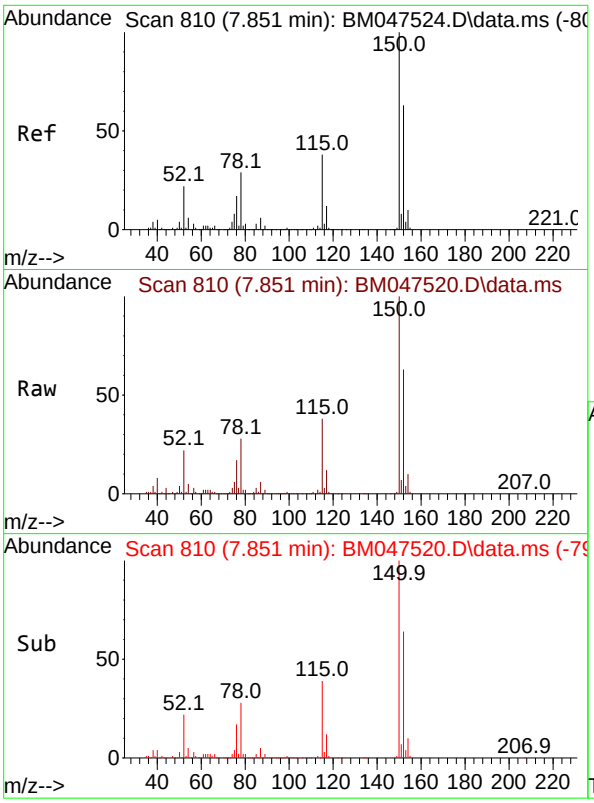
ICAL Form

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



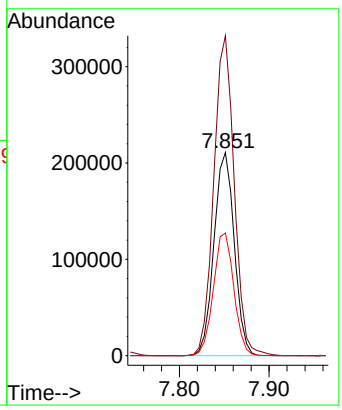


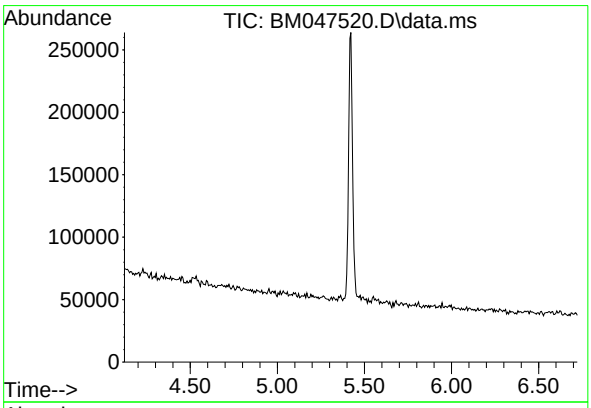
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

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



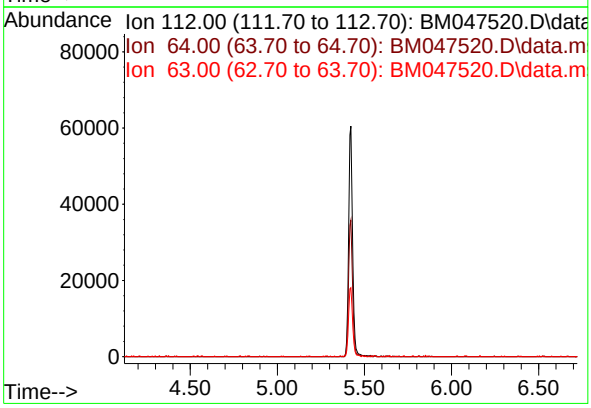


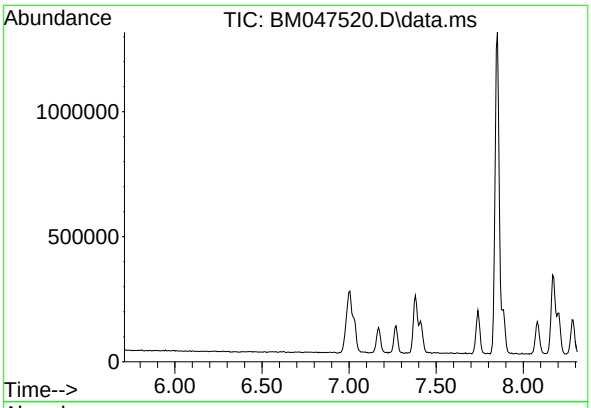
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.42 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.3
63	32.5





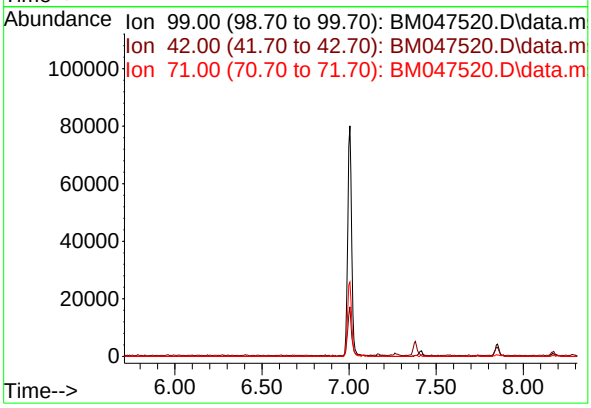
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.01 min

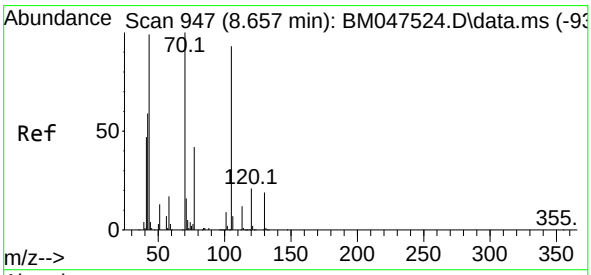
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

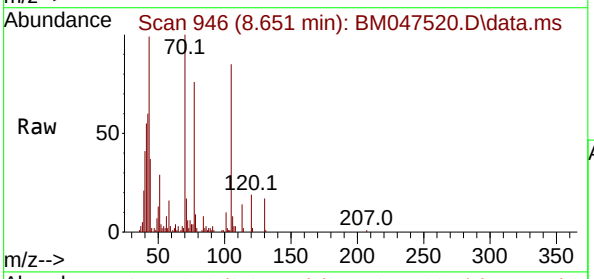
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

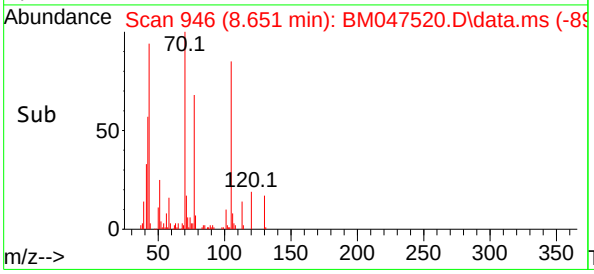
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	19.8
71	34.5





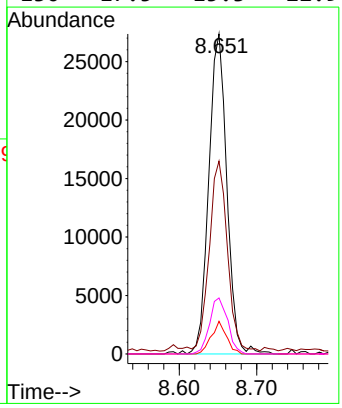


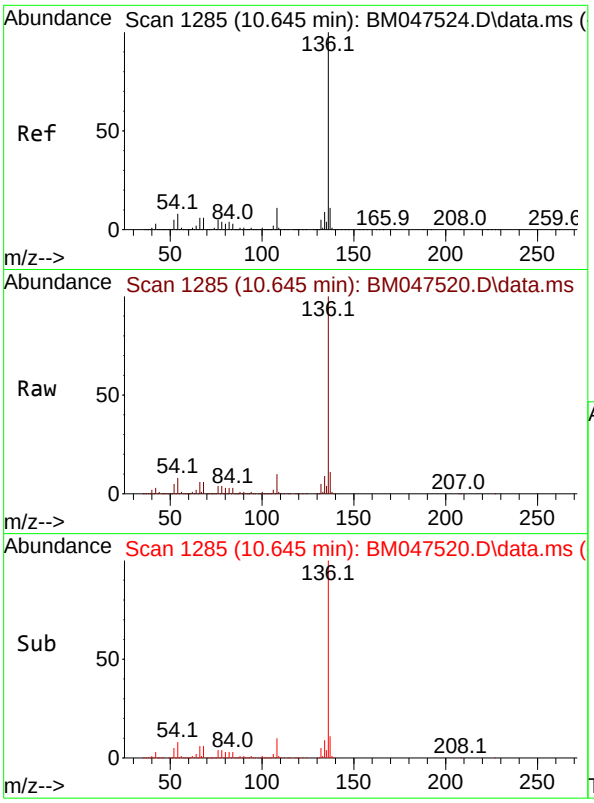


#19
n-Nitroso-di-n-propylamine
Concen: 2.927 ng
RT: 8.651 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

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



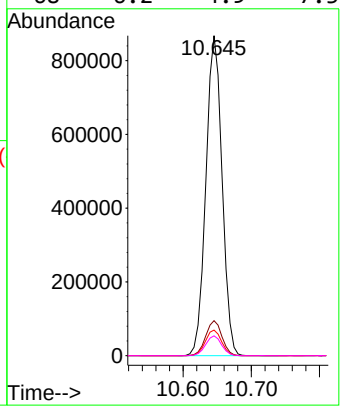


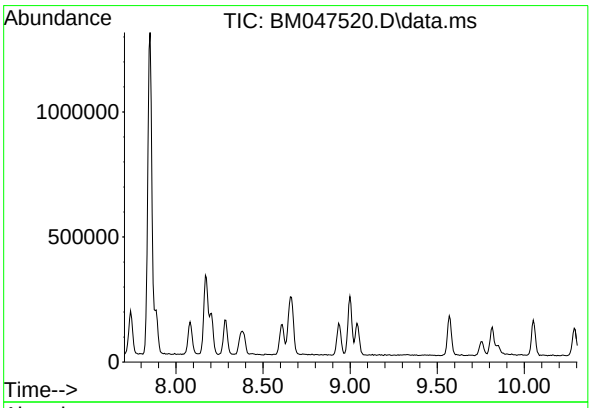
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

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



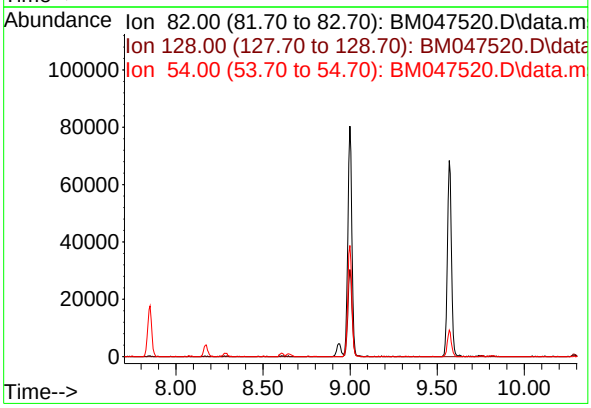


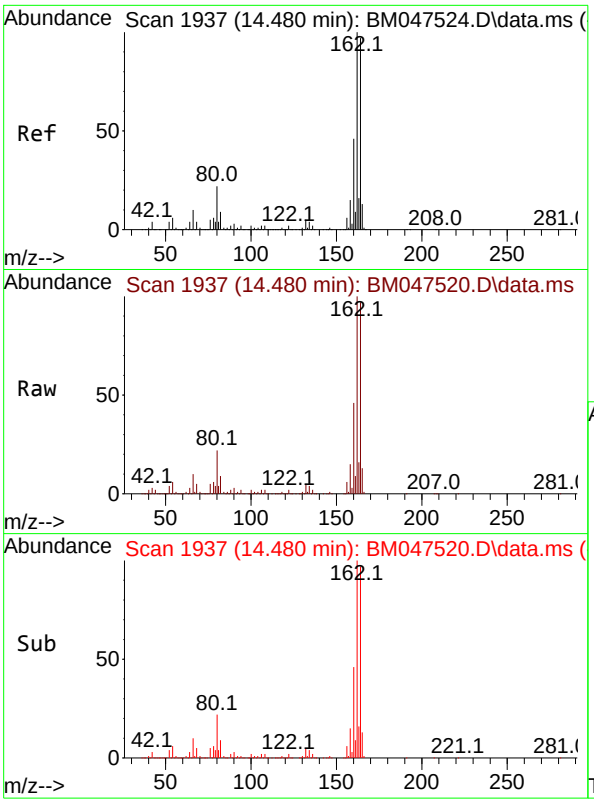
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.00 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.2
54	49.1



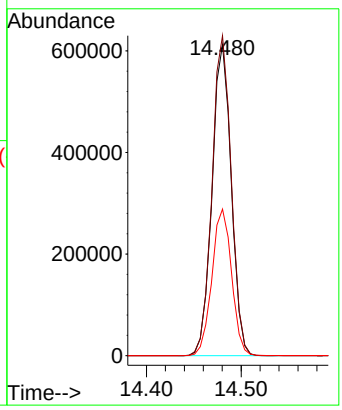


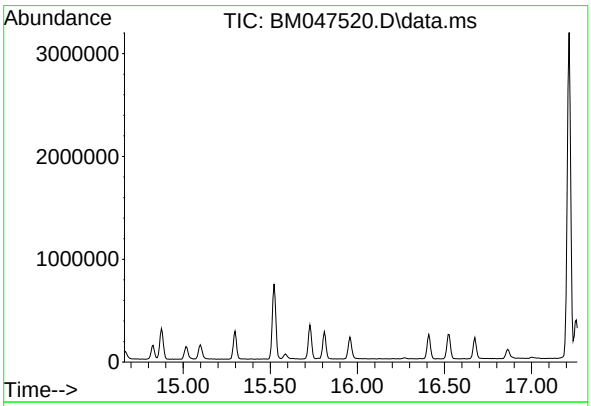
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

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



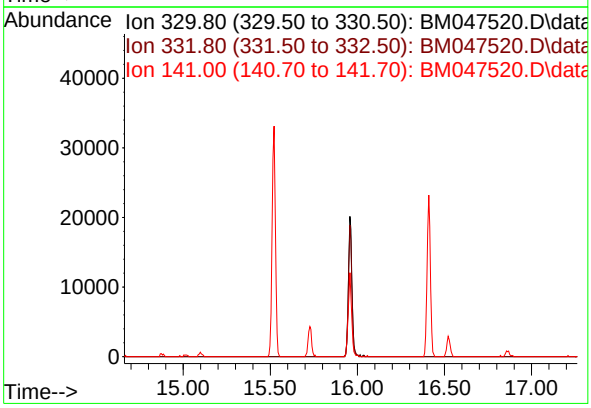


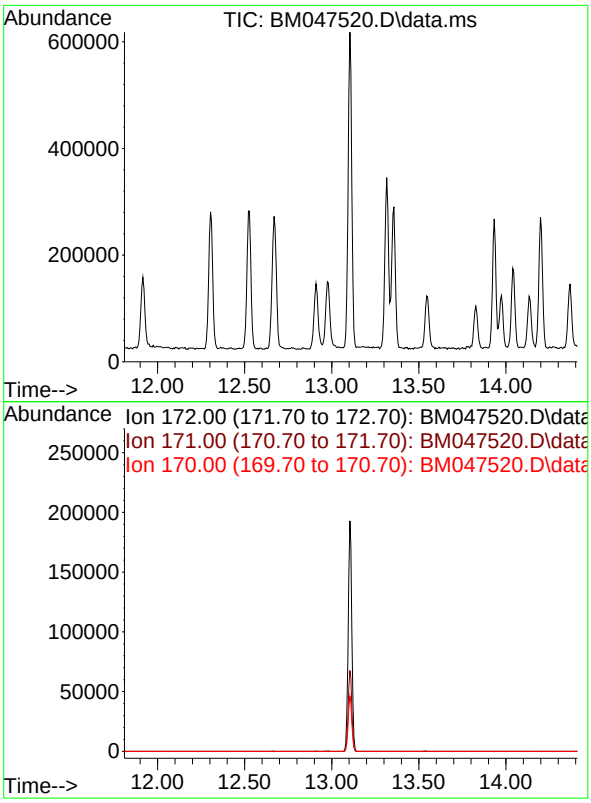
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.96 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	52.7





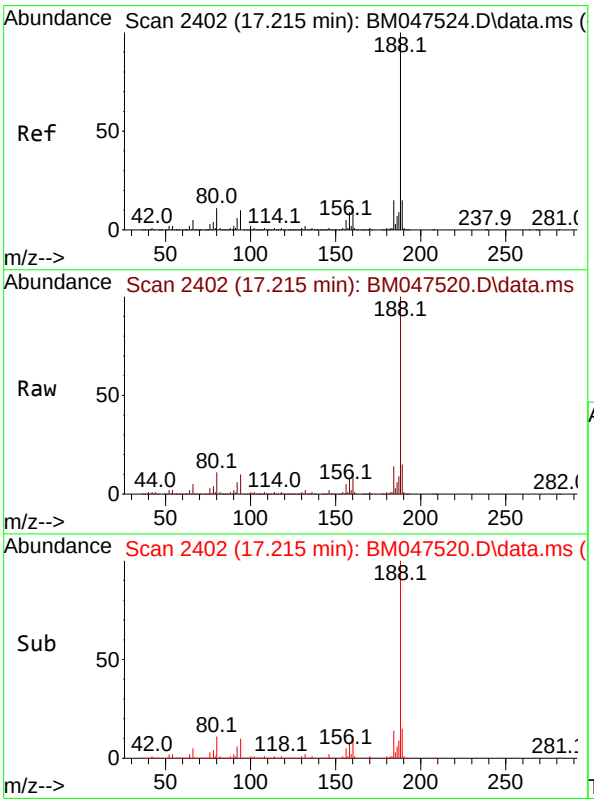
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.11 min

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

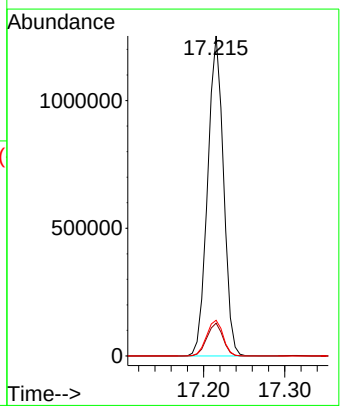
Sig	Exp Ratio
172	100
171	35.2
170	24.2

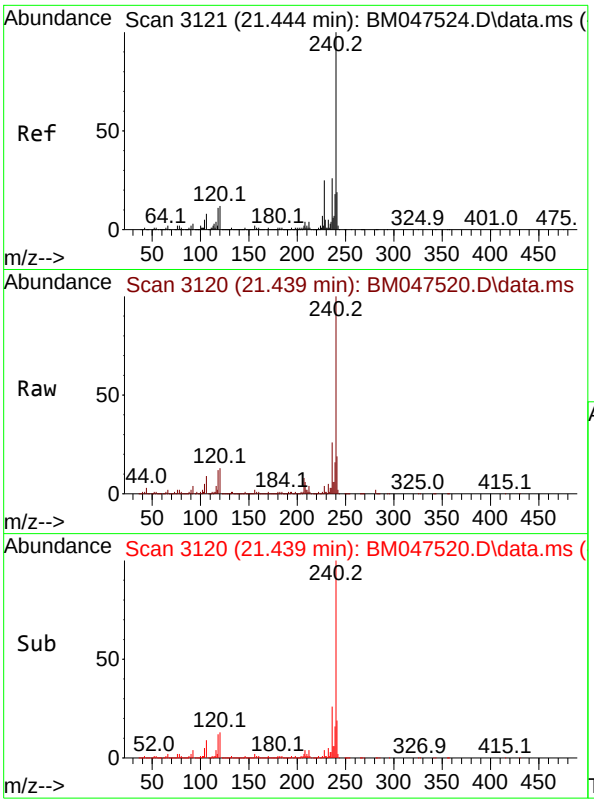


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

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



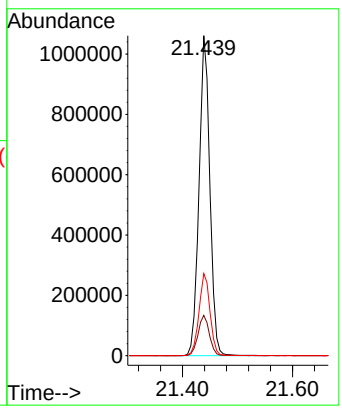


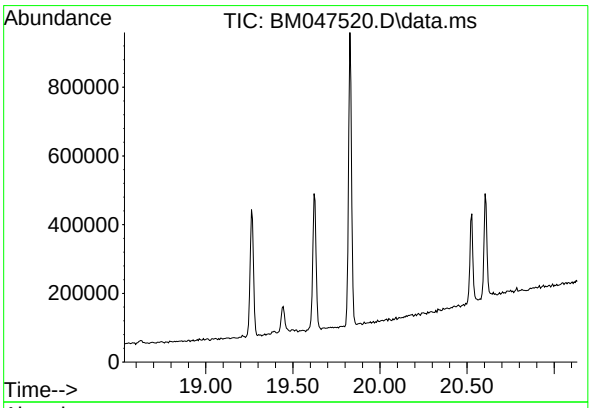
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

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



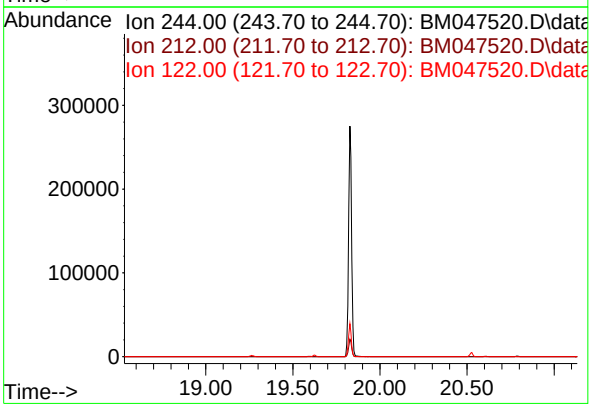


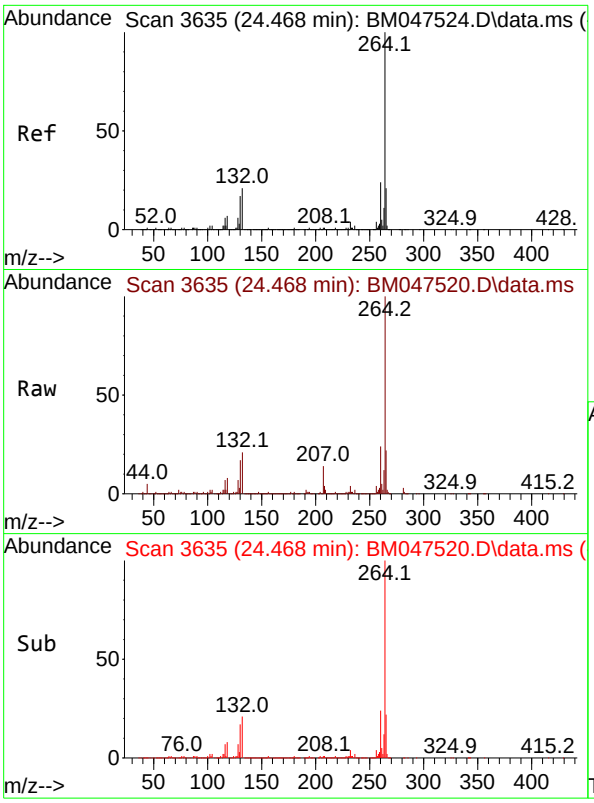
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.83 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.7
122	12.0



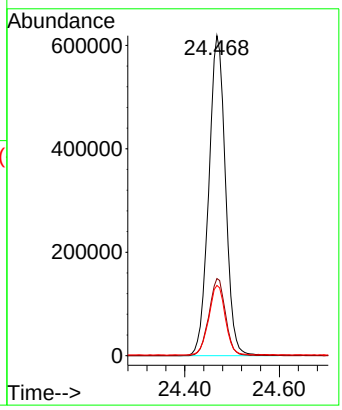


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

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



Quantitation Report (QT Reviewed)

ICAL Form

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)
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

ICAL Form

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

ICAL Form

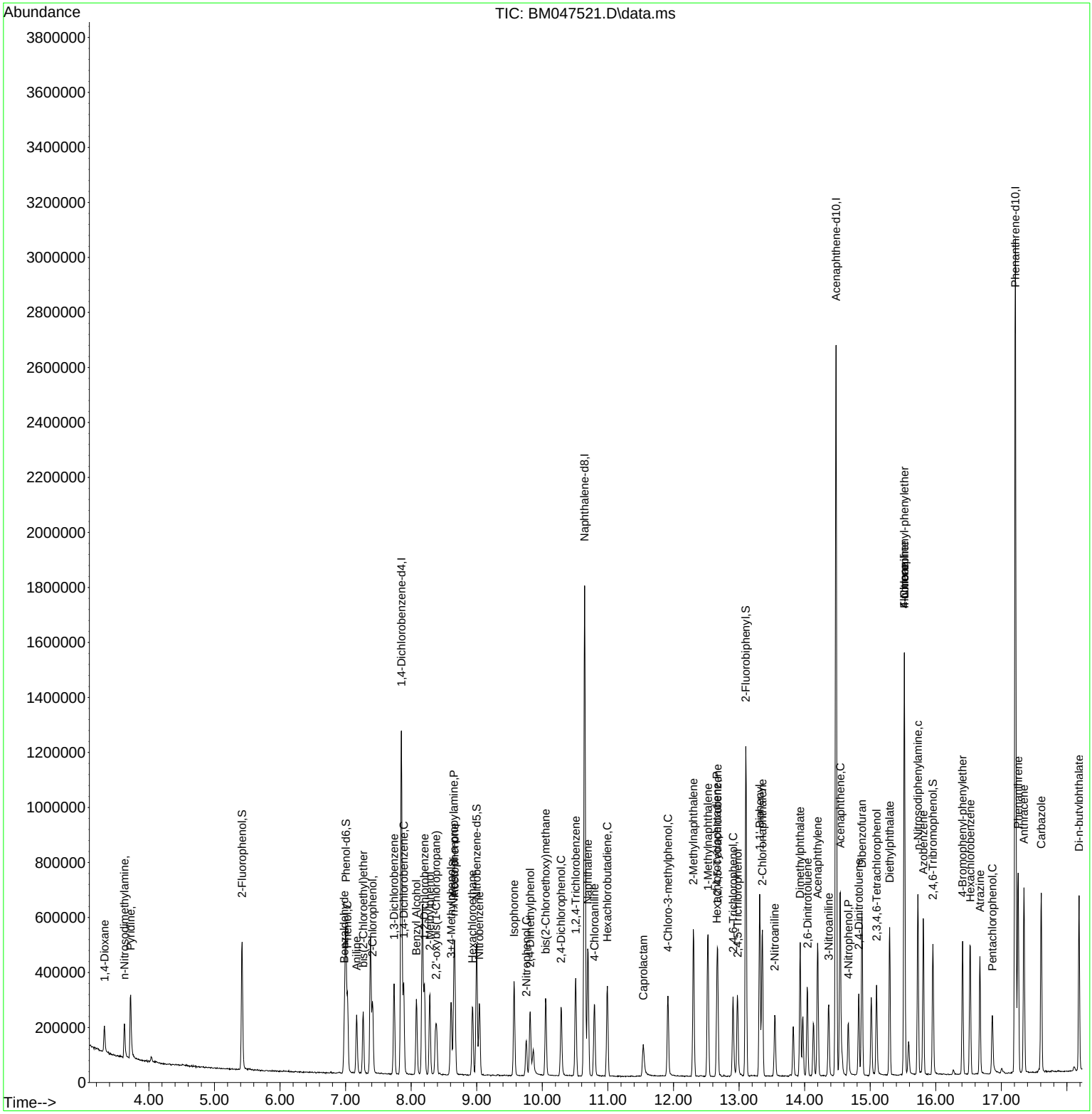
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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



ICAL Form

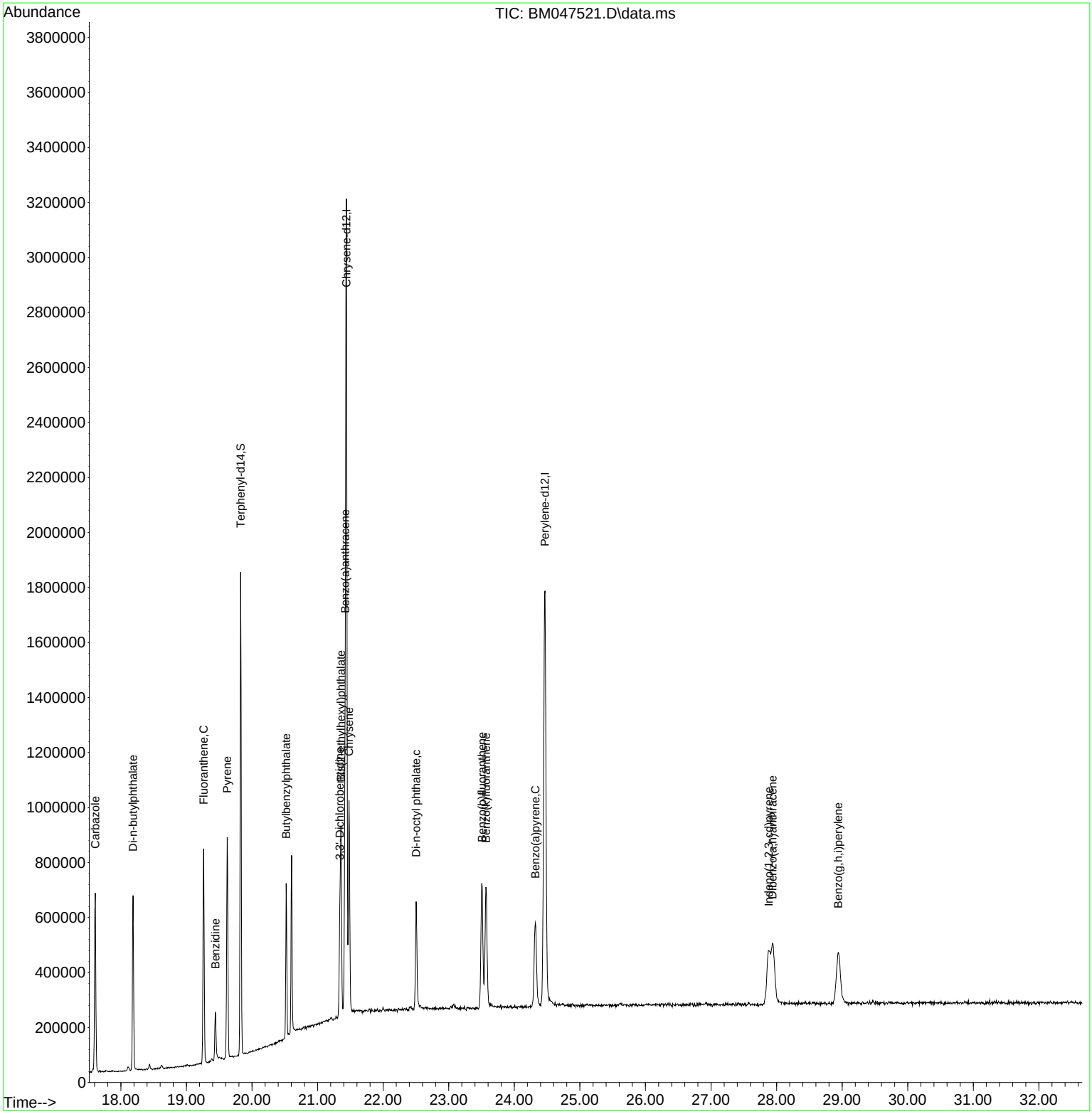
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

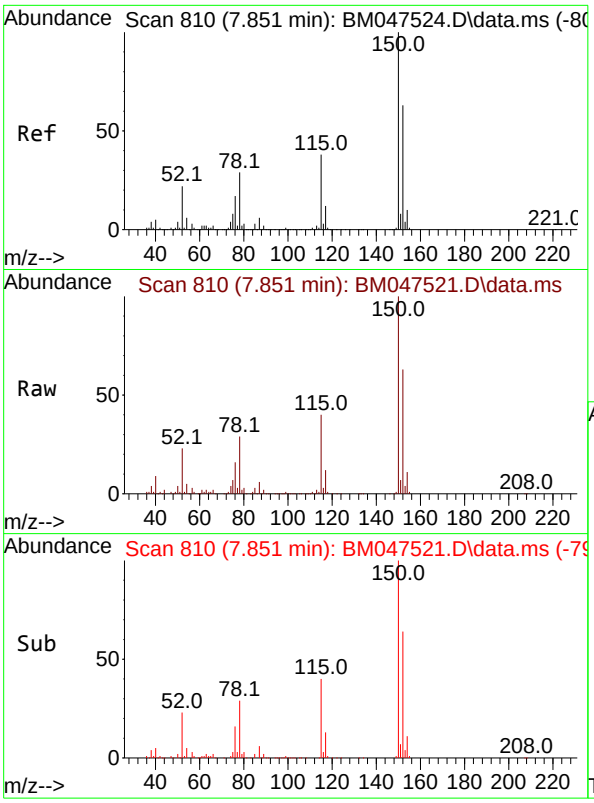
Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

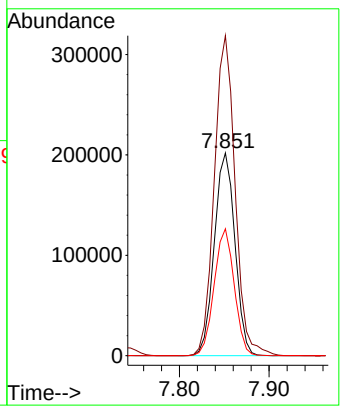




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
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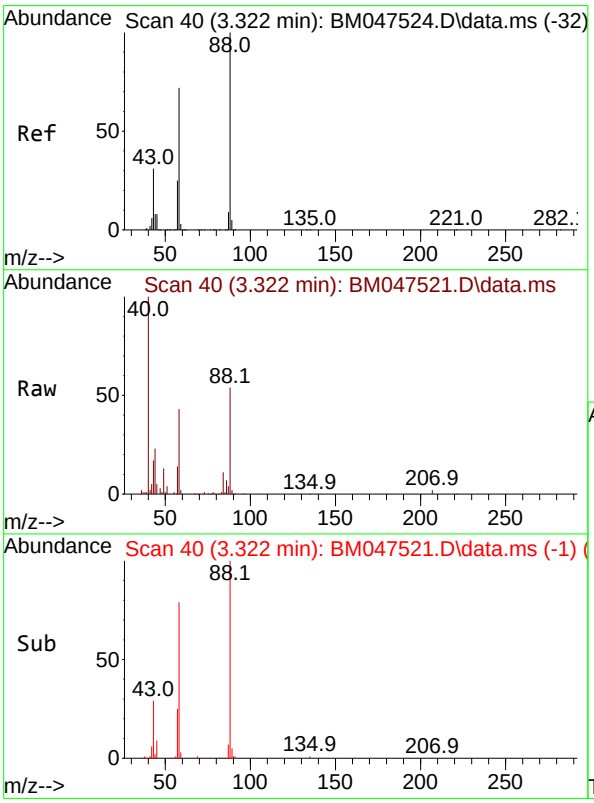
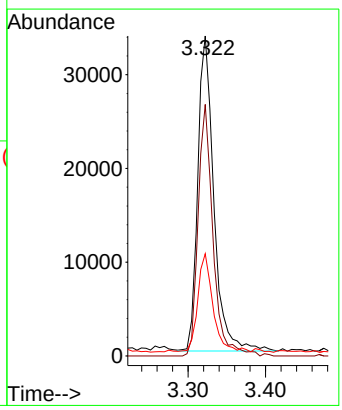
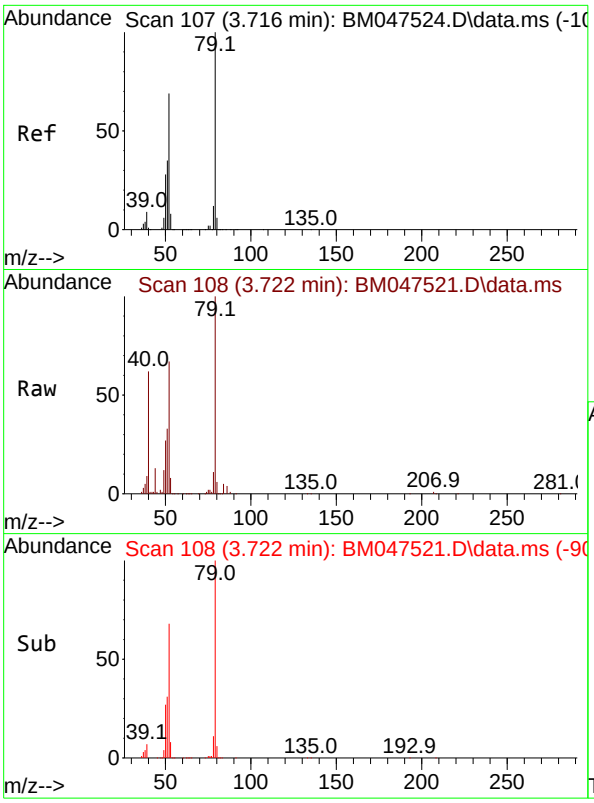


#2
1,4-Dioxane
Concen: 5.583 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

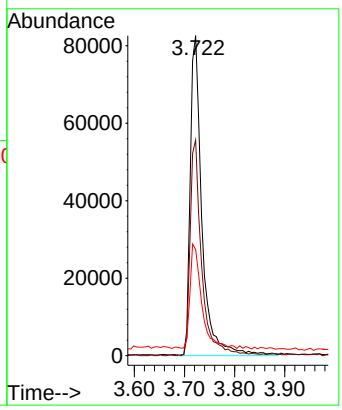




#3
Pyridine
Concen: 5.246 ng
RT: 3.722 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

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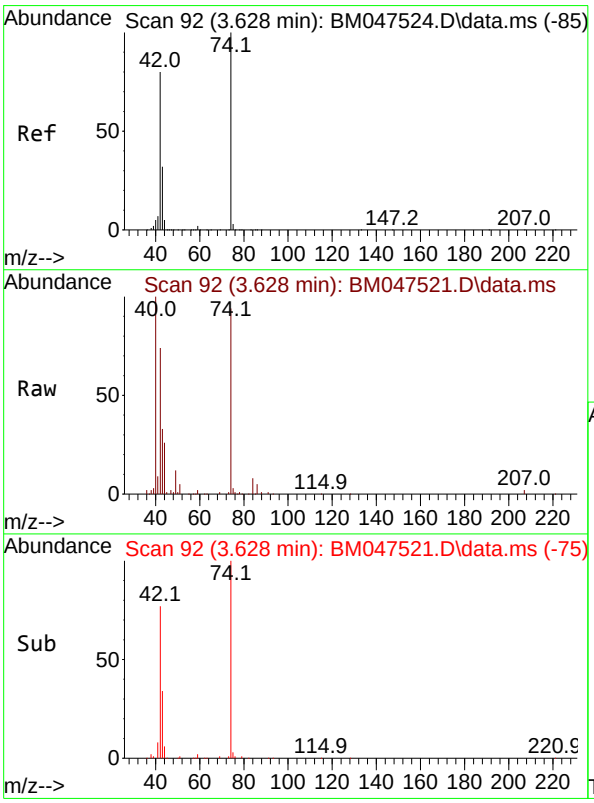
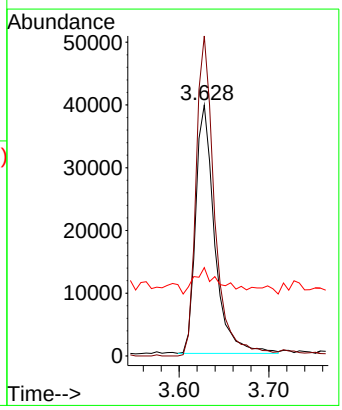
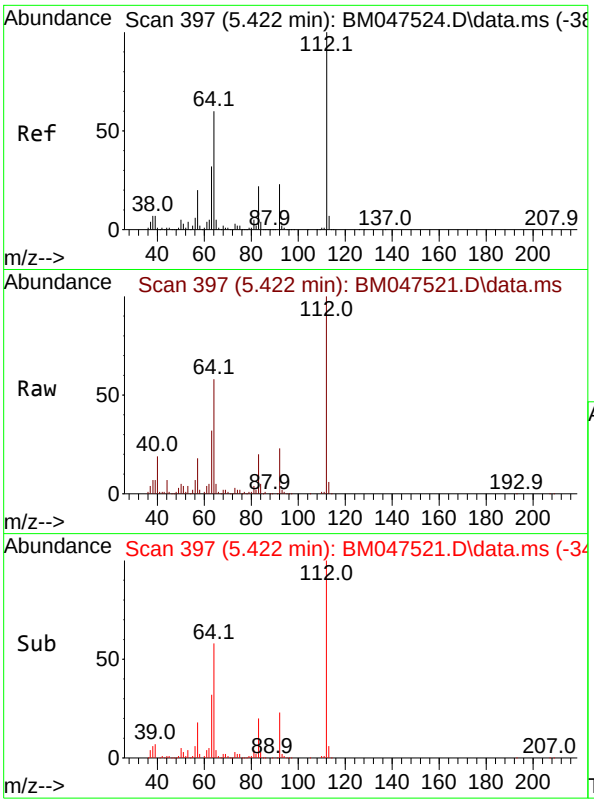


#4
n-Nitrosodimethylamine
Concen: 4.980 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

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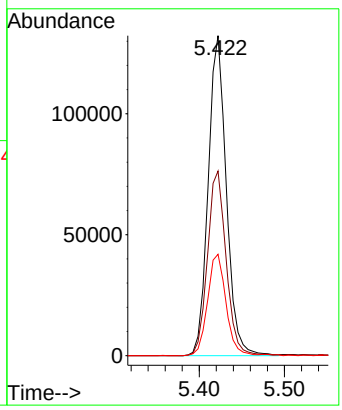
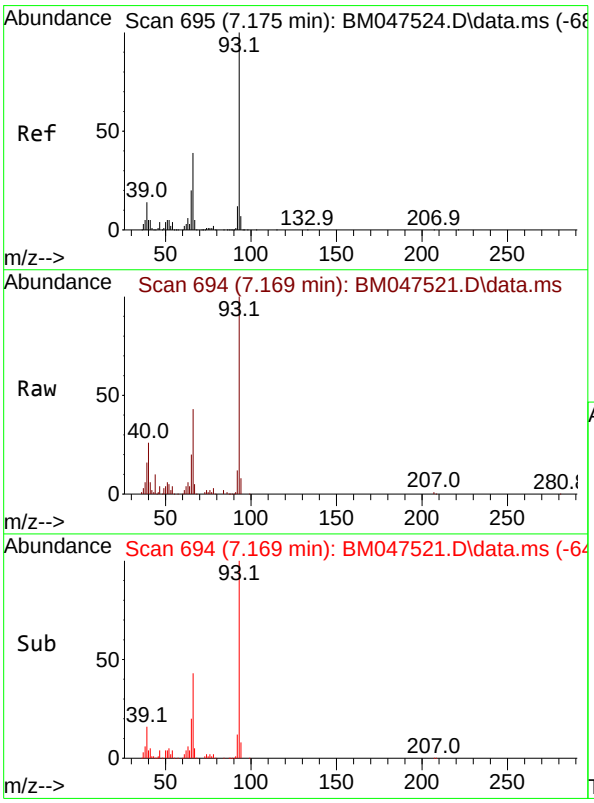
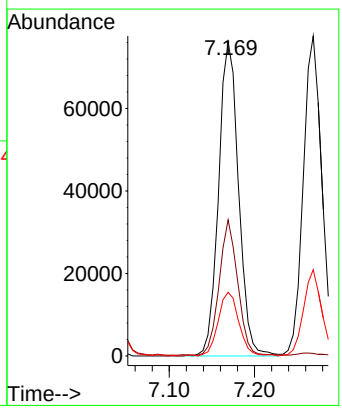


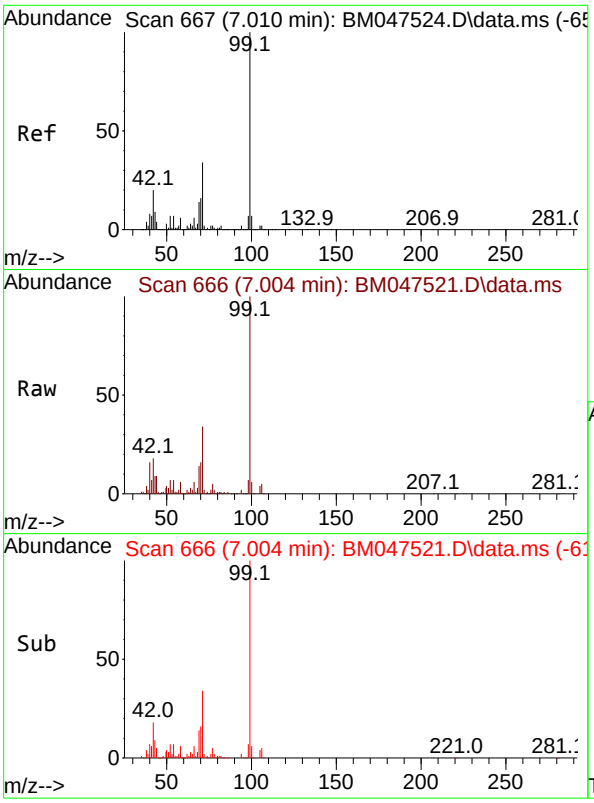


#6
Aniline
Concen: 4.915 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

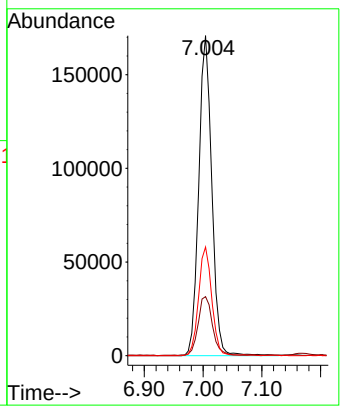




#7
Phenol-d6
Concen: 9.226 ng
RT: 7.004 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

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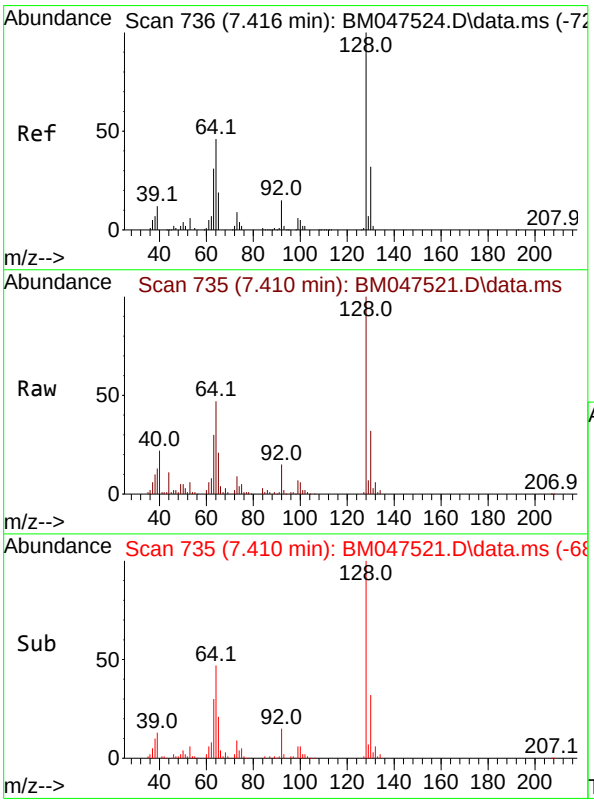
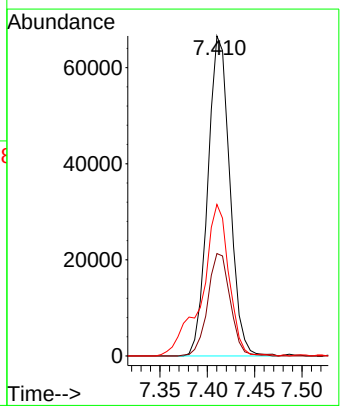
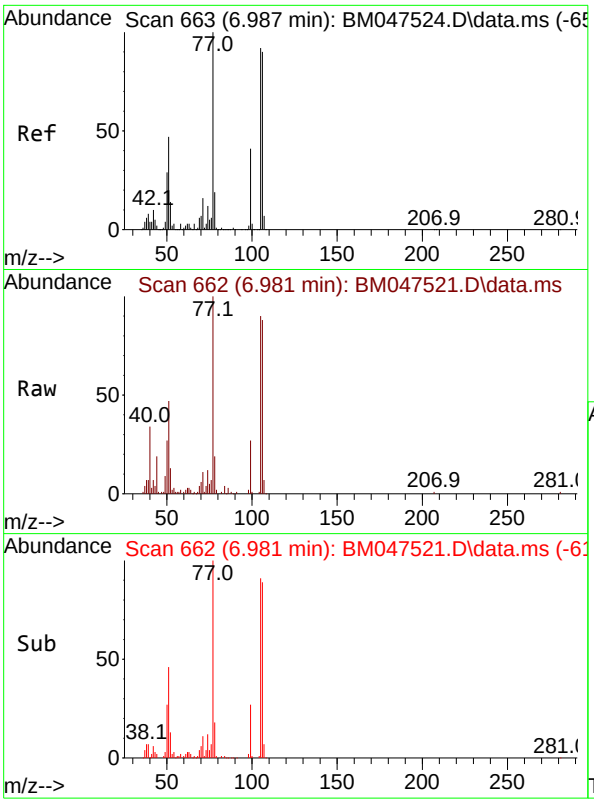


#8
2-Chlorophenol
Concen: 4.830 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

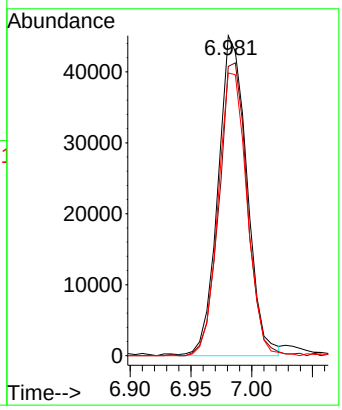




#9
Benzaldehyde
Concen: 5.488 ng m
RT: 6.981 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

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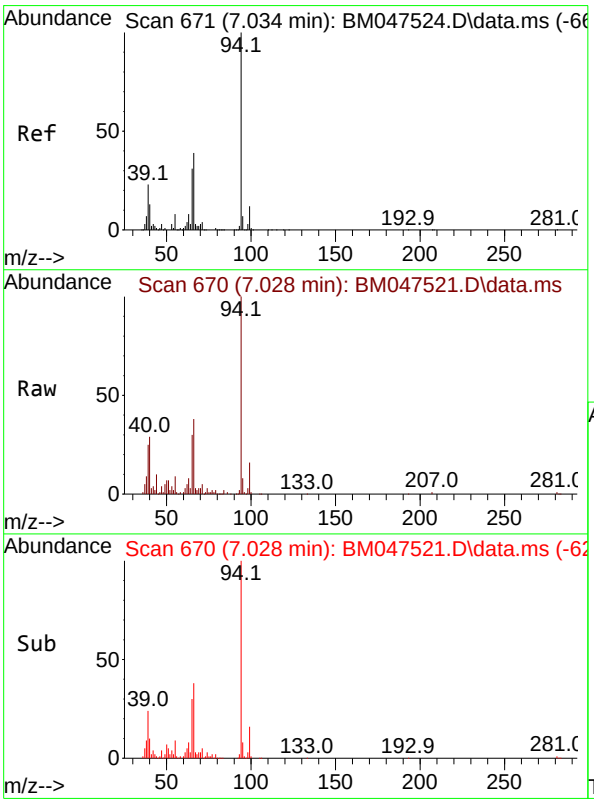
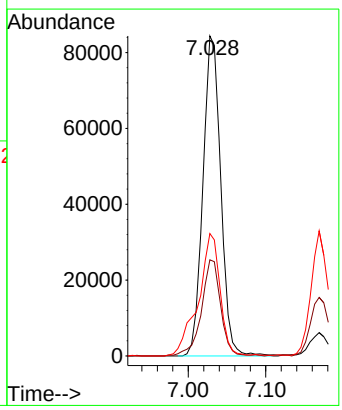
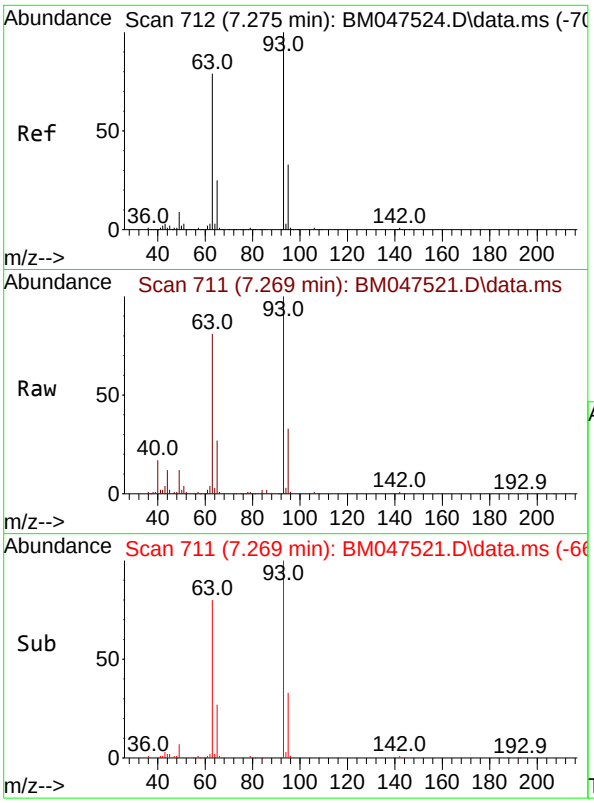


#10
Phenol
Concen: 4.732 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

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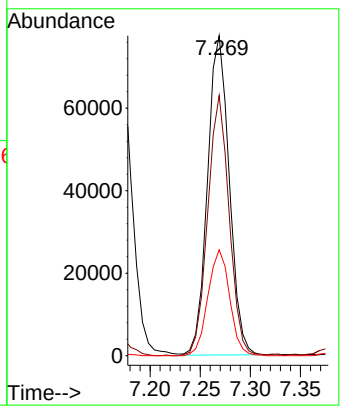
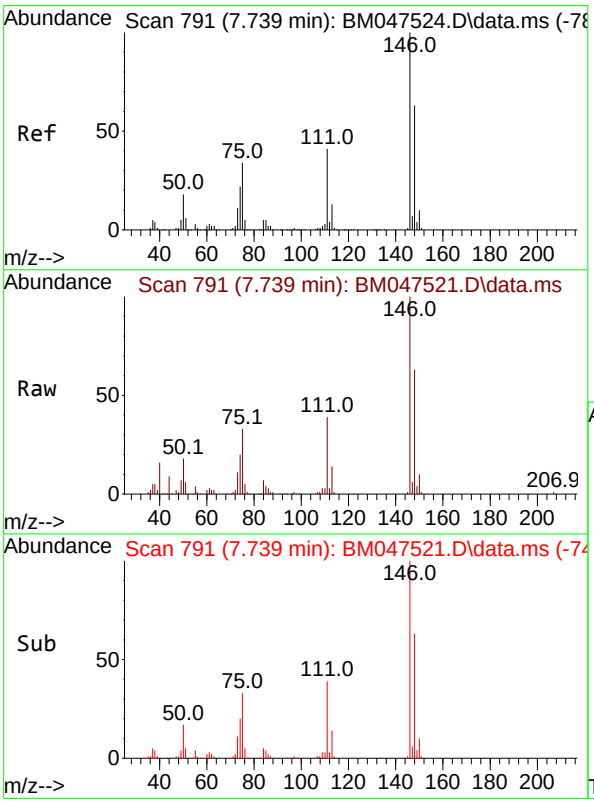
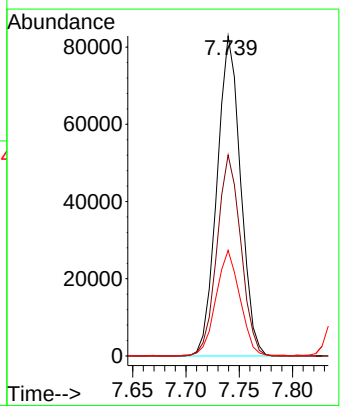


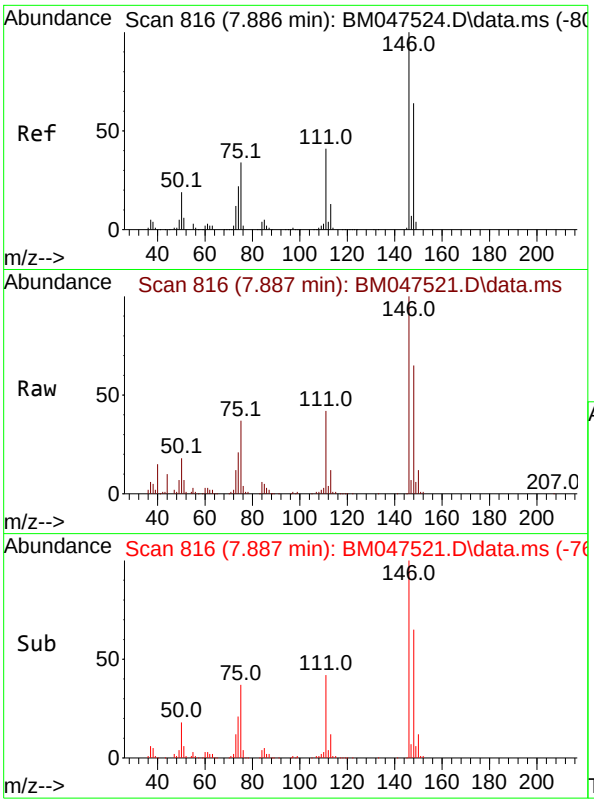


#12
1,3-Dichlorobenzene
Concen: 5.232 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

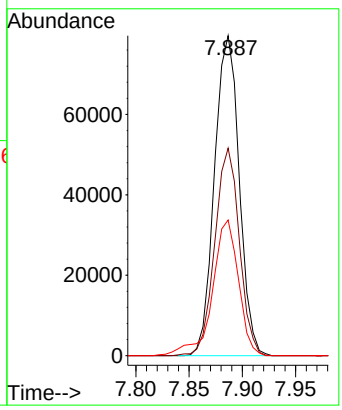




#13
1,4-Dichlorobenzene
Concen: 5.161 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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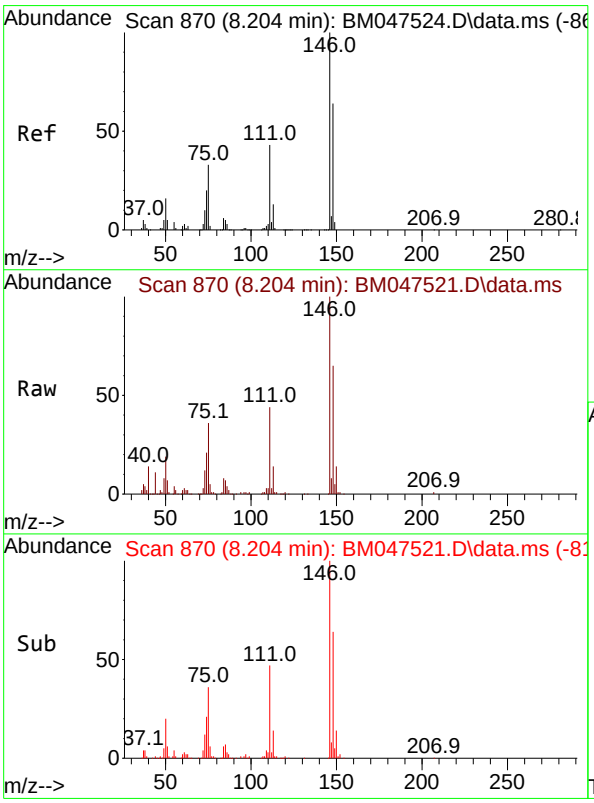
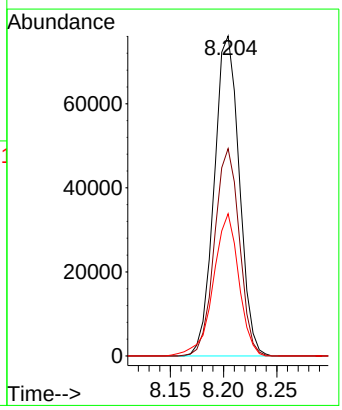
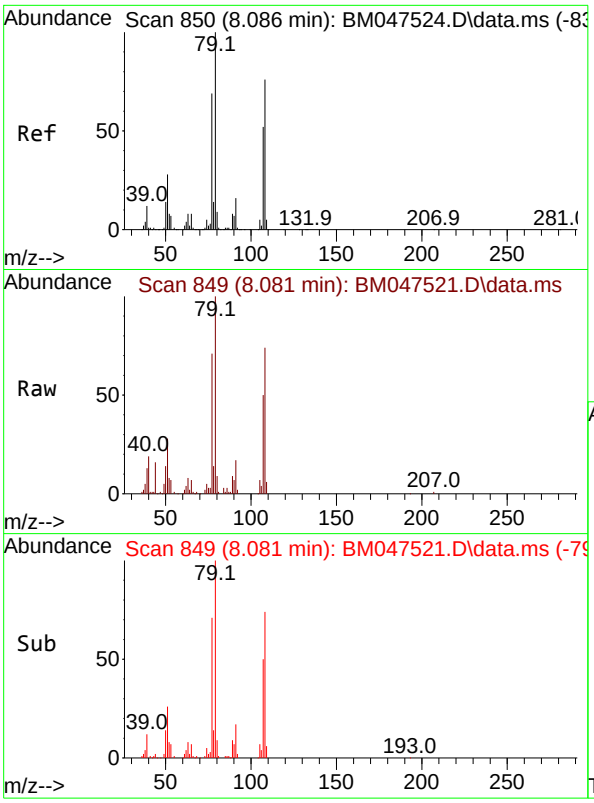


#14
1,2-Dichlorobenzene
Concen: 5.084 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
BNA_M
ClientSampleId :
SSTDICC005

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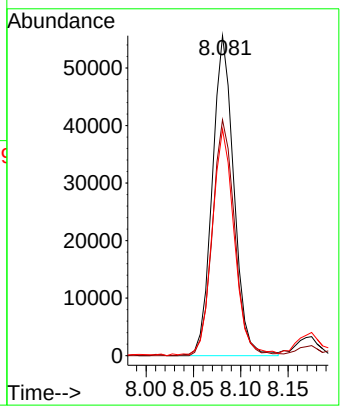
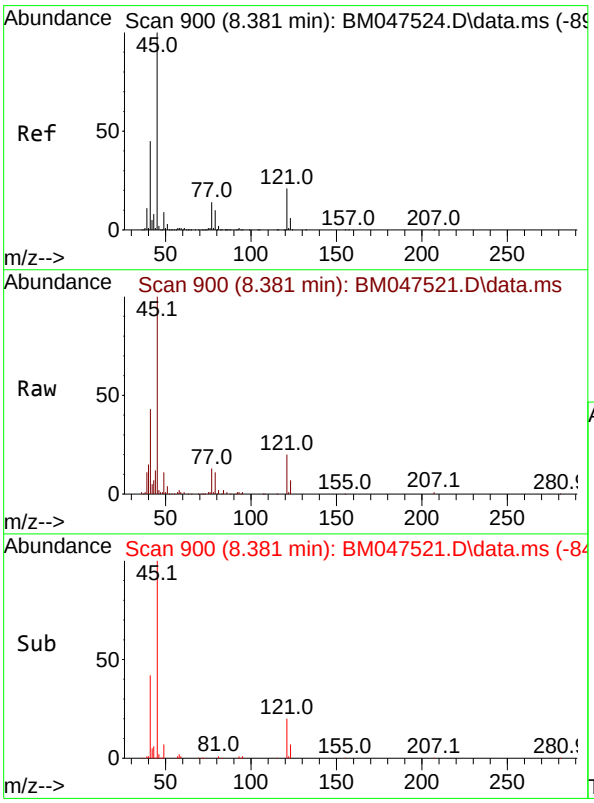
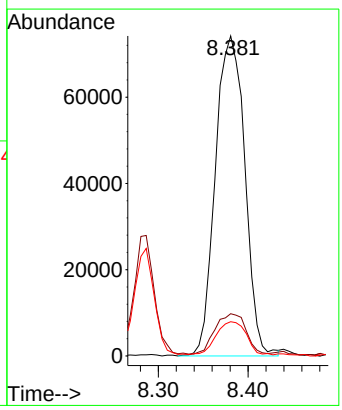


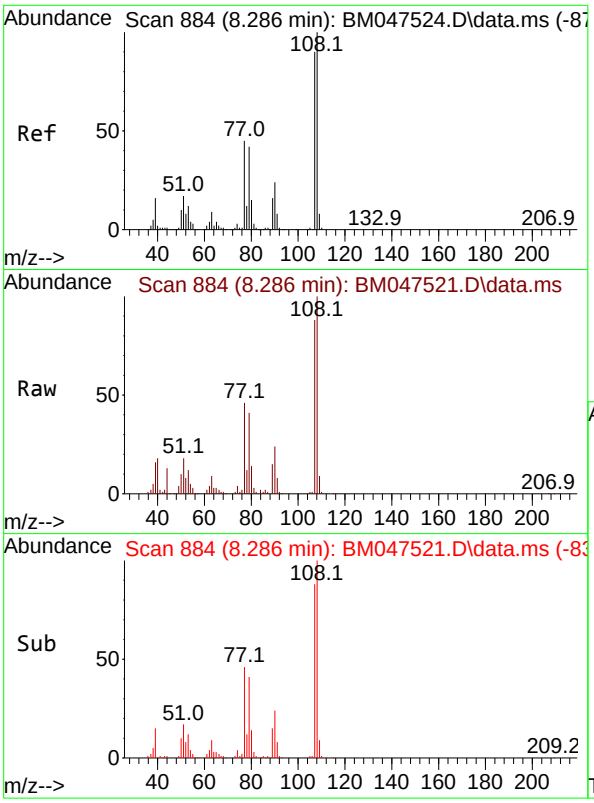


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.258 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

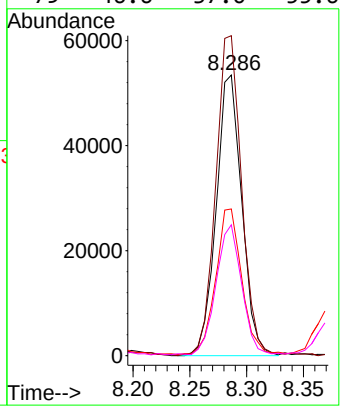




#17
2-Methylphenol
Concen: 4.599 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
BNA_M
ClientSampleId :
SSTDICC005

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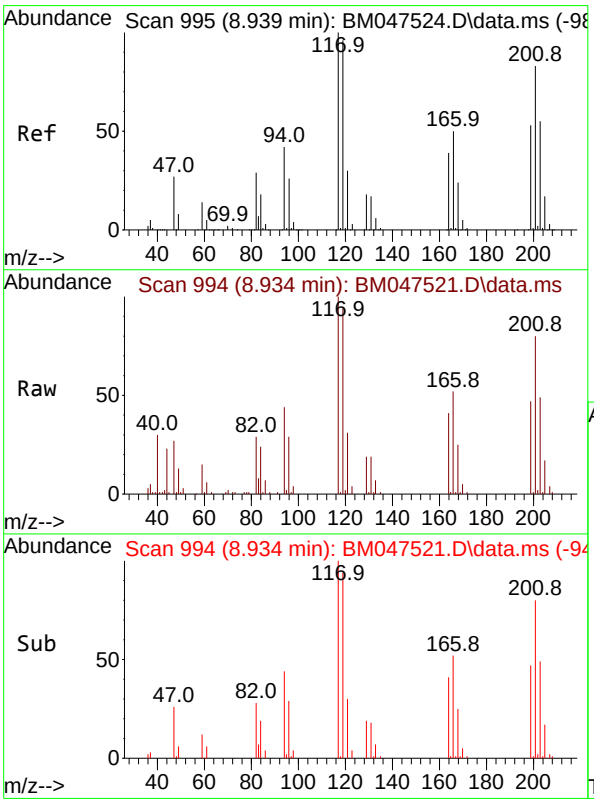
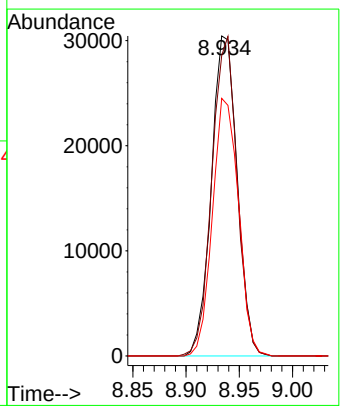
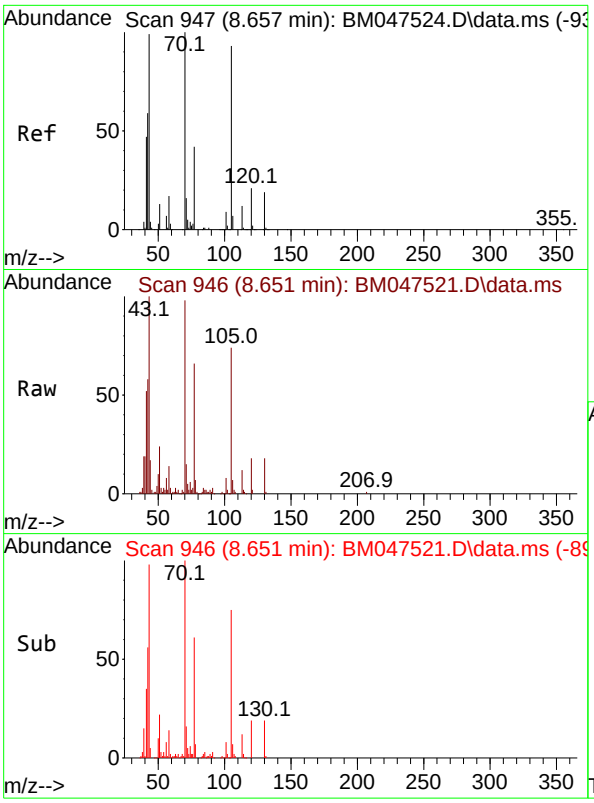


#18
Hexachloroethane
Concen: 5.180 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

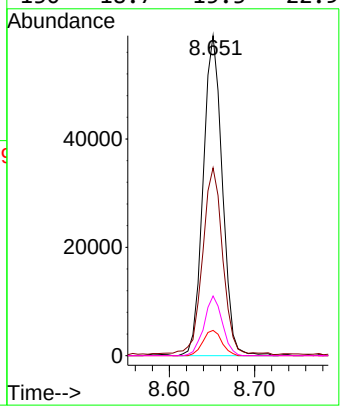




#19
n-Nitroso-di-n-propylamine
Concen: 4.797 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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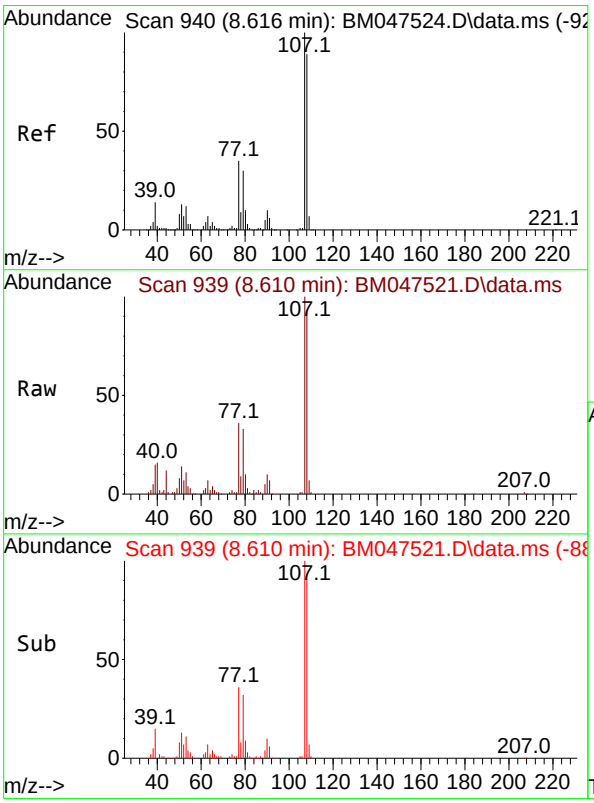
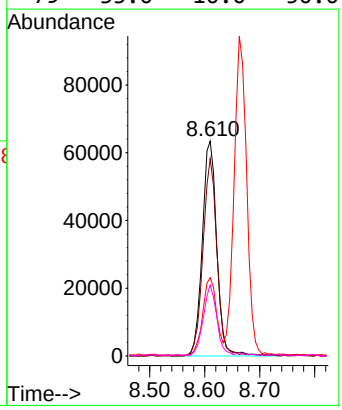
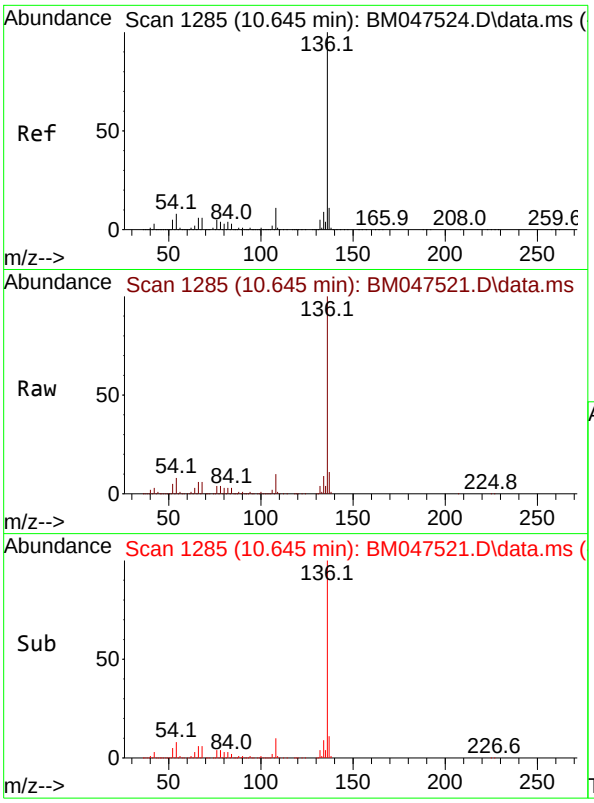


#20
3+4-Methylphenols
Concen: 4.562 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

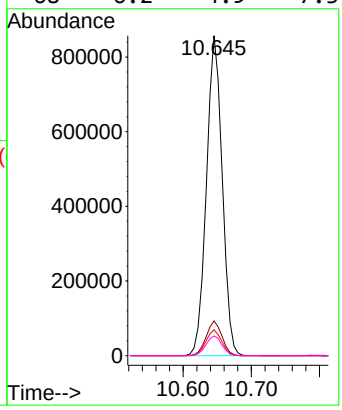




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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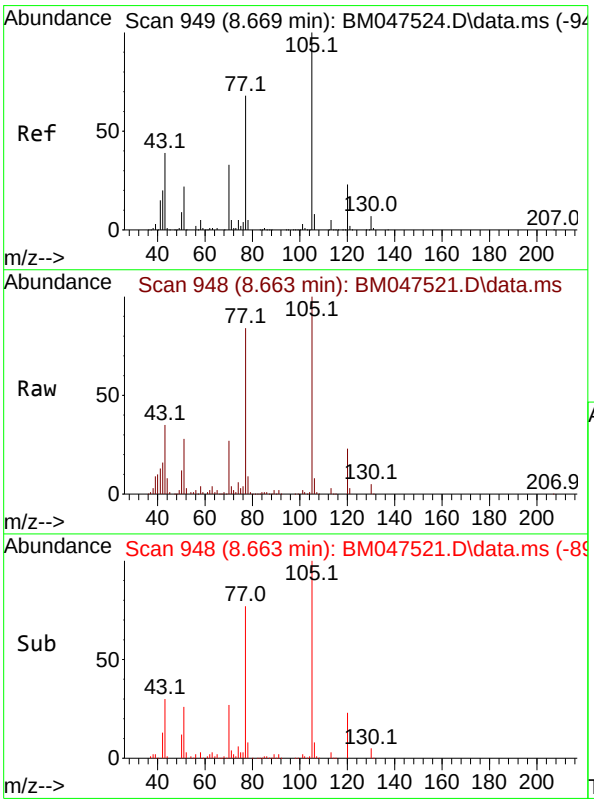
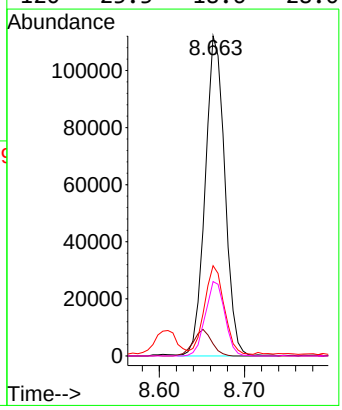
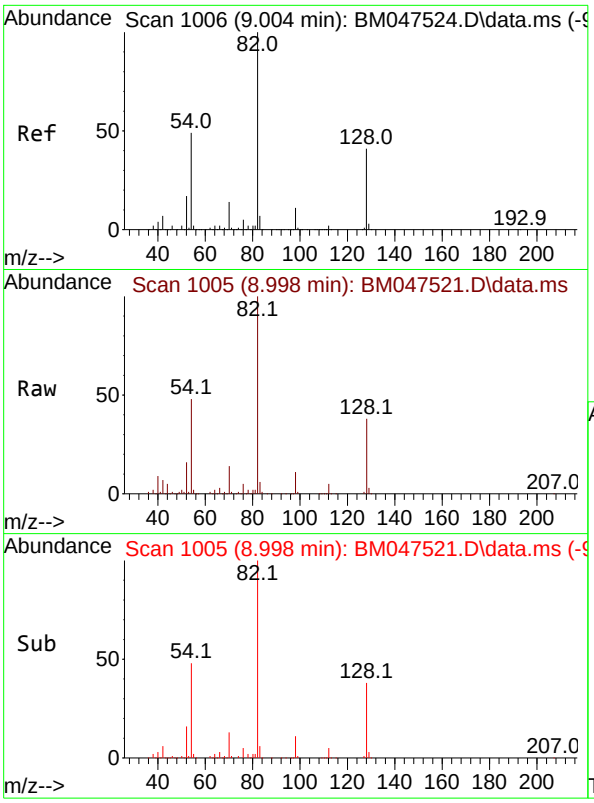


#22
Acetophenone
Concen: 4.953 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
SSTDICC005

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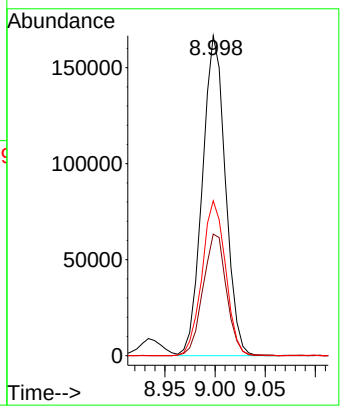
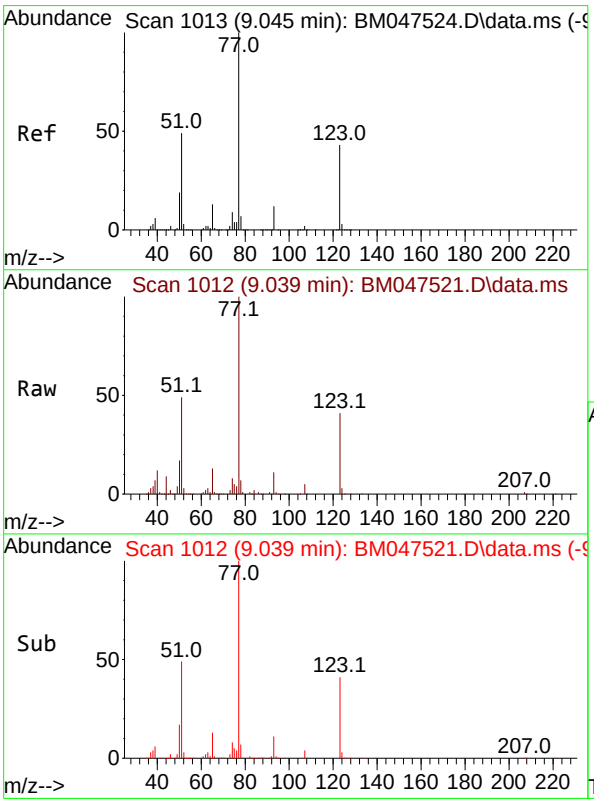
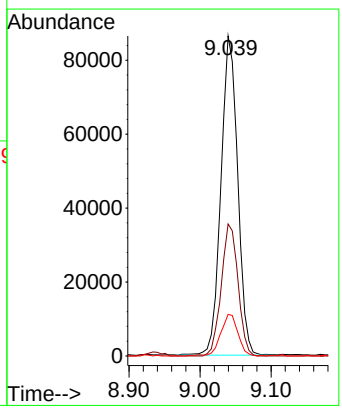


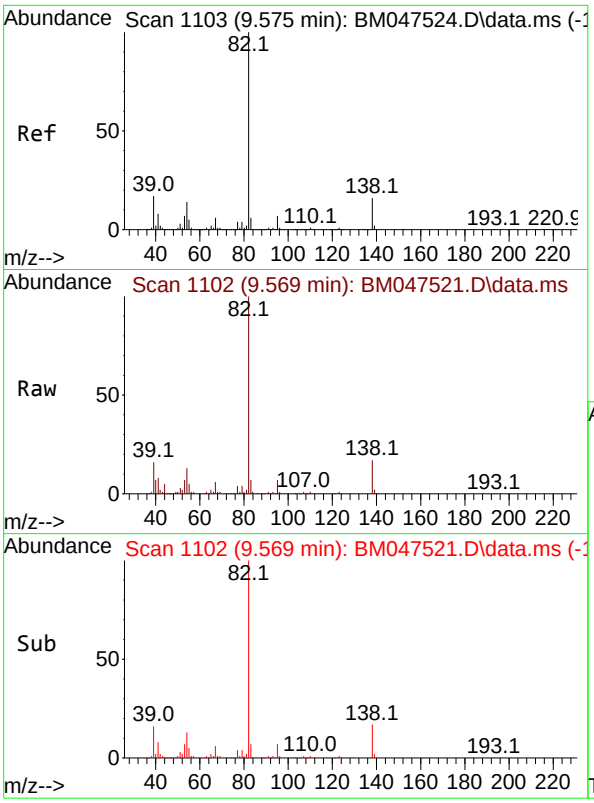


#24
Nitrobenzene
Concen: 4.984 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

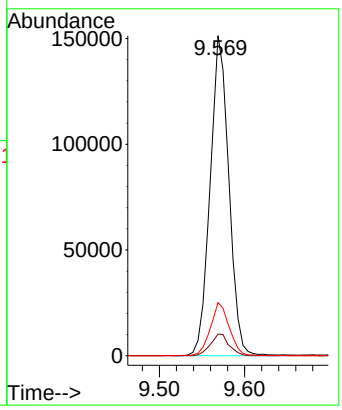




#25
Isophorone
Concen: 4.779 ng
RT: 9.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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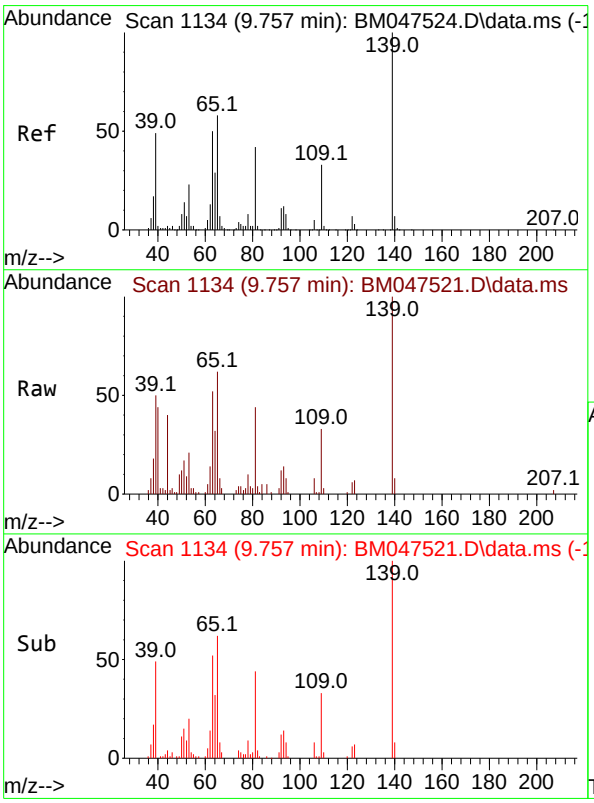
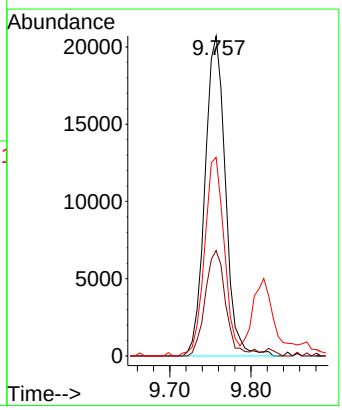
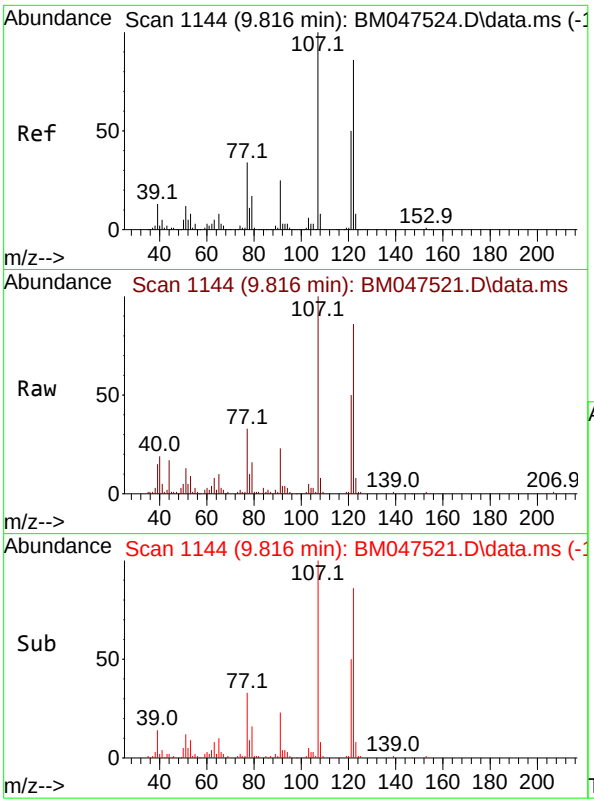


#26
2-Nitrophenol
Concen: 3.750 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
BNA_M
ClientSampleId :
SSTDICC005

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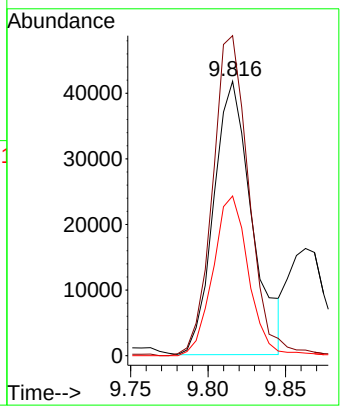
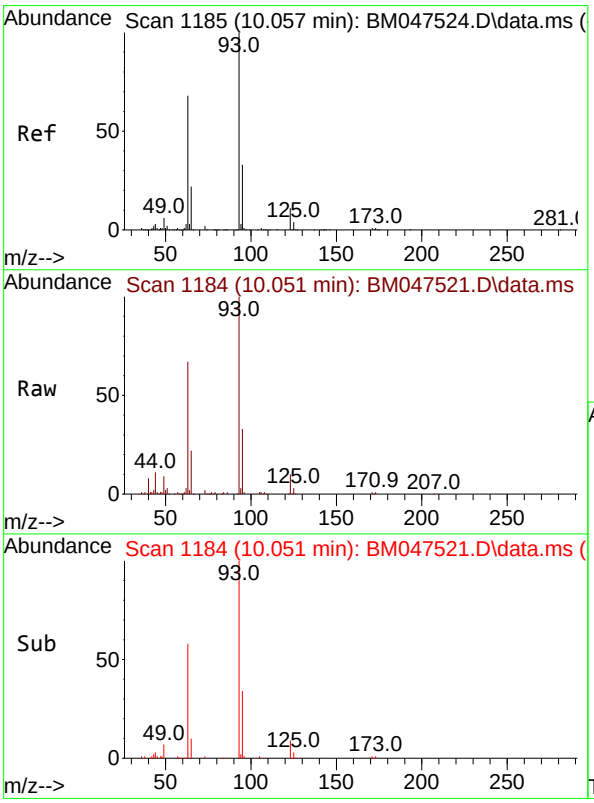
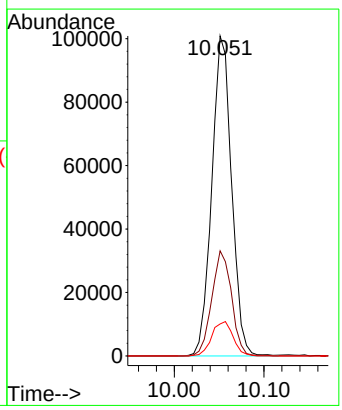


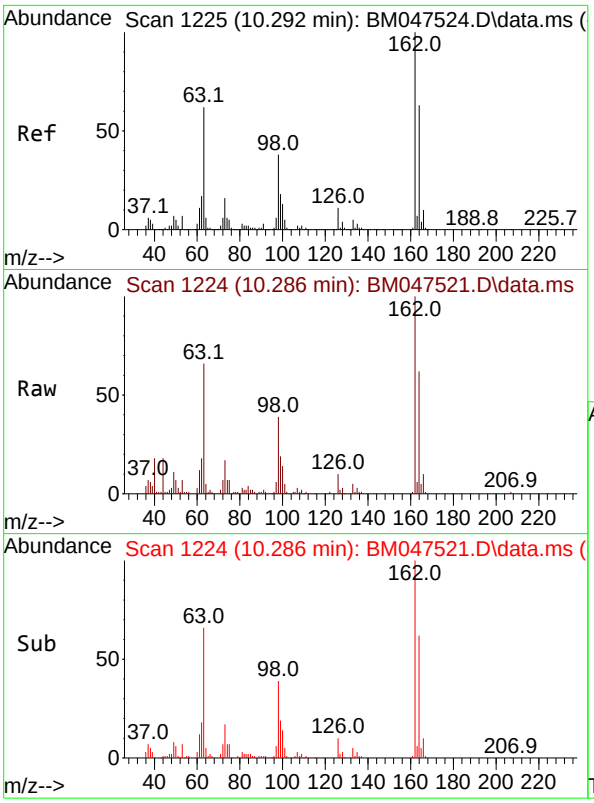


#28
bis(2-Chloroethoxy)methane
Concen: 5.077 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

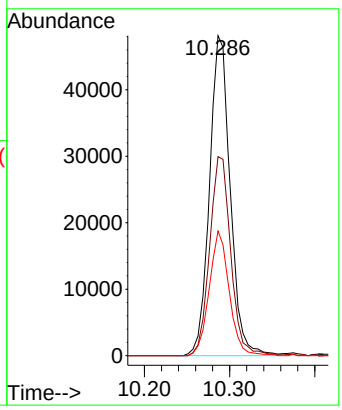




#29
2,4-Dichlorophenol
Concen: 4.377 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
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ClientSampleId :
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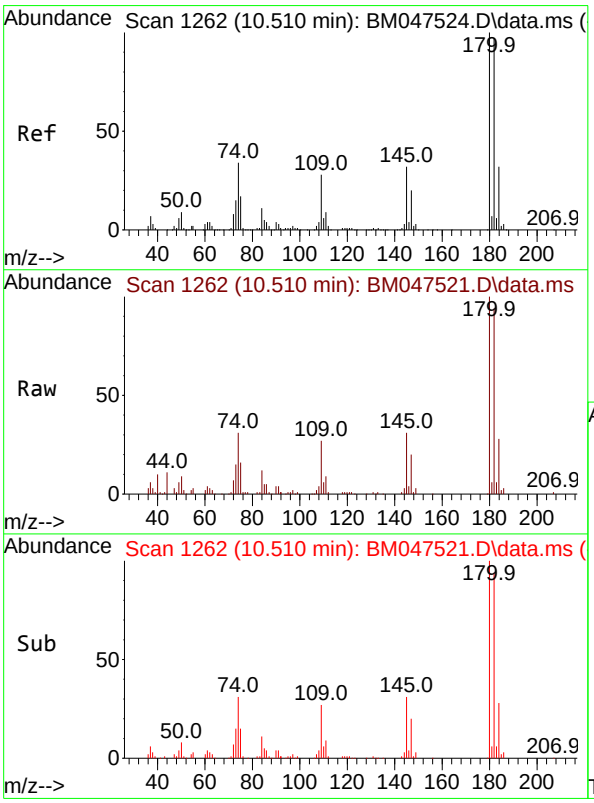
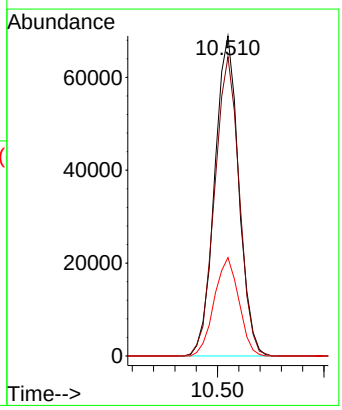
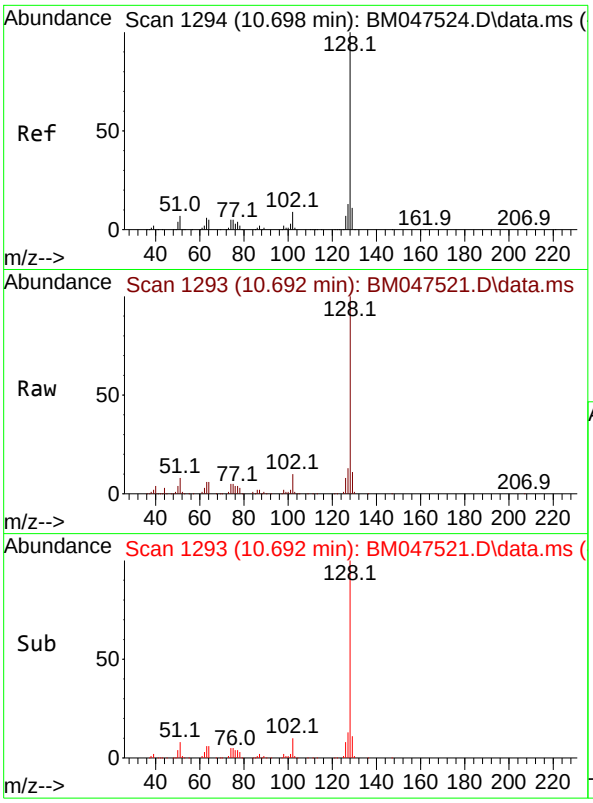


#30
1,2,4-Trichlorobenzene
Concen: 5.074 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

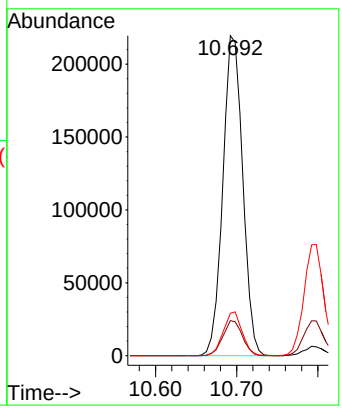




#31
Naphthalene
Concen: 5.011 ng
RT: 10.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
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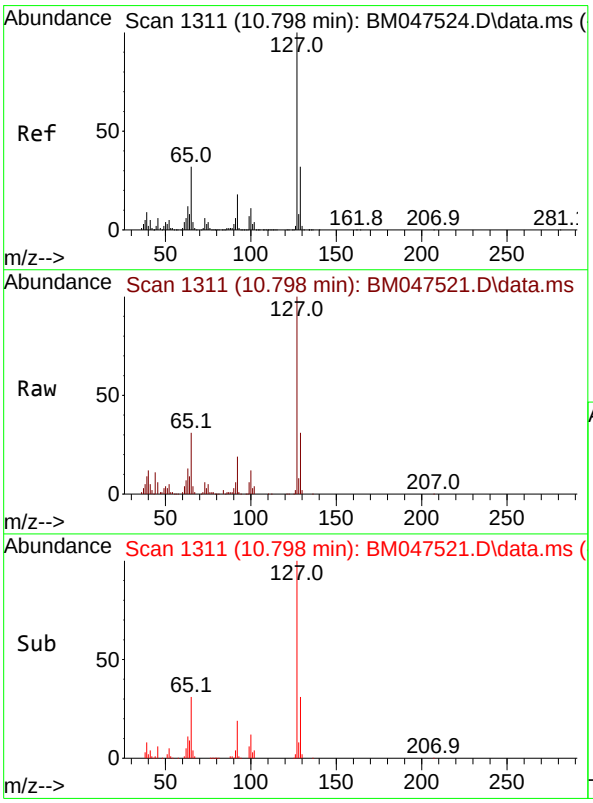
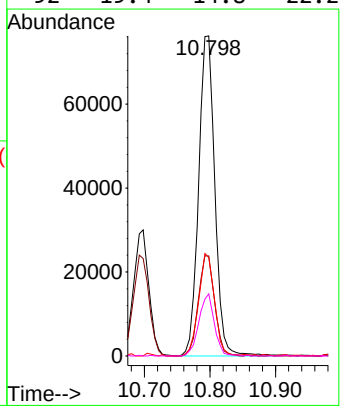
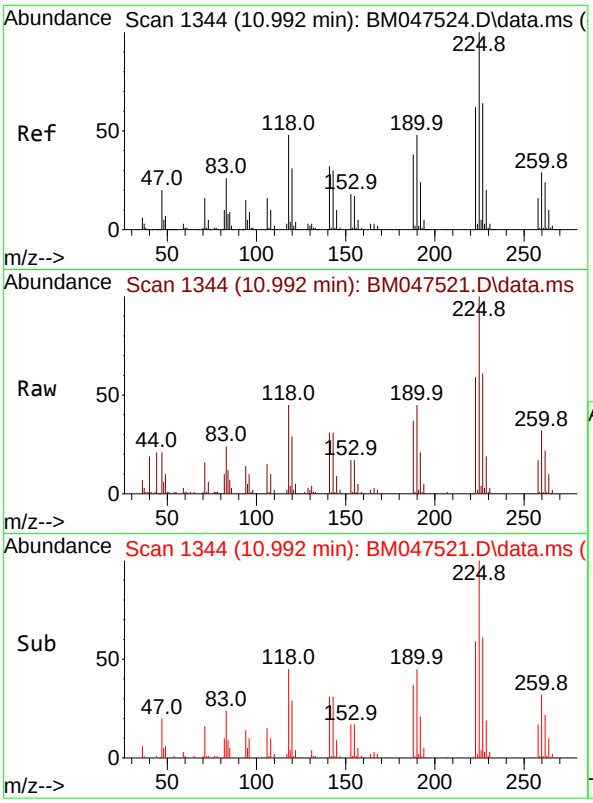


#33
4-Chloroaniline
Concen: 4.890 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

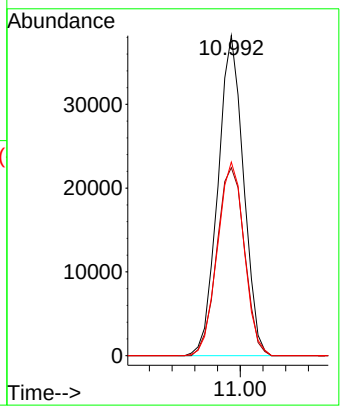




#34
Hexachlorobutadiene
Concen: 5.071 ng
RT: 10.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
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ClientSampleId :
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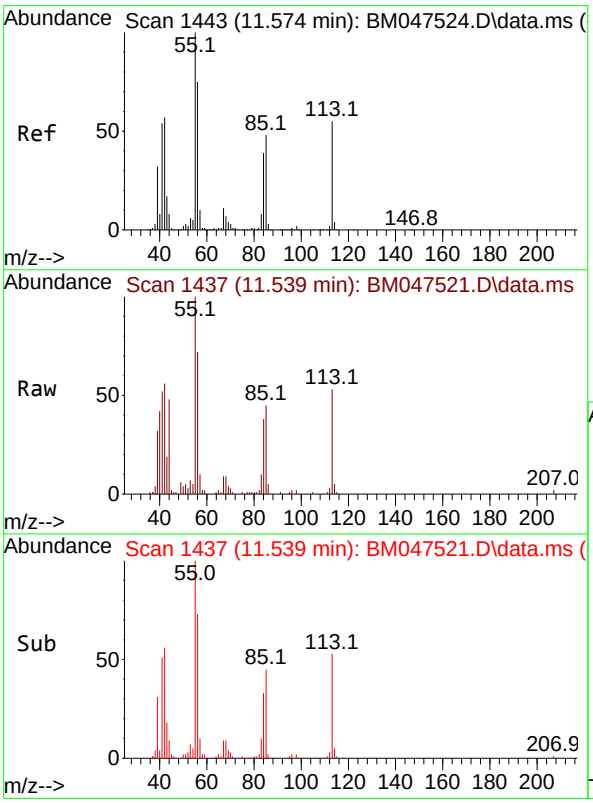
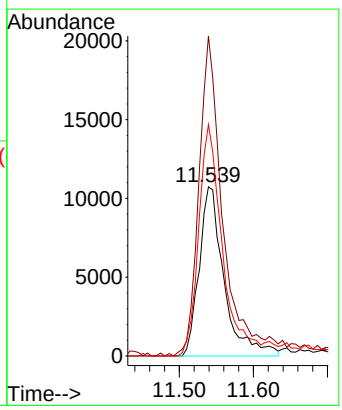
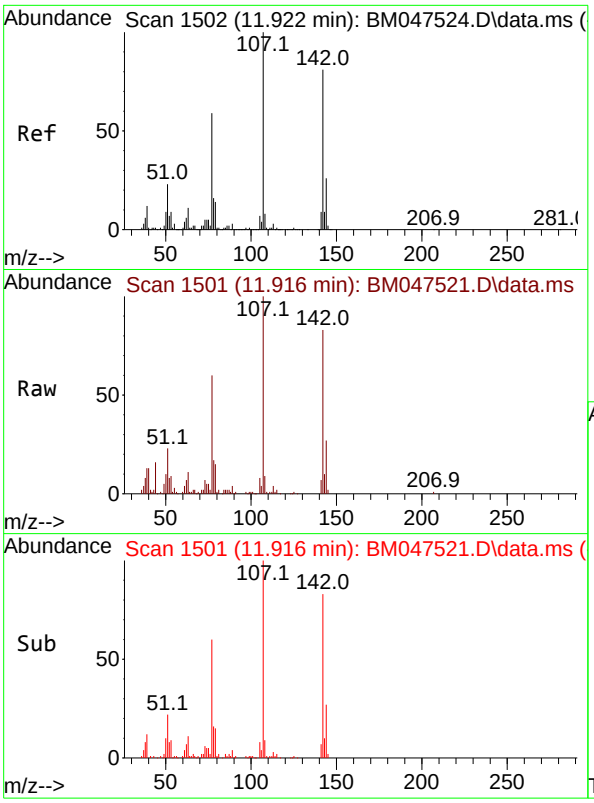


#35
Caprolactam
Concen: 4.093 ng
RT: 11.539 min Scan# 1437
Delta R.T. -0.035 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

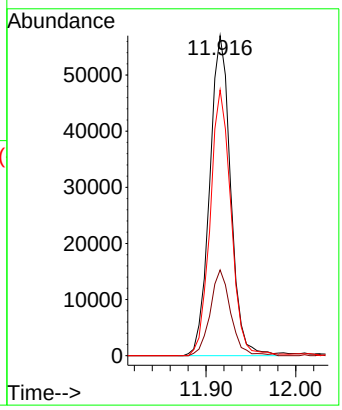




#36
4-Chloro-3-methylphenol
Concen: 4.348 ng
RT: 11.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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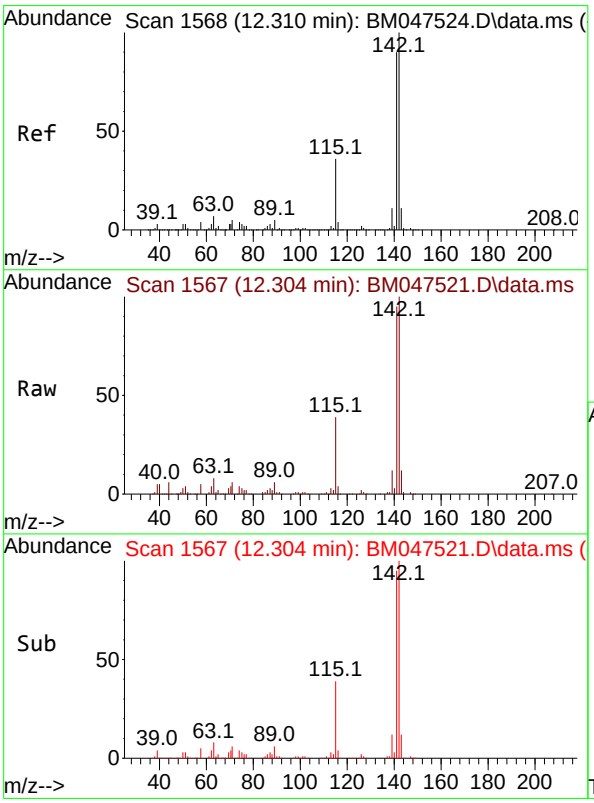
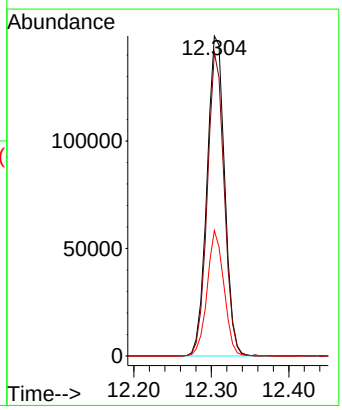
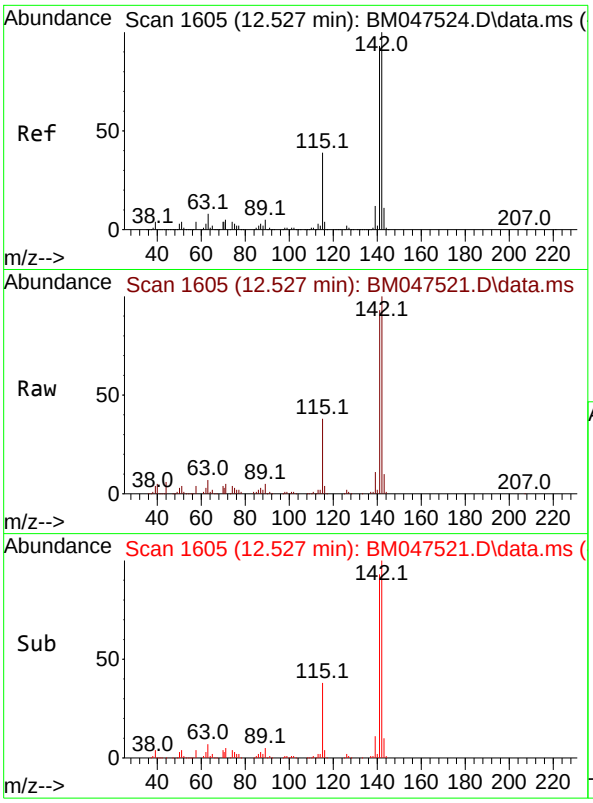


#37
2-Methylnaphthalene
Concen: 4.750 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

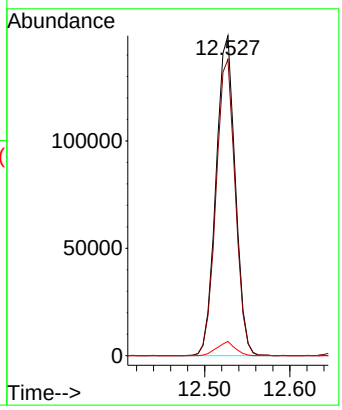




#38
1-Methylnaphthalene
Concen: 4.751 ng
RT: 12.527 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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



Instrument :
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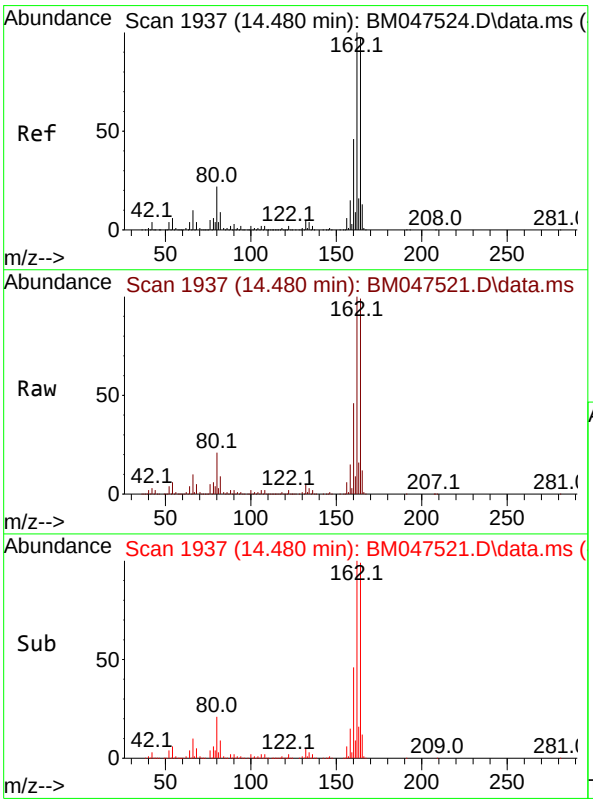
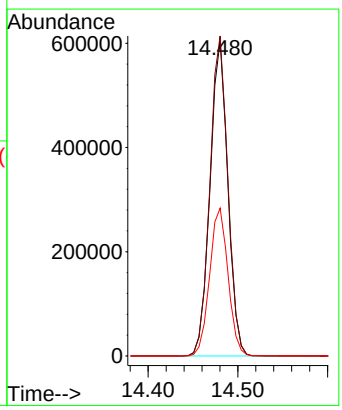
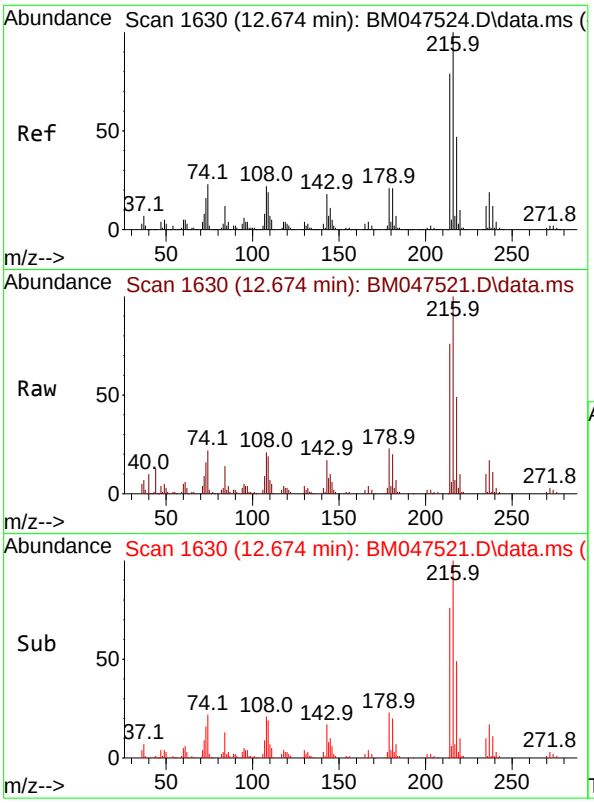


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

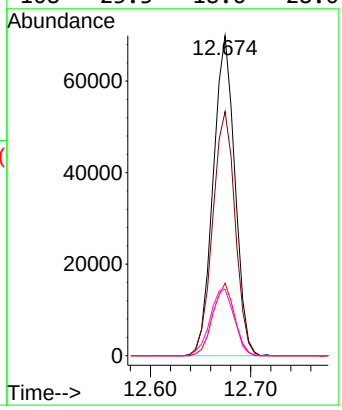




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.663 ng
RT: 12.674 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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



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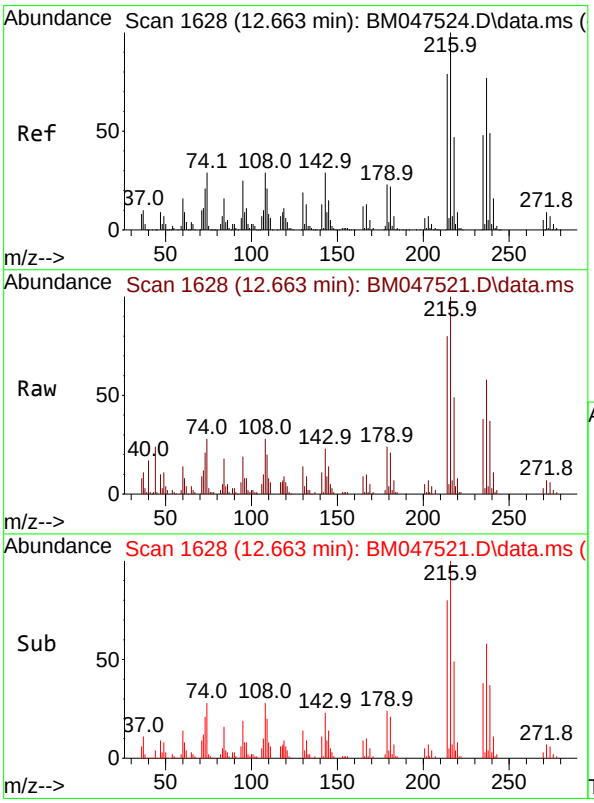
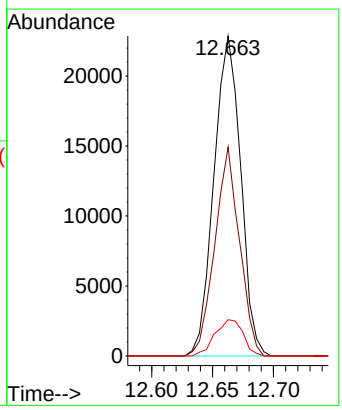
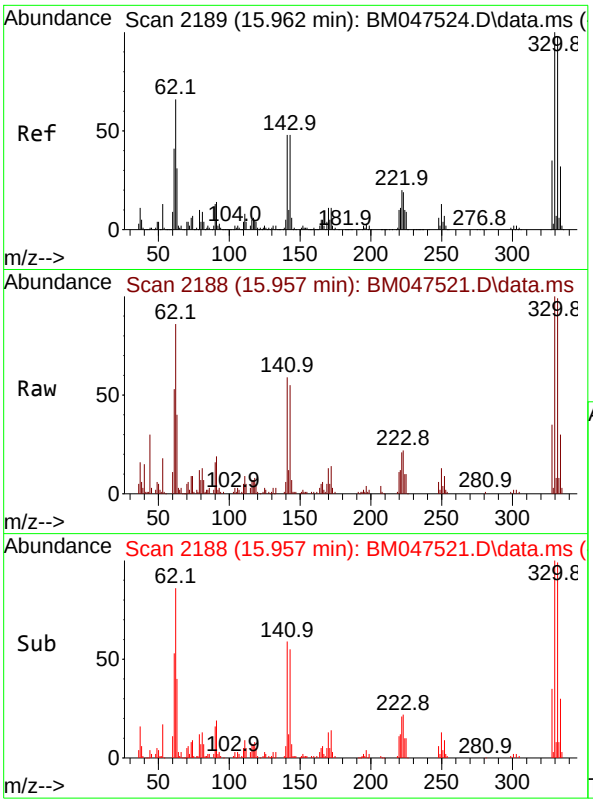


#41
Hexachlorocyclopentadiene
Concen: 4.746 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

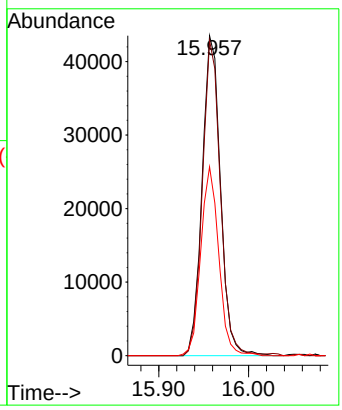




#42
2,4,6-Tribromophenol
Concen: 7.689 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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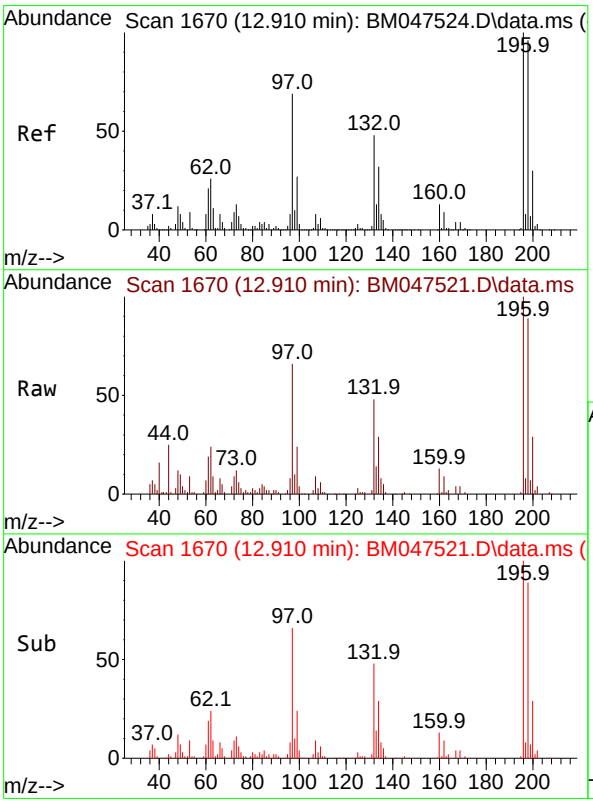
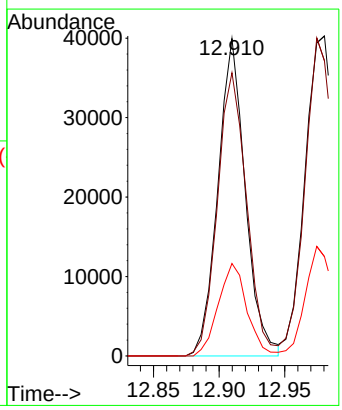
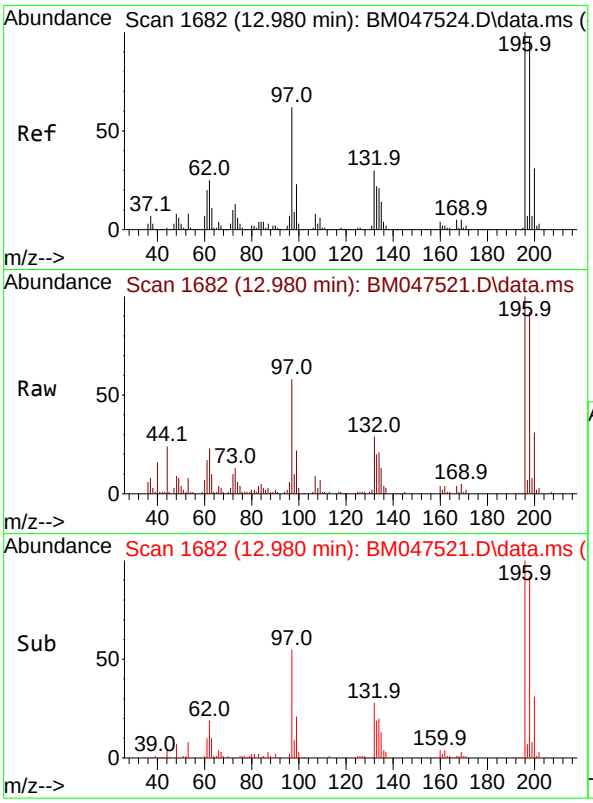


#43
2,4,6-Trichlorophenol
Concen: 4.119 ng
RT: 12.910 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

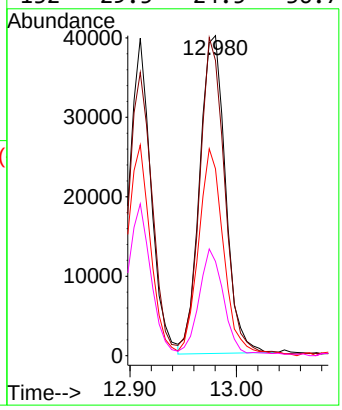




#44
2,4,5-Trichlorophenol
Concen: 4.228 ng
RT: 12.980 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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



Instrument :
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ClientSampleId :
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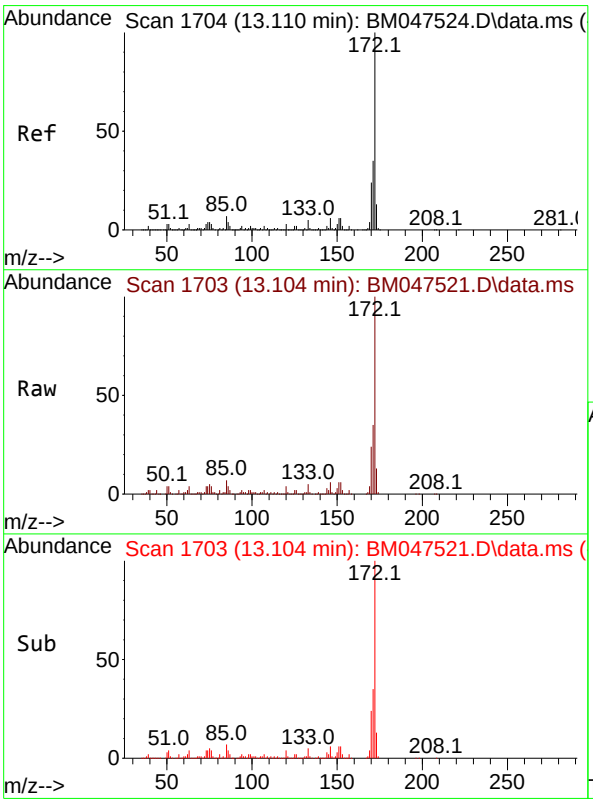
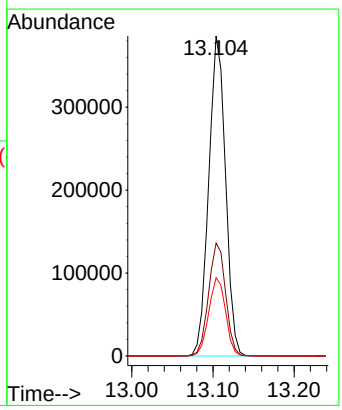
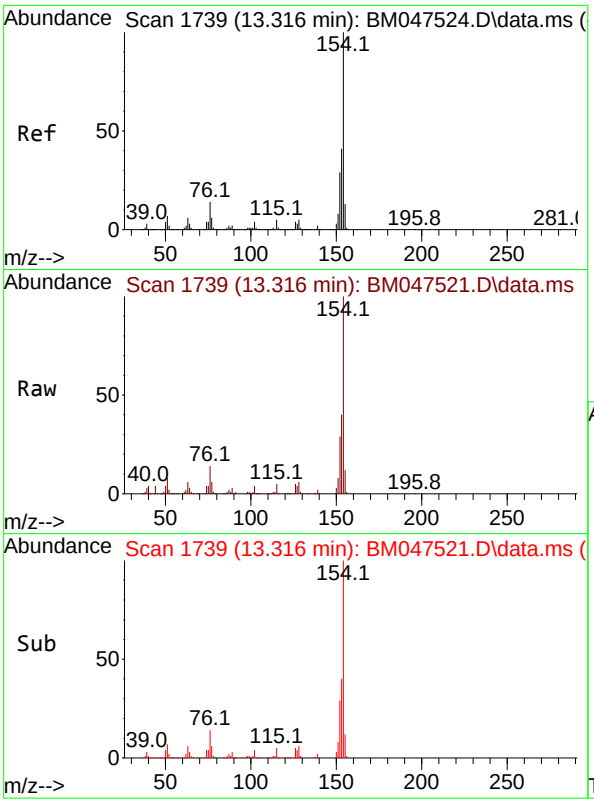


#45
2-Fluorobiphenyl
Concen: 9.167 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

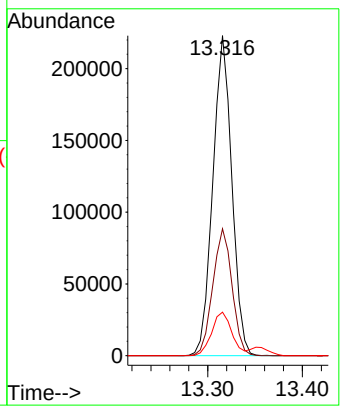




#46
1,1'-Biphenyl
Concen: 4.813 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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



Instrument :
BNA_M
ClientSampleId :
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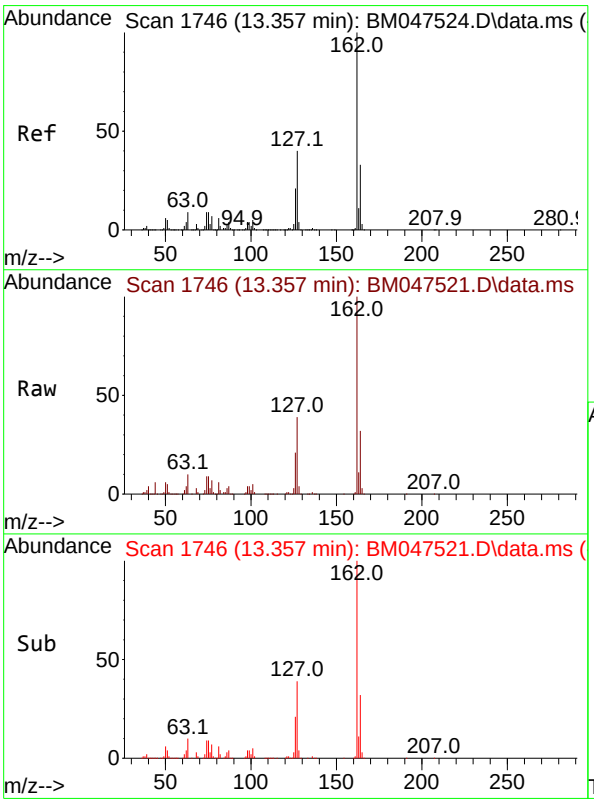
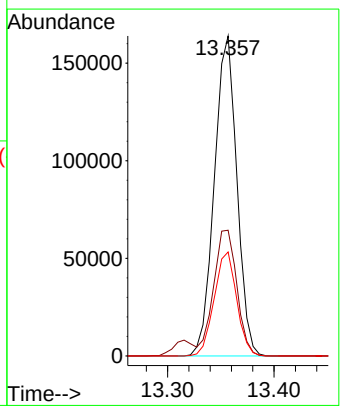
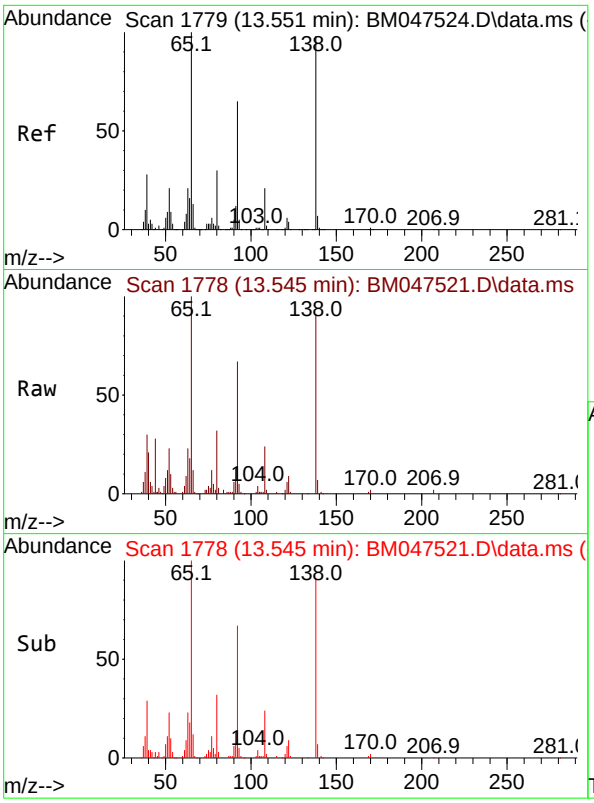


#47
2-Chloronaphthalene
Concen: 4.788 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

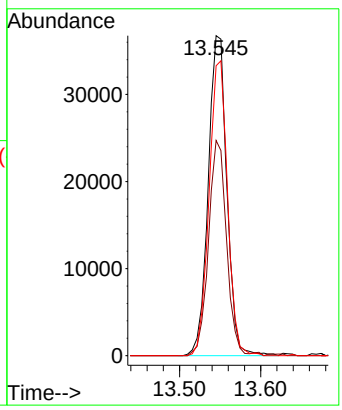




#48
2-Nitroaniline
Concen: 3.970 ng
RT: 13.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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



Instrument :
BNA_M
ClientSampleId :
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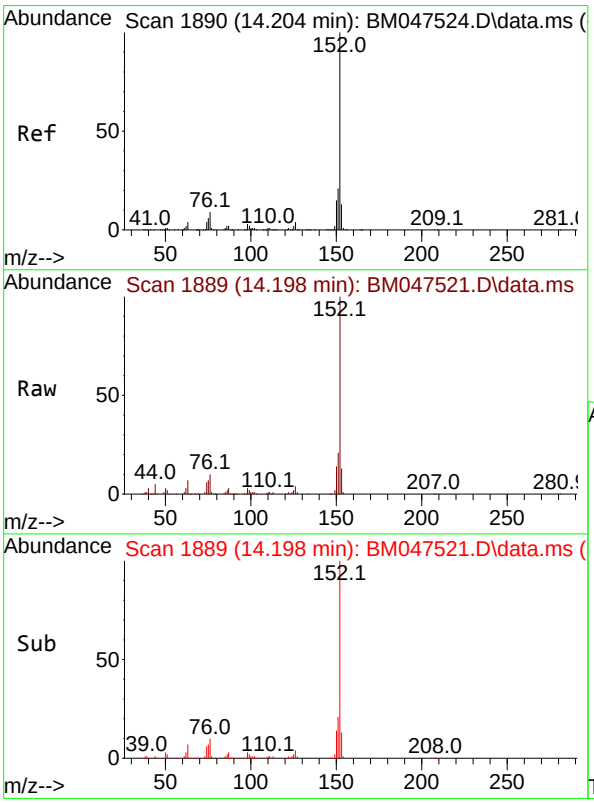
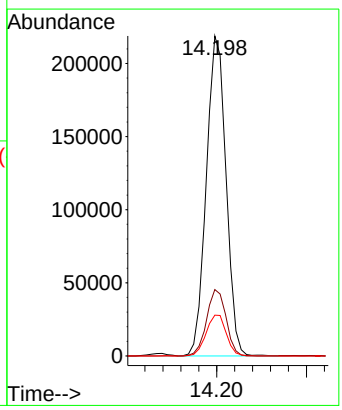
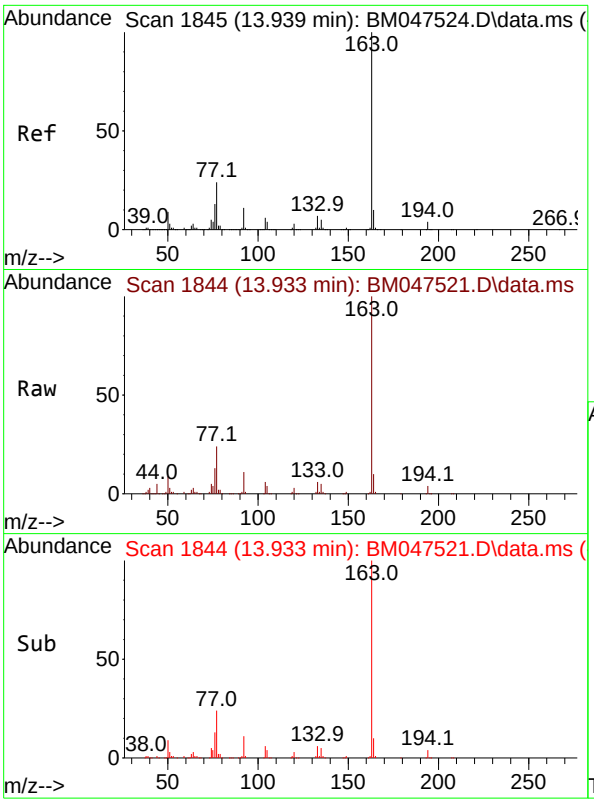


#49
Acenaphthylene
Concen: 4.607 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

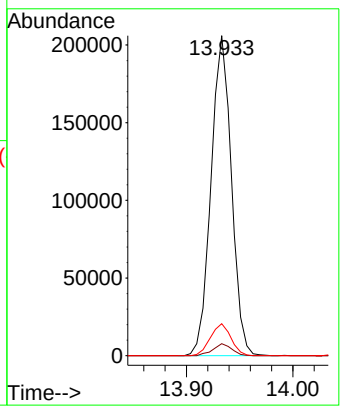




#50
Dimethylphthalate
Concen: 4.825 ng
RT: 13.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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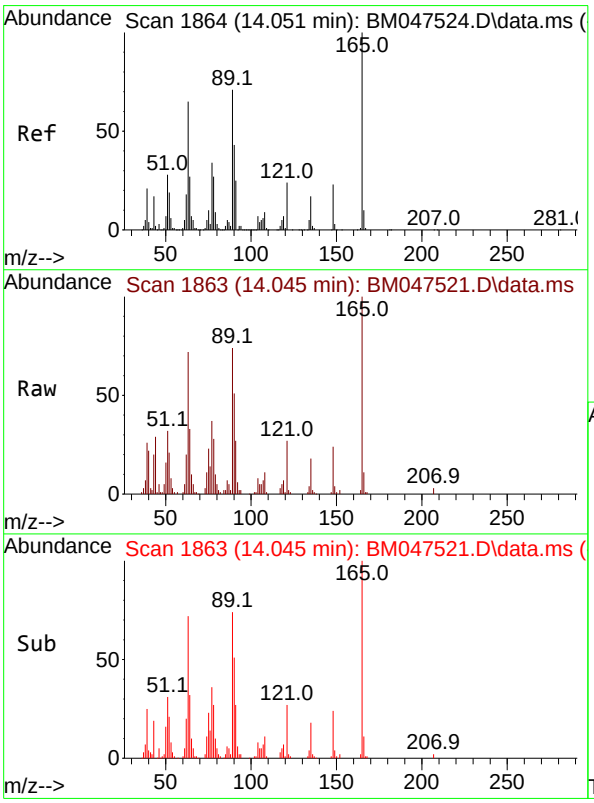
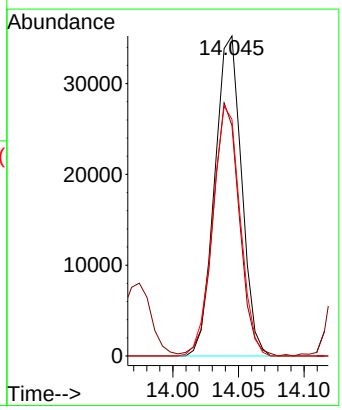
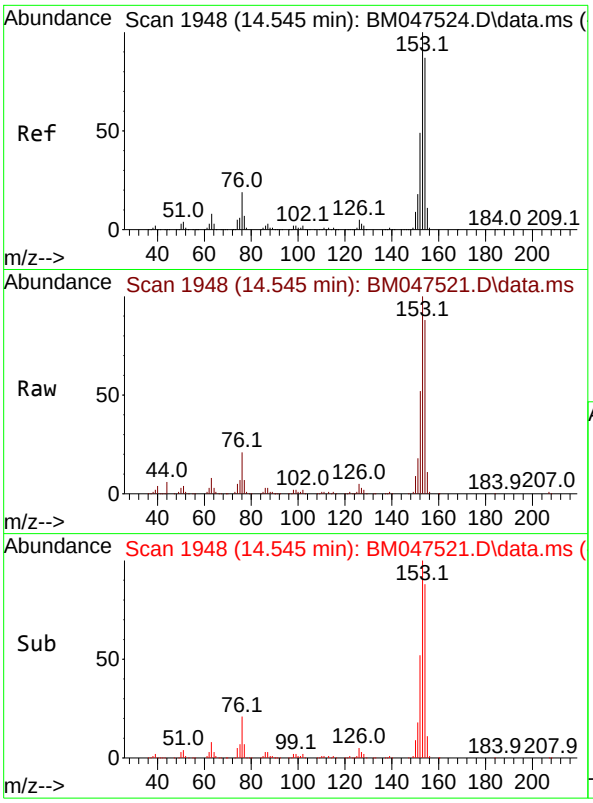


#51
2,6-Dinitrotoluene
Concen: 4.193 ng
RT: 14.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

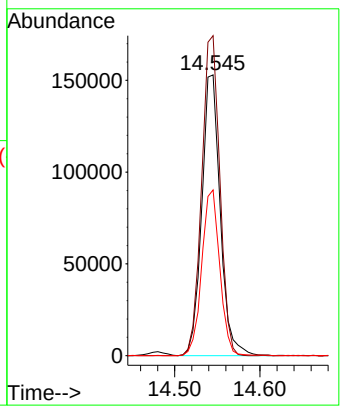




#52
Acenaphthene
Concen: 4.535 ng
RT: 14.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
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ClientSampleId :
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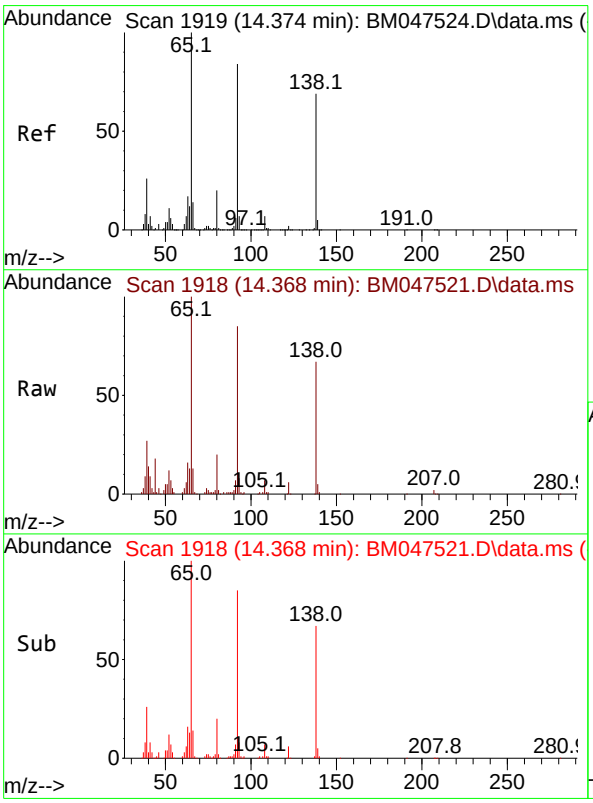
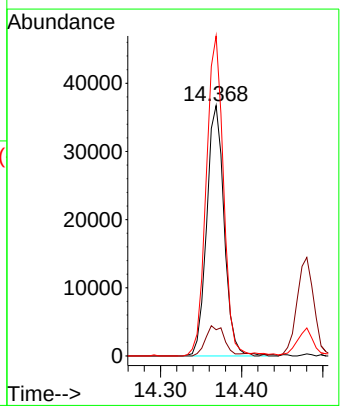
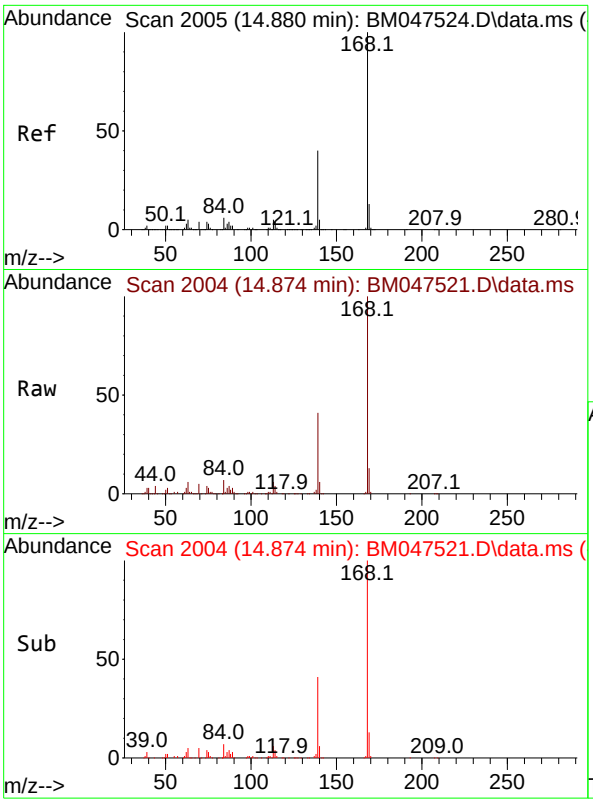


#53
3-Nitroaniline
Concen: 4.116 ng
RT: 14.368 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

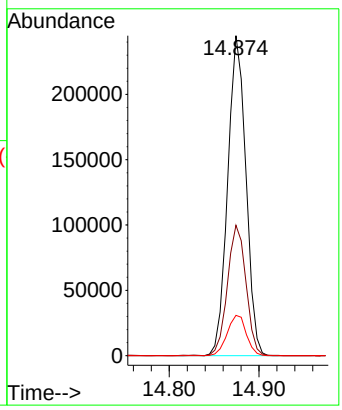




#55
Dibenzofuran
Concen: 4.832 ng
RT: 14.874 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
SSTDICC005

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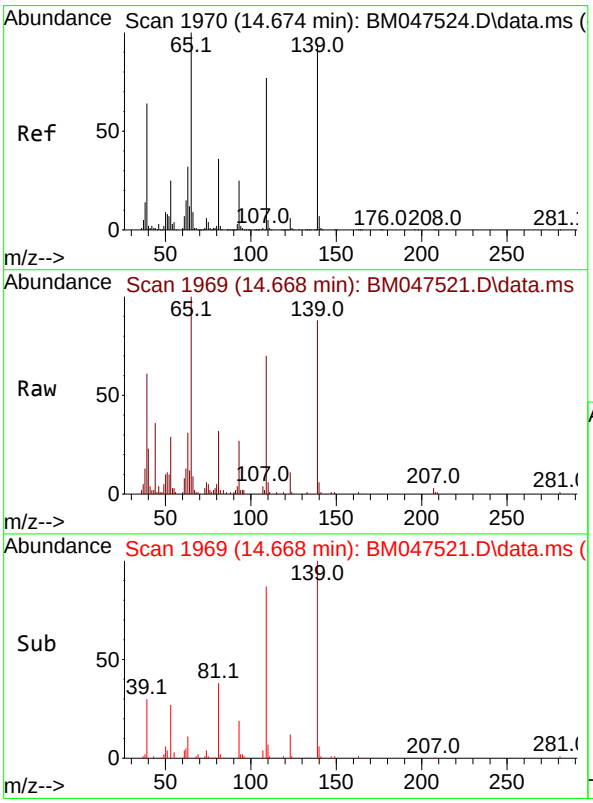
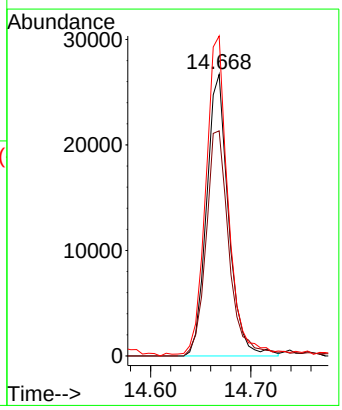
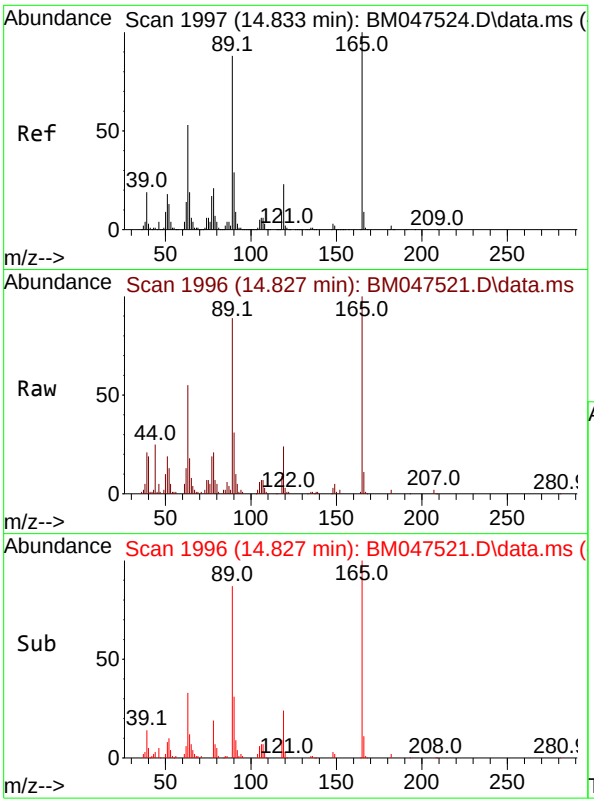


#56
4-Nitrophenol
Concen: 3.711 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

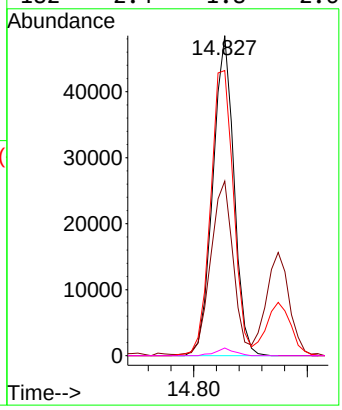




#57
2,4-Dinitrotoluene
Concen: 3.931 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
BNA_M
ClientSampleId :
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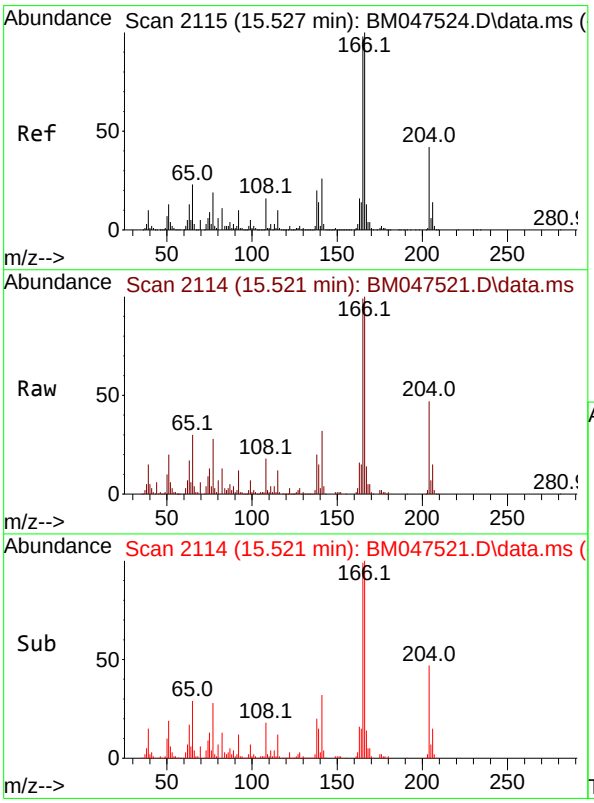
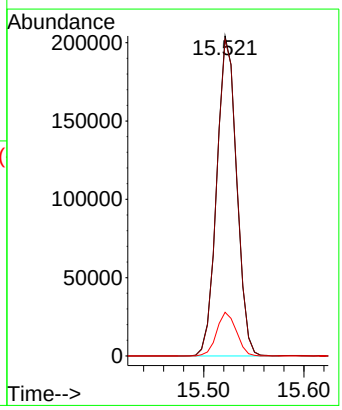
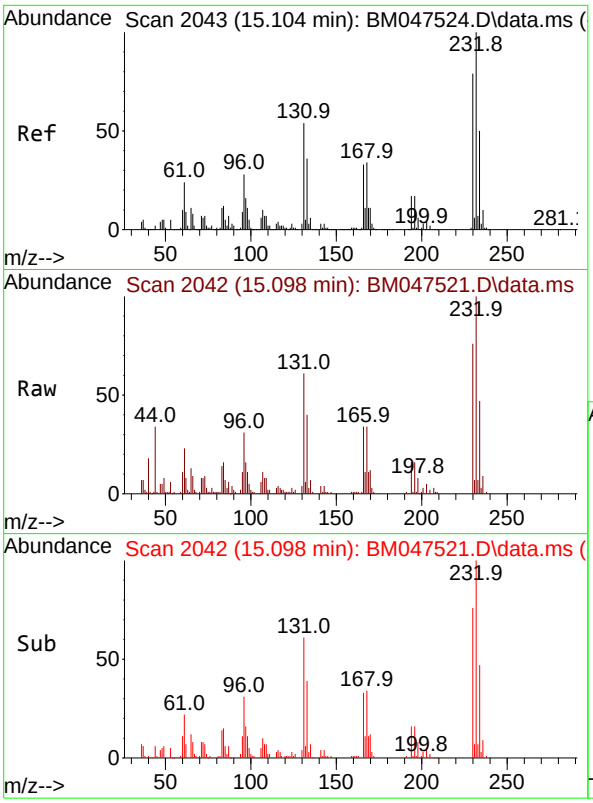


#58
Fluorene
Concen: 4.366 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

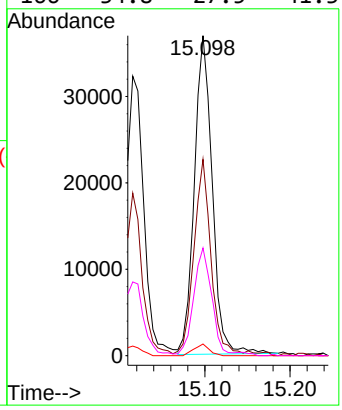




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.335 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
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ClientSampleId :
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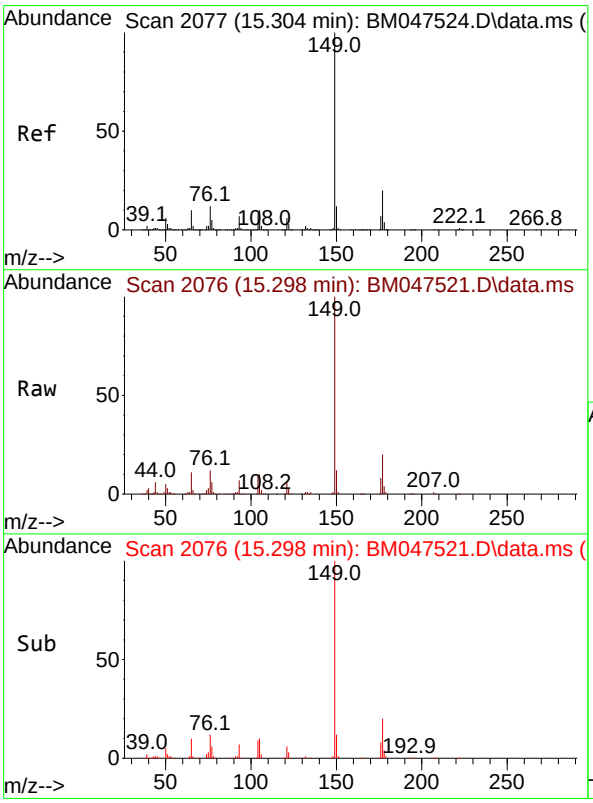
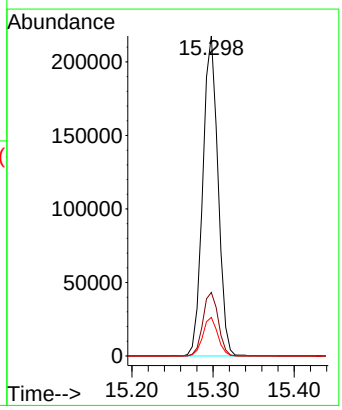
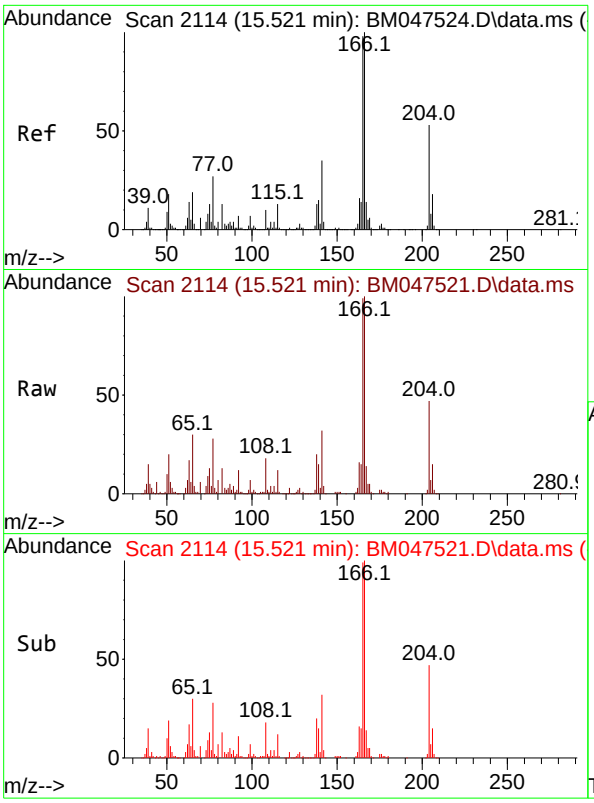


#60
Diethylphthalate
Concen: 4.681 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

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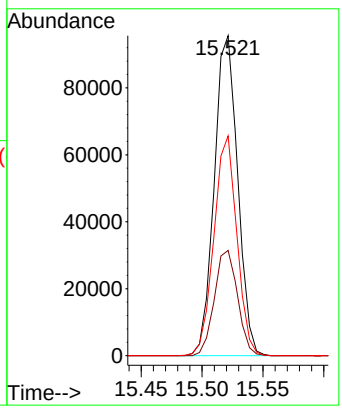
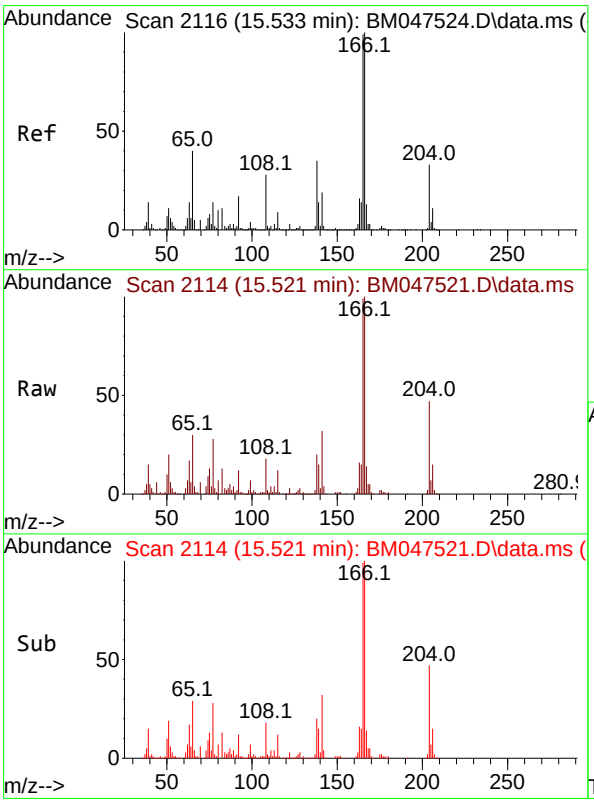
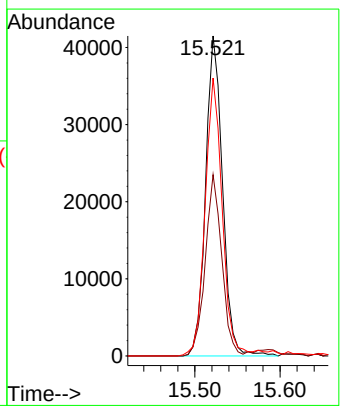


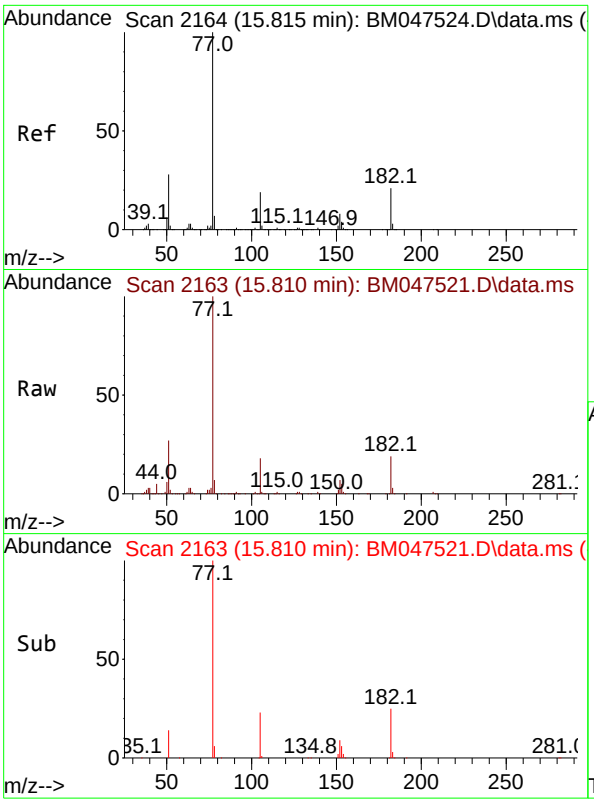


#62
4-Nitroaniline
Concen: 3.667 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

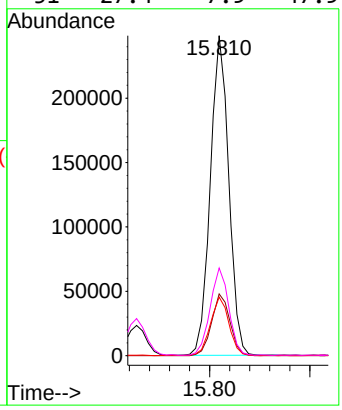




#63
Azobenzene
Concen: 4.777 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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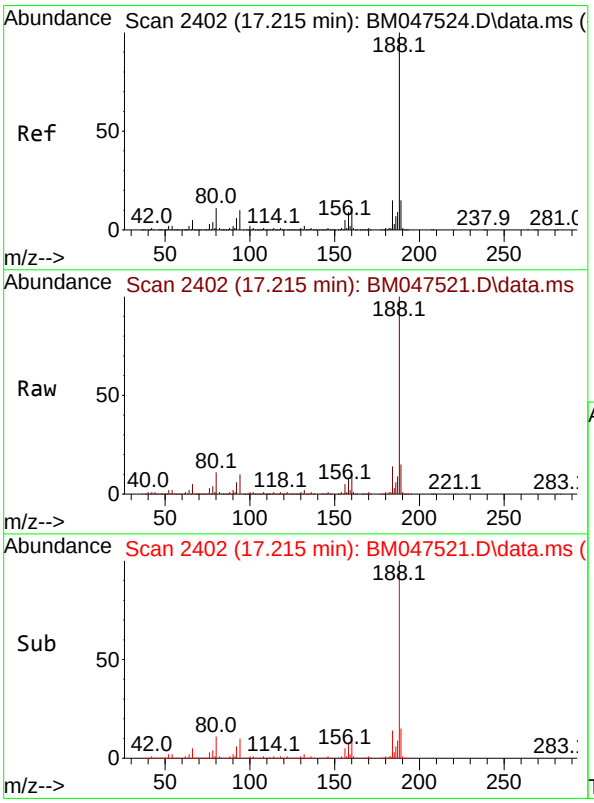
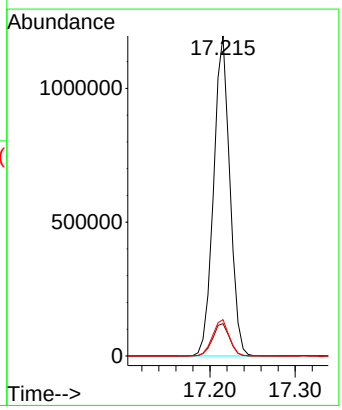
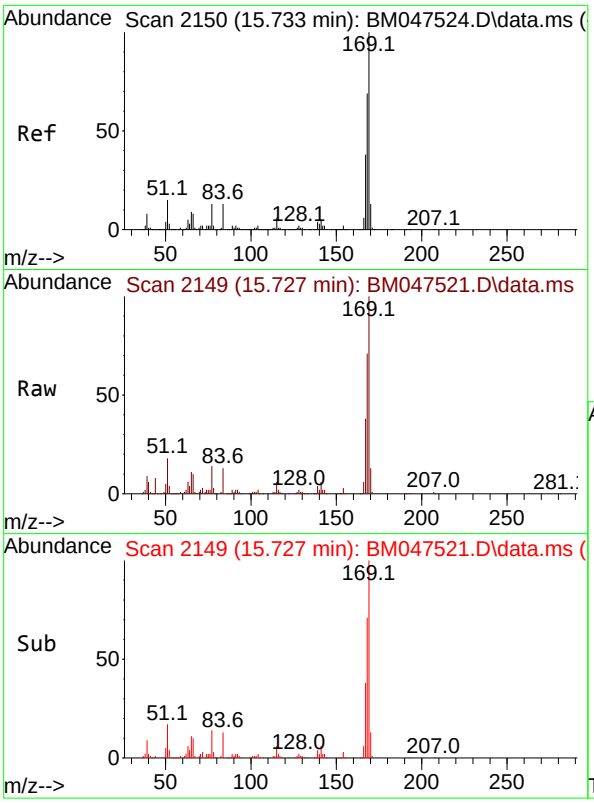


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

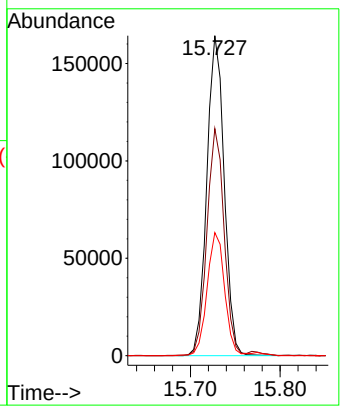




#66
n-Nitrosodiphenylamine
Concen: 4.559 ng
RT: 15.727 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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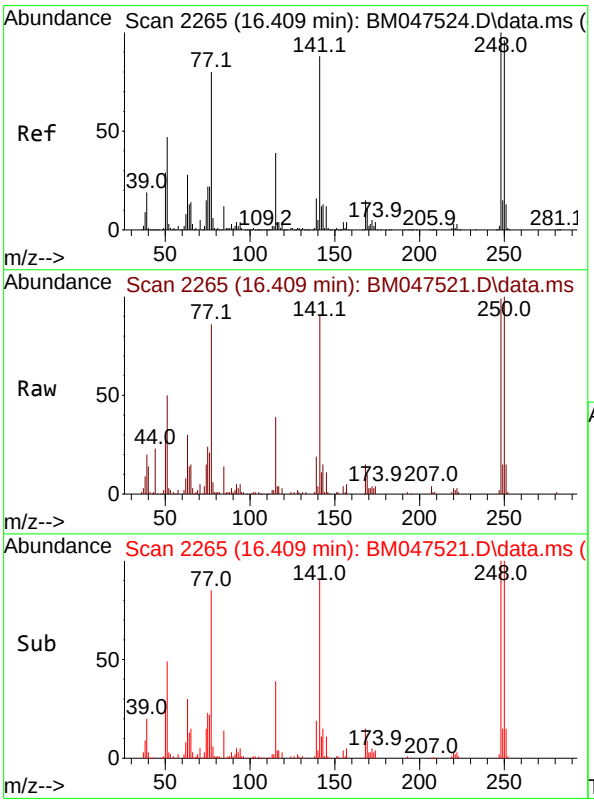
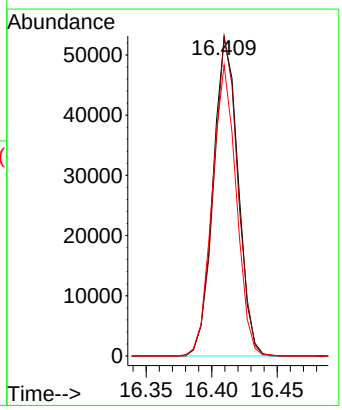
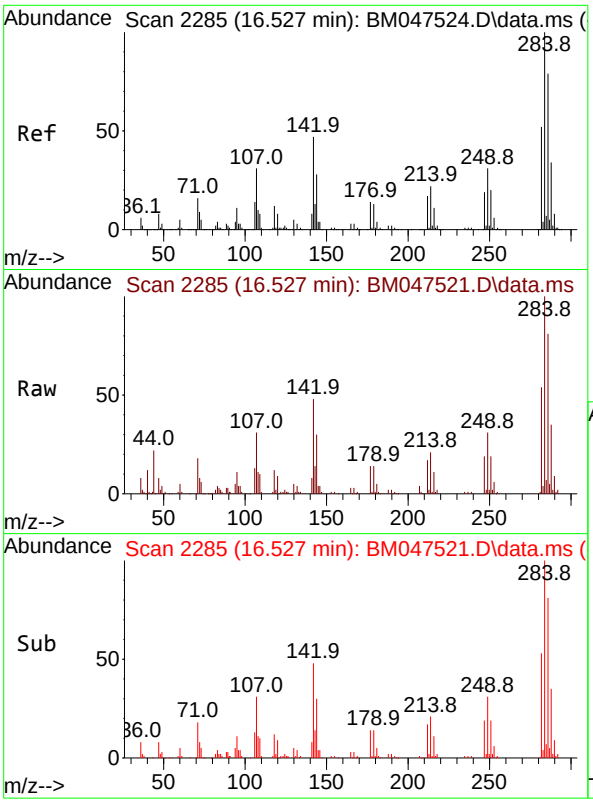


#67
4-Bromophenyl-phenylether
Concen: 4.538 ng
RT: 16.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

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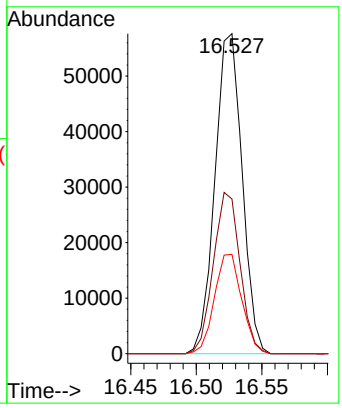
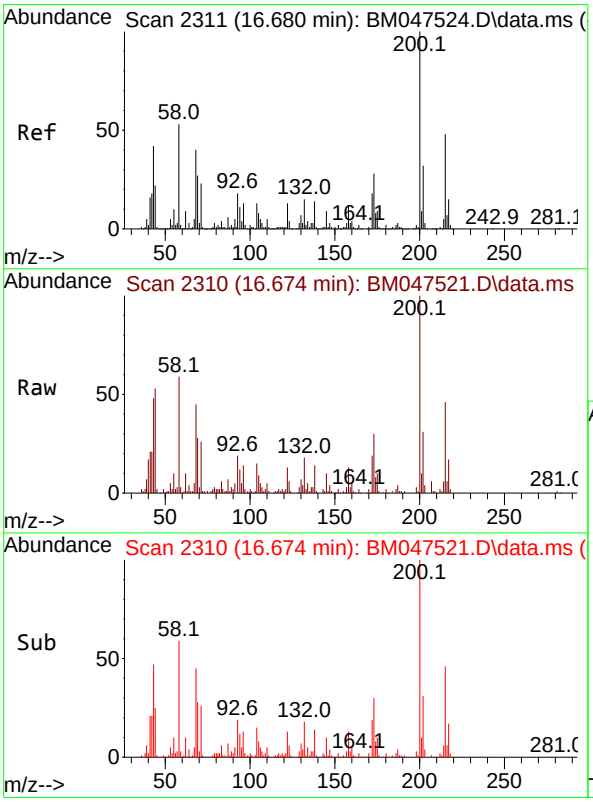
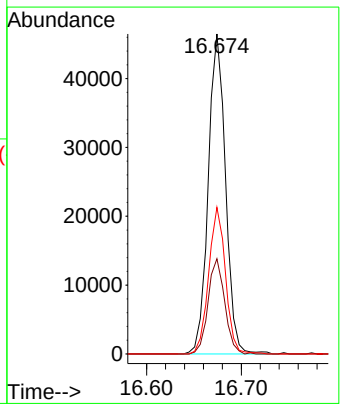


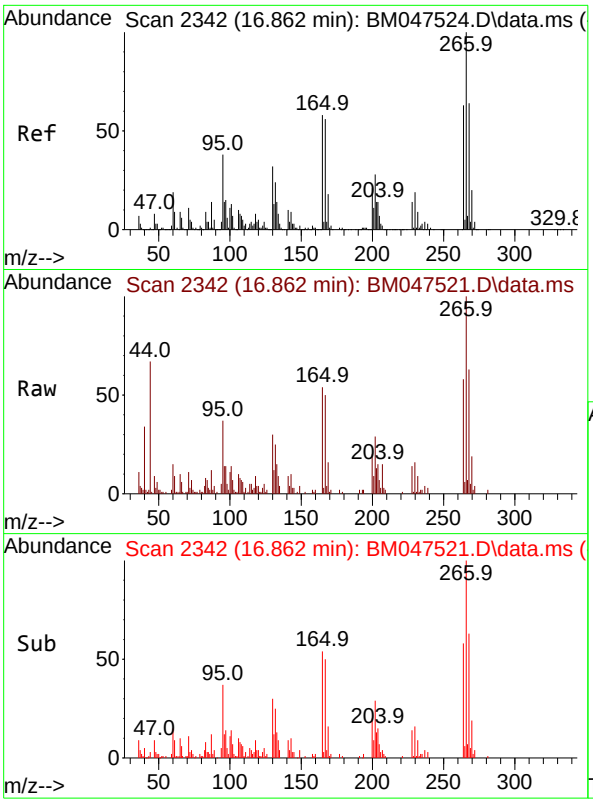


#69
Atrazine
Concen: 4.392 ng
RT: 16.674 min Scan# 2310
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

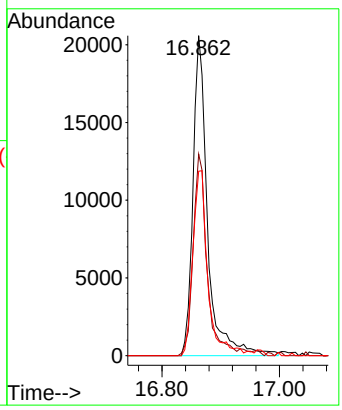




#70
Pentachlorophenol
Concen: 3.517 ng
RT: 16.862 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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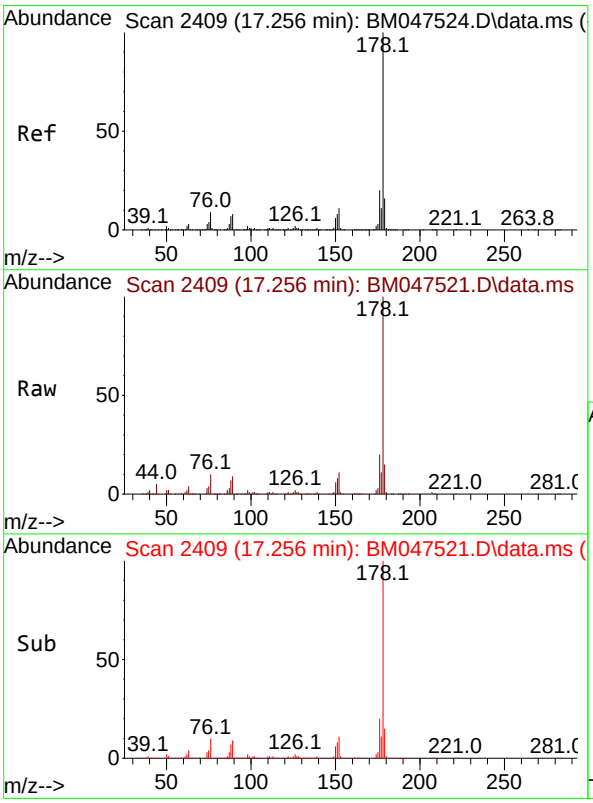
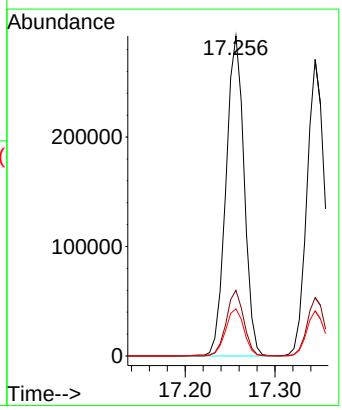
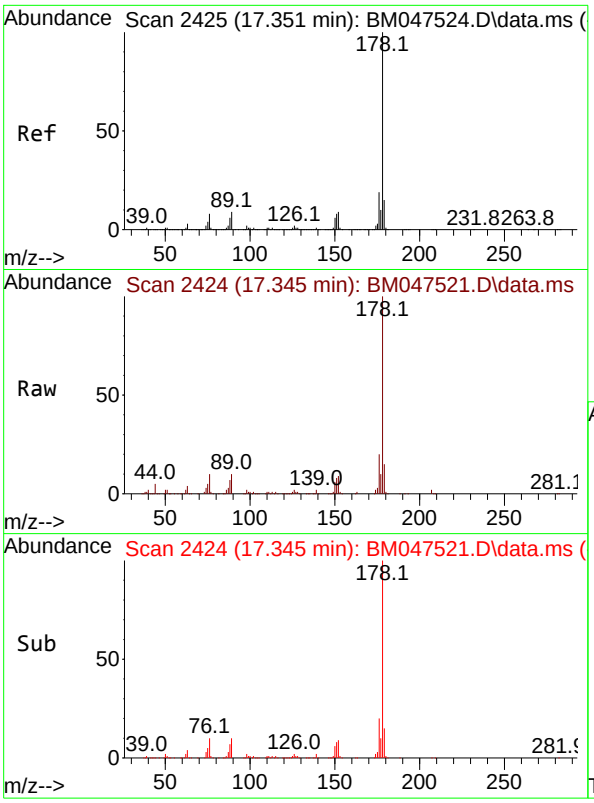


#71
Phenanthrene
Concen: 4.705 ng
RT: 17.256 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

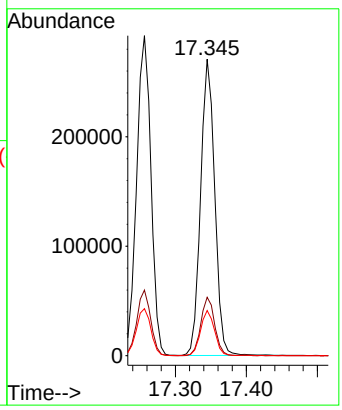




#72
Anthracene
Concen: 4.475 ng
RT: 17.345 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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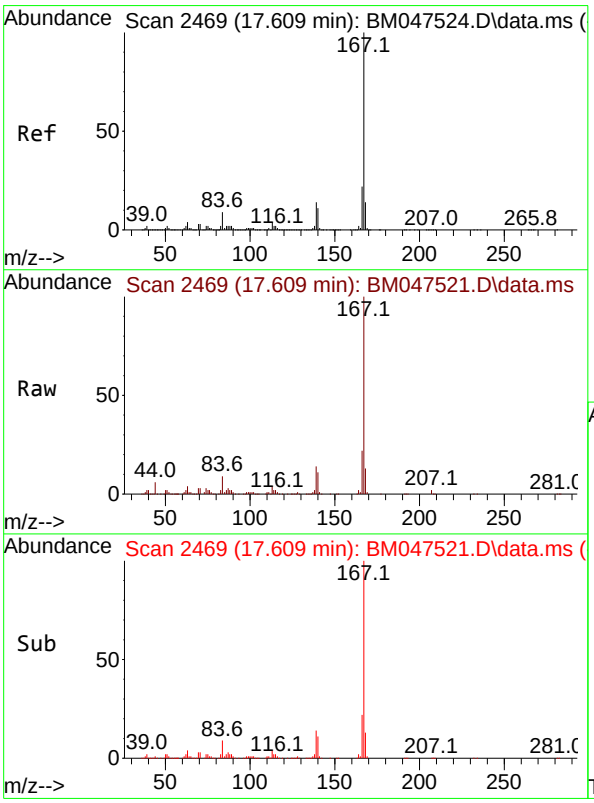
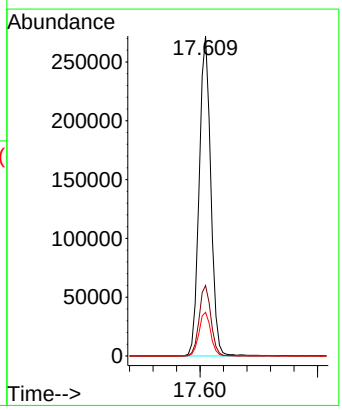
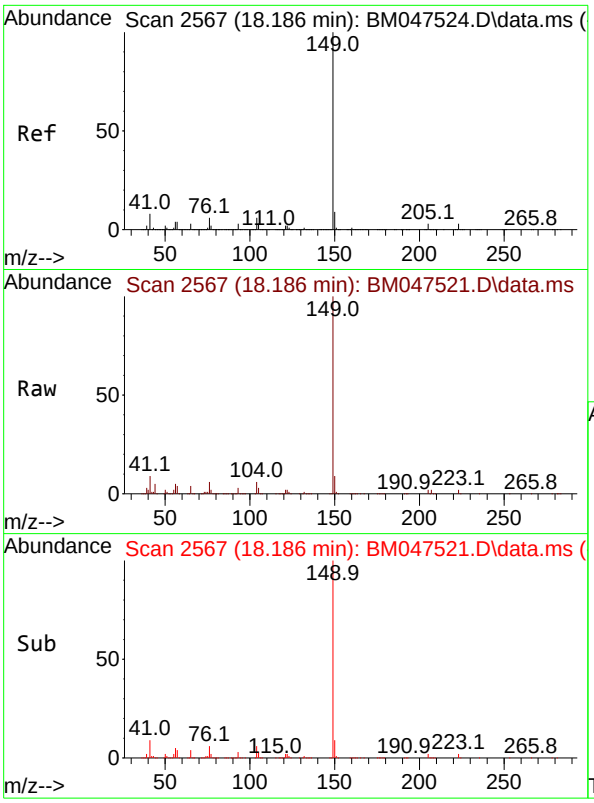


#73
Carbazole
Concen: 4.488 ng
RT: 17.609 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

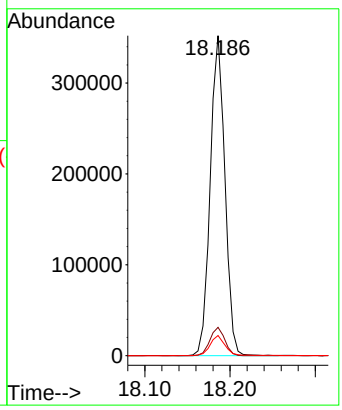




#74
Di-n-butylphthalate
Concen: 4.237 ng
RT: 18.186 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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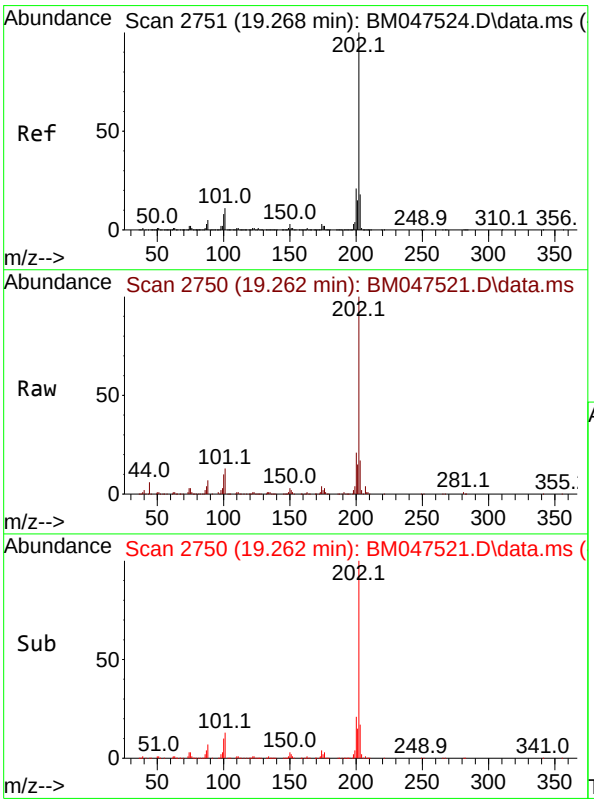
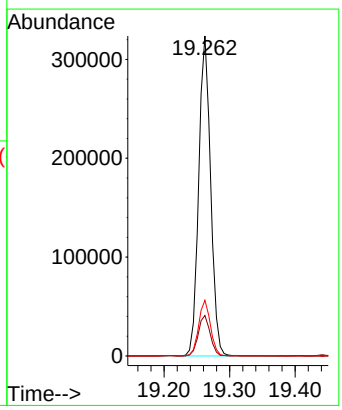
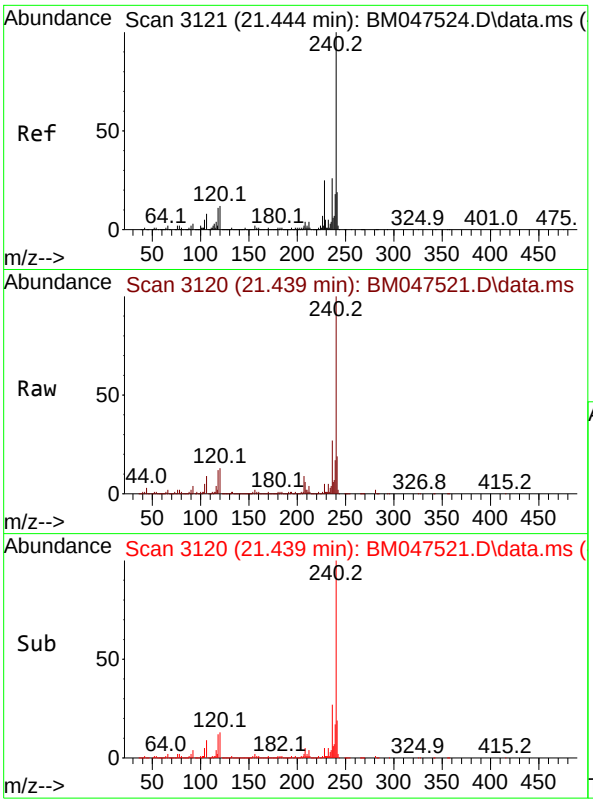


#75
Fluoranthene
Concen: 4.309 ng
RT: 19.262 min Scan# 2750
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

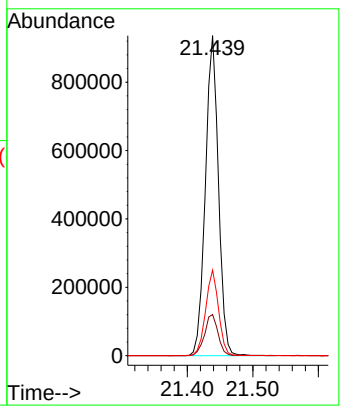




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
BNA_M
ClientSampleId :
SSTDICC005

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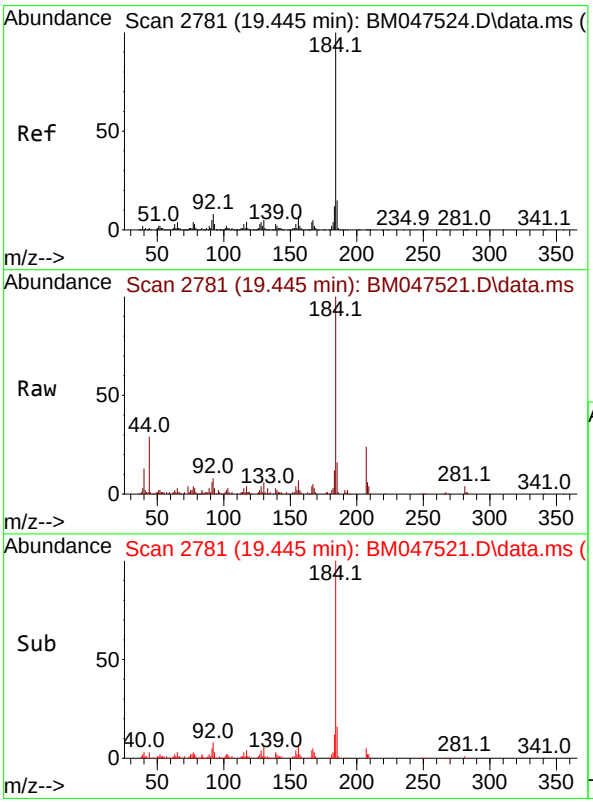
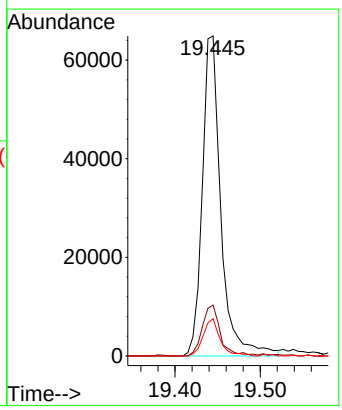
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

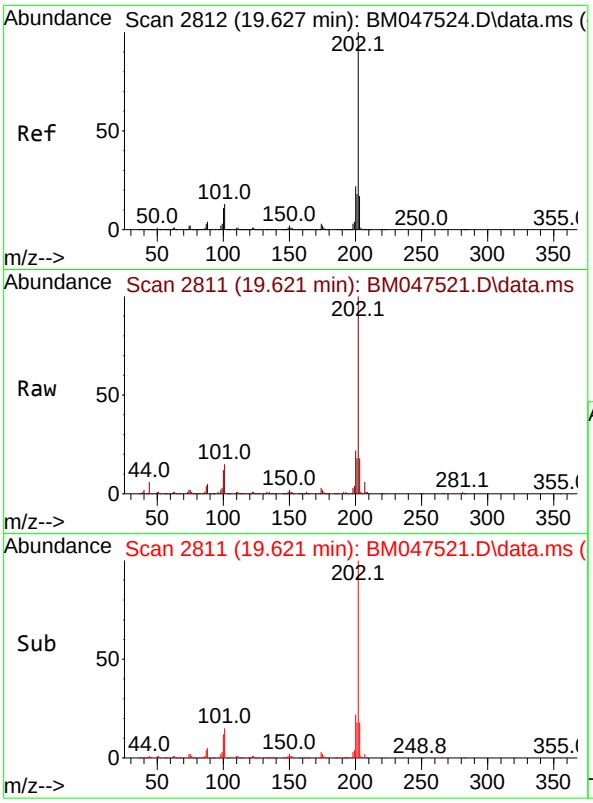


#77
Benzidine
Concen: 5.384 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

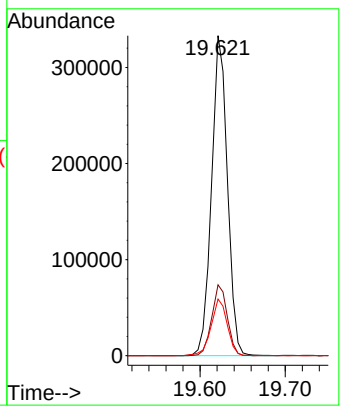




#78
Pyrene
Concen: 4.547 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

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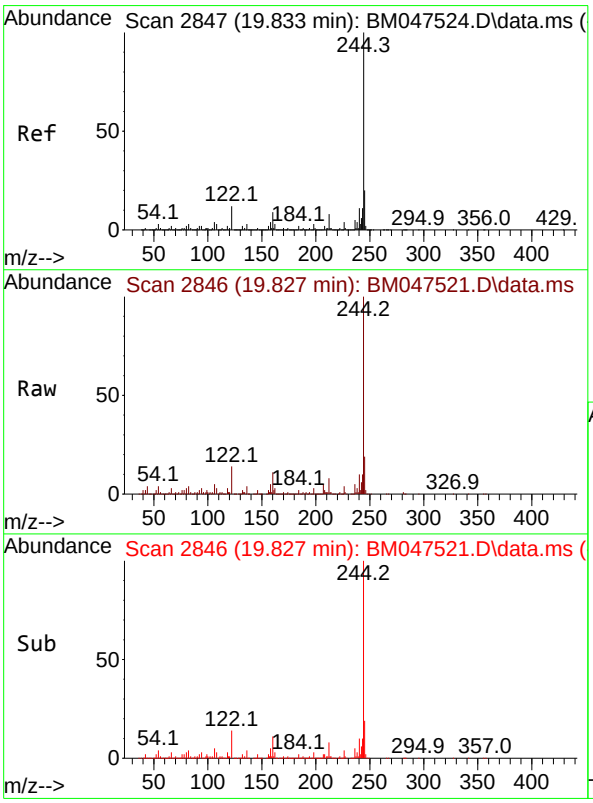
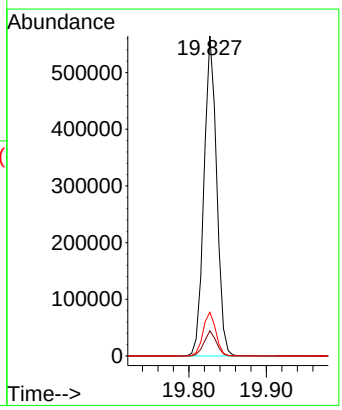
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

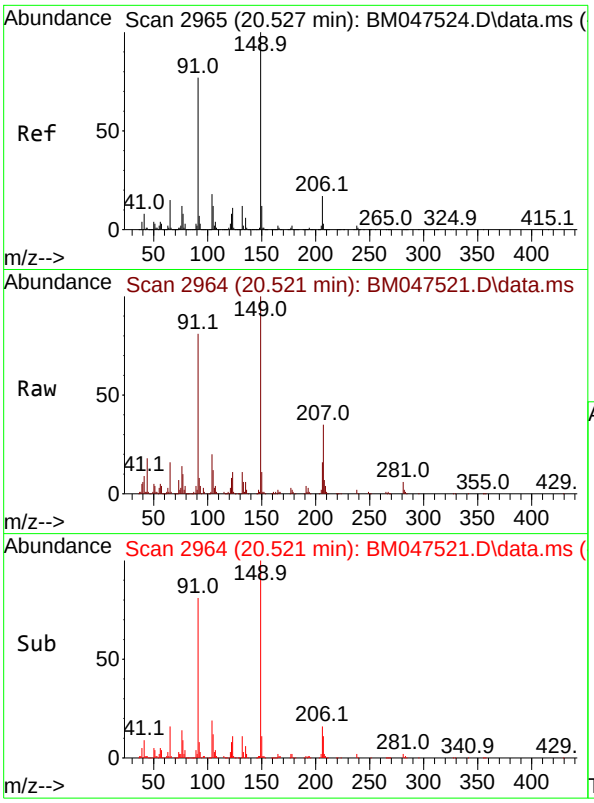


#79
Terphenyl-d14
Concen: 8.858 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

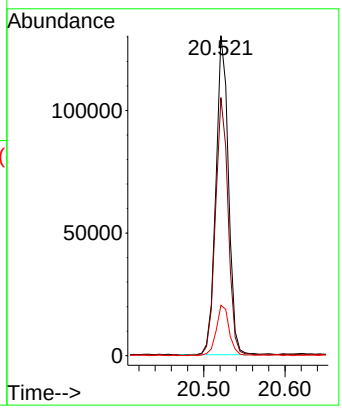




#80
Butylbenzylphthalate
Concen: 3.854 ng
RT: 20.521 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
SSTDICC005

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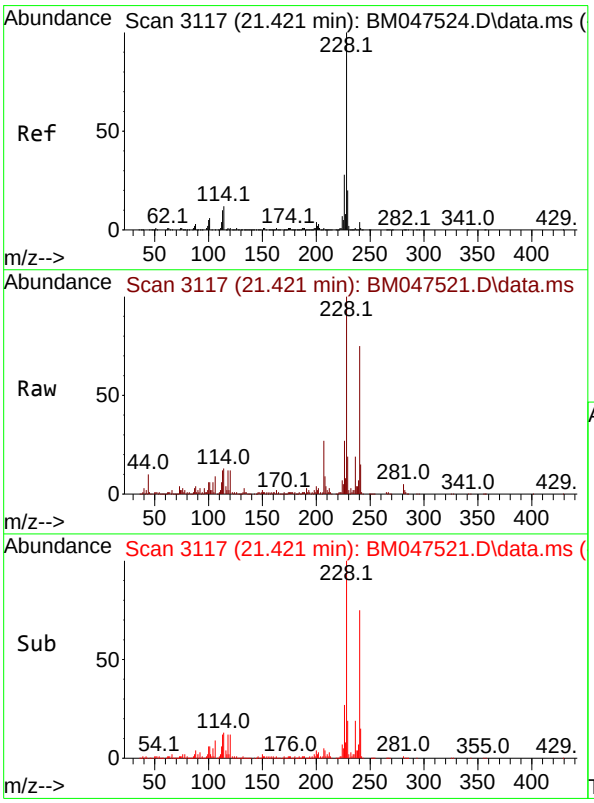
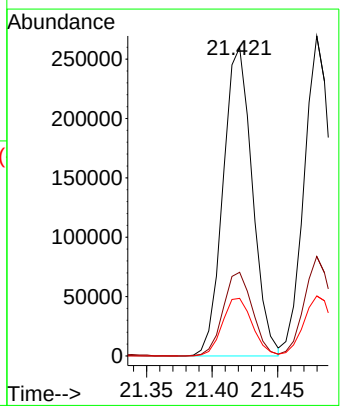
Supervised By :mohammad ahmed 09/17/2024

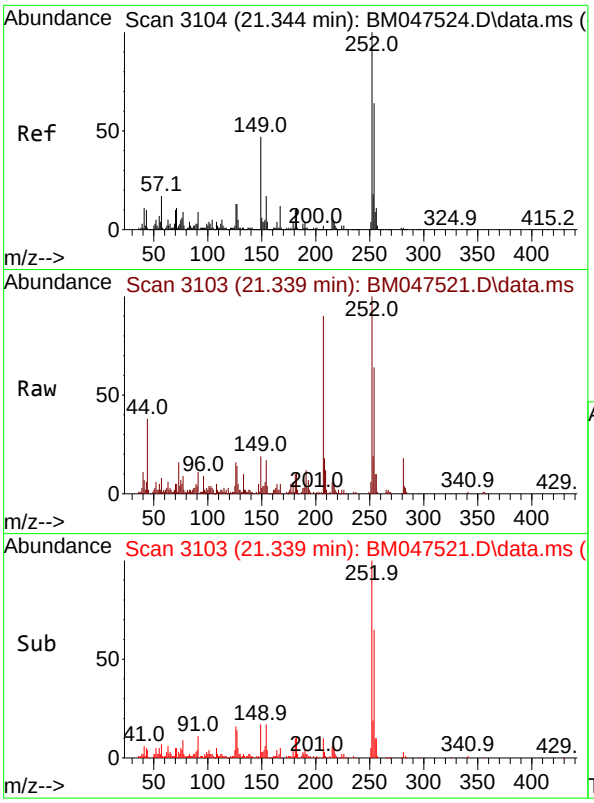


#81
Benzo(a)anthracene
Concen: 4.775 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

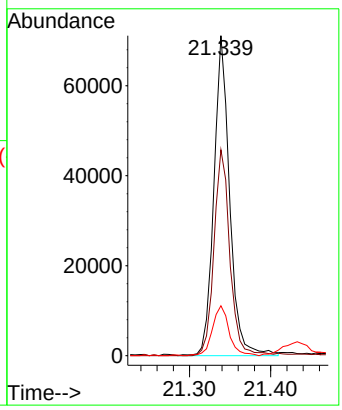




#82
3,3'-Dichlorobenzidine
Concen: 4.277 ng
RT: 21.339 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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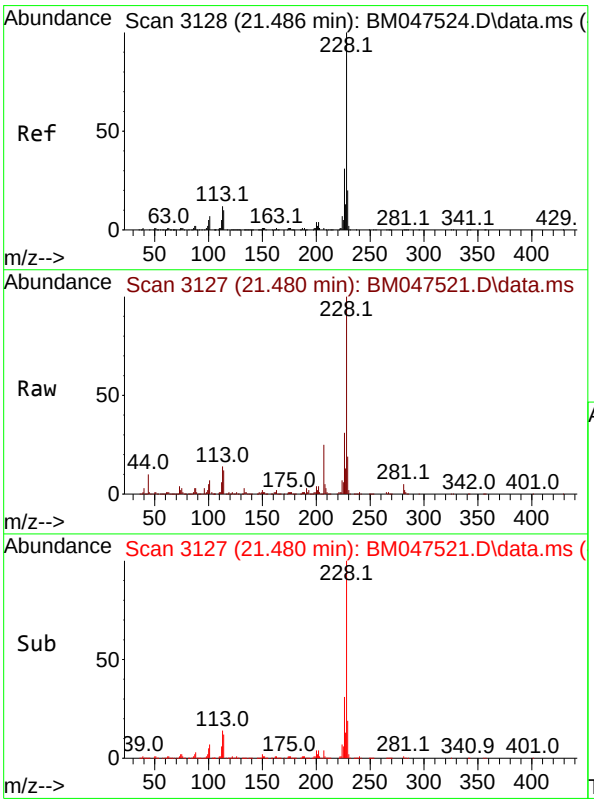
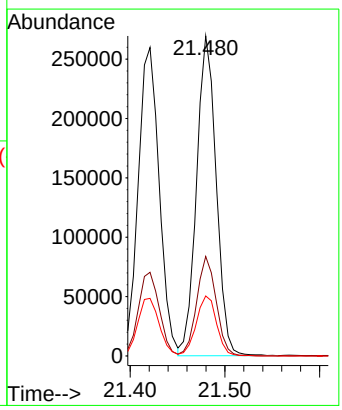
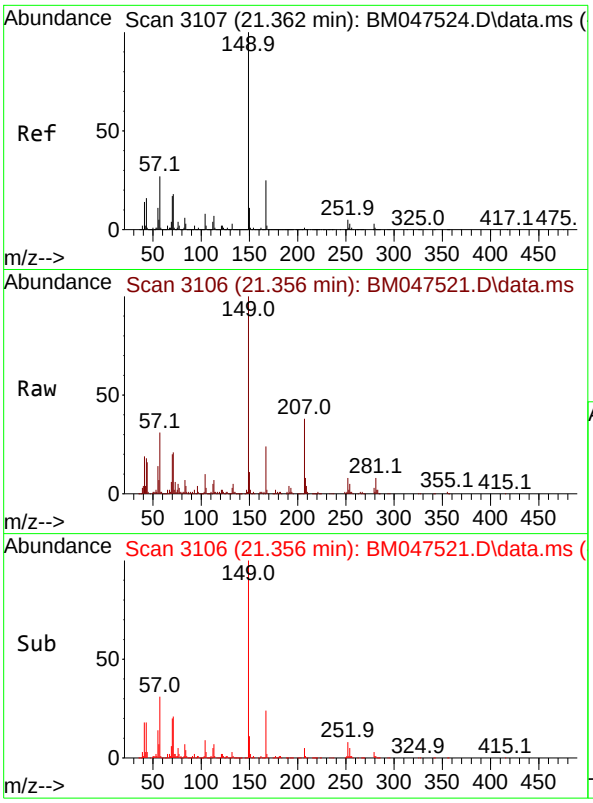


#83
Chrysene
Concen: 4.851 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

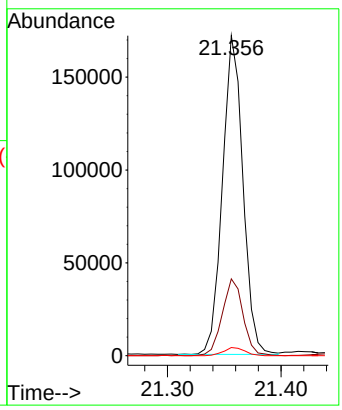




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.767 ng
RT: 21.356 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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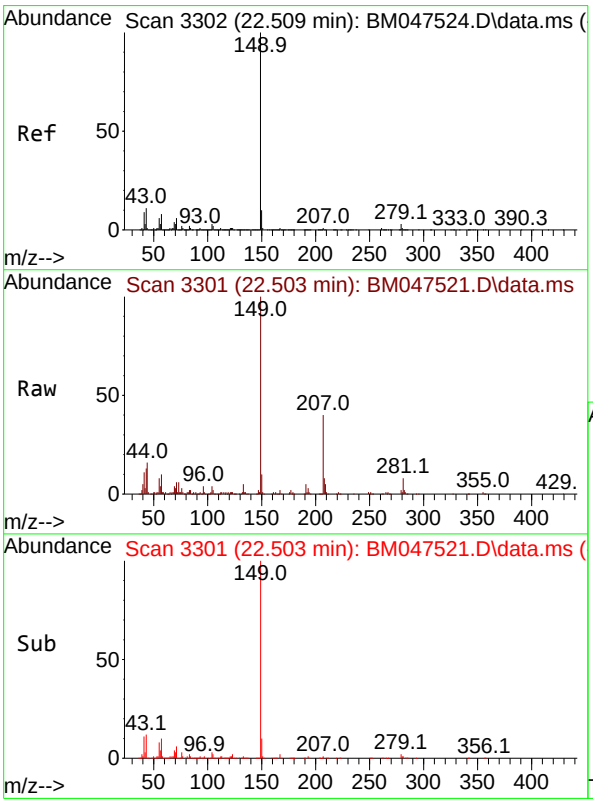
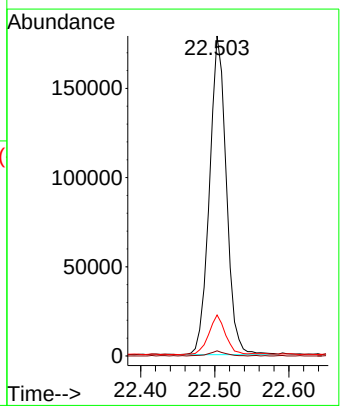
Supervised By :mohammad ahmed 09/17/2024

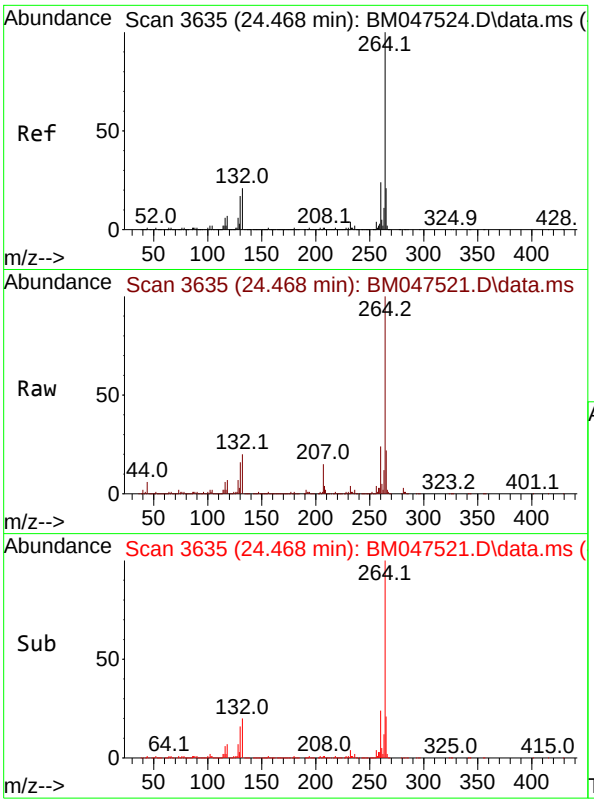


#85
Di-n-octyl phthalate
Concen: 3.506 ng
RT: 22.503 min Scan# 3301
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

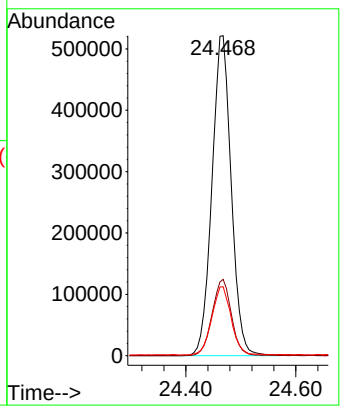




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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 :
SSTDICC005

Manual Integrations
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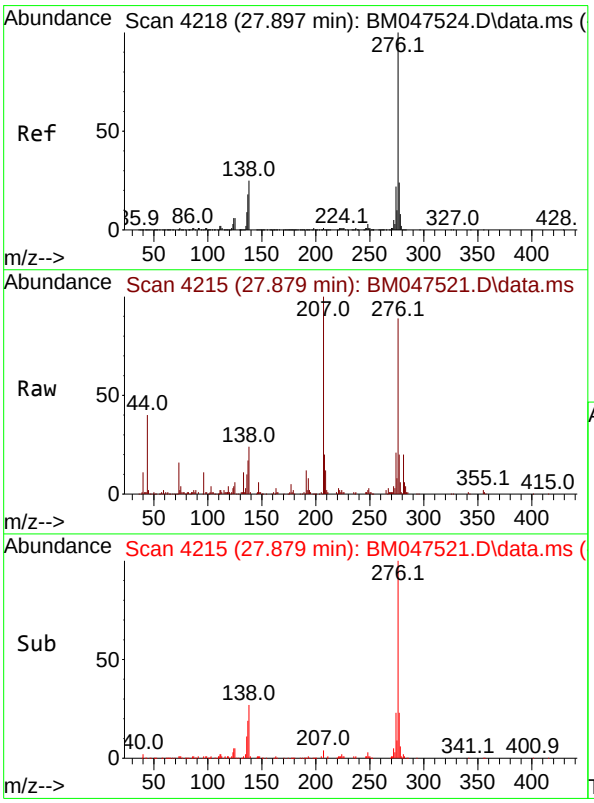
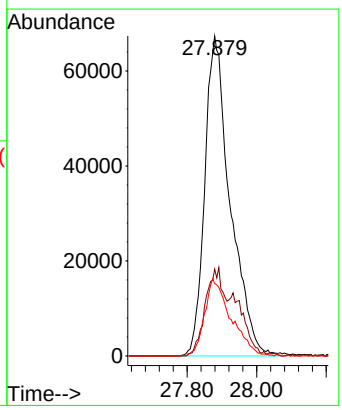
Supervised By :mohammad ahmed 09/17/2024

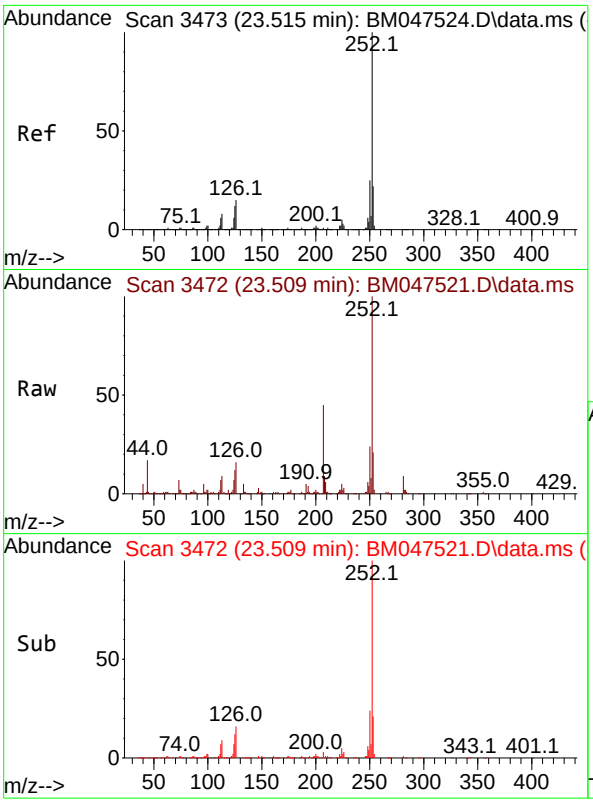


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.507 ng
RT: 27.879 min Scan# 4215
Delta R.T. -0.018 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

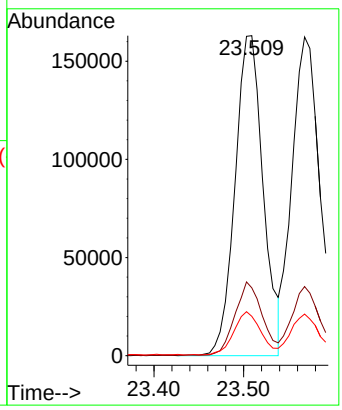




#88
Benzo(b)fluoranthene
Concen: 4.329 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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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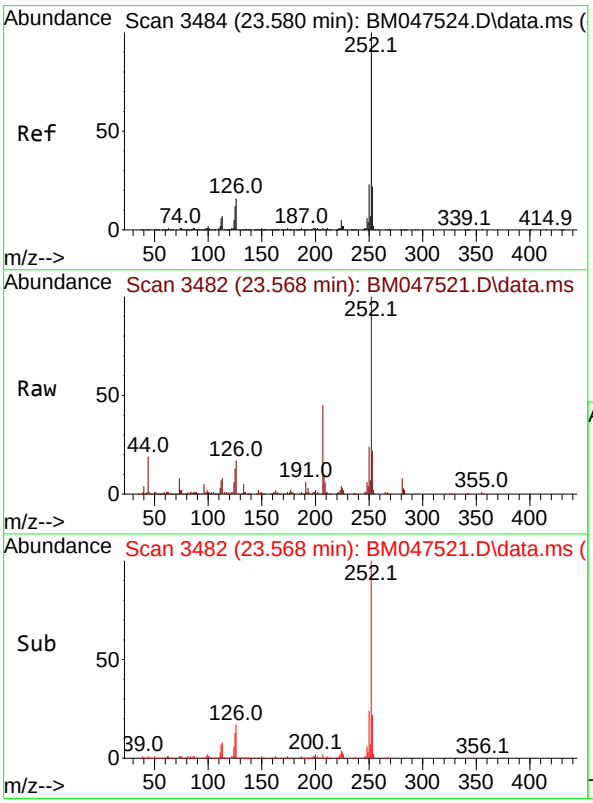
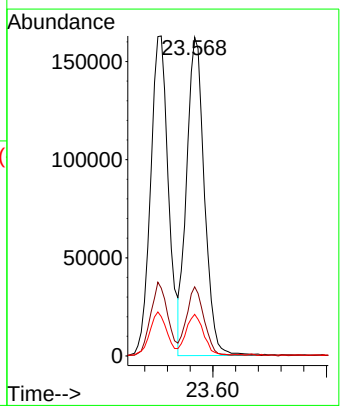
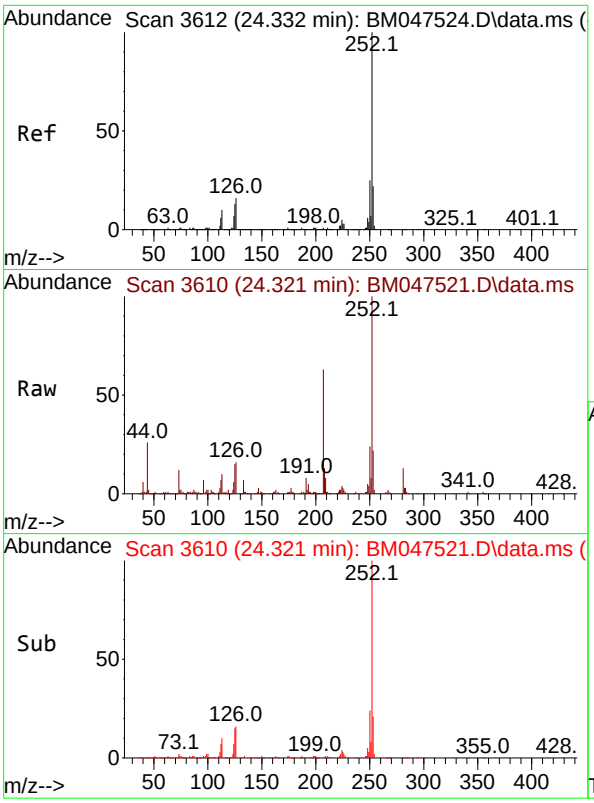


#89
Benzo(k)fluoranthene
Concen: 4.341 ng
RT: 23.568 min Scan# 3482
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

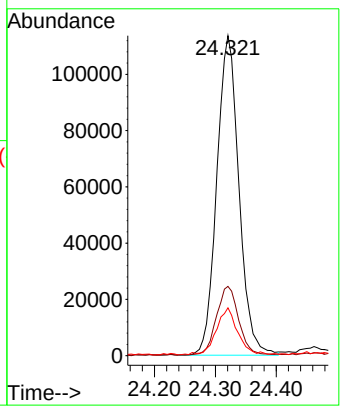




#90
Benzo(a)pyrene
Concen: 4.269 ng
RT: 24.321 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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
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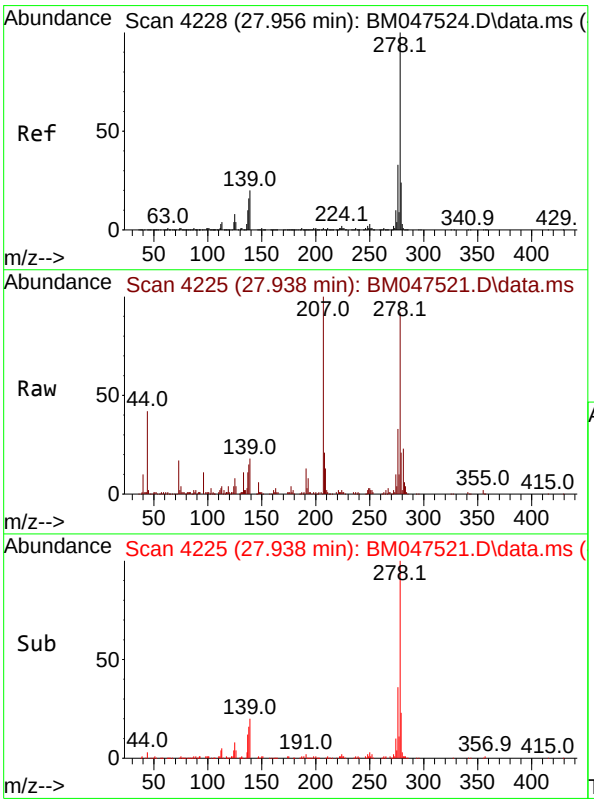
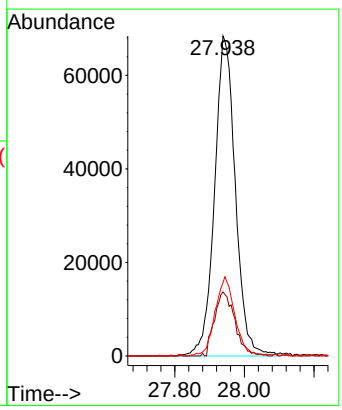
Supervised By :mohammad ahmed 09/17/2024

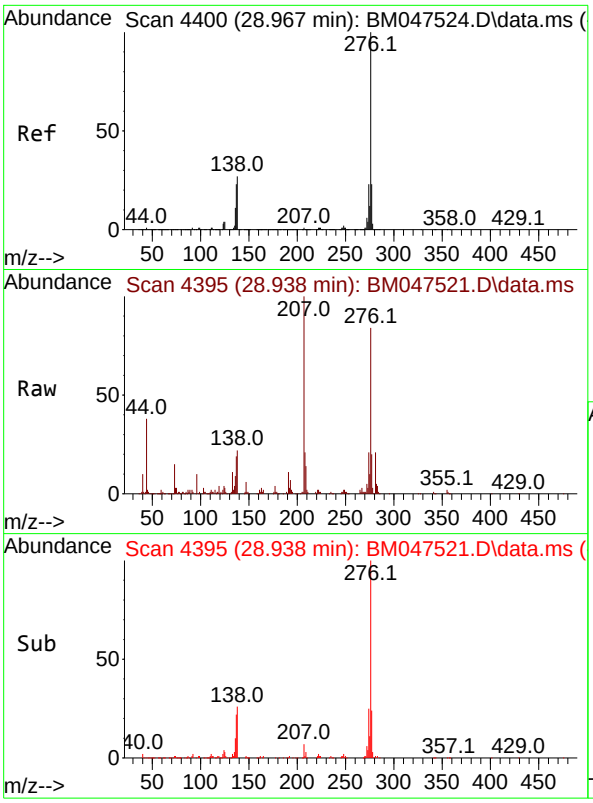


#91
Dibenzo(a,h)anthracene
Concen: 4.441 ng
RT: 27.938 min Scan# 4225
Delta R.T. -0.018 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

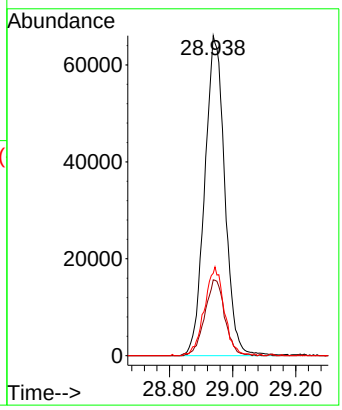




#92
Benzo(g,h,i)perylene
Concen: 4.661 ng
RT: 28.938 min Scan# 4
Delta R.T. -0.029 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

ICAL Form

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

ICAL Form

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
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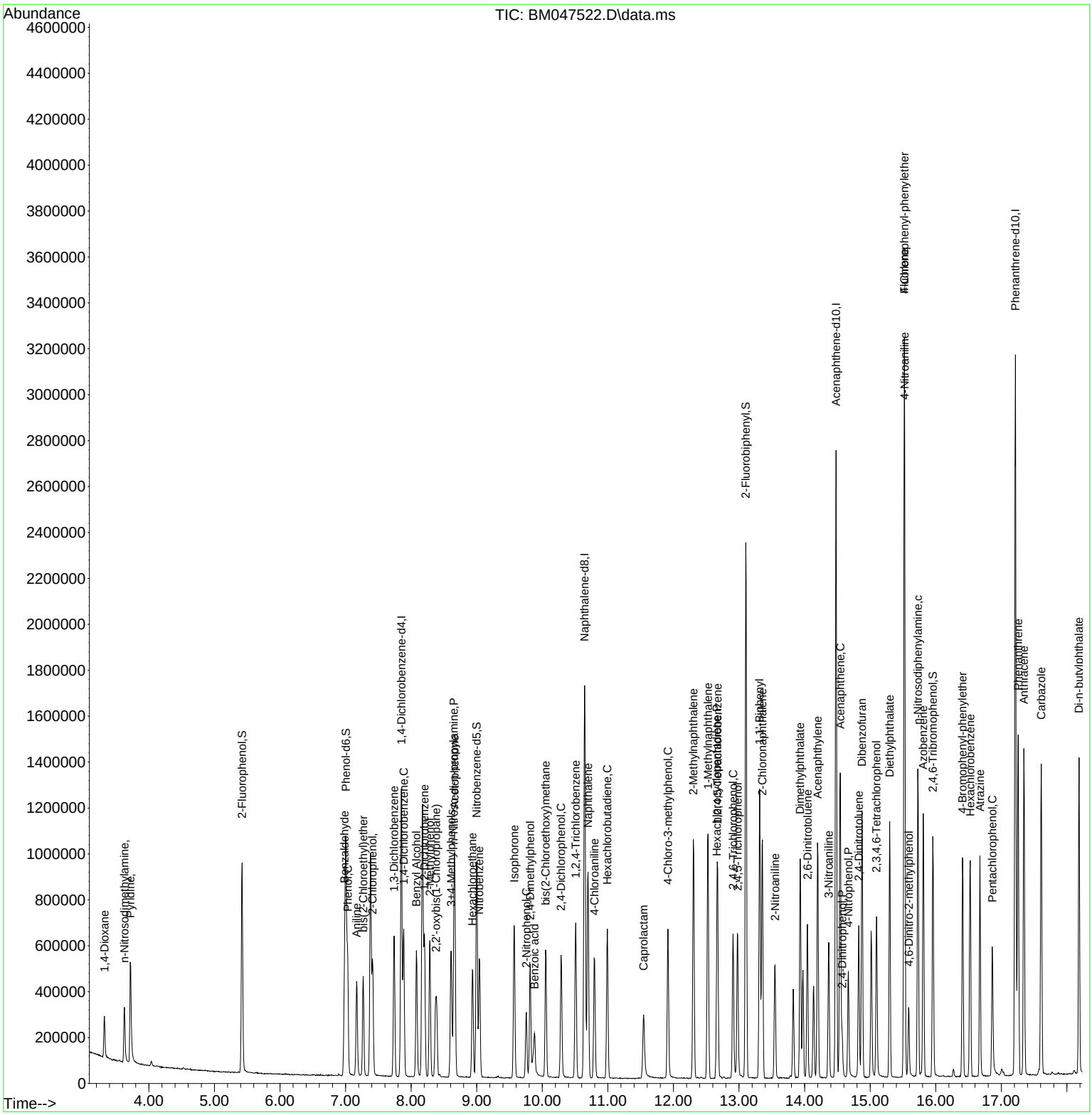

ICAL Form

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Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
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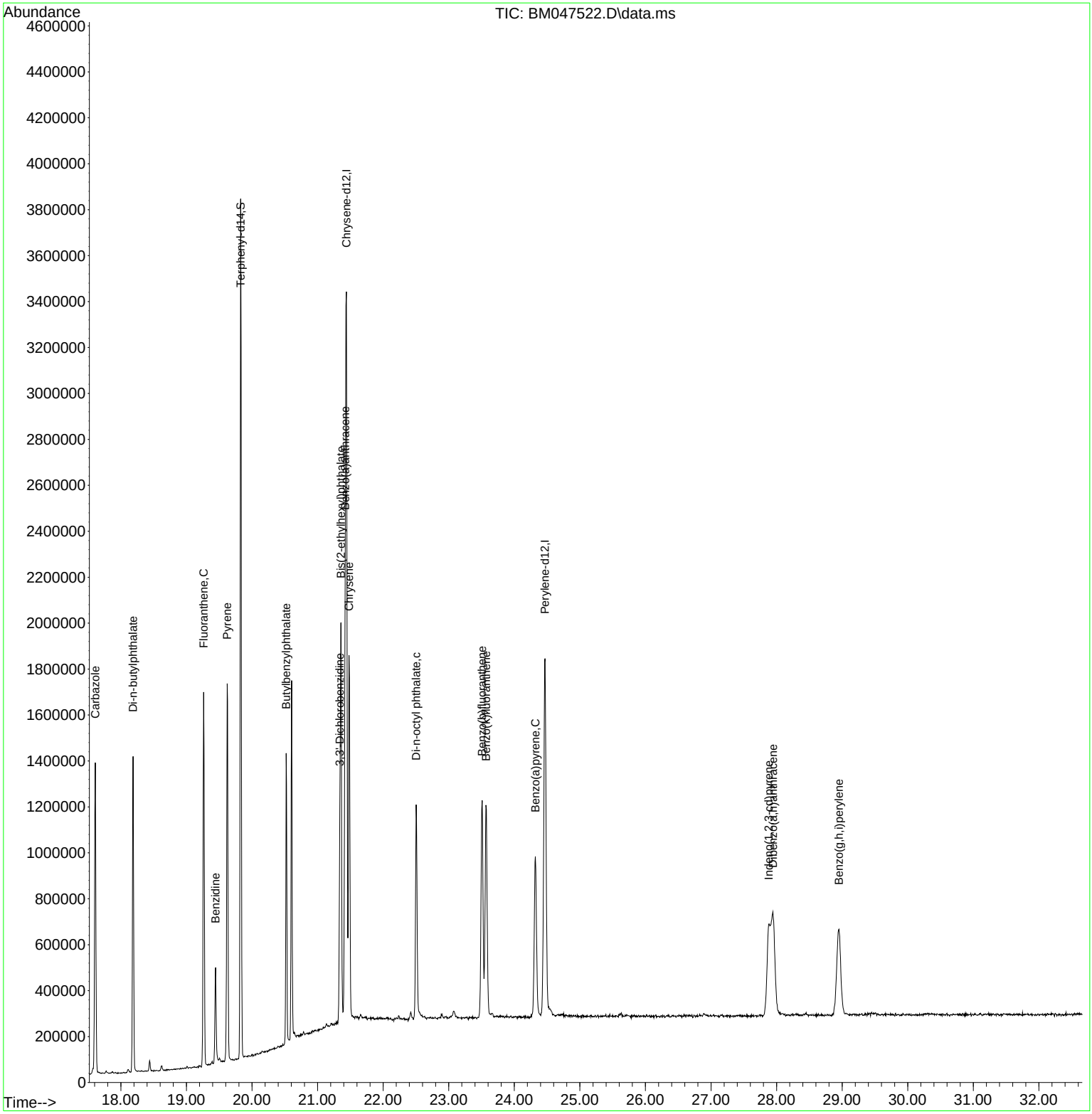
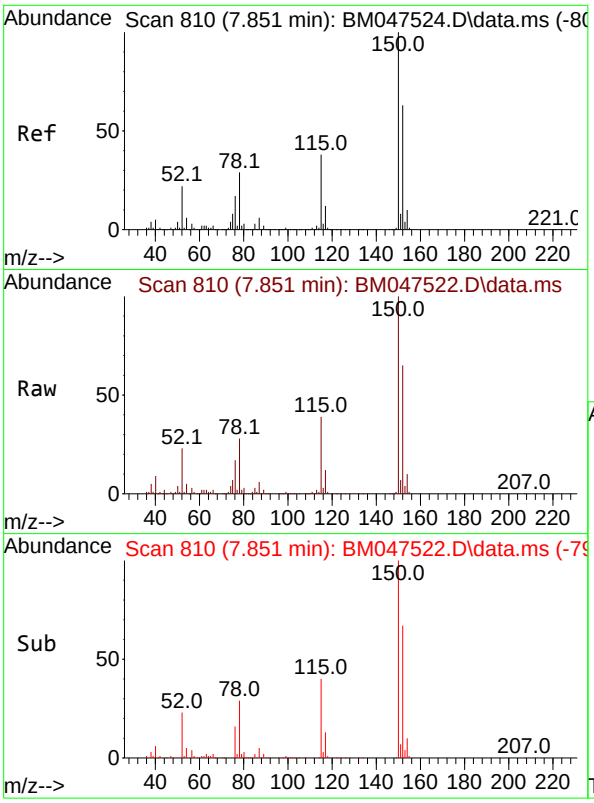
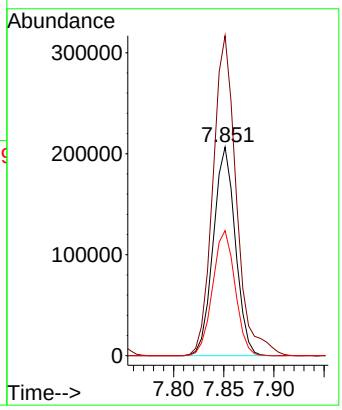




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:152 Resp: 31578

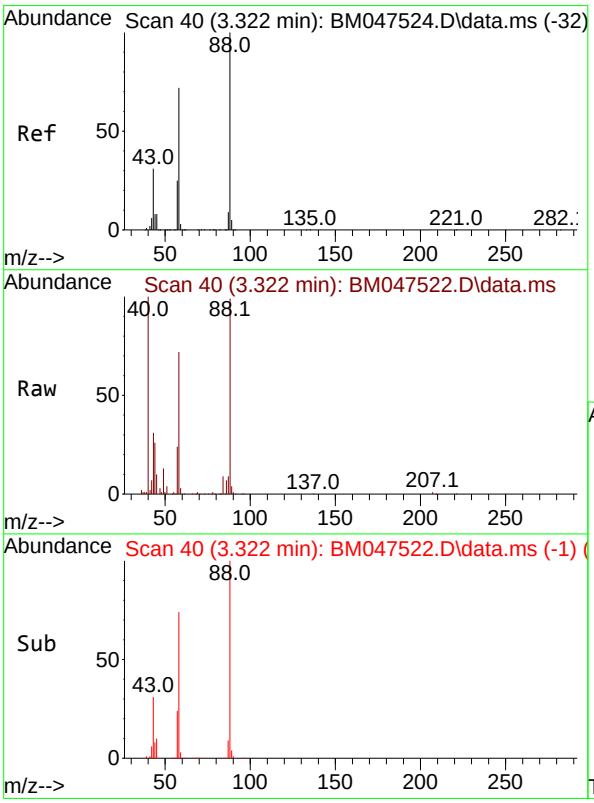
Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.8	190.2
115	59.9	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

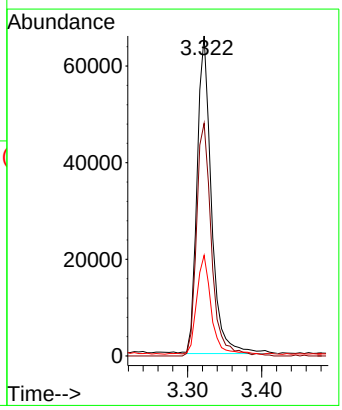
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

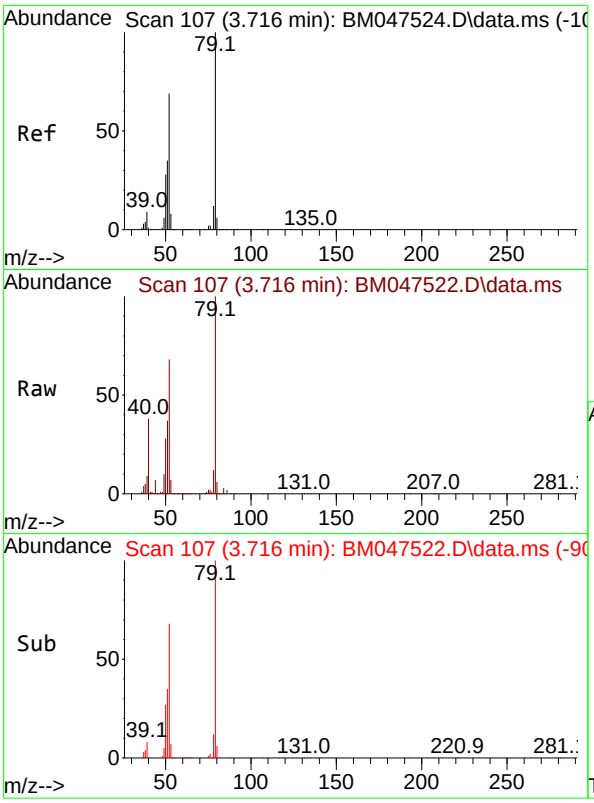


#2
1,4-Dioxane
Concen: 10.396 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

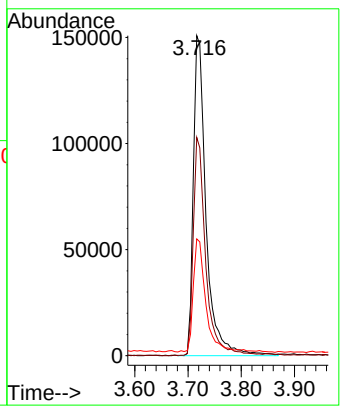




#3
Pyridine
Concen: 9.945 ng
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 79 Resp: 25140

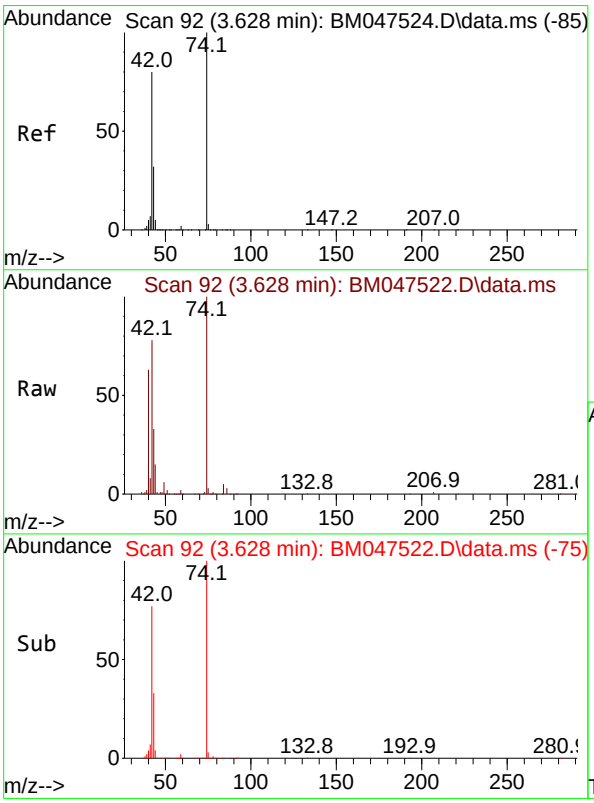
Ion	Ratio	Lower	Upper
79	100		
52	68.2	55.4	83.0
51	36.5	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

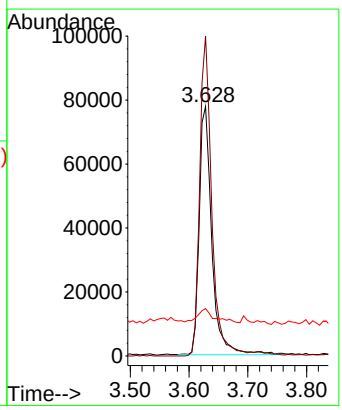
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

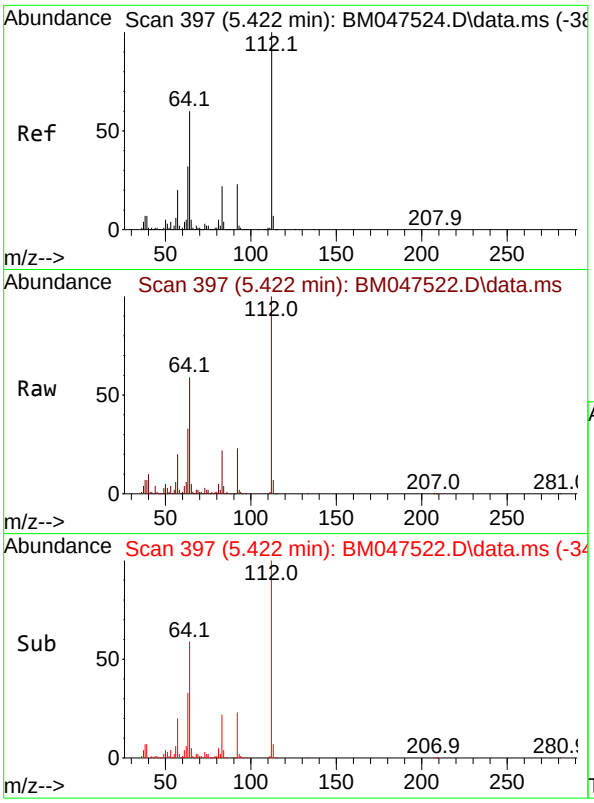


#4
n-Nitrosodimethylamine
Concen: 10.049 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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#

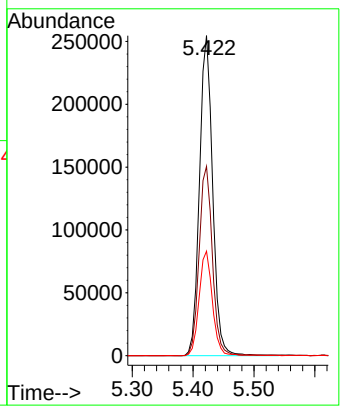




#5
2-Fluorophenol
Concen: 19.236 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:112 Resp: 38150

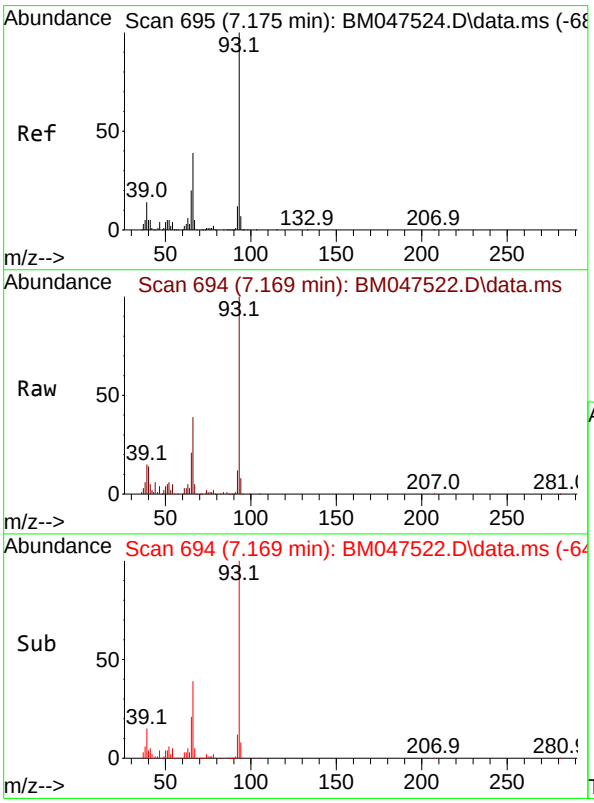
Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.2	72.4
63	32.6	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

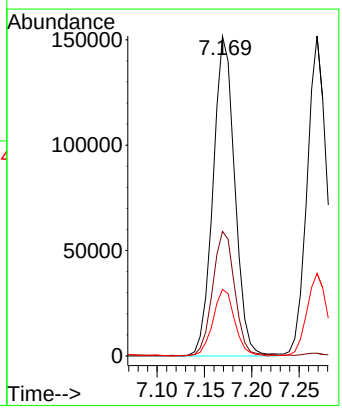
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

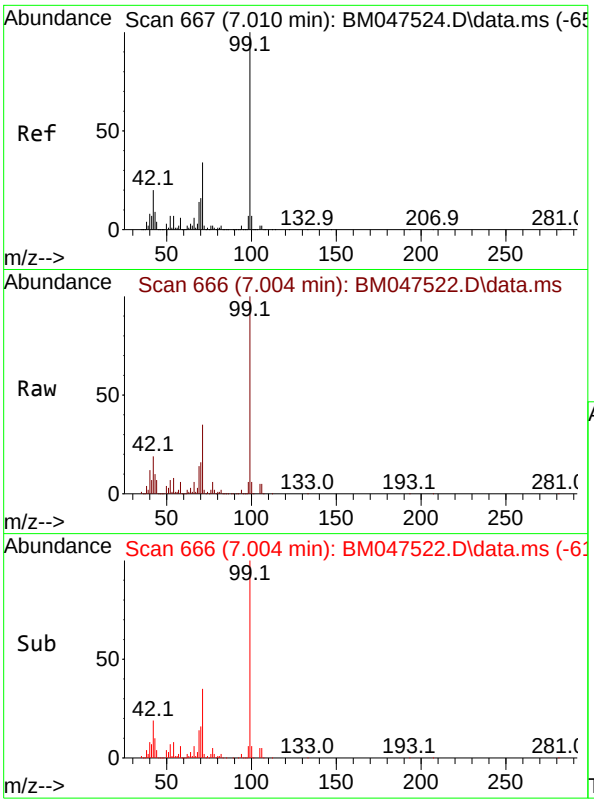


#6
Aniline
Concen: 9.752 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

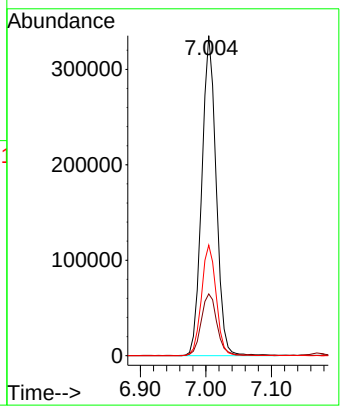




#7
Phenol-d6
Concen: 18.354 ng
RT: 7.004 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 99 Resp: 51264

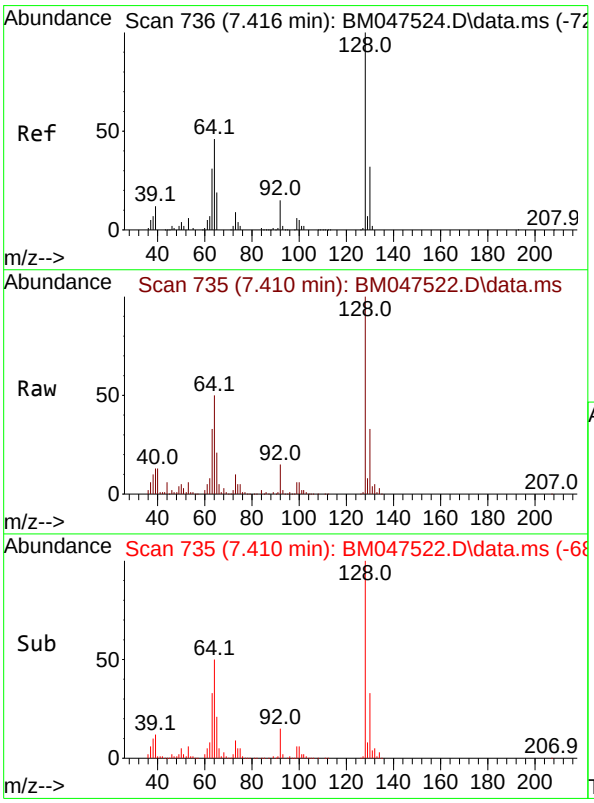
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.8
71	34.5	27.6	41.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

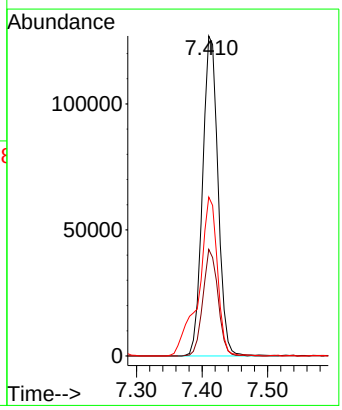
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

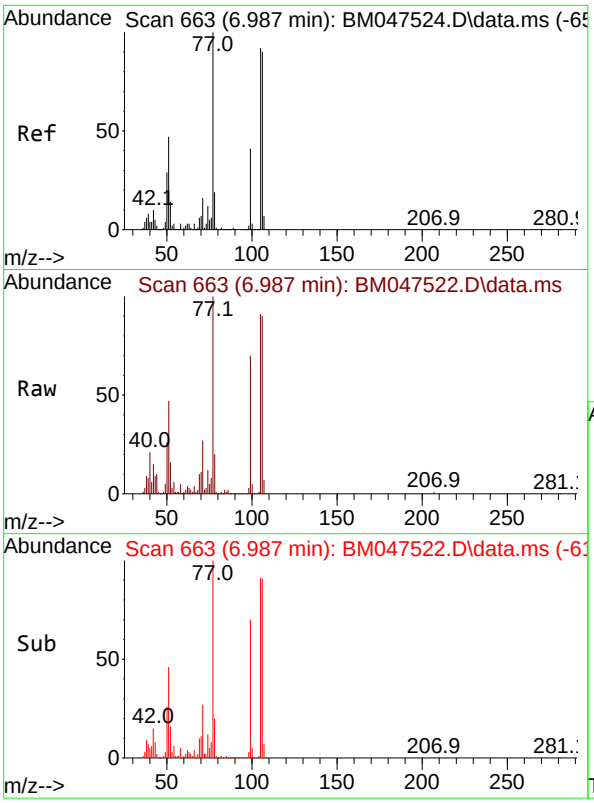


#8
2-Chlorophenol
Concen: 9.541 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

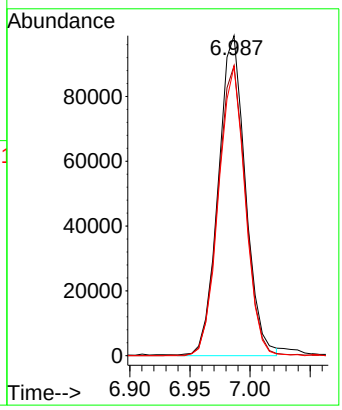




#9
Benzaldehyde
Concen: 11.718 ng m
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/16/2024
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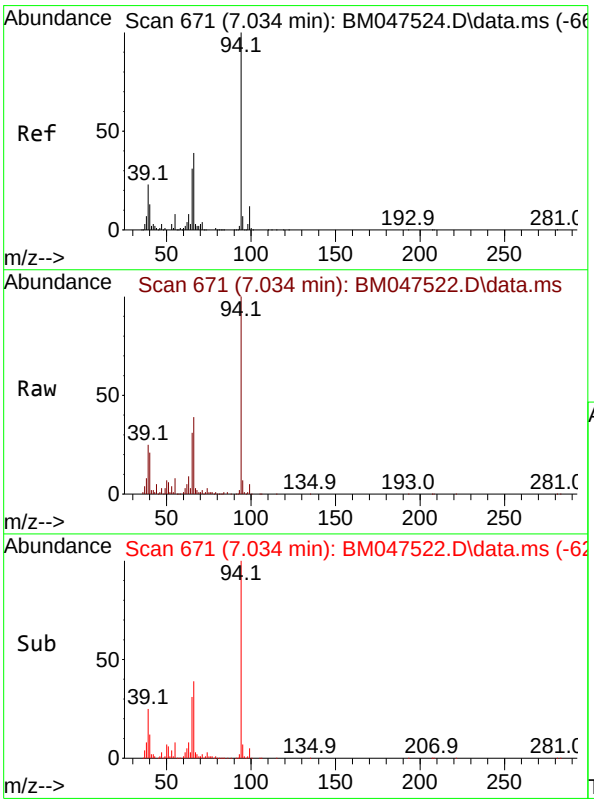
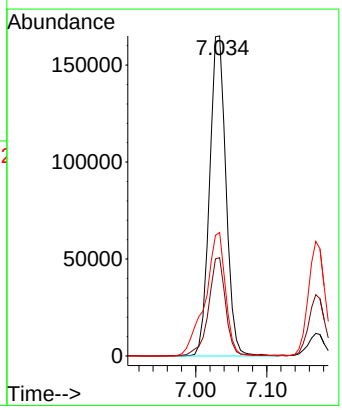
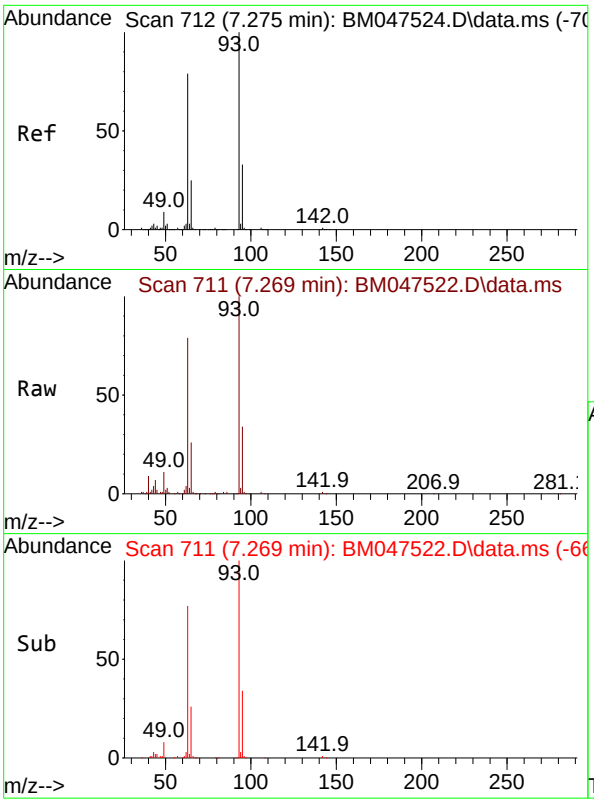


#10
Phenol
Concen: 9.479 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

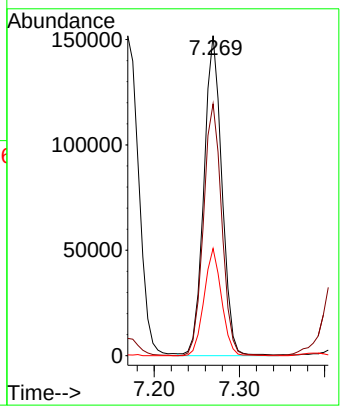




#11
bis(2-Chloroethyl)ether
Concen: 9.935 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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



Instrument :
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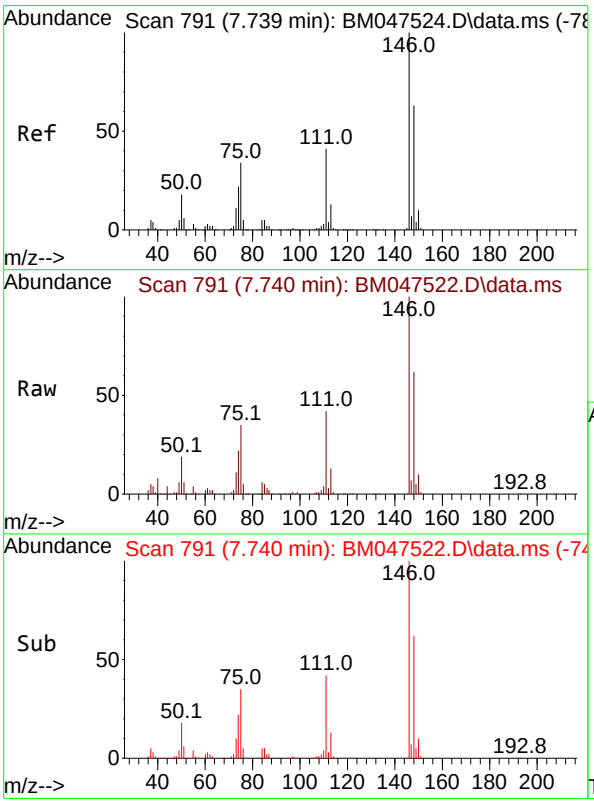
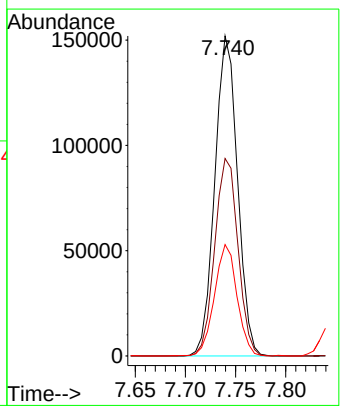
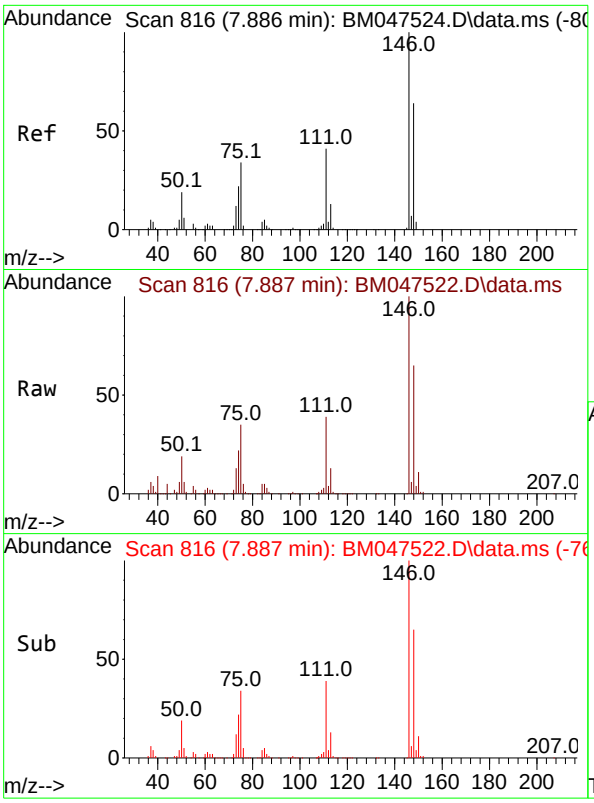


#12
1,3-Dichlorobenzene
Concen: 9.976 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

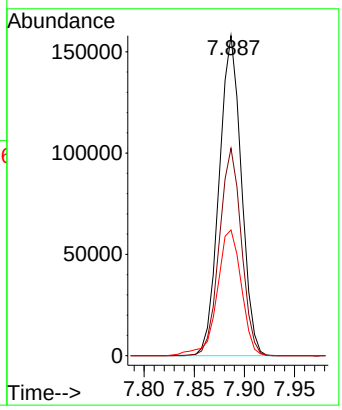




#13
1,4-Dichlorobenzene
Concen: 9.940 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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



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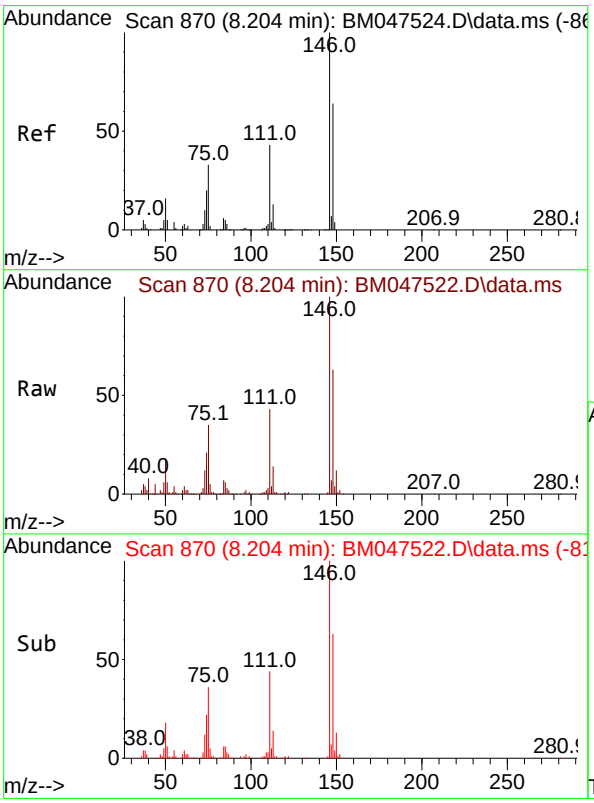
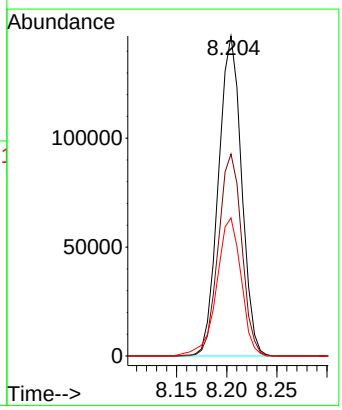
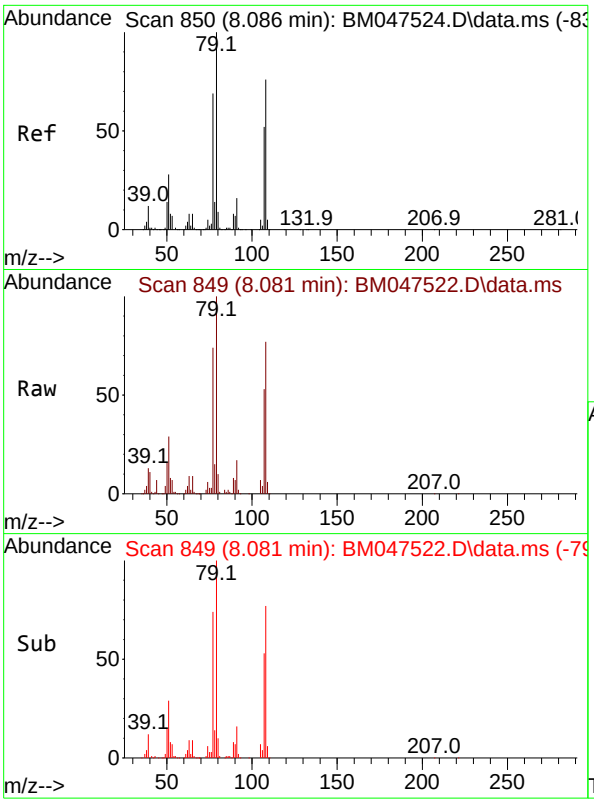


#14
1,2-Dichlorobenzene
Concen: 9.818 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

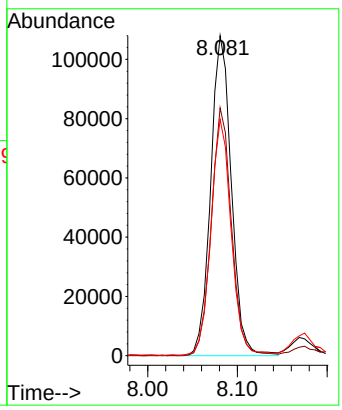




#15
Benzyl Alcohol
Concen: 9.153 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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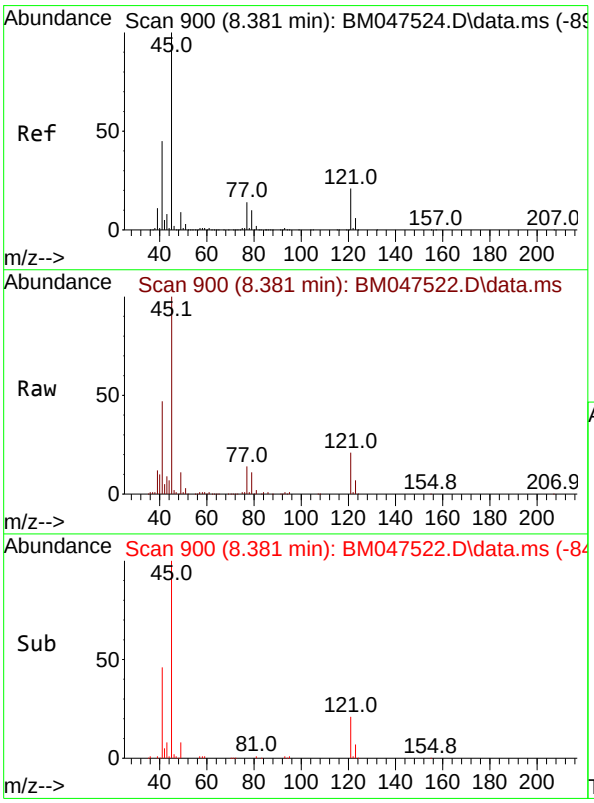
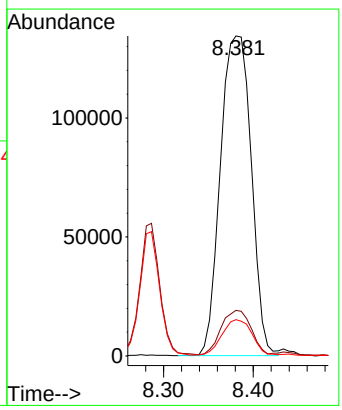
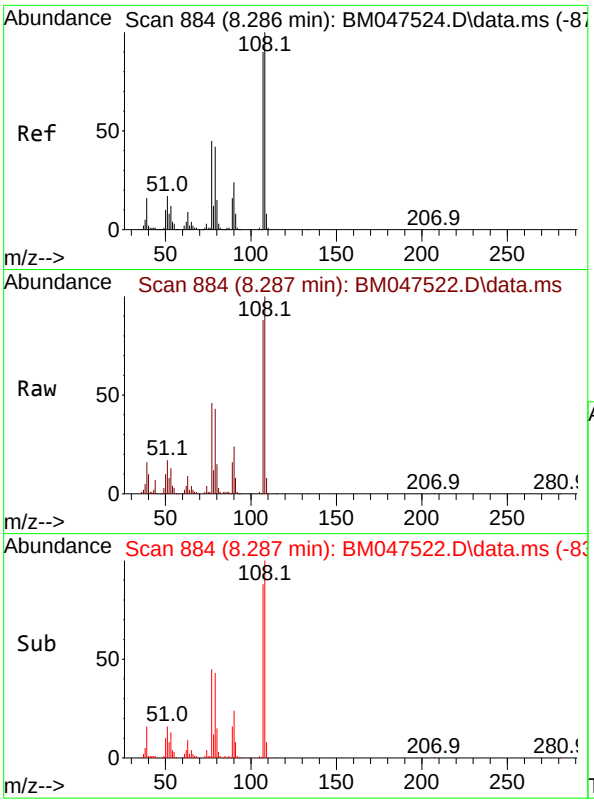


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.153 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

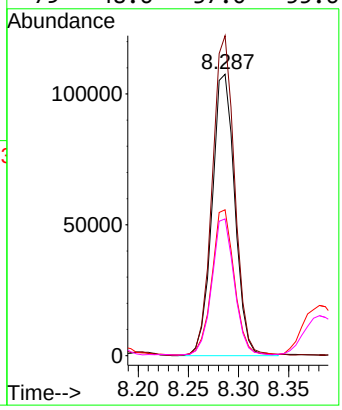




#17
2-Methylphenol
Concen: 9.486 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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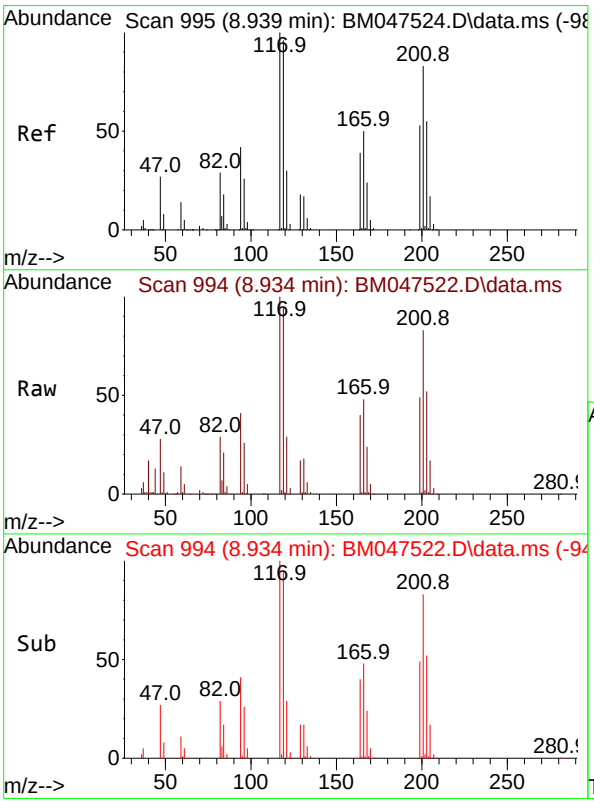
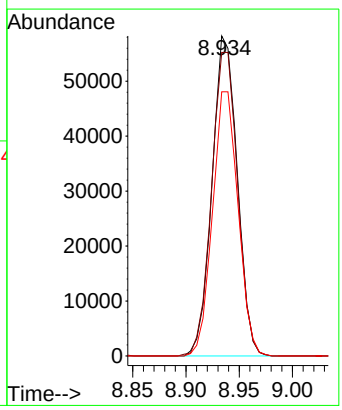
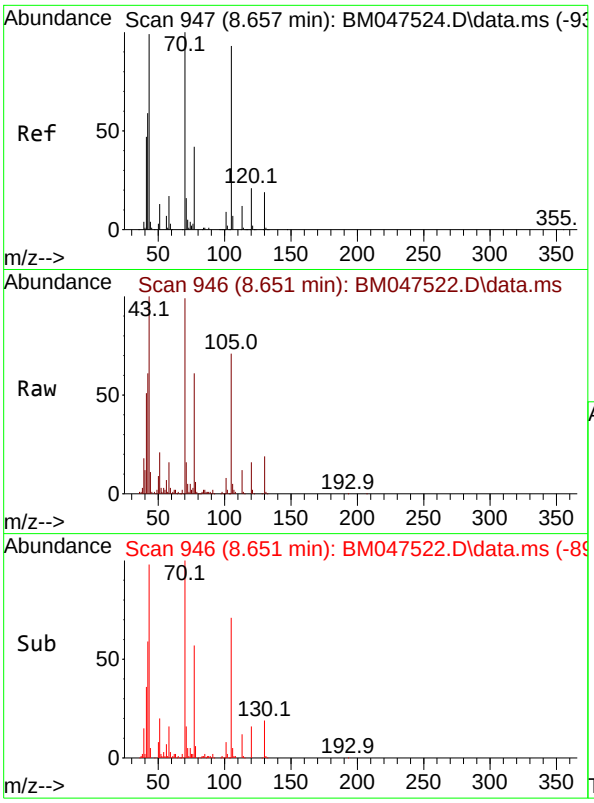


#18
Hexachloroethane
Concen: 9.834 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

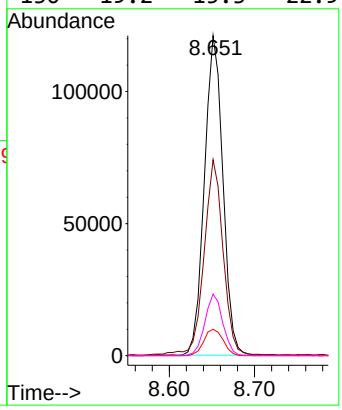




#19
n-Nitroso-di-n-propylamine
Concen: 9.676 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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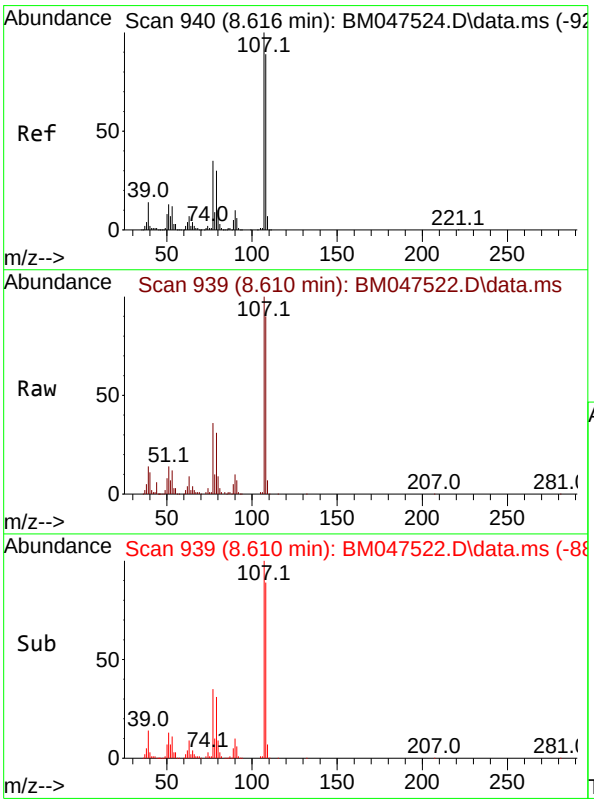
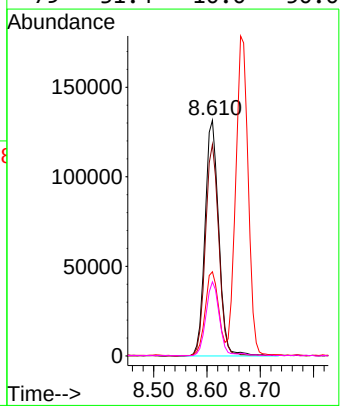
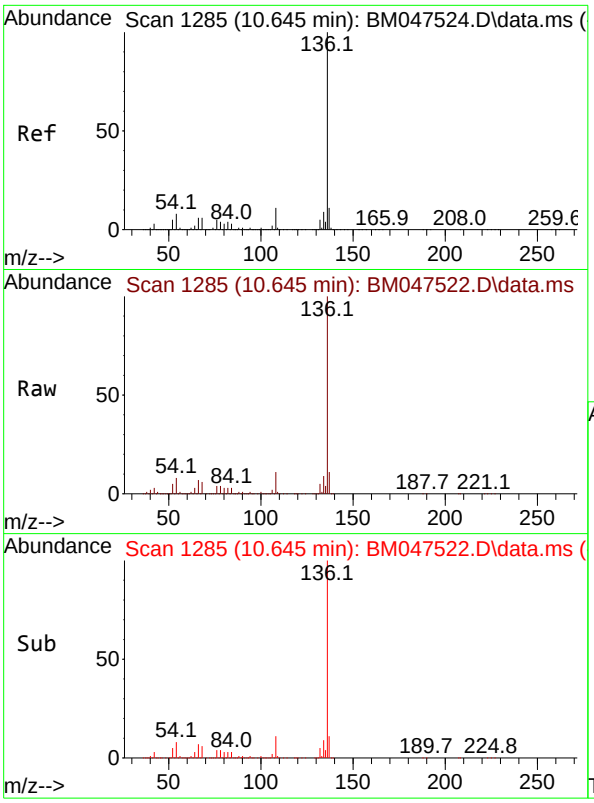


#20
3+4-Methylphenols
Concen: 9.455 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

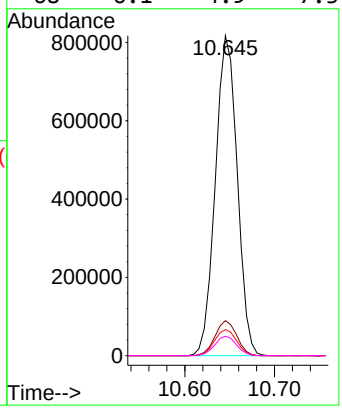




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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



Instrument :
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ClientSampleId :
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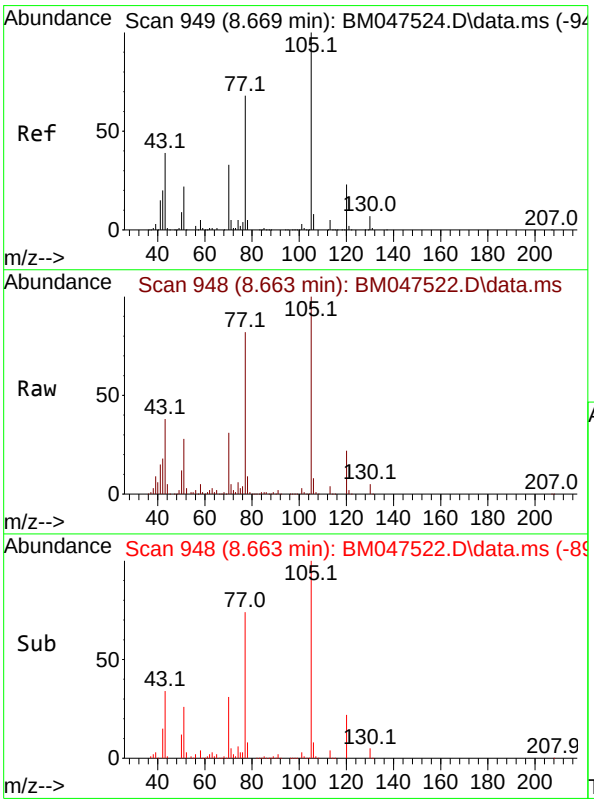
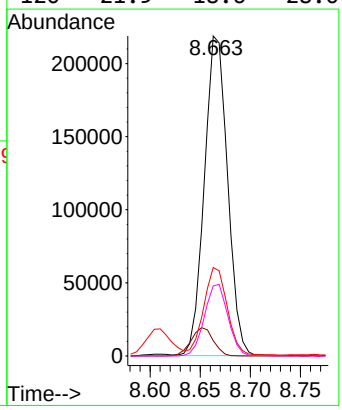
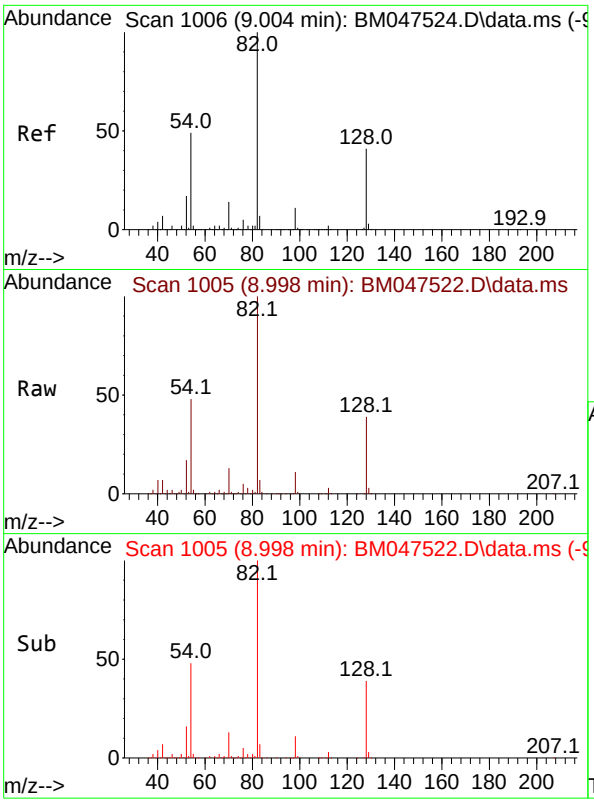


#22
Acetophenone
Concen: 9.690 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

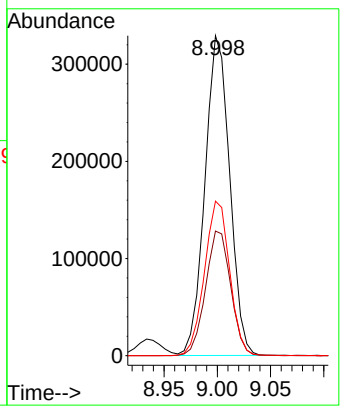




#23
Nitrobenzene-d5
Concen: 19.231 ng
RT: 8.998 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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ClientSampleId :
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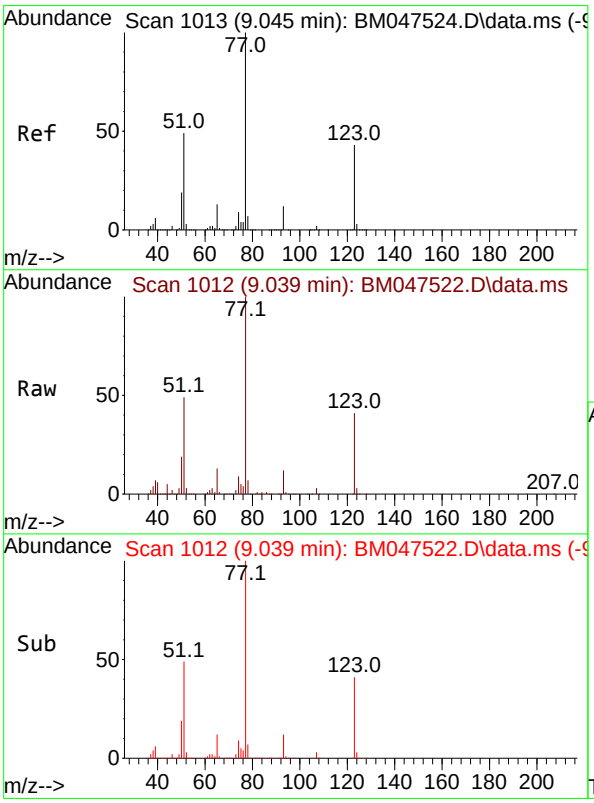
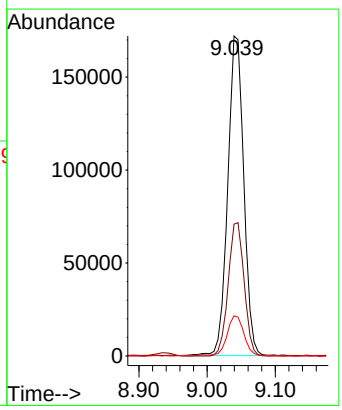
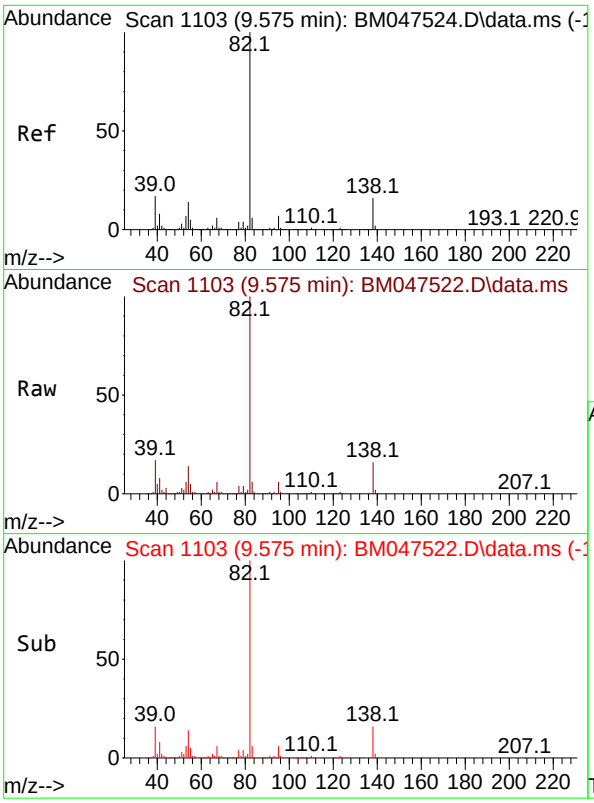


#24
Nitrobenzene
Concen: 9.890 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

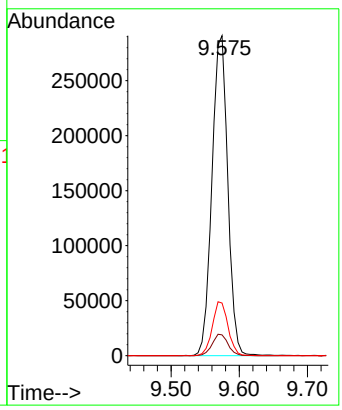




#25
Isophorone
Concen: 9.667 ng
RT: 9.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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



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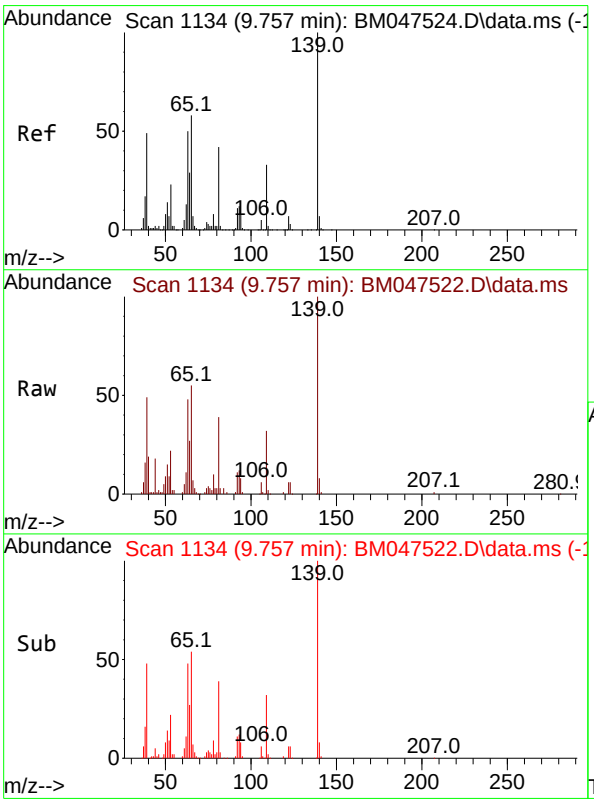
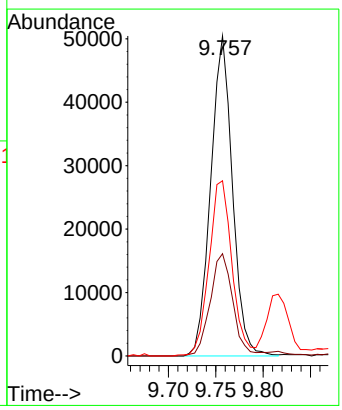
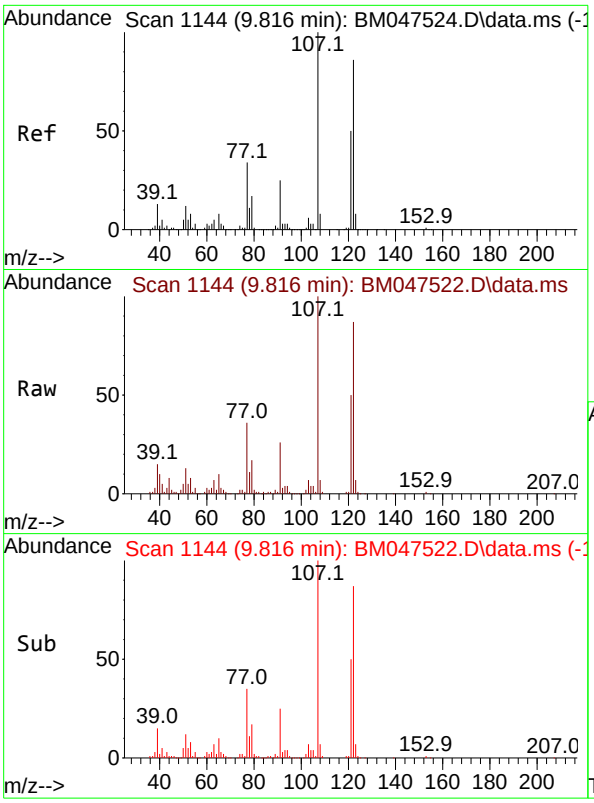


#26
2-Nitrophenol
Concen: 8.306 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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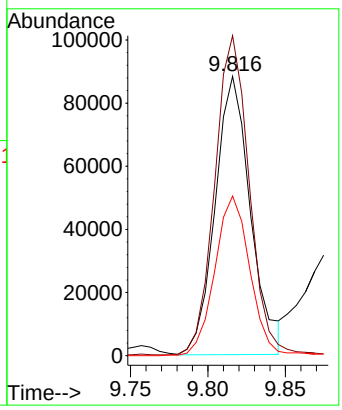
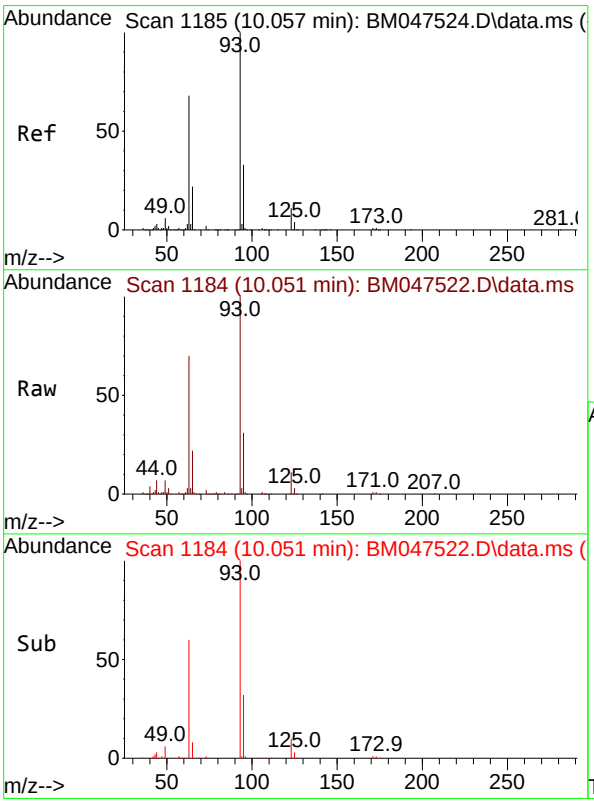
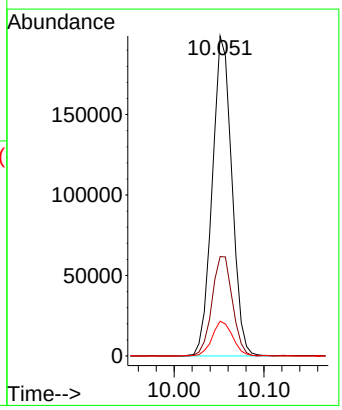


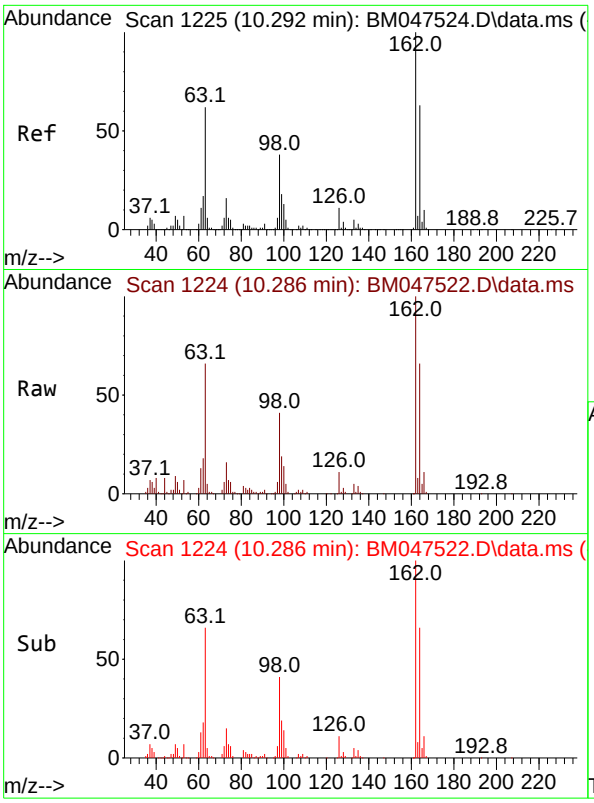


#28
bis(2-Chloroethoxy)methane
Concen: 9.874 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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ClientSampleId :
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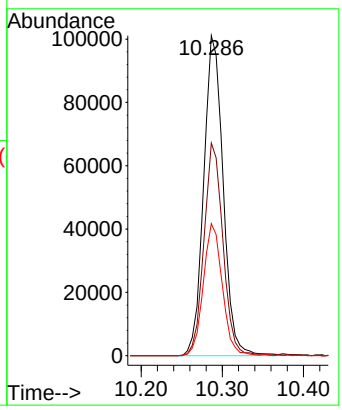
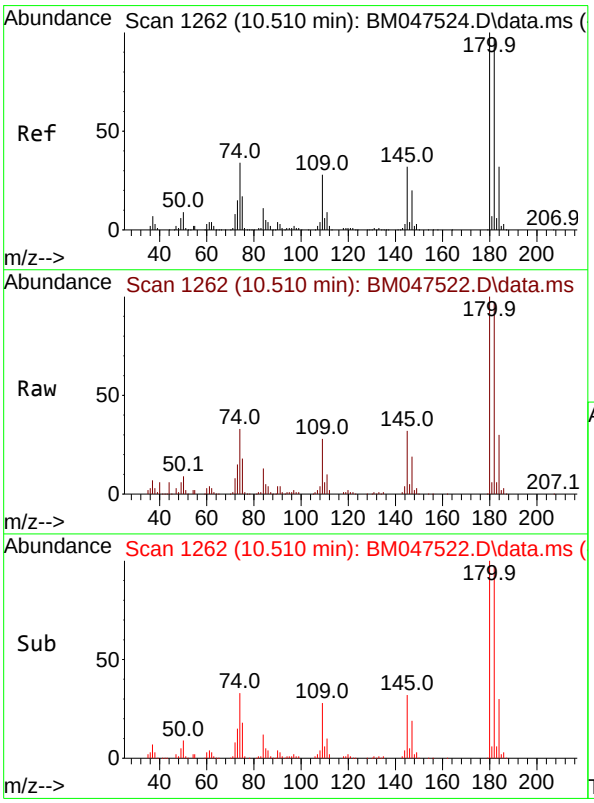
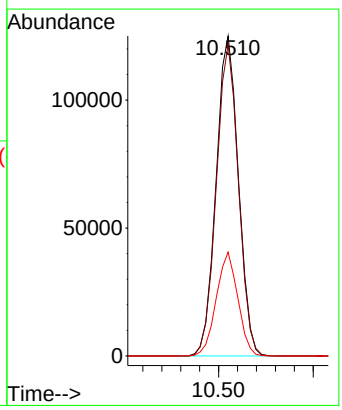


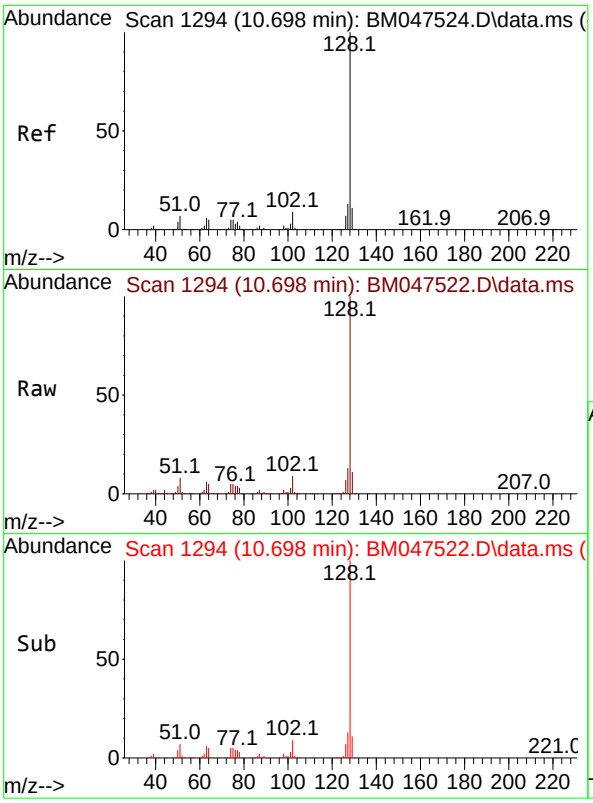


#30
1,2,4-Trichlorobenzene
Concen: 9.576 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

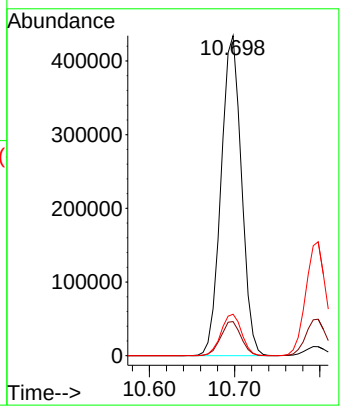




#31
Naphthalene
Concen: 9.645 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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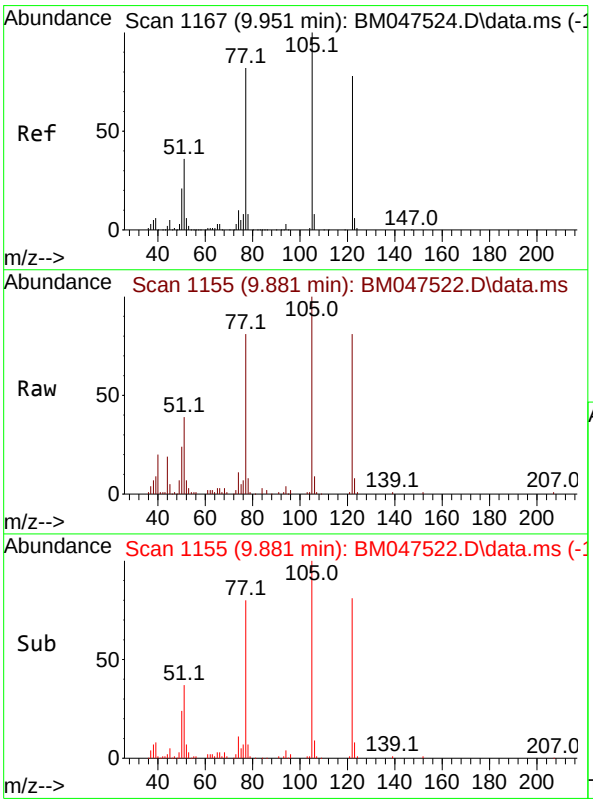
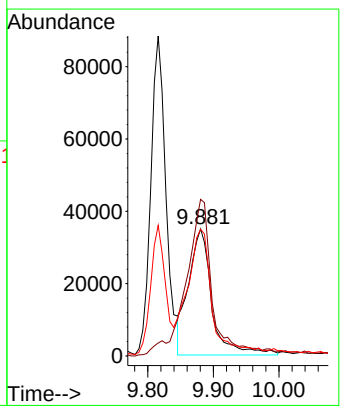
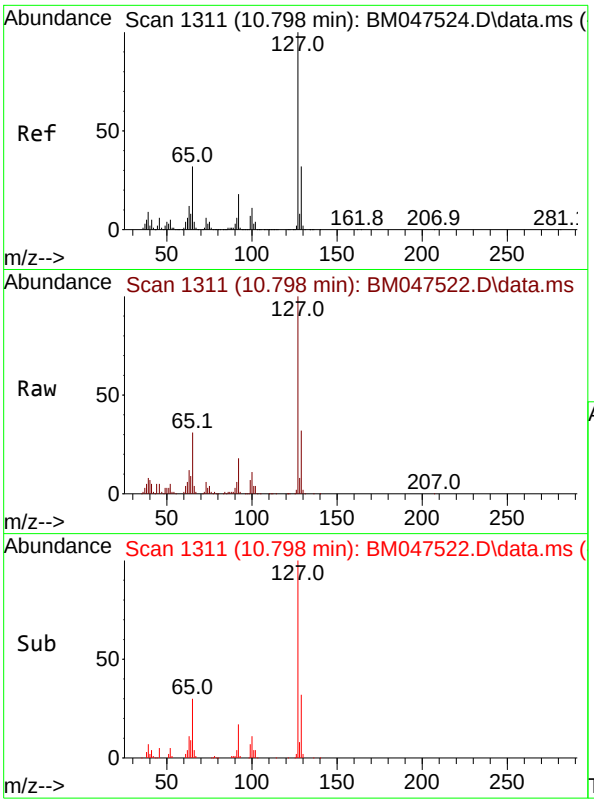


#32
Benzoic acid
Concen: 11.758 ng m
RT: 9.881 min Scan# 1155
Delta R.T. -0.070 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

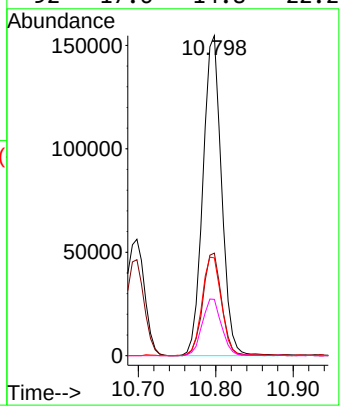




#33
4-Chloroaniline
Concen: 9.557 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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



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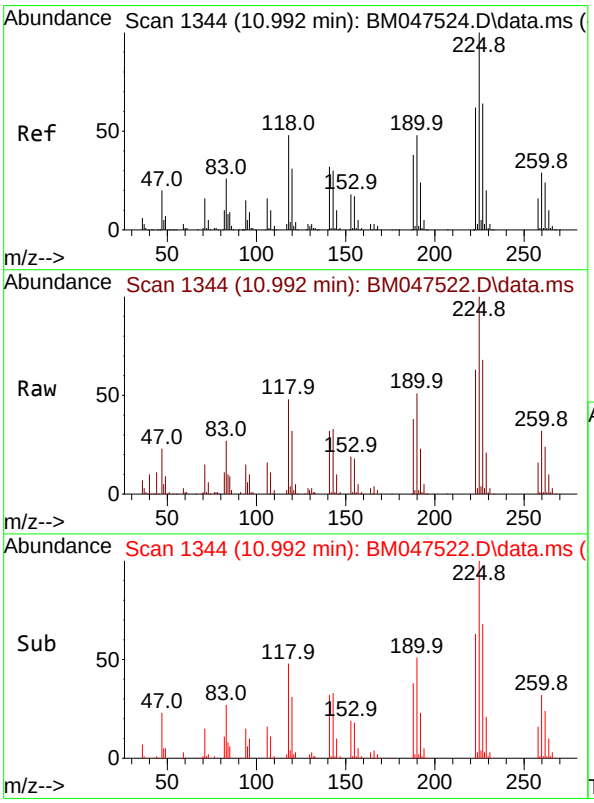
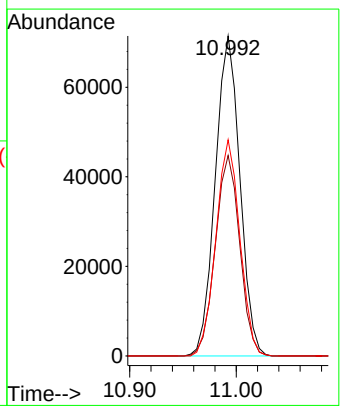
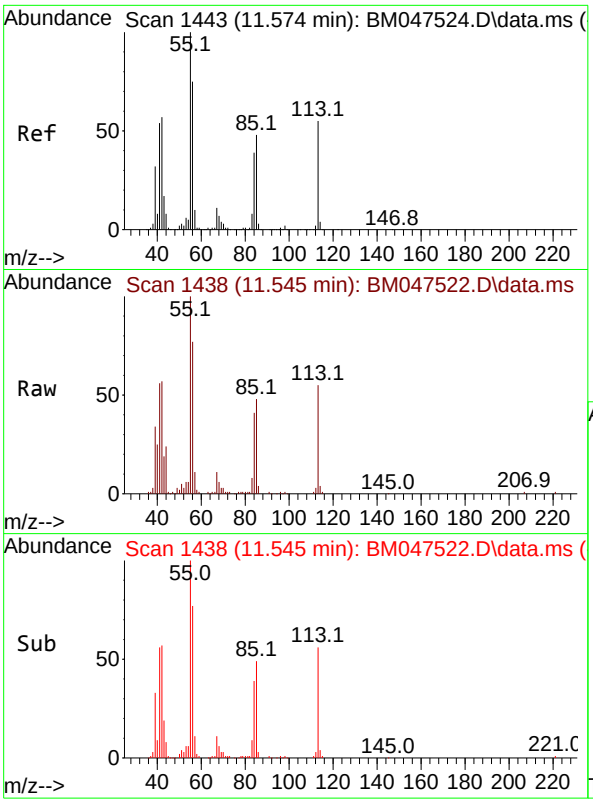


#34
Hexachlorobutadiene
Concen: 9.687 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

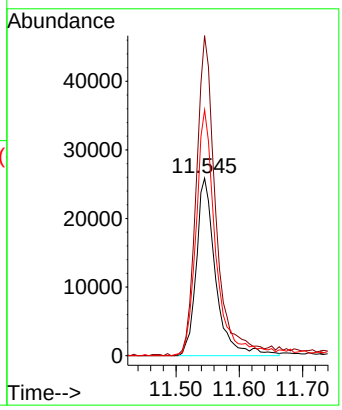




#35
Caprolactam
Concen: 8.924 ng m
RT: 11.545 min Scan# 14
Delta R.T. -0.029 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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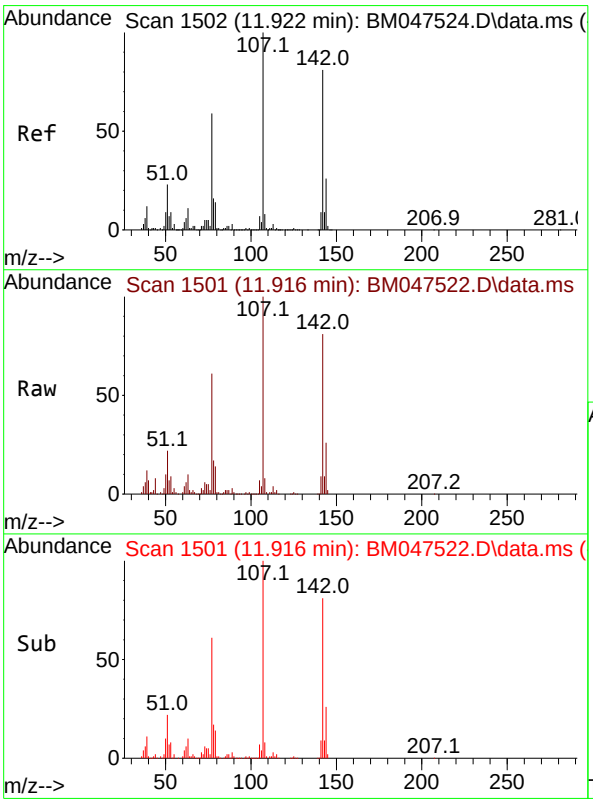
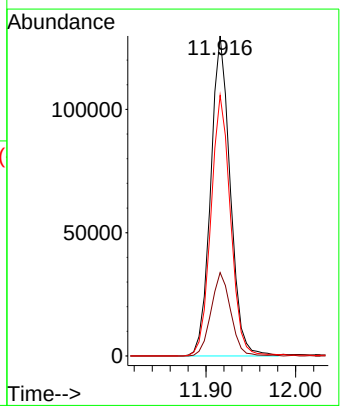
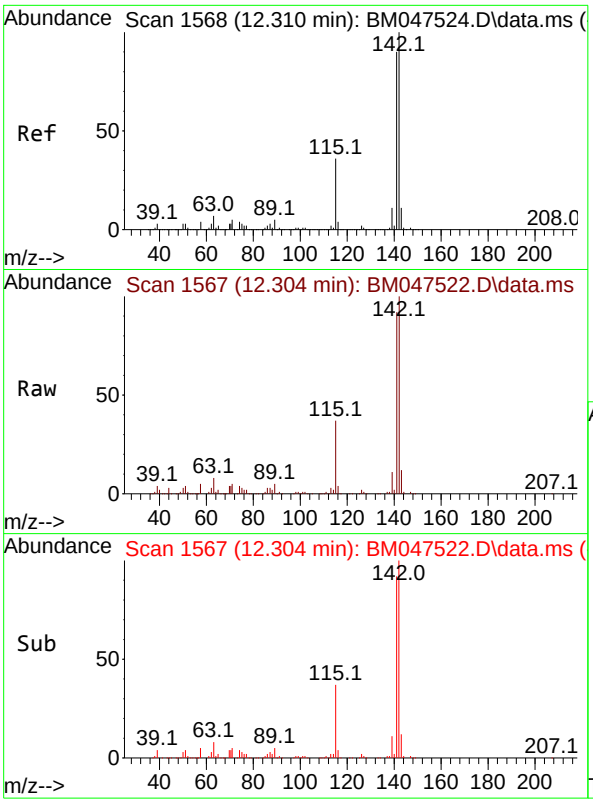


#36
4-Chloro-3-methylphenol
Concen: 9.206 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

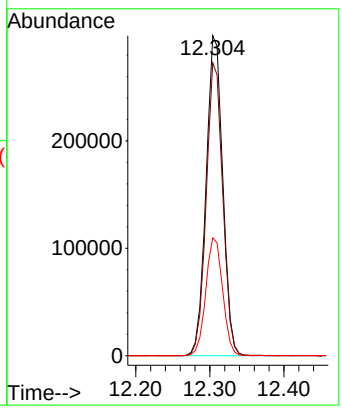




#37
2-Methylnaphthalene
Concen: 9.343 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
BNA_M
ClientSampleId :
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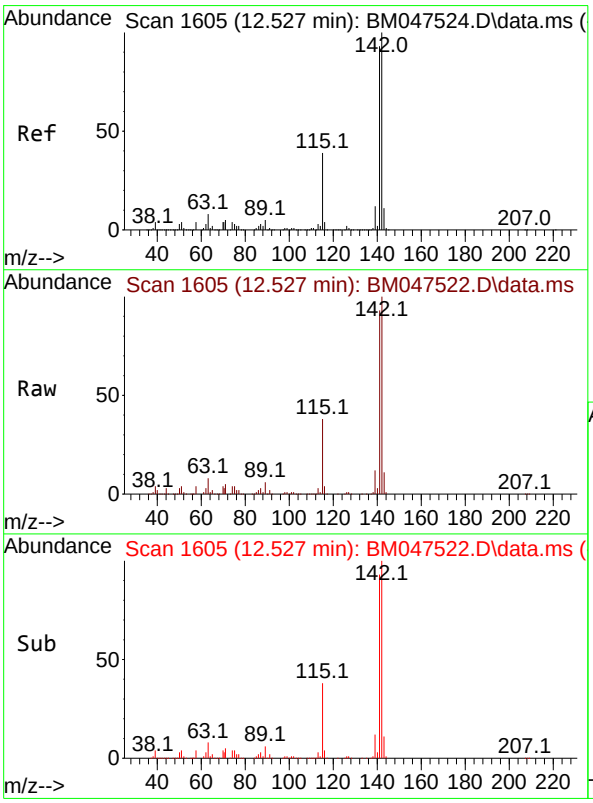
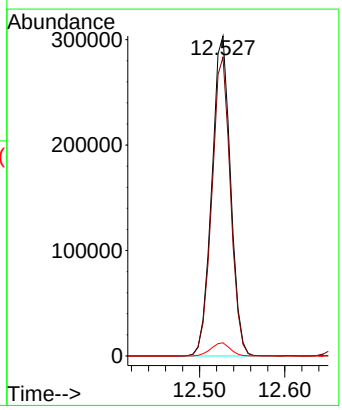
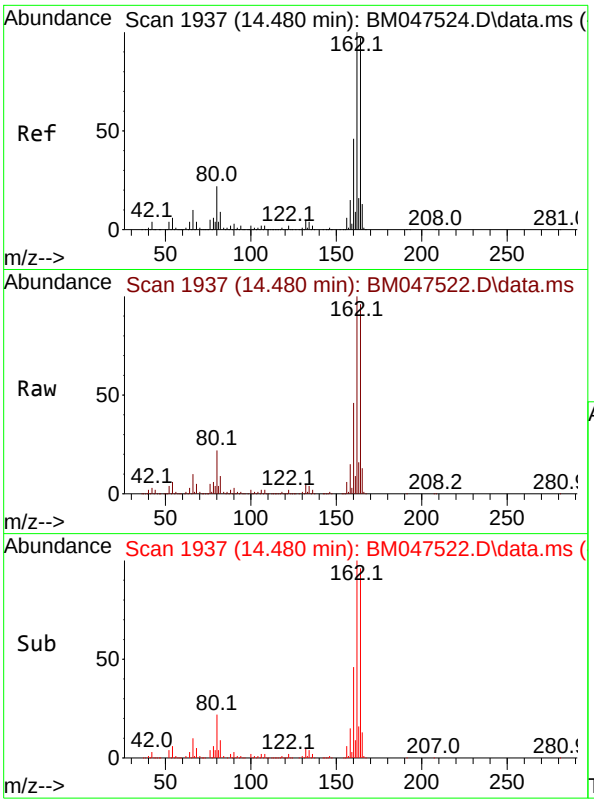


#38
1-Methylnaphthalene
Concen: 9.383 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

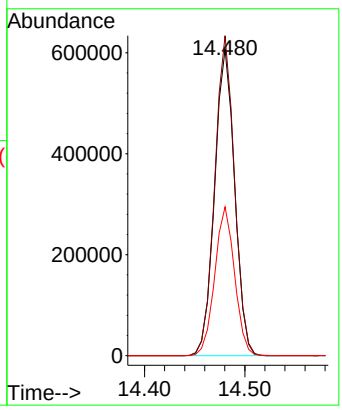




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
BNA_M
ClientSampleId :
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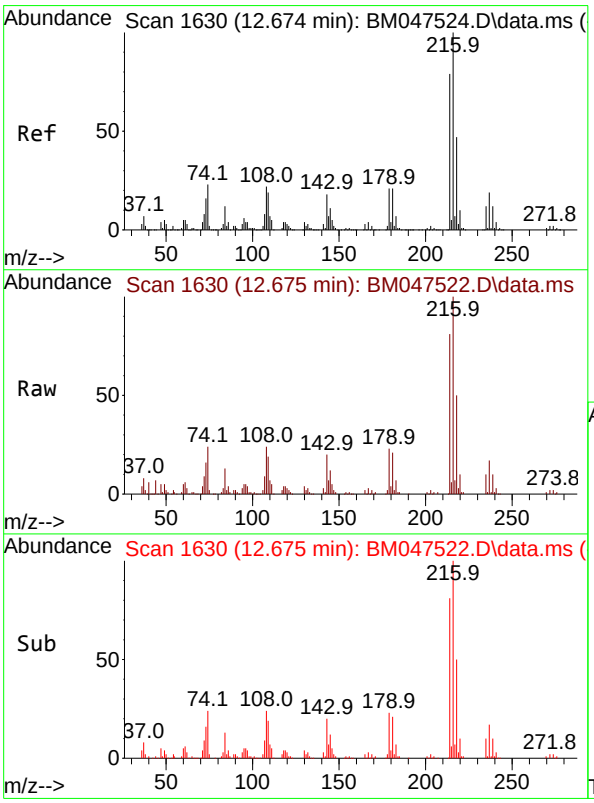
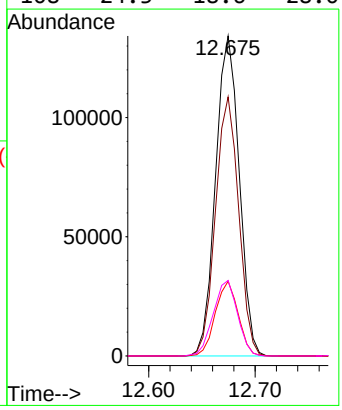
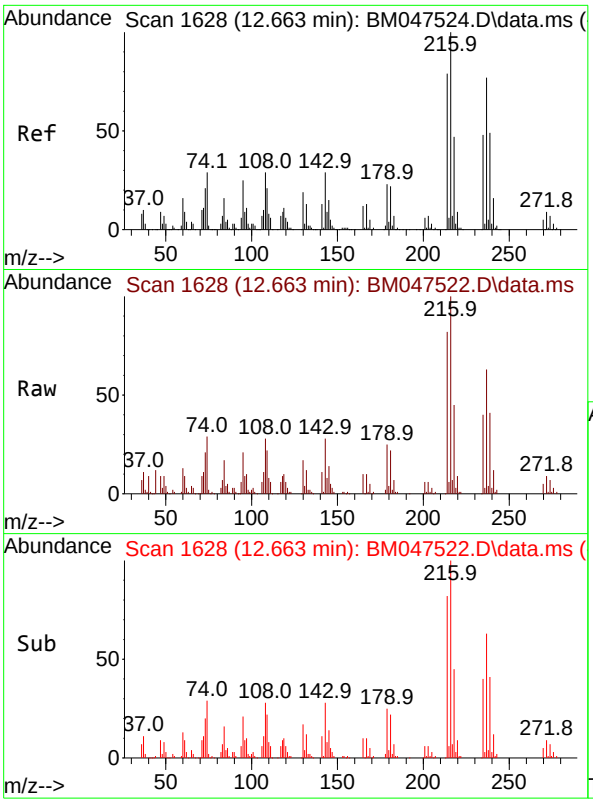


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.080 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
BNA_M
ClientSampleId :
SSTDICC010

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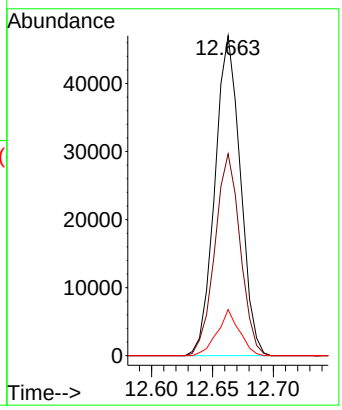
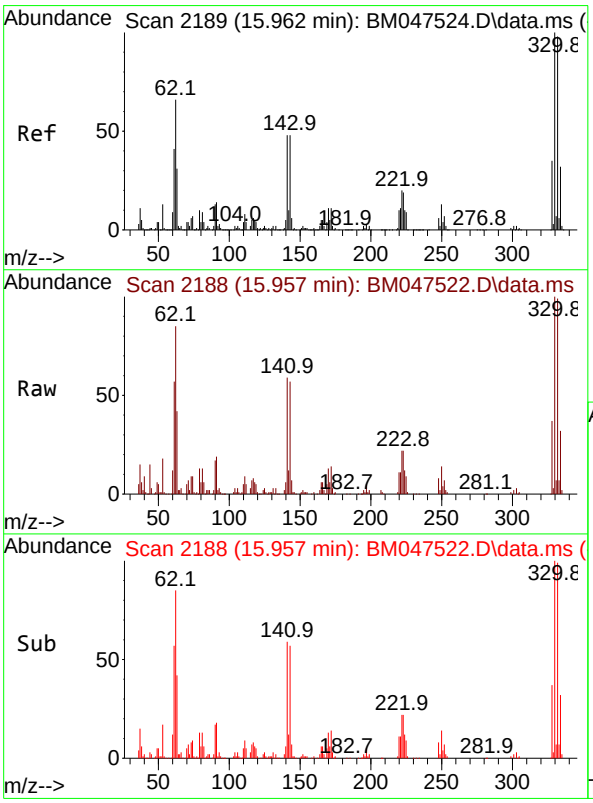
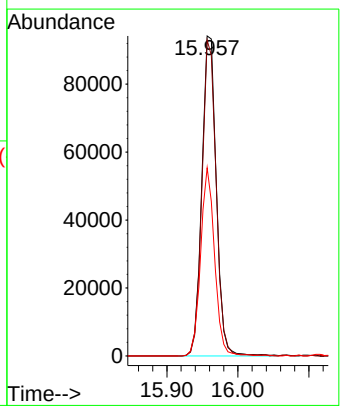


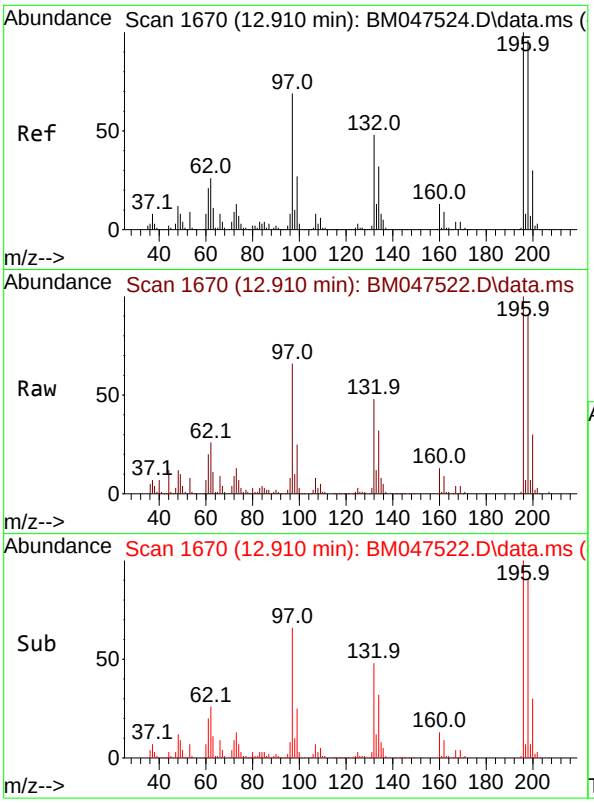


#42
2,4,6-Tribromophenol
Concen: 16.487 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

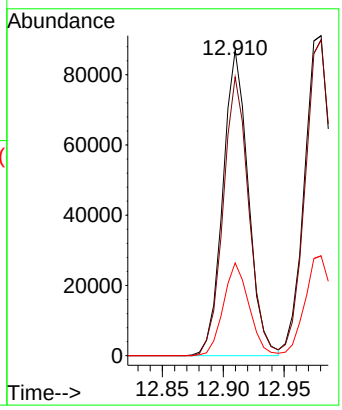




#43
2,4,6-Trichlorophenol
Concen: 8.866 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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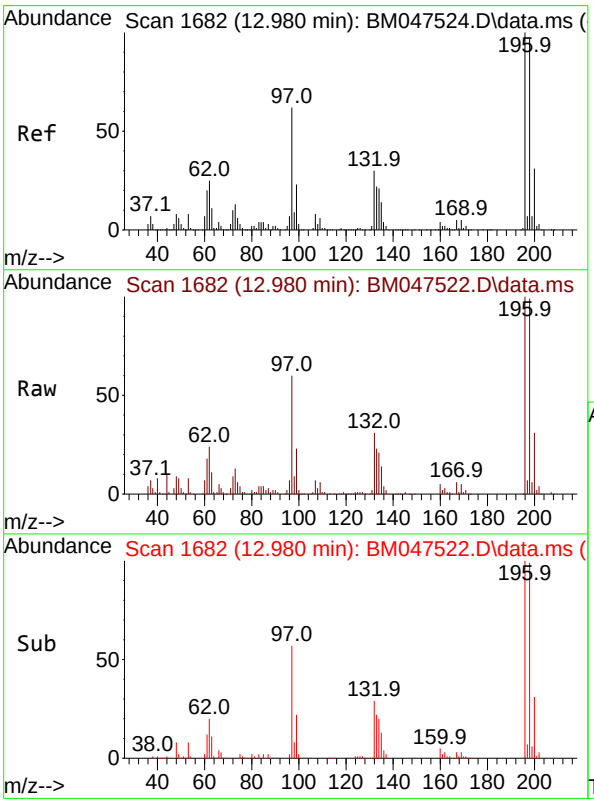
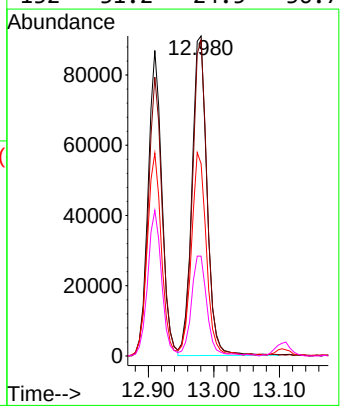
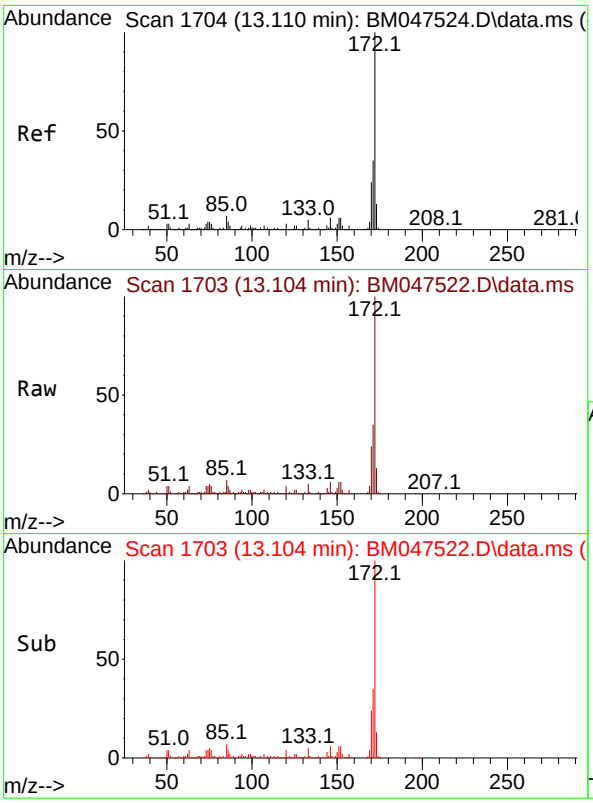


#44
2,4,5-Trichlorophenol
Concen: 9.004 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

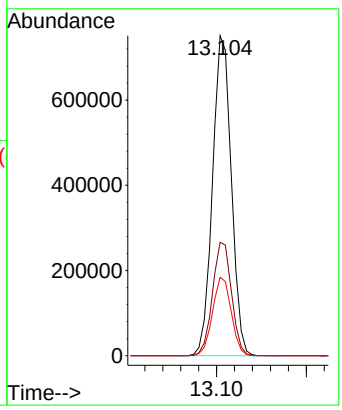




#45
2-Fluorobiphenyl
Concen: 17.835 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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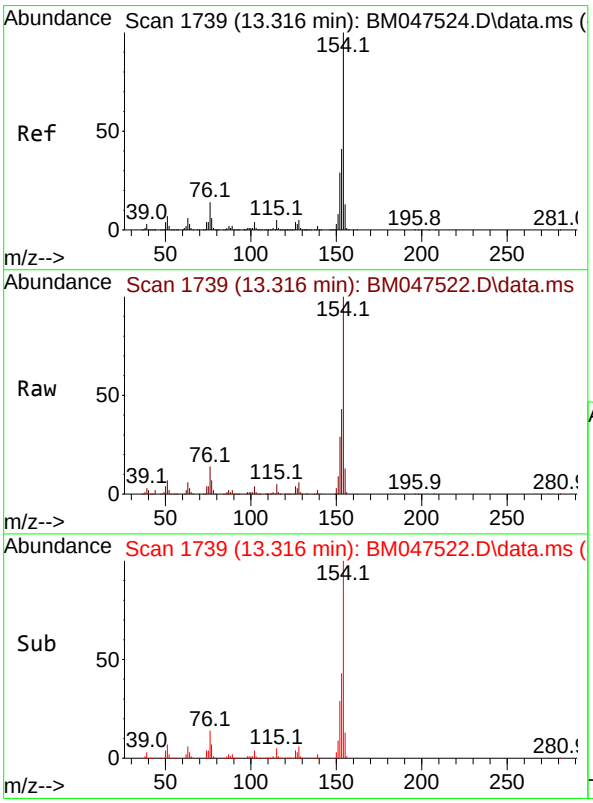
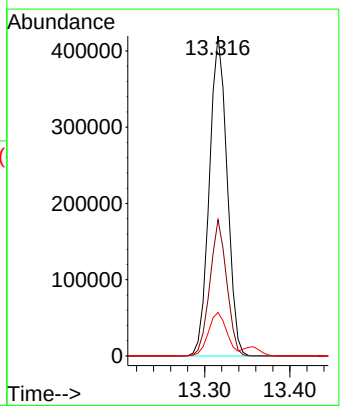
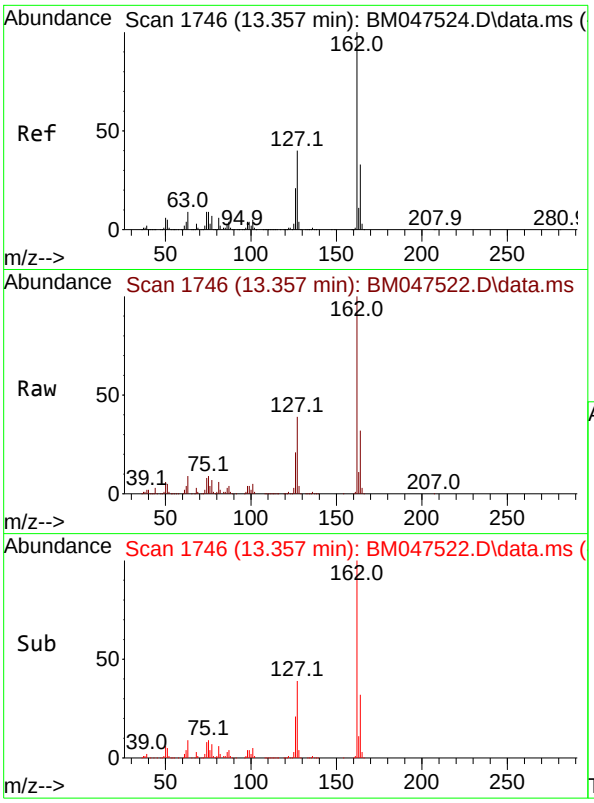


#46
1,1'-Biphenyl
Concen: 9.295 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

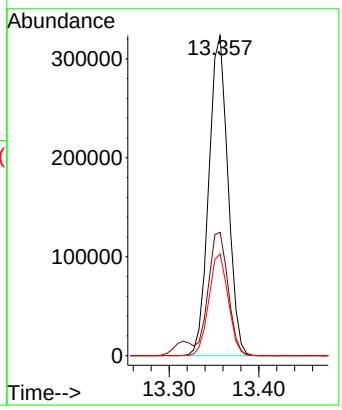




#47
2-Chloronaphthalene
Concen: 9.408 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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



Instrument :
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ClientSampleId :
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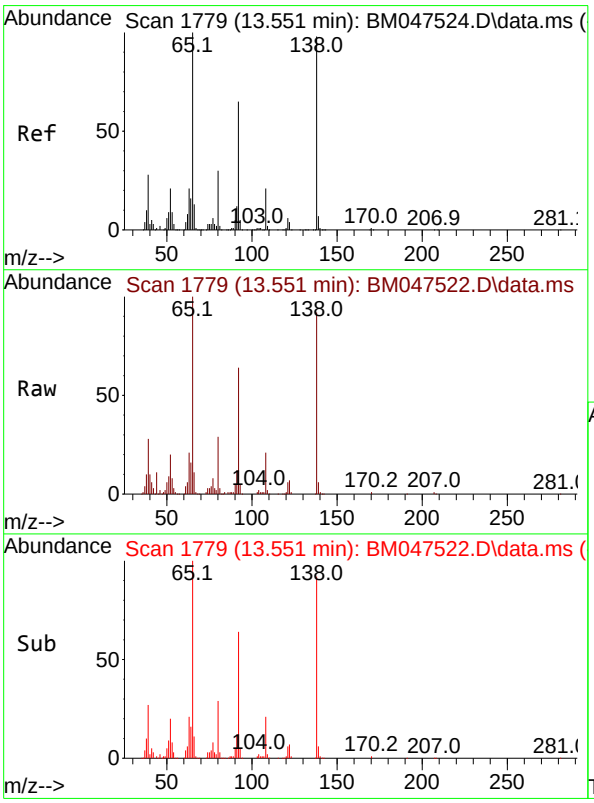
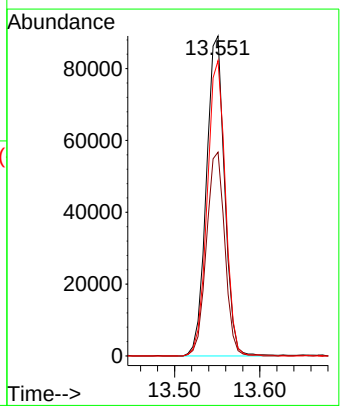
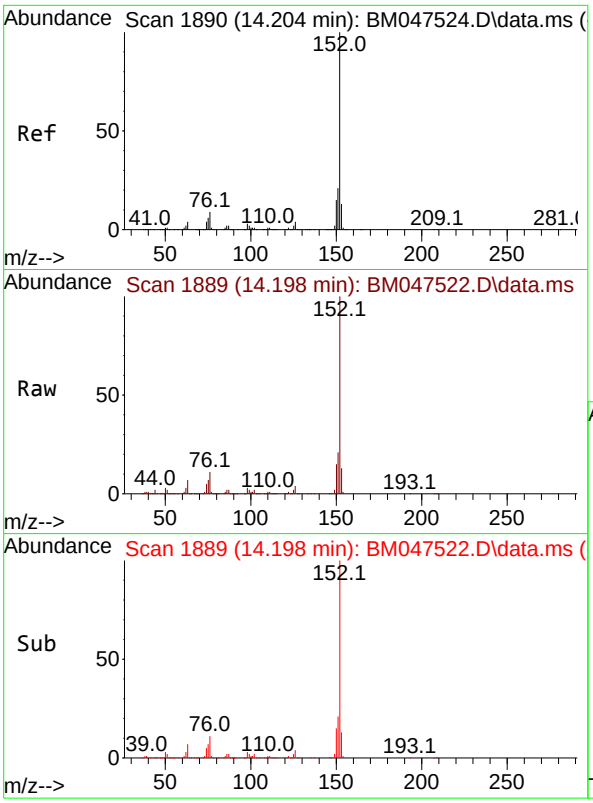


#48
2-Nitroaniline
Concen: 8.856 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

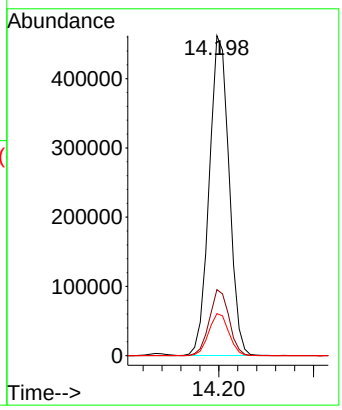




#49
Acenaphthylene
Concen: 9.163 ng
RT: 14.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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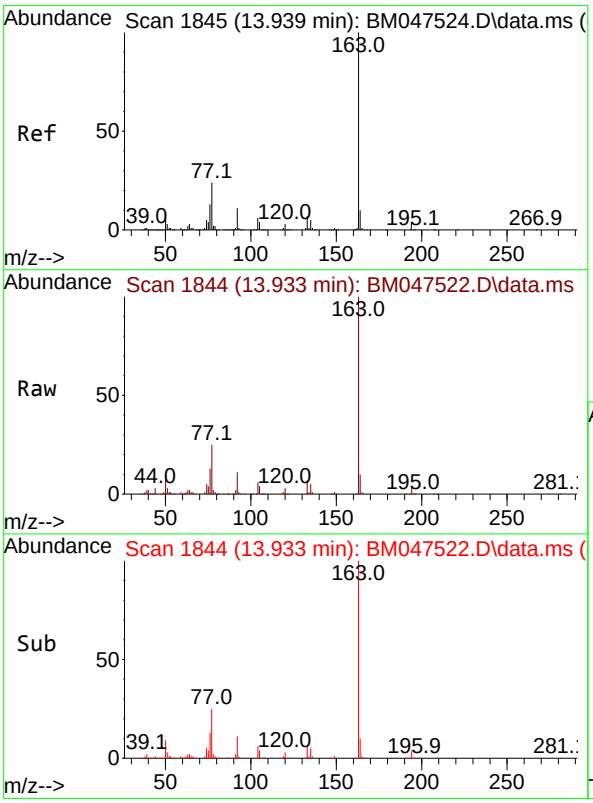
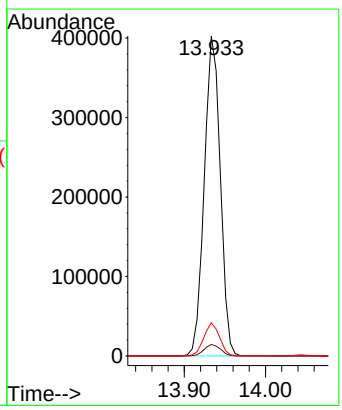
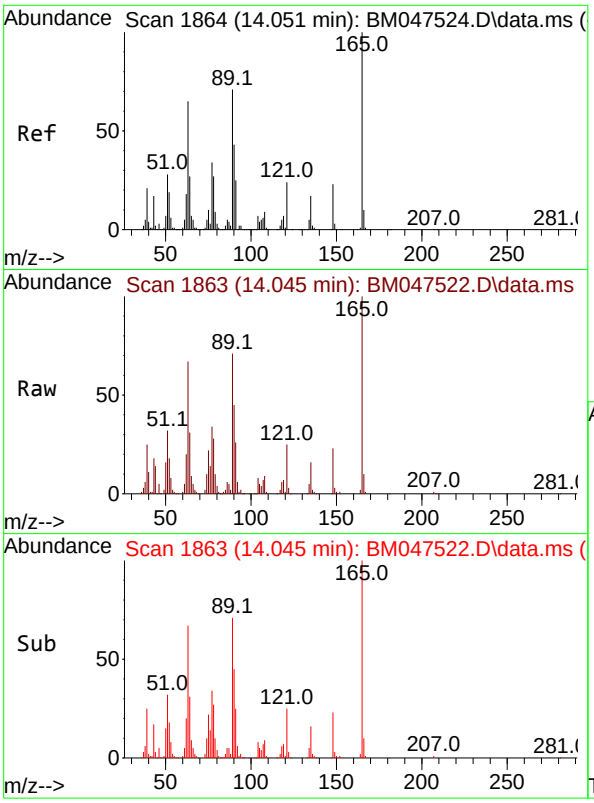


#50
Dimethylphthalate
Concen: 9.597 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

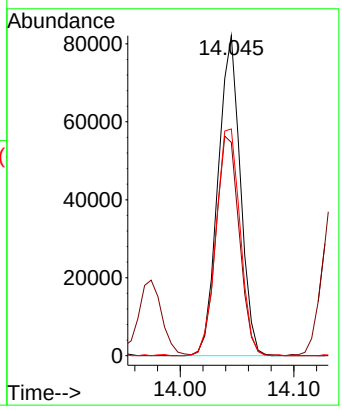




#51
2,6-Dinitrotoluene
Concen: 9.262 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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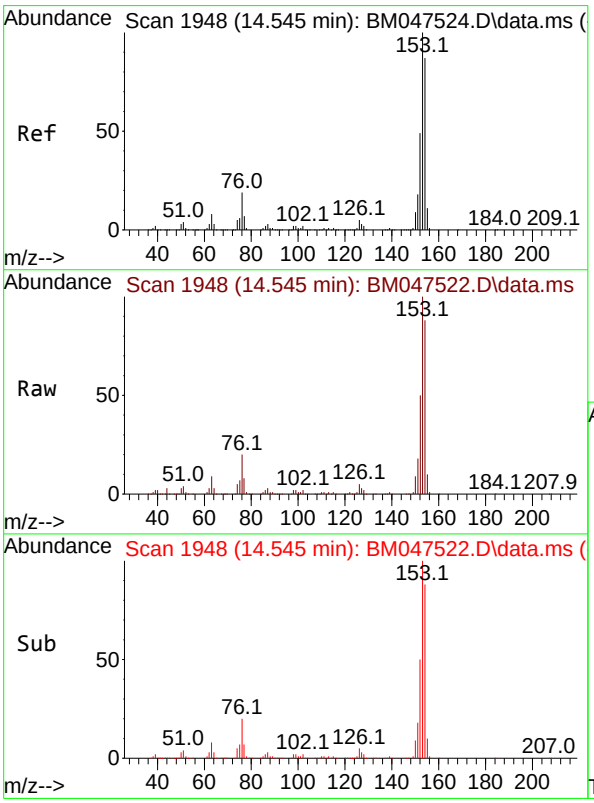
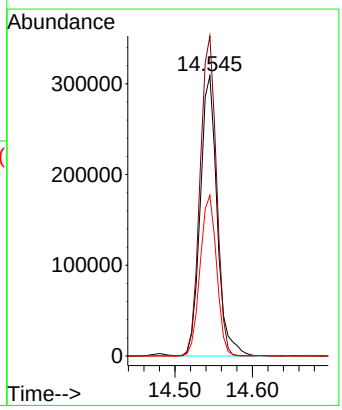
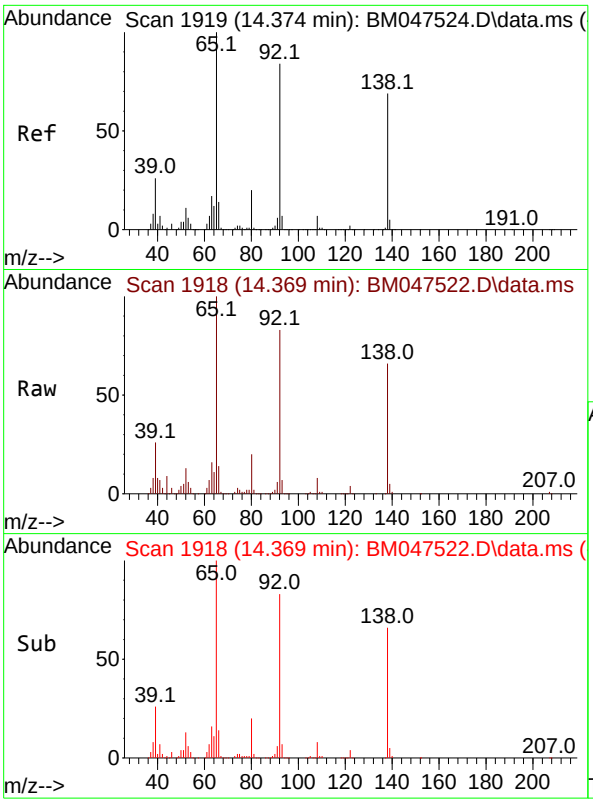


#52
Acenaphthene
Concen: 9.096 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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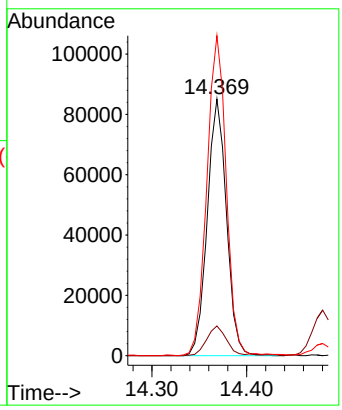
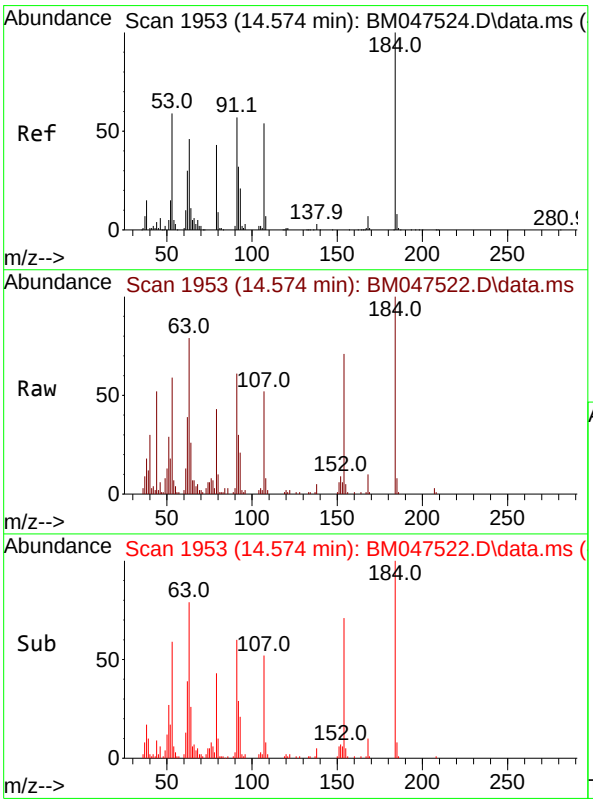
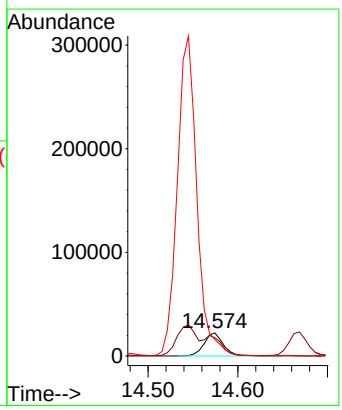


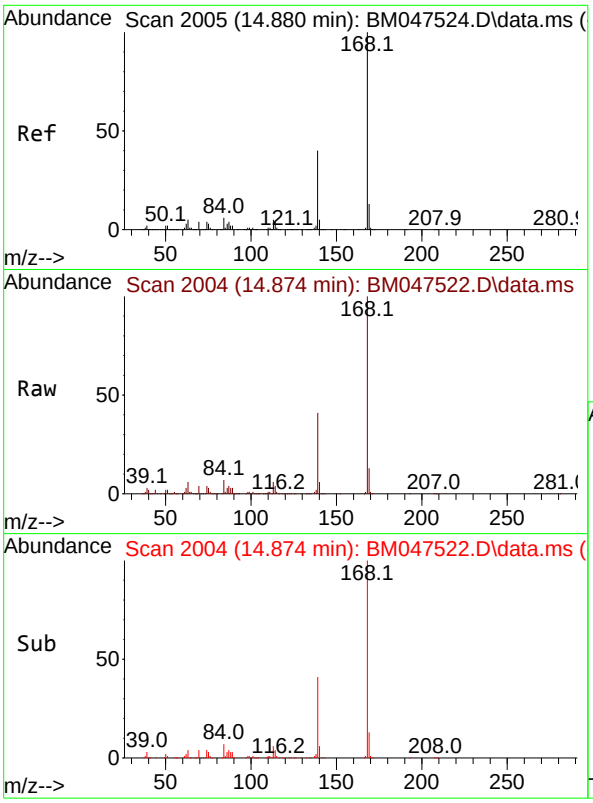


#54
2,4-Dinitrophenol
Concen: 9.768 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

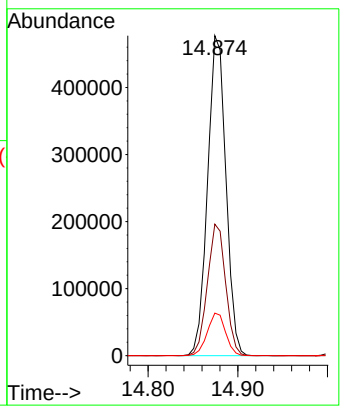




#55
Dibenzofuran
Concen: 9.374 ng
RT: 14.874 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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ClientSampleId :
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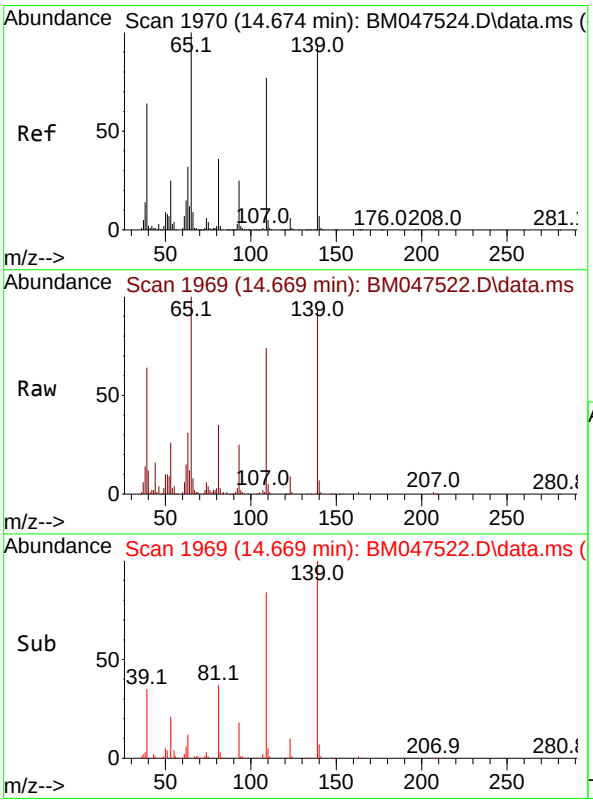
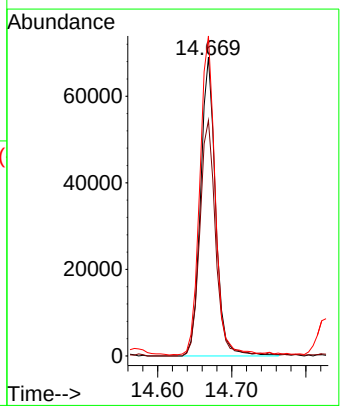
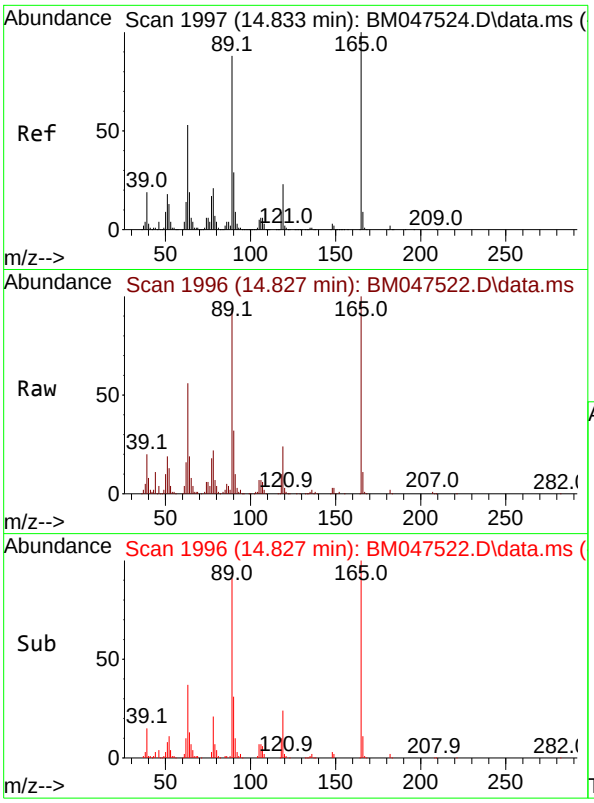


#56
4-Nitrophenol
Concen: 8.794 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

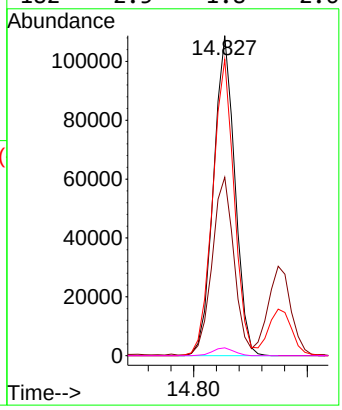




#57
2,4-Dinitrotoluene
Concen: 8.797 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
BNA_M
ClientSampleId :
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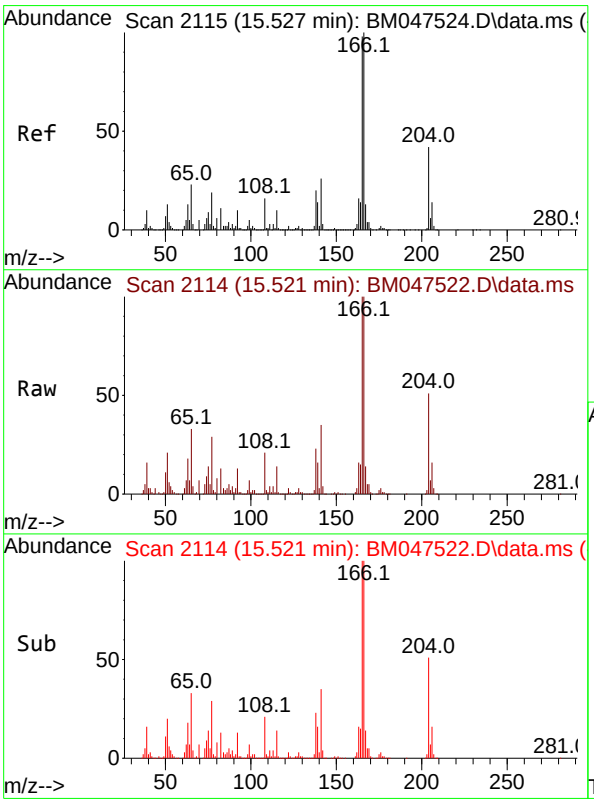
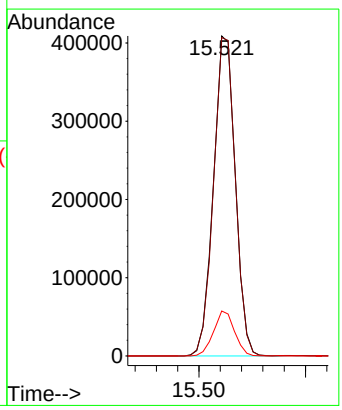
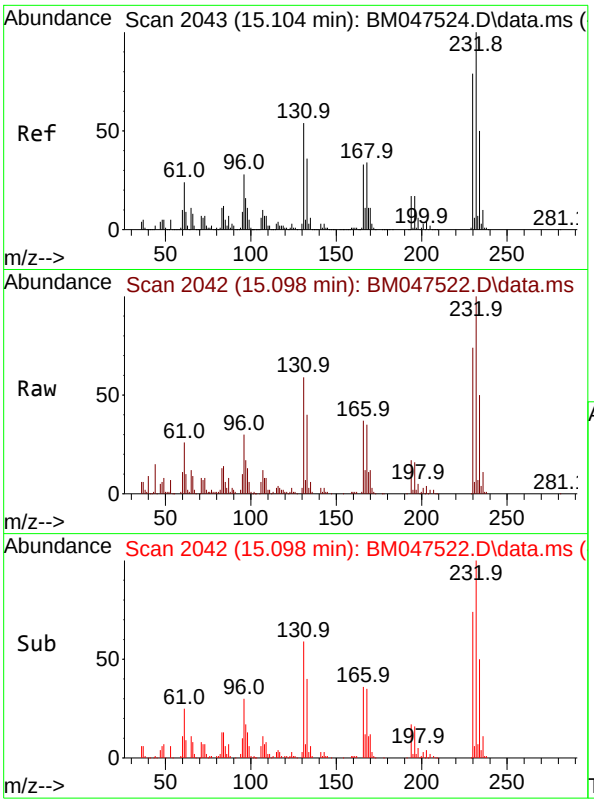


#58
Fluorene
Concen: 8.914 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

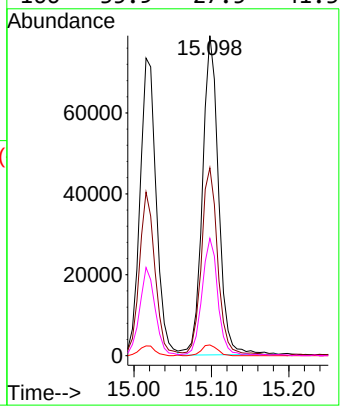




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.069 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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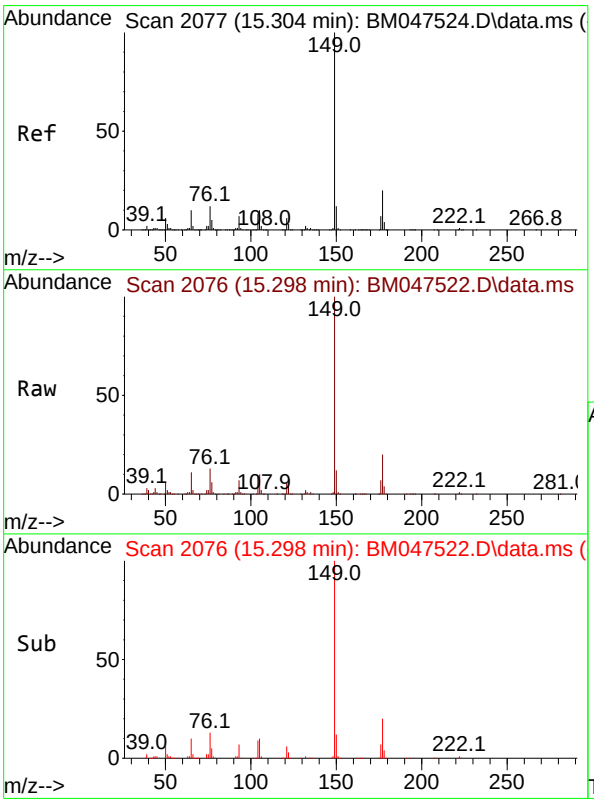
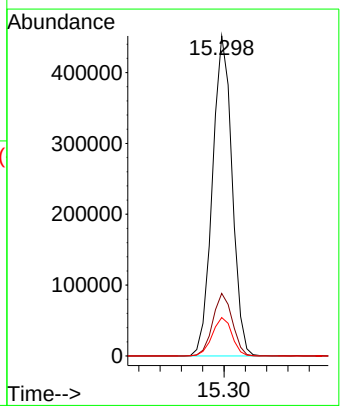
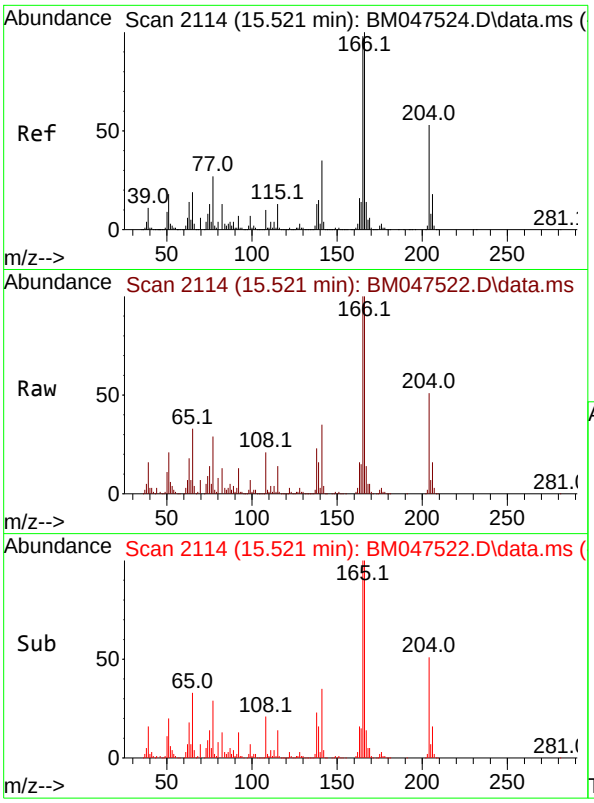


#60
Diethylphthalate
Concen: 9.472 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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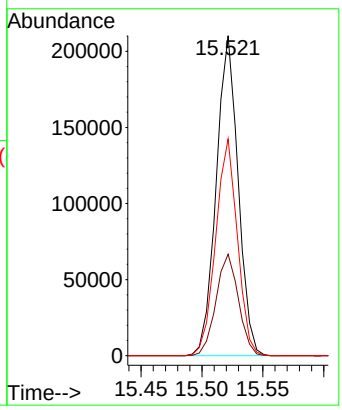
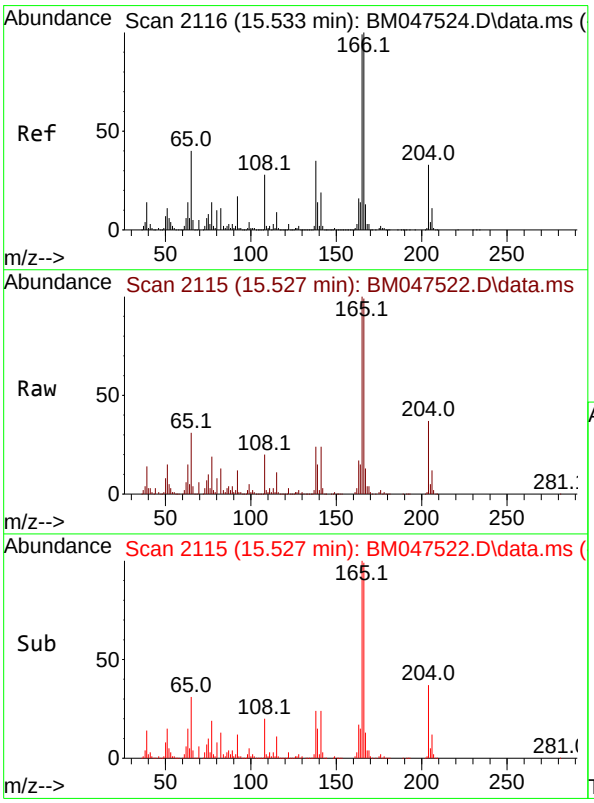
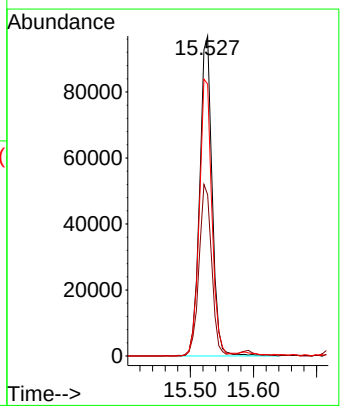


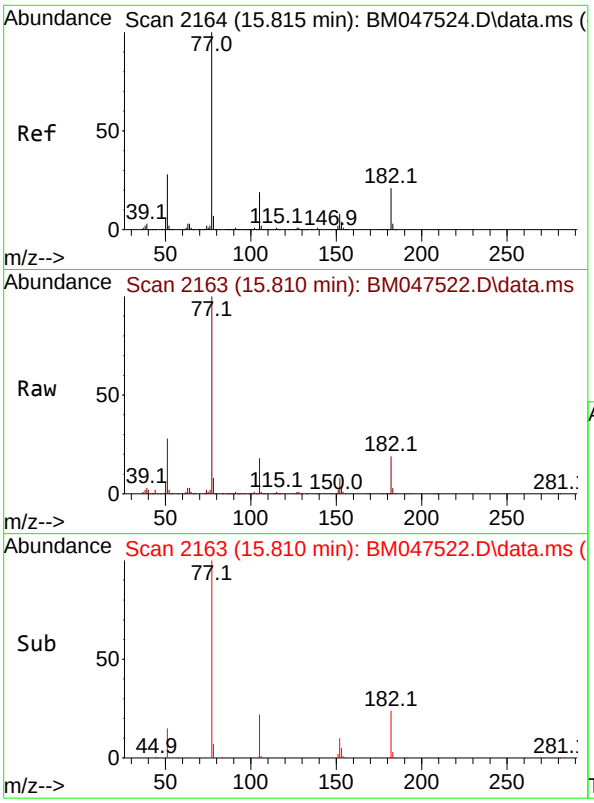


#62
4-Nitroaniline
Concen: 8.380 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

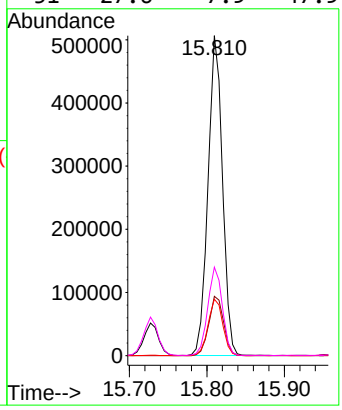




#63
Azobenzene
Concen: 9.759 ng
RT: 15.810 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
SSTDICC010

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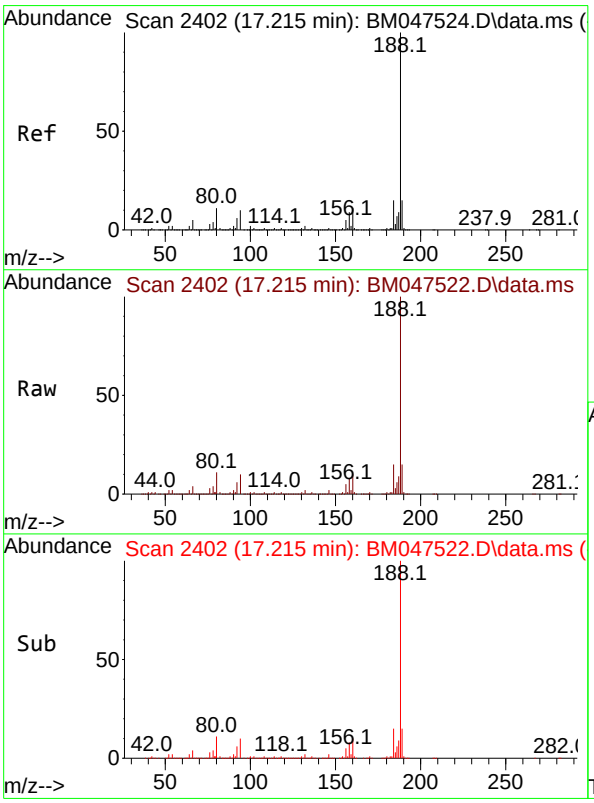
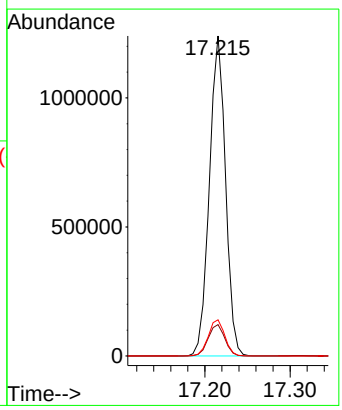
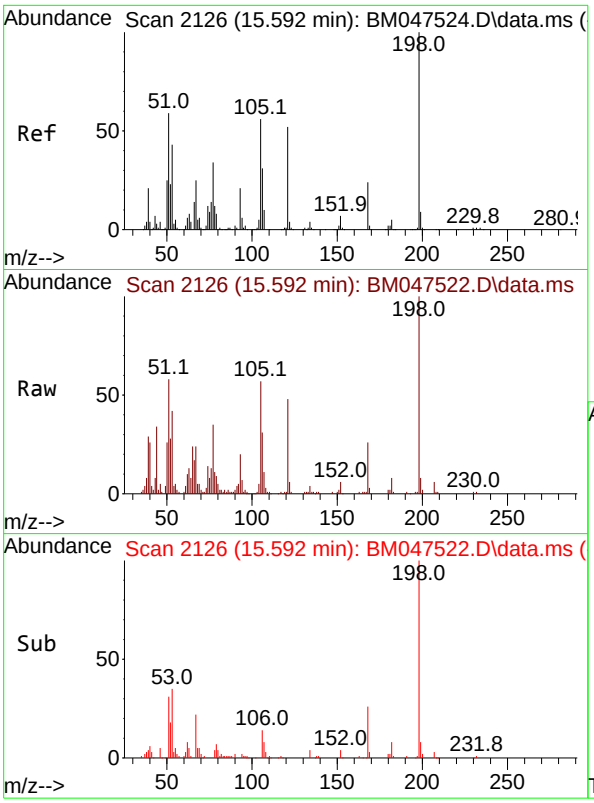


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
BNA_M
ClientSampleId :
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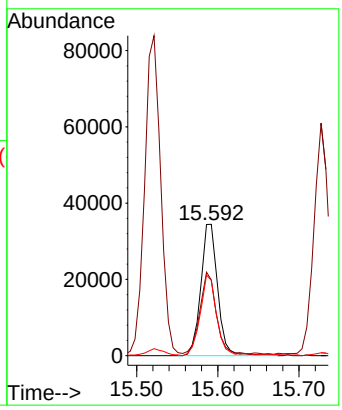
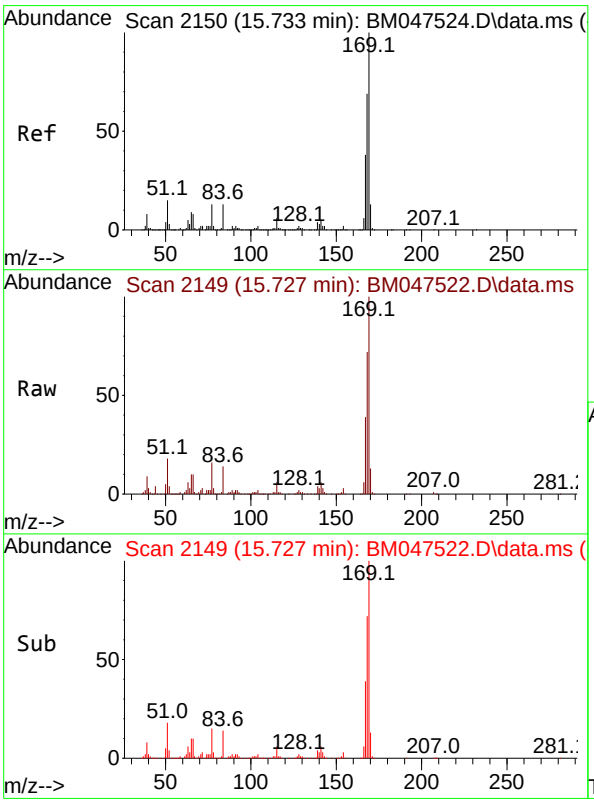
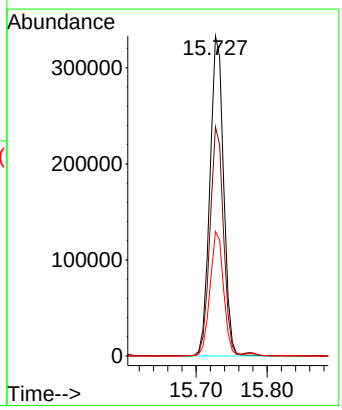


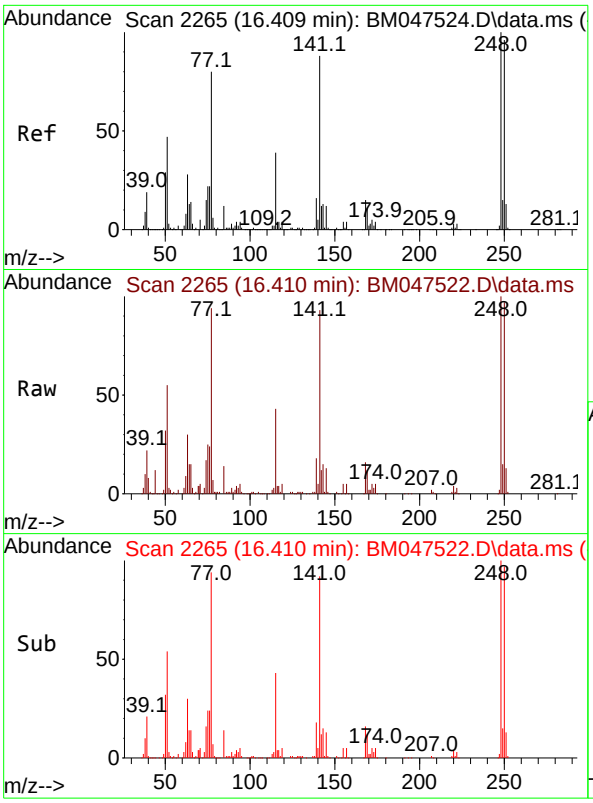


#66
n-Nitrosodiphenylamine
Concen: 8.925 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
BNA_M
ClientSampleId :
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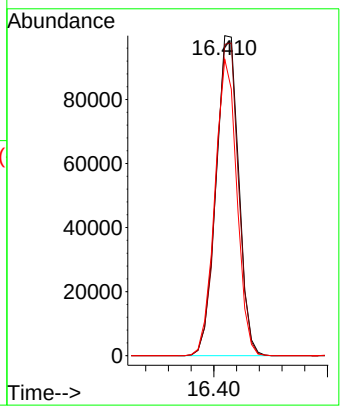
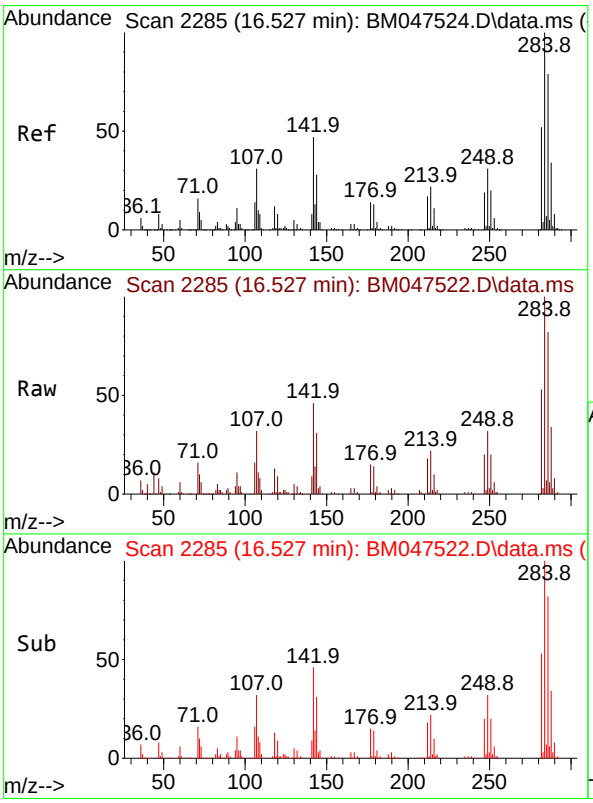
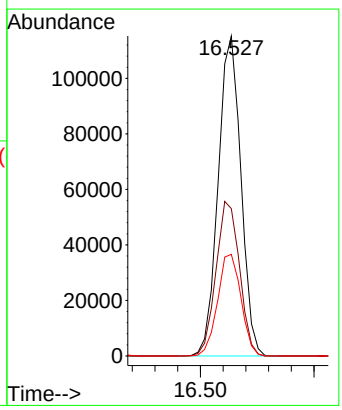


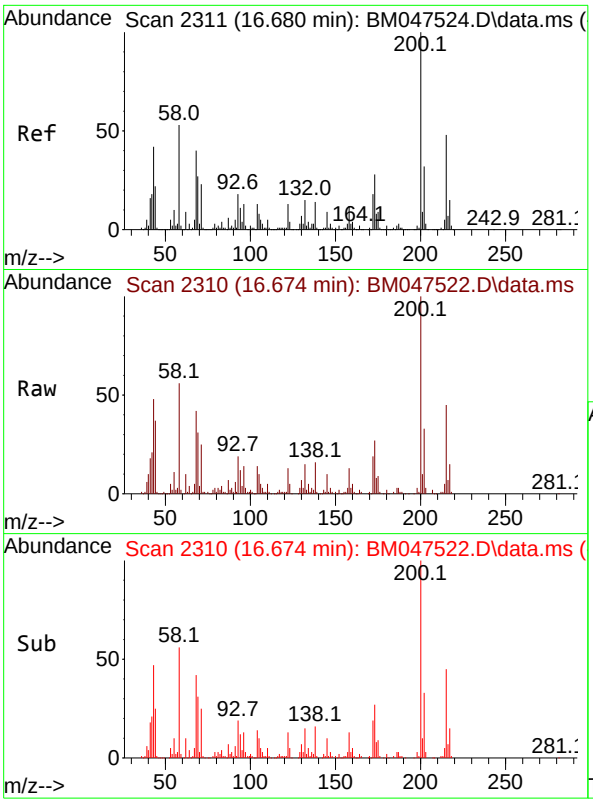


#68
Hexachlorobenzene
Concen: 8.922 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

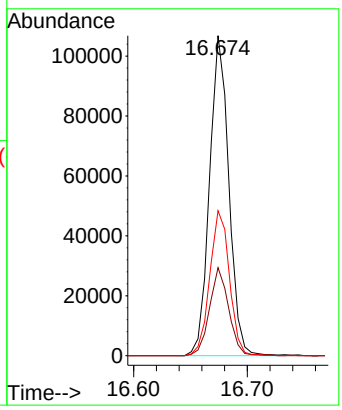




#69
Atrazine
Concen: 9.145 ng
RT: 16.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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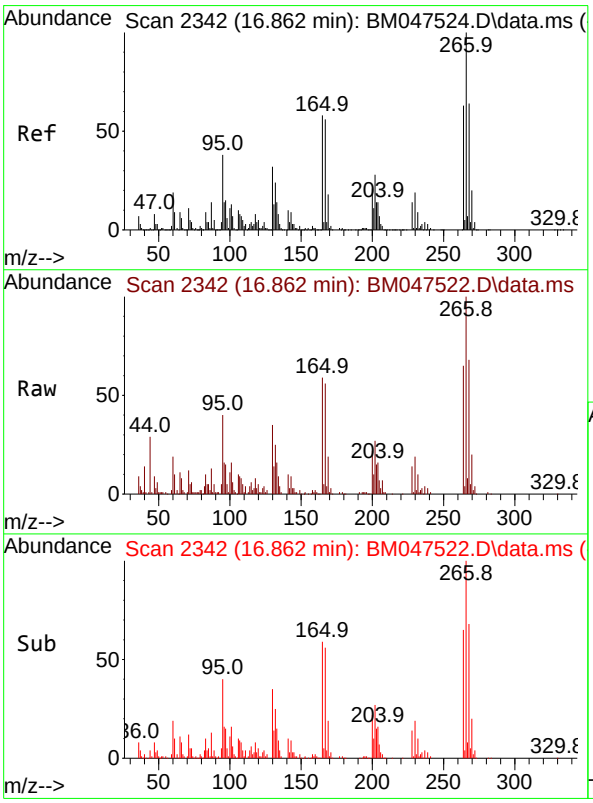
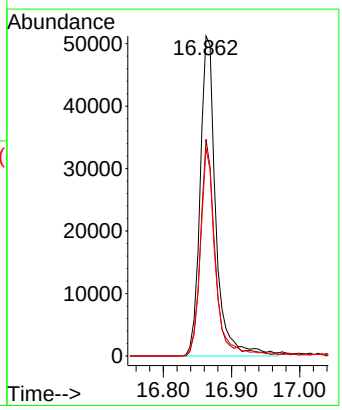
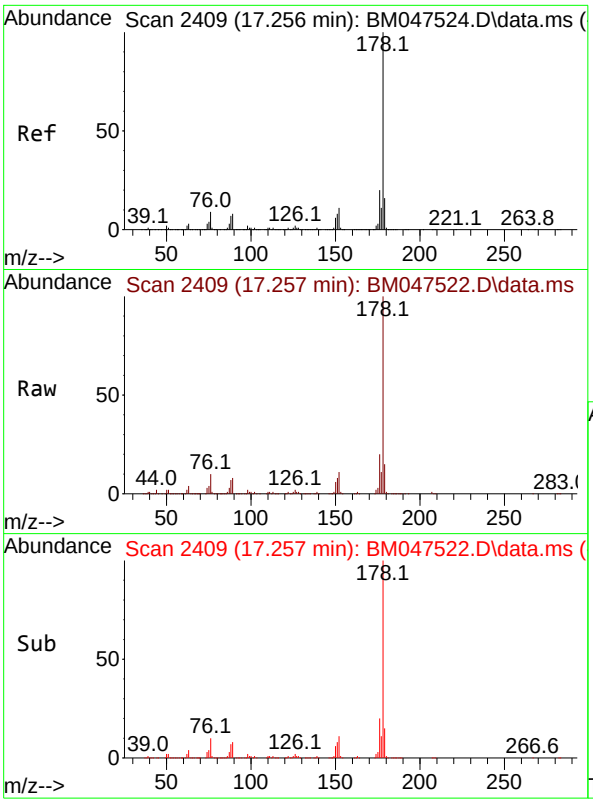


#70
Pentachlorophenol
Concen: 7.890 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

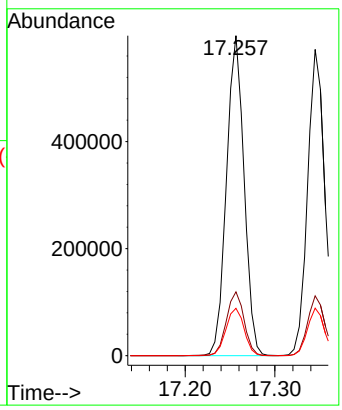




#71
Phenanthrene
Concen: 9.064 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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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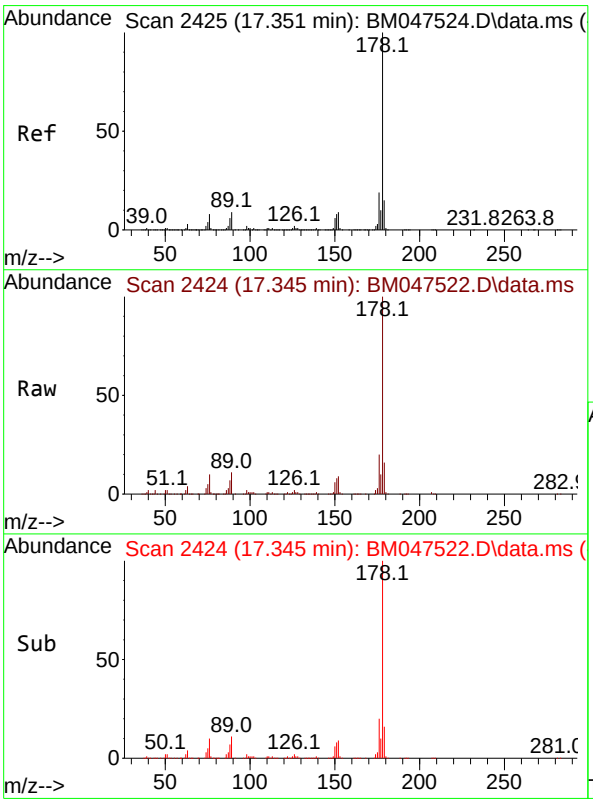
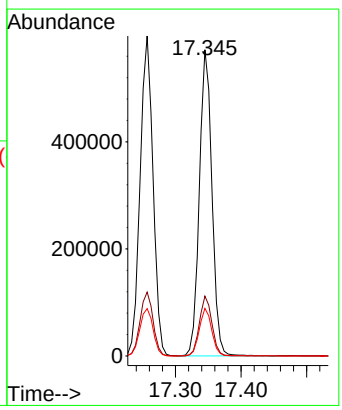
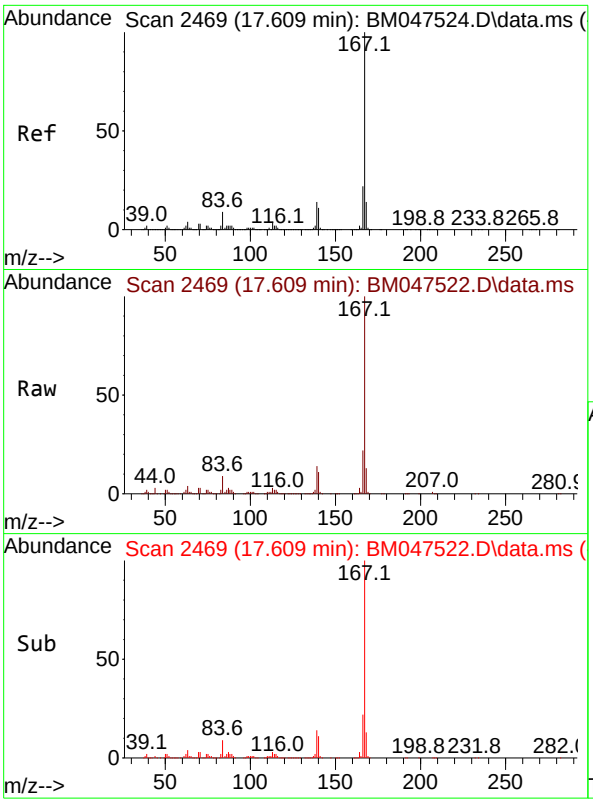


#72
Anthracene
Concen: 8.864 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

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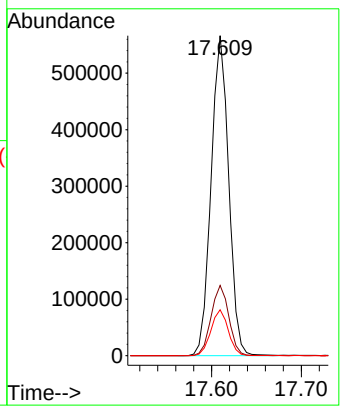
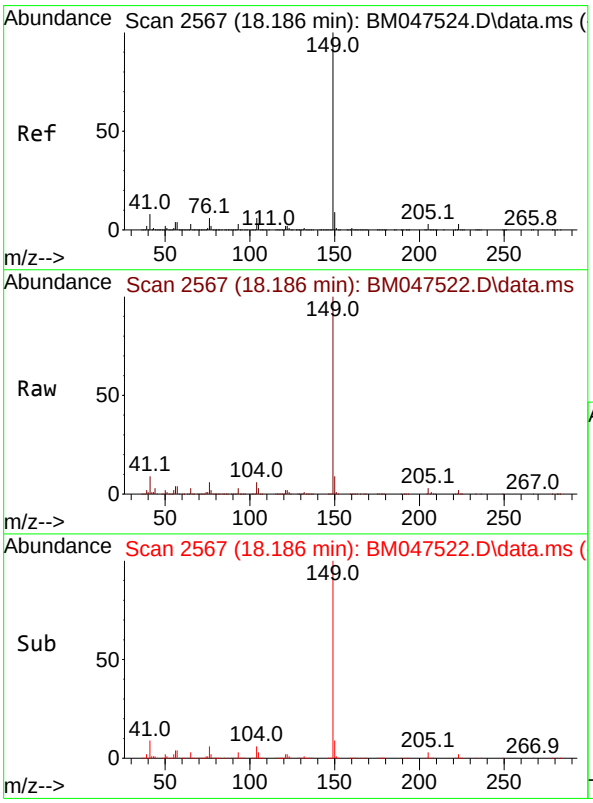
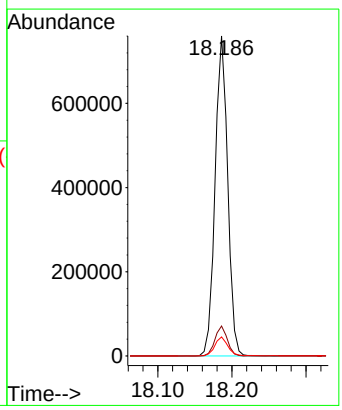


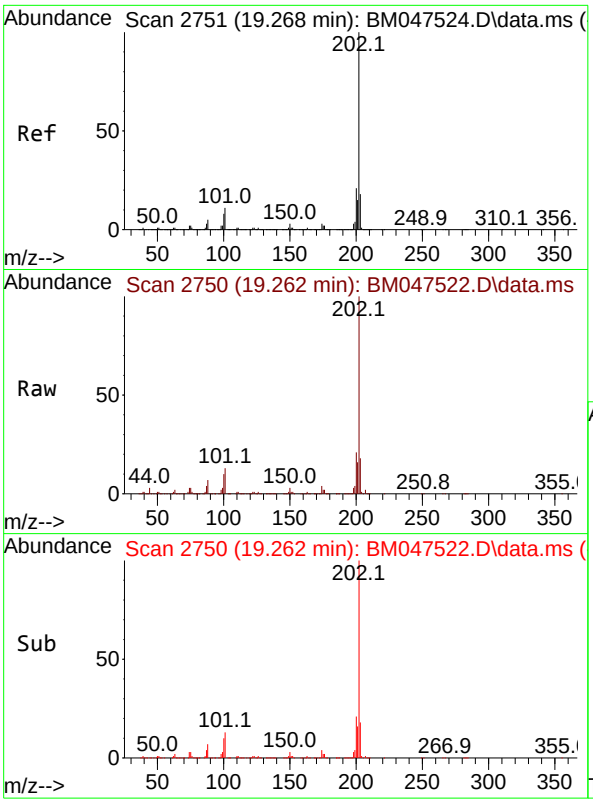


#74
Di-n-butylphthalate
Concen: 8.736 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

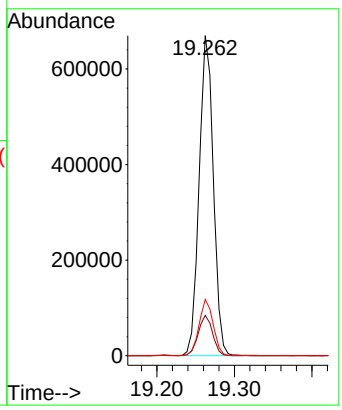




#75
Fluoranthene
Concen: 8.684 ng
RT: 19.262 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
SSTDICC010

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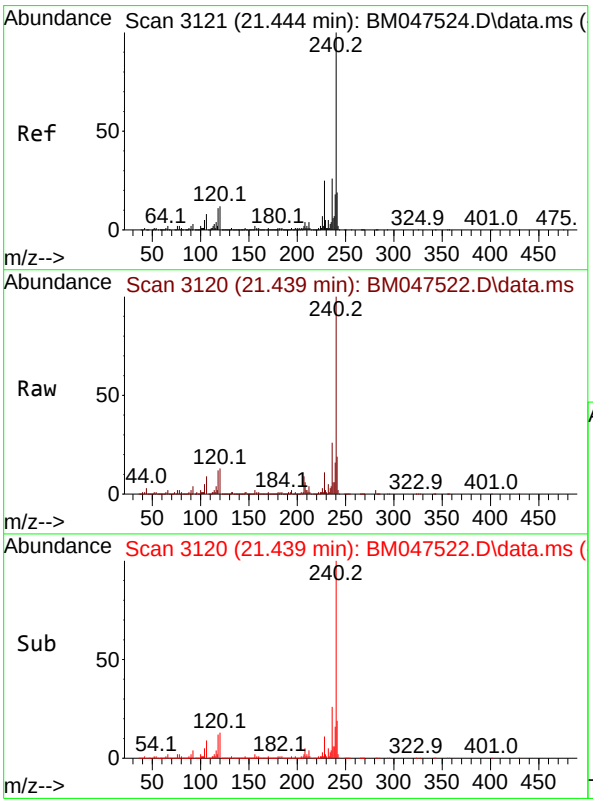
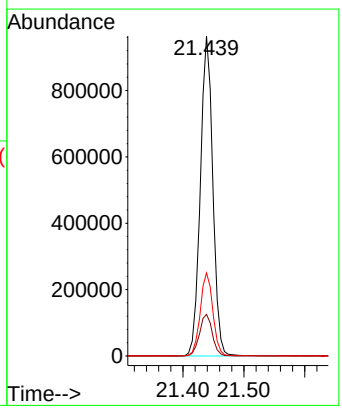
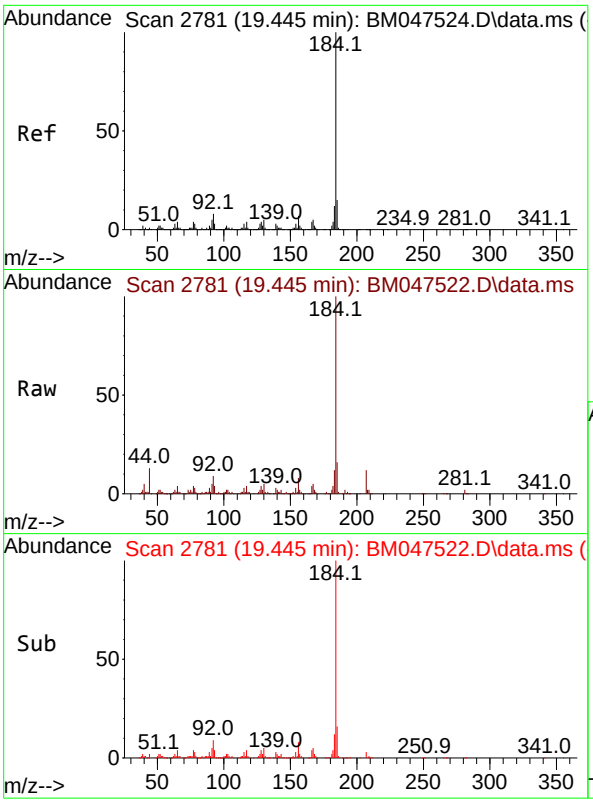


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

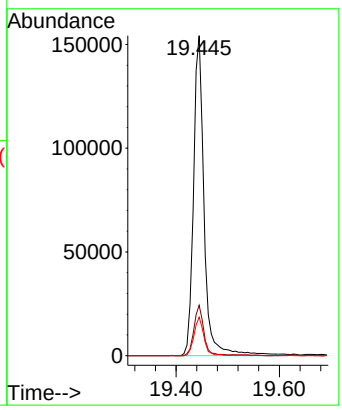




#77
Benzidine
Concen: 11.370 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
BNA_M
ClientSampleId :
SSTDICC010

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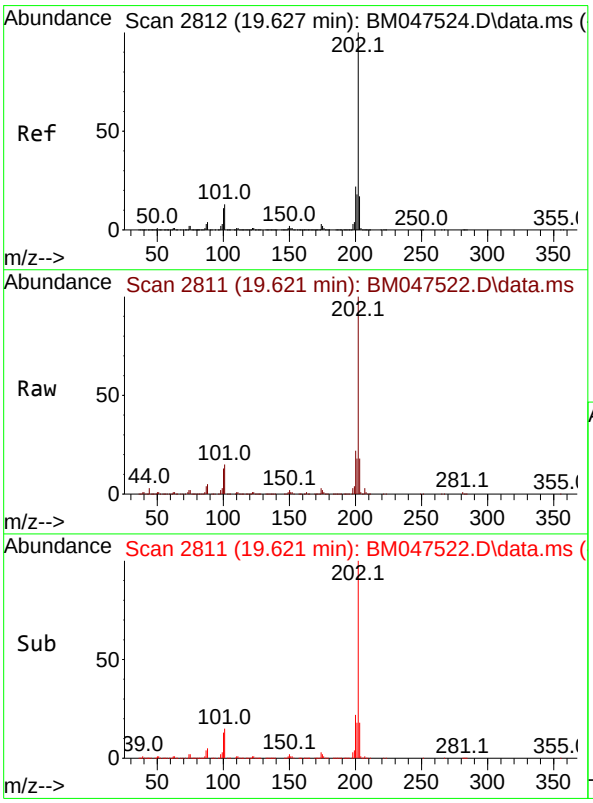
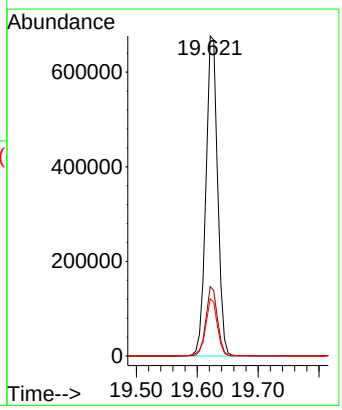
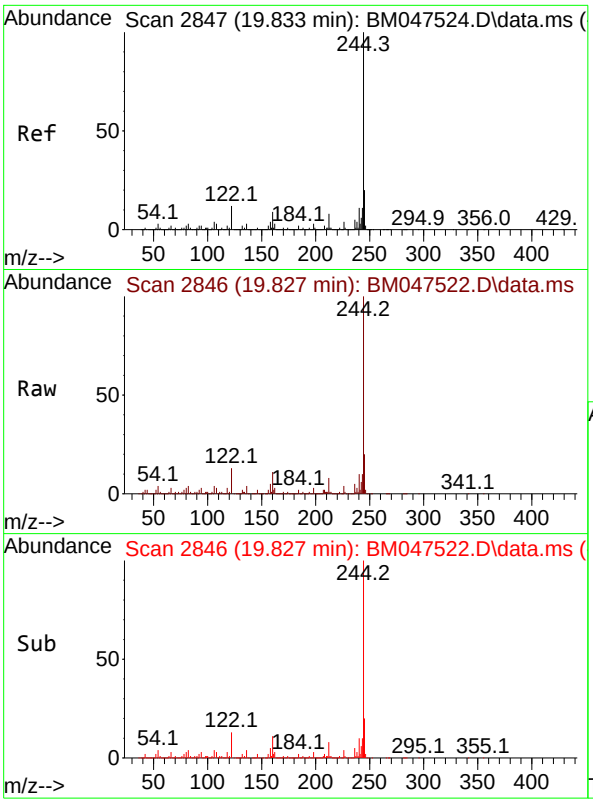


#78
Pyrene
Concen: 9.028 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

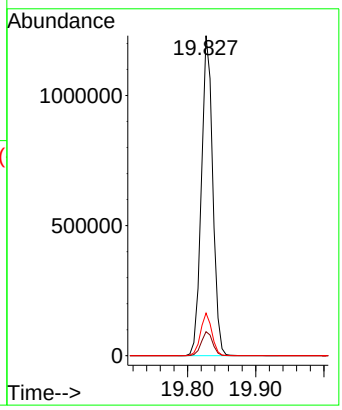




#79
Terphenyl-d14
Concen: 18.586 ng
RT: 19.827 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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 :
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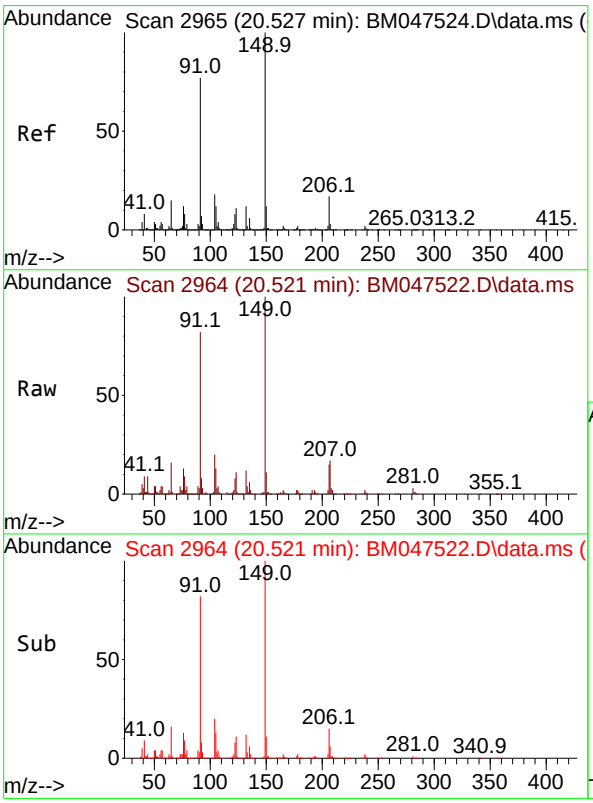
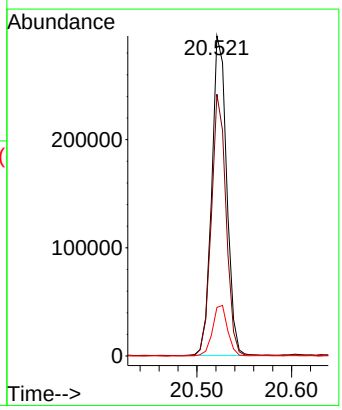
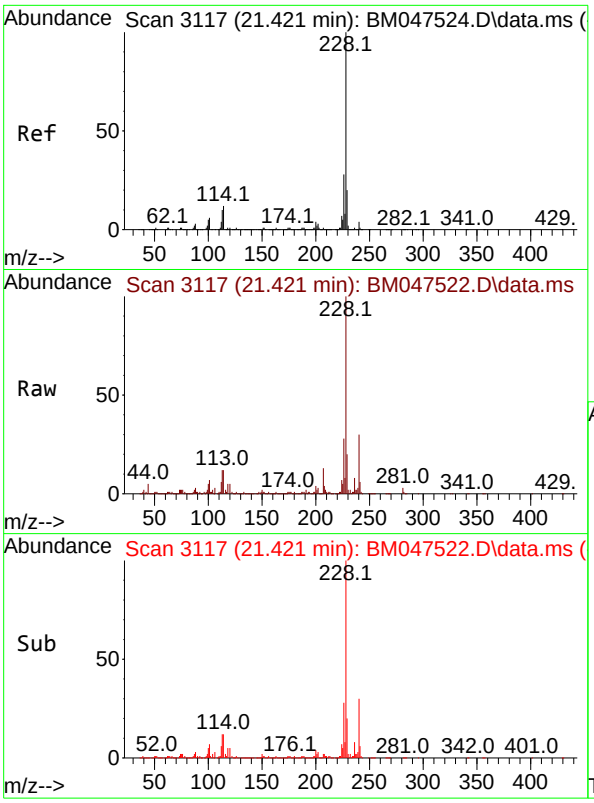


#80
Butylbenzylphthalate
Concen: 8.440 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

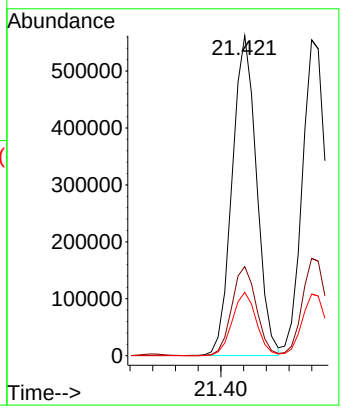




#81
Benzo(a)anthracene
Concen: 9.357 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

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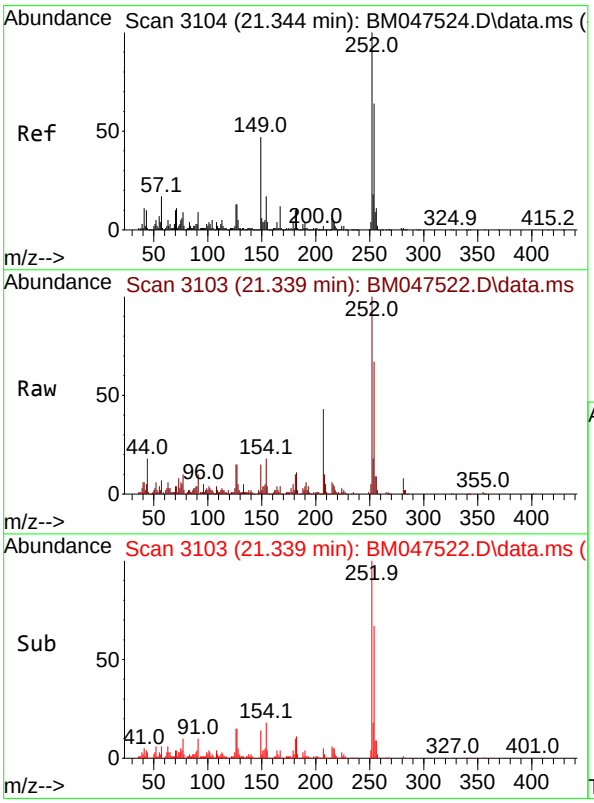
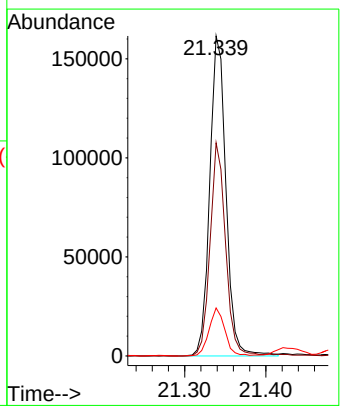
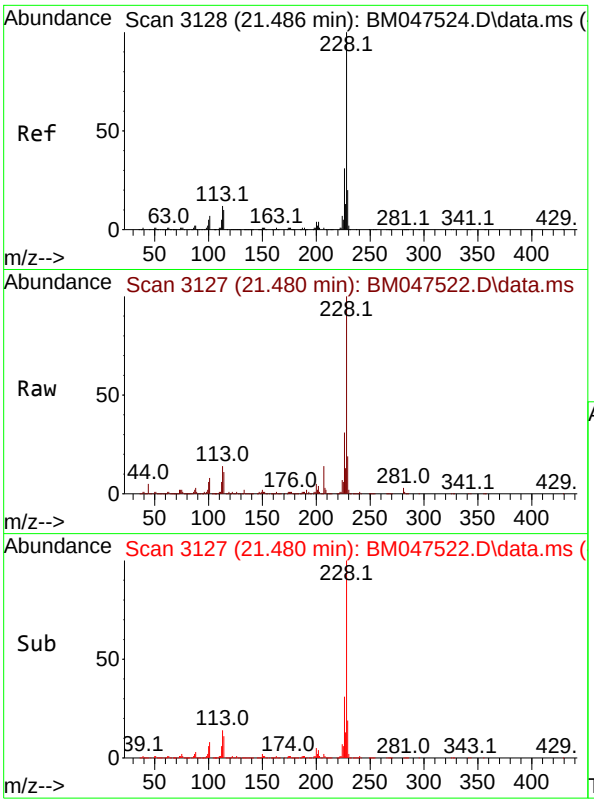


#82
3,3'-Dichlorobenzidine
Concen: 9.410 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

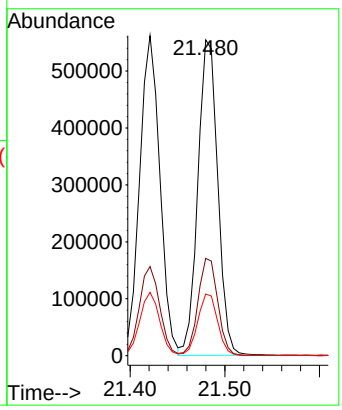




#83
Chrysene
Concen: 9.553 ng
RT: 21.480 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:228 Resp: 80830

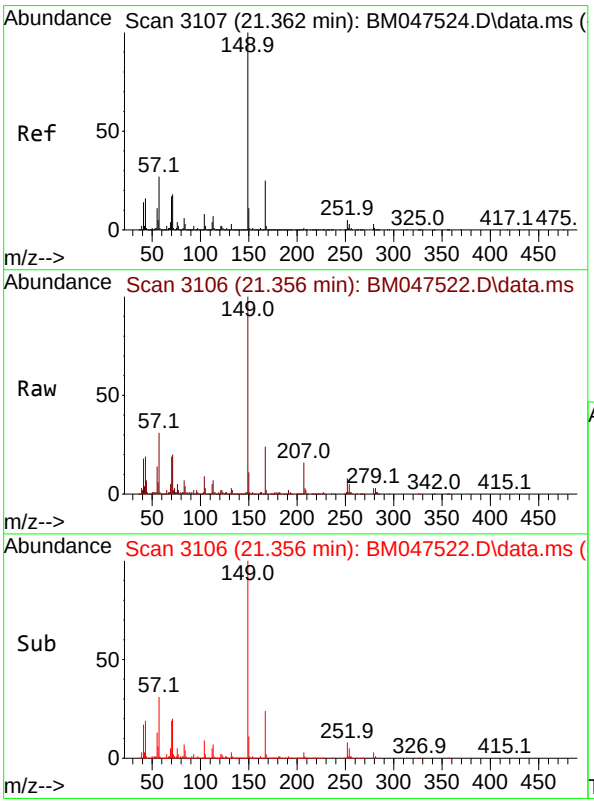
Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	19.5	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

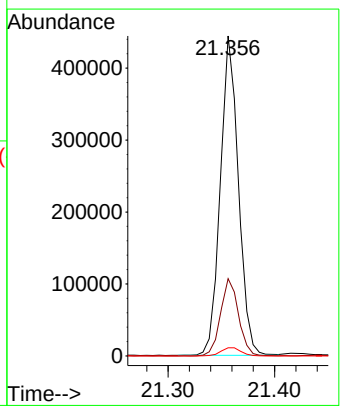
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

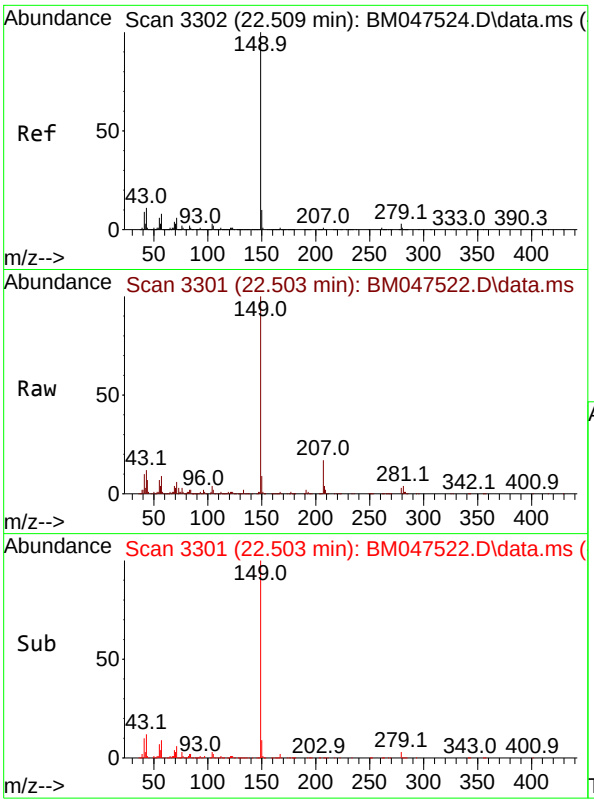


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.654 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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#

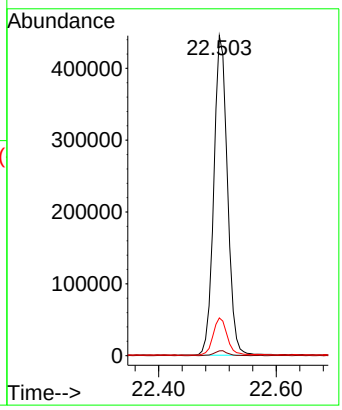




#85
Di-n-octyl phthalate
Concen: 8.380 ng
RT: 22.503 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 71560

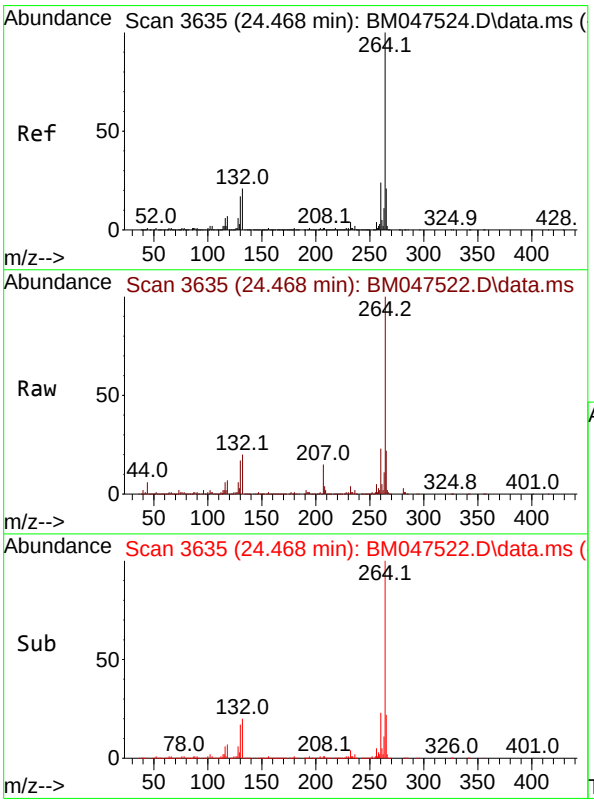
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	12.1	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

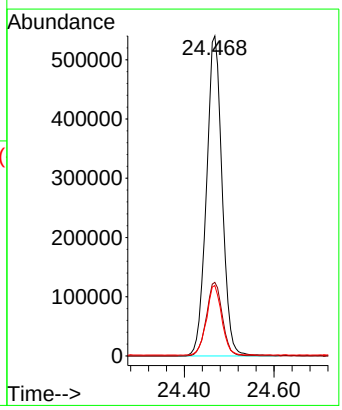
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

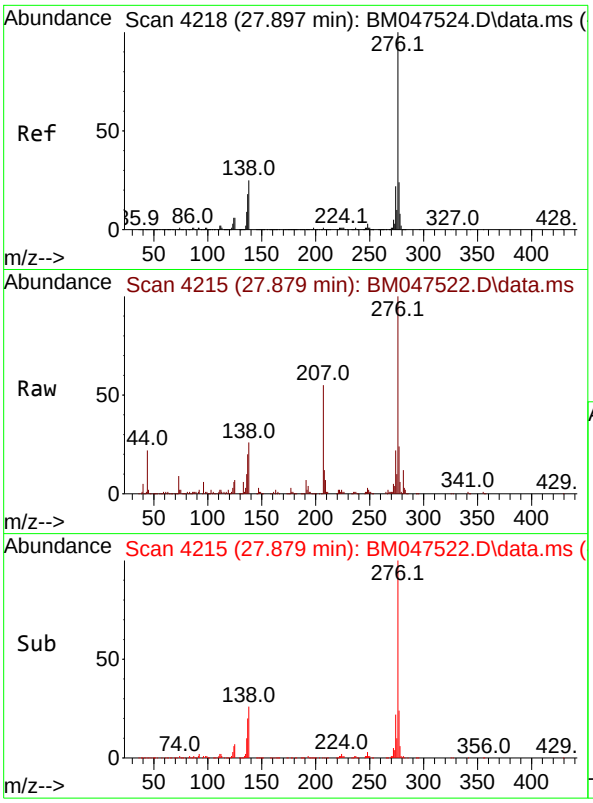


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

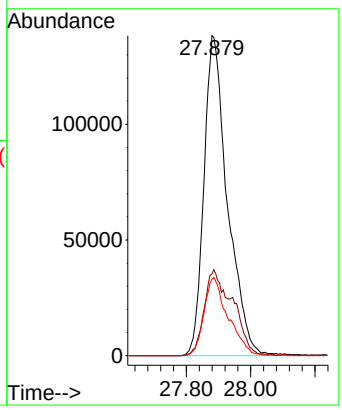




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.979 ng
RT: 27.879 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:276 Resp: 70455

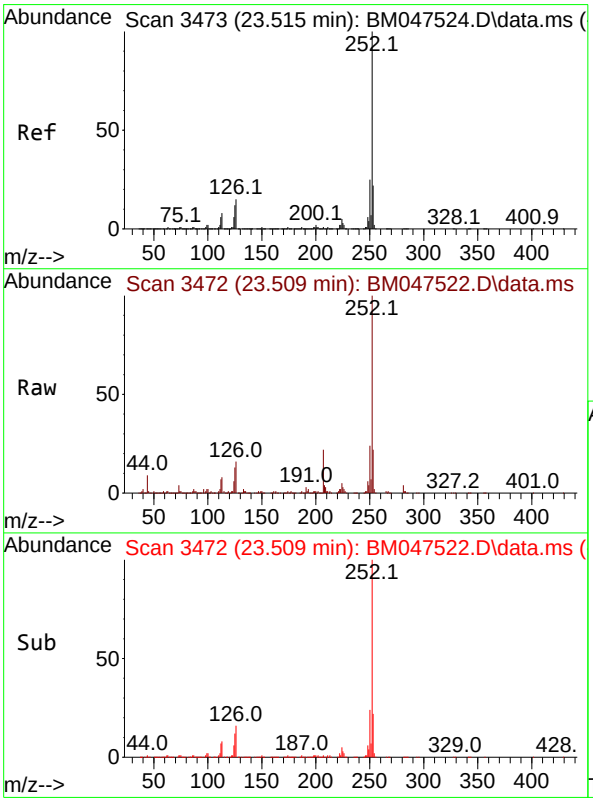
Ion	Ratio	Lower	Upper
276	100		
138	32.4	25.0	37.6
277	25.0	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

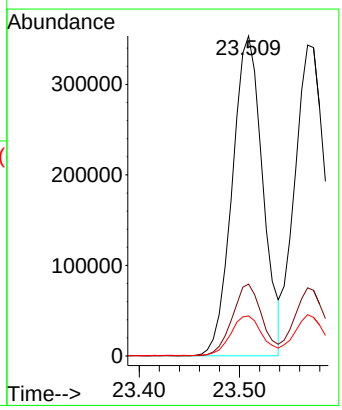
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

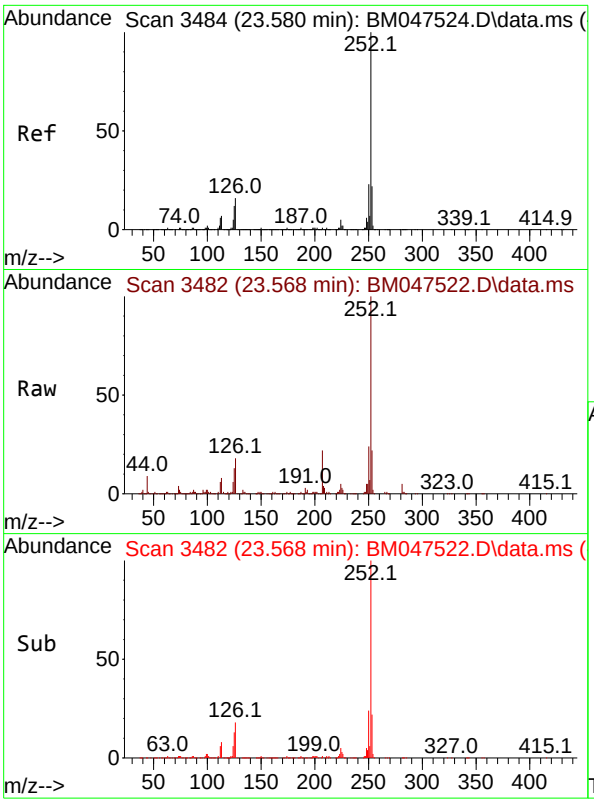


#88
Benzo(b)fluoranthene
Concen: 8.823 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

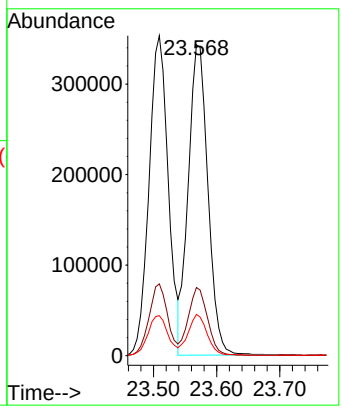




#89
Benzo(k)fluoranthene
Concen: 8.816 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 74123

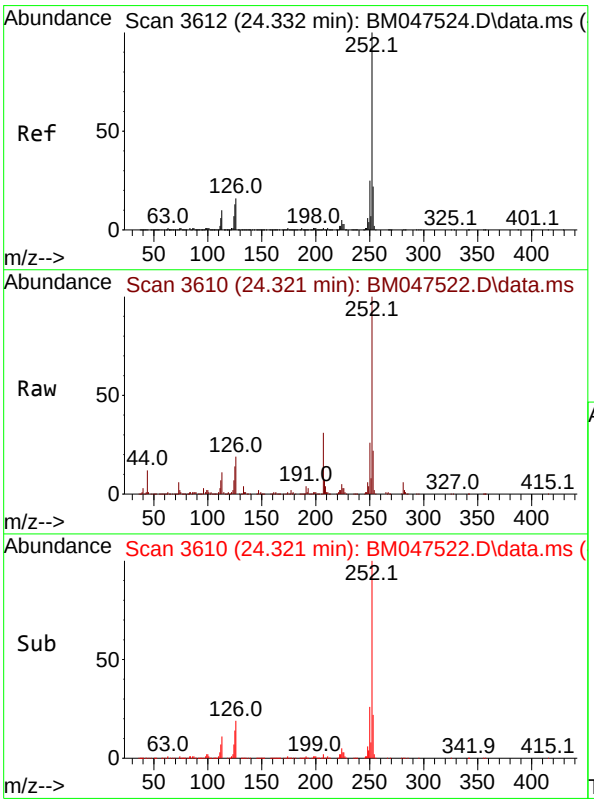
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	13.3	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

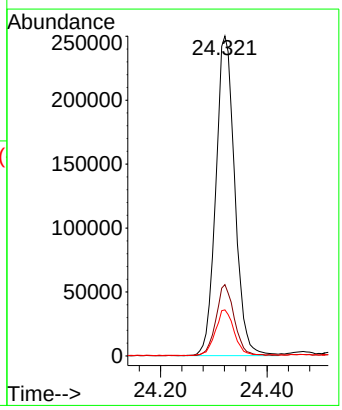
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

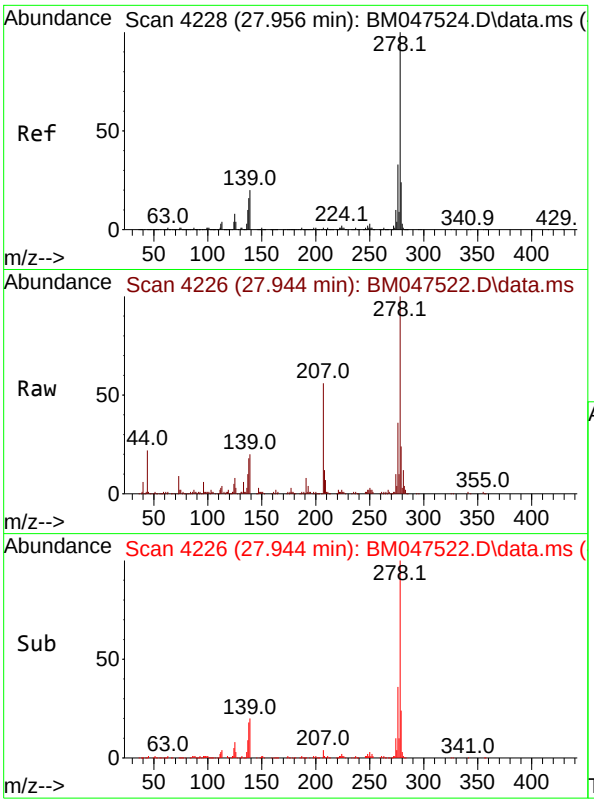


#90
Benzo(a)pyrene
Concen: 8.868 ng
RT: 24.321 min Scan# 3610
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

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

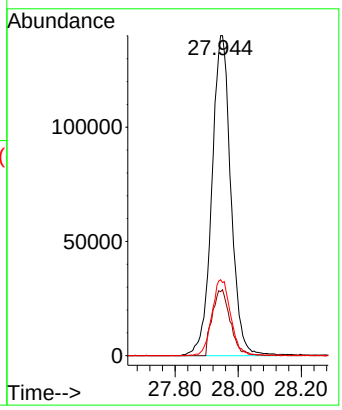




#91
Dibenzo(a,h)anthracene
Concen: 8.876 ng
RT: 27.944 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:278 Resp: 58595

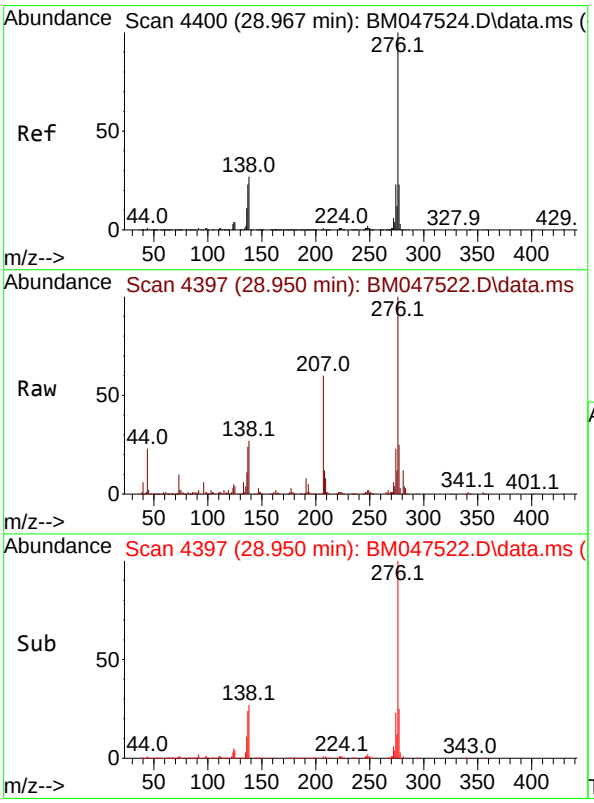
Ion	Ratio	Lower	Upper
278	100		
139	20.0	15.9	23.9
279	23.8	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

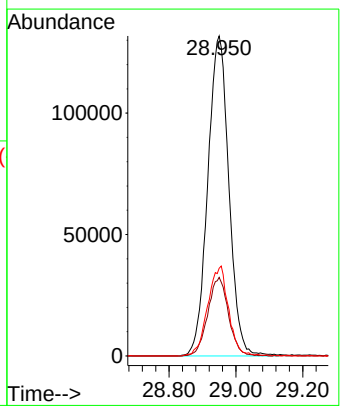
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

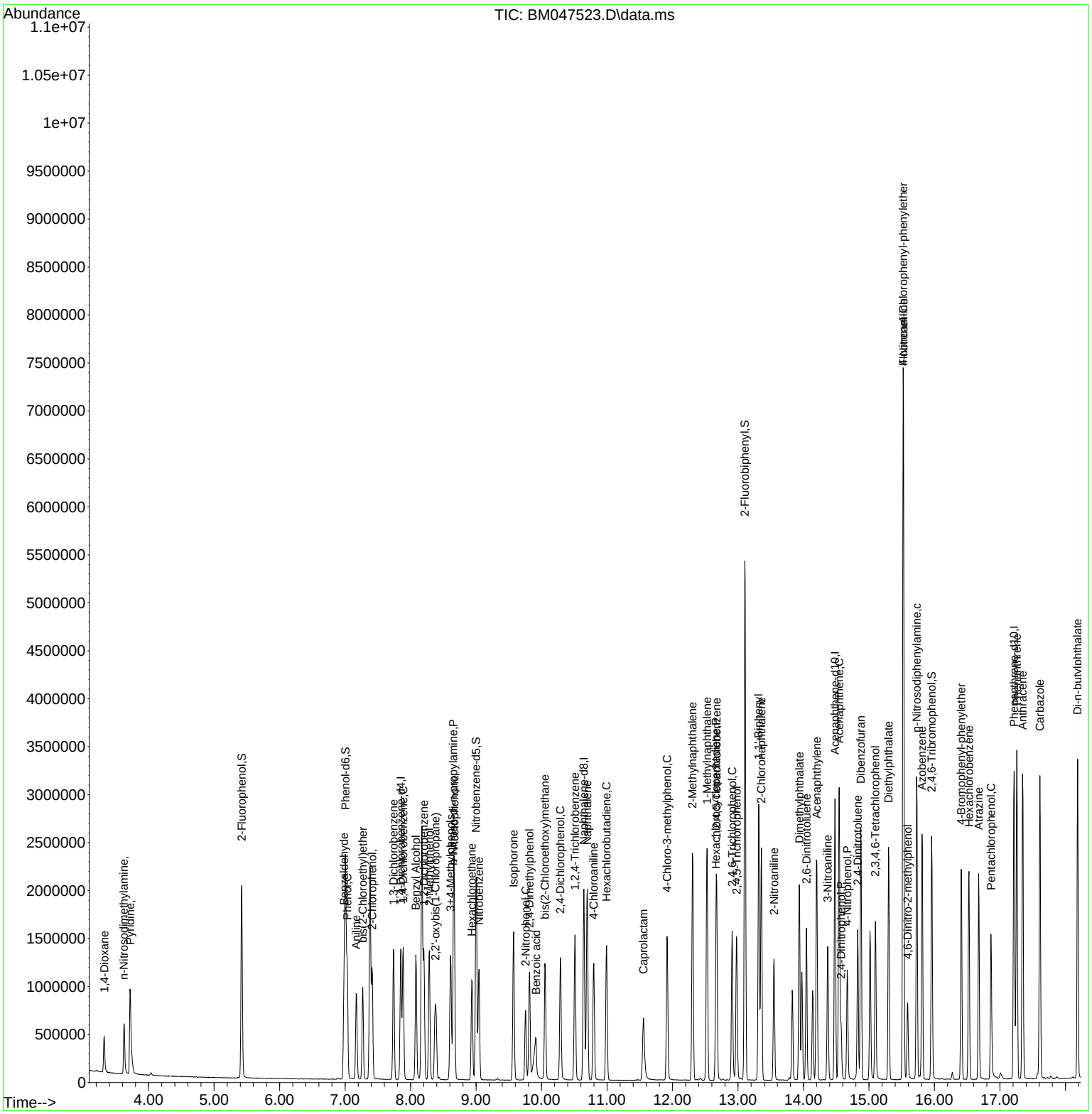
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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



ICAL Form

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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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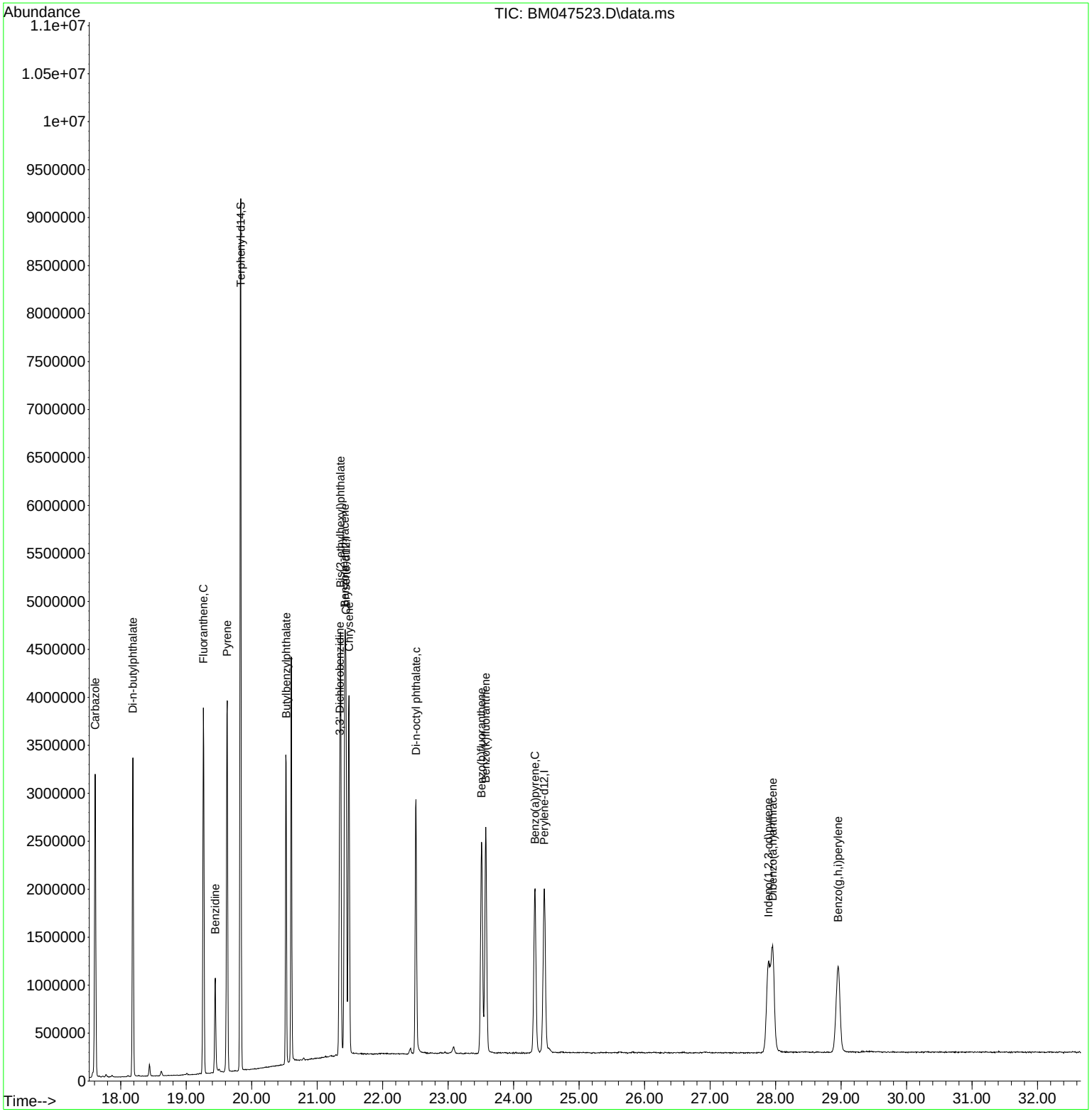
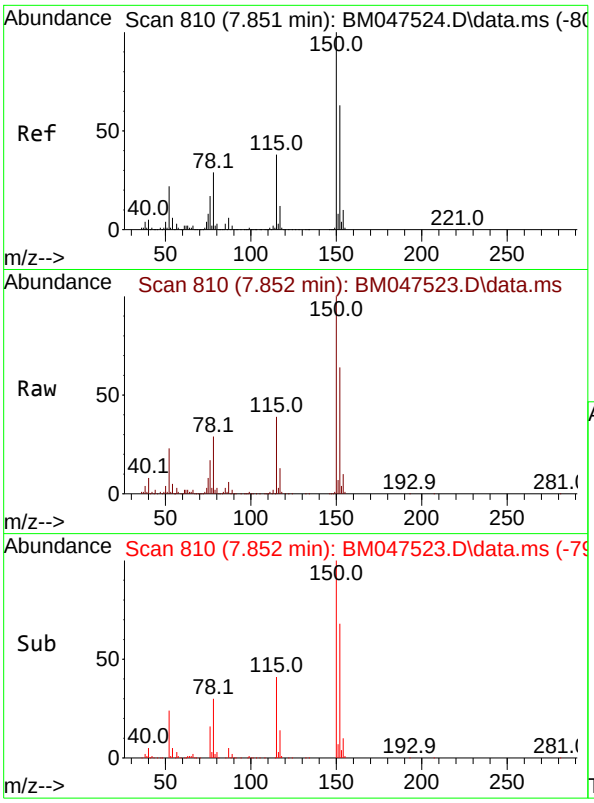
Response via : Initial Calibration



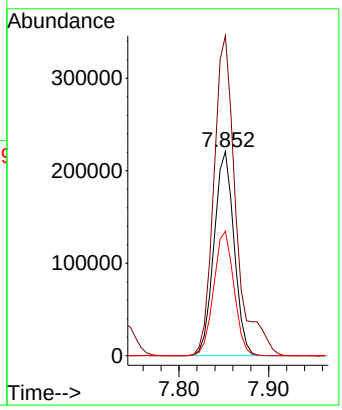


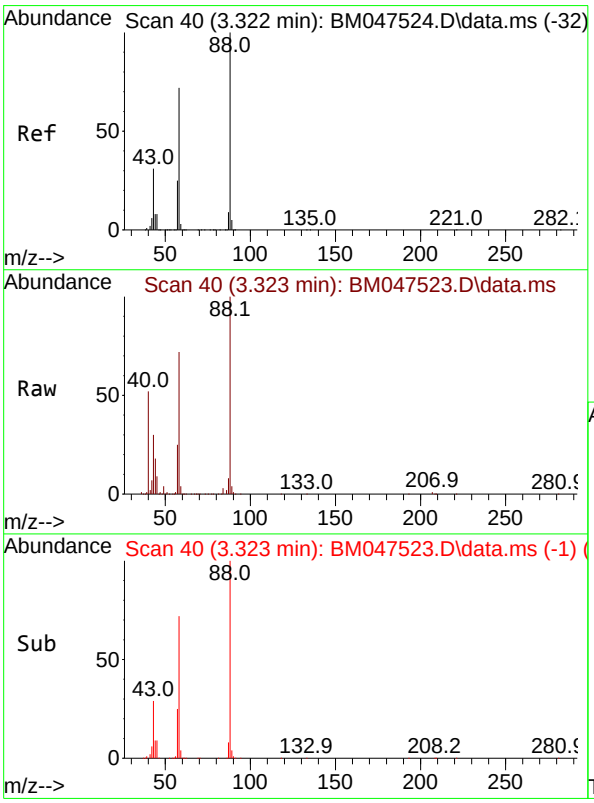
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

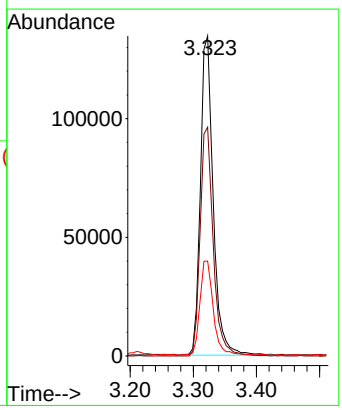


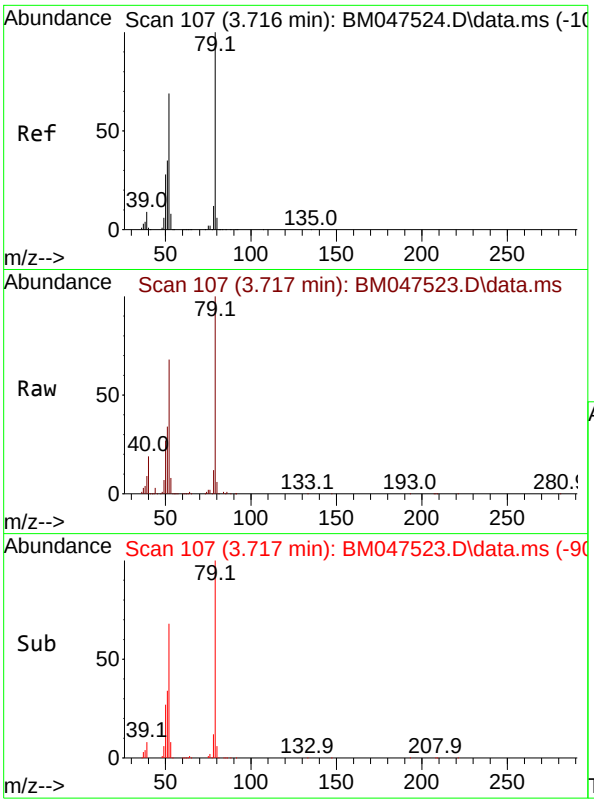


#2
1,4-Dioxane
Concen: 20.528 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



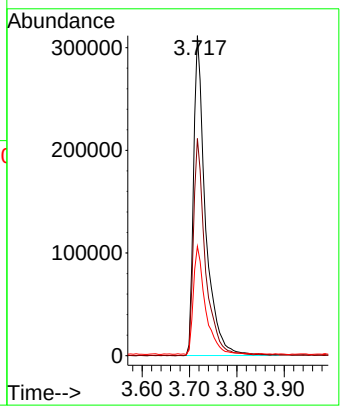


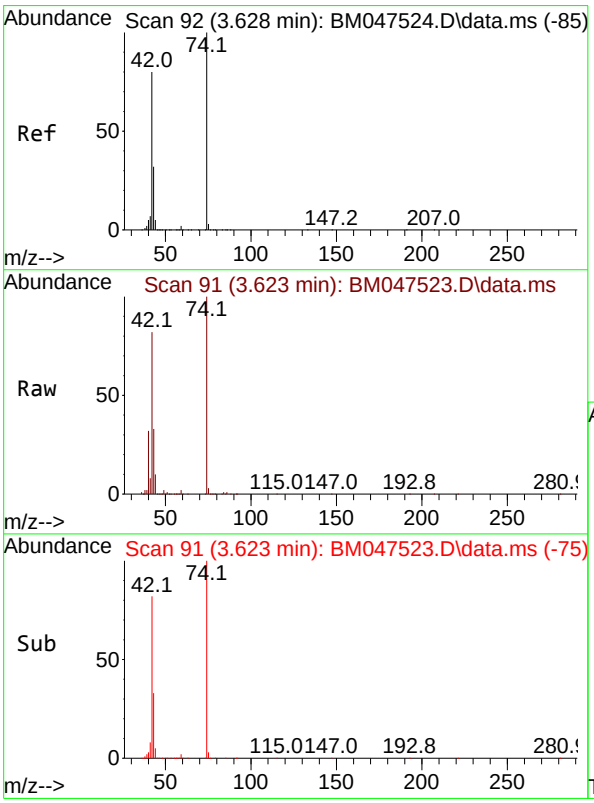
#3
Pyridine
Concen: 19.917 ng
RT: 3.717 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

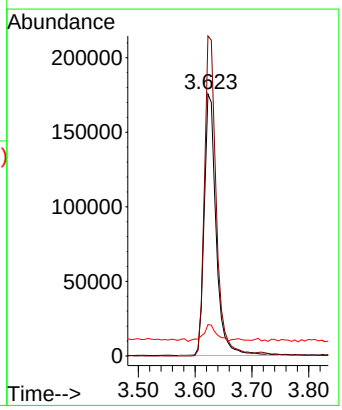


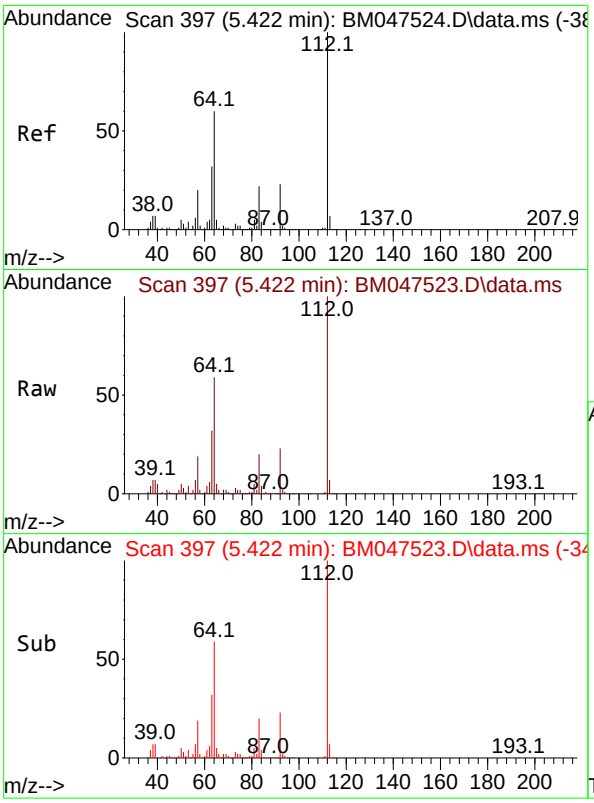


#4
n-Nitrosodimethylamine
Concen: 20.433 ng
RT: 3.623 min Scan# 91
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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#



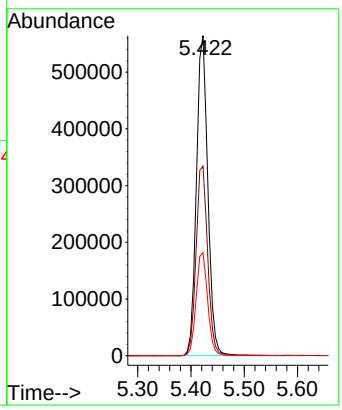


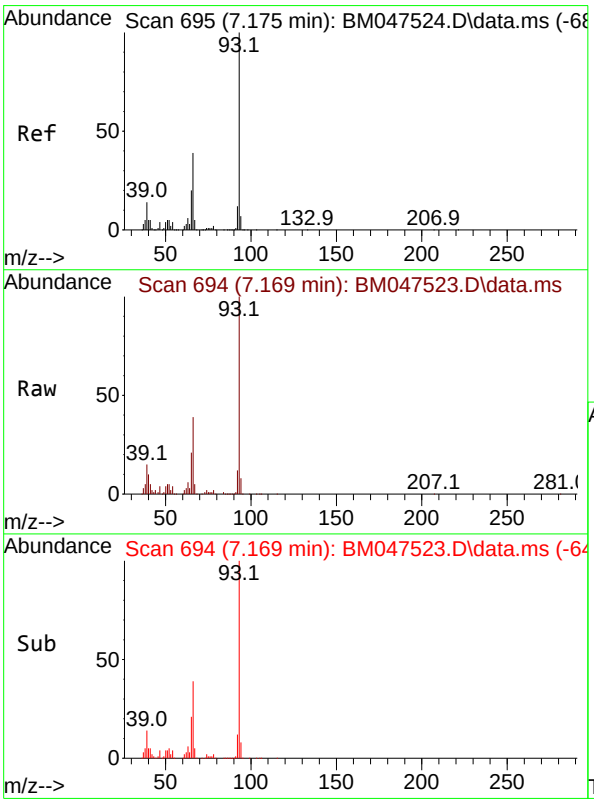
#5
2-Fluorophenol
Concen: 39.116 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

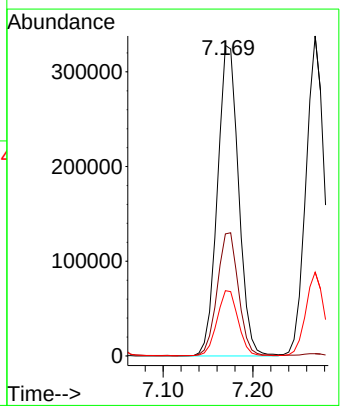


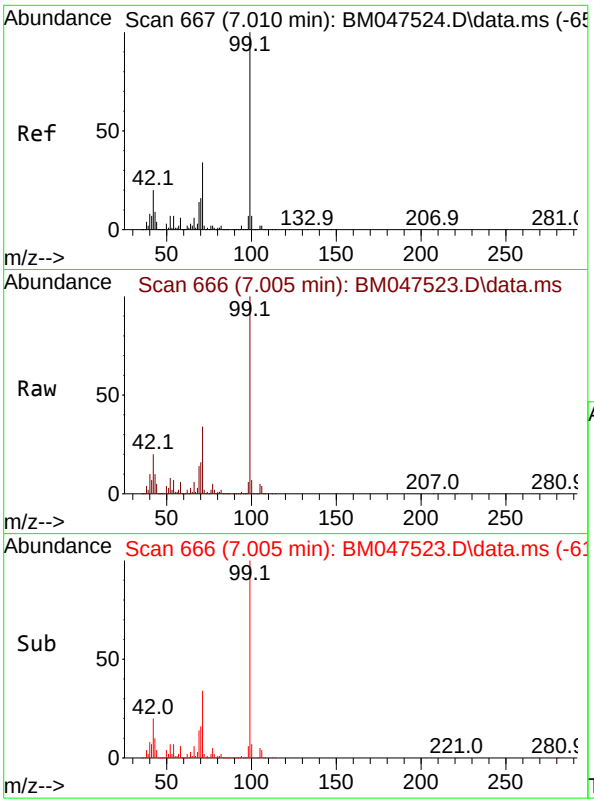


#6
Aniline
Concen: 19.956 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



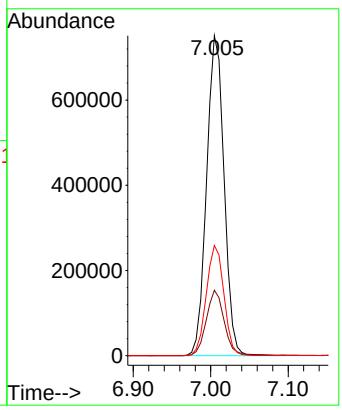


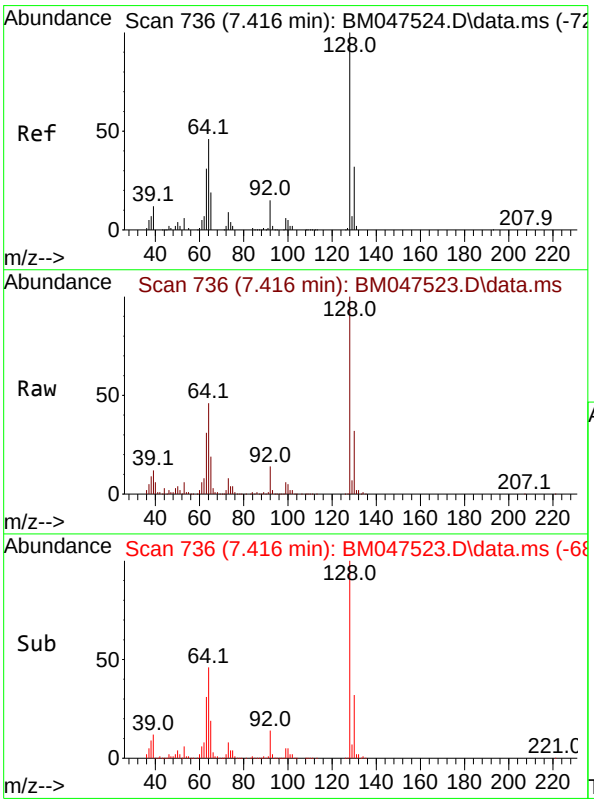
#7
Phenol-d6
Concen: 38.832 ng
RT: 7.005 min Scan# 6
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

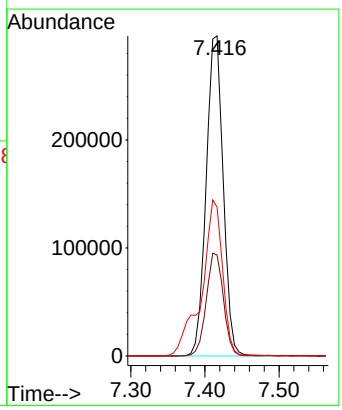


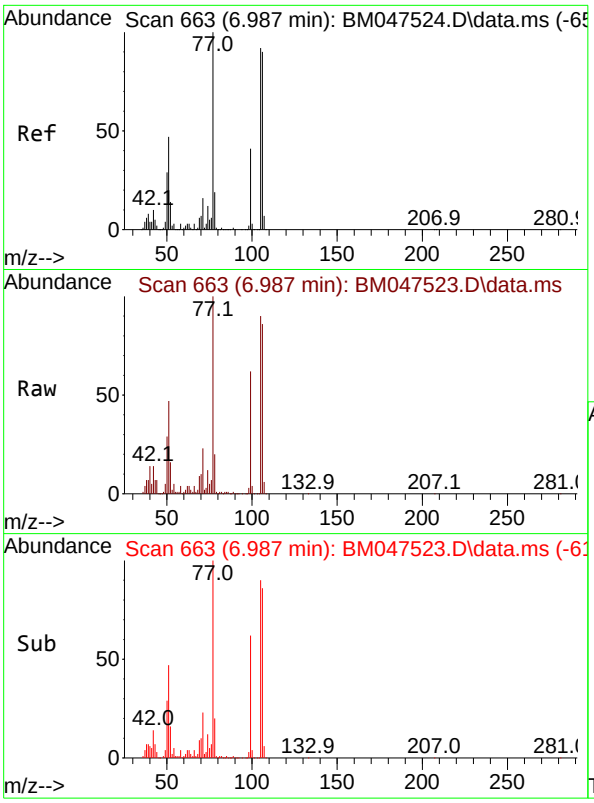


#8
2-Chlorophenol
Concen: 19.936 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



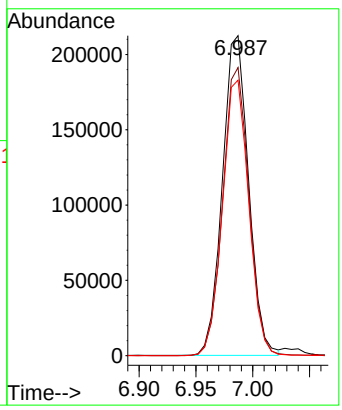


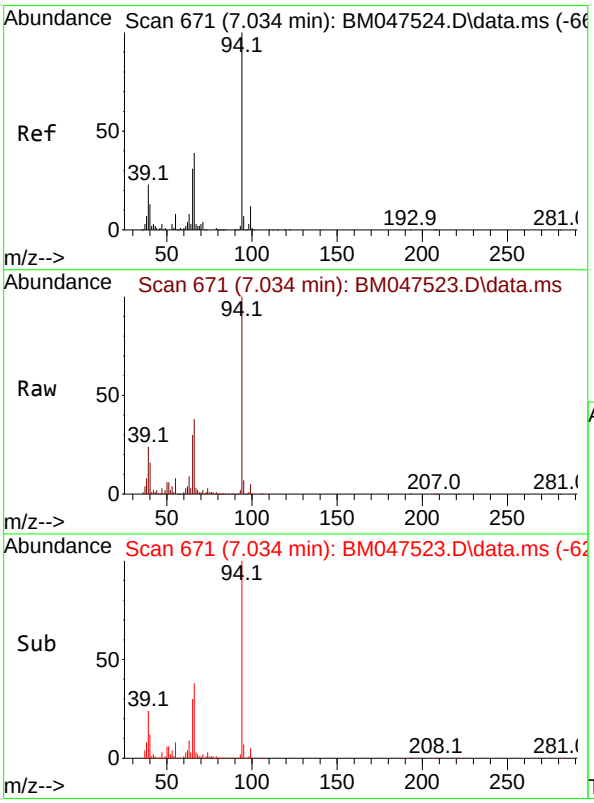
#9
Benzaldehyde
Concen: 23.600 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

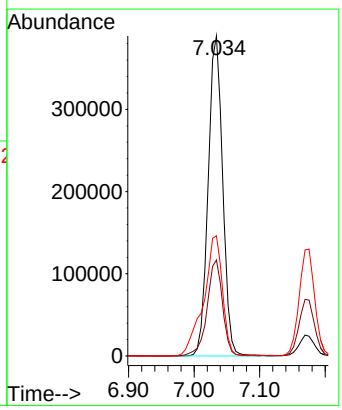


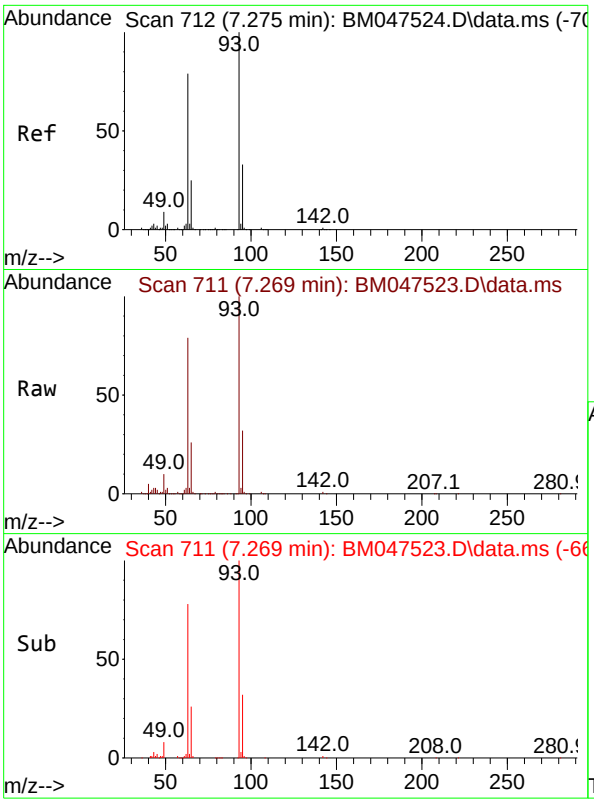


#10
Phenol
Concen: 19.727 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



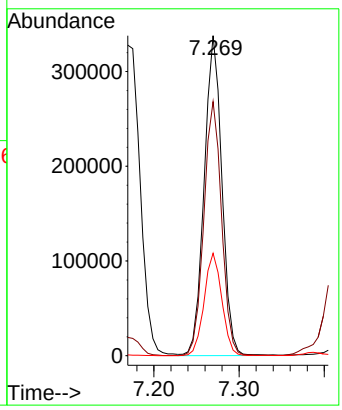


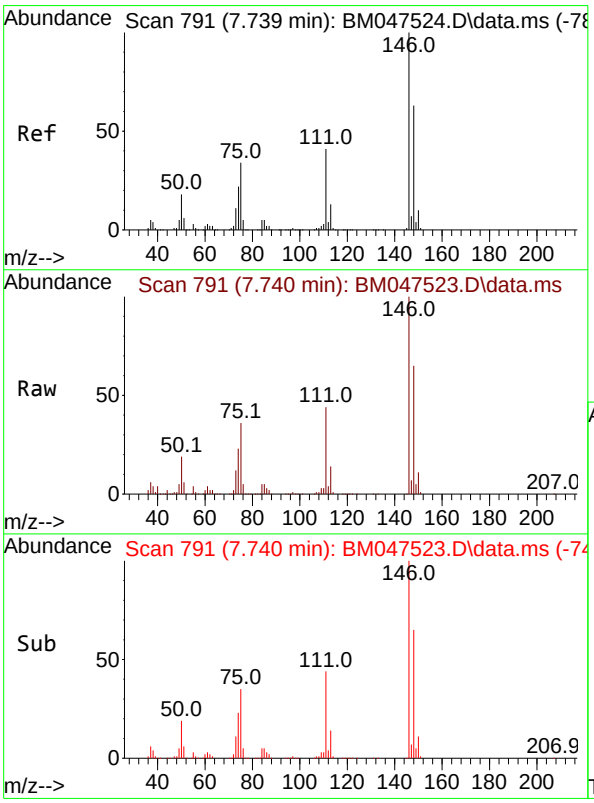
#11
bis(2-Chloroethyl)ether
Concen: 20.050 ng
RT: 7.269 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

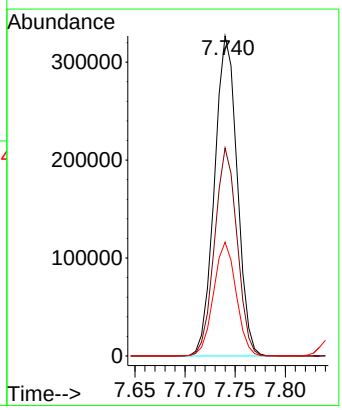


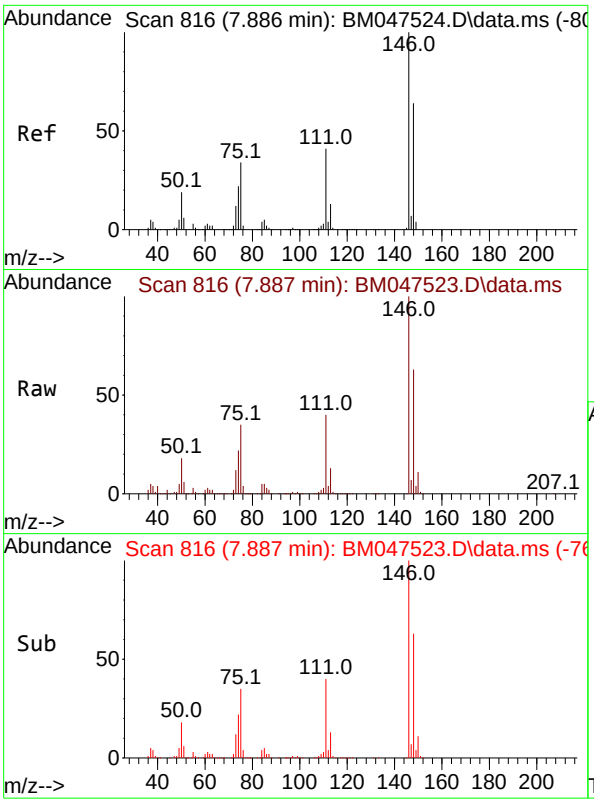


#12
1,3-Dichlorobenzene
Concen: 19.749 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



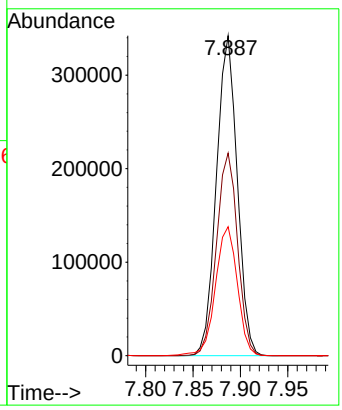


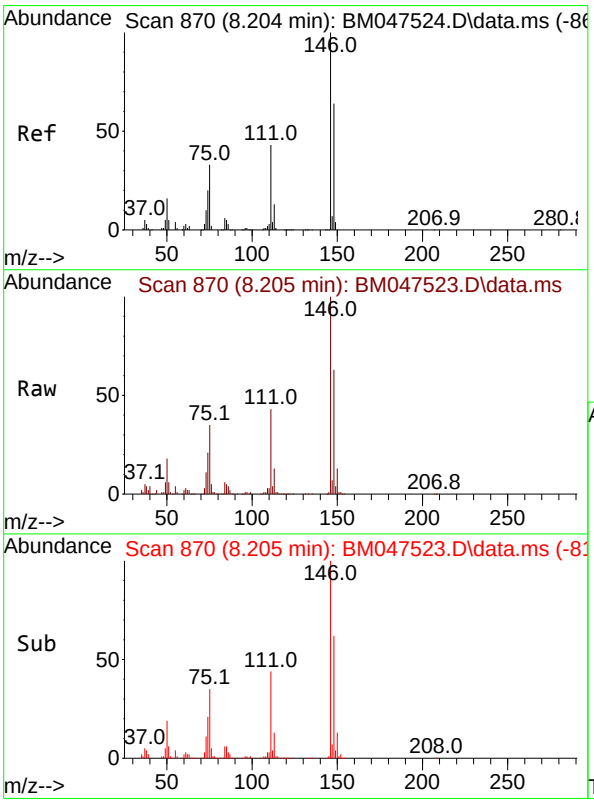
#13
1,4-Dichlorobenzene
Concen: 19.811 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

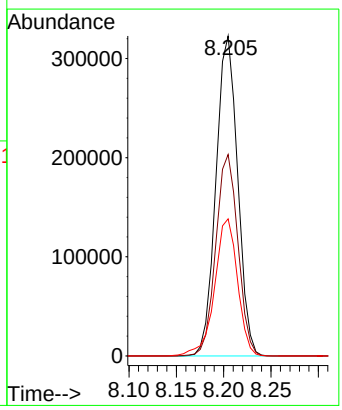


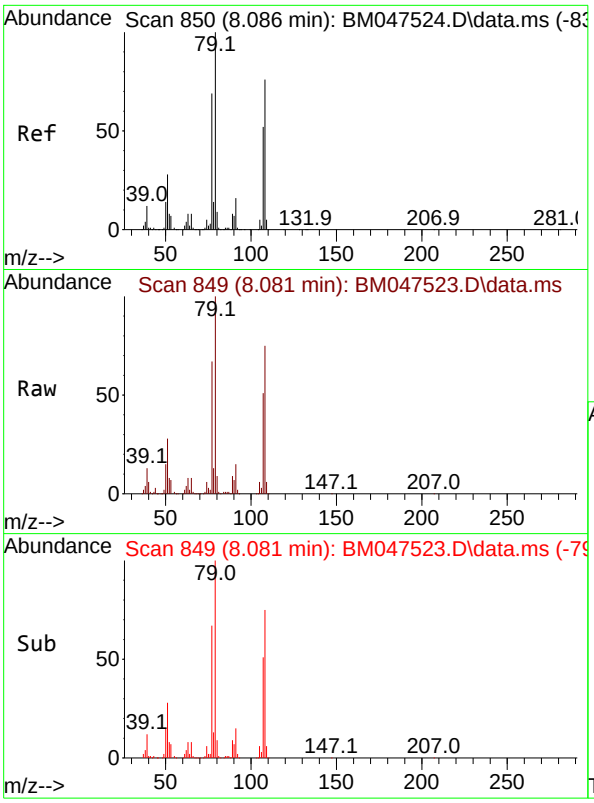


#14
1,2-Dichlorobenzene
Concen: 19.783 ng
RT: 8.205 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



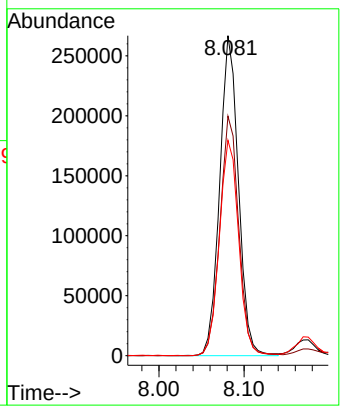


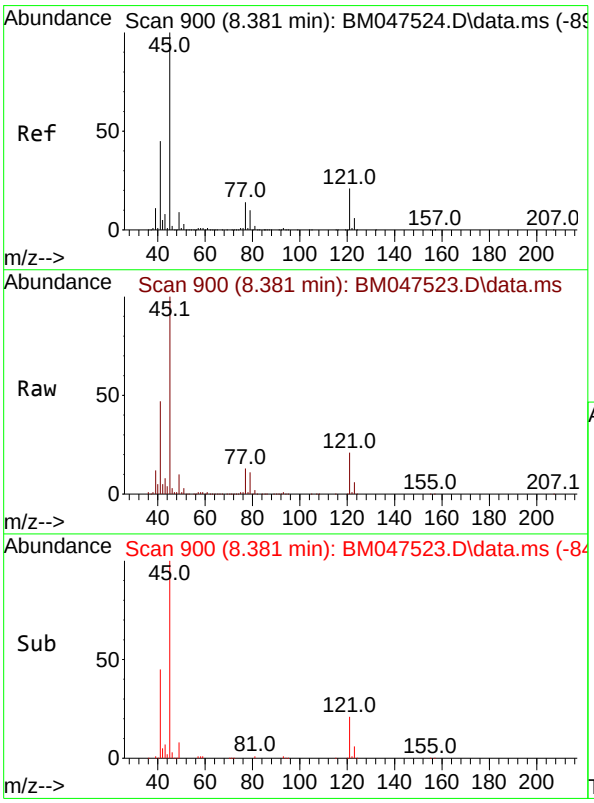
#15
Benzyl Alcohol
Concen: 19.875 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

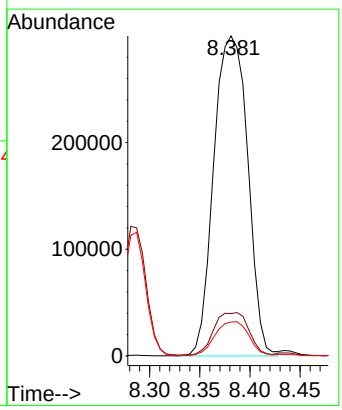


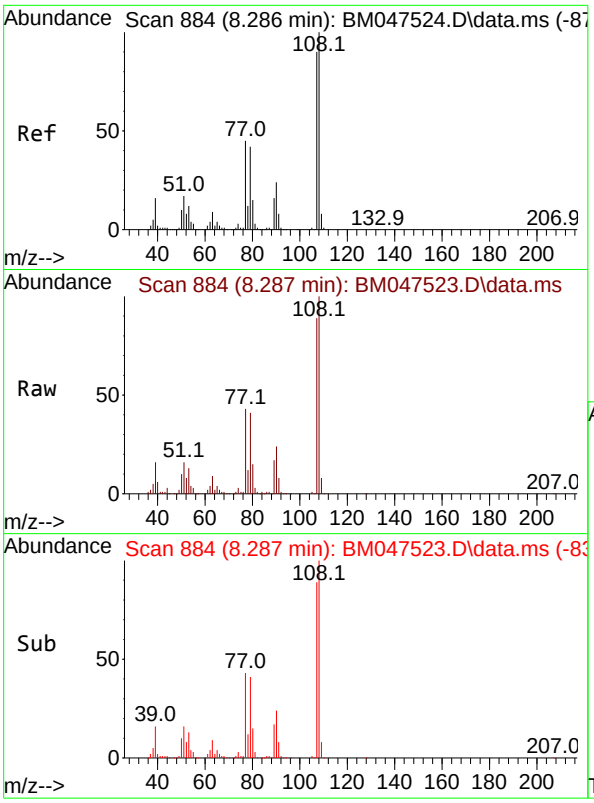


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.643 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



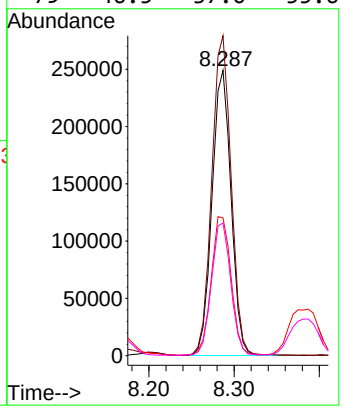


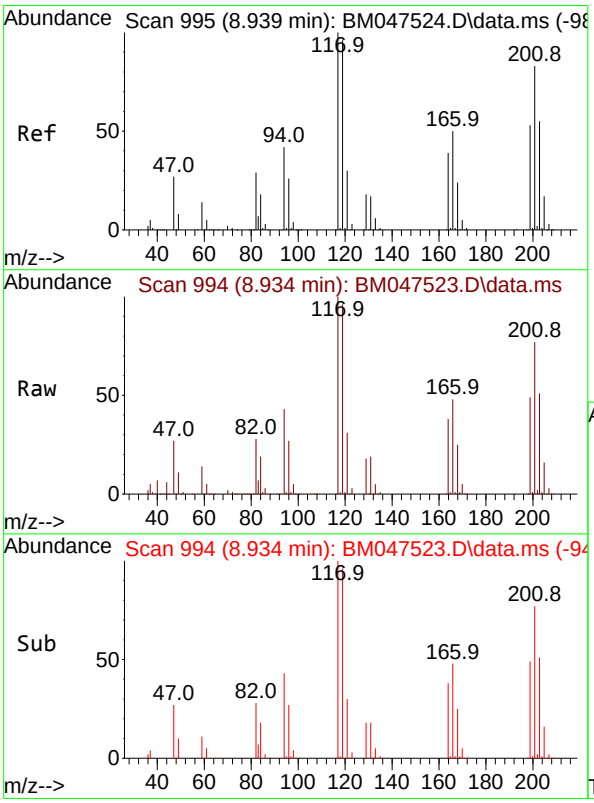
#17
2-Methylphenol
Concen: 19.944 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

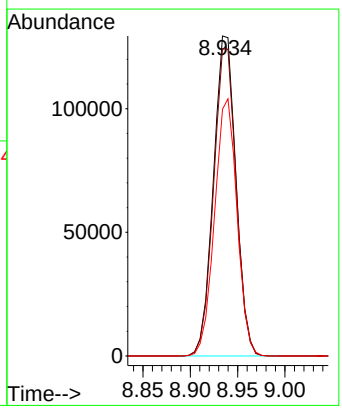


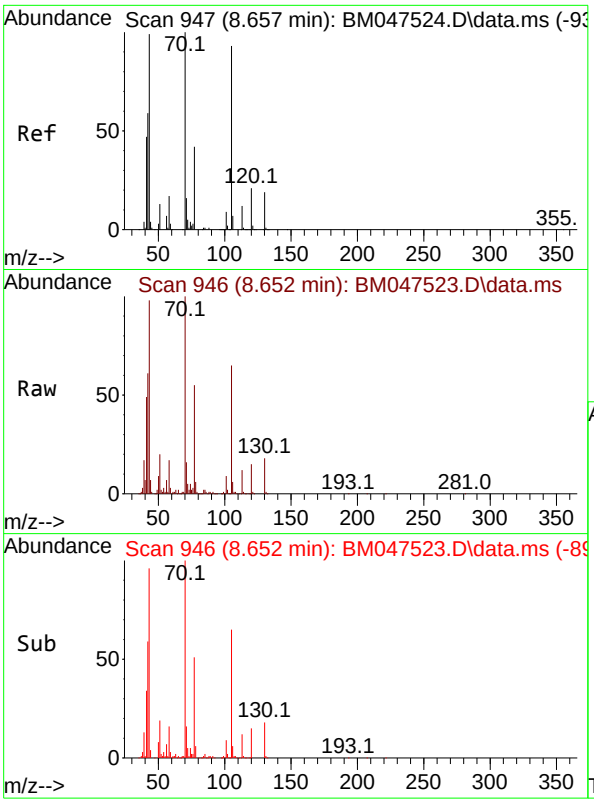


#18
Hexachloroethane
Concen: 20.329 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



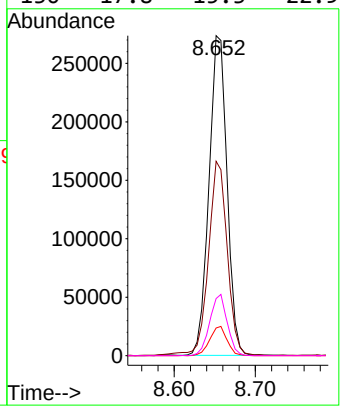


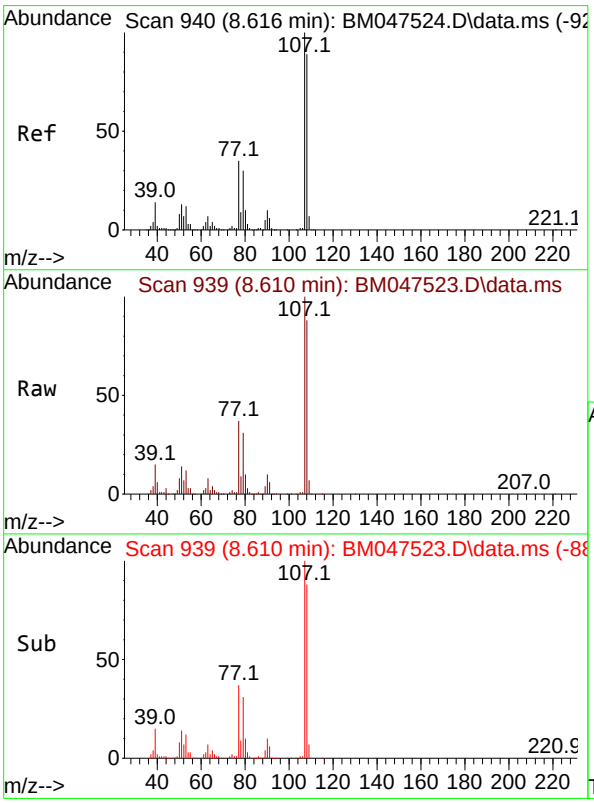
#19
n-Nitroso-di-n-propylamine
Concen: 20.628 ng
RT: 8.652 min Scan# 94
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

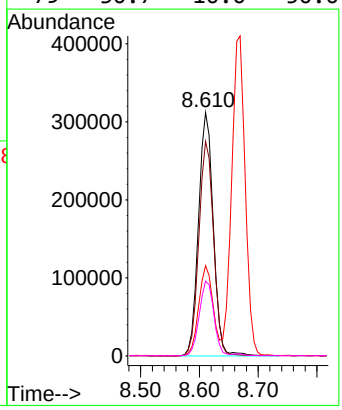


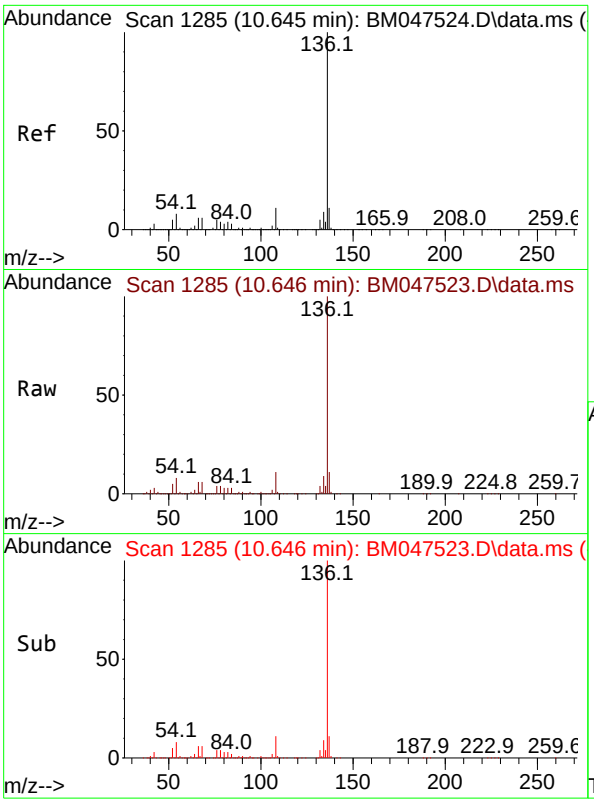


#20
3+4-Methylphenols
Concen: 20.158 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



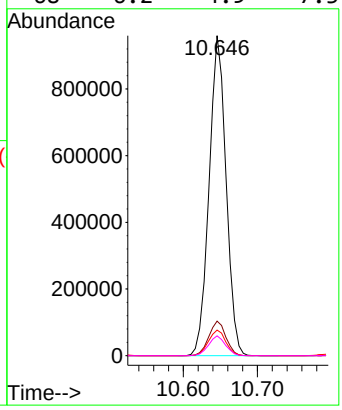


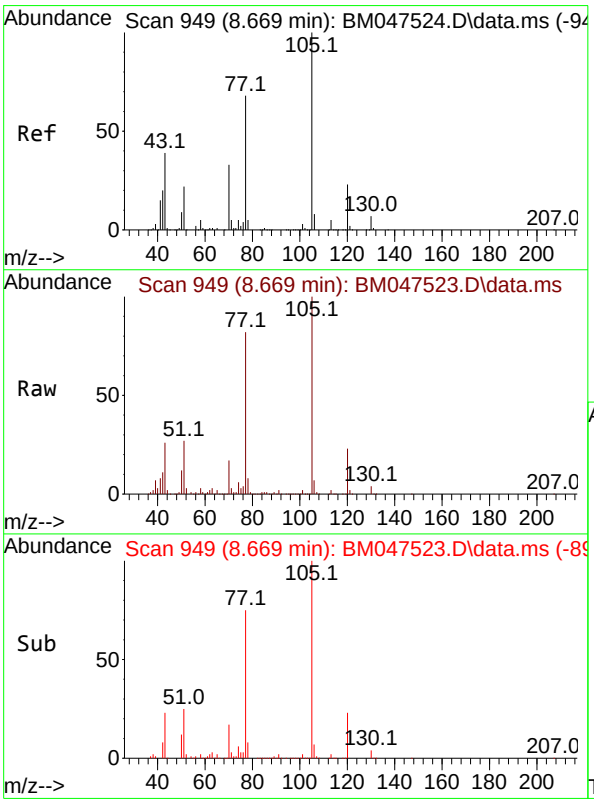
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

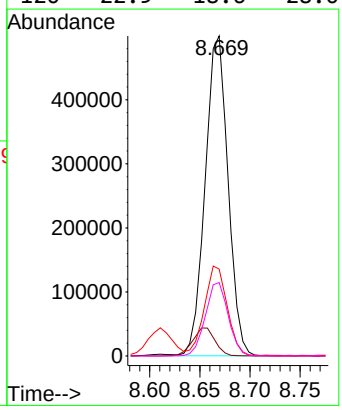


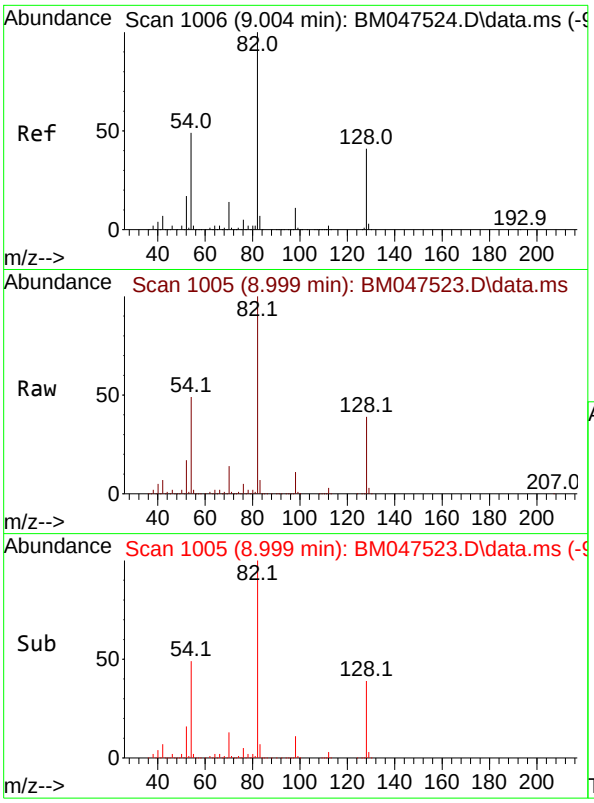


#22
Acetophenone
Concen: 19.746 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



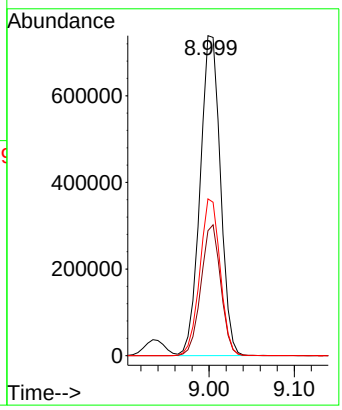


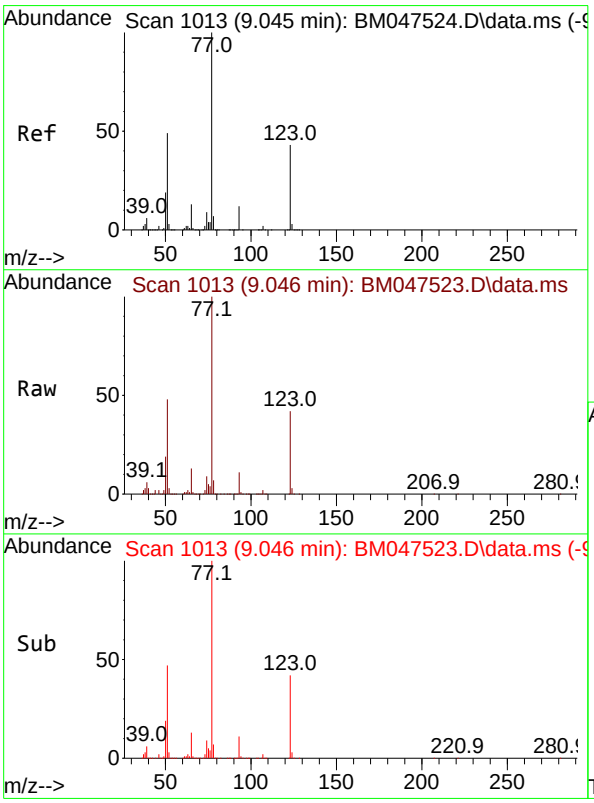
#23
Nitrobenzene-d5
Concen: 40.084 ng
RT: 8.999 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

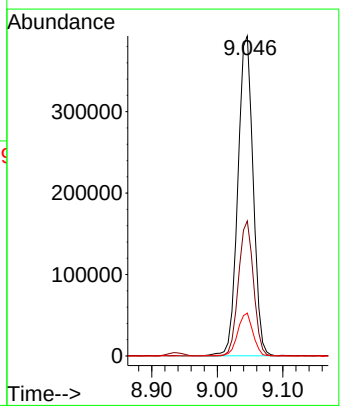


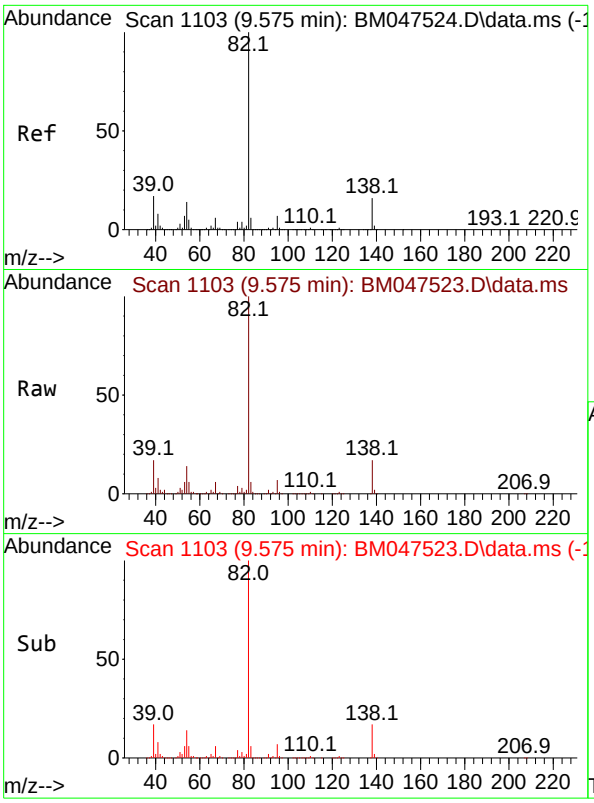


#24
Nitrobenzene
Concen: 20.312 ng
RT: 9.046 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



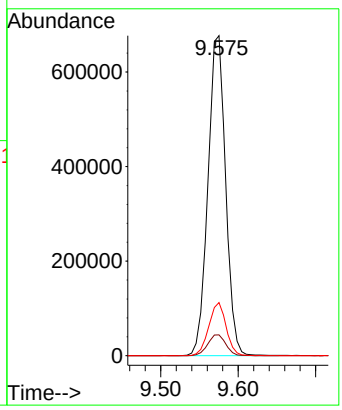


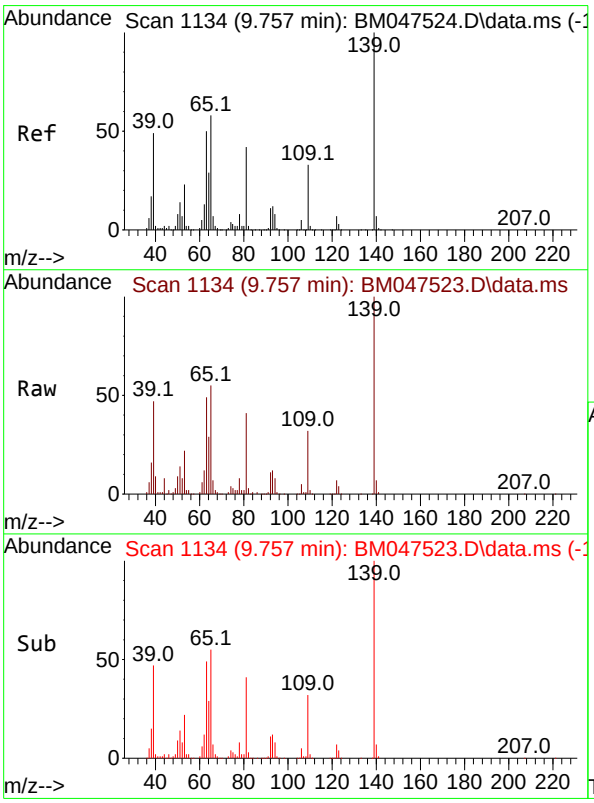
#25
Isophorone
Concen: 20.077 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

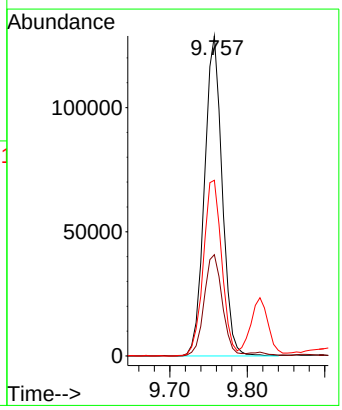


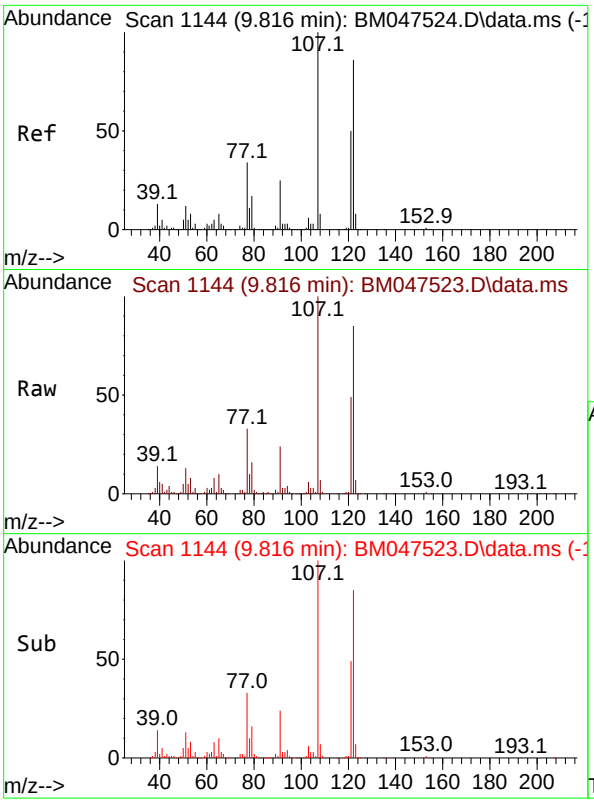


#26
2-Nitrophenol
Concen: 19.084 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



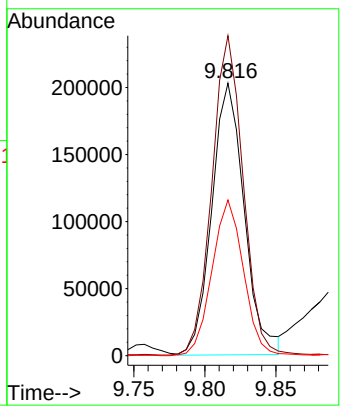


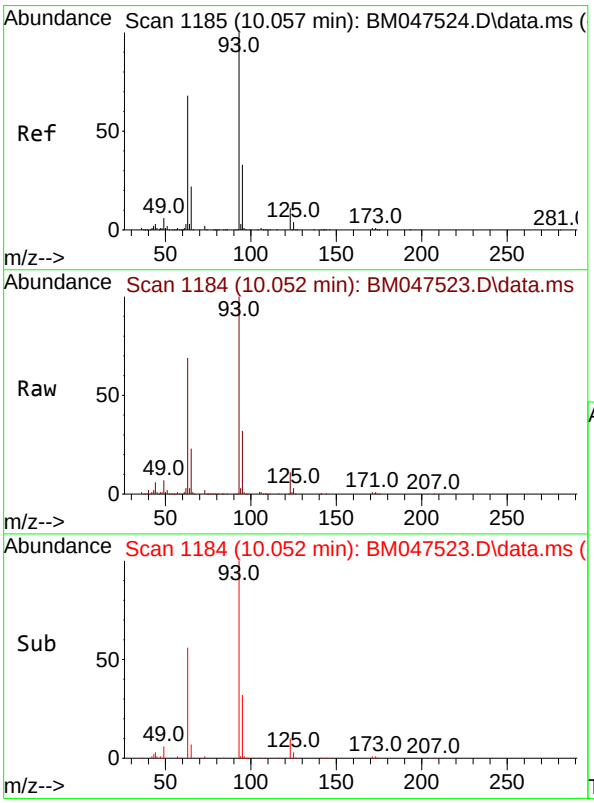
#27
2,4-Dimethylphenol
Concen: 19.915 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

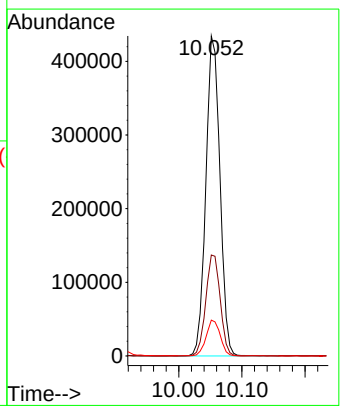


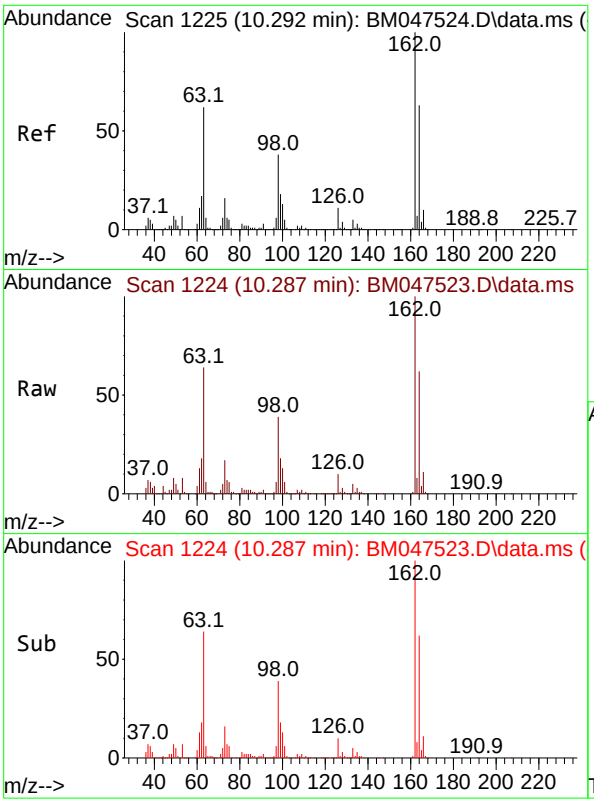


#28
bis(2-Chloroethoxy)methane
Concen: 20.008 ng
RT: 10.052 min Scan# 1184
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



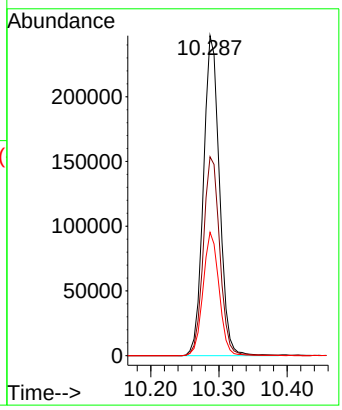


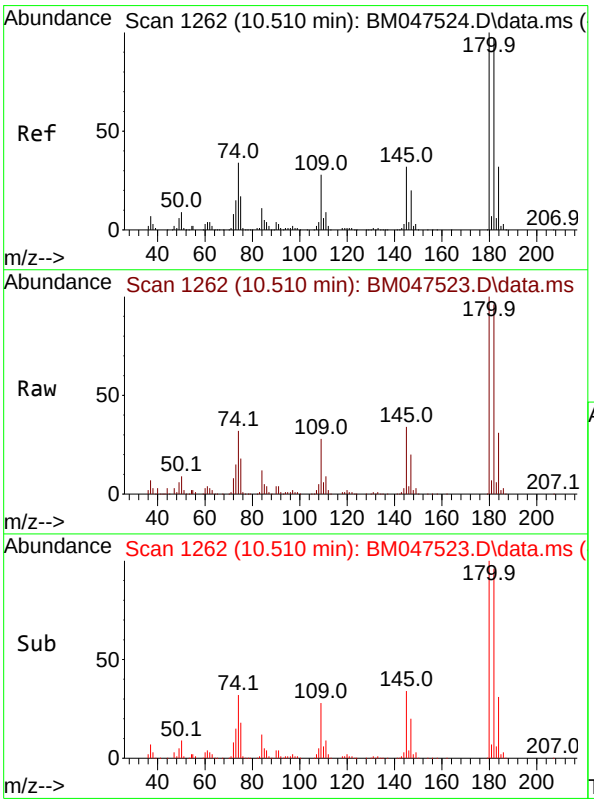
#29
2,4-Dichlorophenol
Concen: 19.708 ng
RT: 10.287 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

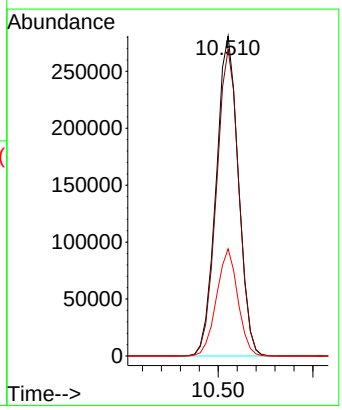


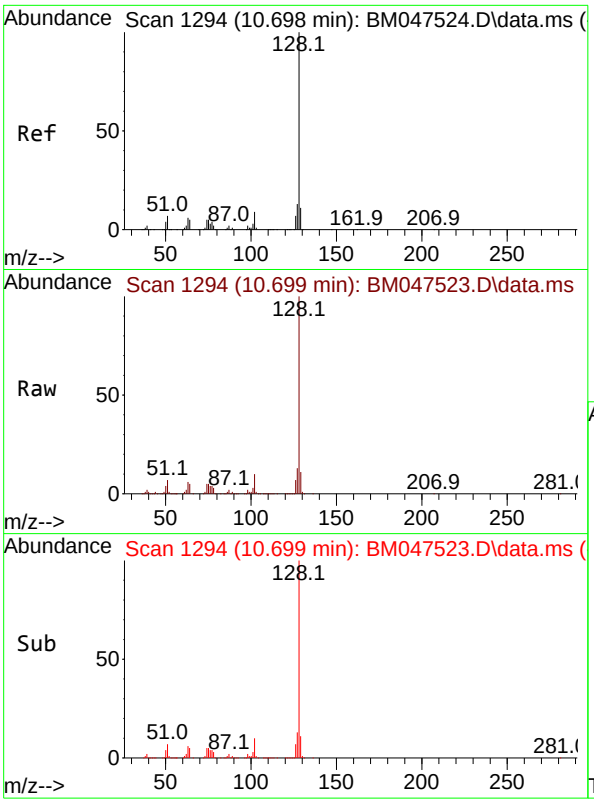


#30
1,2,4-Trichlorobenzene
Concen: 19.461 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



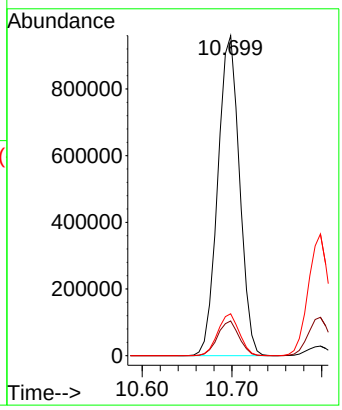


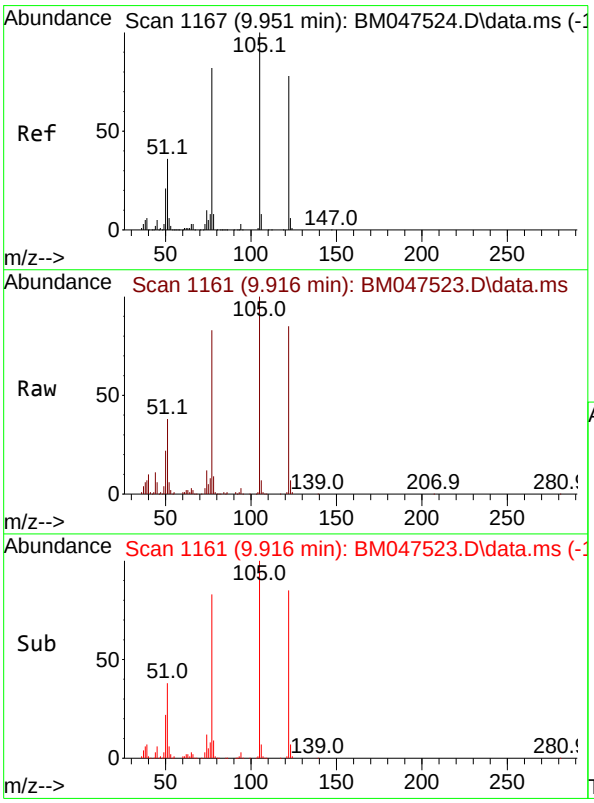
#31
Naphthalene
Concen: 19.555 ng
RT: 10.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

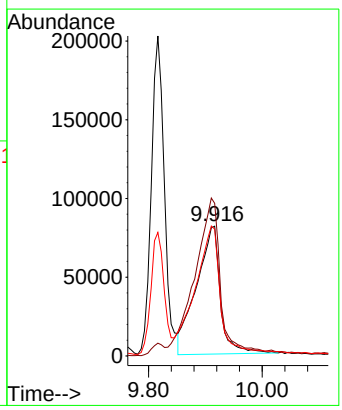


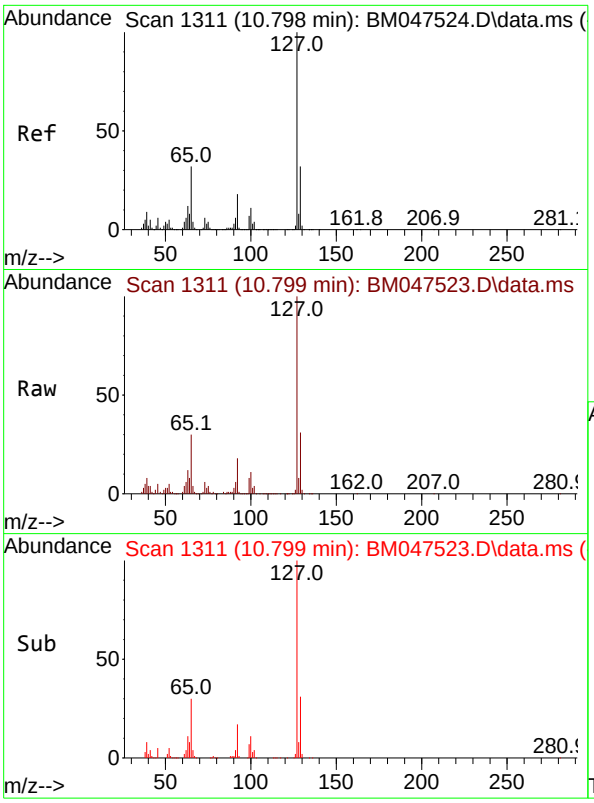


#32
Benzoic acid
Concen: 19.433 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.035 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



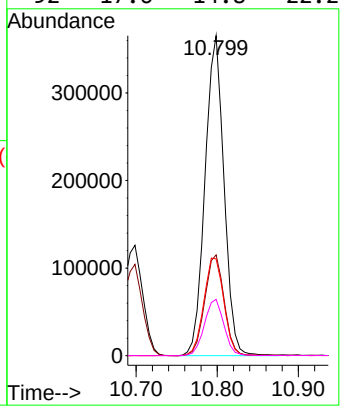


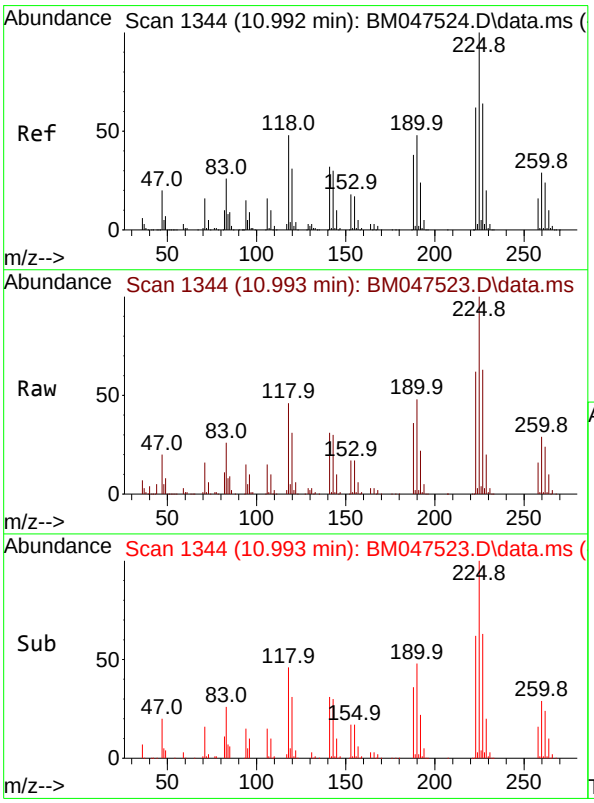
#33
4-Chloroaniline
Concen: 19.915 ng
RT: 10.799 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

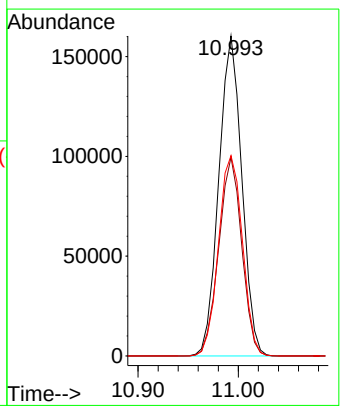


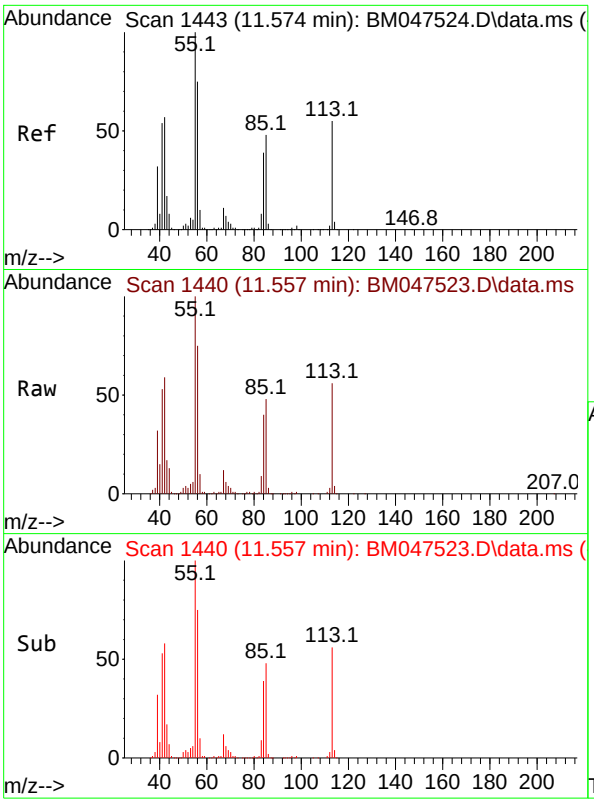


#34
Hexachlorobutadiene
Concen: 19.528 ng
RT: 10.993 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



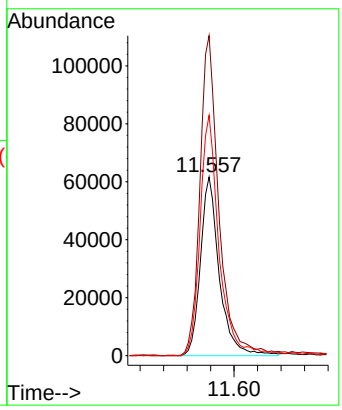


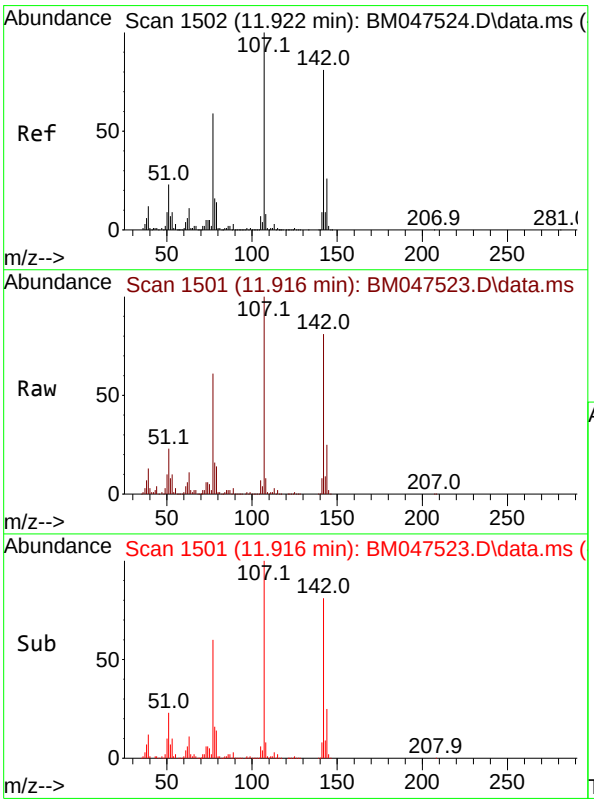
#35
Caprolactam
Concen: 20.236 ng
RT: 11.557 min Scan# 14
Delta R.T. -0.017 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

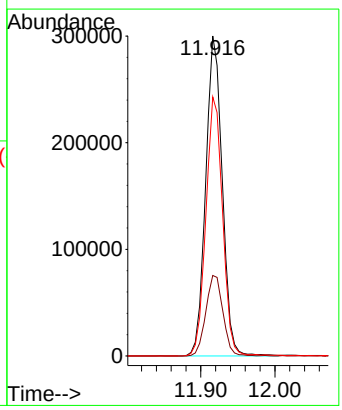


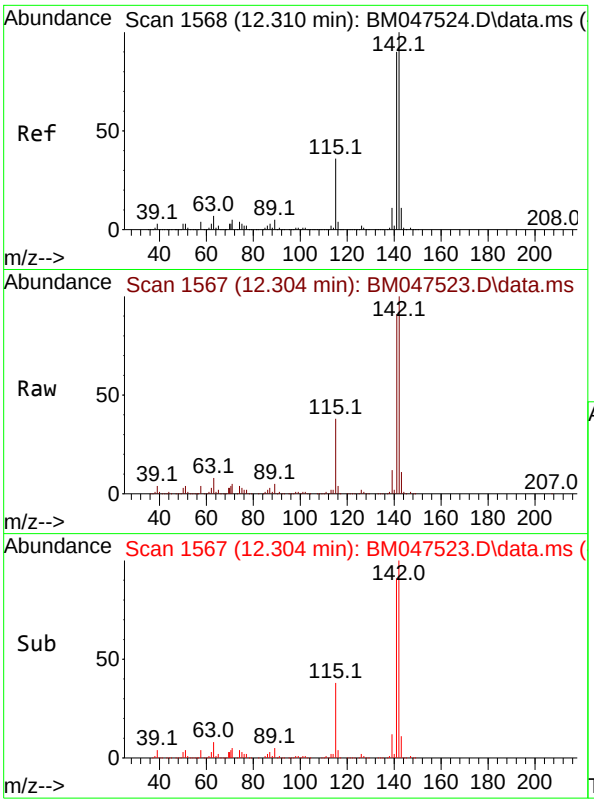


#36
4-Chloro-3-methylphenol
Concen: 19.761 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



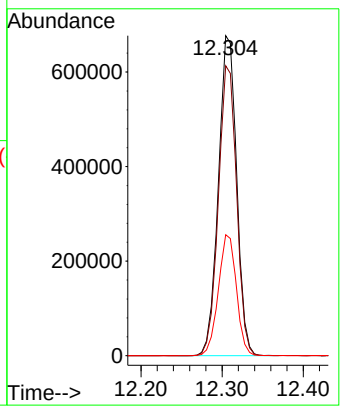


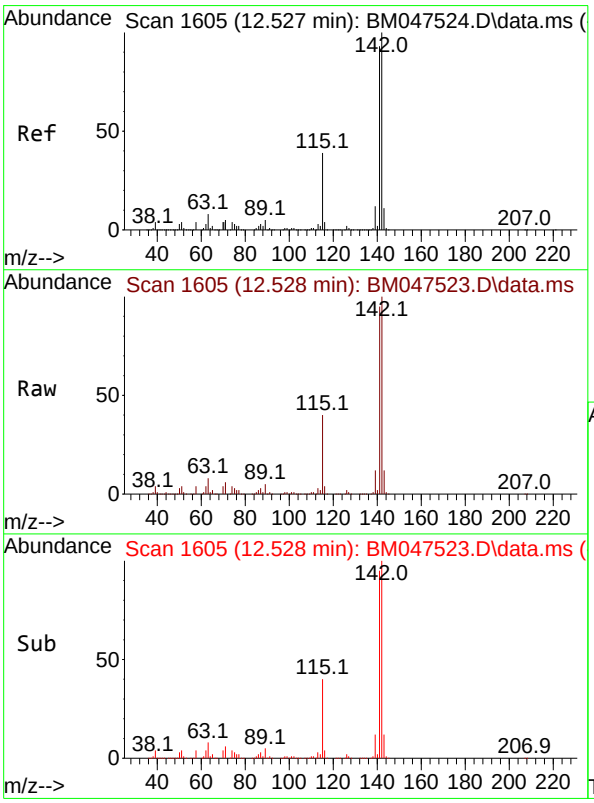
#37
2-Methylnaphthalene
Concen: 19.285 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

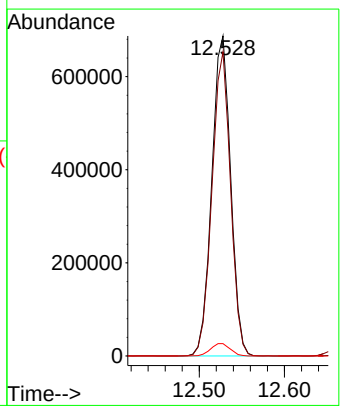


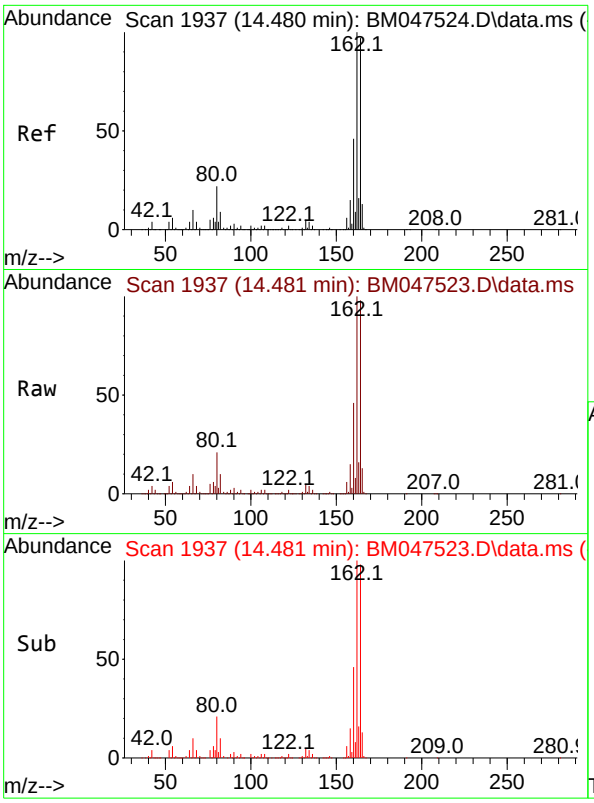


#38
1-Methylnaphthalene
Concen: 19.431 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



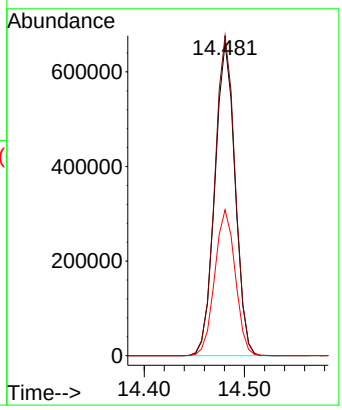


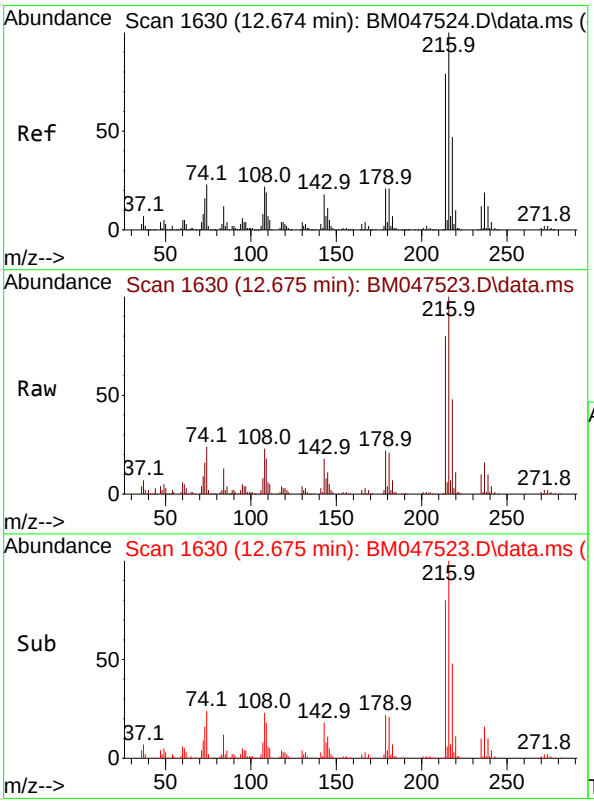
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

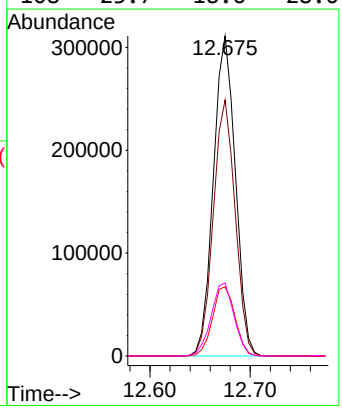


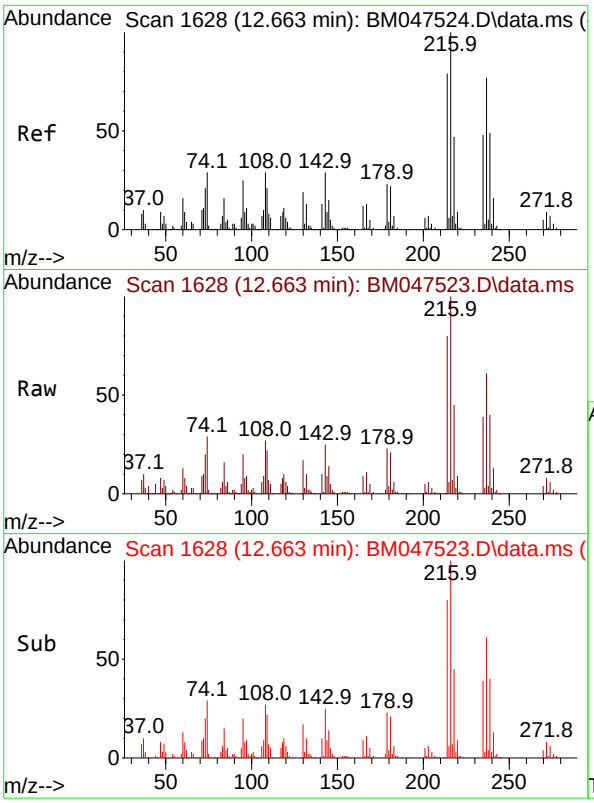


#40
1,2,4,5-Tetrachlorobenzene
Concen: 18.989 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



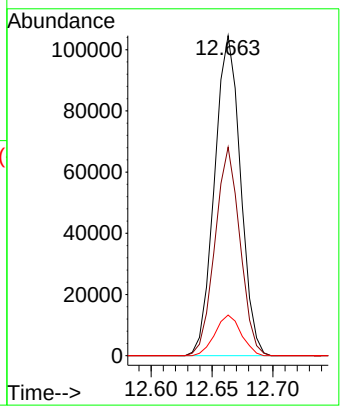


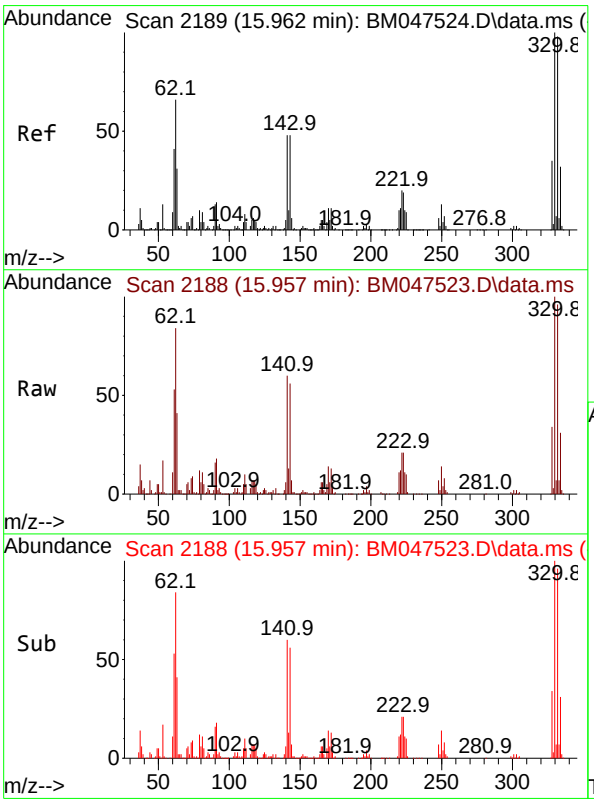
#41
Hexachlorocyclopentadiene
Concen: 19.005 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

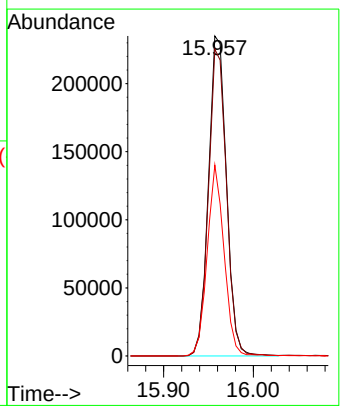


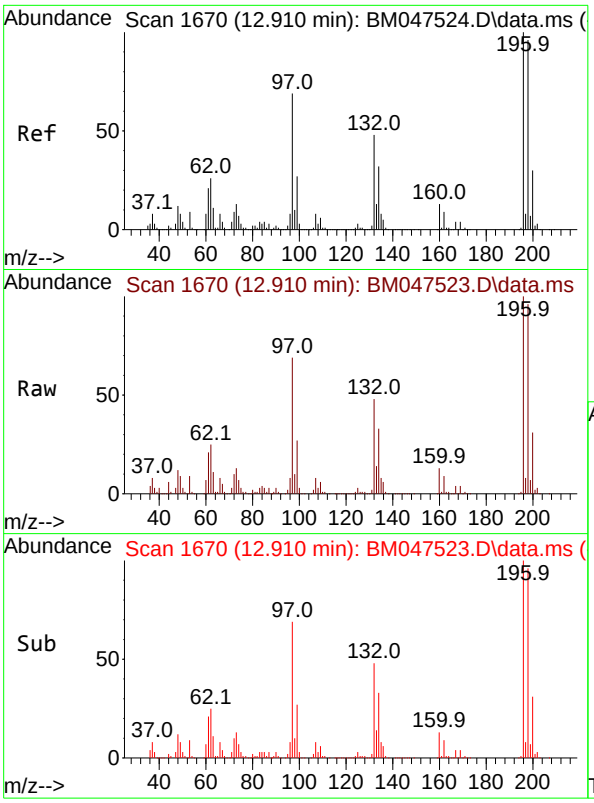


#42
2,4,6-Tribromophenol
Concen: 36.672 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



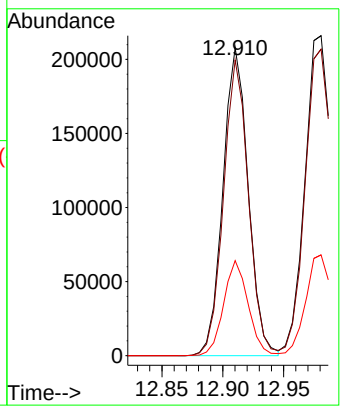


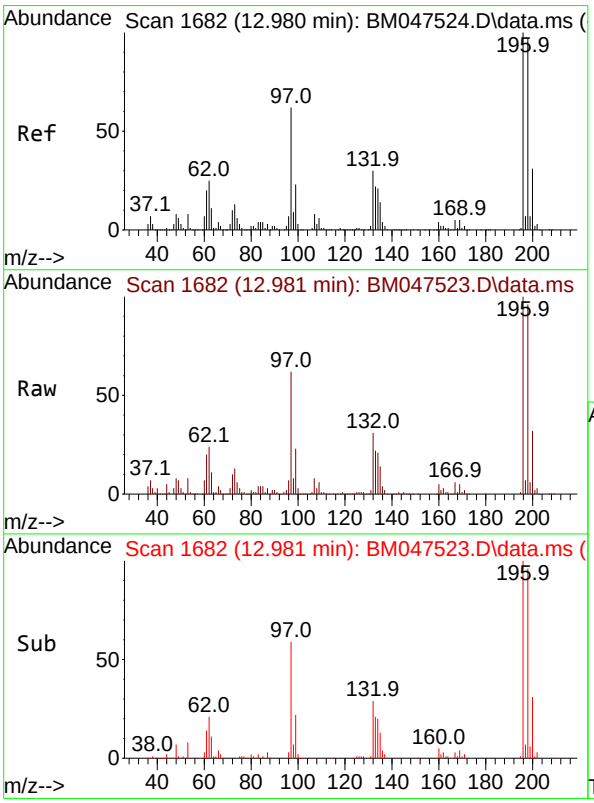
#43
2,4,6-Trichlorophenol
Concen: 19.191 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

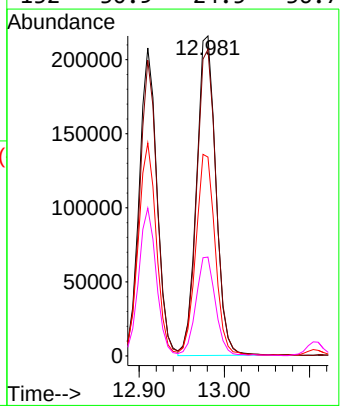


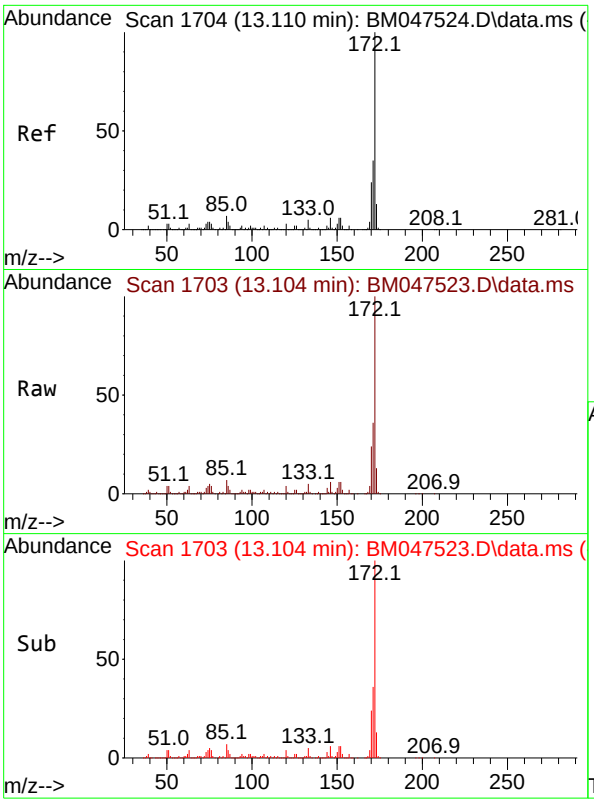


#44
2,4,5-Trichlorophenol
Concen: 19.144 ng
RT: 12.981 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



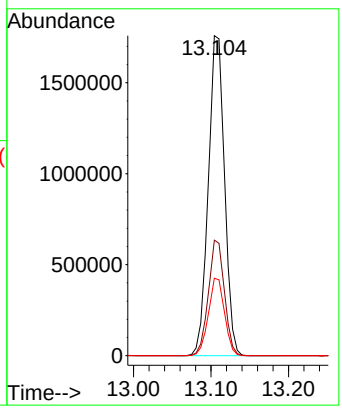


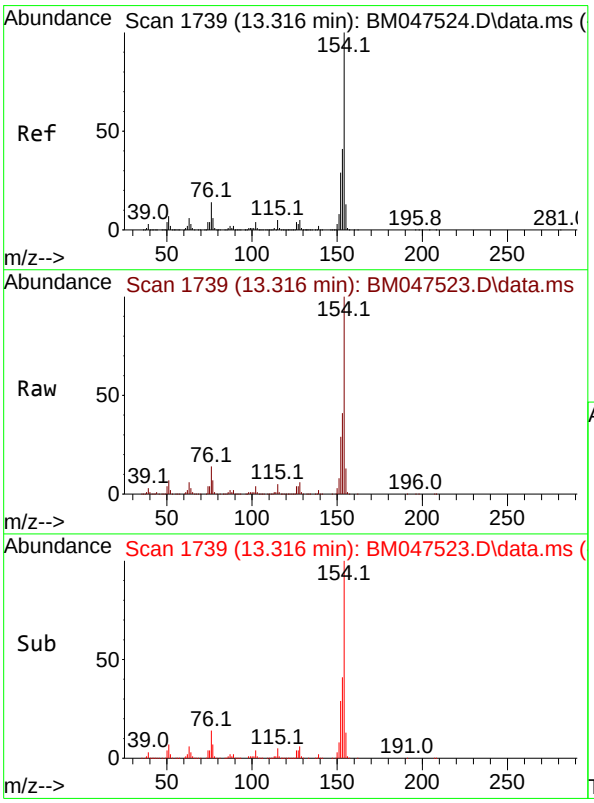
#45
2-Fluorobiphenyl
Concen: 38.163 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

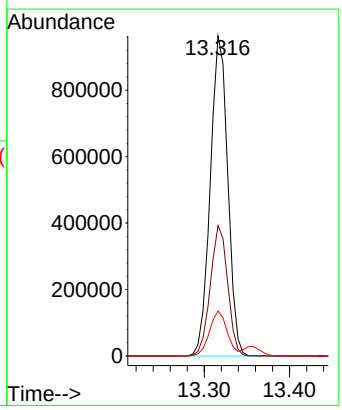


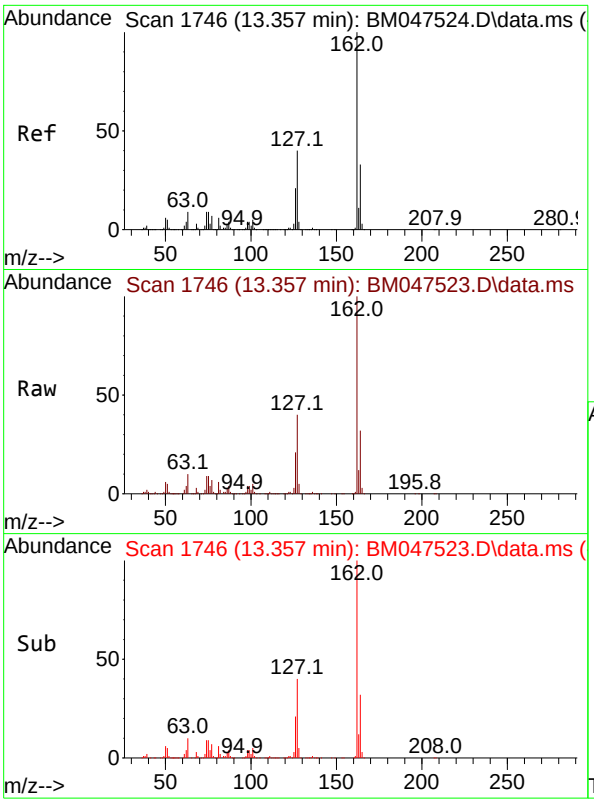


#46
1,1'-Biphenyl
Concen: 19.152 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



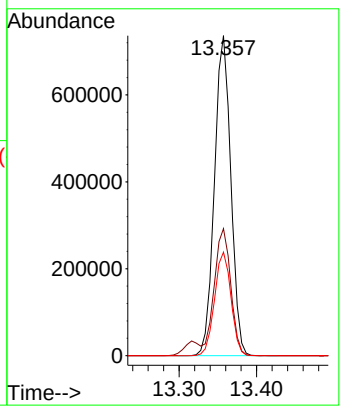


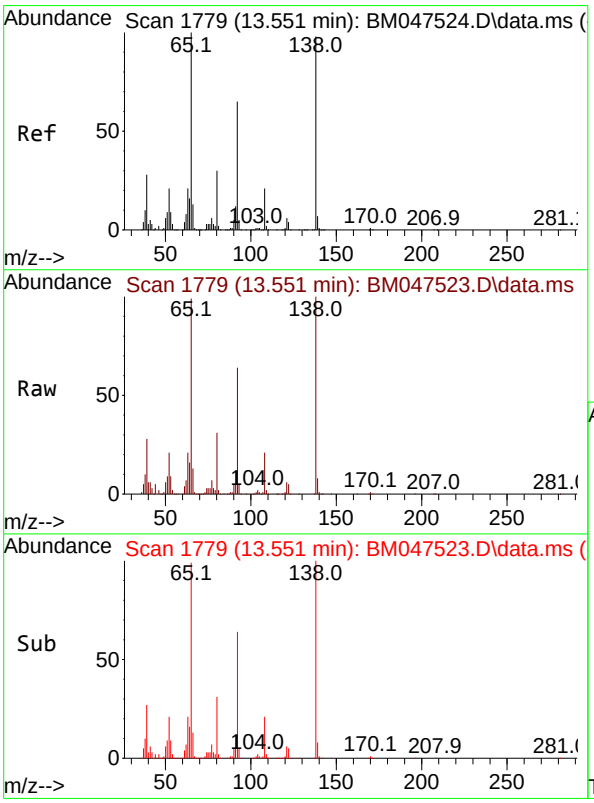
#47
2-Chloronaphthalene
Concen: 19.344 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

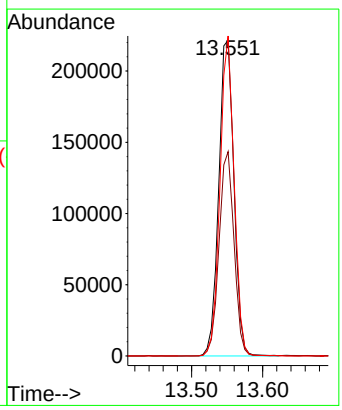


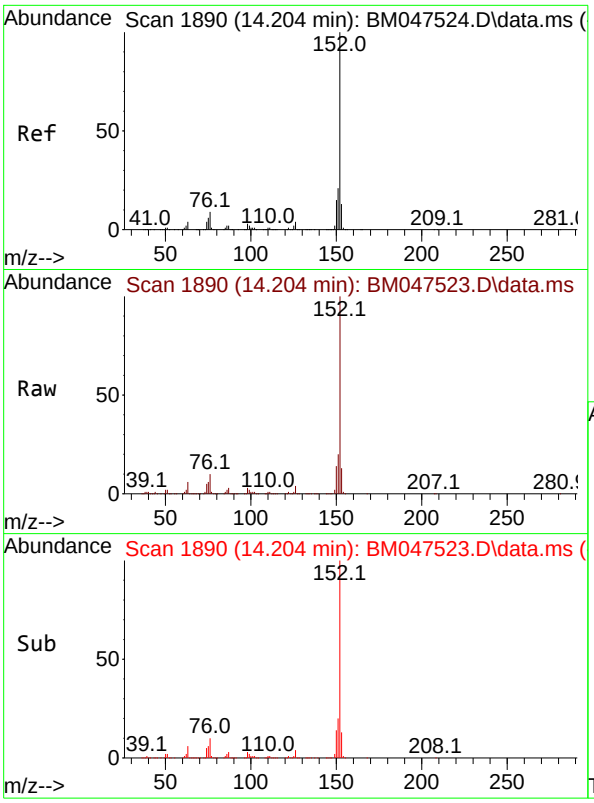


#48
2-Nitroaniline
Concen: 19.988 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



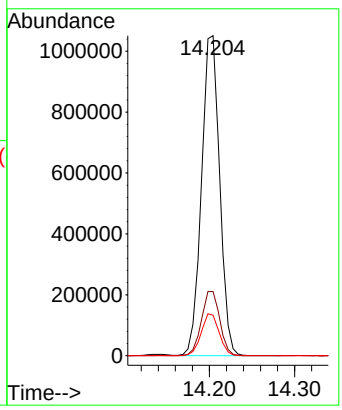


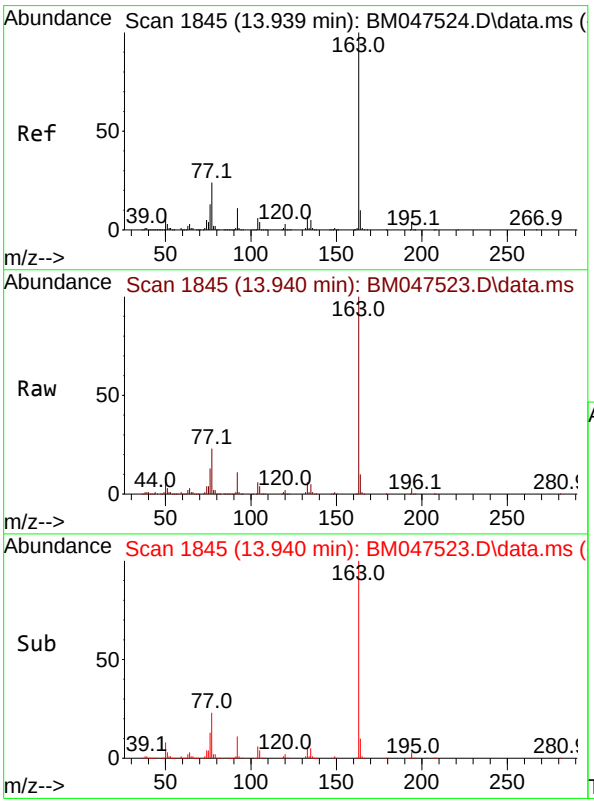
#49
Acenaphthylene
Concen: 19.293 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

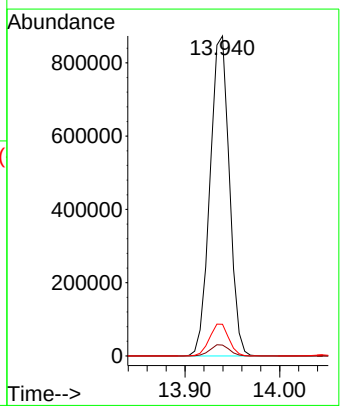


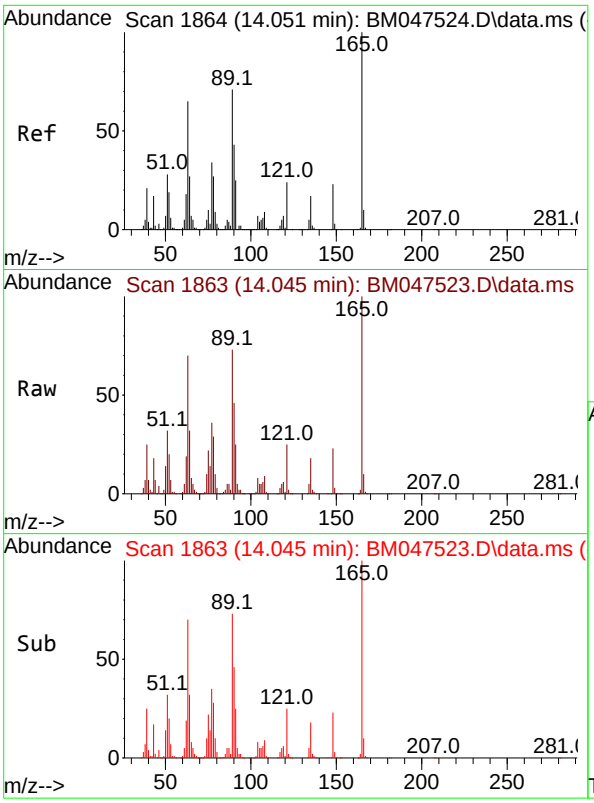


#50
Dimethylphthalate
Concen: 19.601 ng
RT: 13.940 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



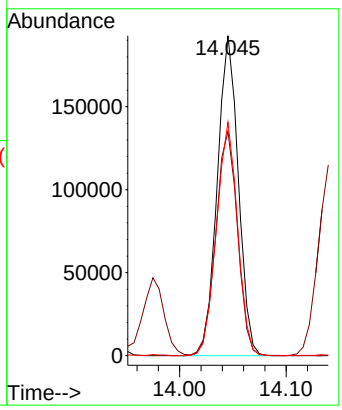


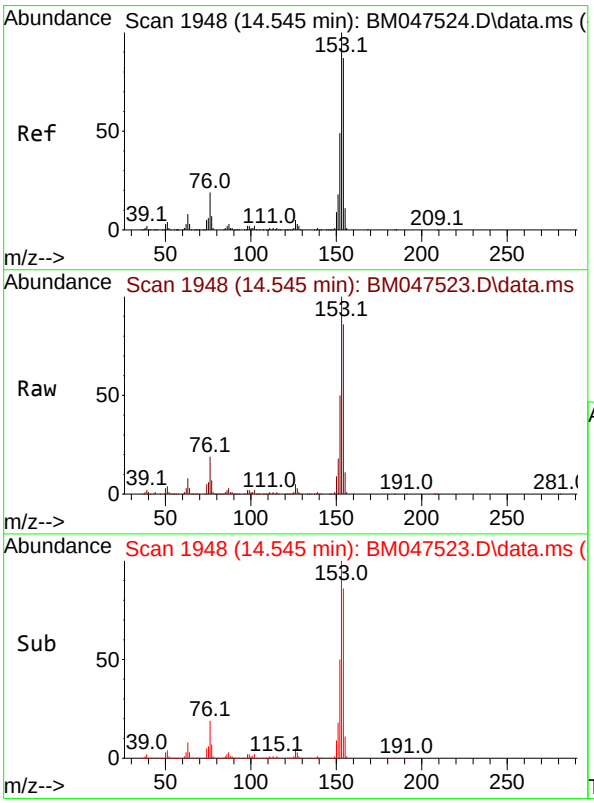
#51
2,6-Dinitrotoluene
Concen: 19.825 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

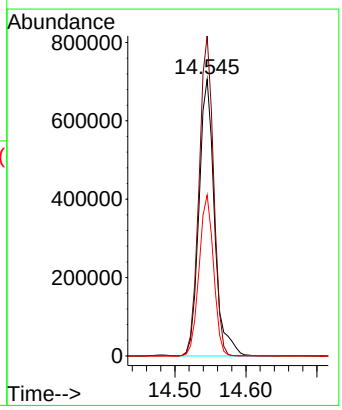


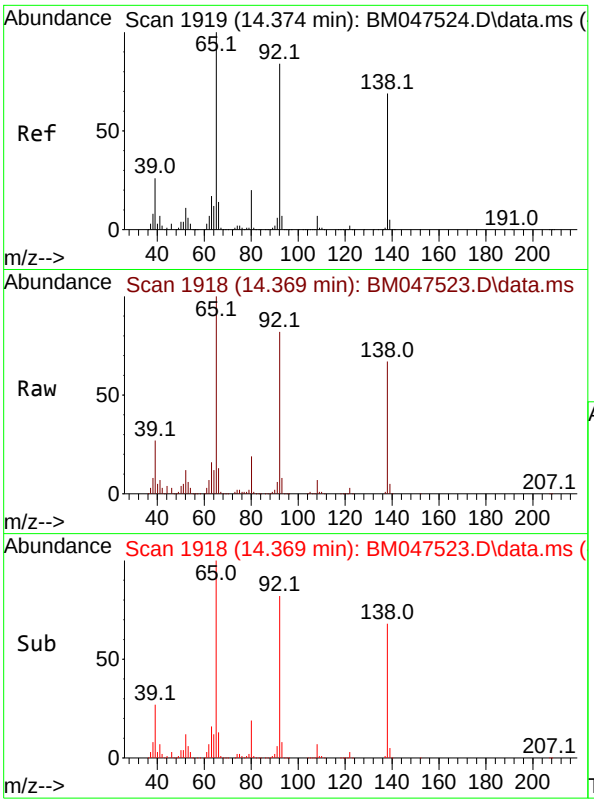


#52
Acenaphthene
Concen: 19.031 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



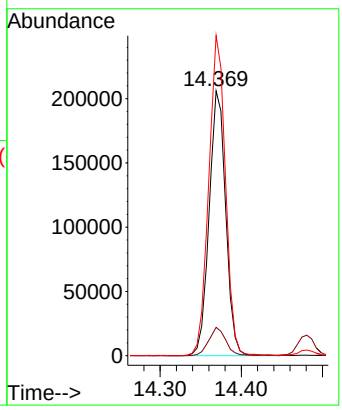


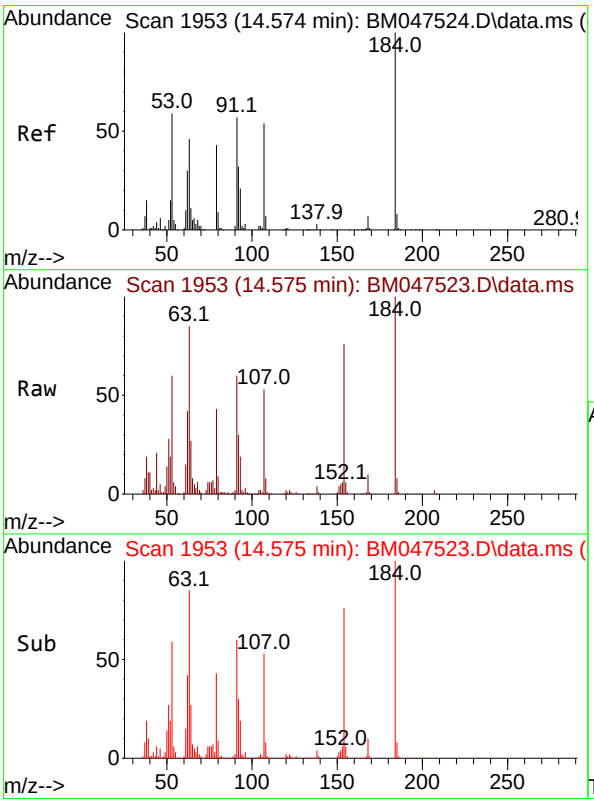
#53
3-Nitroaniline
Concen: 19.730 ng
RT: 14.369 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

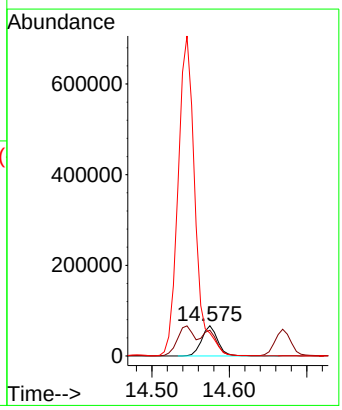


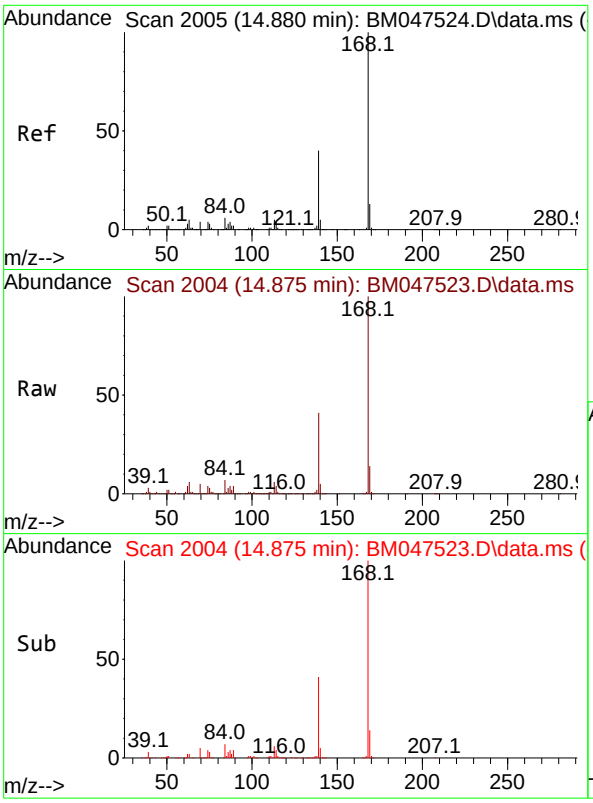


#54
2,4-Dinitrophenol
Concen: 20.092 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



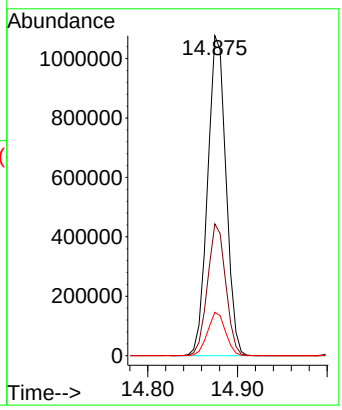


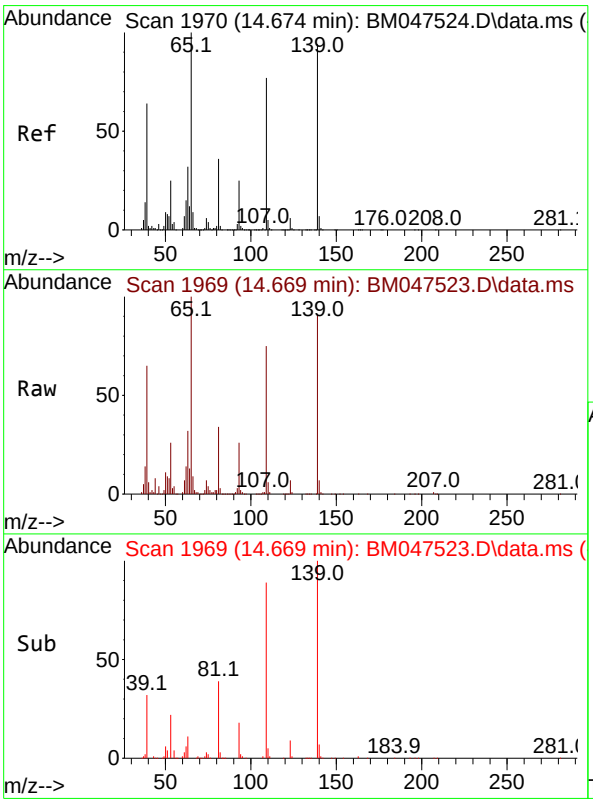
#55
Dibenzofuran
Concen: 19.279 ng
RT: 14.875 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

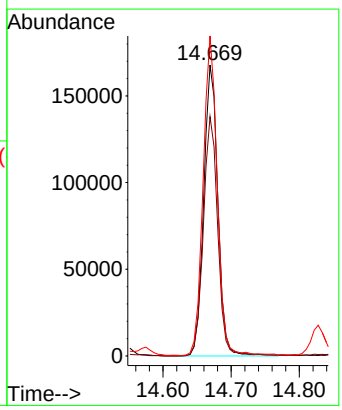


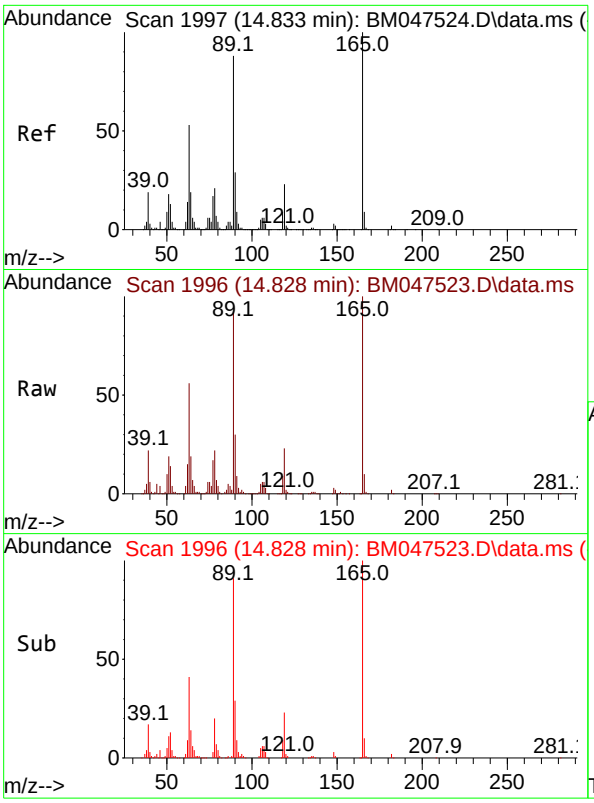


#56
4-Nitrophenol
Concen: 19.979 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



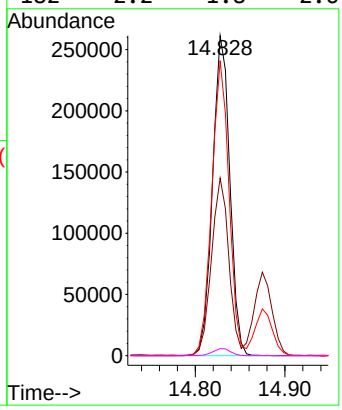


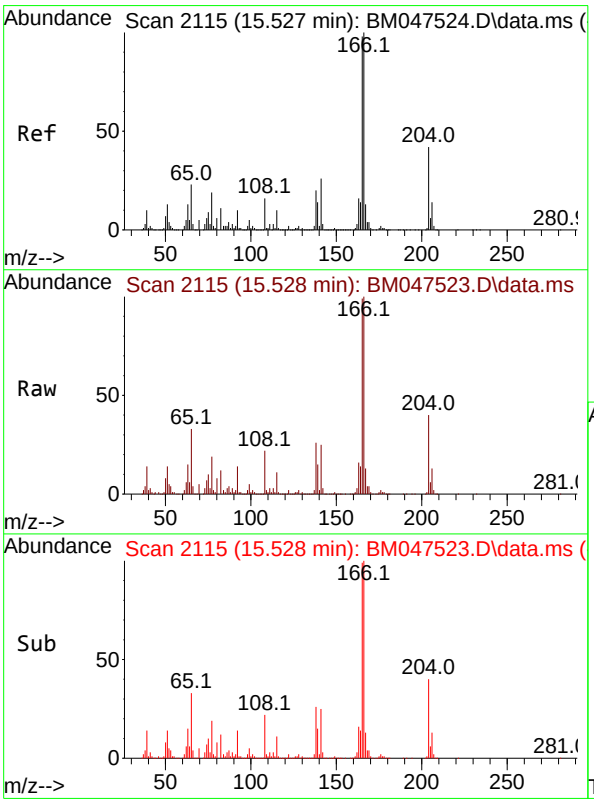
#57
2,4-Dinitrotoluene
Concen: 19.678 ng
RT: 14.828 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

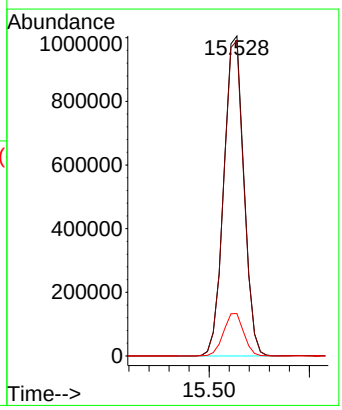


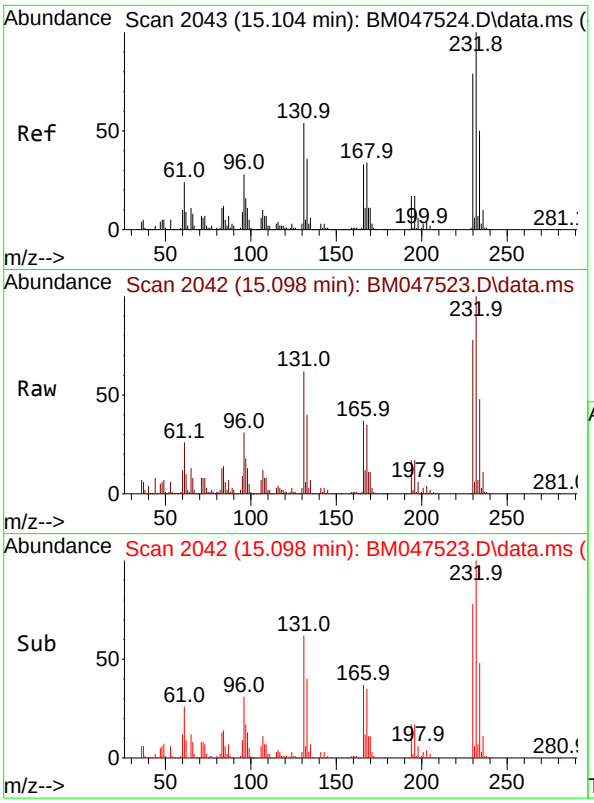


#58
Fluorene
Concen: 19.490 ng
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



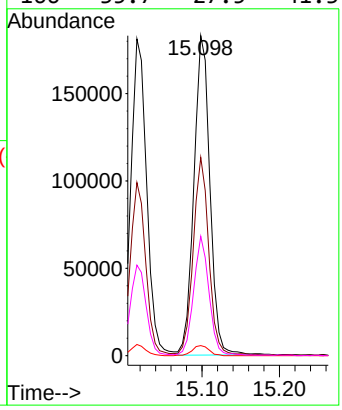


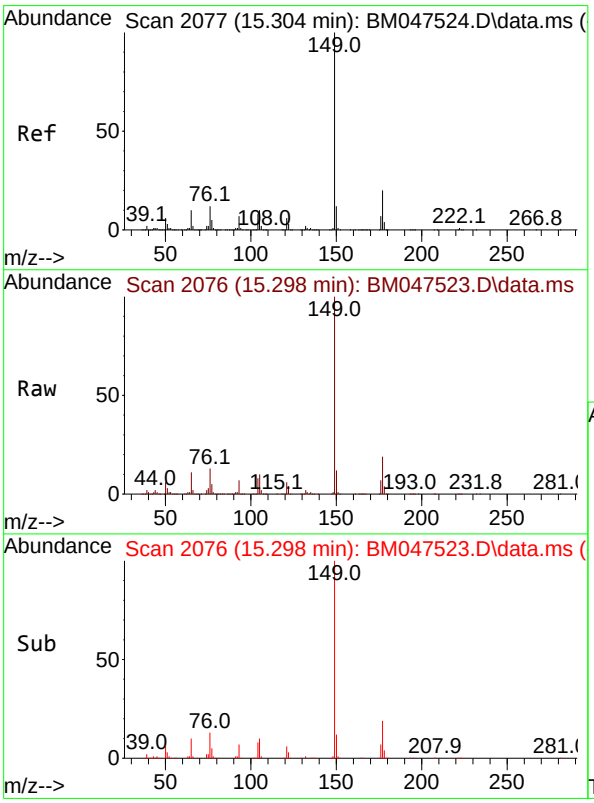
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.048 ng
RT: 15.098 min Scan# 2(
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

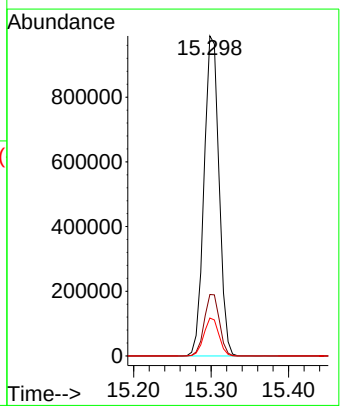


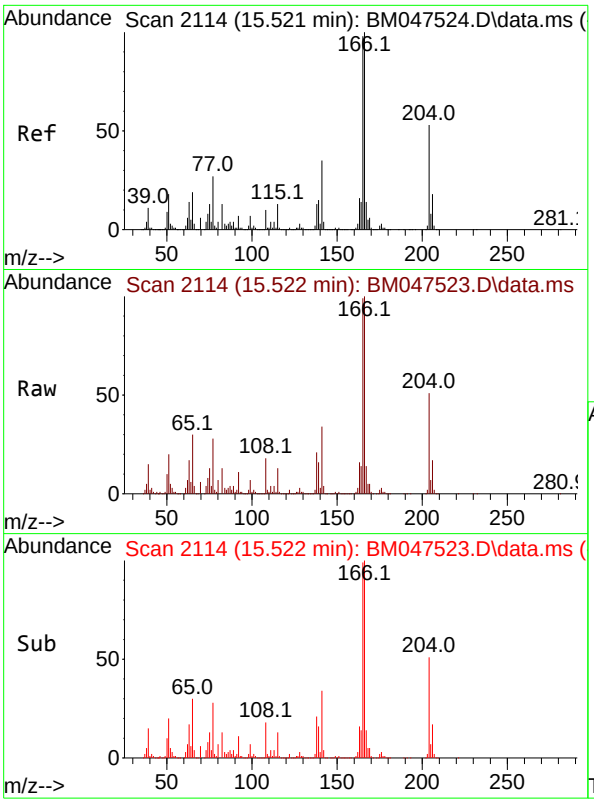


#60
Diethylphthalate
Concen: 19.779 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



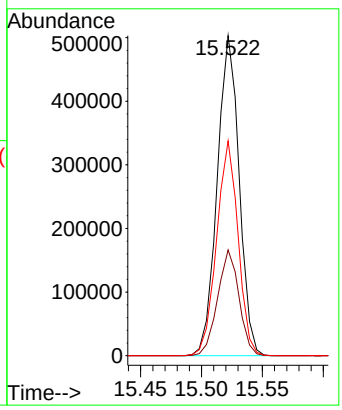


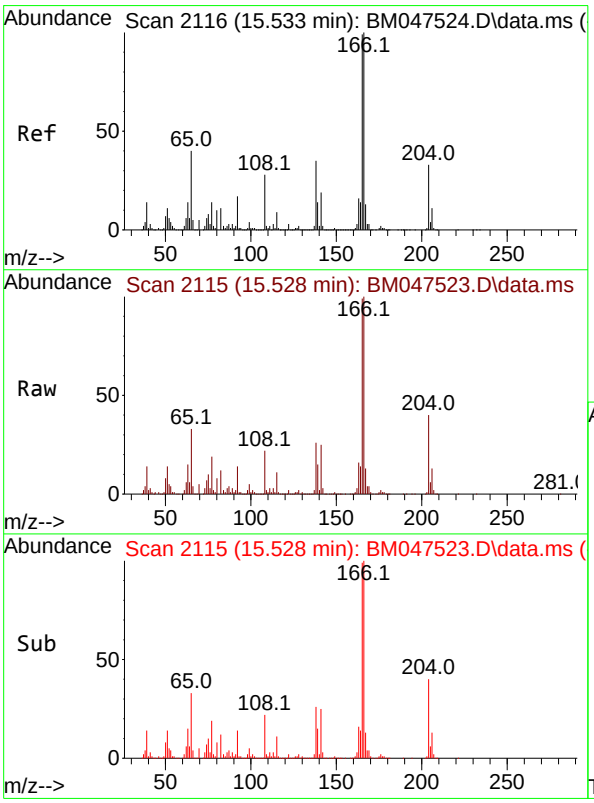
#61
4-Chlorophenyl-phenylether
Concen: 19.318 ng
RT: 15.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

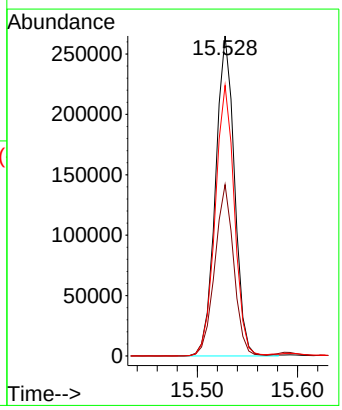


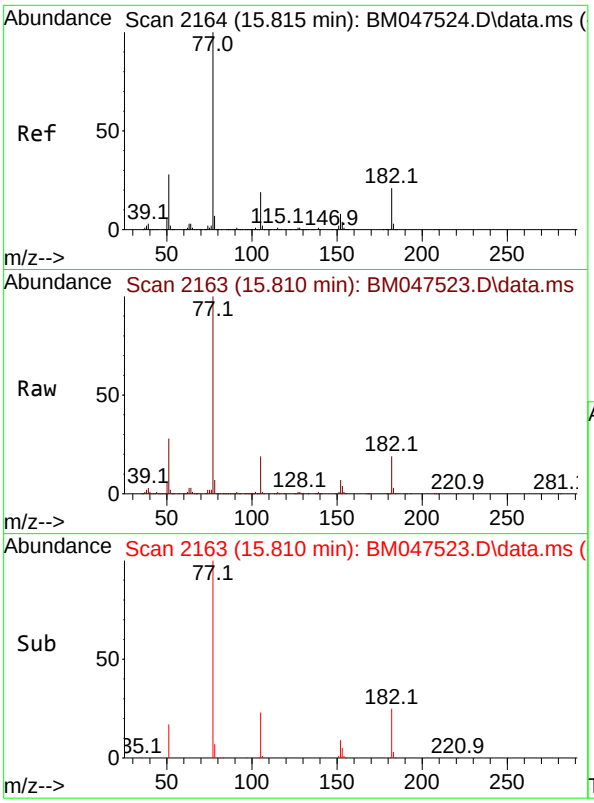


#62
4-Nitroaniline
Concen: 20.055 ng
RT: 15.528 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



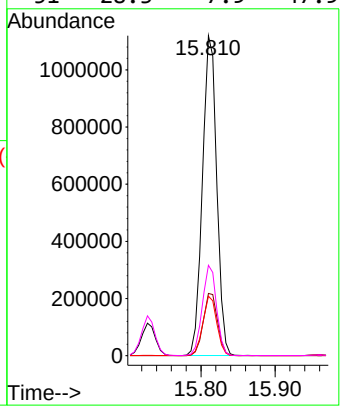


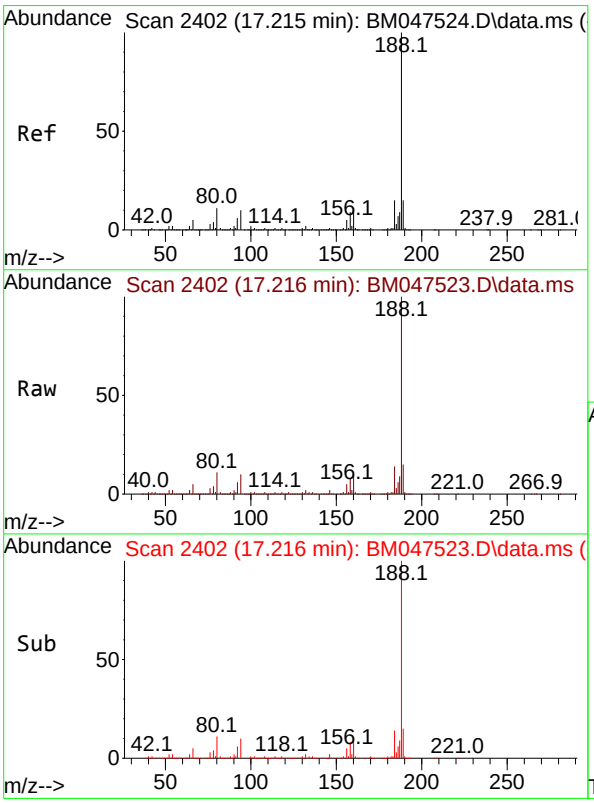
#63
Azobenzene
Concen: 20.288 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

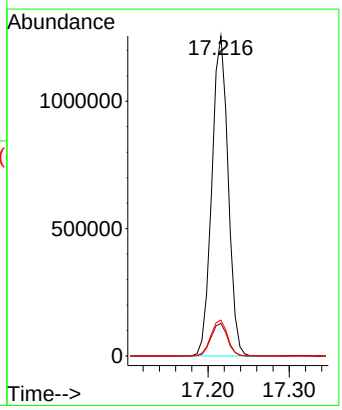


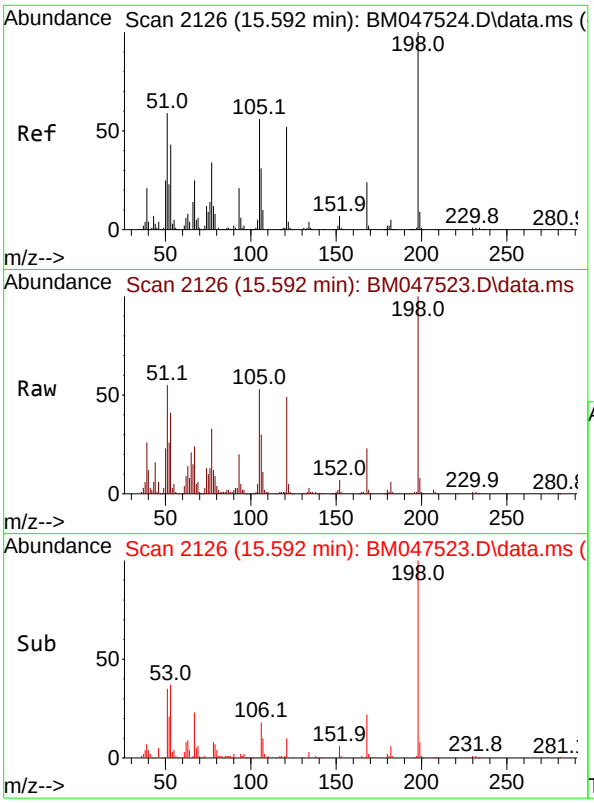


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



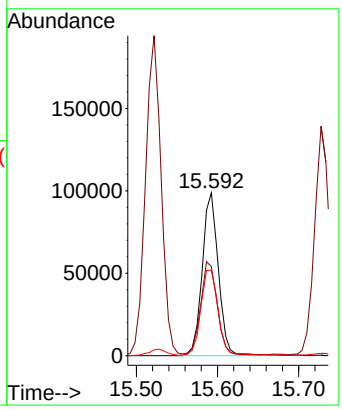


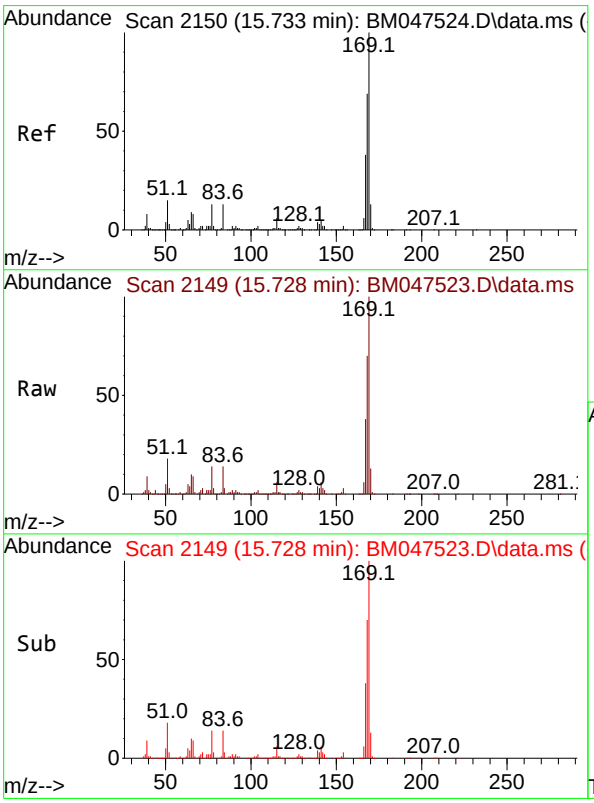
#65
4,6-Dinitro-2-methylphenol
Concen: 20.104 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

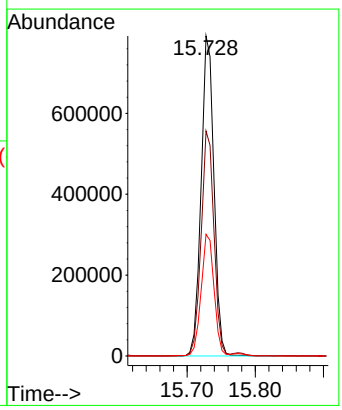


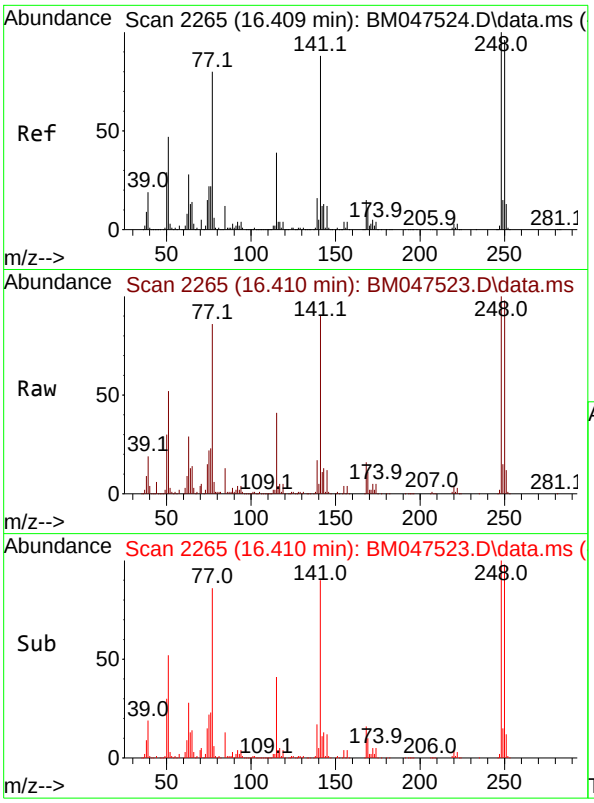


#66
n-Nitrosodiphenylamine
Concen: 19.283 ng
RT: 15.728 min Scan# 2149
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



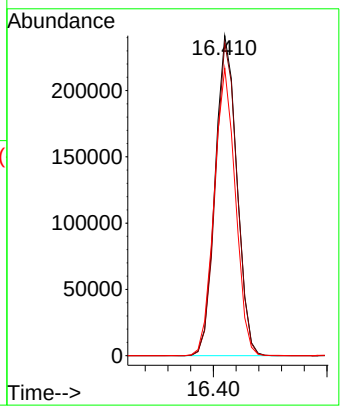


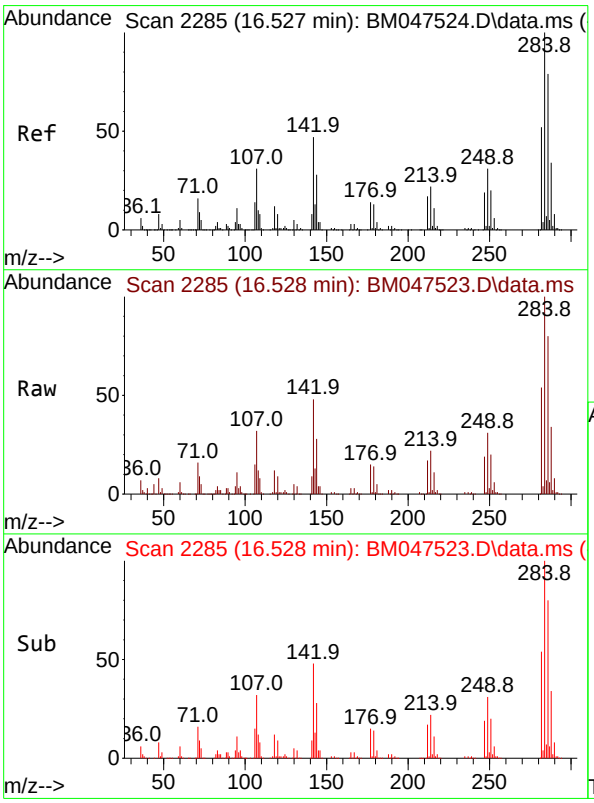
#67
4-Bromophenyl-phenylether
Concen: 18.807 ng
RT: 16.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

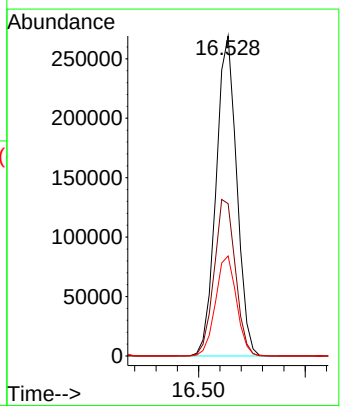


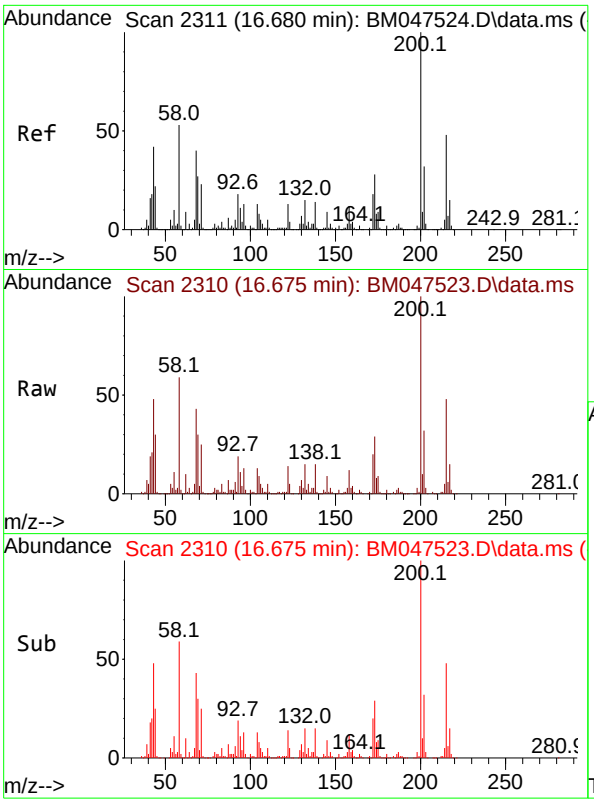


#68
Hexachlorobenzene
Concen: 18.759 ng
RT: 16.528 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



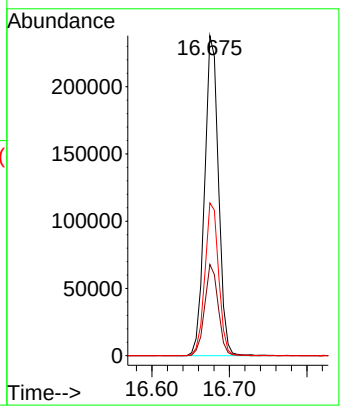


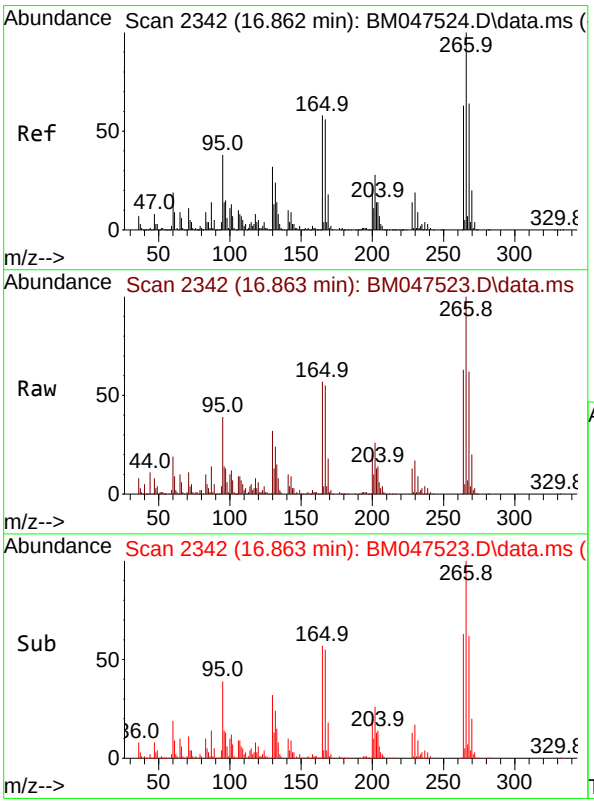
#69
Atrazine
Concen: 19.952 ng
RT: 16.675 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

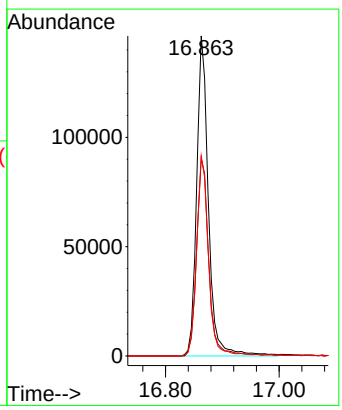


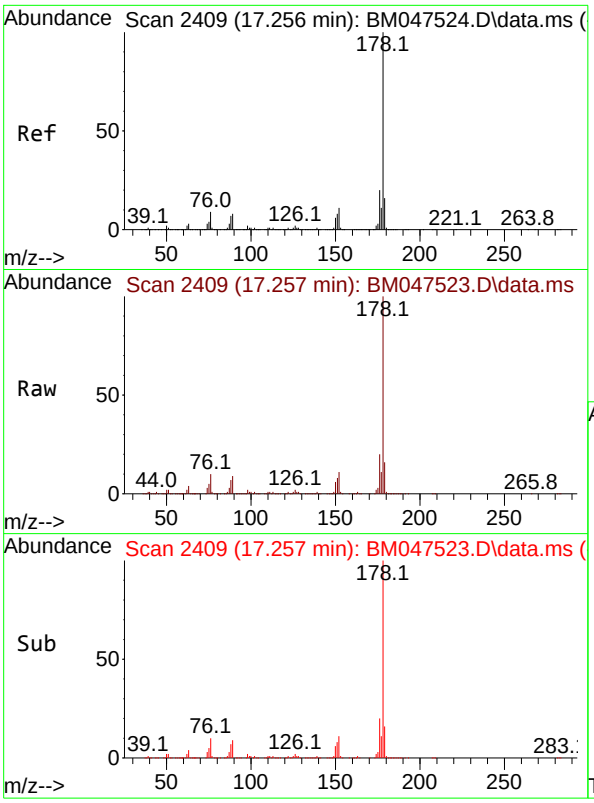


#70
Pentachlorophenol
Concen: 18.928 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



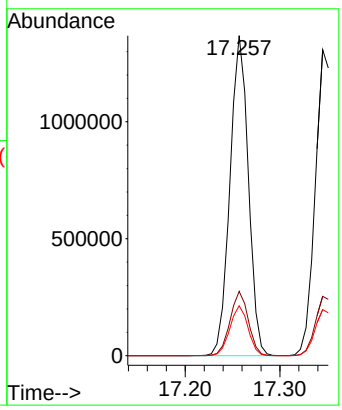


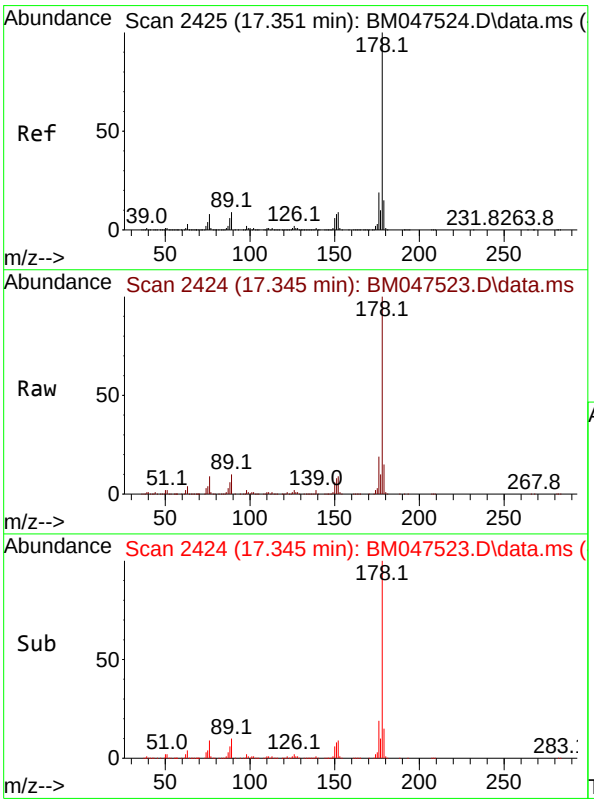
#71
Phenanthrene
Concen: 19.123 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

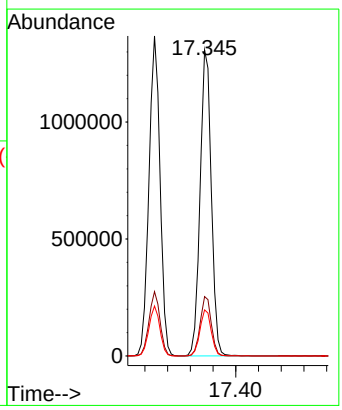


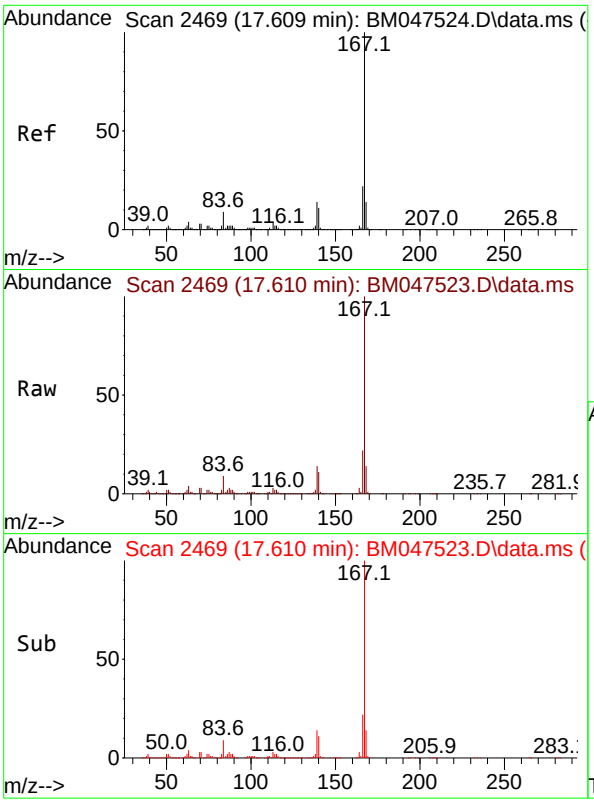


#72
Anthracene
Concen: 19.289 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



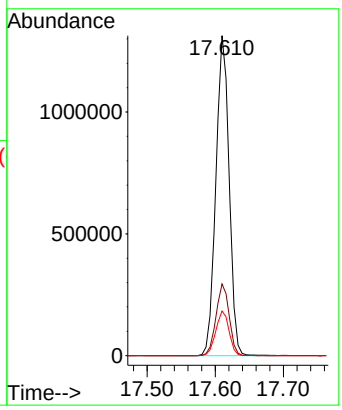


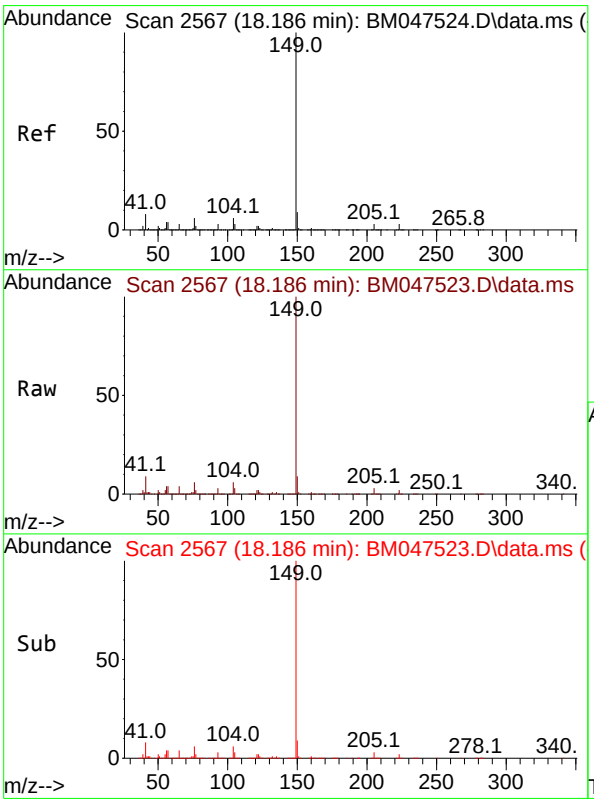
#73
Carbazole
Concen: 19.343 ng
RT: 17.610 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

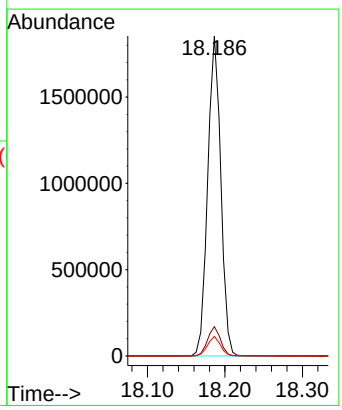


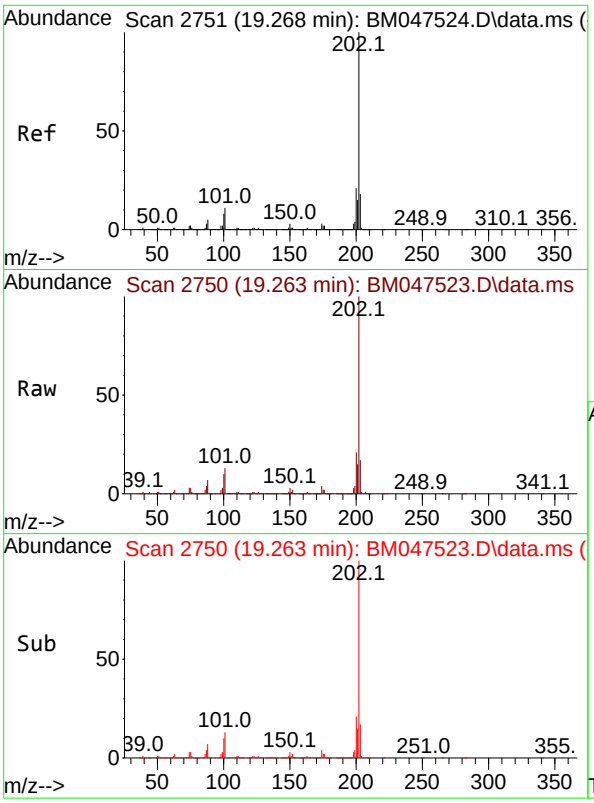


#74
Di-n-butylphthalate
Concen: 19.713 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



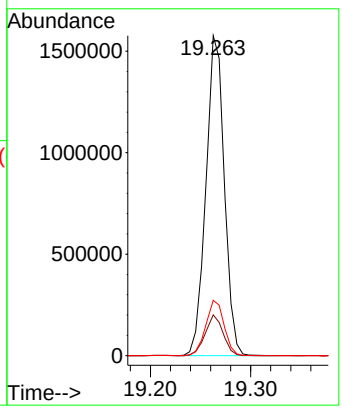


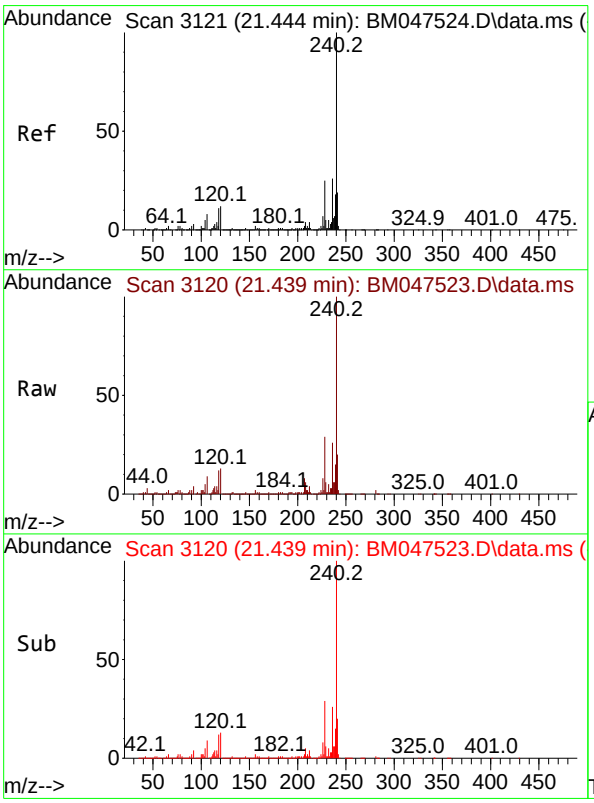
#75
Fluoranthene
Concen: 19.109 ng
RT: 19.263 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

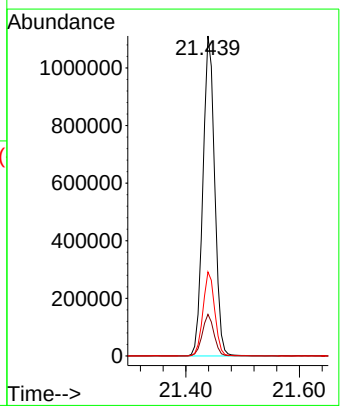


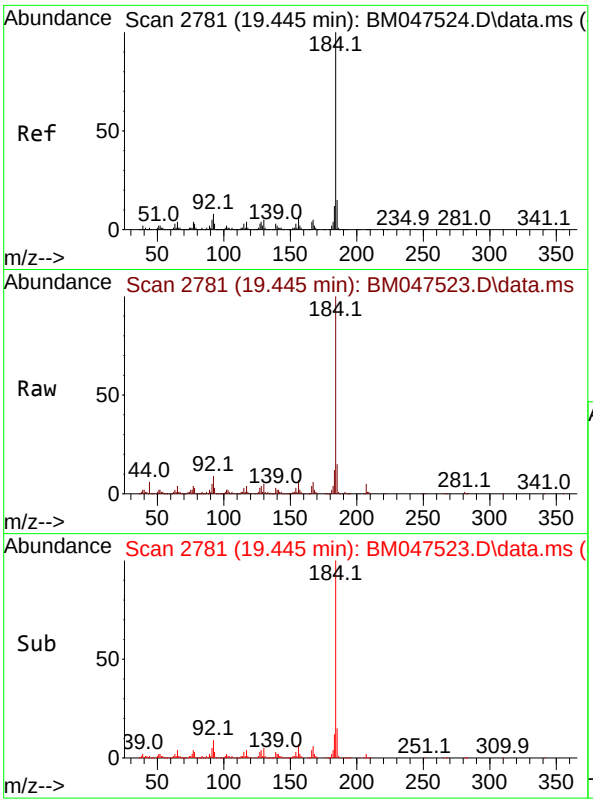


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



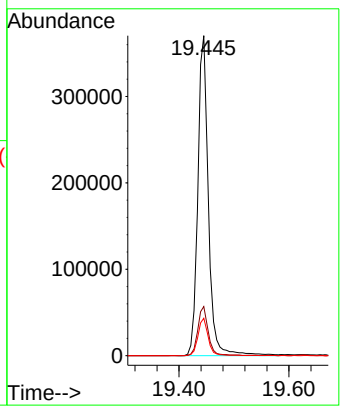


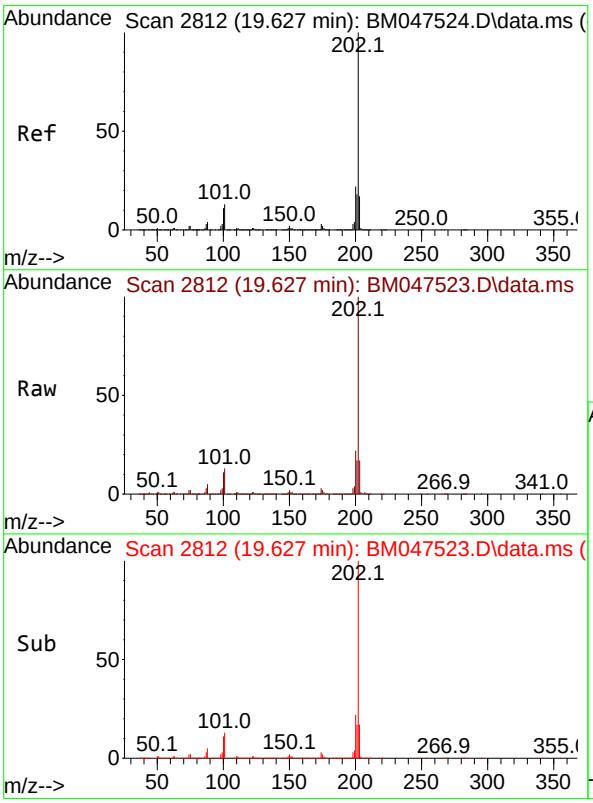
#77
Benzidine
Concen: 22.182 ng
RT: 19.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

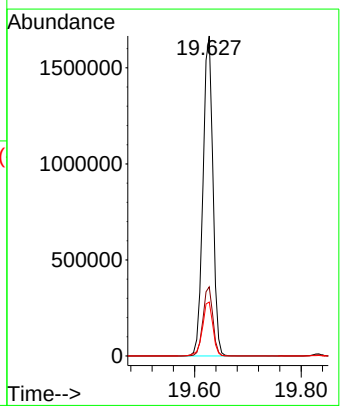


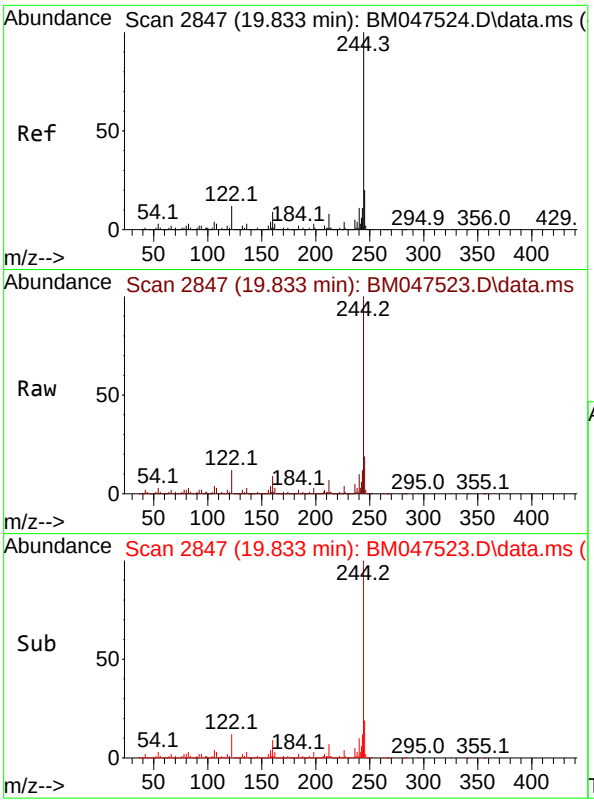


#78
Pyrene
Concen: 18.554 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



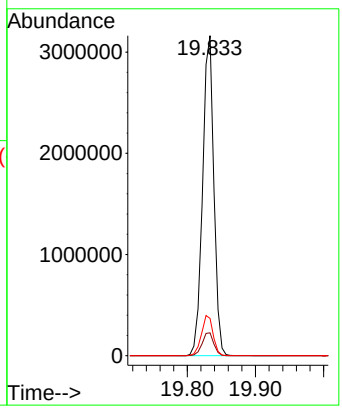


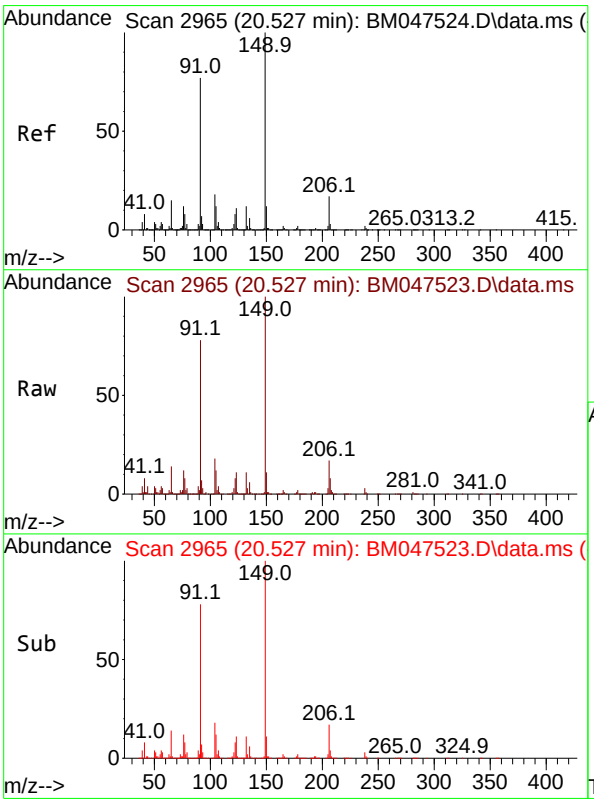
#79
Terphenyl-d14
Concen: 40.931 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

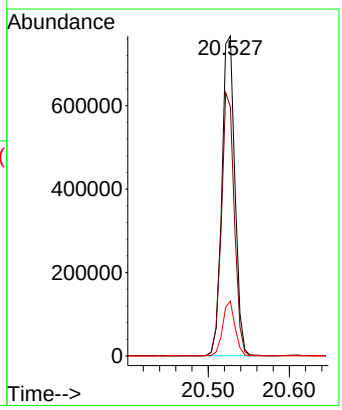


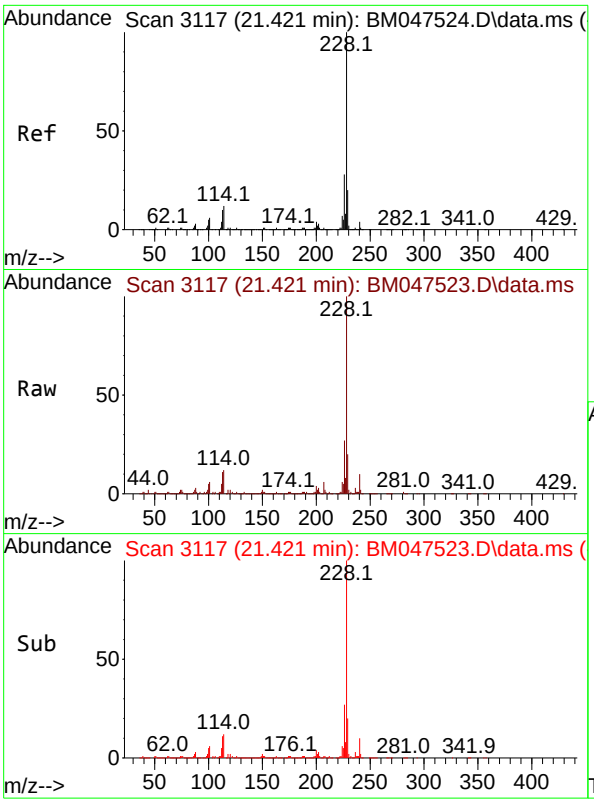


#80
Butylbenzylphthalate
Concen: 19.228 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



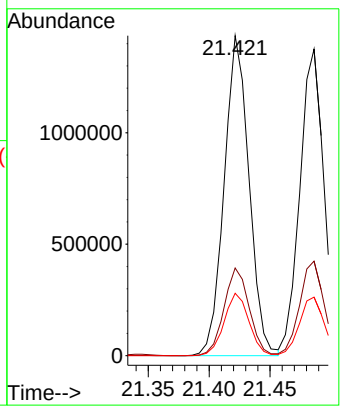


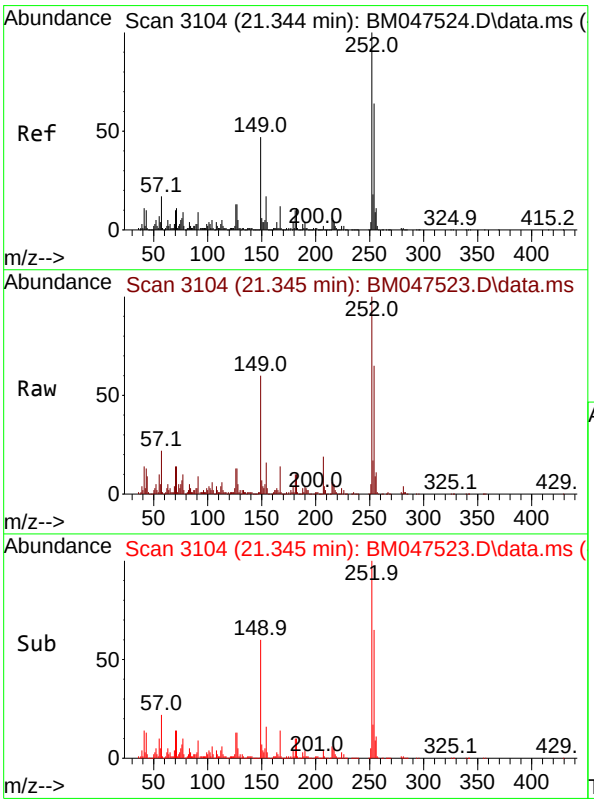
#81
Benzo(a)anthracene
Concen: 19.725 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

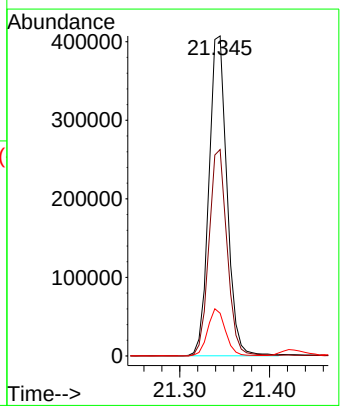


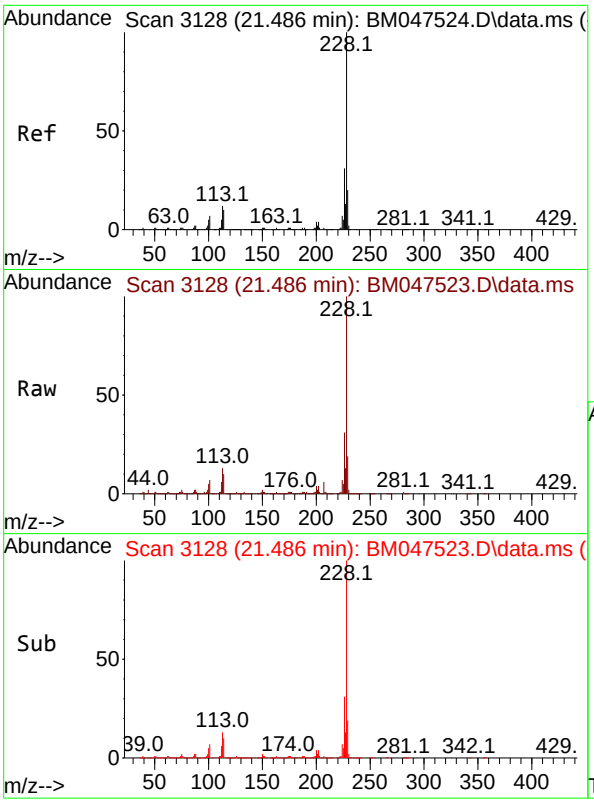


#82
3,3'-Dichlorobenzidine
Concen: 20.664 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



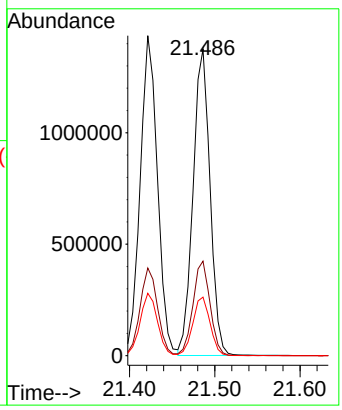


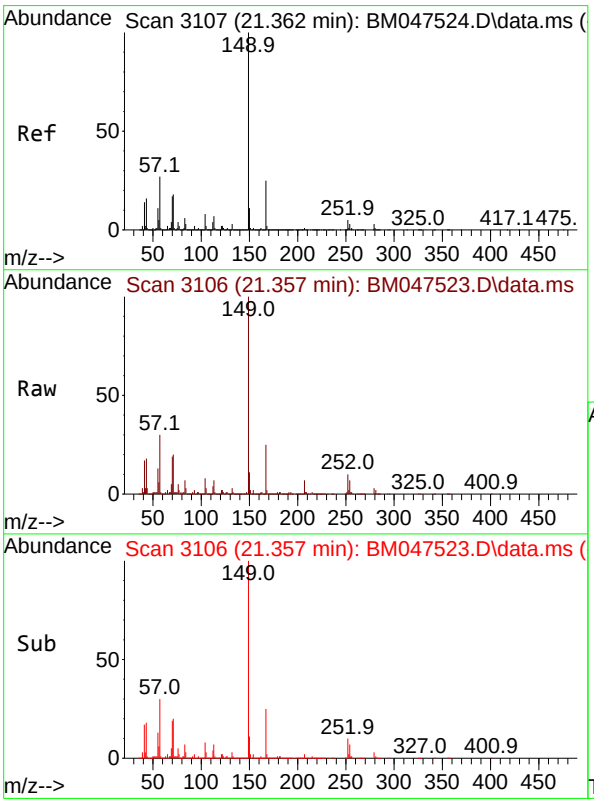
#83
Chrysene
Concen: 19.472 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

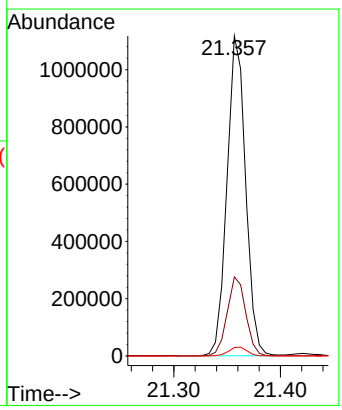


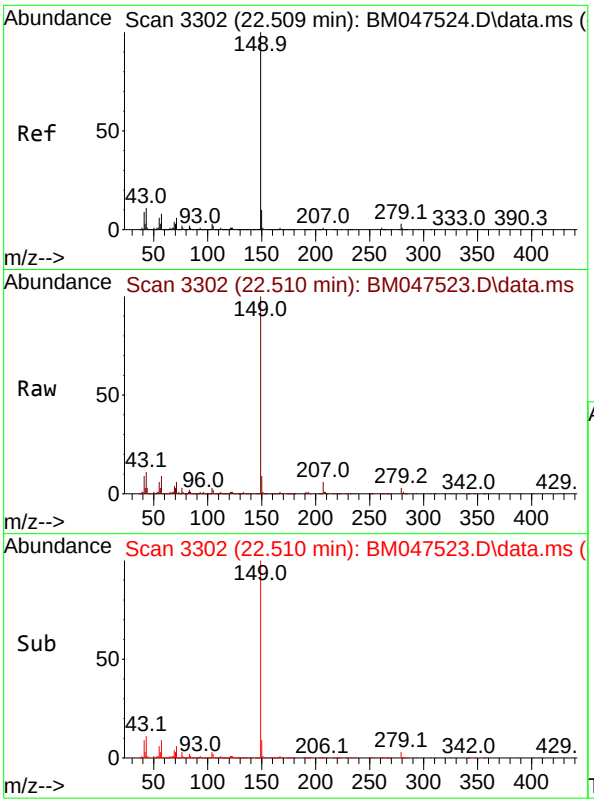


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.416 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



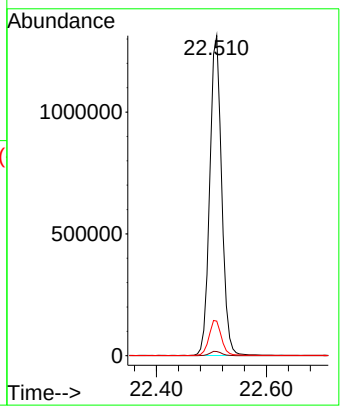


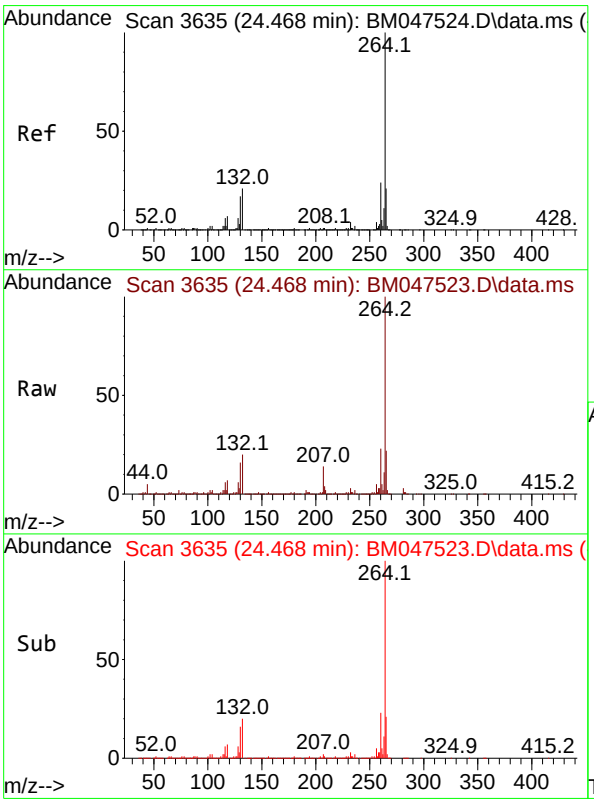
#85
Di-n-octyl phthalate
Concen: 19.984 ng
RT: 22.510 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

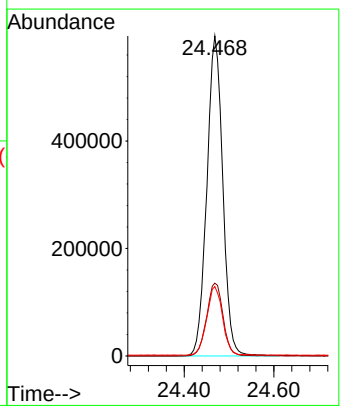


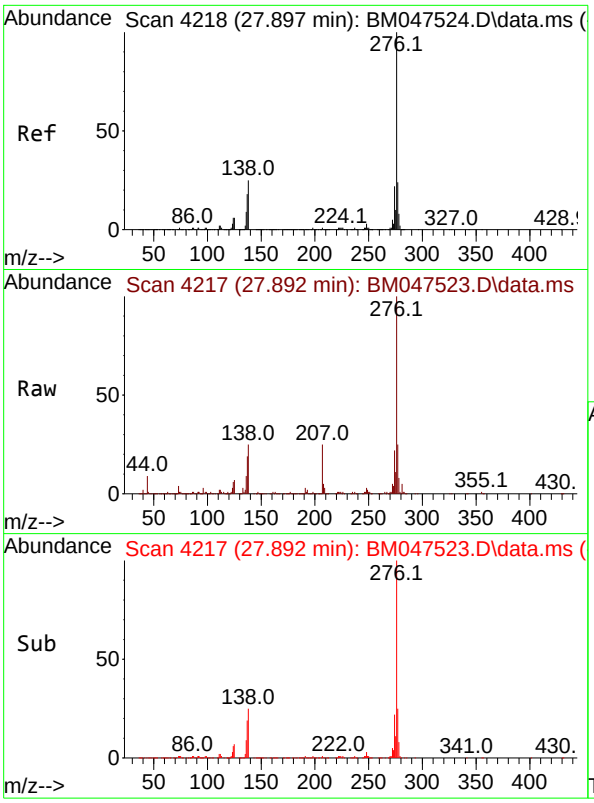


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



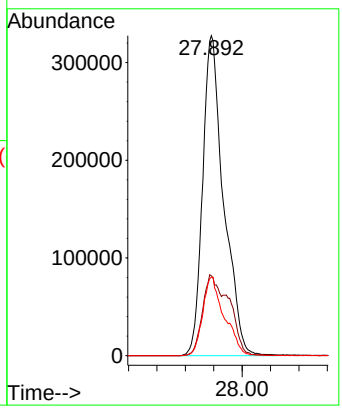


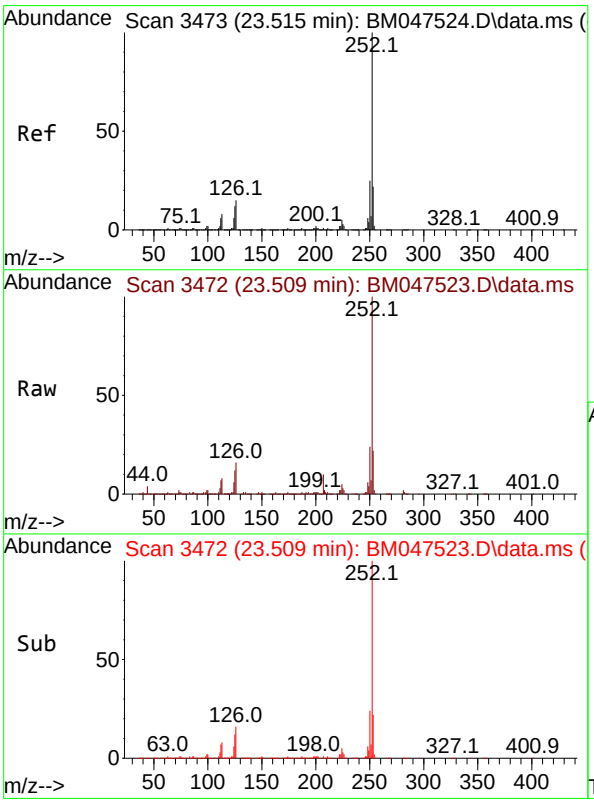
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.253 ng
RT: 27.892 min Scan# 4
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

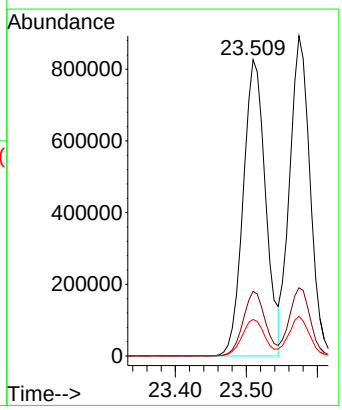


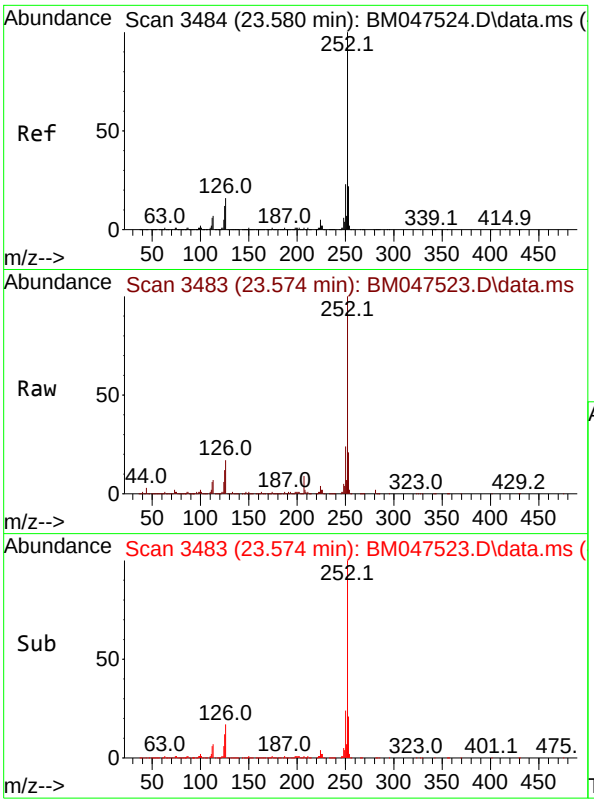


#88
Benzo(b)fluoranthene
Concen: 19.105 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



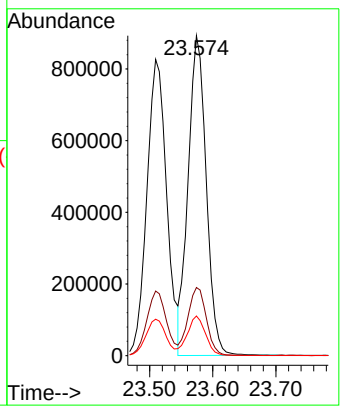


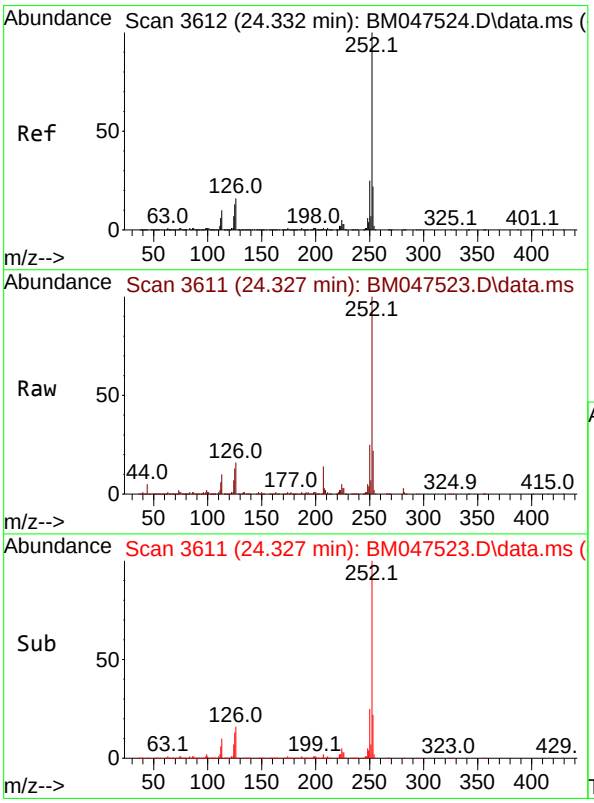
#89
Benzo(k)fluoranthene
Concen: 18.895 ng
RT: 23.574 min Scan# 34
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

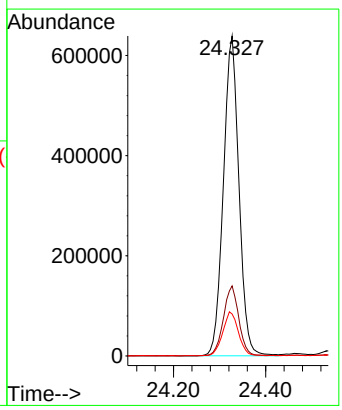


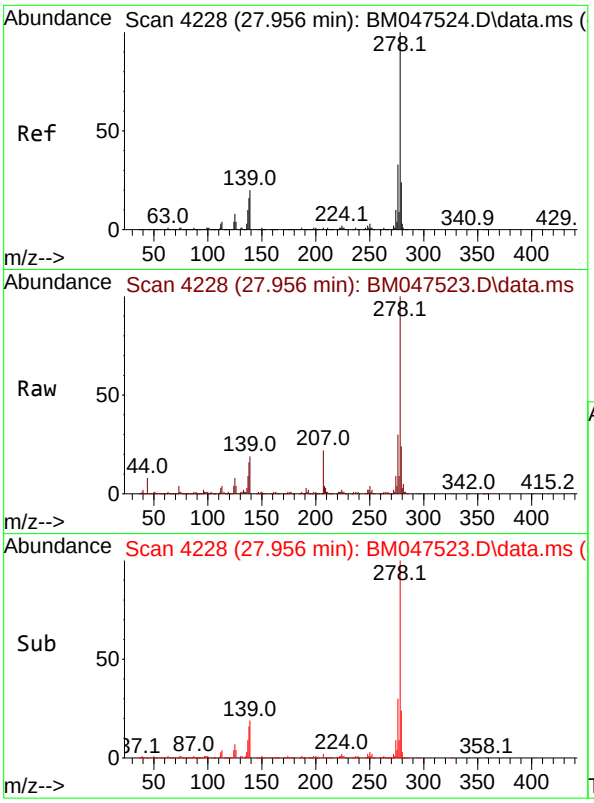


#90
Benzo(a)pyrene
Concen: 19.198 ng
RT: 24.327 min Scan# 3611
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



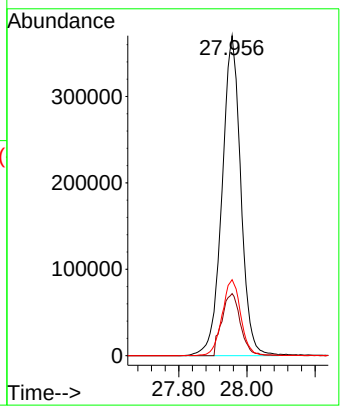


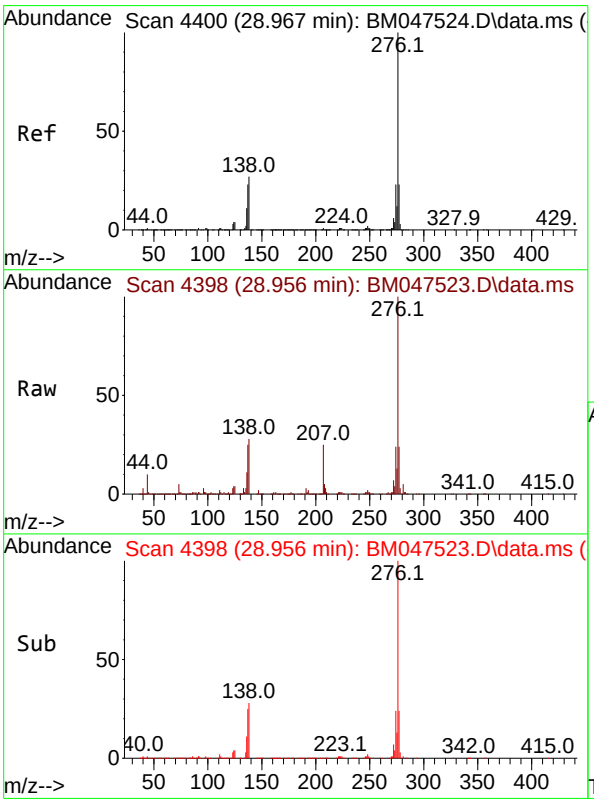
#91
Dibenzo(a,h)anthracene
Concen: 19.153 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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

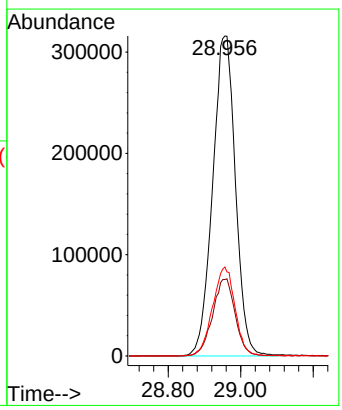




#92
Benzo(g,h,i)perylene
Concen: 19.119 ng
RT: 28.956 min Scan# 4398
Delta R.T. -0.011 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

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



Quantitation Report (QT Reviewed)

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

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

Quantitation Report (QT Reviewed)

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

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

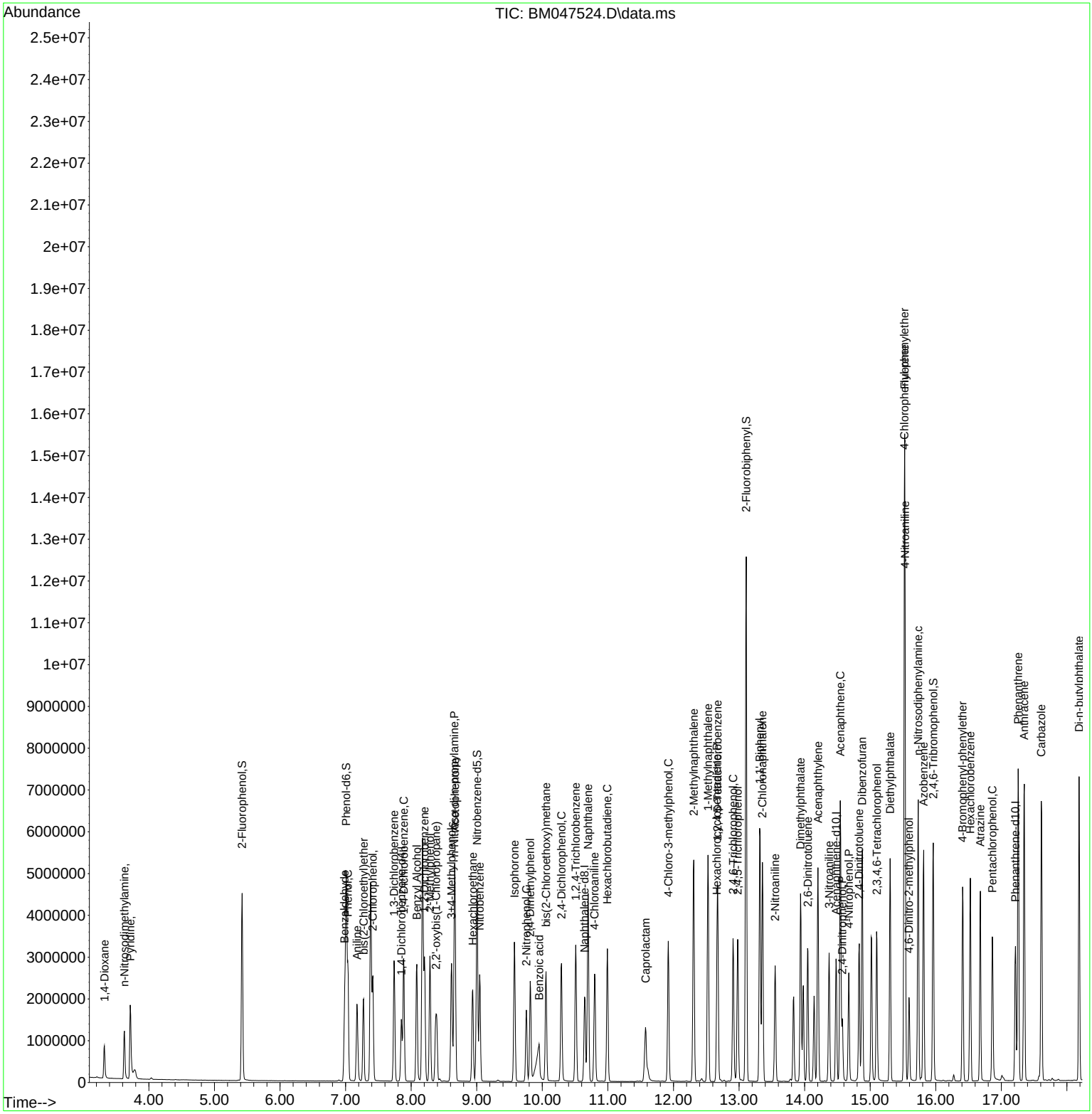
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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Data File : BM047524.D
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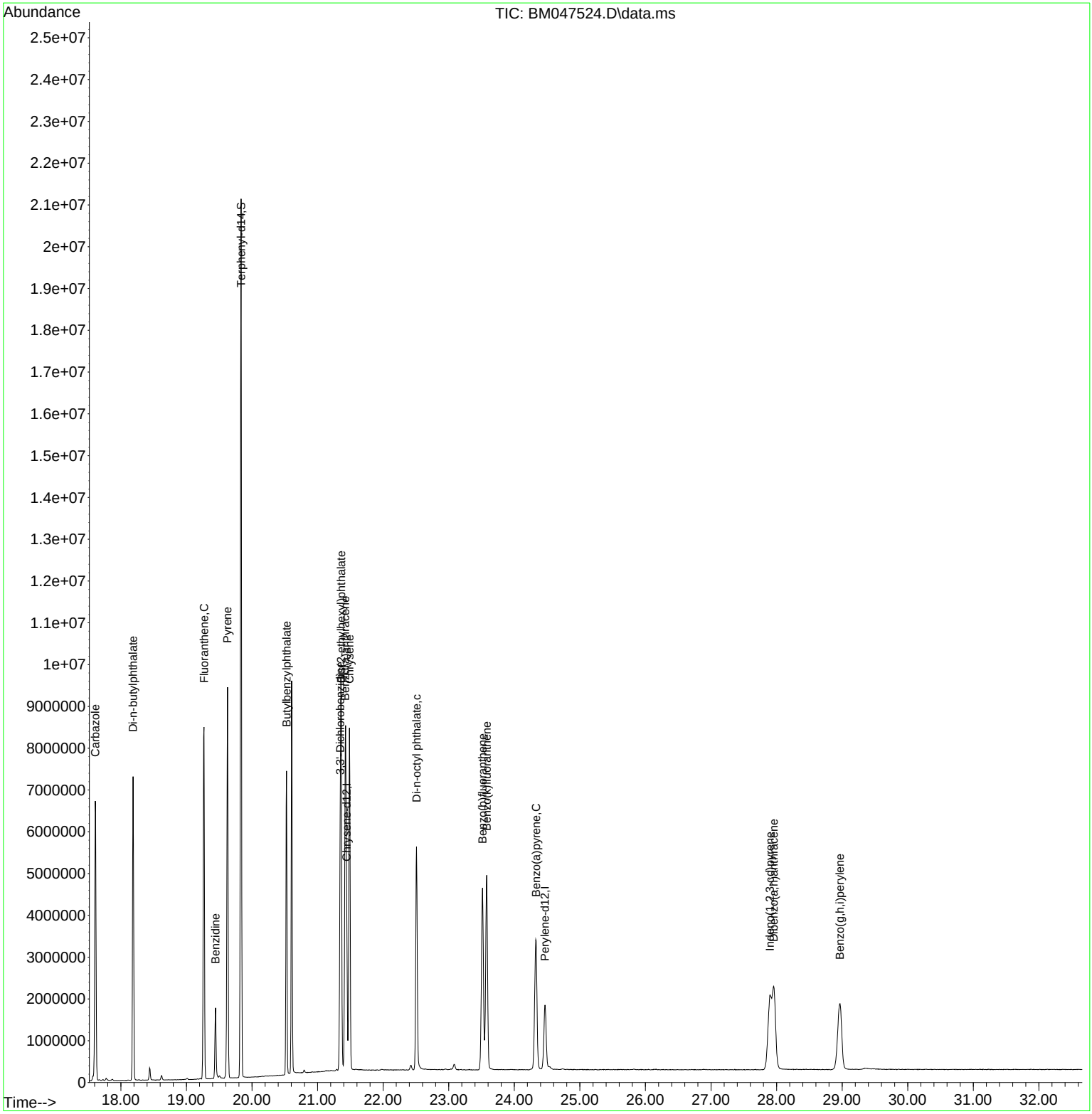
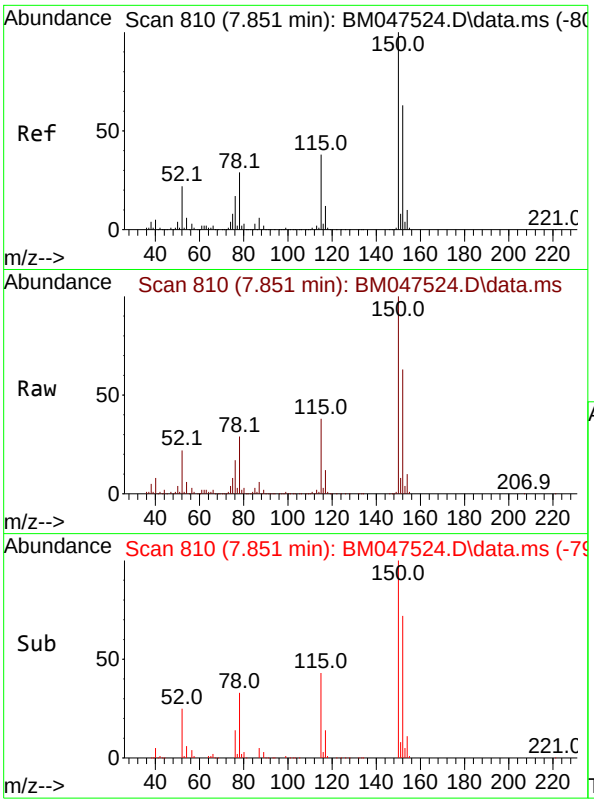
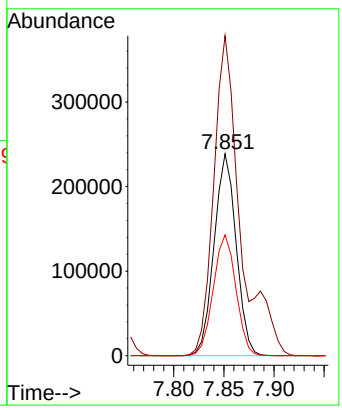




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:152 Resp: 36512

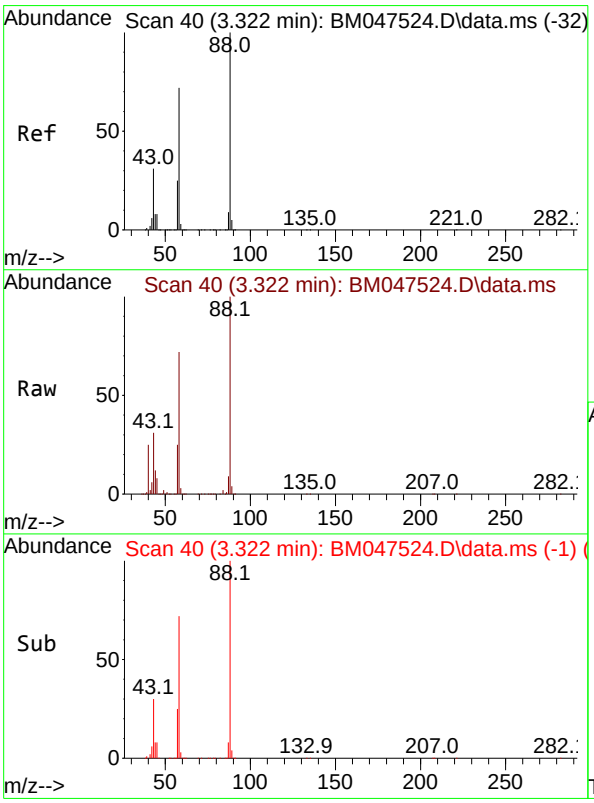
Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.8	190.2
115	59.8	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

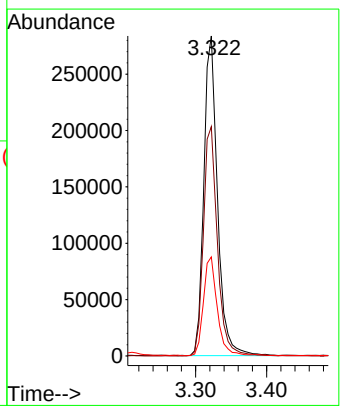
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

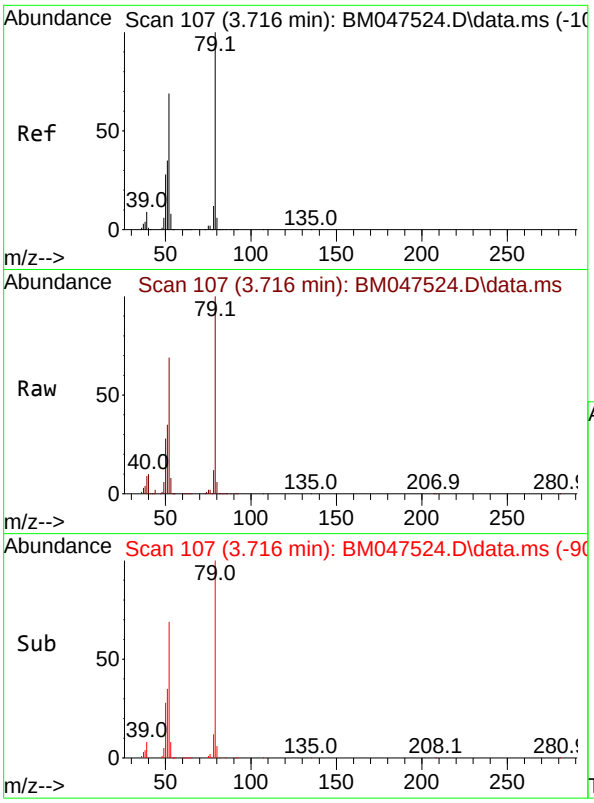


#2
1,4-Dioxane
Concen: 38.636 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

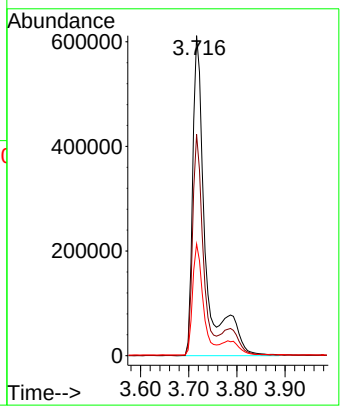




#3
Pyridine
Concen: 39.648 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 79 Resp: 115888

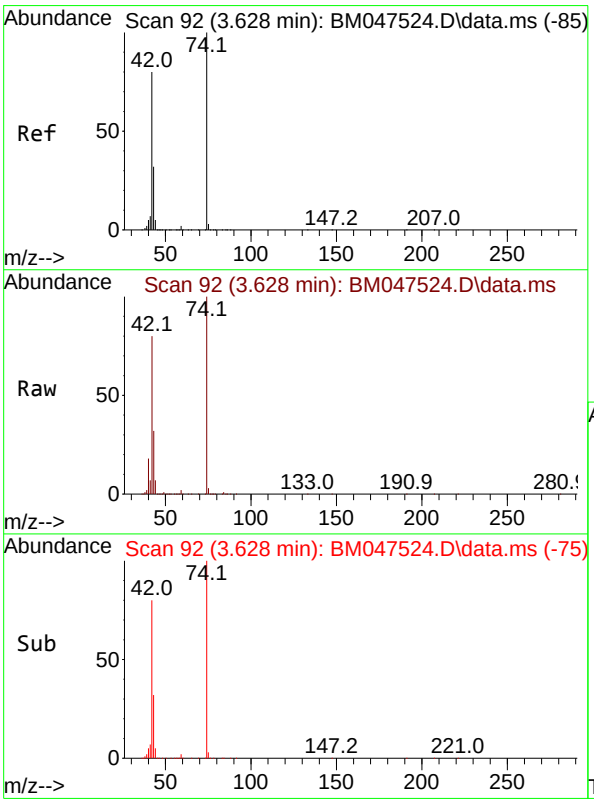
Ion	Ratio	Lower	Upper
79	100		
52	69.2	55.4	83.0
51	34.9	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

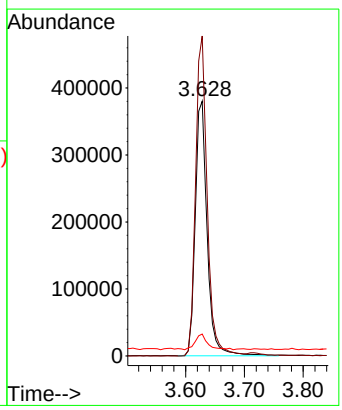
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

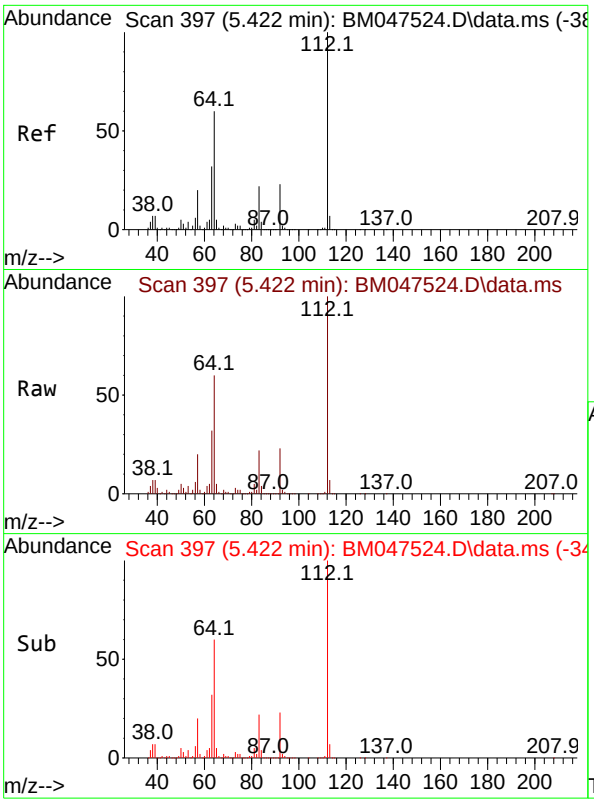


#4
n-Nitrosodimethylamine
Concen: 40.206 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

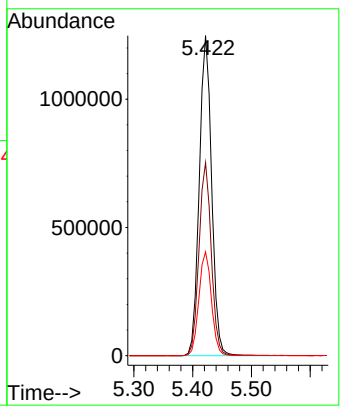




#5
2-Fluorophenol
Concen: 79.215 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:112 Resp: 181655

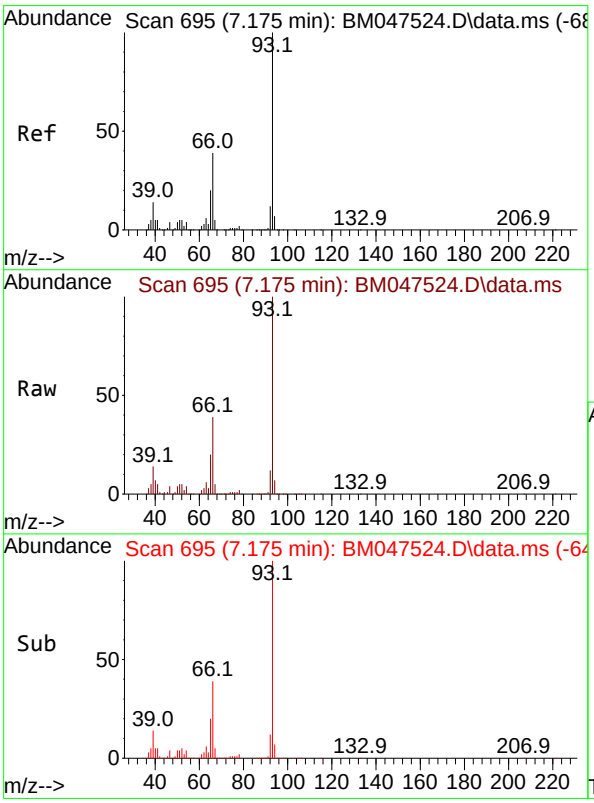
Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.2	72.4
63	32.5	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

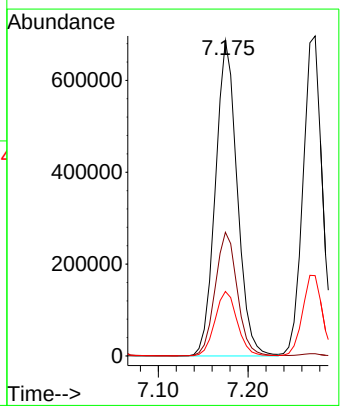
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

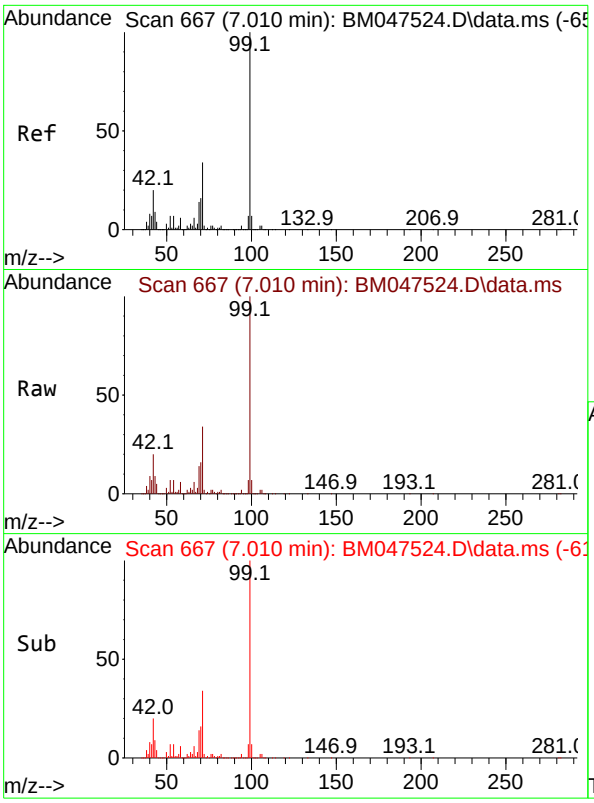


#6
Aniline
Concen: 40.452 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

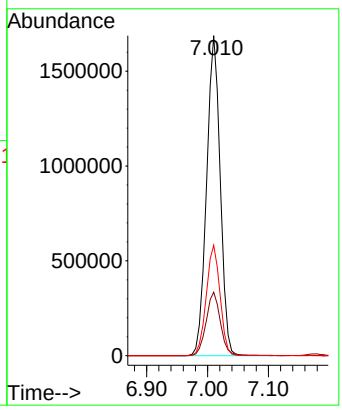




#7
Phenol-d6
Concen: 81.187 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

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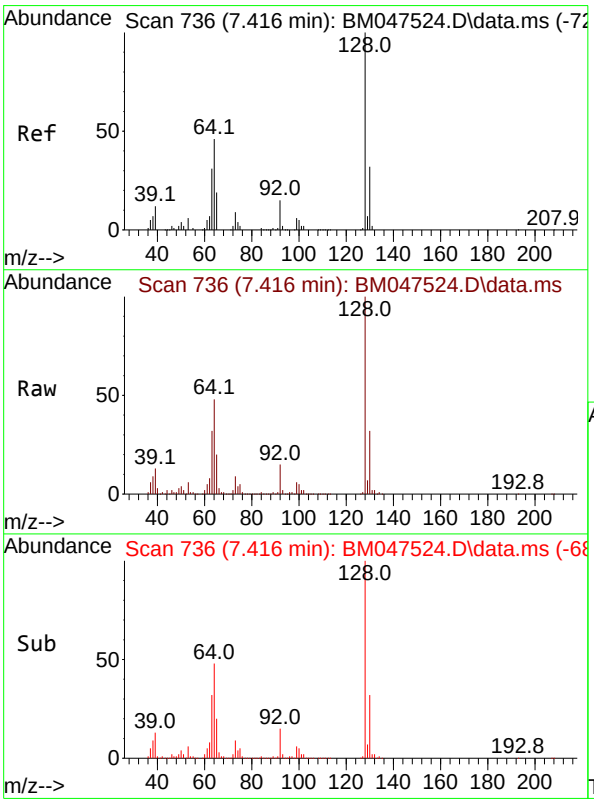
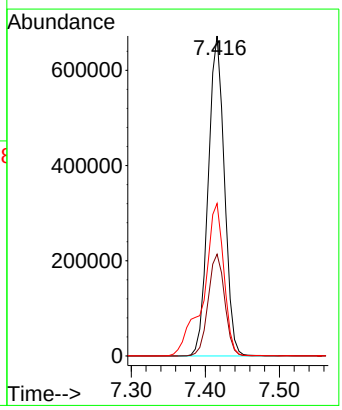
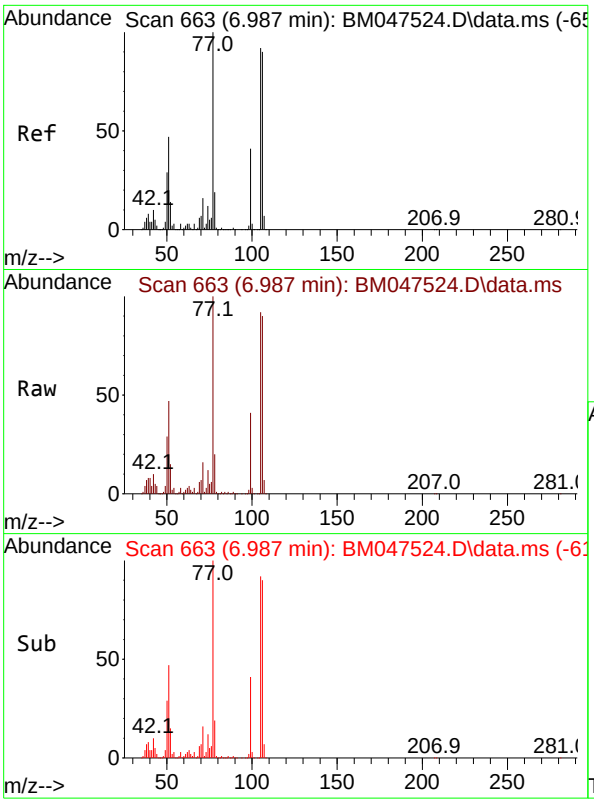


#8
2-Chlorophenol
Concen: 40.294 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

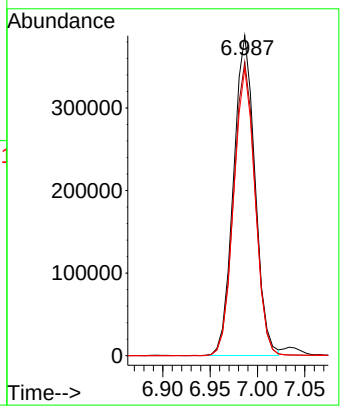




#9
Benzaldehyde
Concen: 39.784 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

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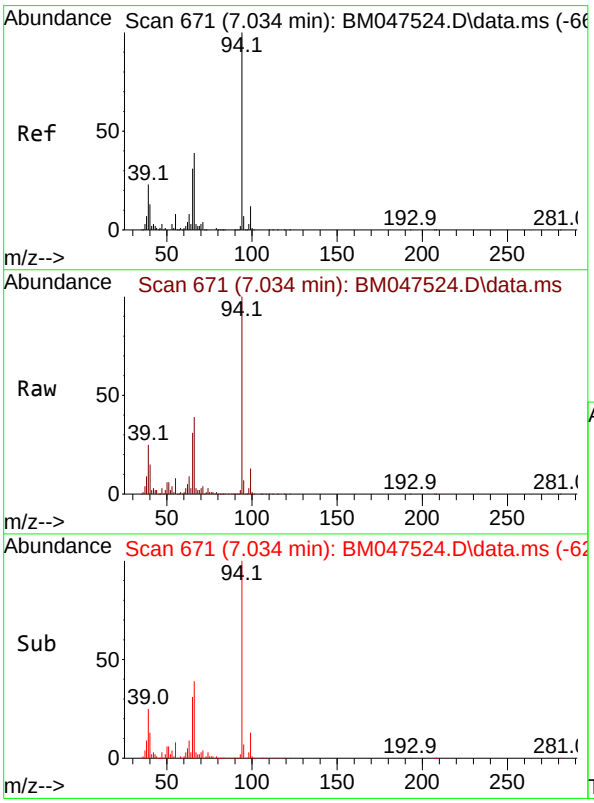
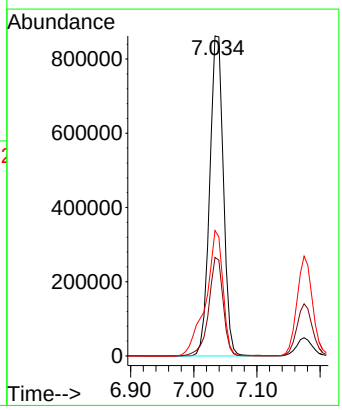
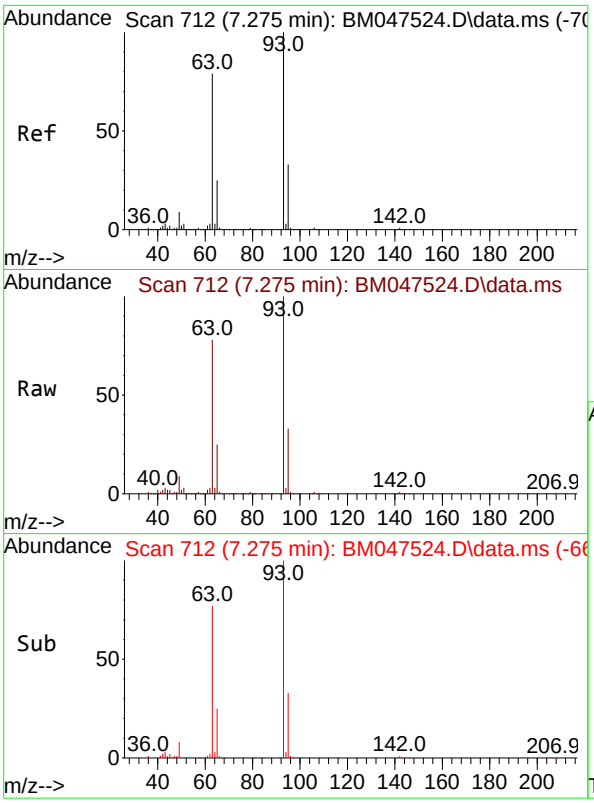


#10
Phenol
Concen: 40.224 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

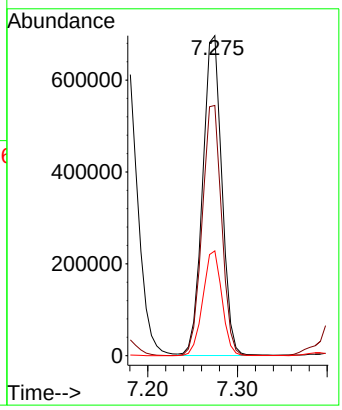




#11
bis(2-Chloroethyl)ether
Concen: 39.880 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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 :
BNA_M
ClientSampleId :
SSTDICCC040

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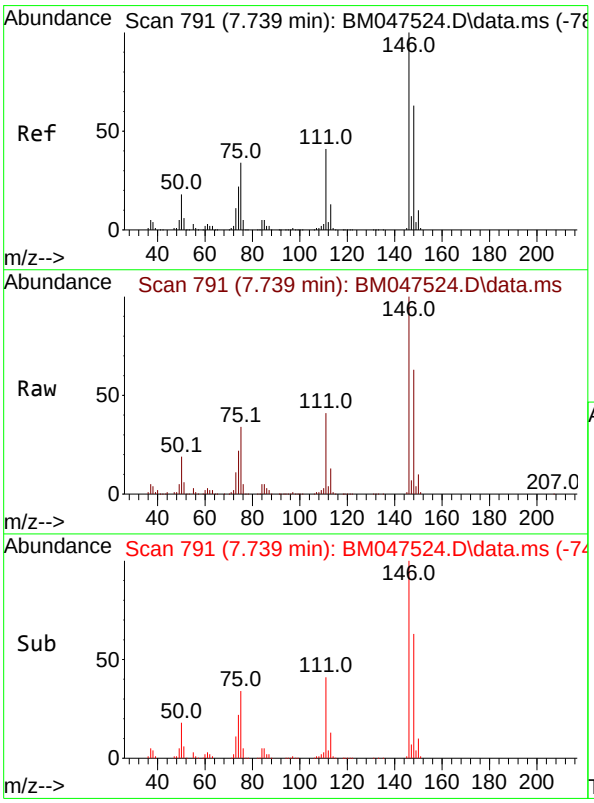
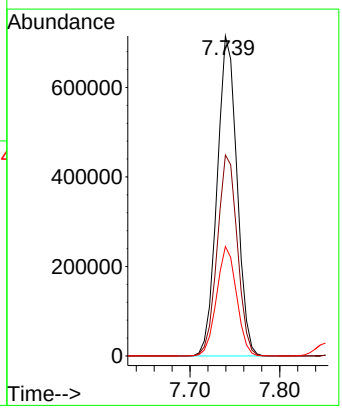
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

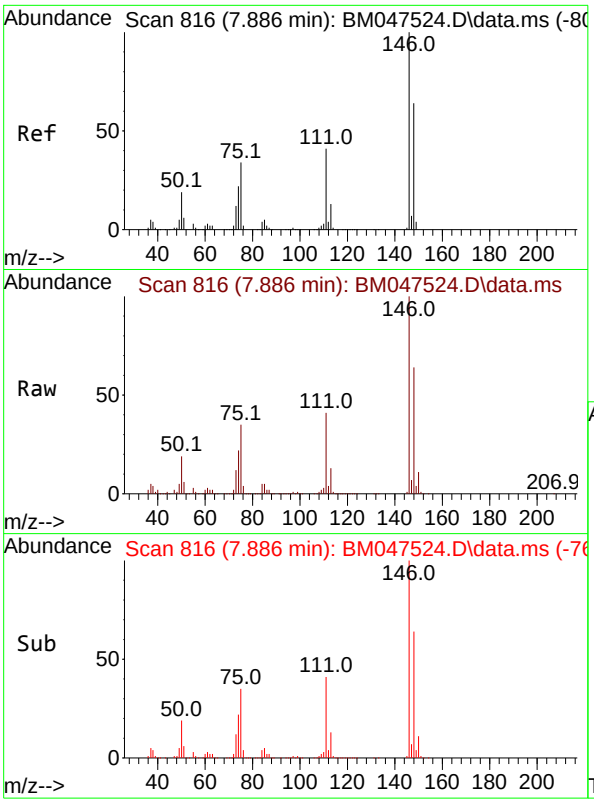


#12
1,3-Dichlorobenzene
Concen: 39.662 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

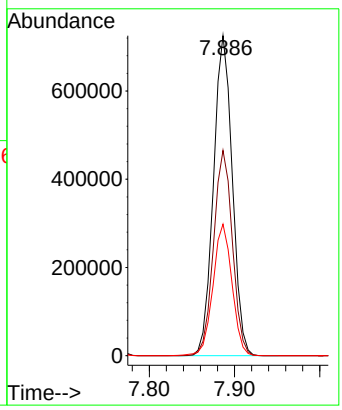




#13
1,4-Dichlorobenzene
Concen: 39.570 ng
RT: 7.886 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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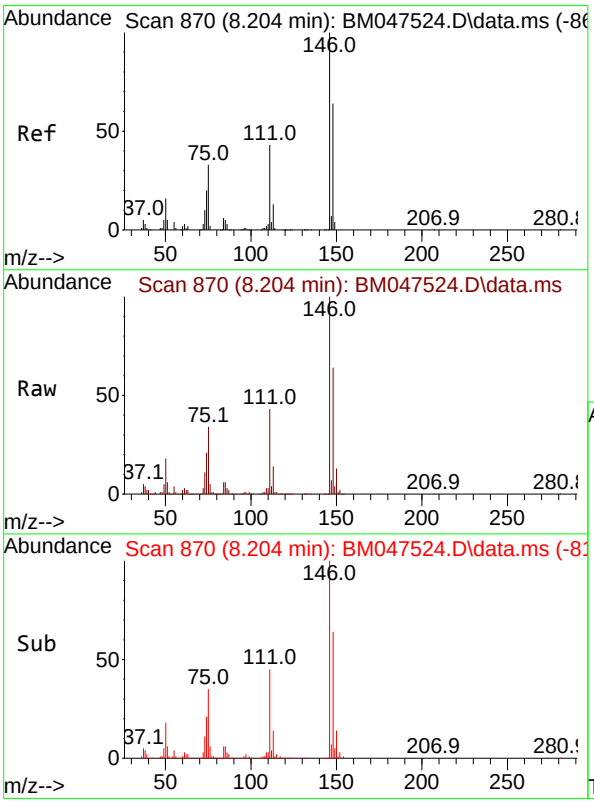
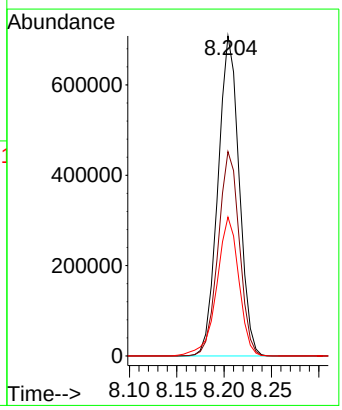
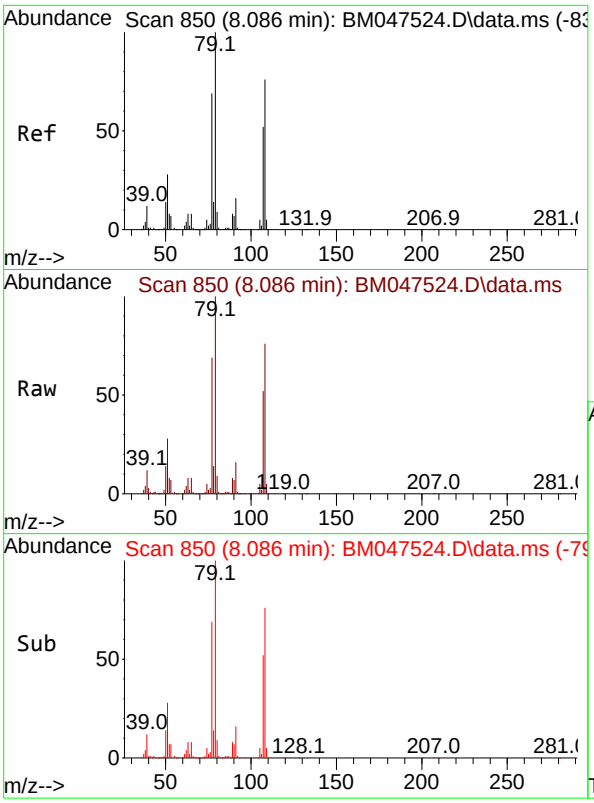


#14
1,2-Dichlorobenzene
Concen: 39.688 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

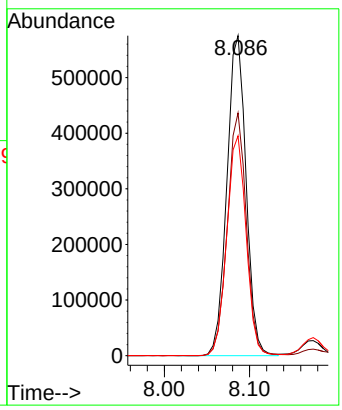




#15
Benzyl Alcohol
Concen: 41.137 ng
RT: 8.086 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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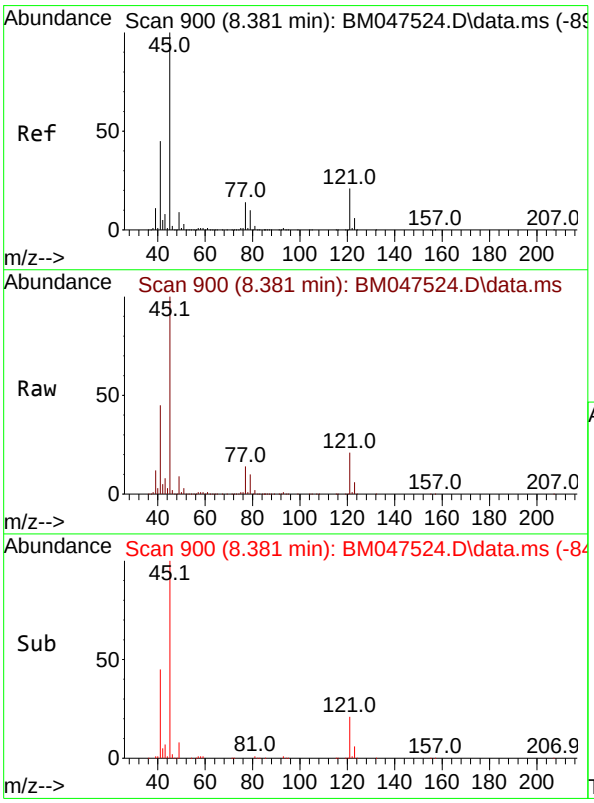
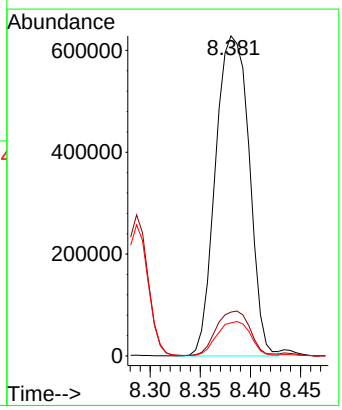
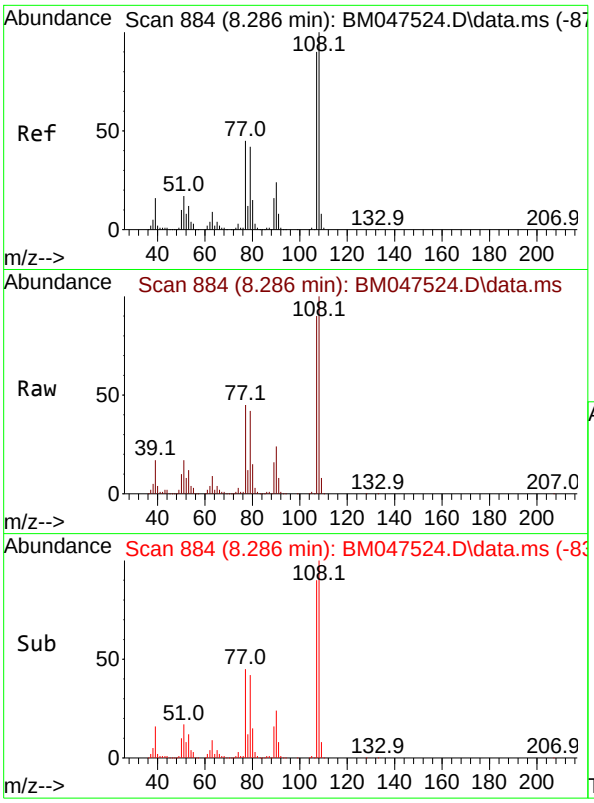


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.178 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

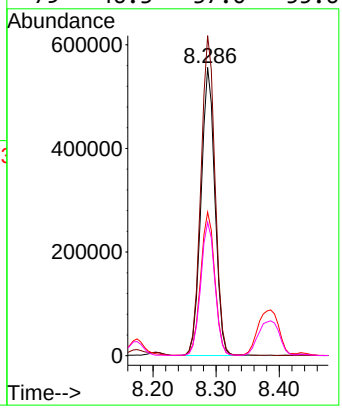




#17
2-Methylphenol
Concen: 41.031 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



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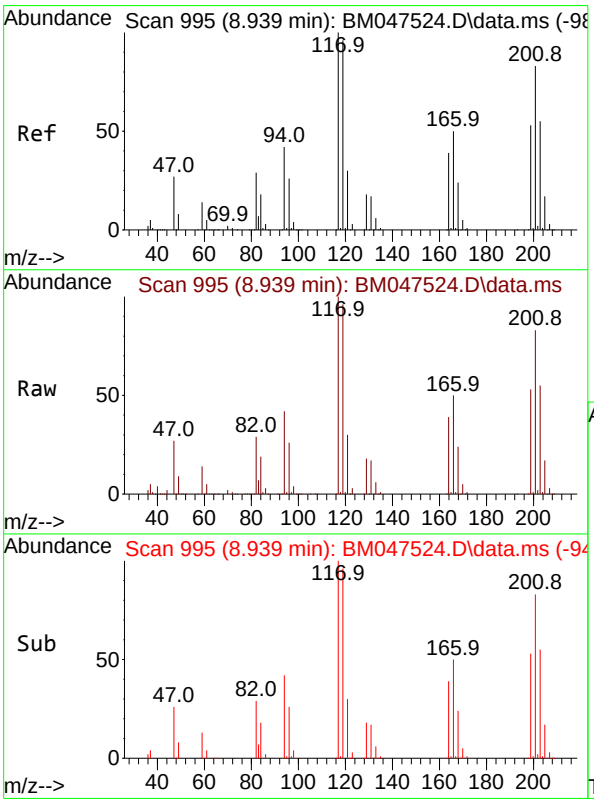
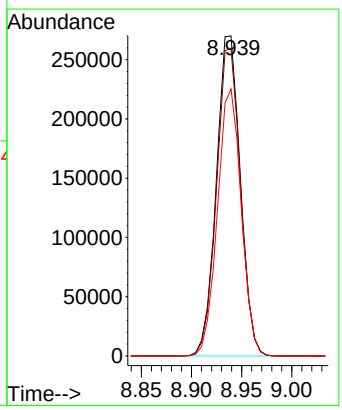
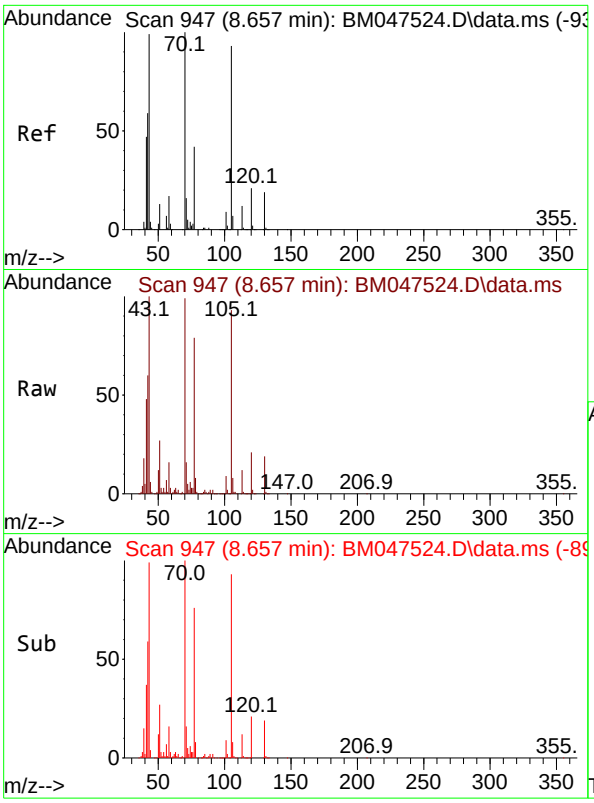


#18
Hexachloroethane
Concen: 39.876 ng
RT: 8.939 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

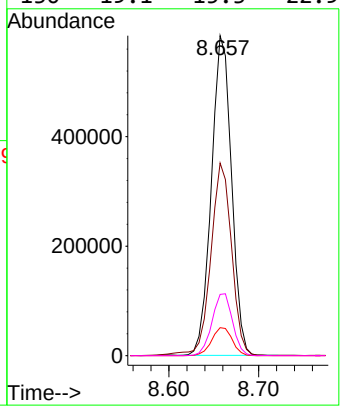




#19
n-Nitroso-di-n-propylamine
Concen: 41.720 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



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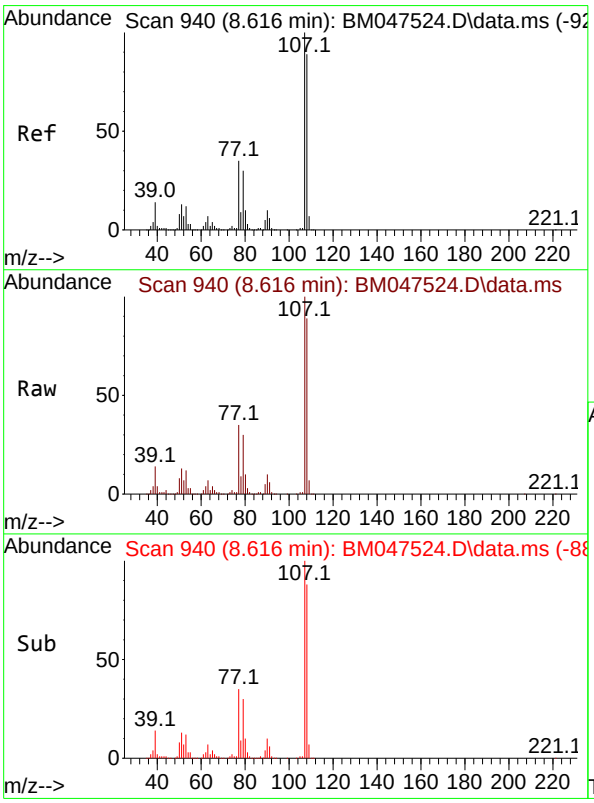
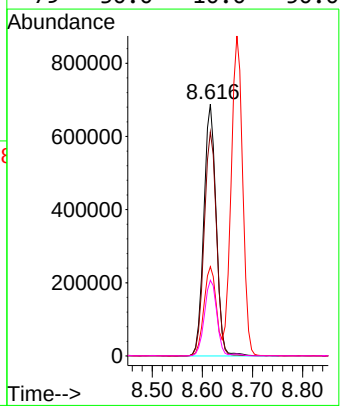
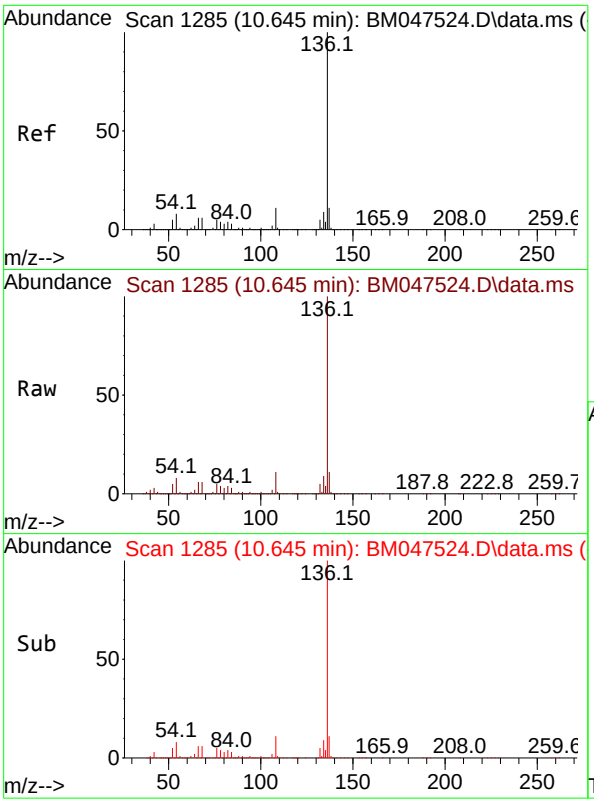


#20
3+4-Methylphenols
Concen: 40.867 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

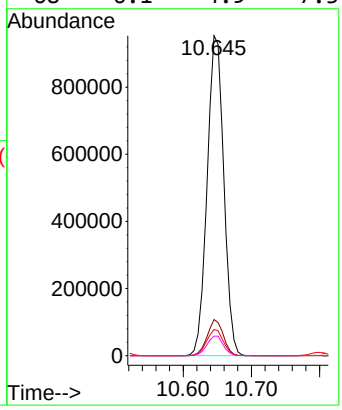




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



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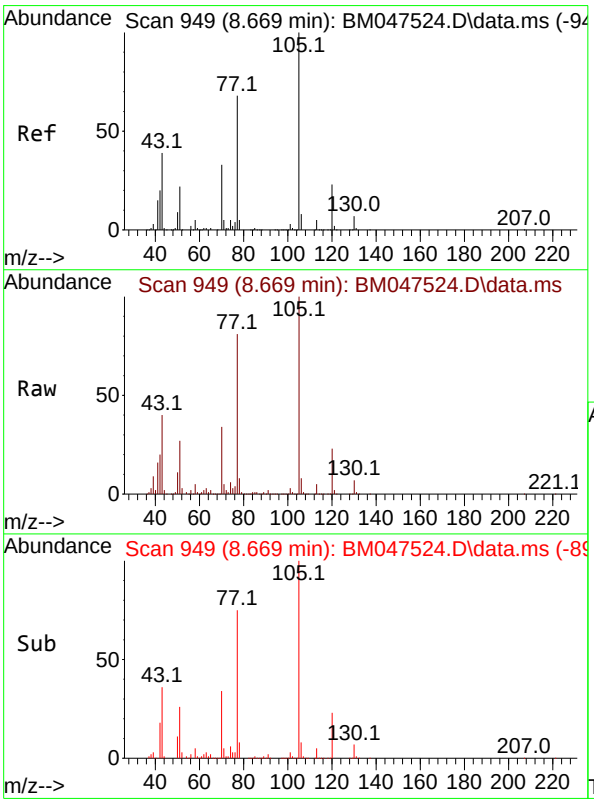
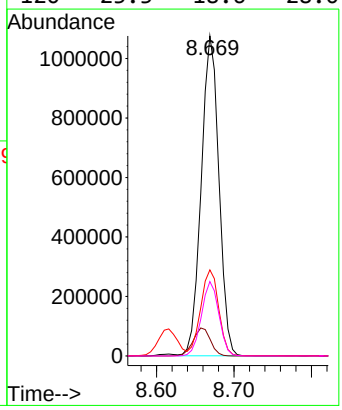
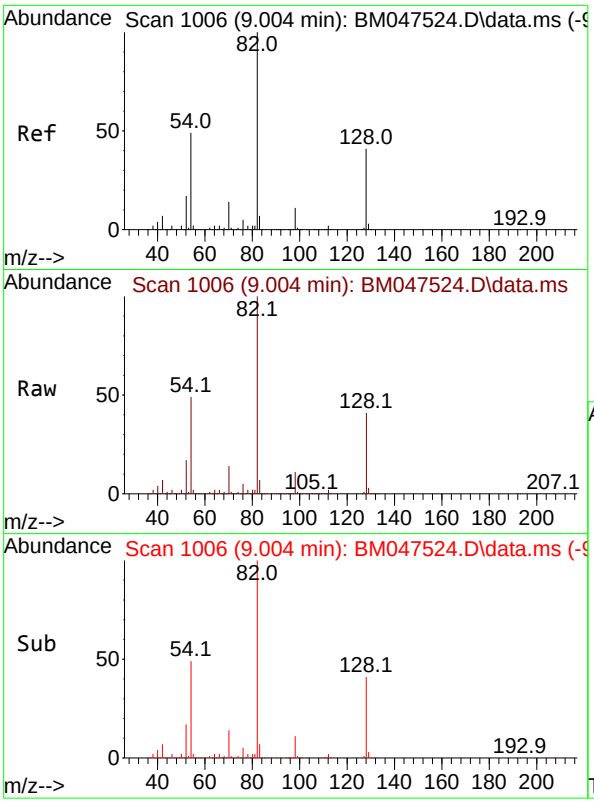


#22
Acetophenone
Concen: 40.072 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

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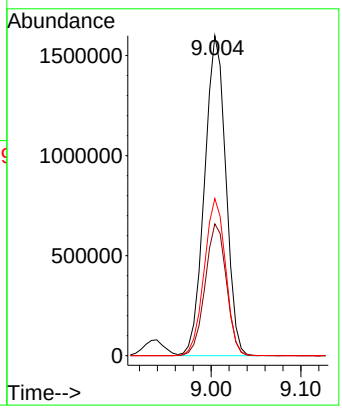
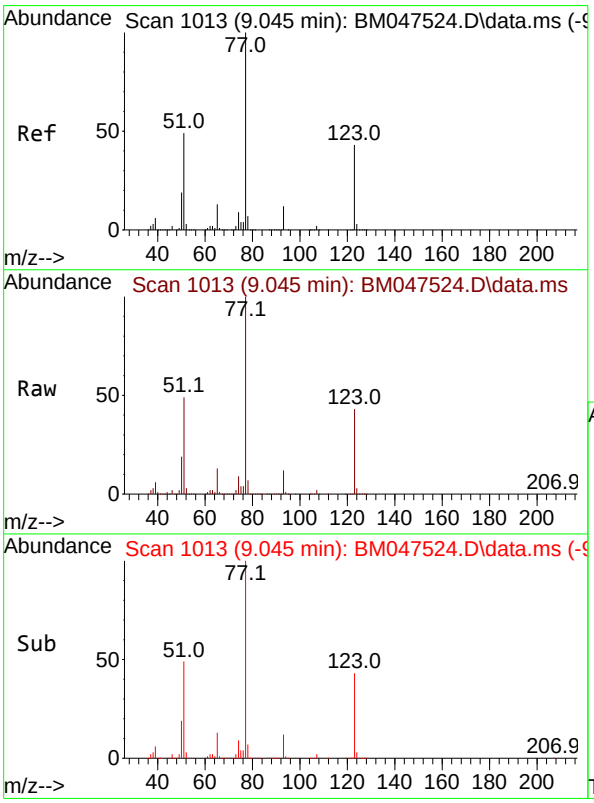
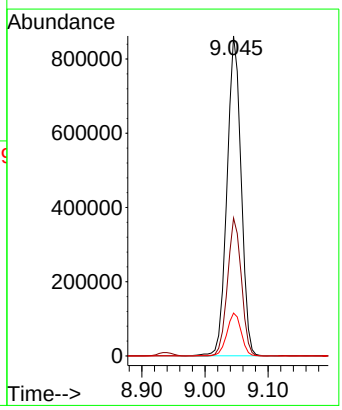


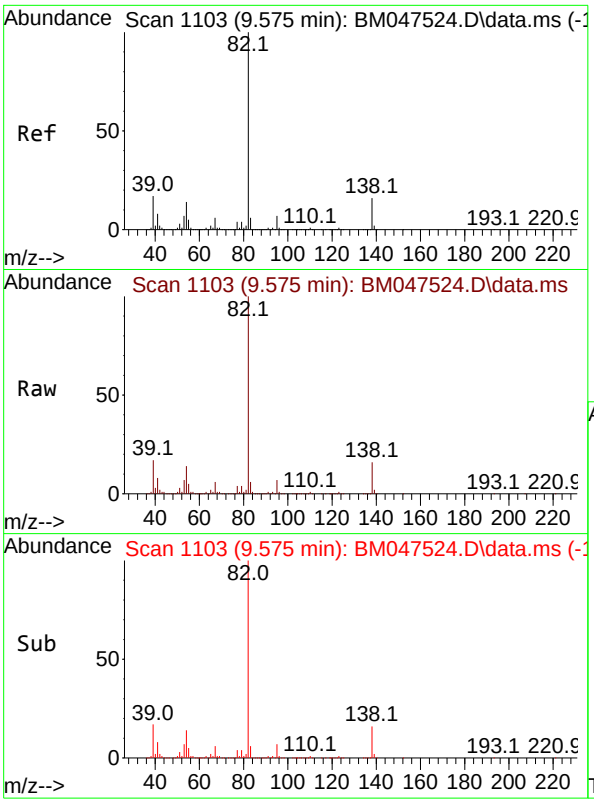


#24
Nitrobenzene
Concen: 40.229 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

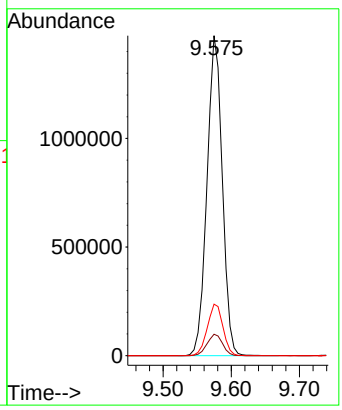




#25
Isophorone
Concen: 40.492 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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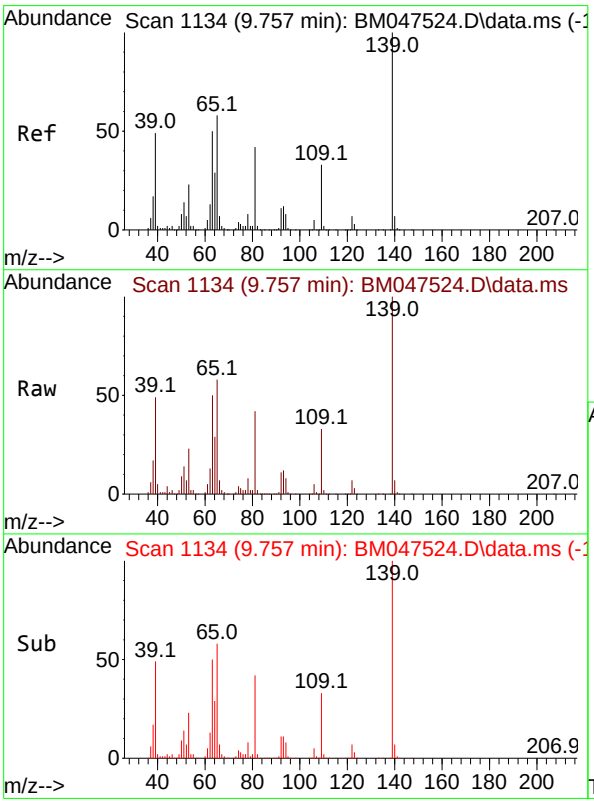
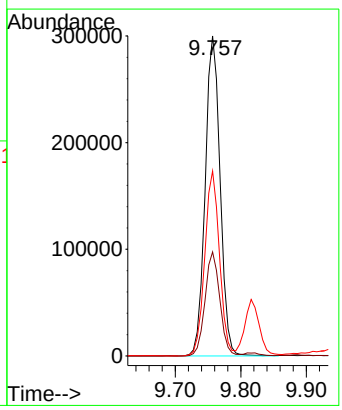
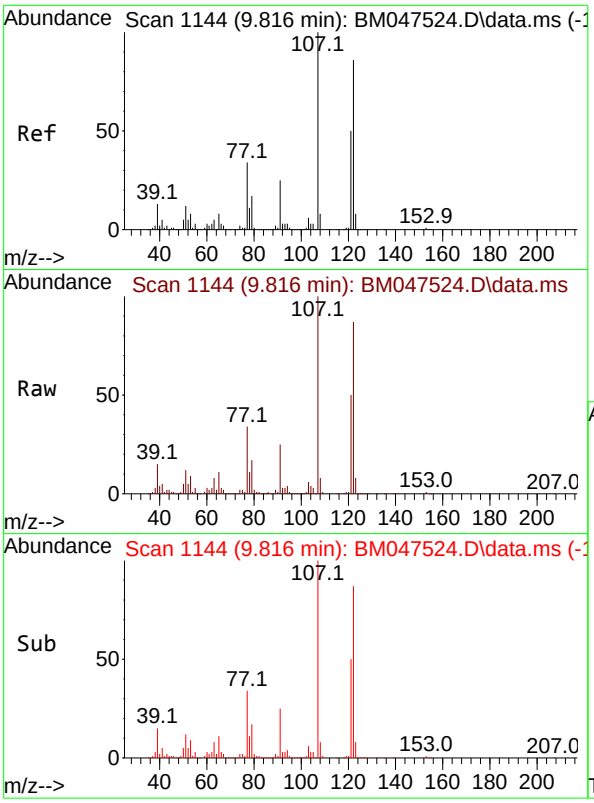


#26
2-Nitrophenol
Concen: 42.013 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

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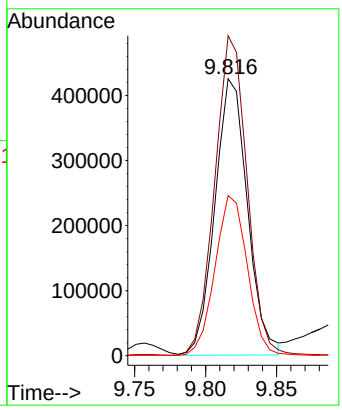
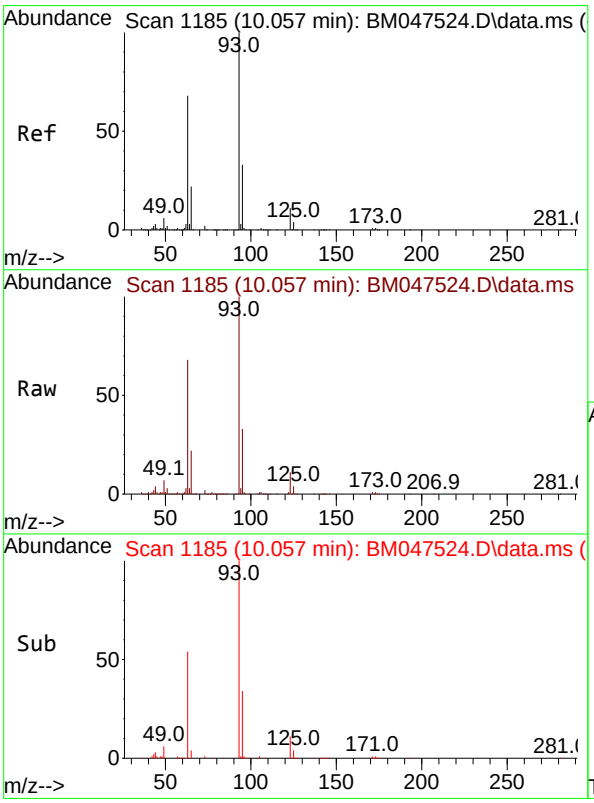
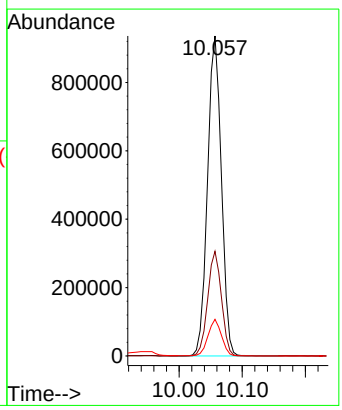


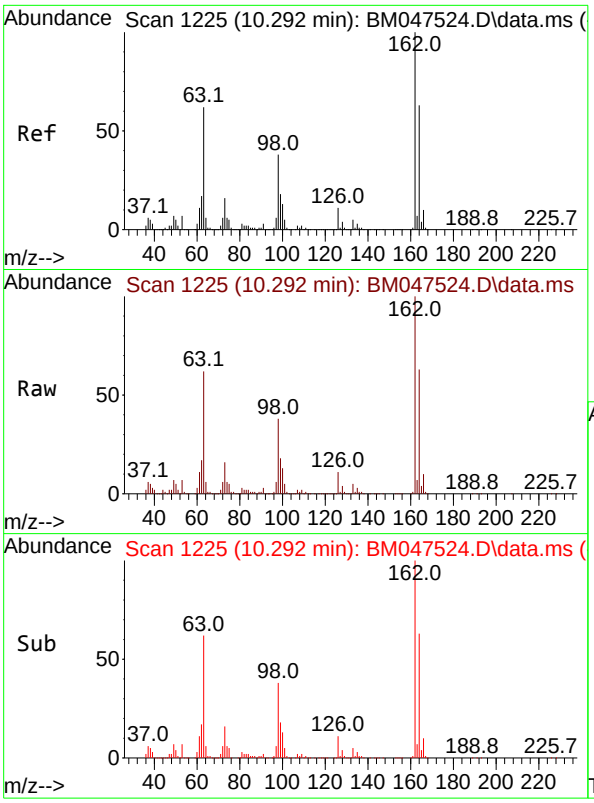


#28
bis(2-Chloroethoxy)methane
Concen: 39.933 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

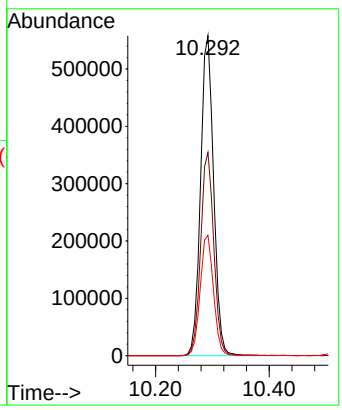




#29
2,4-Dichlorophenol
Concen: 40.842 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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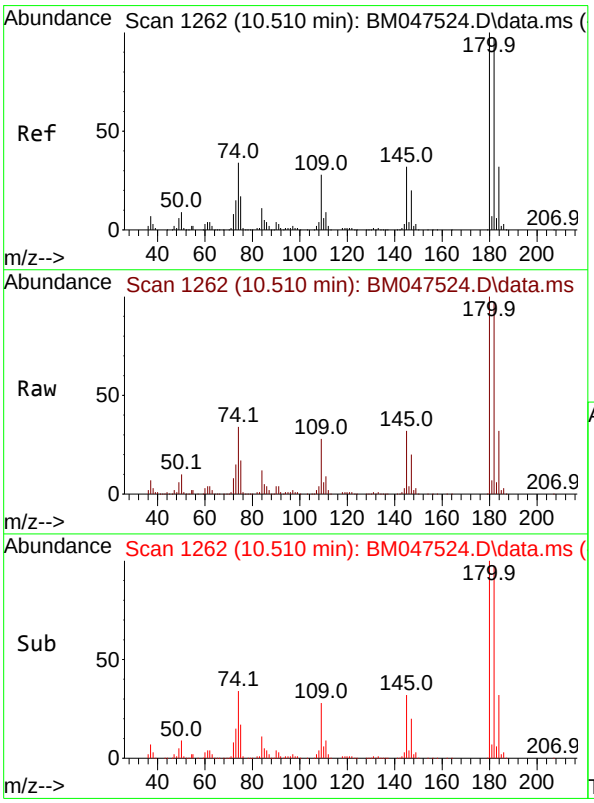
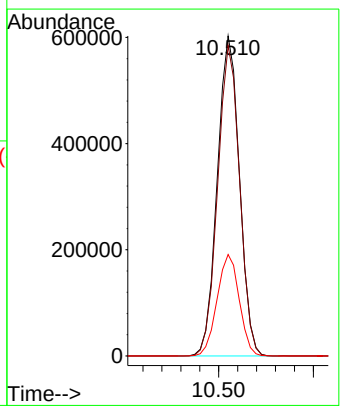
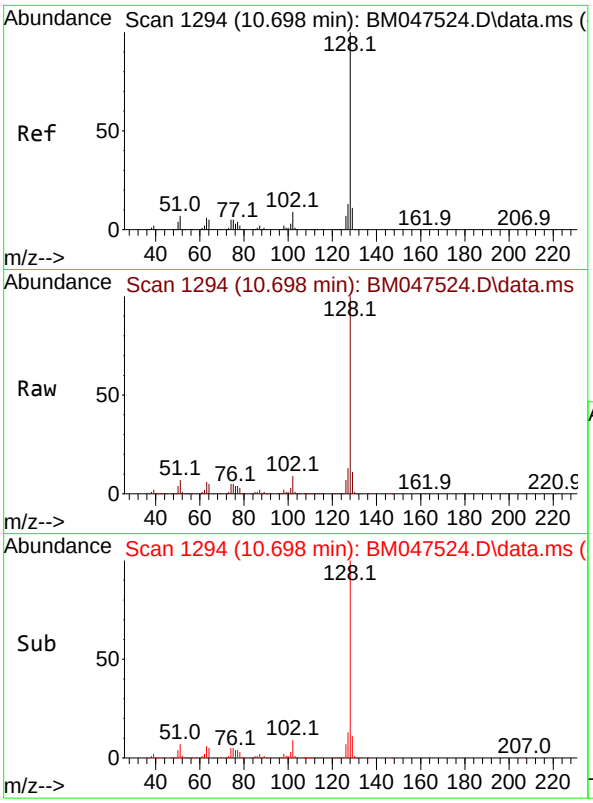


#30
1,2,4-Trichlorobenzene
Concen: 39.180 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

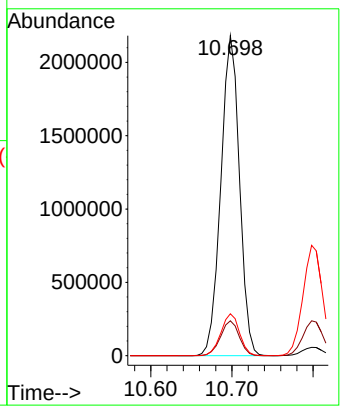




#31
Naphthalene
Concen: 39.874 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



Instrument :
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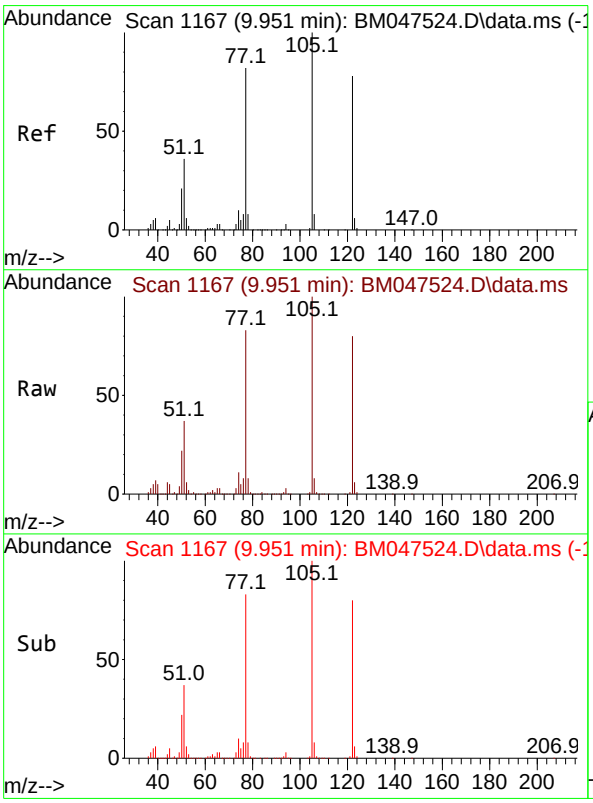
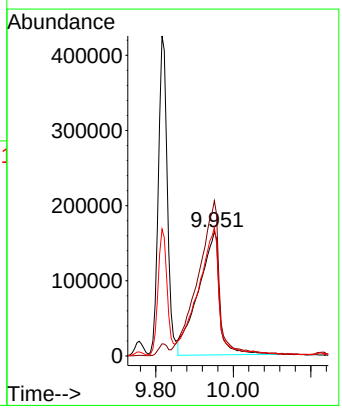
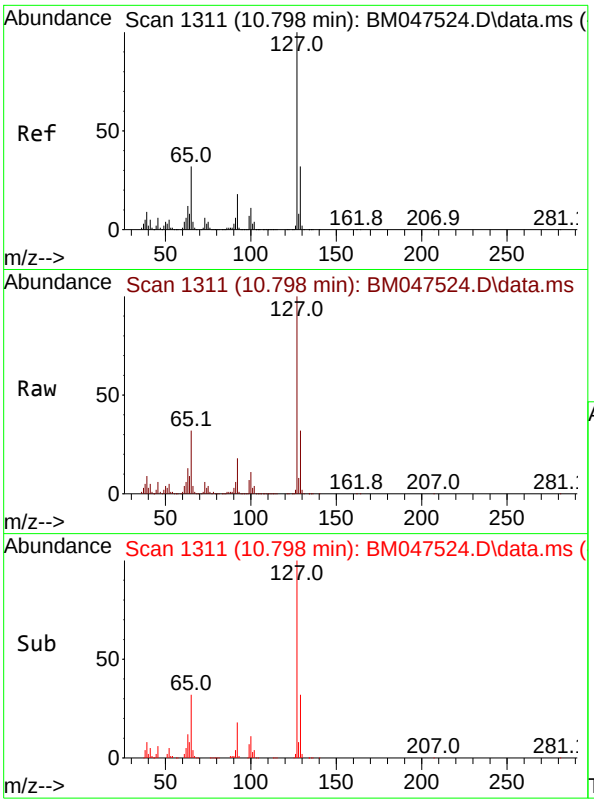


#32
Benzoic acid
Concen: 38.270 ng
RT: 9.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

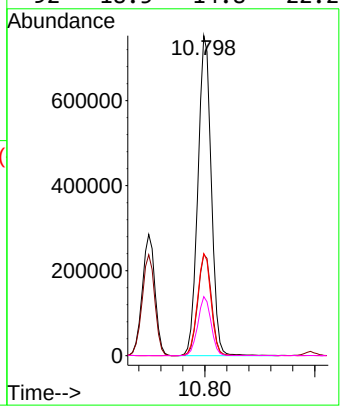




#33
4-Chloroaniline
Concen: 40.249 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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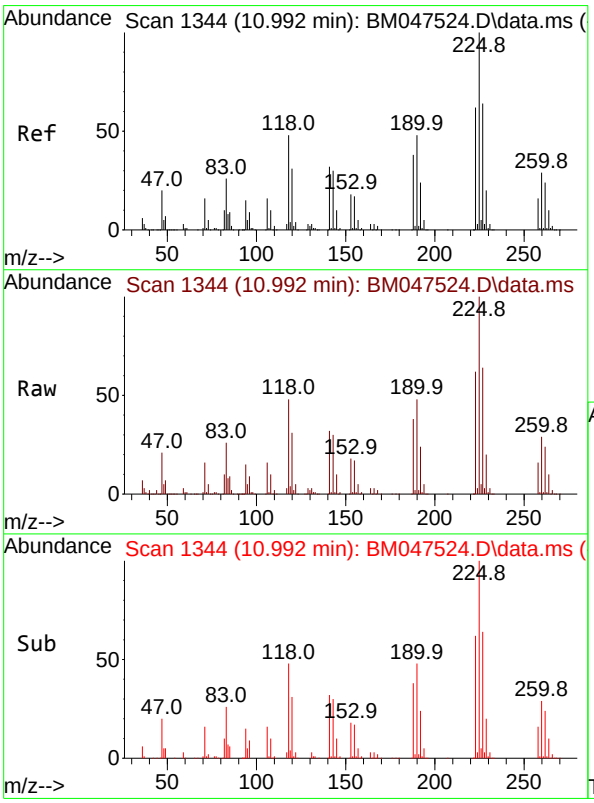
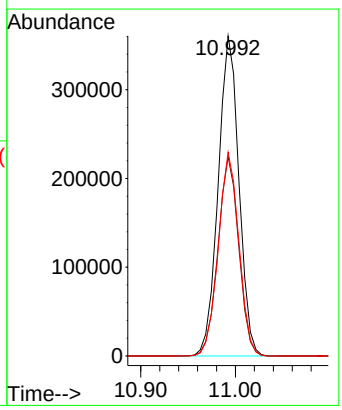
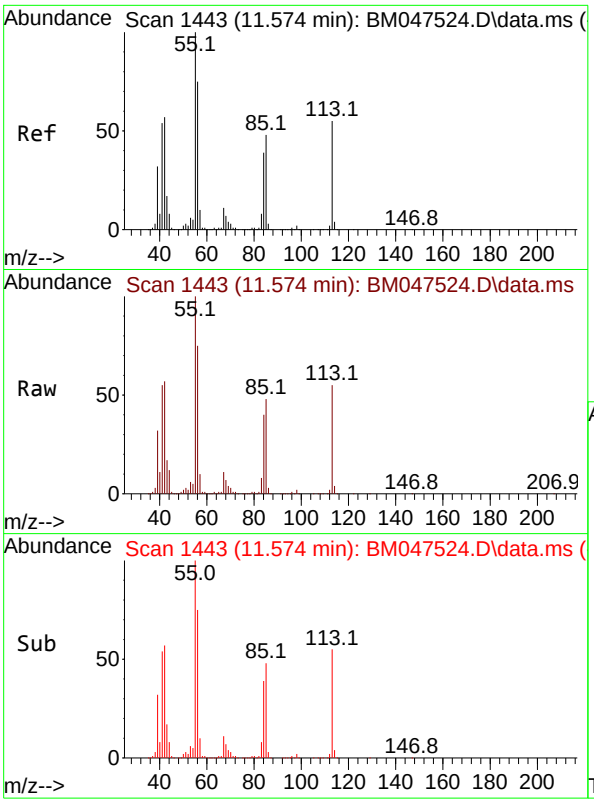


#34
Hexachlorobutadiene
Concen: 39.622 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

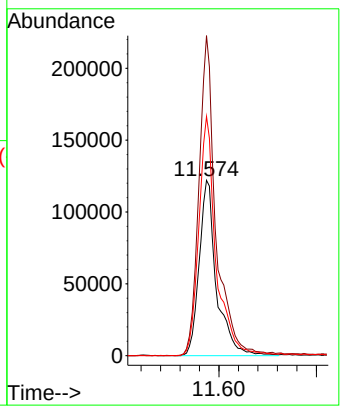




#35
Caprolactam
Concen: 42.014 ng
RT: 11.574 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



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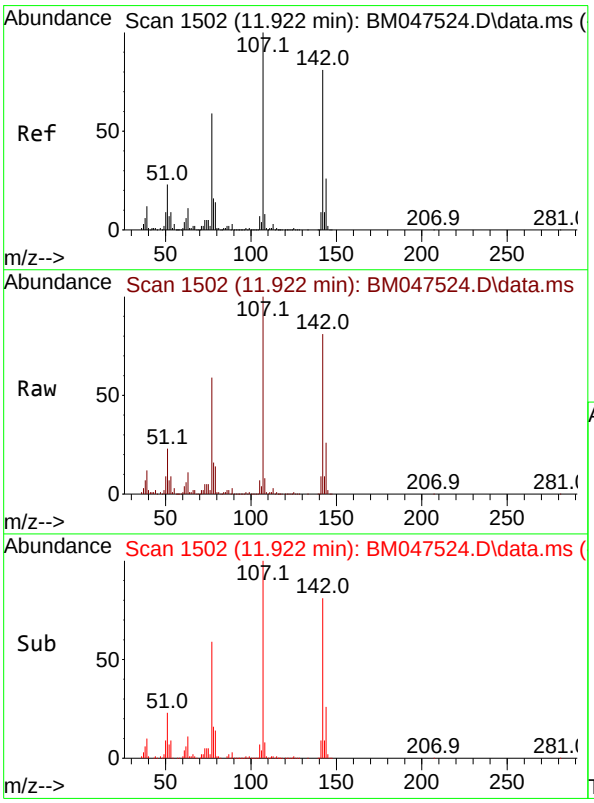
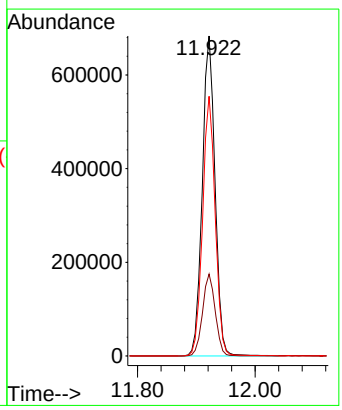
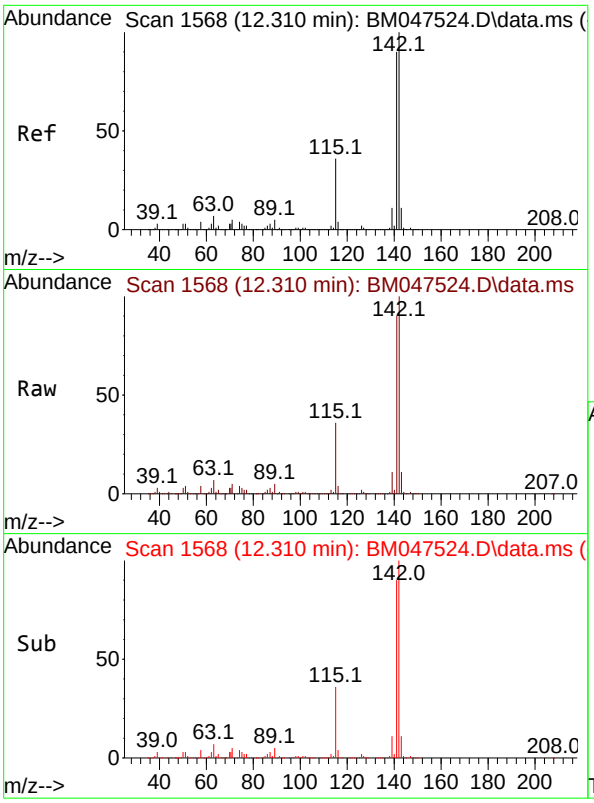


#36
4-Chloro-3-methylphenol
Concen: 41.207 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

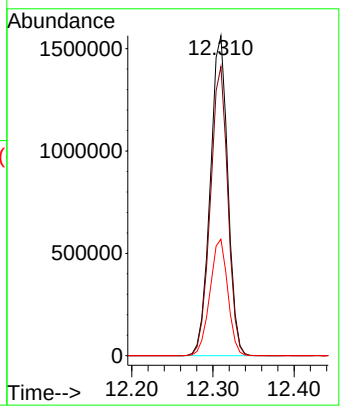




#37
2-Methylnaphthalene
Concen: 40.402 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



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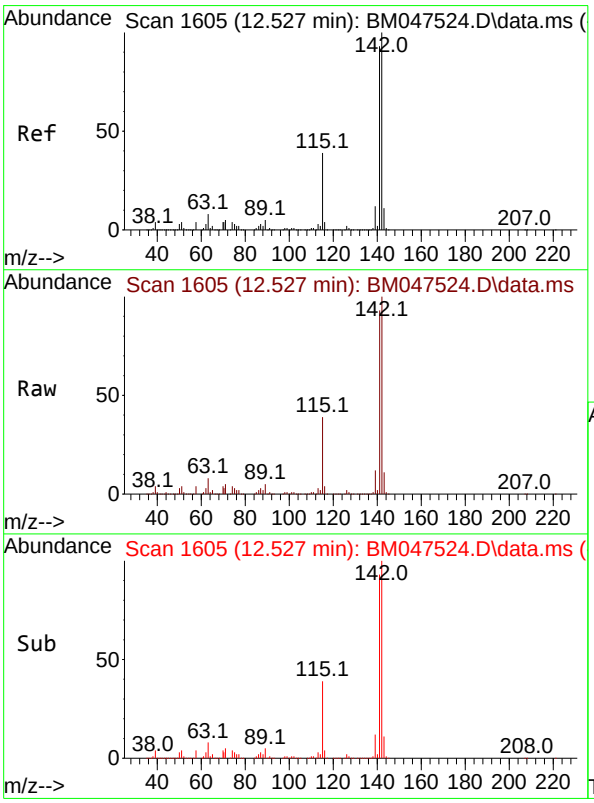
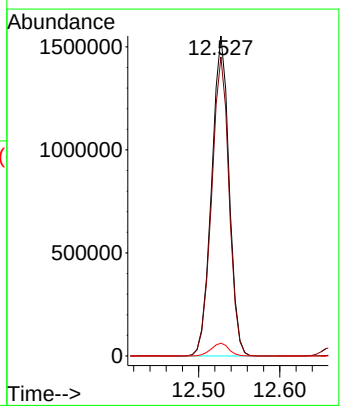
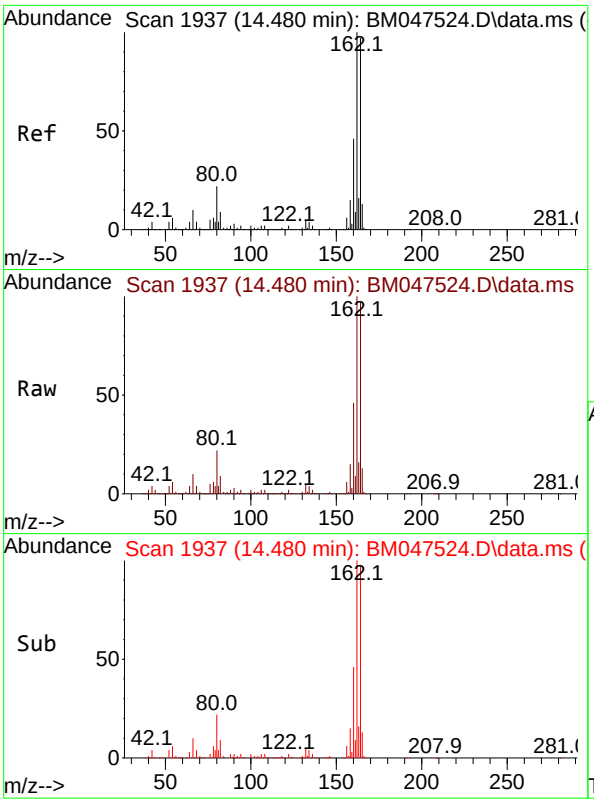


#38
1-Methylnaphthalene
Concen: 40.060 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

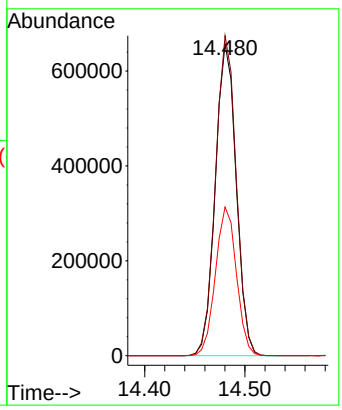




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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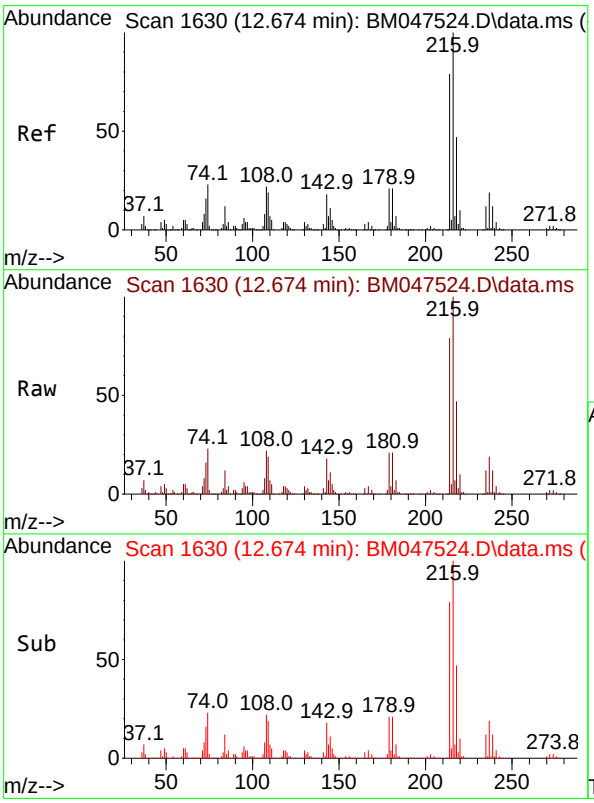
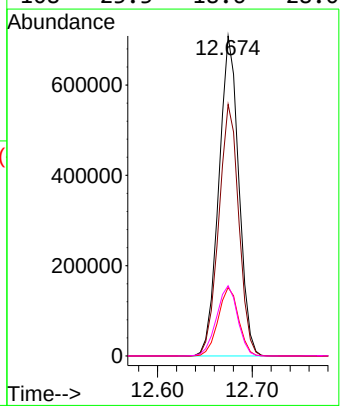
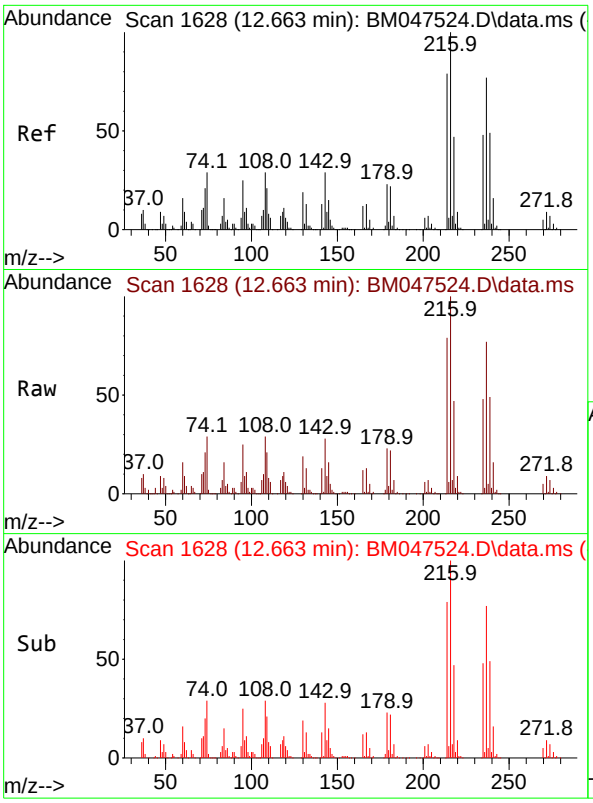


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.457 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

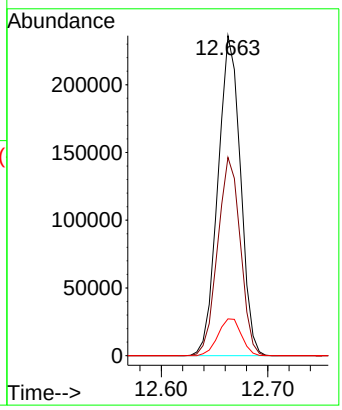




#41
Hexachlorocyclopentadiene
Concen: 41.288 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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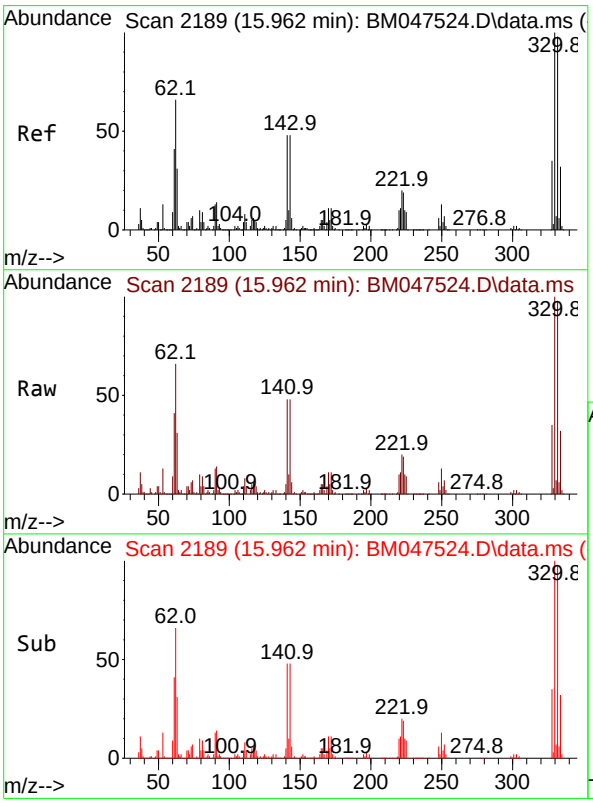
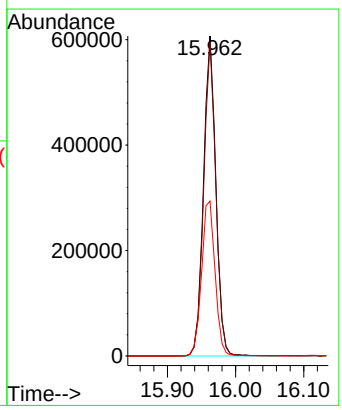
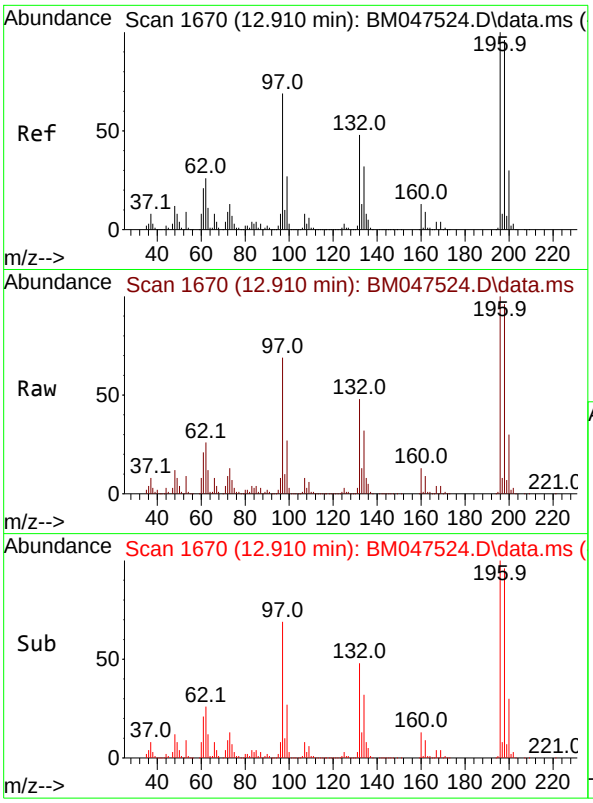


#42
2,4,6-Tribromophenol
Concen: 83.770 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

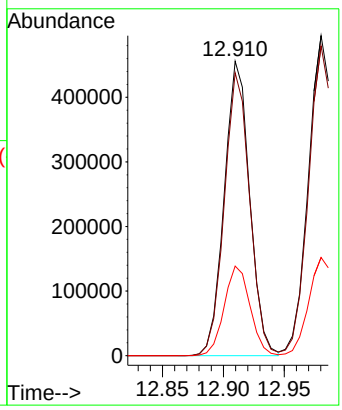




#43
2,4,6-Trichlorophenol
Concen: 41.294 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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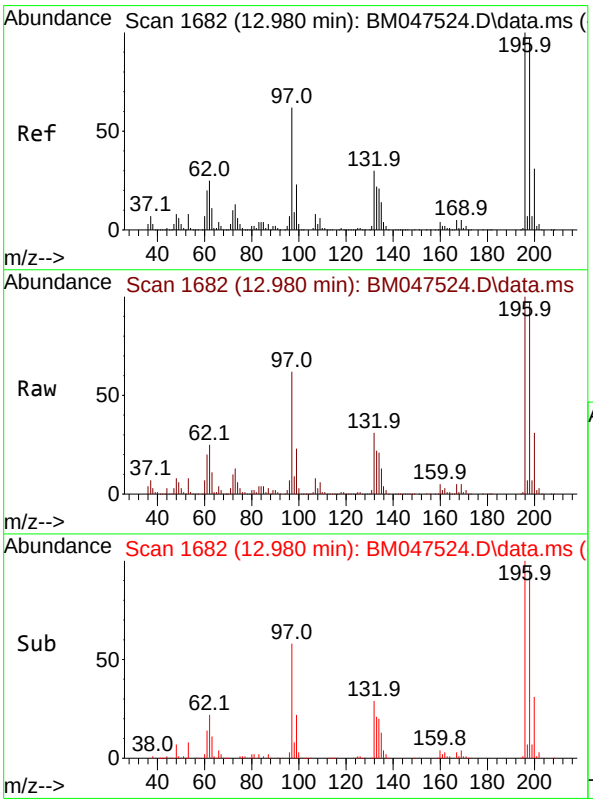
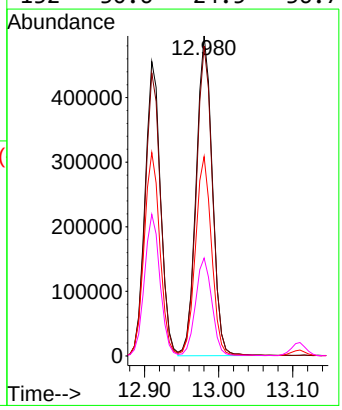
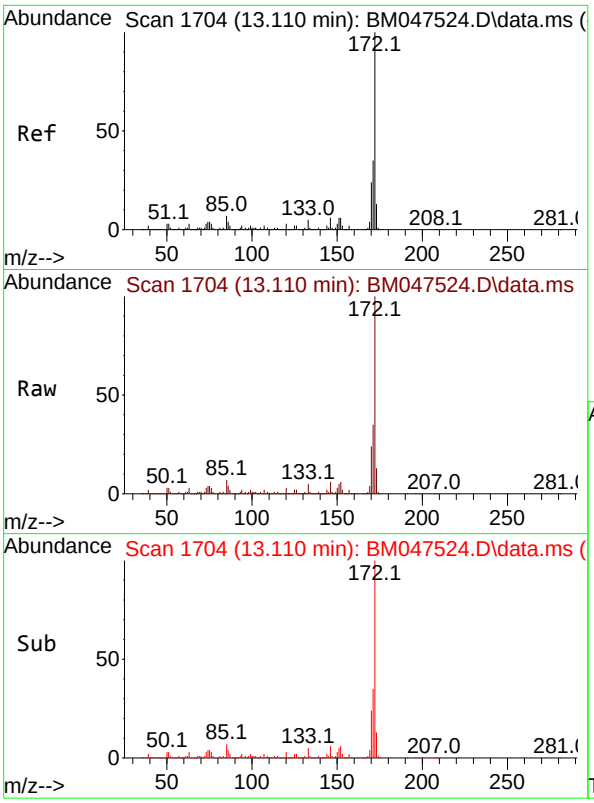


#44
2,4,5-Trichlorophenol
Concen: 41.284 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

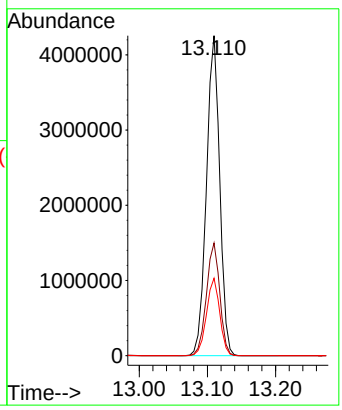




#45
2-Fluorobiphenyl
Concen: 83.482 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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 :
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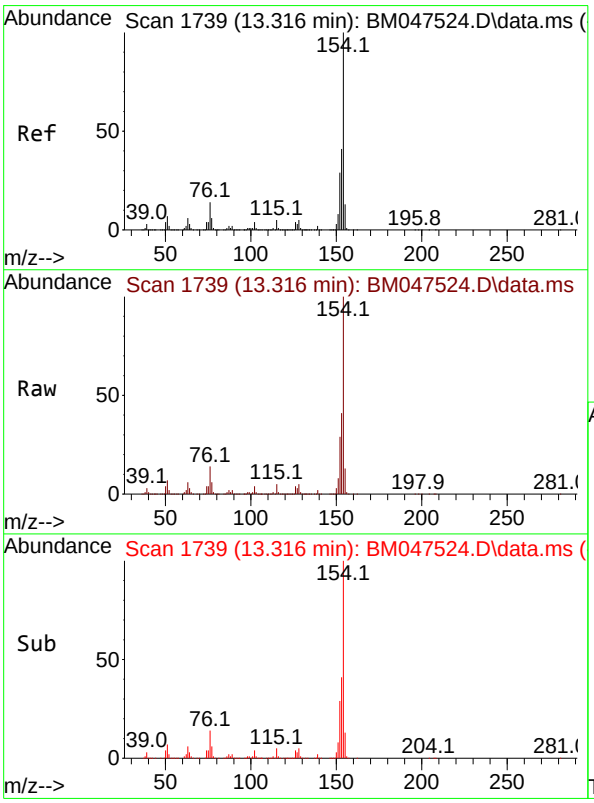
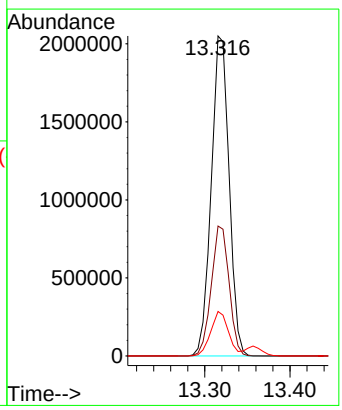
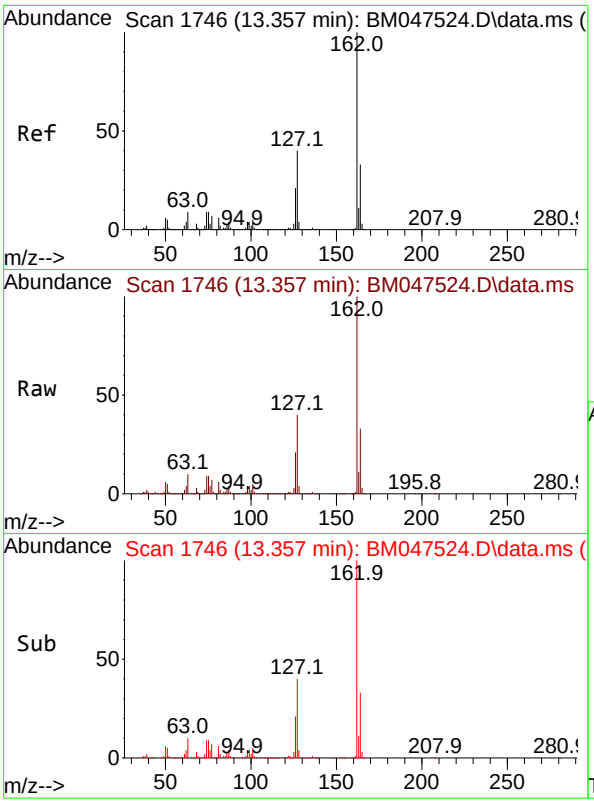


#46
1,1'-Biphenyl
Concen: 40.379 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

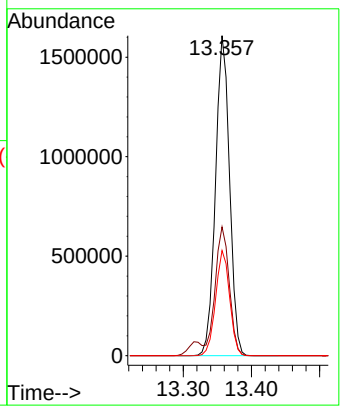




#47
2-Chloronaphthalene
Concen: 40.329 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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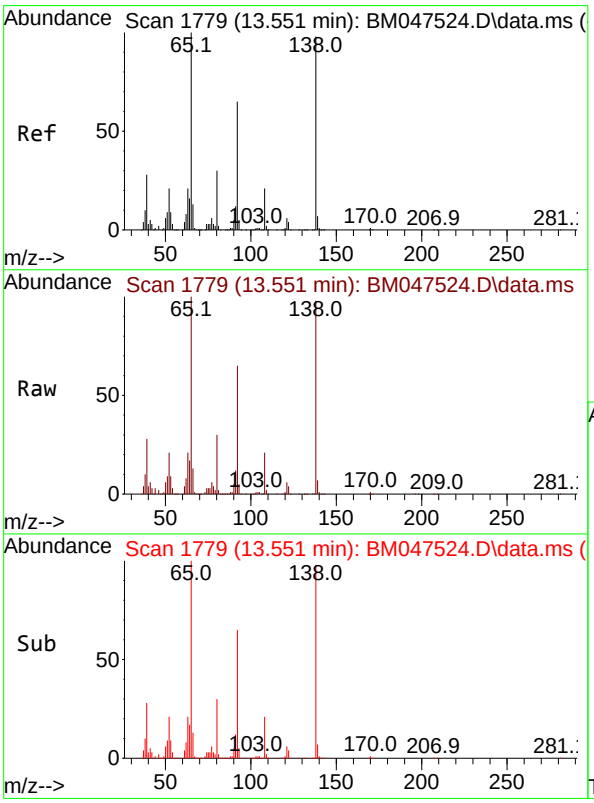
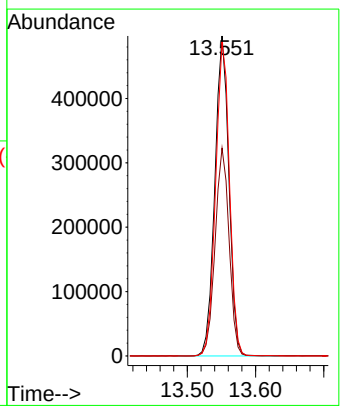
Supervised By :mohammad ahmed 09/17/2024

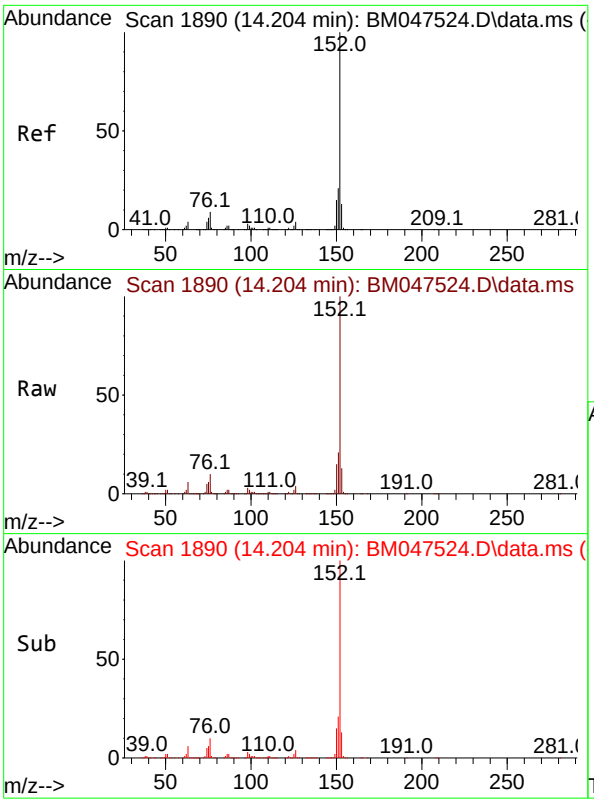


#48
2-Nitroaniline
Concen: 42.331 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

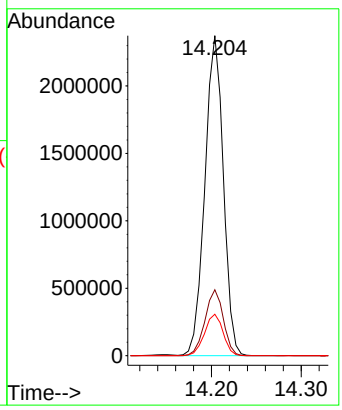




#49
Acenaphthylene
Concen: 41.020 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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 :
BNA_M
ClientSampleId :
SSTDICCC040

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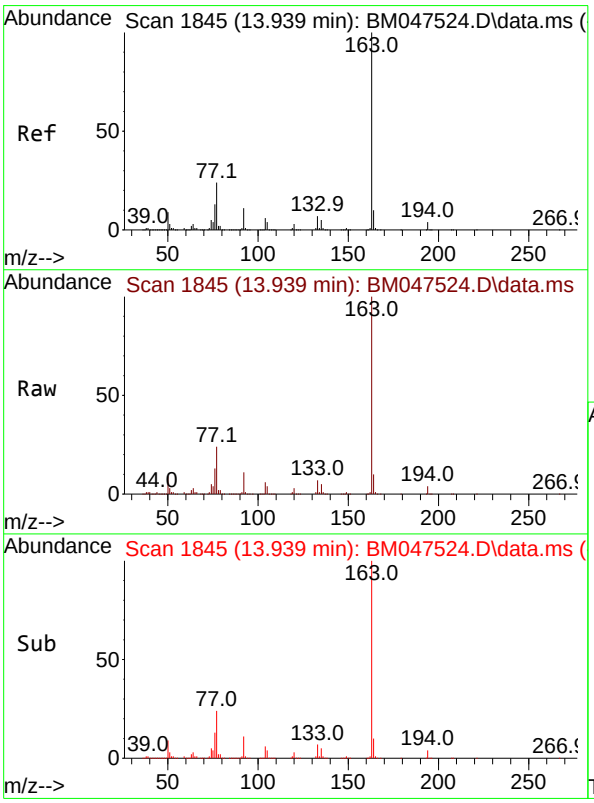
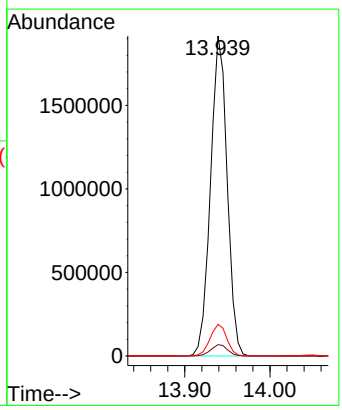
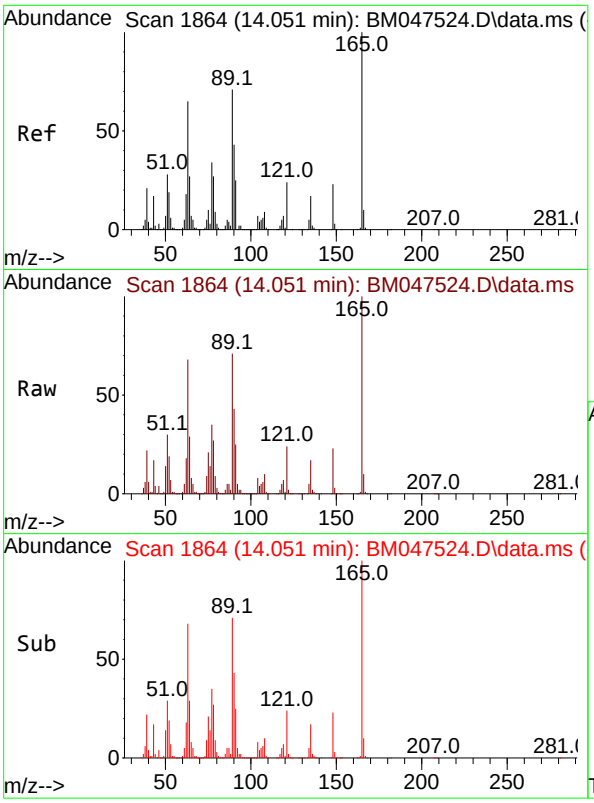


#50
Dimethylphthalate
Concen: 40.269 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

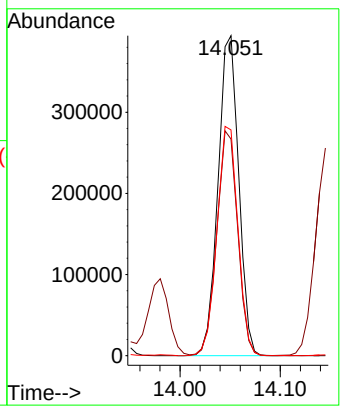




#51
2,6-Dinitrotoluene
Concen: 41.241 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



Instrument :
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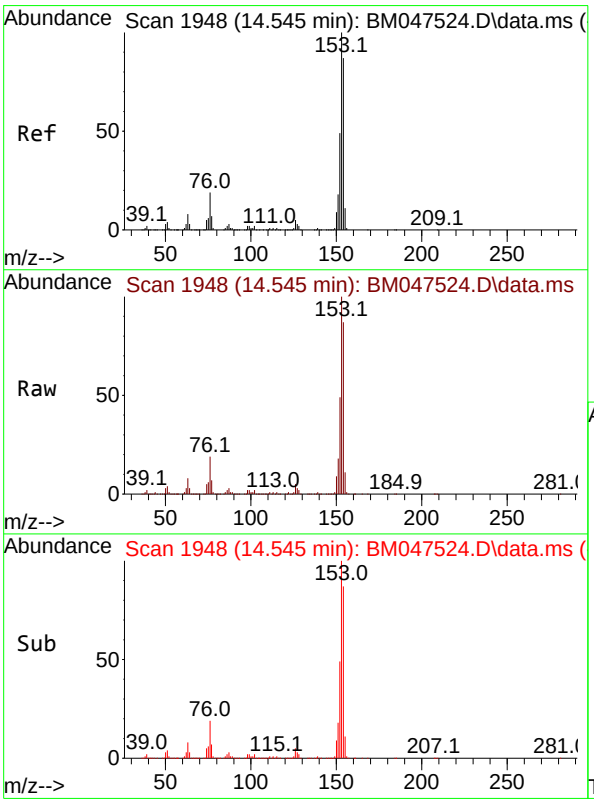
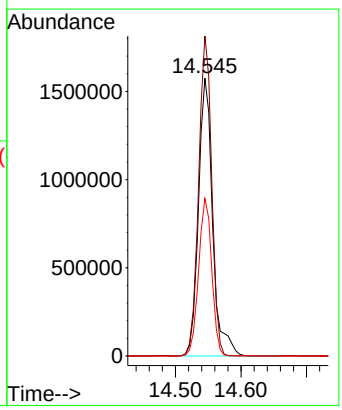
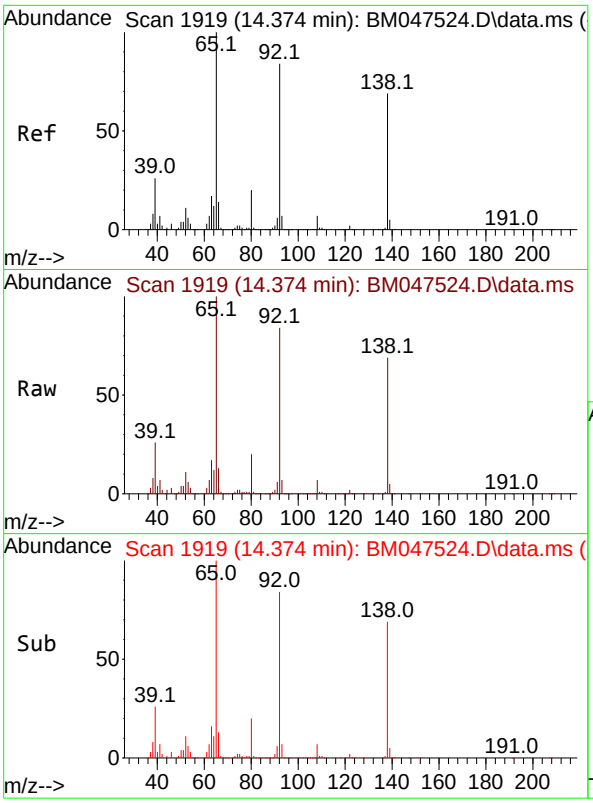


#52
Acenaphthene
Concen: 40.830 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

Instrument :
BNA_M
ClientSampleId :
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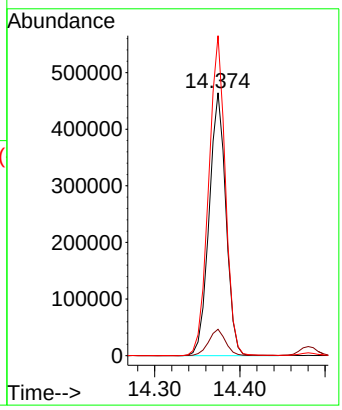
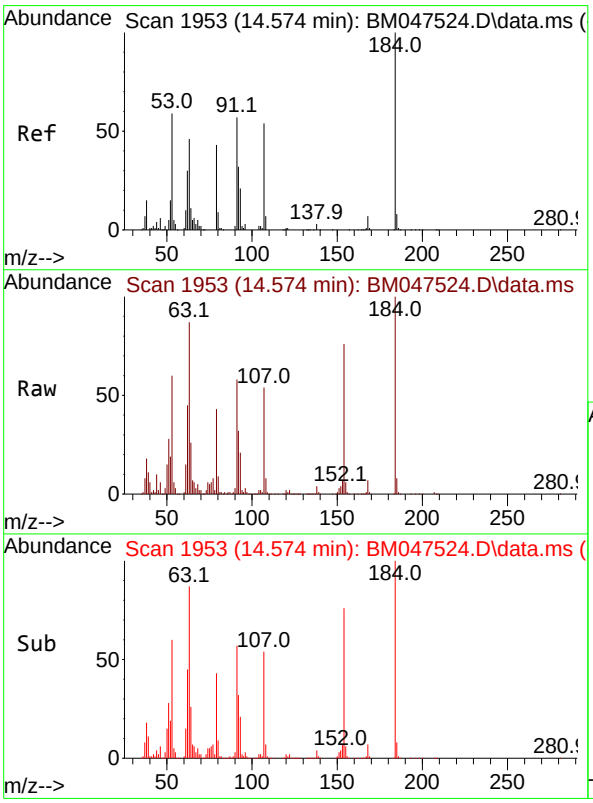
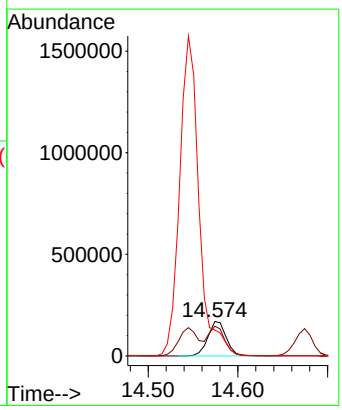


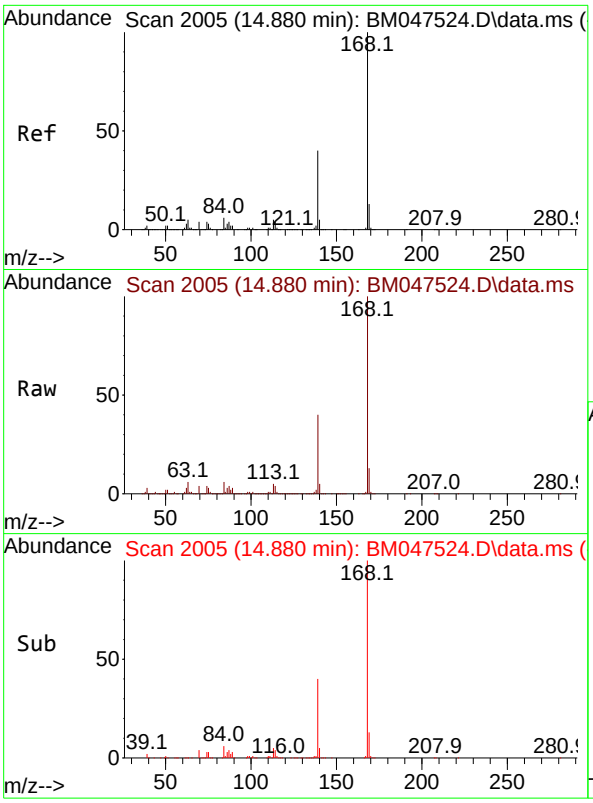


#54
2,4-Dinitrophenol
Concen: 40.526 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

Instrument :
BNA_M
ClientSampleId :
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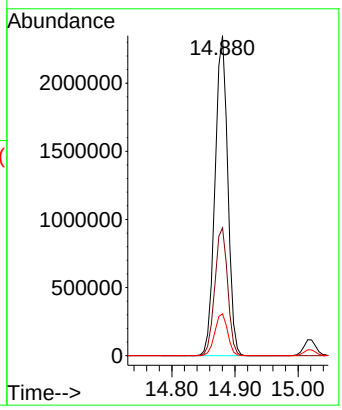
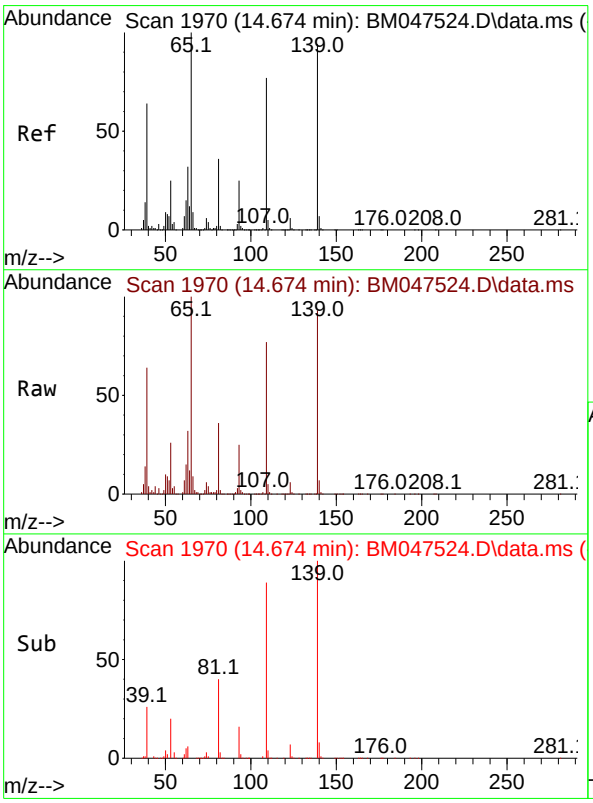
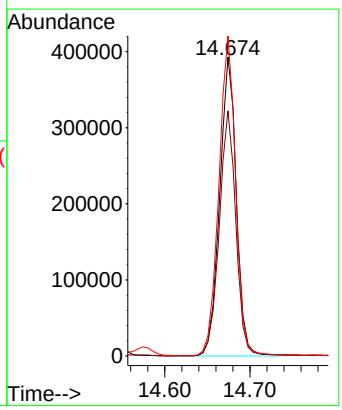


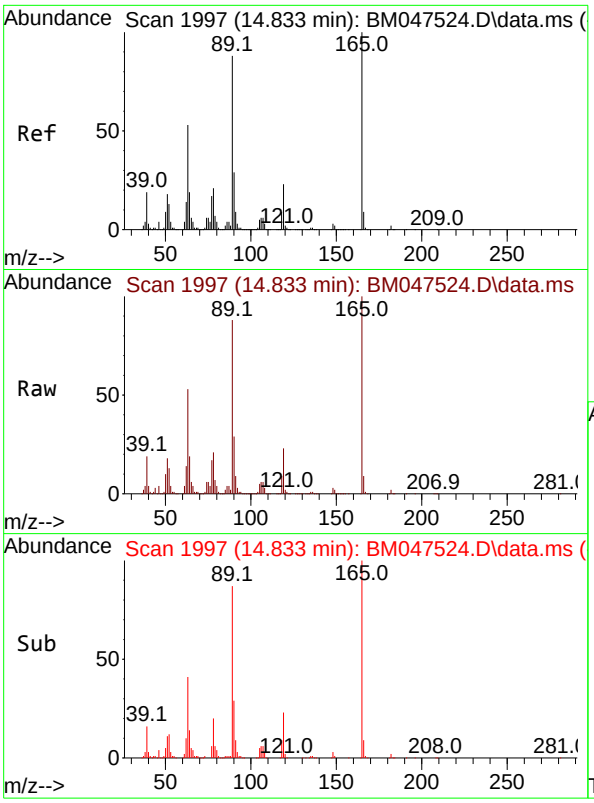


#56
4-Nitrophenol
Concen: 42.781 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

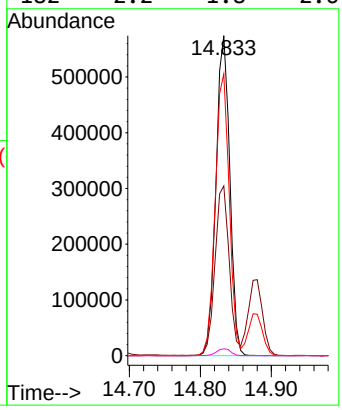




#57
2,4-Dinitrotoluene
Concen: 42.471 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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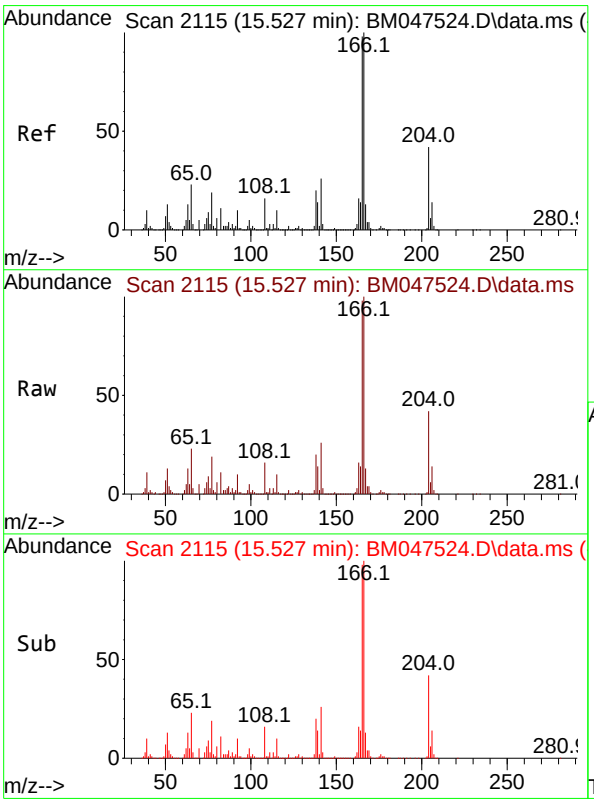
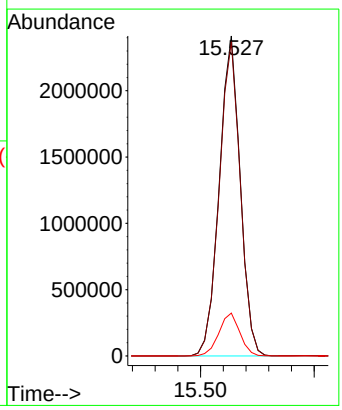
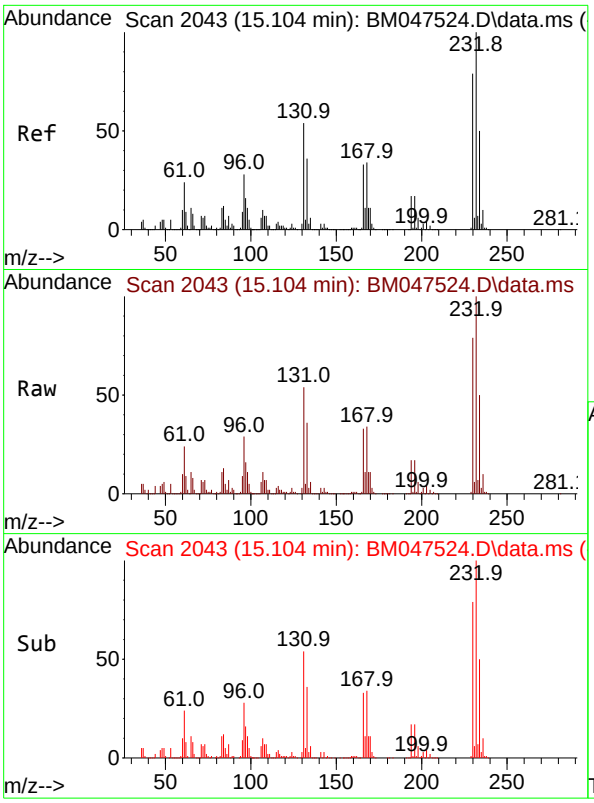


#58
Fluorene
Concen: 42.182 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

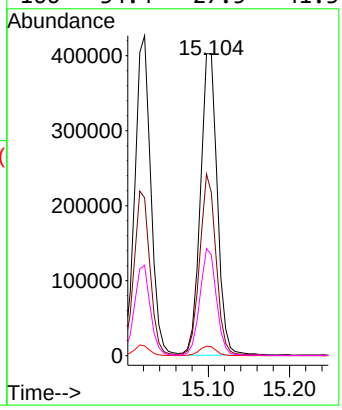




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.011 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



Instrument :
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ClientSampleId :
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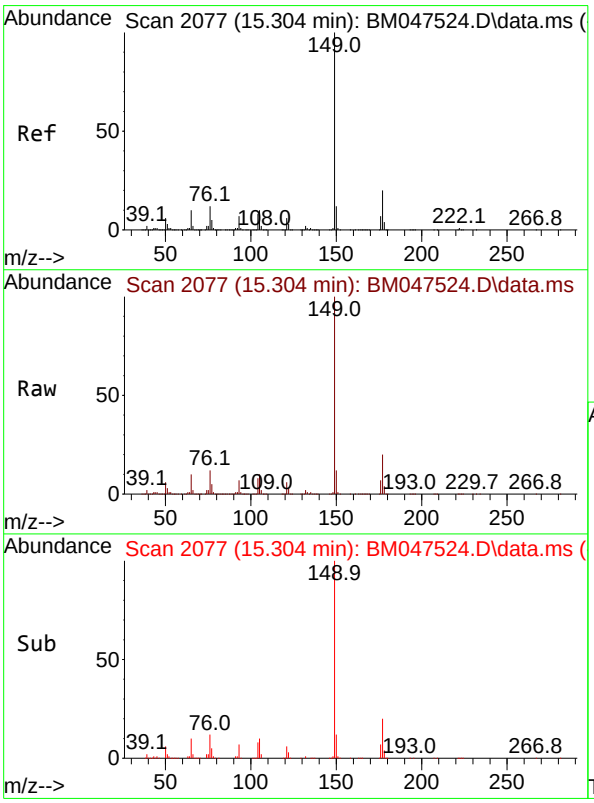
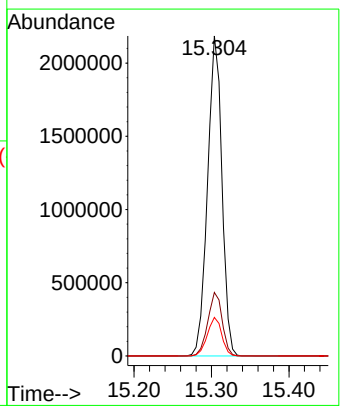
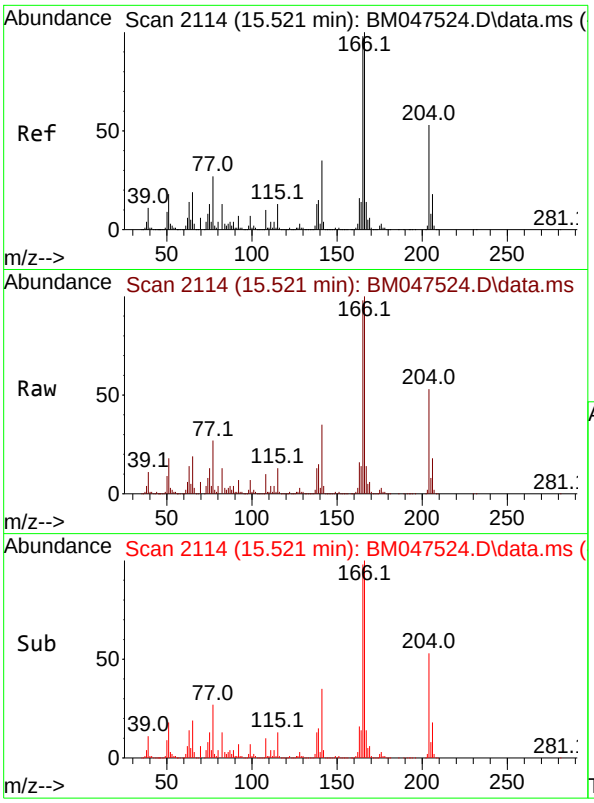


#60
Diethylphthalate
Concen: 40.869 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

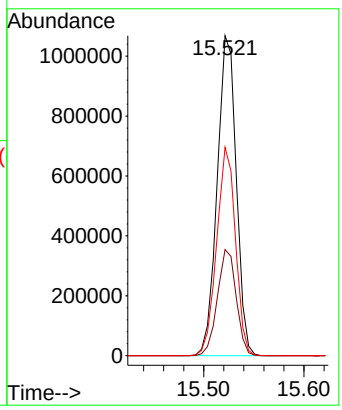




#61
4-Chlorophenyl-phenylether
Concen: 42.091 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



Instrument :
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ClientSampleId :
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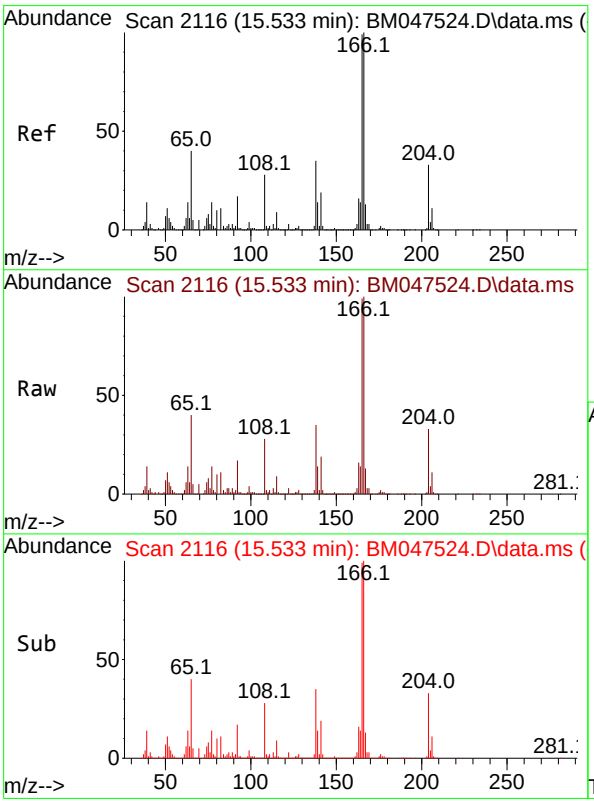
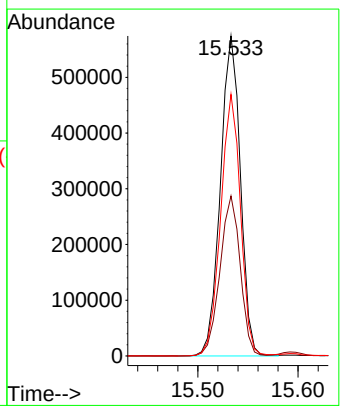
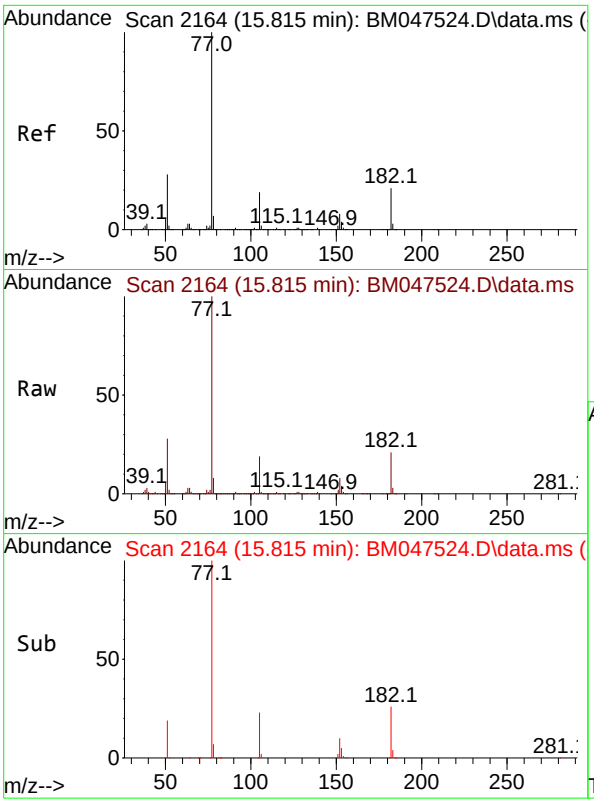


#62
4-Nitroaniline
Concen: 44.661 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

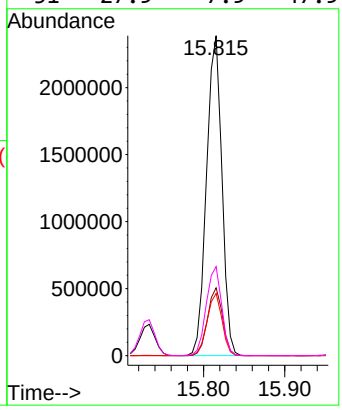




#63
Azobenzene
Concen: 41.412 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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



Instrument :
BNA_M
ClientSampleId :
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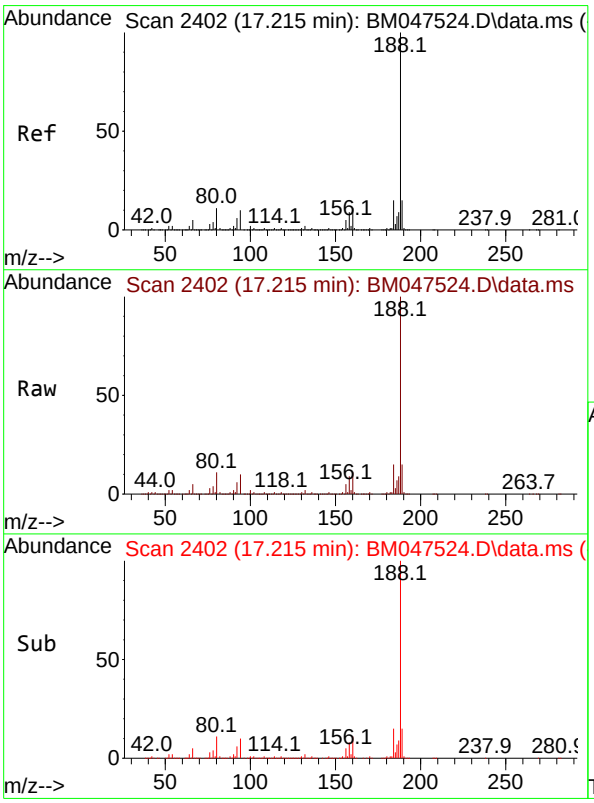
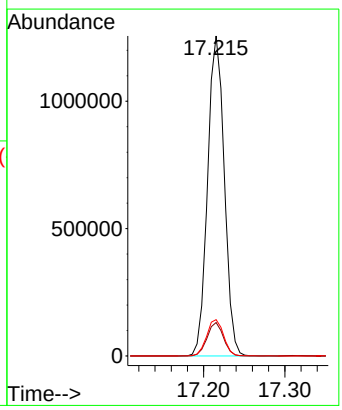
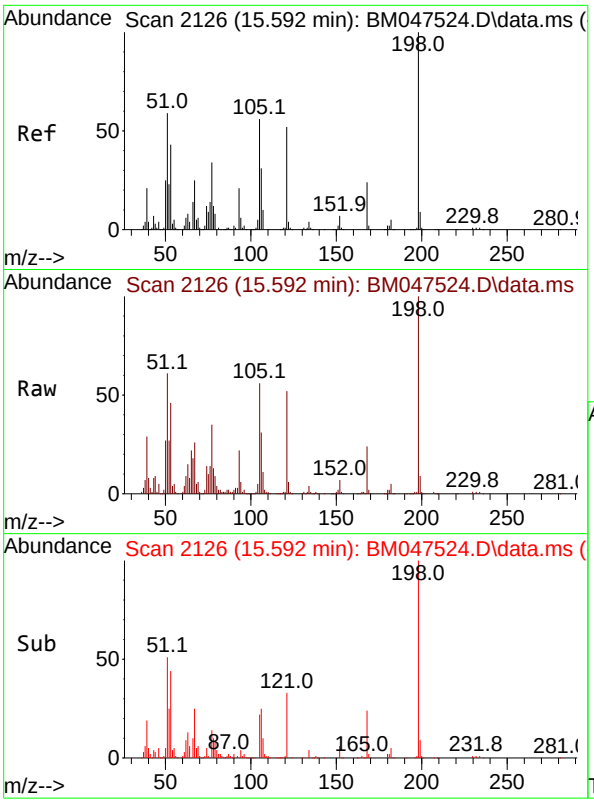


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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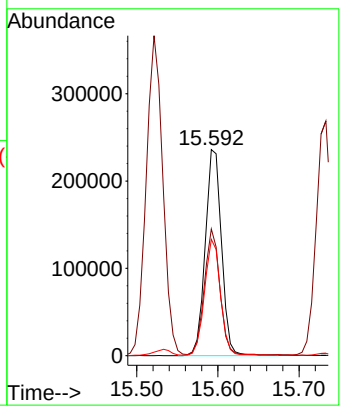
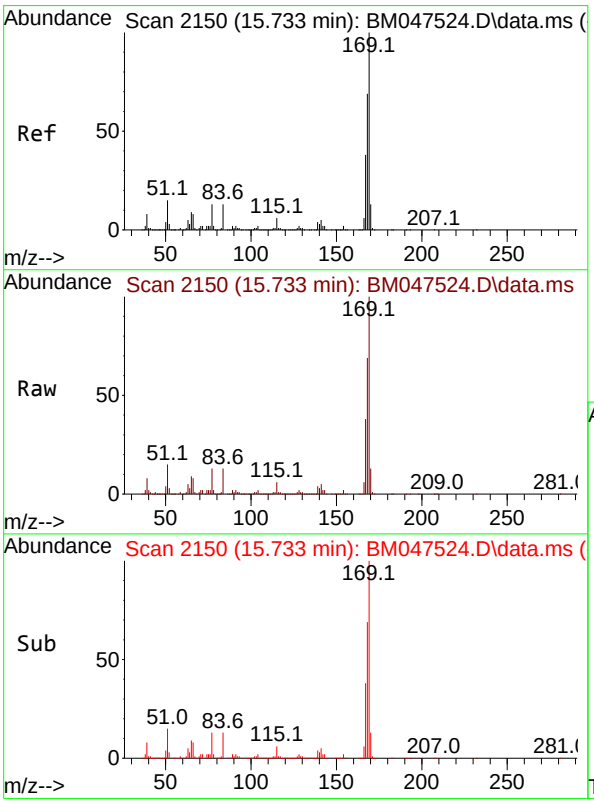
Supervised By :mohammad ahmed 09/17/2024

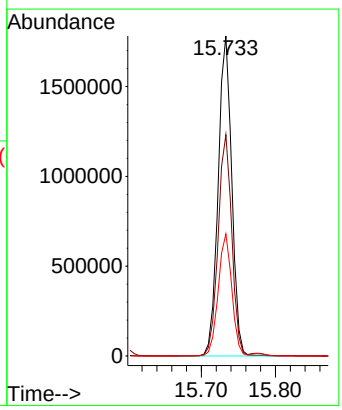


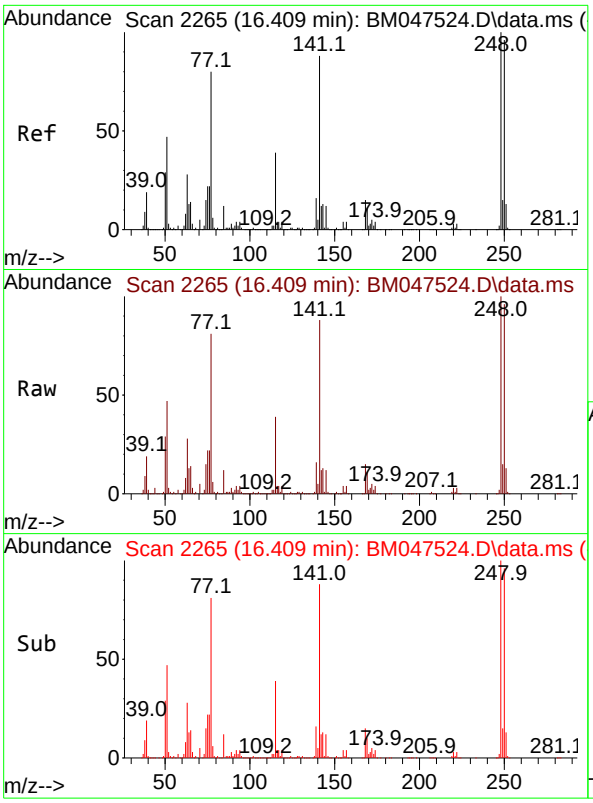


#66
n-Nitrosodiphenylamine
Concen: 41.340 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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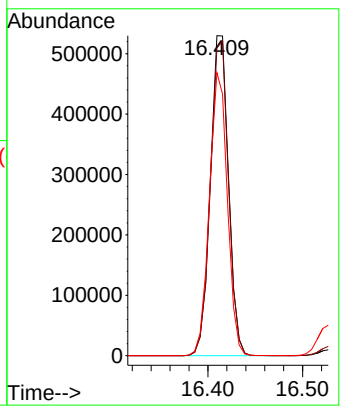
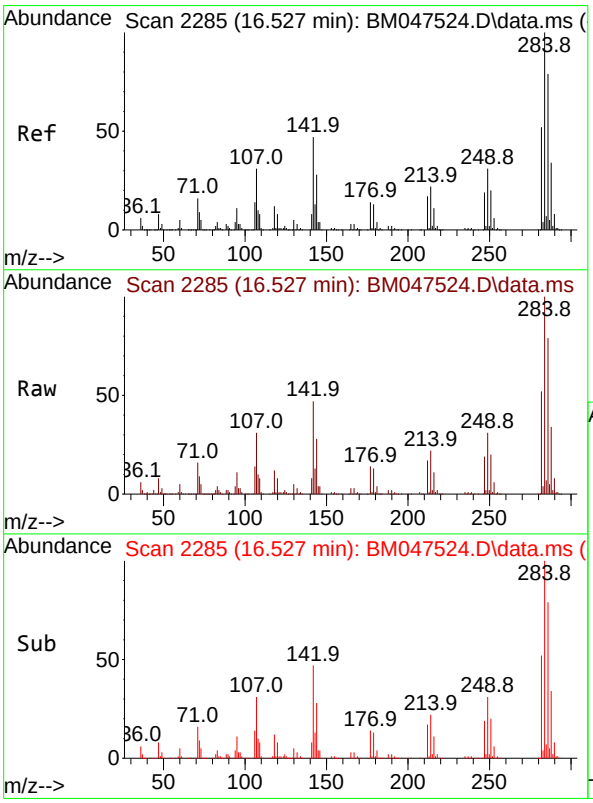
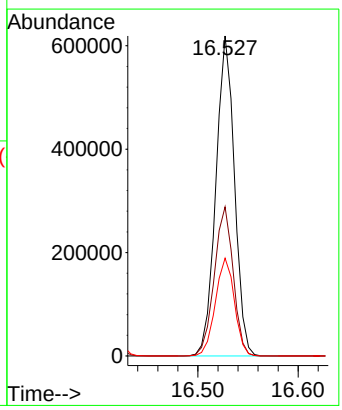


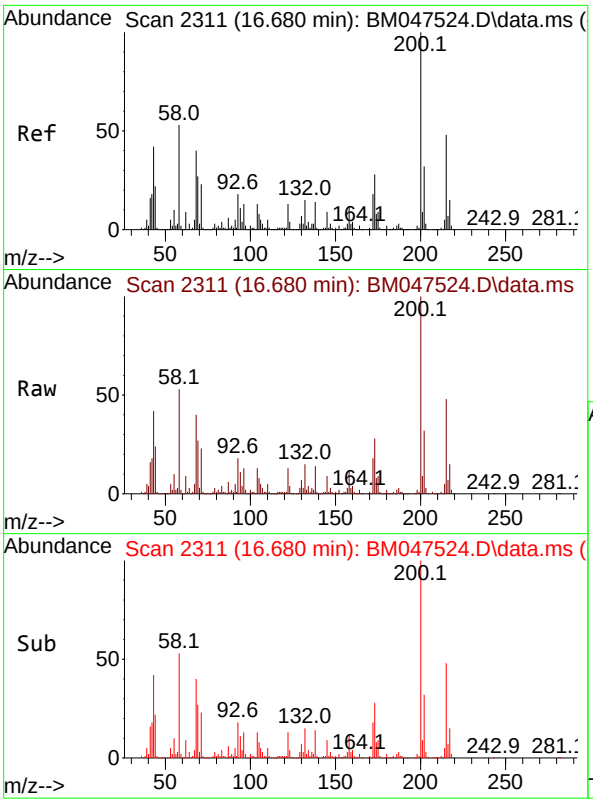


#68
Hexachlorobenzene
Concen: 40.352 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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 :
BNA_M
ClientSampleId :
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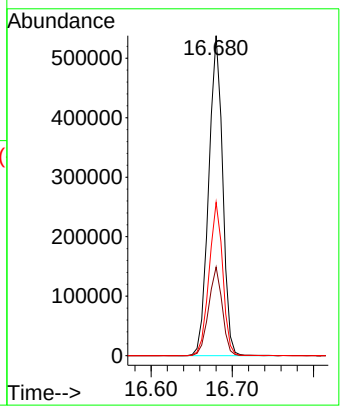
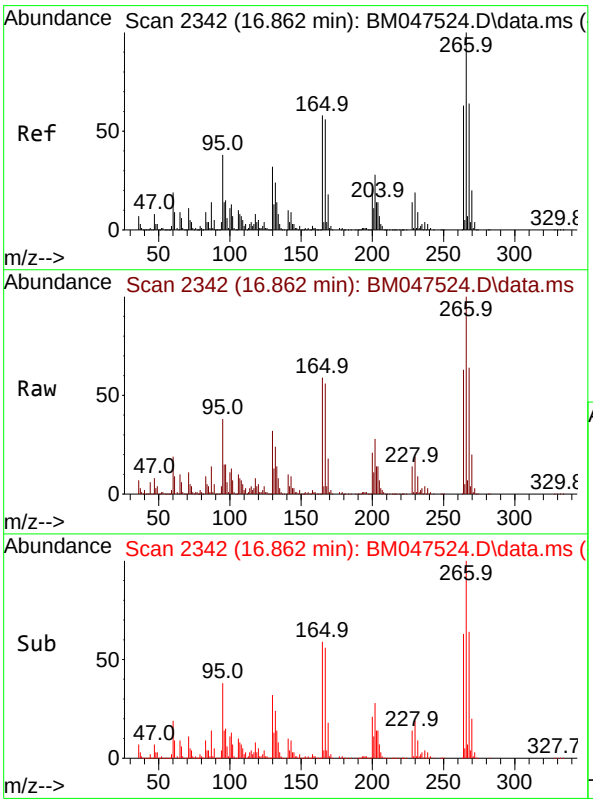
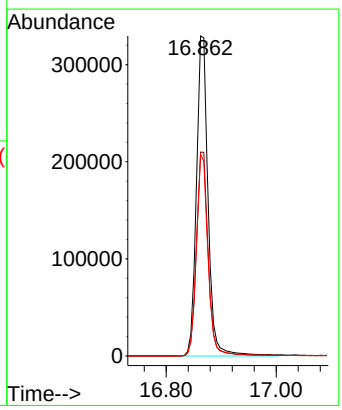


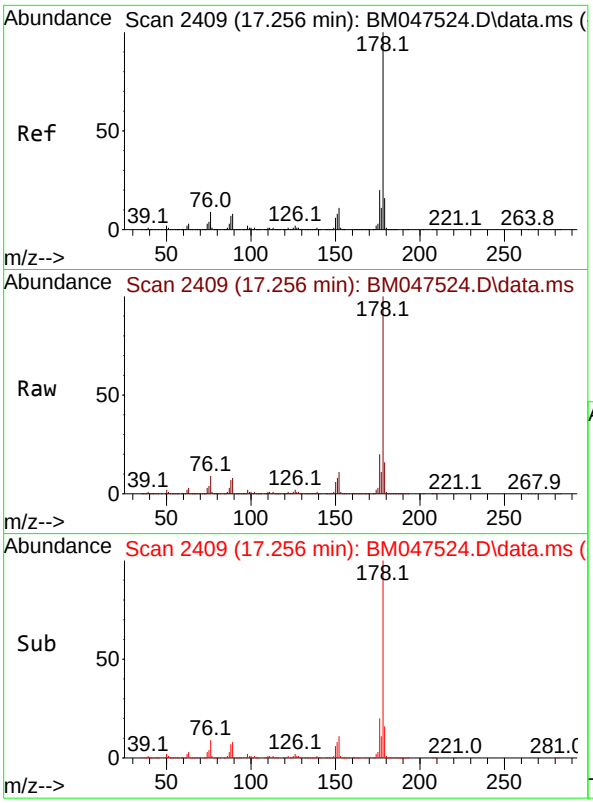


#70
Pentachlorophenol
Concen: 42.523 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

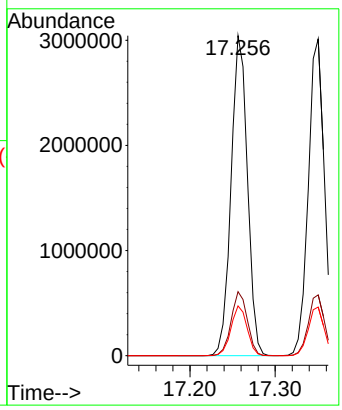




#71
Phenanthrene
Concen: 41.163 ng
RT: 17.256 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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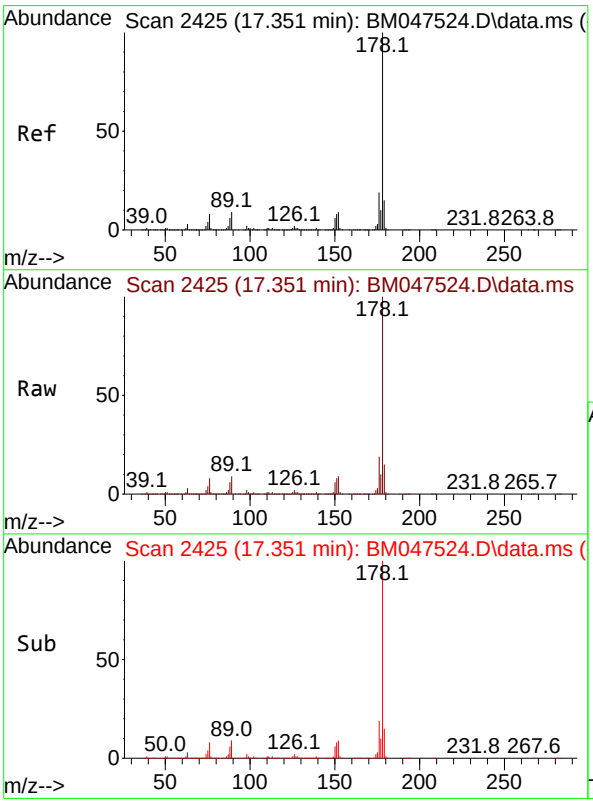
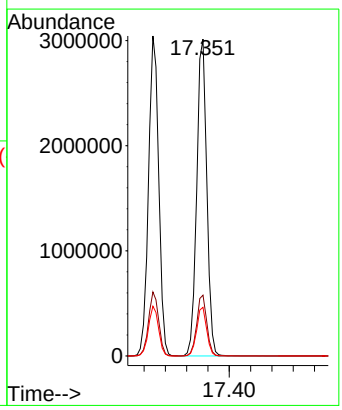
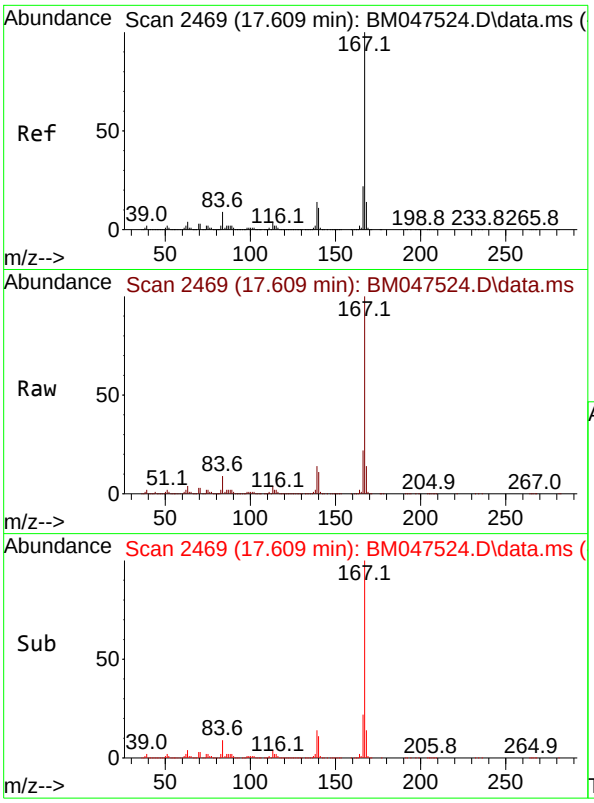


#72
Anthracene
Concen: 41.695 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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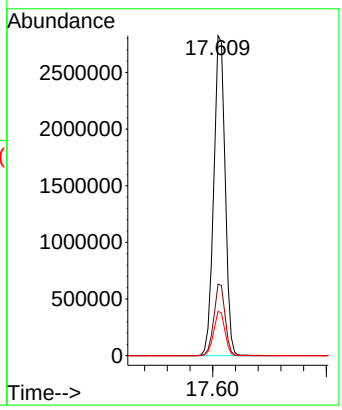
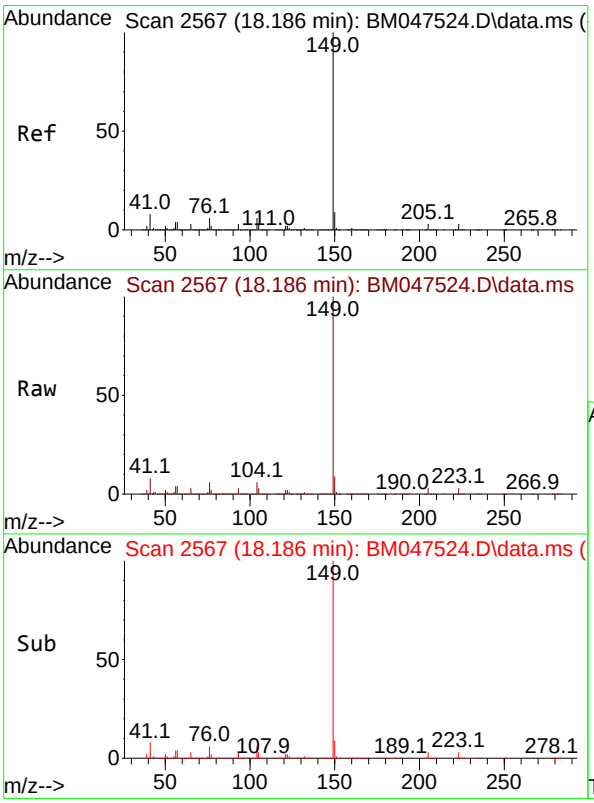
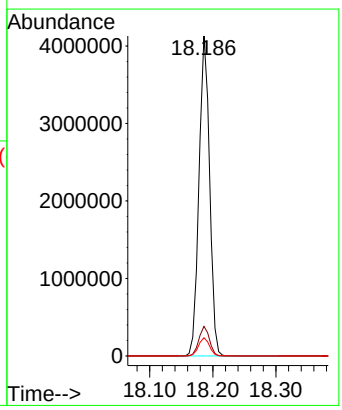


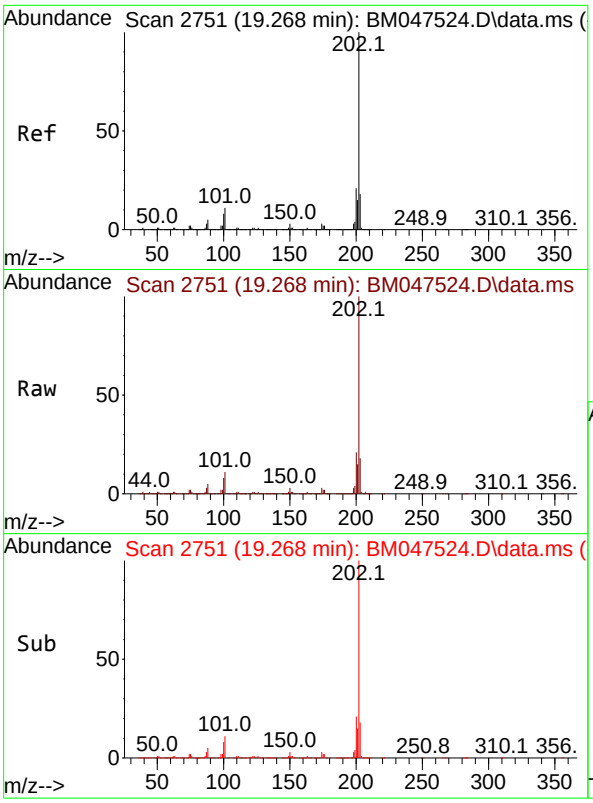


#74
Di-n-butylphthalate
Concen: 42.689 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

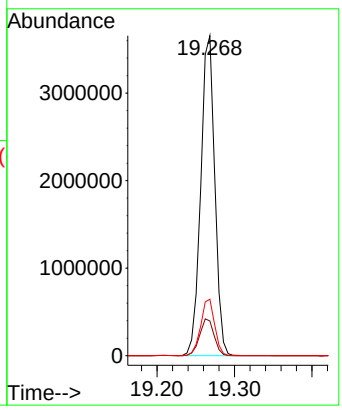




#75
Fluoranthene
Concen: 42.622 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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 :
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ClientSampleId :
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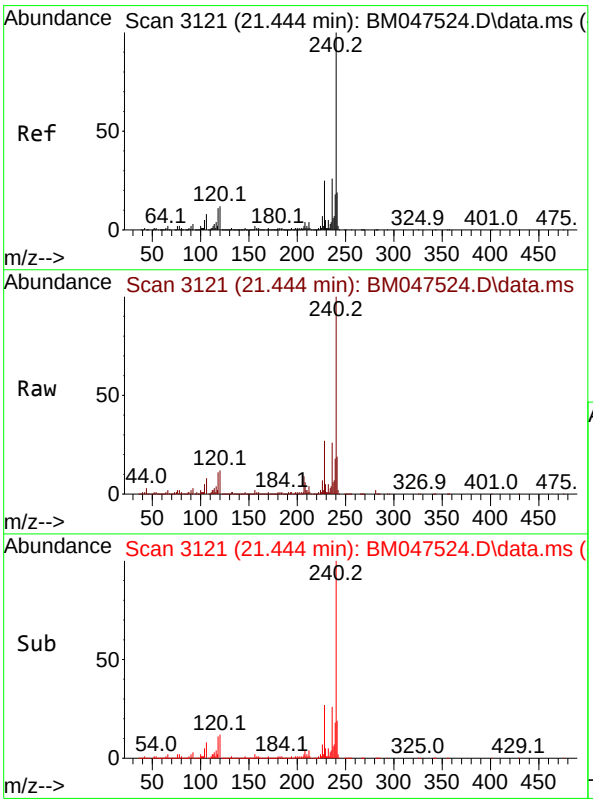
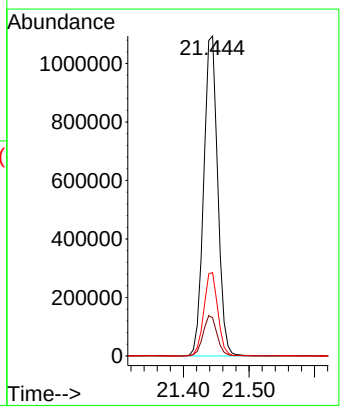
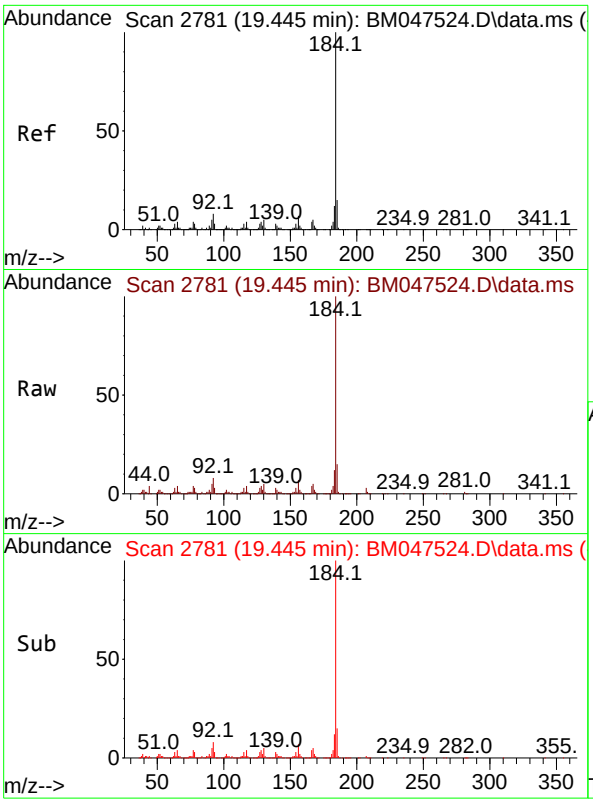


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

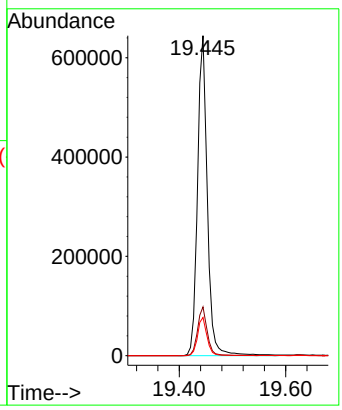




#77
Benzidine
Concen: 35.993 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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 :
SSTDICCC040

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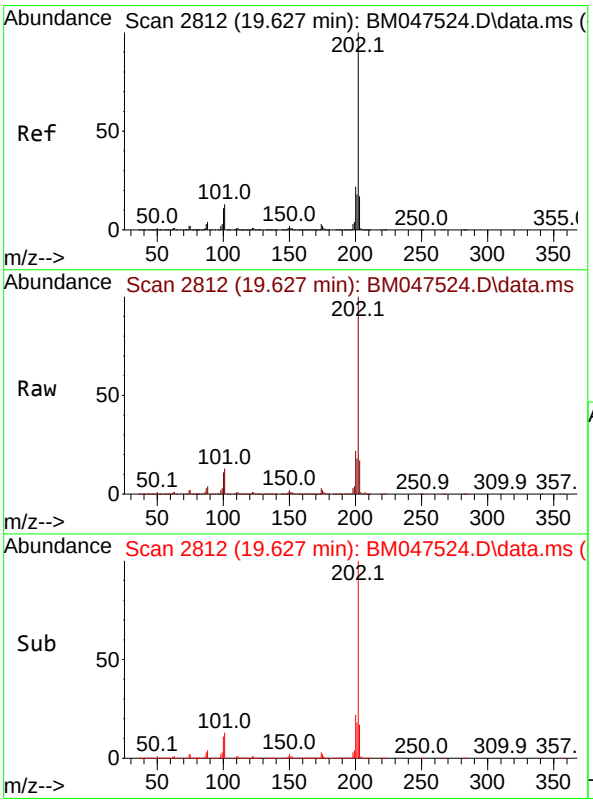
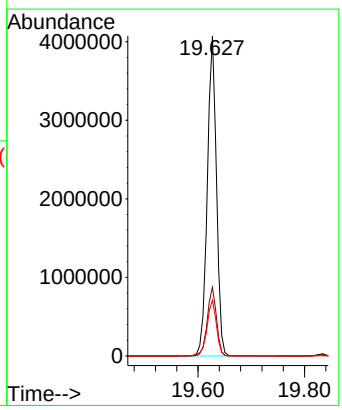
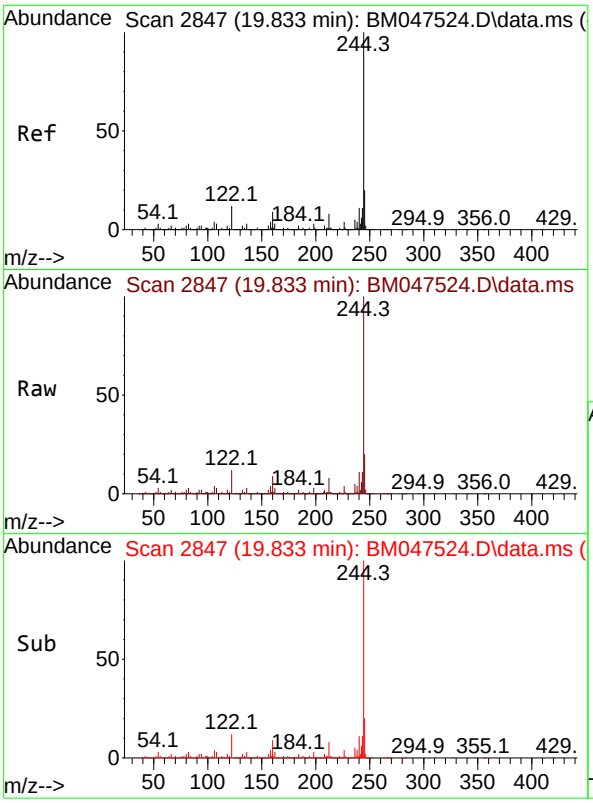


#78
Pyrene
Concen: 40.954 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

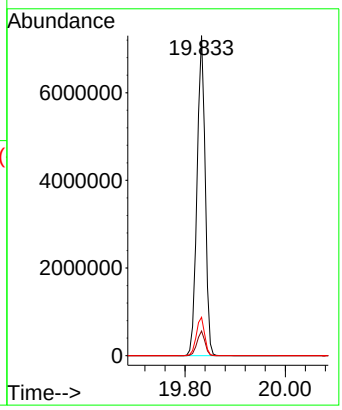




#79
Terphenyl-d14
Concen: 90.034 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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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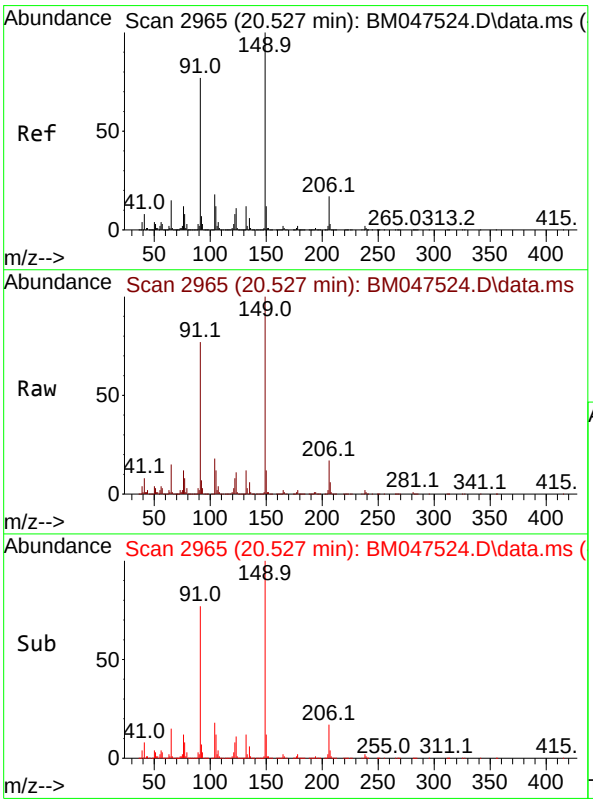
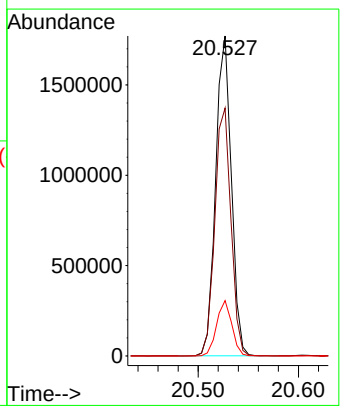
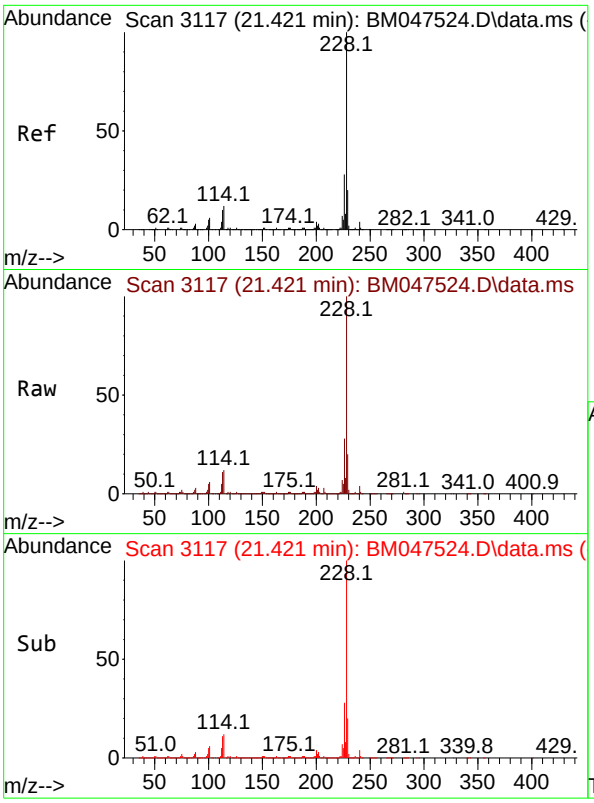


#80
Butylbenzylphthalate
Concen: 41.908 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

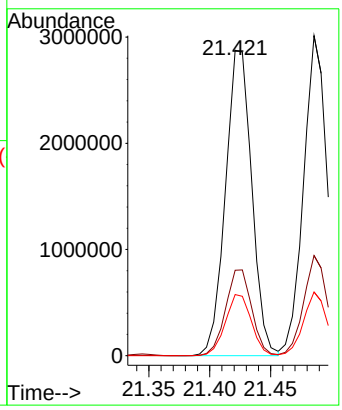




#81
Benzo(a)anthracene
Concen: 40.888 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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 :
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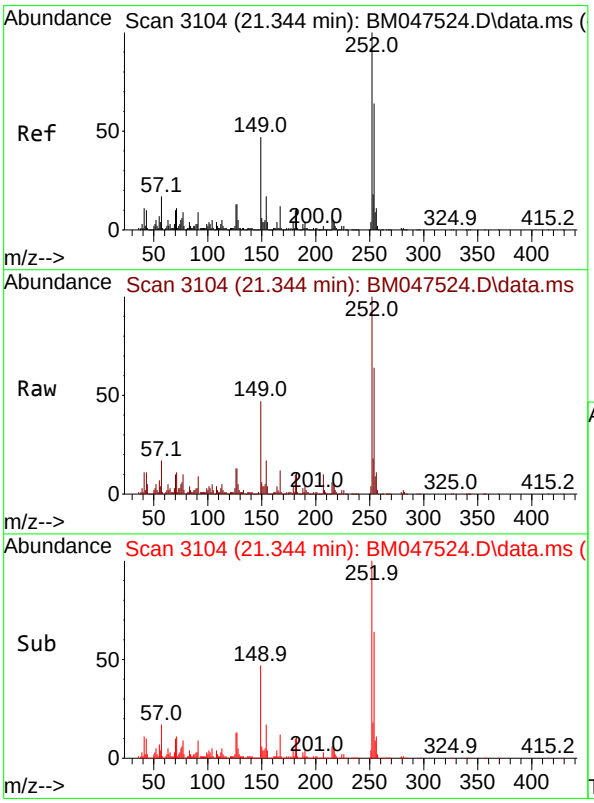
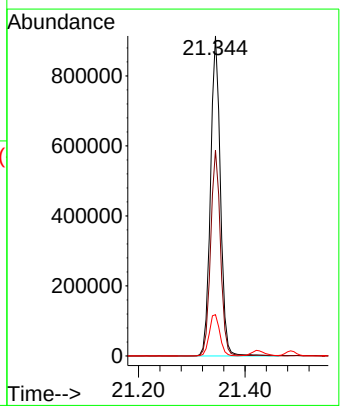
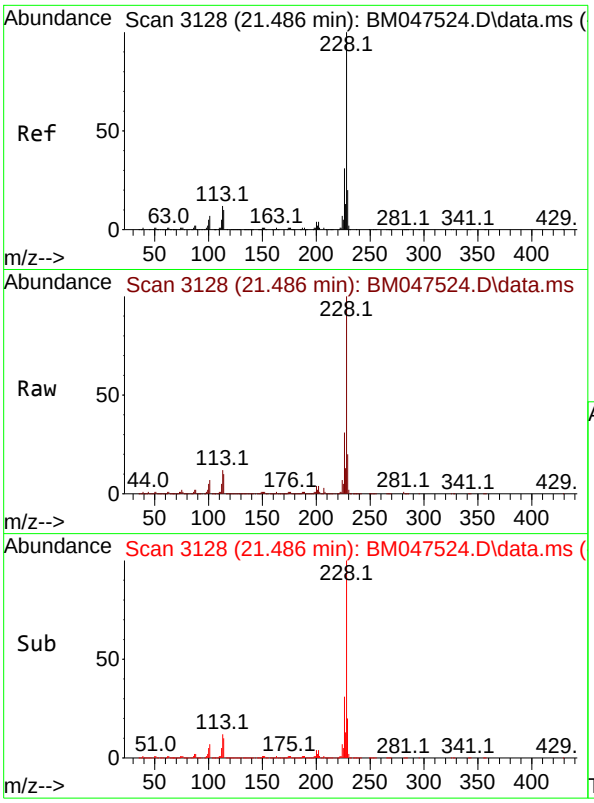


#82
3,3'-Dichlorobenzidine
Concen: 41.724 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

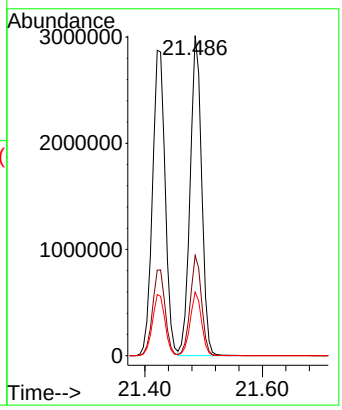




#83
Chrysene
Concen: 40.682 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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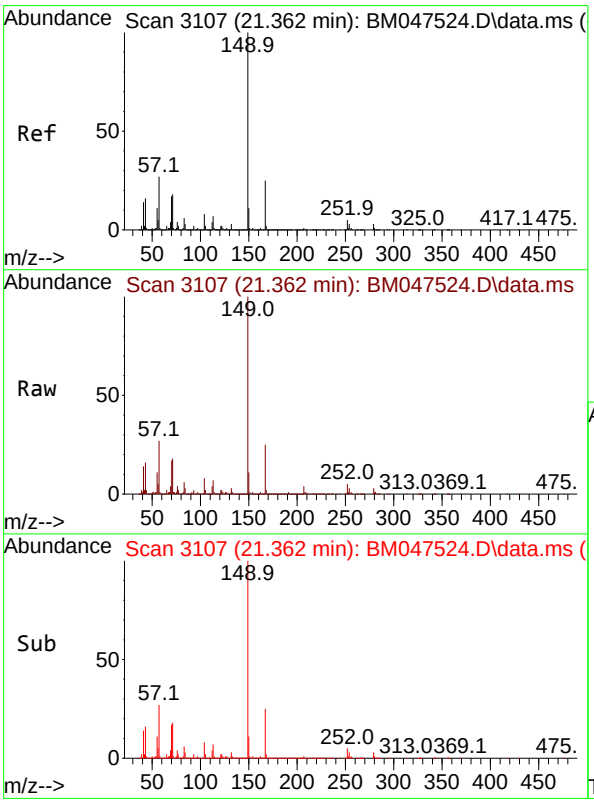
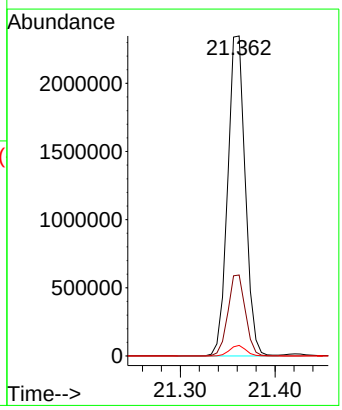
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

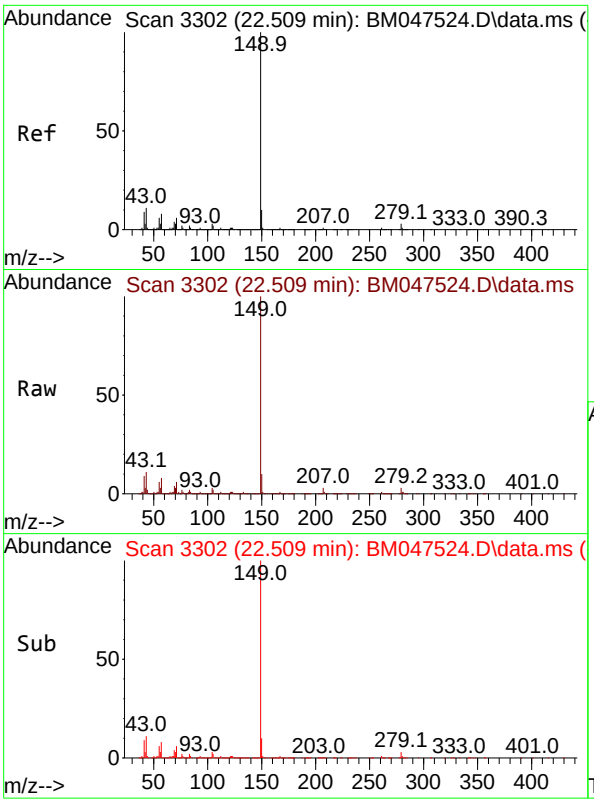


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.216 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

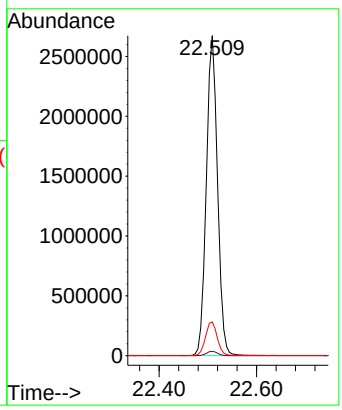




#85
Di-n-octyl phthalate
Concen: 41.825 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 423609

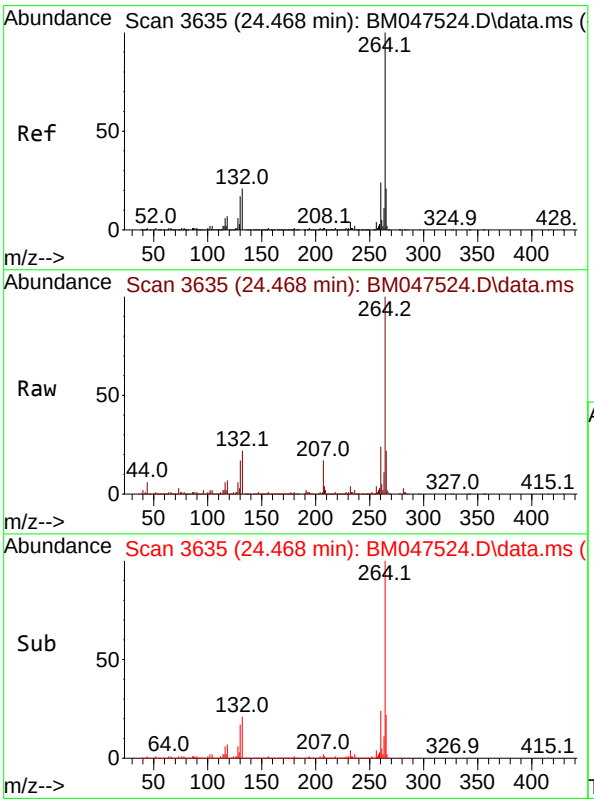
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.1	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

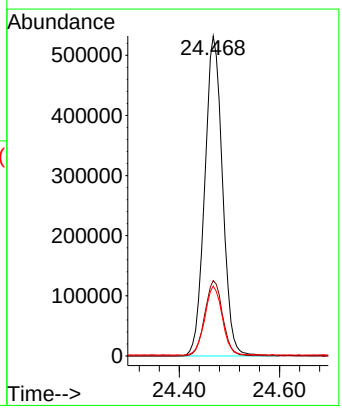
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

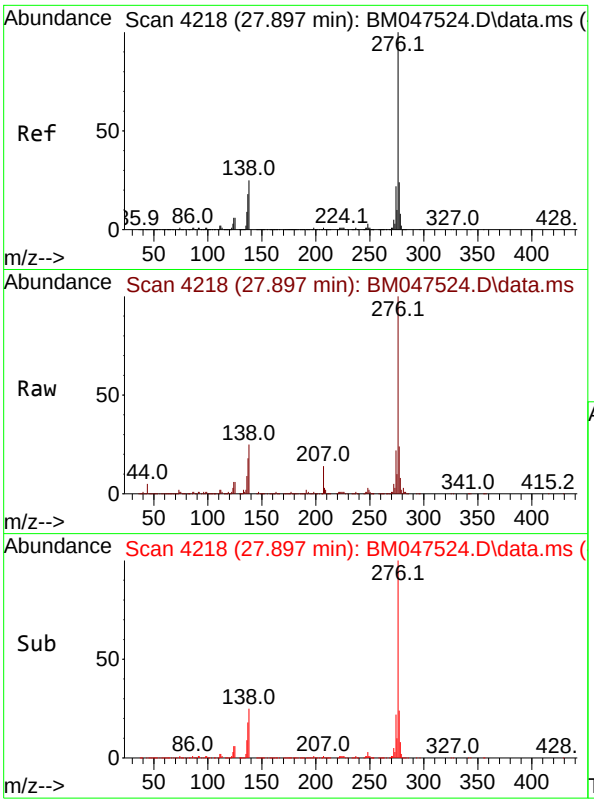


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

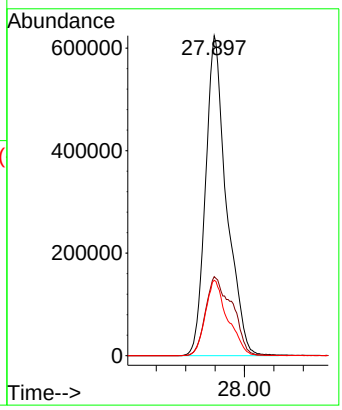




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.575 ng
RT: 27.897 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:276 Resp: 309982

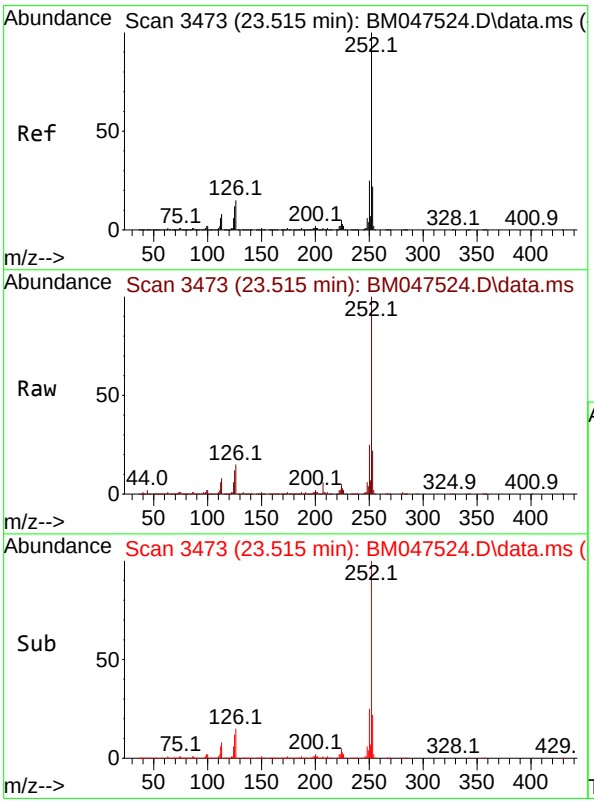
Ion	Ratio	Lower	Upper
276	100		
138	31.3	25.0	37.6
277	25.1	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

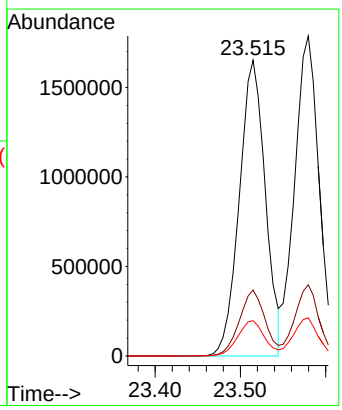
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

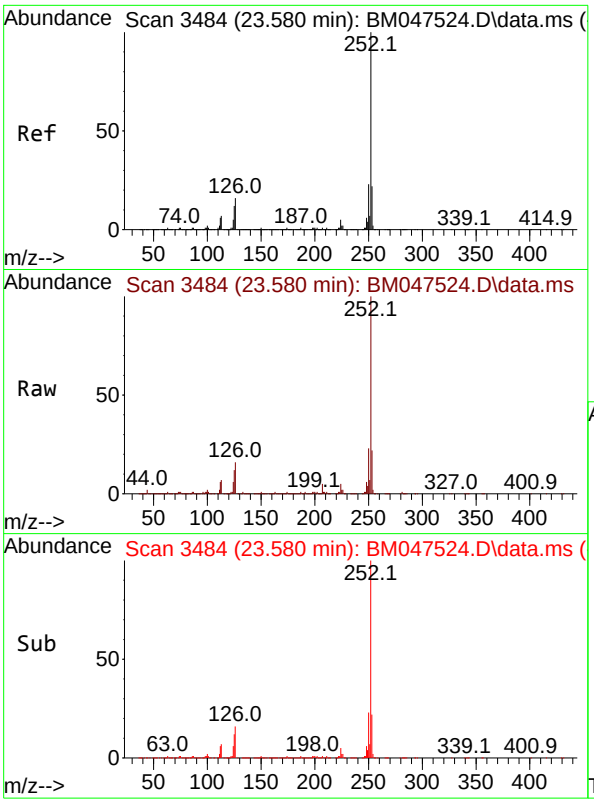


#88
Benzo(b)fluoranthene
Concen: 41.423 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

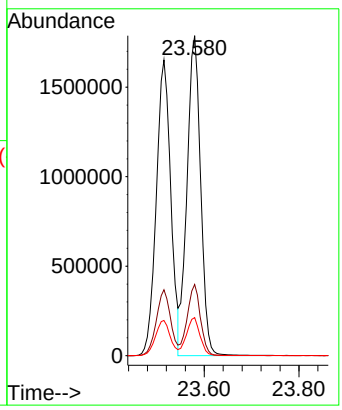




#89
Benzo(k)fluoranthene
Concen: 42.538 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 357021

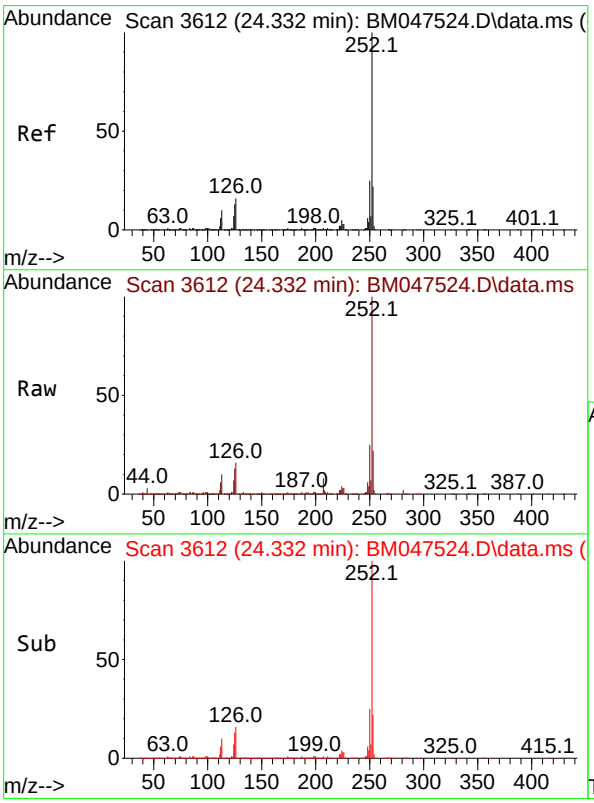
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.9	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

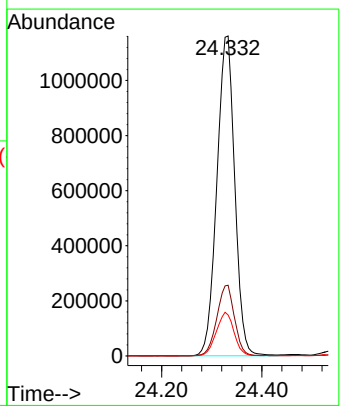
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

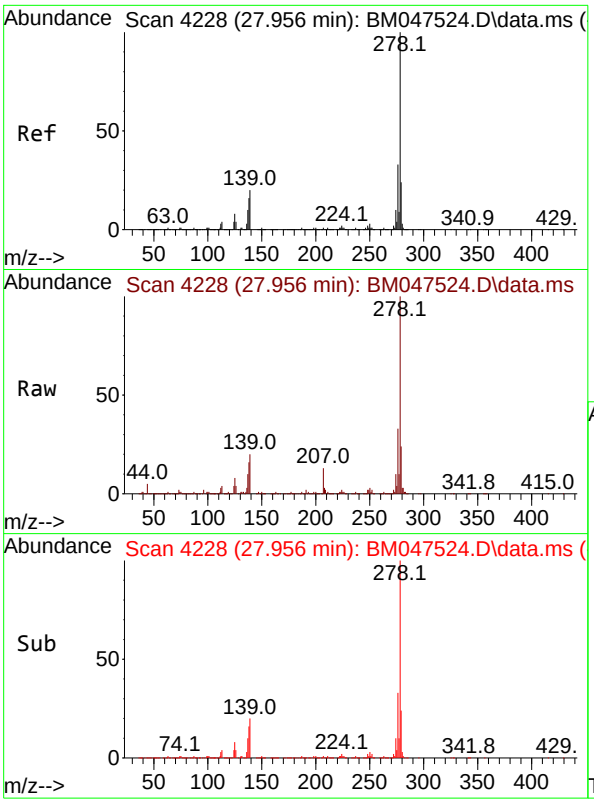


#90
Benzo(a)pyrene
Concen: 41.429 ng
RT: 24.332 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

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

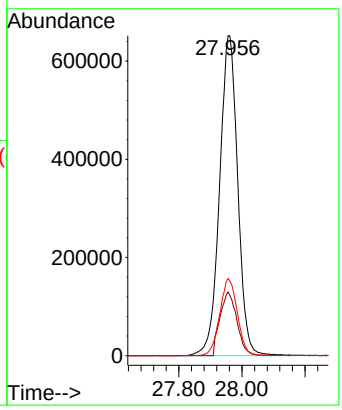




#91
Dibenzo(a,h)anthracene
Concen: 39.472 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:278 Resp: 260127

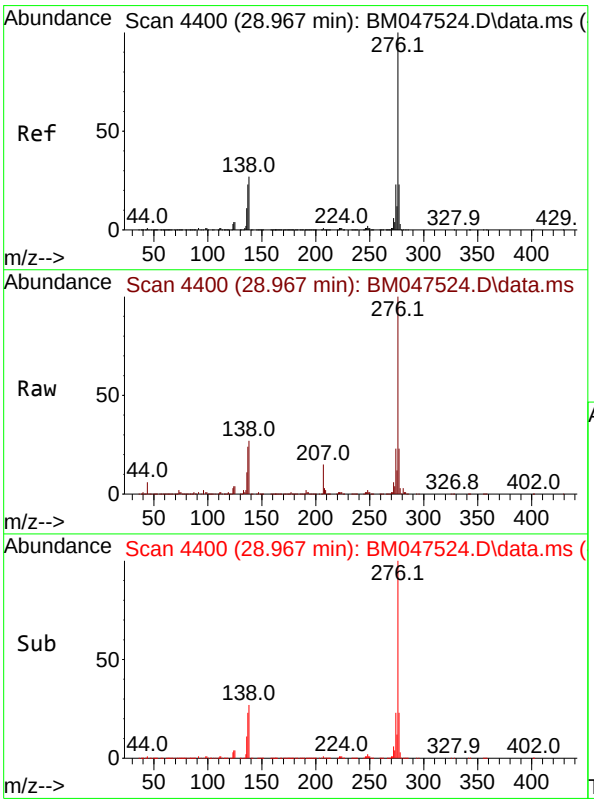
Ion	Ratio	Lower	Upper
278	100		
139	19.9	15.9	23.9
279	24.1	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

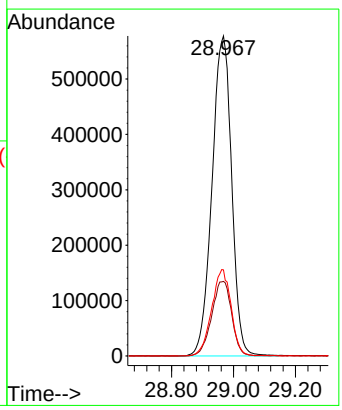
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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



Quantitation Report (QT Reviewed)

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

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

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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

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

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

ICAL Form

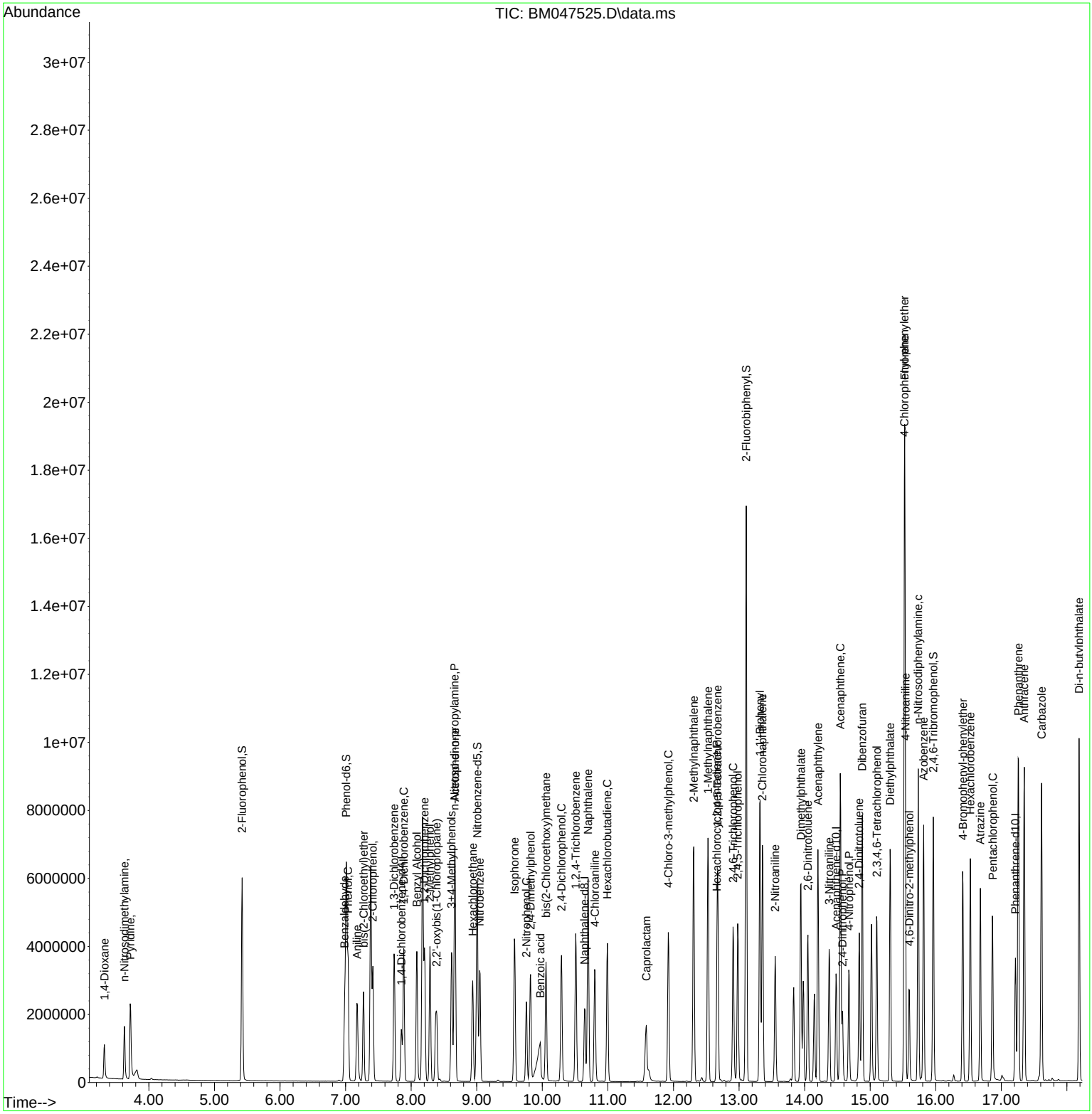
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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



ICAL Form

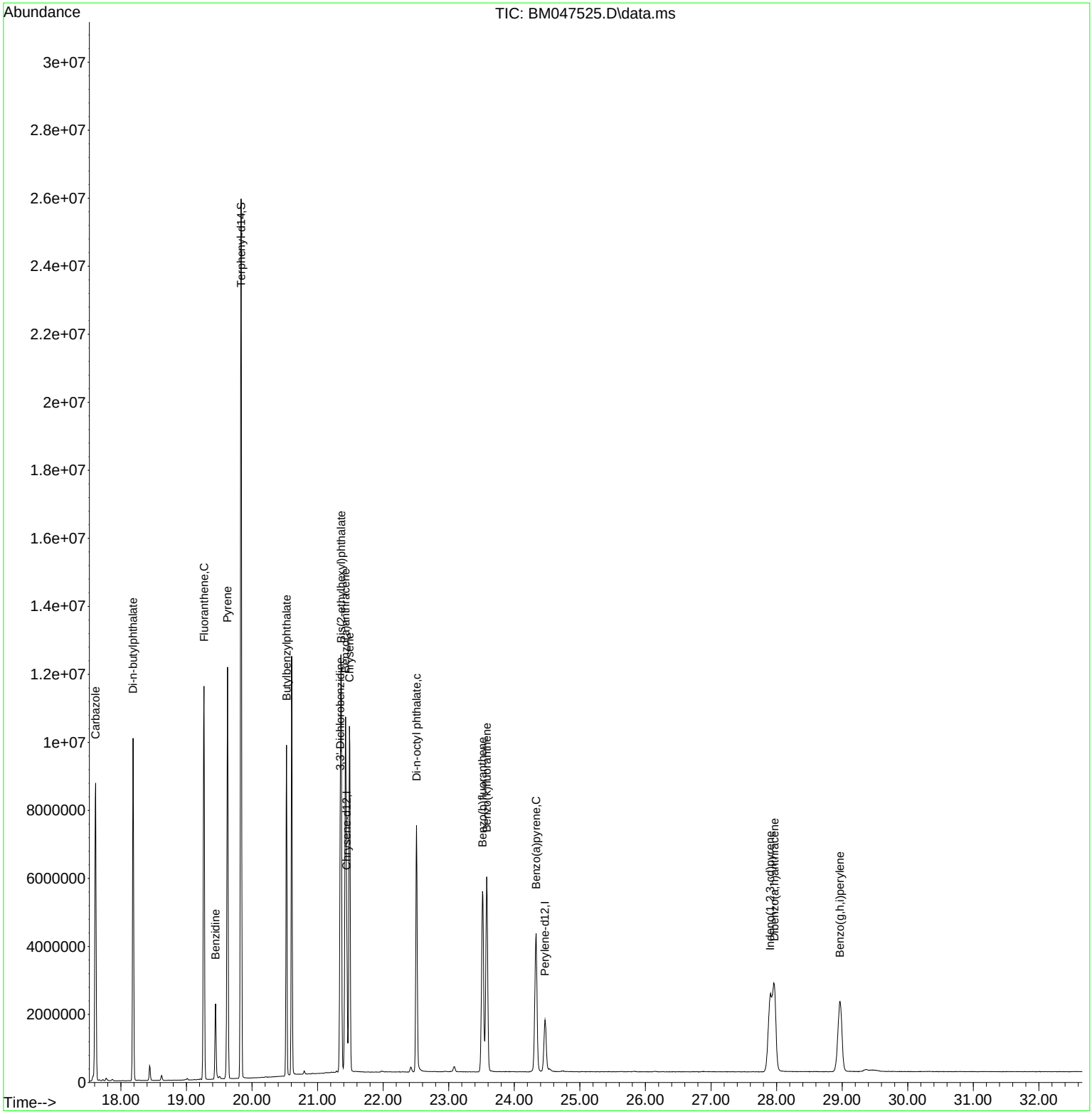
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

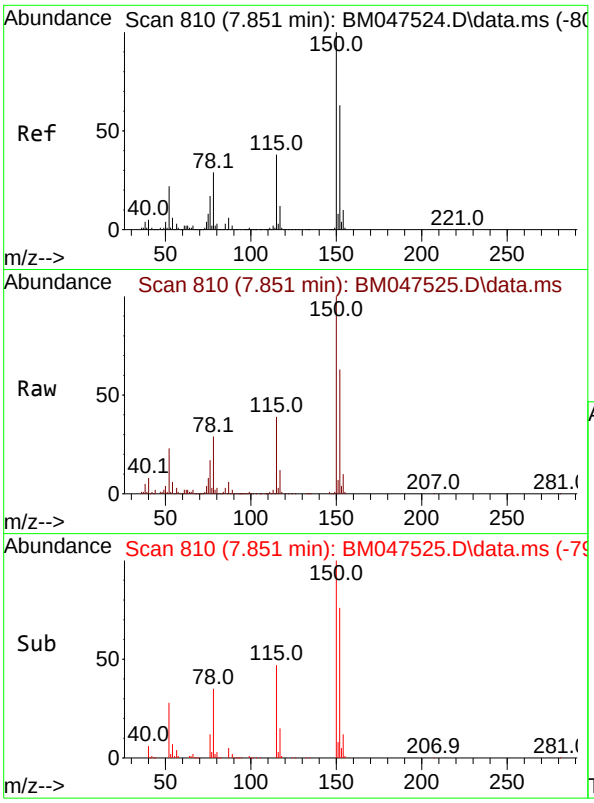
Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

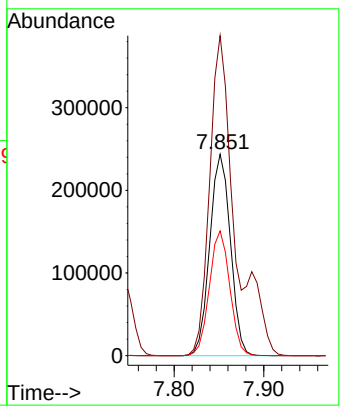




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
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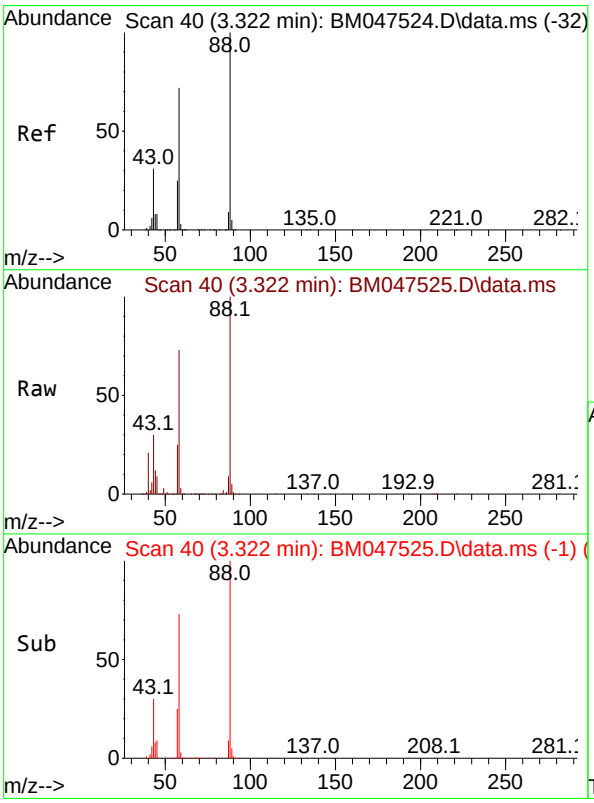
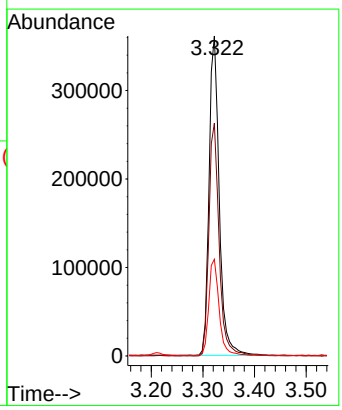
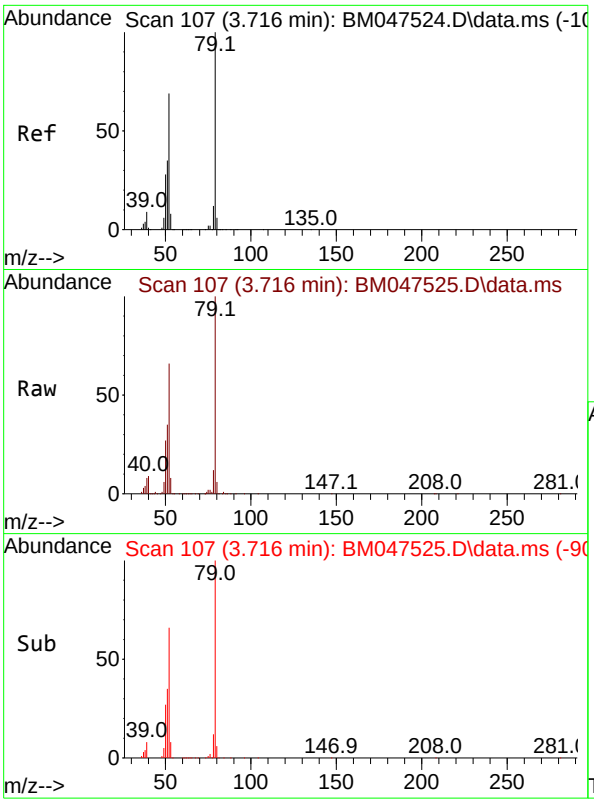


#2
1,4-Dioxane
Concen: 47.017 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

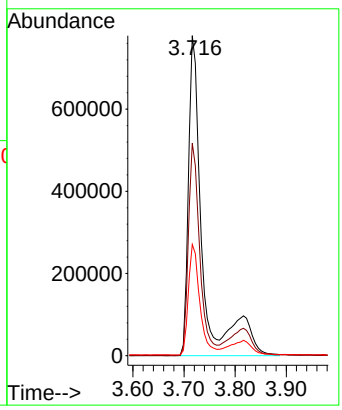




#3
Pyridine
Concen: 48.683 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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



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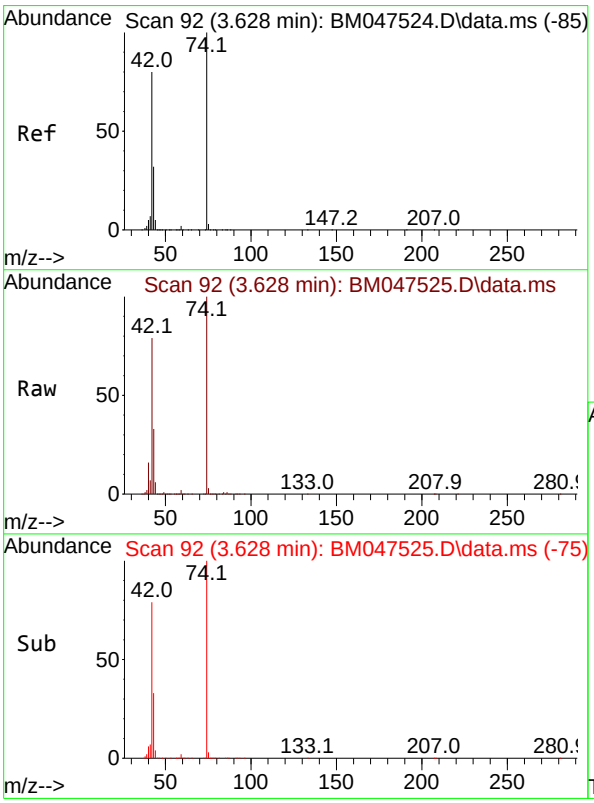
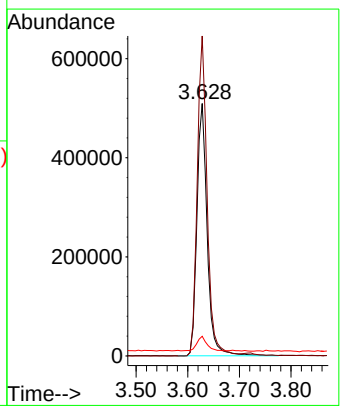
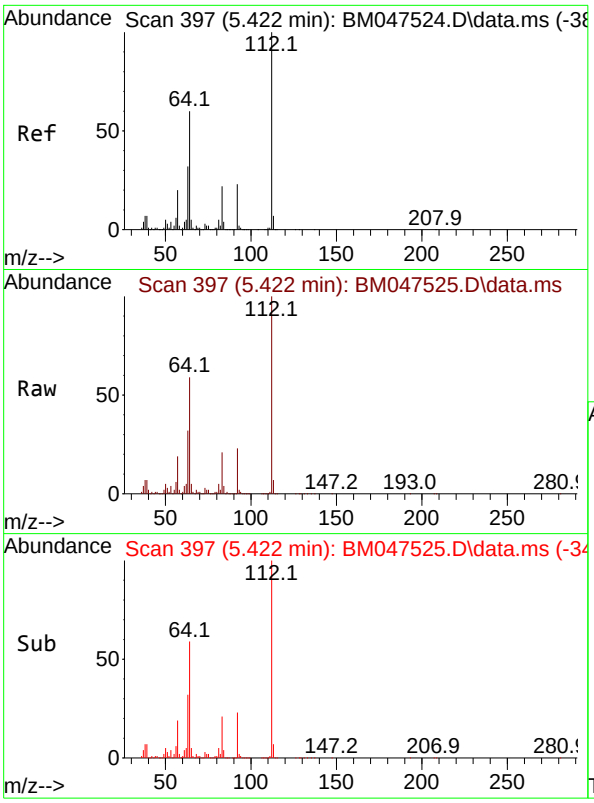


#4
n-Nitrosodimethylamine
Concen: 49.361 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

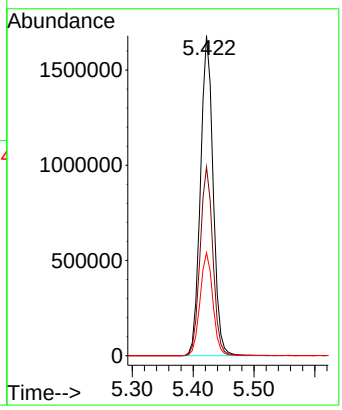




#5
2-Fluorophenol
Concen: 99.110 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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



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ClientSampleId :
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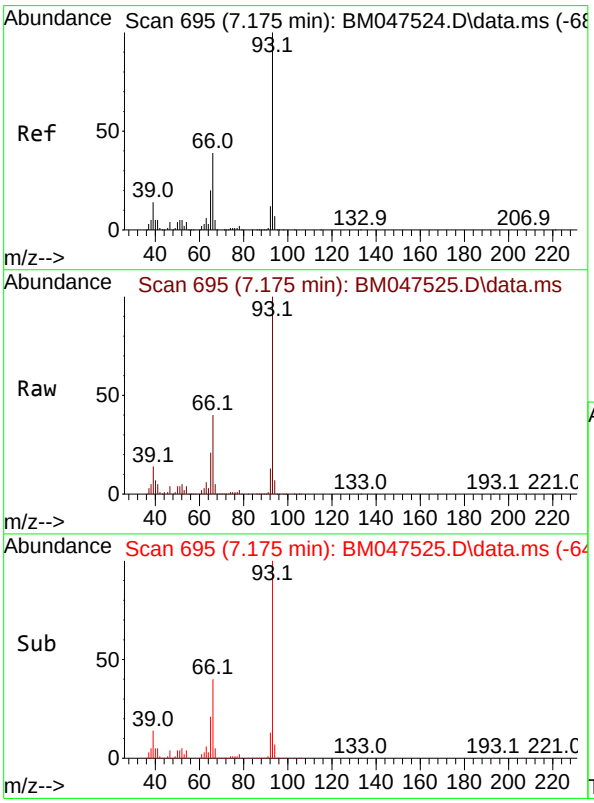
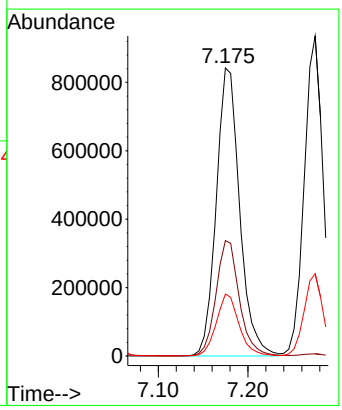
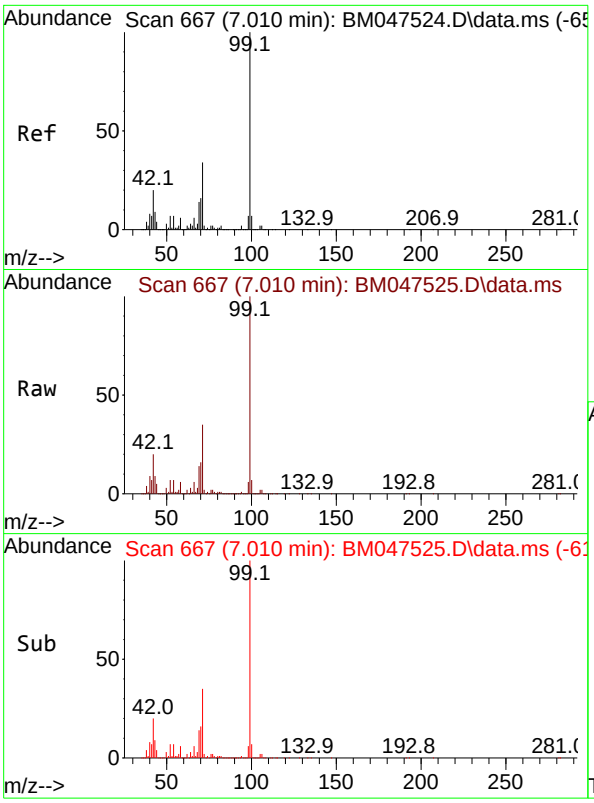


#6
Aniline
Concen: 49.840 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

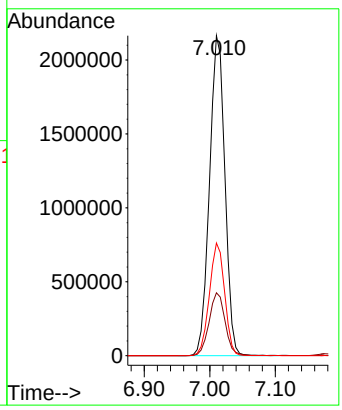




#7
Phenol-d6
Concen: 102.269 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
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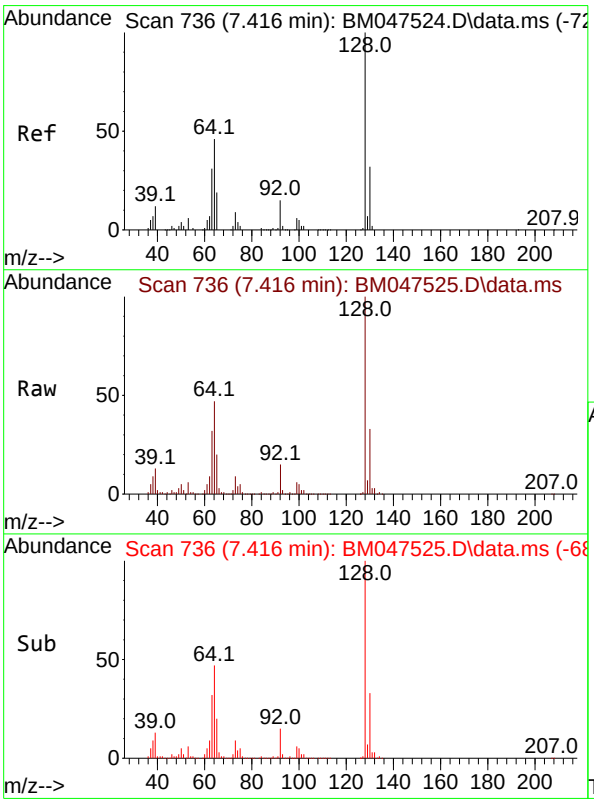
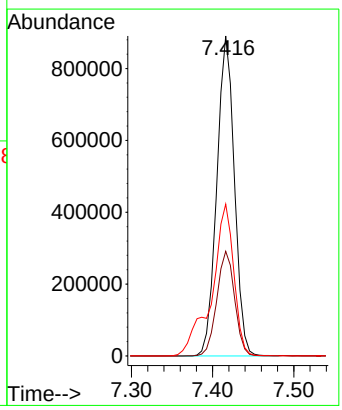
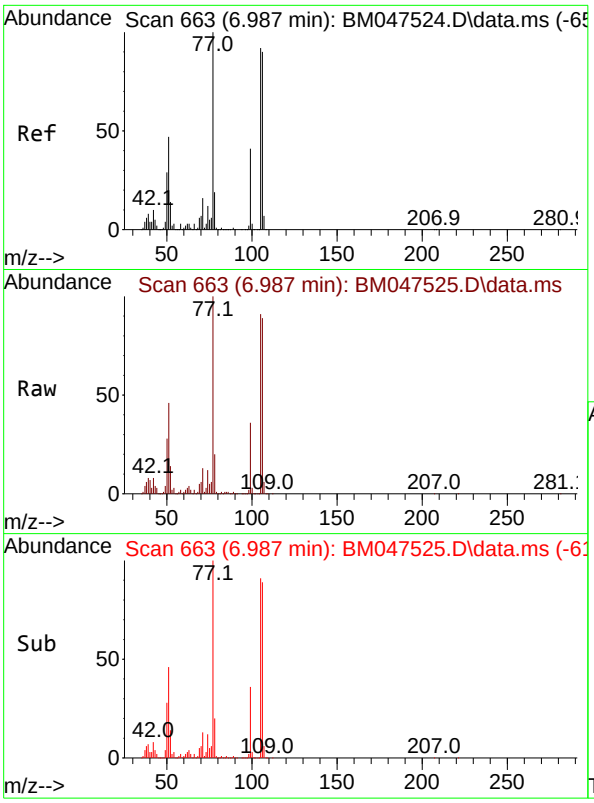


#8
2-Chlorophenol
Concen: 49.665 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

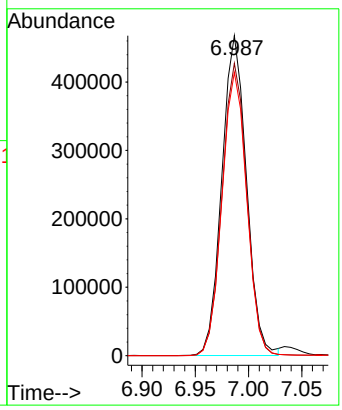




#9
Benzaldehyde
Concen: 45.825 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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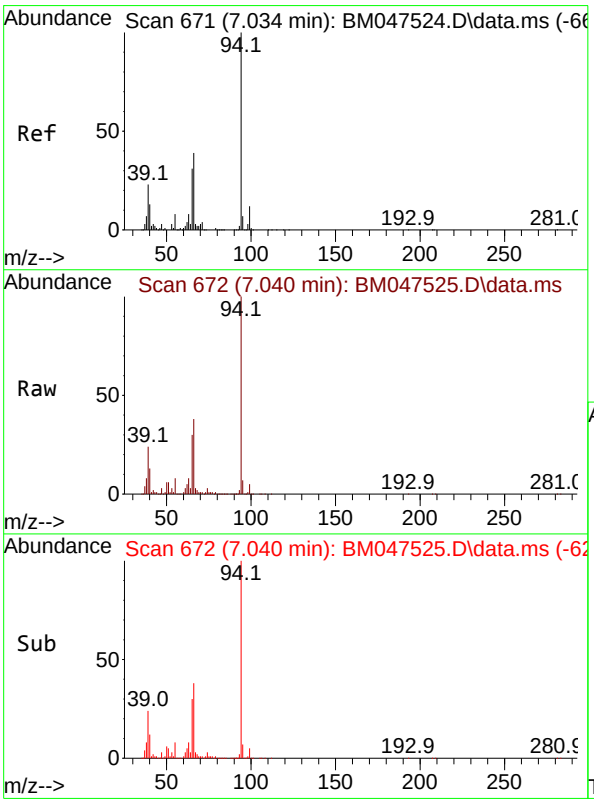
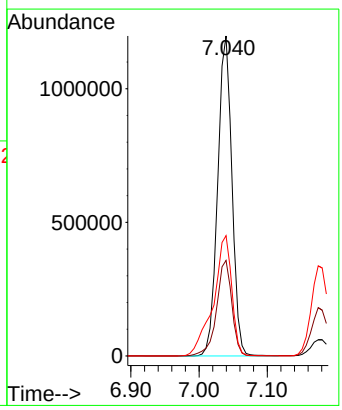
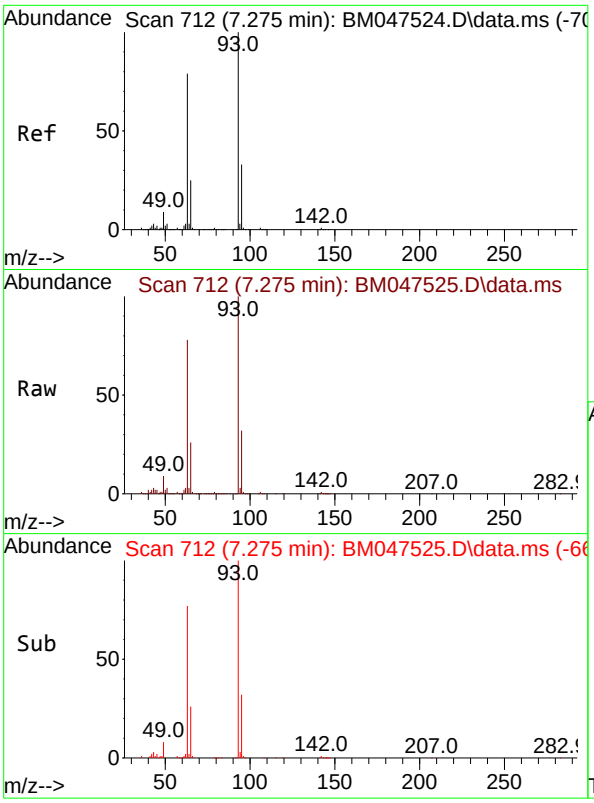


#10
Phenol
Concen: 50.407 ng
RT: 7.040 min Scan# 672
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

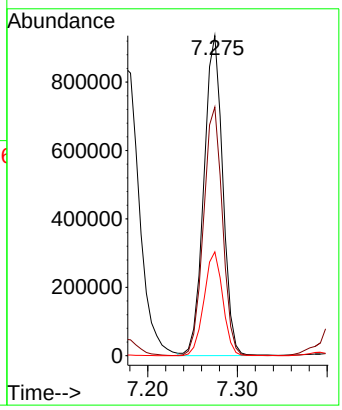




#11
bis(2-Chloroethyl)ether
Concen: 49.118 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
SSTDICC050

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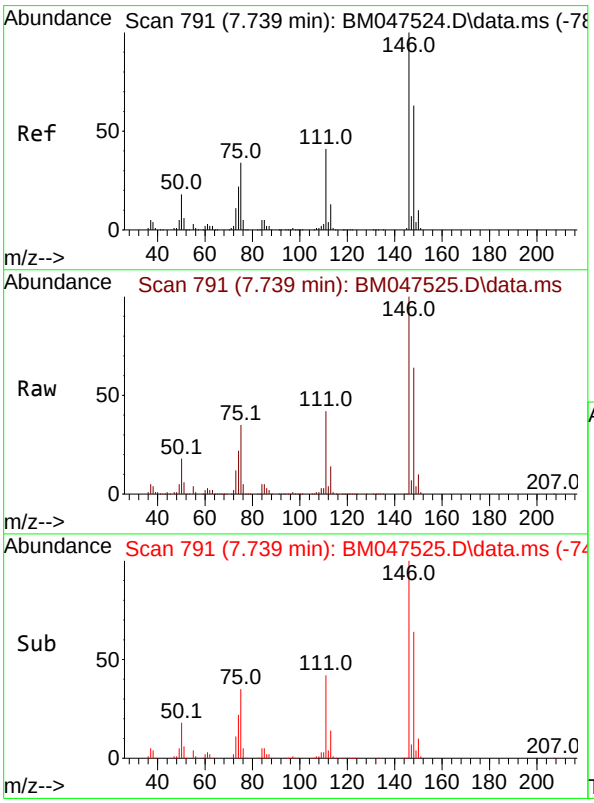
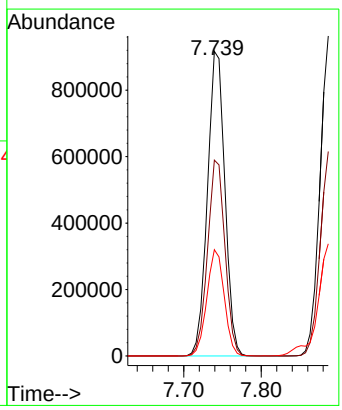
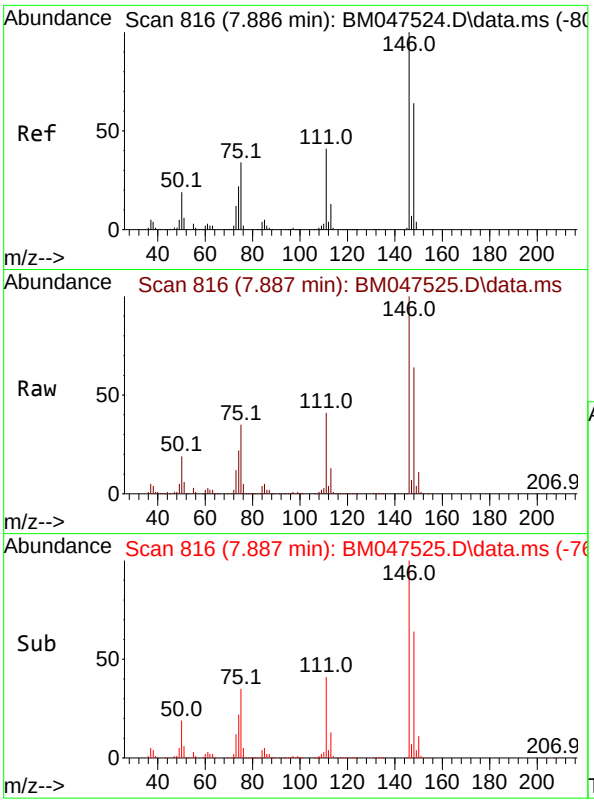


#12
1,3-Dichlorobenzene
Concen: 48.396 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

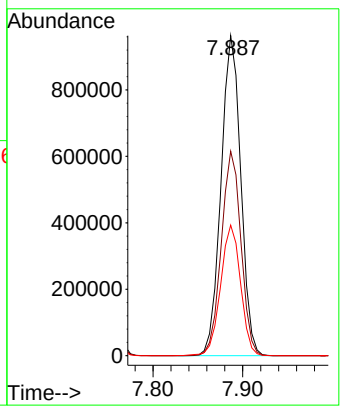




#13
1,4-Dichlorobenzene
Concen: 48.807 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
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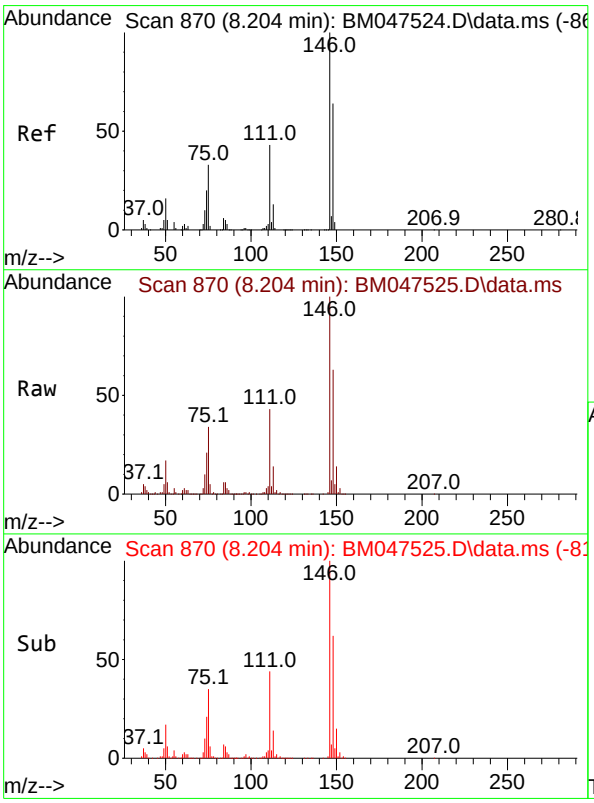
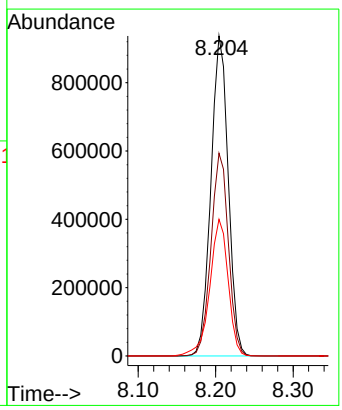
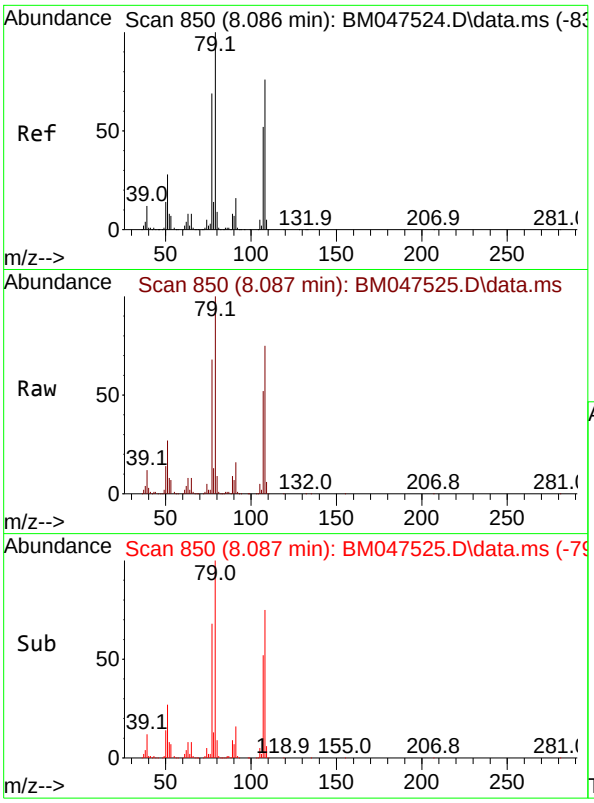


#14
1,2-Dichlorobenzene
Concen: 49.019 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

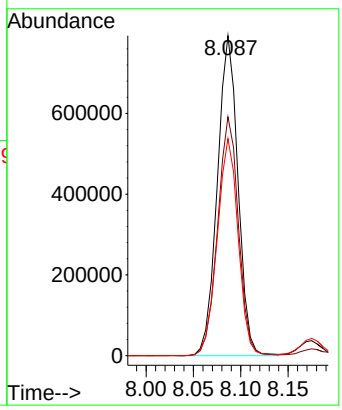




#15
Benzyl Alcohol
Concen: 51.344 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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



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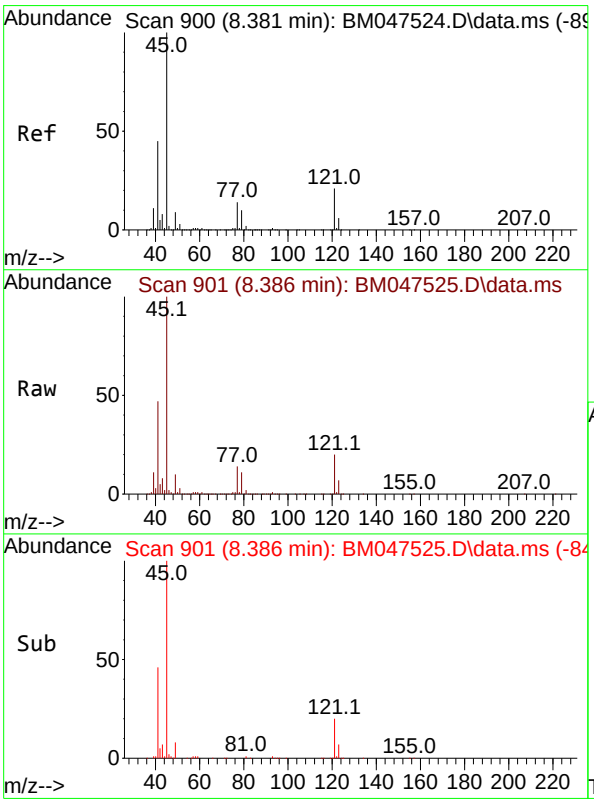
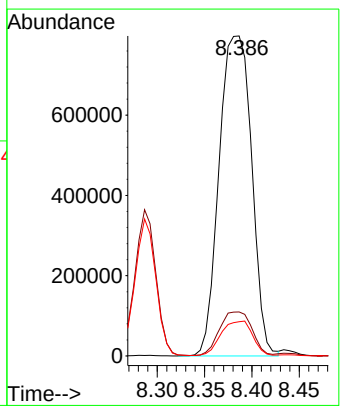
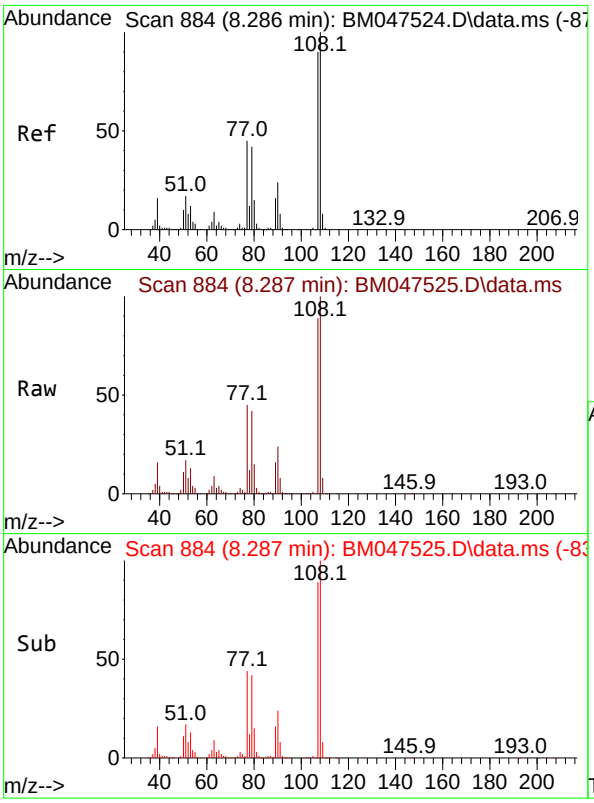


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.725 ng
RT: 8.386 min Scan# 901
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

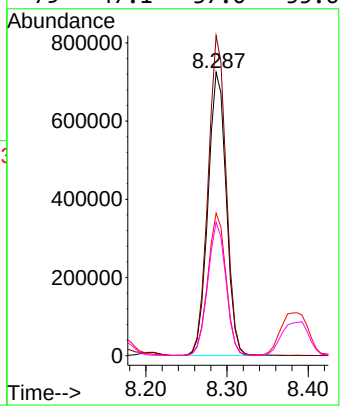




#17
2-Methylphenol
Concen: 51.000 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
BNA_M
ClientSampleId :
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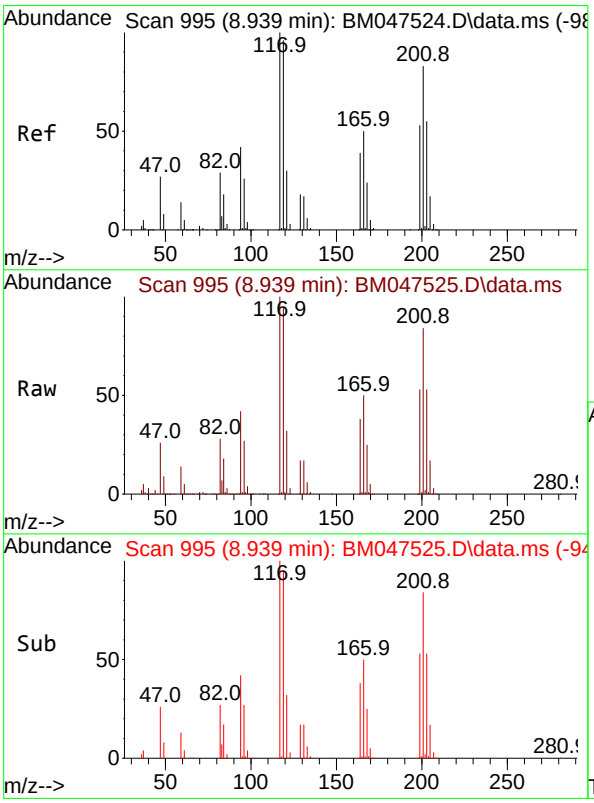
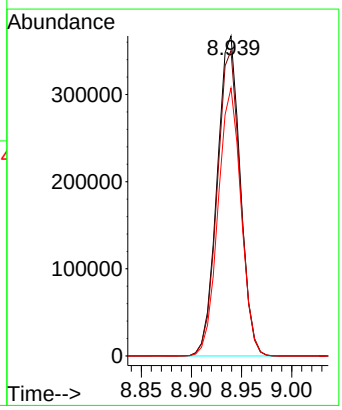
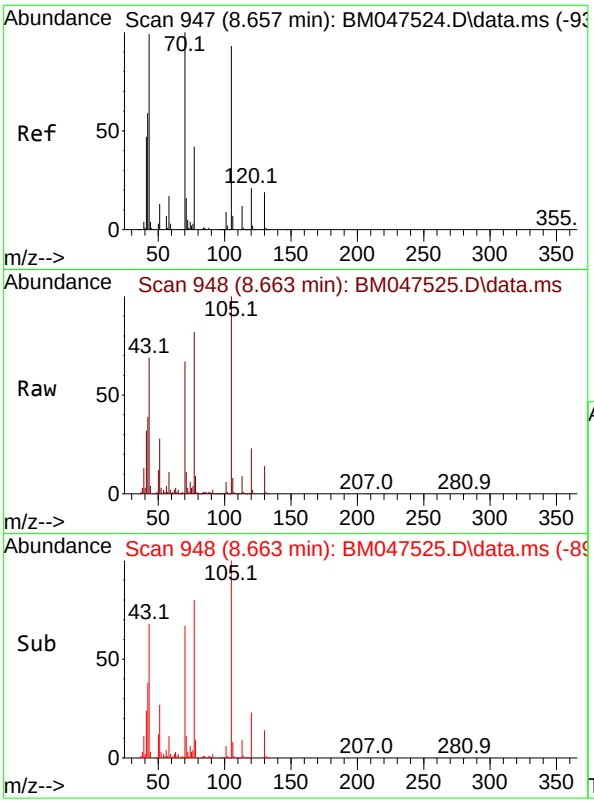


#18
Hexachloroethane
Concen: 48.897 ng
RT: 8.939 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

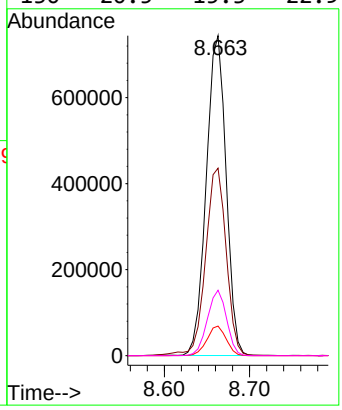




#19
n-Nitroso-di-n-propylamine
Concen: 51.673 ng
RT: 8.663 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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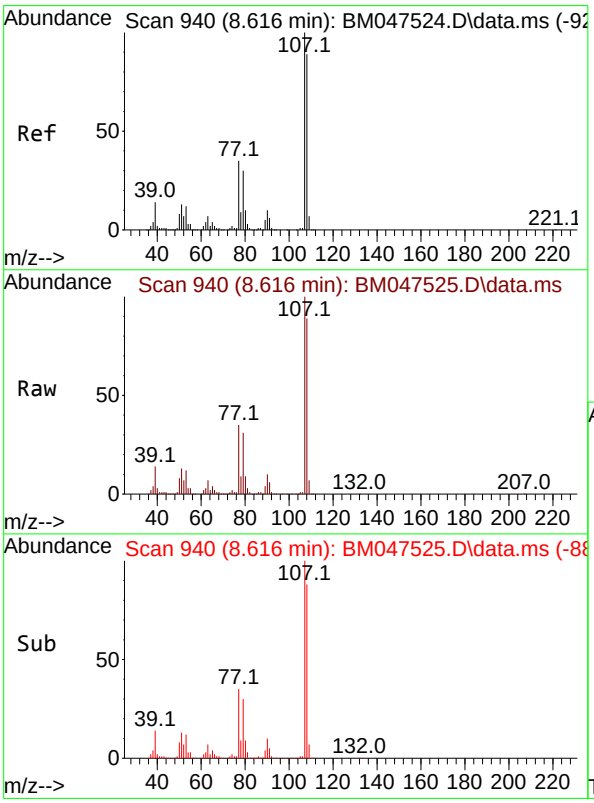
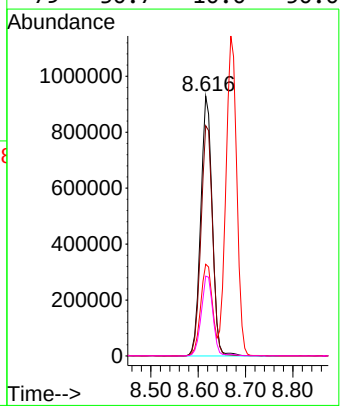
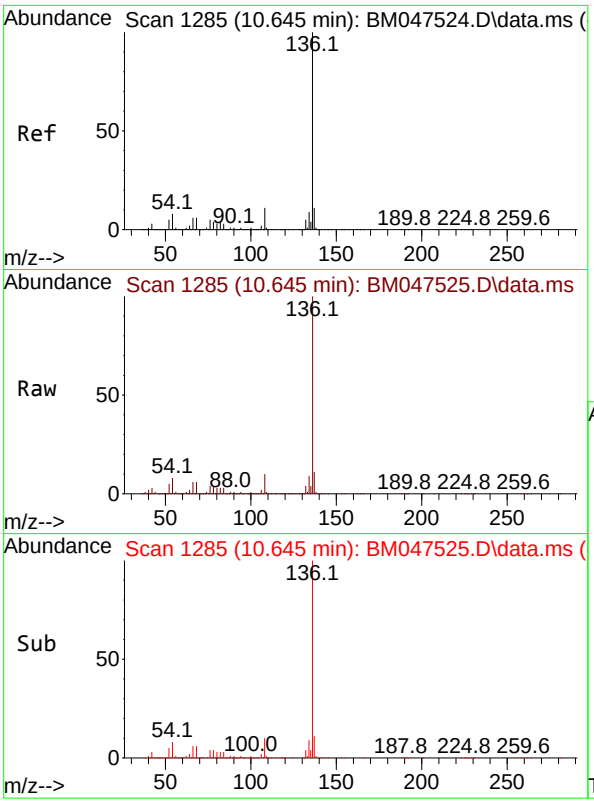


#20
3+4-Methylphenols
Concen: 50.725 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

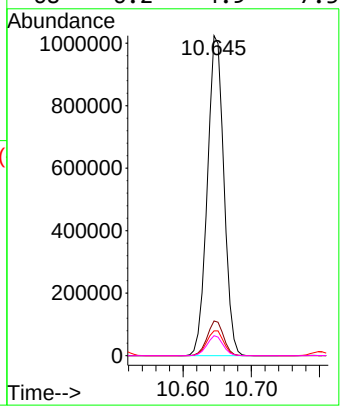




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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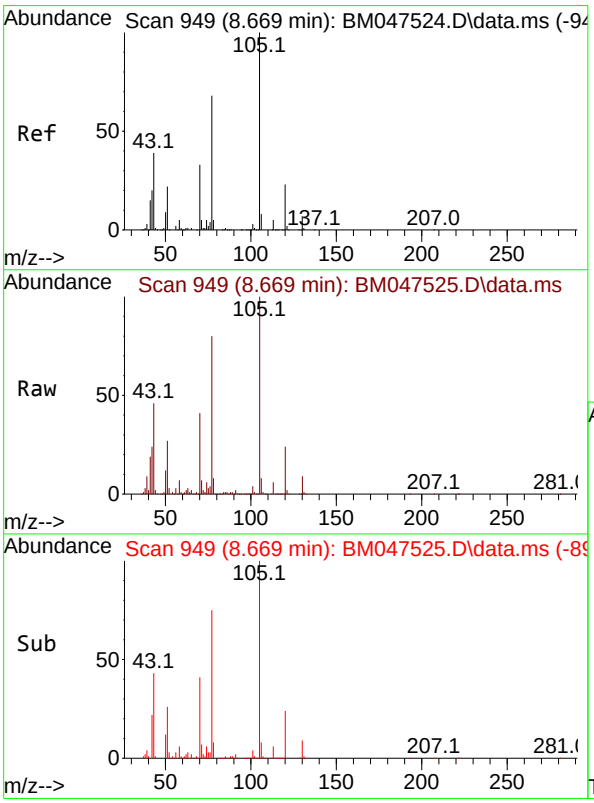
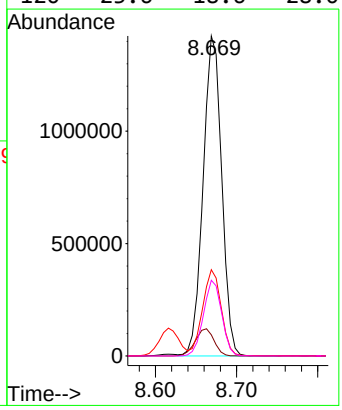
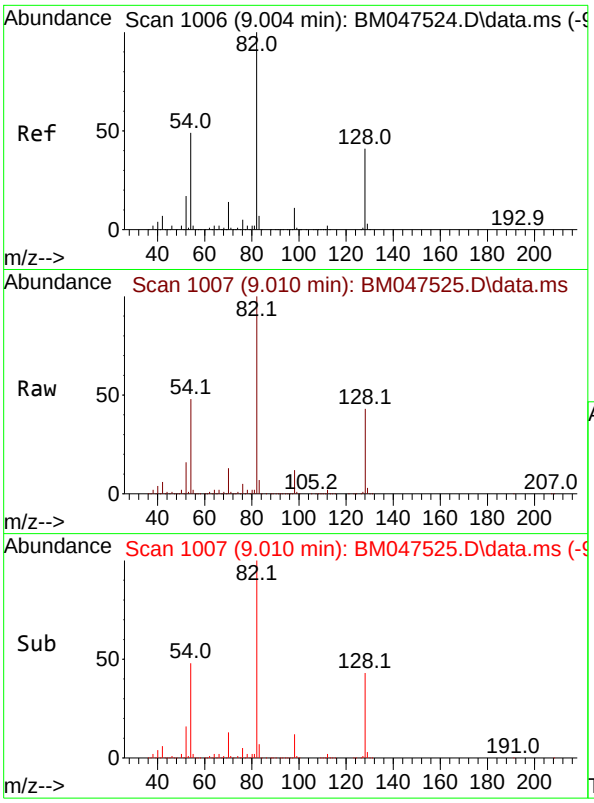


#22
Acetophenone
Concen: 49.852 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
BNA_M
ClientSampleId :
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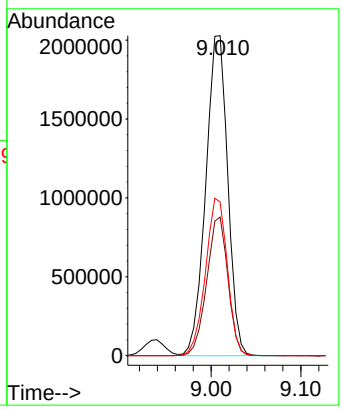
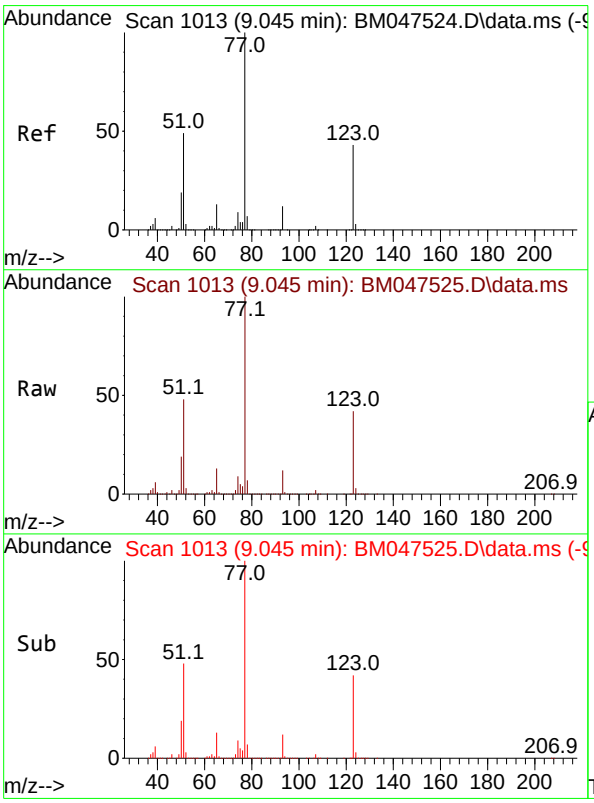
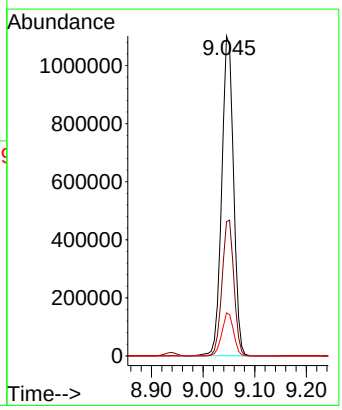


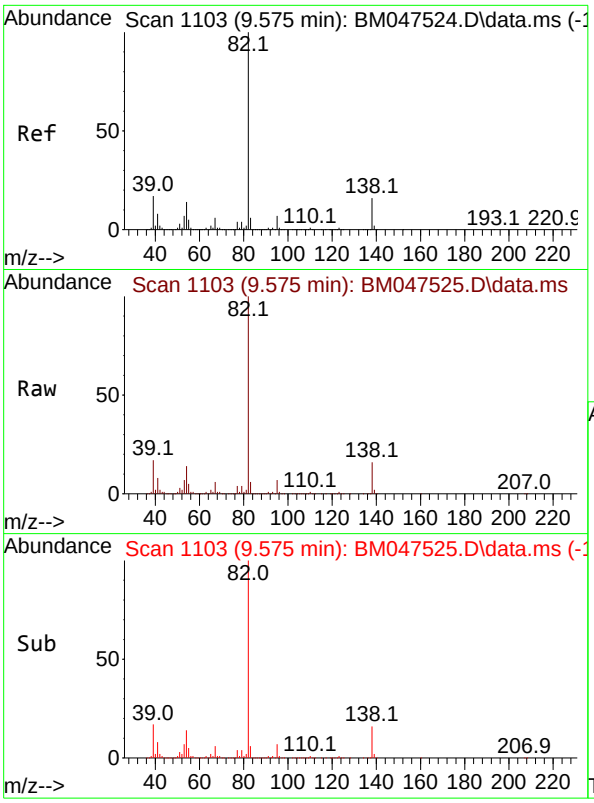


#24
Nitrobenzene
Concen: 49.499 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

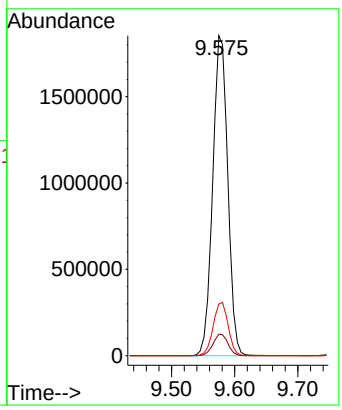




#25
Isophorone
Concen: 50.553 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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



Instrument :
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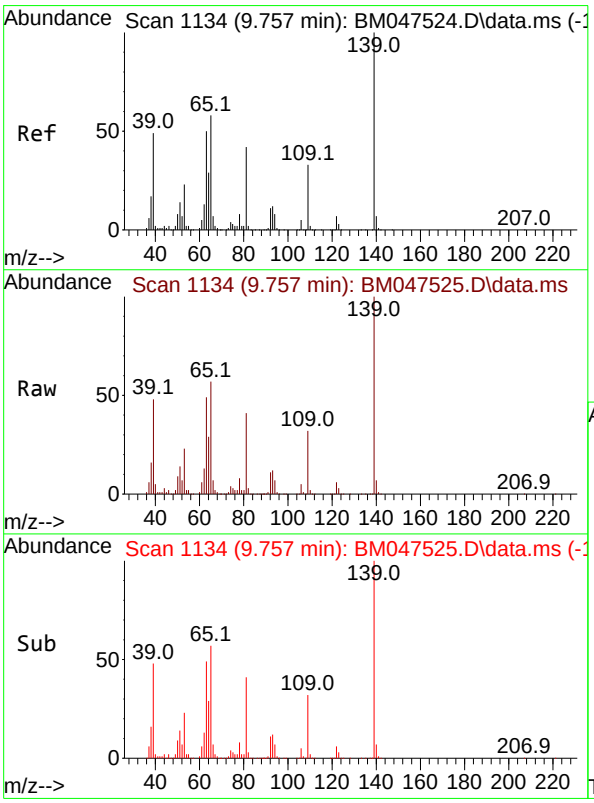
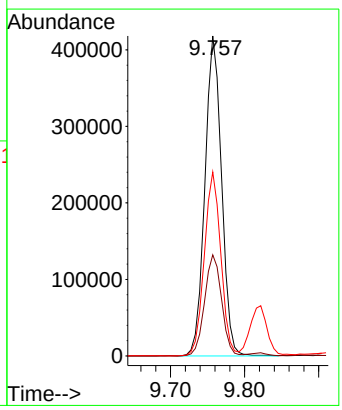
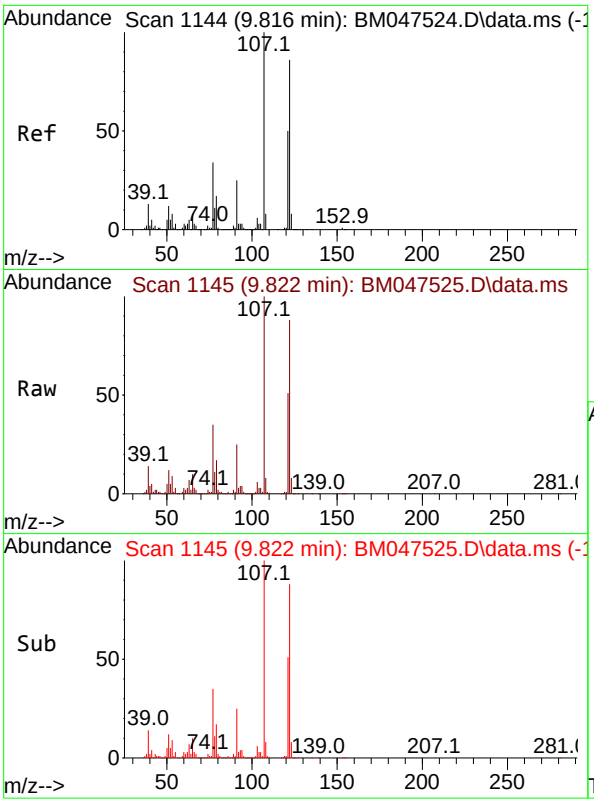


#26
2-Nitrophenol
Concen: 54.160 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

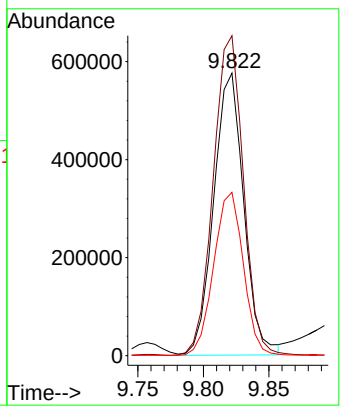




#27
2,4-Dimethylphenol
Concen: 50.105 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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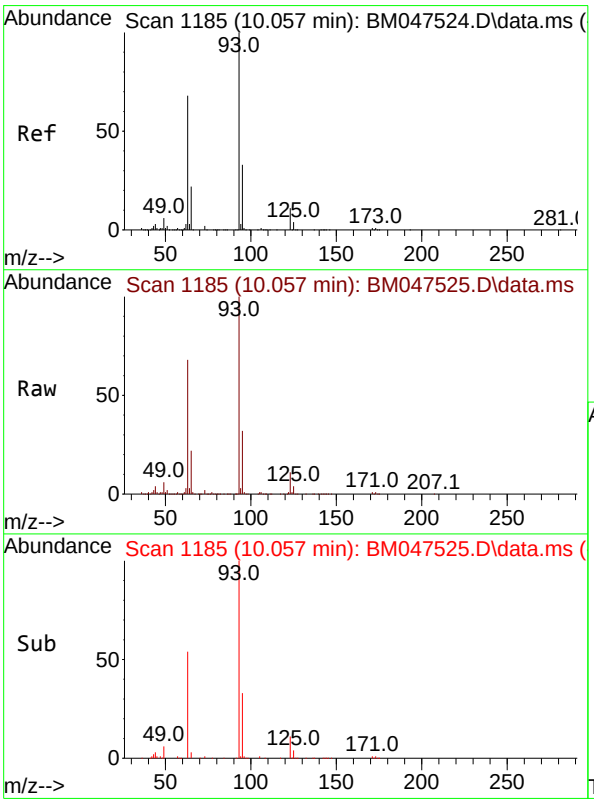
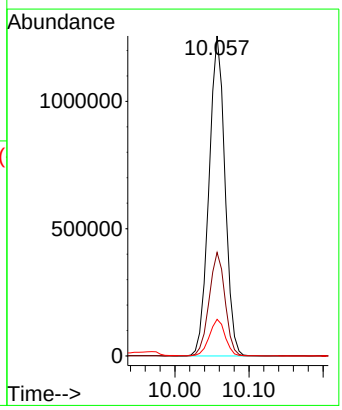
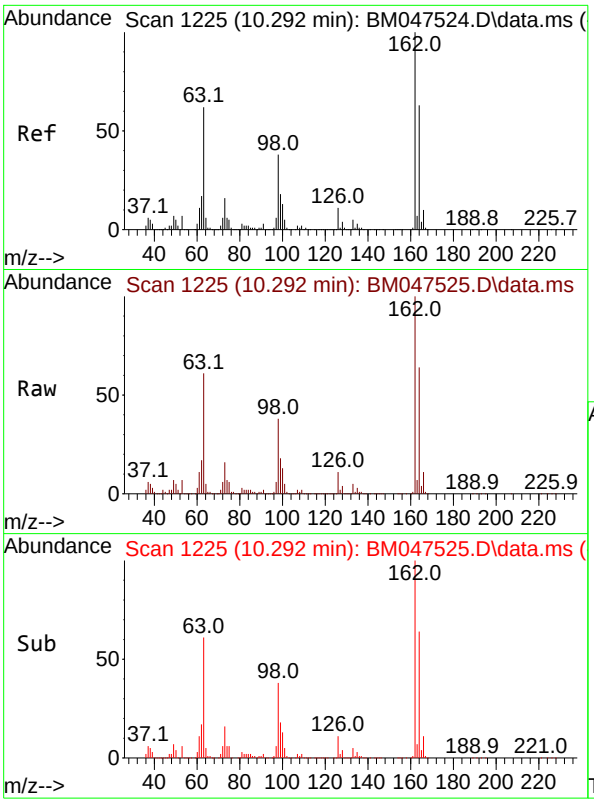


#28
bis(2-Chloroethoxy)methane
Concen: 49.443 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

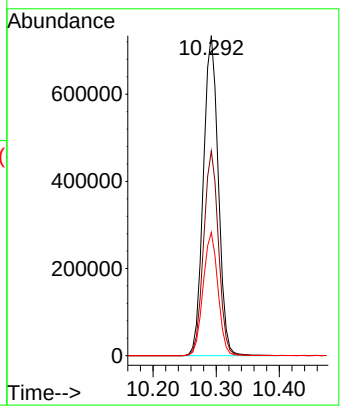




#29
2,4-Dichlorophenol
Concen: 51.885 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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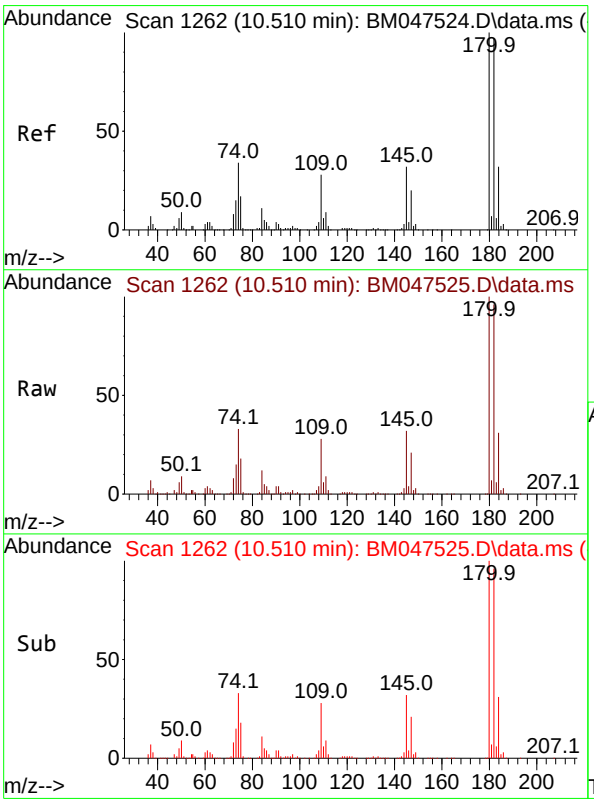
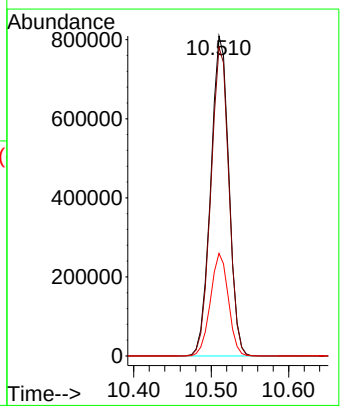
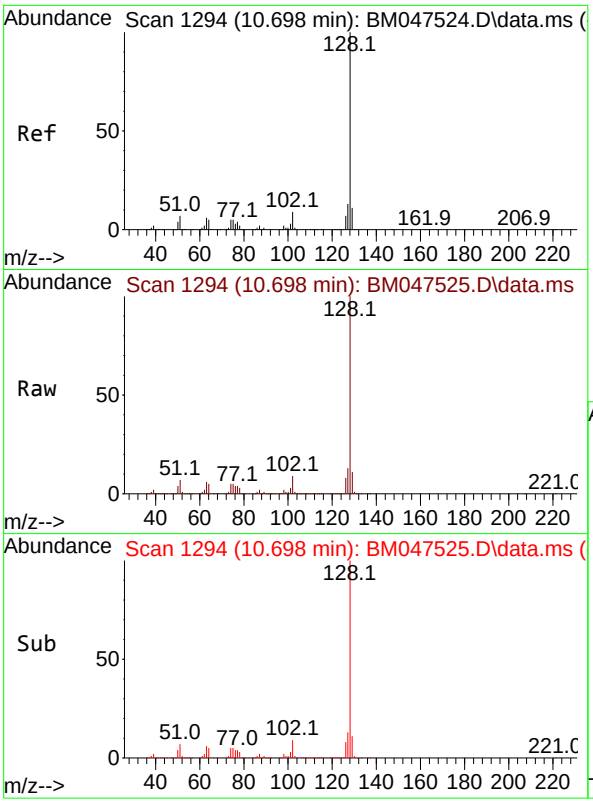


#30
1,2,4-Trichlorobenzene
Concen: 49.431 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

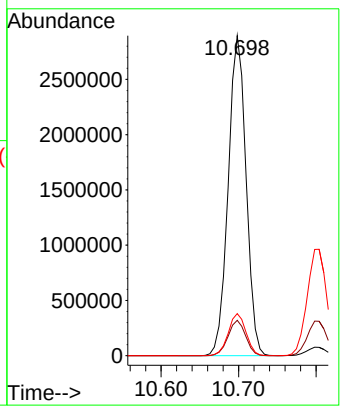




#31
Naphthalene
Concen: 49.926 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
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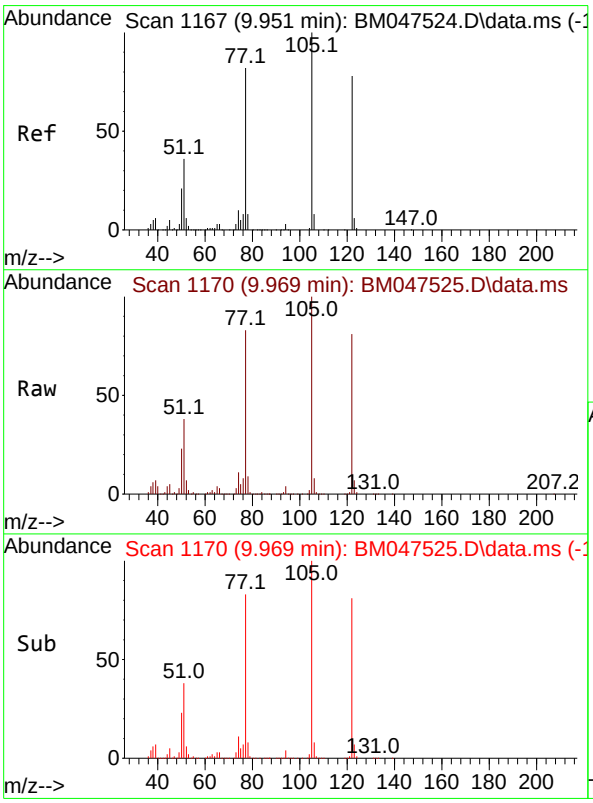
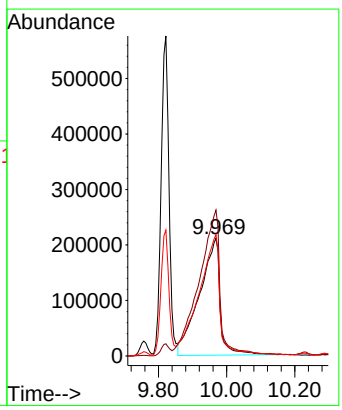
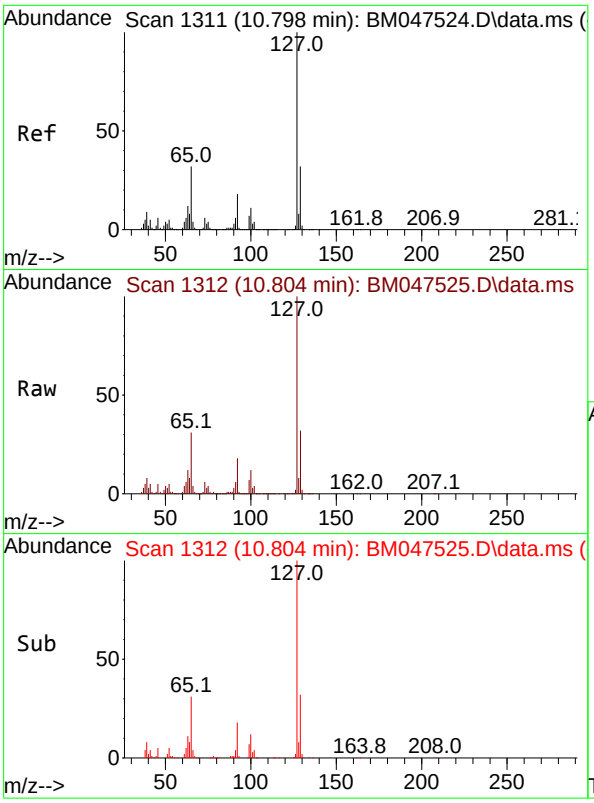


#32
Benzoic acid
Concen: 49.165 ng
RT: 9.969 min Scan# 1170
Delta R.T. 0.018 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

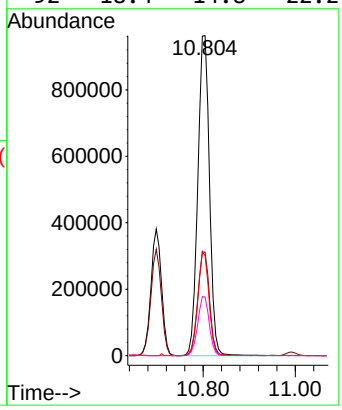




#33
4-Chloroaniline
Concen: 50.379 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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ClientSampleId :
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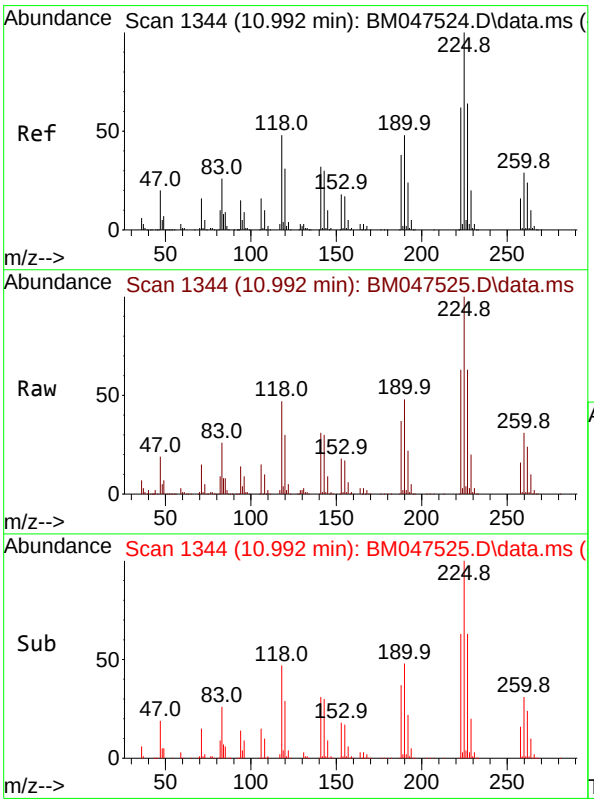
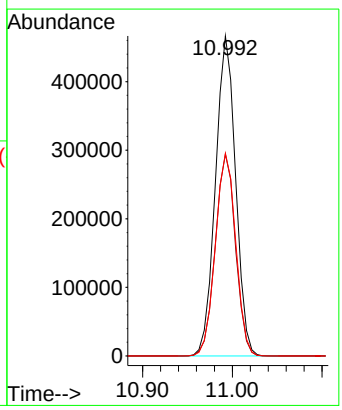
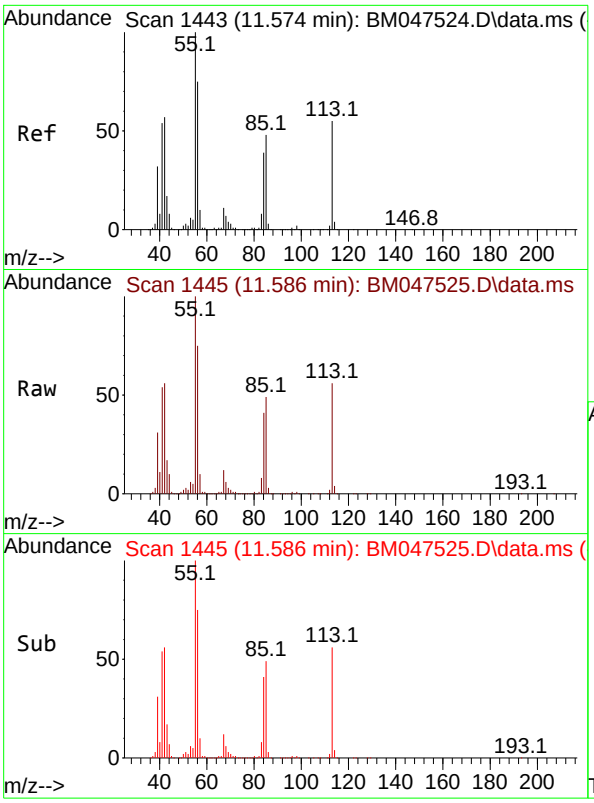


#34
Hexachlorobutadiene
Concen: 49.322 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
BNA_M
ClientSampleId :
SSTDICC050

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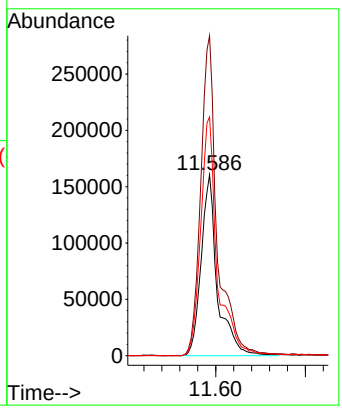
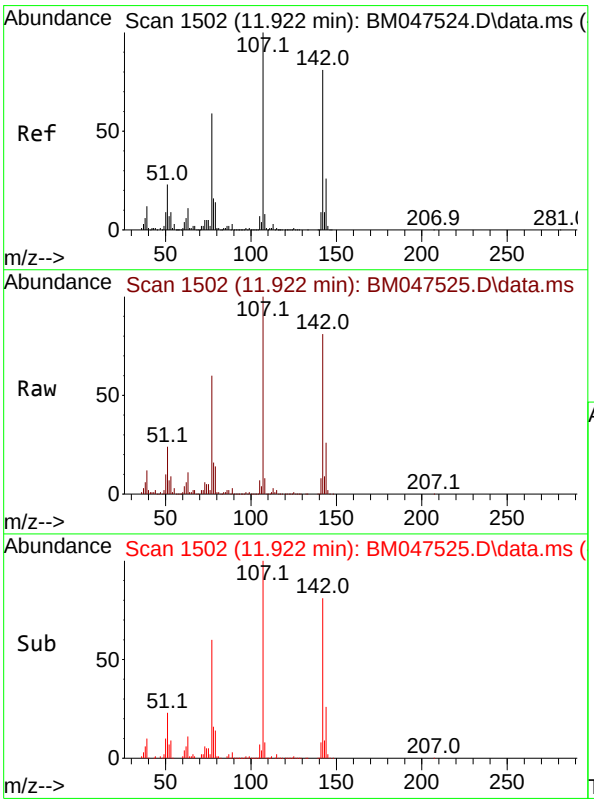
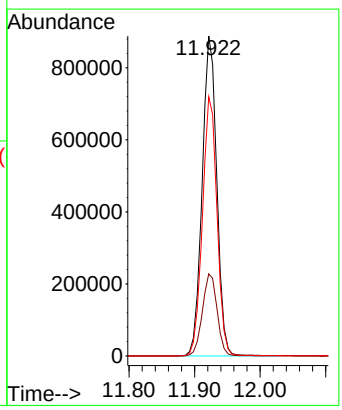


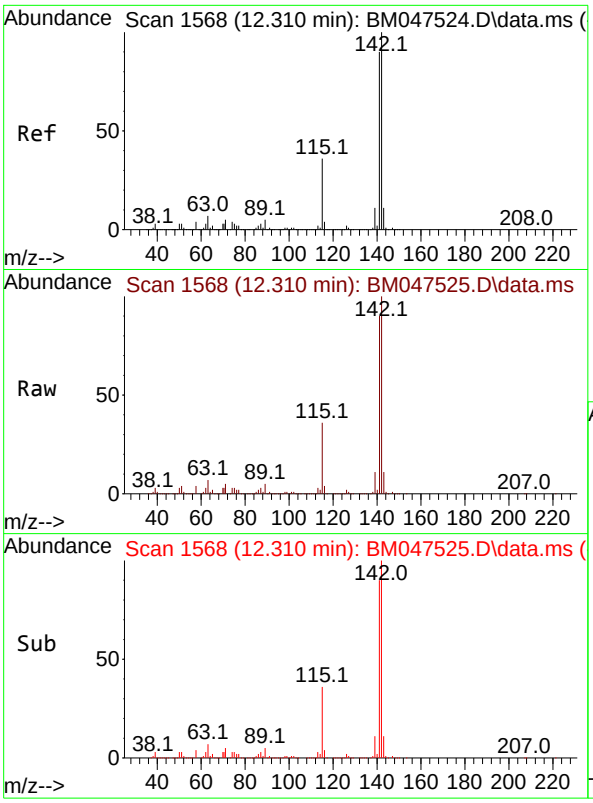


#36
4-Chloro-3-methylphenol
Concen: 51.697 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

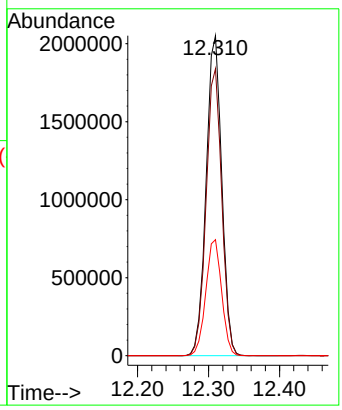




#37
2-Methylnaphthalene
Concen: 50.577 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
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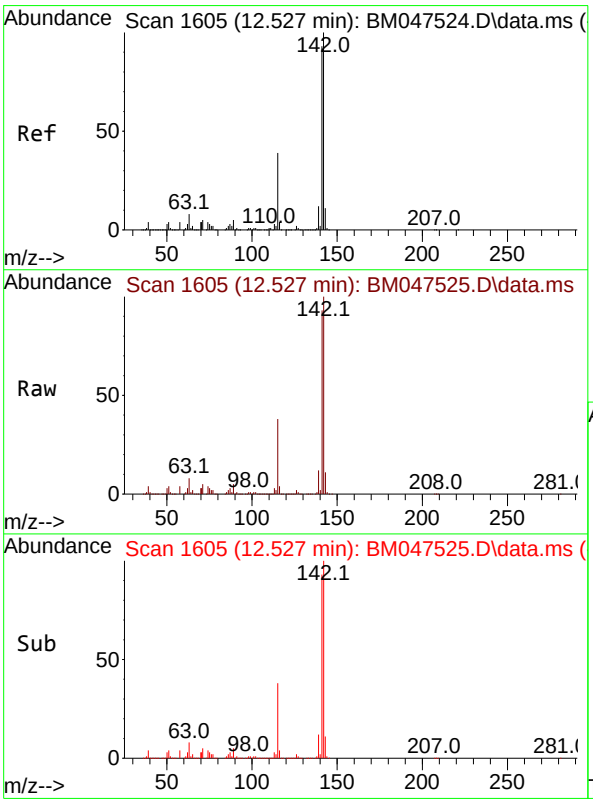
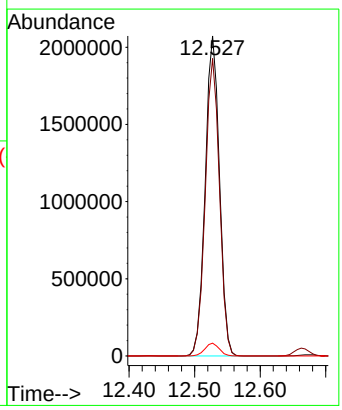
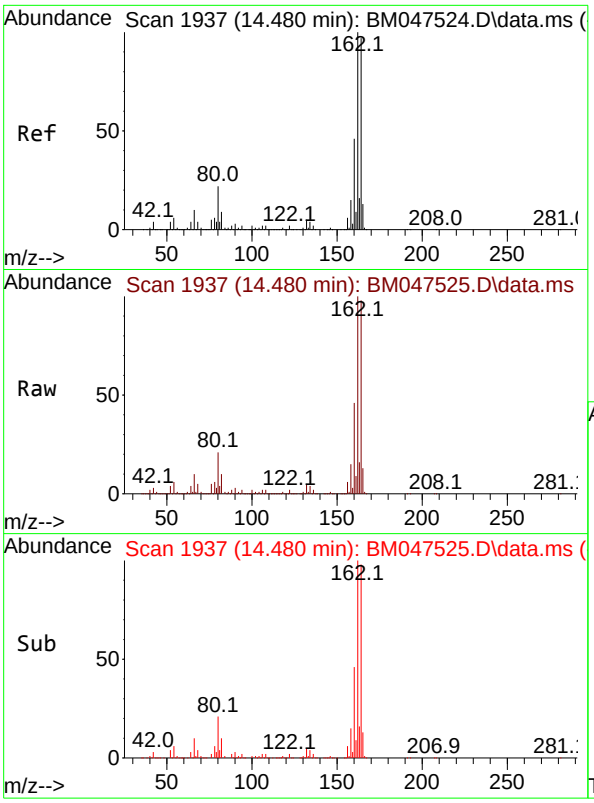


#38
1-Methylnaphthalene
Concen: 50.961 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

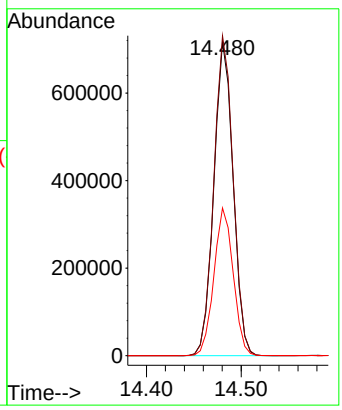




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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



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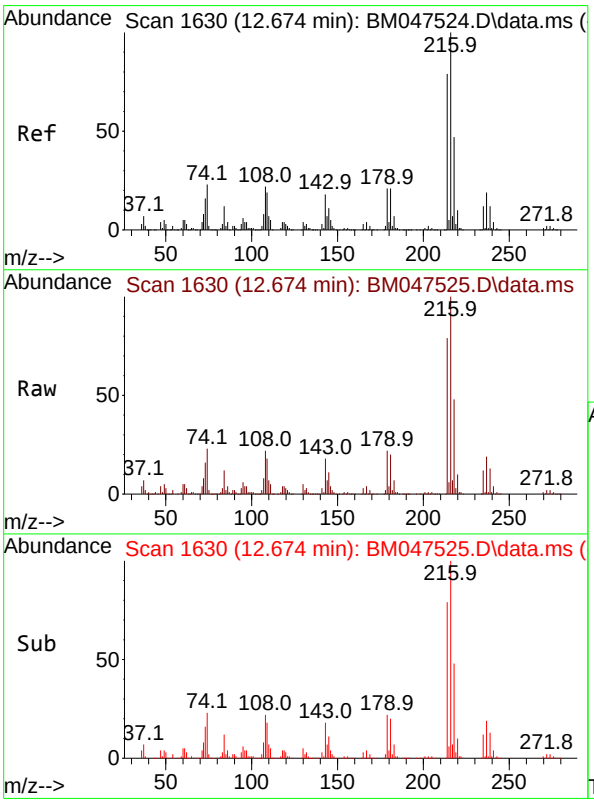
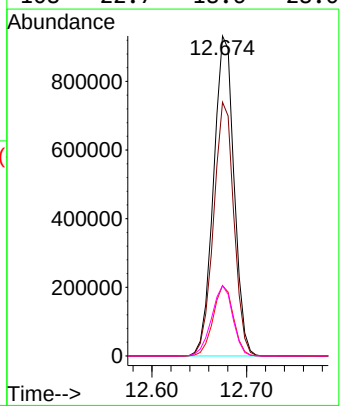
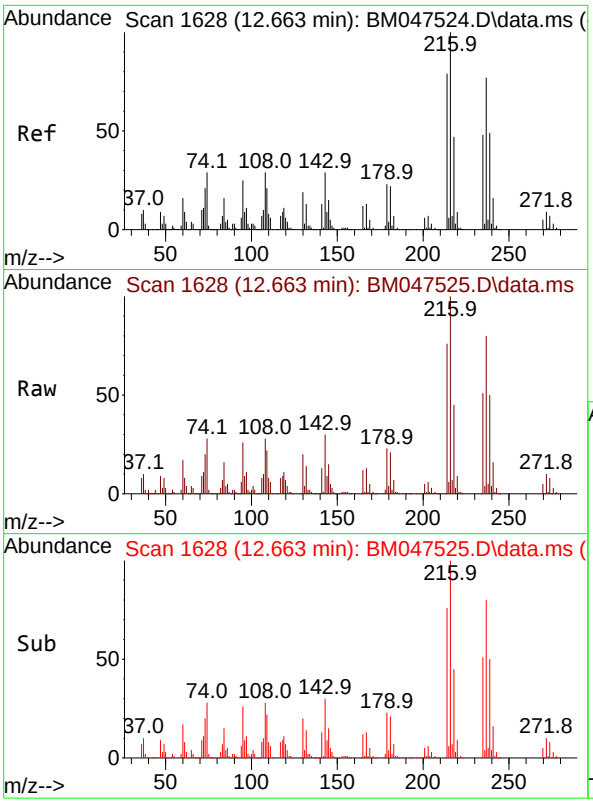


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.207 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
BNA_M
ClientSampleId :
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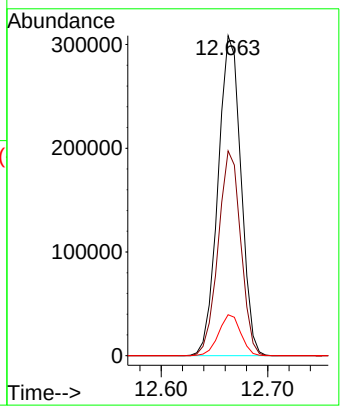
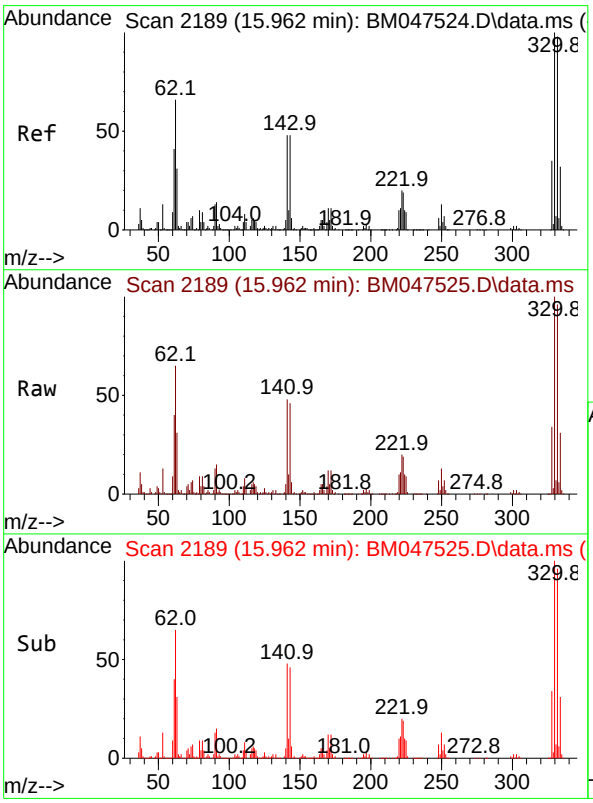
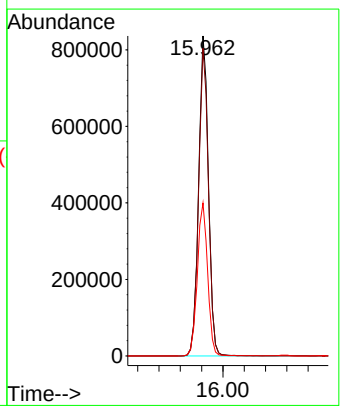


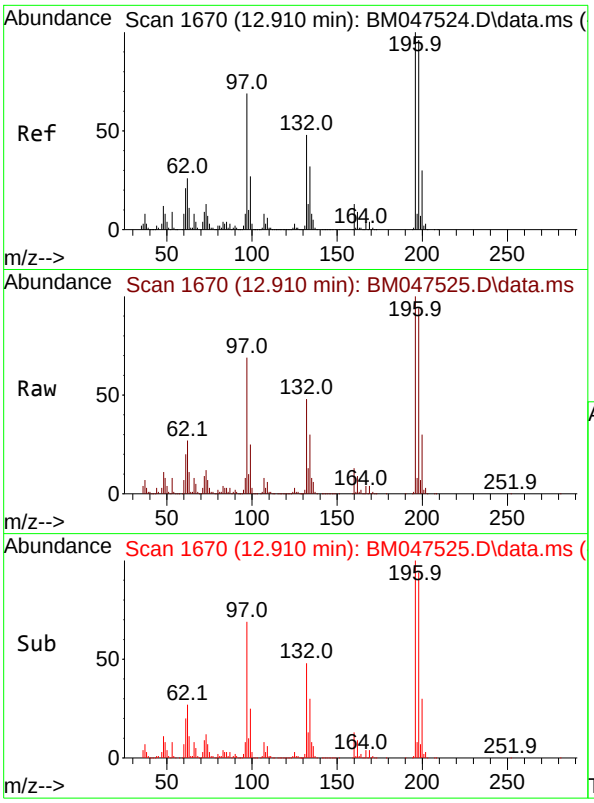


#42
2,4,6-Tribromophenol
Concen: 109.339 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

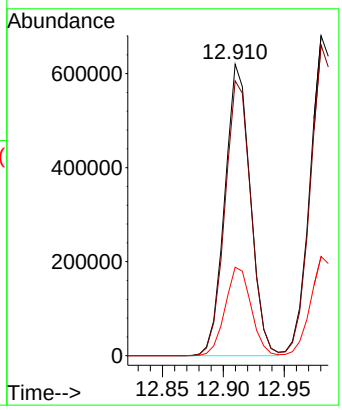




#43
2,4,6-Trichlorophenol
Concen: 52.782 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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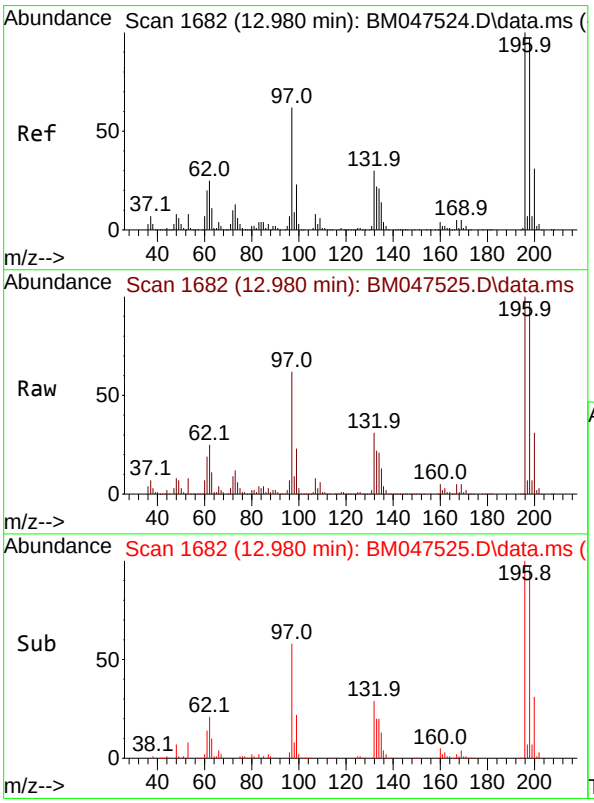
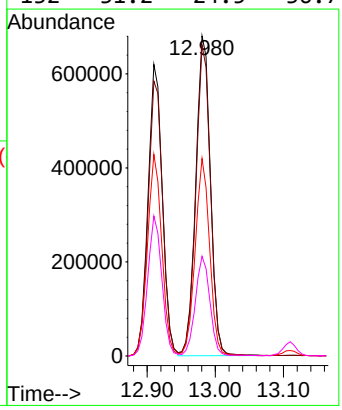
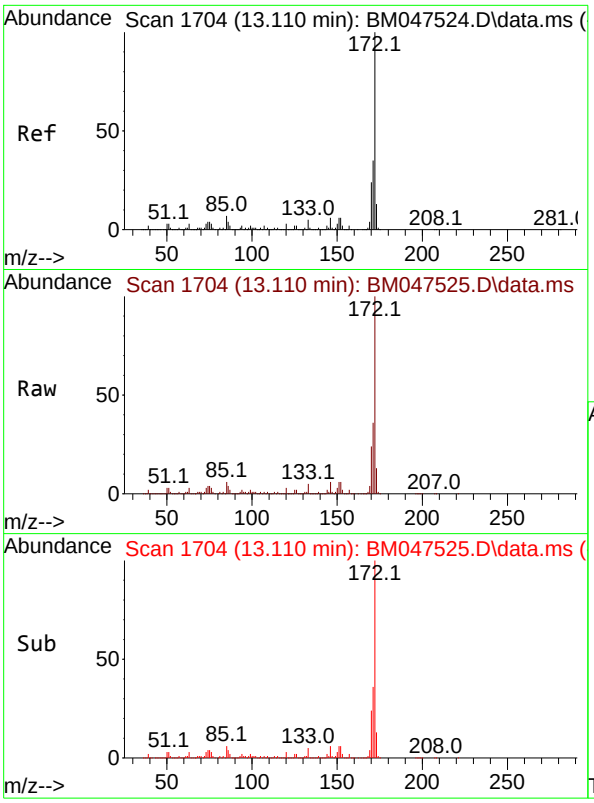


#44
2,4,5-Trichlorophenol
Concen: 52.552 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

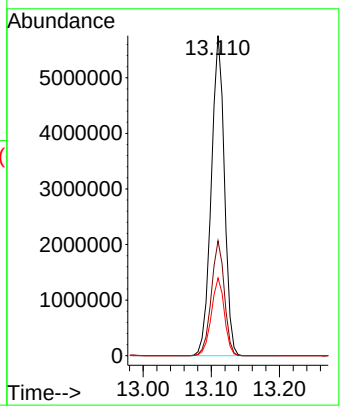




#45
2-Fluorobiphenyl
Concen: 104.898 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
BNA_M
ClientSampleId :
SSTDICC050

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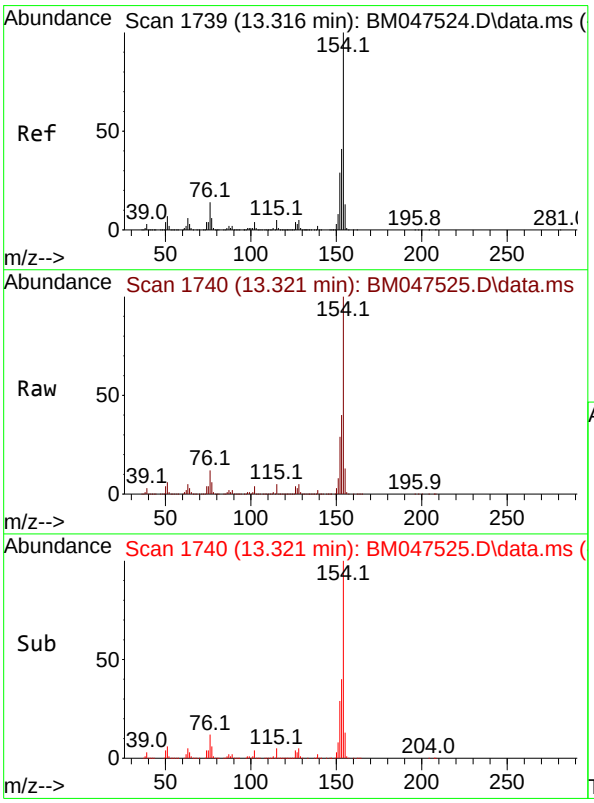
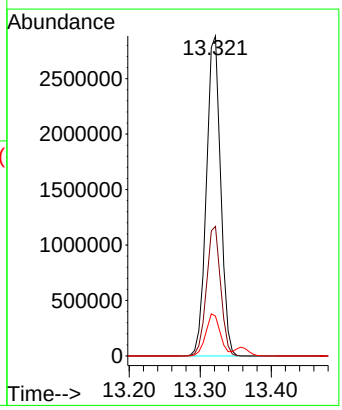
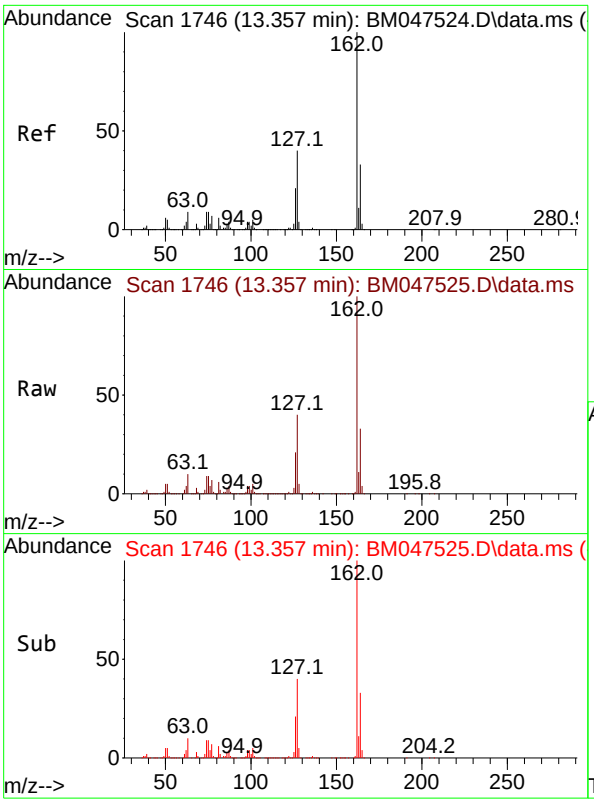


#46
1,1'-Biphenyl
Concen: 50.905 ng
RT: 13.321 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

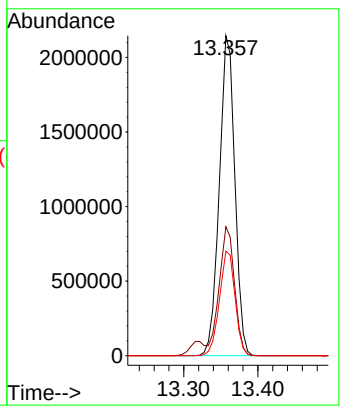




#47
2-Chloronaphthalene
Concen: 51.065 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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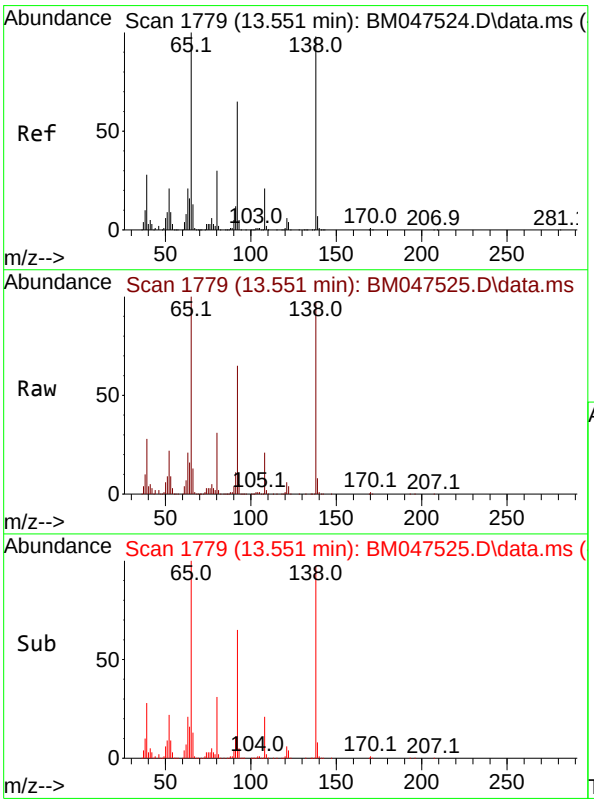
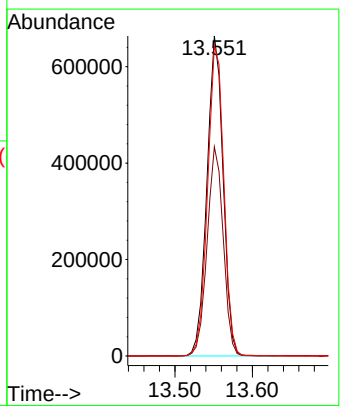
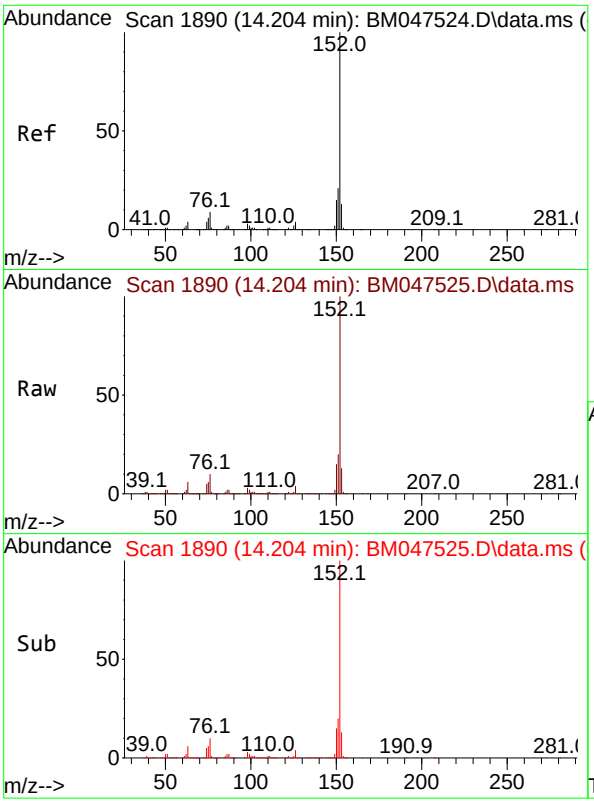


#48
2-Nitroaniline
Concen: 53.545 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

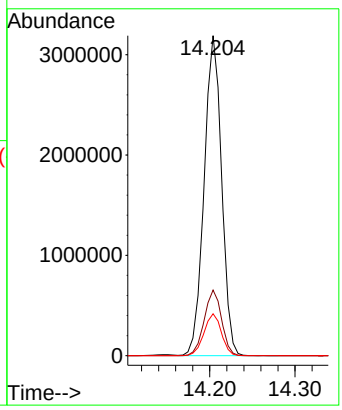




#49
Acenaphthylene
Concen: 51.383 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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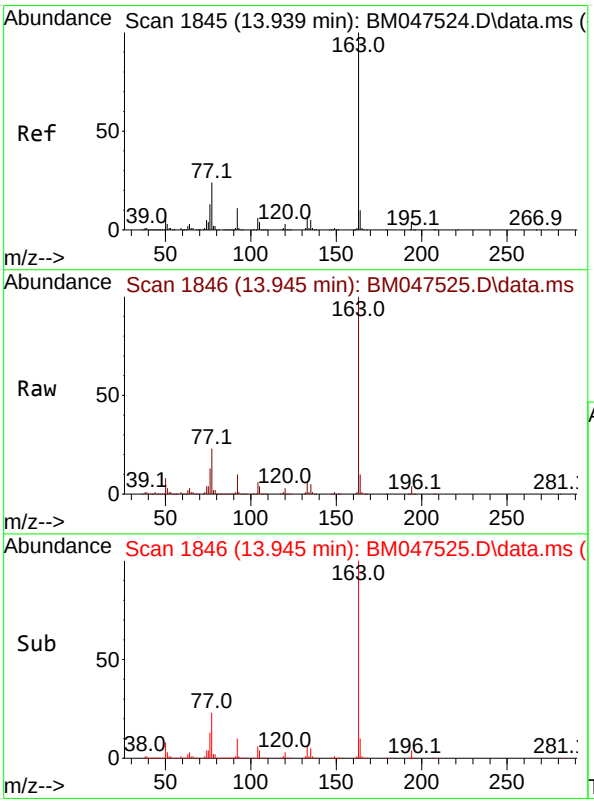
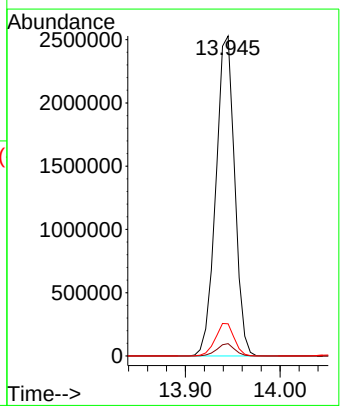
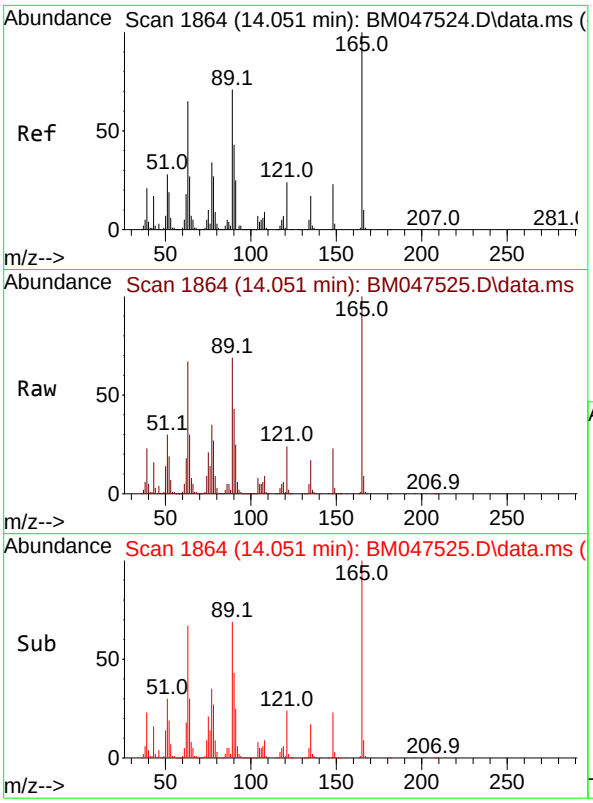


#50
Dimethylphthalate
Concen: 50.489 ng
RT: 13.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

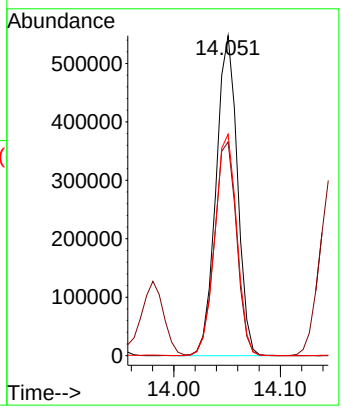




#51
2,6-Dinitrotoluene
Concen: 52.129 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
SSTDICC050

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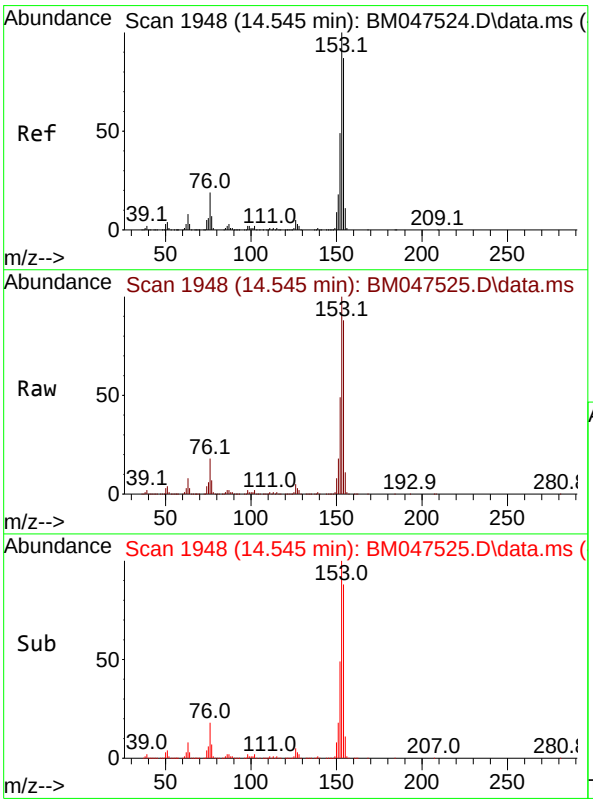
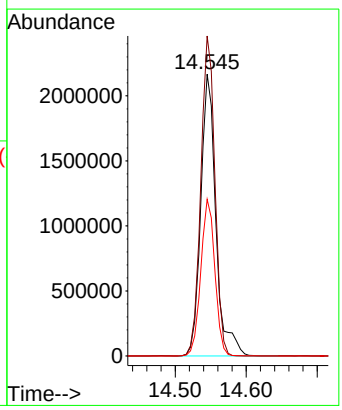
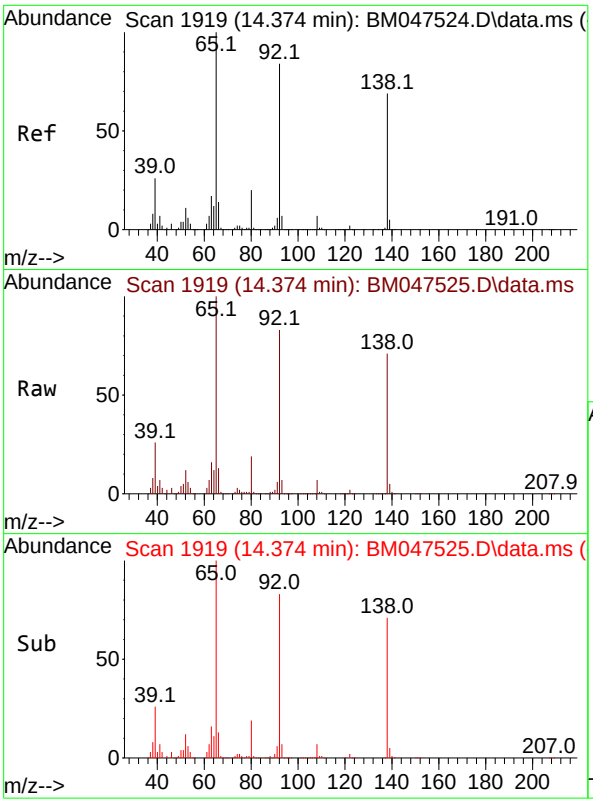


#52
Acenaphthene
Concen: 51.838 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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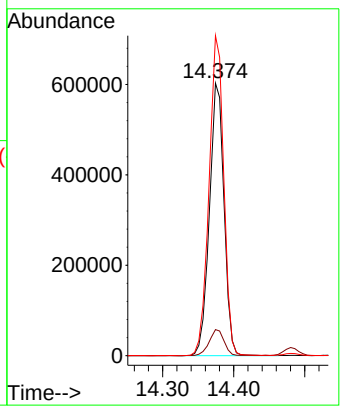
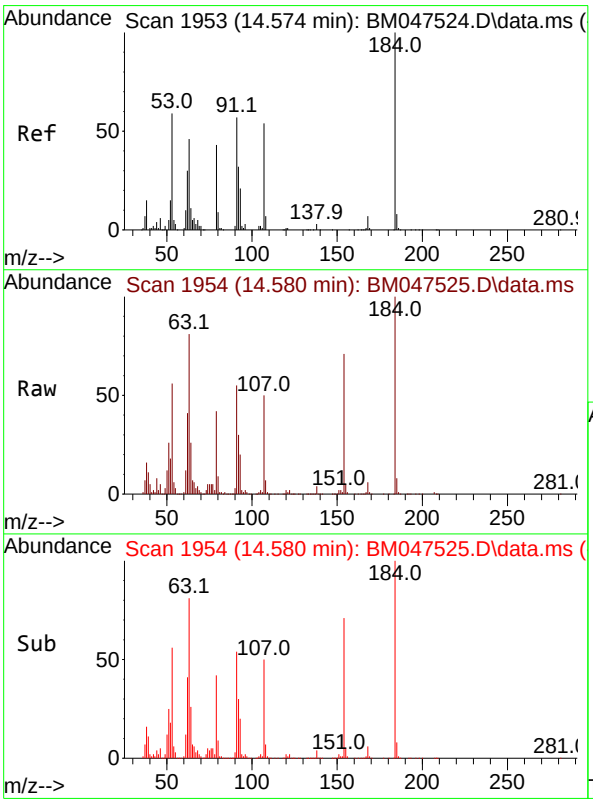
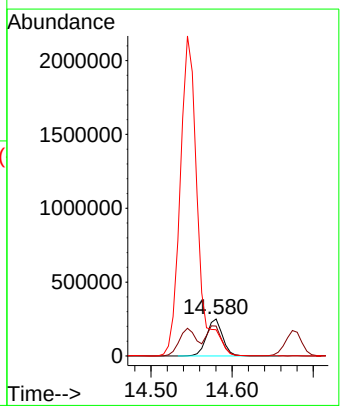


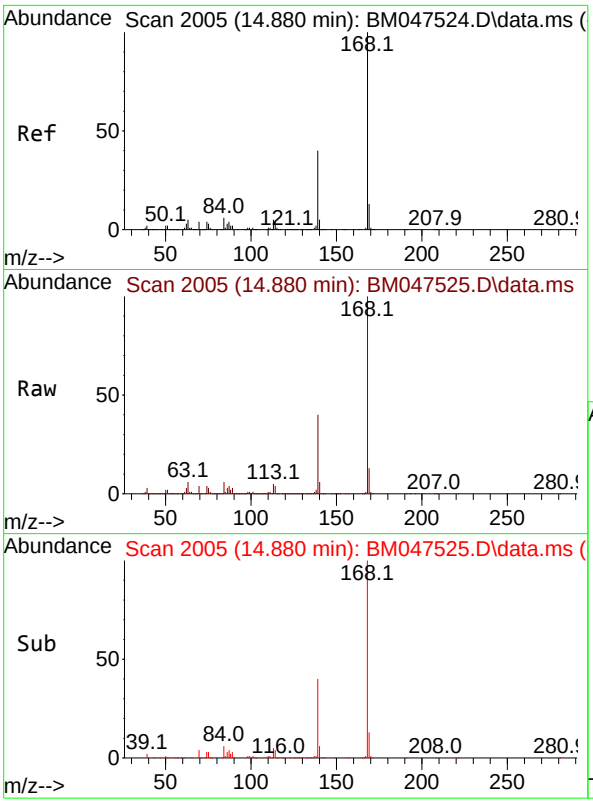


#54
2,4-Dinitrophenol
Concen: 49.904 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

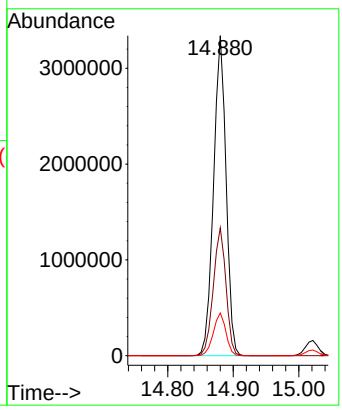




#55
Dibenzofuran
Concen: 50.752 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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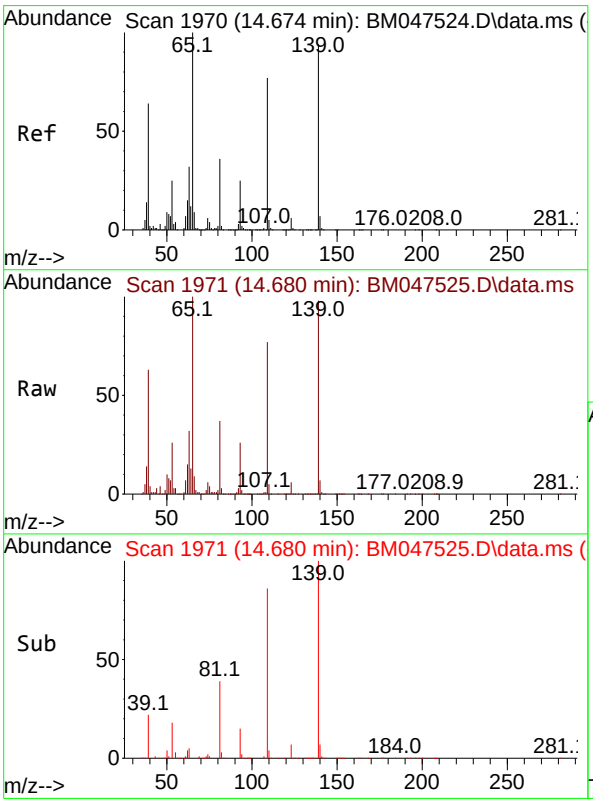
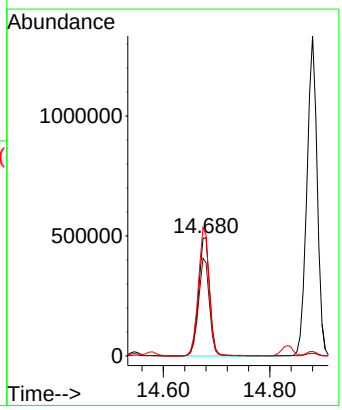
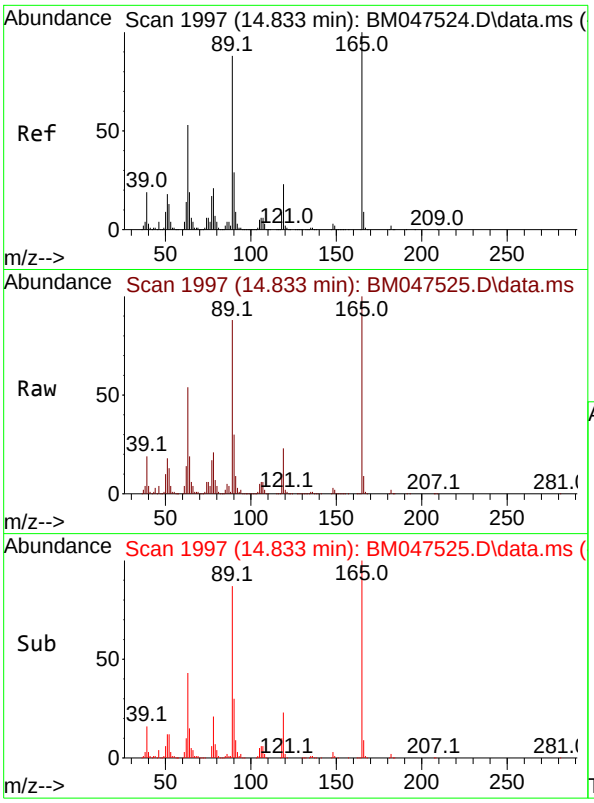


#56
4-Nitrophenol
Concen: 53.975 ng
RT: 14.680 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

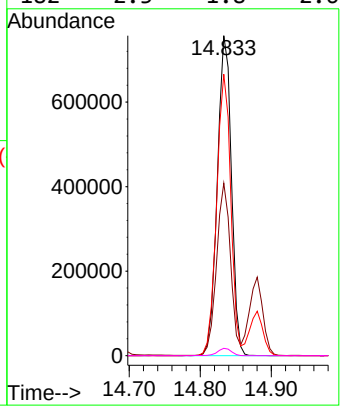




#57
2,4-Dinitrotoluene
Concen: 53.310 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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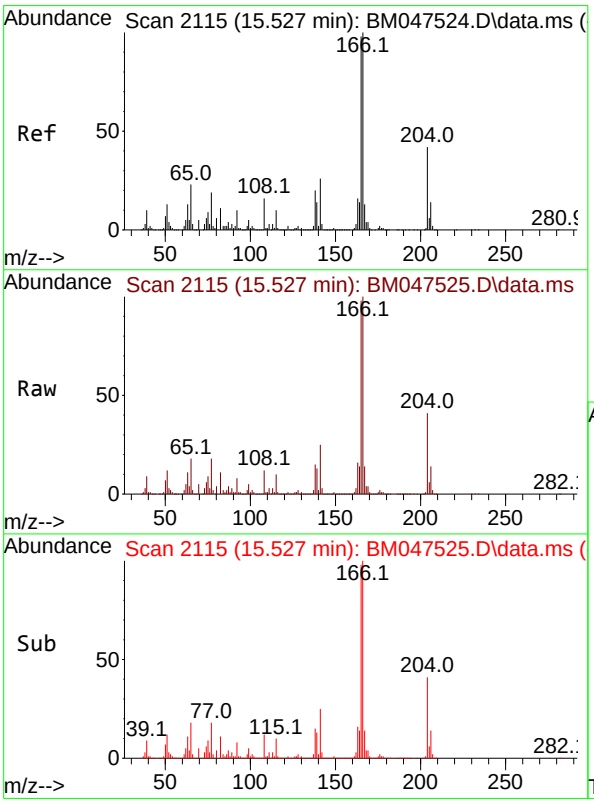
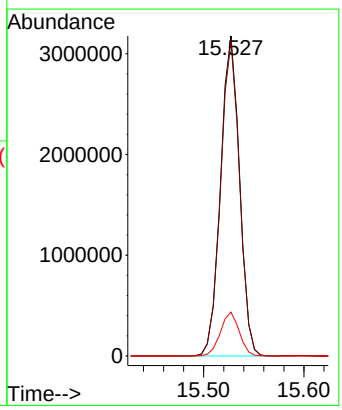
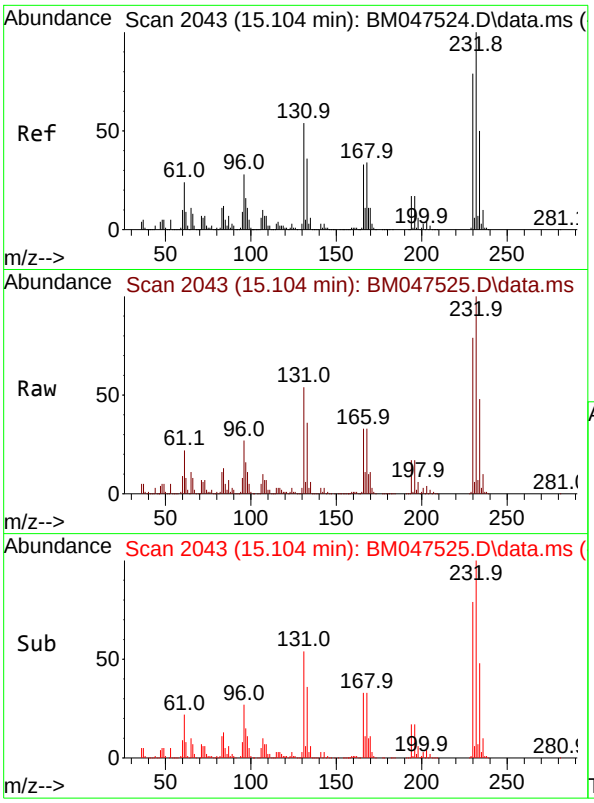


#58
Fluorene
Concen: 53.124 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

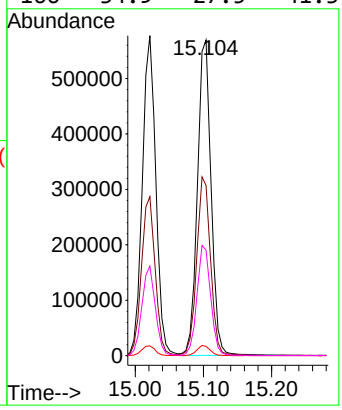




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.397 ng
RT: 15.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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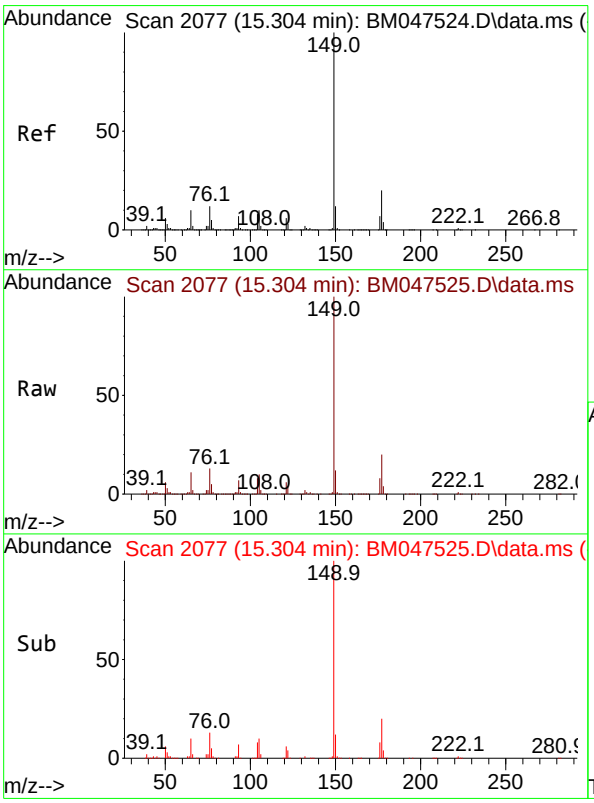
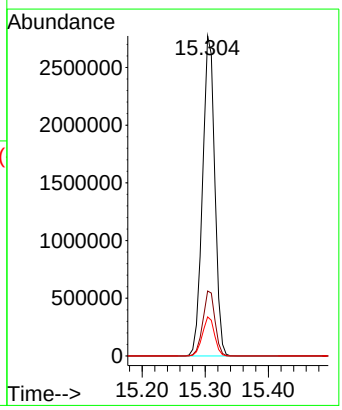
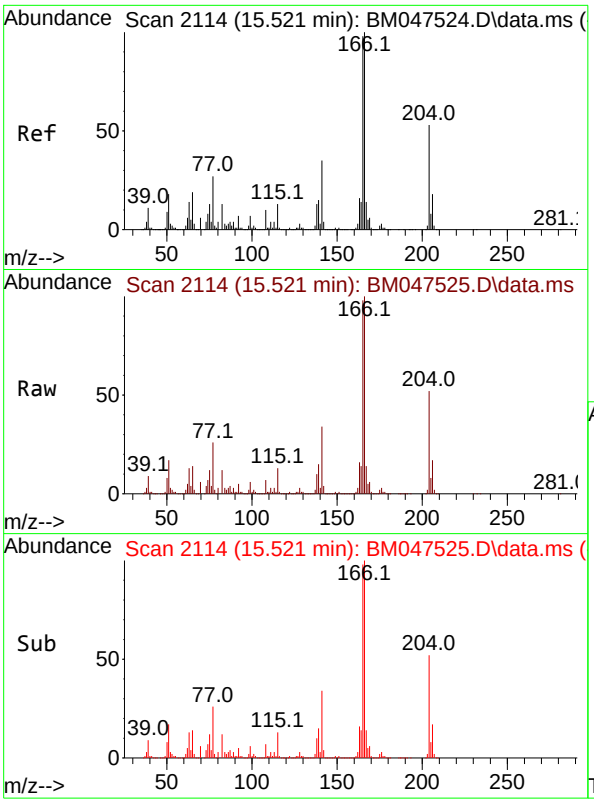


#60
Diethylphthalate
Concen: 50.766 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

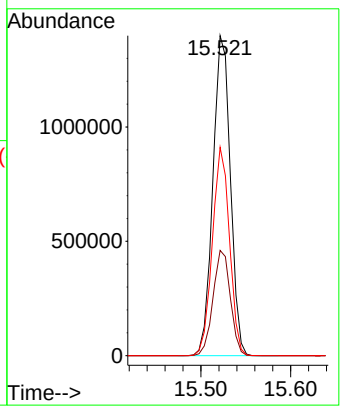




#61
4-Chlorophenyl-phenylether
Concen: 52.727 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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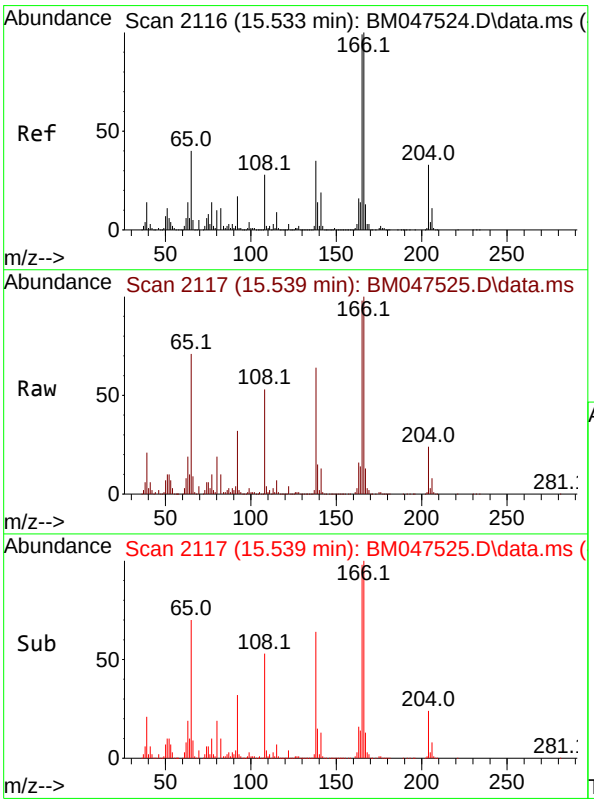
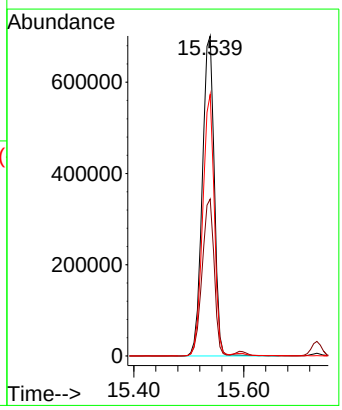
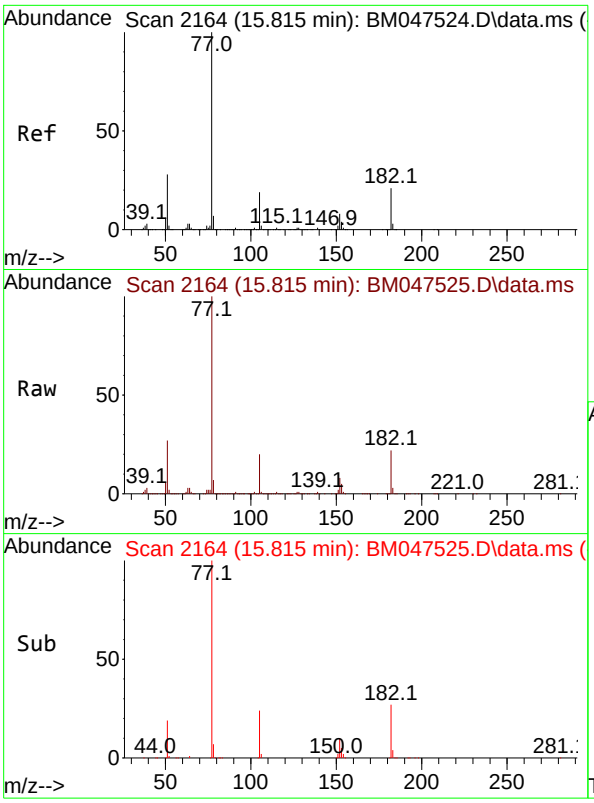


#62
4-Nitroaniline
Concen: 55.490 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

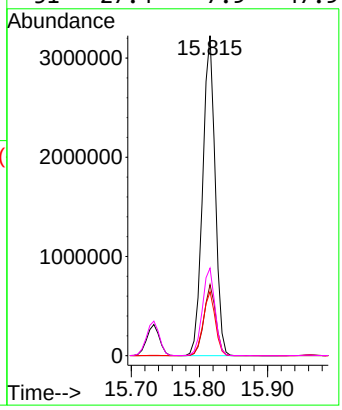




#63
Azobenzene
Concen: 50.661 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
BNA_M
ClientSampleId :
SSTDICC050

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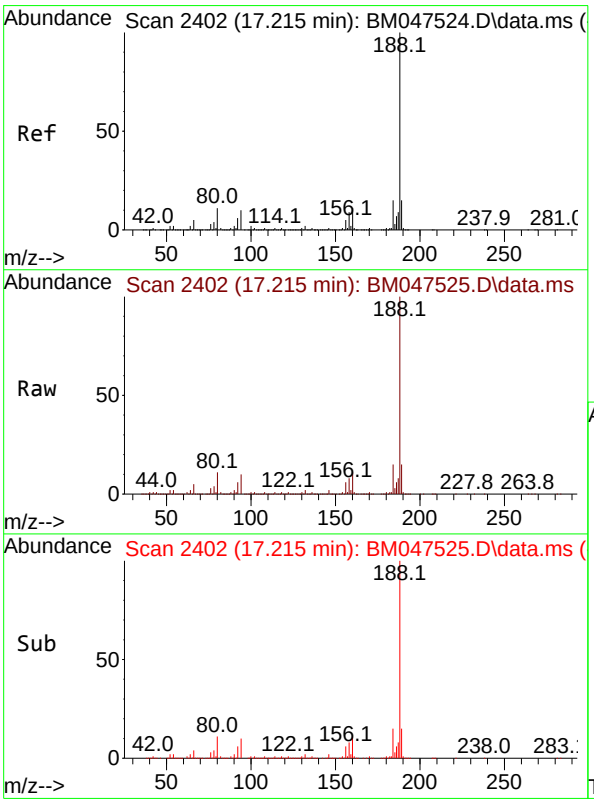
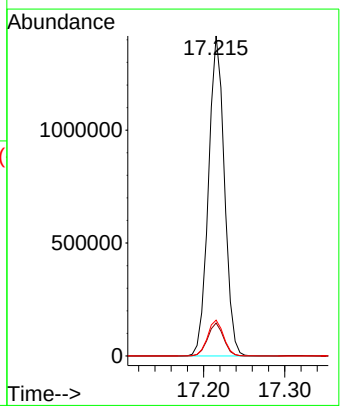
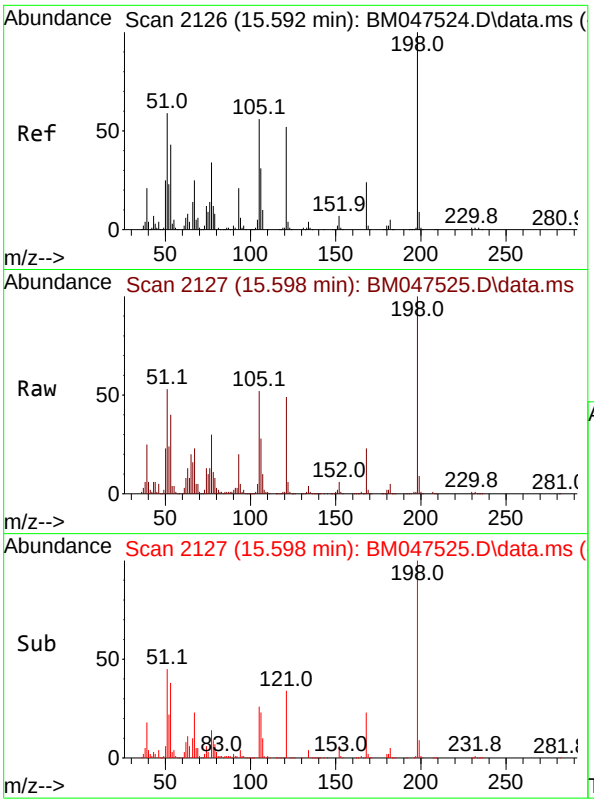


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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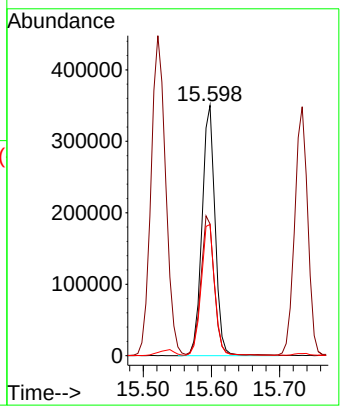
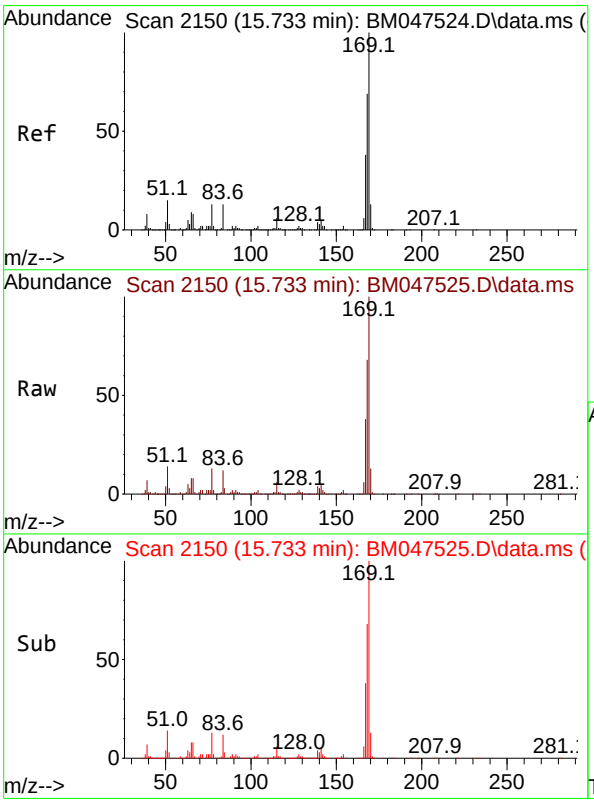
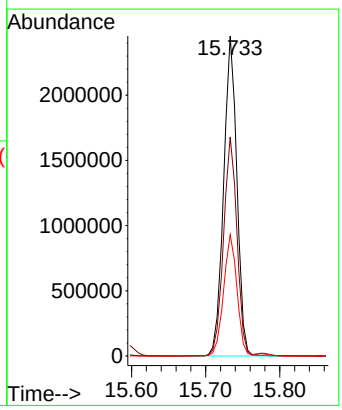


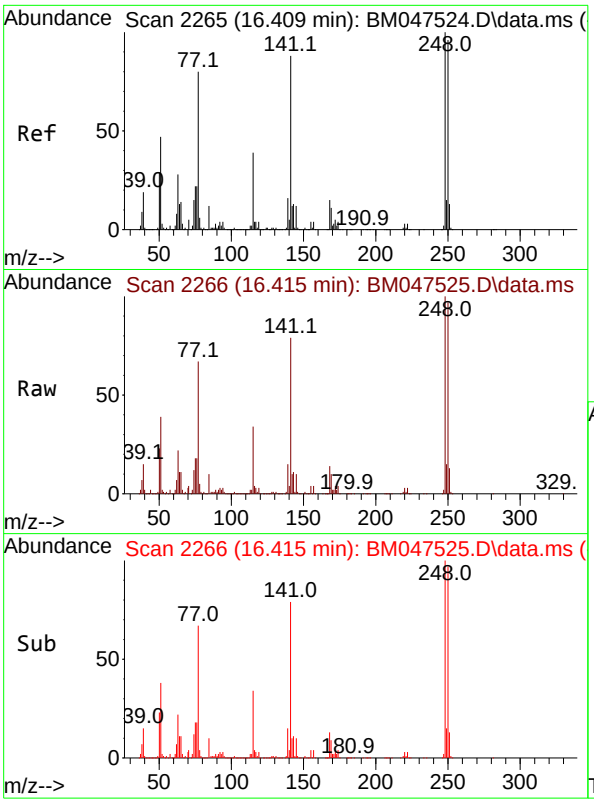


#66
n-Nitrosodiphenylamine
Concen: 51.751 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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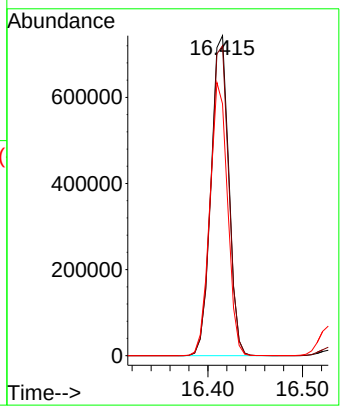
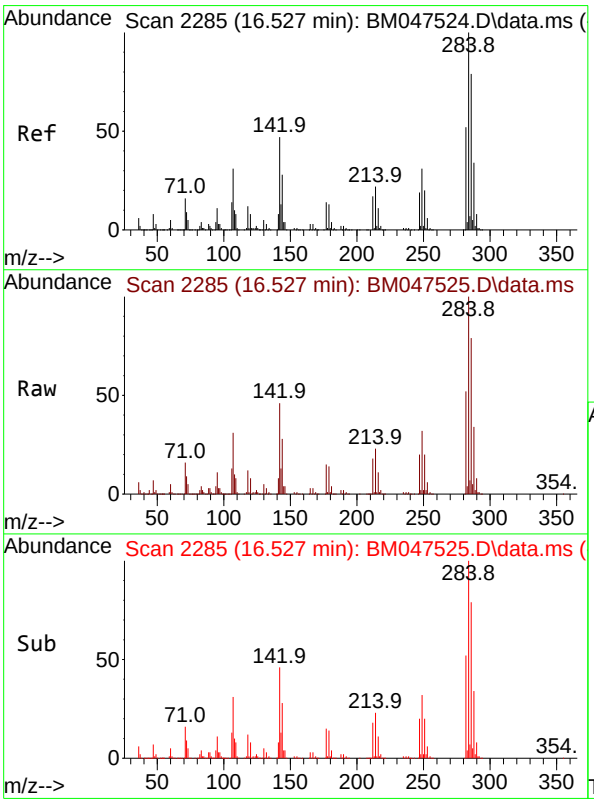
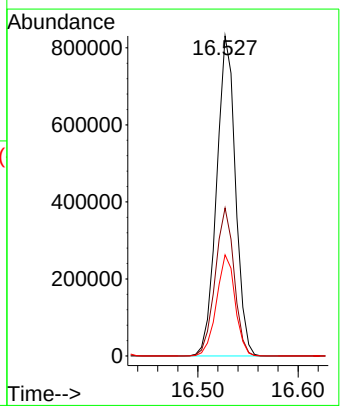


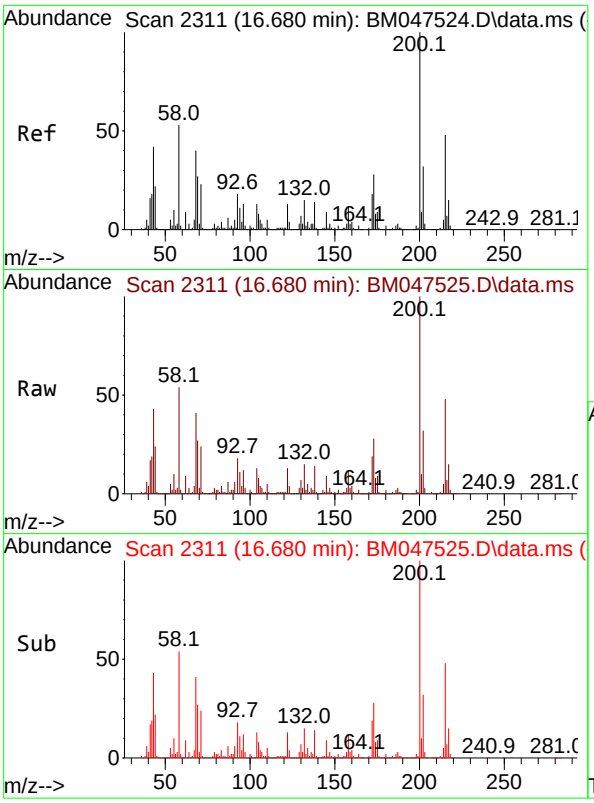


#68
Hexachlorobenzene
Concen: 50.942 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
SSTDICC050

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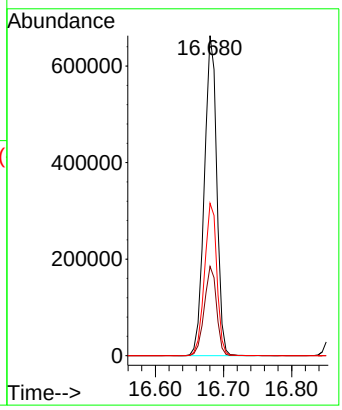
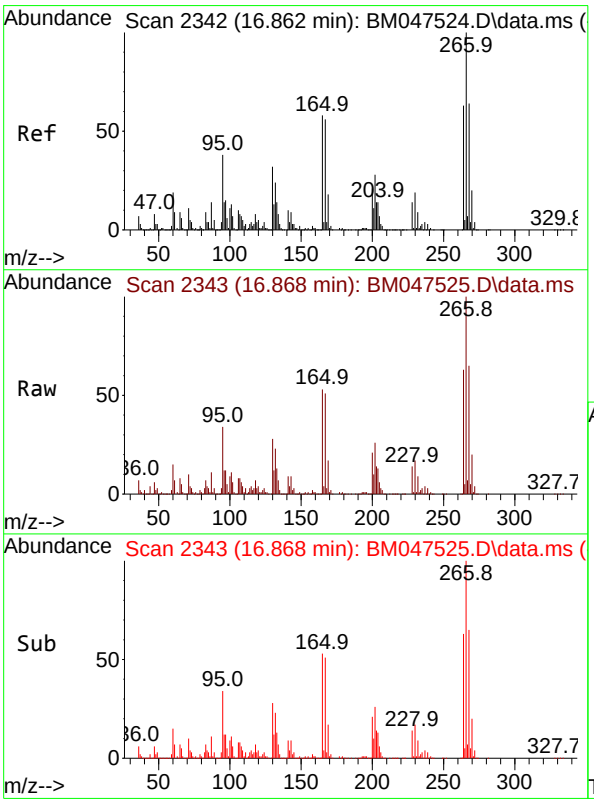
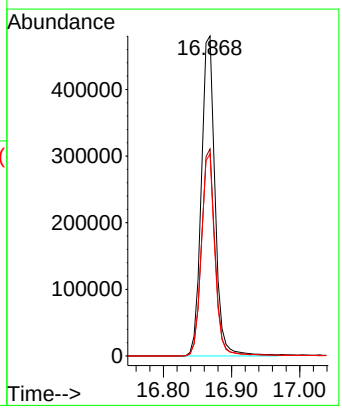


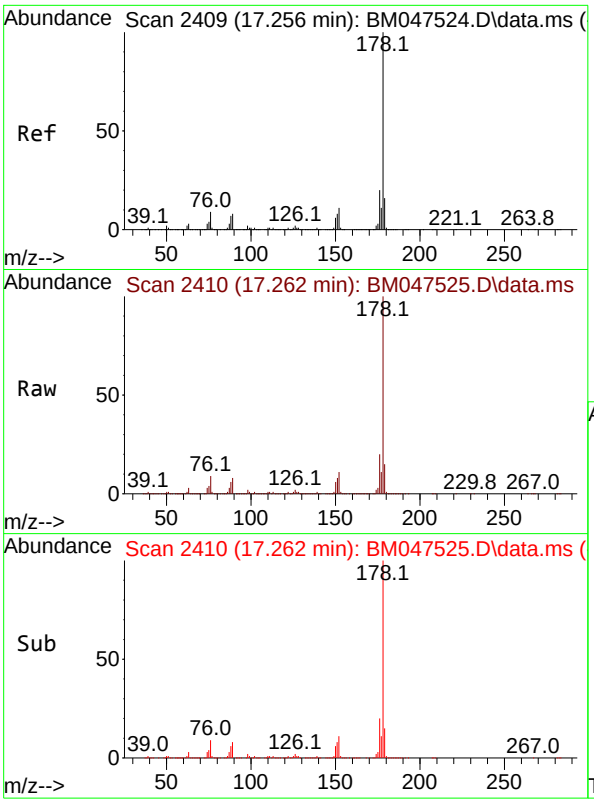


#70
Pentachlorophenol
Concen: 54.737 ng
RT: 16.868 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

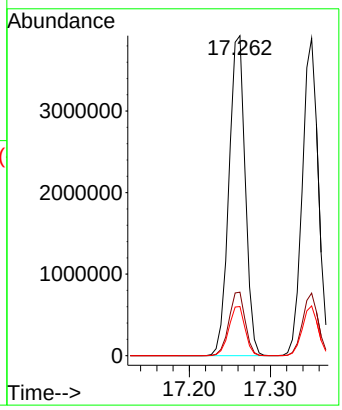




#71
Phenanthrene
Concen: 51.315 ng
RT: 17.262 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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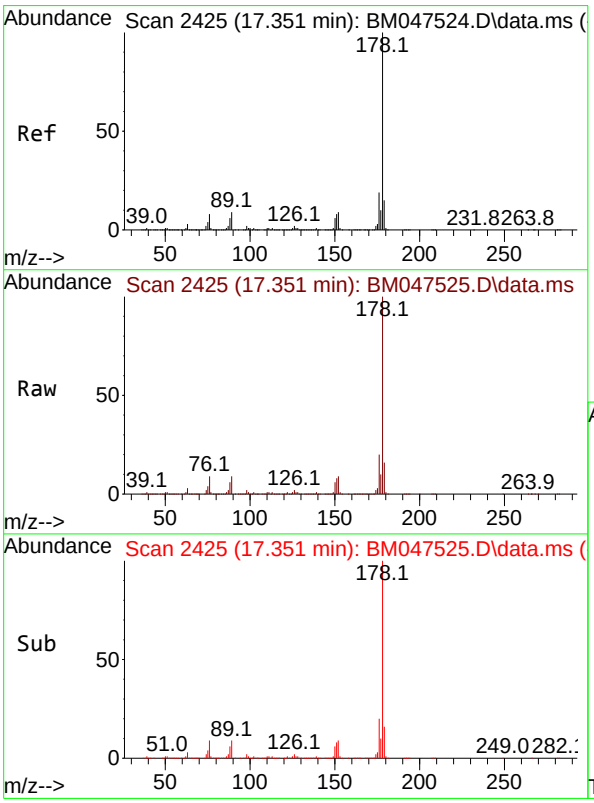
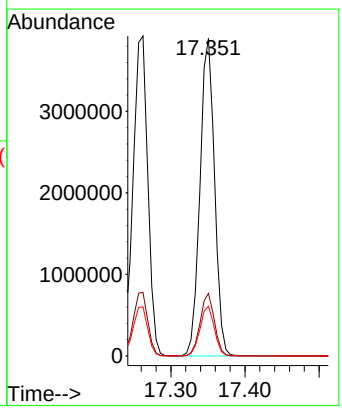
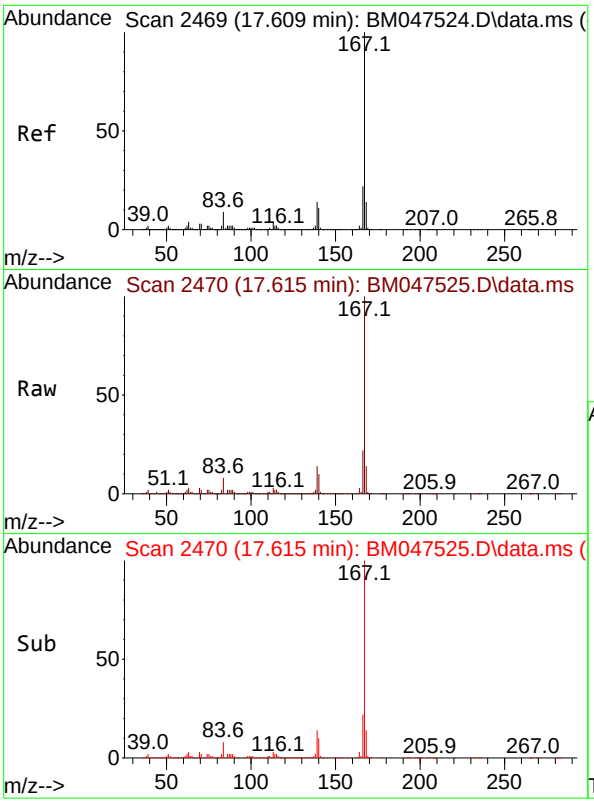


#72
Anthracene
Concen: 52.053 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

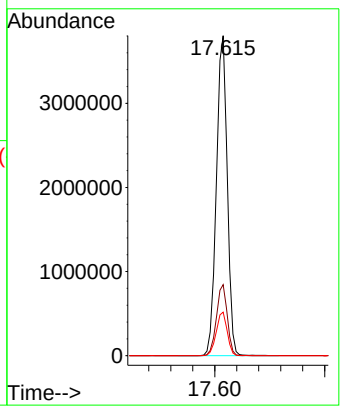




#73
Carbazole
Concen: 51.703 ng
RT: 17.615 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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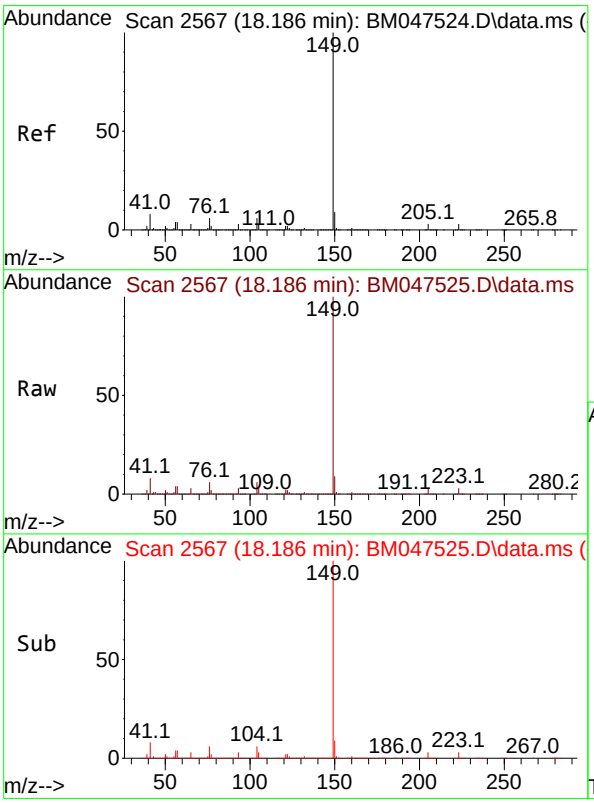
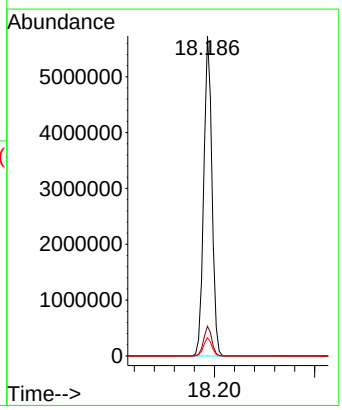
Supervised By :mohammad ahmed 09/17/2024

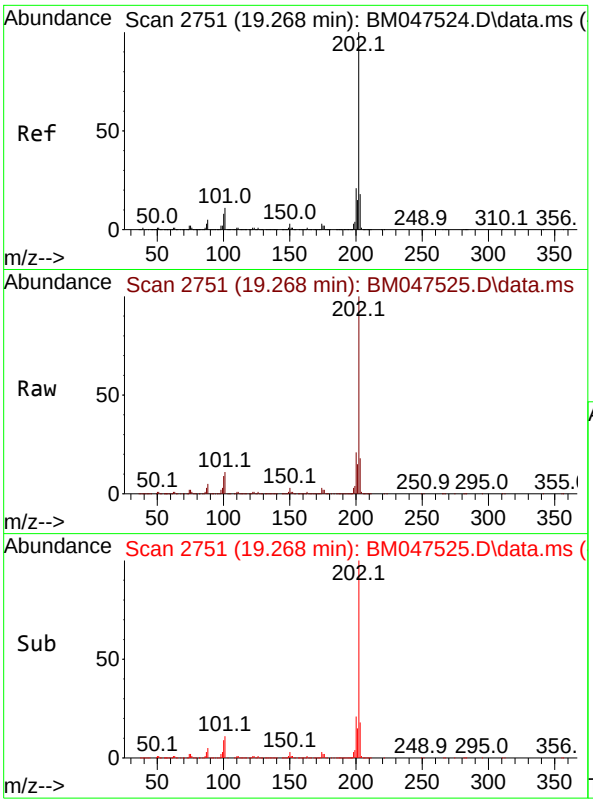


#74
Di-n-butylphthalate
Concen: 53.702 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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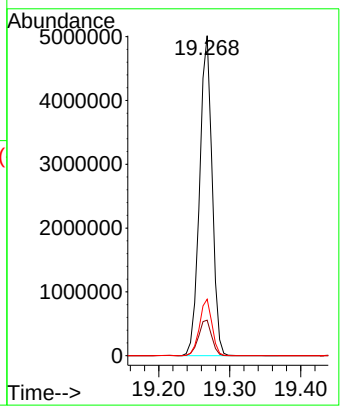
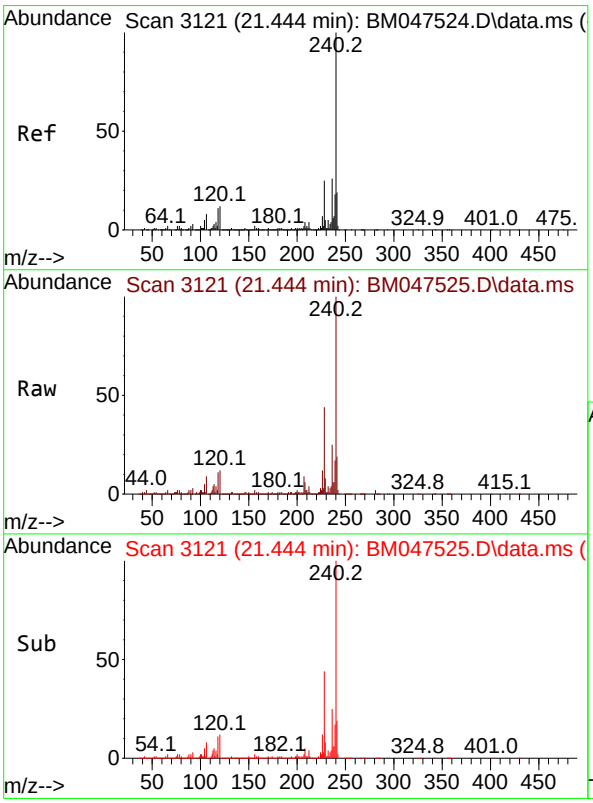
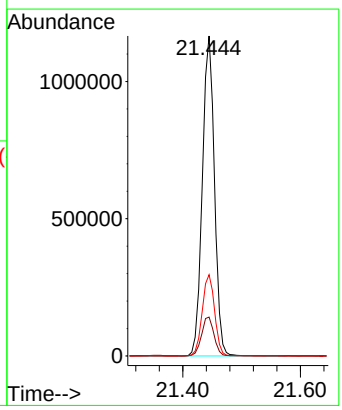


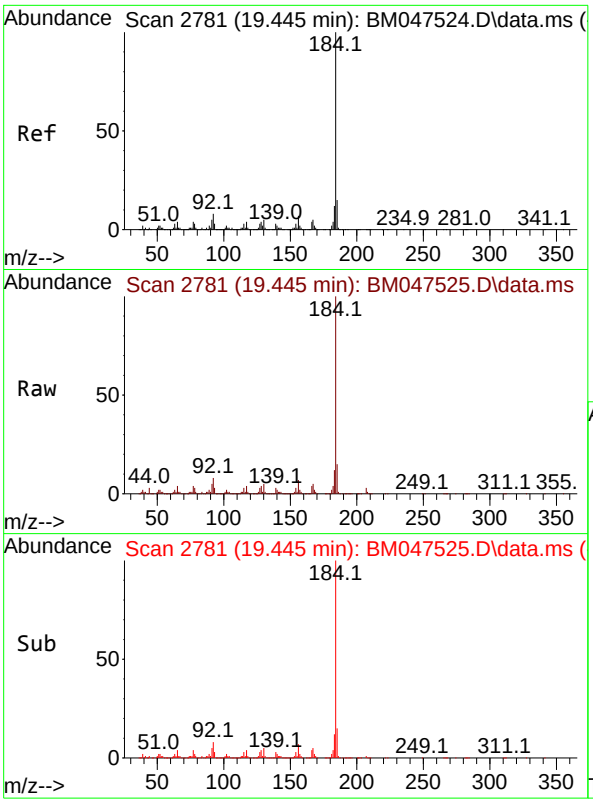


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

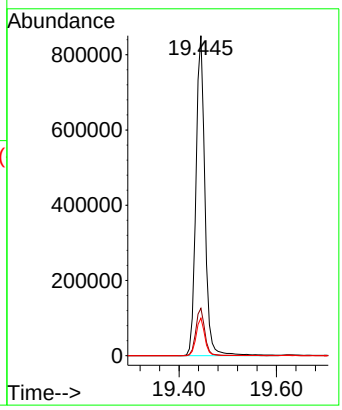




#77
Benzidine
Concen: 46.978 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
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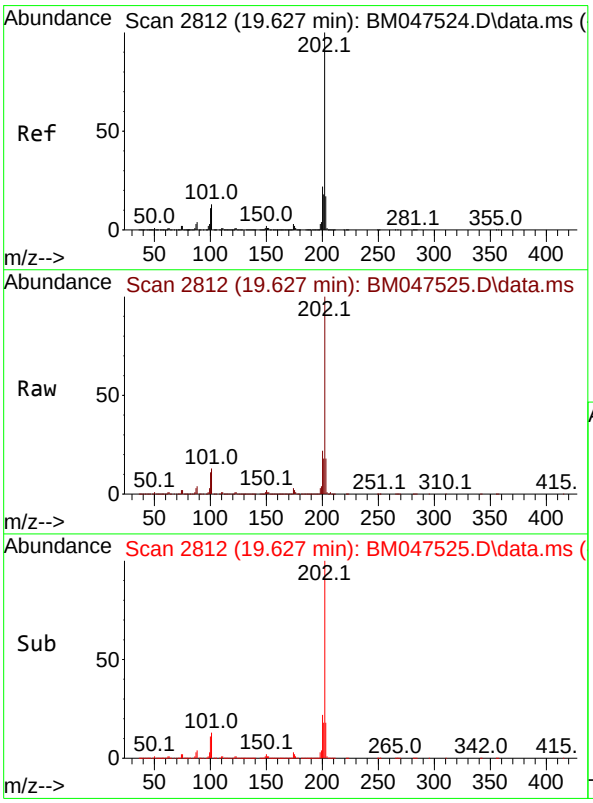
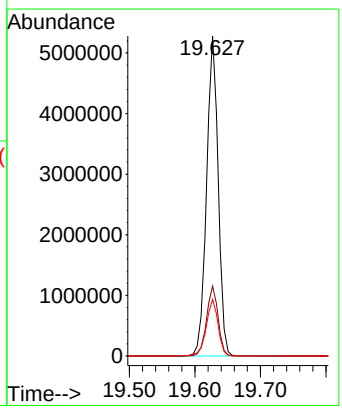
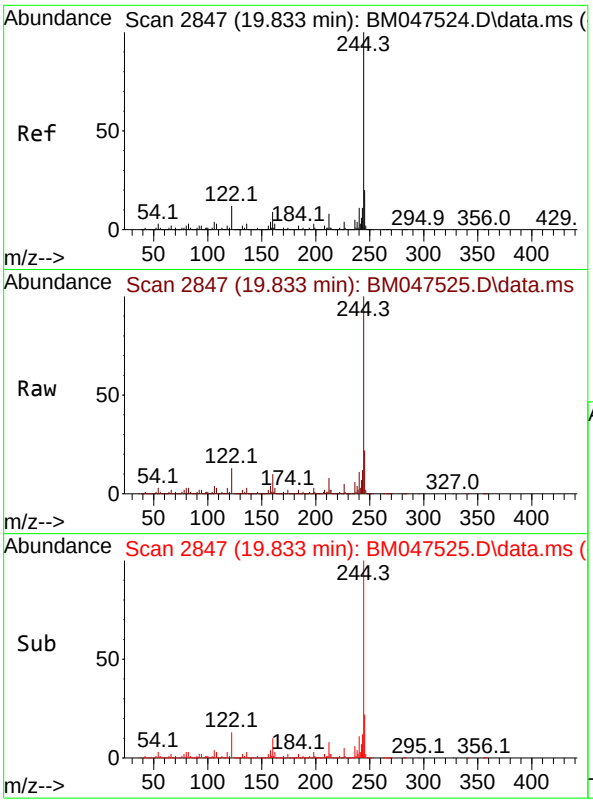


#78
Pyrene
Concen: 53.600 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

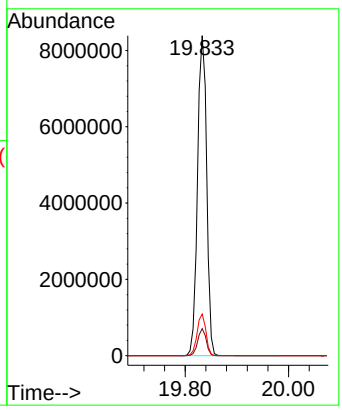




#79
Terphenyl-d14
Concen: 110.997 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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ClientSampleId :
SSTDICC050

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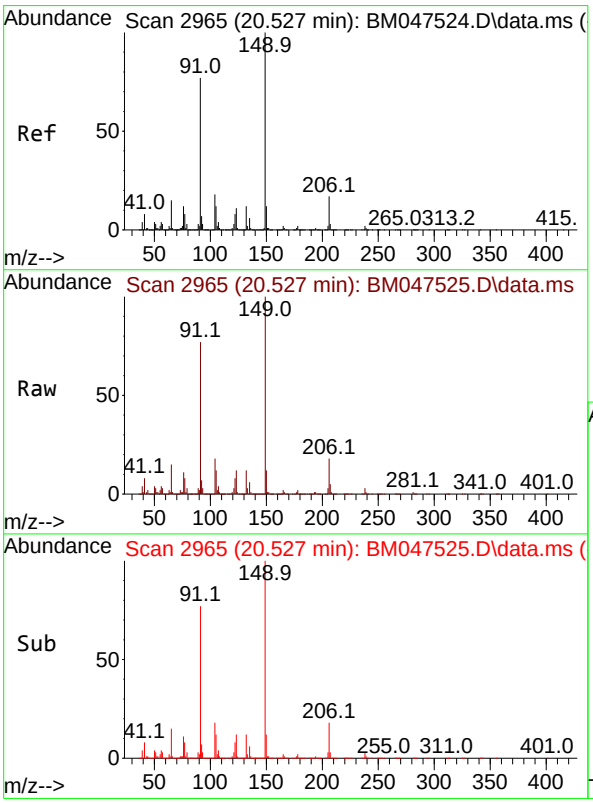
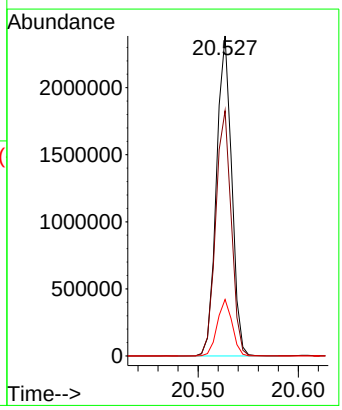
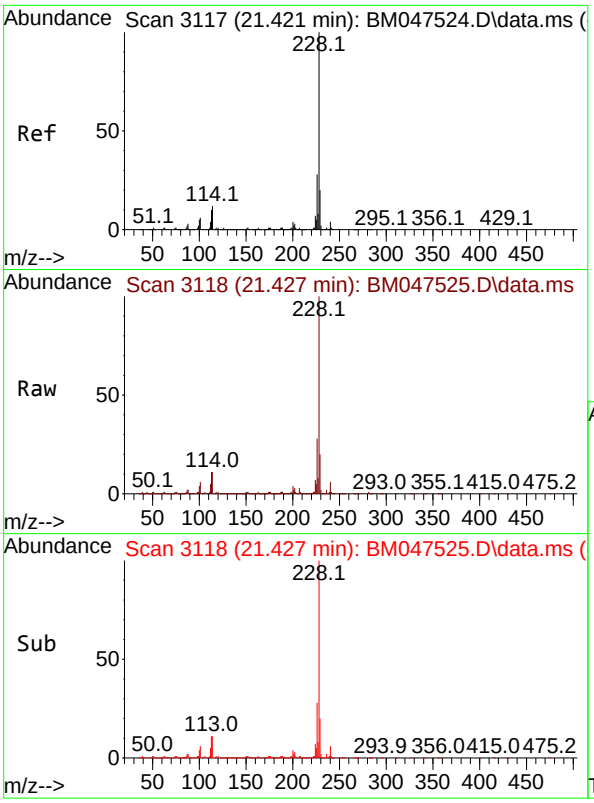


#80
Butylbenzylphthalate
Concen: 53.774 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
SSTDICC050

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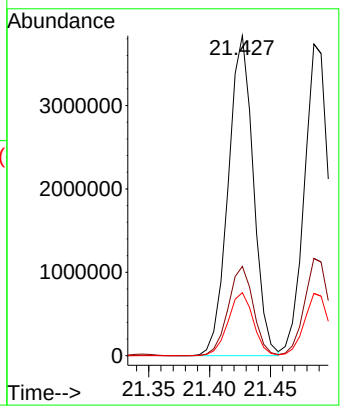
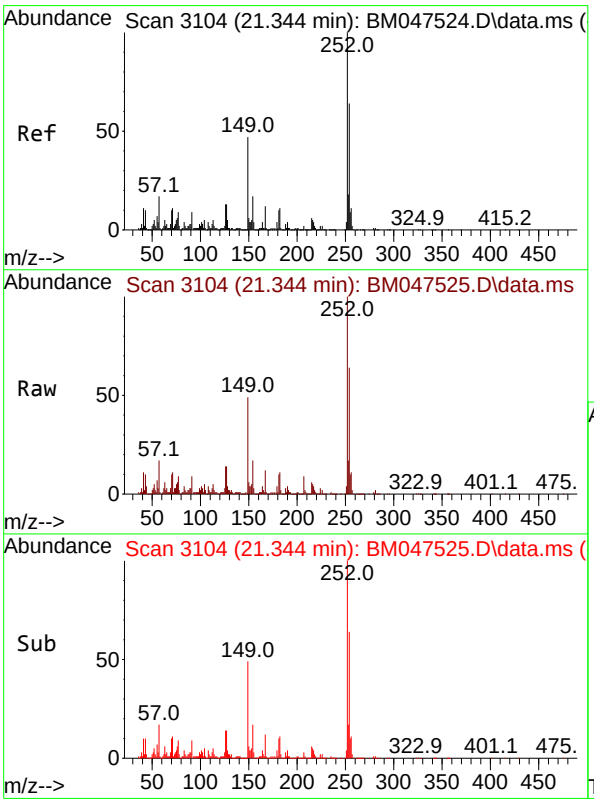
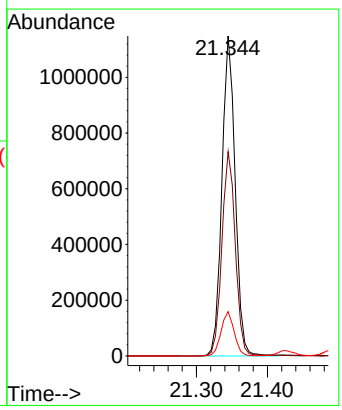


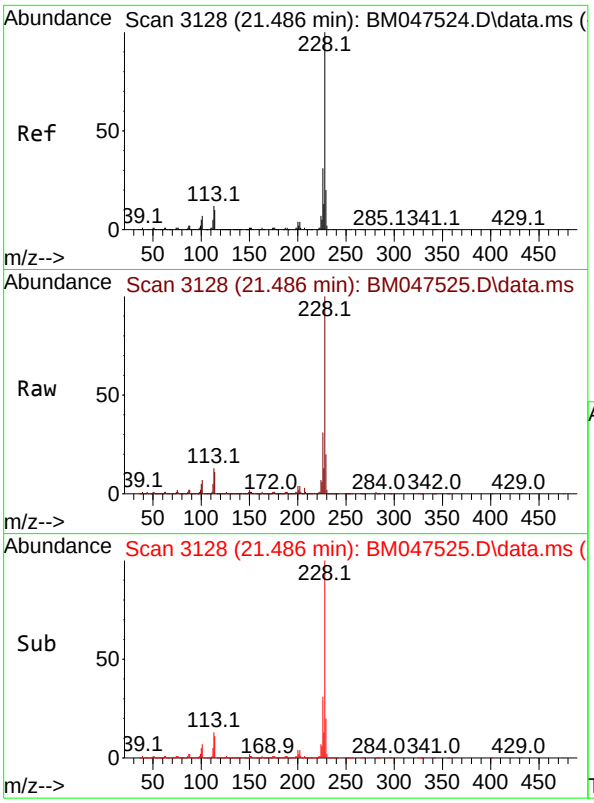


#82
3,3'-Dichlorobenzidine
Concen: 51.333 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

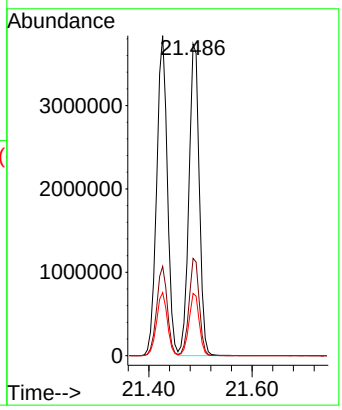




#83
Chrysene
Concen: 50.689 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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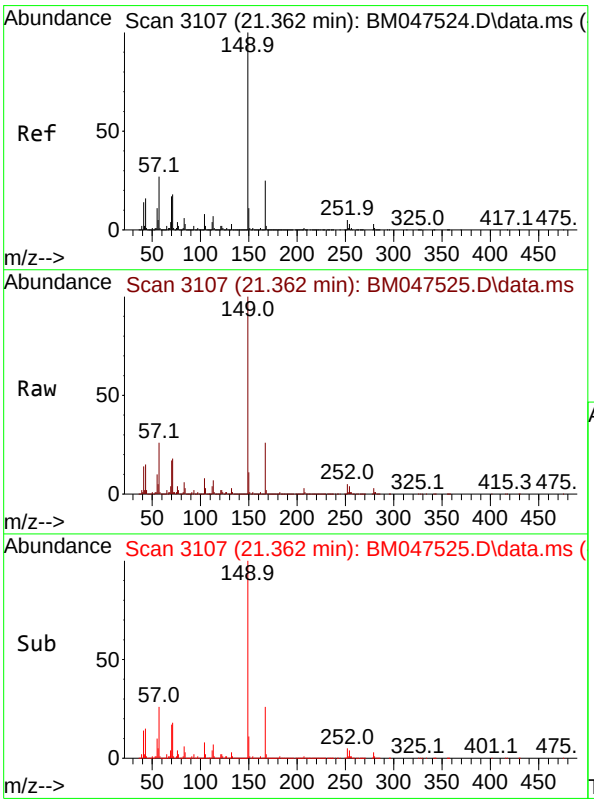
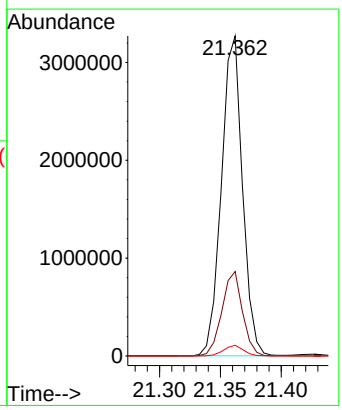
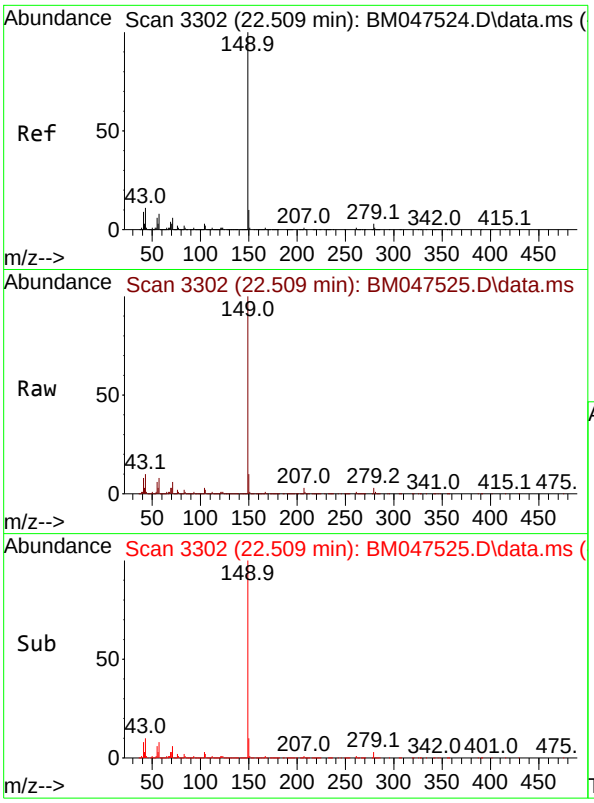


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.839 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

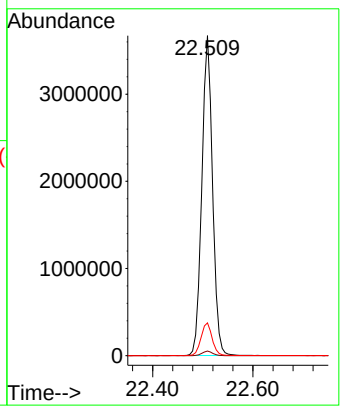




#85
Di-n-octyl phthalate
Concen: 52.601 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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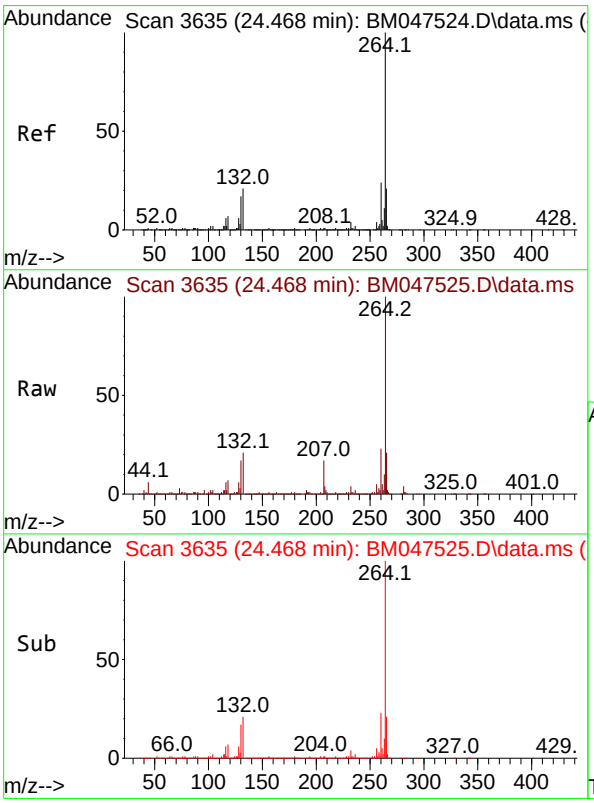
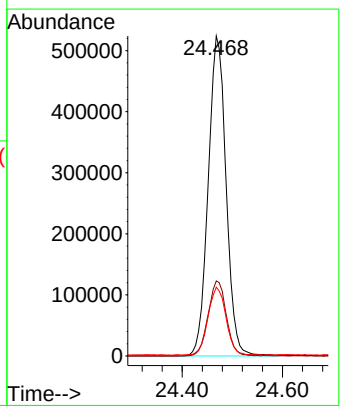
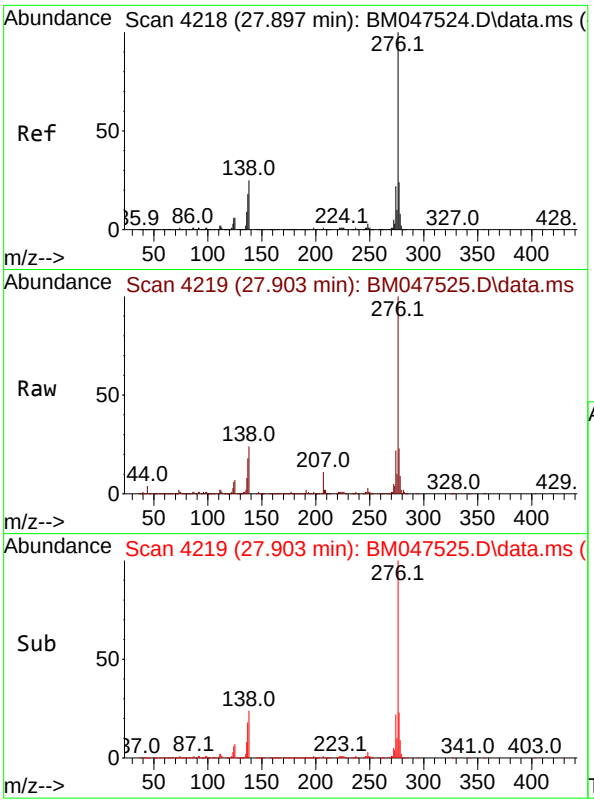


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

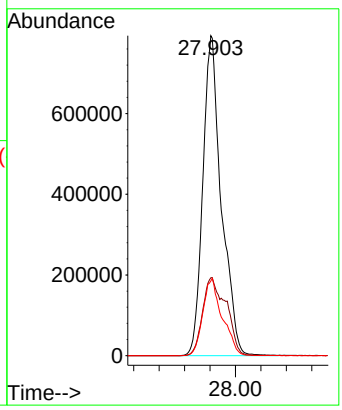




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.731 ng
RT: 27.903 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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 :
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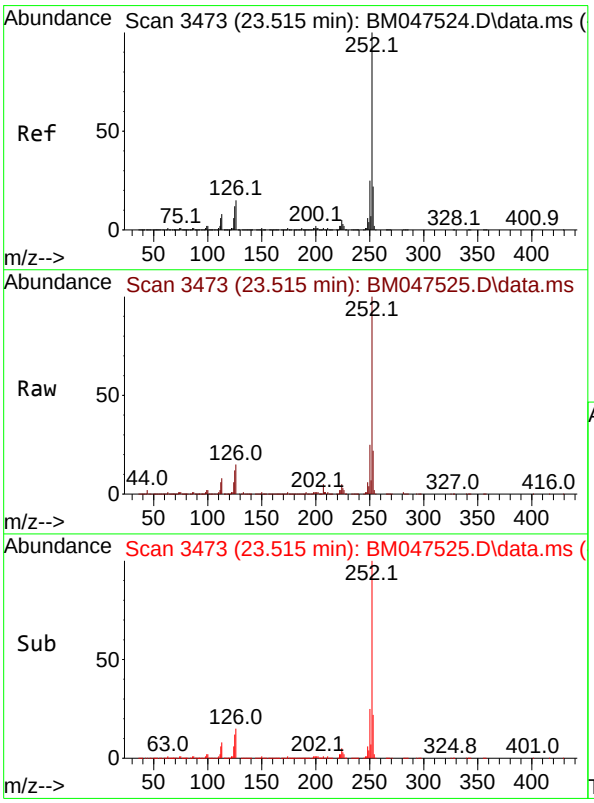
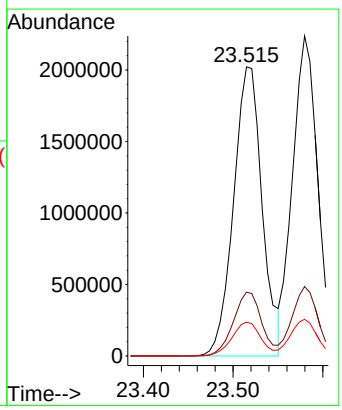
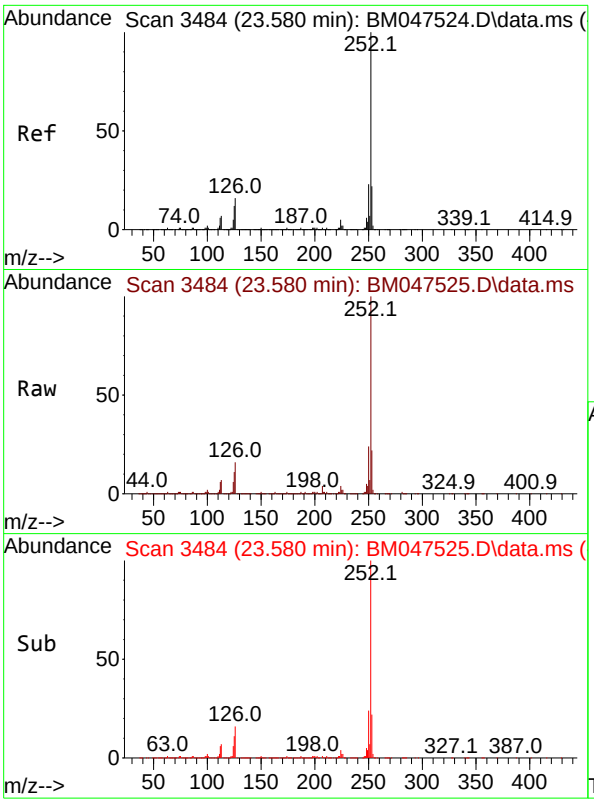


#88
Benzo(b)fluoranthene
Concen: 53.347 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

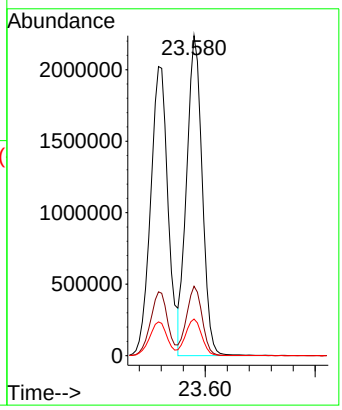




#89
Benzo(k)fluoranthene
Concen: 52.652 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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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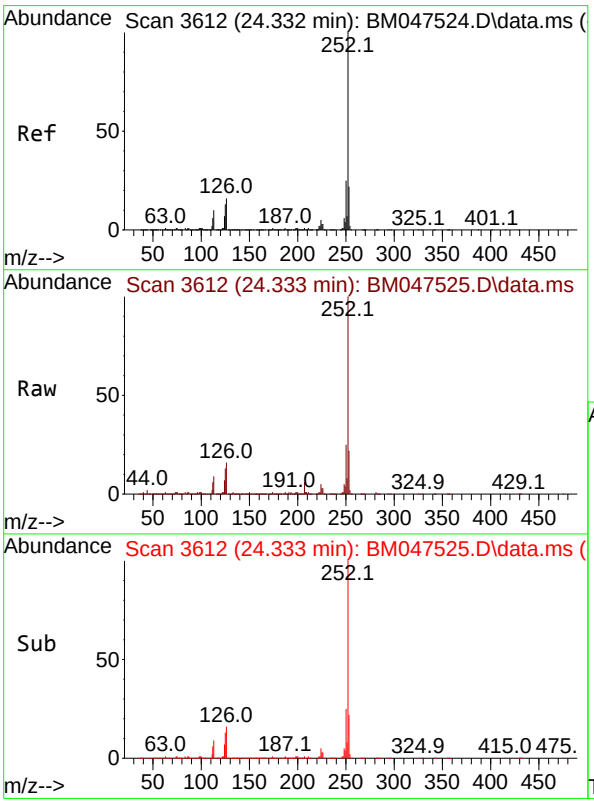
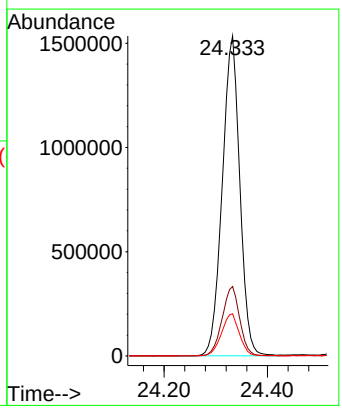
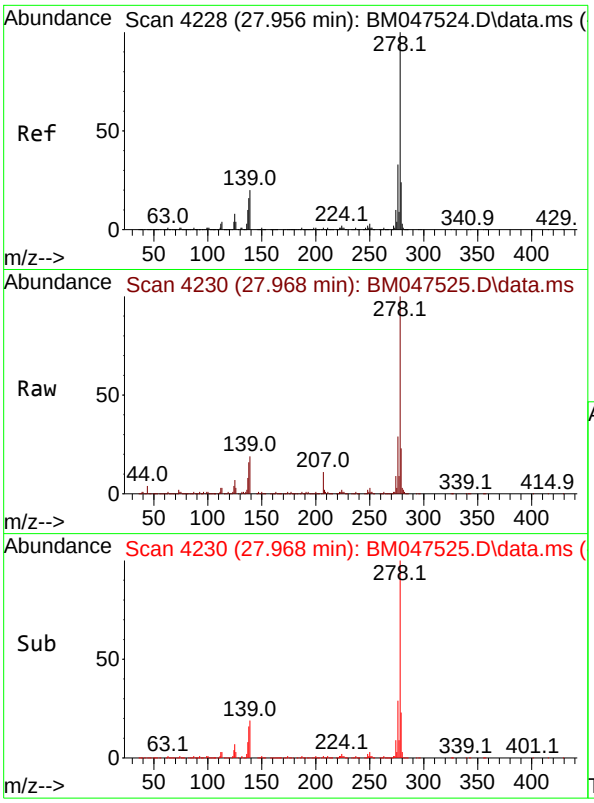


#90
Benzo(a)pyrene
Concen: 52.521 ng
RT: 24.333 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

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

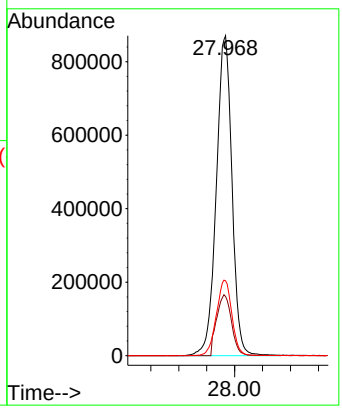




#91
Dibenzo(a,h)anthracene
Concen: 51.962 ng
RT: 27.968 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:278 Resp: 339418

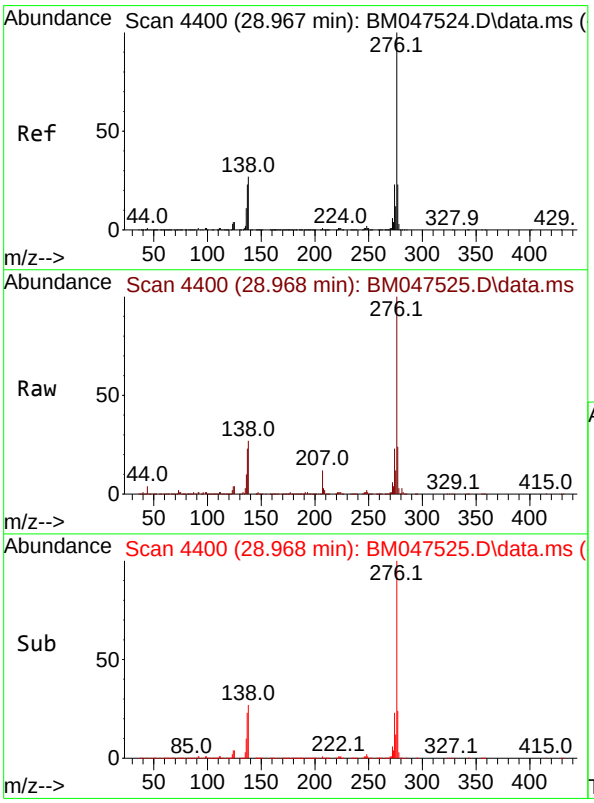
Ion	Ratio	Lower	Upper
278	100		
139	18.5	15.9	23.9
279	23.4	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

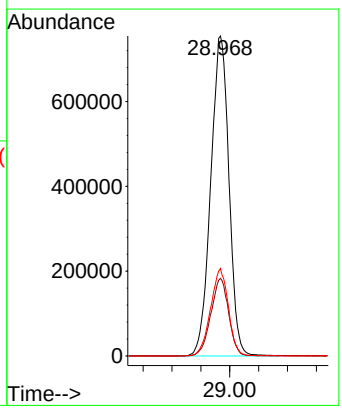
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

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

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

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

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

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

ICAL Form

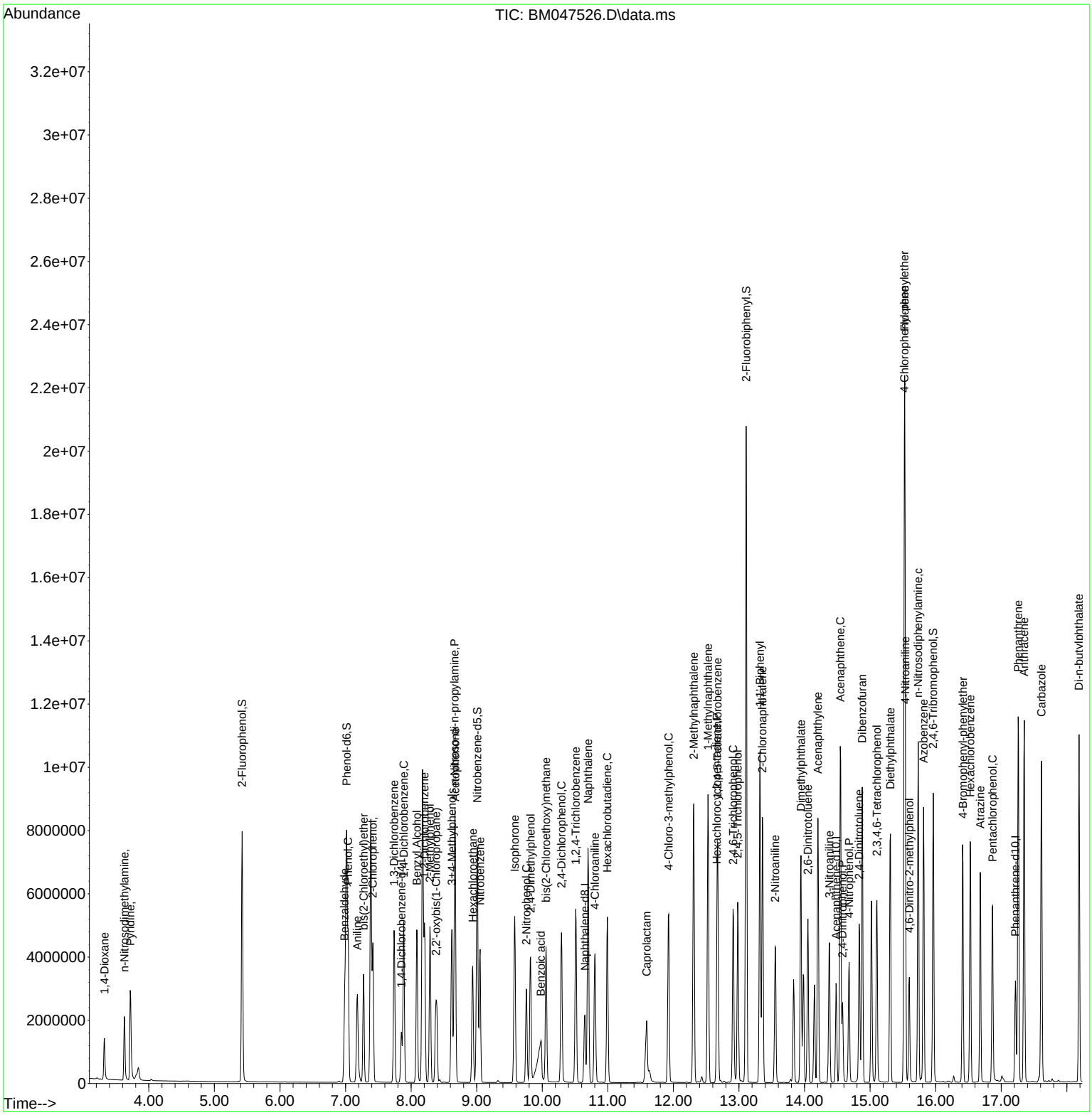
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

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
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



ICAL Form

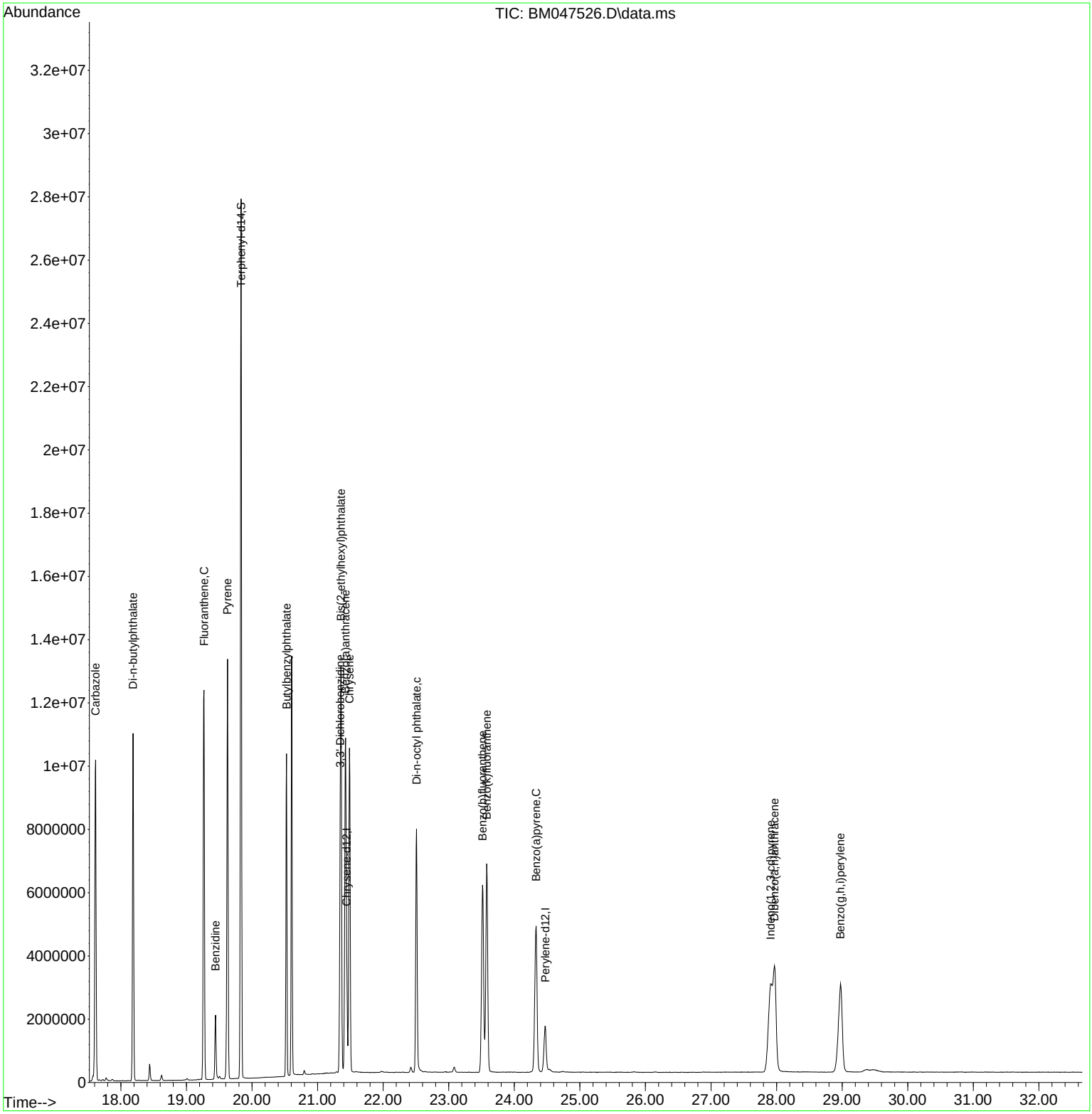
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

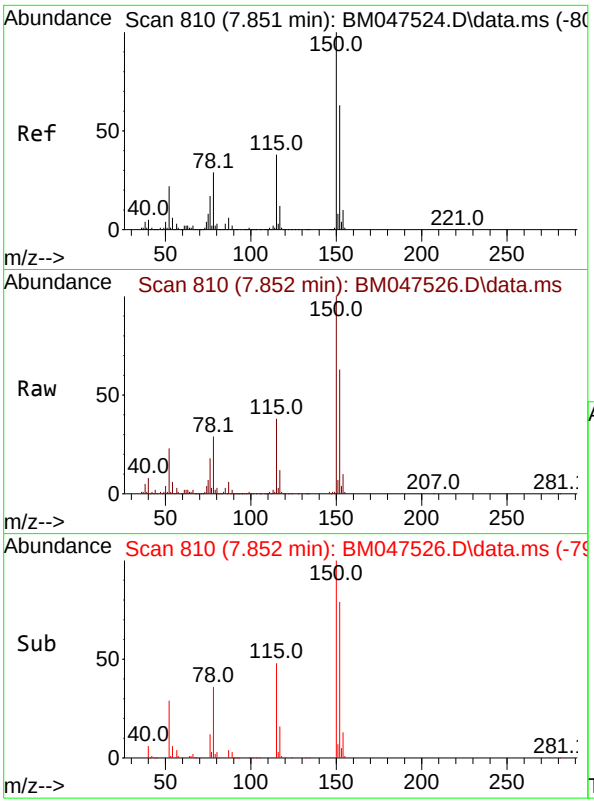
Quant Time: Sep 15 08:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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

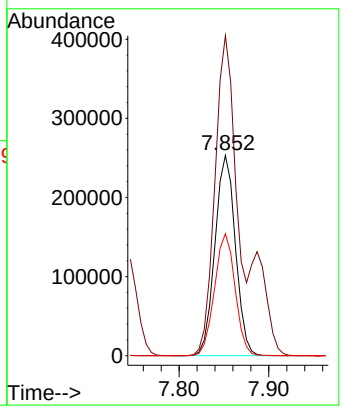




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:152 Resp: 40164

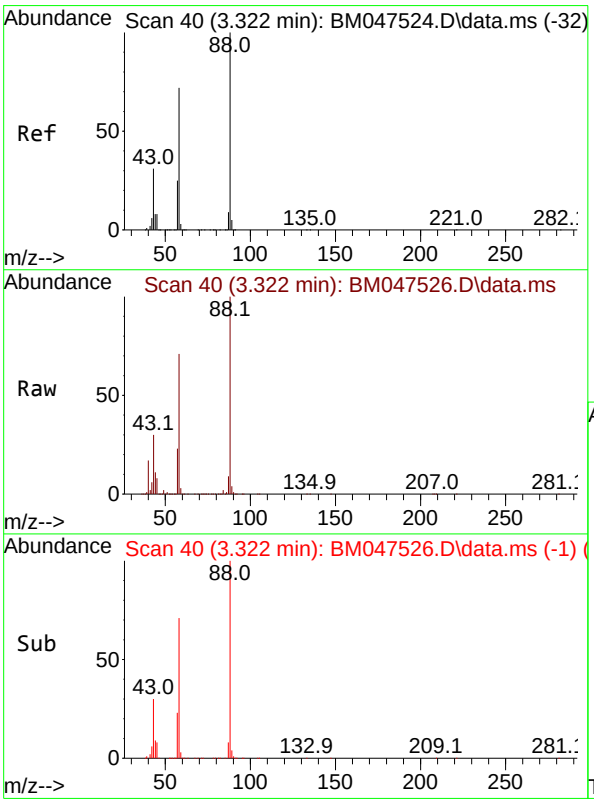
Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.8	190.2
115	60.8	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

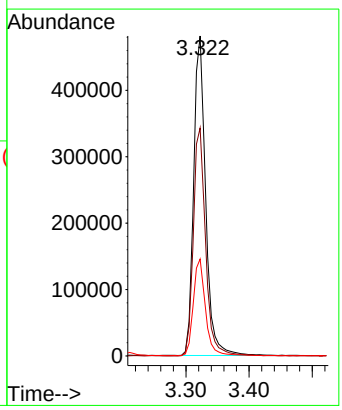
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

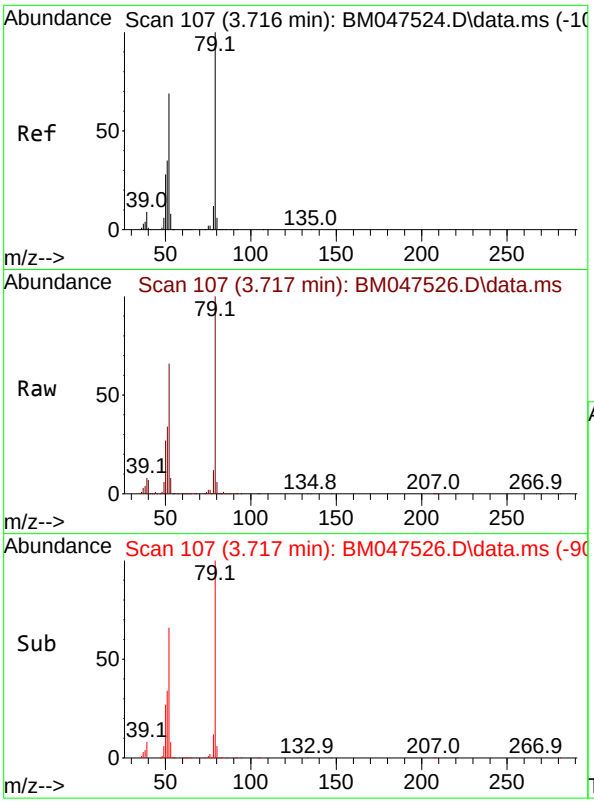


#2
1,4-Dioxane
Concen: 58.600 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

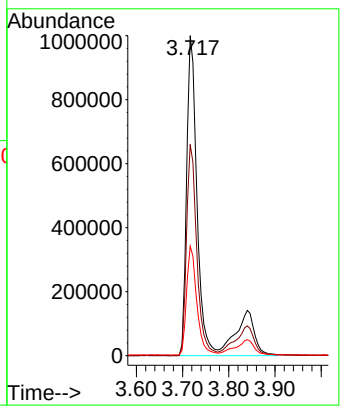




#3
Pyridine
Concen: 60.341 ng m
RT: 3.717 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 79 Resp: 194010

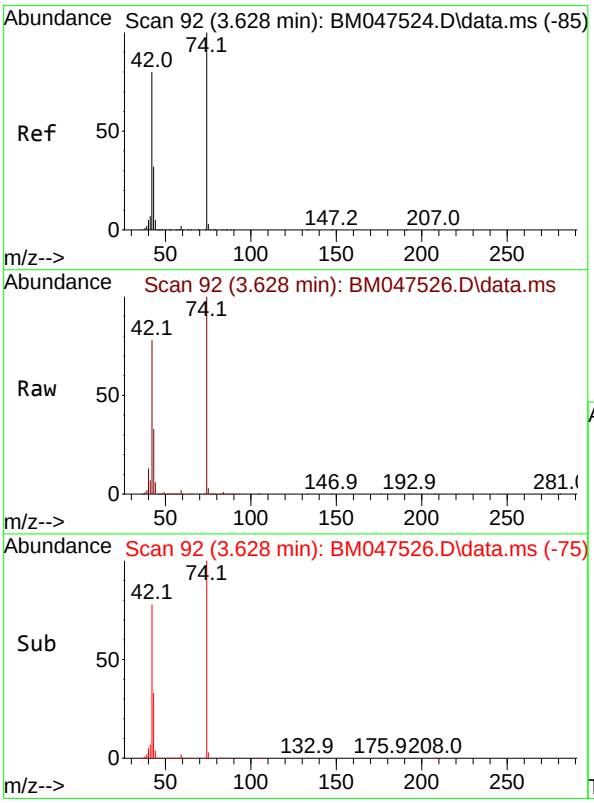
Ion	Ratio	Lower	Upper
79	100		
52	66.0	55.4	83.0
51	34.2	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

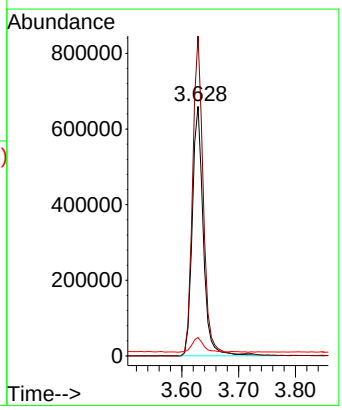
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

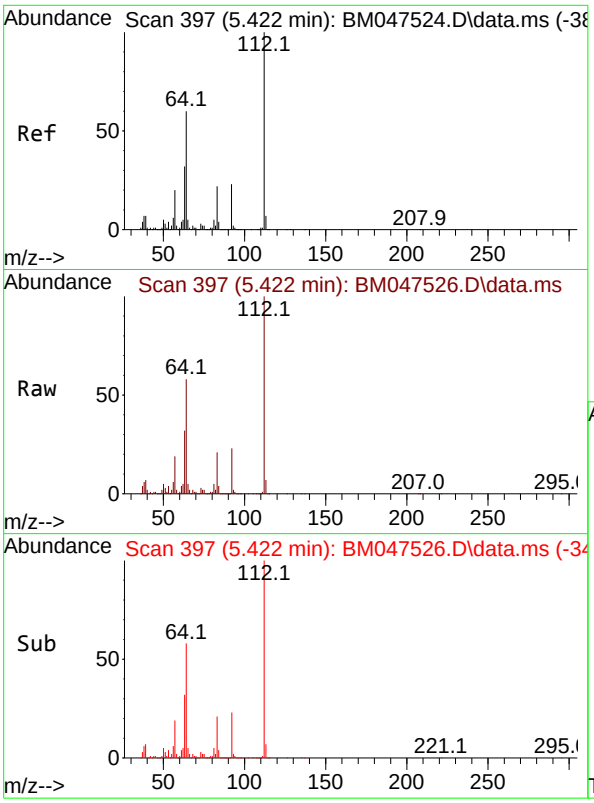


#4
n-Nitrosodimethylamine
Concen: 60.773 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

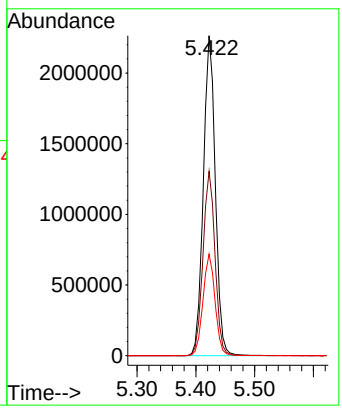




#5
2-Fluorophenol
Concen: 127.175 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:112 Resp: 320803

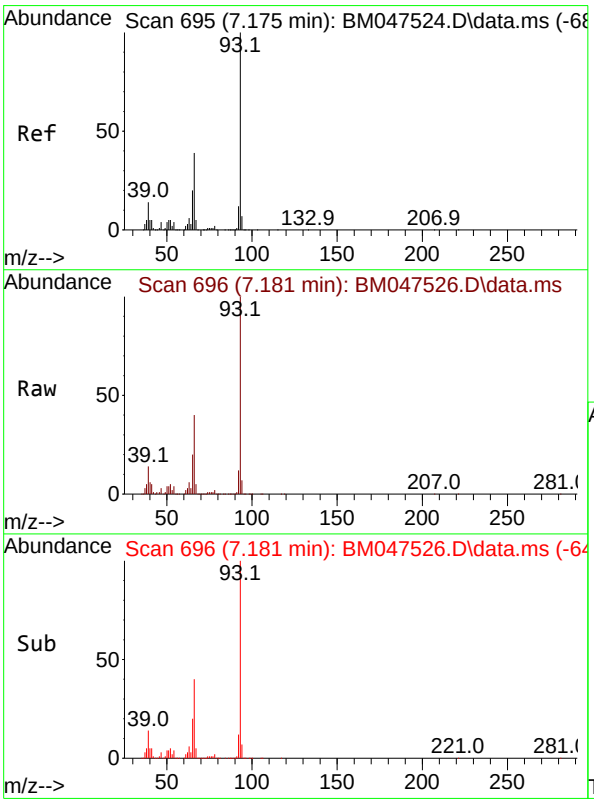
Ion	Ratio	Lower	Upper
112	100		
64	57.6	48.2	72.4
63	31.8	26.0	39.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

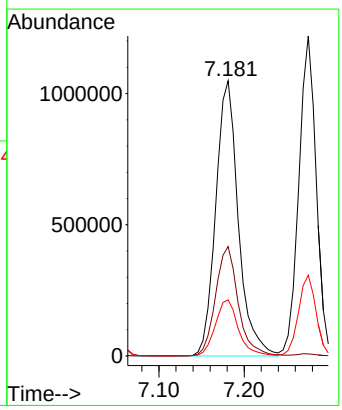
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

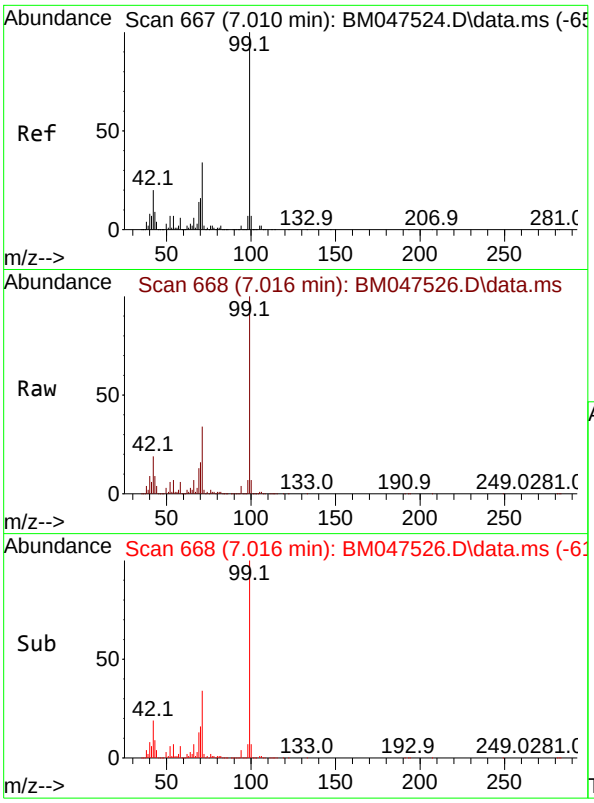


#6
Aniline
Concen: 61.416 ng
RT: 7.181 min Scan# 696
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

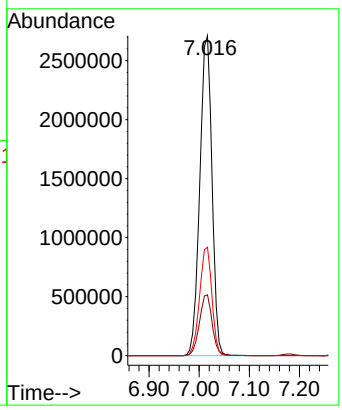




#7
Phenol-d6
Concen: 128.919 ng
RT: 7.016 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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ClientSampleId :
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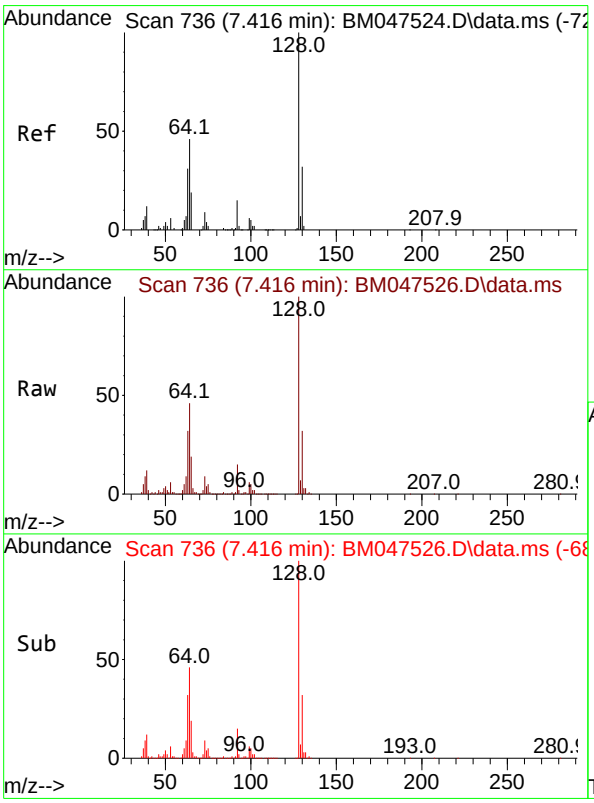
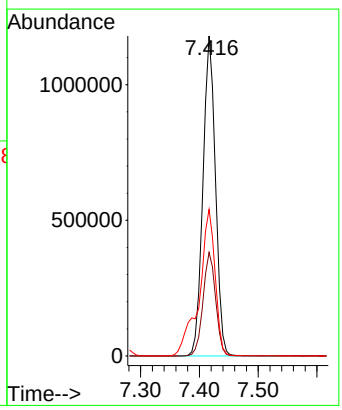
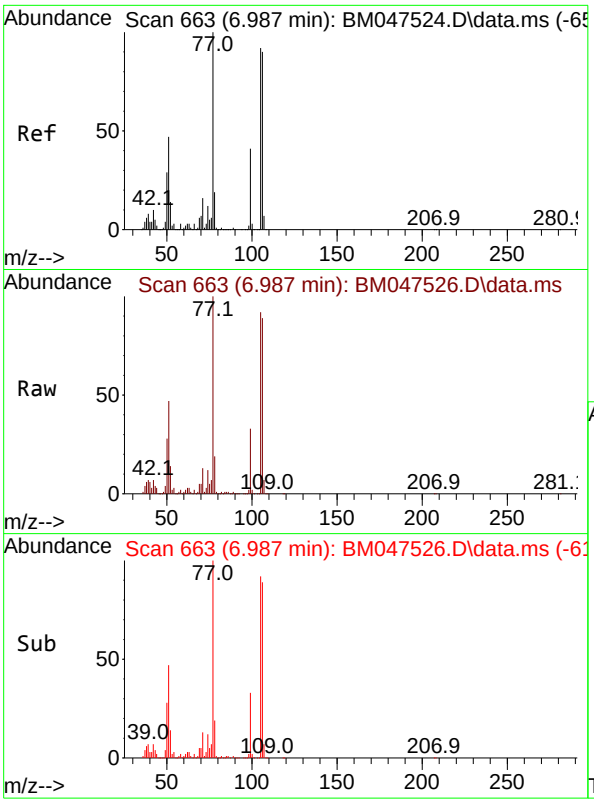


#8
2-Chlorophenol
Concen: 62.660 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

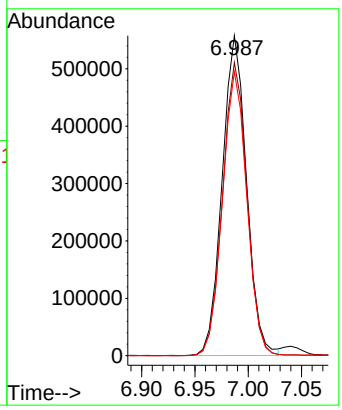




#9
Benzaldehyde
Concen: 52.578 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
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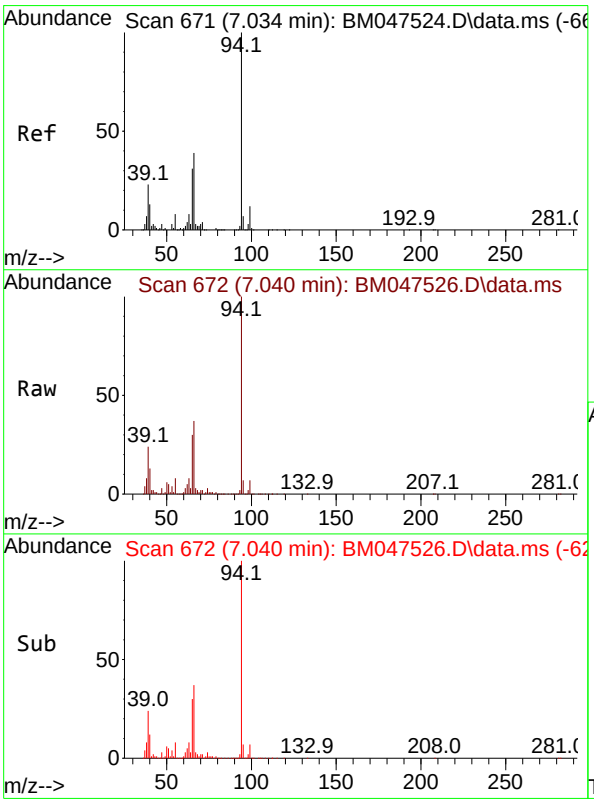
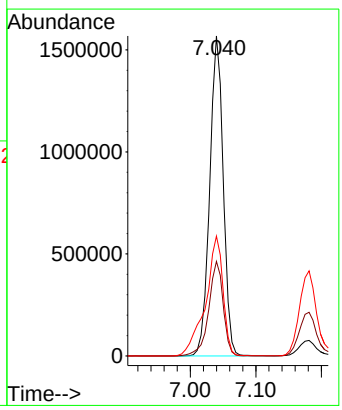
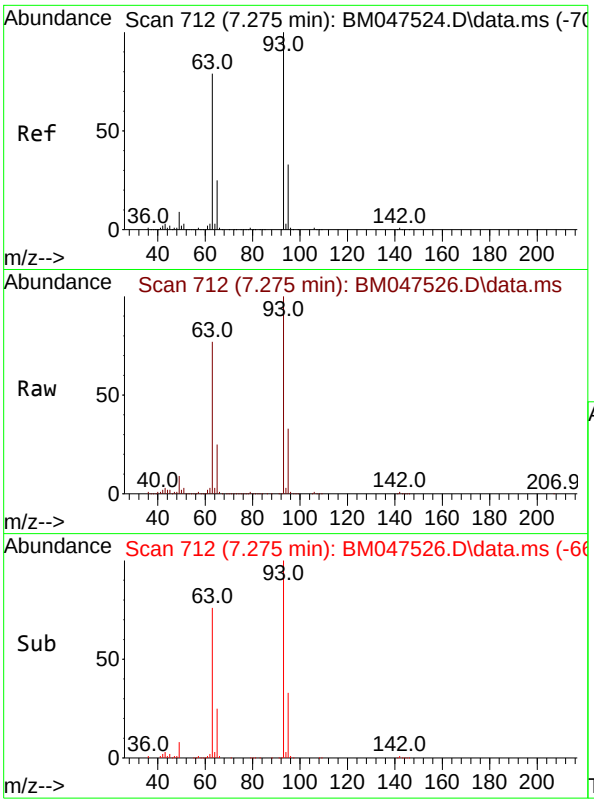


#10
Phenol
Concen: 63.333 ng
RT: 7.040 min Scan# 672
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

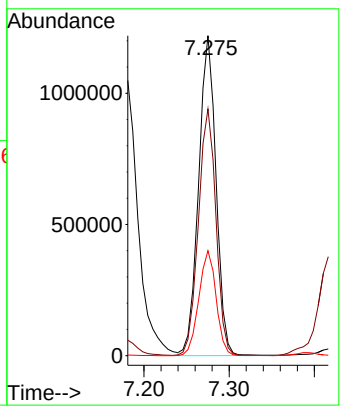




#11
bis(2-Chloroethyl)ether
Concen: 60.591 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
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ClientSampleId :
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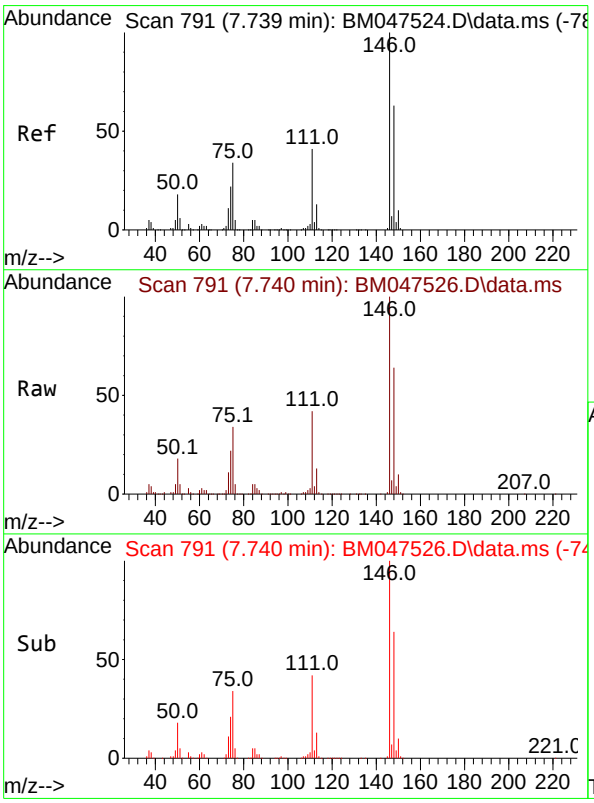
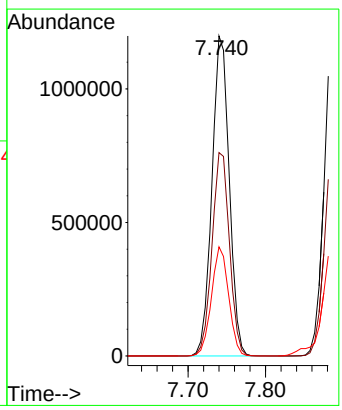
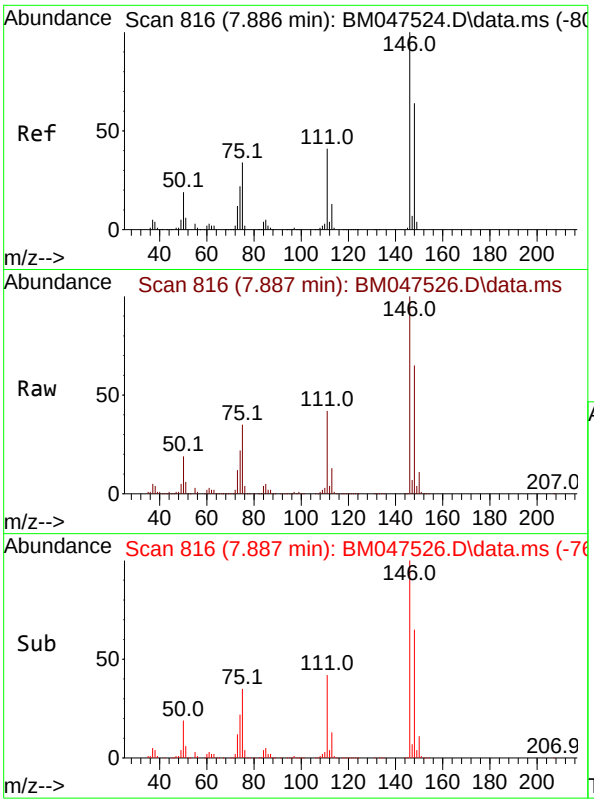


#12
1,3-Dichlorobenzene
Concen: 60.914 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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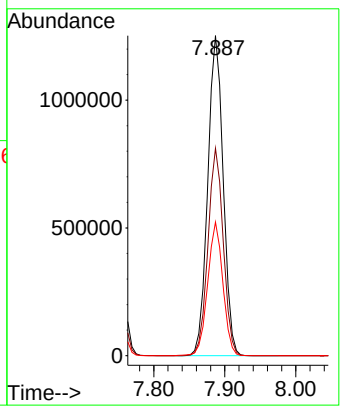
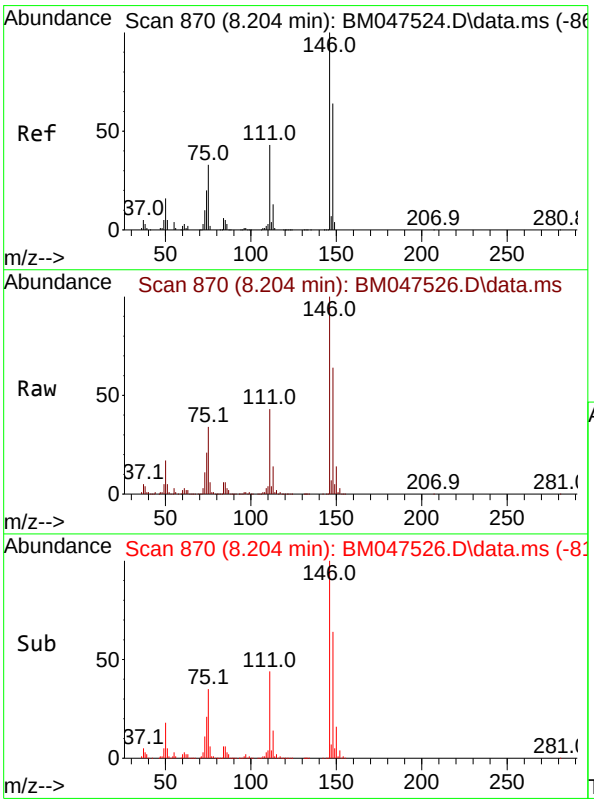
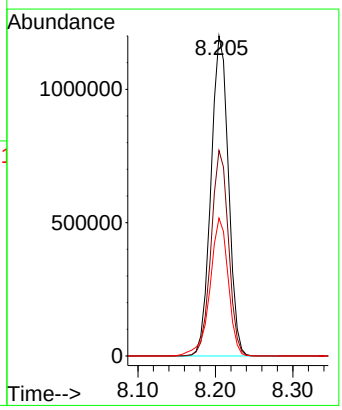


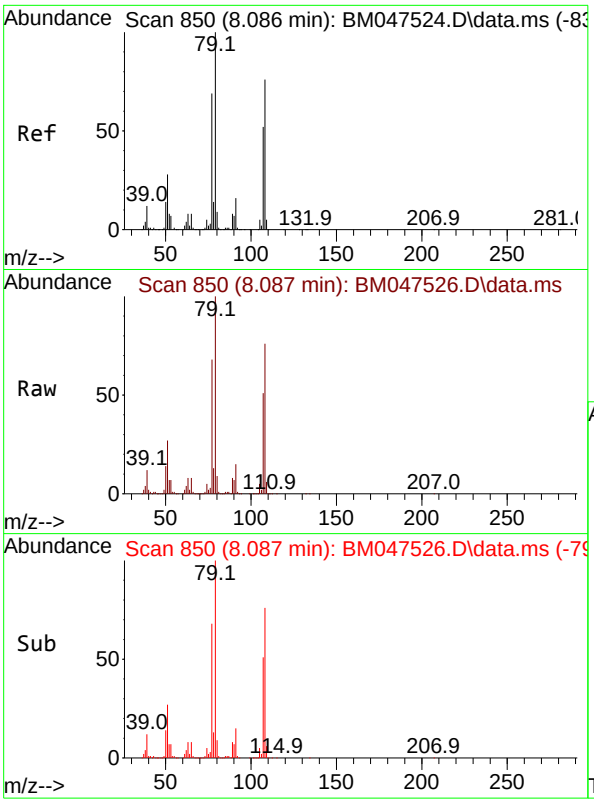


#14
1,2-Dichlorobenzene
Concen: 61.537 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

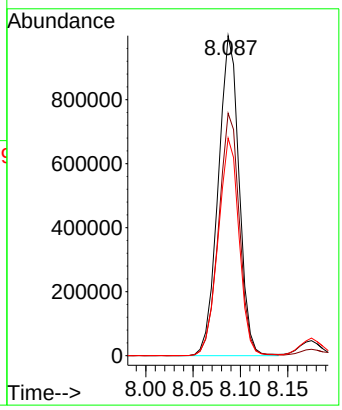




#15
Benzyl Alcohol
Concen: 63.643 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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



Instrument :
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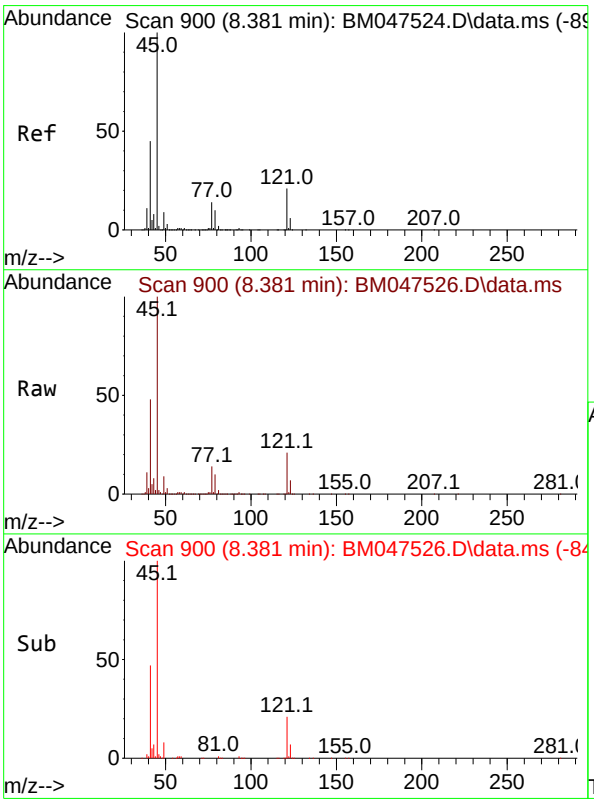
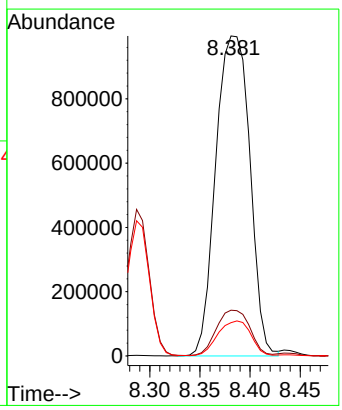
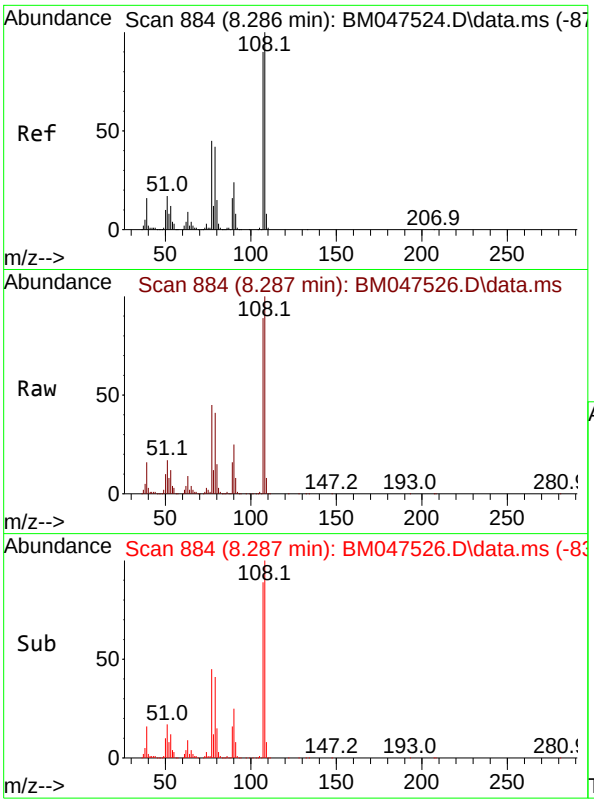


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.702 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

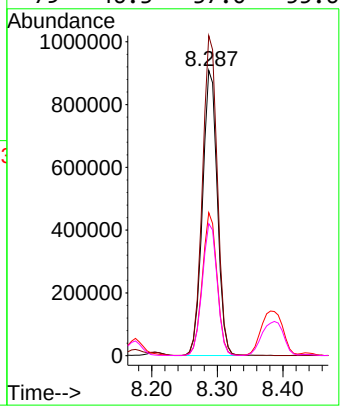




#17
2-Methylphenol
Concen: 62.911 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
BNA_M
ClientSampleId :
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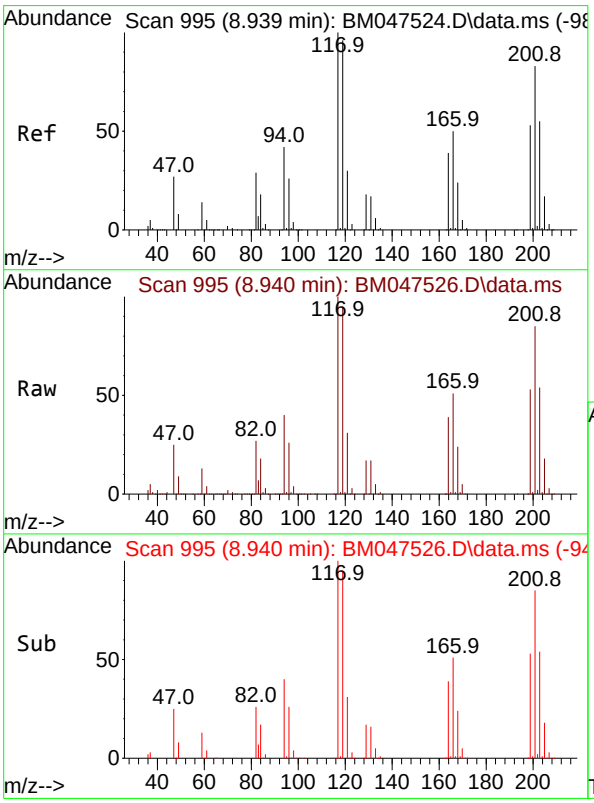
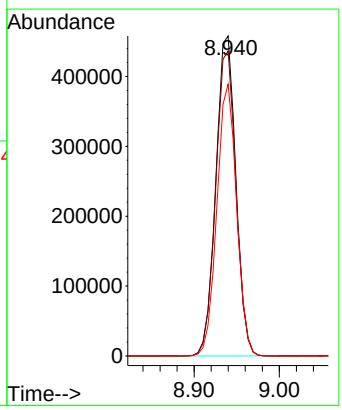
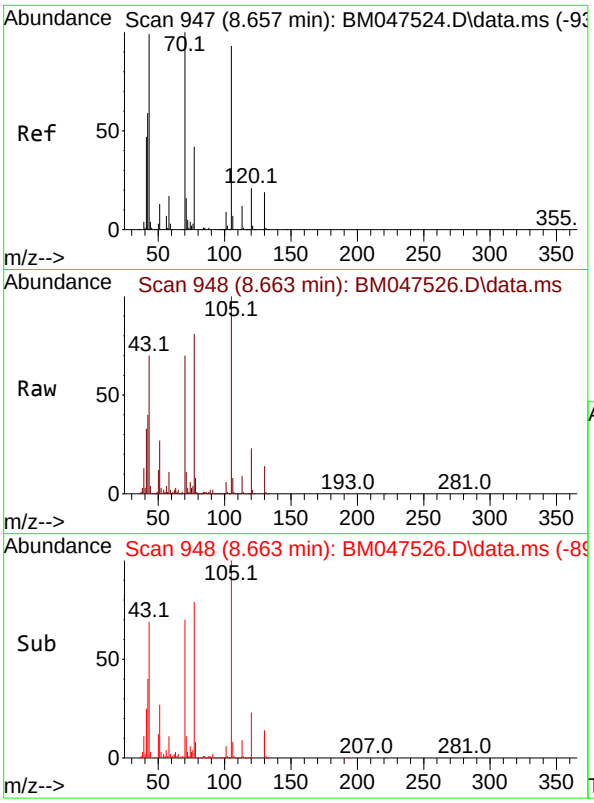


#18
Hexachloroethane
Concen: 60.522 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

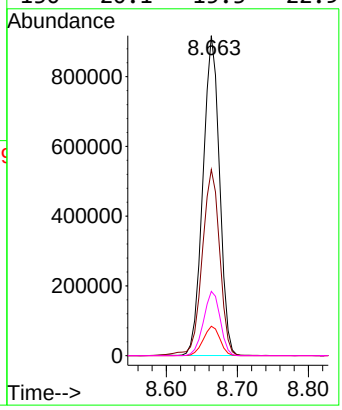




#19
n-Nitroso-di-n-propylamine
Concen: 62.260 ng
RT: 8.663 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
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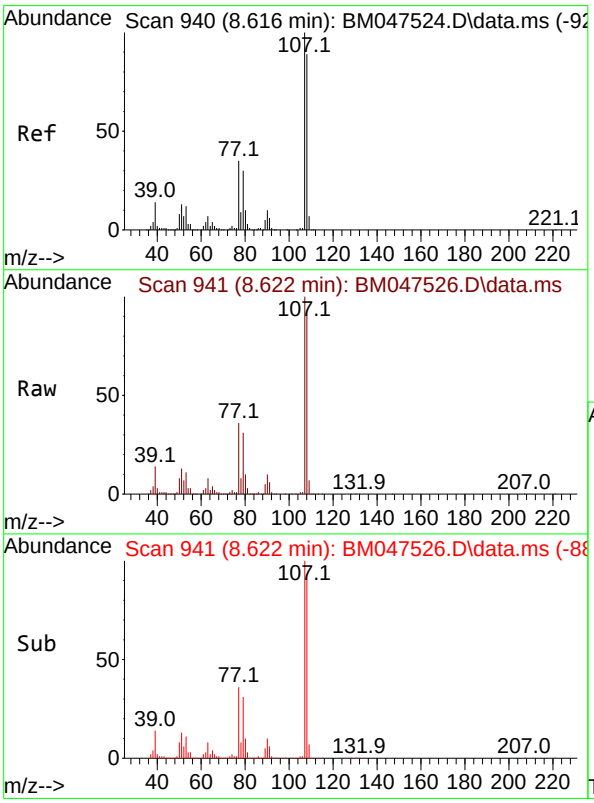
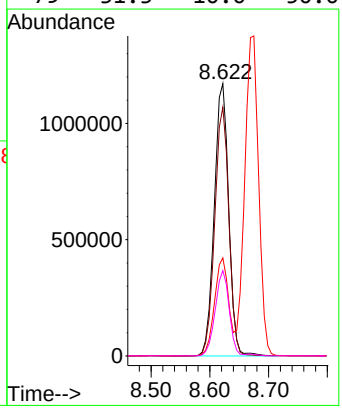
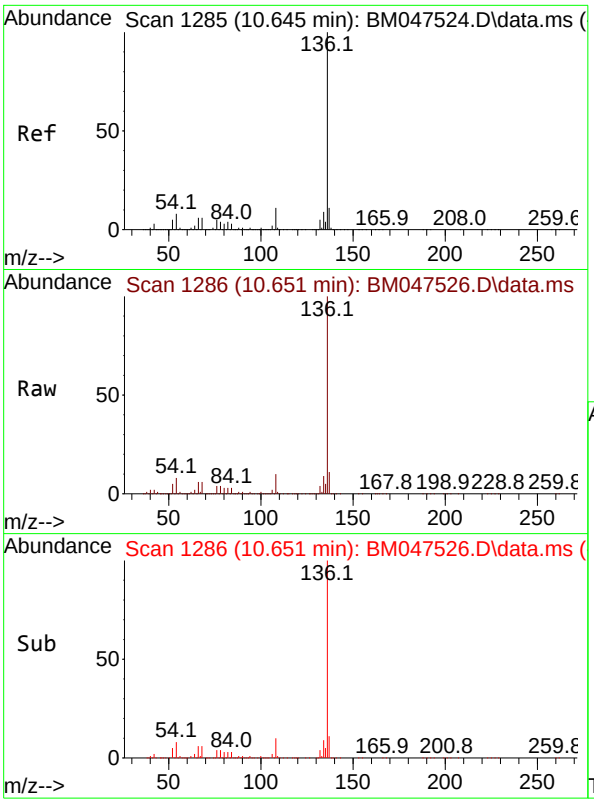


#20
3+4-Methylphenols
Concen: 62.798 ng
RT: 8.622 min Scan# 941
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

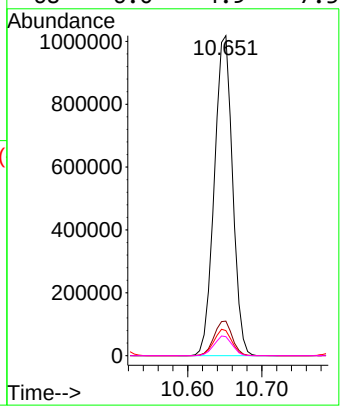




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
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ClientSampleId :
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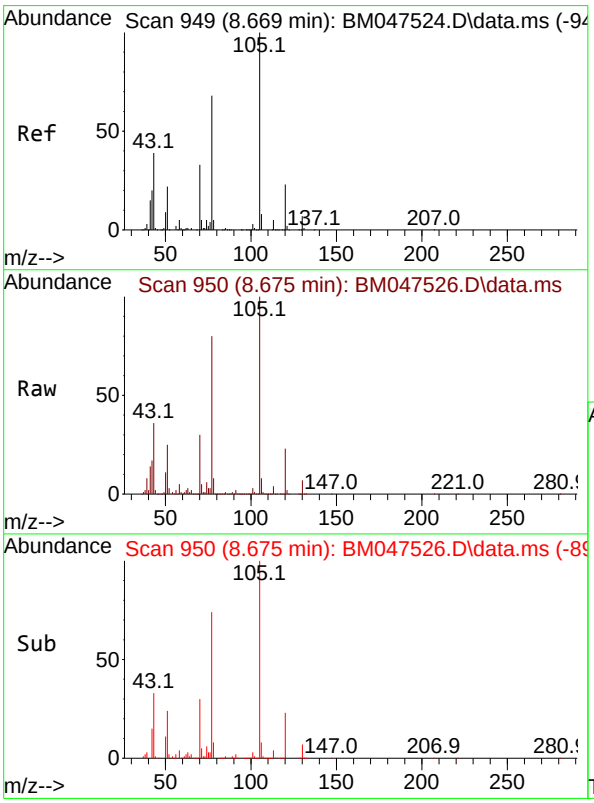
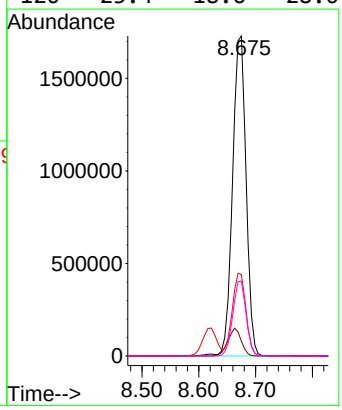
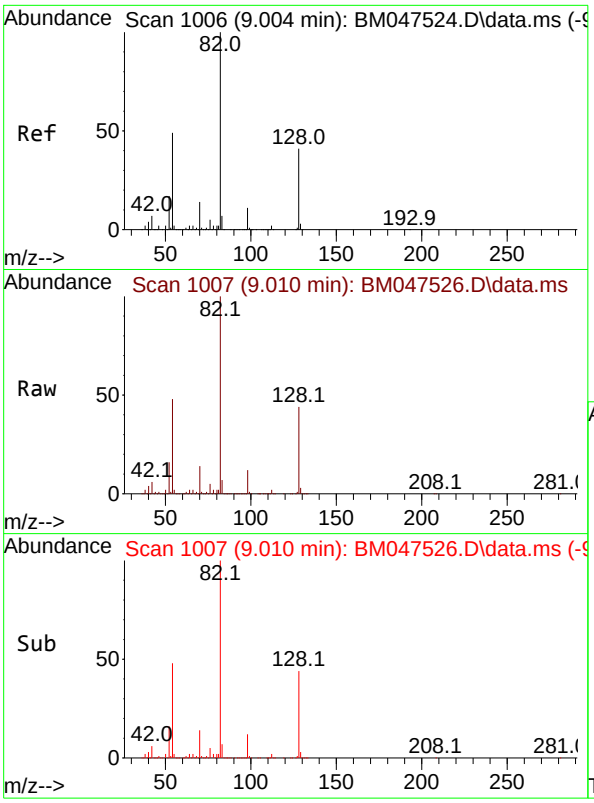


#22
Acetophenone
Concen: 62.541 ng
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
BNA_M
ClientSampleId :
SSTDICC060

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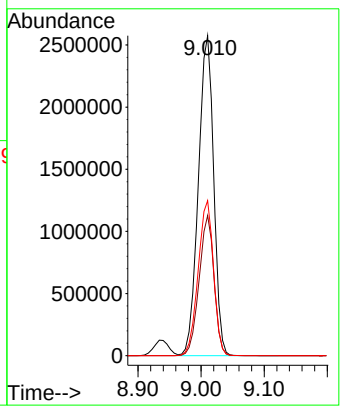
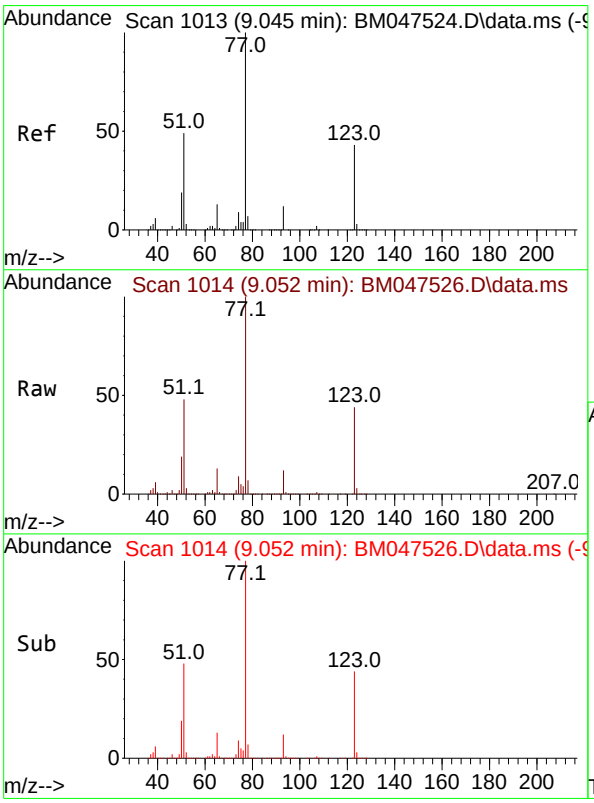
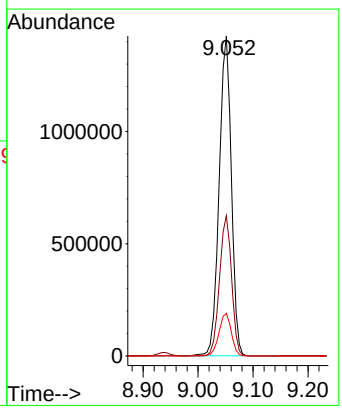


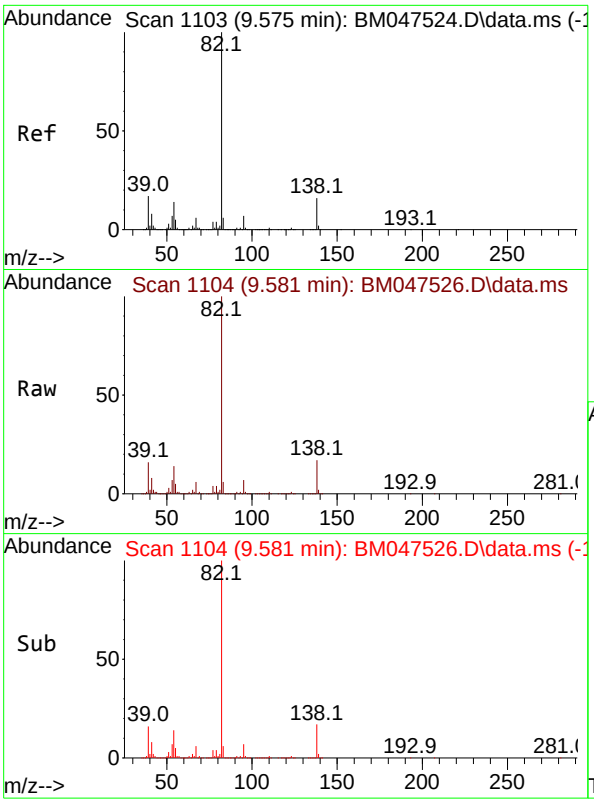


#24
Nitrobenzene
Concen: 61.376 ng
RT: 9.052 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

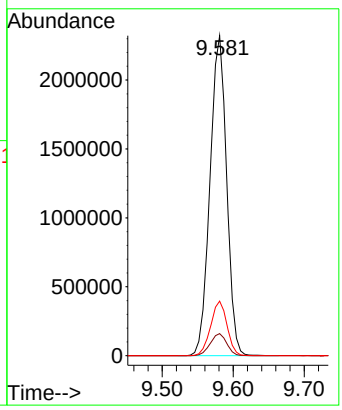




#25
Isophorone
Concen: 61.849 ng
RT: 9.581 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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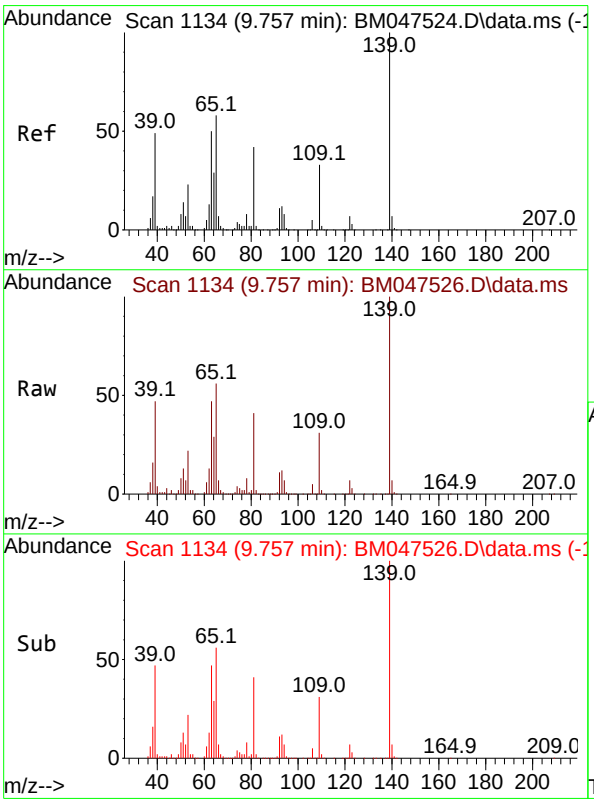
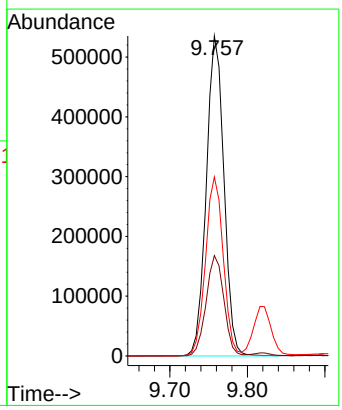
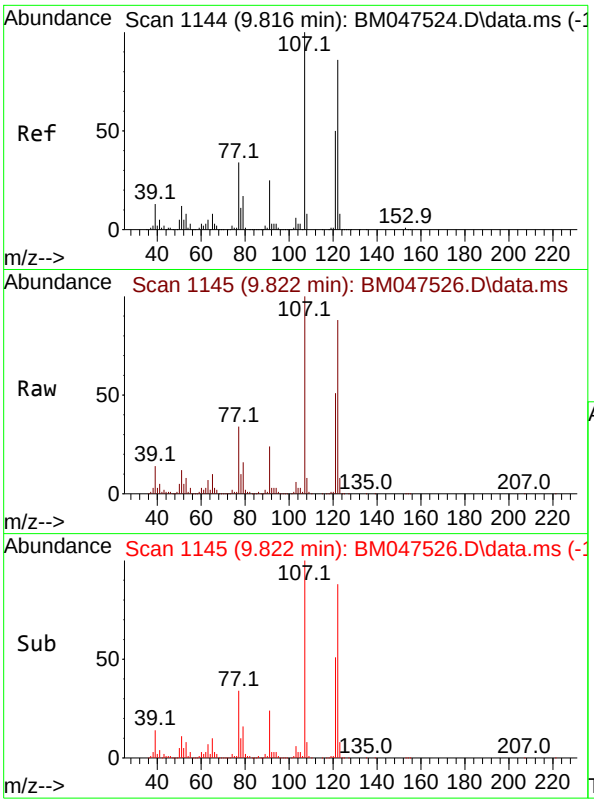


#26
2-Nitrophenol
Concen: 69.598 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

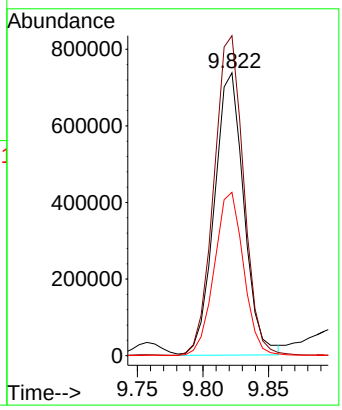




#27
2,4-Dimethylphenol
Concen: 62.697 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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



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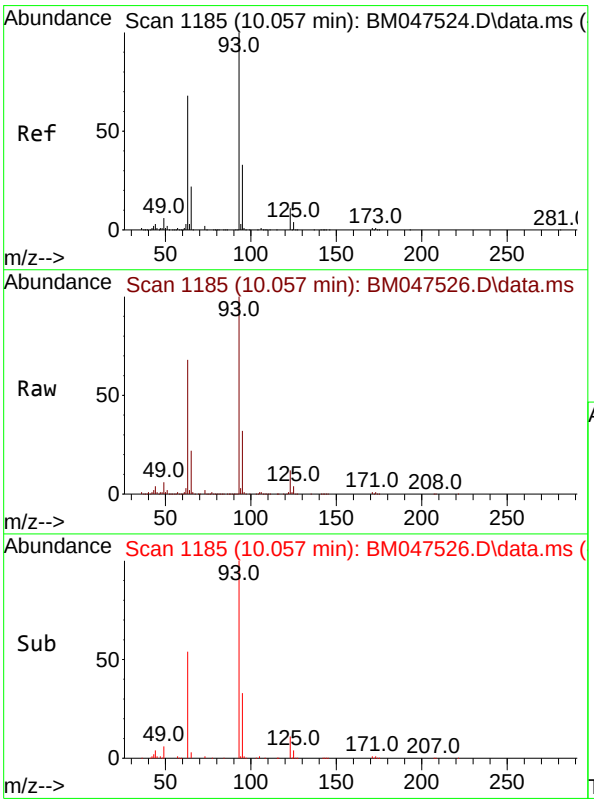
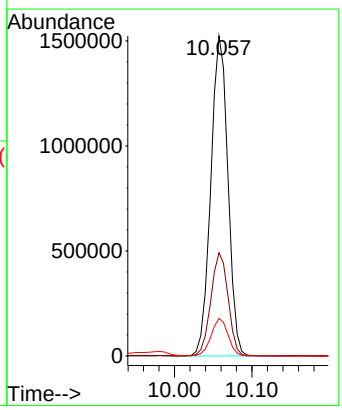
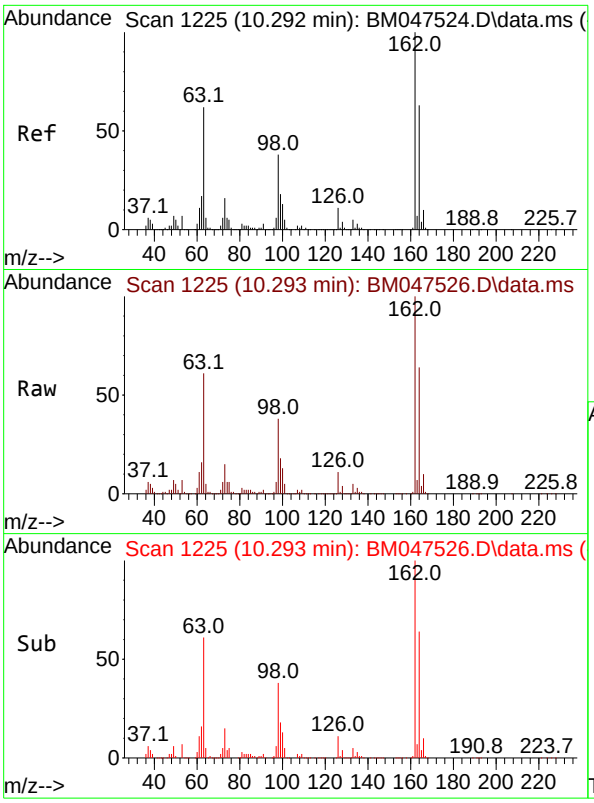


#28
bis(2-Chloroethoxy)methane
Concen: 60.814 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

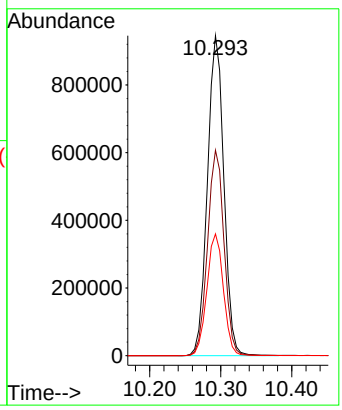




#29
2,4-Dichlorophenol
Concen: 65.020 ng
RT: 10.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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



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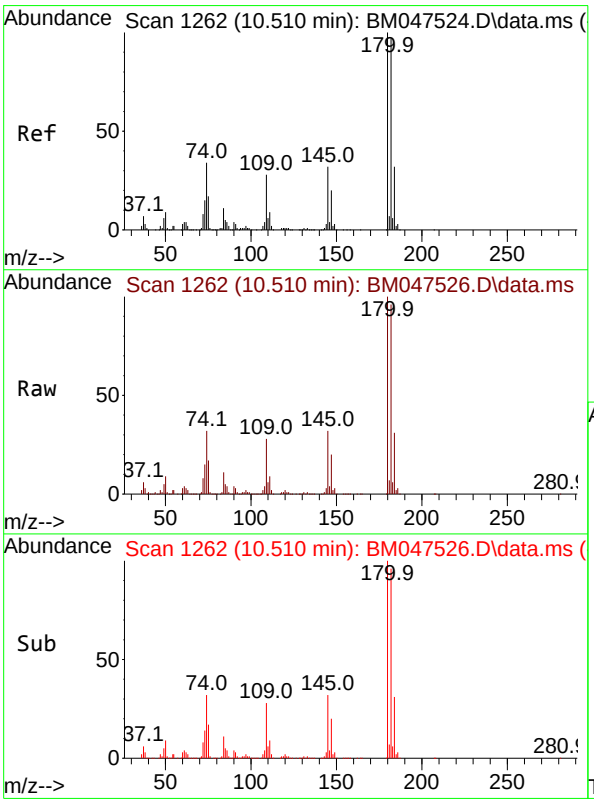
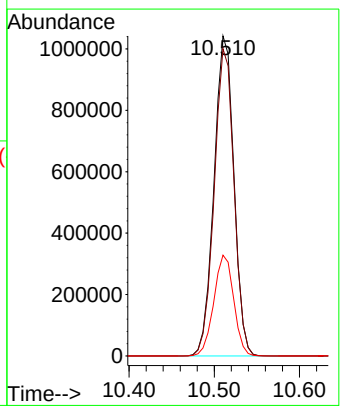
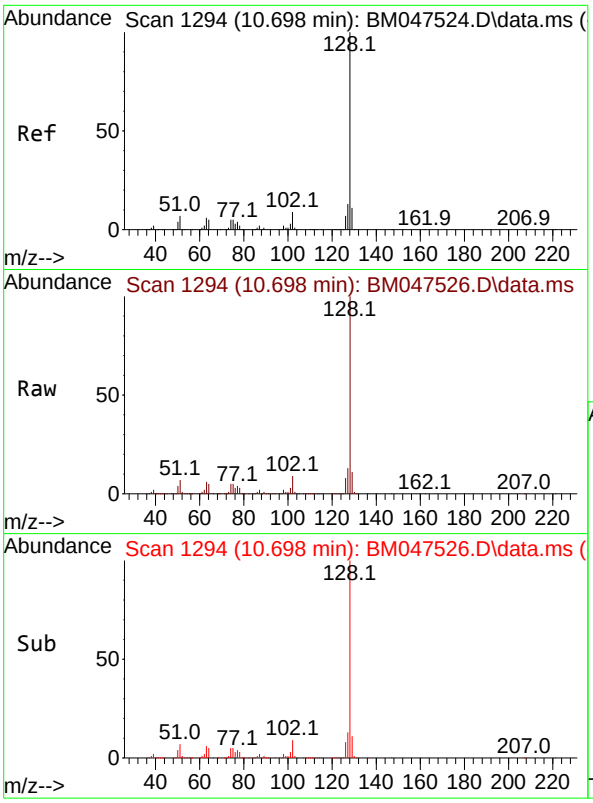


#30
1,2,4-Trichlorobenzene
Concen: 62.996 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

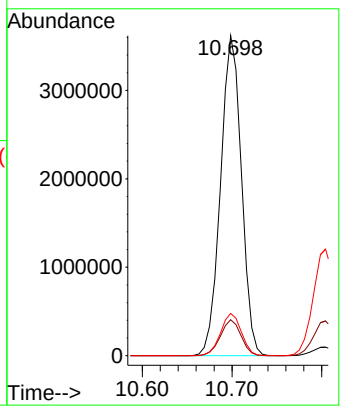




#31
Naphthalene
Concen: 62.302 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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



Instrument :
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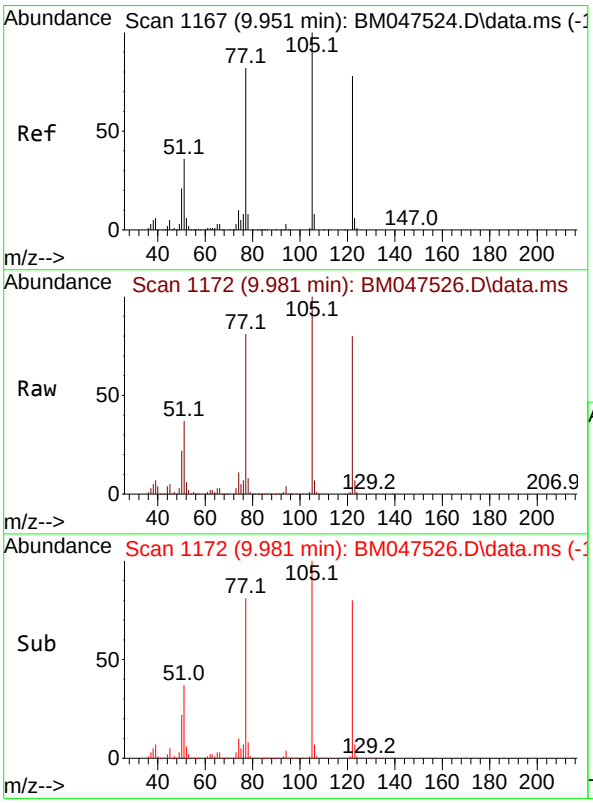
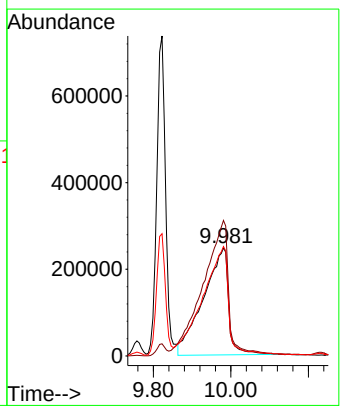
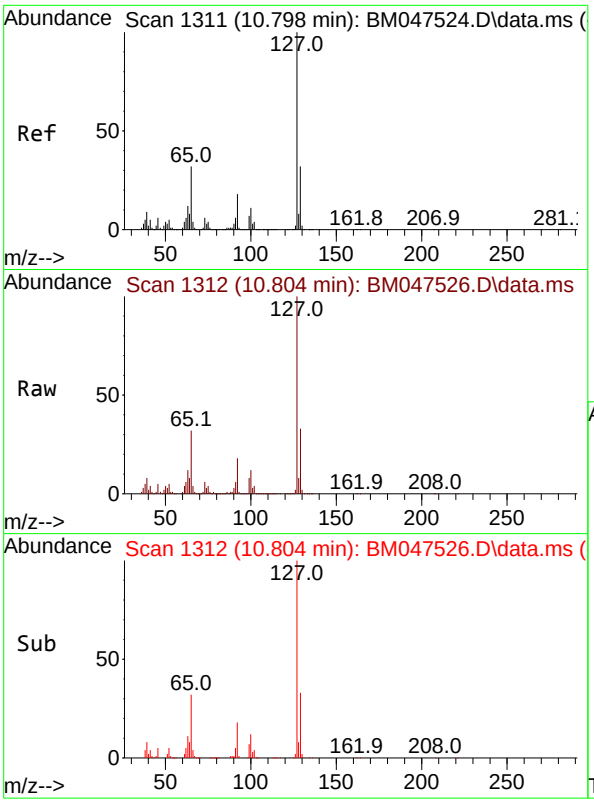


#32
Benzoic acid
Concen: 59.624 ng
RT: 9.981 min Scan# 1172
Delta R.T. 0.030 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

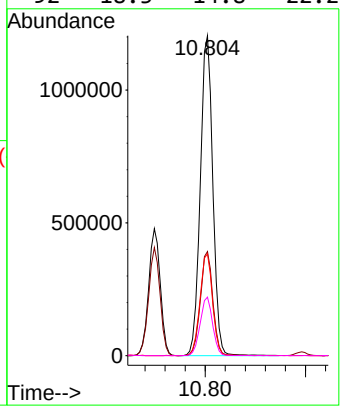




#33
4-Chloroaniline
Concen: 61.507 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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ClientSampleId :
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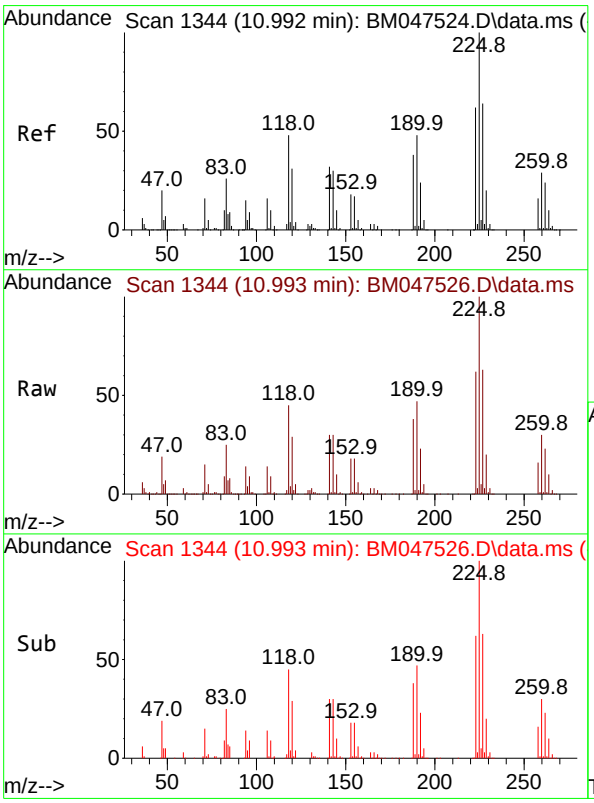
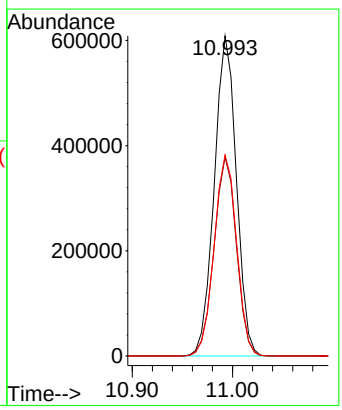
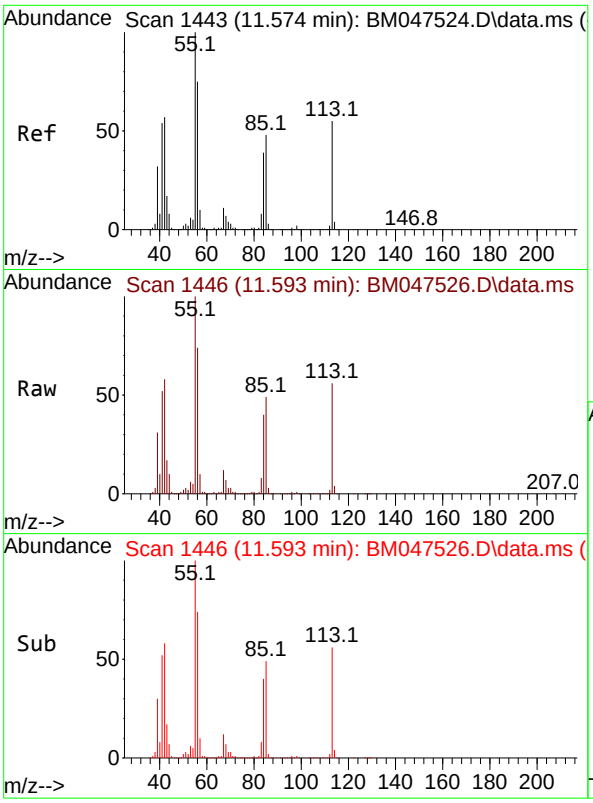


#34
Hexachlorobutadiene
Concen: 62.620 ng
RT: 10.993 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

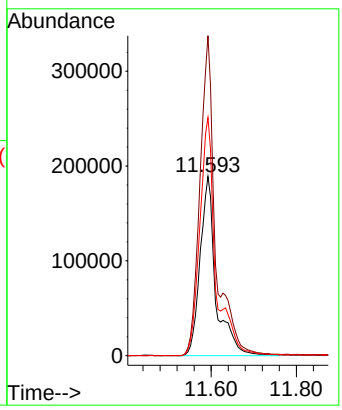




#35
Caprolactam
Concen: 63.293 ng
RT: 11.593 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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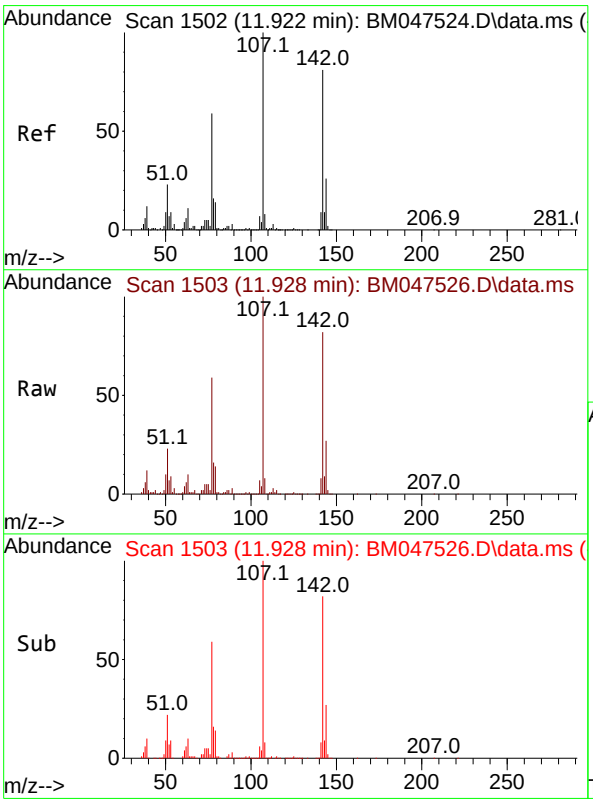
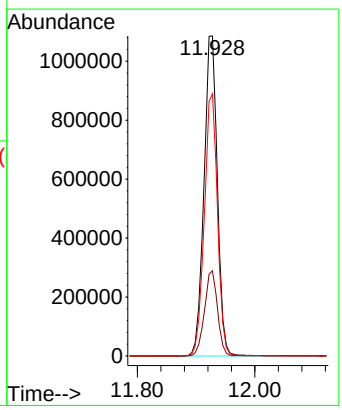
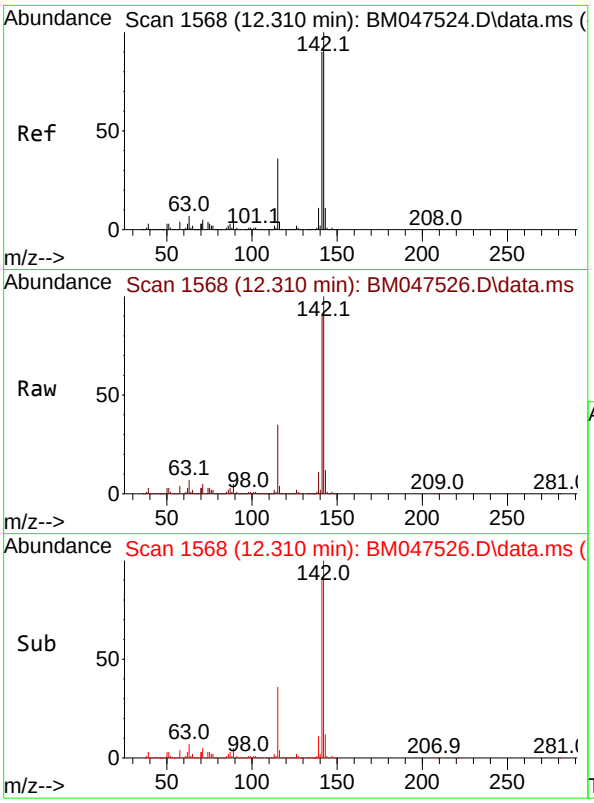


#36
4-Chloro-3-methylphenol
Concen: 63.989 ng
RT: 11.928 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

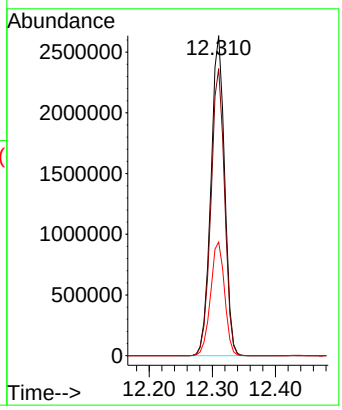




#37
2-Methylnaphthalene
Concen: 63.530 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
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ClientSampleId :
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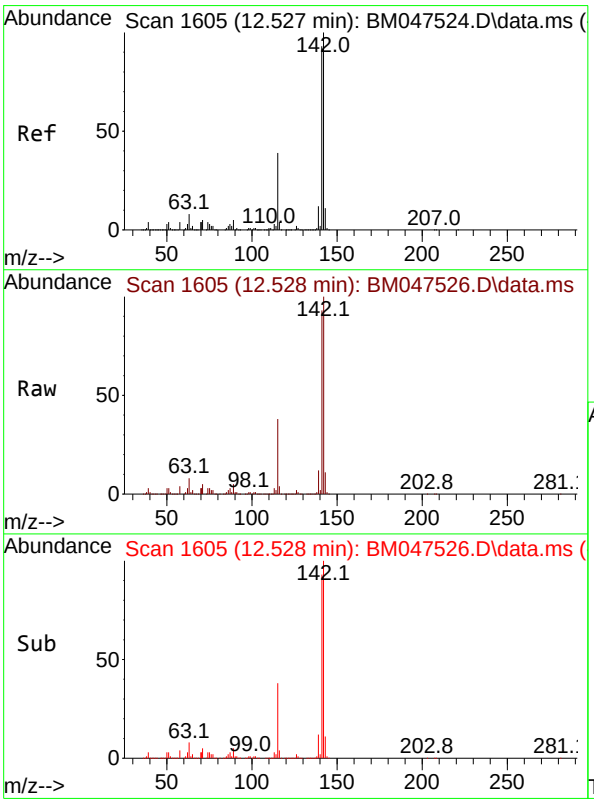
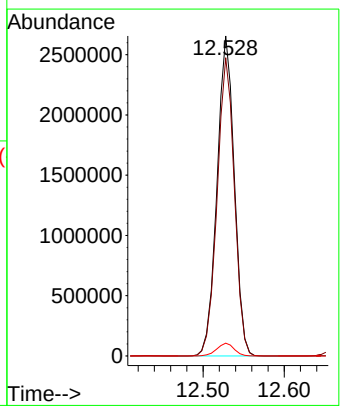
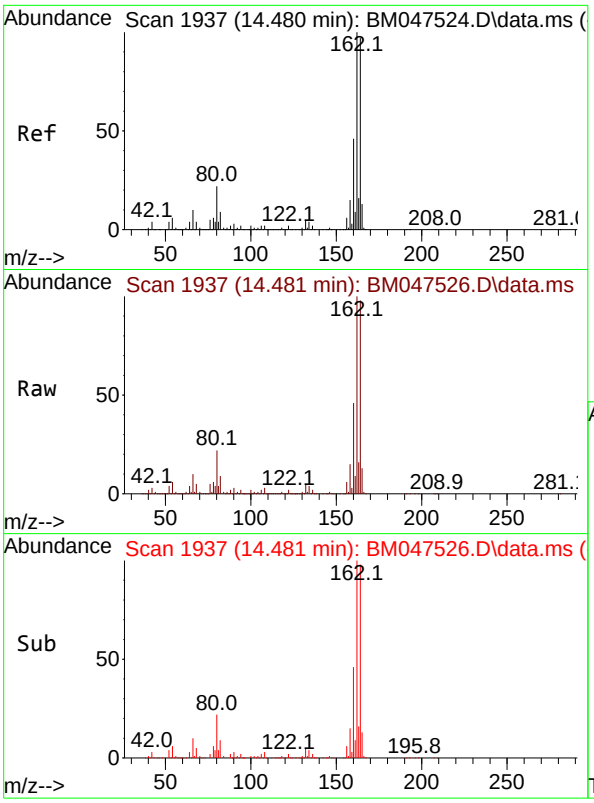


#38
1-Methylnaphthalene
Concen: 63.370 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

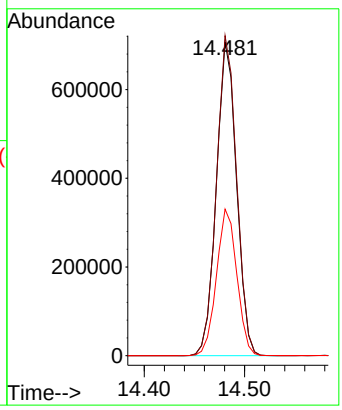




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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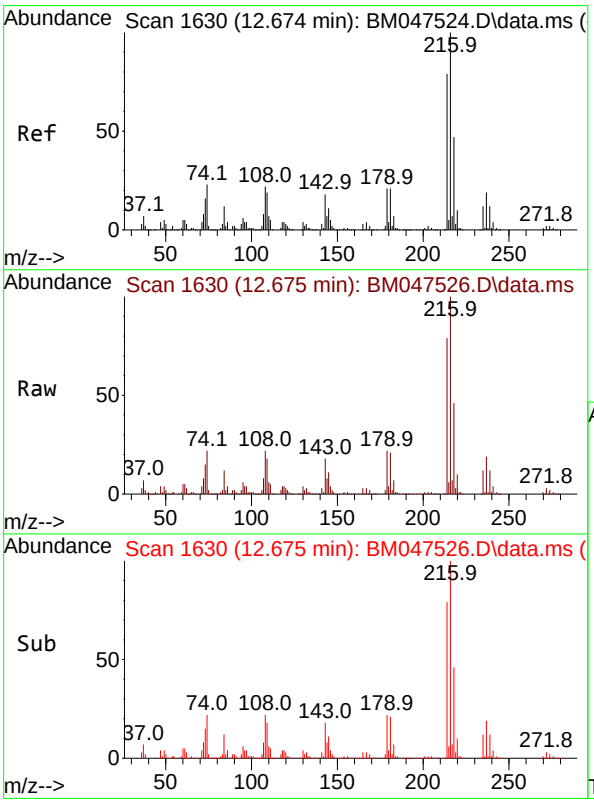
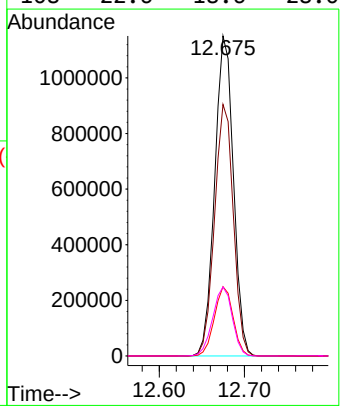
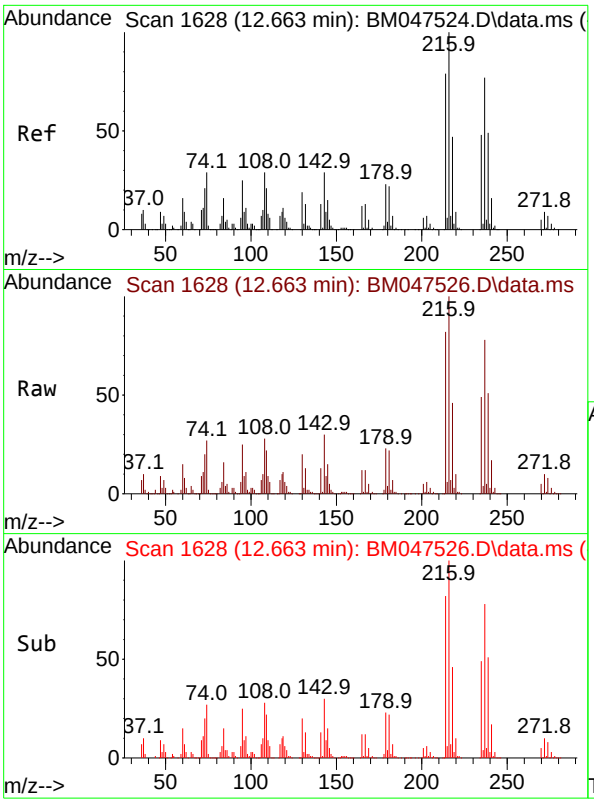


#40
1,2,4,5-Tetrachlorobenzene
Concen: 65.522 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
BNA_M
ClientSampleId :
SSTDICC060

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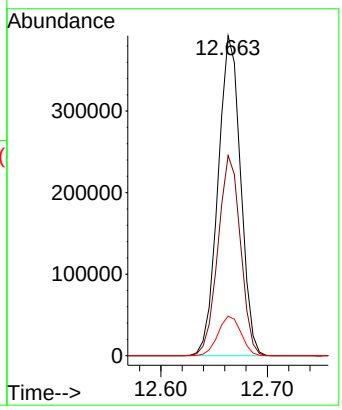
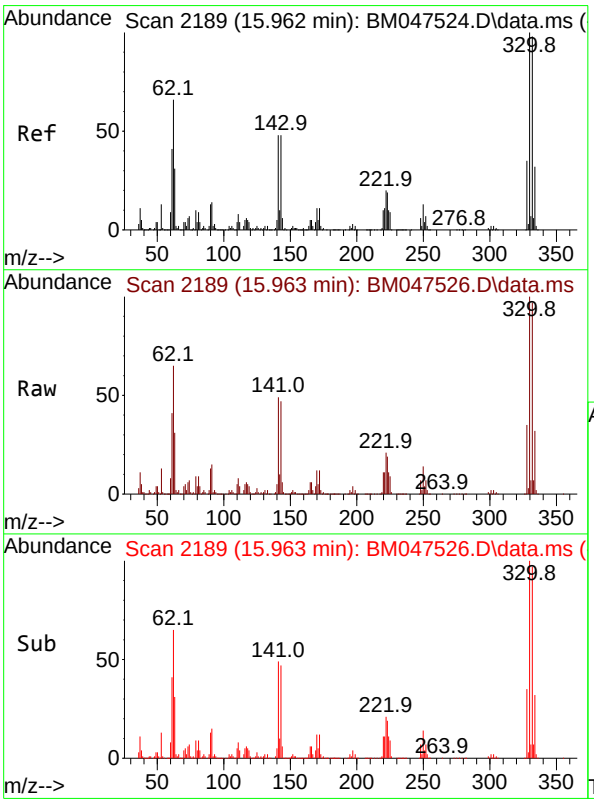
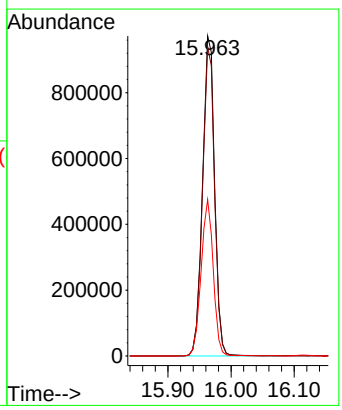


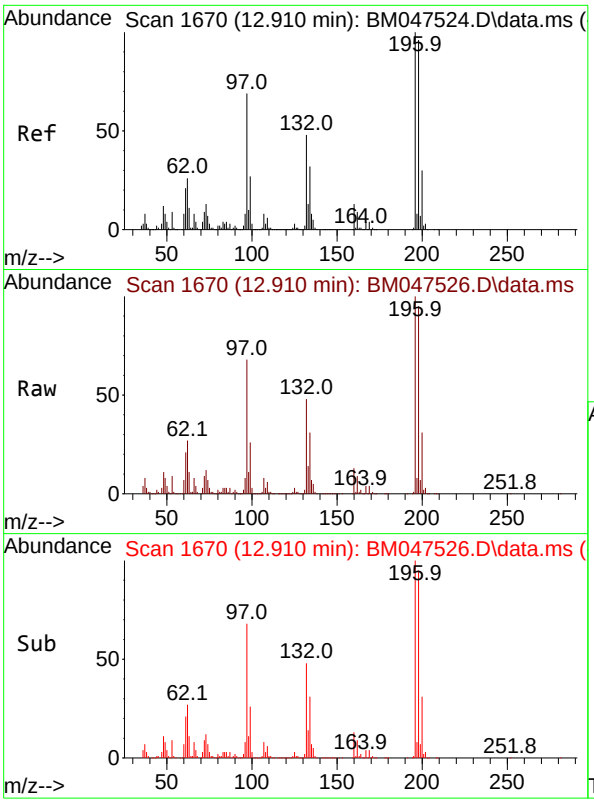


#42
2,4,6-Tribromophenol
Concen: 135.264 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
BNA_M
ClientSampleId :
SSTDICC060

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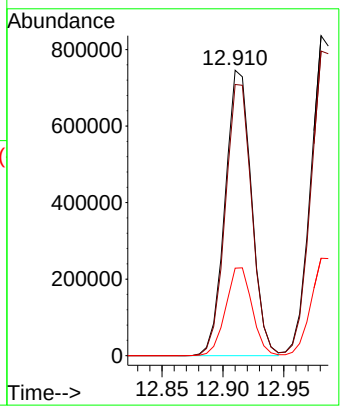
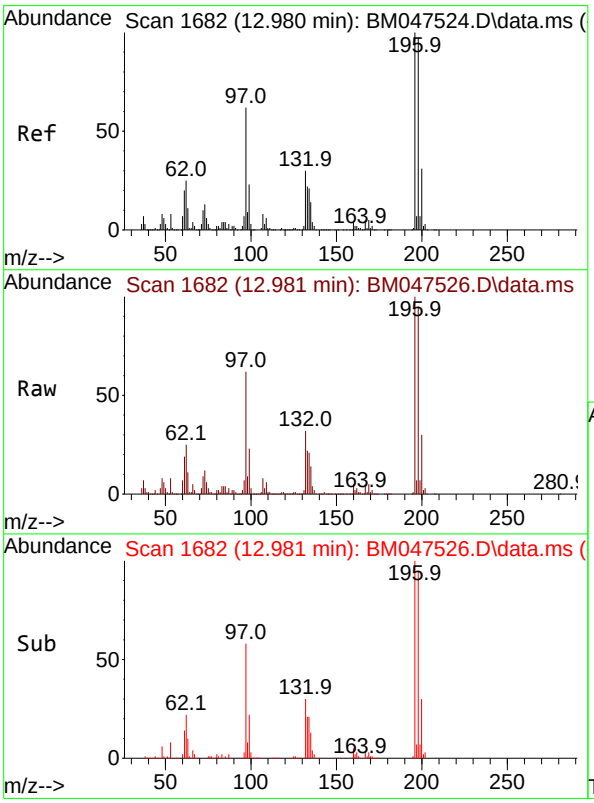
Supervised By :mohammad ahmed 09/17/2024

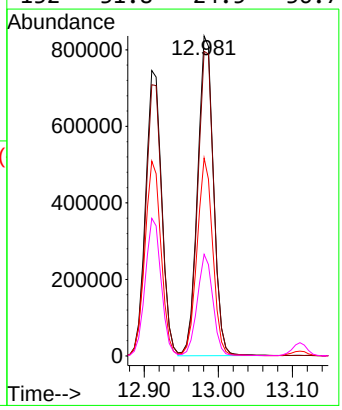


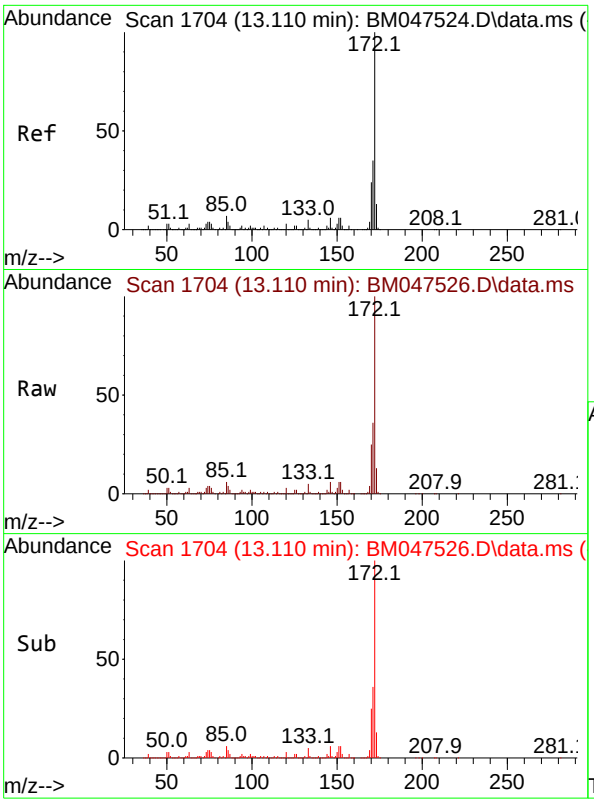


#44
2,4,5-Trichlorophenol
Concen: 65.878 ng
RT: 12.981 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

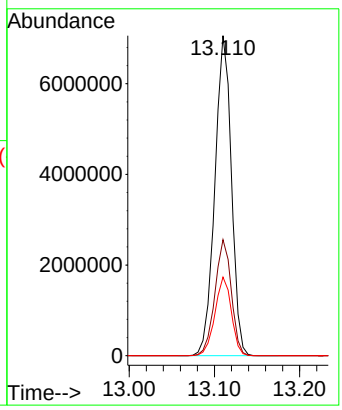




#45
2-Fluorobiphenyl
Concen: 132.892 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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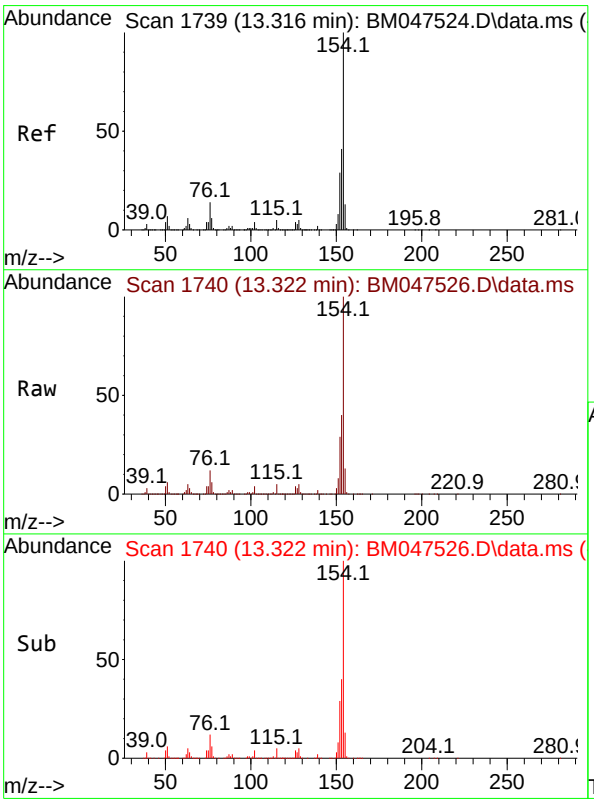
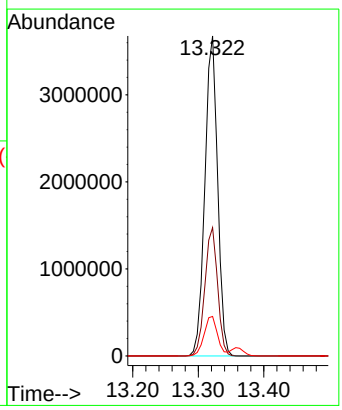
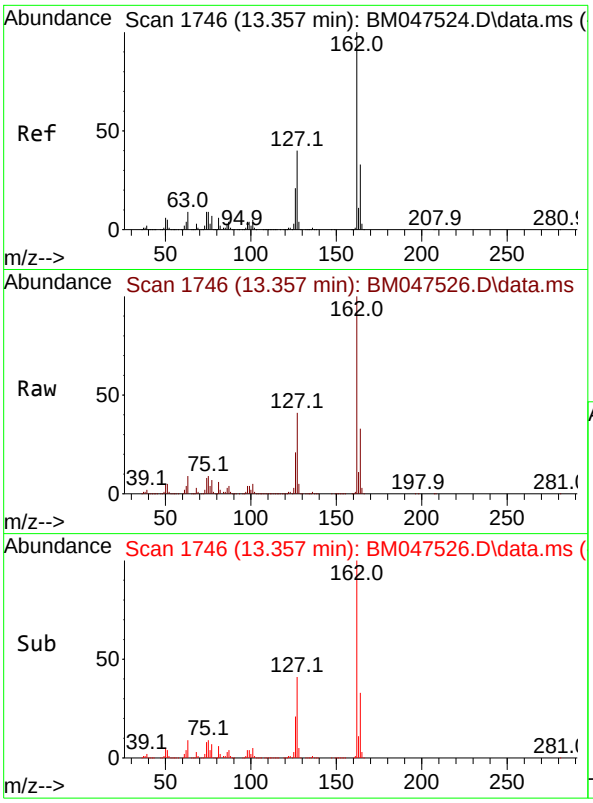


#46
1,1'-Biphenyl
Concen: 64.482 ng
RT: 13.322 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

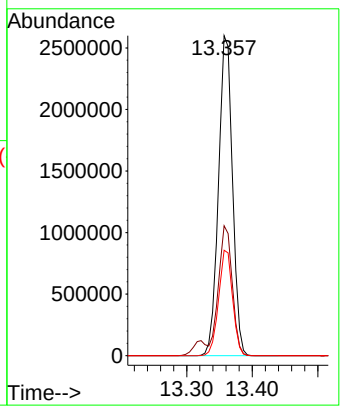




#47
2-Chloronaphthalene
Concen: 64.100 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
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ClientSampleId :
SSTDICC060

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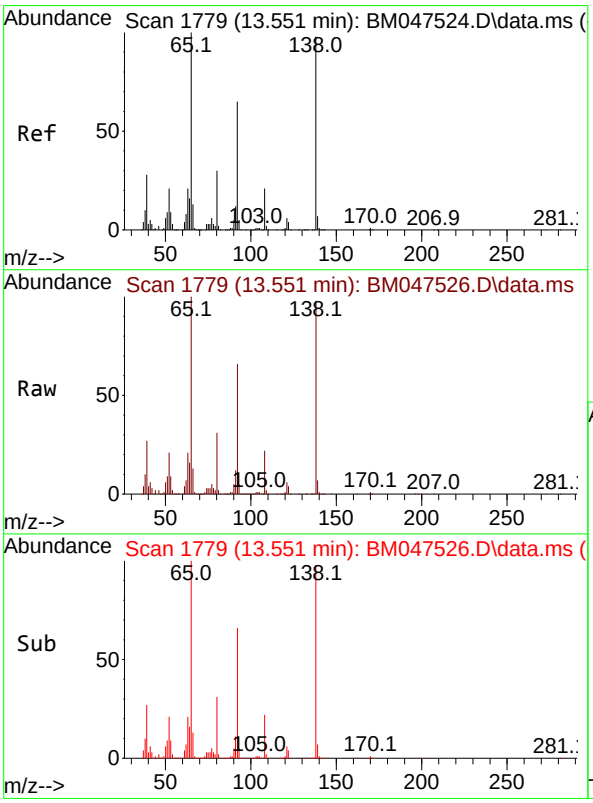
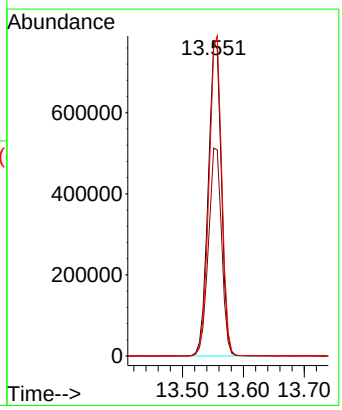
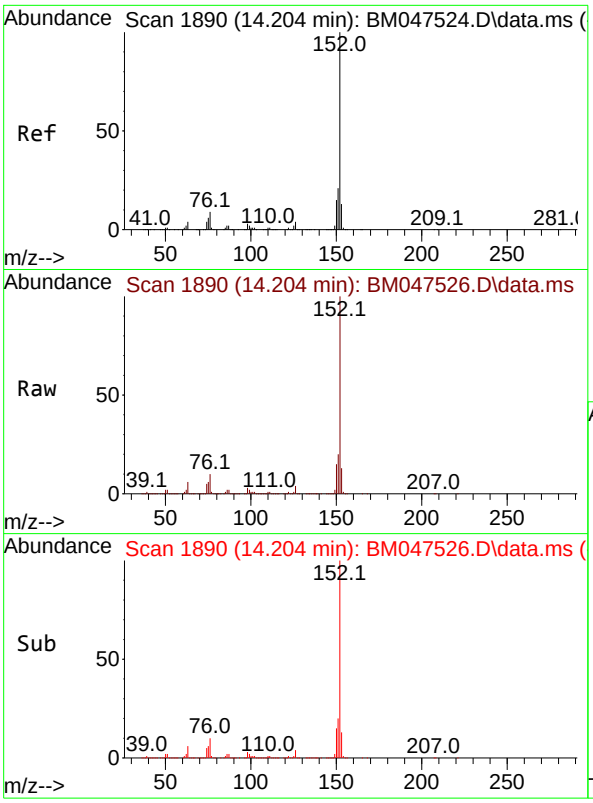


#48
2-Nitroaniline
Concen: 66.125 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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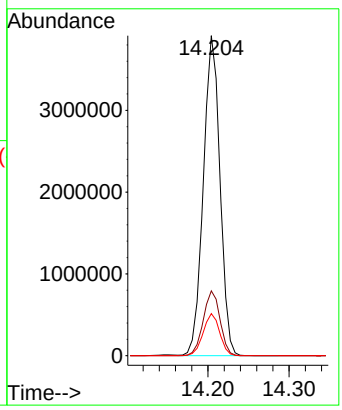
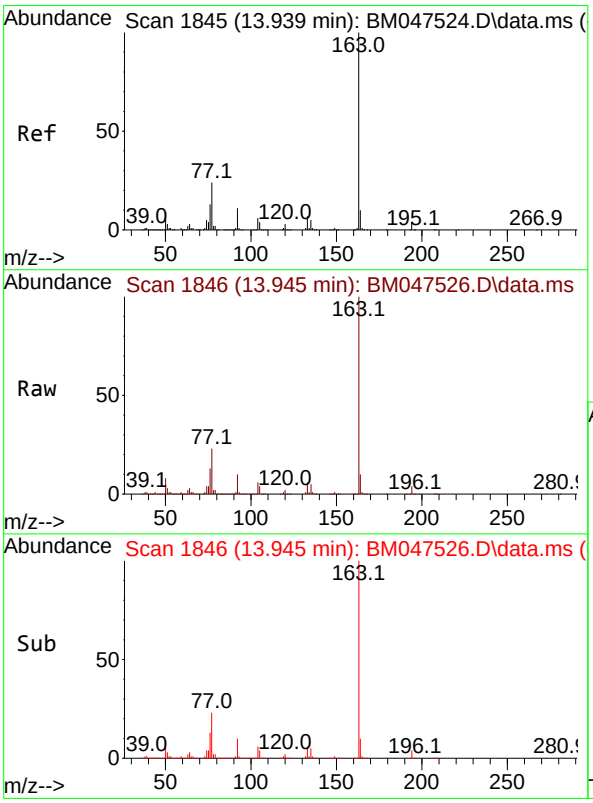
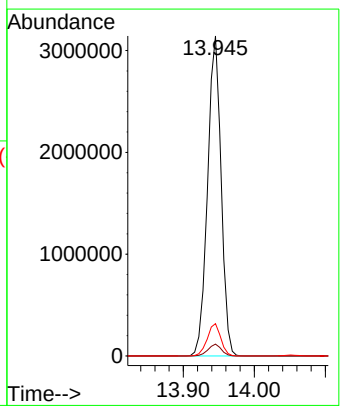


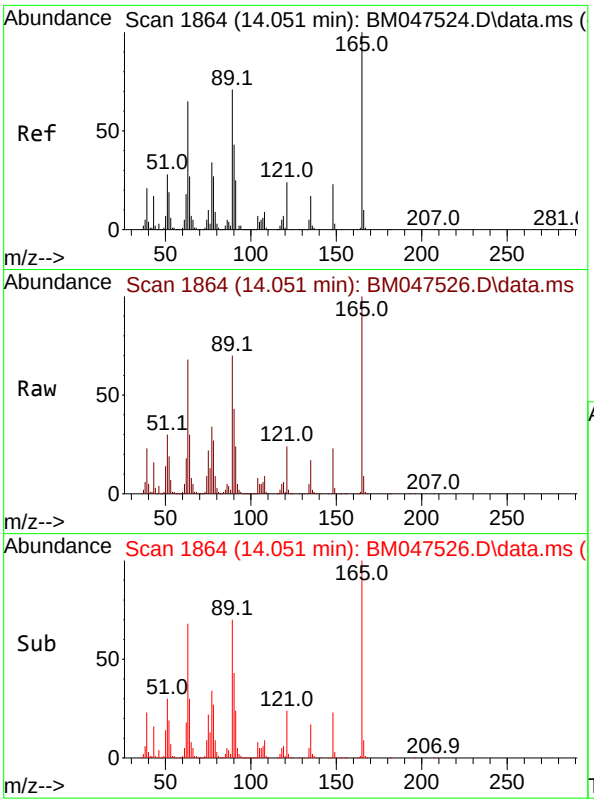


#50
Dimethylphthalate
Concen: 61.743 ng
RT: 13.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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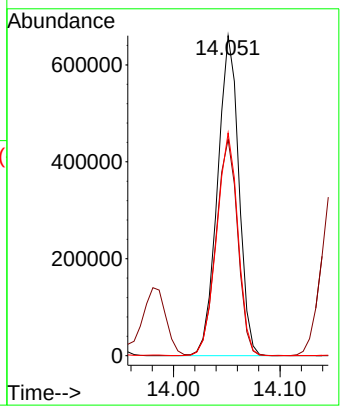
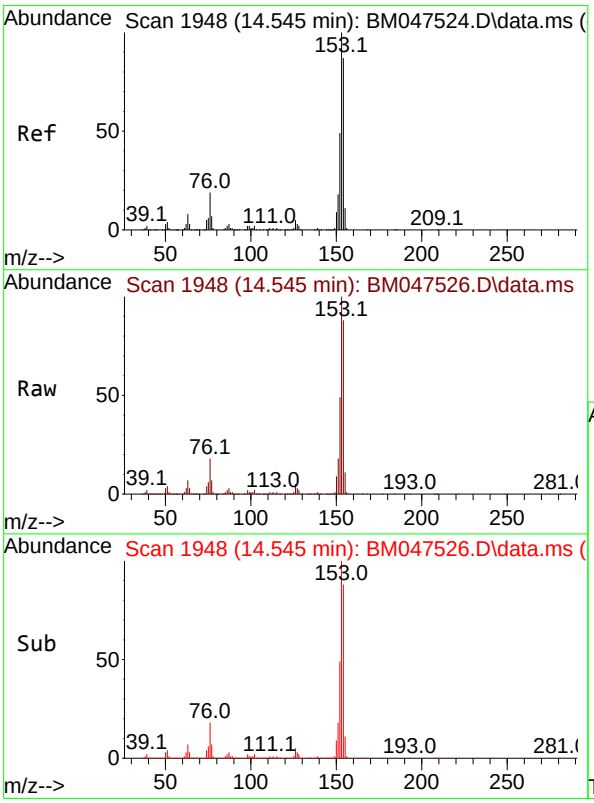
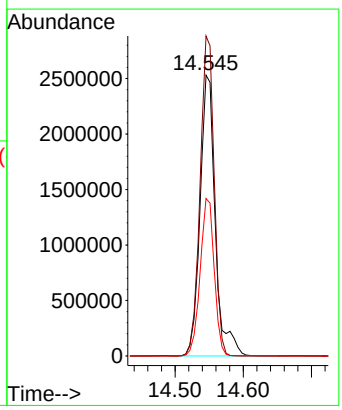


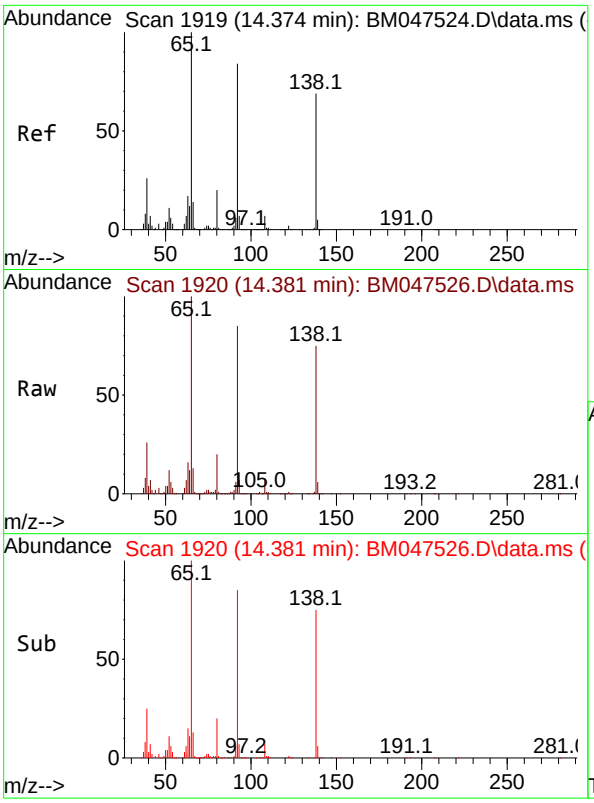


#52
Acenaphthene
Concen: 64.922 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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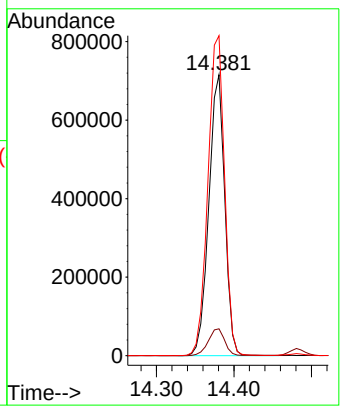
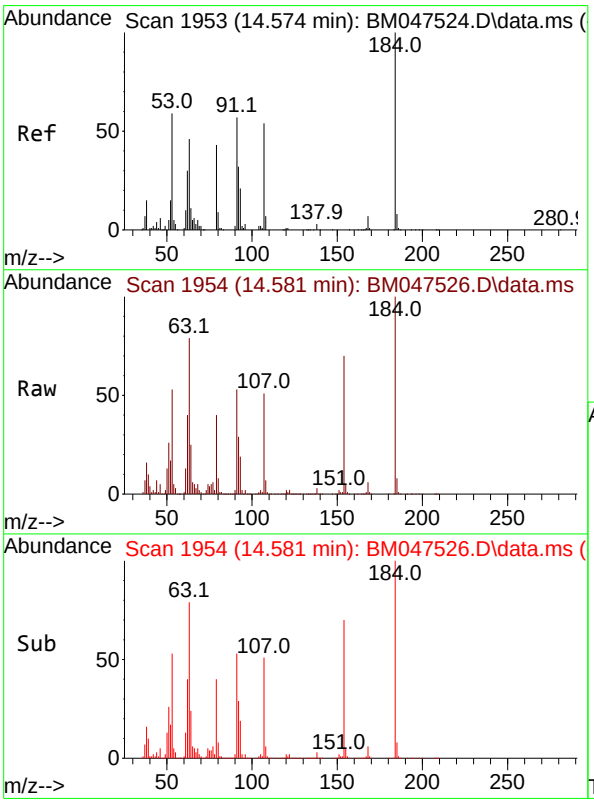
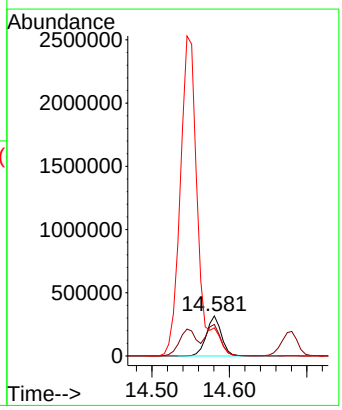


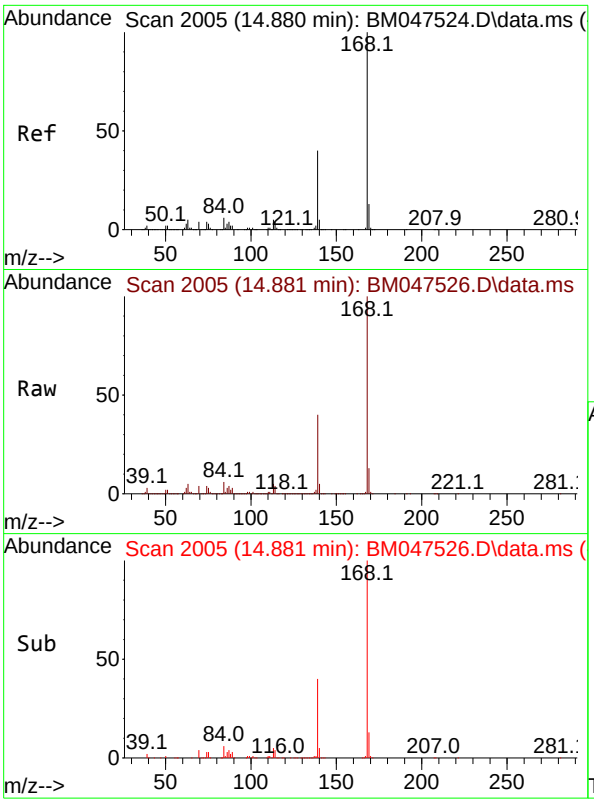


#54
2,4-Dinitrophenol
Concen: 59.540 ng
RT: 14.581 min Scan# 1954
Delta R.T. 0.007 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

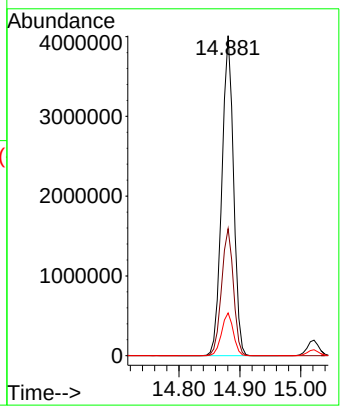




#55
Dibenzofuran
Concen: 63.175 ng
RT: 14.881 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
SSTDICC060

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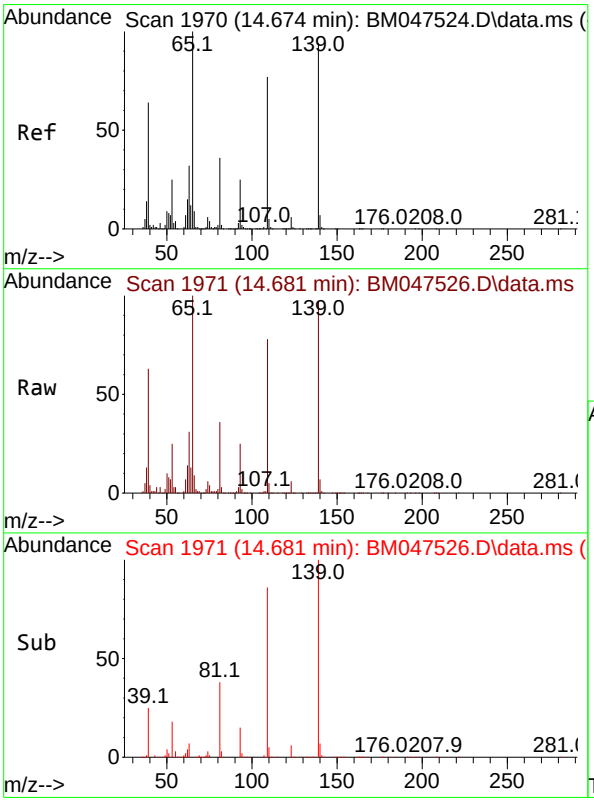
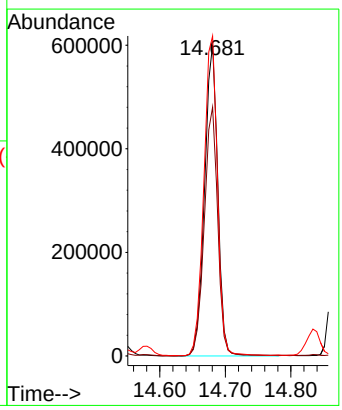
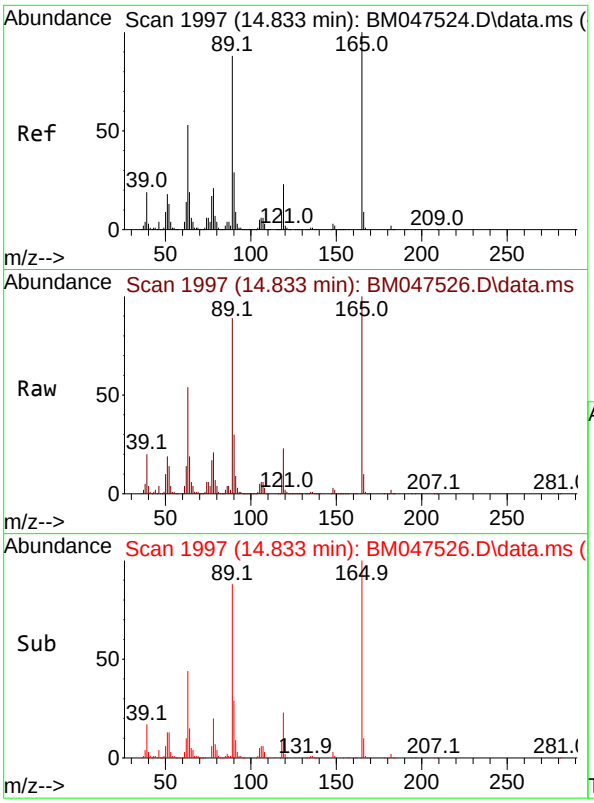


#56
4-Nitrophenol
Concen: 65.100 ng
RT: 14.681 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

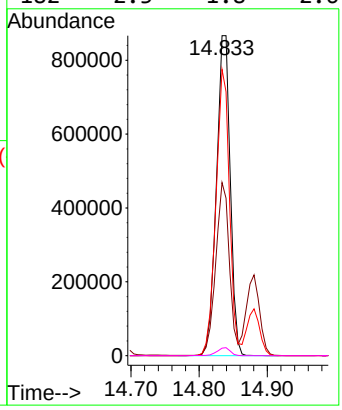




#57
2,4-Dinitrotoluene
Concen: 64.518 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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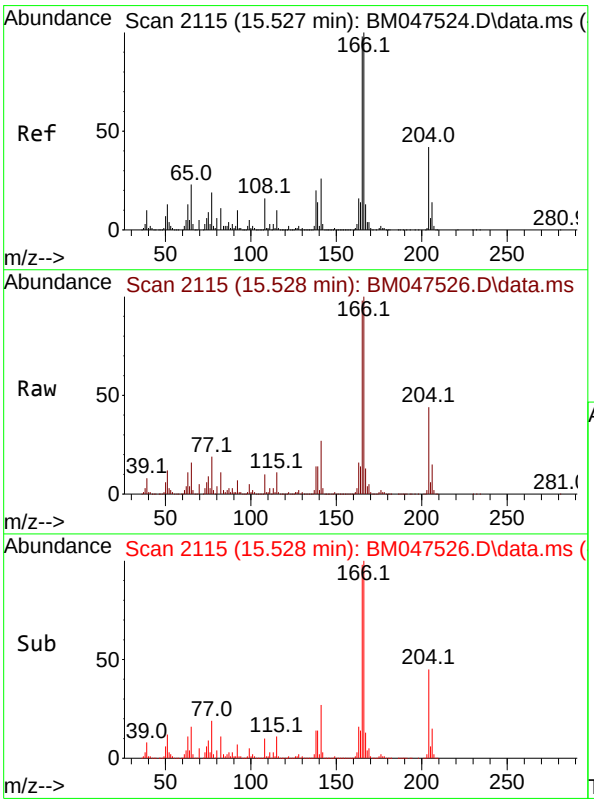
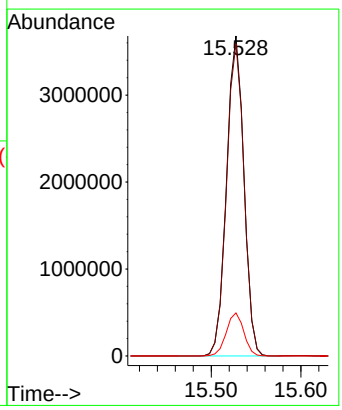
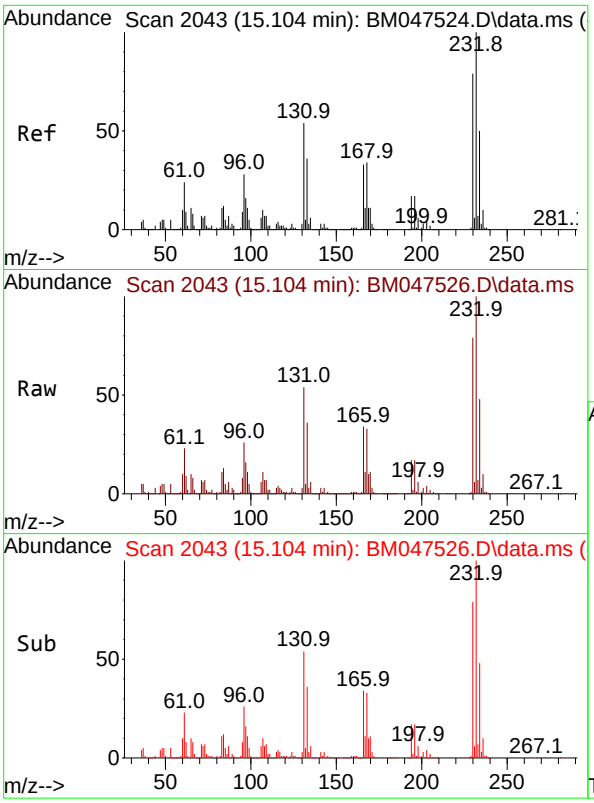


#58
Fluorene
Concen: 64.791 ng
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

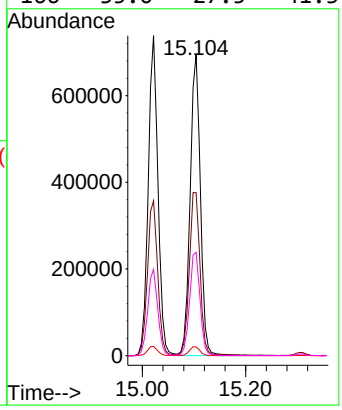




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.671 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
BNA_M
ClientSampleId :
SSTDICC060

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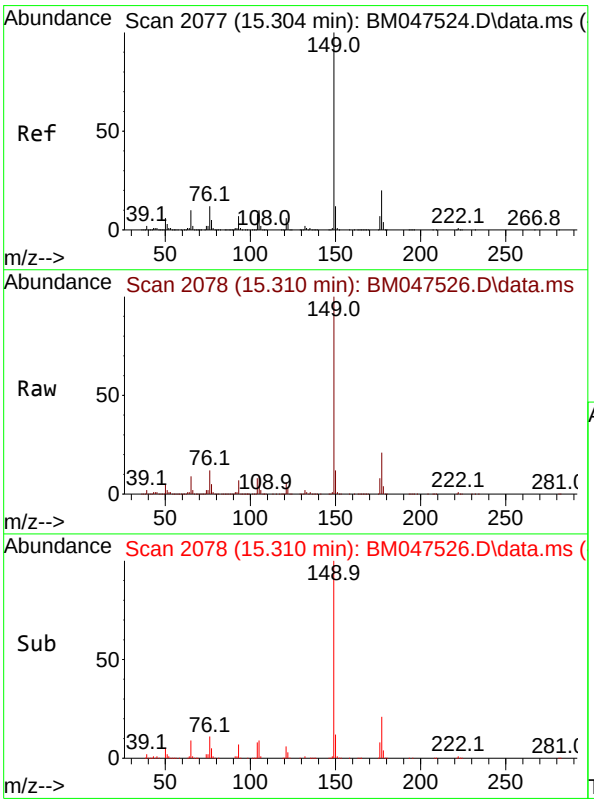
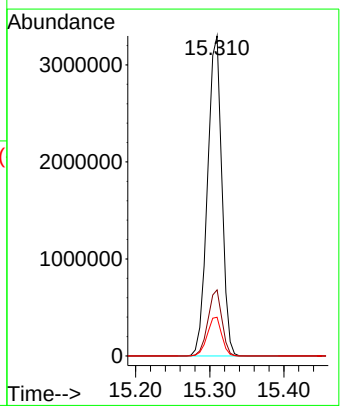
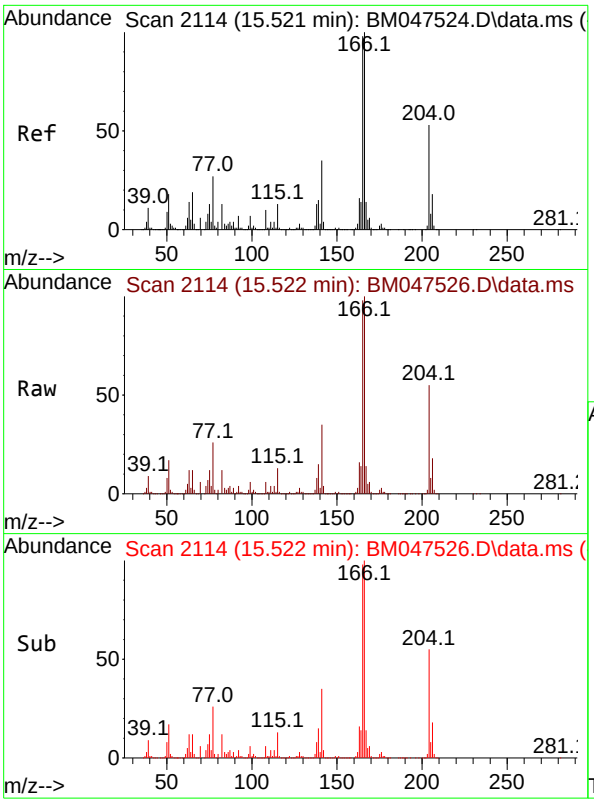


#60
Diethylphthalate
Concen: 61.427 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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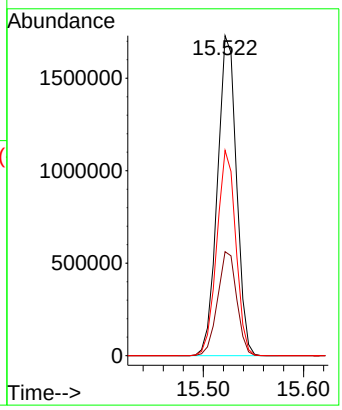
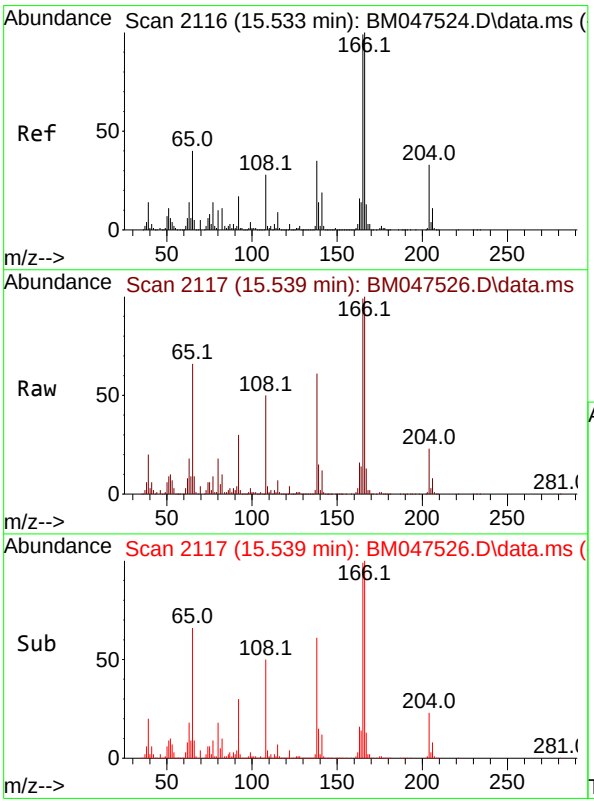
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

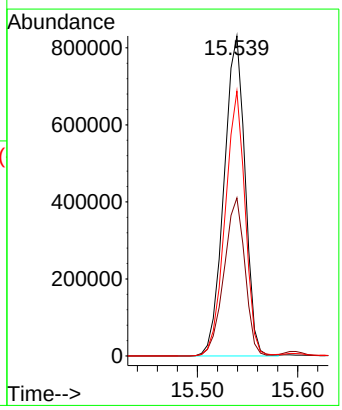


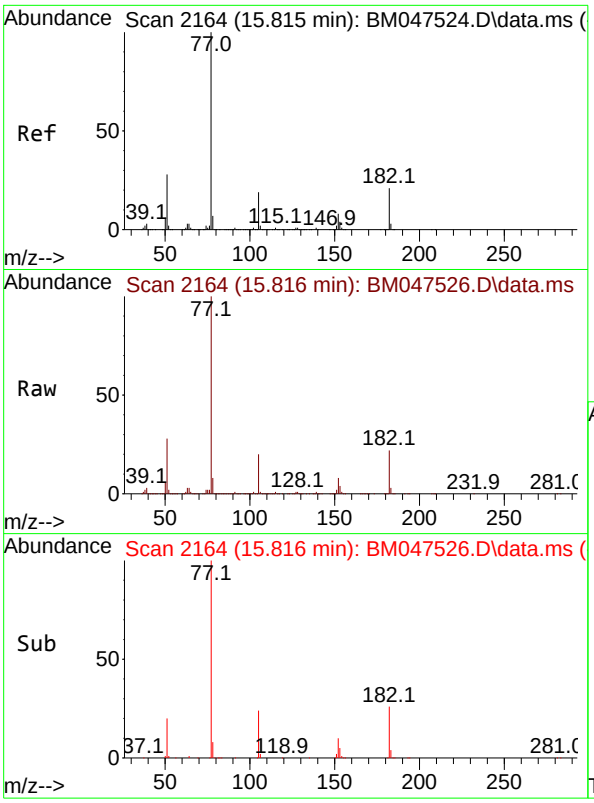


#62
4-Nitroaniline
Concen: 65.036 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

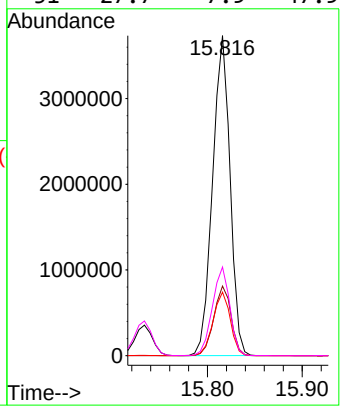




#63
Azobenzene
Concen: 60.394 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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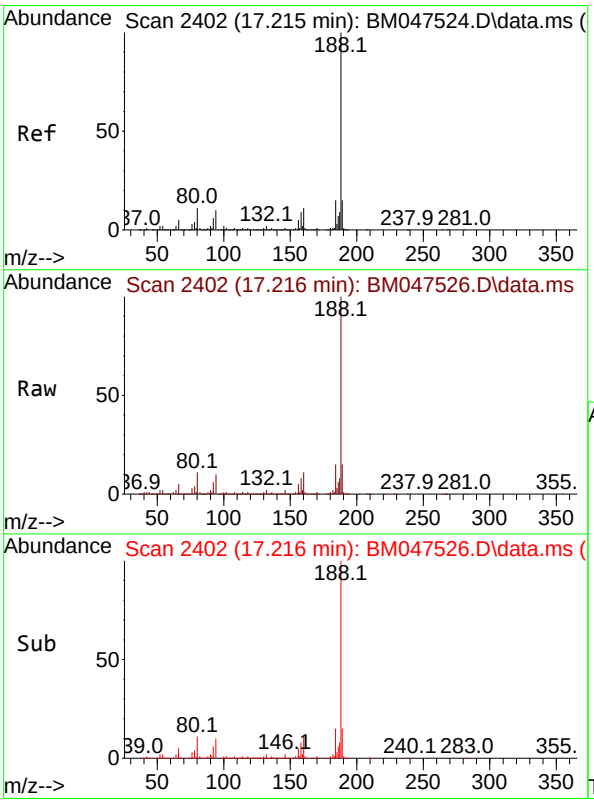
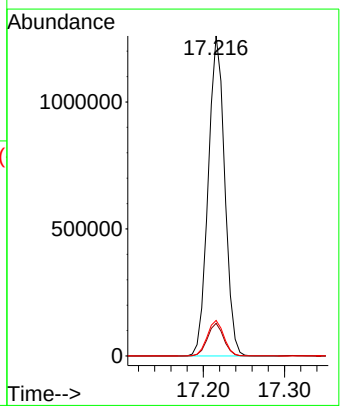
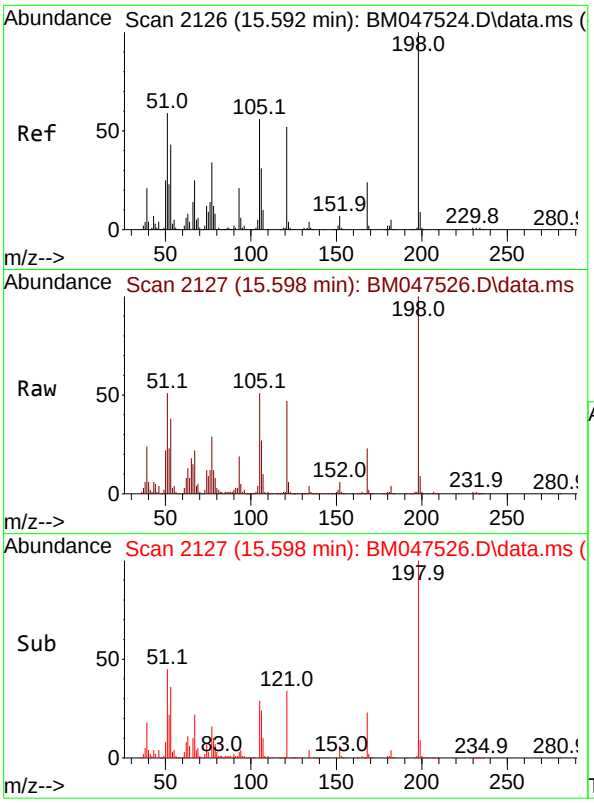


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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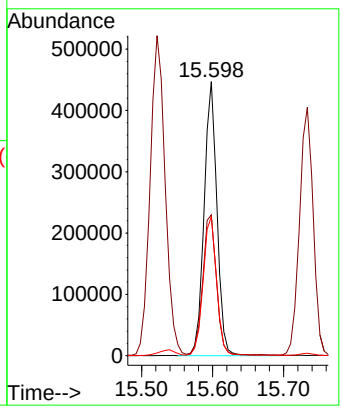
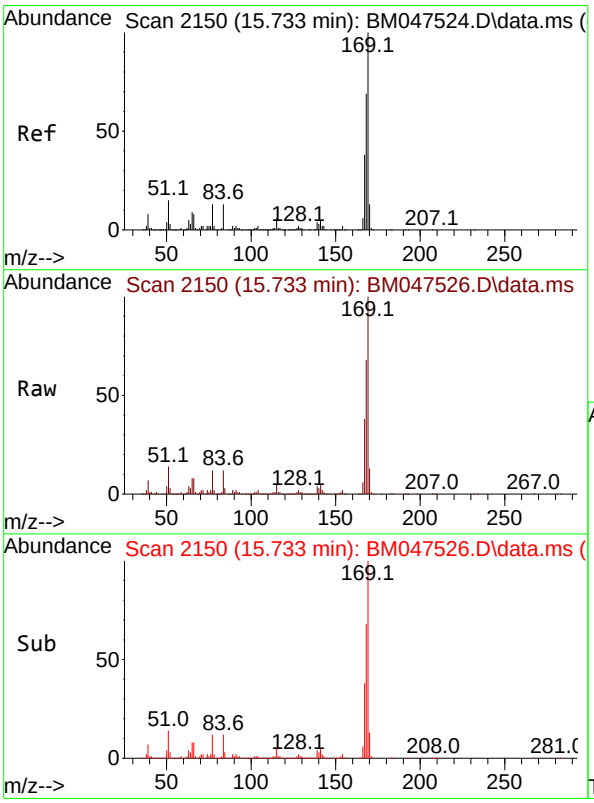
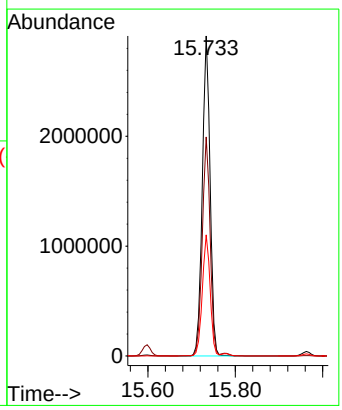


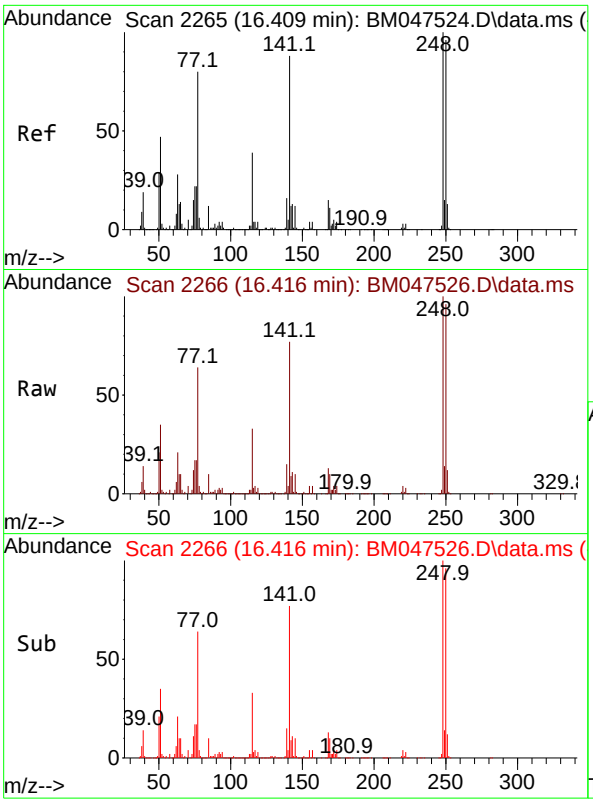


#66
n-Nitrosodiphenylamine
Concen: 66.434 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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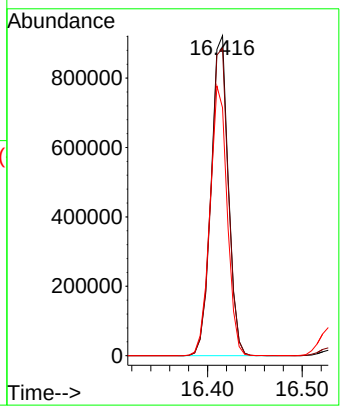
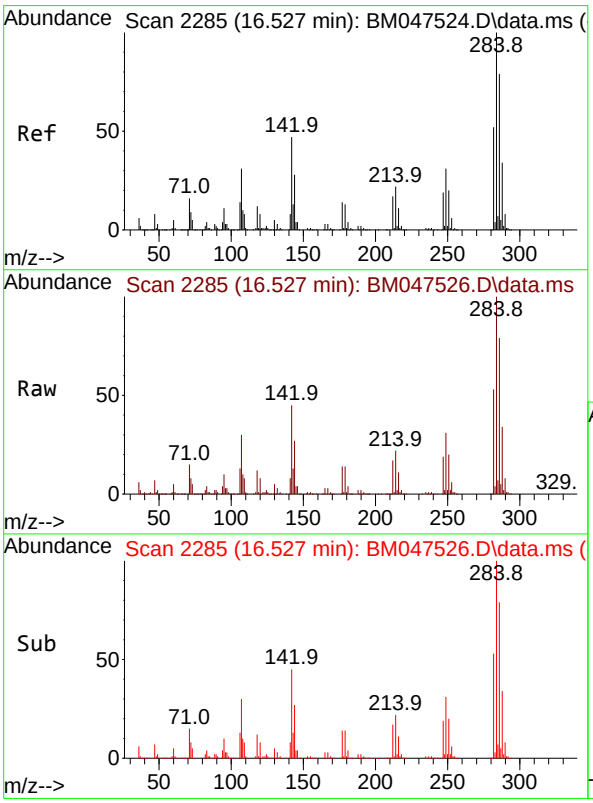
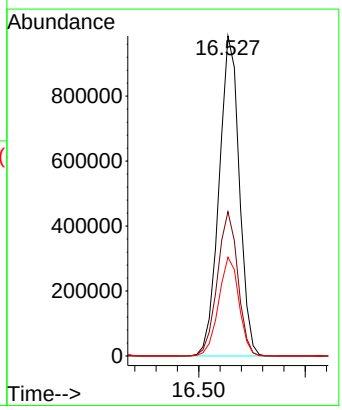


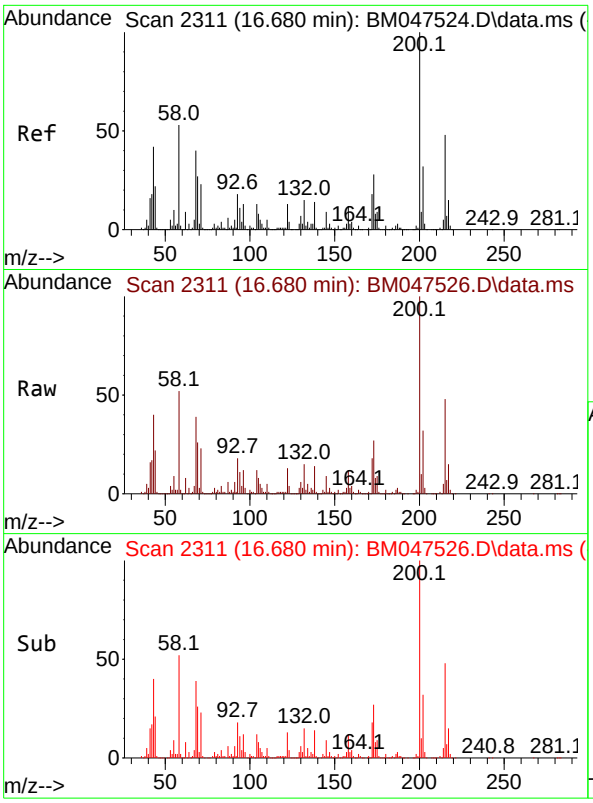


#68
Hexachlorobenzene
Concen: 66.357 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

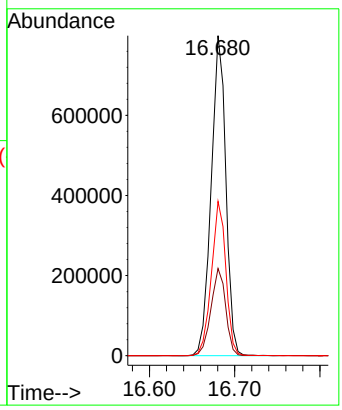




#69
Atrazine
Concen: 63.518 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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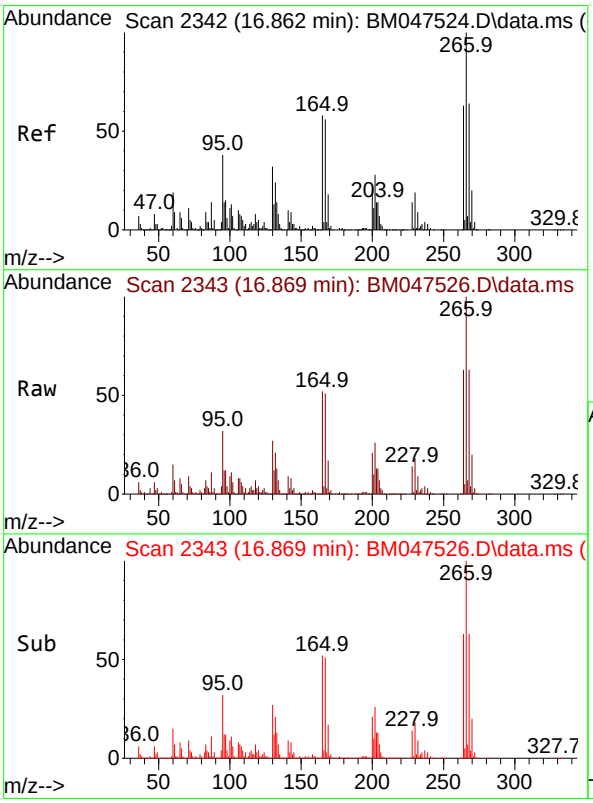
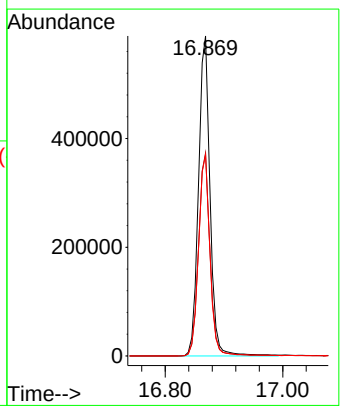
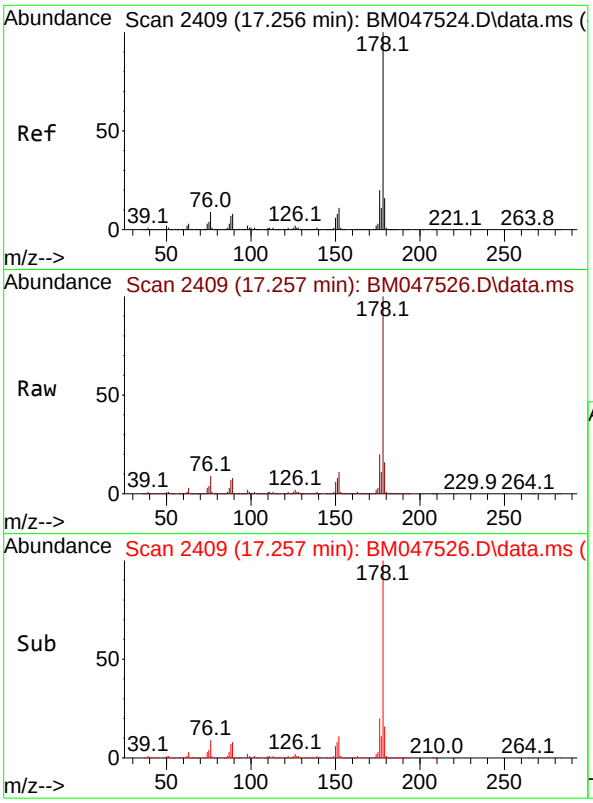


#70
Pentachlorophenol
Concen: 70.588 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

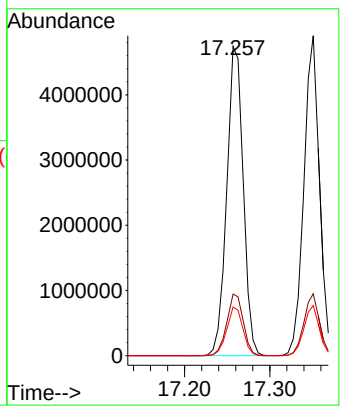




#71
Phenanthrene
Concen: 65.155 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
BNA_M
ClientSampleId :
SSTDICC060

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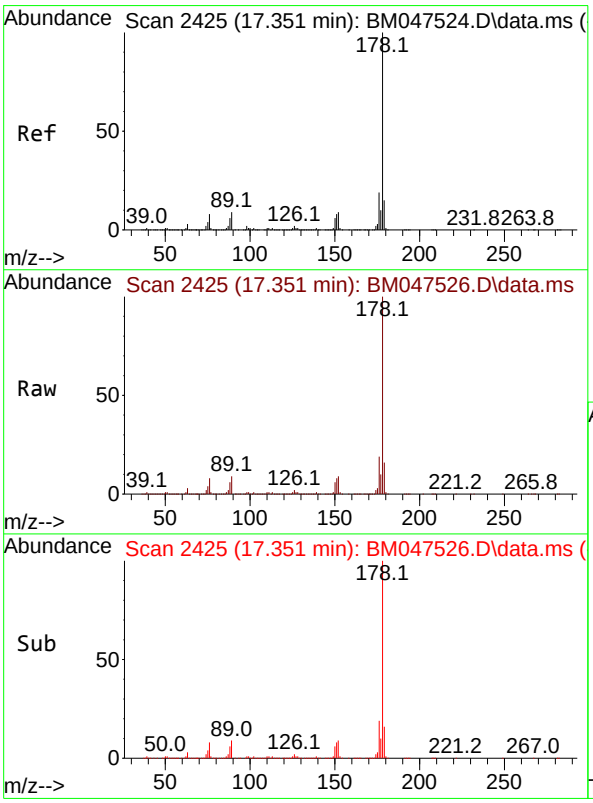
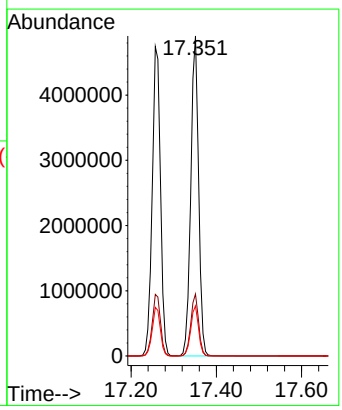
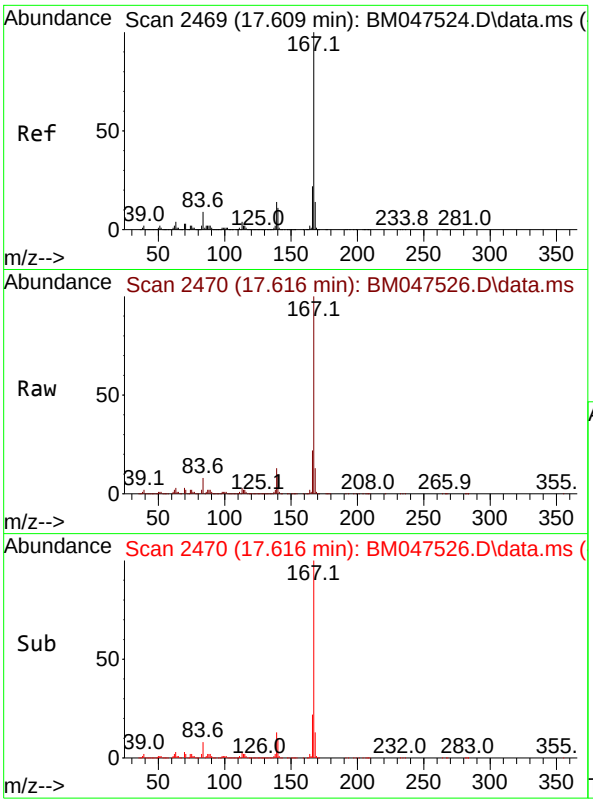


#72
Anthracene
Concen: 66.223 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
SSTDICC060

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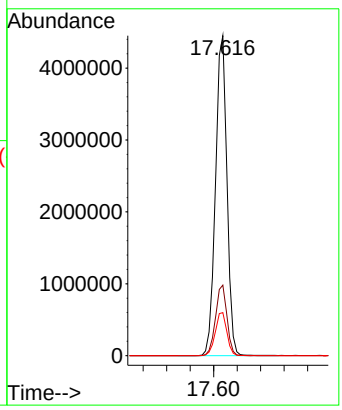
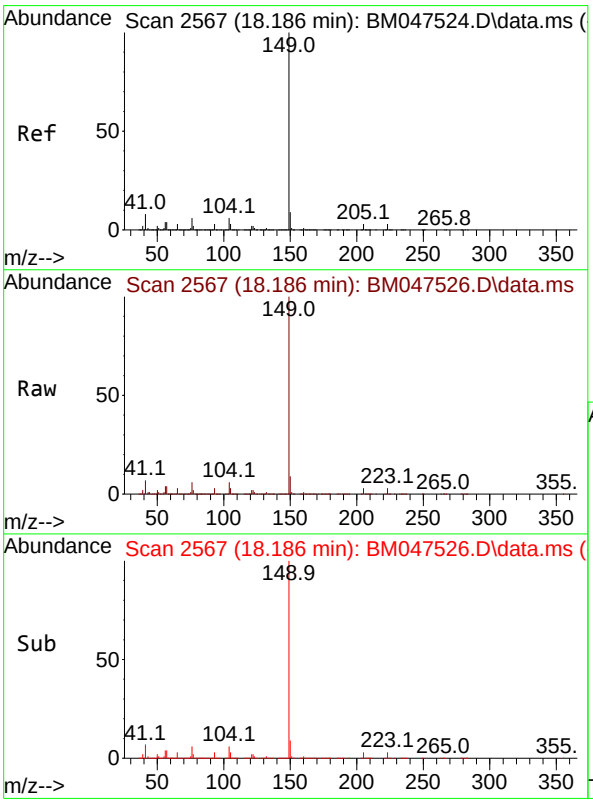
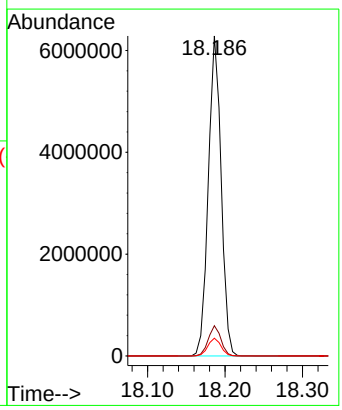


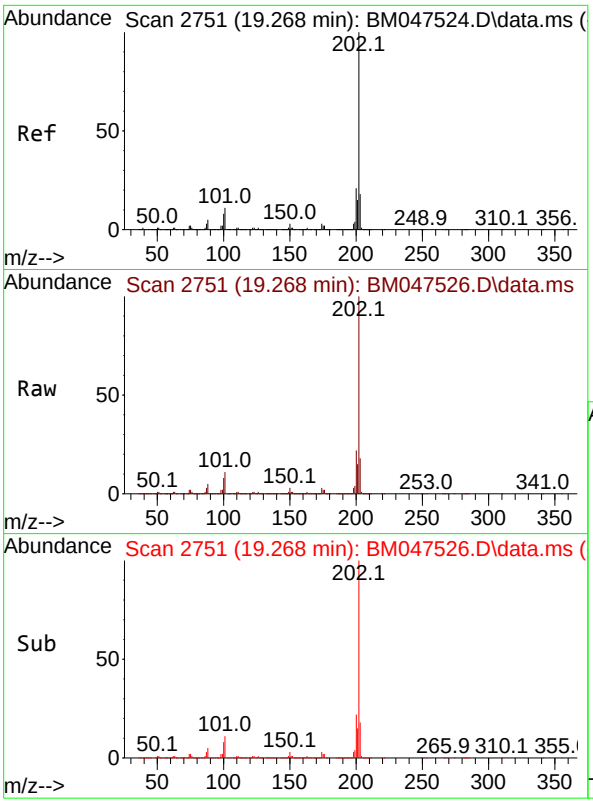


#74
Di-n-butylphthalate
Concen: 64.583 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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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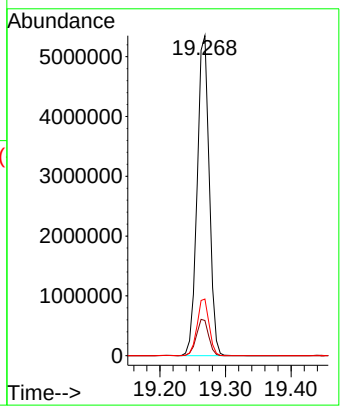
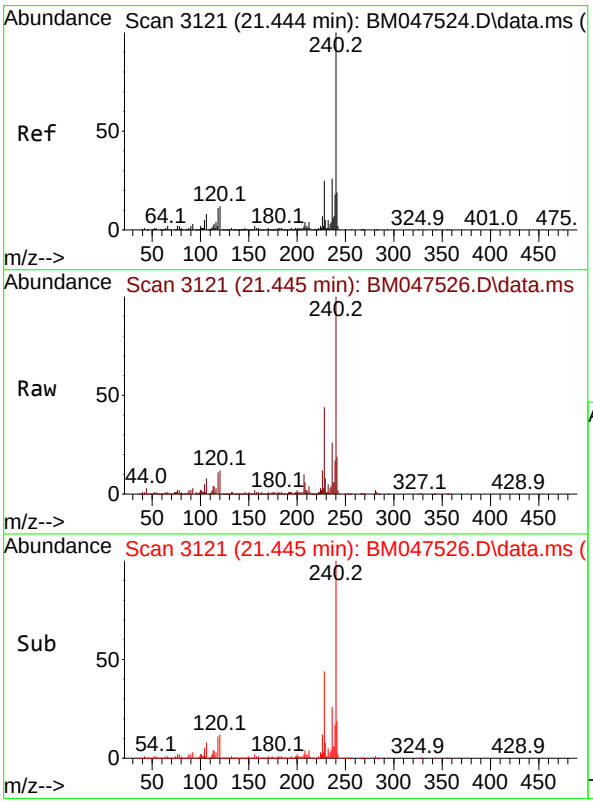
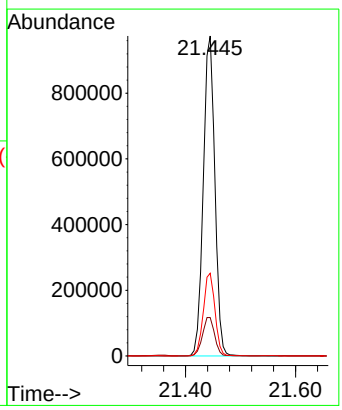


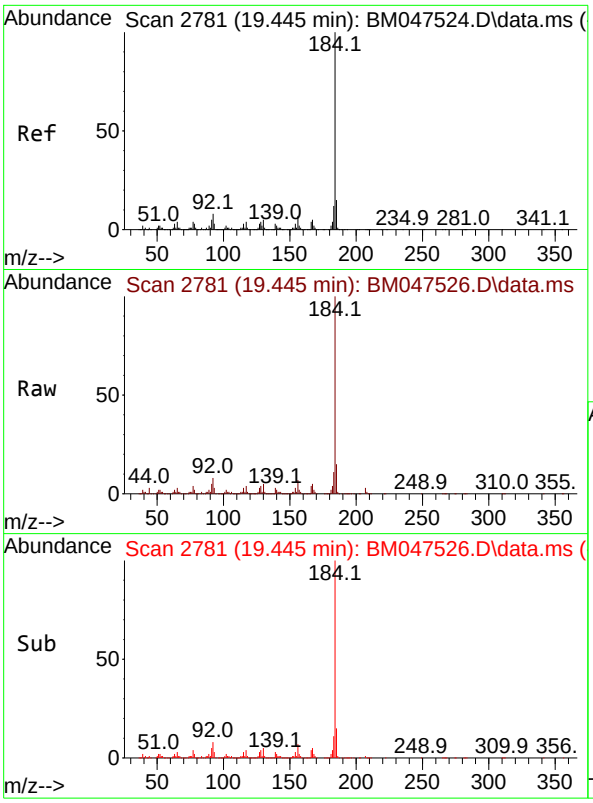


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

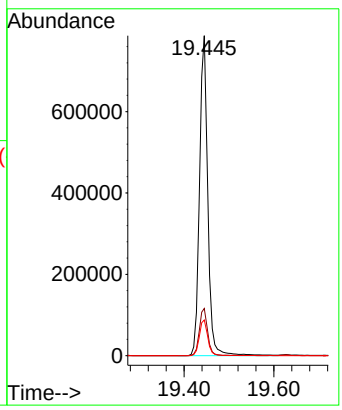




#77
Benzidine
Concen: 50.257 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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 :
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ClientSampleId :
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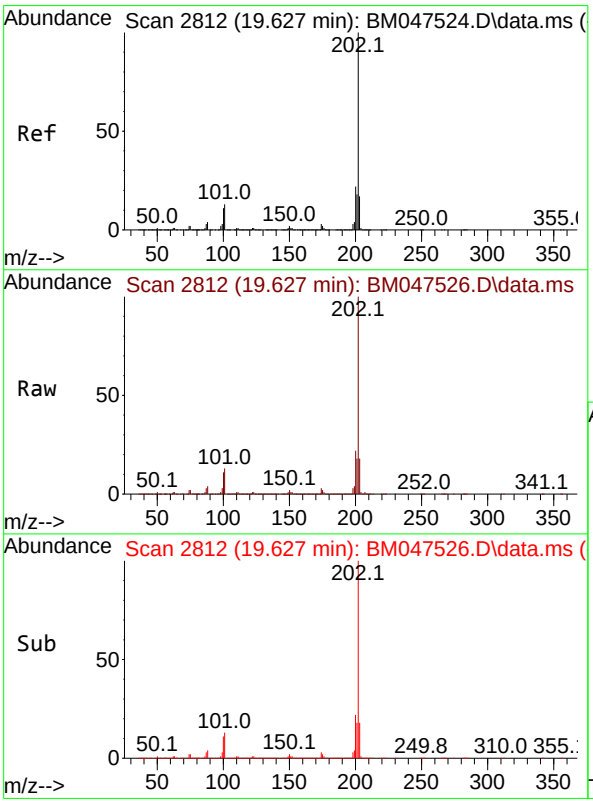
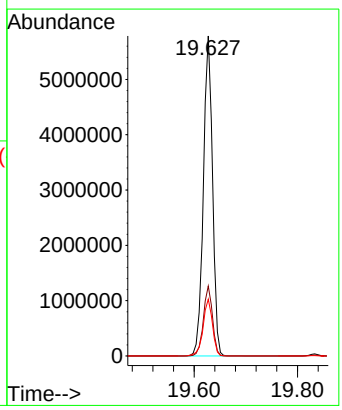
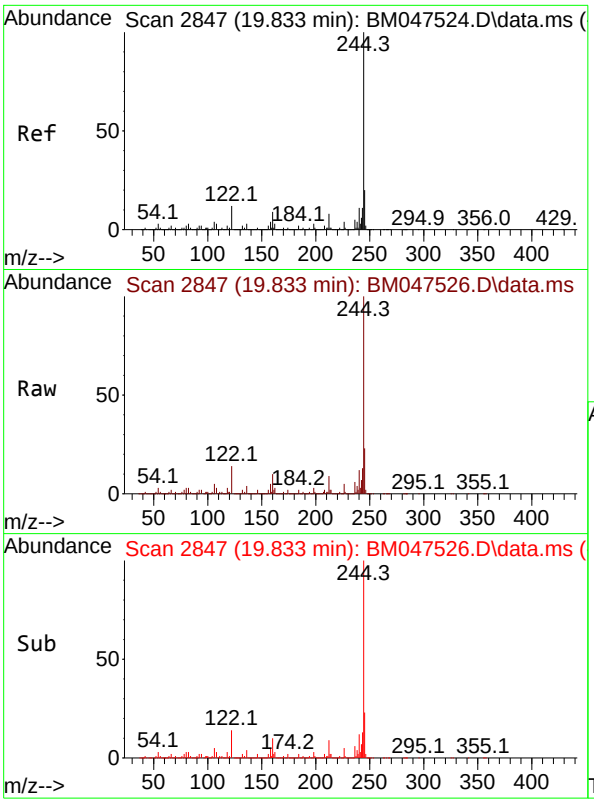


#78
Pyrene
Concen: 68.749 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

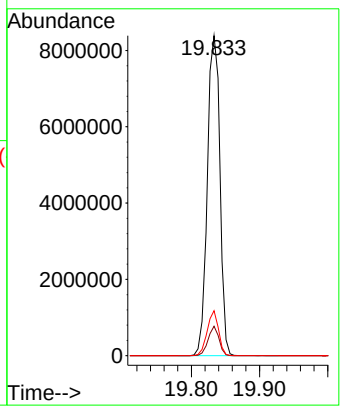




#79
Terphenyl-d14
Concen: 135.674 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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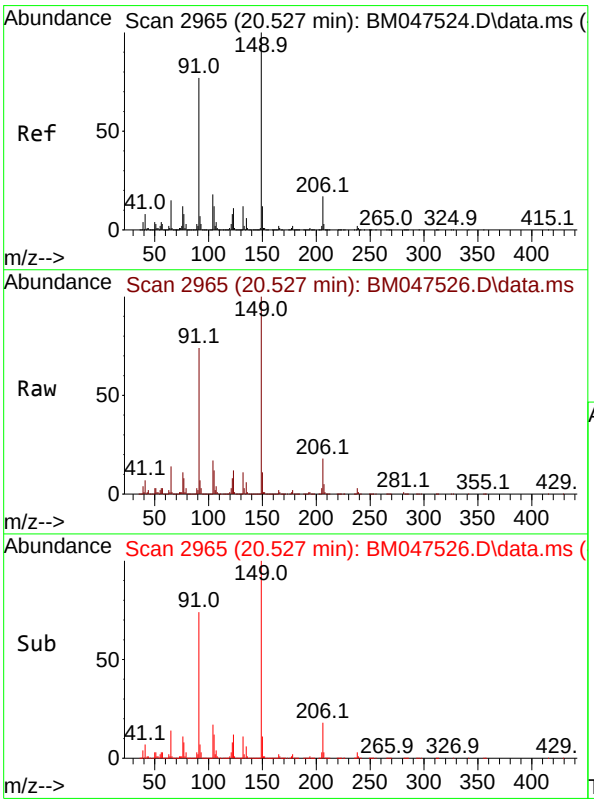
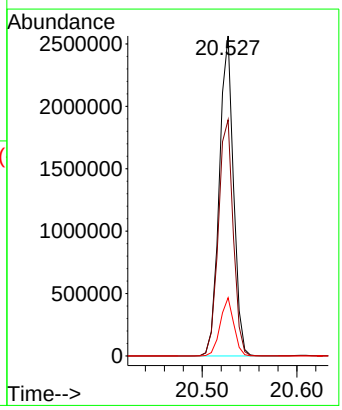
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

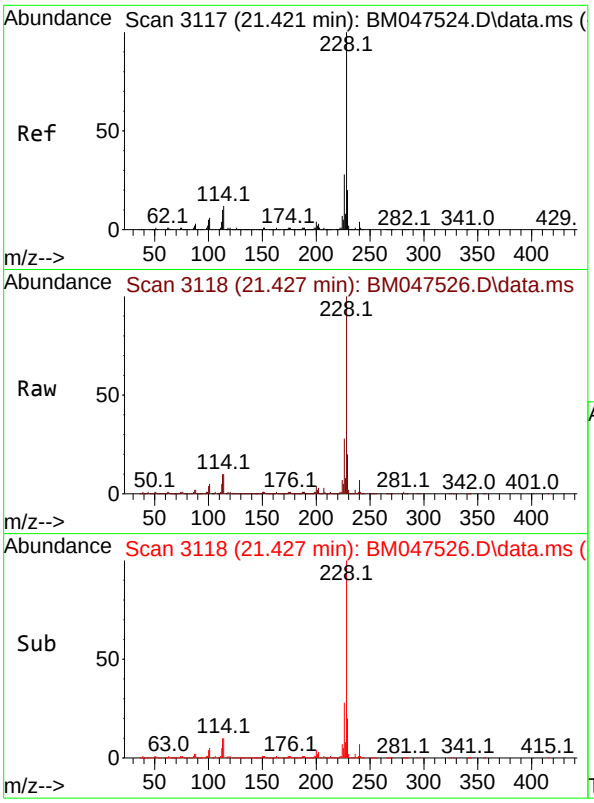


#80
Butylbenzylphthalate
Concen: 66.961 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

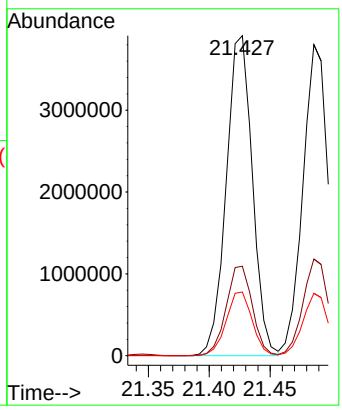




#81
Benzo(a)anthracene
Concen: 63.261 ng
RT: 21.427 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:228 Resp: 584998

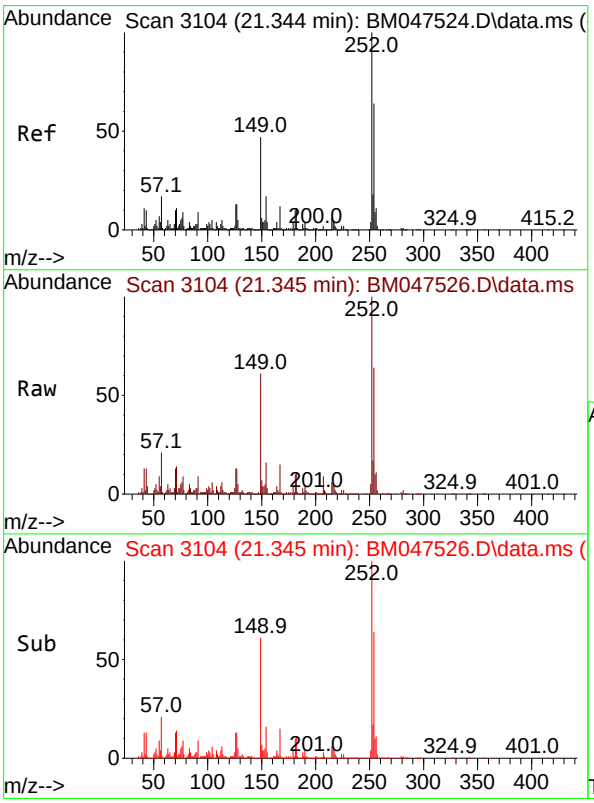
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	19.9	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

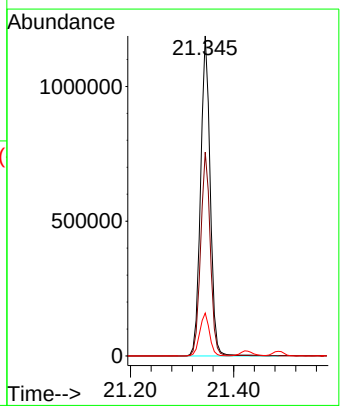
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

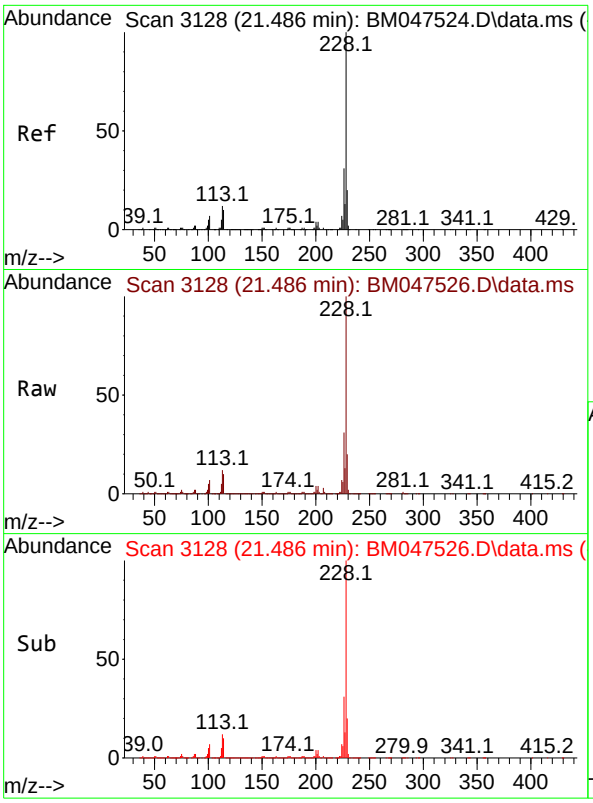


#82
3,3'-Dichlorobenzidine
Concen: 62.240 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

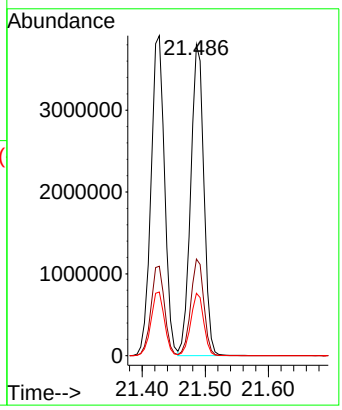




#83
Chrysene
Concen: 62.898 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:228 Resp: 550156

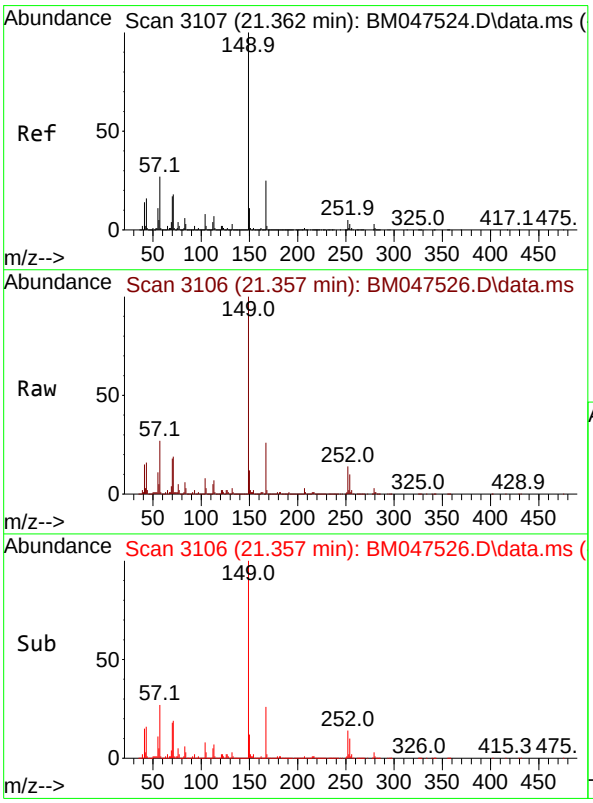
Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.0	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

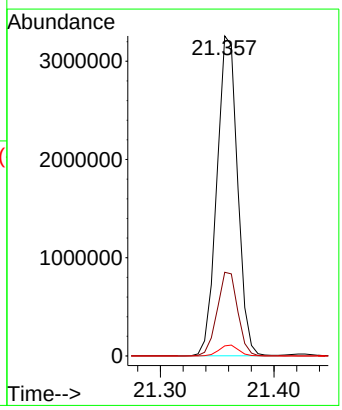
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

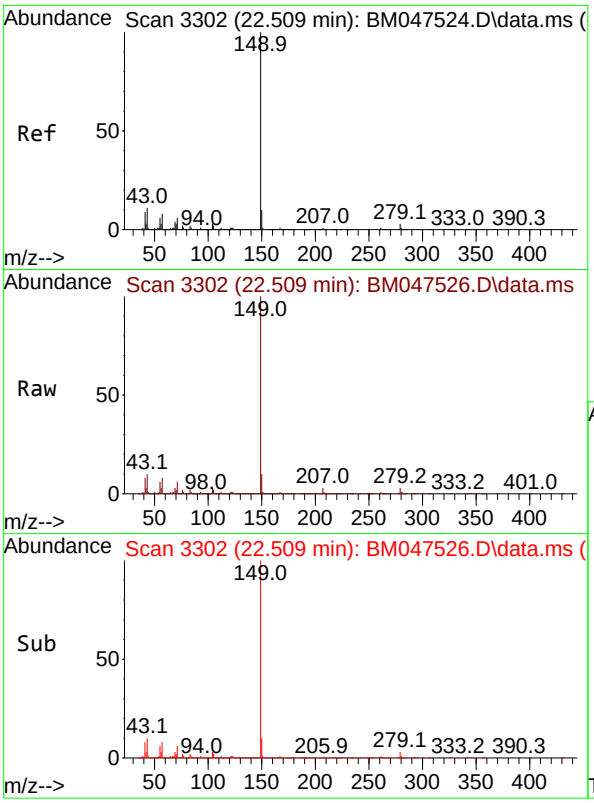


#84
Bis(2-ethylhexyl)phthalate
Concen: 66.107 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

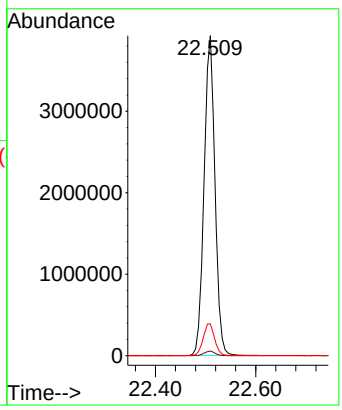
Tgt Ion:149 Resp: 592430

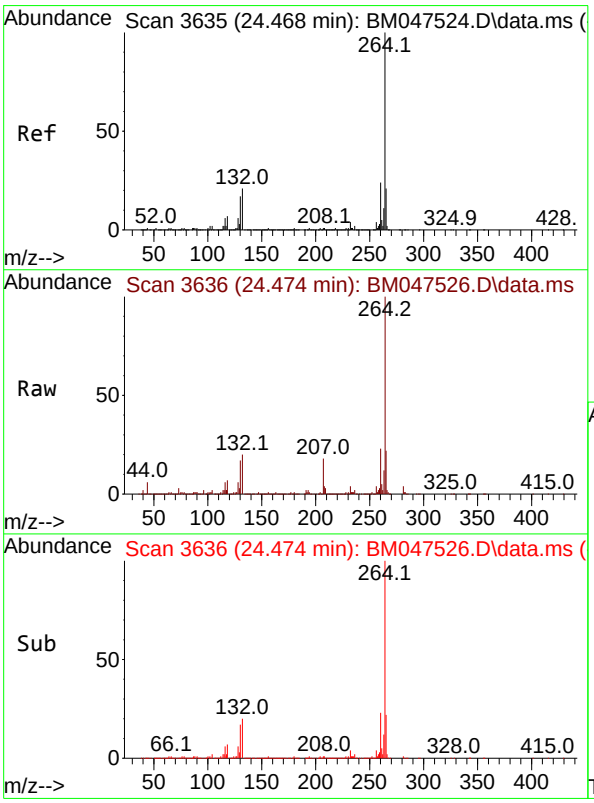
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.5	8.9	13.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

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

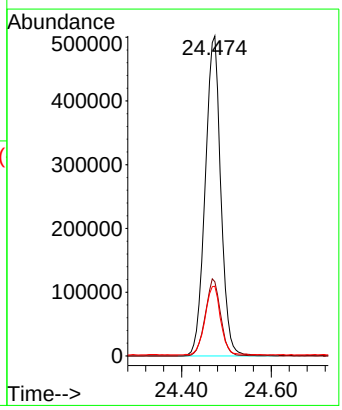


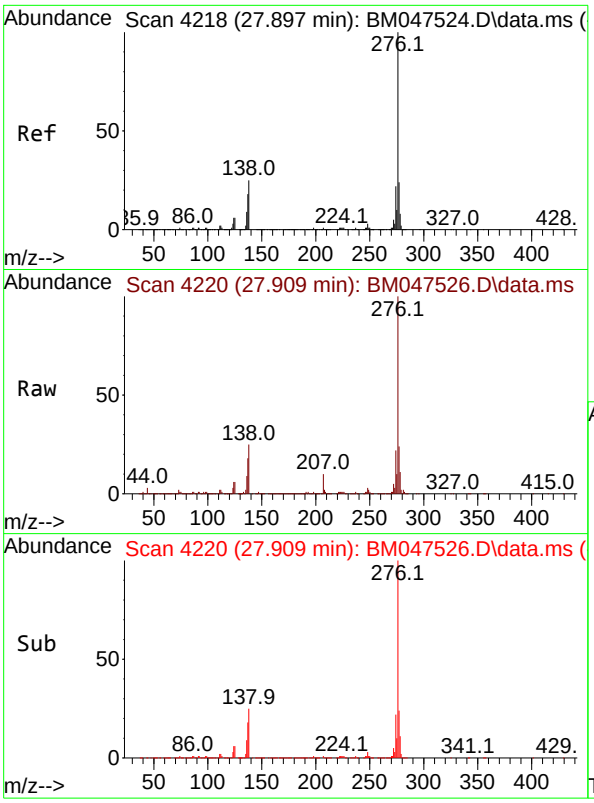


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3636
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

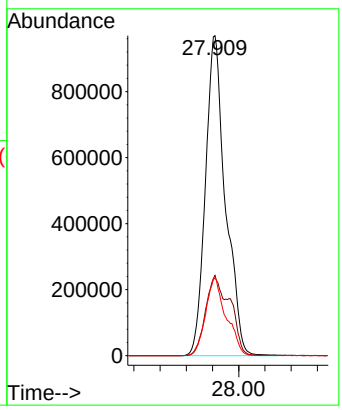




#87
Indeno(1,2,3-cd)pyrene
Concen: 71.030 ng
RT: 27.909 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:276 Resp: 514854

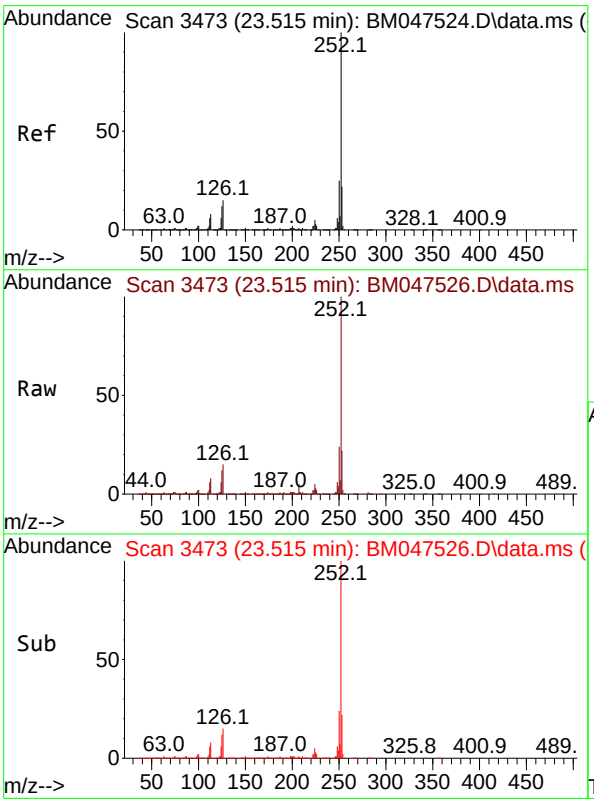
Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6
277	25.1	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

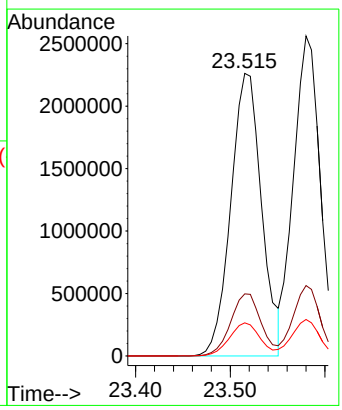
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

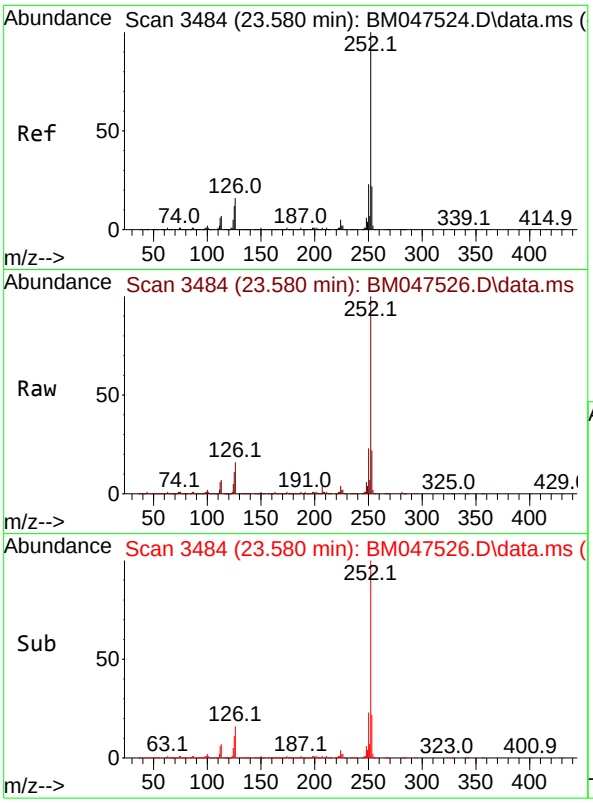


#88
Benzo(b)fluoranthene
Concen: 65.235 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

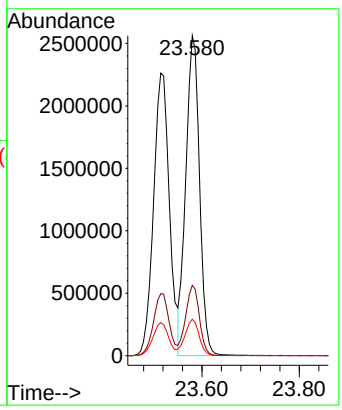
Tgt Ion:252 Resp: 502624

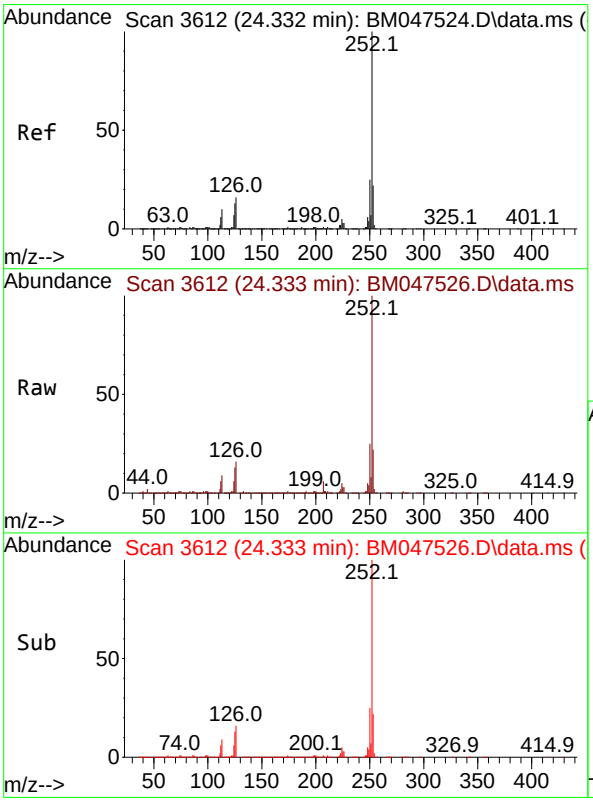
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.4	9.5	14.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

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

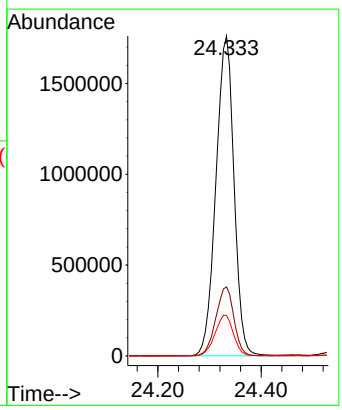


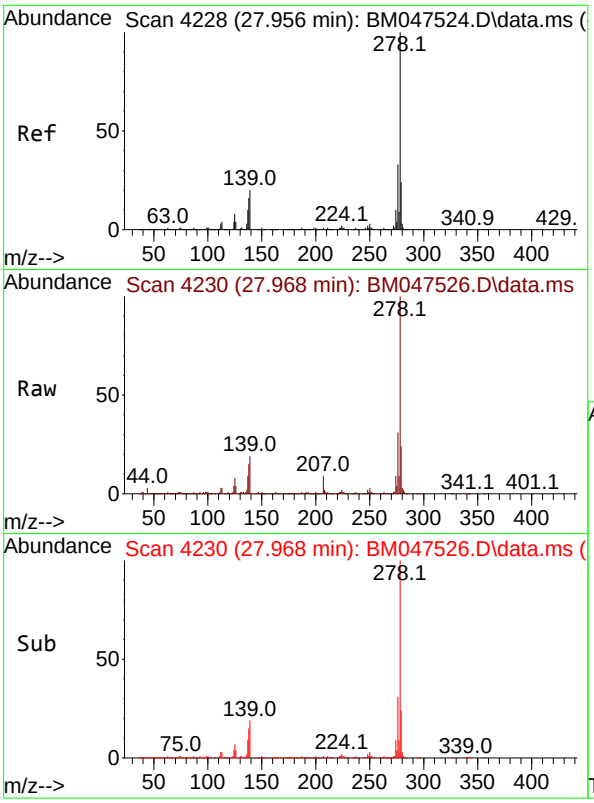


#90
Benzo(a)pyrene
Concen: 66.577 ng
RT: 24.333 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

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

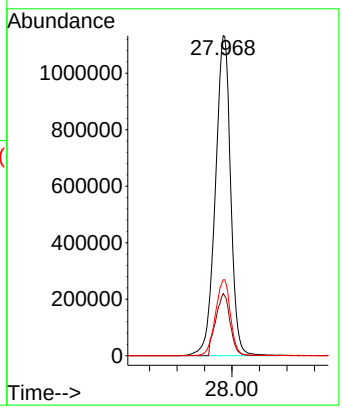




#91
Dibenzo(a,h)anthracene
Concen: 71.370 ng
RT: 27.968 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:278 Resp: 435246

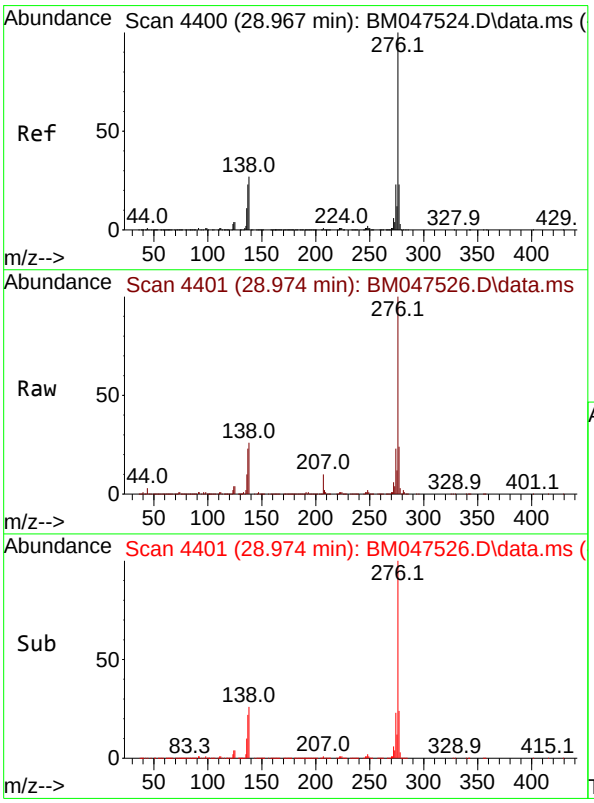
Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.9	23.9
279	23.7	19.3	28.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

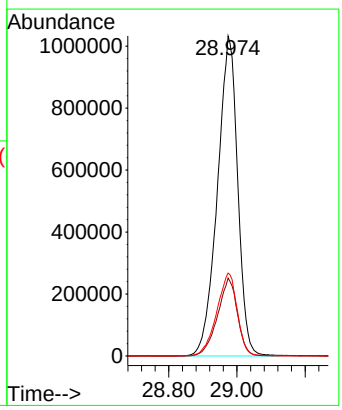
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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



Quantitation Report (QT Reviewed)

ICAL Form

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

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

ICAL Form

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

ICAL Form

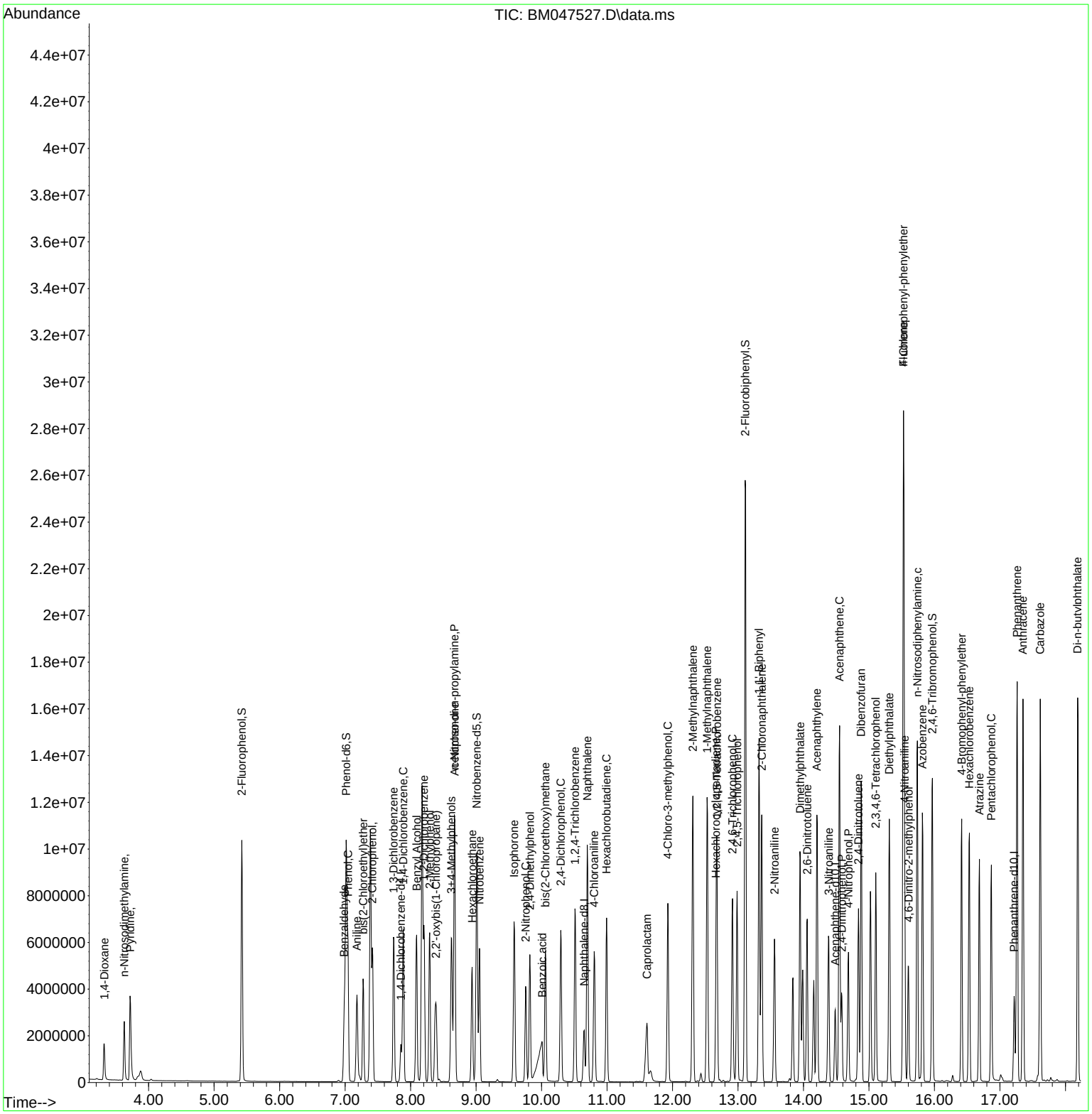
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

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
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Instrument :
BNA_M
ClientSampleId :
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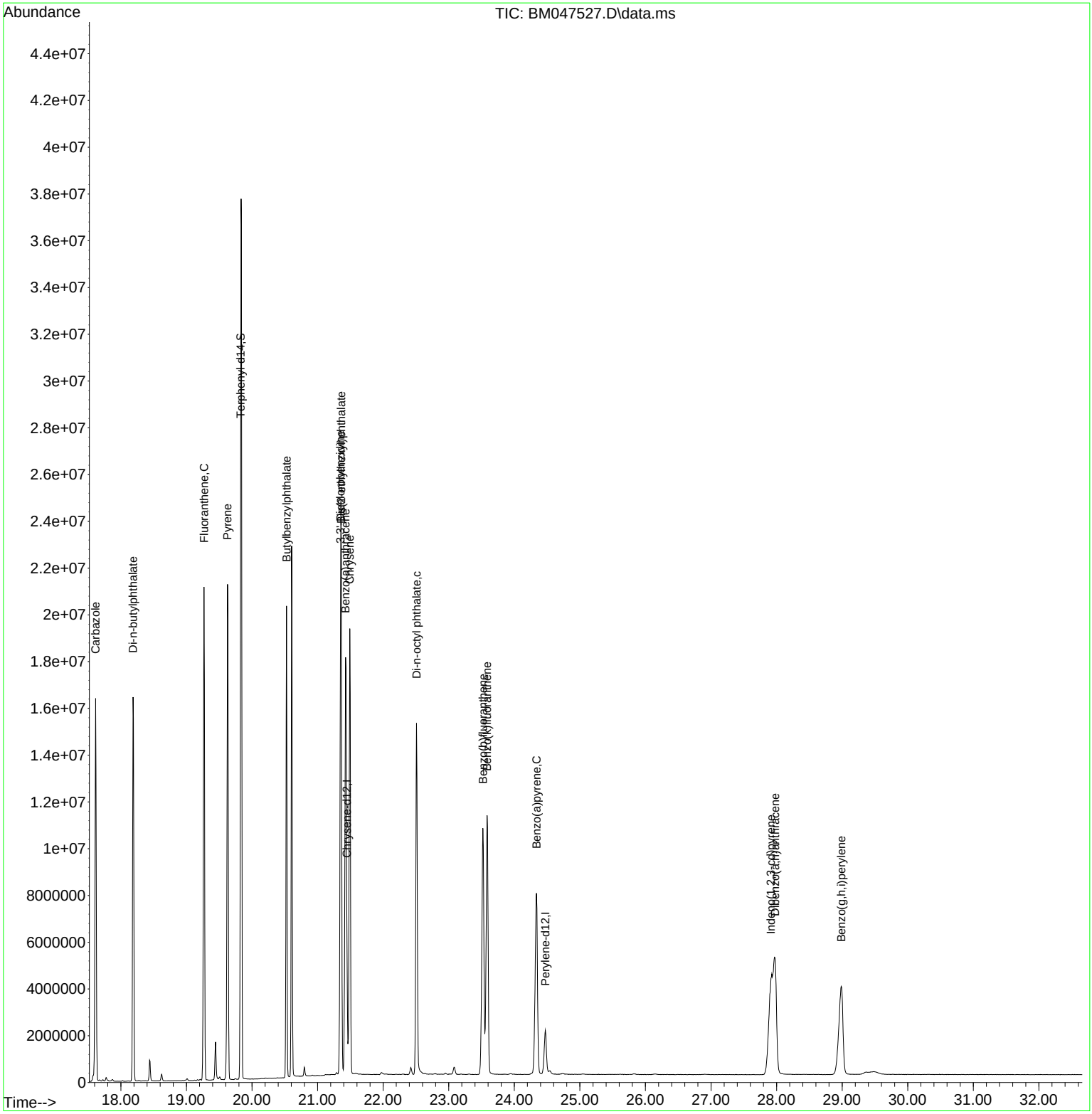
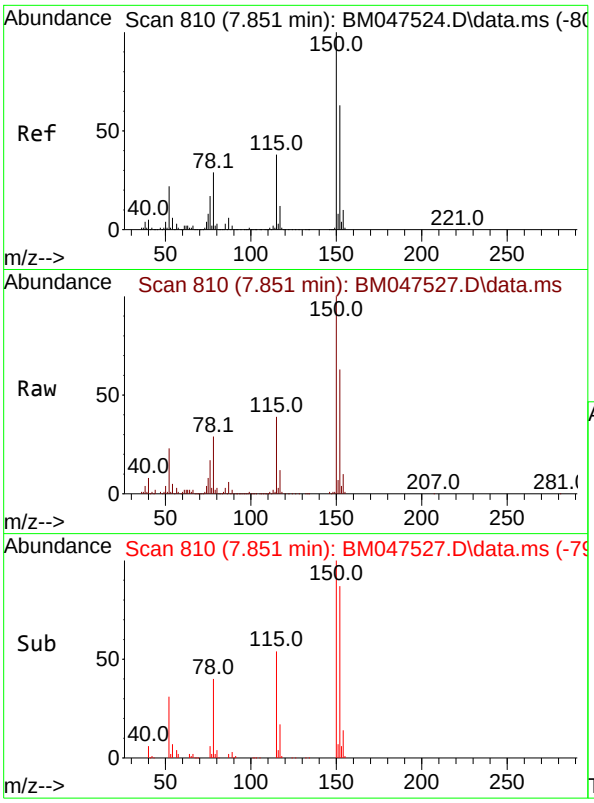
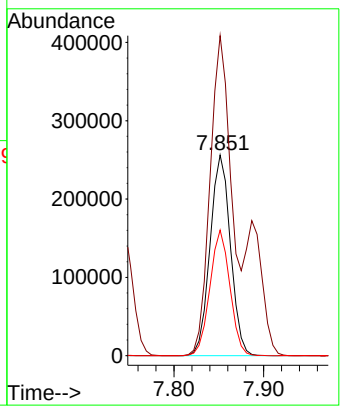




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
SSTDICC080

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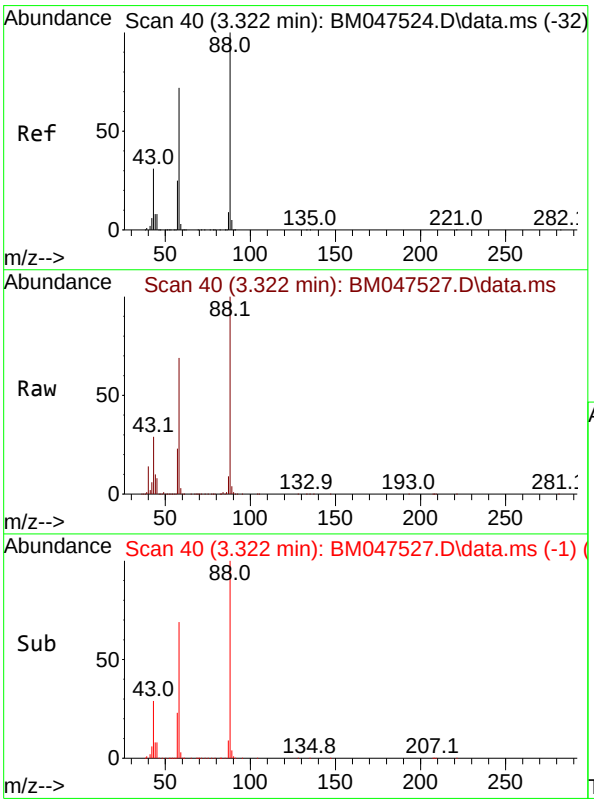
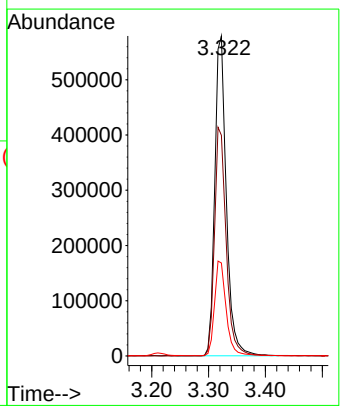
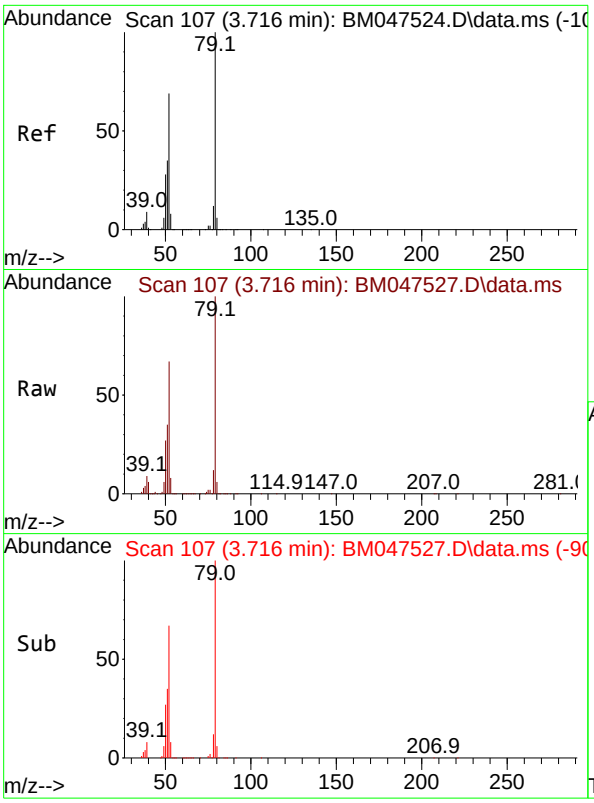


#2
1,4-Dioxane
Concen: 74.756 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

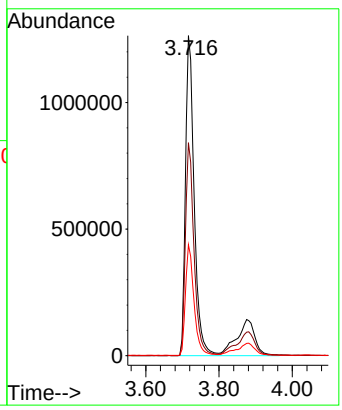




#3
Pyridine
Concen: 79.346 ng m
RT: 3.716 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

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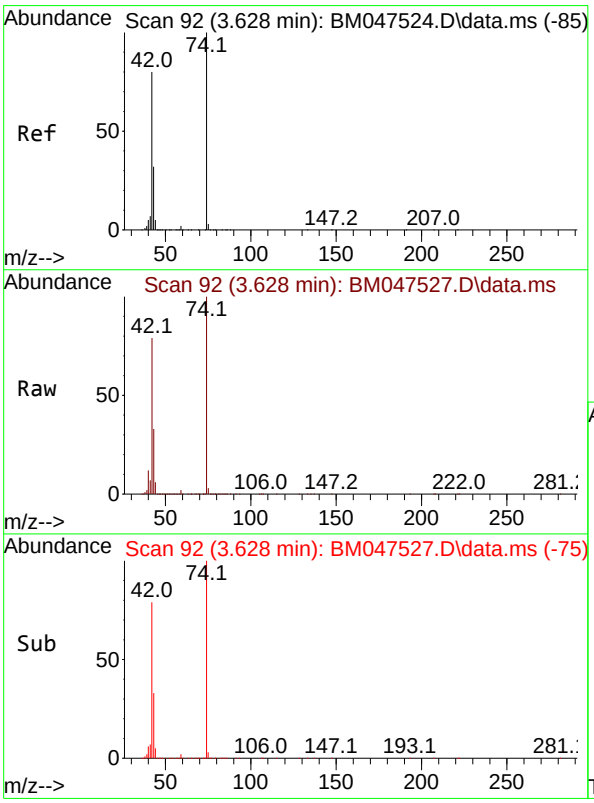
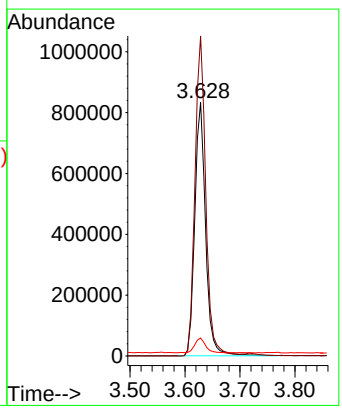
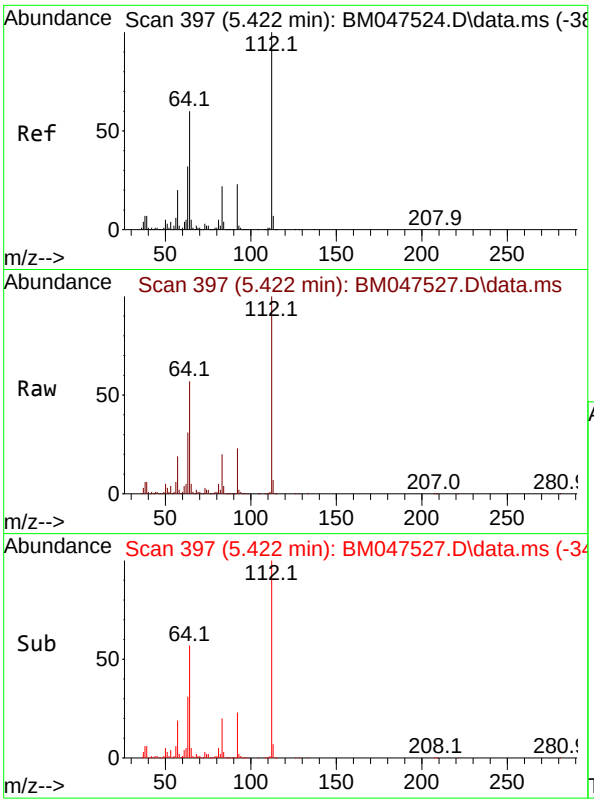


#4
n-Nitrosodimethylamine
Concen: 77.774 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

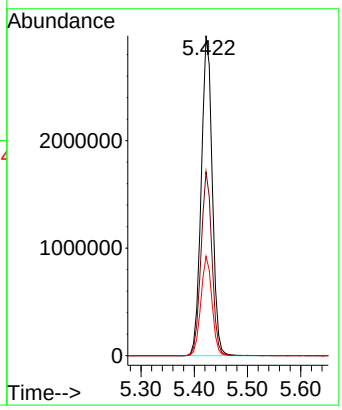




#5
2-Fluorophenol
Concen: 168.242 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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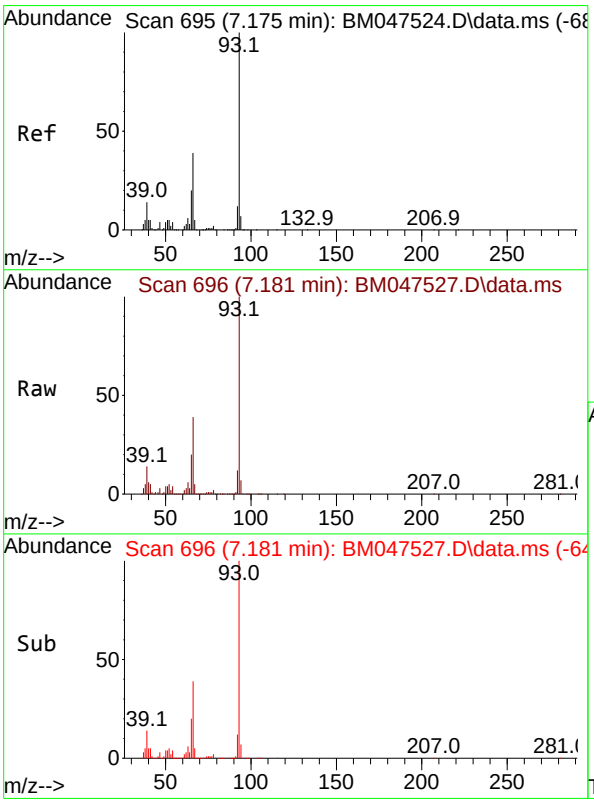
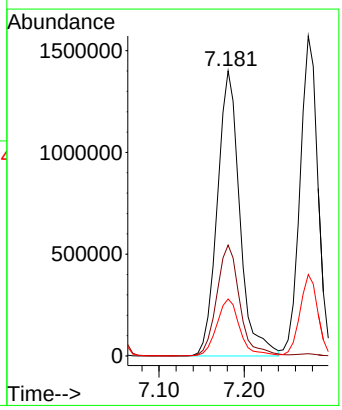
Supervised By :mohammad ahmed 09/17/2024

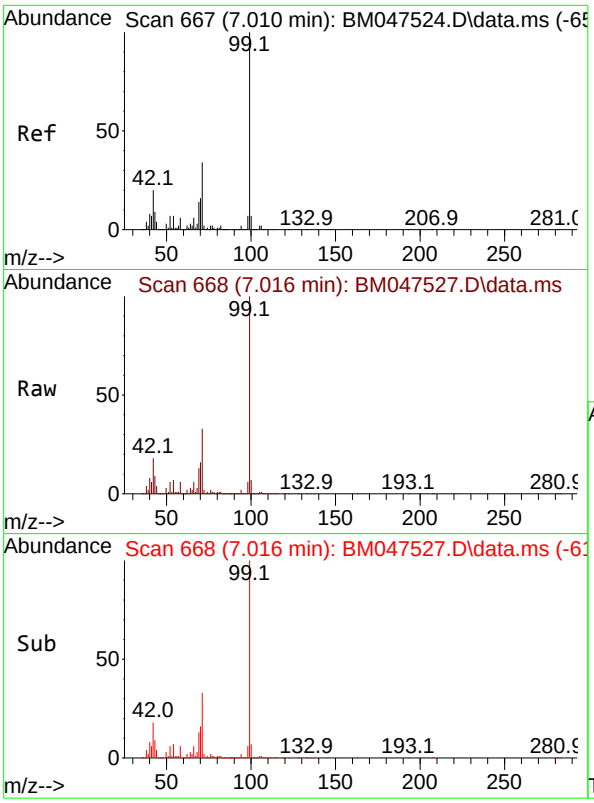


#6
Aniline
Concen: 80.988 ng
RT: 7.181 min Scan# 696
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

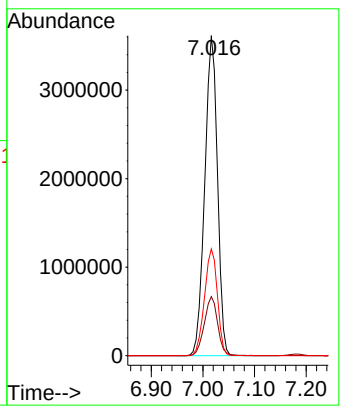




#7
Phenol-d6
Concen: 172.327 ng
RT: 7.016 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

Manual Integrations
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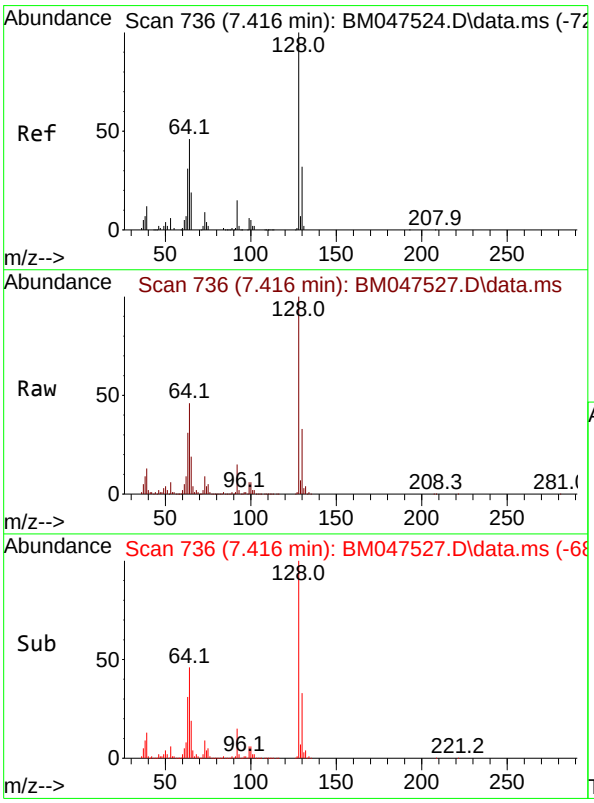
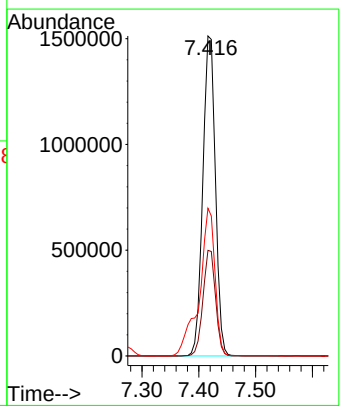
Supervised By :mohammad ahmed 09/17/2024

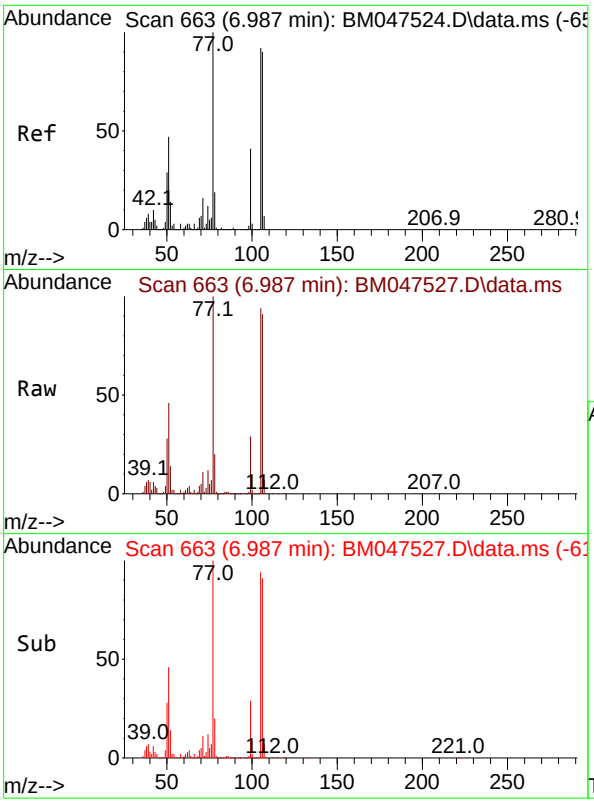


#8
2-Chlorophenol
Concen: 83.052 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

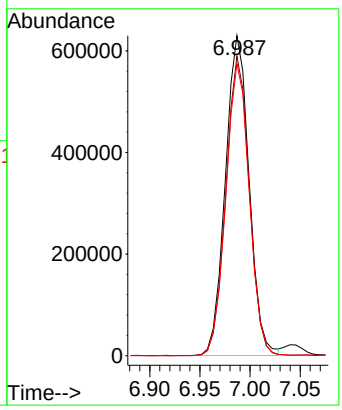




#9
Benzaldehyde
Concen: 61.060 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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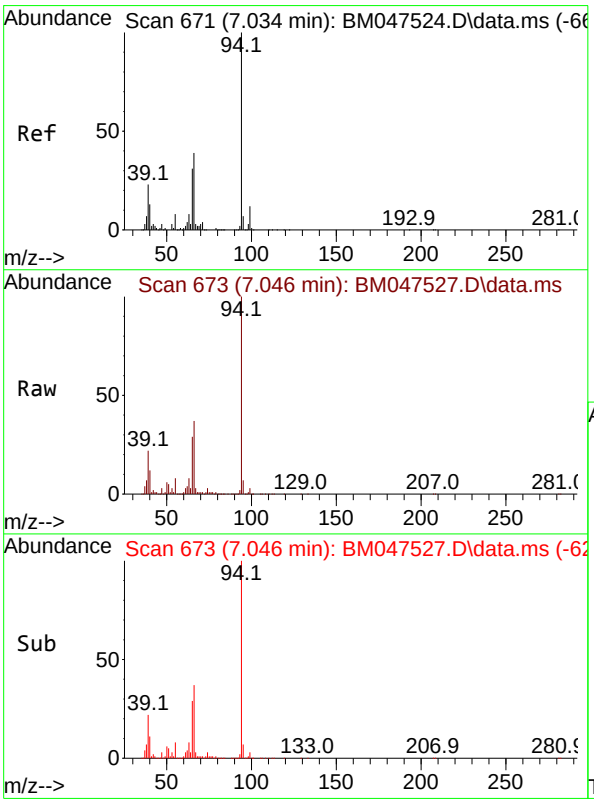
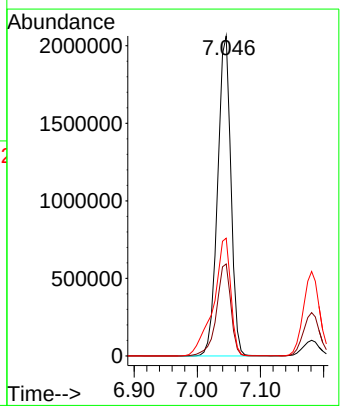
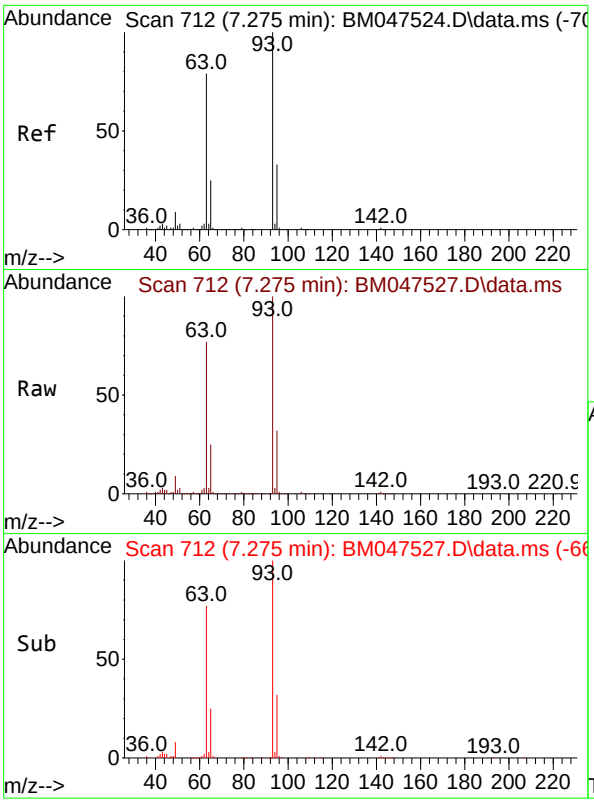


#10
Phenol
Concen: 84.009 ng
RT: 7.046 min Scan# 673
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

Manual Integrations
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Reviewed By :Yogesh Patel 09/16/2024
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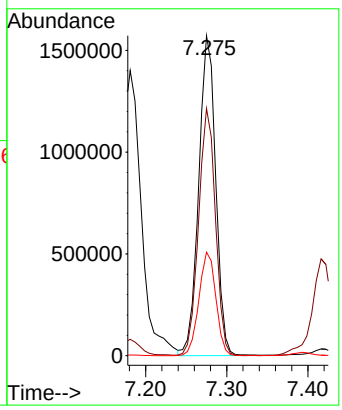
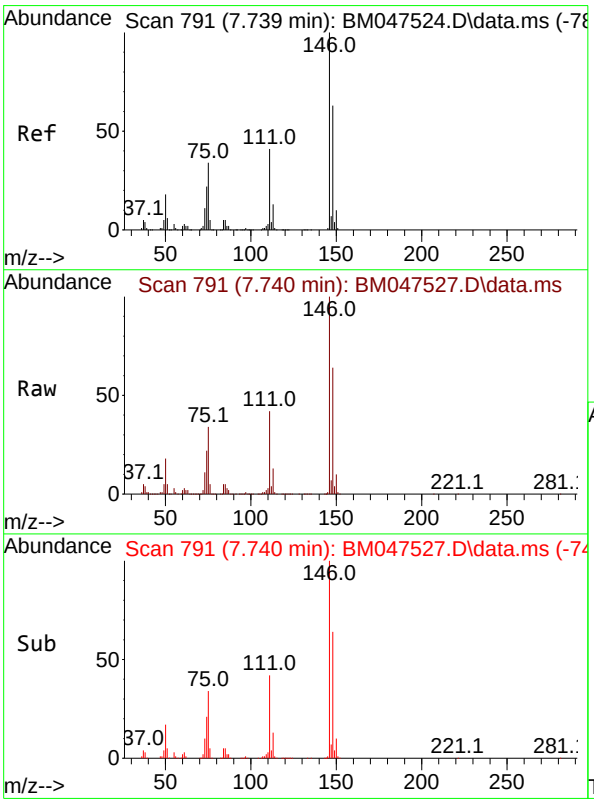
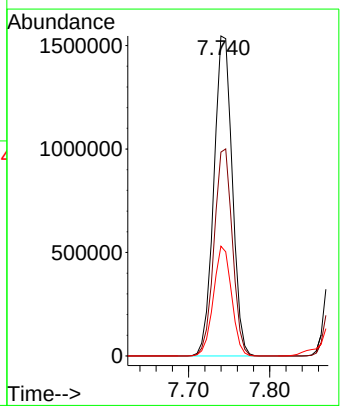


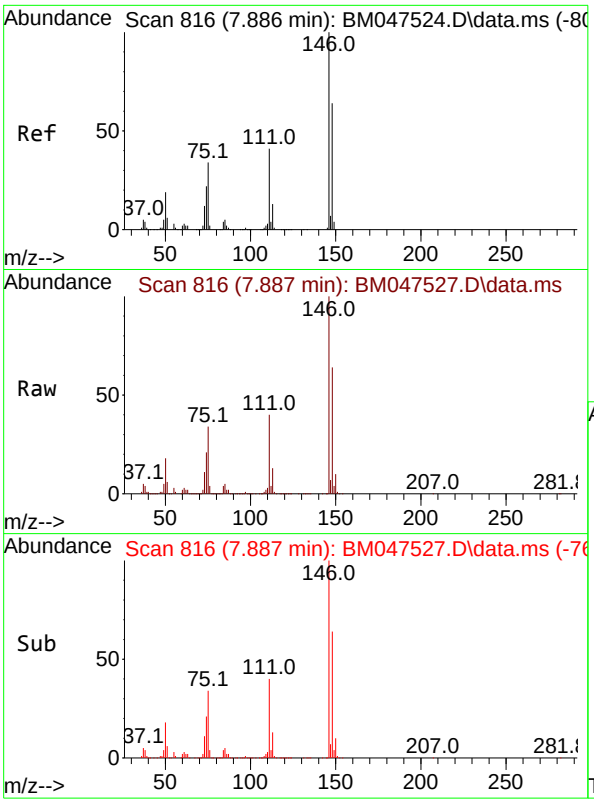


#12
1,3-Dichlorobenzene
Concen: 79.505 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 09/16/2024
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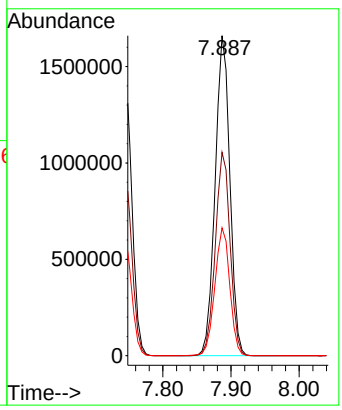
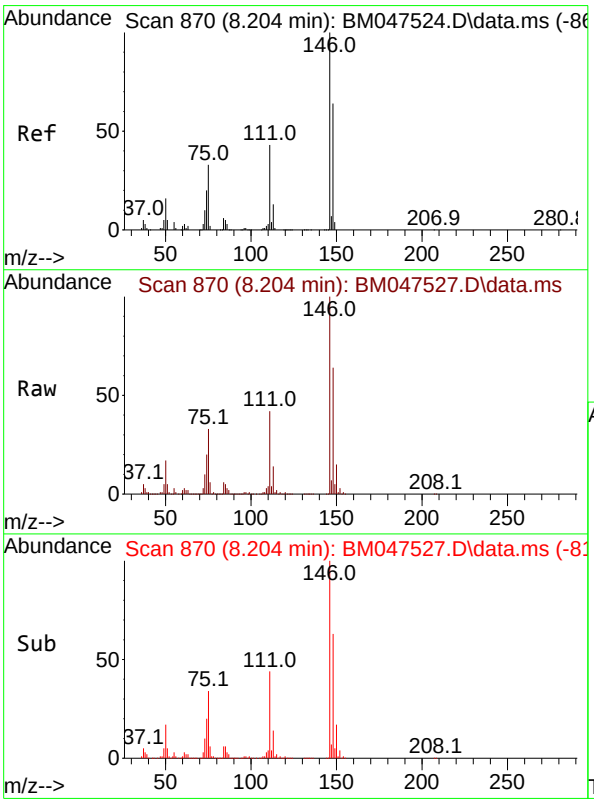
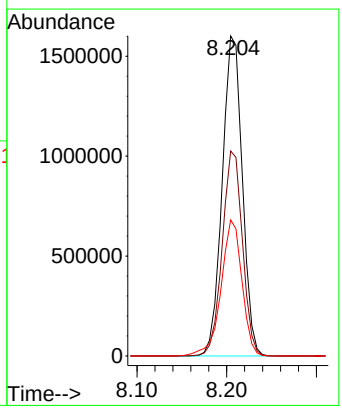


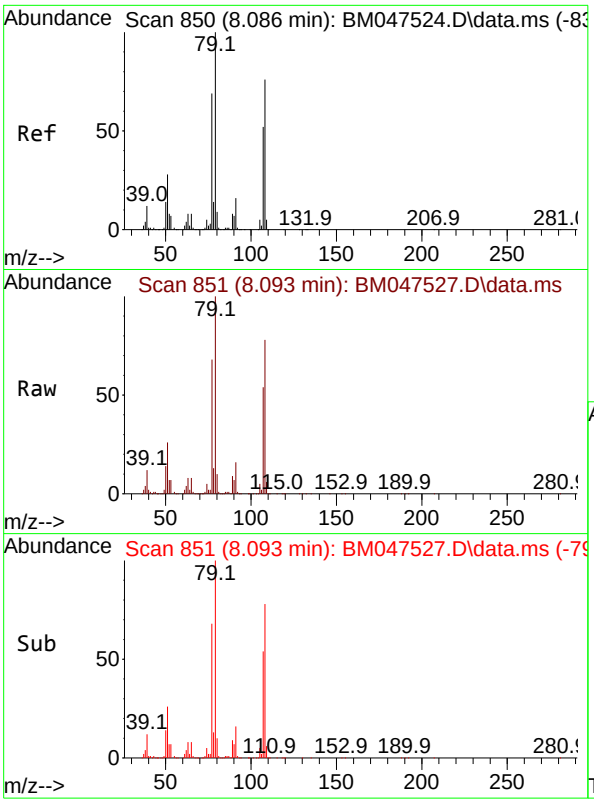


#14
1,2-Dichlorobenzene
Concen: 81.123 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

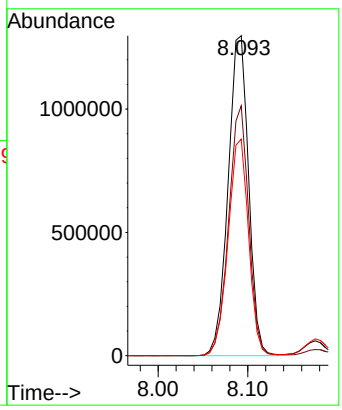




#15
Benzyl Alcohol
Concen: 84.936 ng
RT: 8.093 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
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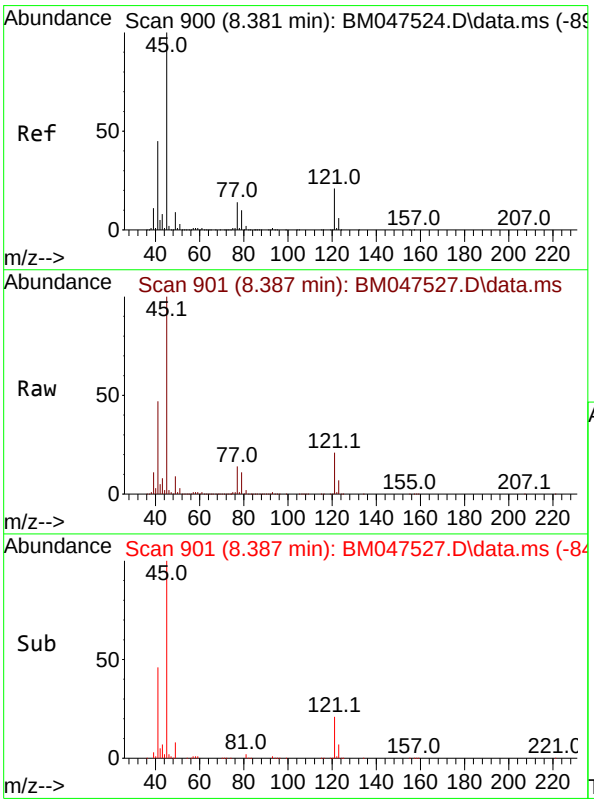
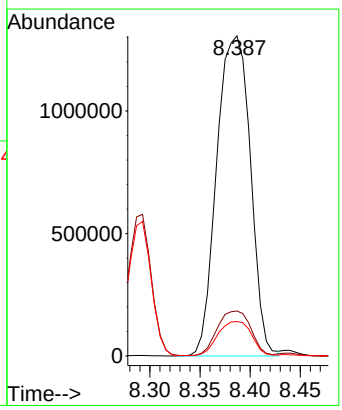
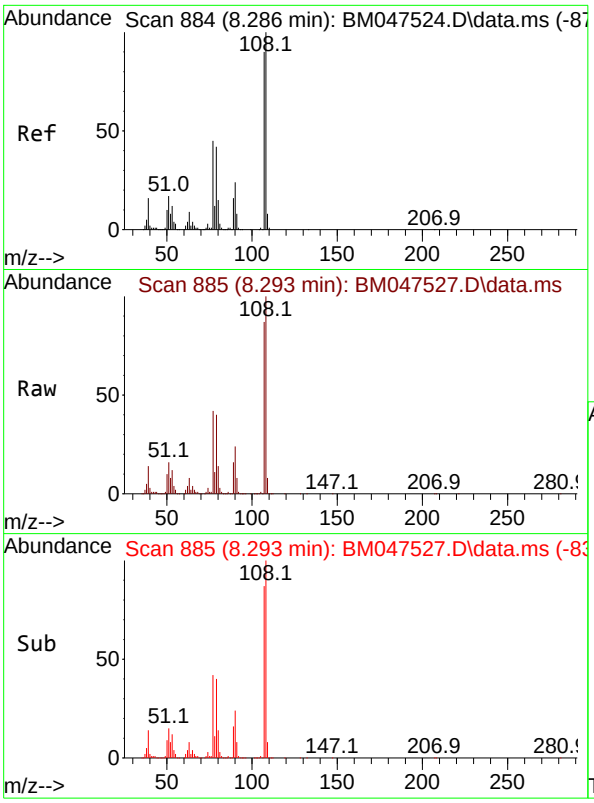


#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.492 ng
RT: 8.387 min Scan# 901
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

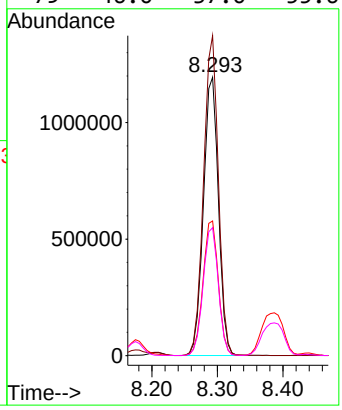




#17
2-Methylphenol
Concen: 83.218 ng
RT: 8.293 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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



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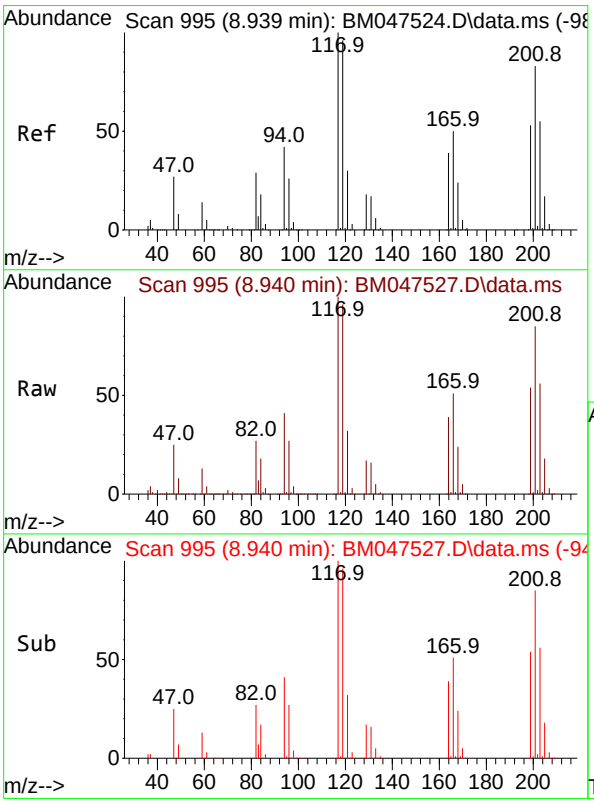
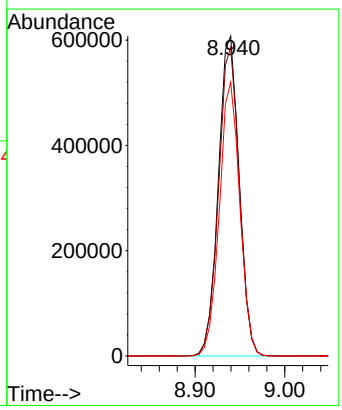
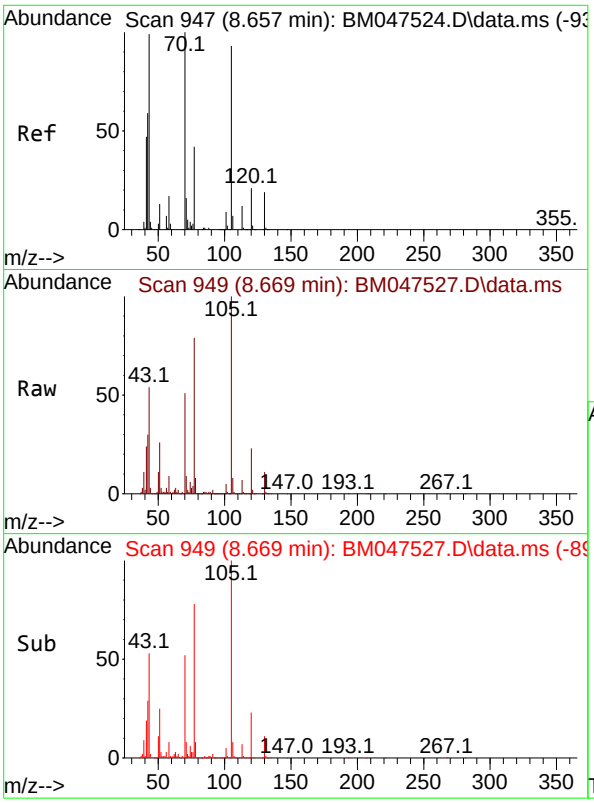


#18
Hexachloroethane
Concen: 78.443 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

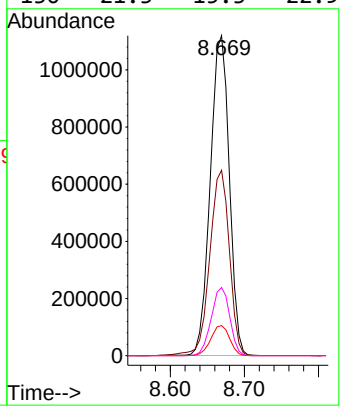




#19
n-Nitroso-di-n-propylamine
Concen: 82.637 ng
RT: 8.669 min Scan# 94
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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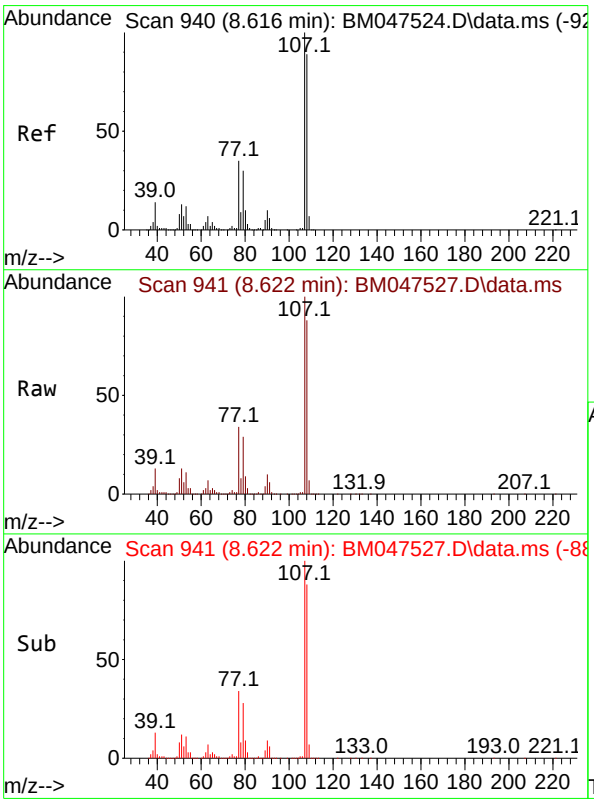
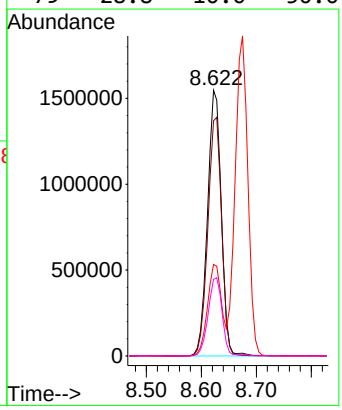
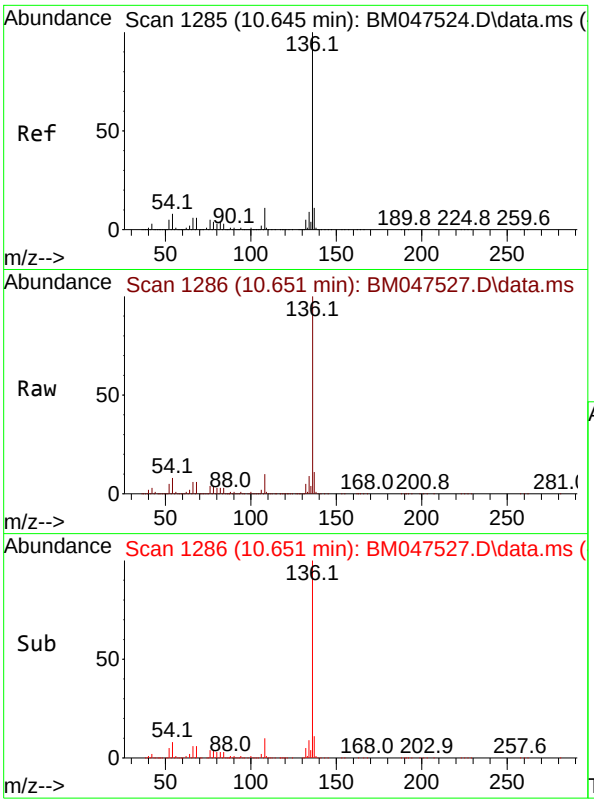


#20
3+4-Methylphenols
Concen: 84.108 ng
RT: 8.622 min Scan# 941
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

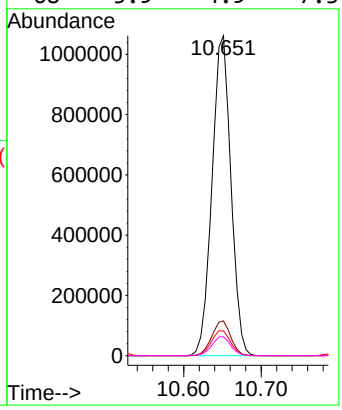




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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



Instrument :
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ClientSampleId :
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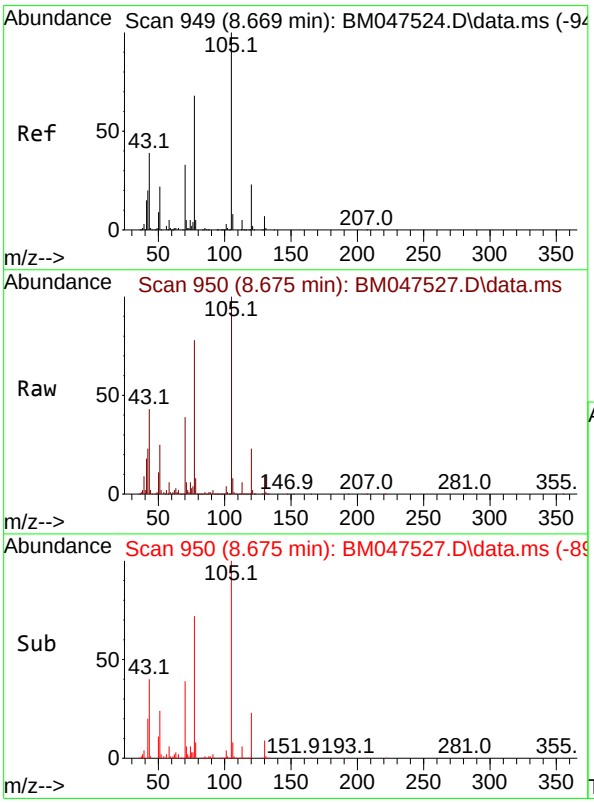
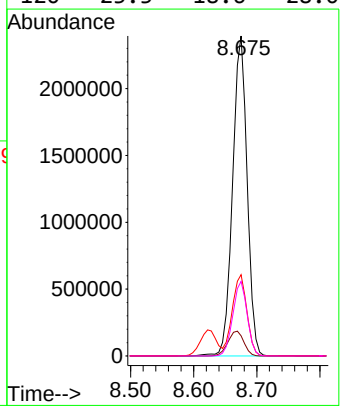
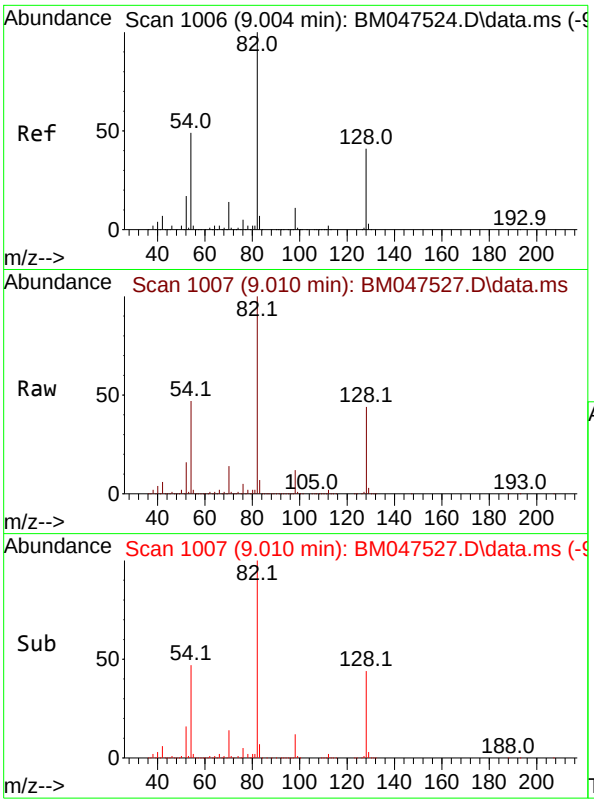


#22
Acetophenone
Concen: 80.956 ng
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
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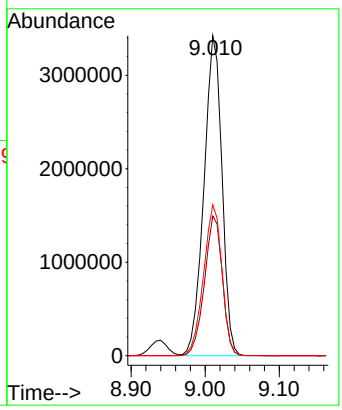
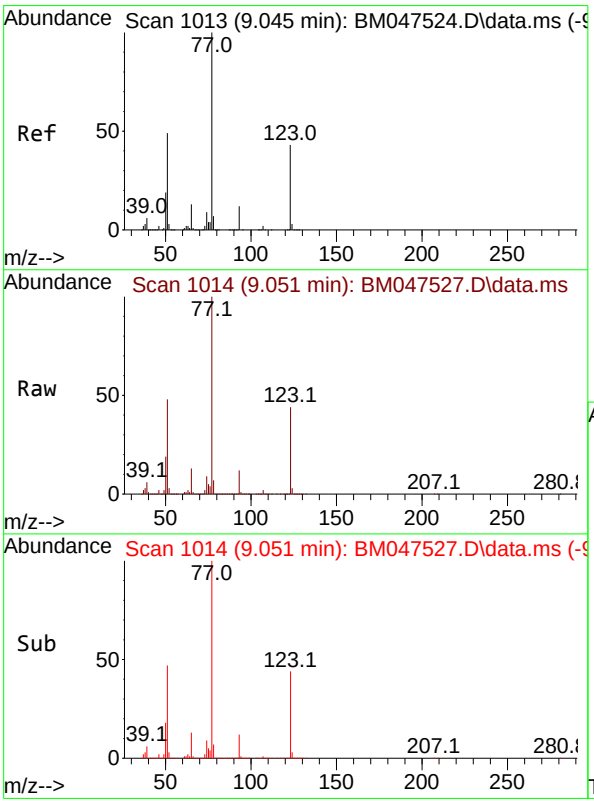
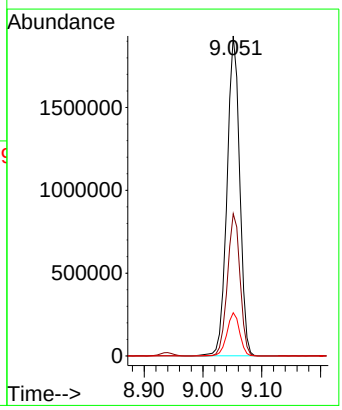


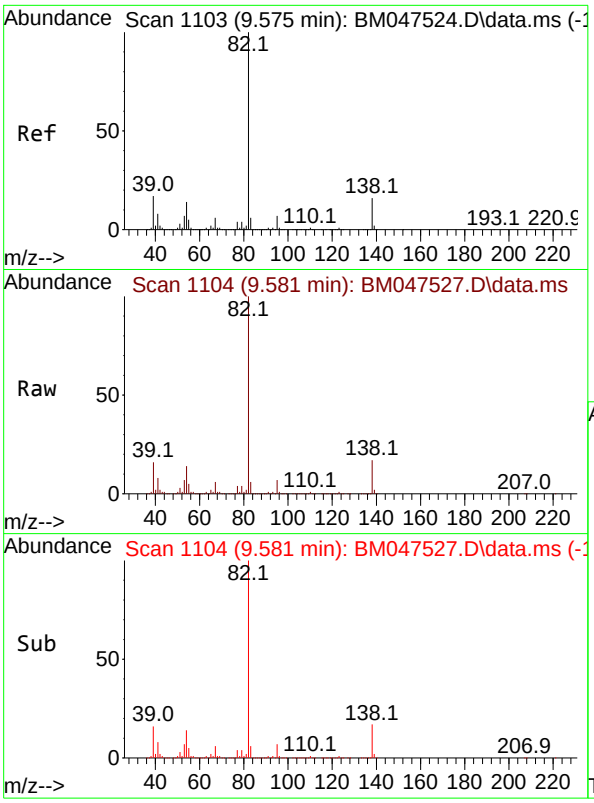


#24
Nitrobenzene
Concen: 78.400 ng
RT: 9.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

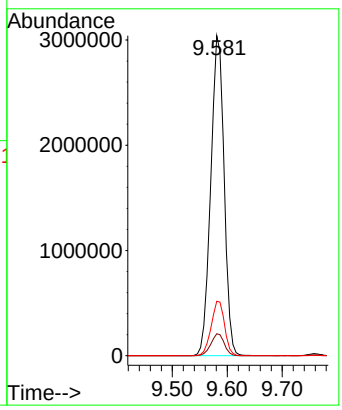




#25
Isophorone
Concen: 81.564 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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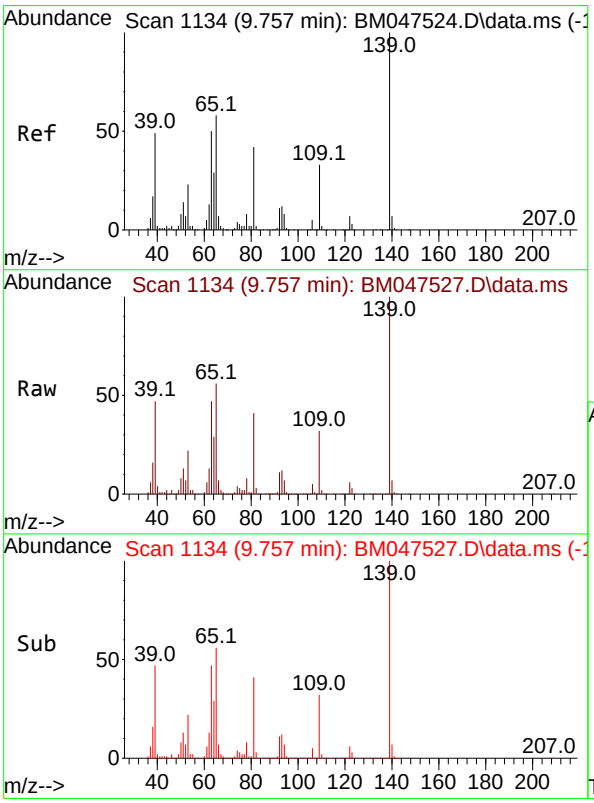
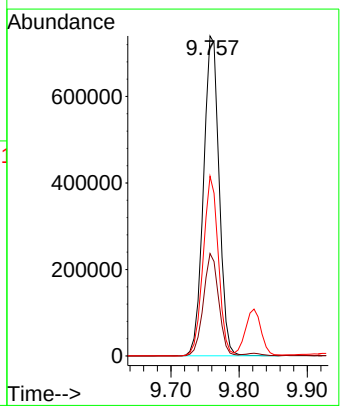
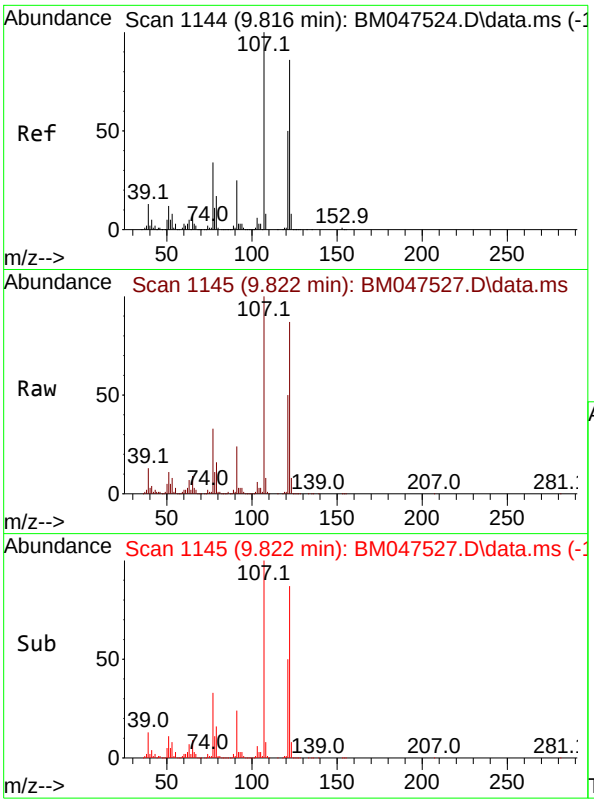


#26
2-Nitrophenol
Concen: 93.728 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

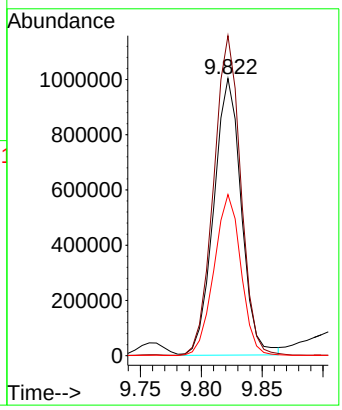




#27
2,4-Dimethylphenol
Concen: 82.915 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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ClientSampleId :
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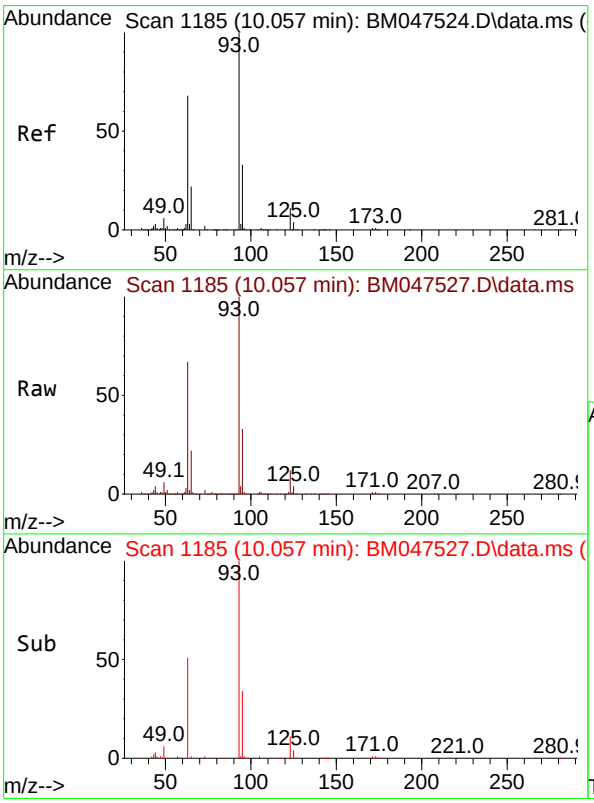
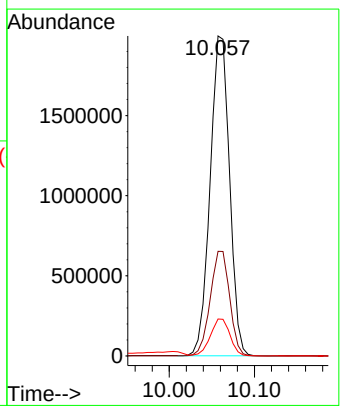
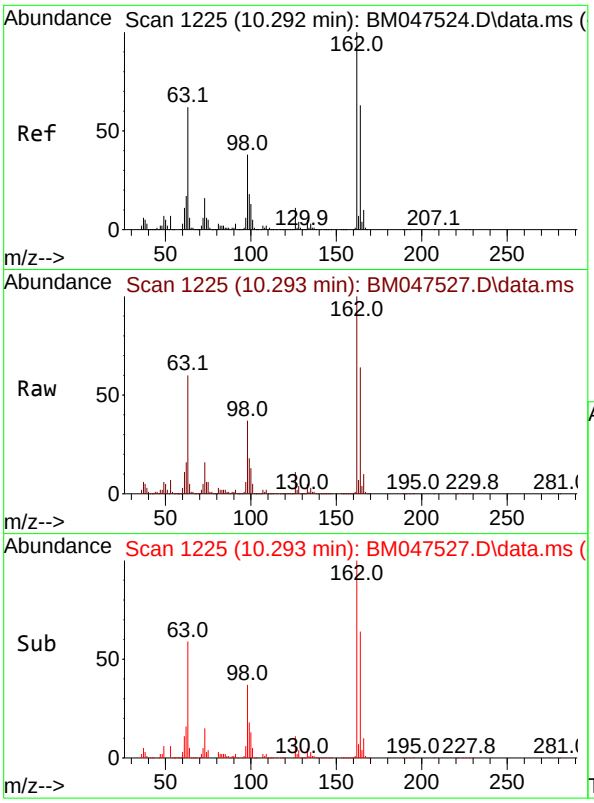


#28
bis(2-Chloroethoxy)methane
Concen: 79.689 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

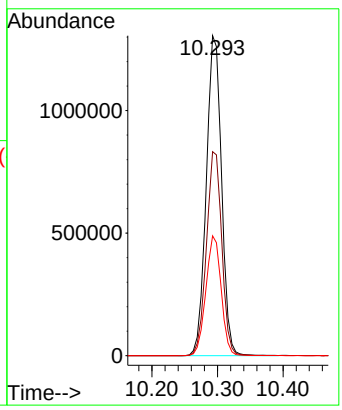




#29
2,4-Dichlorophenol
Concen: 87.588 ng
RT: 10.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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ClientSampleId :
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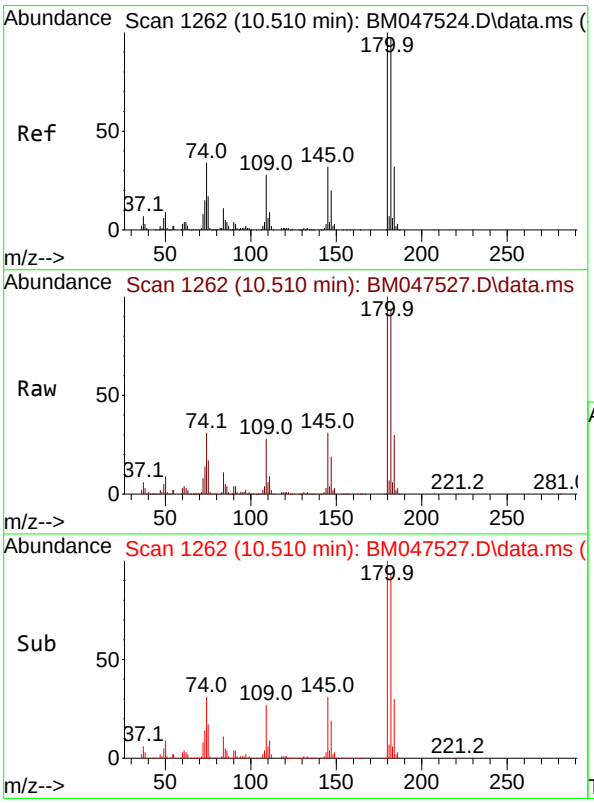
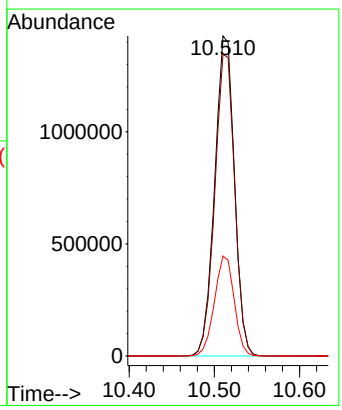
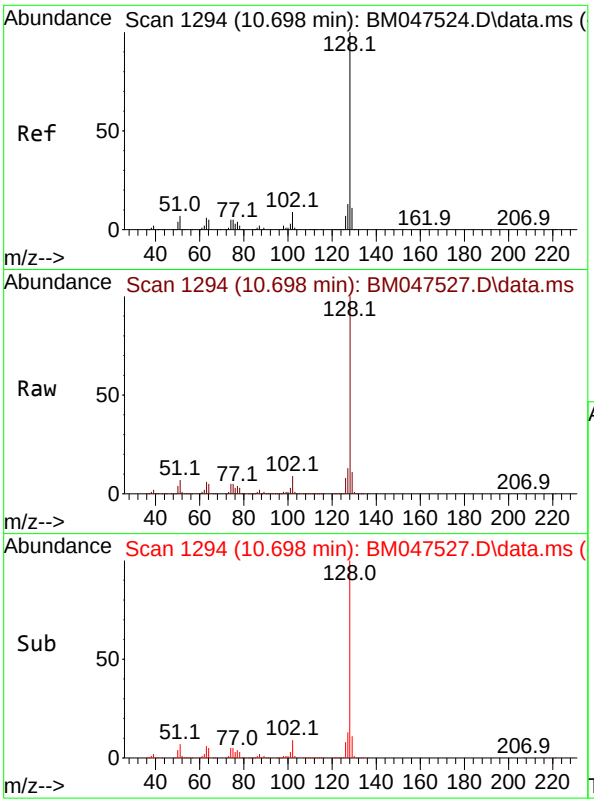


#30
1,2,4-Trichlorobenzene
Concen: 82.914 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

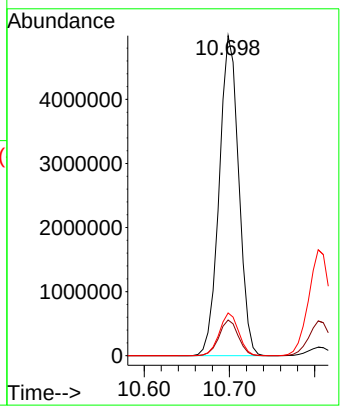




#31
Naphthalene
Concen: 81.739 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
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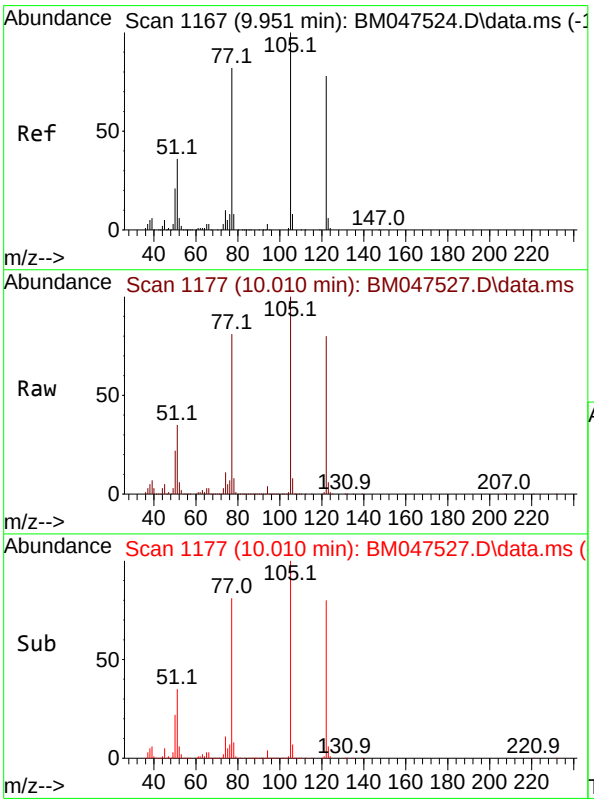
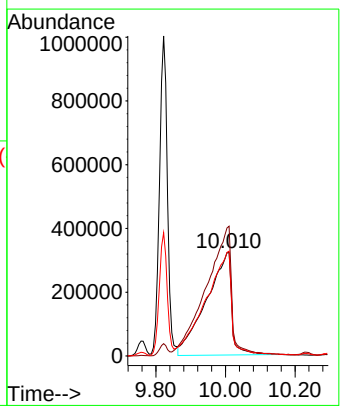
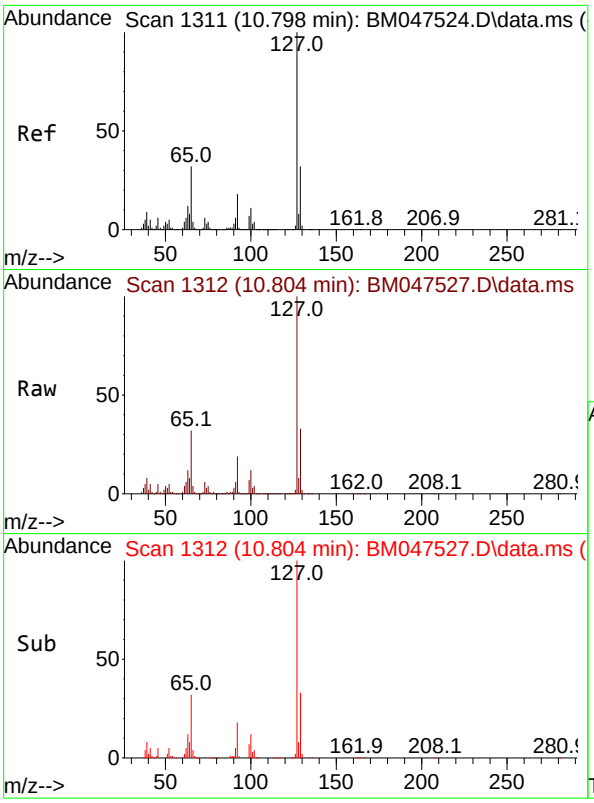


#32
Benzoic acid
Concen: 81.568 ng
RT: 10.010 min Scan# 1177
Delta R.T. 0.059 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

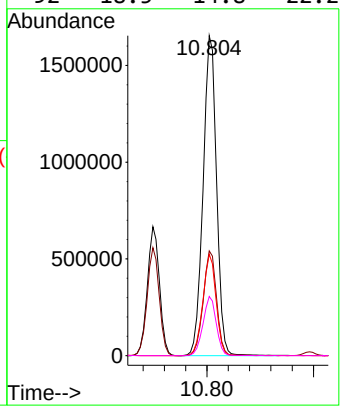




#33
4-Chloroaniline
Concen: 82.527 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
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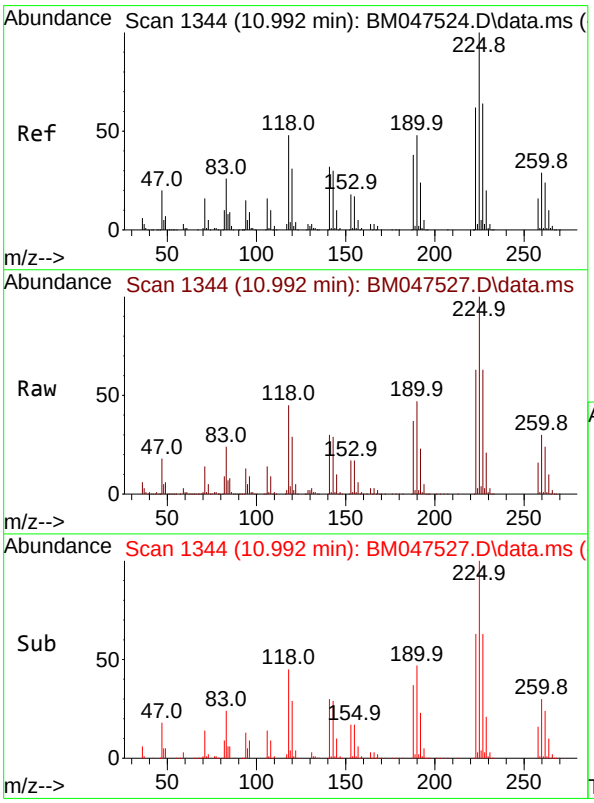
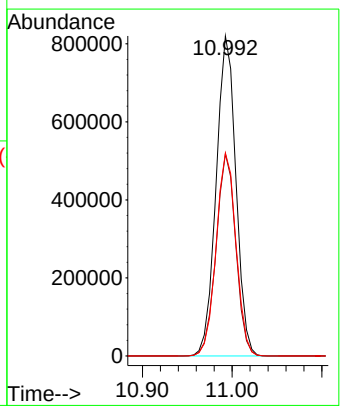
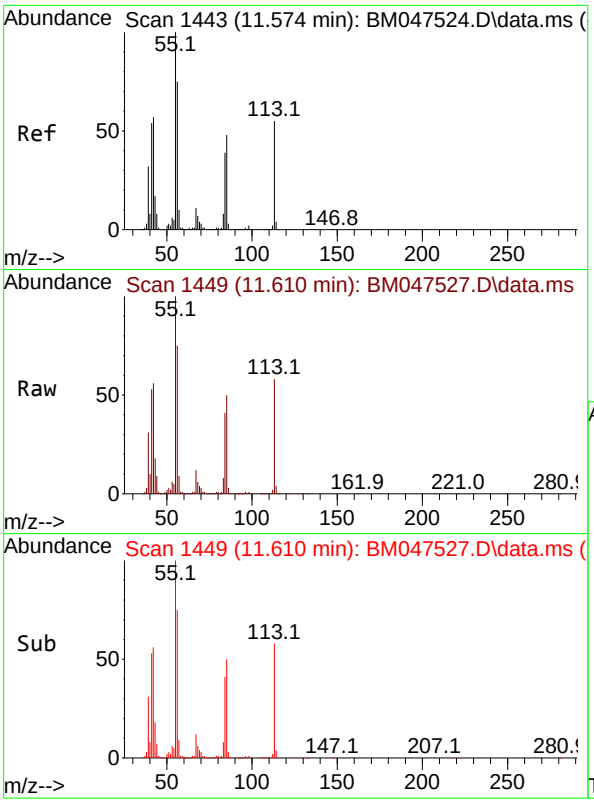


#34
Hexachlorobutadiene
Concen: 81.599 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
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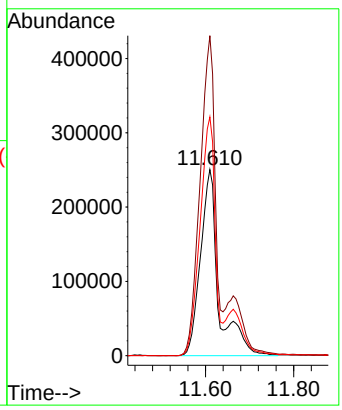
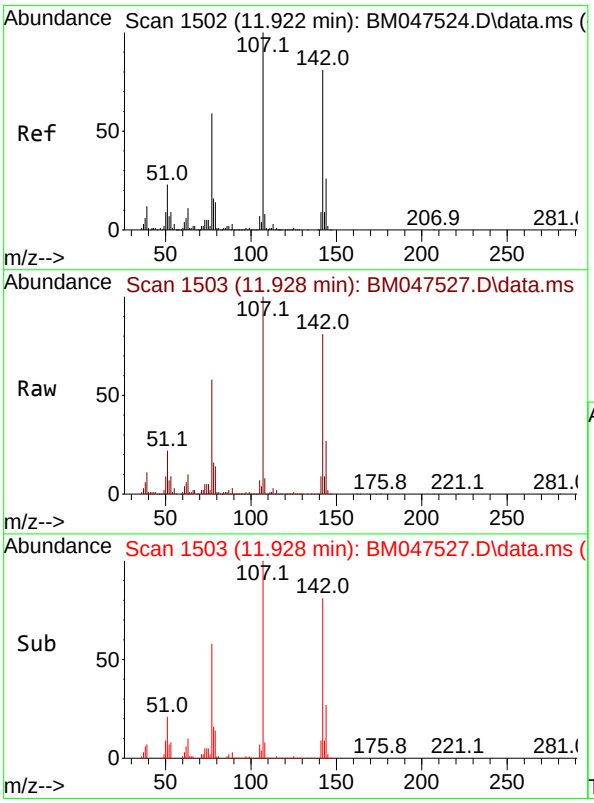
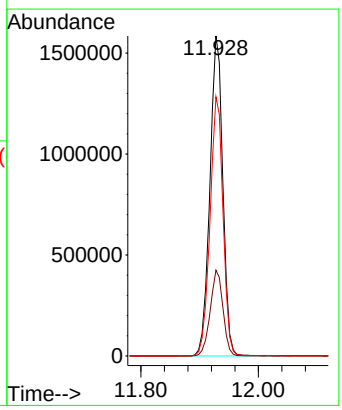


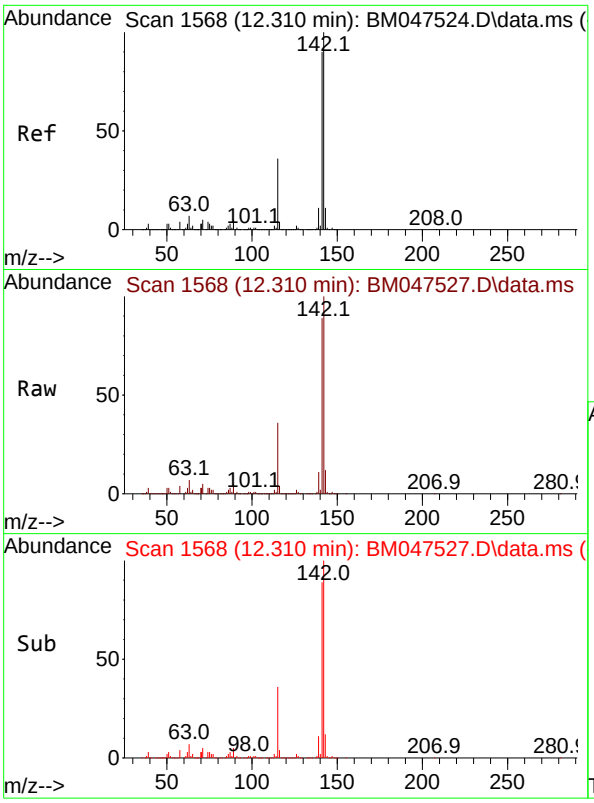


#36
4-Chloro-3-methylphenol
Concen: 87.301 ng
RT: 11.928 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

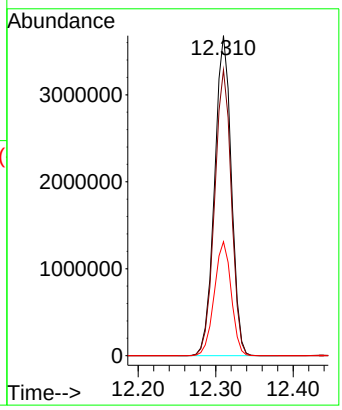




#37
2-Methylnaphthalene
Concen: 85.681 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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ClientSampleId :
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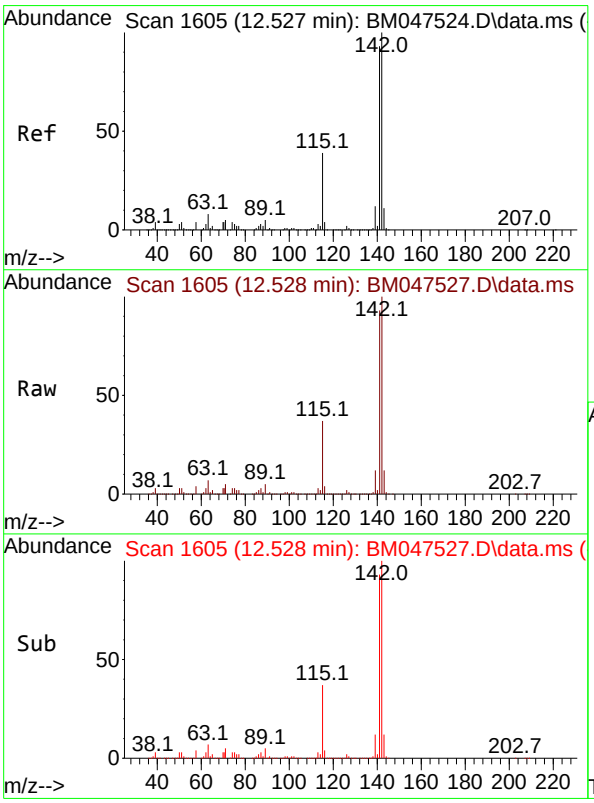
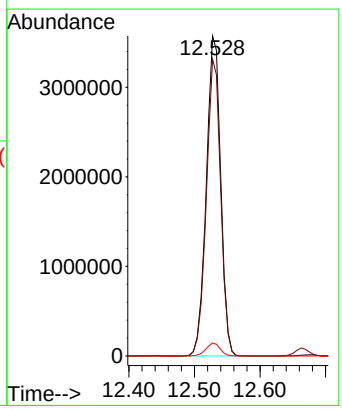
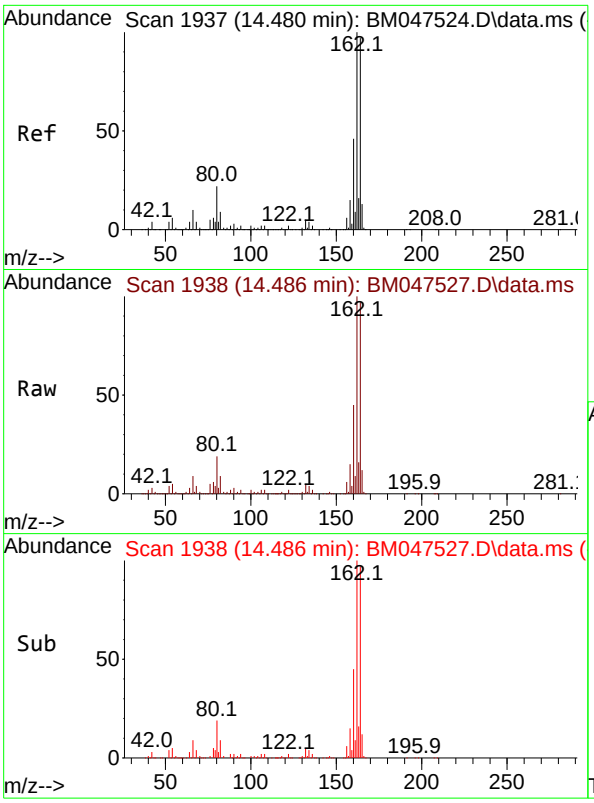


#38
1-Methylnaphthalene
Concen: 85.045 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

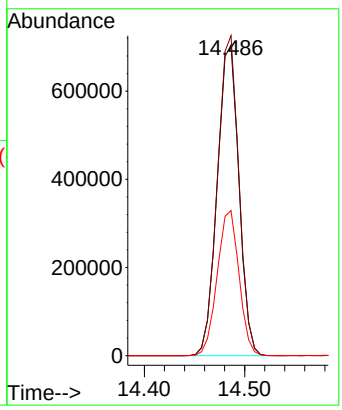




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
SSTDICC080

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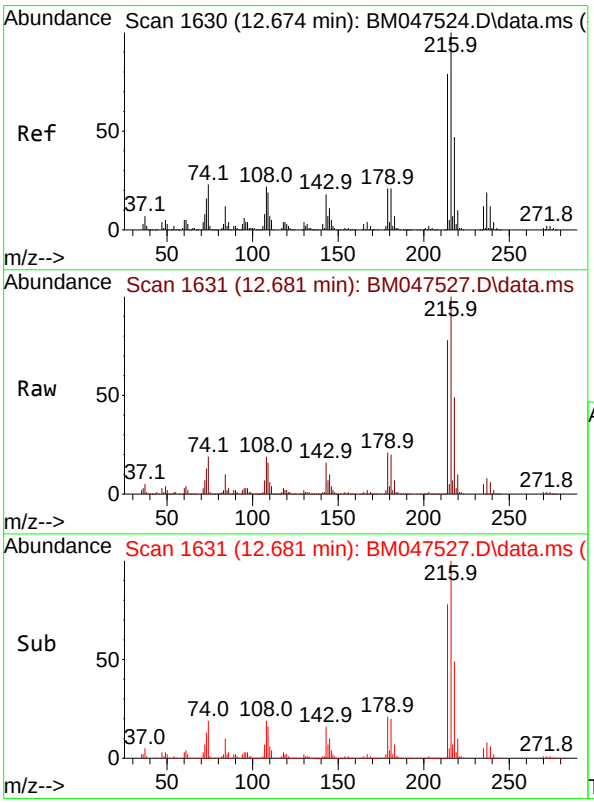
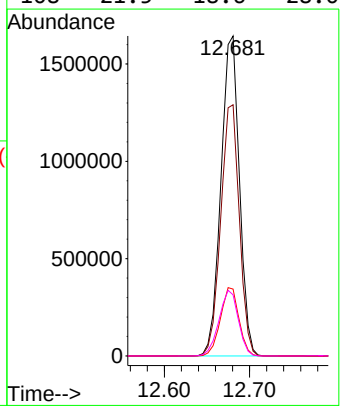
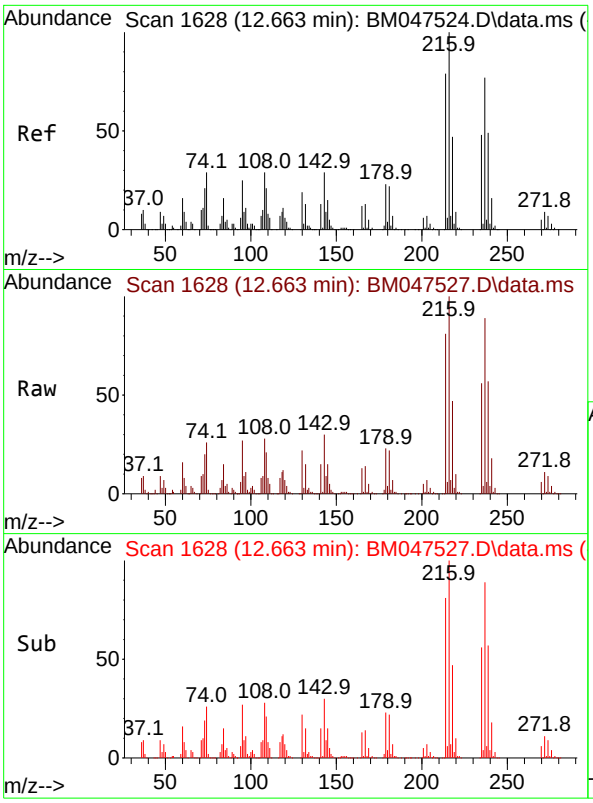


#40
1,2,4,5-Tetrachlorobenzene
Concen: 86.585 ng
RT: 12.681 min Scan# 1631
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

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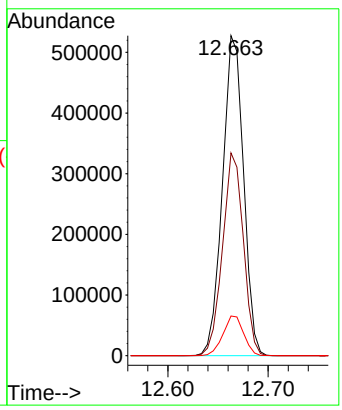
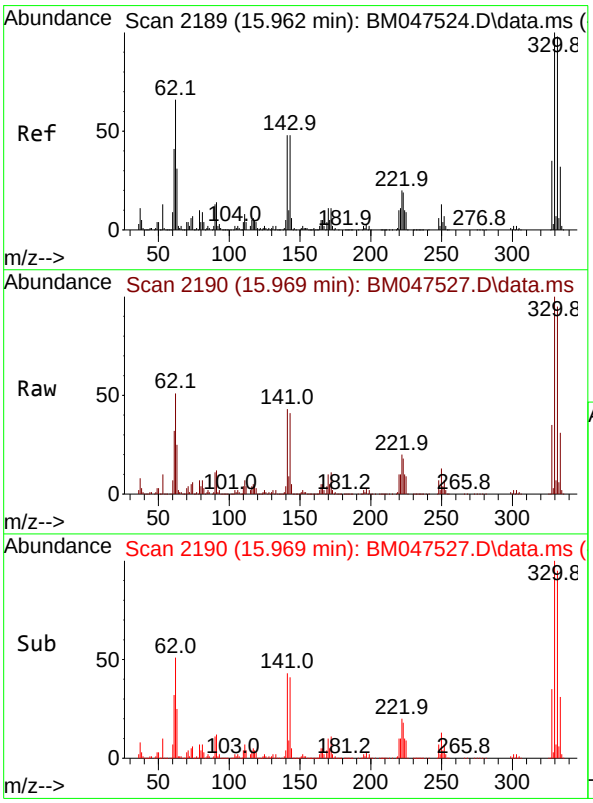
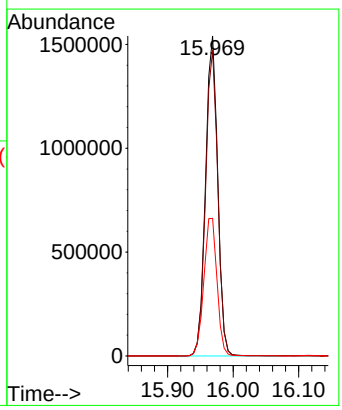


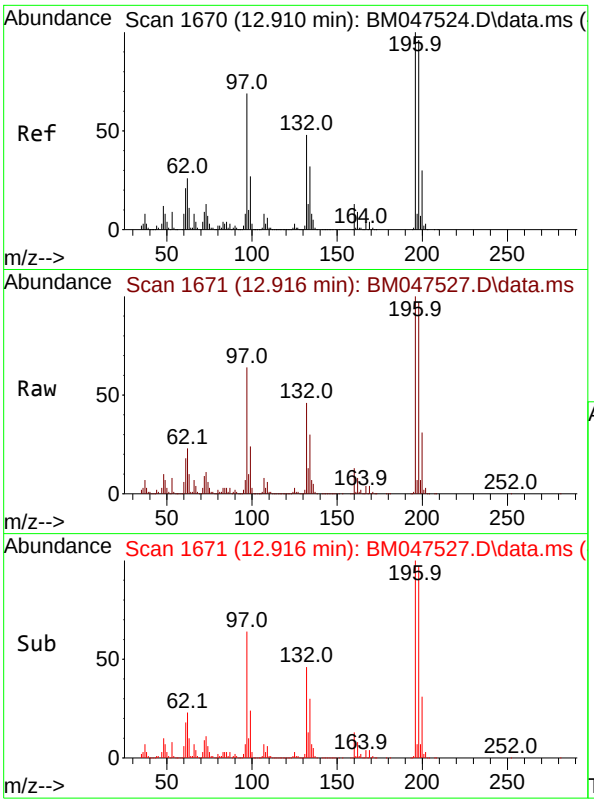


#42
2,4,6-Tribromophenol
Concen: 195.553 ng
RT: 15.969 min Scan# 2190
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
SSTDICC080

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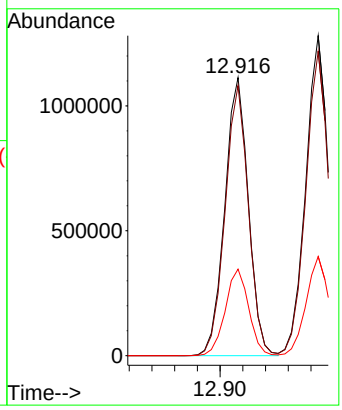
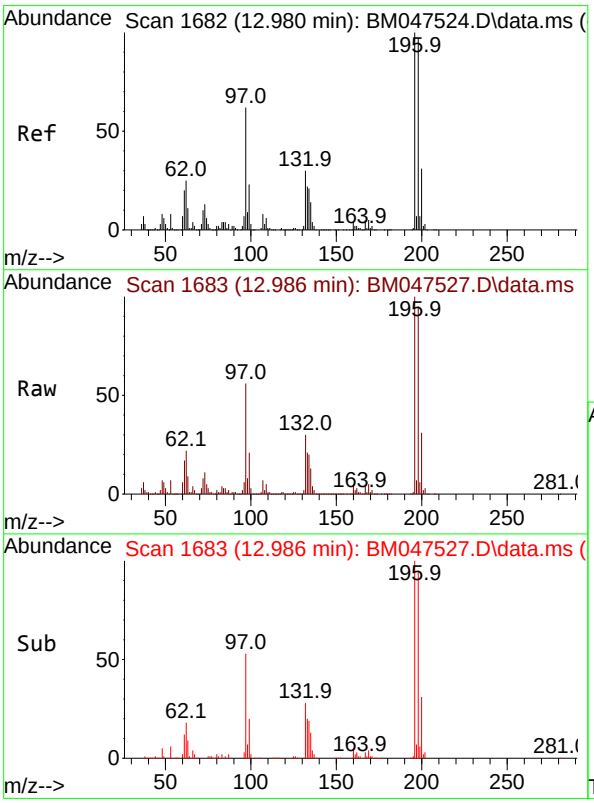
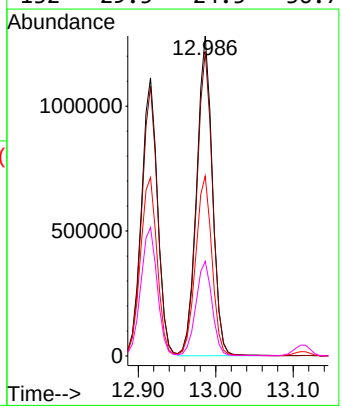


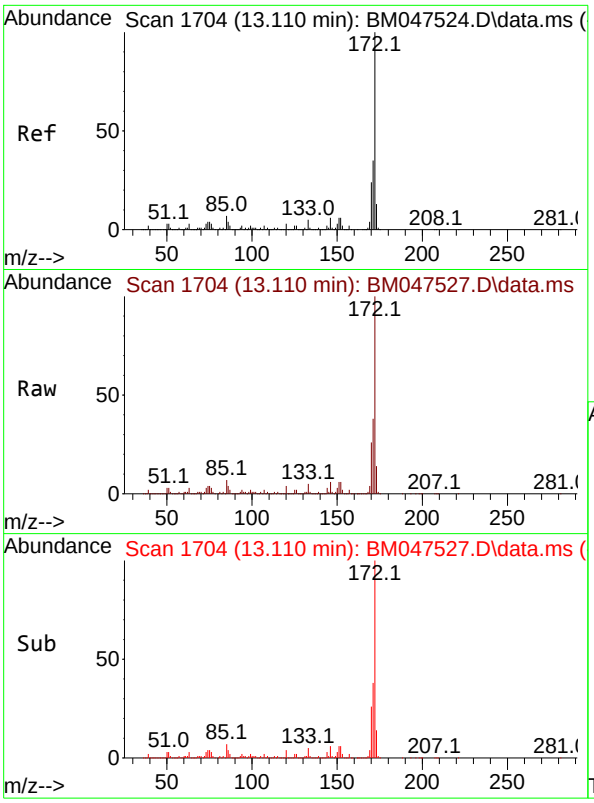


#44
2,4,5-Trichlorophenol
Concen: 89.254 ng
RT: 12.986 min Scan# 1683
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

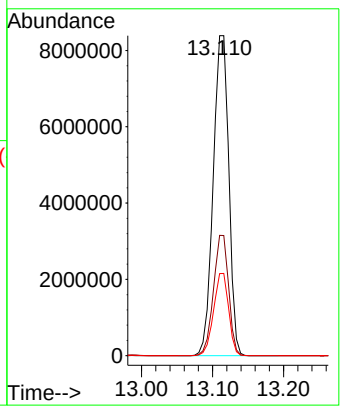




#45
2-Fluorobiphenyl
Concen: 166.014 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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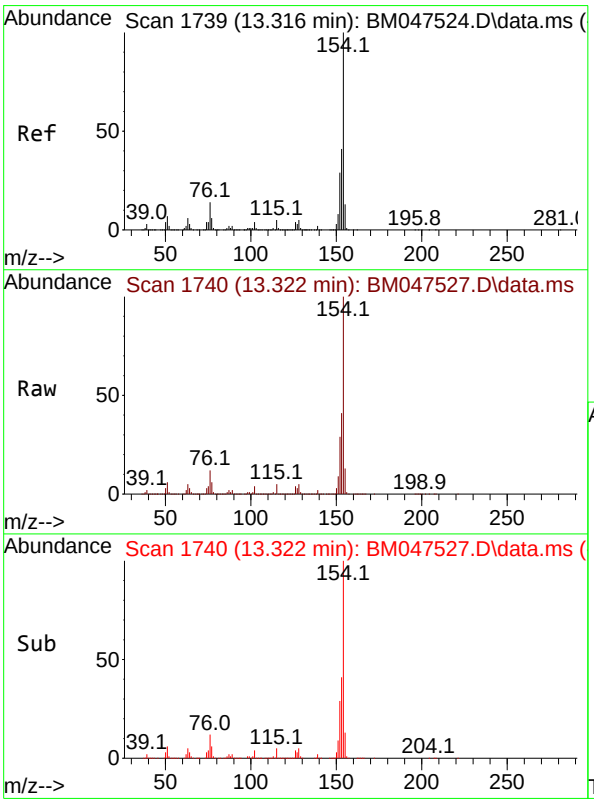
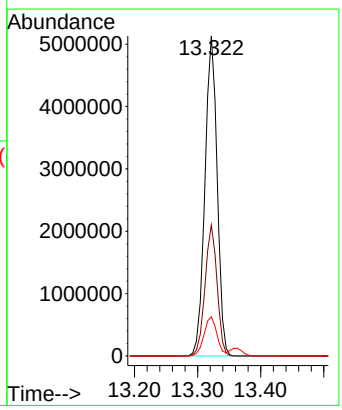
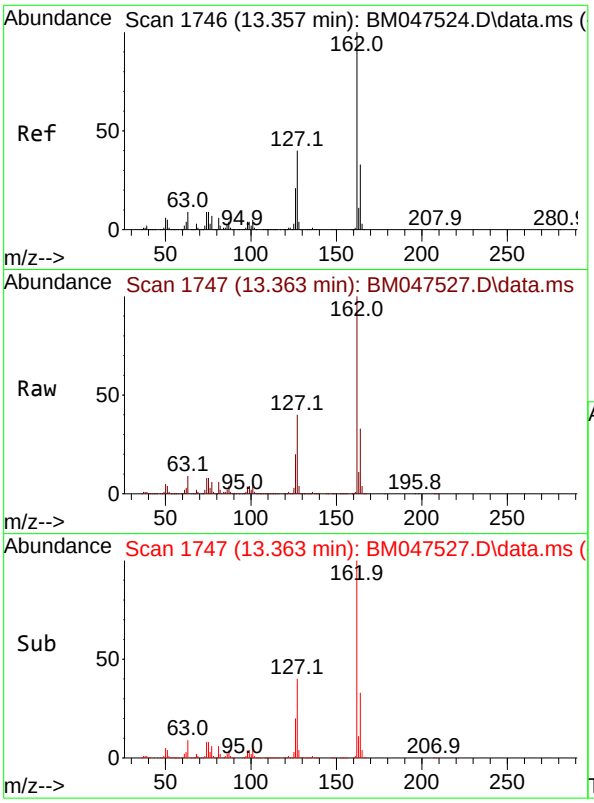


#46
1,1'-Biphenyl
Concen: 83.841 ng
RT: 13.322 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

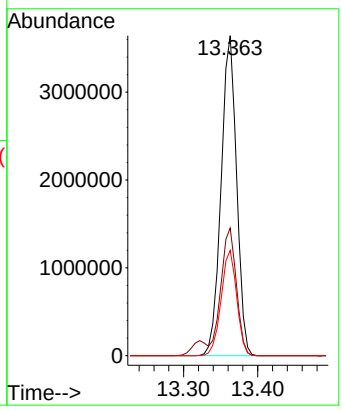




#47
2-Chloronaphthalene
Concen: 82.926 ng
RT: 13.363 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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ClientSampleId :
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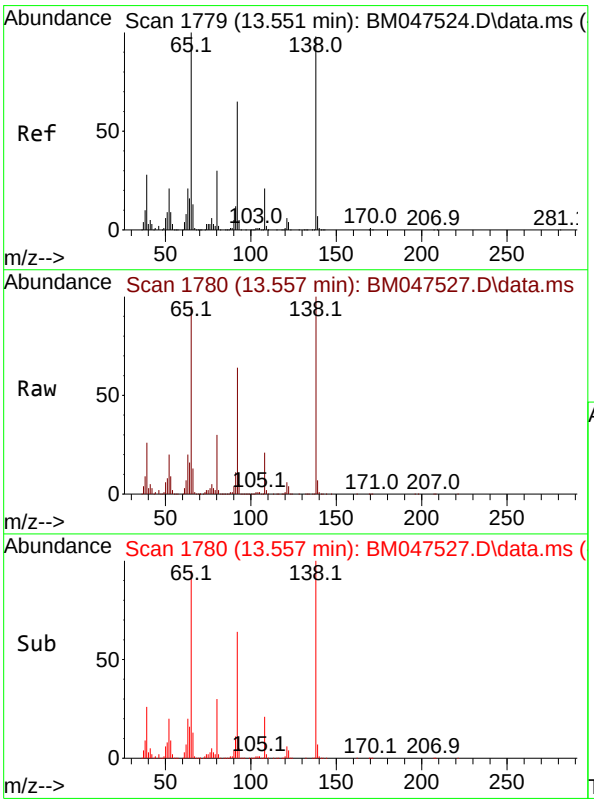
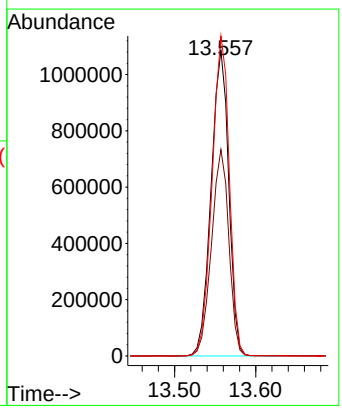
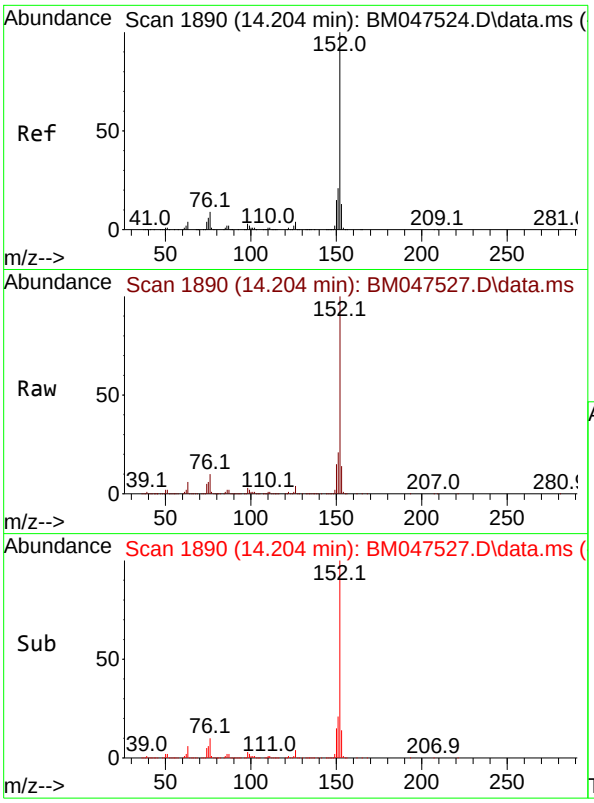


#48
2-Nitroaniline
Concen: 87.177 ng
RT: 13.557 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

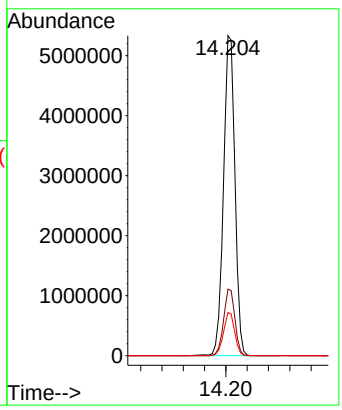




#49
Acenaphthylene
Concen: 85.694 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

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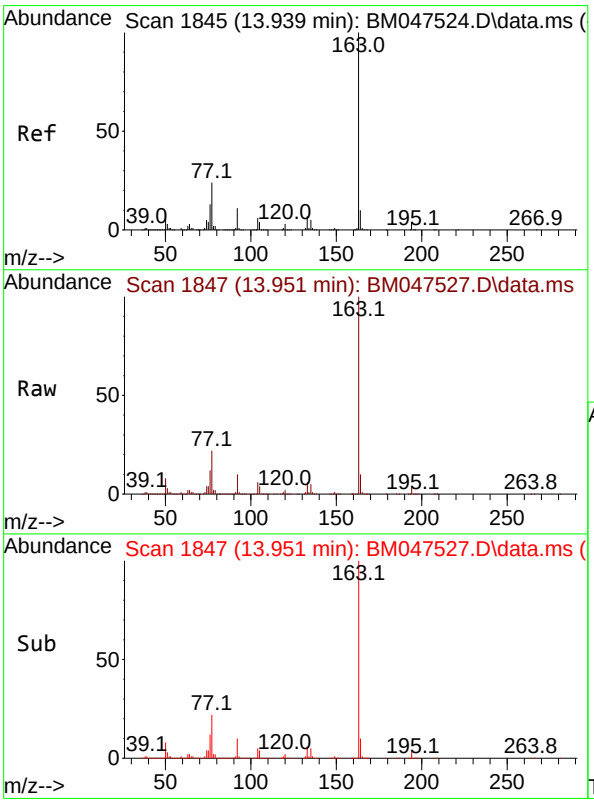
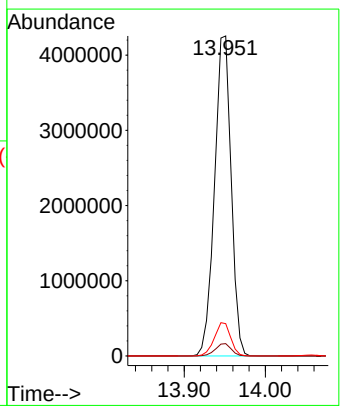
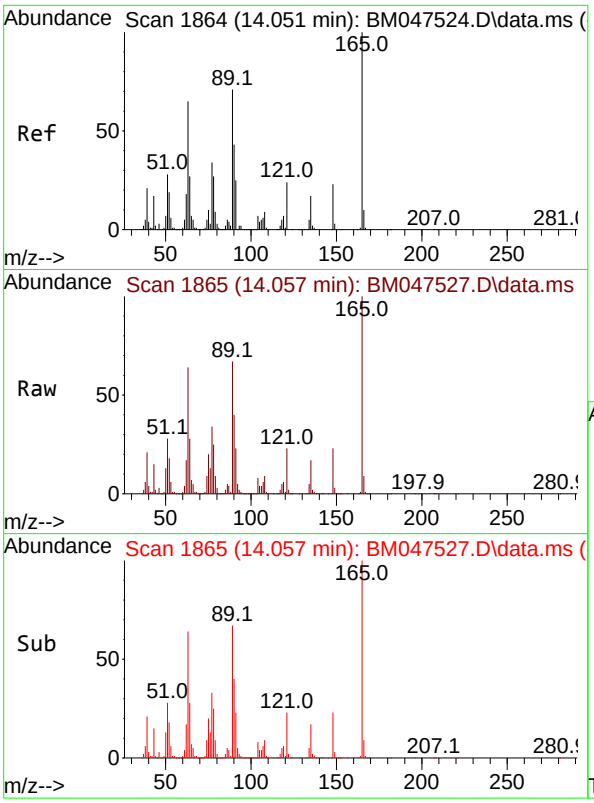


#50
Dimethylphthalate
Concen: 83.970 ng
RT: 13.951 min Scan# 1847
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

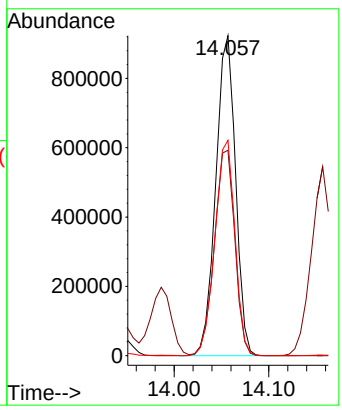




#51
2,6-Dinitrotoluene
Concen: 88.032 ng
RT: 14.057 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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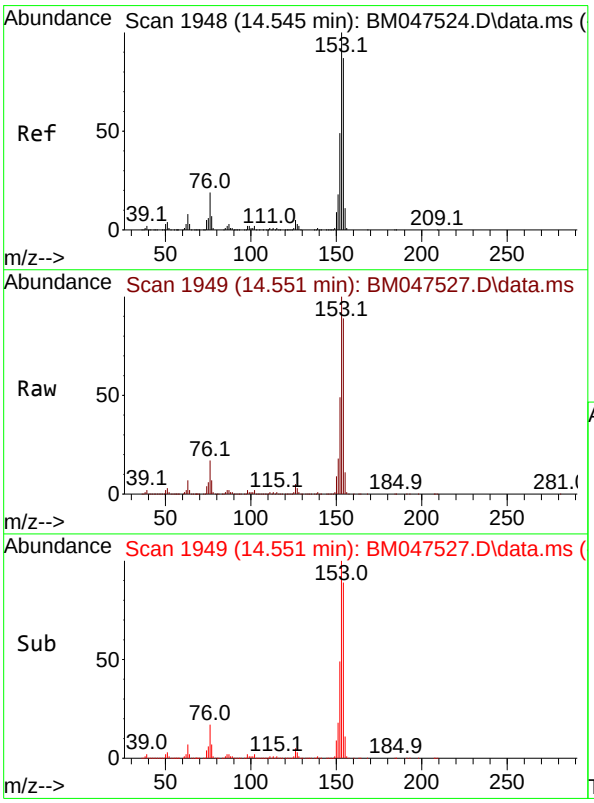
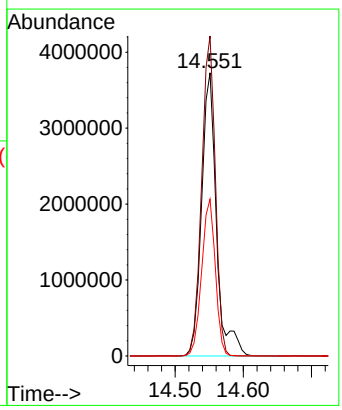
Supervised By :mohammad ahmed 09/17/2024

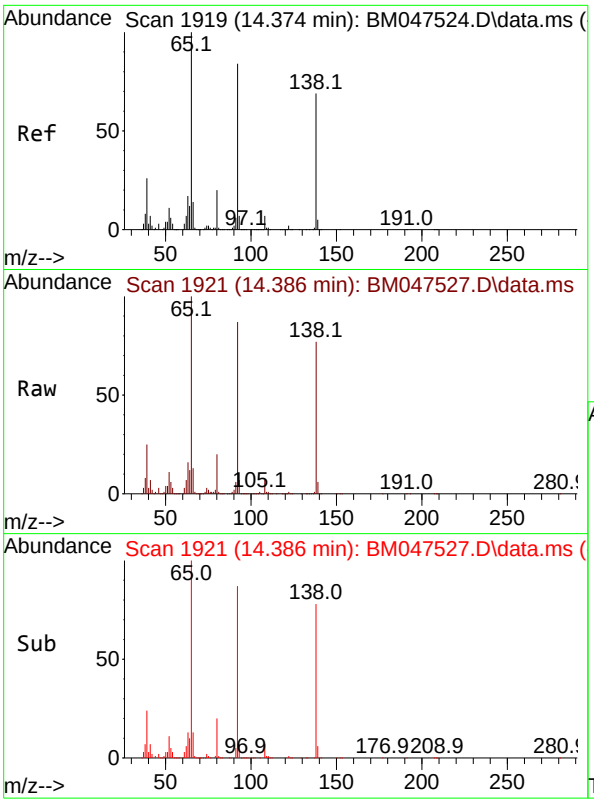


#52
Acenaphthene
Concen: 87.391 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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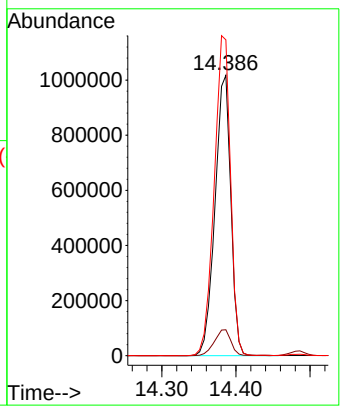
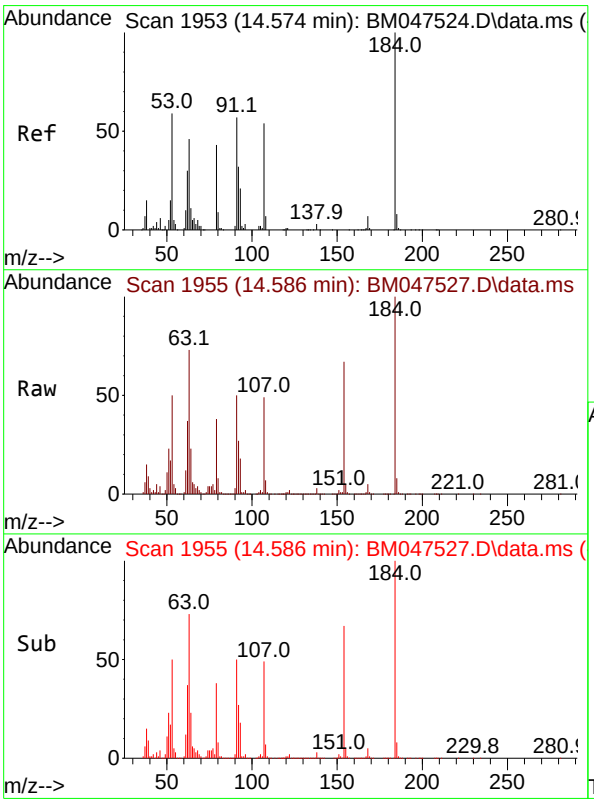
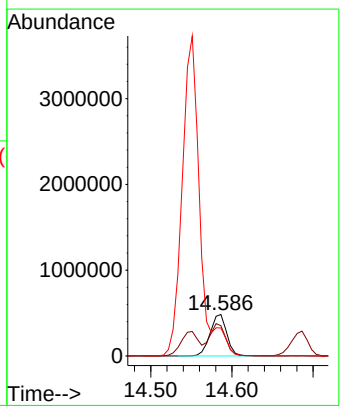


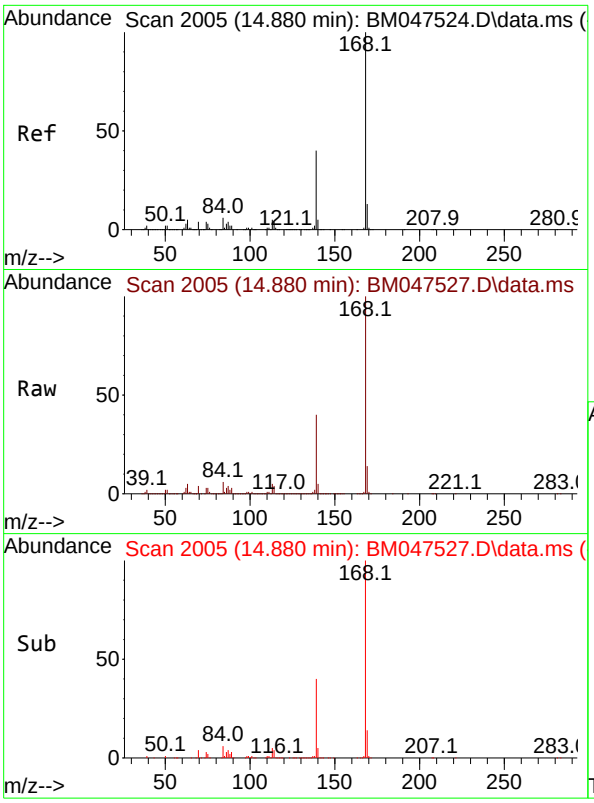


#54
2,4-Dinitrophenol
Concen: 80.155 ng
RT: 14.586 min Scan# 1955
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

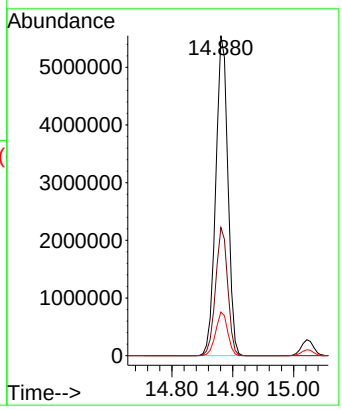




#55
Dibenzofuran
Concen: 84.345 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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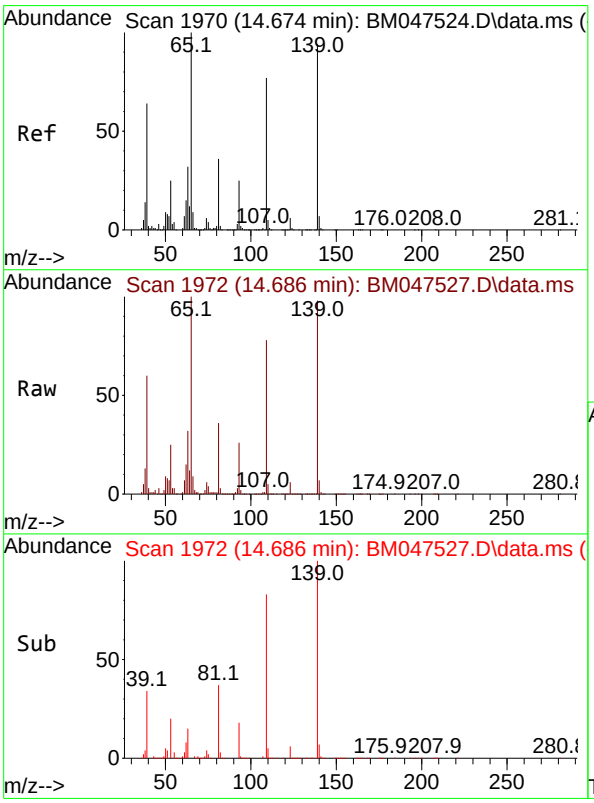
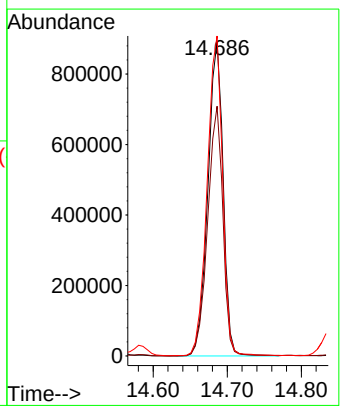
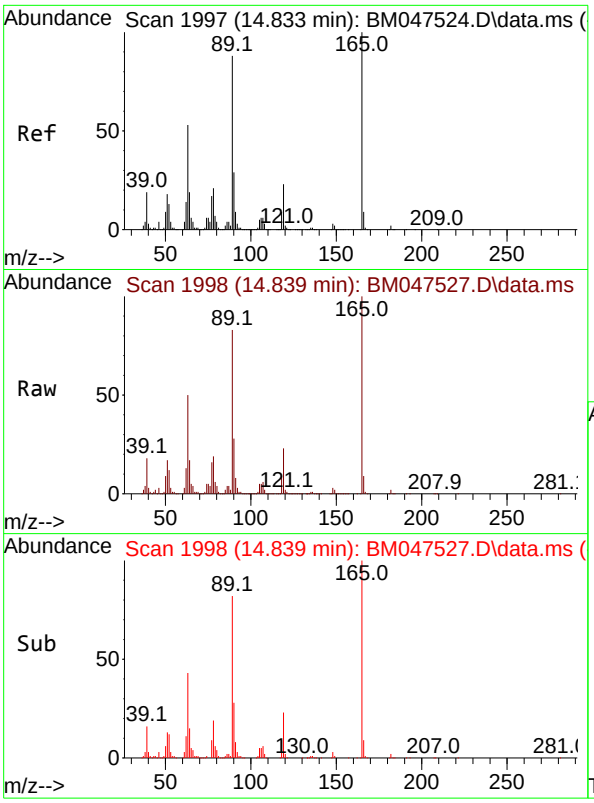


#56
4-Nitrophenol
Concen: 91.631 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

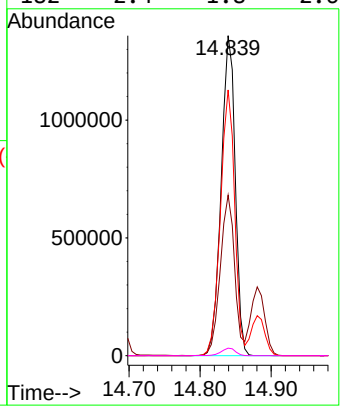




#57
2,4-Dinitrotoluene
Concen: 91.750 ng
RT: 14.839 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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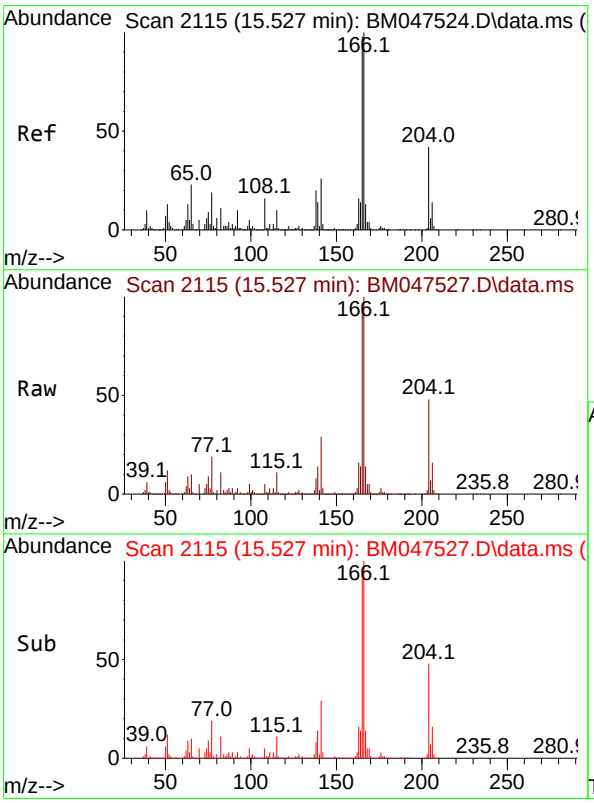
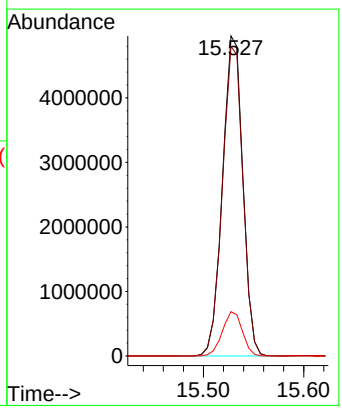
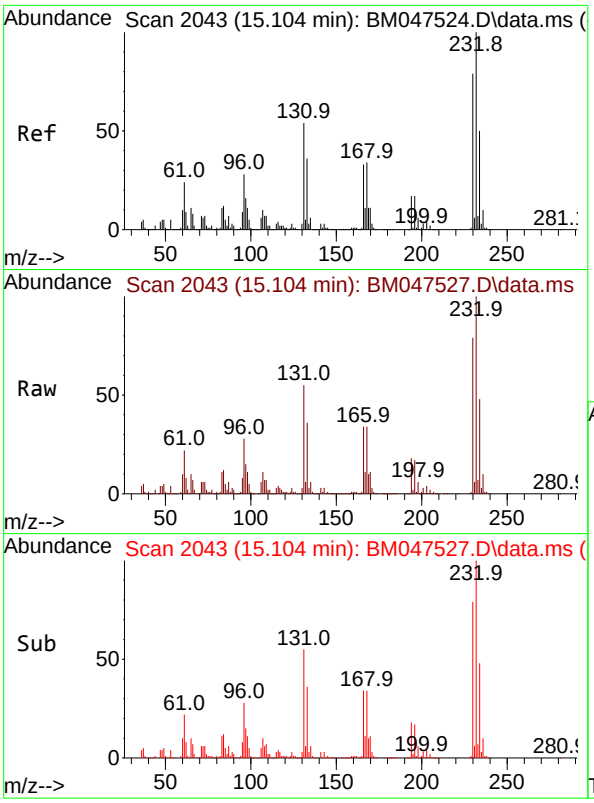


#58
Fluorene
Concen: 85.121 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

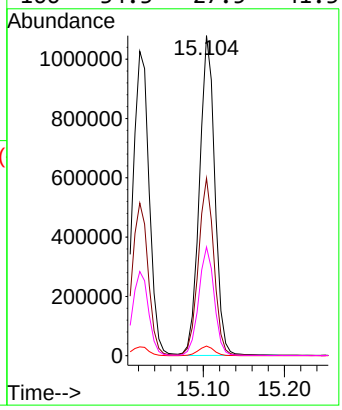




#59
2,3,4,6-Tetrachlorophenol
Concen: 89.803 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
SSTDICC080

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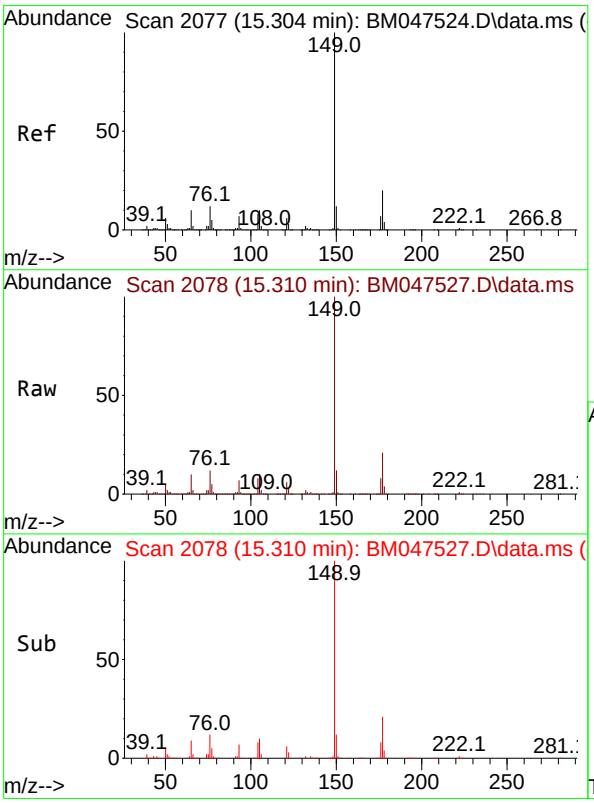
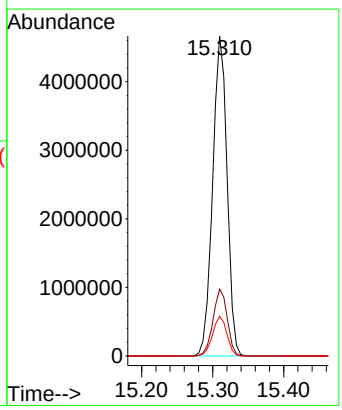
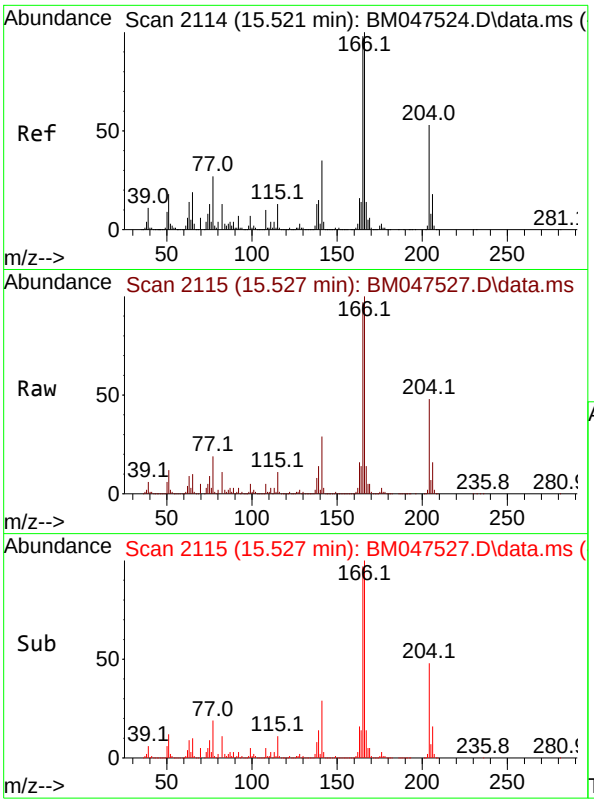


#60
Diethylphthalate
Concen: 85.346 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

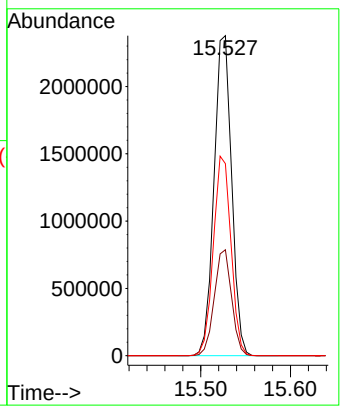




#61
4-Chlorophenyl-phenylether
Concen: 86.689 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
SSTDICC080

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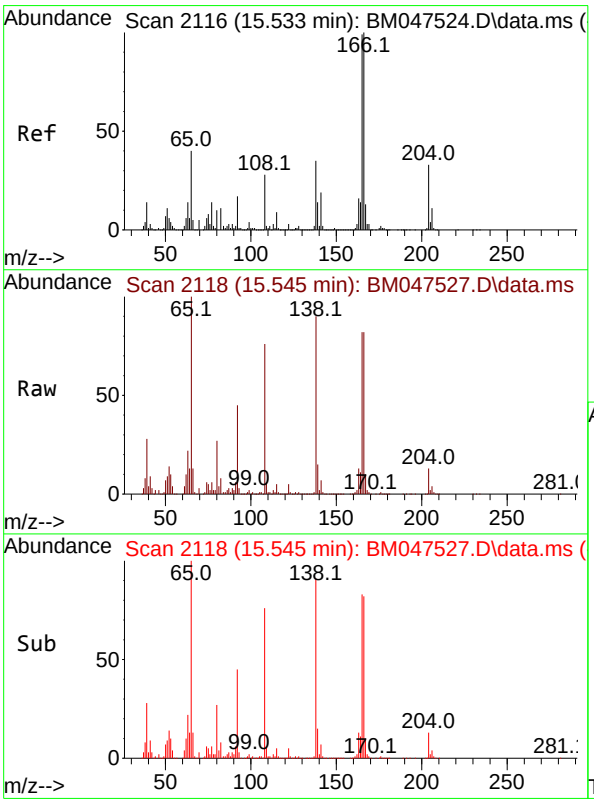
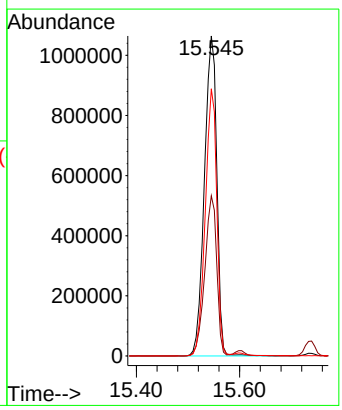
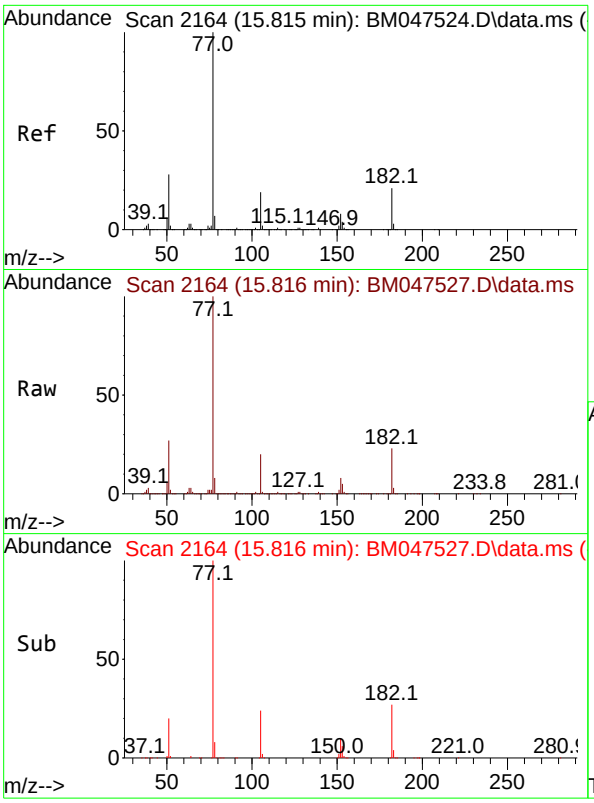


#62
4-Nitroaniline
Concen: 89.247 ng
RT: 15.545 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

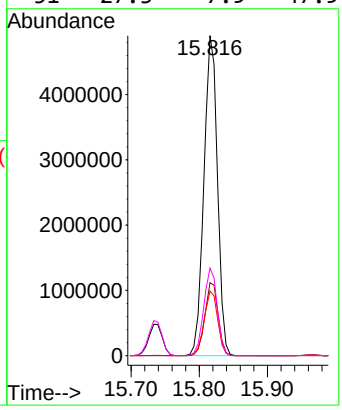




#63
Azobenzene
Concen: 79.939 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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ClientSampleId :
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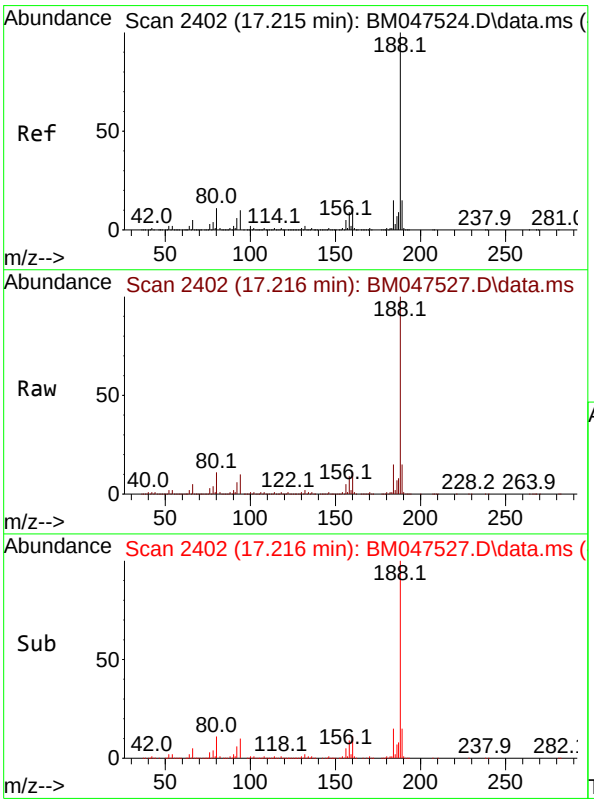
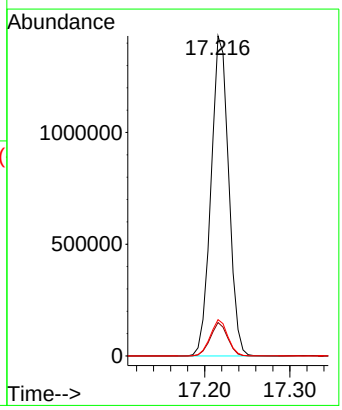
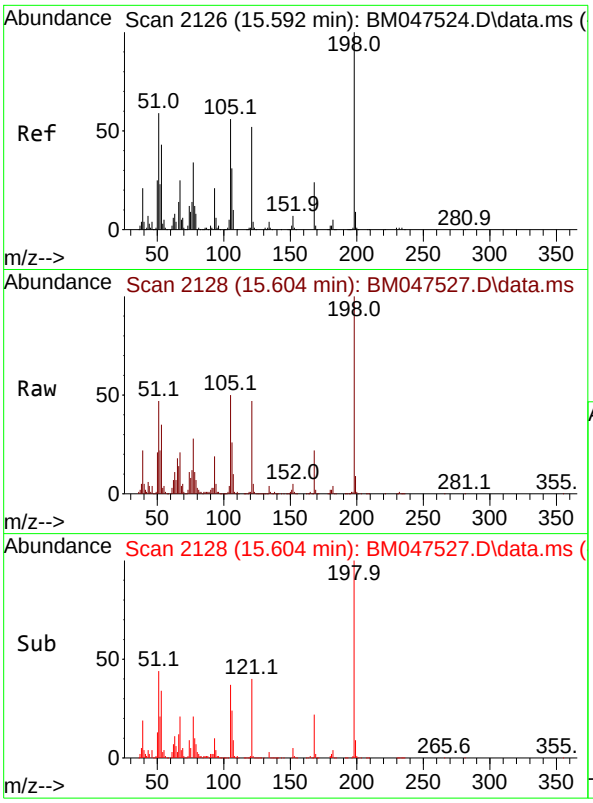


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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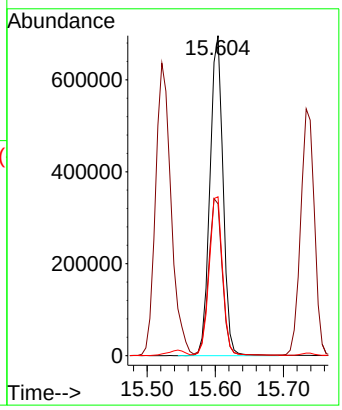
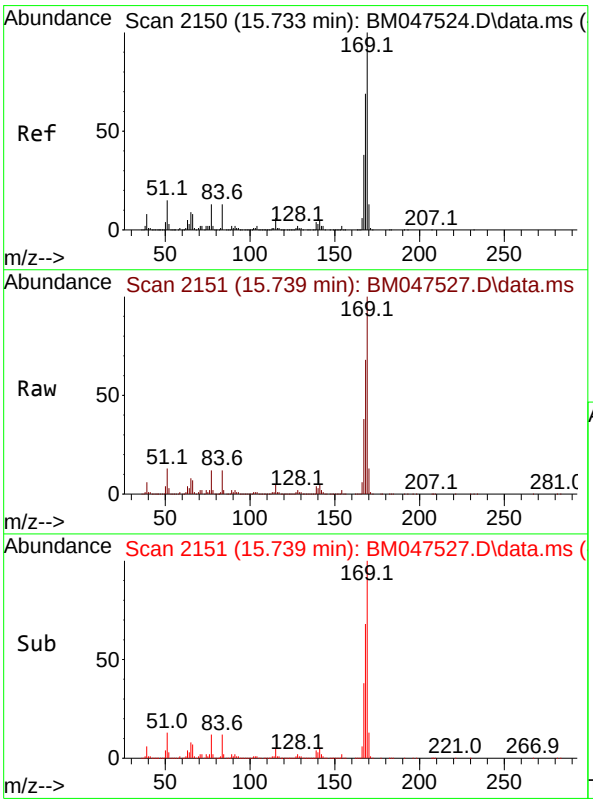
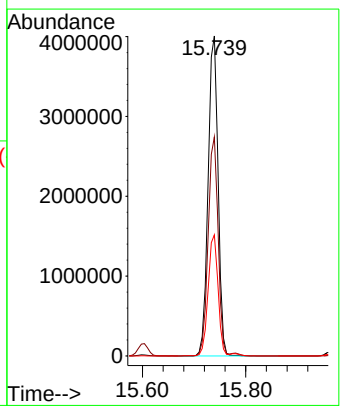


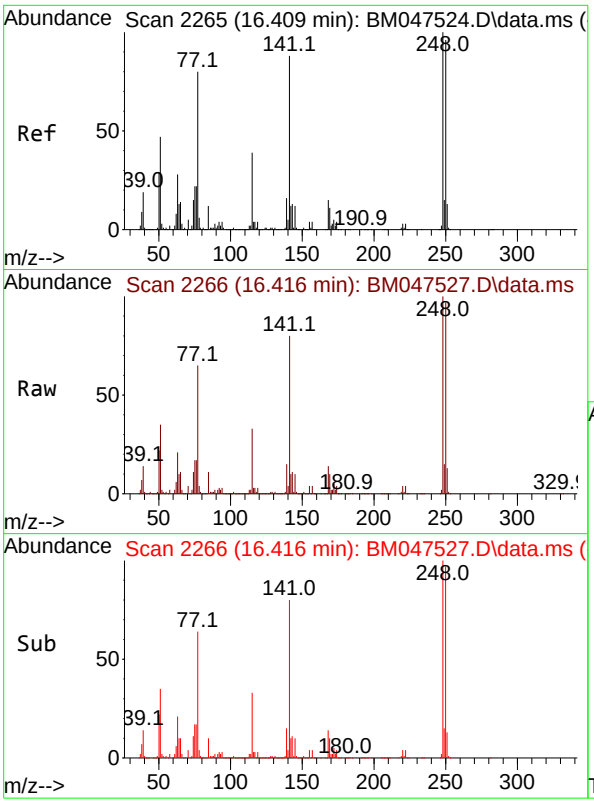


#66
n-Nitrosodiphenylamine
Concen: 84.468 ng
RT: 15.739 min Scan# 2151
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

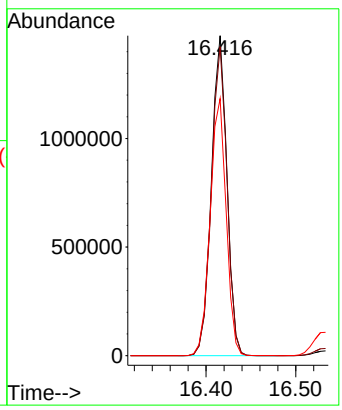




#67
4-Bromophenyl-phenylether
Concen: 88.401 ng
RT: 16.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

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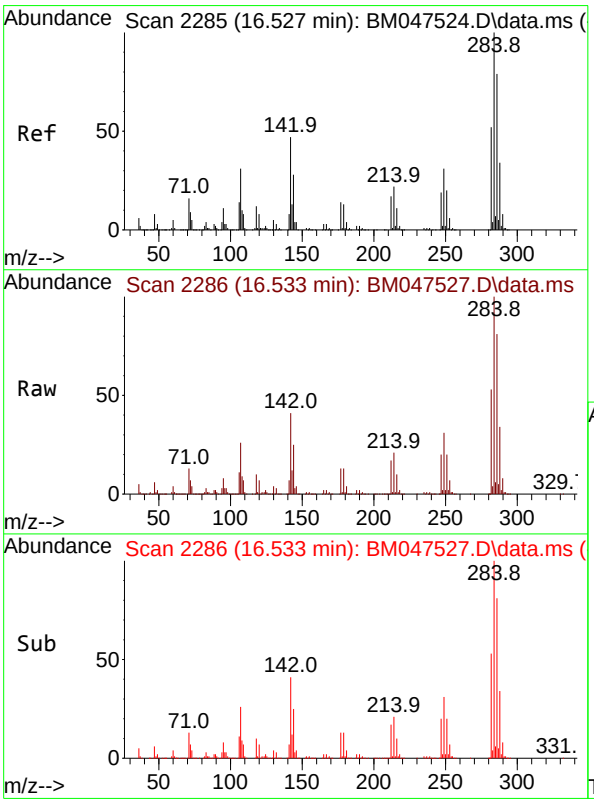
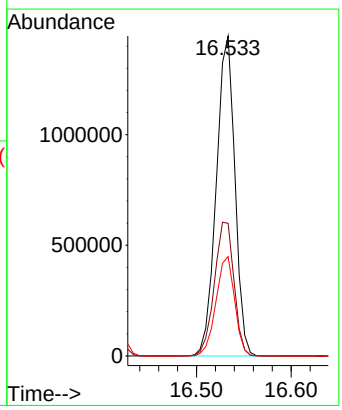
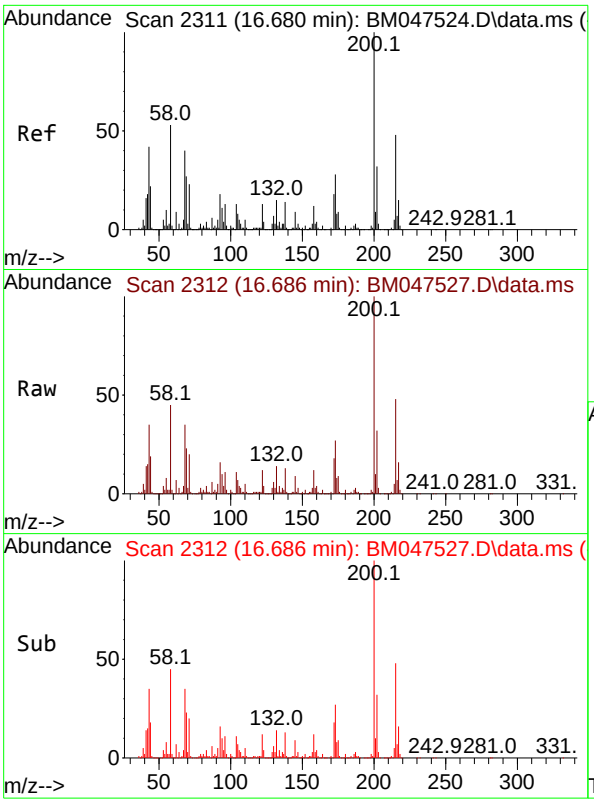


#68
Hexachlorobenzene
Concen: 86.722 ng
RT: 16.533 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

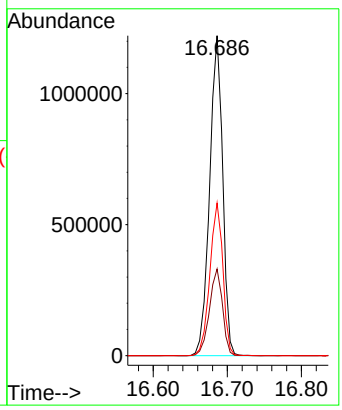




#69
Atrazine
Concen: 85.338 ng
RT: 16.686 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

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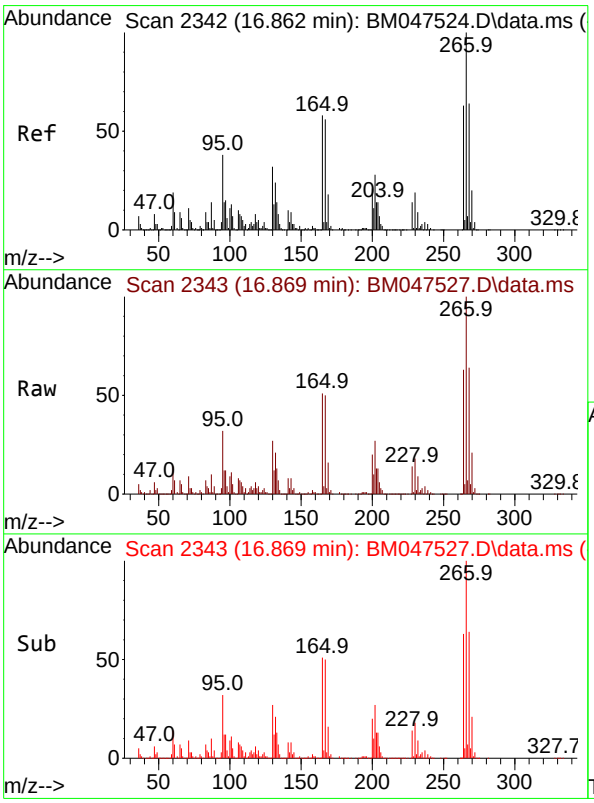
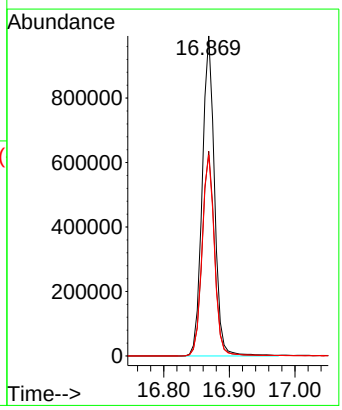
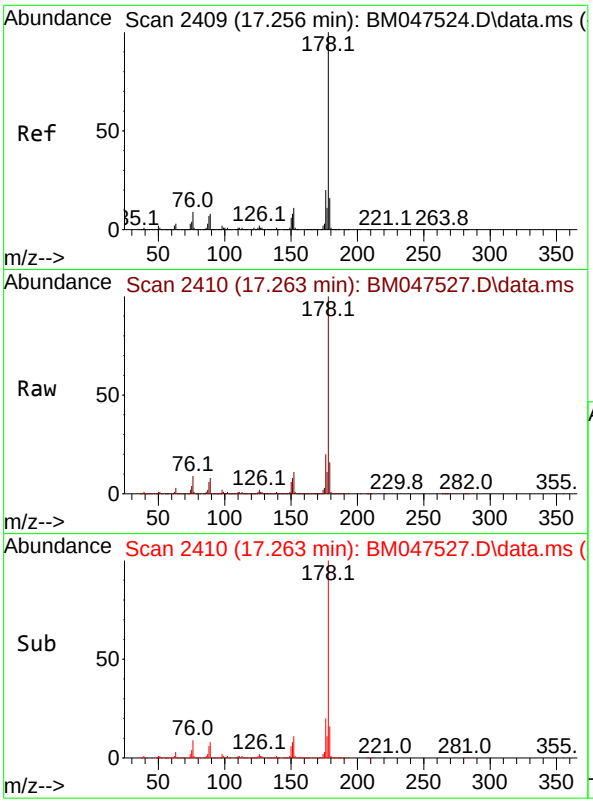


#70
Pentachlorophenol
Concen: 98.154 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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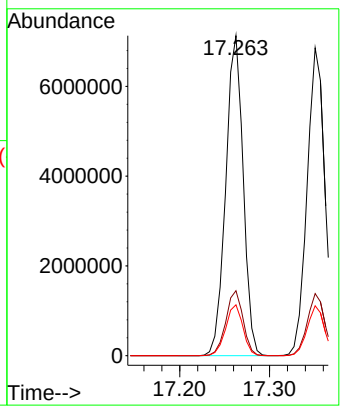
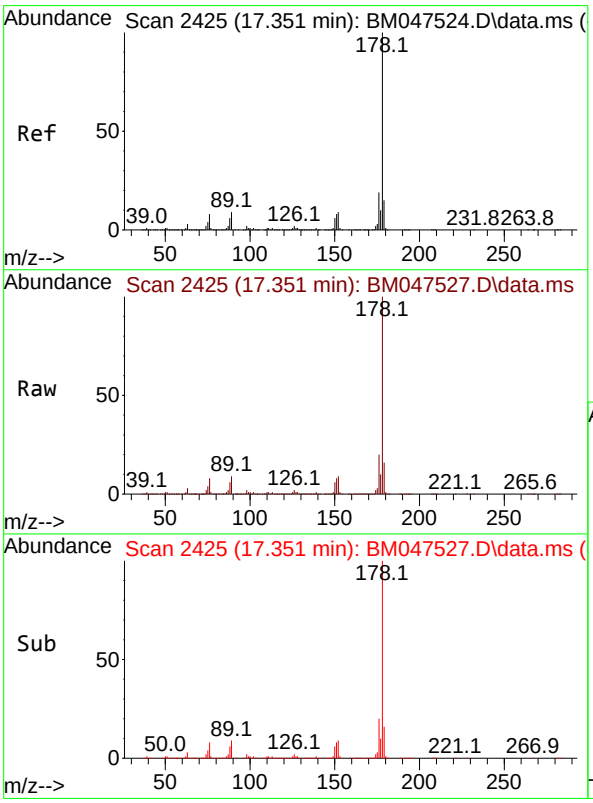
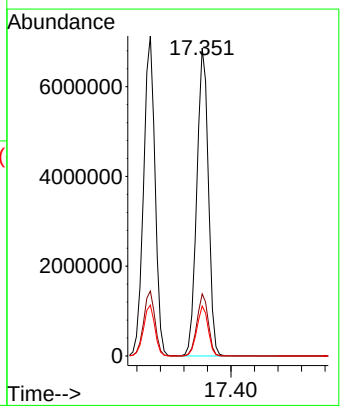


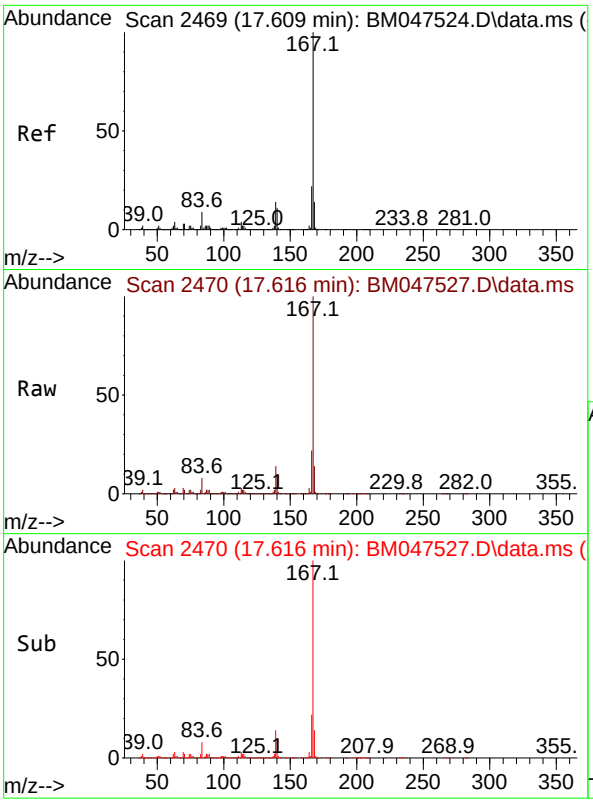


#72
Anthracene
Concen: 85.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

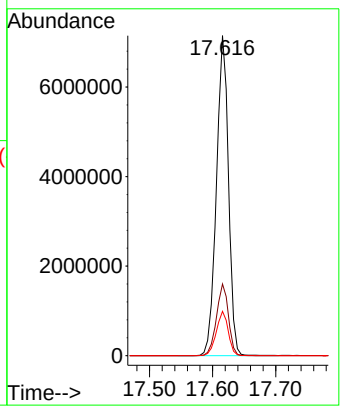




#73
Carbazole
Concen: 87.074 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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



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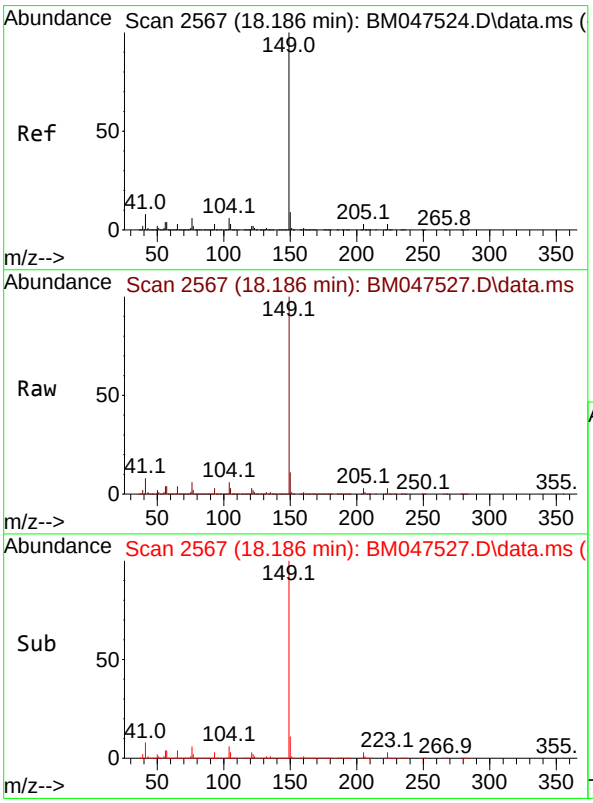
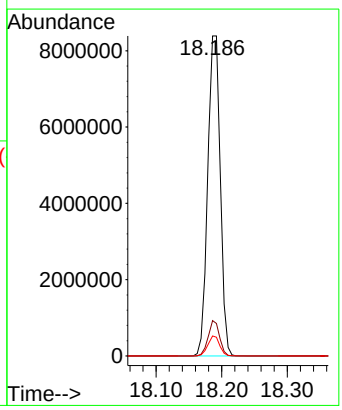
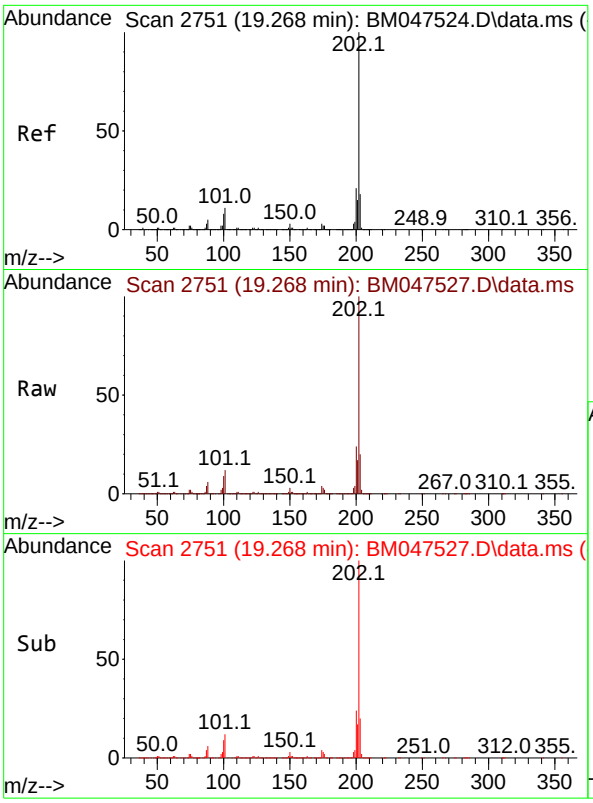


#74
Di-n-butylphthalate
Concen: 86.054 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

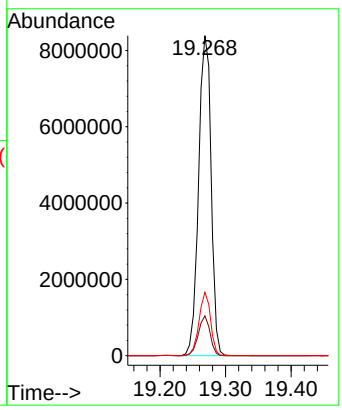




#75
Fluoranthene
Concen: 89.637 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
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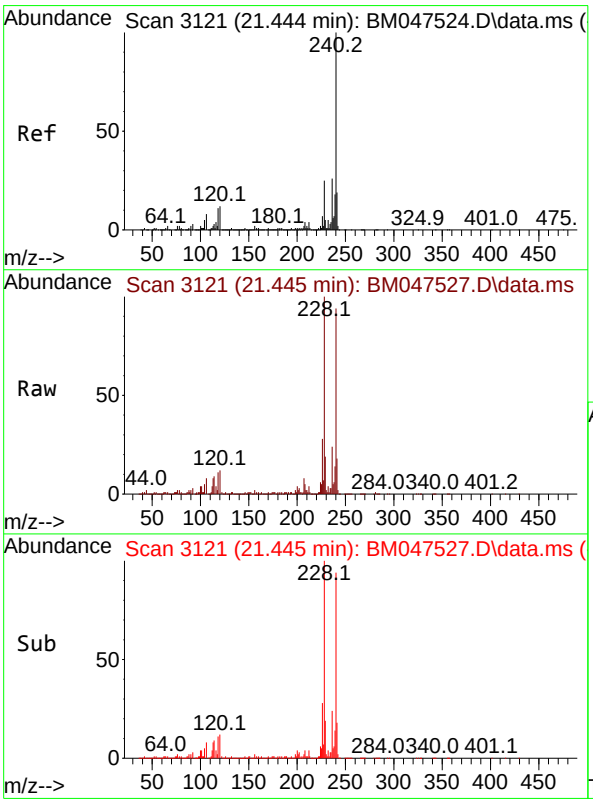
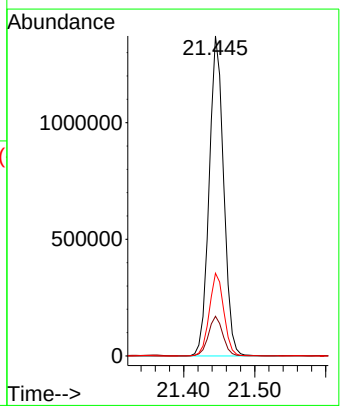
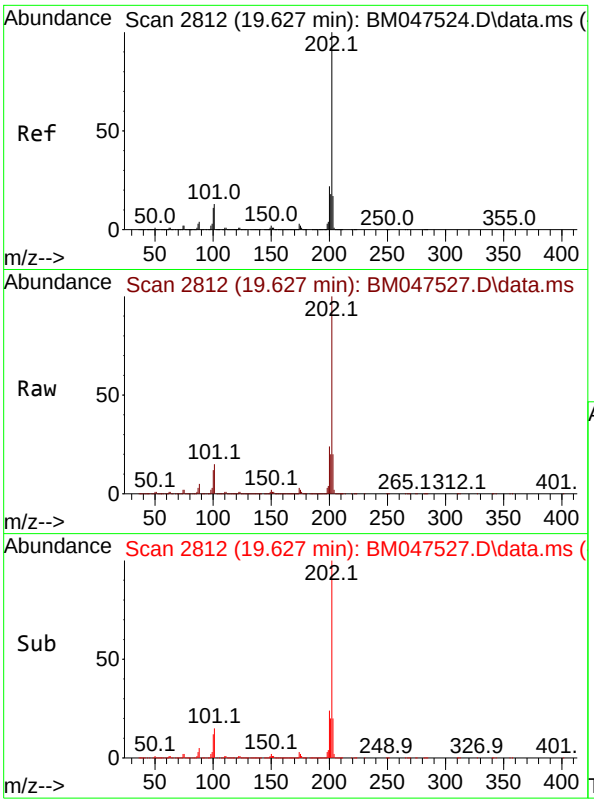


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.001 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

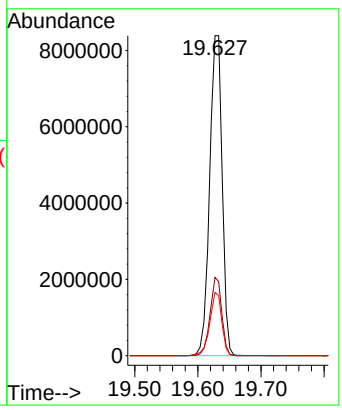




#78
Pyrene
Concen: 81.473 ng
RT: 19.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
BNA_M
ClientSampleId :
SSTDICC080

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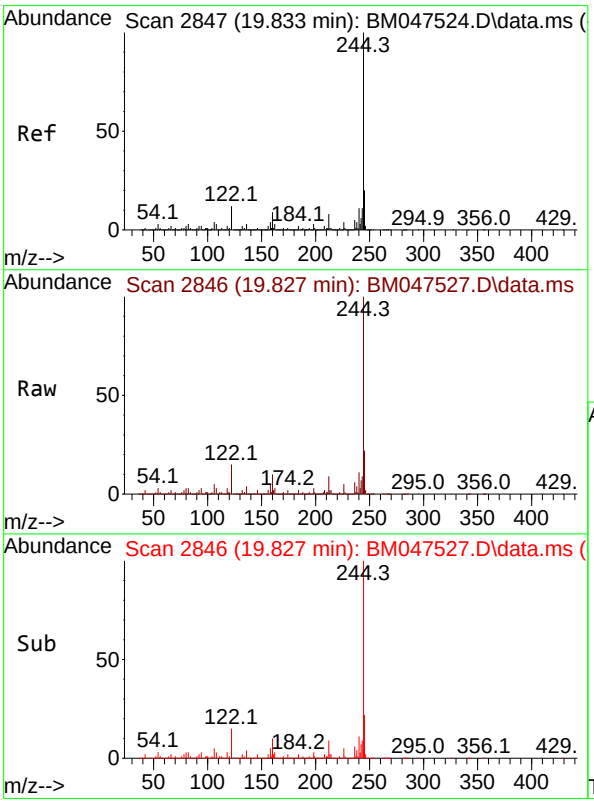
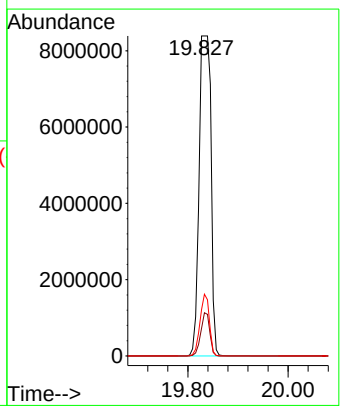
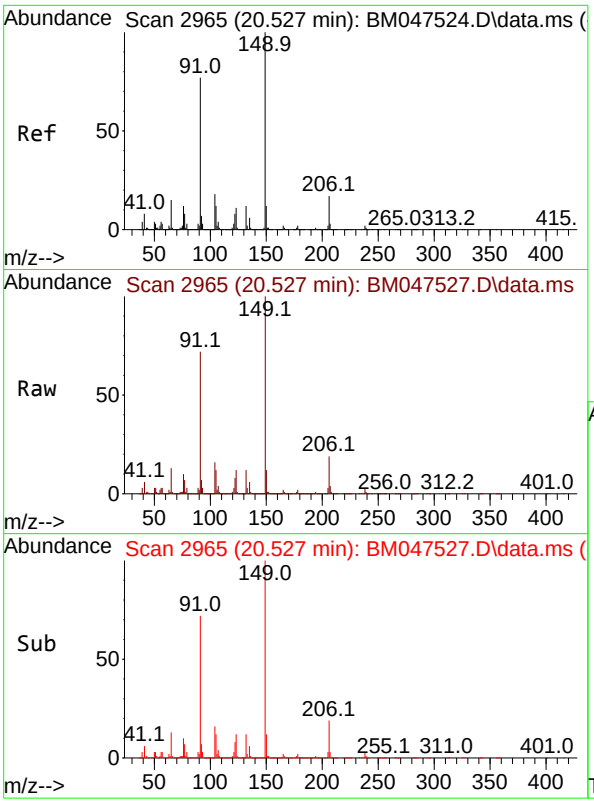


#79
Terphenyl-d14
Concen: 127.289 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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#

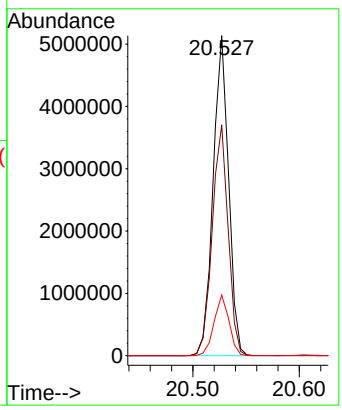




#80
Butylbenzylphthalate
Concen: 94.758 ng
RT: 20.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

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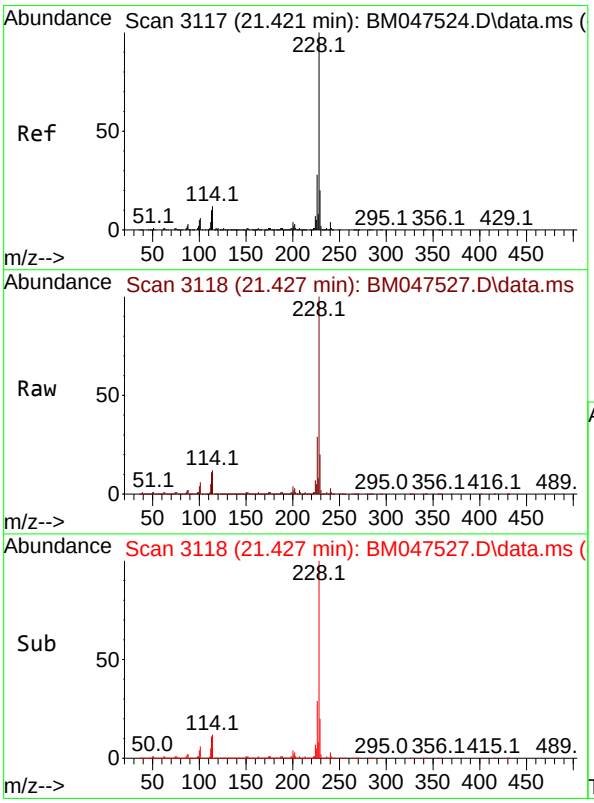
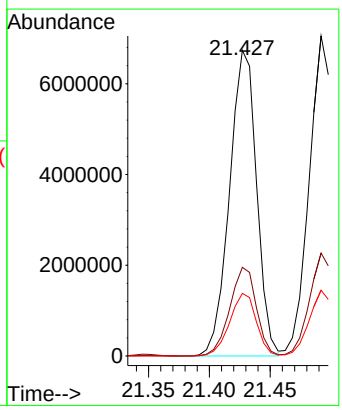
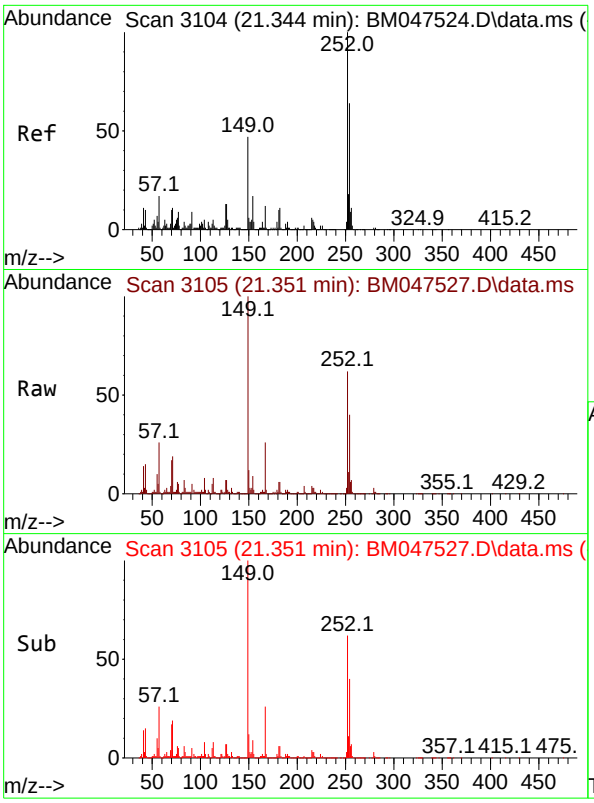


#81
Benzo(a)anthracene
Concen: 82.413 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

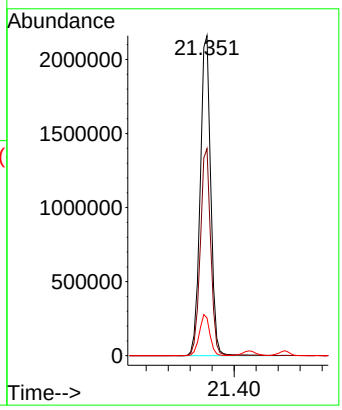




#82
3,3'-Dichlorobenzidine
Concen: 85.067 ng
RT: 21.351 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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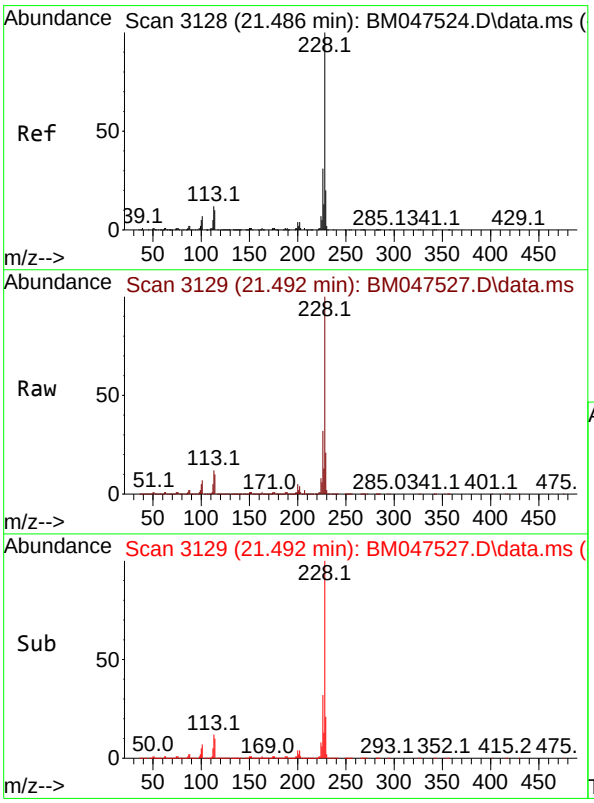
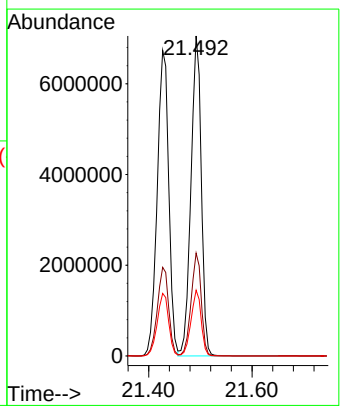
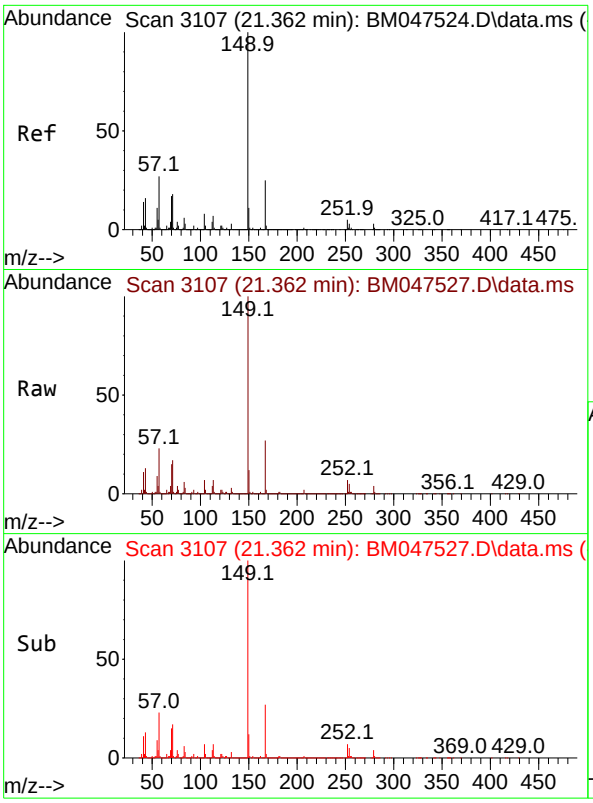


#83
Chrysene
Concen: 81.737 ng
RT: 21.492 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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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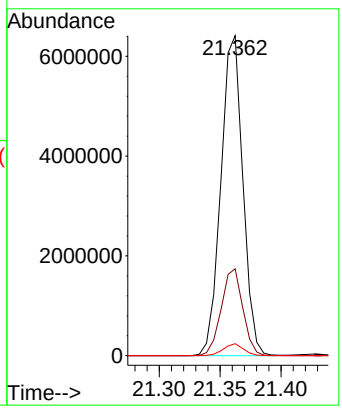
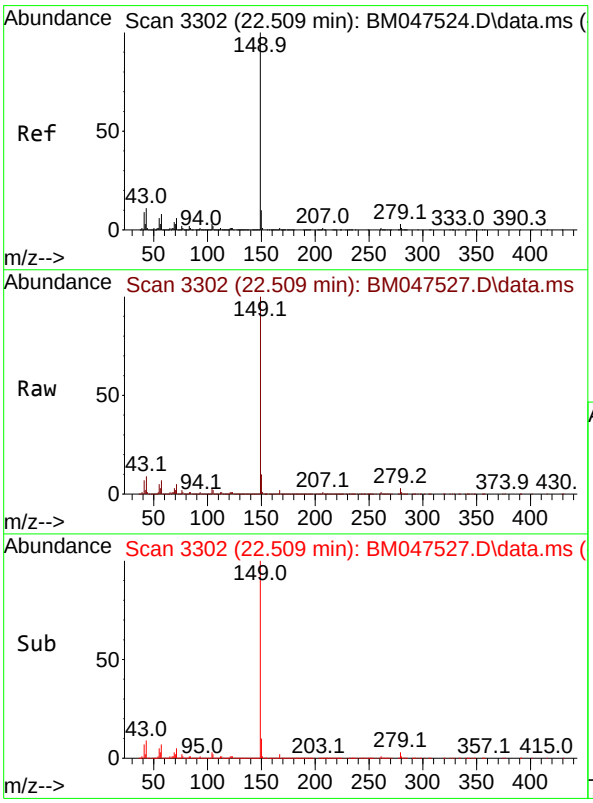
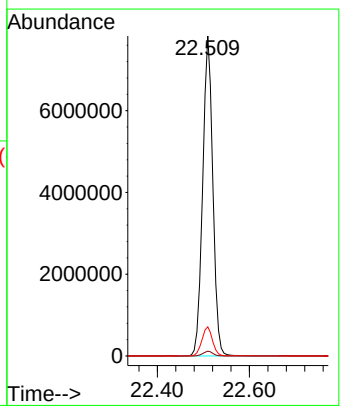


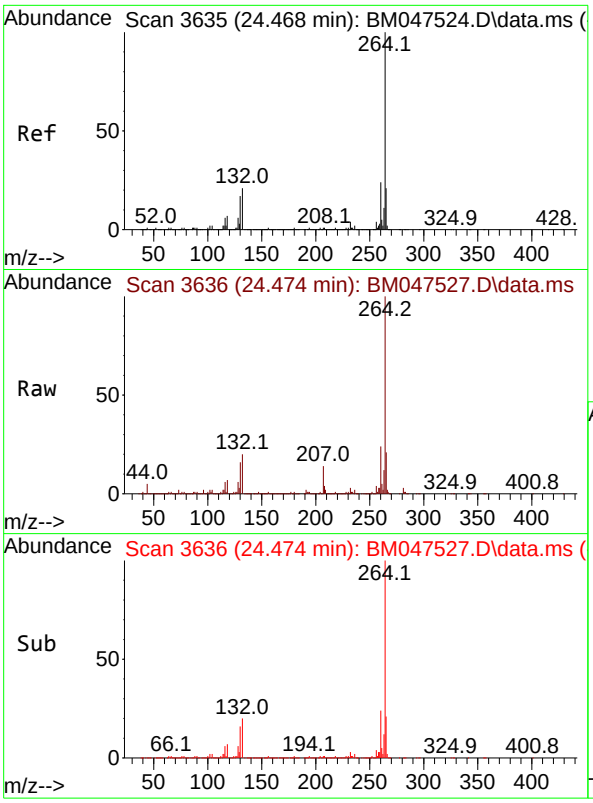


#85
Di-n-octyl phthalate
Concen: 99.636 ng
RT: 22.509 min Scan# 3302
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

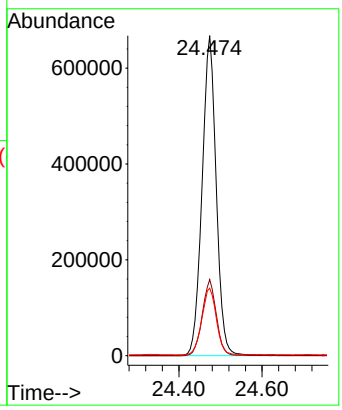




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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 :
SSTDICC080

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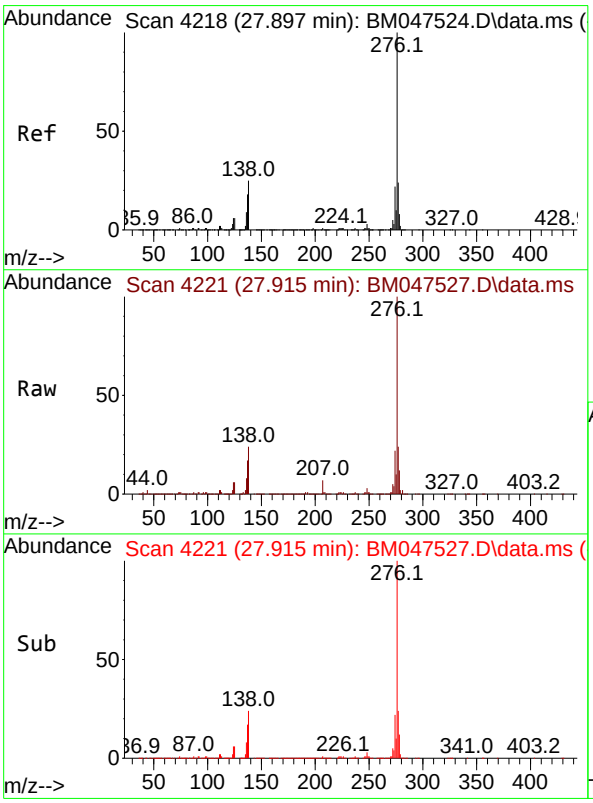
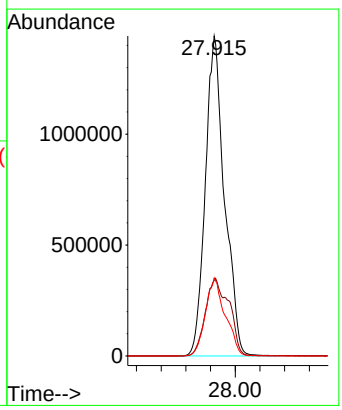
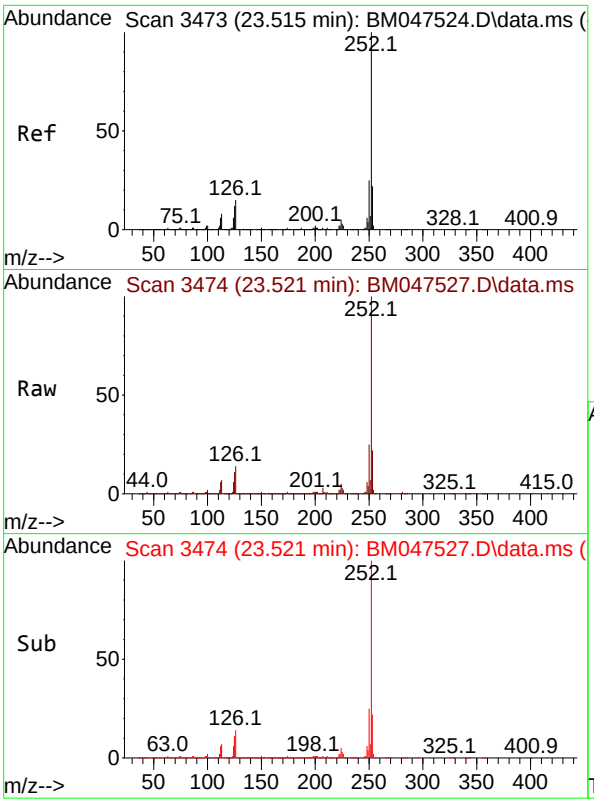


#87
Indeno(1,2,3-cd)pyrene
Concen: 82.411 ng
RT: 27.915 min Scan# 4221
Delta R.T. 0.018 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

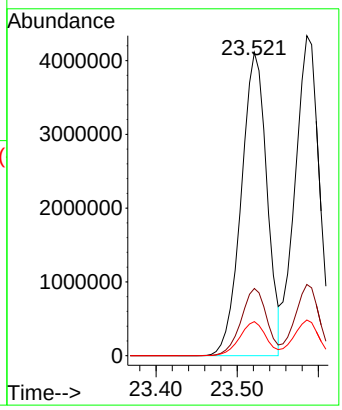




#88
Benzo(b)fluoranthene
Concen: 88.549 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 903158

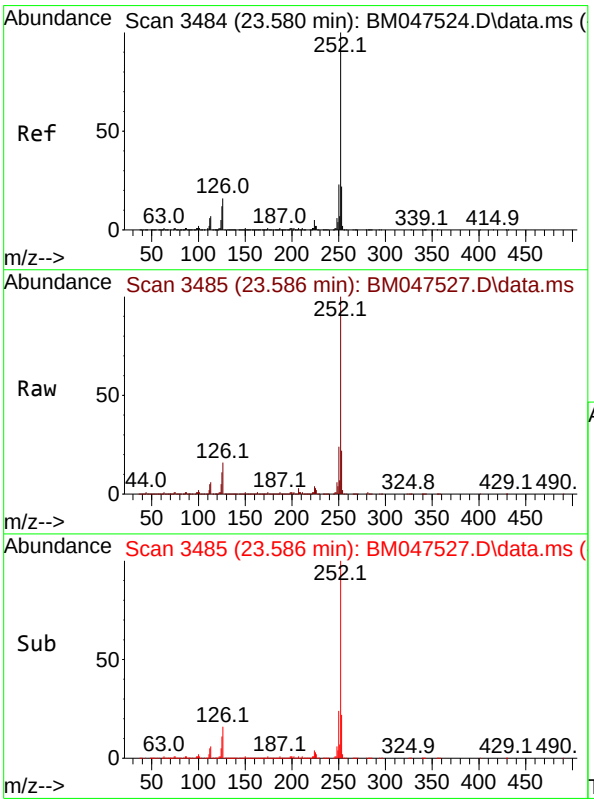
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.2	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

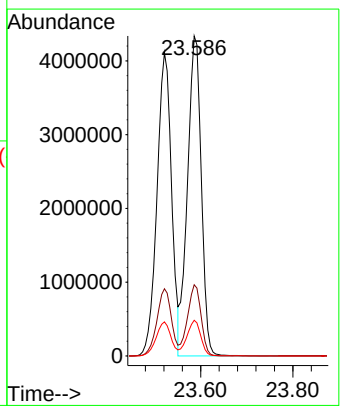
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

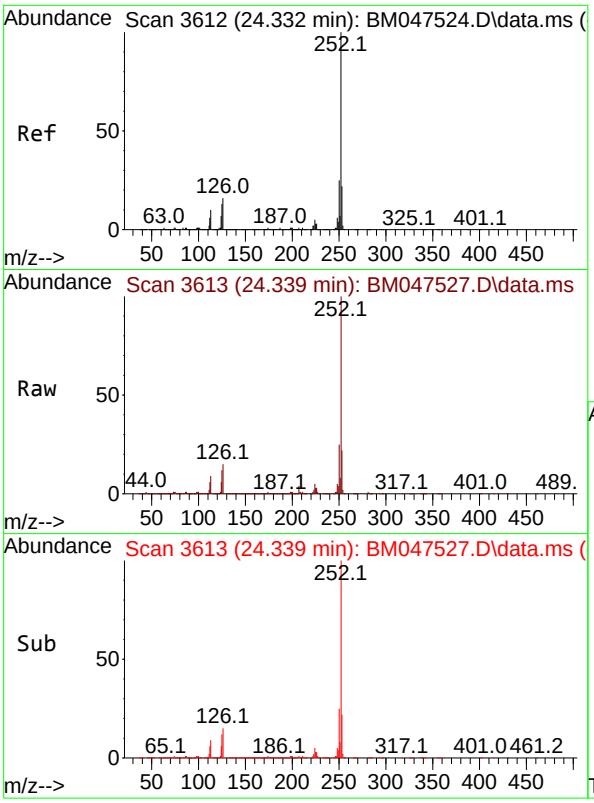


#89
Benzo(k)fluoranthene
Concen: 88.828 ng
RT: 23.586 min Scan# 3485
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

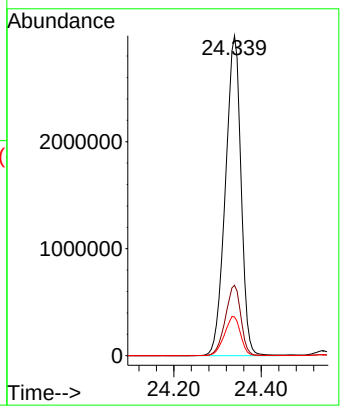




#90
Benzo(a)pyrene
Concen: 88.303 ng
RT: 24.339 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

Manual Integrations
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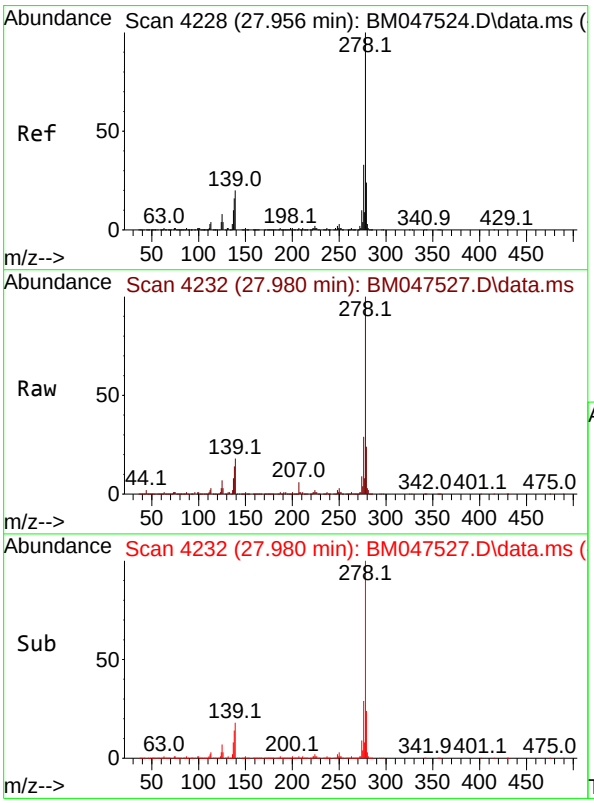
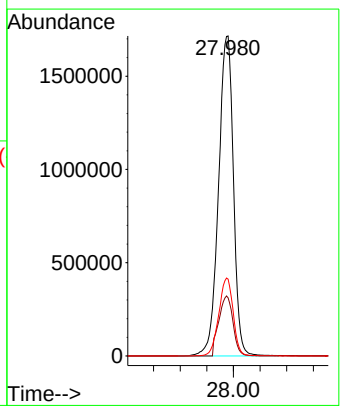
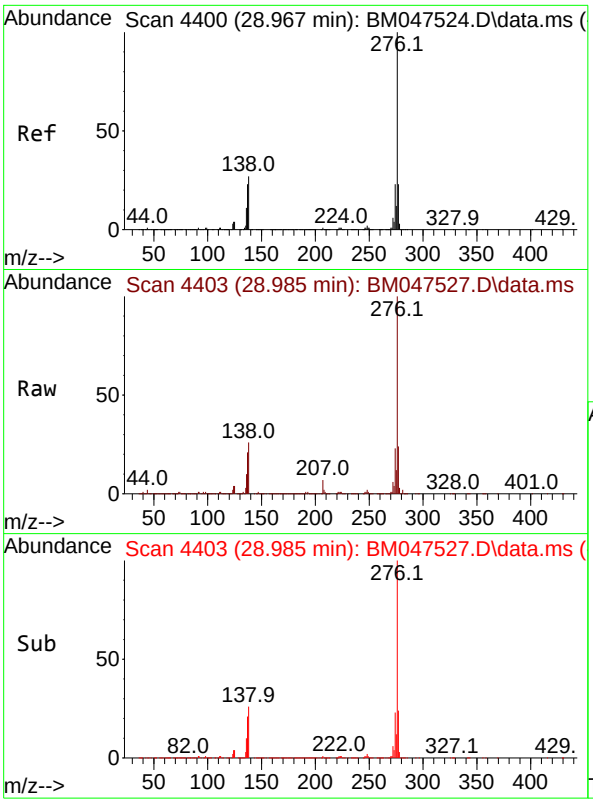


#91
Dibenzo(a,h)anthracene
Concen: 84.077 ng
RT: 27.980 min Scan# 4232
Delta R.T. 0.024 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

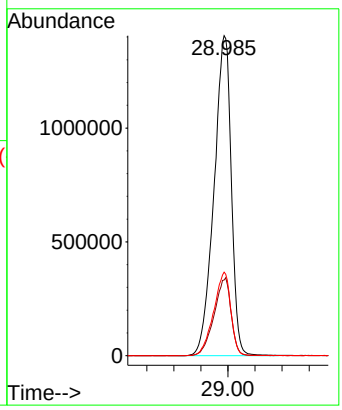




#92
Benzo(g,h,i)perylene
Concen: 80.358 ng
RT: 28.985 min Scan# 44
Delta R.T. 0.018 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

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

Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

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	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

ICAL Form

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

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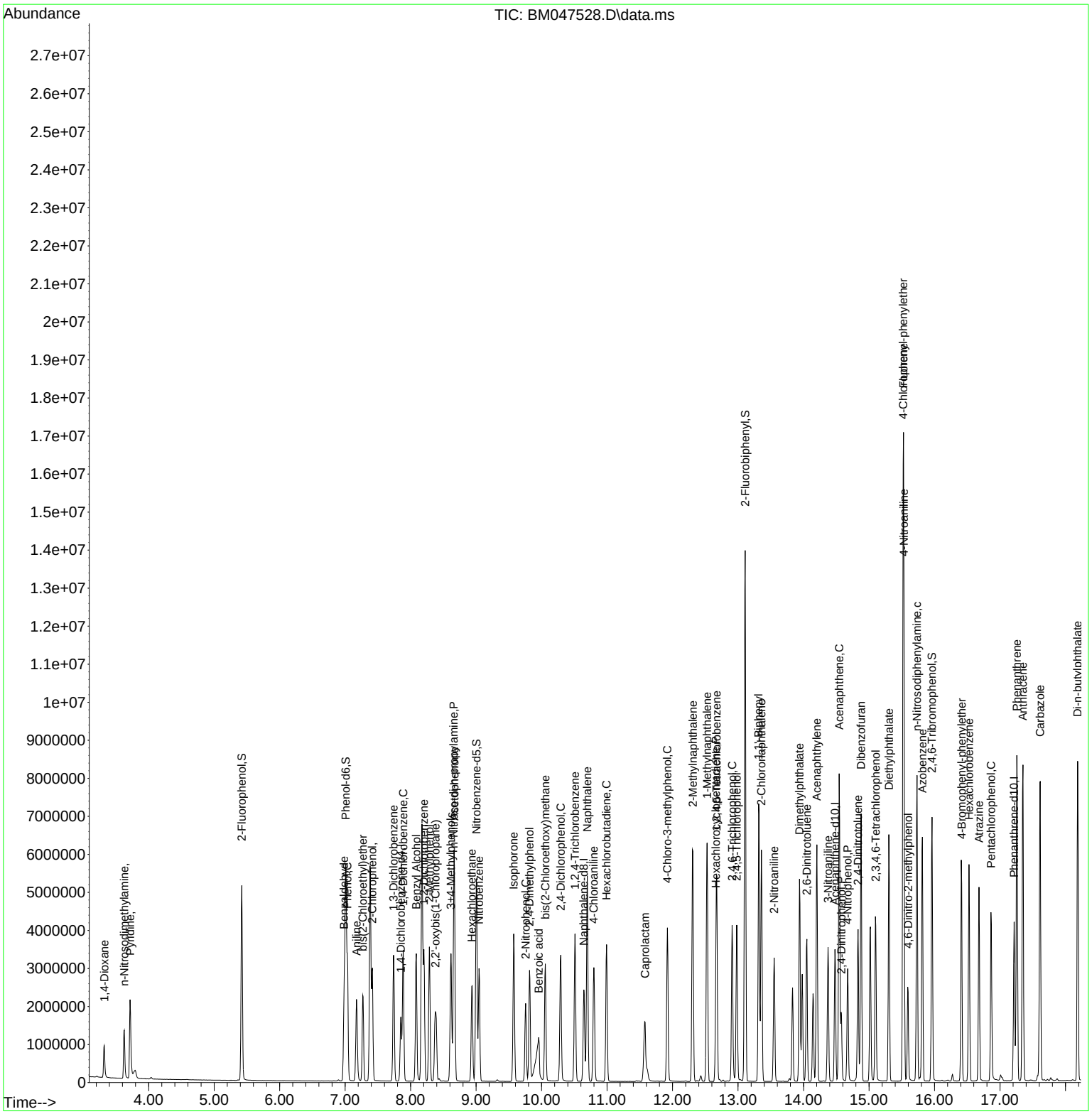

ICAL Form

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 :
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Quant Time: Sep 15 08:58:50 2024
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ICVBM091424

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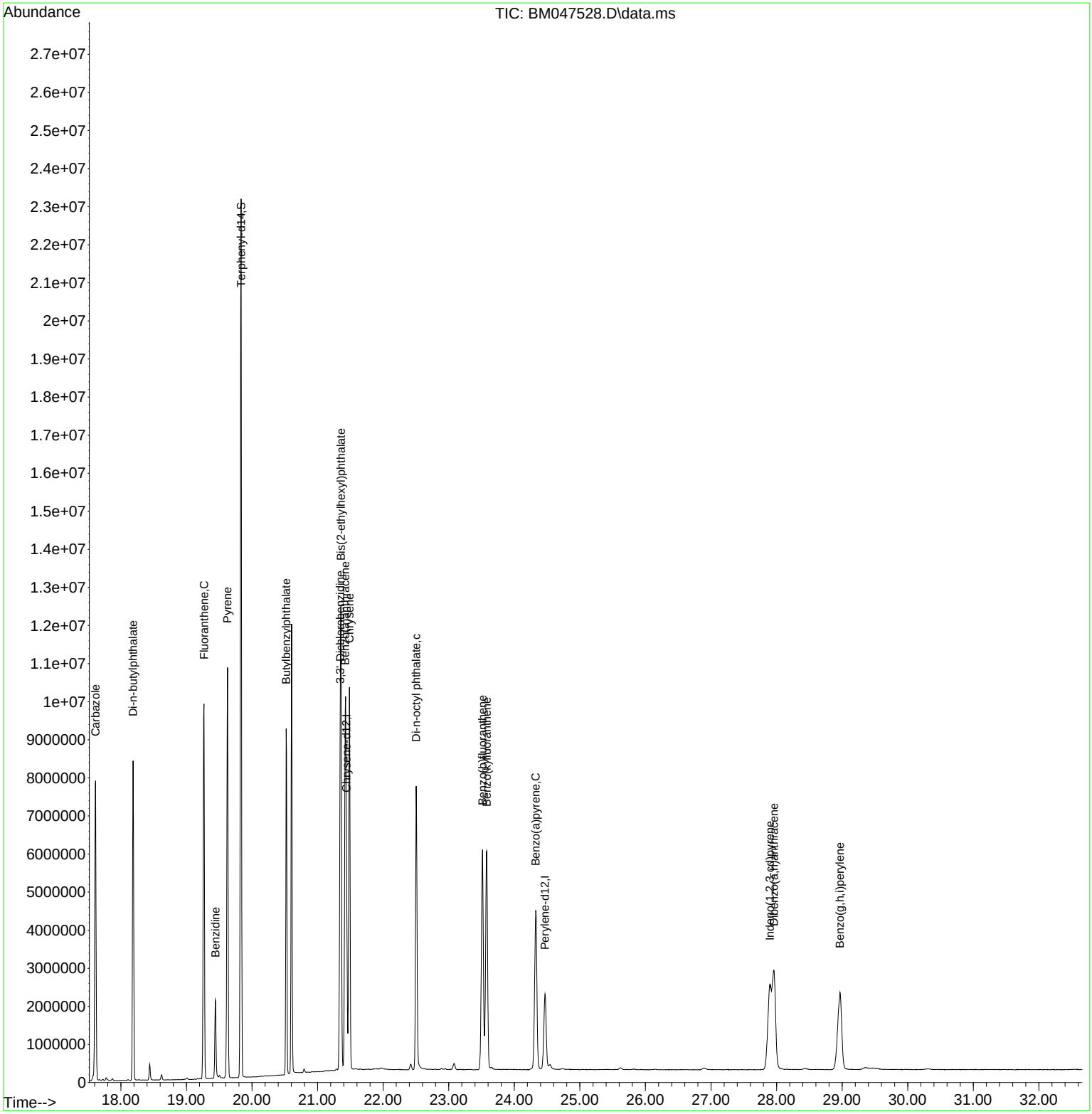
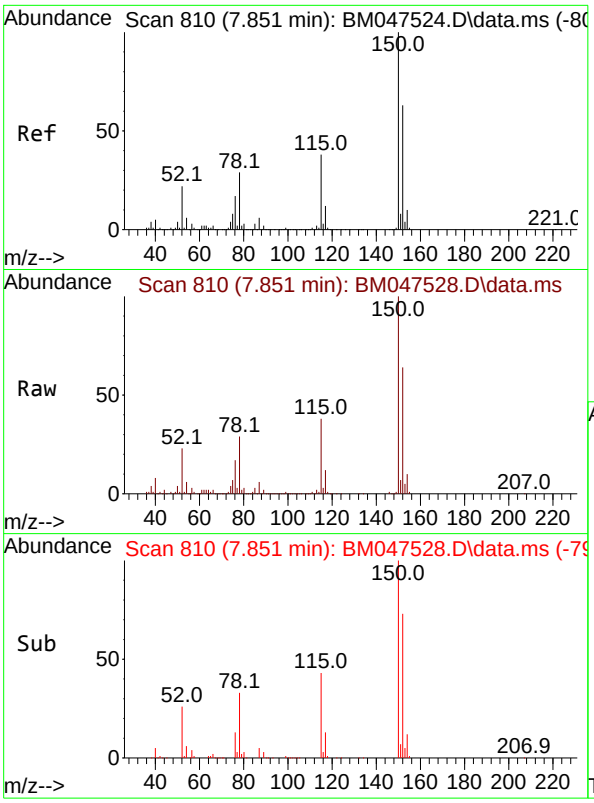
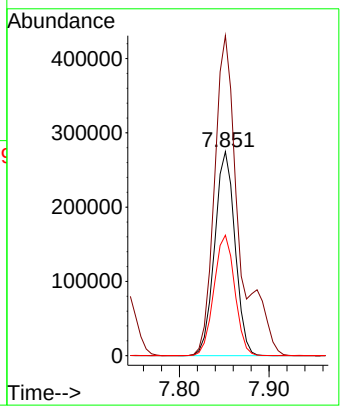




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:152 Resp: 433518

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
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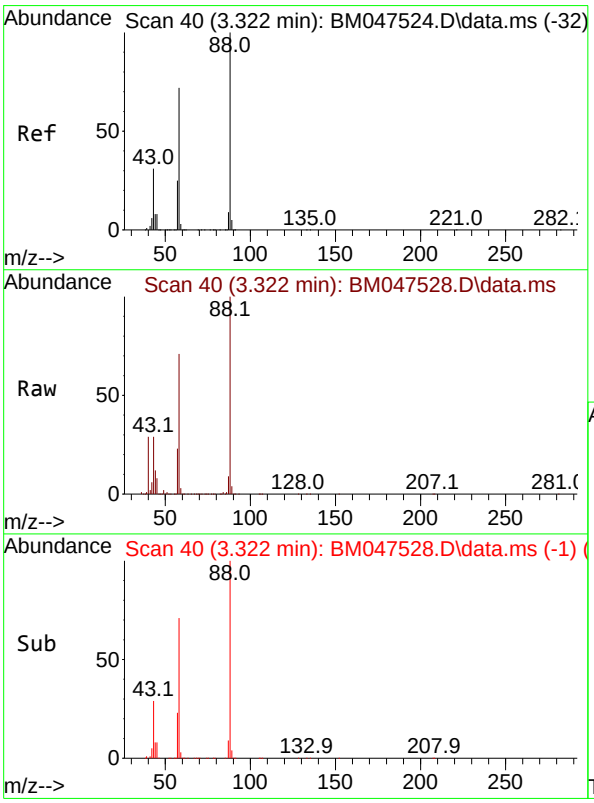
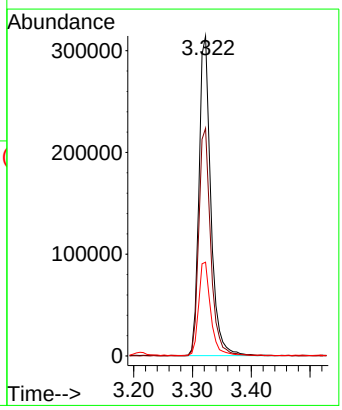
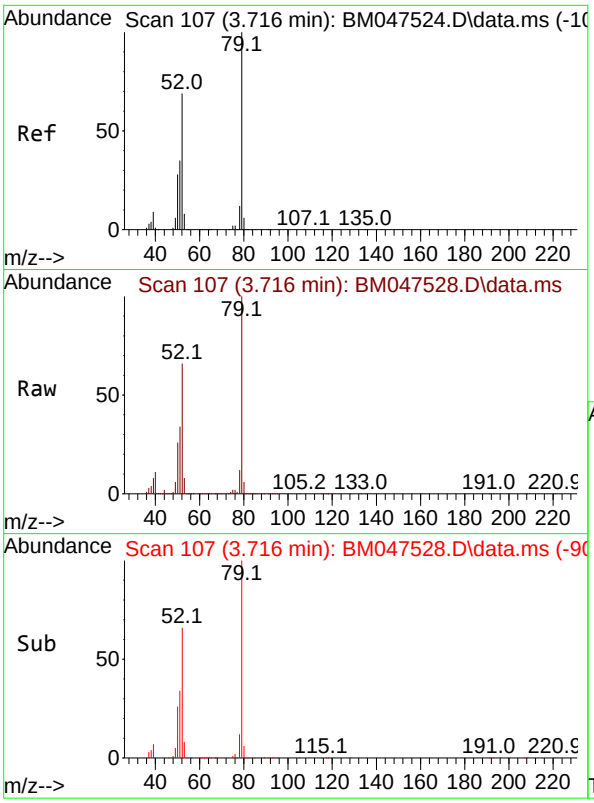


#2
1,4-Dioxane
Concen: 37.418 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

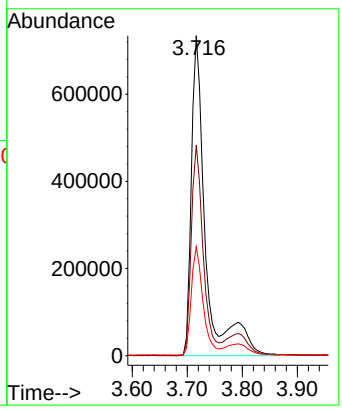




#3
Pyridine
Concen: 38.276 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

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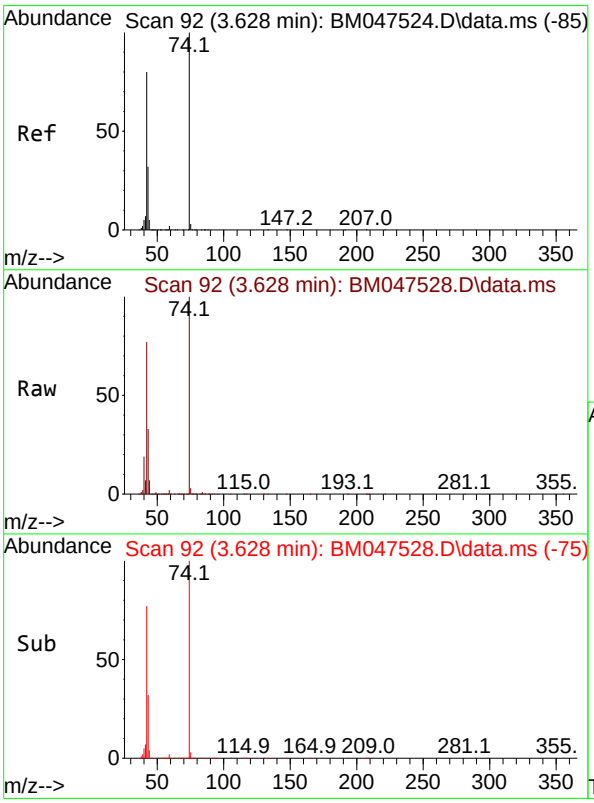
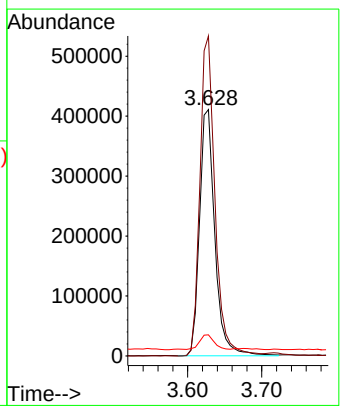
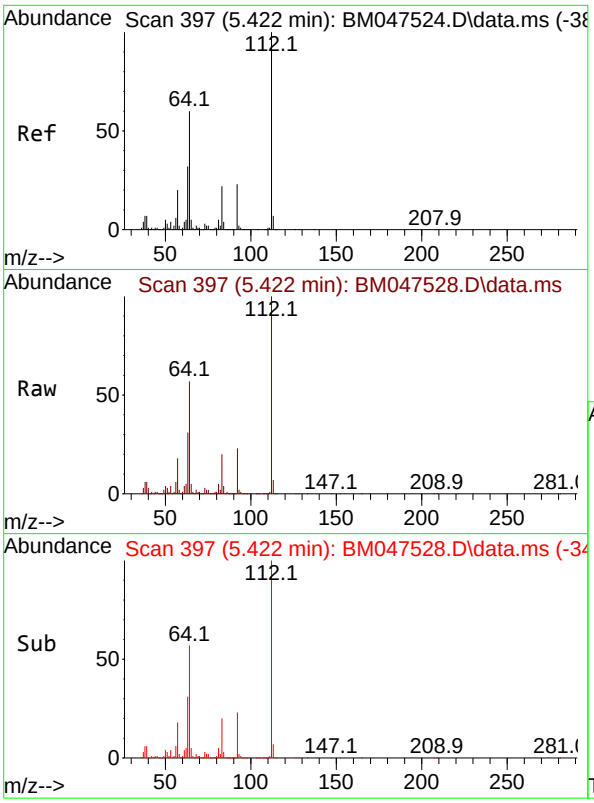


#4
n-Nitrosodimethylamine
Concen: 37.531 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

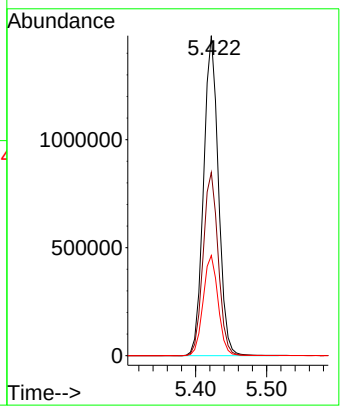
Tgt Ion:112 Resp: 215314

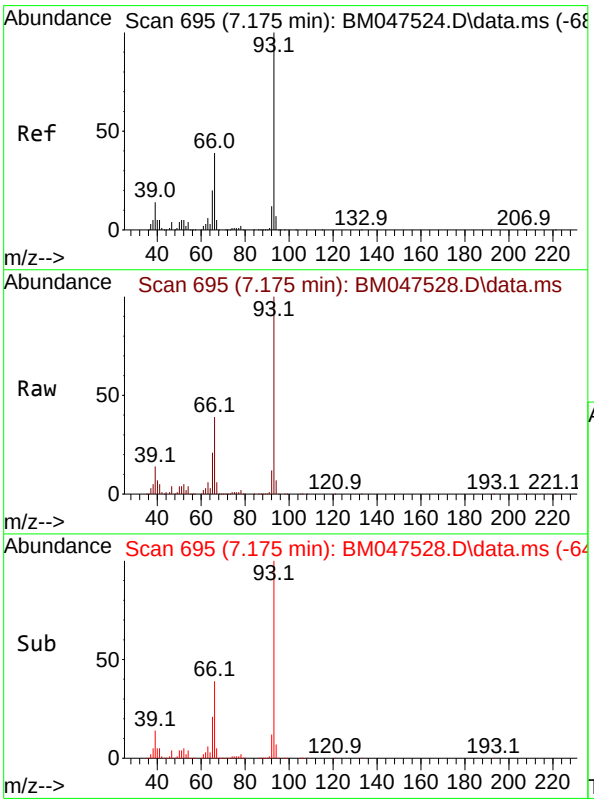
Ion	Ratio	Lower	Upper
112	100		
64	57.2	48.2	72.4
63	31.3	26.0	39.0

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations
APPROVED

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

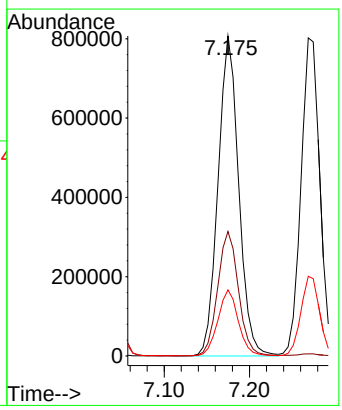


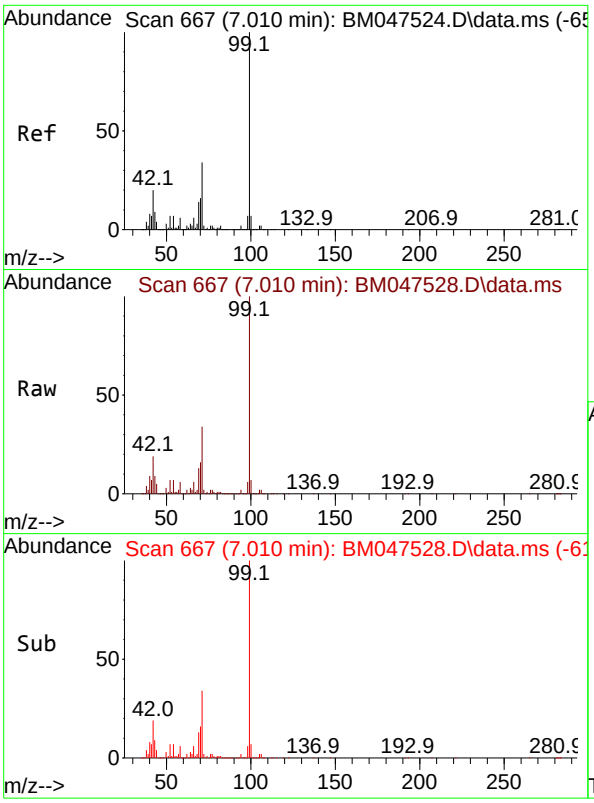


#6
Aniline
Concen: 40.075 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

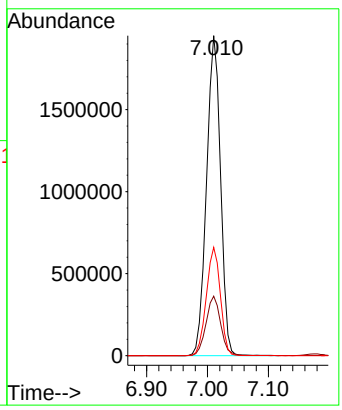




#7
Phenol-d6
Concen: 81.240 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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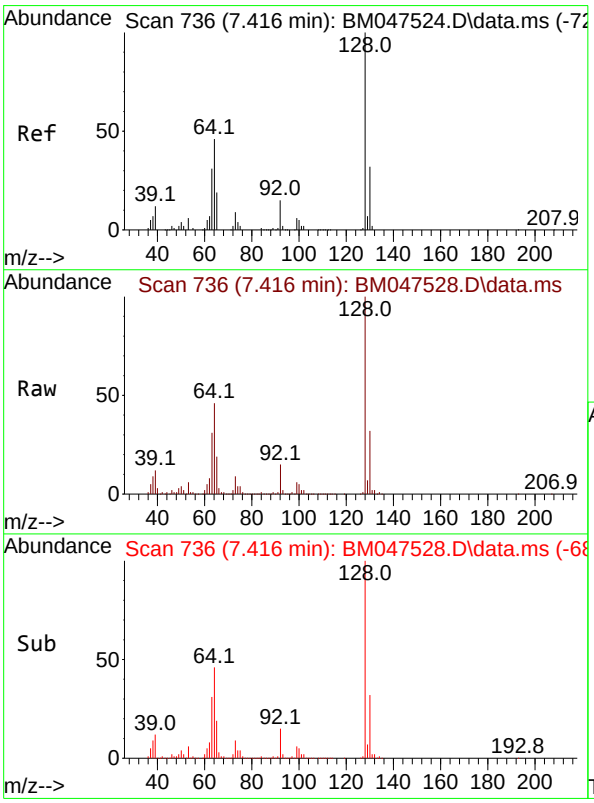
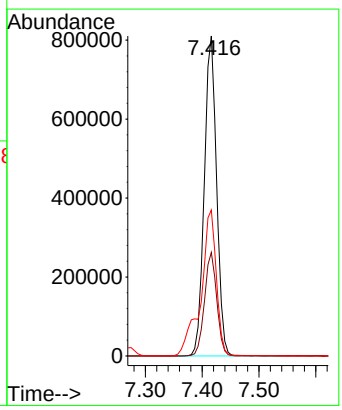
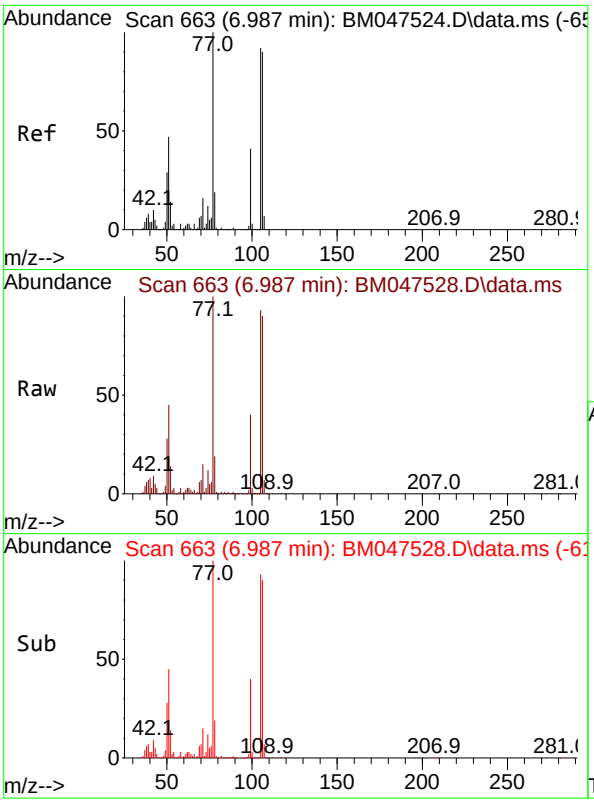


#8
2-Chlorophenol
Concen: 40.435 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

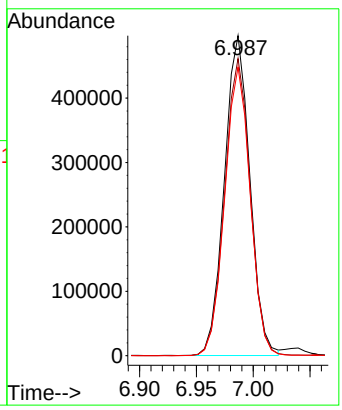




#9
Benzaldehyde
Concen: 42.604 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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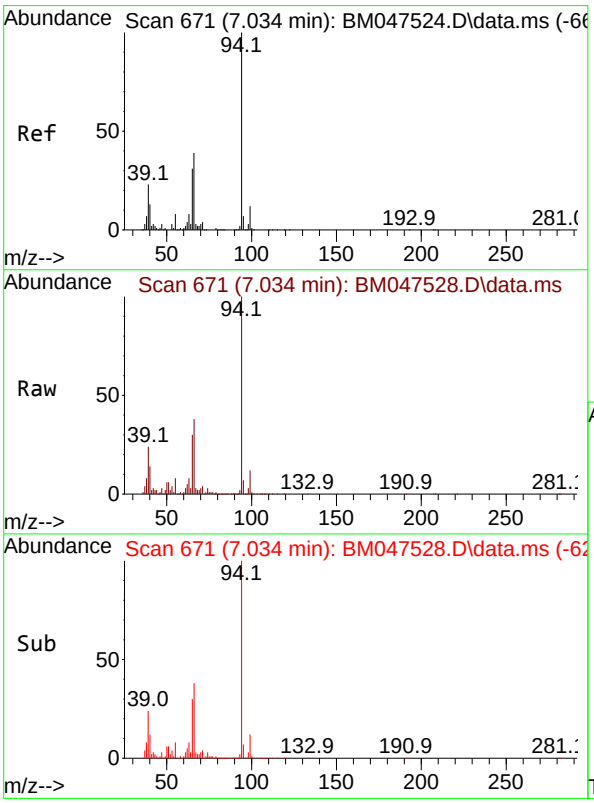
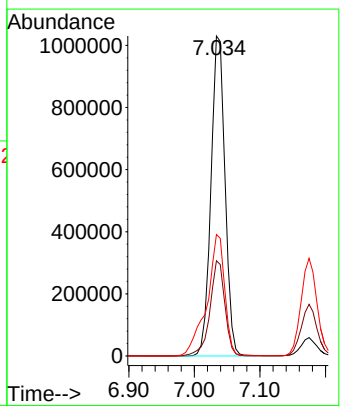
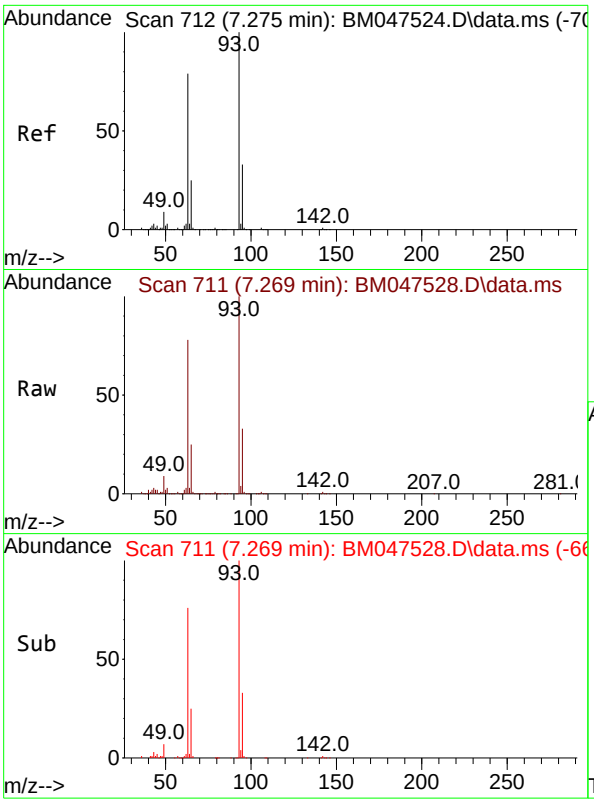


#10
Phenol
Concen: 40.068 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

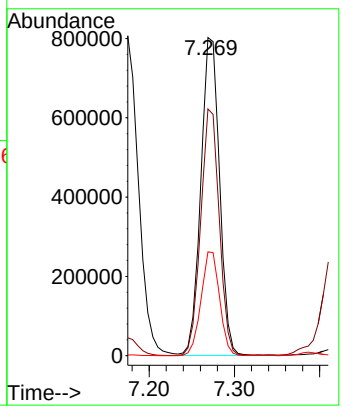




#11
bis(2-Chloroethyl)ether
Concen: 39.763 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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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ClientSampleId :
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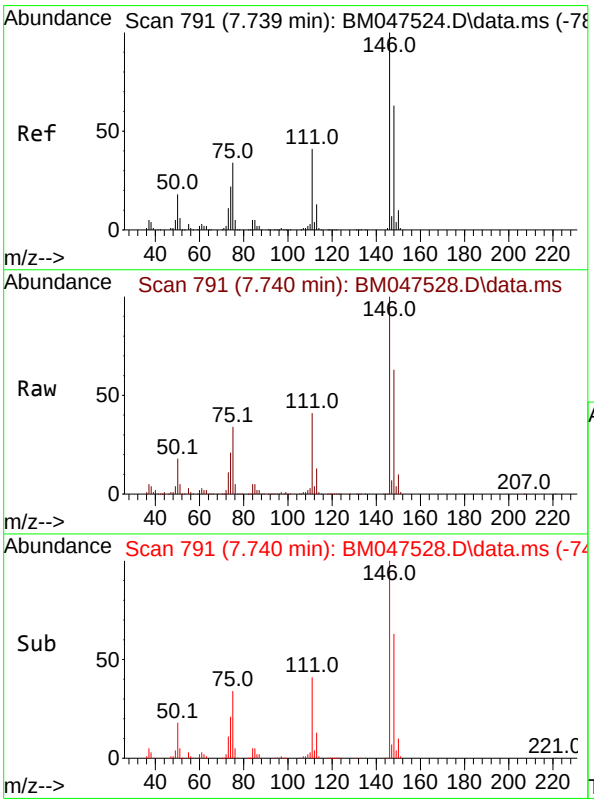
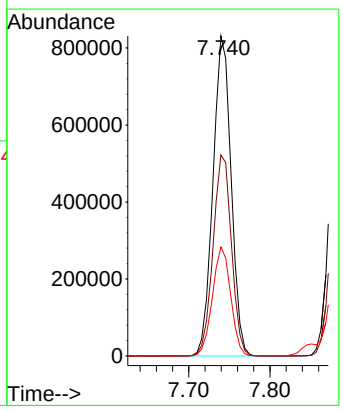
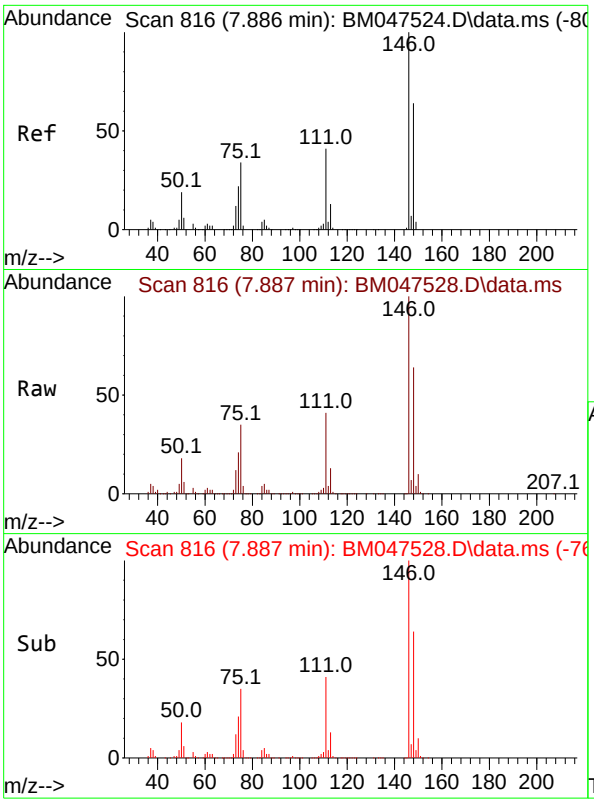


#12
1,3-Dichlorobenzene
Concen: 39.323 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

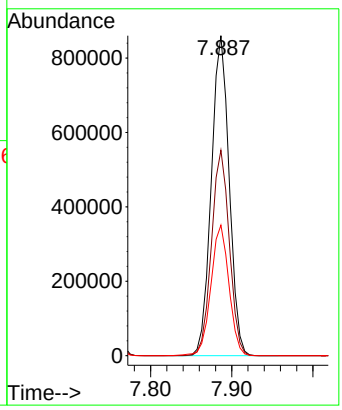




#13
1,4-Dichlorobenzene
Concen: 39.224 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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ClientSampleId :
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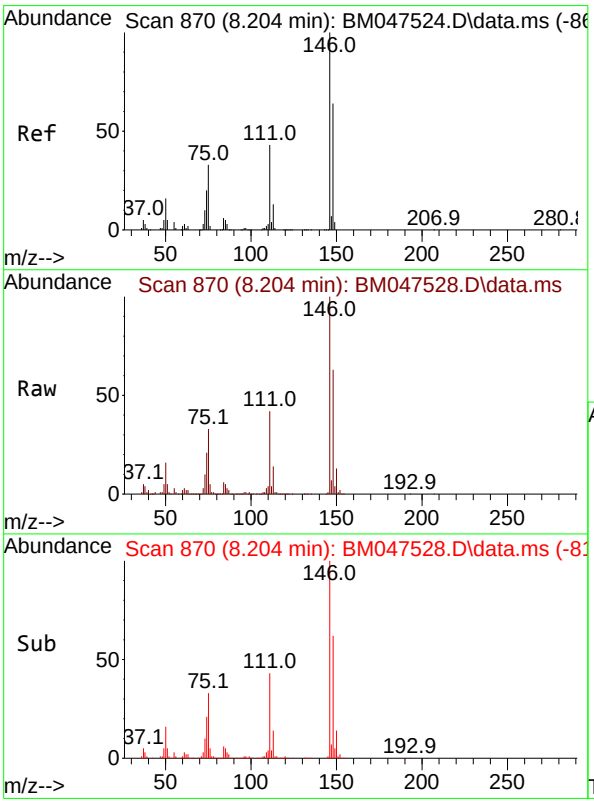
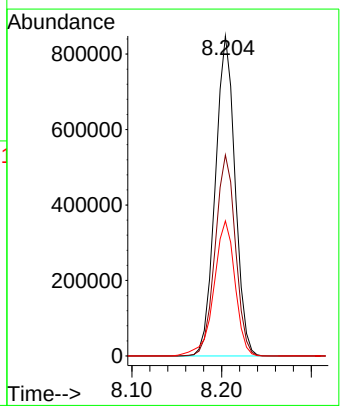
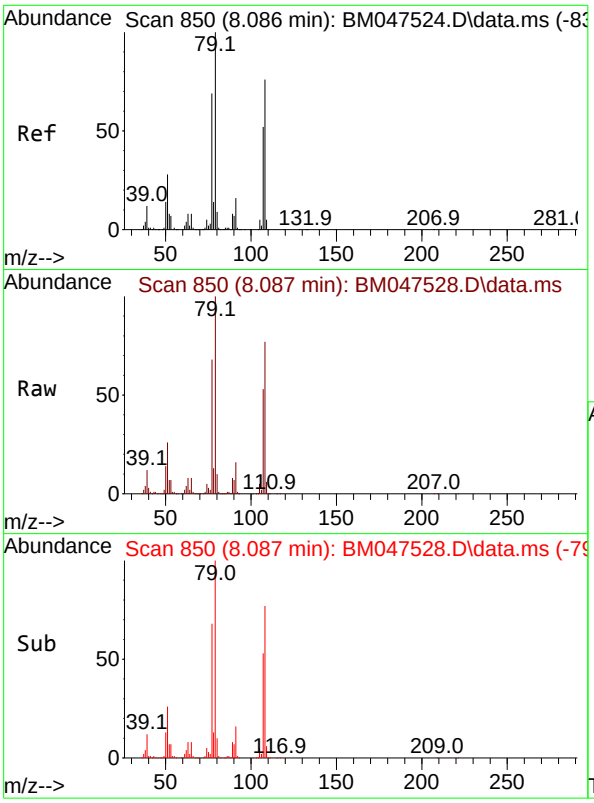


#14
1,2-Dichlorobenzene
Concen: 39.373 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

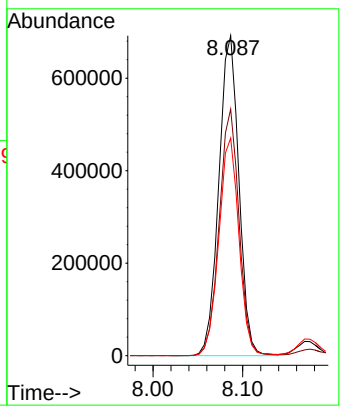




#15
Benzyl Alcohol
Concen: 41.322 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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ClientSampleId :
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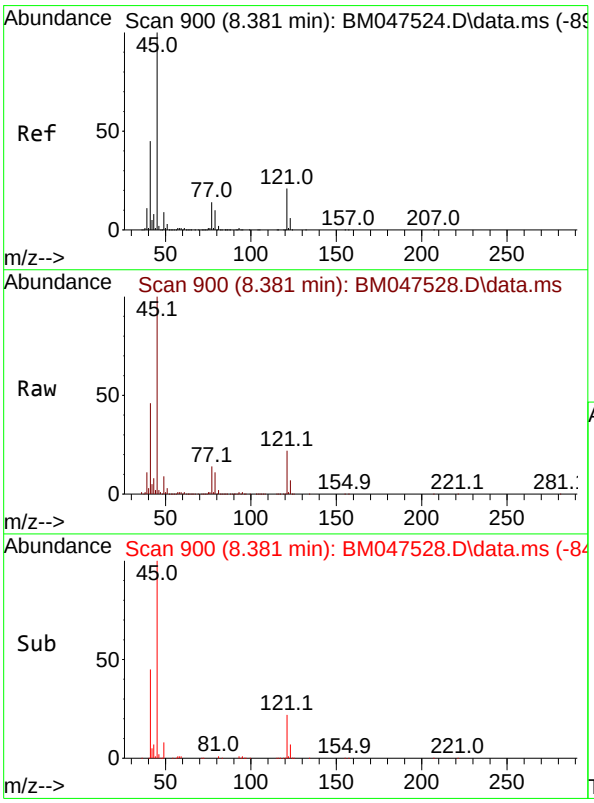
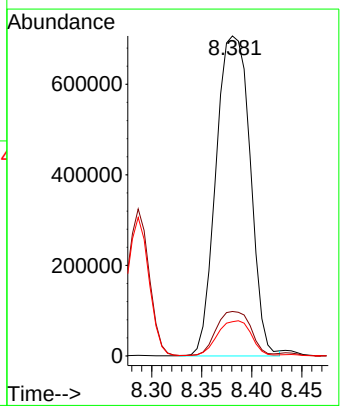
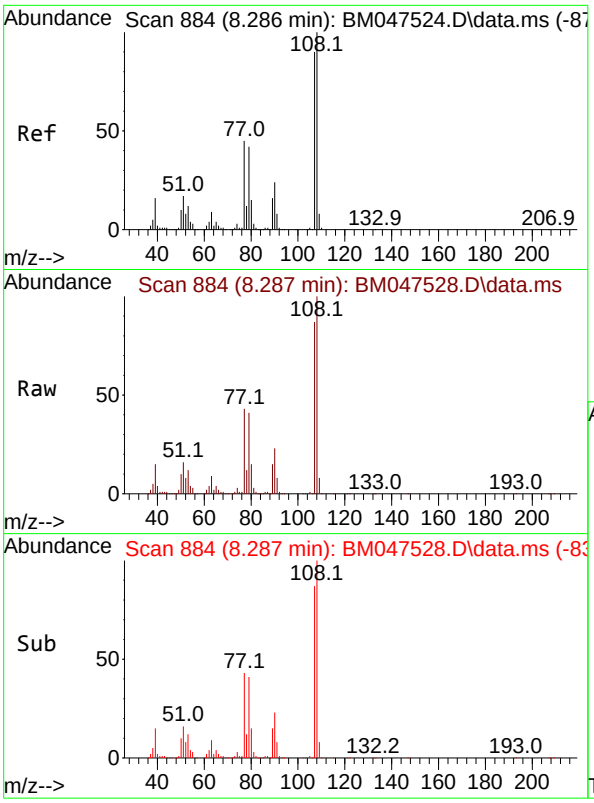


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.676 ng m
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

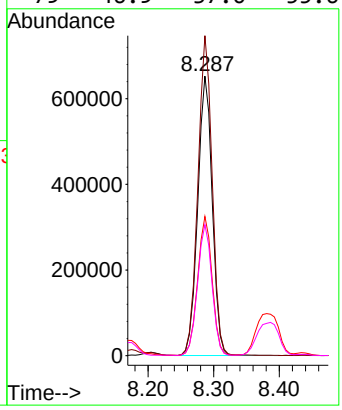




#17
2-Methylphenol
Concen: 40.947 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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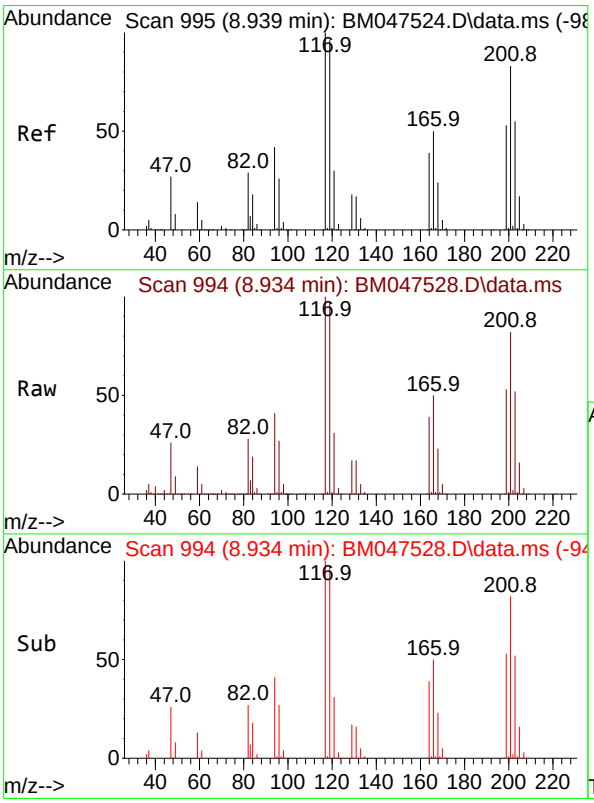
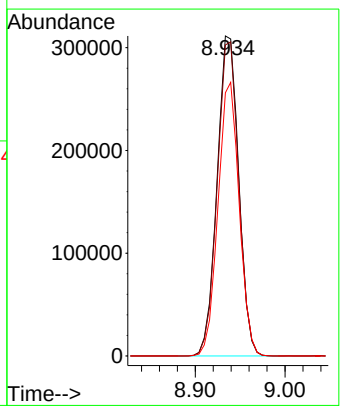
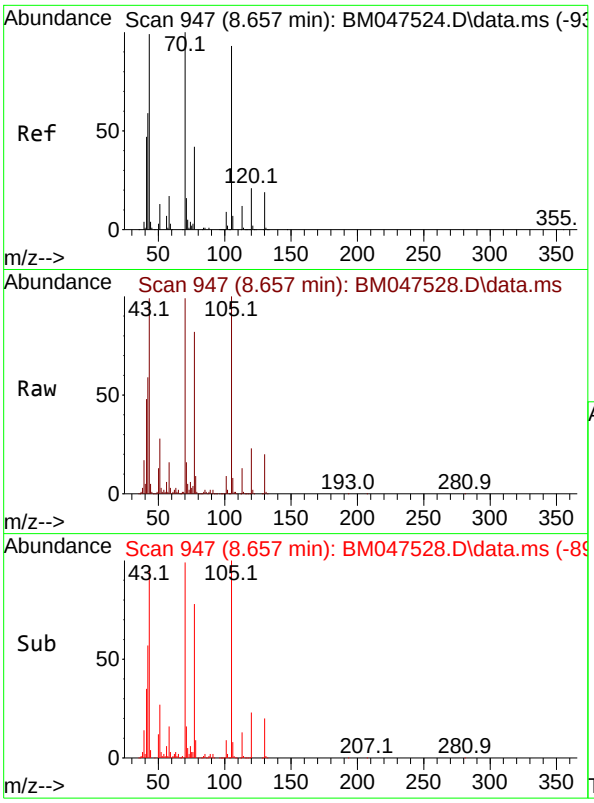


#18
Hexachloroethane
Concen: 39.026 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

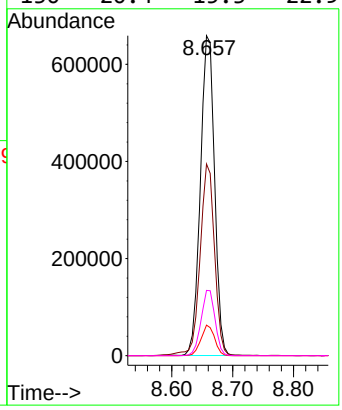




#19
n-Nitroso-di-n-propylamine
Concen: 41.297 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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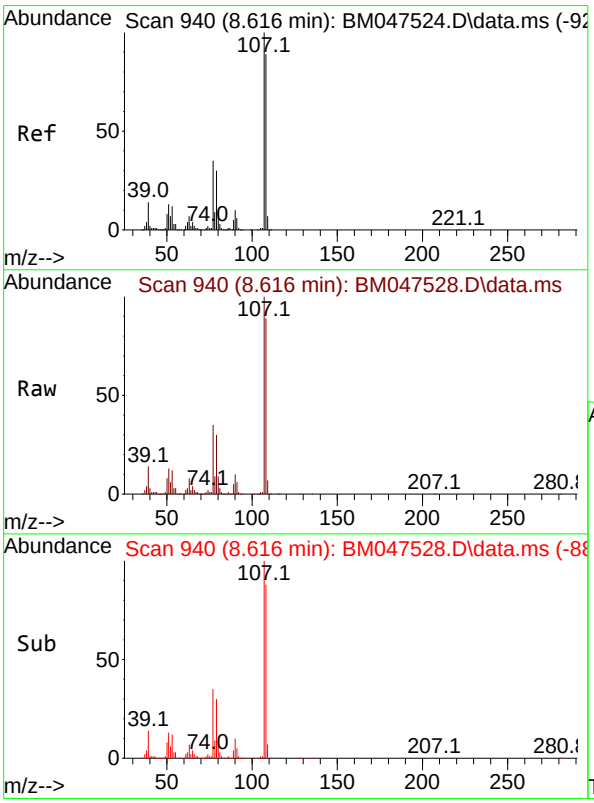
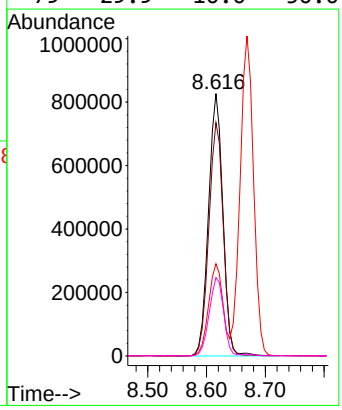
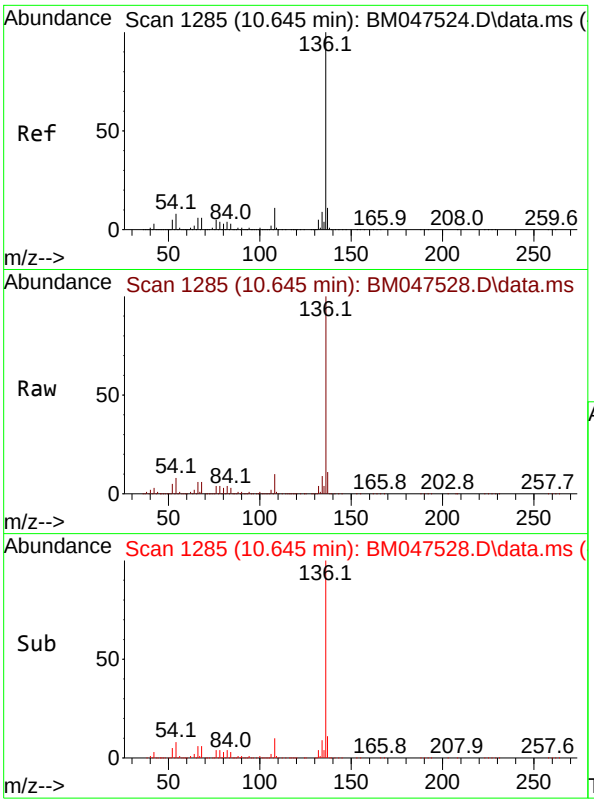


#20
3+4-Methylphenols
Concen: 41.091 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

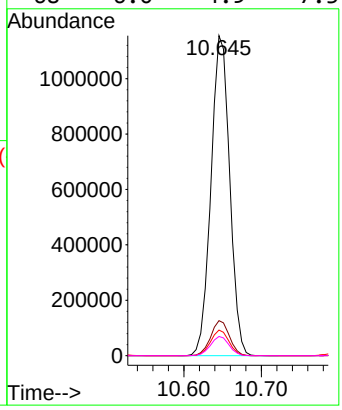




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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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ClientSampleId :
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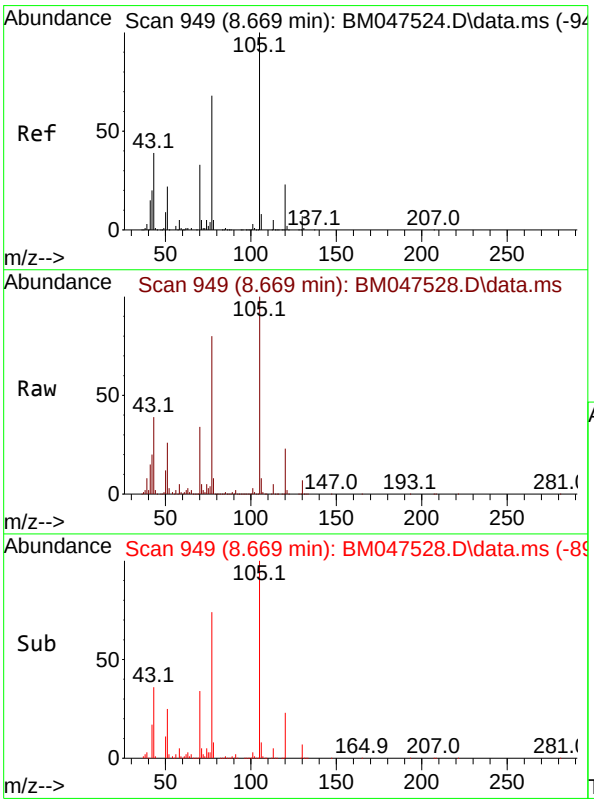
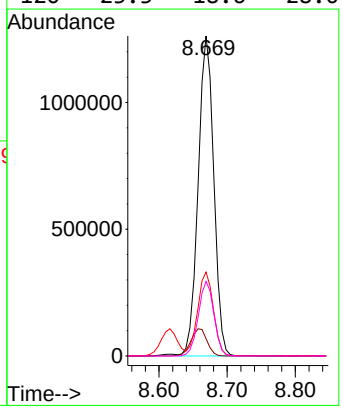
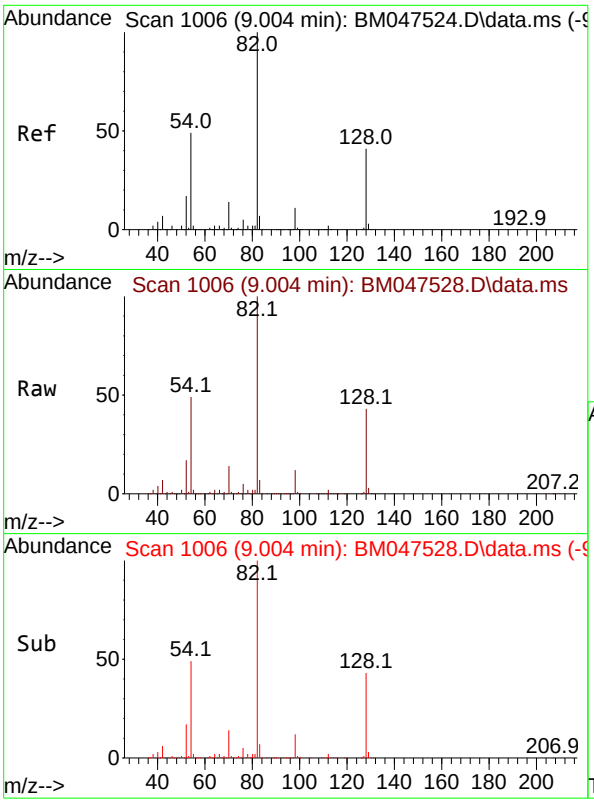


#22
Acetophenone
Concen: 39.445 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

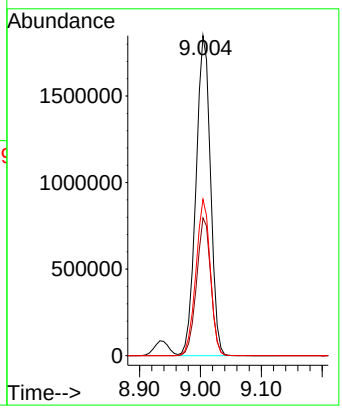




#23
Nitrobenzene-d5
Concen: 79.016 ng
RT: 9.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
ICVBM091424

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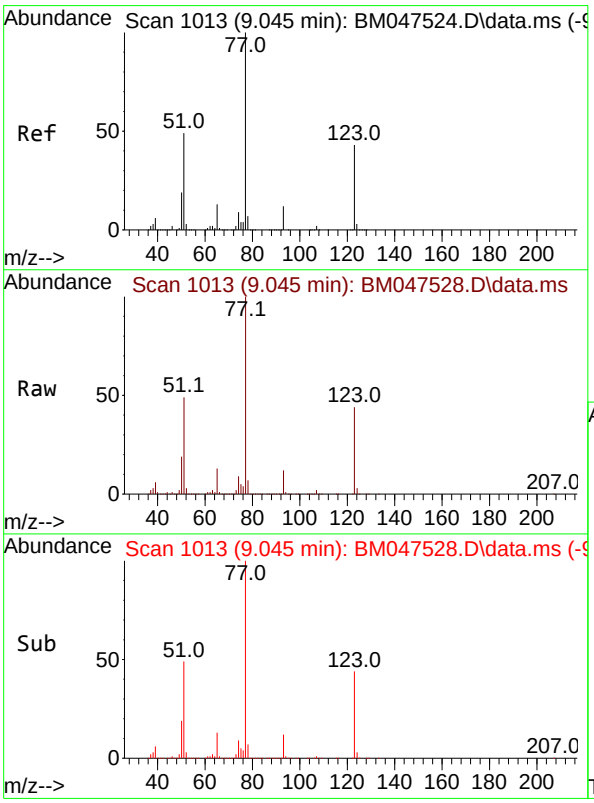
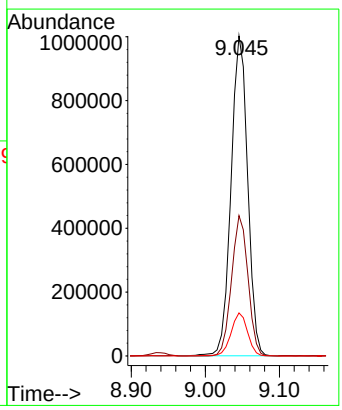
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

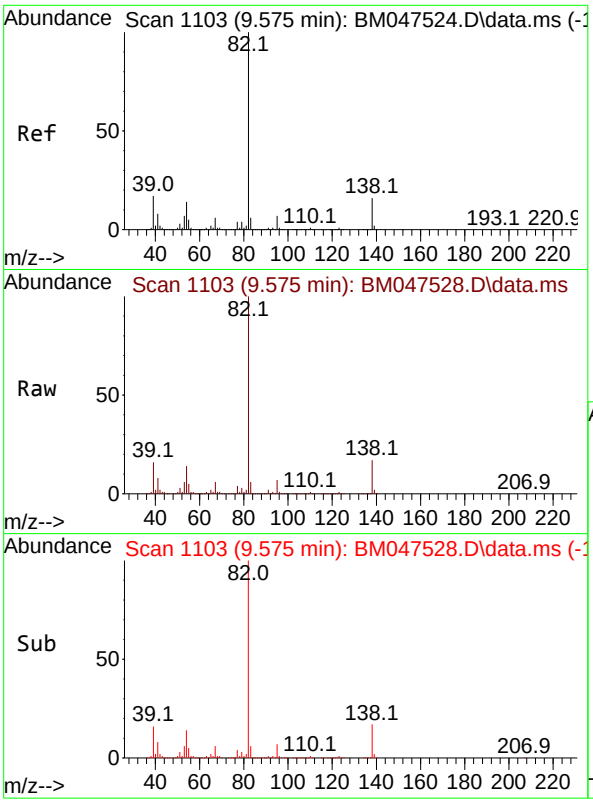


#24
Nitrobenzene
Concen: 39.215 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

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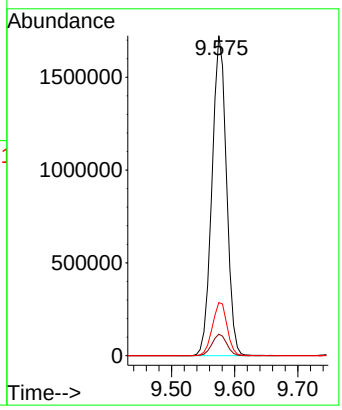
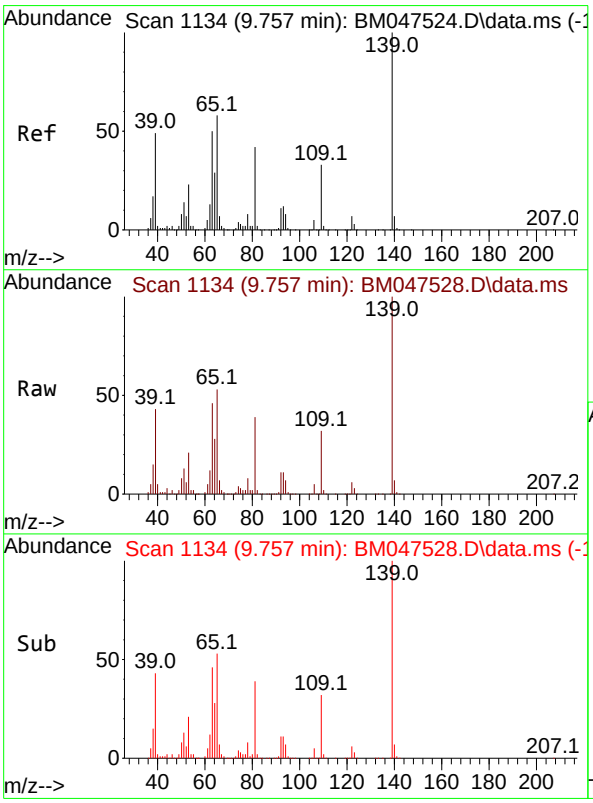
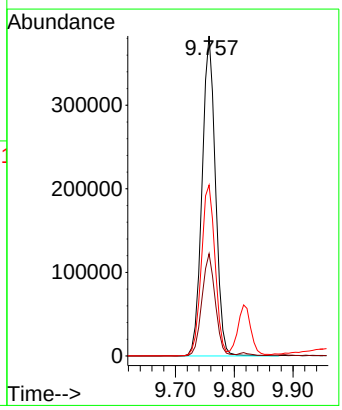


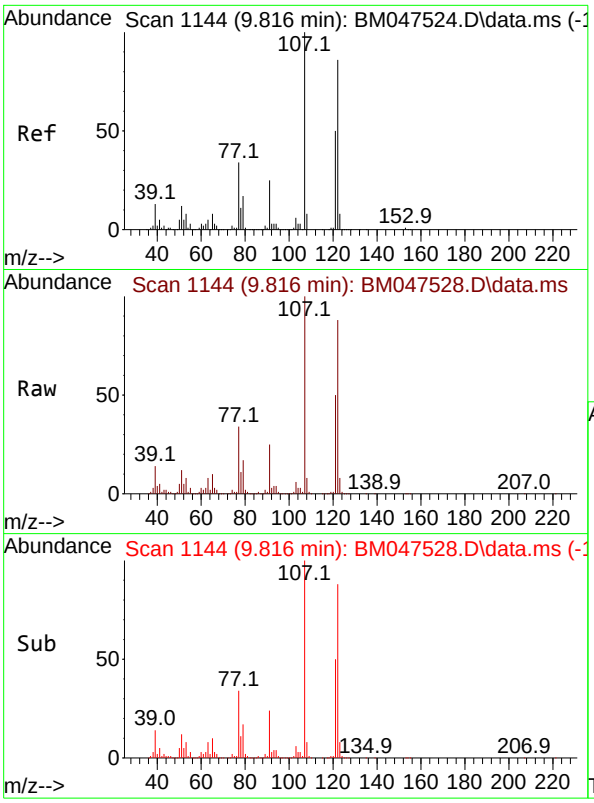


#26
2-Nitrophenol
Concen: 44.791 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

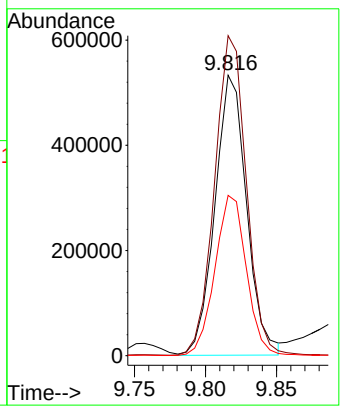




#27
2,4-Dimethylphenol
Concen: 40.331 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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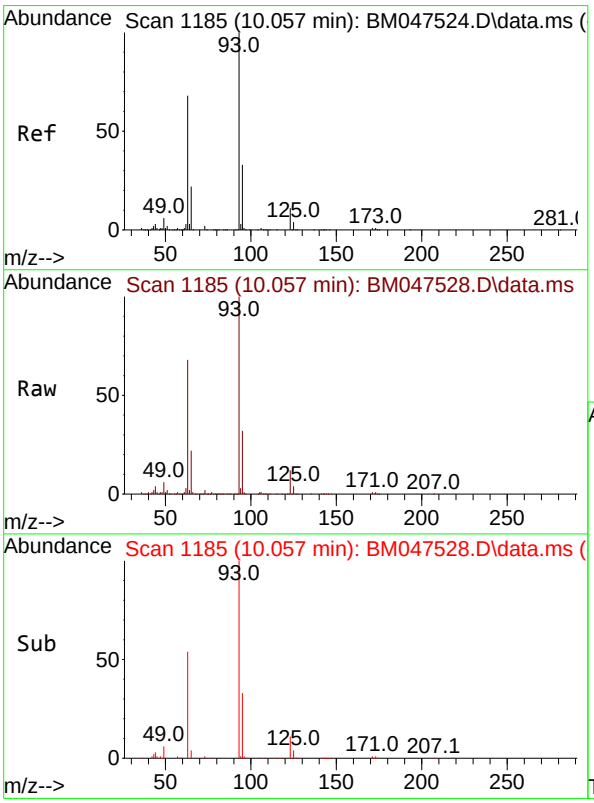
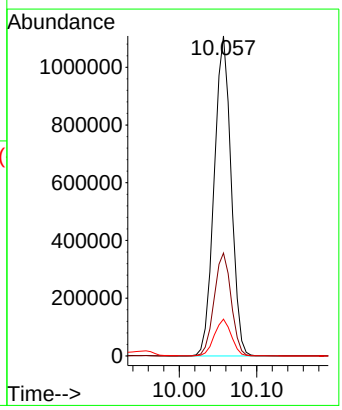
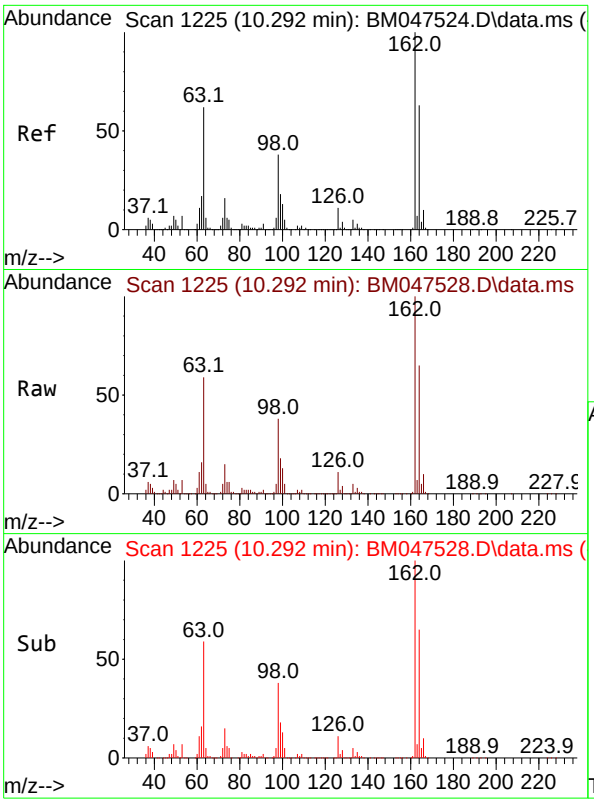


#28
bis(2-Chloroethoxy)methane
Concen: 39.457 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

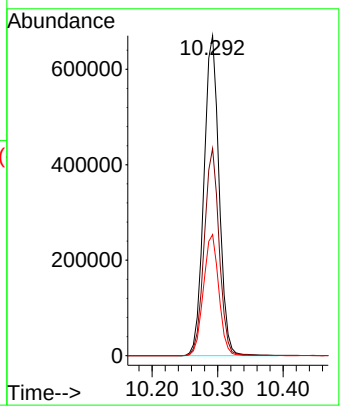




#29
2,4-Dichlorophenol
Concen: 41.509 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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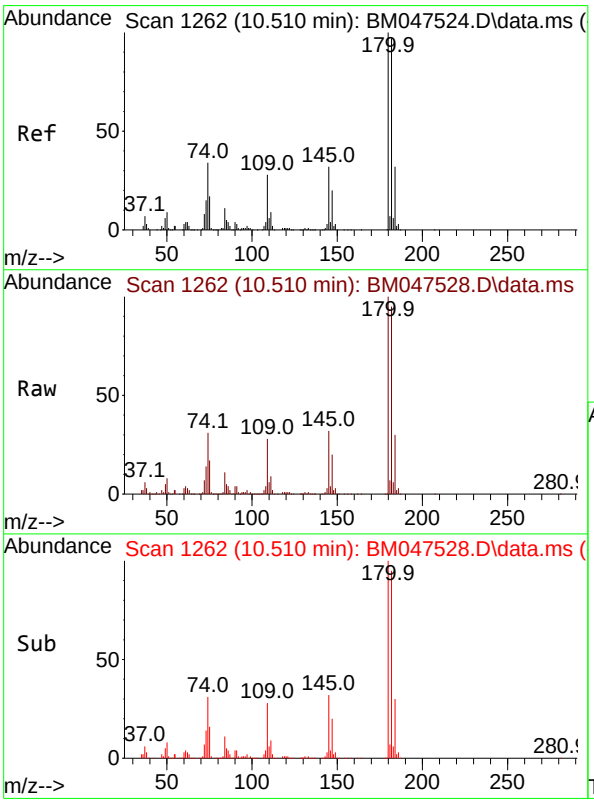
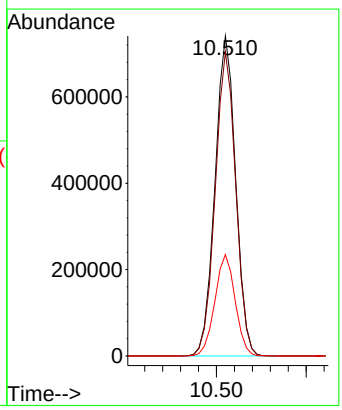
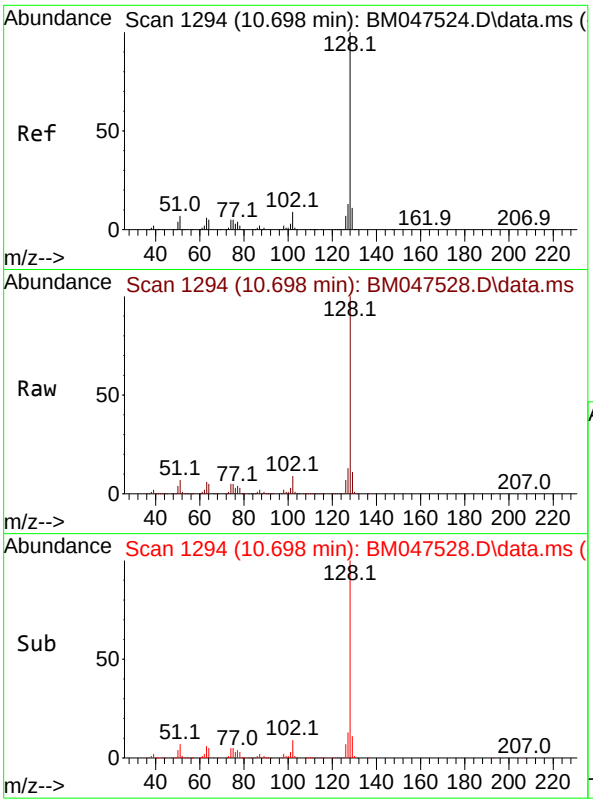


#30
1,2,4-Trichlorobenzene
Concen: 39.627 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

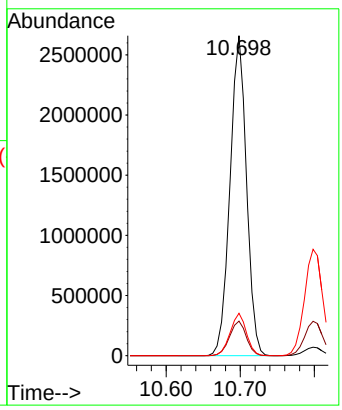




#31
Naphthalene
Concen: 39.330 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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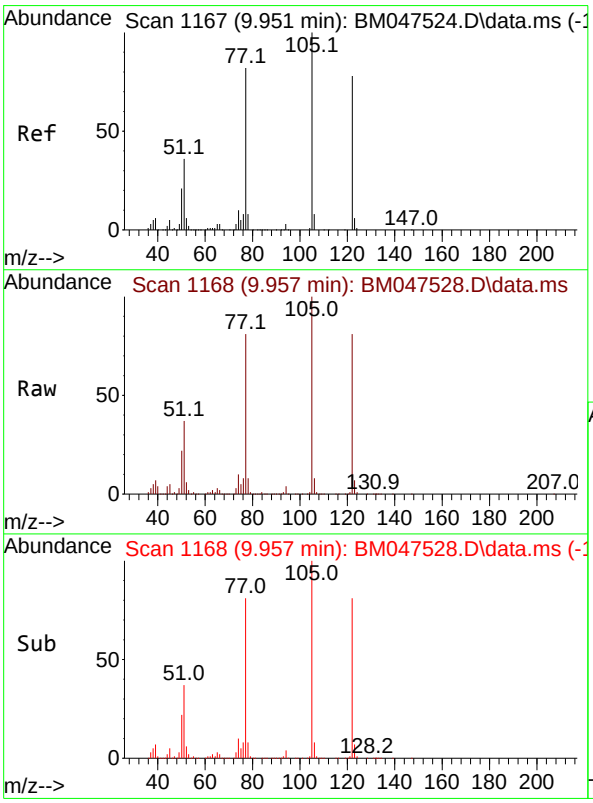
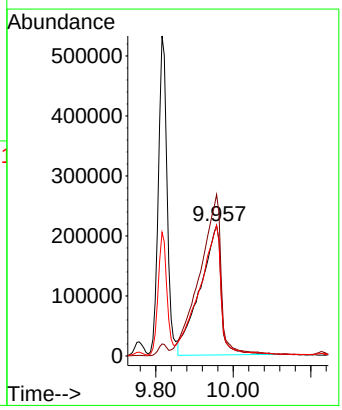
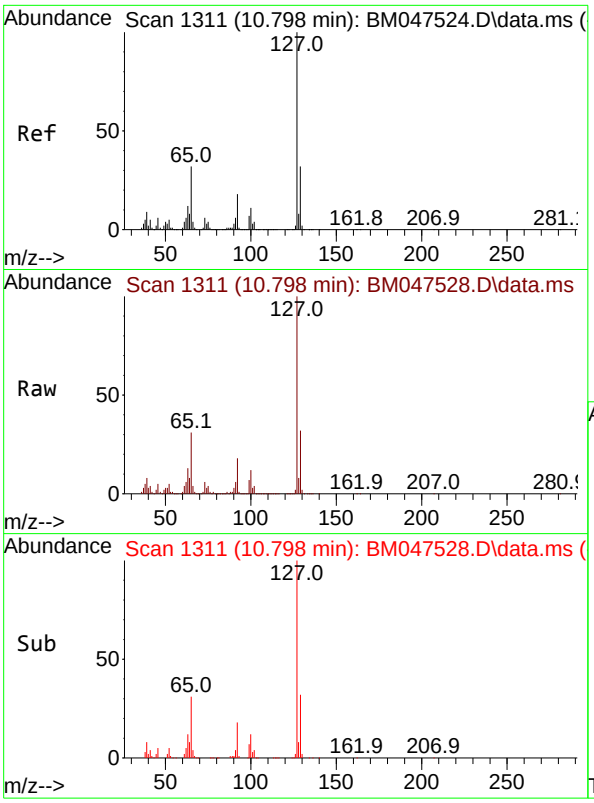


#32
Benzoic acid
Concen: 41.565 ng
RT: 9.957 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

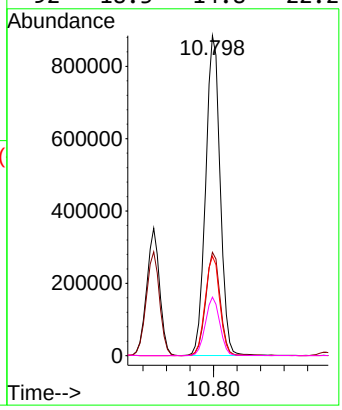




#33
4-Chloroaniline
Concen: 40.157 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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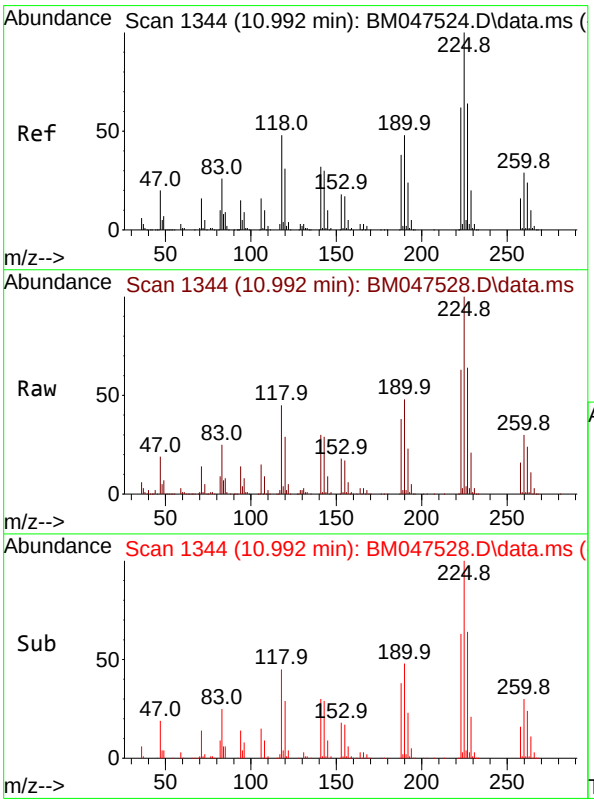
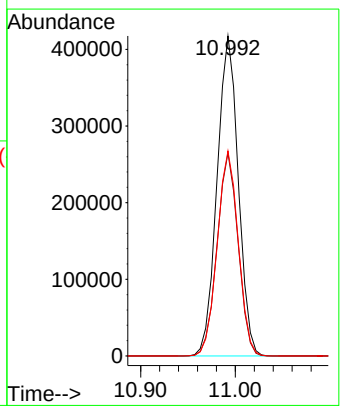
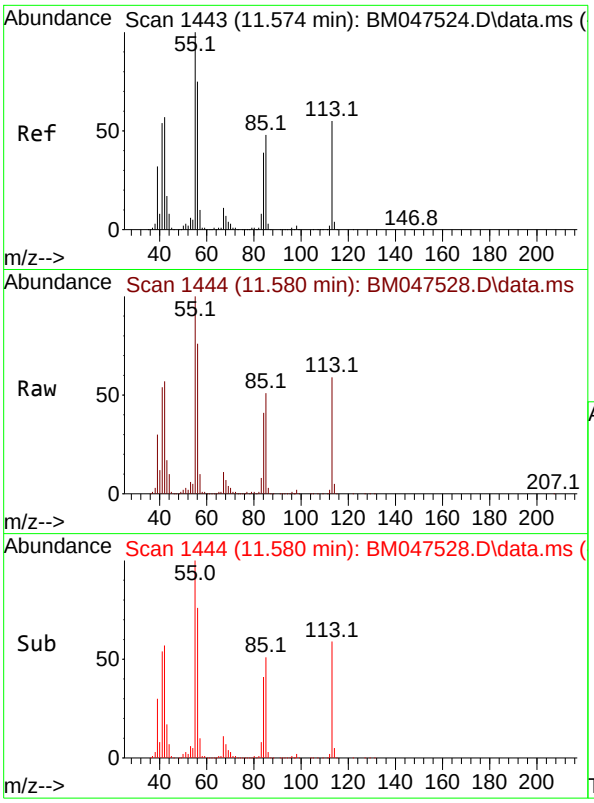


#34
Hexachlorobutadiene
Concen: 39.303 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

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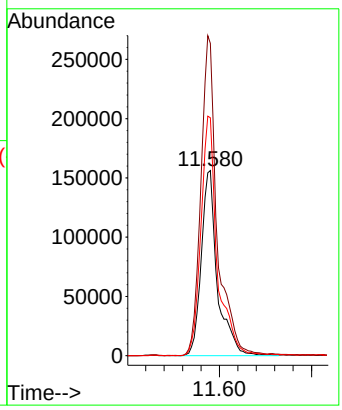
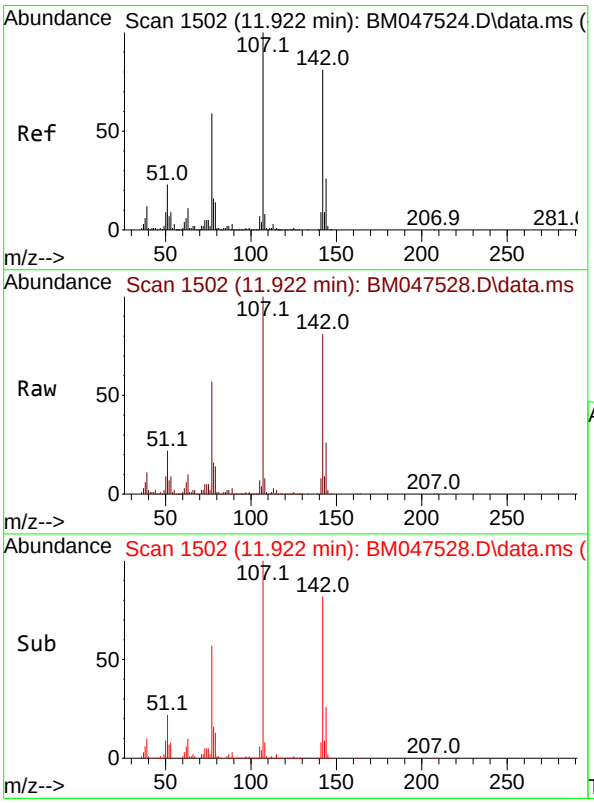
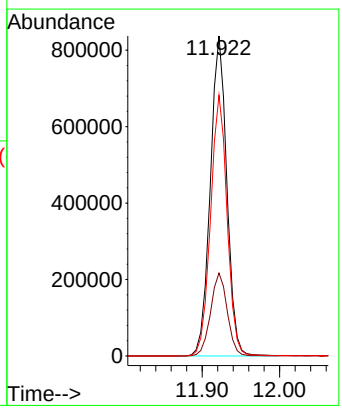


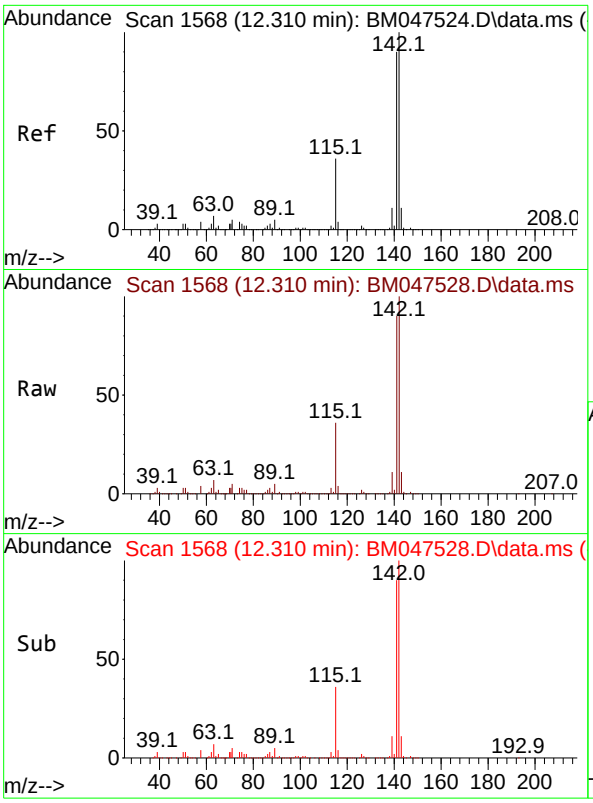


#36
4-Chloro-3-methylphenol
Concen: 41.503 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

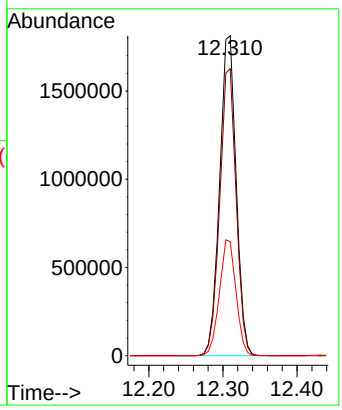




#37
2-Methylnaphthalene
Concen: 40.287 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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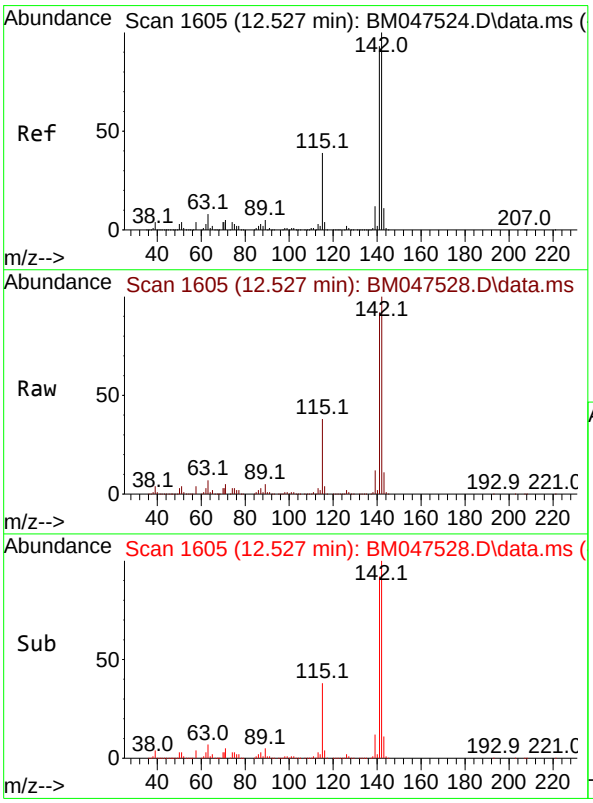
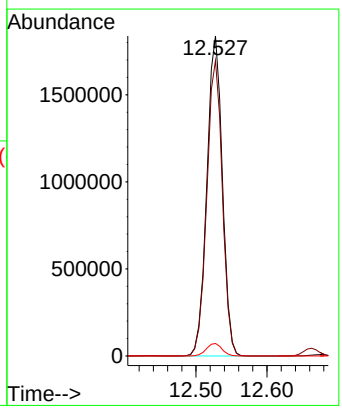
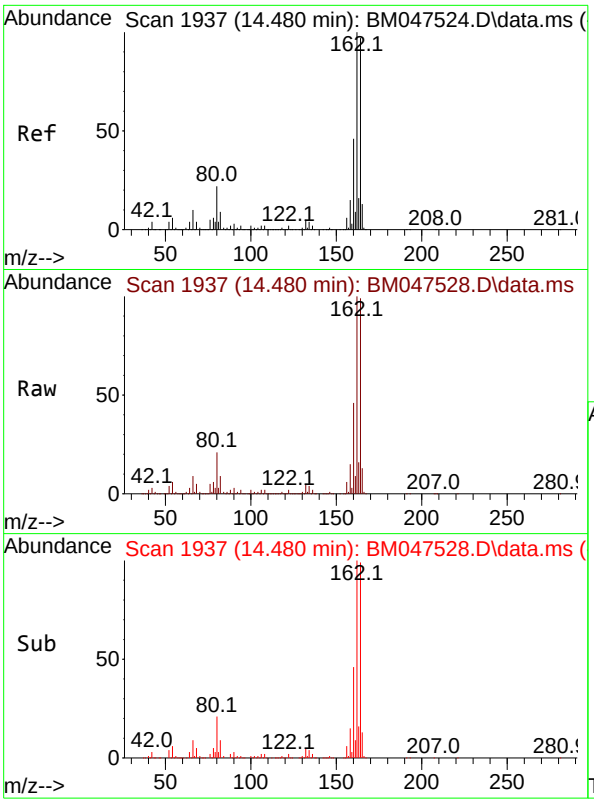


#38
1-Methylnaphthalene
Concen: 40.366 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

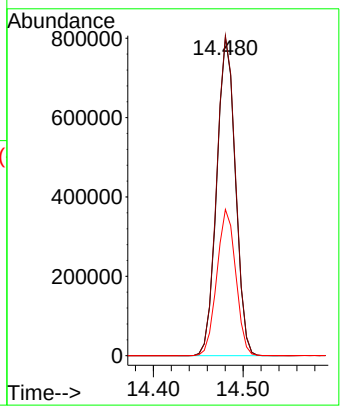




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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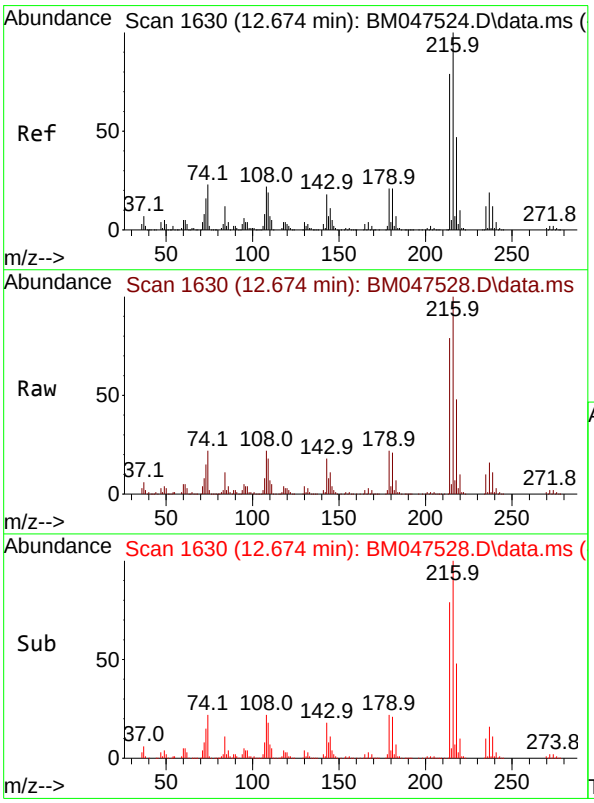
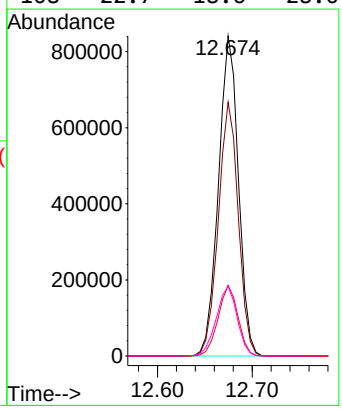
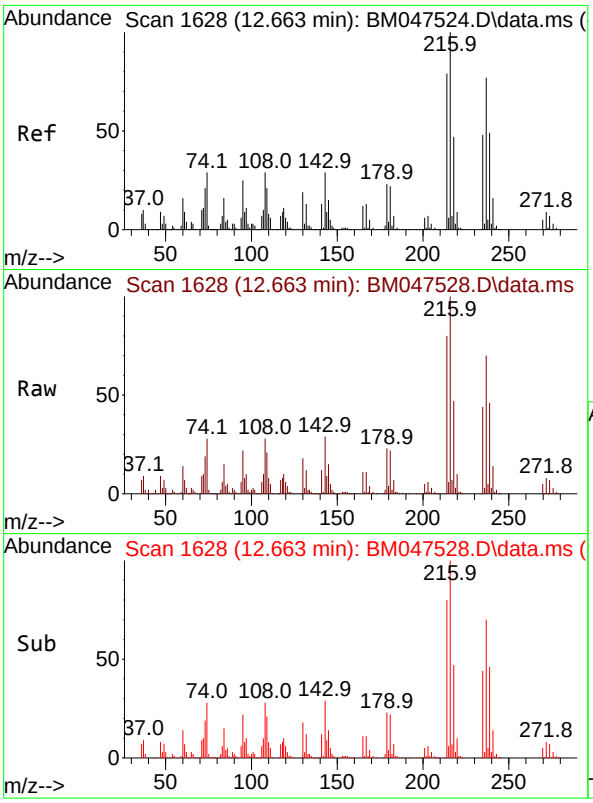


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.423 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

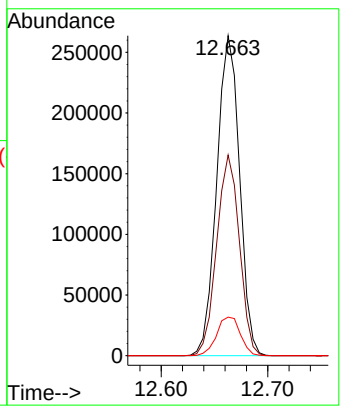




#41
Hexachlorocyclopentadiene
Concen: 38.330 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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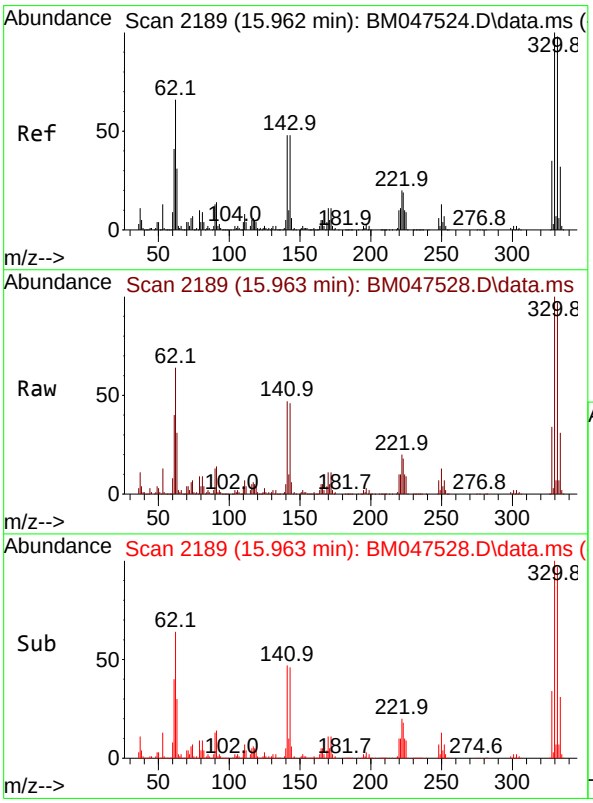
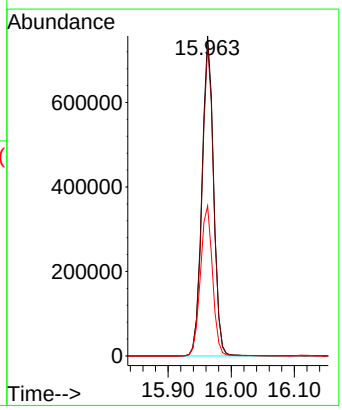
Supervised By :mohammad ahmed 09/17/2024

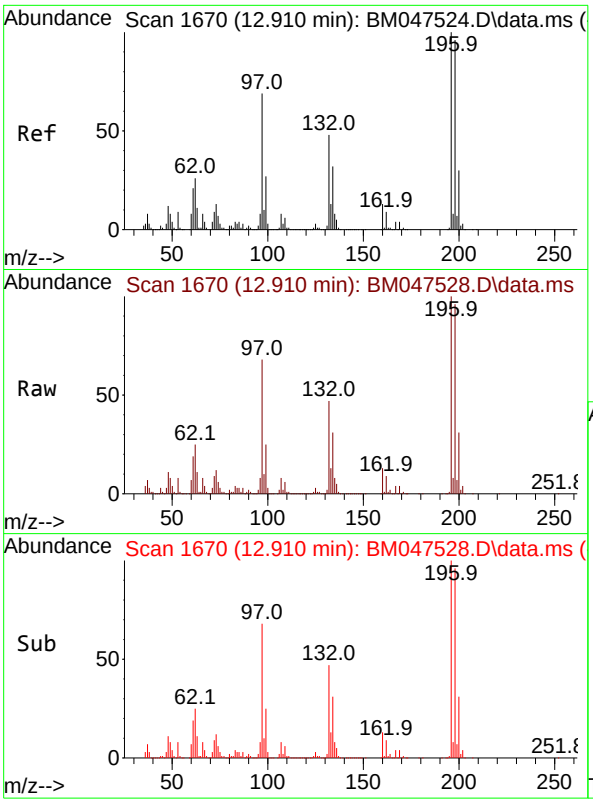


#42
2,4,6-Tribromophenol
Concen: 86.666 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

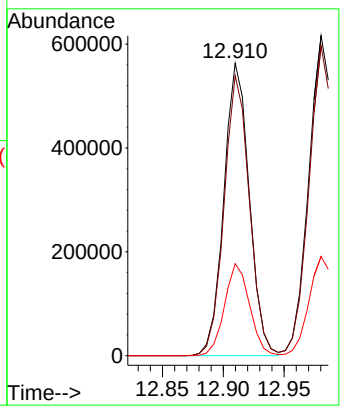




#43
2,4,6-Trichlorophenol
Concen: 41.805 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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ClientSampleId :
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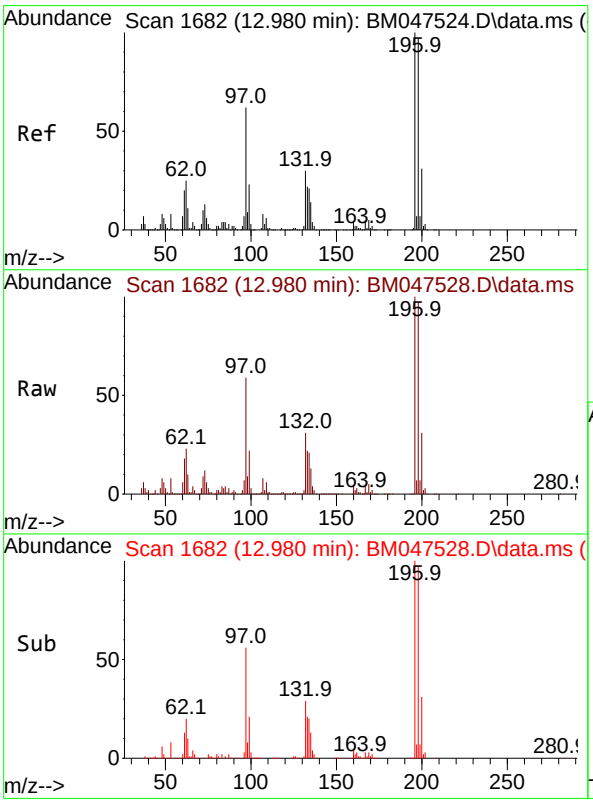
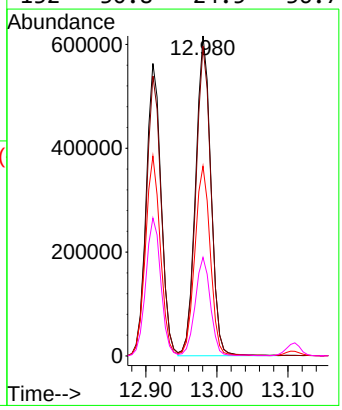
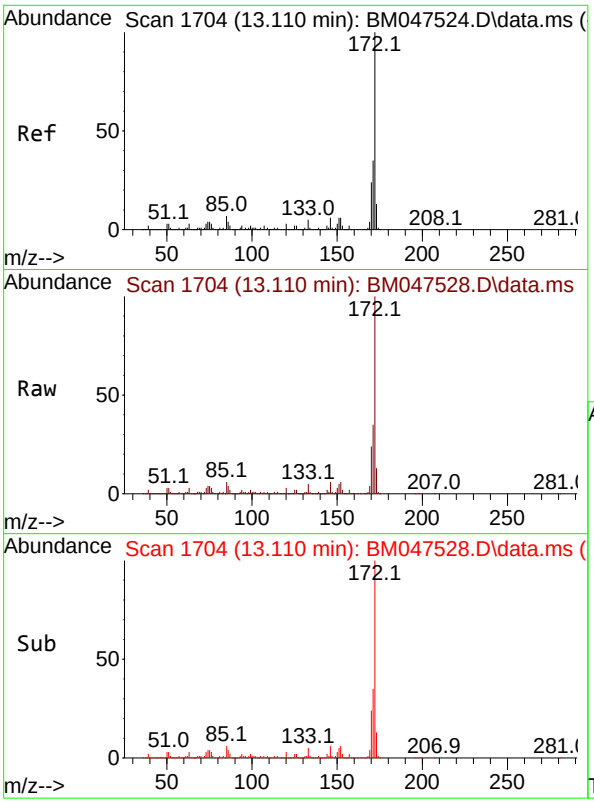


#44
2,4,5-Trichlorophenol
Concen: 41.595 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

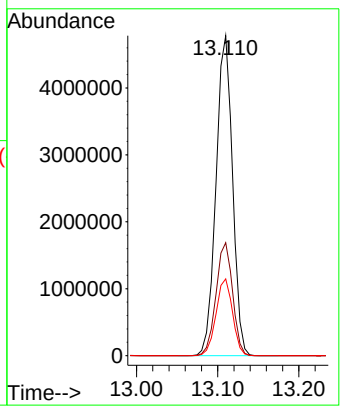




#45
2-Fluorobiphenyl
Concen: 80.575 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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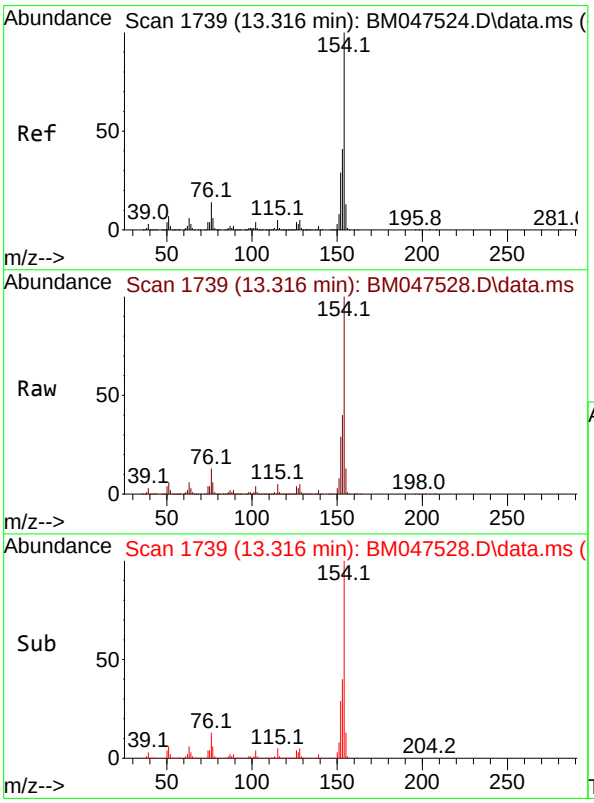
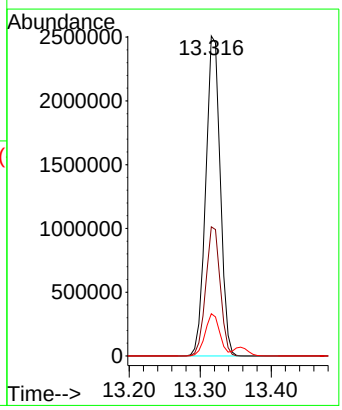
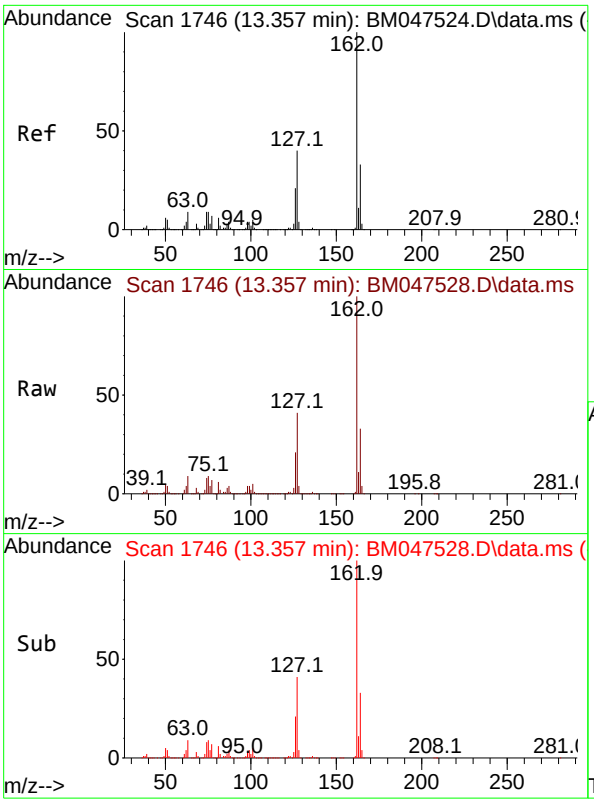


#46
1,1'-Biphenyl
Concen: 39.616 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

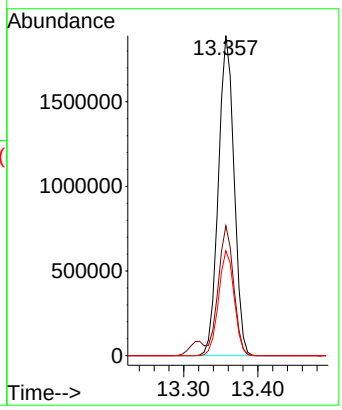




#47
2-Chloronaphthalene
Concen: 39.789 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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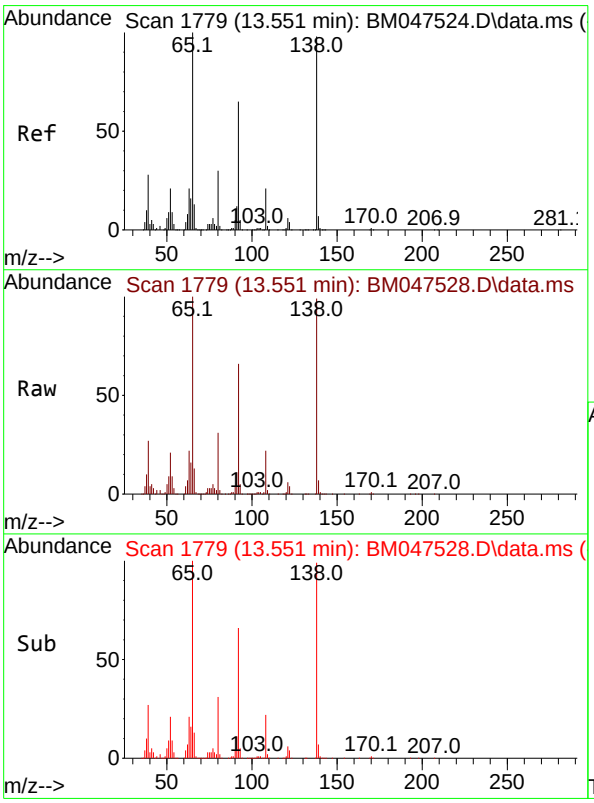
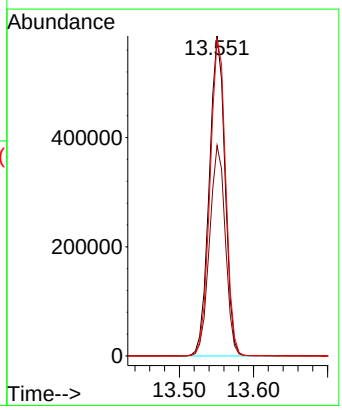
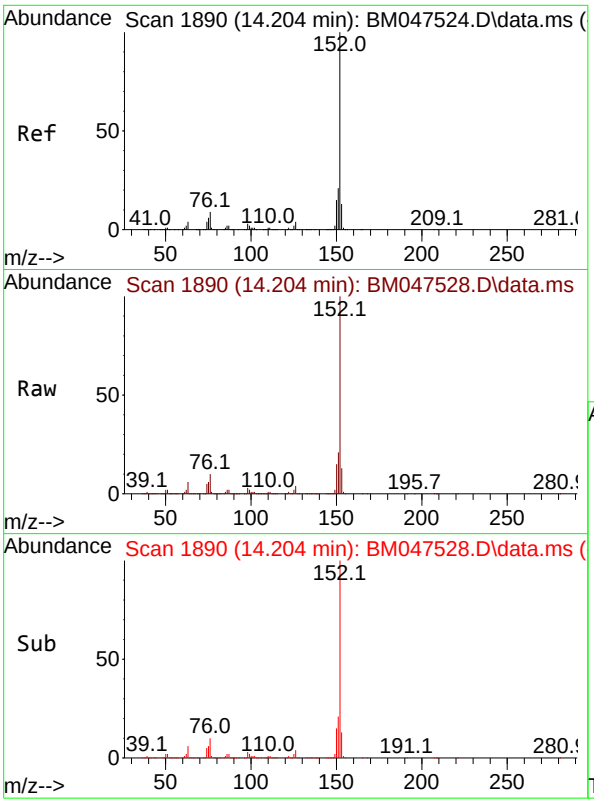


#48
2-Nitroaniline
Concen: 42.070 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

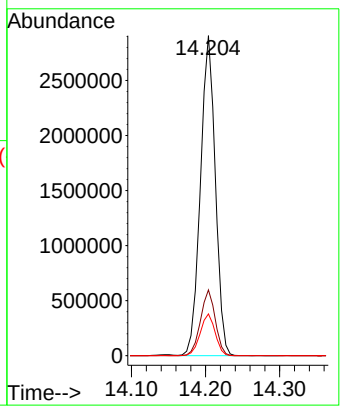




#49
Acenaphthylene
Concen: 40.313 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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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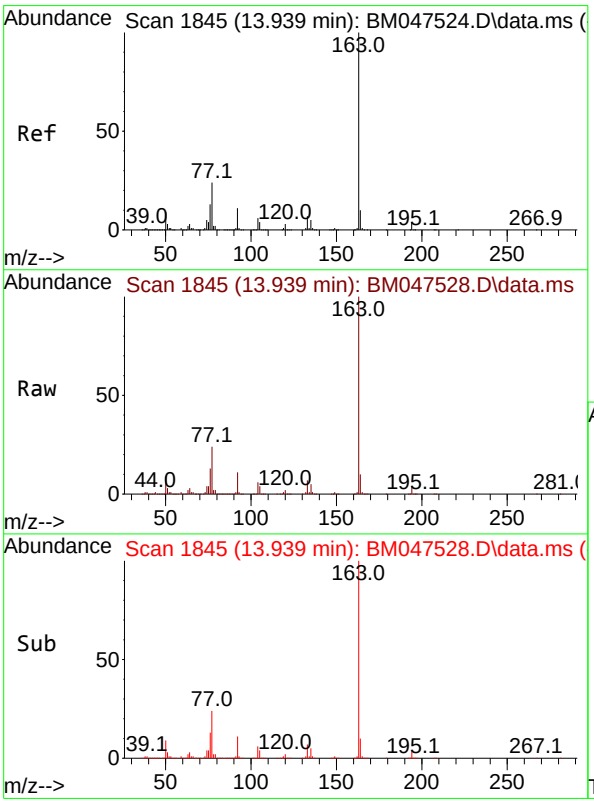
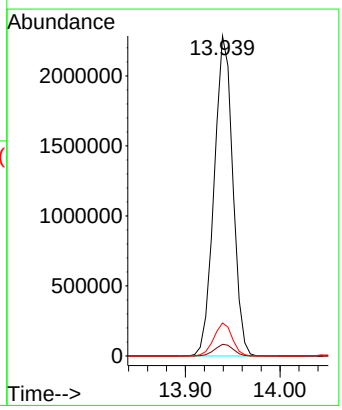
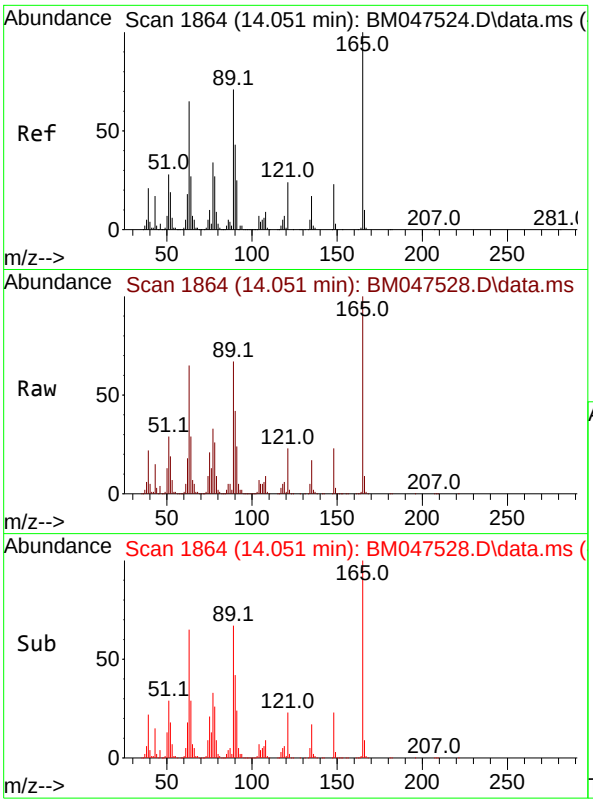


#50
Dimethylphthalate
Concen: 39.733 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

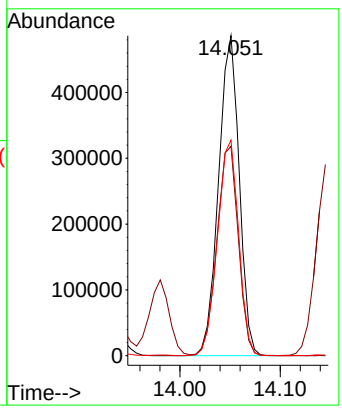




#51
2,6-Dinitrotoluene
Concen: 41.664 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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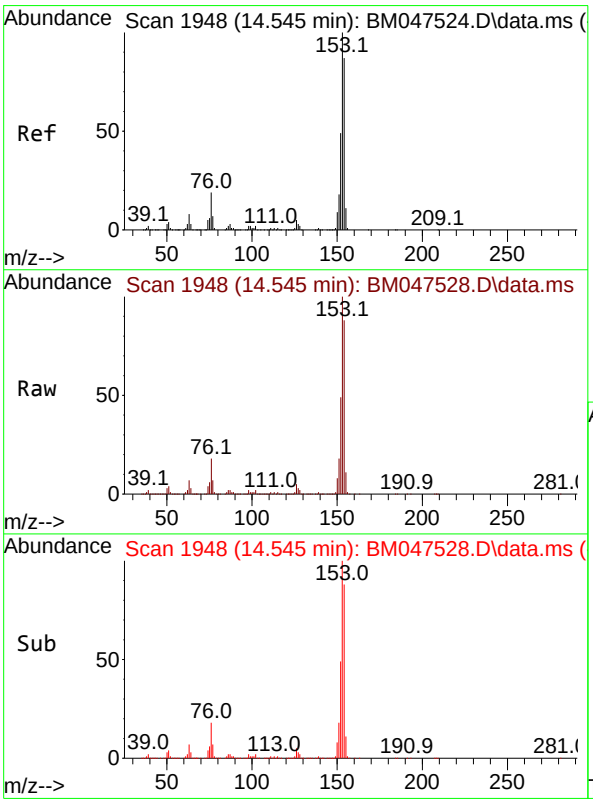
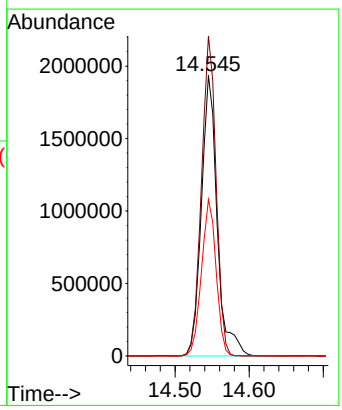
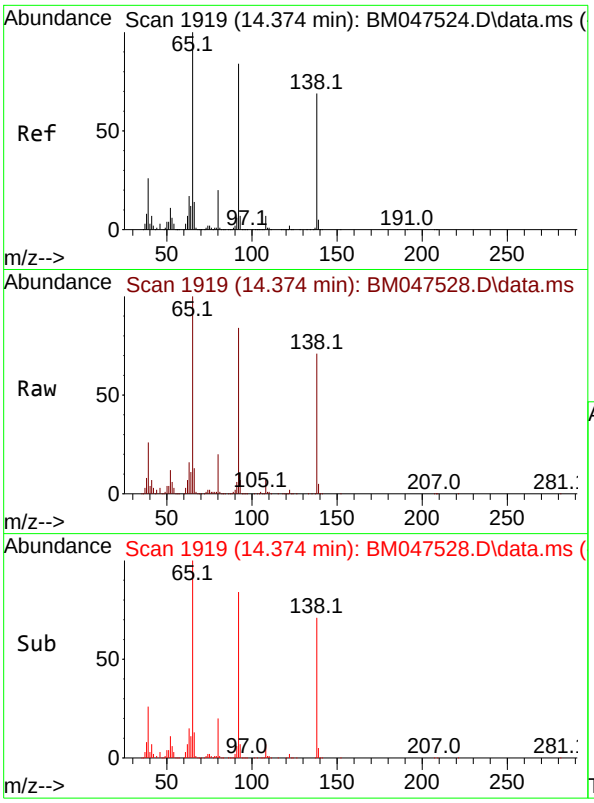


#52
Acenaphthene
Concen: 40.442 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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ClientSampleId :
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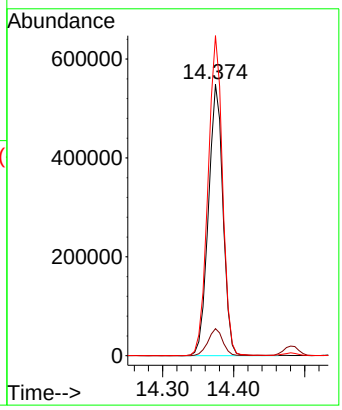
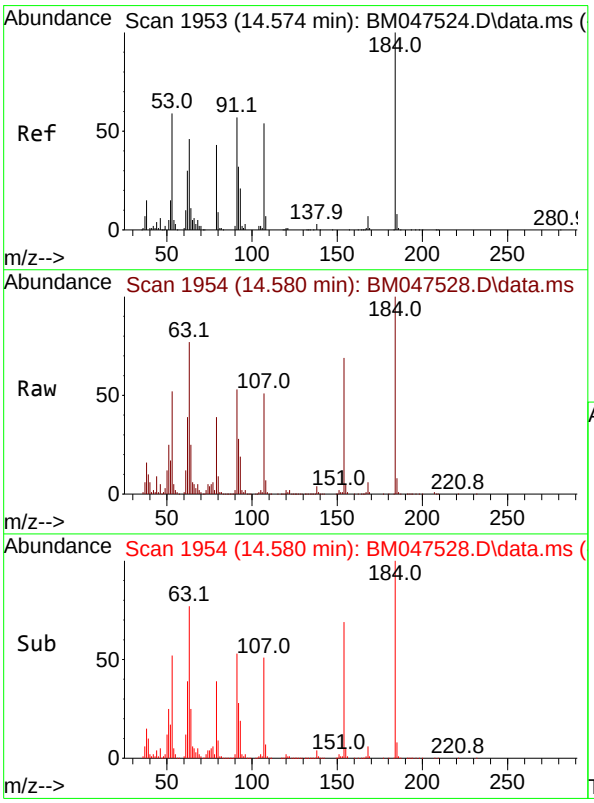
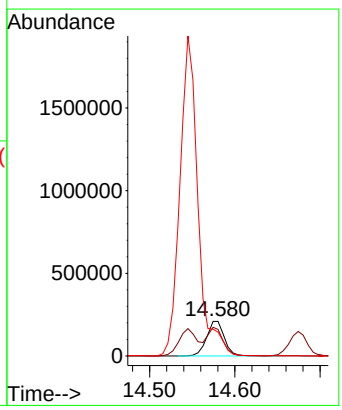


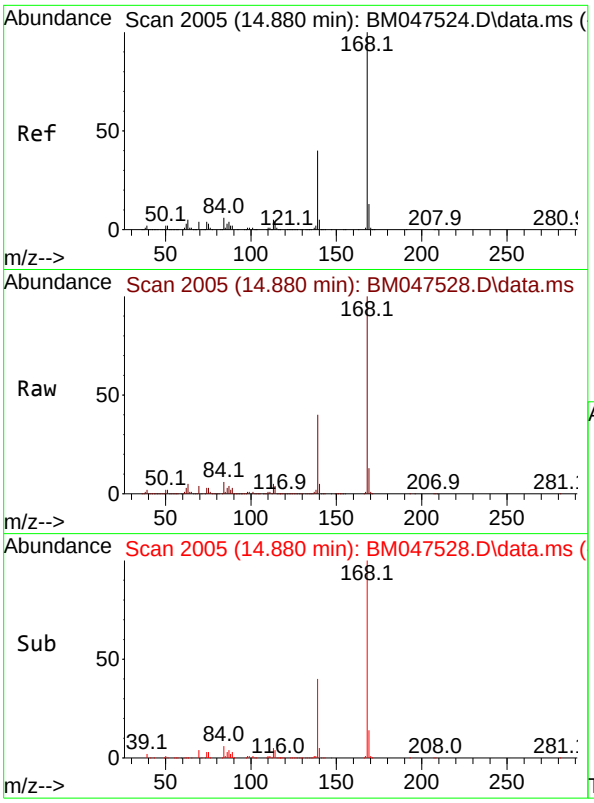


#54
2,4-Dinitrophenol
Concen: 41.320 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

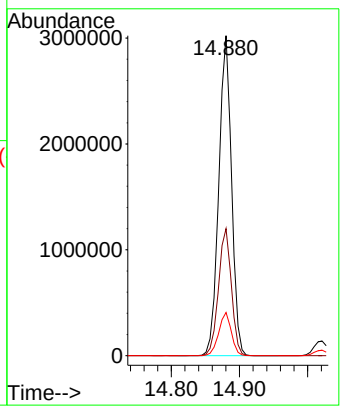




#55
Dibenzofuran
Concen: 39.603 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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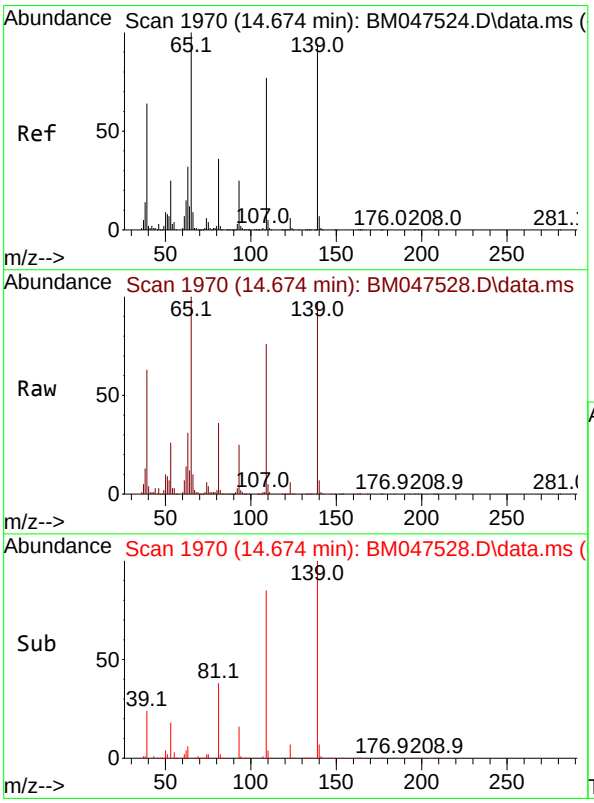
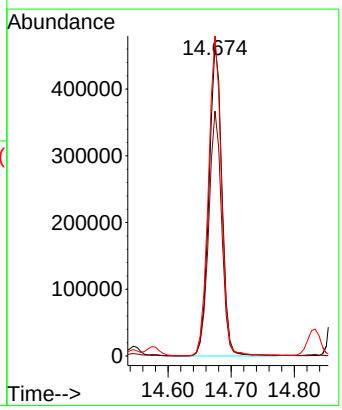
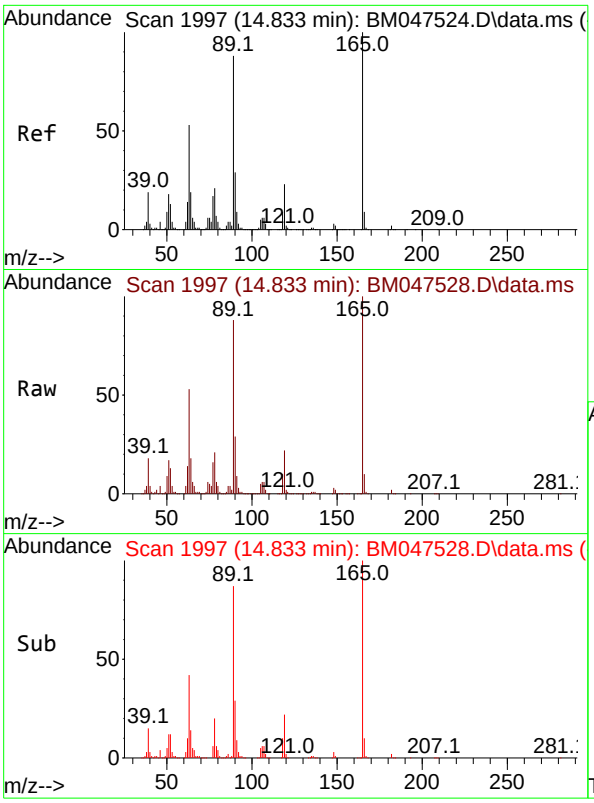


#56
4-Nitrophenol
Concen: 43.814 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

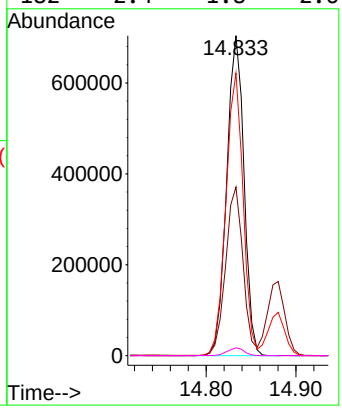




#57
2,4-Dinitrotoluene
Concen: 42.569 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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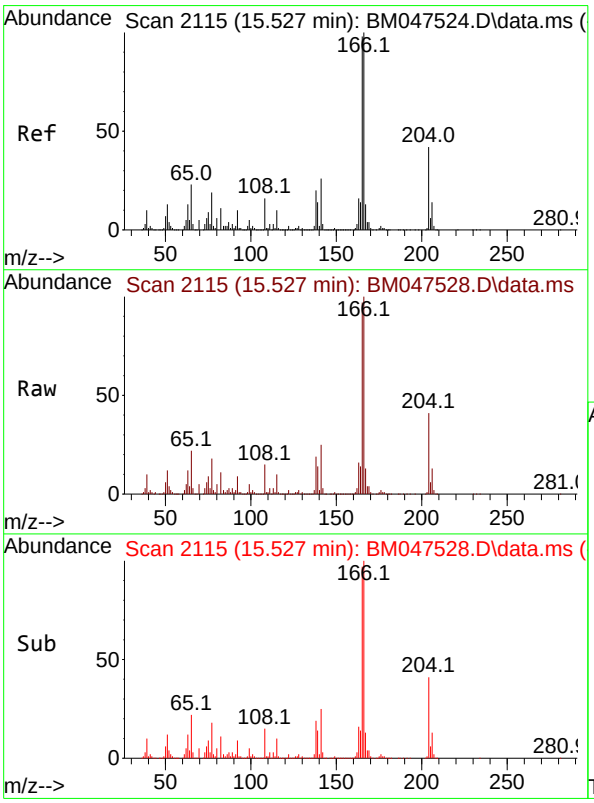
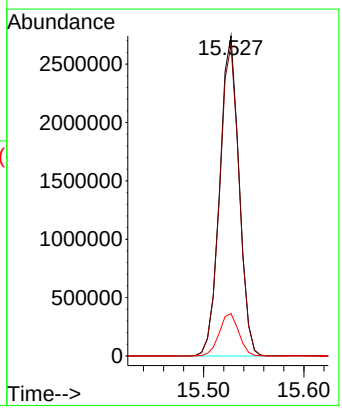
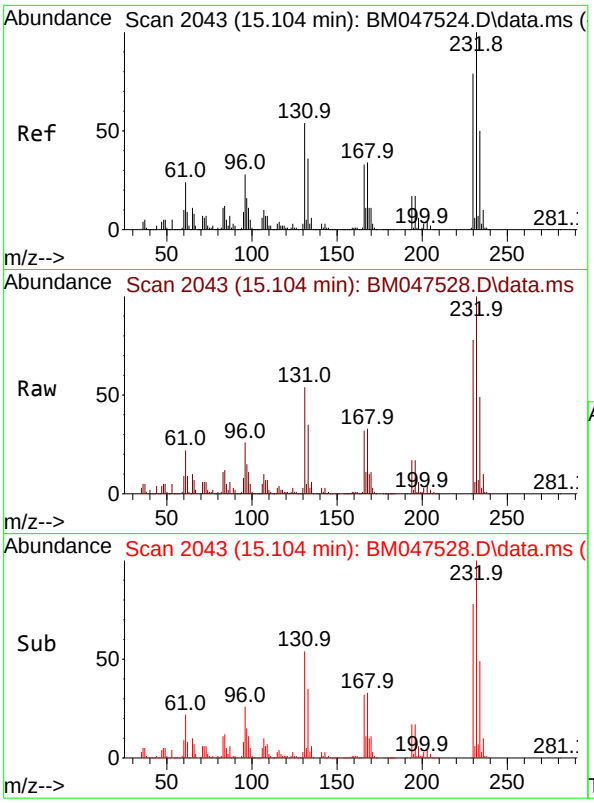


#58
Fluorene
Concen: 40.896 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

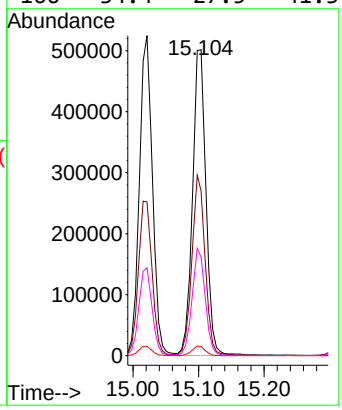




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.395 ng
RT: 15.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



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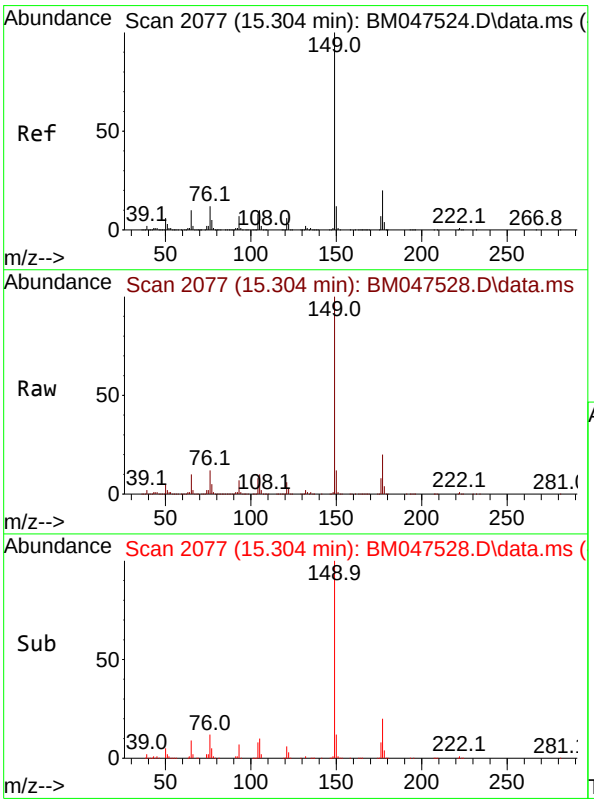
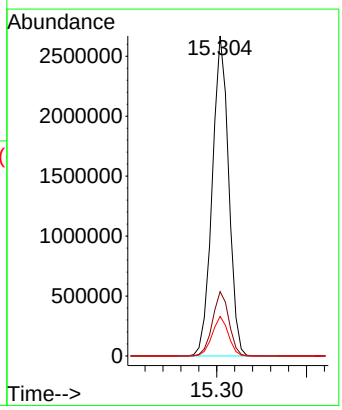
Supervised By :mohammad ahmed 09/17/2024

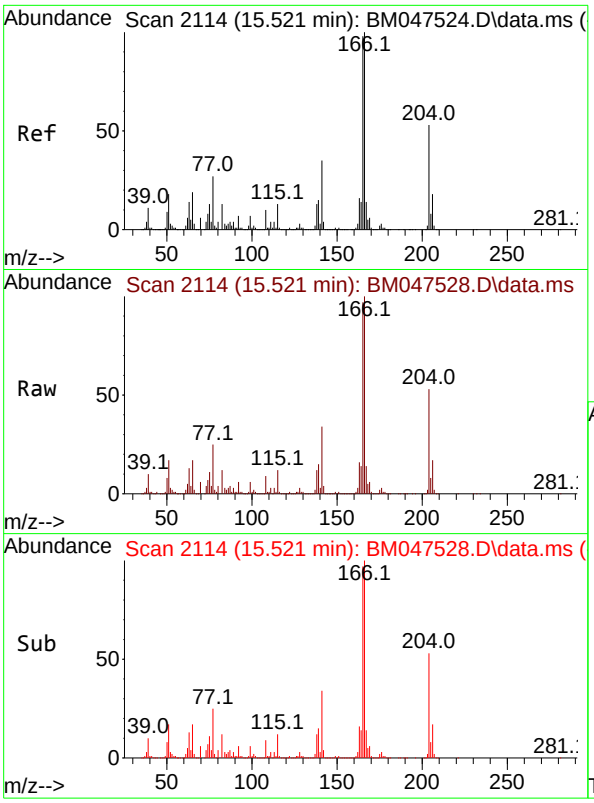


#60
Diethylphthalate
Concen: 40.482 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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

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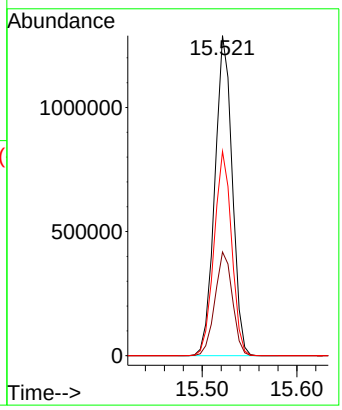
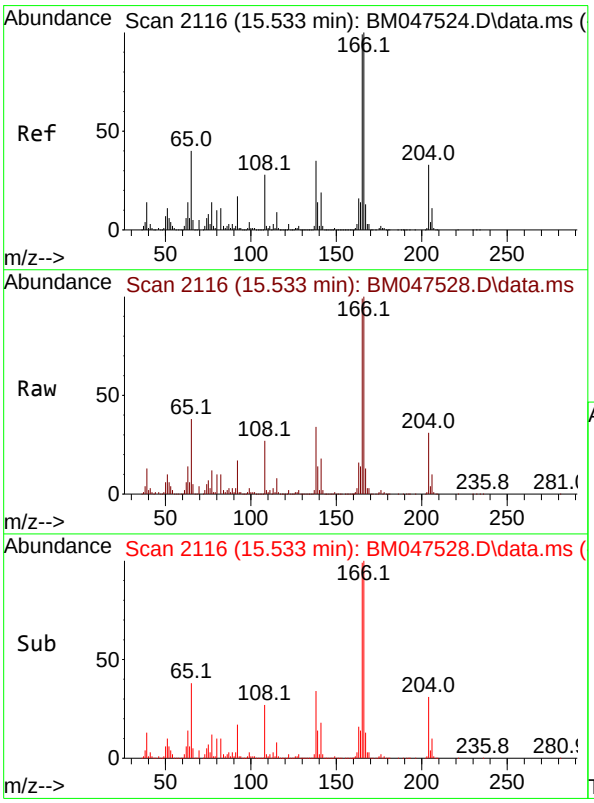
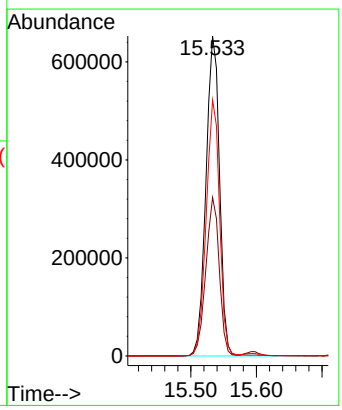


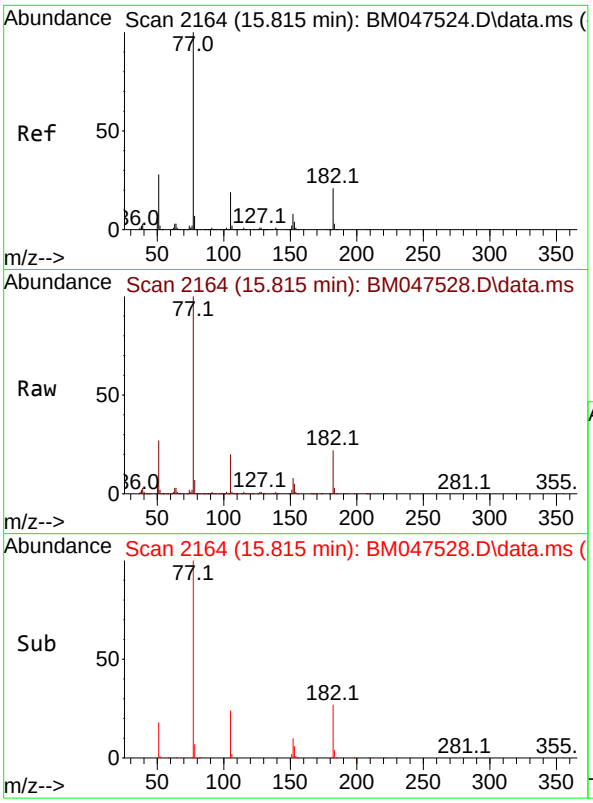


#62
4-Nitroaniline
Concen: 43.422 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

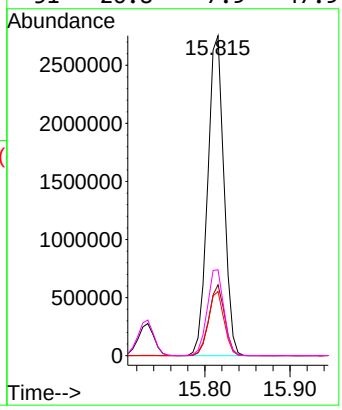




#63
Azobenzene
Concen: 39.412 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
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ClientSampleId :
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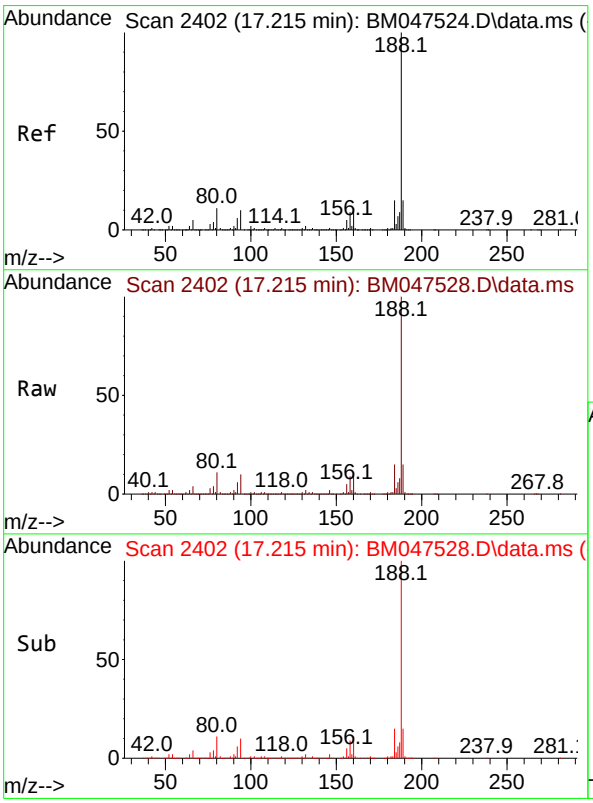
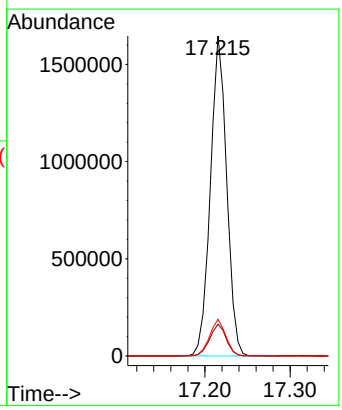
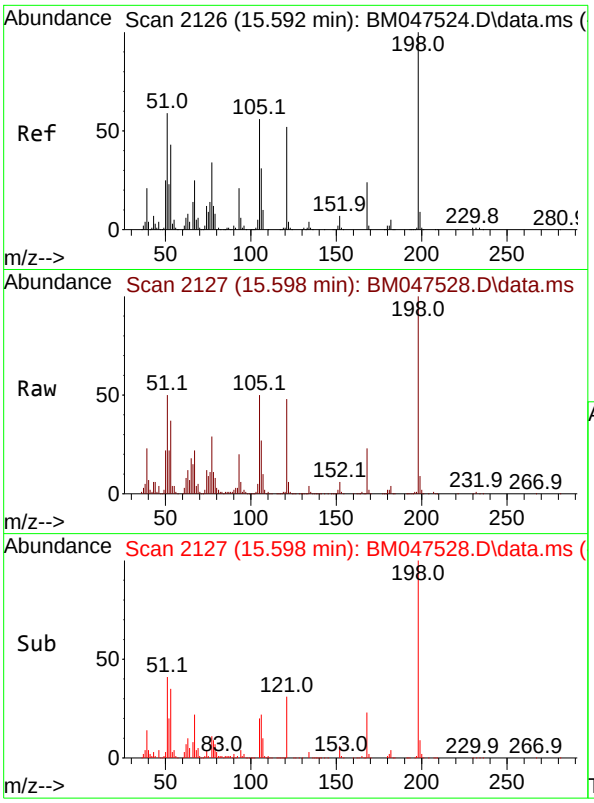


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
ICVBM091424

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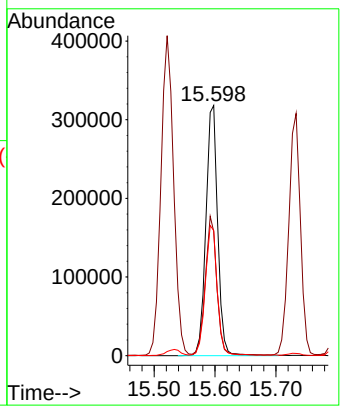
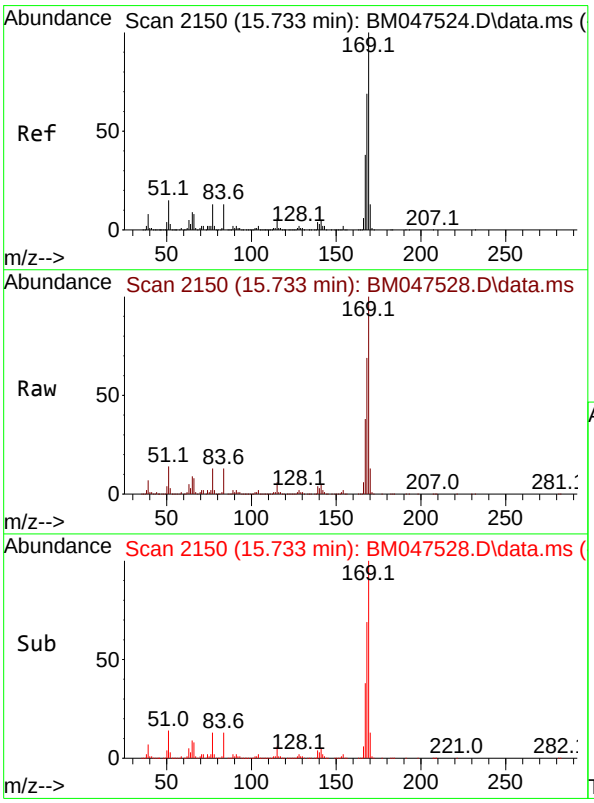
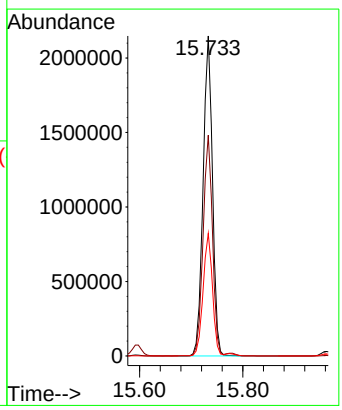


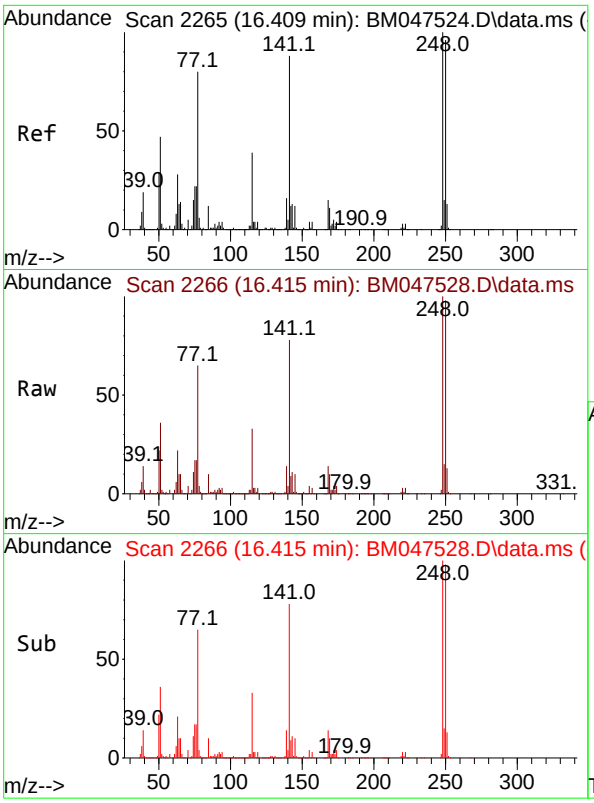


#66
n-Nitrosodiphenylamine
Concen: 40.550 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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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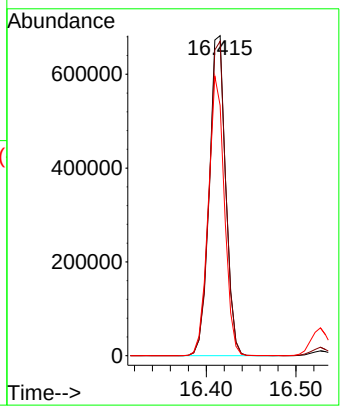
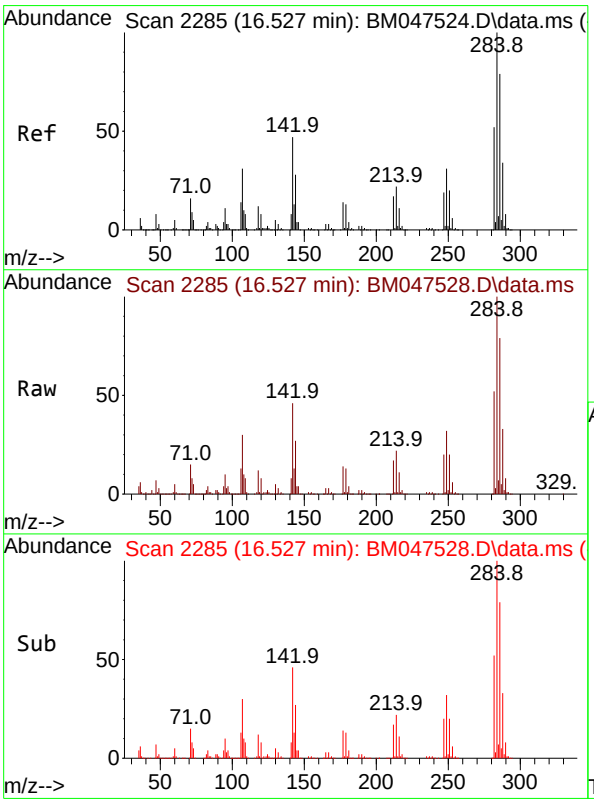
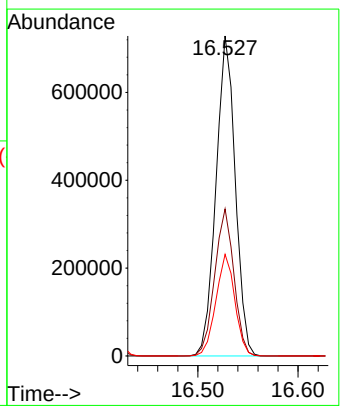


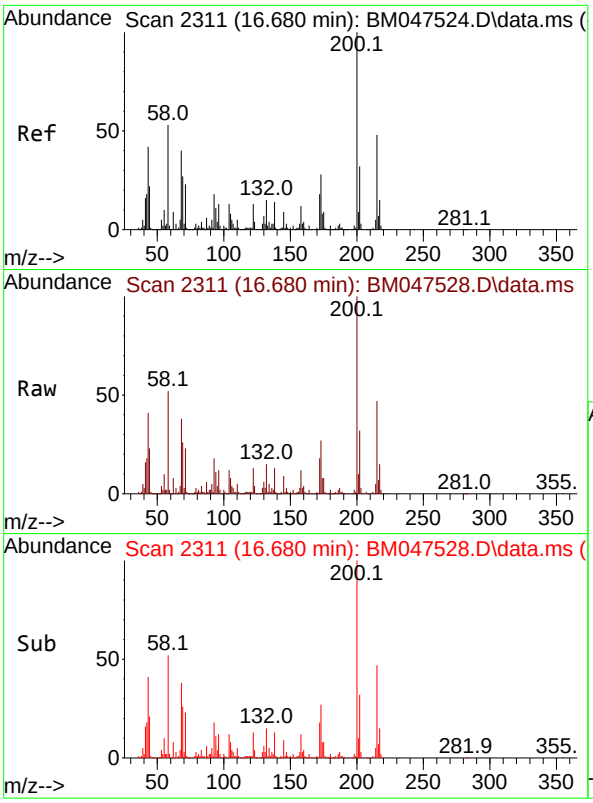


#68
Hexachlorobenzene
Concen: 40.377 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

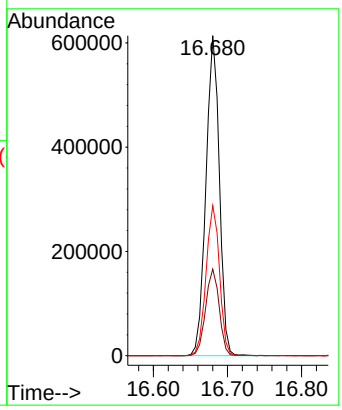




#69
Atrazine
Concen: 41.735 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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 :
ICVBM091424

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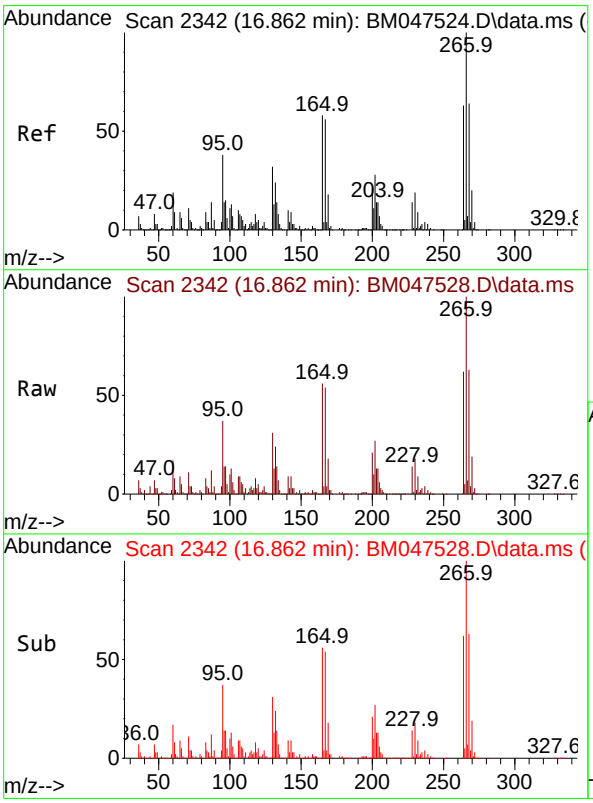
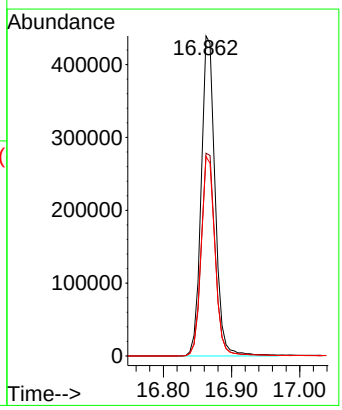
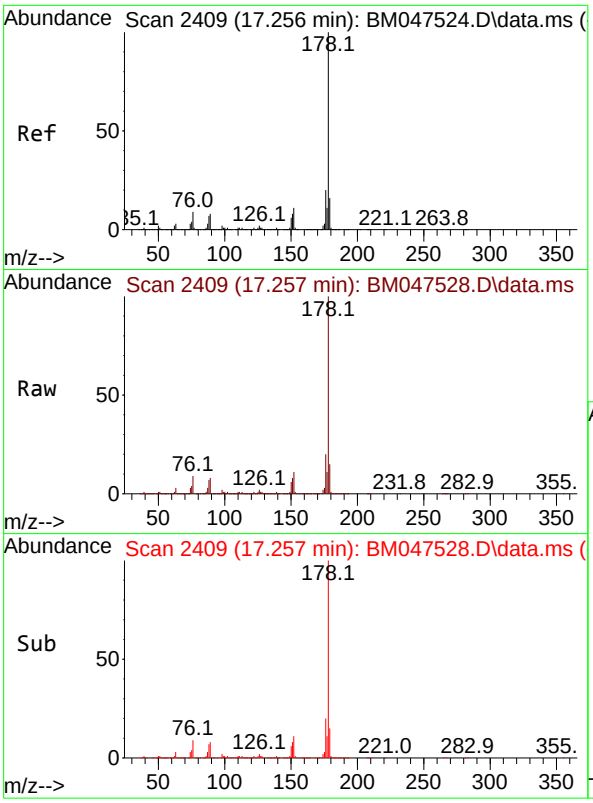


#70
Pentachlorophenol
Concen: 44.695 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

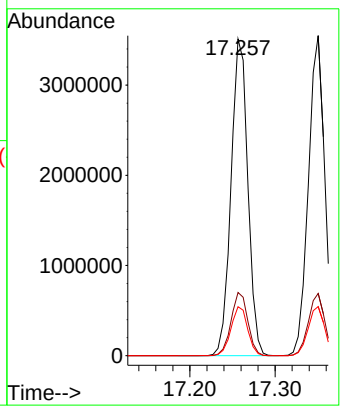




#71
Phenanthrene
Concen: 39.903 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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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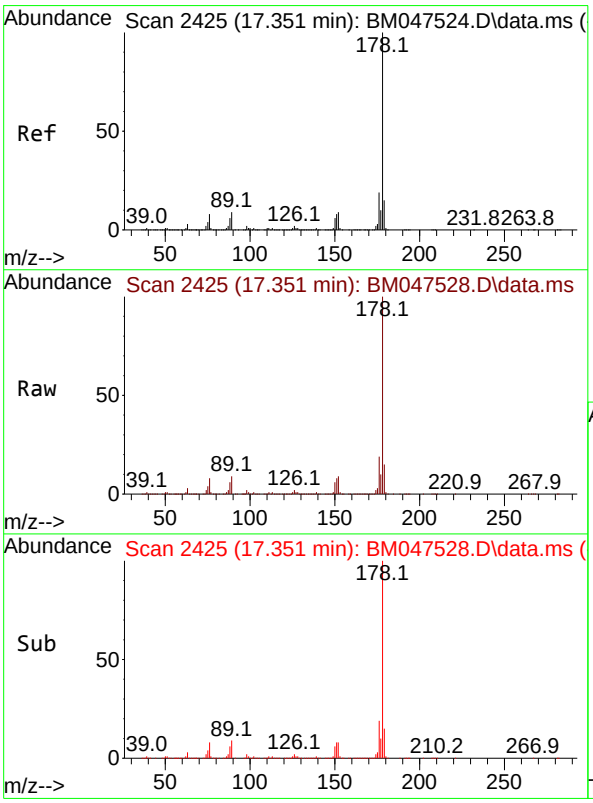
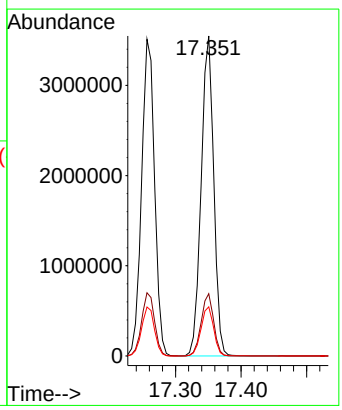
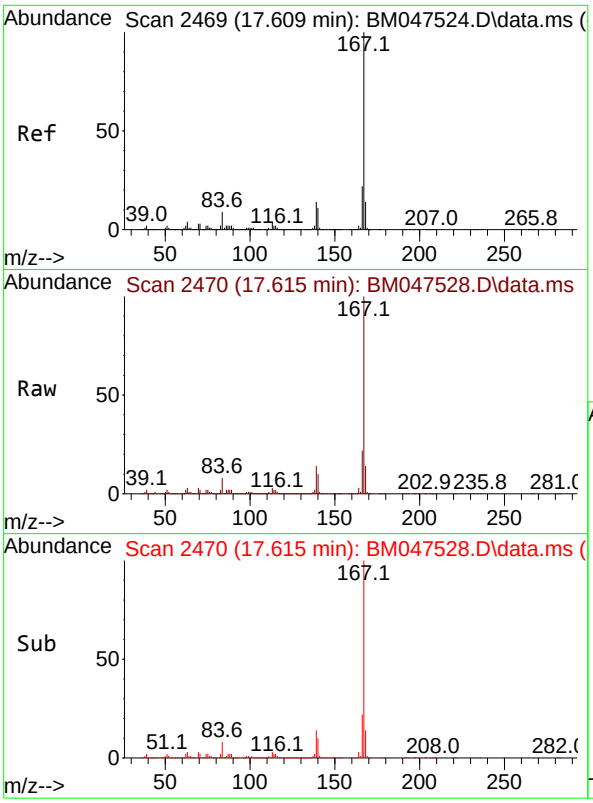


#72
Anthracene
Concen: 40.965 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

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

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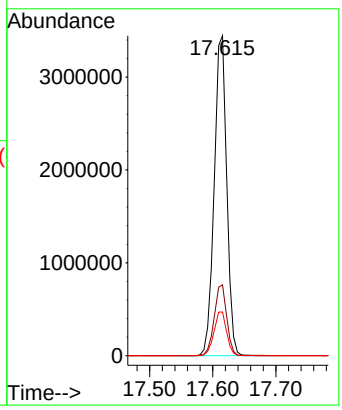
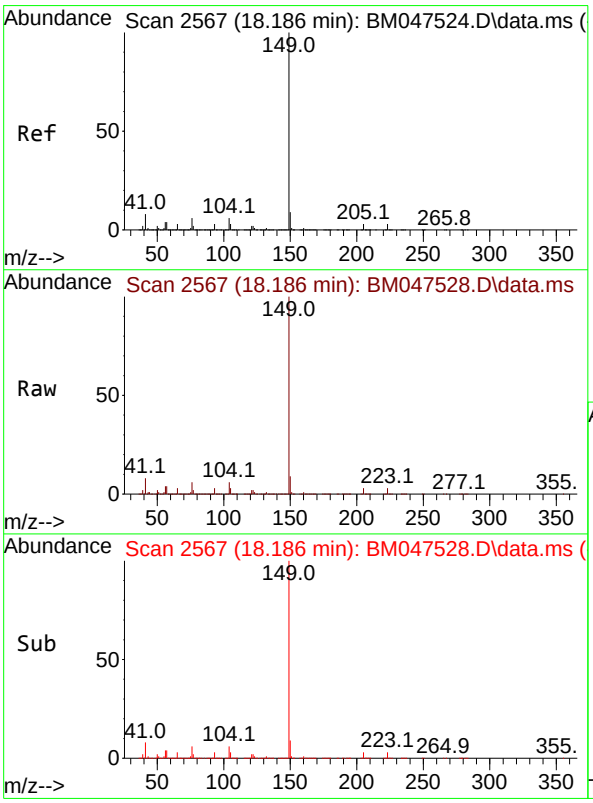
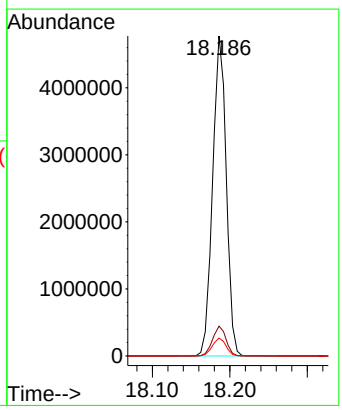


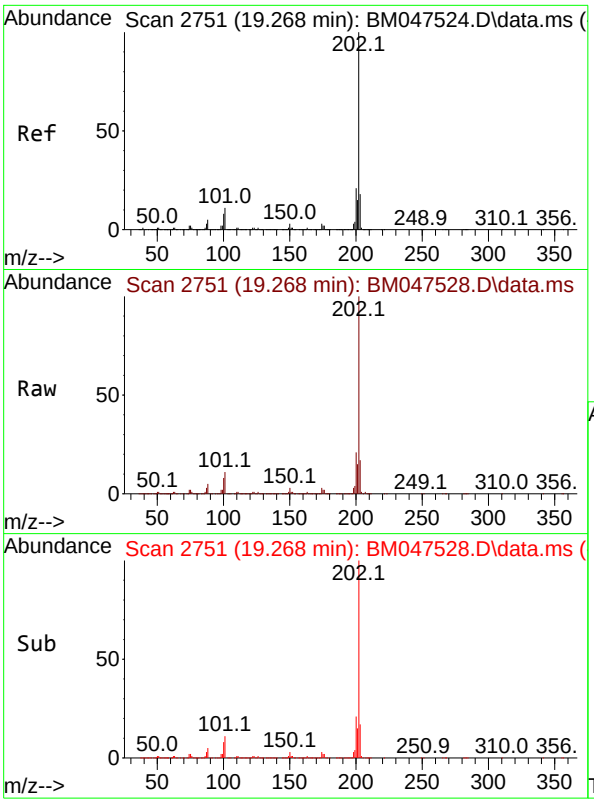


#74
Di-n-butylphthalate
Concen: 42.350 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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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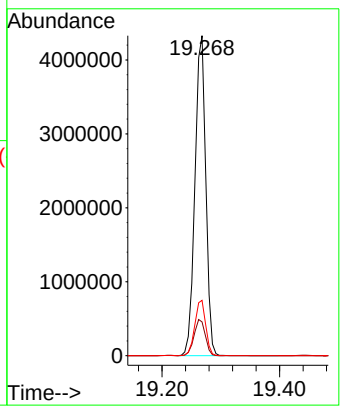
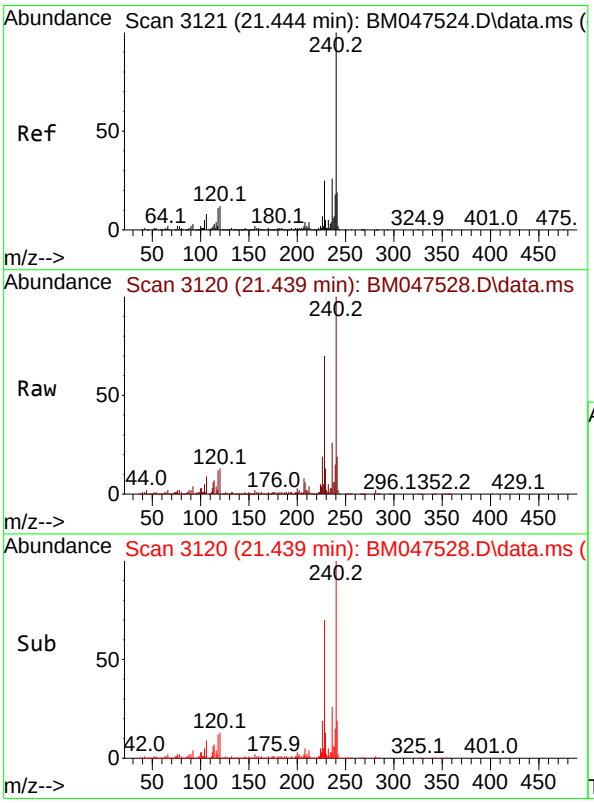
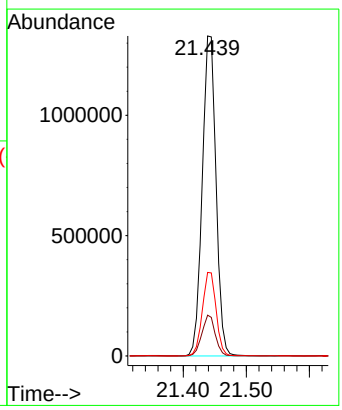


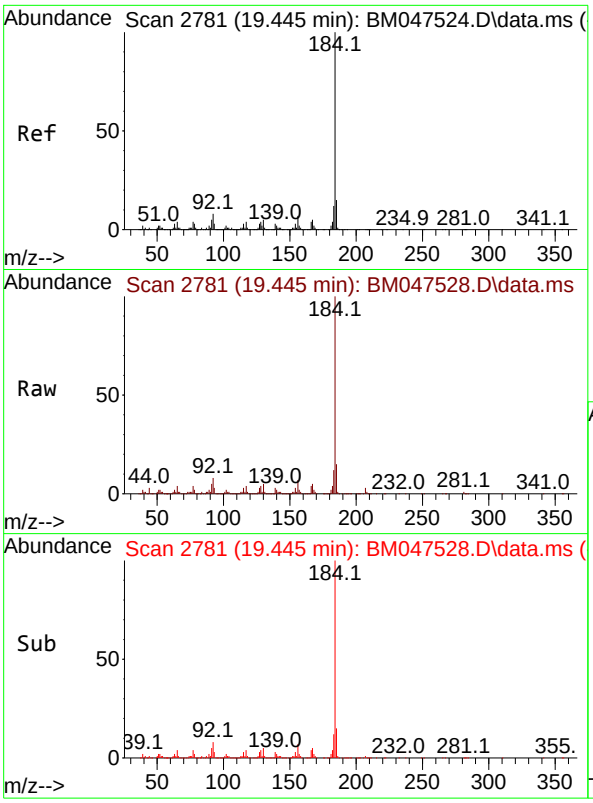


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

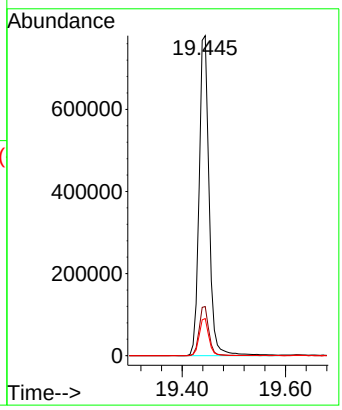




#77
Benzidine
Concen: 36.773 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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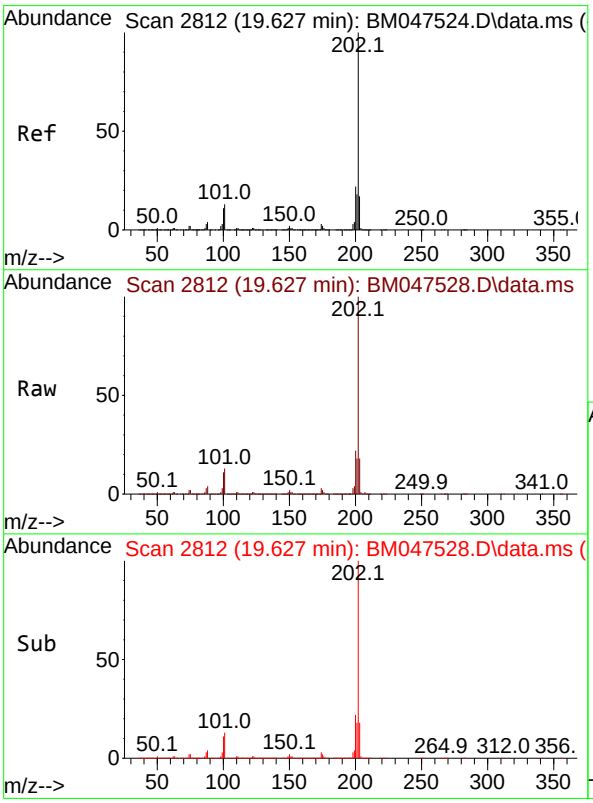
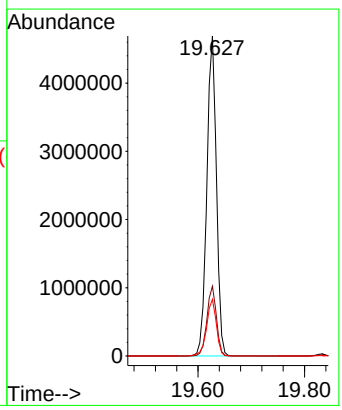
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

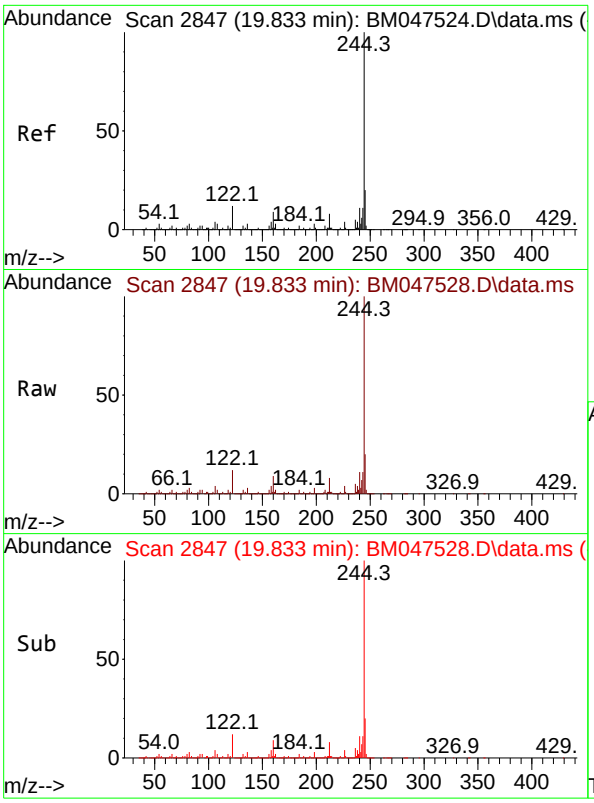


#78
Pyrene
Concen: 39.792 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

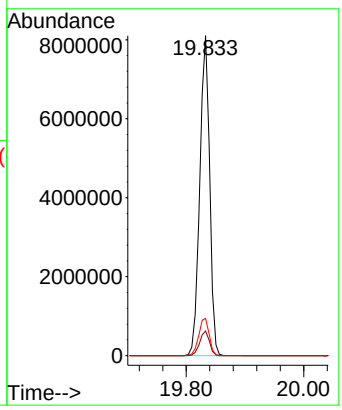




#79
Terphenyl-d14
Concen: 83.794 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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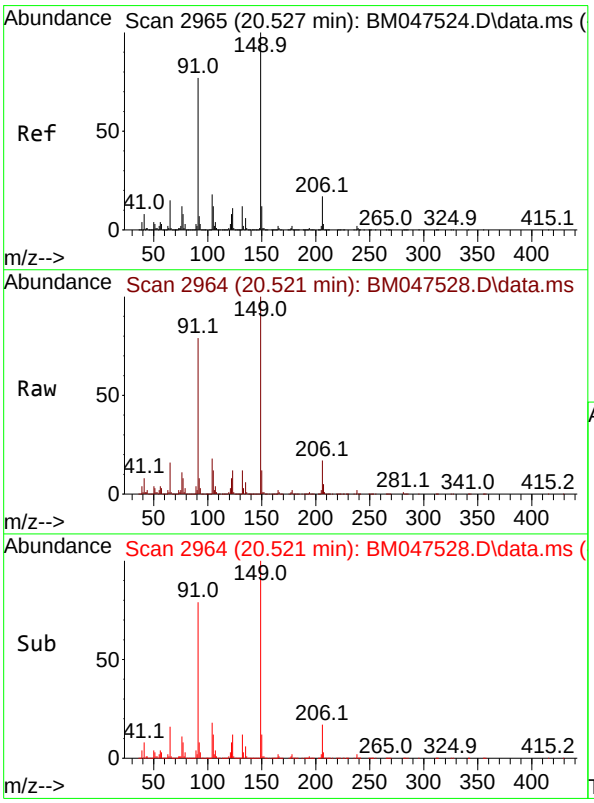
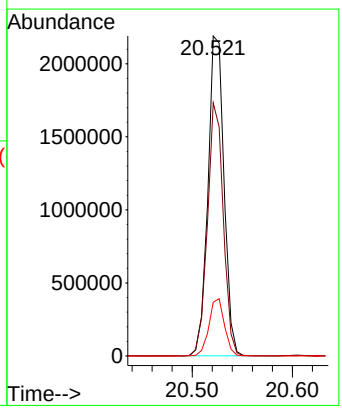
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

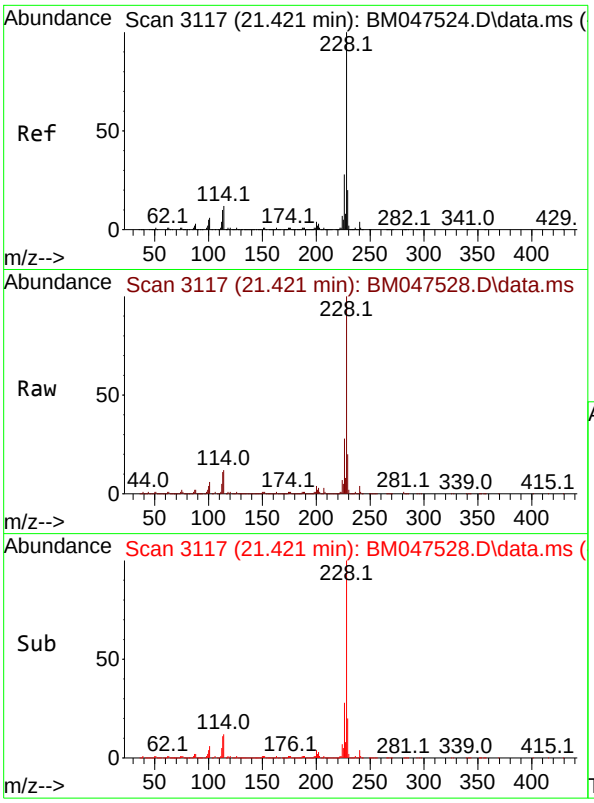


#80
Butylbenzylphthalate
Concen: 43.200 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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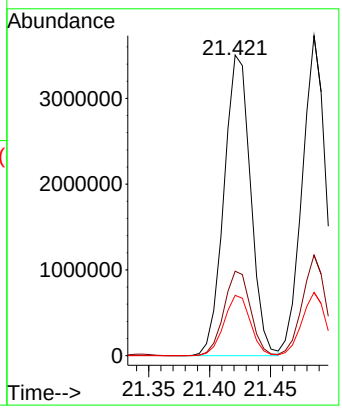
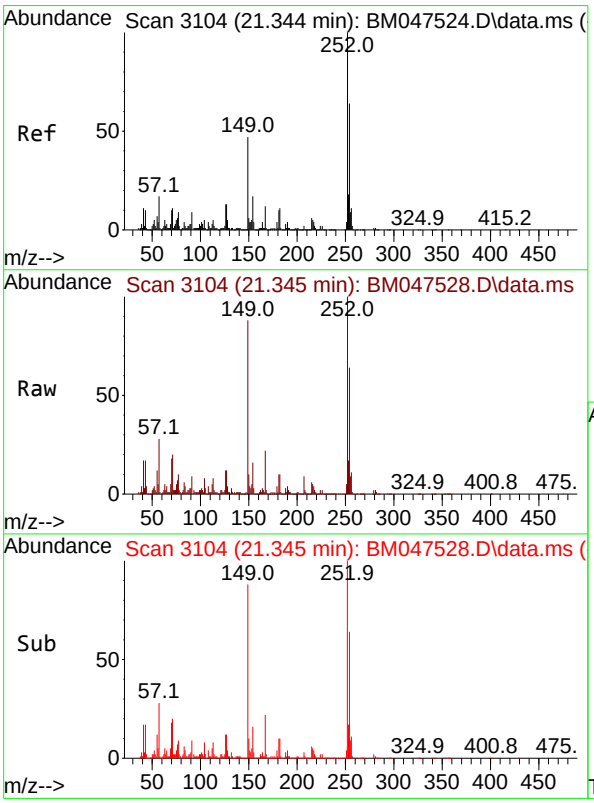
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

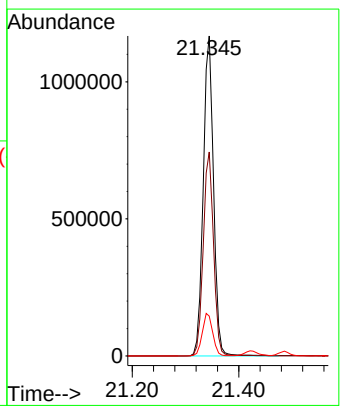


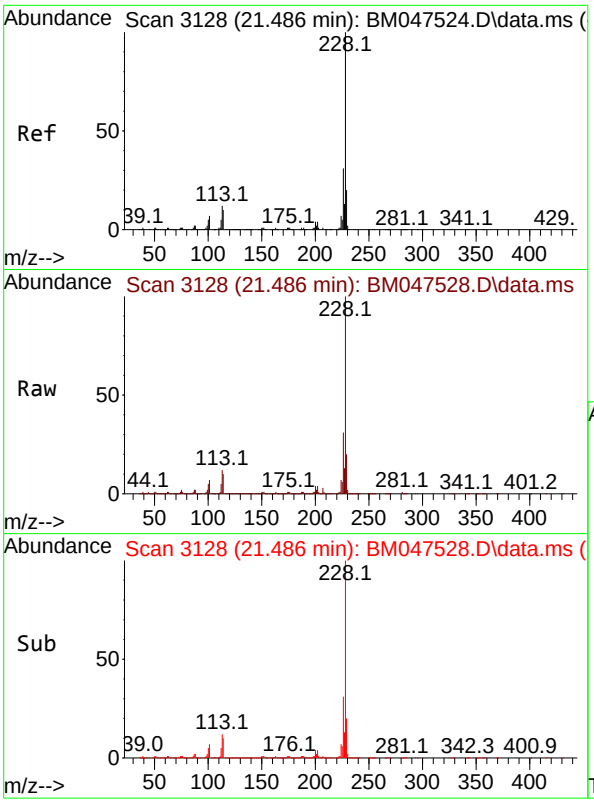


#82
3,3'-Dichlorobenzidine
Concen: 44.615 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

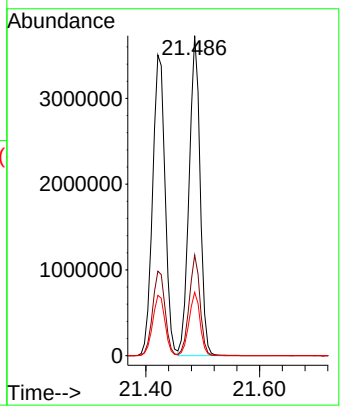




#83
Chrysene
Concen: 40.301 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

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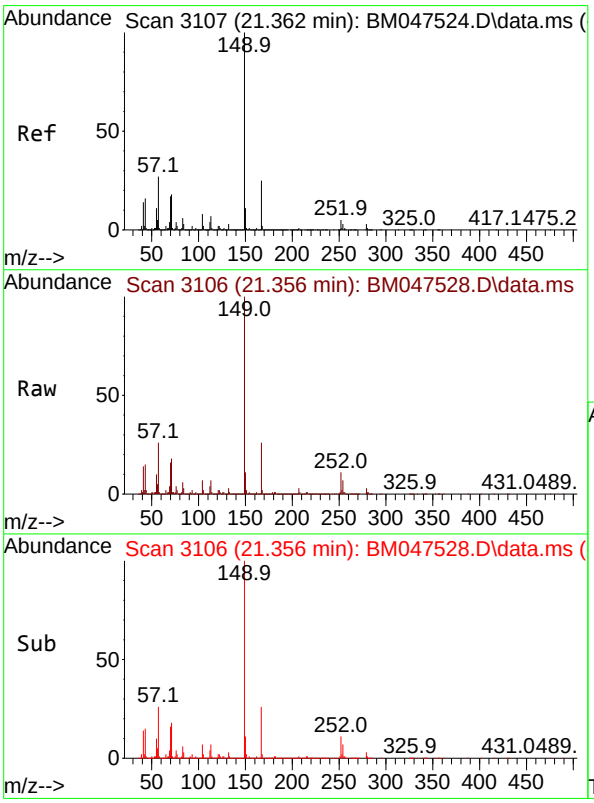
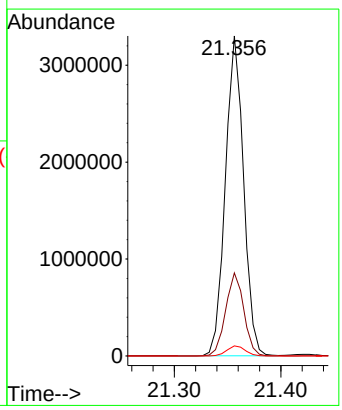
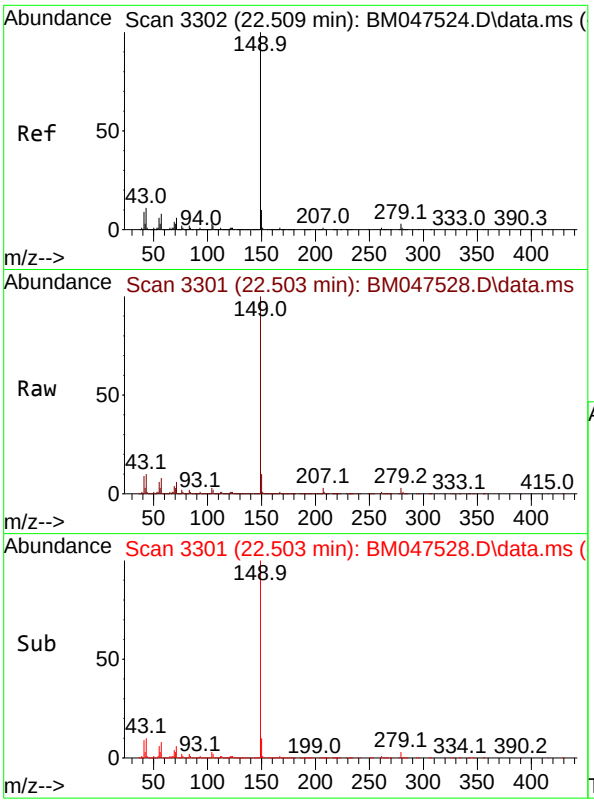


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.013 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

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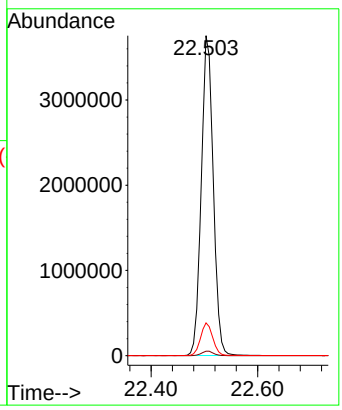
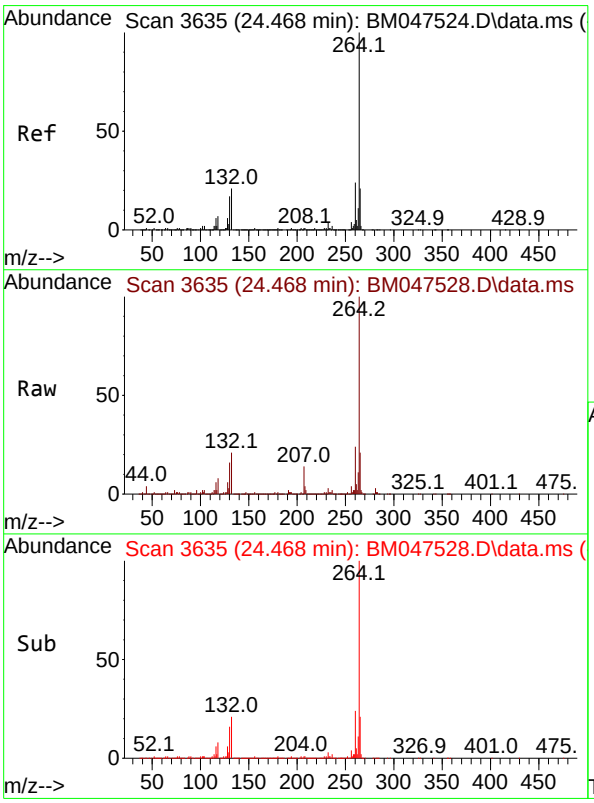
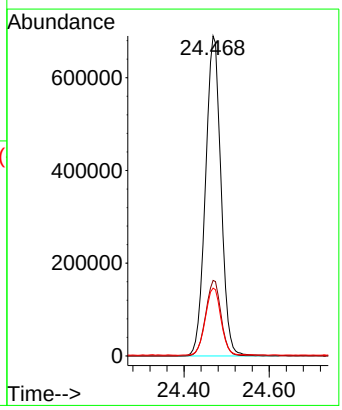


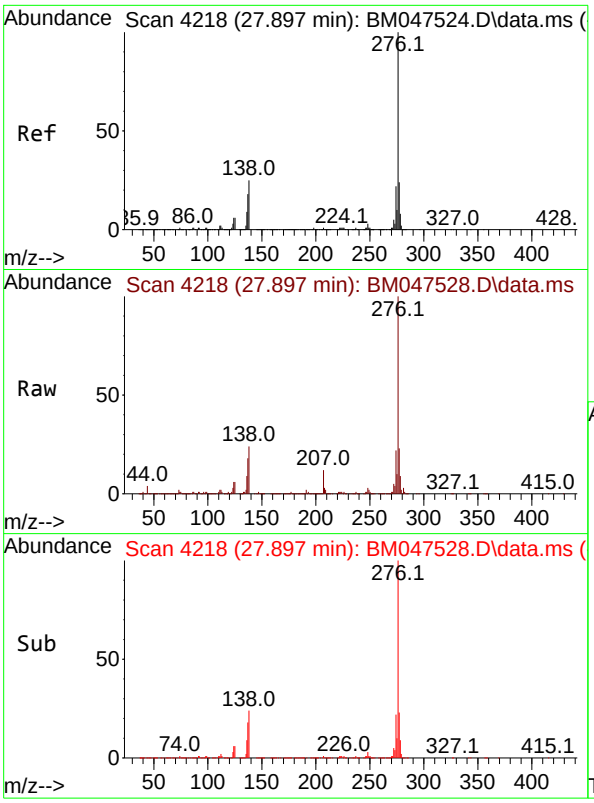


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

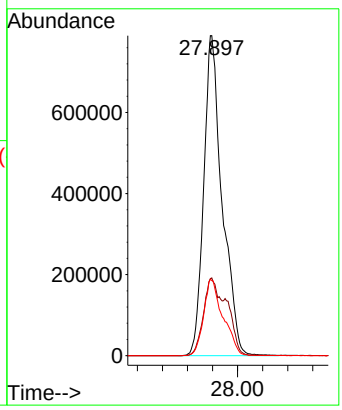




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.856 ng
RT: 27.897 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

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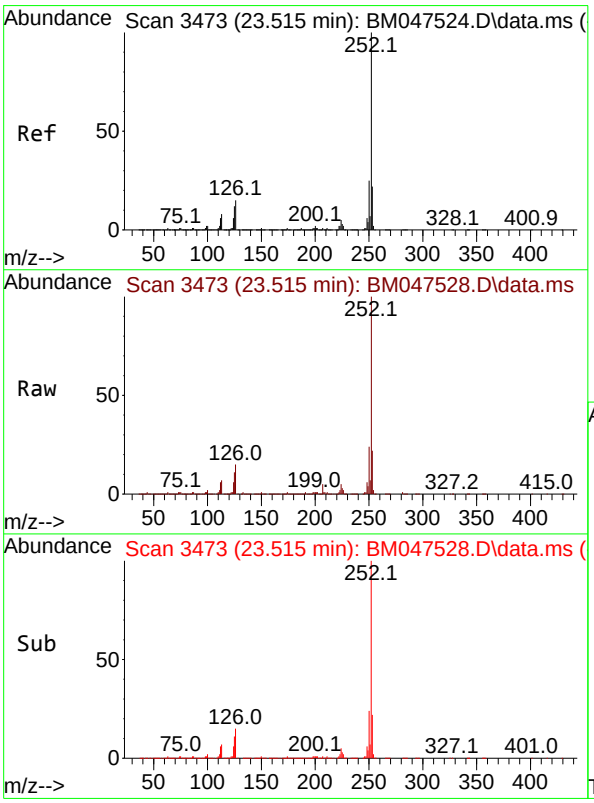
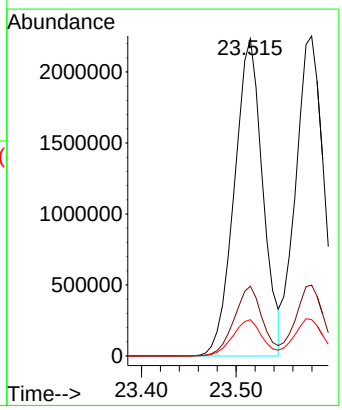
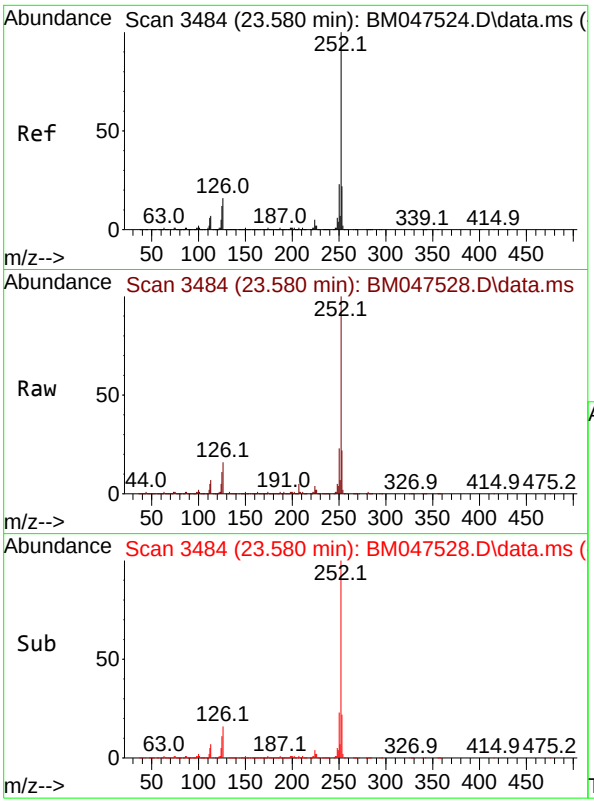


#88
Benzo(b)fluoranthene
Concen: 41.356 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

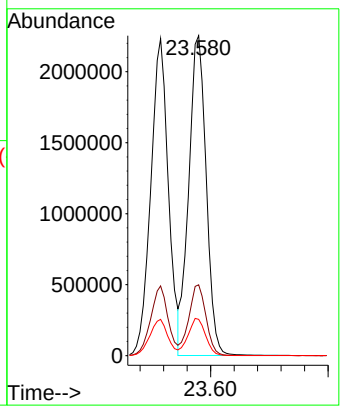




#89
Benzo(k)fluoranthene
Concen: 41.592 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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
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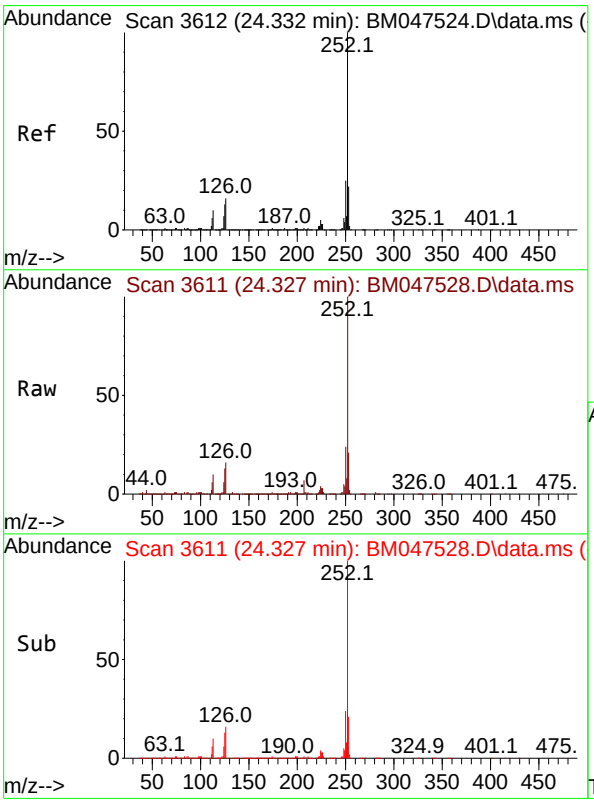
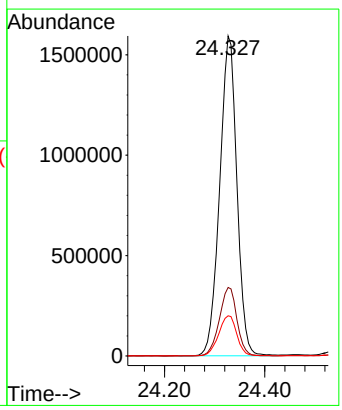
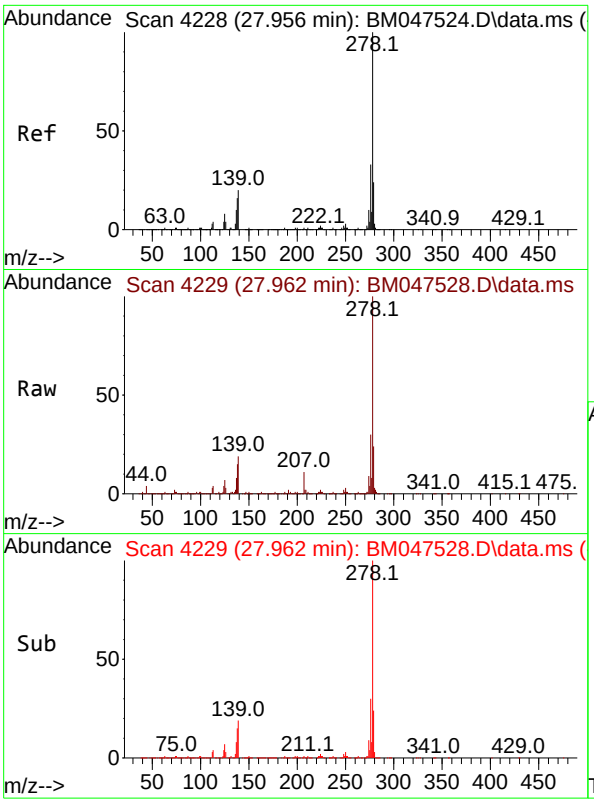


#90
Benzo(a)pyrene
Concen: 41.129 ng
RT: 24.327 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

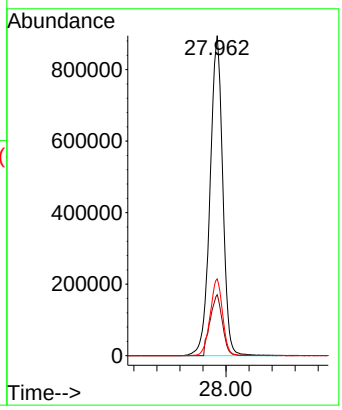




#91
Dibenzo(a,h)anthracene
Concen: 39.061 ng
RT: 27.962 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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

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Reviewed By :Yogesh Patel 09/16/2024
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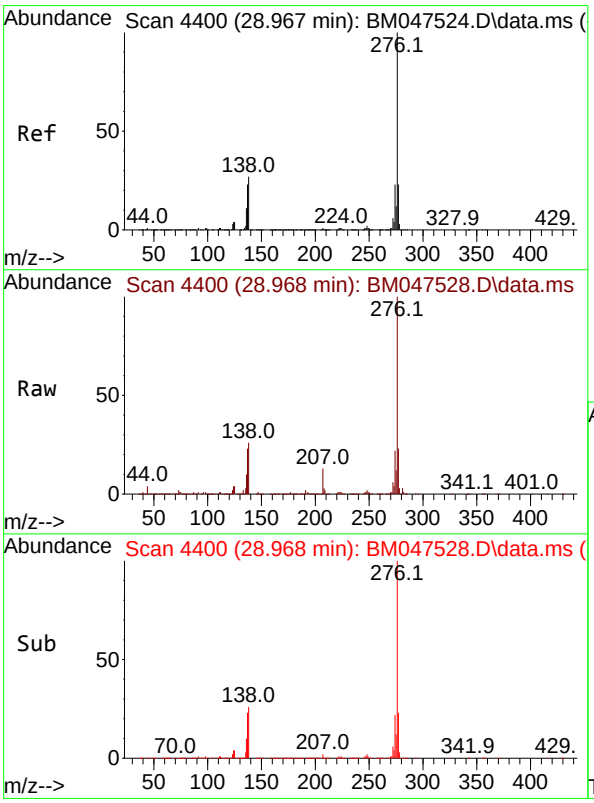
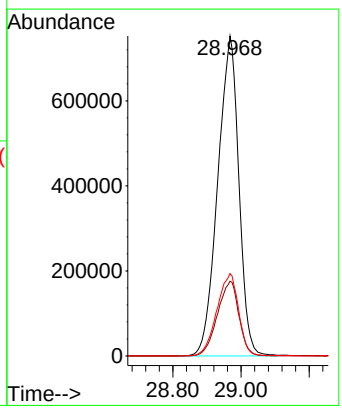


#92
Benzo(g,h,i)perylene
Concen: 37.708 ng
RT: 28.968 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

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



Evaluate Continuing Calibration Report

ICAL Form

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

ICAL Form

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

ICAL Form

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

Evaluate Continuing Calibration Report

ICAL Form

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

ICAL Form

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

ICAL Form

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

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

Instrument ID: BNA_M Calibration Date(s): 09/20/2024 09/20/2024

Calibration Time(s): 09:40 14:17

LAB FILE ID: RRF2.5 = BM047581.D RRF005 = BM047582.D RRF010 = BM047583.D
RRF020 = BM047584.D RRF040 = BM047585.D RRF050 = BM047586.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.302	1.285	1.295	1.279	1.304	1.305	1.7
Phenol-d6		1.663	1.654	1.703	1.699	1.747	1.720	3.2
Nitrobenzene-d5		0.379	0.382	0.399	0.404	0.409	0.402	4.1
2-Fluorobiphenyl		1.390	1.325	1.382	1.363	1.419	1.413	5.0
2,4,6-Tribromophenol		0.158	0.162	0.176	0.187	0.194	0.185	11.3
Atrazine		0.157	0.155	0.156	0.162	0.130	0.144	12.5
Terphenyl-d14		1.016	0.961	1.070	1.128	1.211	1.115	9.3

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM092024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 21 02:22:39 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047581.D 5 =BM047582.D 10 =BM047583.D 20 =BM047584.D 40 =BM047585.D 50 =BM047586.D 60 =BM047587.D 80 =BM0475
88.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.605	0.606	0.566	0.552	0.552	0.552	0.544	0.568	4.64
3)		Pyridine		1.609	1.600	1.571	1.555	1.565	1.594	1.532	1.575	1.74
4)		n-Nitrosodimet...		0.636	0.647	0.657	0.640	0.664	0.678	0.650	0.653	2.23
5)	S	2-Fluorophenol		1.302	1.285	1.295	1.279	1.304	1.342	1.328	1.305	1.73
6)		Aniline		1.508	1.481	1.470	1.481	1.474	1.490	1.407	1.473	2.14
7)	S	Phenol-d6		1.663	1.654	1.703	1.699	1.747	1.805	1.766	1.720	3.21
8)		2-Chlorophenol		1.373	1.349	1.384	1.331	1.360	1.394	1.373	1.366	1.56
9)		Benzaldehyde		1.000	1.050	0.998	0.828	0.814	0.779	0.673	0.878	15.93
10)	C	Phenol		1.679	1.658	1.683	1.694	1.728	1.774	1.737	1.707	2.36
11)		bis(2-Chloroet...		1.423	1.376	1.397	1.324	1.350	1.383	1.354	1.372	2.40
12)		1,3-Dichlorobe...		1.599	1.523	1.523	1.456	1.486	1.508	1.481	1.511	3.02
13)	C	1,4-Dichlorobe...		1.585	1.543	1.539	1.486	1.505	1.534	1.510	1.529	2.11
14)		1,2-Dichlorobe...		1.527	1.495	1.475	1.435	1.455	1.476	1.453	1.474	2.07
15)		Benzyl Alcohol		1.046	1.051	1.107	1.096	1.139	1.180	1.148	1.110	4.49
16)		2,2'-oxybis(1-...		1.822	1.784	1.805	1.695	1.725	1.741	1.672	1.749	3.23
17)		2-Methylphenol		1.057	1.042	1.068	1.075	1.093	1.108	1.067	1.073	2.05
18)		Hexachloroethane		0.653	0.619	0.623	0.605	0.616	0.617	0.607	0.620	2.55
19)	P	n-Nitroso-di-n...	0.953	1.019	1.021	1.070	1.058	1.101	1.123	1.081	1.053	5.12
20)		3+4-Methylphenols		1.413	1.414	1.459	1.457	1.498	1.526	1.465	1.462	2.81
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.529	0.506	0.514	0.513	0.520	0.536	0.529	0.521	2.02
23)	S	Nitrobenzene-d5		0.379	0.382	0.399	0.404	0.409	0.422	0.417	0.402	4.10
24)		Nitrobenzene		0.404	0.408	0.419	0.412	0.417	0.427	0.419	0.415	1.89
25)		Isophorone		0.649	0.638	0.667	0.668	0.682	0.707	0.690	0.671	3.54
26)	C	2-Nitrophenol		0.129	0.126	0.141	0.147	0.153	0.163	0.164	0.146	10.38
27)		2,4-Dimethylph...		0.210	0.198	0.205	0.207	0.206	0.216	0.213	0.208	2.87
28)		bis(2-Chloroet...		0.435	0.421	0.439	0.423	0.430	0.441	0.435	0.432	1.80
29)	C	2,4-Dichloroph...		0.245	0.247	0.261	0.263	0.269	0.279	0.277	0.263	5.02
30)		1,2,4-Trichlor...		0.311	0.288	0.300	0.290	0.296	0.308	0.305	0.300	2.90
31)		Naphthalene		1.076	1.037	1.048	1.033	1.046	1.086	1.081	1.058	2.10
32)		Benzoic acid		0.145	0.165	0.174	0.204	0.212	0.225	0.232	0.194	16.98
33)		4-Chloroaniline		0.363	0.357	0.370	0.378	0.380	0.390	0.375	0.373	2.97
34)	C	Hexachlorobuta...		0.172	0.155	0.164	0.158	0.160	0.164	0.168	0.163	3.57
35)		Caprolactam		0.076	0.079	0.087	0.095	0.099	0.103	0.096	0.091	11.10
36)	C	4-Chloro-3-met...		0.271	0.276	0.292	0.305	0.315	0.324	0.317	0.300	6.90
37)		2-Methylnaphth...		0.656	0.632	0.653	0.649	0.671	0.698	0.695	0.665	3.69
38)		1-Methylnaphth...		0.649	0.628	0.647	0.648	0.665	0.693	0.686	0.659	3.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM092024.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.540	0.510	0.519	0.502	0.517	0.543	0.563	0.528	4.10
41)	P	Hexachlorocycl...	0.176	0.164	0.174	0.167	0.170	0.181	0.188	0.174	4.70
42)	S	2,4,6-Tribromo...	0.158	0.162	0.176	0.187	0.194	0.210	0.209	0.185	11.32
43)	C	2,4,6-Trichlor...	0.319	0.313	0.337	0.340	0.352	0.370	0.371	0.343	6.70
44)		2,4,5-Trichlor...	0.352	0.359	0.378	0.381	0.400	0.414	0.414	0.386	6.43
45)	S	2-Fluorobiphenyl	1.390	1.325	1.382	1.363	1.419	1.487	1.528	1.413	5.04
46)		1,1'-Biphenyl	1.563	1.491	1.525	1.498	1.532	1.598	1.605	1.545	2.95
47)		2-Chloronaphth...	1.226	1.173	1.199	1.166	1.195	1.247	1.254	1.209	2.87
48)		2-Nitroaniline	0.285	0.299	0.347	0.377	0.392	0.415	0.411	0.361	14.49
49)		Acenaphthylene	1.655	1.652	1.720	1.711	1.764	1.839	1.833	1.739	4.40
50)		Dimethylphthalate	1.366	1.335	1.364	1.371	1.384	1.444	1.402	1.381	2.50
51)		2,6-Dinitrotol...	0.237	0.256	0.285	0.297	0.310	0.322	0.318	0.289	11.12
52)	C	Acenaphthene	1.134	1.086	1.109	1.113	1.170	1.215	1.215	1.149	4.53
53)		3-Nitroaniline	0.257	0.288	0.323	0.349	0.363	0.375	0.366	0.332	13.46
54)	P	2,4-Dinitrophenol		0.094	0.108	0.131	0.142	0.154	0.158	0.131	19.28
55)		Dibenzofuran	1.665	1.630	1.648	1.640	1.684	1.745	1.741	1.679	2.81
56)	P	4-Nitrophenol	0.199	0.246	0.279	0.307	0.313	0.329	0.317	0.284	16.45
57)		2,4-Dinitrotol...	0.288	0.328	0.376	0.406	0.424	0.444	0.433	0.386	15.17
58)		Fluorene	1.339	1.361	1.423	1.487	1.550	1.629	1.613	1.486	7.86
59)		2,3,4,6-Tetrac...	0.270	0.271	0.291	0.296	0.304	0.318	0.314	0.295	6.44
60)		Diethylphthalate	1.380	1.391	1.457	1.474	1.518	1.561	1.523	1.472	4.64
61)		4-Chlorophenyl...	0.601	0.588	0.628	0.640	0.670	0.710	0.708	0.649	7.47
62)		4-Nitroaniline	0.252	0.303	0.354	0.405	0.426	0.446	0.432	0.374	19.66
63)		Azobenzene	1.437	1.499	1.612	1.630	1.673	1.735	1.680	1.609	6.59
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.068	0.085	0.094	0.101	0.108	0.113	0.095	17.61
66)	c	n-Nitrosodiphe...	0.576	0.562	0.591	0.583	0.604	0.630	0.635	0.597	4.60
67)		4-Bromophenyl-...	0.181	0.168	0.178	0.173	0.182	0.193	0.198	0.182	5.82
68)		Hexachlorobenzene	0.215	0.203	0.208	0.202	0.211	0.222	0.226	0.212	4.28
69)		Atrazine	0.157	0.155	0.156	0.162	0.130	0.130	0.116	0.144	12.48
70)	C	Pentachlorophenol	0.109	0.117	0.129	0.137	0.141	0.149	0.152	0.133	11.95
71)		Phenanthrene	1.058	1.016	1.056	1.060	1.095	1.149	1.165	1.086	4.99
72)		Anthracene	0.950	0.952	0.998	1.013	1.050	1.110	1.127	1.029	6.89
73)		Carbazole	0.984	1.002	1.040	1.072	1.096	1.153	1.156	1.072	6.34
74)		Di-n-butylphth...	1.135	1.146	1.274	1.294	1.354	1.430	1.442	1.296	9.53
75)	C	Fluoranthene	1.057	1.075	1.129	1.188	1.238	1.332	1.348	1.195	9.78
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.329	0.431	0.236	0.381	0.202	0.103	0.223	0.272	41.78
78)		Pyrene	1.361	1.281	1.351	1.373	1.439	1.502	1.492	1.400	5.77
79)	S	Terphenyl-d14	1.016	0.961	1.070	1.128	1.211	1.239	1.179	1.115	9.28
80)		Butylbenzylpht...	0.528	0.525	0.595	0.610	0.648	0.680	0.680	0.609	10.68
81)		Benzo(a)anthra...	1.277	1.255	1.288	1.290	1.339	1.389	1.366	1.315	3.81
82)		3,3'-Dichlorob...	0.367	0.386	0.402	0.422	0.422	0.421	0.439	0.408	6.15
83)		Chrysene	1.221	1.194	1.214	1.227	1.272	1.321	1.306	1.251	3.92
84)		Bis(2-ethylhex...	0.836	0.845	0.951	0.973	1.045	1.084	1.090	0.975	10.82
85)	c	Di-n-octyl pht...	1.277	1.309	1.463	1.498	1.589	1.681	1.711	1.504	11.28

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM092024.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.276	1.284	1.327	1.367	1.402	1.481	1.490	1.375	6.34
88)		Benzo(b)fluora...	1.138	1.111	1.234	1.249	1.314	1.383	1.371	1.257	8.49
89)		Benzo(k)fluora...	1.123	1.110	1.172	1.228	1.262	1.362	1.379	1.234	8.73
90)	C	Benzo(a)pyrene	0.973	0.954	1.035	1.059	1.095	1.173	1.171	1.066	8.18
91)		Dibenzo(a,h)an...	1.064	1.057	1.110	1.140	1.171	1.248	1.251	1.149	6.94
92)		Benzo(g,h,i)pe...	1.098	1.087	1.124	1.139	1.164	1.218	1.228	1.151	4.81

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047581.D
Acq On : 20 Sep 2024 09:40
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Sep 20 16:18:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	315099	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1223771	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	638196	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1188407	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1031871	20.000	ng	0.00
86) Perylene-d12	24.462	264	1155247	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	37552	2.263	ng	# 97

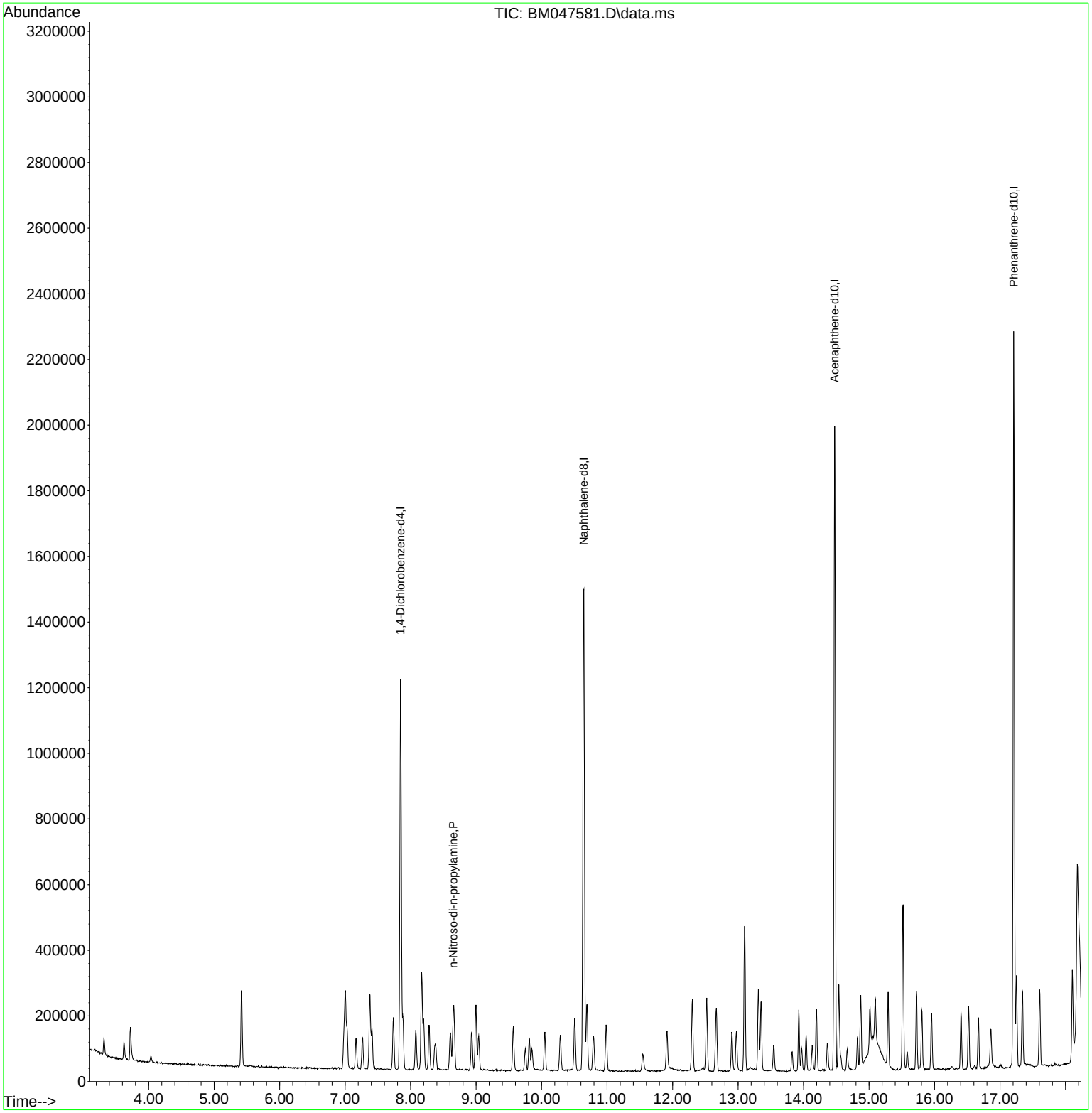
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047581.D
Acq On : 20 Sep 2024 09:40
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Sep 20 16:18:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

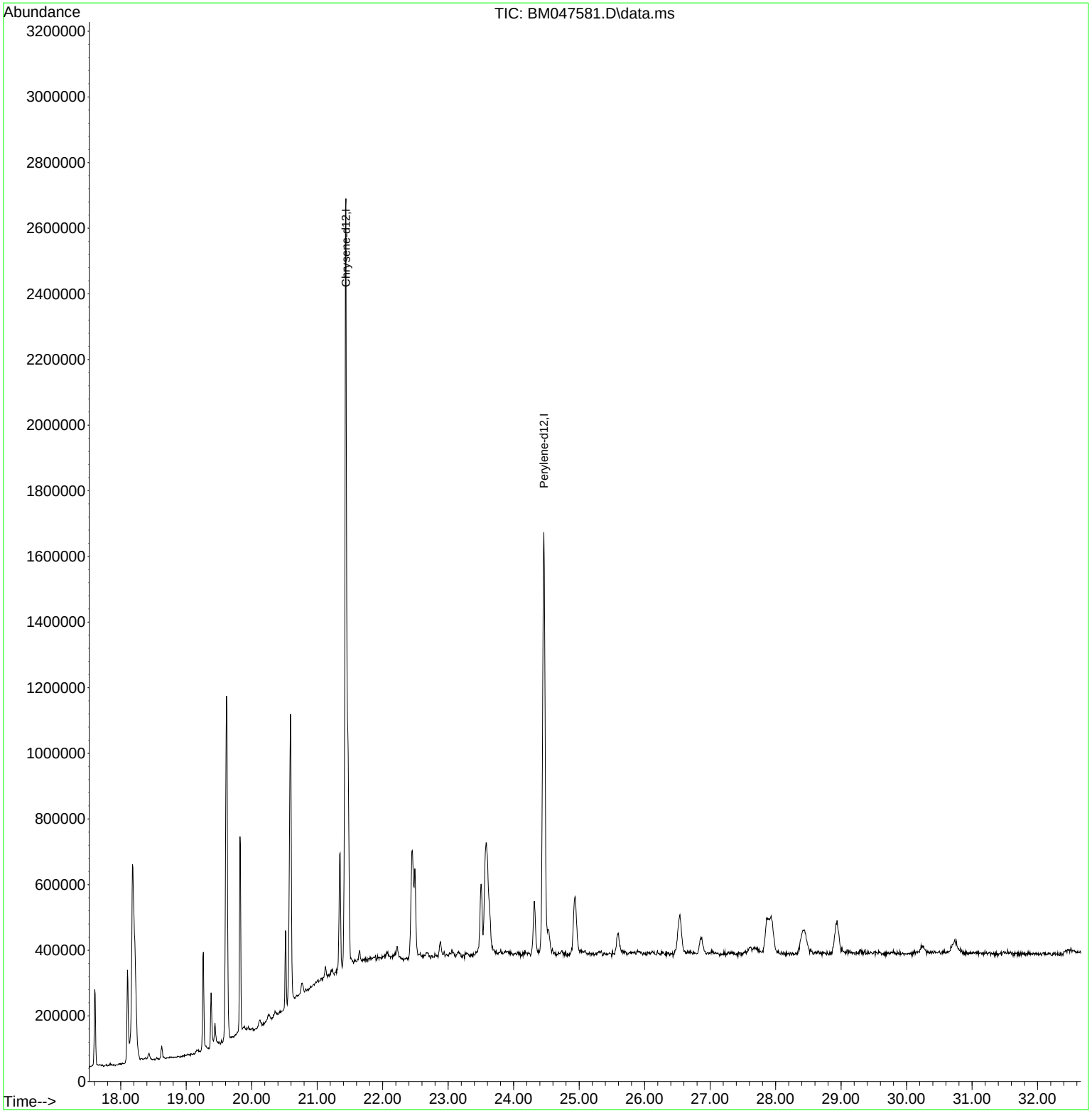


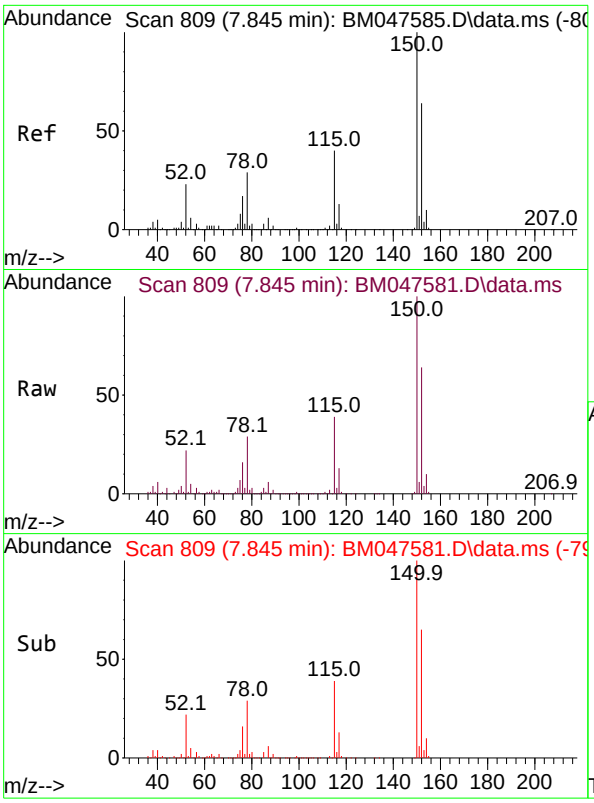
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047581.D
Acq On : 20 Sep 2024 09:40
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Sep 20 16:18:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration



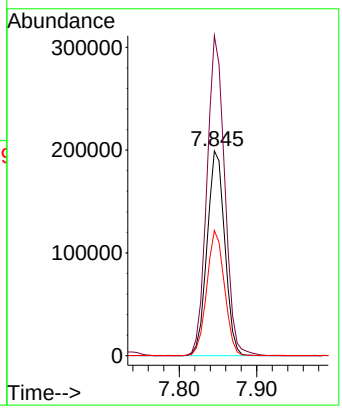


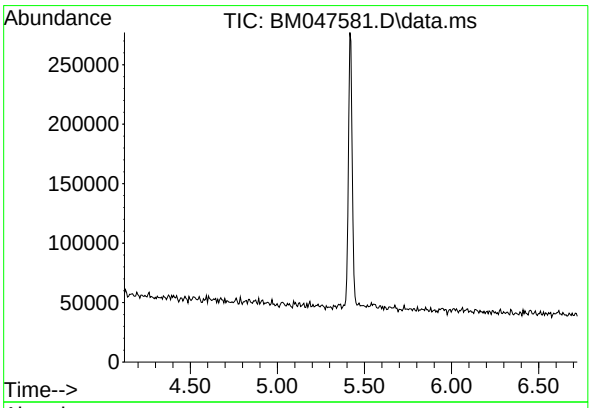
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 315099

Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.5	186.7
115	61.1	49.9	74.9



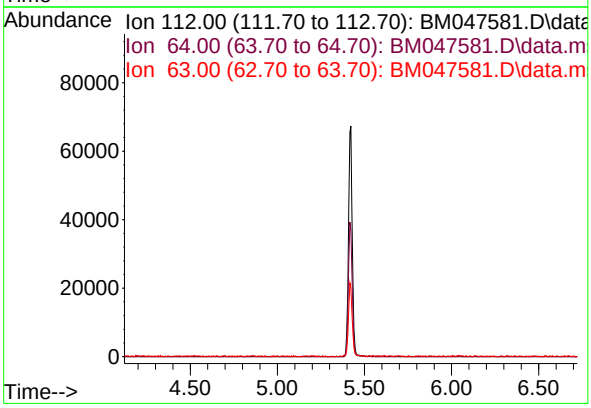


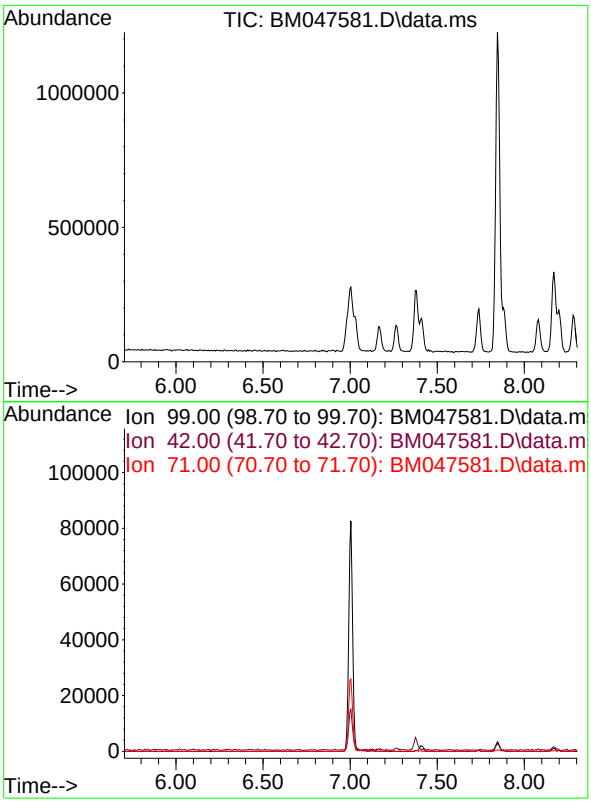
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.42 min

Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.5
63	31.5





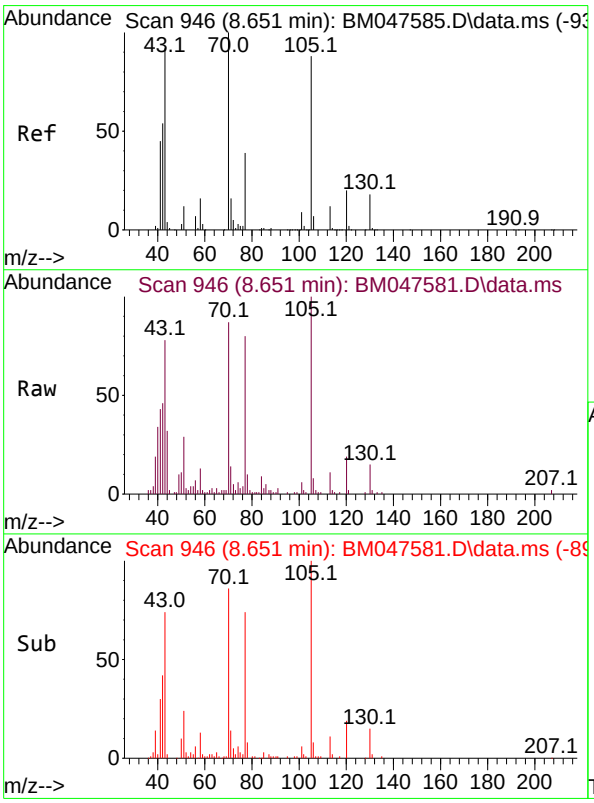
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.00 min

Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

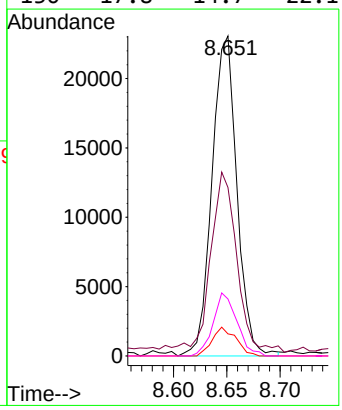
Sig	Exp Ratio
99	100
42	19.1
71	34.7

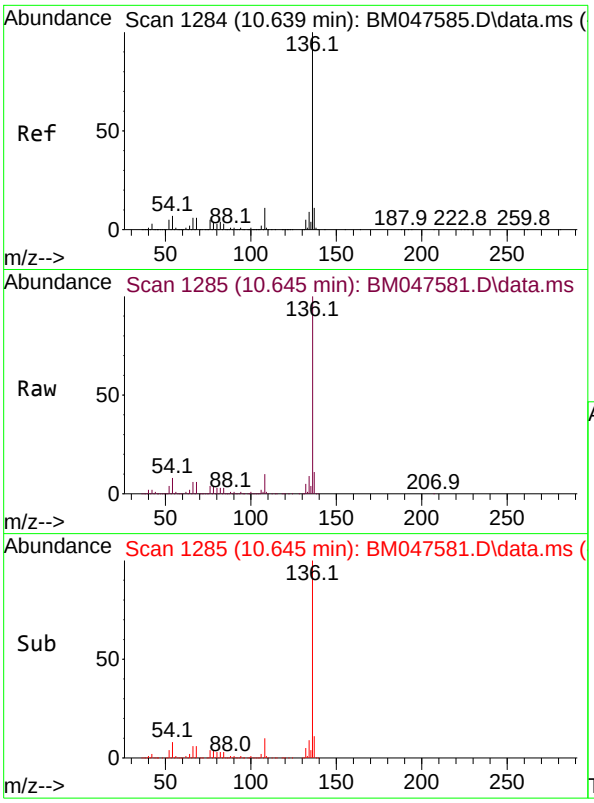


#19
n-Nitroso-di-n-propylamine
Concen: 2.263 ng
RT: 8.651 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Tgt Ion: 70 Resp: 37552

Ion	Ratio	Lower	Upper
70	100		
42	52.7	44.2	66.2
101	6.9	7.0	10.4#
130	17.8	14.7	22.1



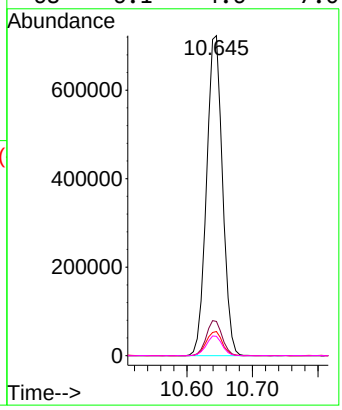


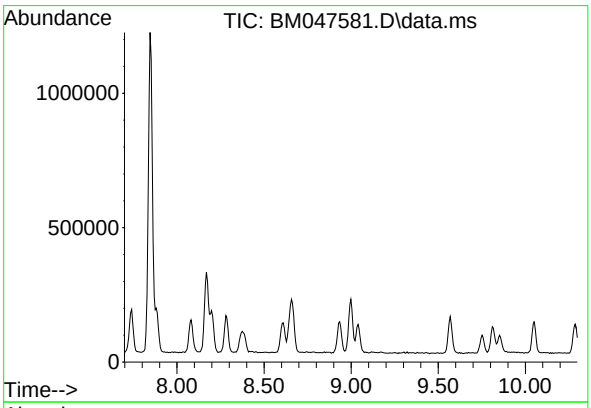
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1223771

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	7.6	6.0	9.0
68	6.1	4.6	7.0



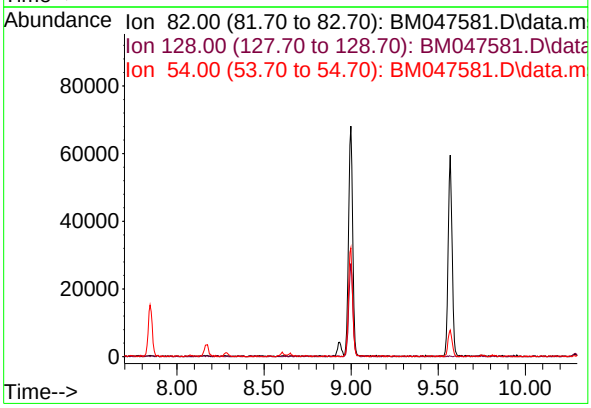


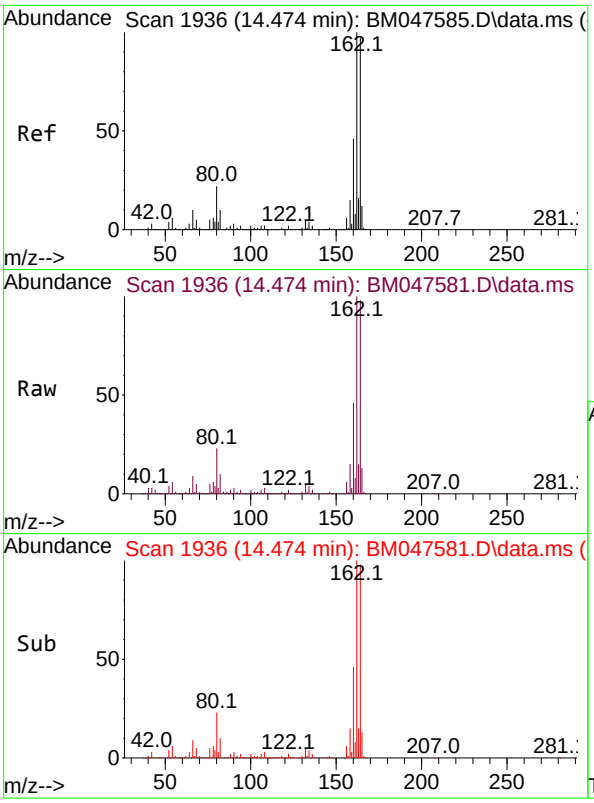
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.00 min

Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	40.6
54	46.9



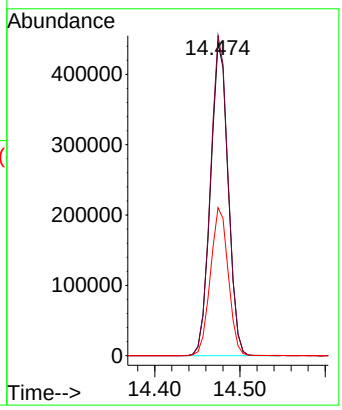


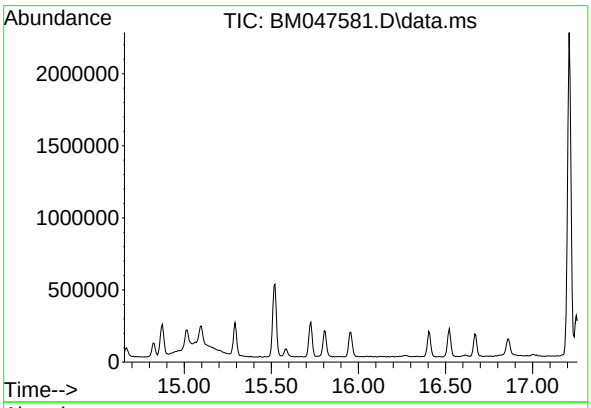
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 638196

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	47.2	37.8	56.6



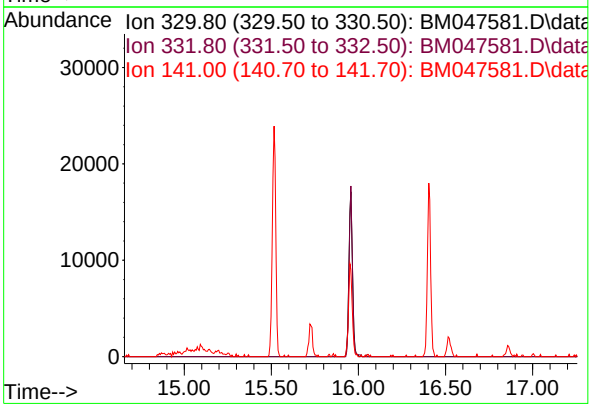


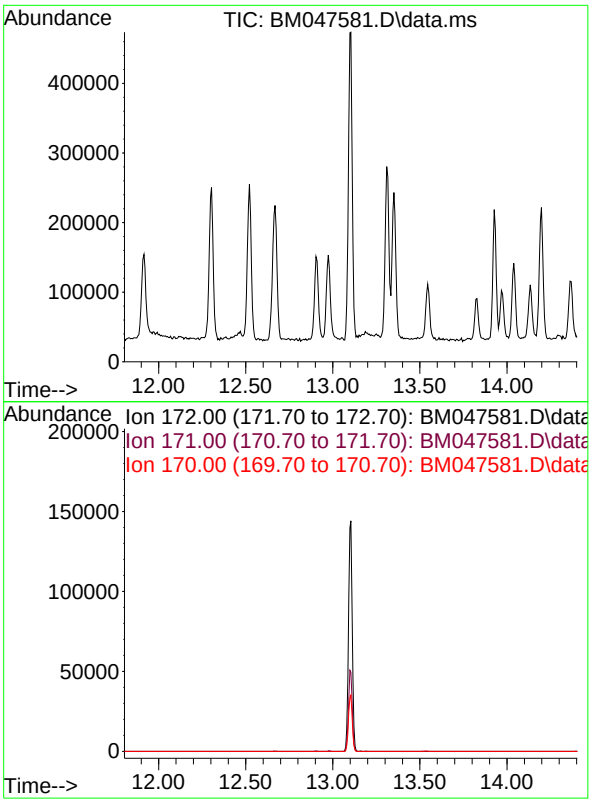
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.96 min

Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.2
141	57.4





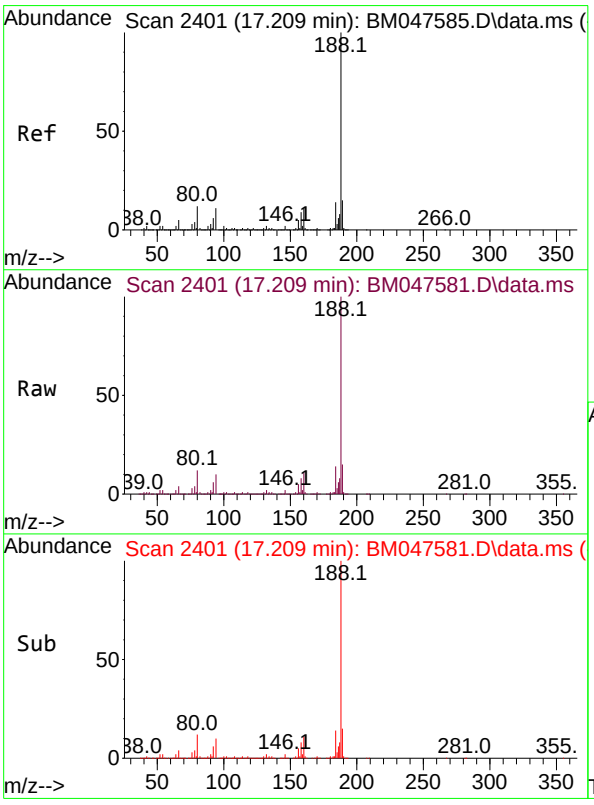
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.10 min

Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

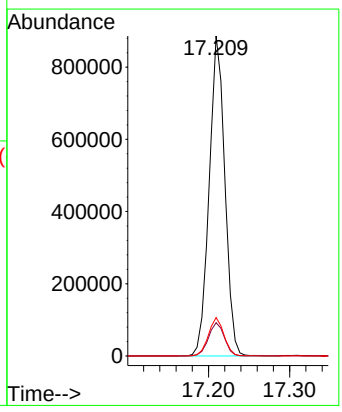
Sig	Exp Ratio
172	100
171	35.1
170	23.8

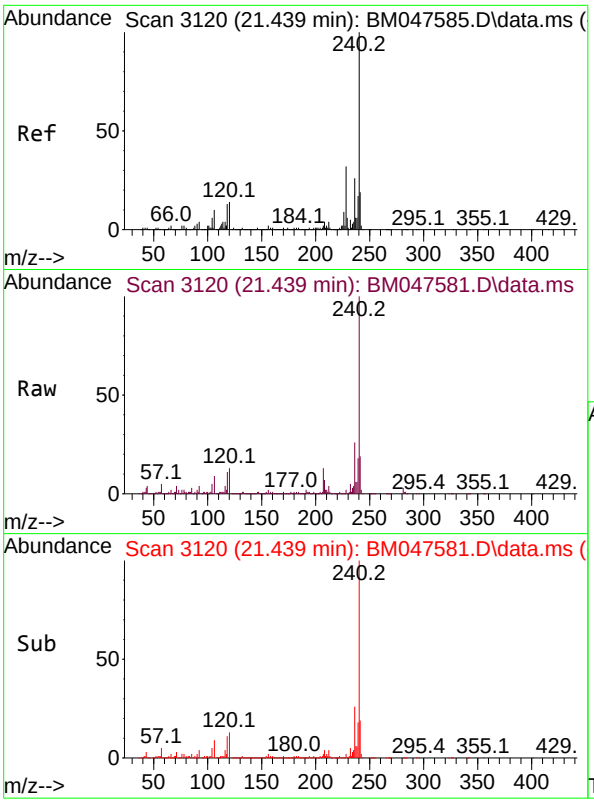


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Tgt Ion:188 Resp: 1188407

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	12.0	9.9	14.9



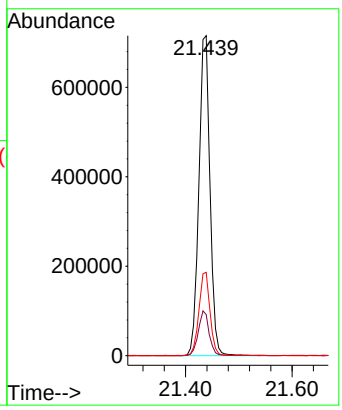


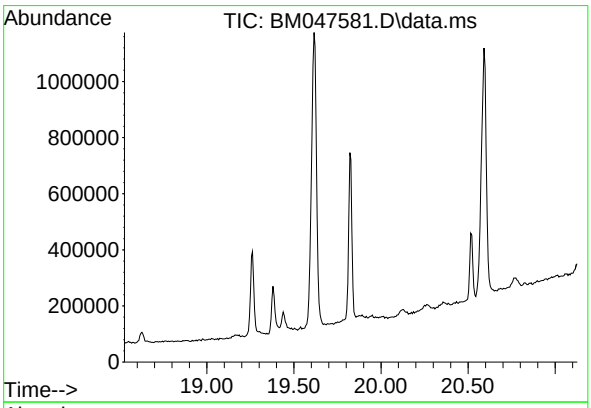
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1031871

Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.8	16.2
236	26.1	20.8	31.2



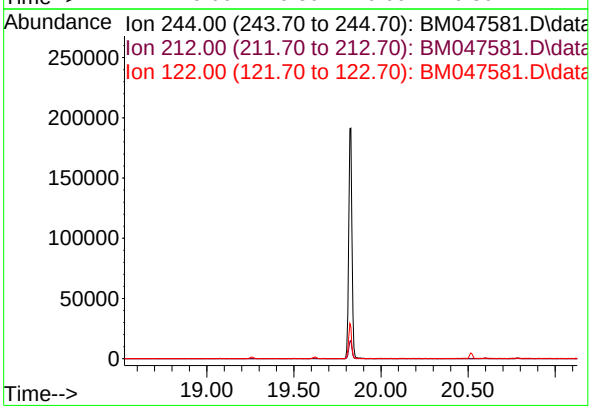


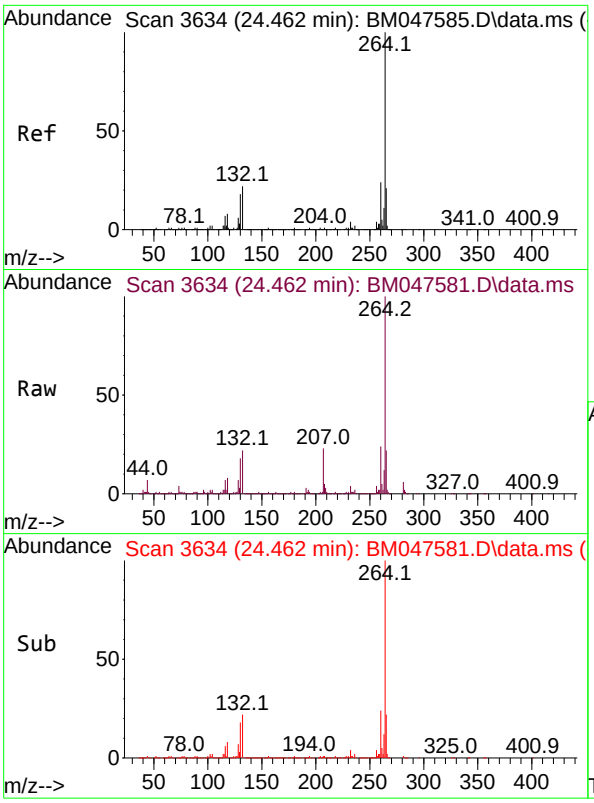
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.83 min

Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	12.5



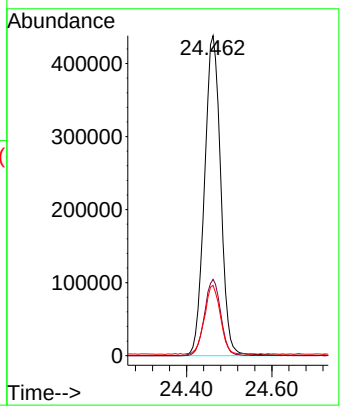


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047581.D
Acq: 20 Sep 2024 09:40

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1155247

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.0	17.0	25.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047582.D
Acq On : 20 Sep 2024 10:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:19:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	296339	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1164068	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	604842	20.000	ng		0.00
64) Phenanthrene-d10	17.210	188	1083851	20.000	ng		0.00
76) Chrysene-d12	21.433	240	884726	20.000	ng		0.00
86) Perylene-d12	24.456	264	990663	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	192865	9.974	ng		0.00
7) Phenol-d6	7.004	99	246457	9.673	ng		0.00
23) Nitrobenzene-d5	8.998	82	220833	9.444	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	47799	8.535	ng		0.00
45) 2-Fluorobiphenyl	13.098	172	420271	9.832	ng		0.00
79) Terphenyl-d14	19.827	244	449236	9.111	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	44837	5.325	ng		97
3) Pyridine	3.722	79	119208	5.104	ng		97
4) n-Nitrosodimethylamine	3.622	42	47100	4.867	ng	#	93
6) Aniline	7.169	93	111714	5.118	ng		99
8) 2-Chlorophenol	7.410	128	101703	5.024	ng		99
9) Benzaldehyde	6.981	77	74114m	5.693	ng		
10) Phenol	7.028	94	124363	4.916	ng		99
11) bis(2-Chloroethyl)ether	7.263	93	105407	5.184	ng		100
12) 1,3-Dichlorobenzene	7.740	146	118448	5.291	ng		98
13) 1,4-Dichlorobenzene	7.881	146	117430	5.184	ng		96
14) 1,2-Dichlorobenzene	8.198	146	113109	5.180	ng		98
15) Benzyl Alcohol	8.081	79	77526	4.716	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.381	45	135000	5.208	ng		100
17) 2-Methylphenol	8.281	107	78344	4.927	ng		96
18) Hexachloroethane	8.934	117	48360	5.264	ng		96
19) n-Nitroso-di-n-propyla...	8.651	70	75527	4.839	ng		95
20) 3+4-Methylphenols	8.604	107	104676	4.833	ng		94
22) Acetophenone	8.663	105	153971	5.077	ng	#	99
24) Nitrobenzene	9.040	77	117500	4.865	ng		99
25) Isophorone	9.569	82	188742	4.830	ng		98
26) 2-Nitrophenol	9.757	139	37532	4.420	ng		95
27) 2,4-Dimethylphenol	9.816	122	61257	5.061	ng		99
28) bis(2-Chloroethoxy)met...	10.051	93	126658	5.038	ng		98
29) 2,4-Dichlorophenol	10.286	162	71408	4.667	ng		99
30) 1,2,4-Trichlorobenzene	10.504	180	90420	5.184	ng		98
31) Naphthalene	10.692	128	313148	5.085	ng		99
32) Benzoic acid	9.863	122	42305m	3.745	ng		
33) 4-Chloroaniline	10.792	127	105588	4.863	ng		98
34) Hexachlorobutadiene	10.986	225	49953	5.263	ng		97
35) Caprolactam	11.539	113	22260	4.209	ng		88
36) 4-Chloro-3-methylphenol	11.916	107	79007	4.525	ng		96
37) 2-Methylnaphthalene	12.304	142	190861	4.933	ng		97
38) 1-Methylnaphthalene	12.522	142	188821	4.919	ng		98
40) 1,2,4,5-Tetrachloroben...	12.669	216	81691	5.118	ng		99
41) Hexachlorocyclopentadiene	12.657	237	26637	5.055	ng		98
43) 2,4,6-Trichlorophenol	12.904	196	48210	4.647	ng		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047582.D
Acq On : 20 Sep 2024 10:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 20 16:19:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.975	196	53293	4.571	ng		96
46) 1,1'-Biphenyl	13.310	154	236341	5.060	ng		98
47) 2-Chloronaphthalene	13.351	162	185433	5.074	ng		98
48) 2-Nitroaniline	13.545	65	43120	3.950	ng		96
49) Acenaphthylene	14.198	152	250304	4.759	ng		99
50) Dimethylphthalate	13.927	163	206523	4.945	ng		99
51) 2,6-Dinitrotoluene	14.039	165	35876	4.100	ng		89
52) Acenaphthene	14.539	154	171523m	4.935	ng		
53) 3-Nitroaniline	14.369	138	38835	3.870	ng	#	99
55) Dibenzofuran	14.874	168	251817	4.959	ng		100
56) 4-Nitrophenol	14.669	139	30154	3.507	ng		98
57) 2,4-Dinitrotoluene	14.821	165	43504	3.731	ng		96
58) Fluorene	15.521	166	202414	4.504	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	40878	4.586	ng		98
60) Diethylphthalate	15.292	149	208655	4.687	ng		99
61) 4-Chlorophenyl-phenyle...	15.516	204	90846	4.626	ng		99
62) 4-Nitroaniline	15.521	138	38092	3.369	ng		95
63) Azobenzene	15.804	77	217261	4.464	ng		99
66) n-Nitrosodiphenylamine	15.721	169	156021	4.820	ng		99
67) 4-Bromophenyl-phenylether	16.404	248	49166	4.994	ng		98
68) Hexachlorobenzene	16.521	284	58297	5.065	ng		93
69) Atrazine	16.668	200	42643	5.472	ng		94
70) Pentachlorophenol	16.863	266	29510	4.085	ng		96
71) Phenanthrene	17.251	178	286755	4.874	ng		98
72) Anthracene	17.345	178	257310	4.616	ng		99
73) Carbazole	17.604	167	266760	4.593	ng		98
74) Di-n-butylphthalate	18.180	149	307478	4.377	ng		99
75) Fluoranthene	19.256	202	286348	4.421	ng		99
77) Benzidine	19.439	184	72869	6.048	ng		97
78) Pyrene	19.621	202	300966	4.860	ng		100
80) Butylbenzylphthalate	20.521	149	116717	4.330	ng		99
81) Benzo(a)anthracene	21.415	228	282462	4.855	ng		99
82) 3,3'-Dichlorobenzidine	21.339	252	81102	4.489	ng		96
83) Chrysene	21.480	228	270120	4.883	ng		99
84) Bis(2-ethylhexyl)phtha...	21.350	149	184943	4.289	ng		99
85) Di-n-octyl phthalate	22.497	149	282500	4.246	ng	#	99
87) Indeno(1,2,3-cd)pyrene	27.874	276	315942	4.638	ng		96
88) Benzo(b)fluoranthene	23.503	252	281803	4.526	ng		99
89) Benzo(k)fluoranthene	23.568	252	278234	4.552	ng		98
90) Benzo(a)pyrene	24.315	252	240977	4.565	ng		99
91) Dibenzo(a,h)anthracene	27.938	278	263579	4.632	ng		97
92) Benzo(g,h,i)perylene	28.938	276	271957	4.769	ng		99

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

ICAL Form

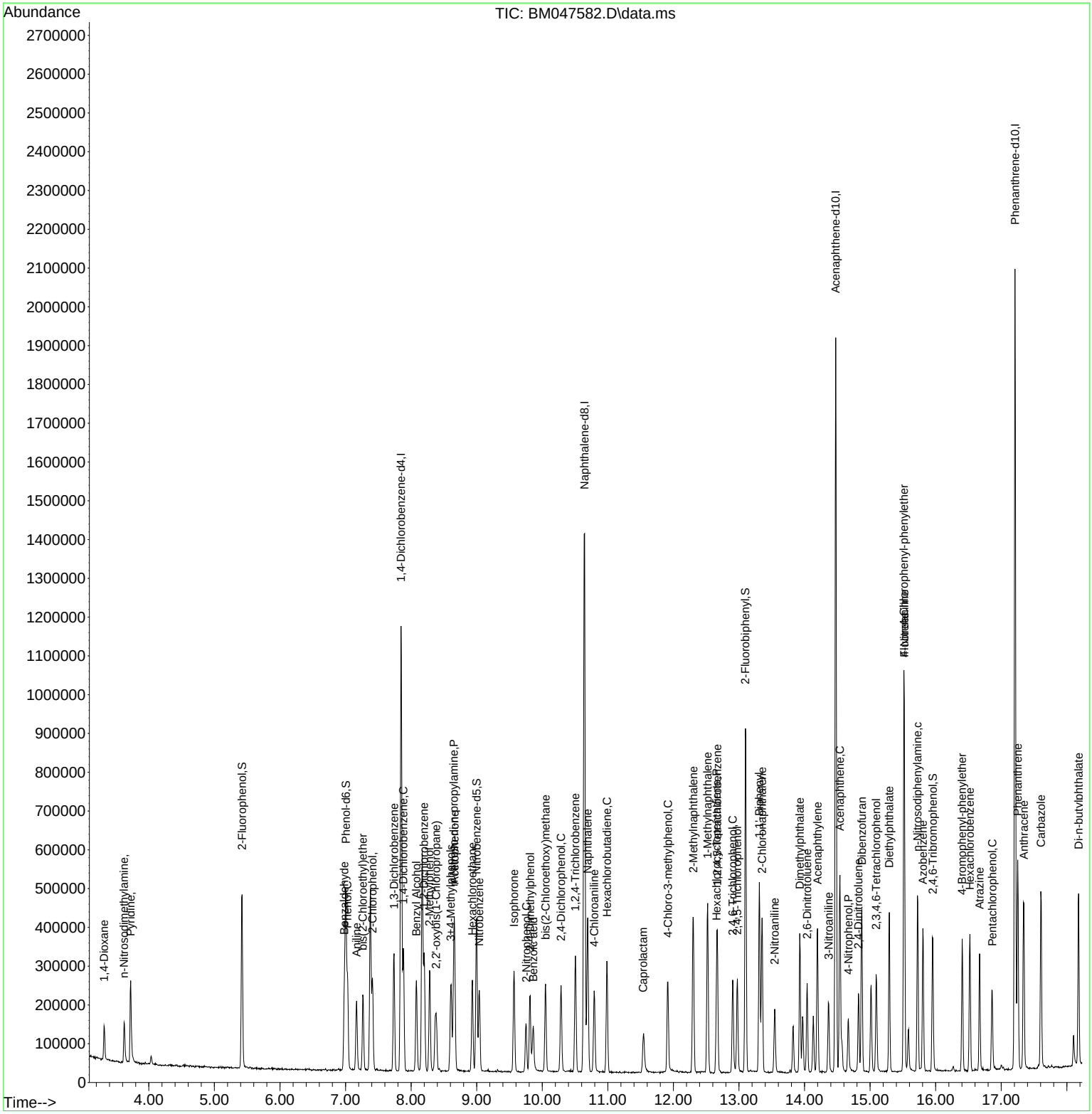
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047582.D
Acq On : 20 Sep 2024 10:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 20 16:19:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



ICAL Form

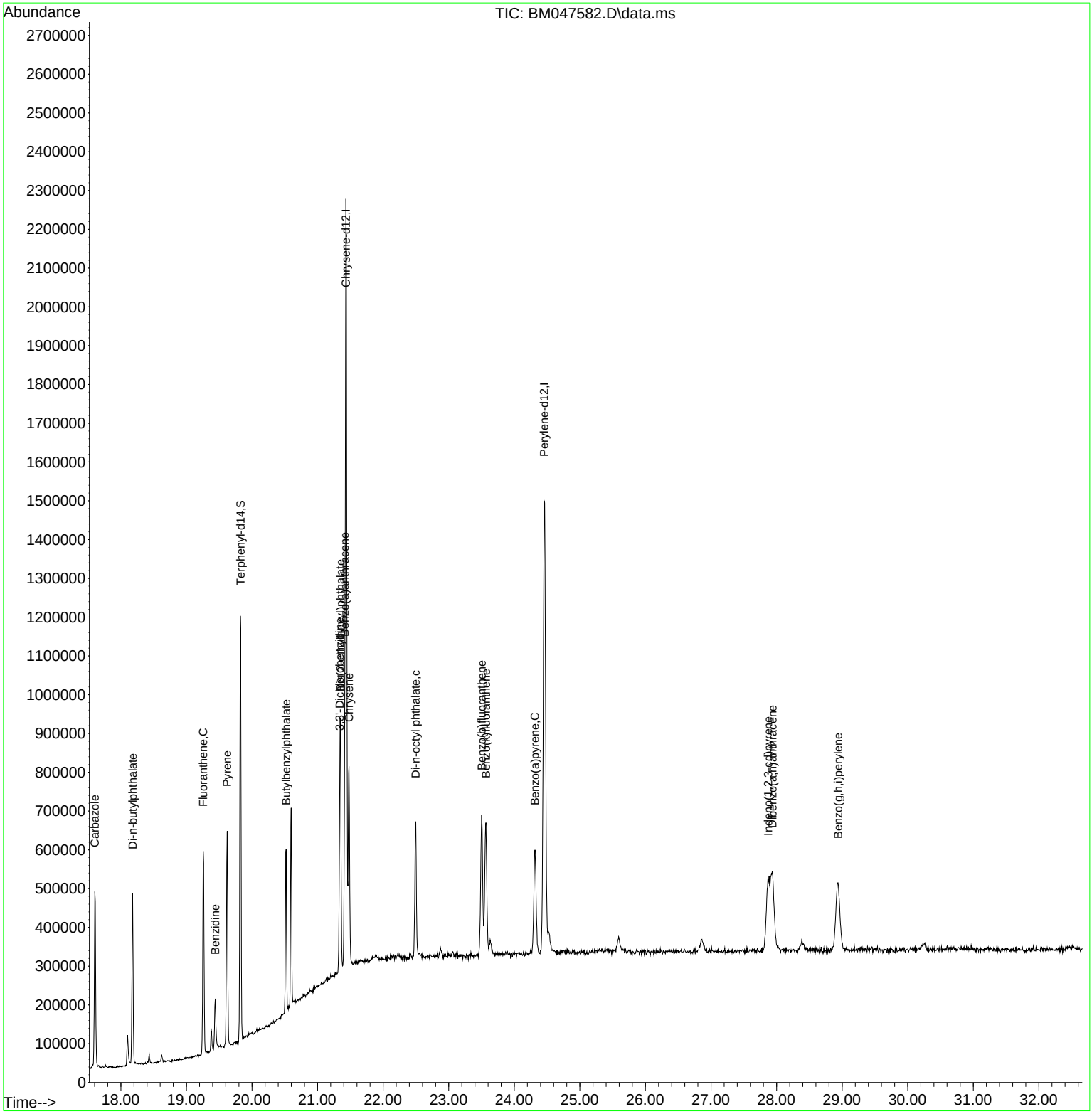
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047582.D
Acq On : 20 Sep 2024 10:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

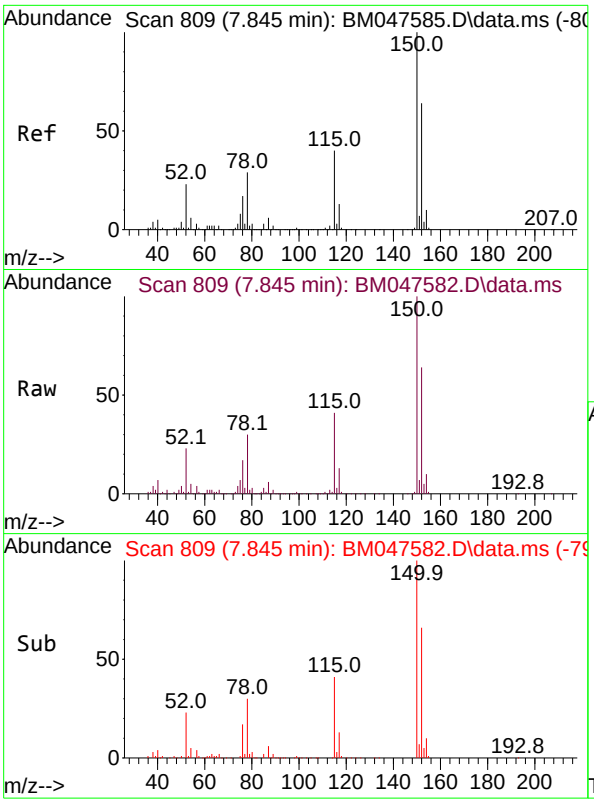
Quant Time: Sep 20 16:19:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

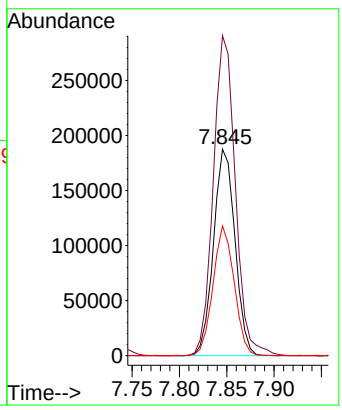




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:152 Resp: 29633

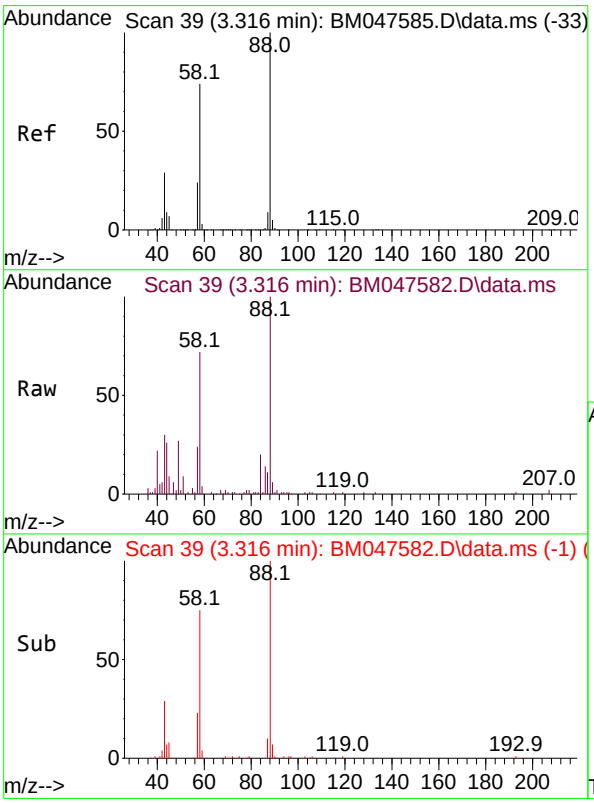
Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.5	186.7
115	62.9	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

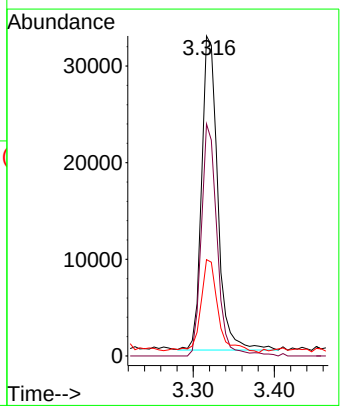
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

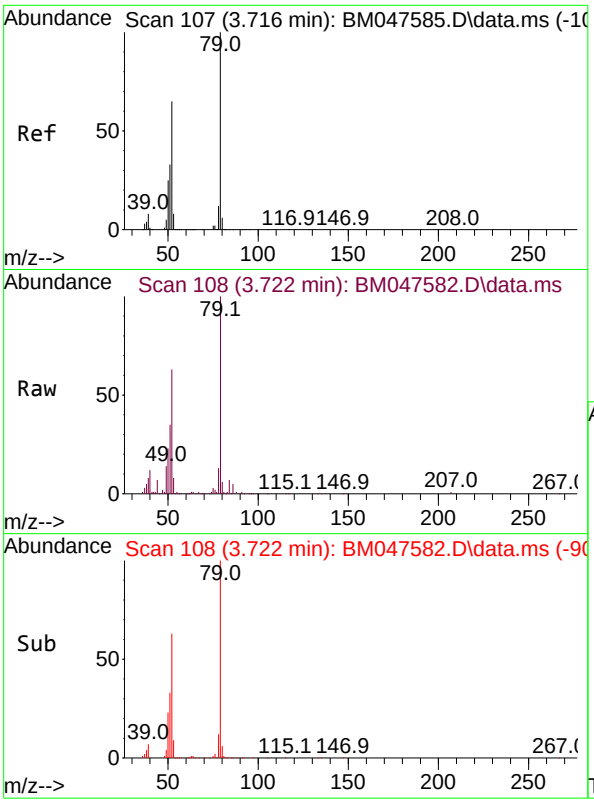


#2
1,4-Dioxane
Concen: 5.325 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 88 Resp: 44837

Ion	Ratio	Lower	Upper
88	100		
58	72.0	58.0	87.0
43	32.8	23.1	34.7





#3
Pyridine
Concen: 5.104 ng
RT: 3.722 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

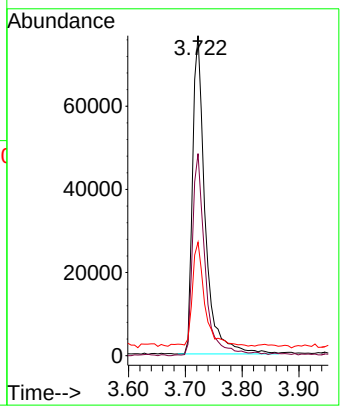
Tgt Ion: 79 Resp: 11920(

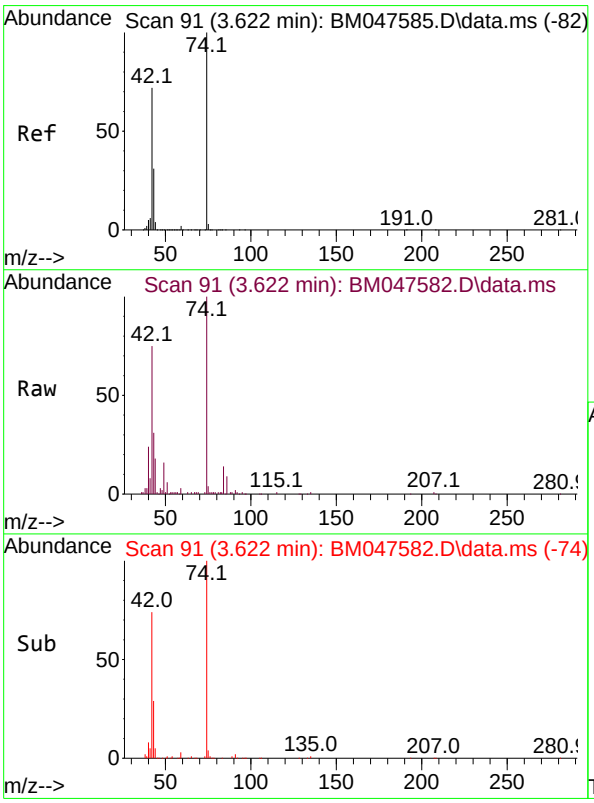
Ion	Ratio	Lower	Upper
79	100		
52	63.2	52.2	78.2
51	35.5	26.5	39.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

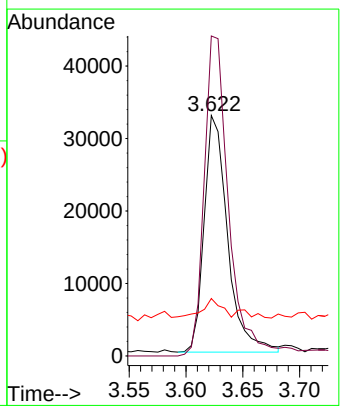


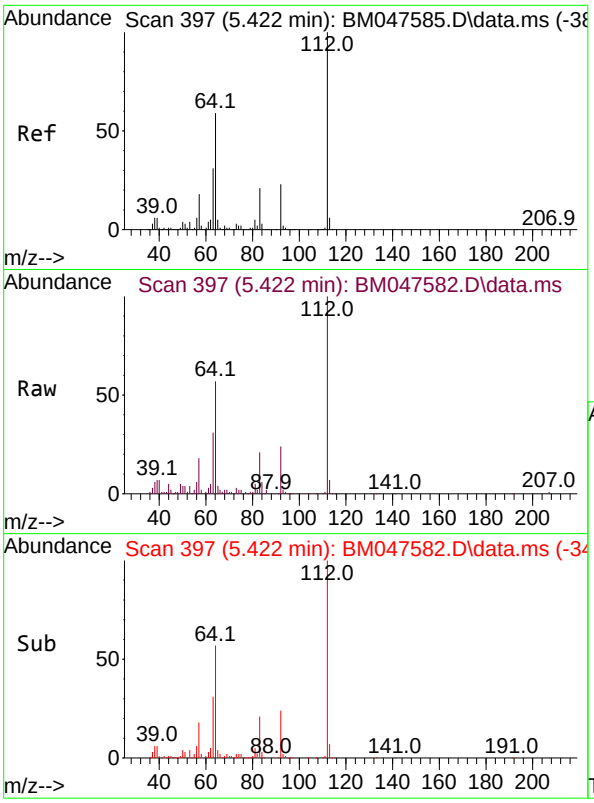


#4
n-Nitrosodimethylamine
Concen: 4.867 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 42 Resp: 47100

Ion	Ratio	Lower	Upper
42	100		
74	133.0	110.8	166.2
44	23.9	6.1	9.1#

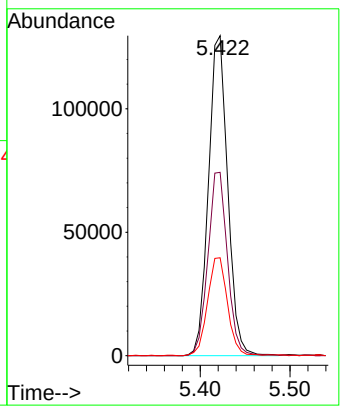




#5
2-Fluorophenol
Concen: 9.974 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:112 Resp: 19286

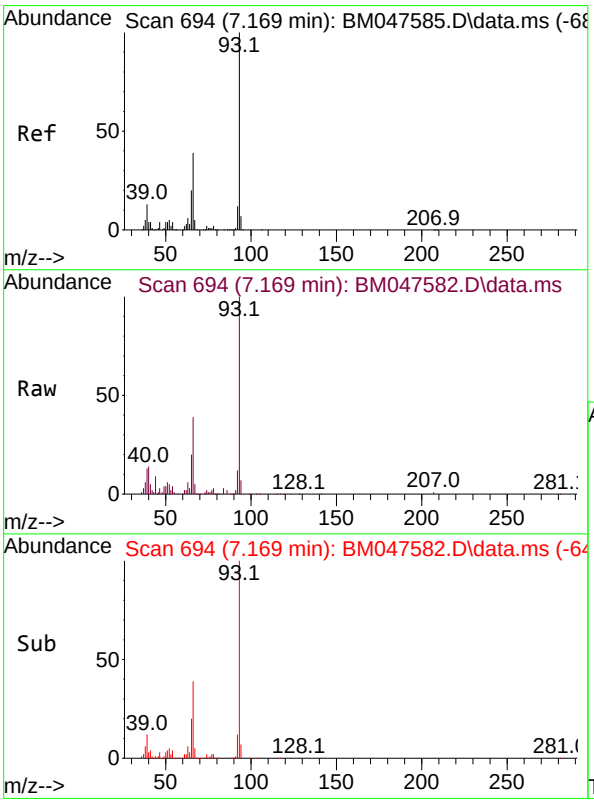
Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.8	70.2
63	30.6	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

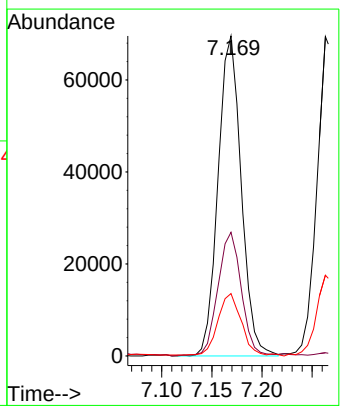
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

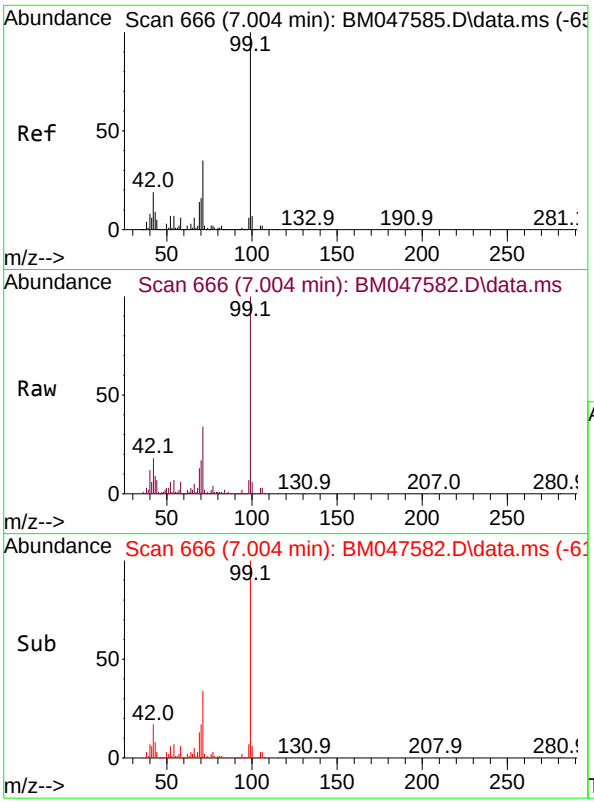


#6
Aniline
Concen: 5.118 ng
RT: 7.169 min Scan# 694
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 93 Resp: 111714

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.4	47.0
65	19.5	16.2	24.2

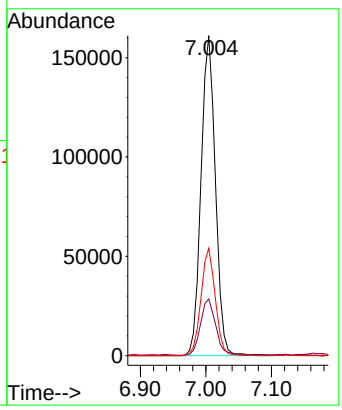




#7
Phenol-d6
Concen: 9.673 ng
RT: 7.004 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 99 Resp: 24645

Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.3	22.9
71	33.5	27.8	41.6



Instrument :
BNA_M
ClientSampleId :
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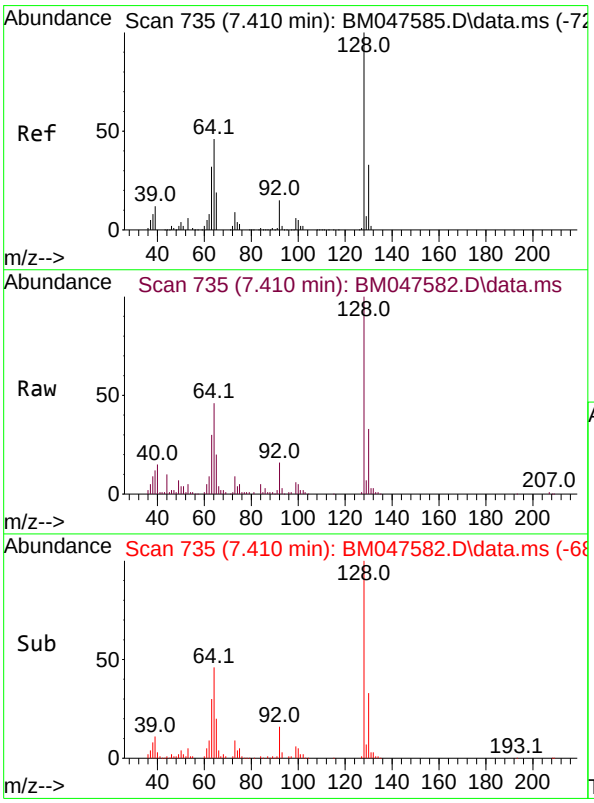
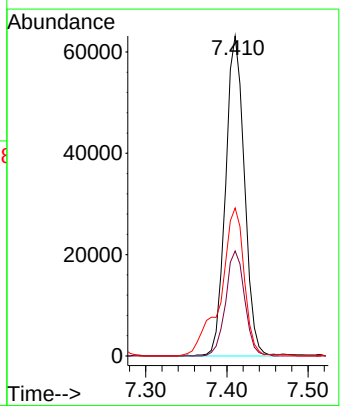
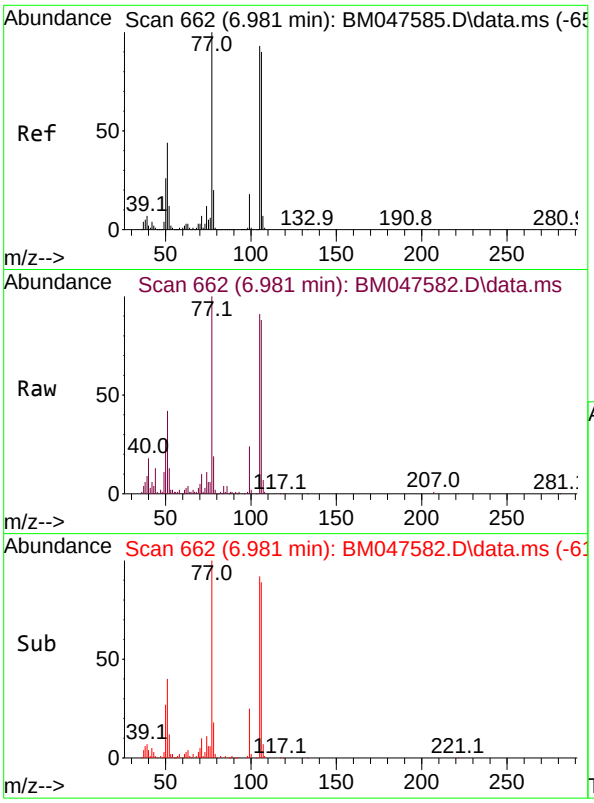


#8
2-Chlorophenol
Concen: 5.024 ng
RT: 7.410 min Scan# 735
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:128 Resp: 101703

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	46.3	27.6	67.6

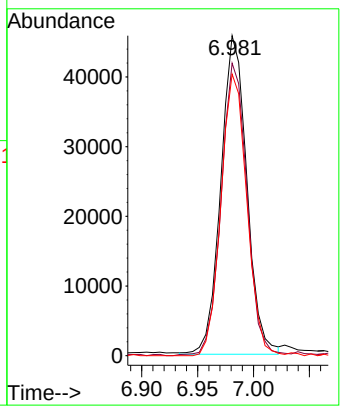




#9
Benzaldehyde
Concen: 5.693 ng m
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 77 Resp: 7411

Ion	Ratio	Lower	Upper
77	100		
105	91.4	73.0	113.0
106	88.0	70.3	110.3



Instrument :
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ClientSampleId :
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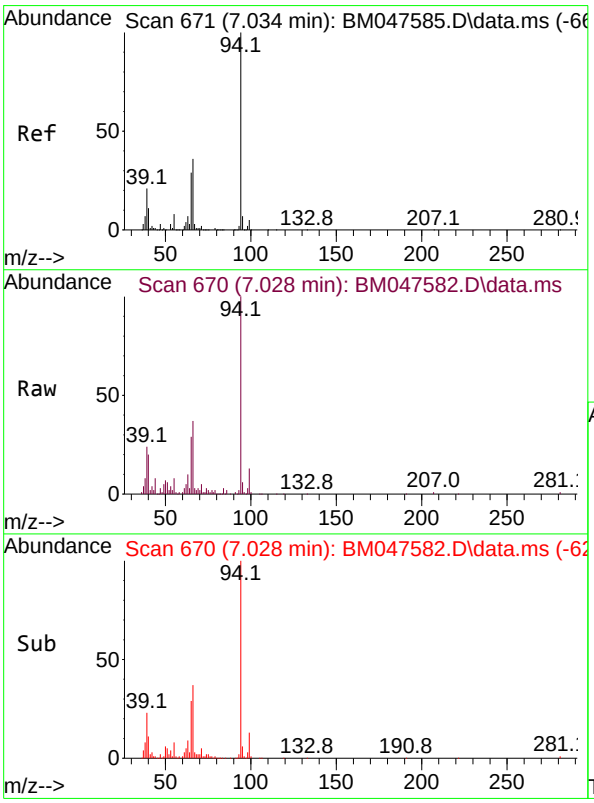
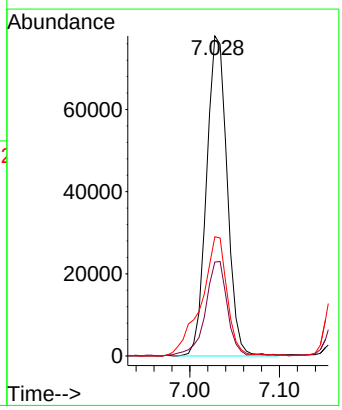
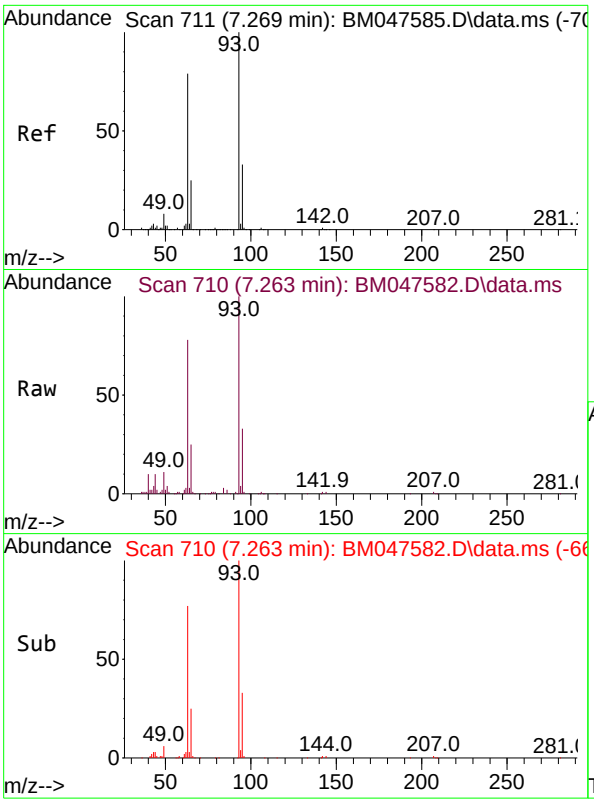


#10
Phenol
Concen: 4.916 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 94 Resp: 124363

Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.1	49.1
66	37.2	16.5	56.5

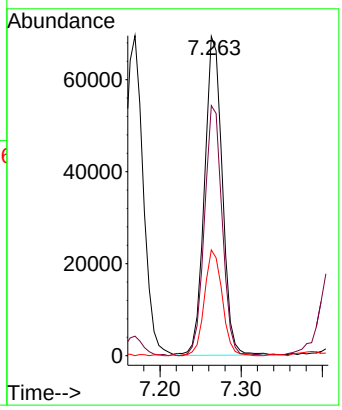




#11
bis(2-Chloroethyl)ether
Concen: 5.184 ng
RT: 7.263 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 93 Resp: 10540

Ion	Ratio	Lower	Upper
93	100		
63	78.3	58.5	98.5
95	33.1	12.9	52.9



Instrument :
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ClientSampleId :
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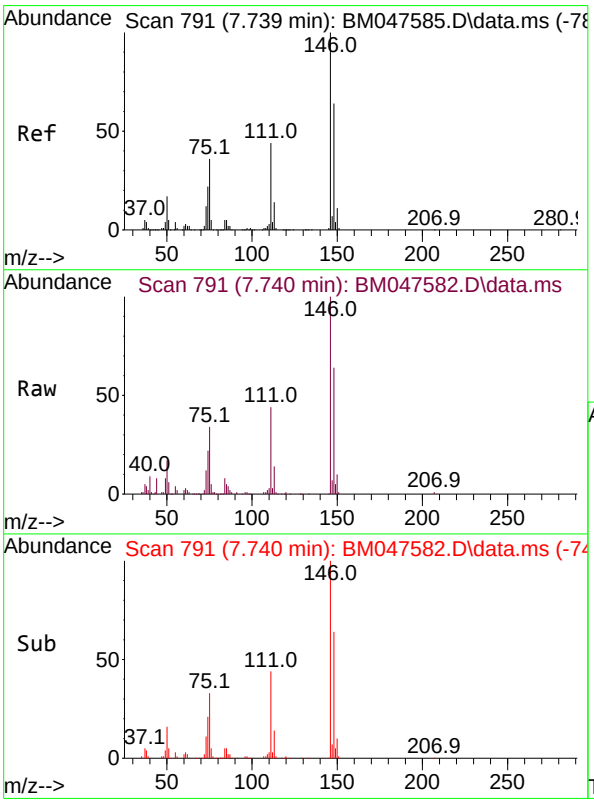
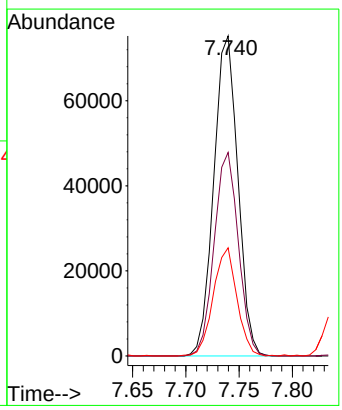
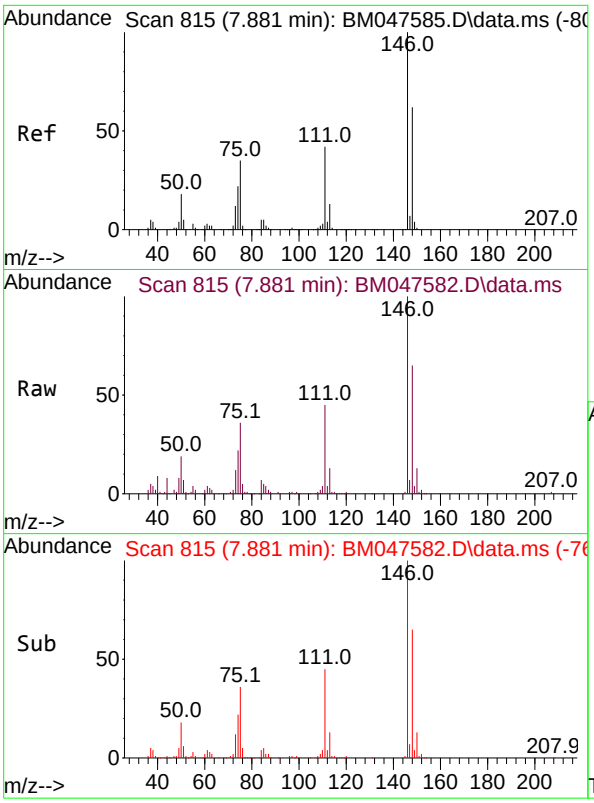


#12
1,3-Dichlorobenzene
Concen: 5.291 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:146 Resp: 118448

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
75	33.8	28.4	42.6

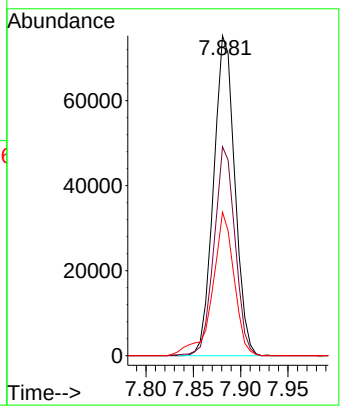




#13
1,4-Dichlorobenzene
Concen: 5.184 ng
RT: 7.881 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:146 Resp: 11743(

Ion	Ratio	Lower	Upper
146	100		
148	65.3	49.8	74.6
111	44.9	33.3	49.9



Instrument :
BNA_M
ClientSampleId :
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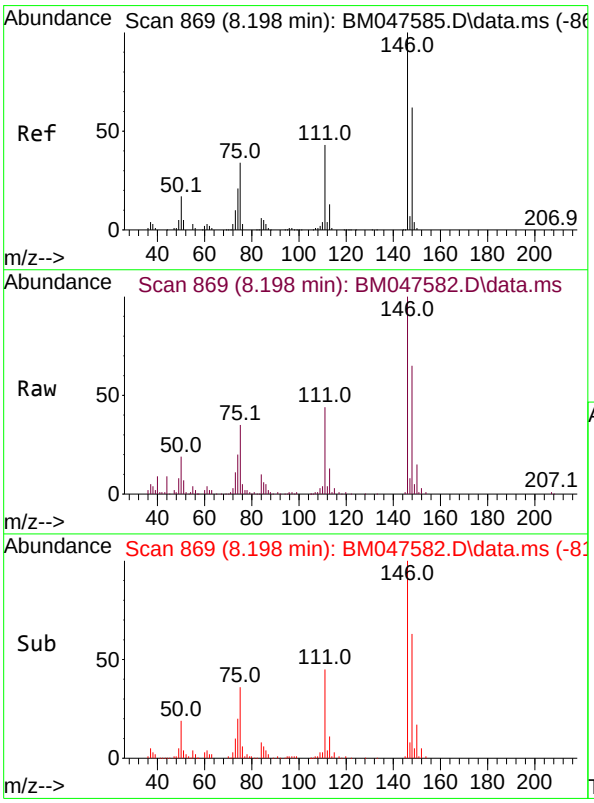
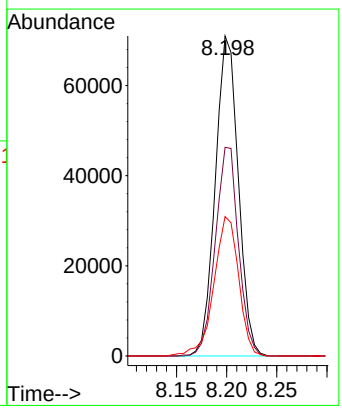
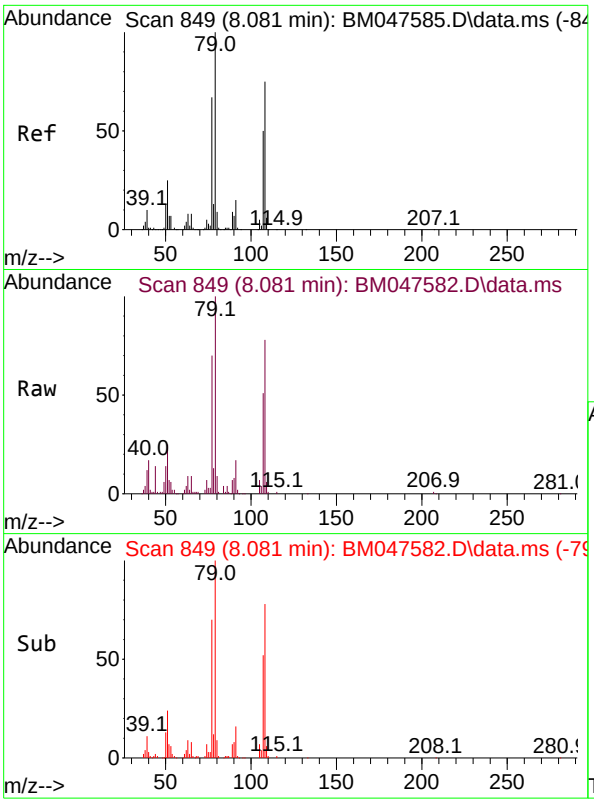


#14
1,2-Dichlorobenzene
Concen: 5.180 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:146 Resp: 113109

Ion	Ratio	Lower	Upper
146	100		
148	65.2	49.7	74.5
111	43.6	34.8	52.2

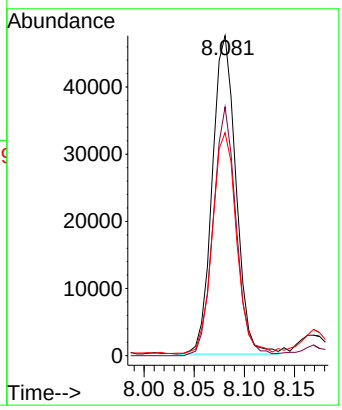




#15
Benzyl Alcohol
Concen: 4.716 ng
RT: 8.081 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 79 Resp: 7752

Ion	Ratio	Lower	Upper
79	100		
108	77.8	60.2	90.2
77	69.7	53.9	80.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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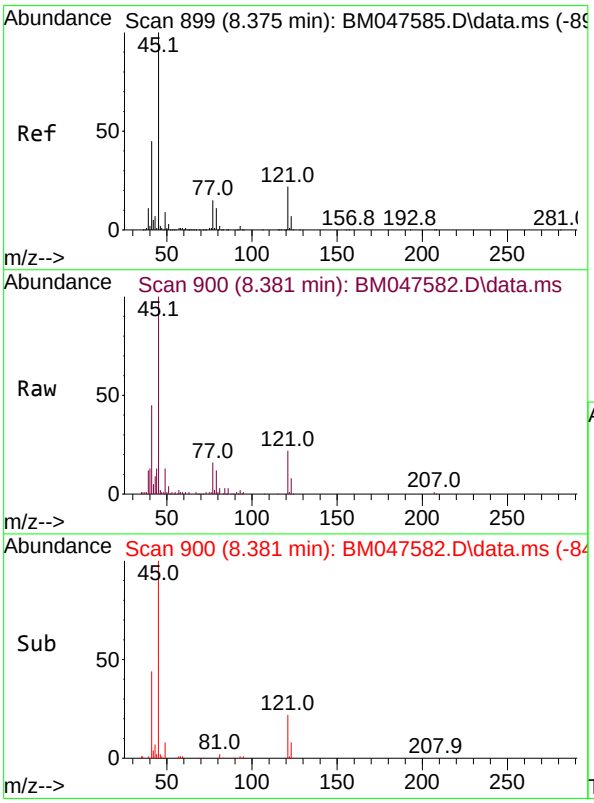
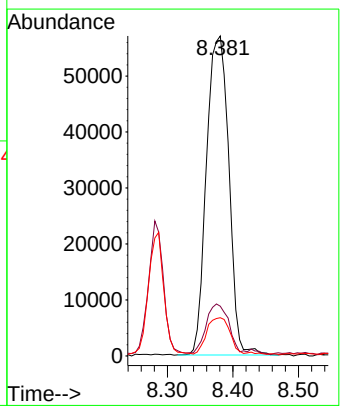
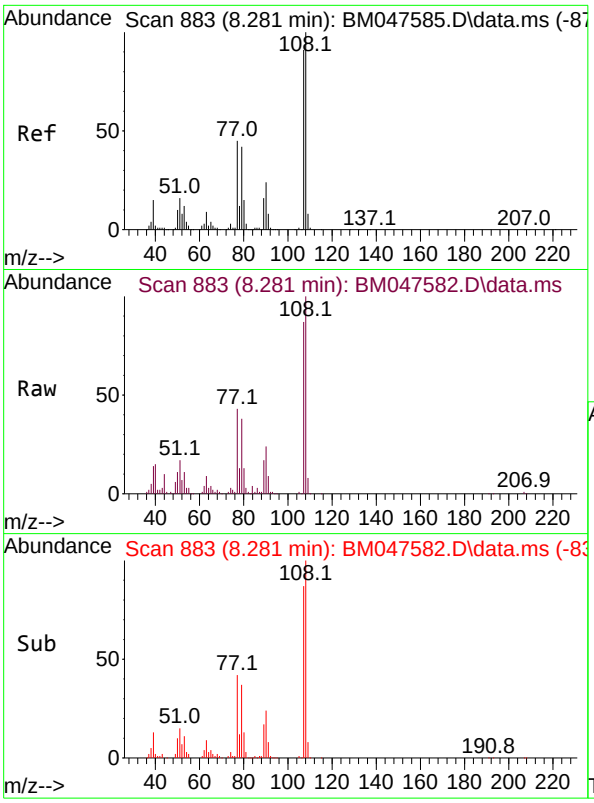


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.208 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 45 Resp: 135000

Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	35.5
79	11.9	0.0	31.6

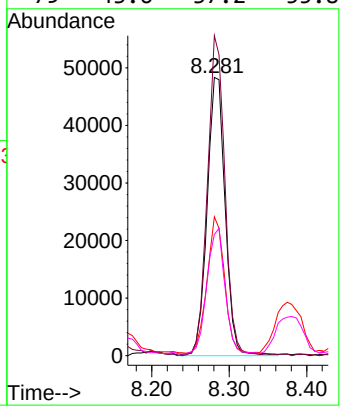




#17
2-Methylphenol
Concen: 4.927 ng
RT: 8.281 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:107 Resp: 7834

Ion	Ratio	Lower	Upper
107	100		
108	115.0	87.8	131.6
77	49.9	39.6	59.4
79	43.6	37.2	55.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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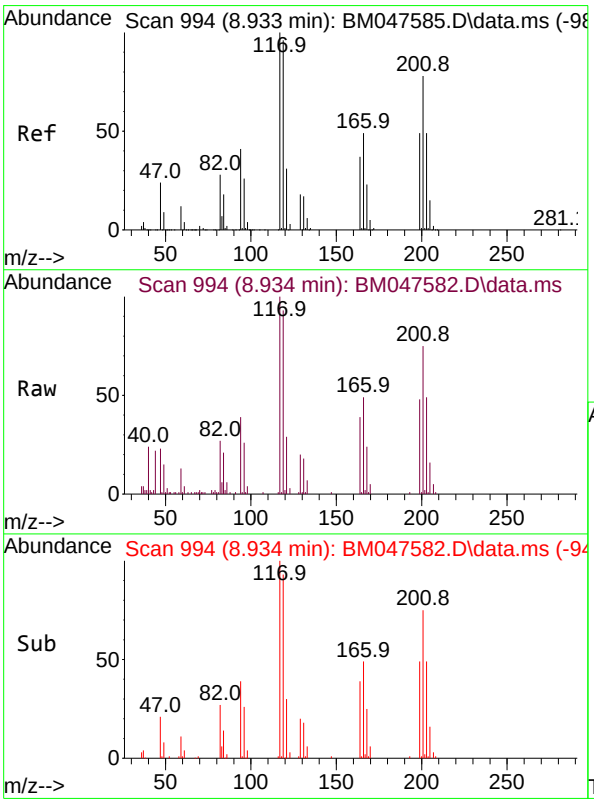
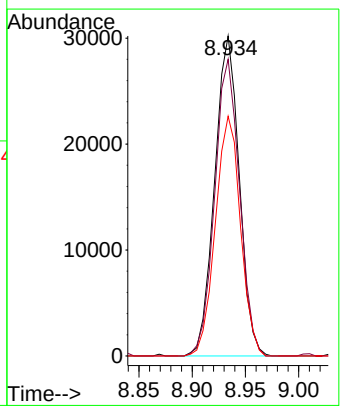
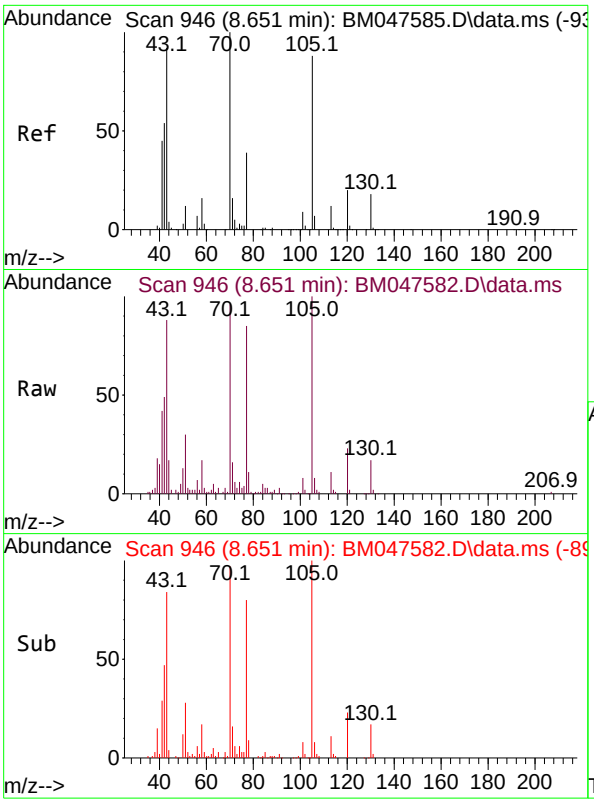


#18
Hexachloroethane
Concen: 5.264 ng
RT: 8.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:117 Resp: 48360

Ion	Ratio	Lower	Upper
117	100		
119	92.7	77.2	115.8
201	74.9	62.3	93.5

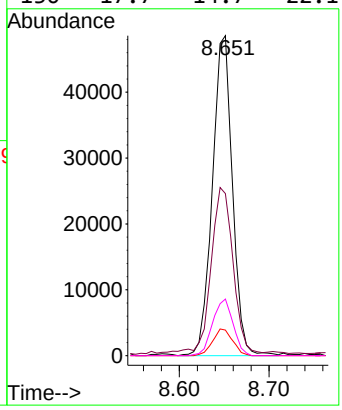




#19
n-Nitroso-di-n-propylamine
Concen: 4.839 ng
RT: 8.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 70 Resp: 7552

Ion	Ratio	Lower	Upper
70	100		
42	50.6	44.2	66.2
101	8.0	7.0	10.4
130	17.7	14.7	22.1



Instrument :
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ClientSampleId :
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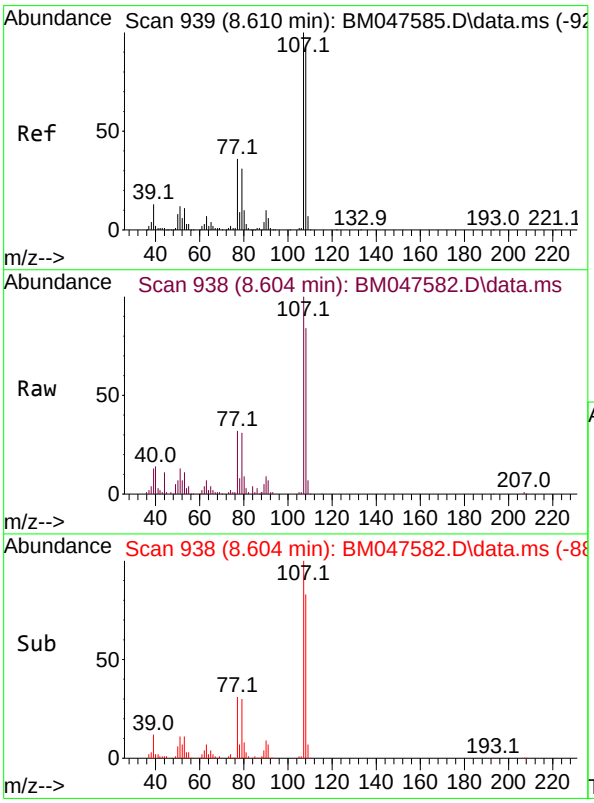
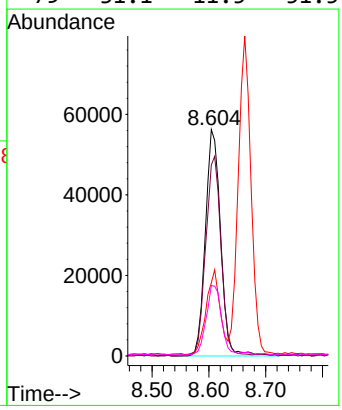
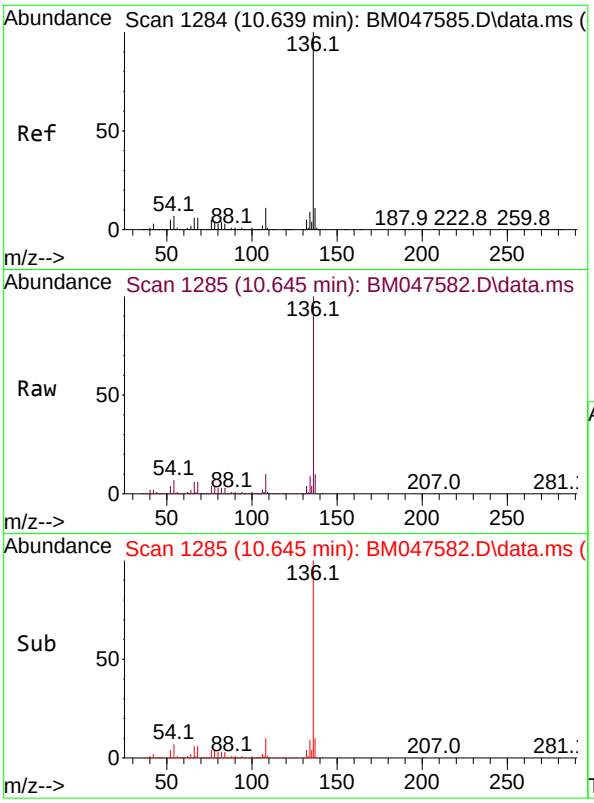


#20
3+4-Methylphenols
Concen: 4.833 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:107 Resp: 104676

Ion	Ratio	Lower	Upper
107	100		
108	84.4	71.8	111.8
77	32.3	16.1	56.1
79	31.1	11.5	51.5

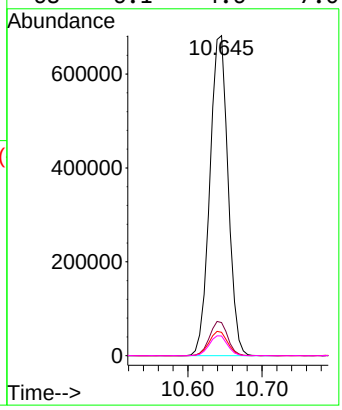




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:136 Resp: 116406

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	7.3	6.0	9.0
68	6.1	4.6	7.0



Instrument :
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ClientSampleId :
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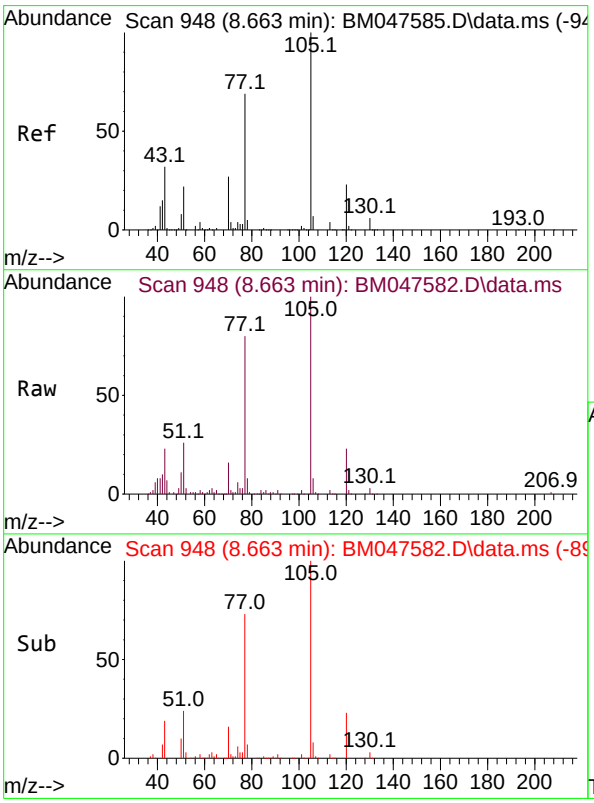
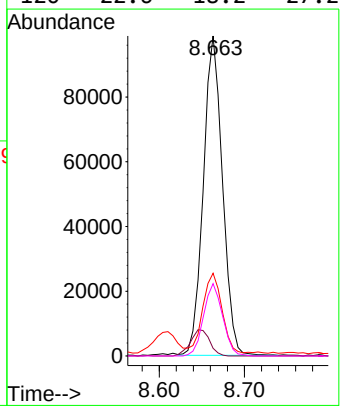
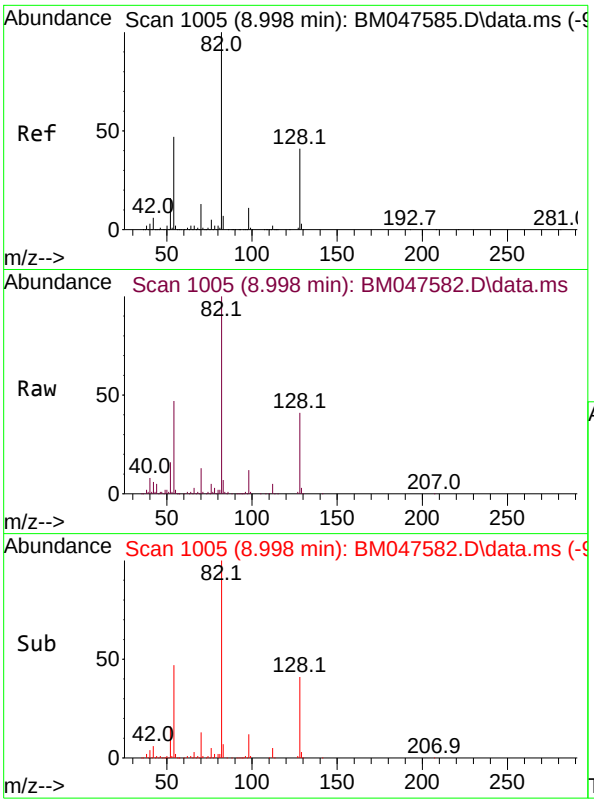


#22
Acetophenone
Concen: 5.077 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:105 Resp: 153971

Ion	Ratio	Lower	Upper
105	100		
71	2.4	3.4	5.2#
51	25.9	21.4	32.2
120	22.6	18.2	27.2

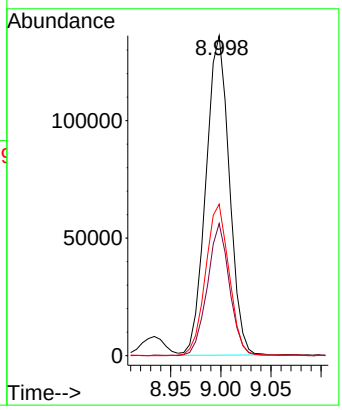




#23
Nitrobenzene-d5
Concen: 9.444 ng
RT: 8.998 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 82 Resp: 22083

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.5	48.7
54	47.4	37.5	56.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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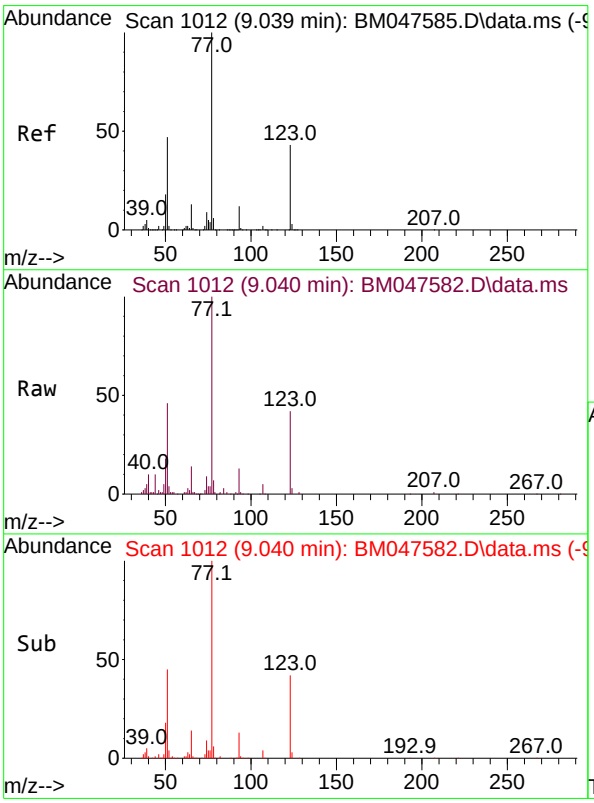
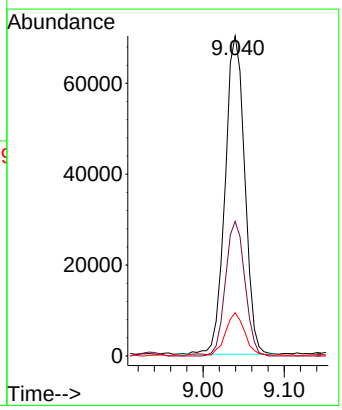
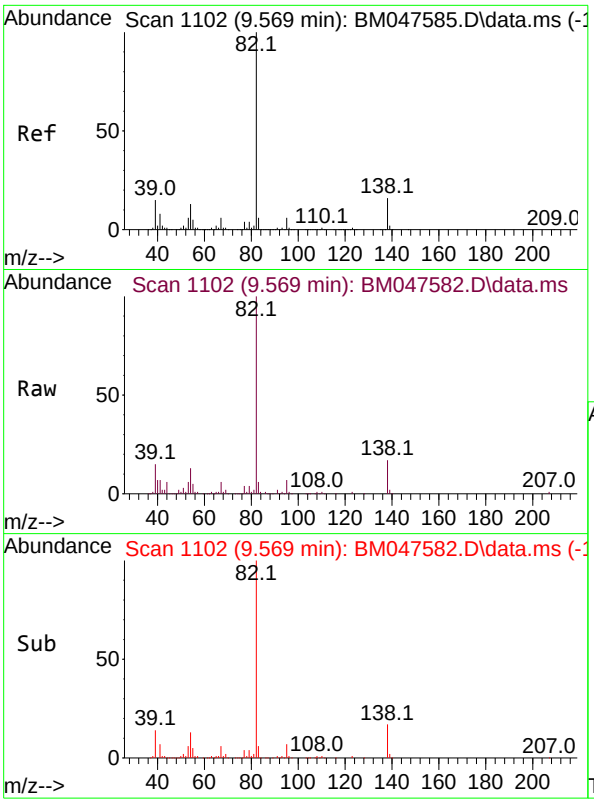


#24
Nitrobenzene
Concen: 4.865 ng
RT: 9.040 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 77 Resp: 117500

Ion	Ratio	Lower	Upper
77	100		
123	42.0	34.1	51.1
65	13.5	10.7	16.1





#25
Isophorone
Concen: 4.830 ng
RT: 9.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 82 Resp: 18874

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.0	7.6
138	16.8	12.9	19.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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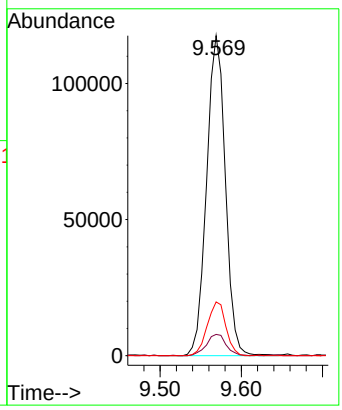
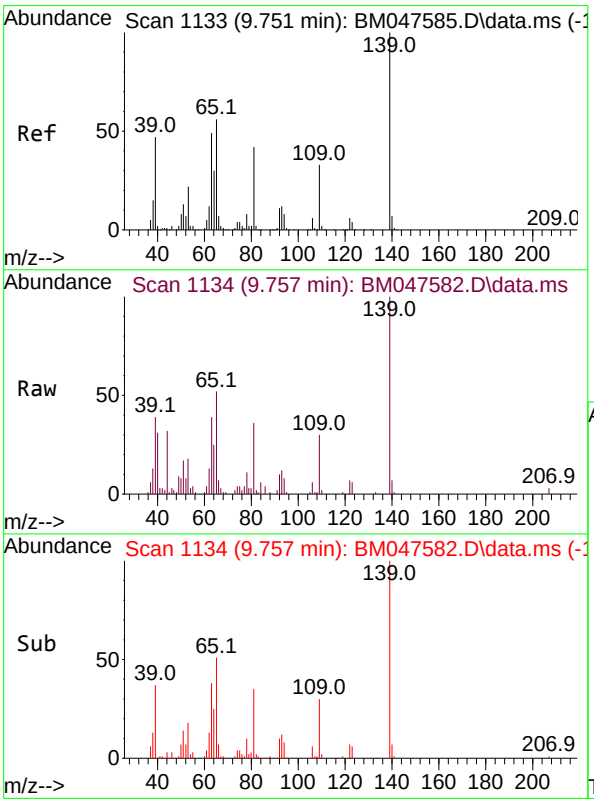
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

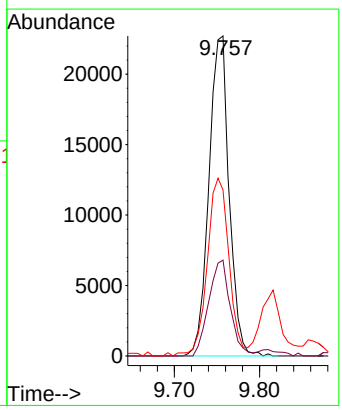


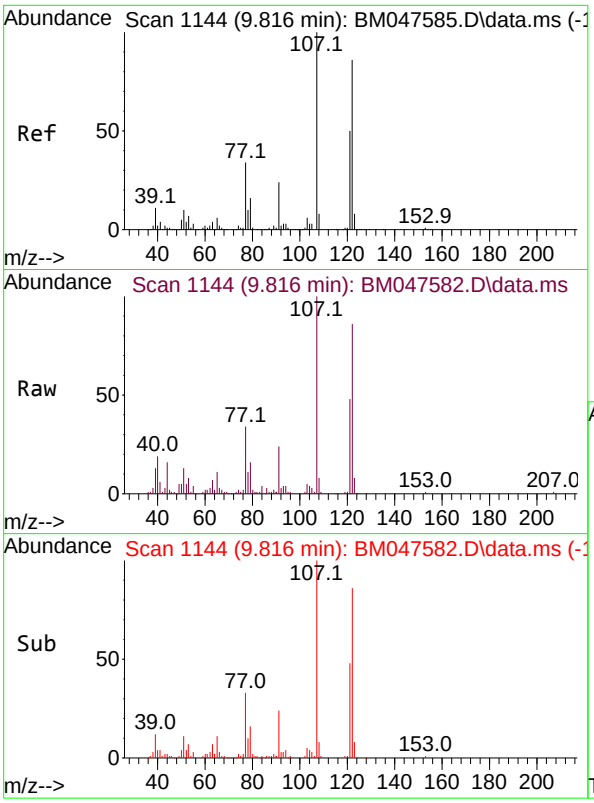


#26
2-Nitrophenol
Concen: 4.420 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:139 Resp: 37532

Ion	Ratio	Lower	Upper
139	100		
109	30.0	26.1	39.1
65	51.8	44.7	67.1

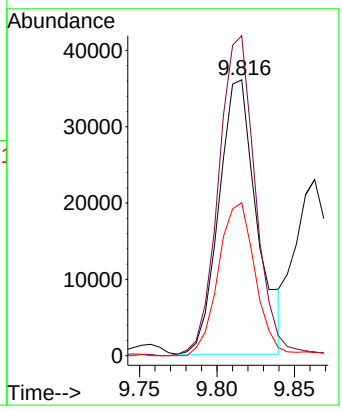




#27
2,4-Dimethylphenol
Concen: 5.061 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:122 Resp: 6125

Ion	Ratio	Lower	Upper
122	100		
107	116.0	92.2	138.2
121	55.5	45.8	68.6



Instrument :
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ClientSampleId :
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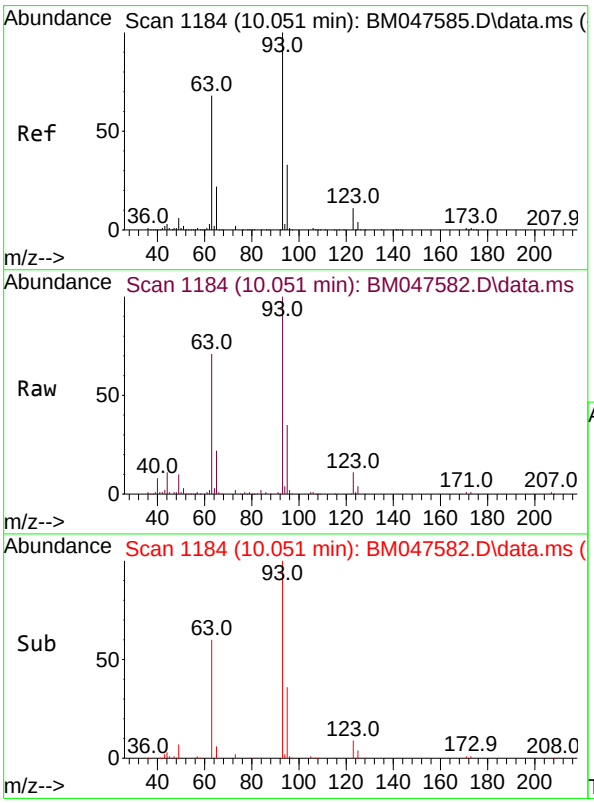
Supervised By :mohammad ahmed

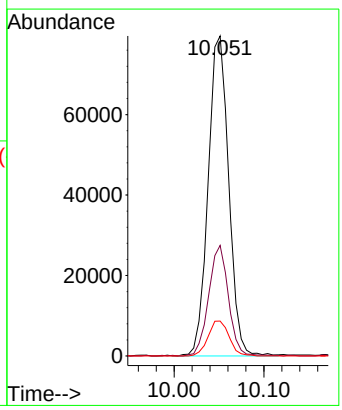
09/24/2024

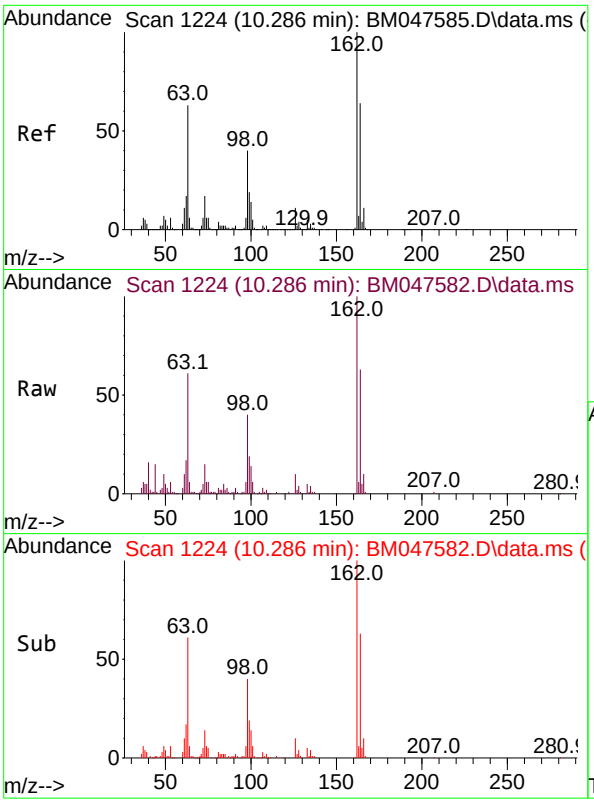


#28
bis(2-Chloroethoxy)methane
Concen: 5.038 ng
RT: 10.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 93 Resp: 126658

Ion	Ratio	Lower	Upper
93	100		
95	34.5	26.2	39.4
123	10.9	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 4.667 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:162 Resp: 7140

Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.9	83.9
98	39.8	20.3	60.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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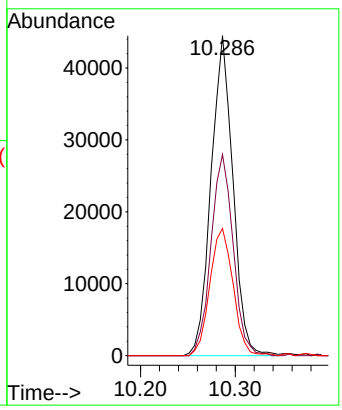
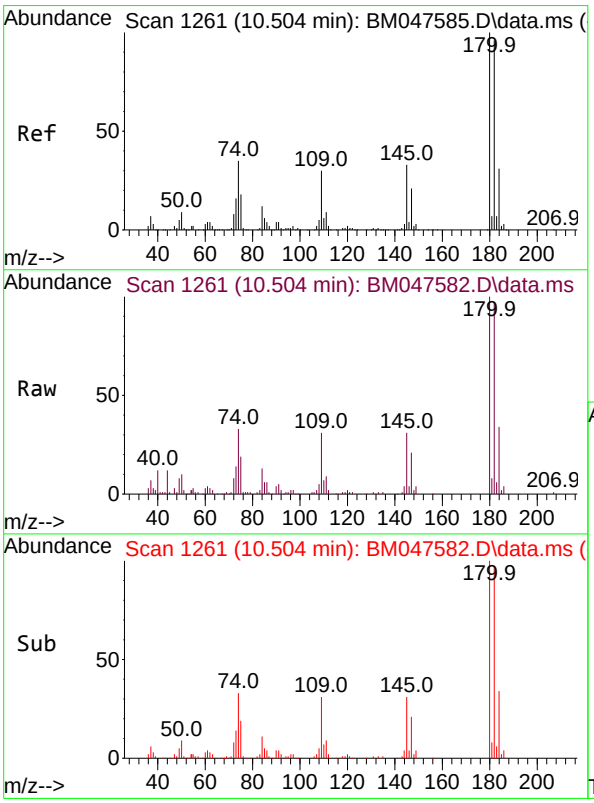
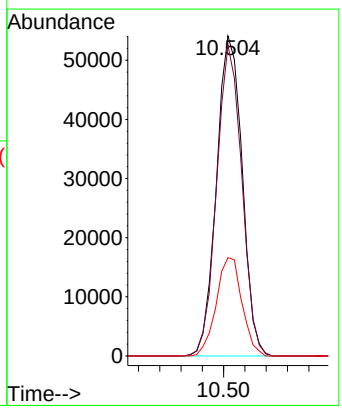


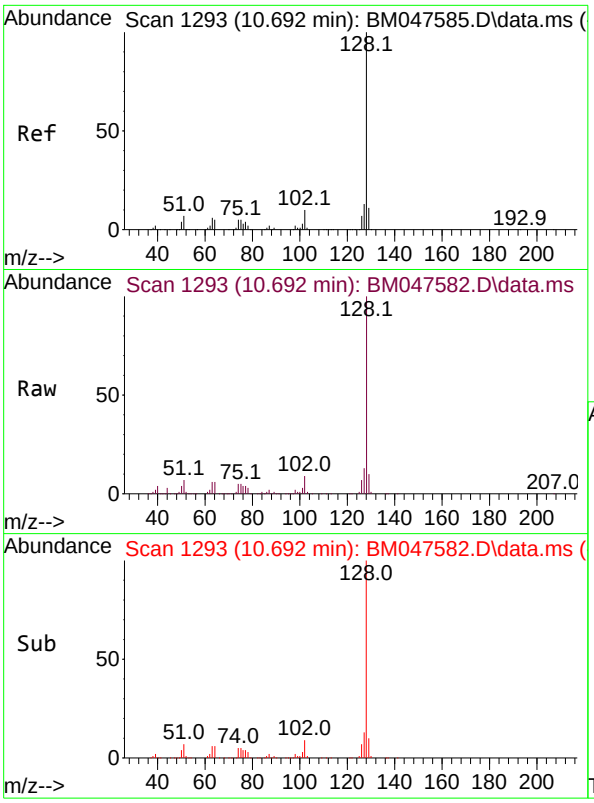


#30
1,2,4-Trichlorobenzene
Concen: 5.184 ng
RT: 10.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:180 Resp: 90420

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.6	115.0
145	30.7	26.2	39.2

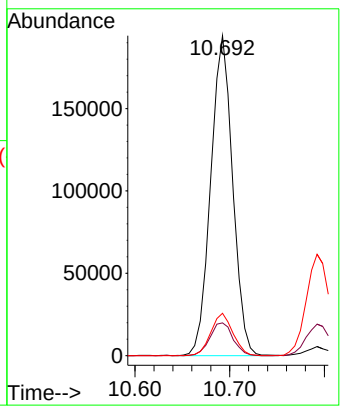




#31
Naphthalene
Concen: 5.085 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:128 Resp: 31314

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	13.3	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
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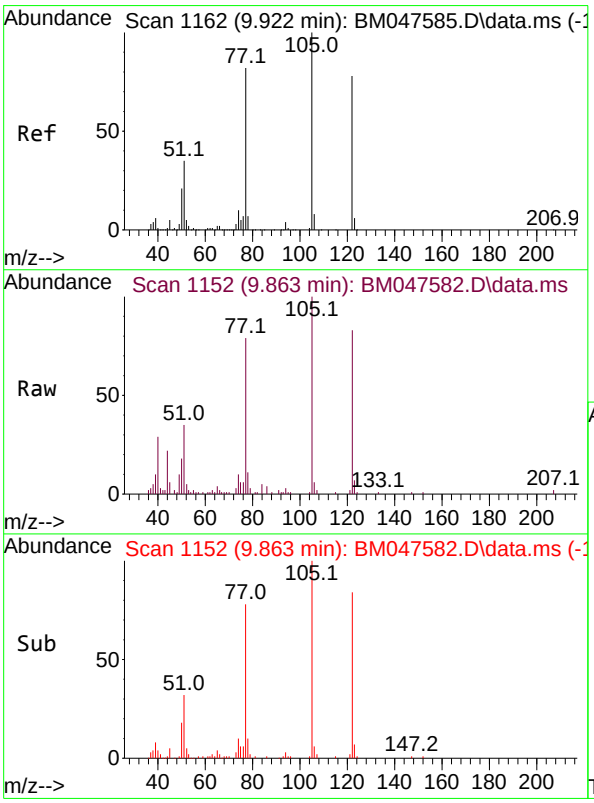
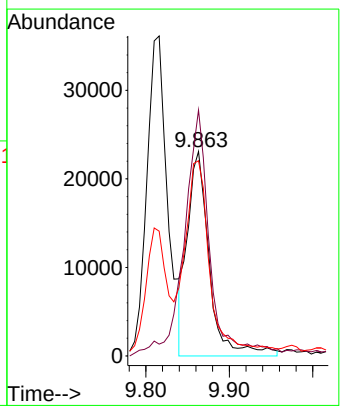
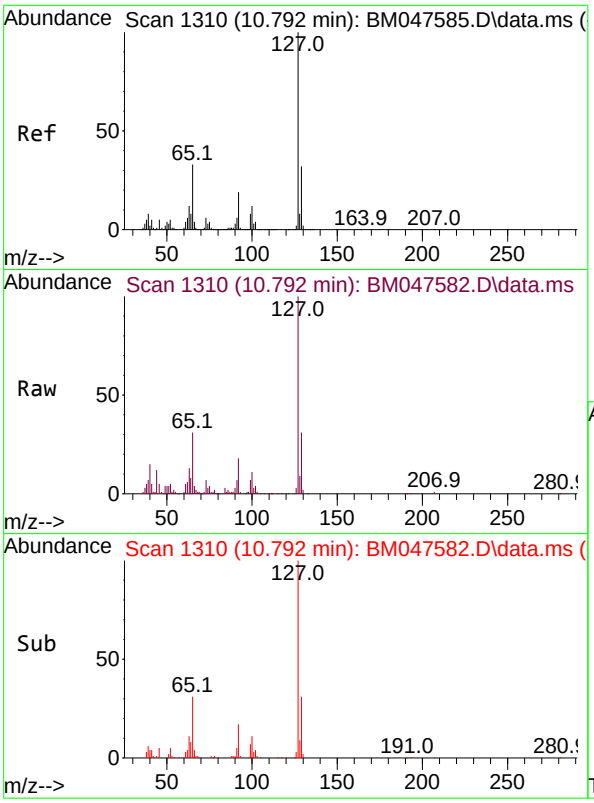


#32
Benzoic acid
Concen: 3.745 ng m
RT: 9.863 min Scan# 1152
Delta R.T. -0.059 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:122 Resp: 42305

Ion	Ratio	Lower	Upper
122	100		
105	120.3	103.1	143.1
77	95.5	82.4	122.4

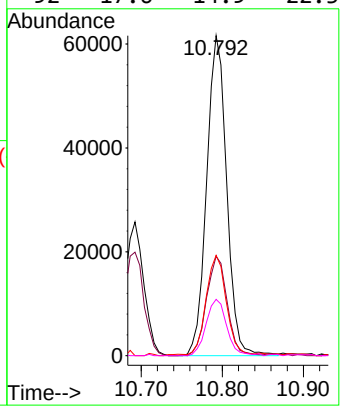




#33
4-Chloroaniline
Concen: 4.863 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:127 Resp: 10558

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.6	38.4
65	31.3	26.1	39.1
92	17.6	14.9	22.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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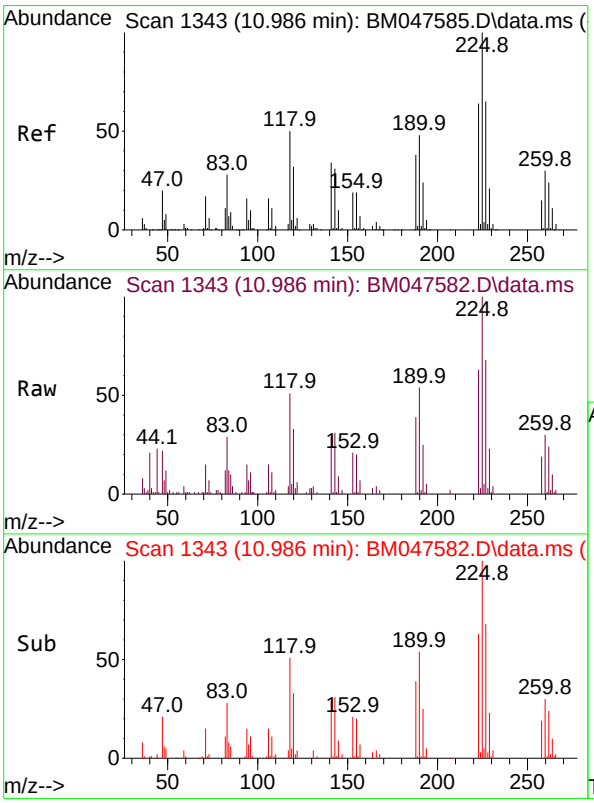
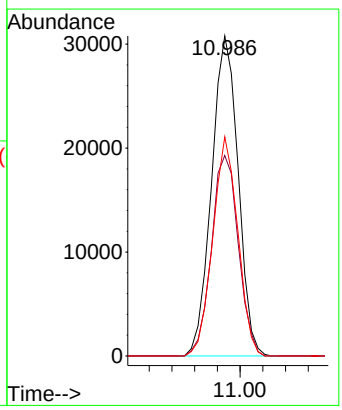
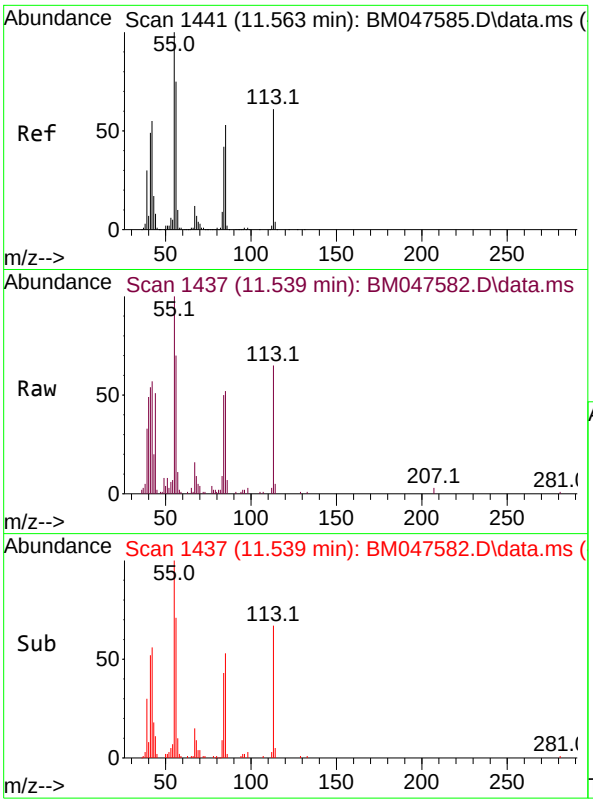


#34
Hexachlorobutadiene
Concen: 5.263 ng
RT: 10.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:225 Resp: 49953

Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.4	77.0
227	68.5	52.1	78.1





#35
Caprolactam
Concen: 4.209 ng
RT: 11.539 min Scan# 14
Delta R.T. -0.023 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:113 Resp: 2226

Ion	Ratio	Lower	Upper
113	100		
55	153.1	145.5	185.5
56	106.4	103.9	143.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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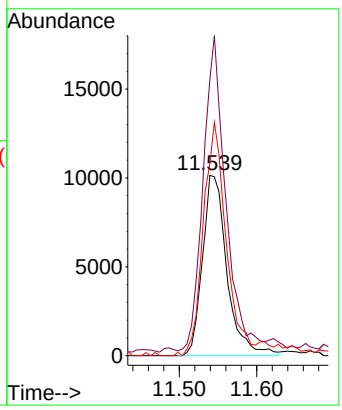
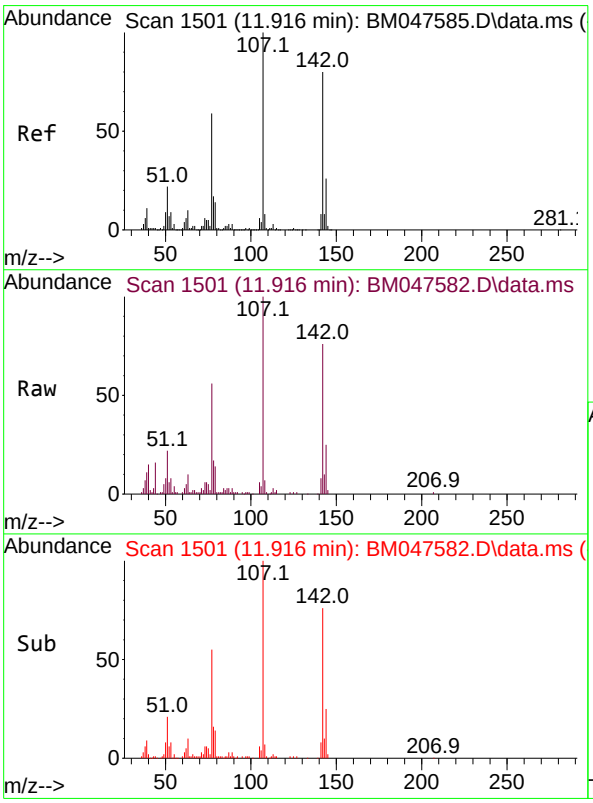
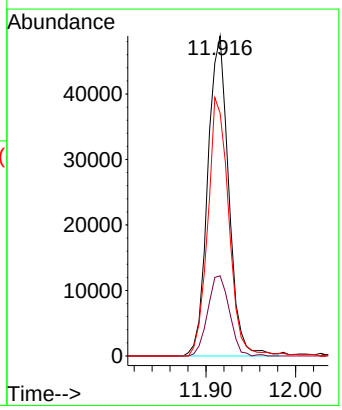


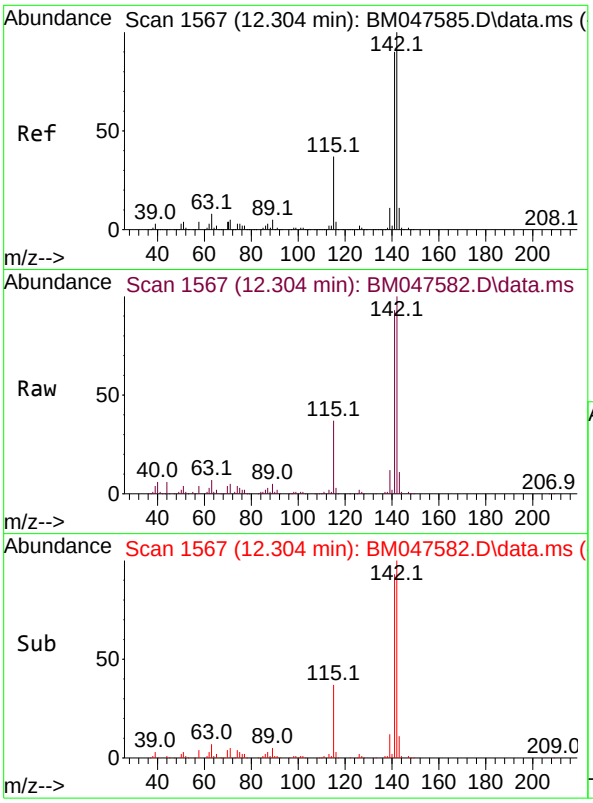


#36
4-Chloro-3-methylphenol
Concen: 4.525 ng
RT: 11.916 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:107 Resp: 79007

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	75.9	63.9	95.9

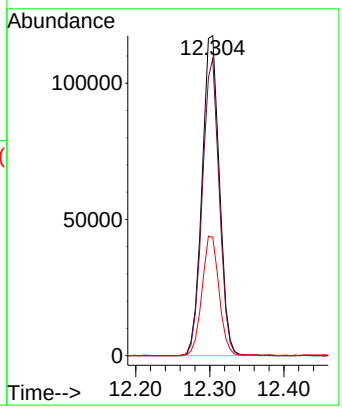




#37
2-Methylnaphthalene
Concen: 4.933 ng
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:142 Resp: 19086

Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.7	107.5
115	37.1	29.5	44.3



Instrument :
BNA_M
ClientSampleId :
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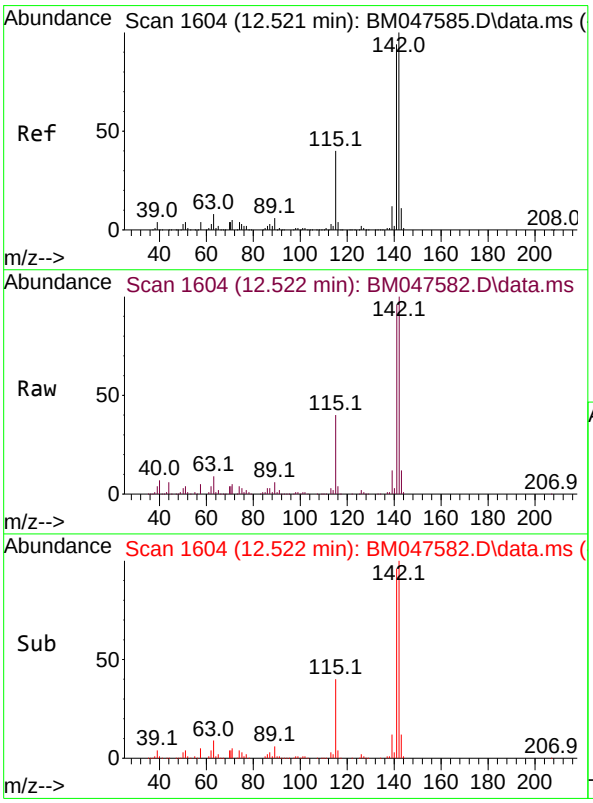
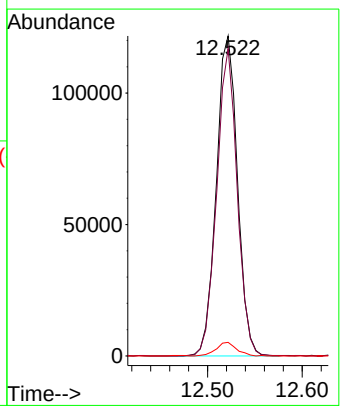
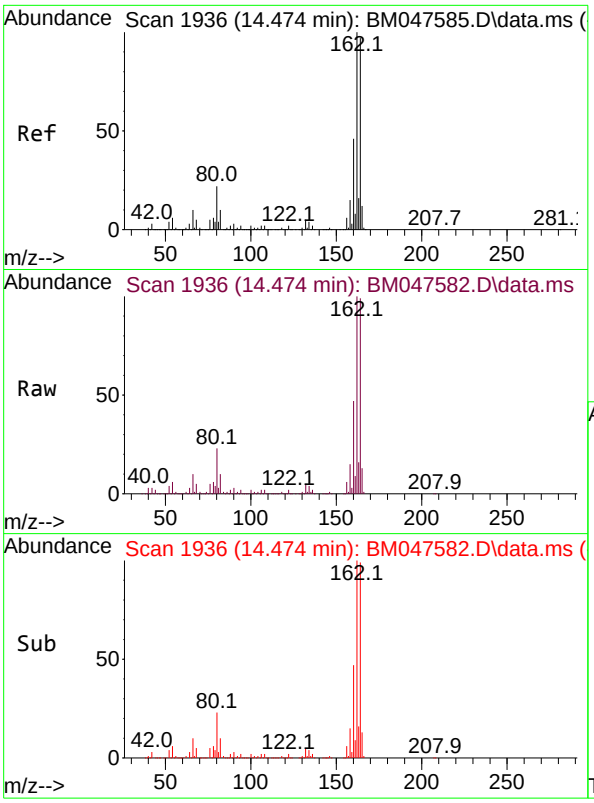


#38
1-Methylnaphthalene
Concen: 4.919 ng
RT: 12.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:142 Resp: 188821

Ion	Ratio	Lower	Upper
142	100		
141	96.1	75.3	112.9
116	4.2	3.0	4.4

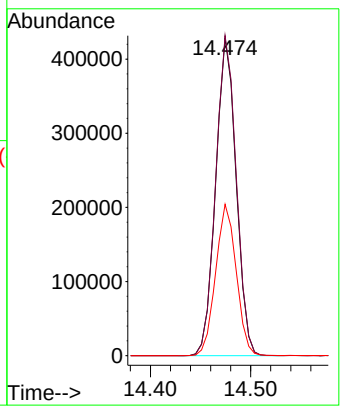




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:164 Resp: 60484

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.6	123.8
160	47.6	37.8	56.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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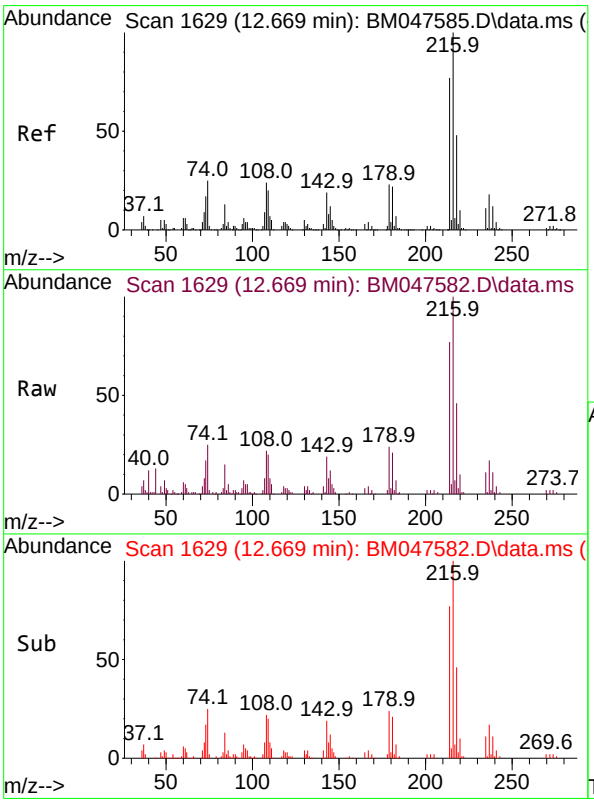
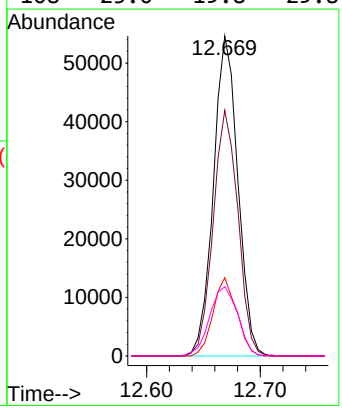
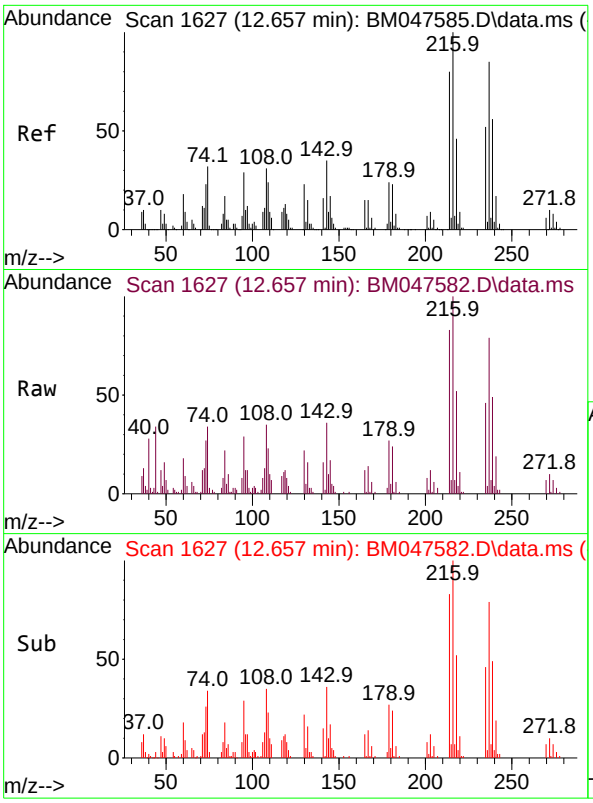


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.118 ng
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:216 Resp: 81691

Ion	Ratio	Lower	Upper
216	100		
214	77.6	62.8	94.2
179	23.7	18.5	27.7
108	25.0	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 5.055 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:237 Resp: 2663

Ion	Ratio	Lower	Upper
237	100		
235	59.1	41.2	81.2
272	12.2	0.0	32.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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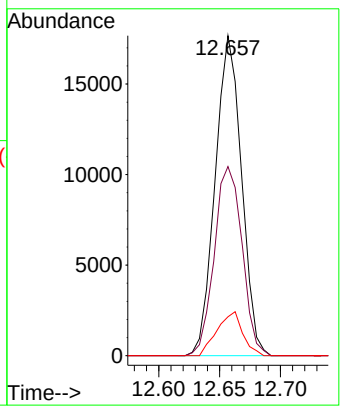
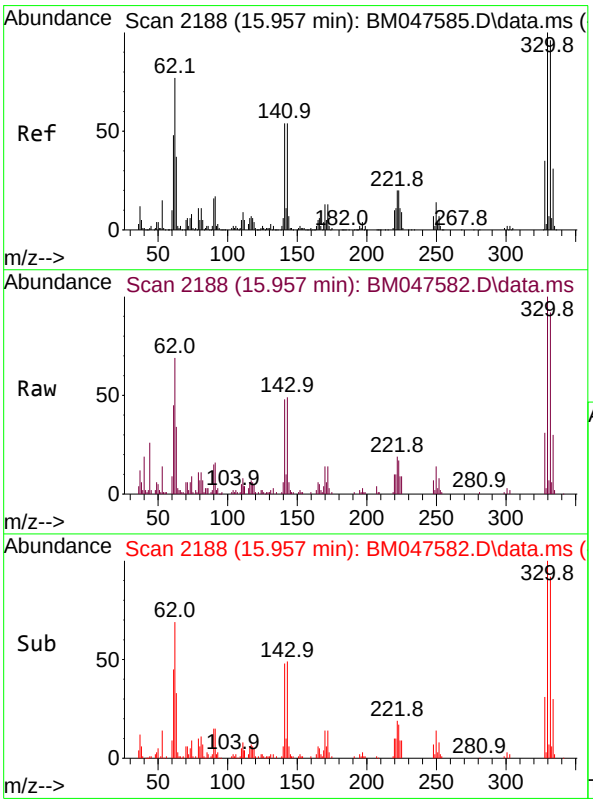
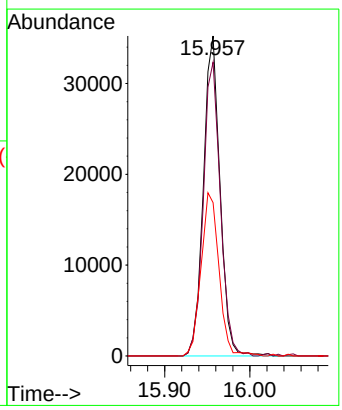


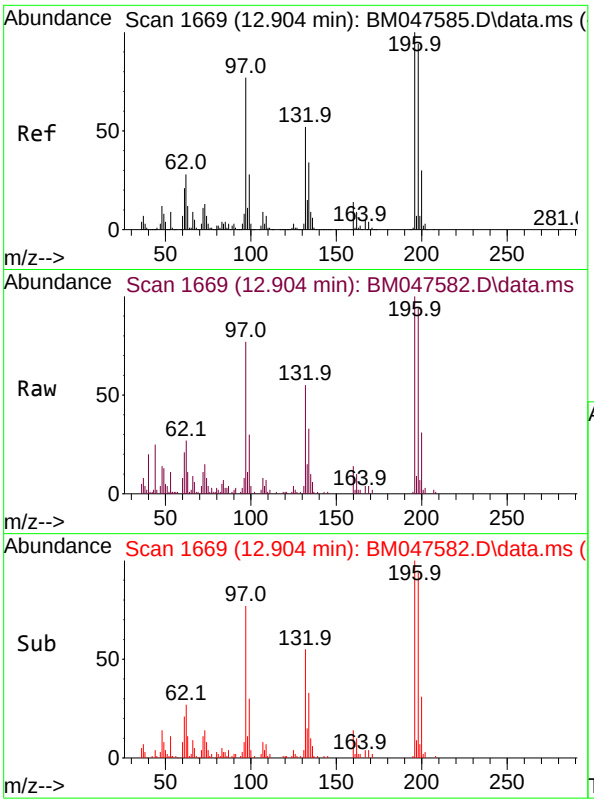


#42
2,4,6-Tribromophenol
Concen: 8.535 ng
RT: 15.957 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:330 Resp: 47799

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.4
141	55.0	45.9	68.9





#43
2,4,6-Trichlorophenol
Concen: 4.647 ng
RT: 12.904 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:196 Resp: 4821(

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.5	113.3
200	31.1	24.3	36.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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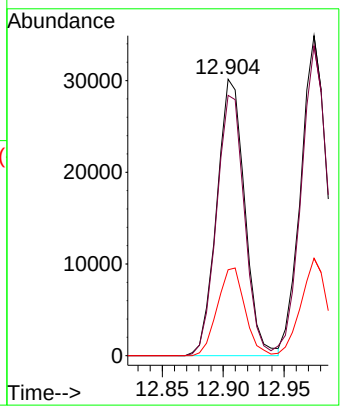
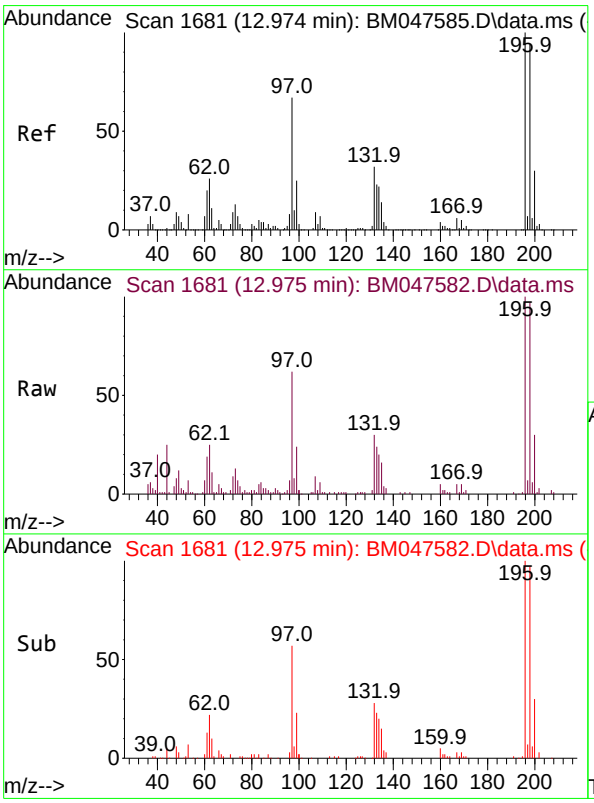
Supervised By :mohammad ahmed 09/24/2024

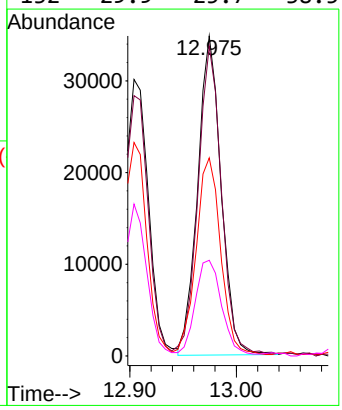


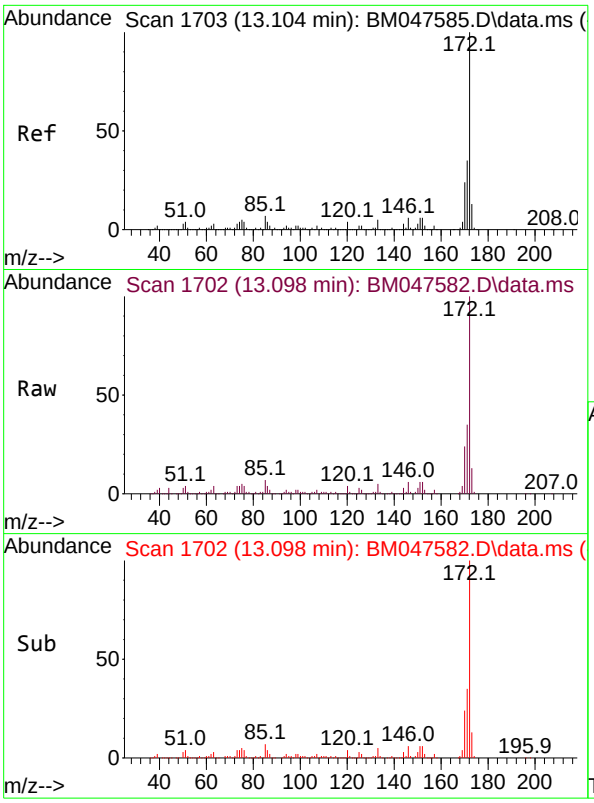


#44
2,4,5-Trichlorophenol
Concen: 4.571 ng
RT: 12.975 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:196 Resp: 53293

Ion	Ratio	Lower	Upper
196	100		
198	96.8	75.5	113.3
97	61.9	53.5	80.3
132	29.9	25.7	38.5

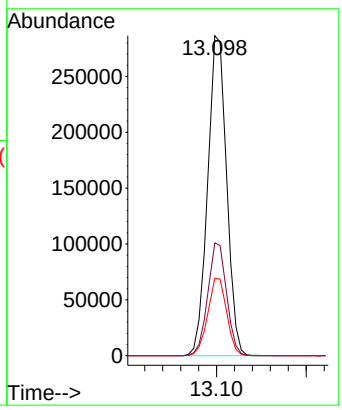




#45
2-Fluorobiphenyl
Concen: 9.832 ng
RT: 13.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:172 Resp: 42027

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	24.2	19.0	28.6



Instrument :
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ClientSampleId :
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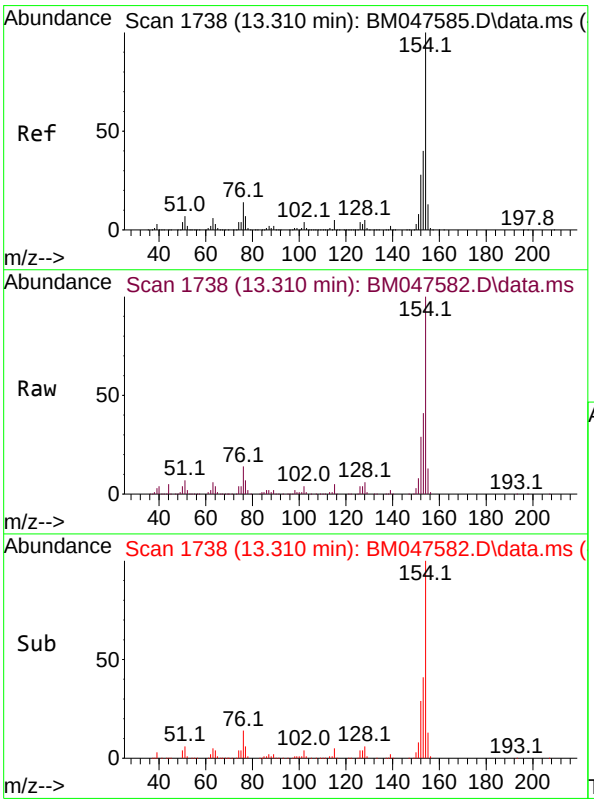
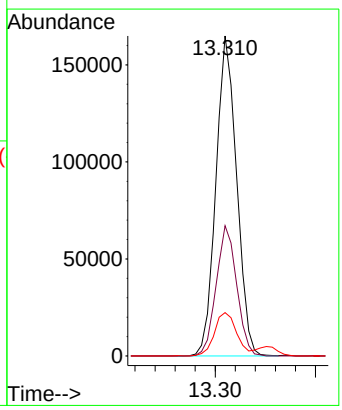
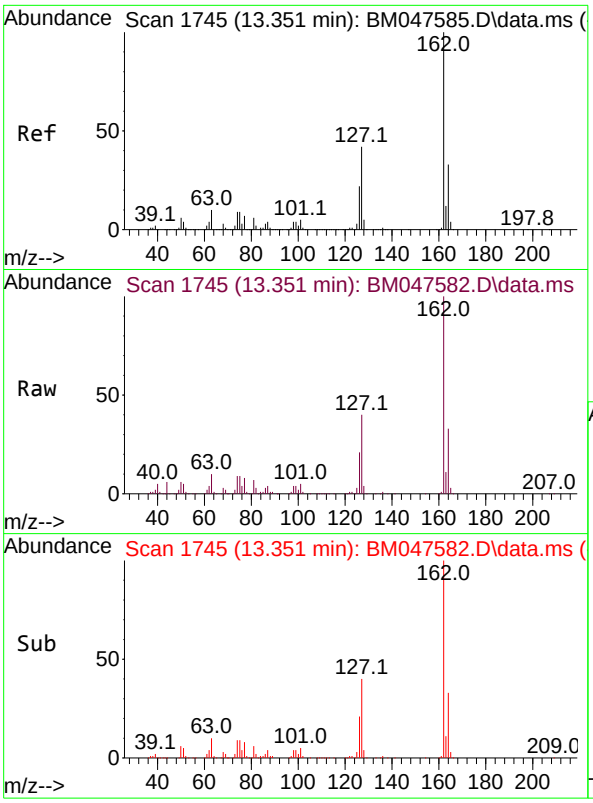


#46
1,1'-Biphenyl
Concen: 5.060 ng
RT: 13.310 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:154 Resp: 236341

Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.9	59.9
76	13.6	0.0	34.5

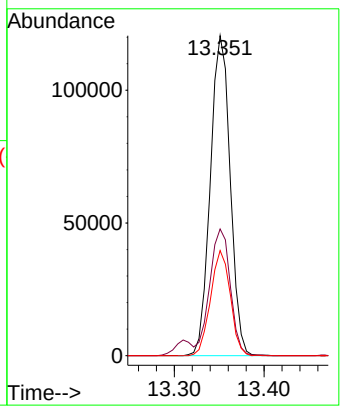




#47
2-Chloronaphthalene
Concen: 5.074 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:162 Resp: 18543

Ion	Ratio	Lower	Upper
162	100		
127	39.6	33.8	50.6
164	32.9	26.2	39.4



Instrument :
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ClientSampleId :
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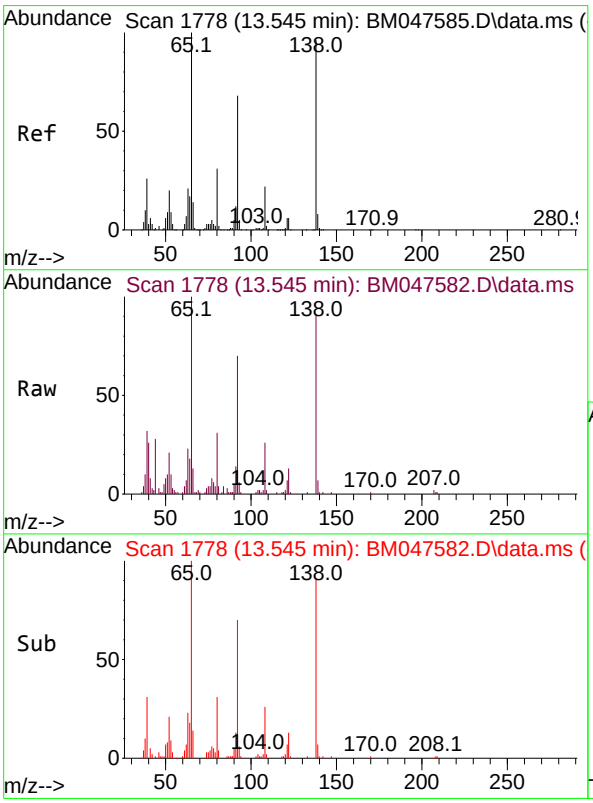
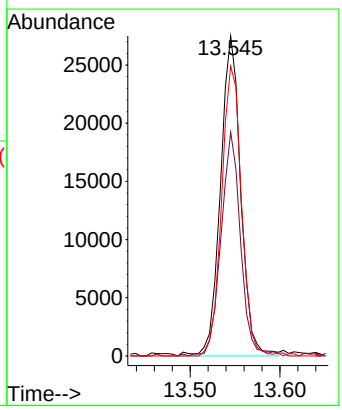
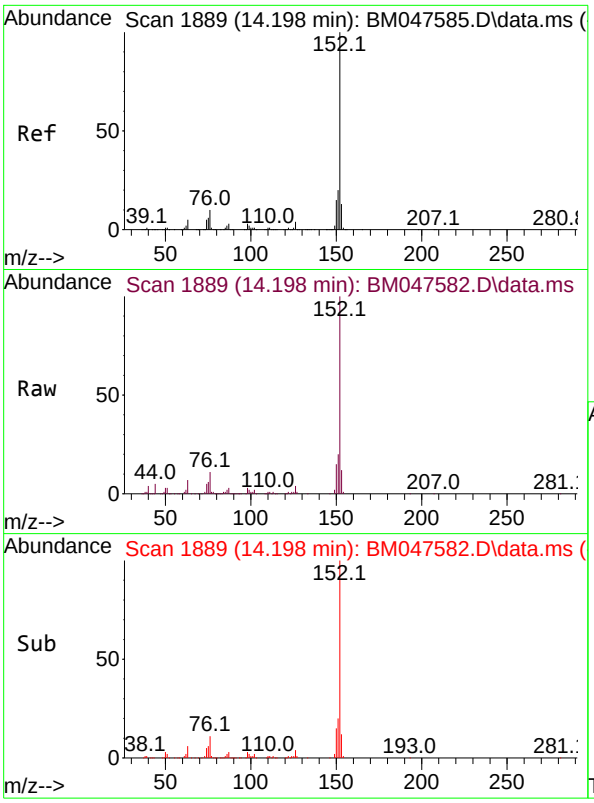


#48
2-Nitroaniline
Concen: 3.950 ng
RT: 13.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 65 Resp: 43120

Ion	Ratio	Lower	Upper
65	100		
92	69.9	54.2	81.4
138	90.5	76.6	114.8





#49
Acenaphthylene
Concen: 4.759 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:152 Resp: 25030

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	12.4	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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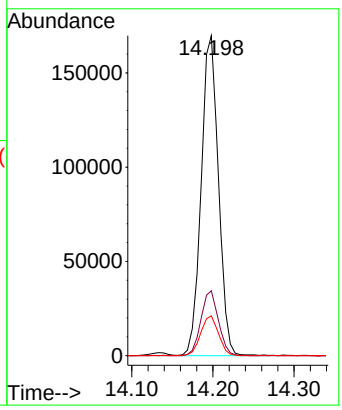
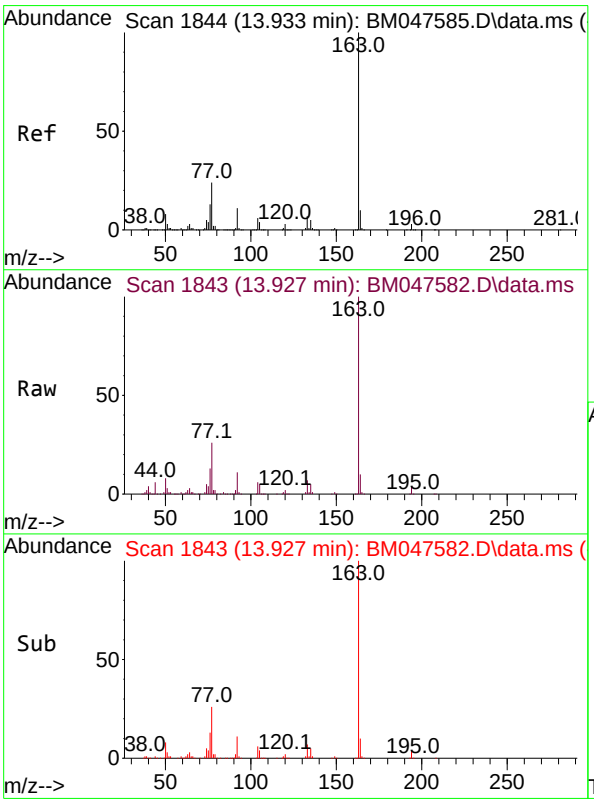
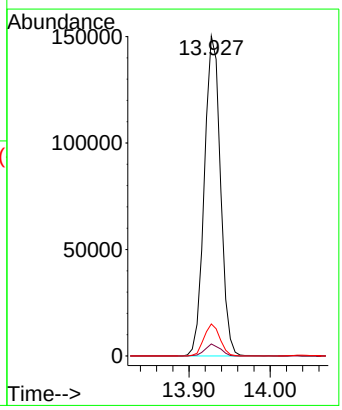


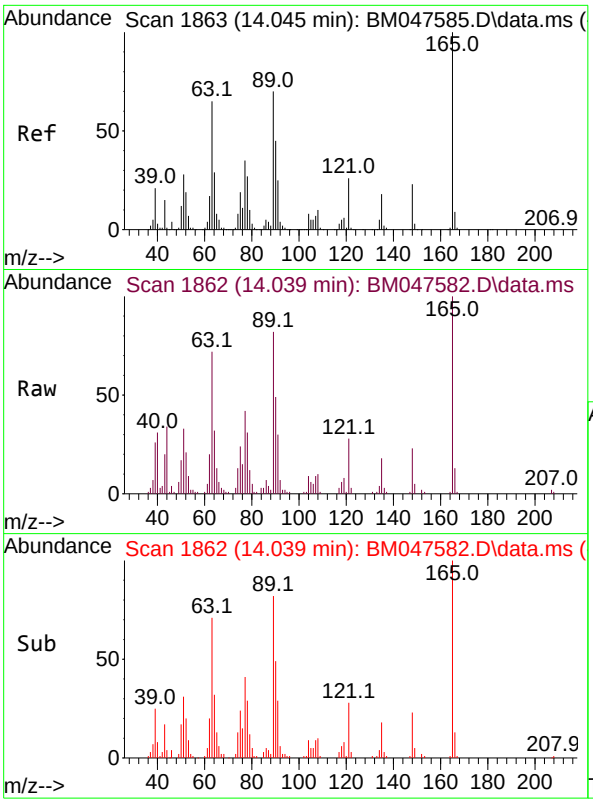


#50
Dimethylphthalate
Concen: 4.945 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:163 Resp: 206523

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.0	8.2	12.2

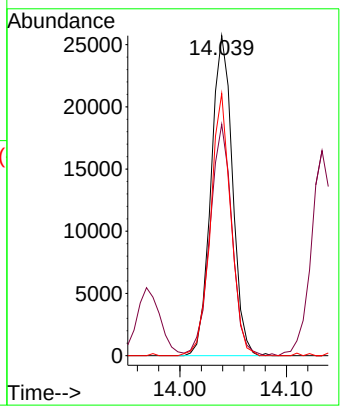




#51
2,6-Dinitrotoluene
Concen: 4.100 ng
RT: 14.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:165 Resp: 3587

Ion	Ratio	Lower	Upper
165	100		
63	72.3	53.0	79.6
89	81.9	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
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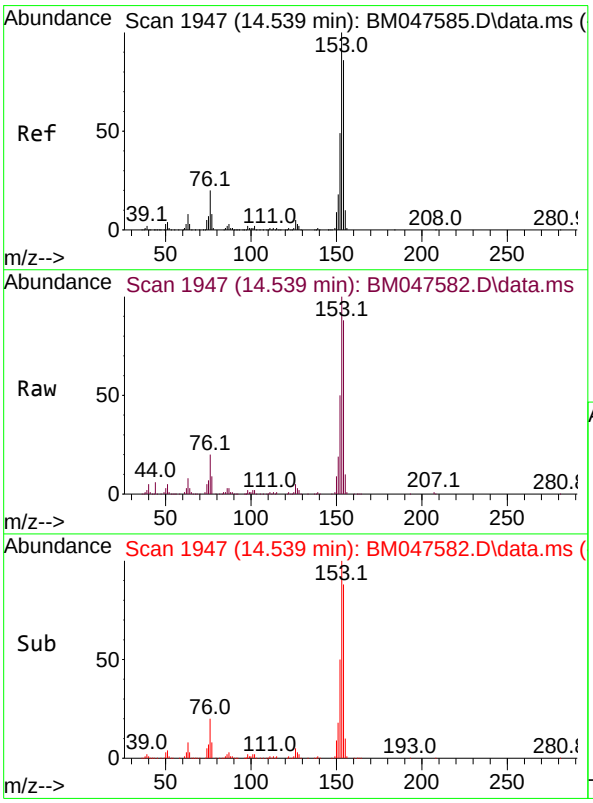
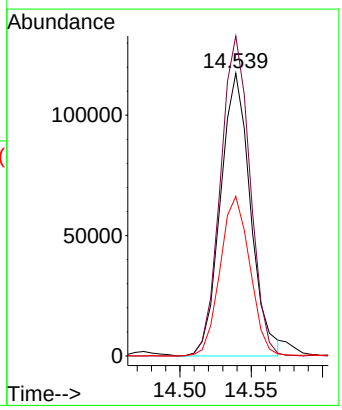
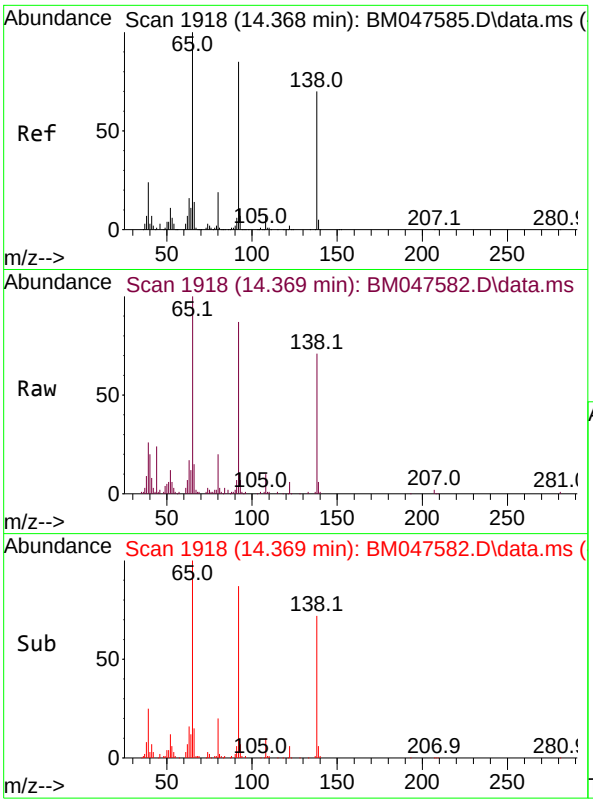


#52
Acenaphthene
Concen: 4.935 ng m
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:154 Resp: 171523

Ion	Ratio	Lower	Upper
154	100		
153	113.2	92.8	139.2
152	56.4	45.7	68.5





#53
3-Nitroaniline
Concen: 3.870 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:138 Resp: 3883

Ion	Ratio	Lower	Upper
138	100		
108	13.5	8.3	12.5
92	121.8	97.0	145.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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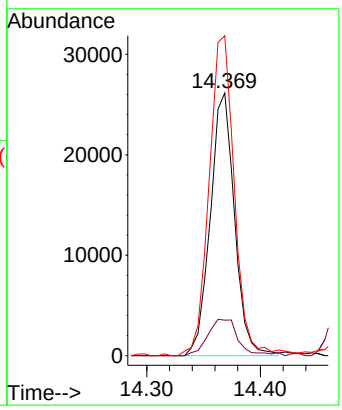
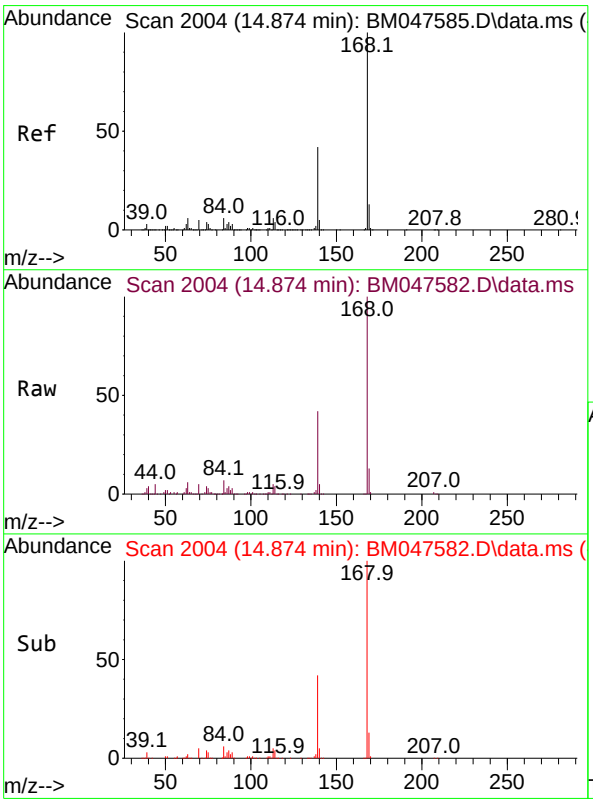
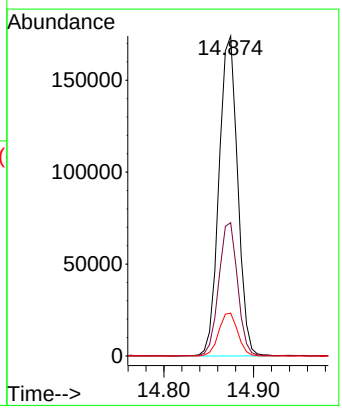


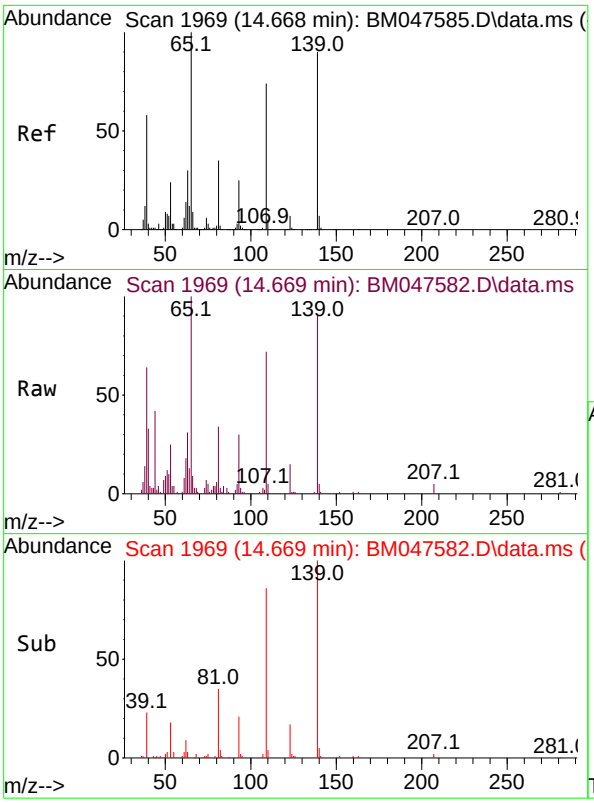


#55
Dibenzofuran
Concen: 4.959 ng
RT: 14.874 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:168 Resp: 251817

Ion	Ratio	Lower	Upper
168	100		
139	41.7	33.4	50.2
169	13.4	10.4	15.6

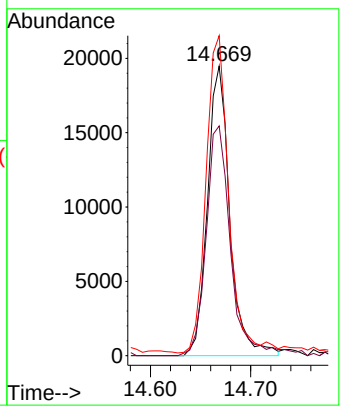




#56
4-Nitrophenol
Concen: 3.507 ng
RT: 14.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:139 Resp: 3015

Ion	Ratio	Lower	Upper
139	100		
109	79.4	63.1	103.1
65	110.5	91.8	131.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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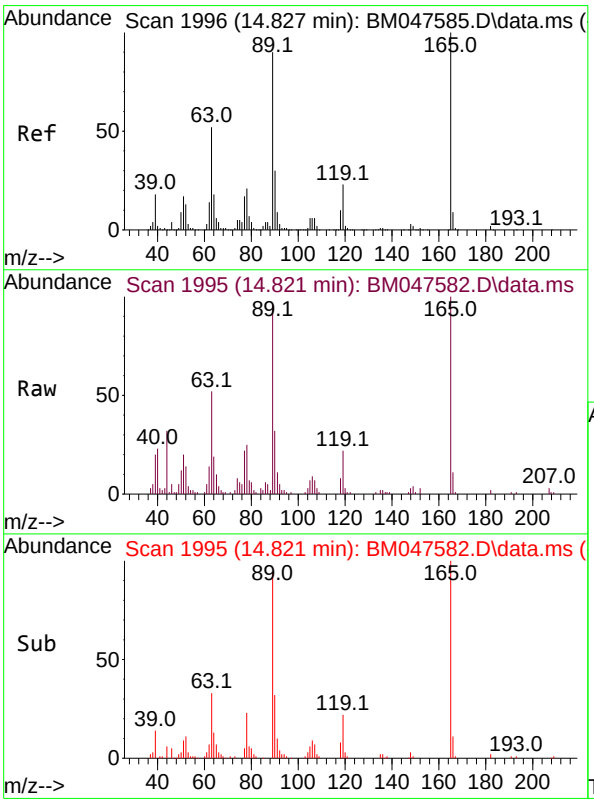
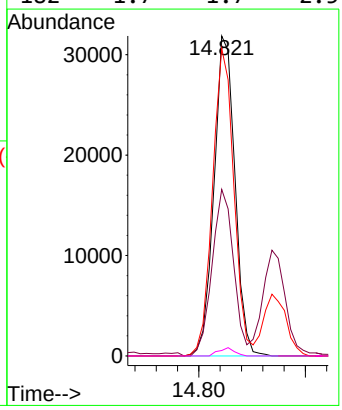
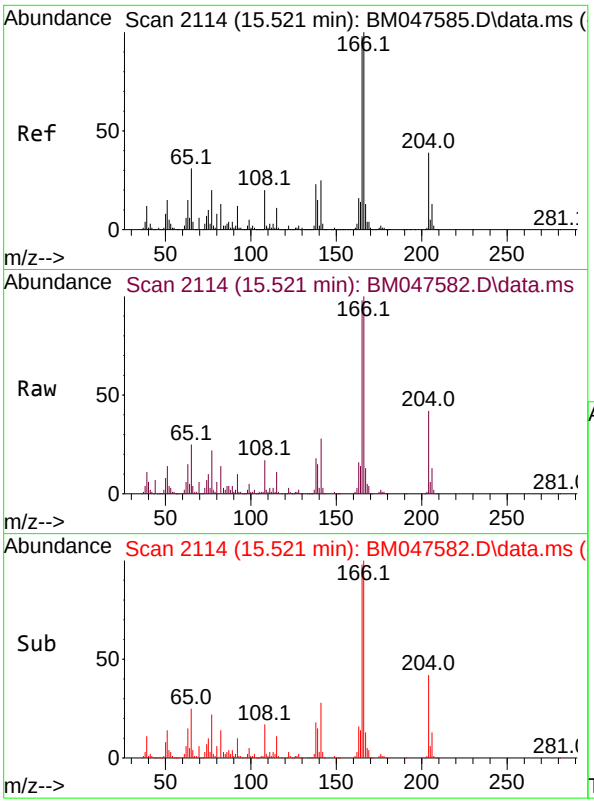


#57
2,4-Dinitrotoluene
Concen: 3.731 ng
RT: 14.821 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:165 Resp: 43504

Ion	Ratio	Lower	Upper
165	100		
63	52.1	41.6	62.4
89	96.1	71.7	107.5
182	1.7	1.7	2.5

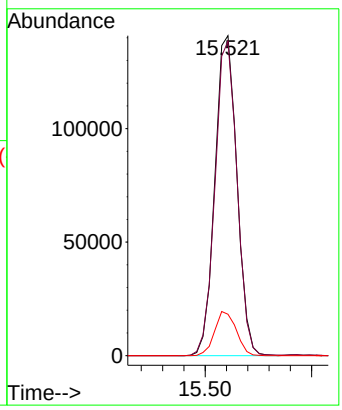




#58
Fluorene
Concen: 4.504 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:166 Resp: 20241

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.4	117.6
167	12.9	10.5	15.7



Instrument :
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ClientSampleId :
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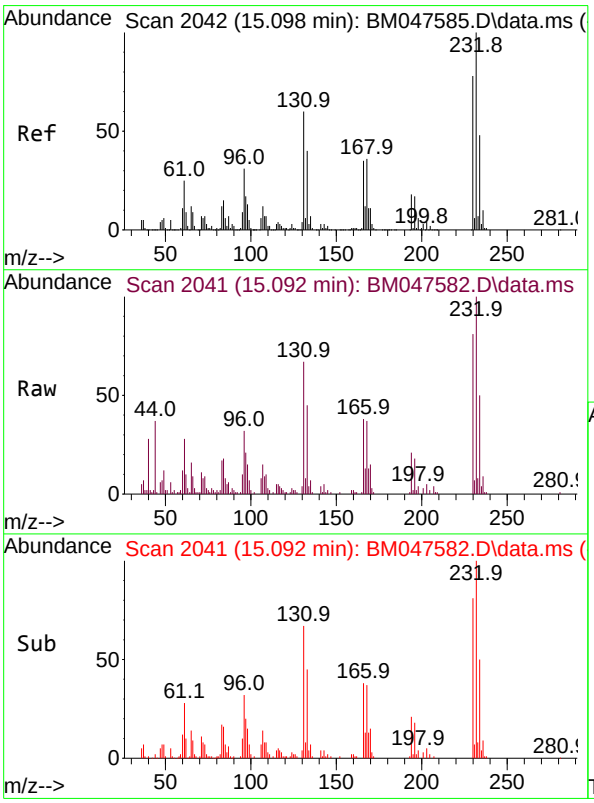
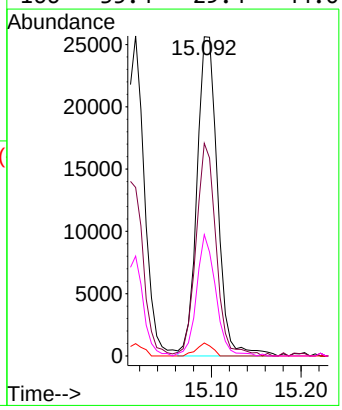
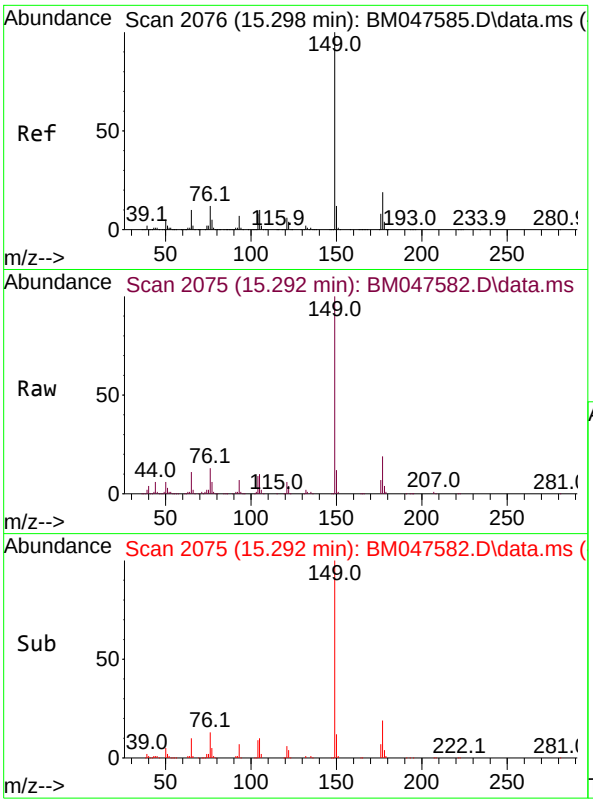


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.586 ng
RT: 15.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:232 Resp: 40878

Ion	Ratio	Lower	Upper
232	100		
131	64.9	50.3	75.5
130	3.1	3.0	4.4
166	35.4	29.4	44.0

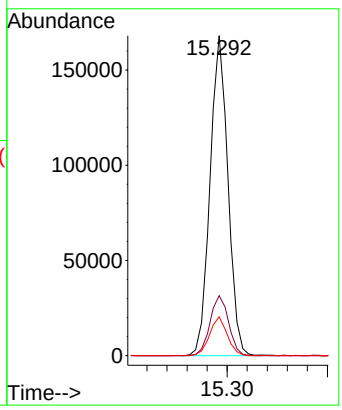




#60
Diethylphthalate
Concen: 4.687 ng
RT: 15.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:149 Resp: 20865

Ion	Ratio	Lower	Upper
149	100		
177	18.8	15.4	23.0
150	12.1	9.4	14.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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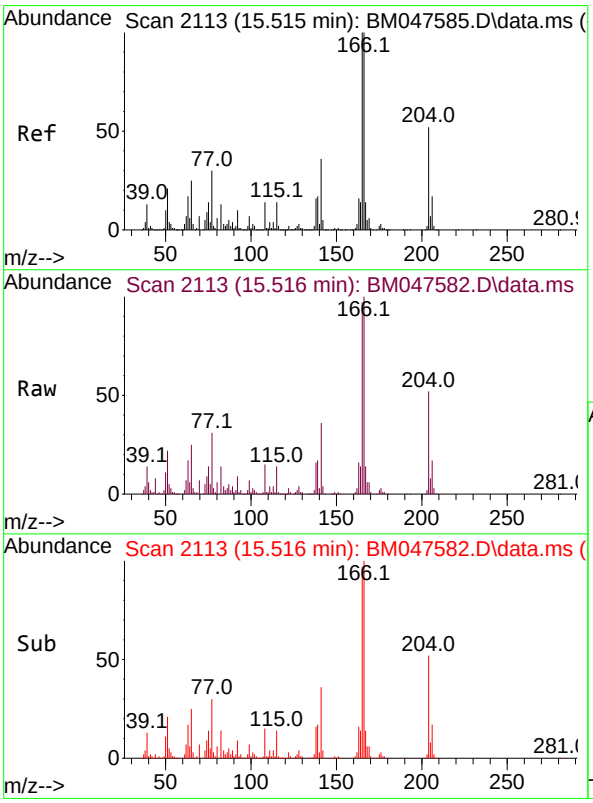
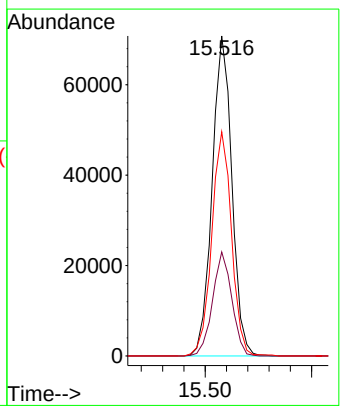
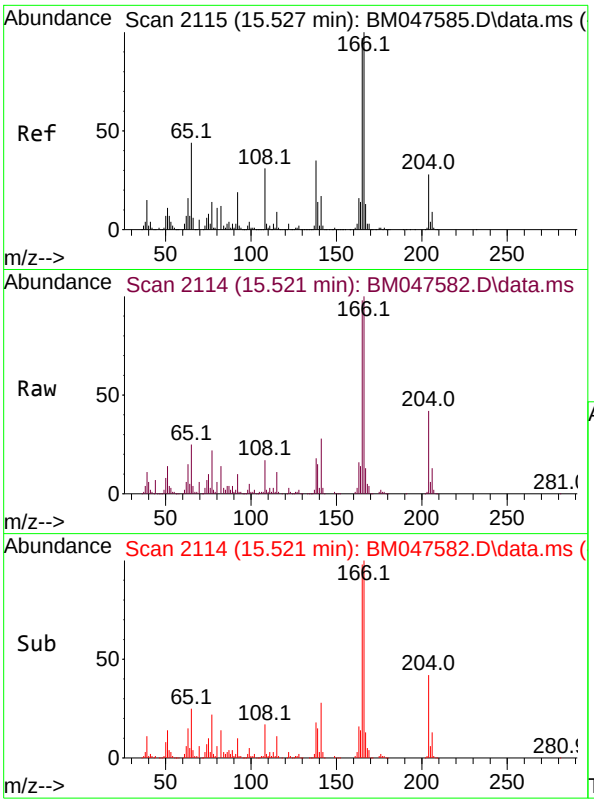


#61
4-Chlorophenyl-phenylether
Concen: 4.626 ng
RT: 15.516 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:204 Resp: 90846

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.2
141	70.1	55.3	82.9

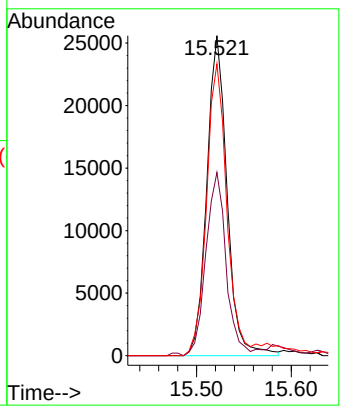




#62
4-Nitroaniline
Concen: 3.369 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:138 Resp: 3809

Ion	Ratio	Lower	Upper
138	100		
92	57.2	33.3	73.3
108	91.2	66.2	106.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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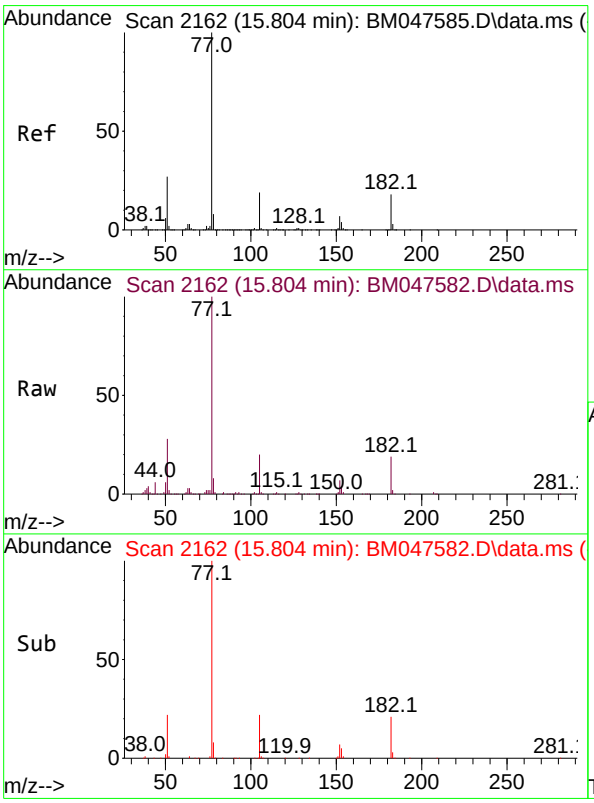
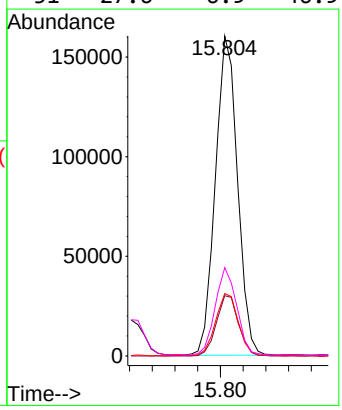
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

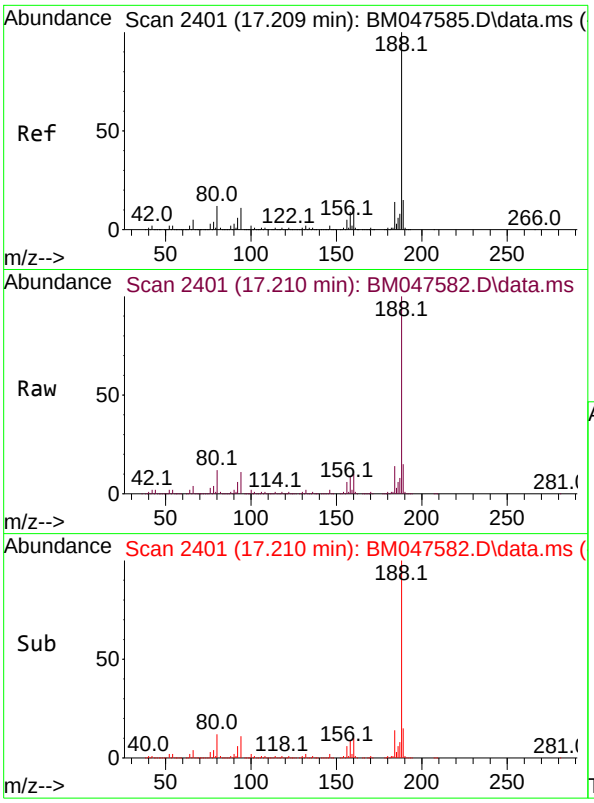


#63
Azobenzene
Concen: 4.464 ng
RT: 15.804 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion: 77 Resp: 217261

Ion	Ratio	Lower	Upper
77	100		
182	18.9	0.0	38.2
105	19.5	0.0	38.8
51	27.6	6.9	46.9

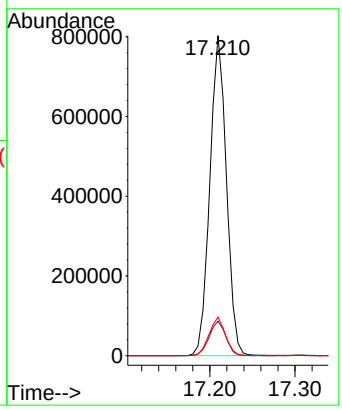




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:188 Resp: 108385

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.0	9.9	14.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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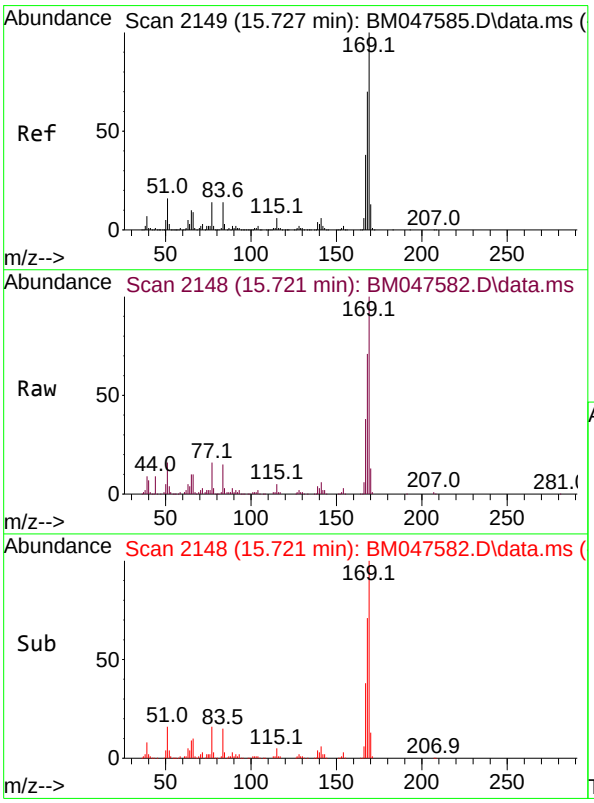
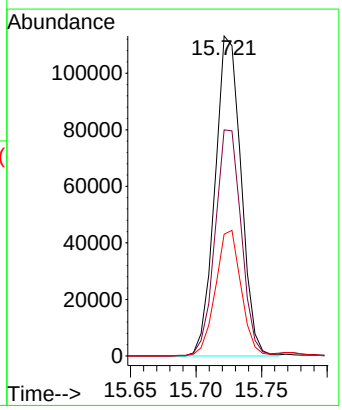
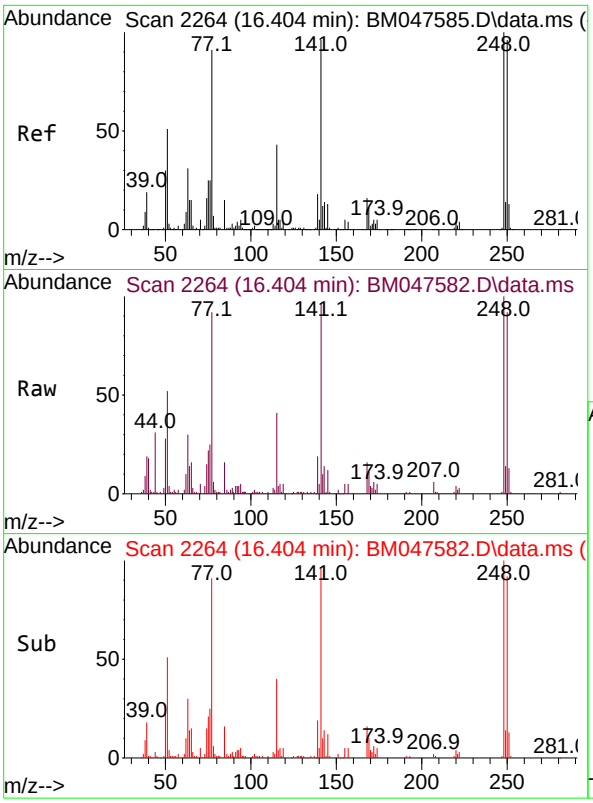


#66
n-Nitrosodiphenylamine
Concen: 4.820 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:169 Resp: 156021

Ion	Ratio	Lower	Upper
169	100		
168	70.7	55.8	83.8
167	38.0	30.7	46.1





#67
4-Bromophenyl-phenylether
Concen: 4.994 ng
RT: 16.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:248 Resp: 4916

Ion	Ratio	Lower	Upper
248	100		
250	92.0	76.7	115.1
141	96.4	76.7	115.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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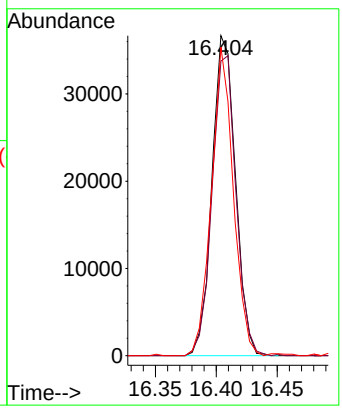
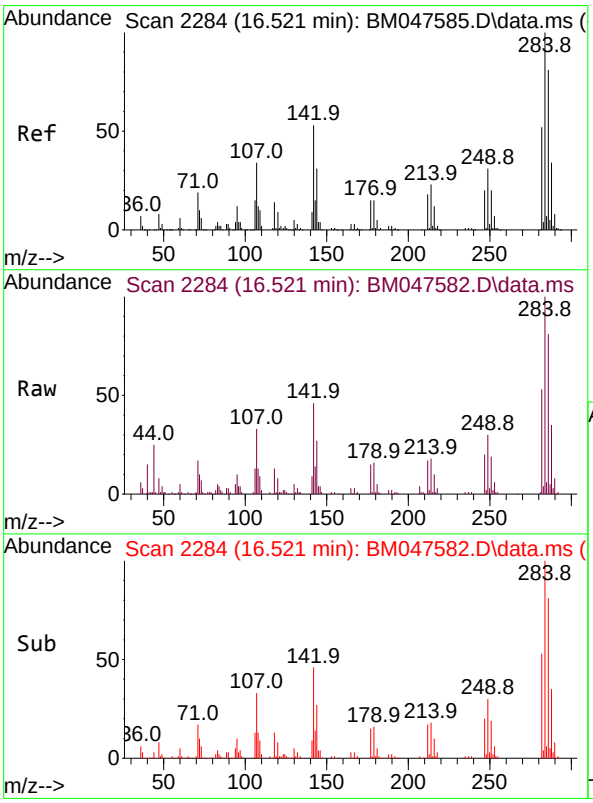
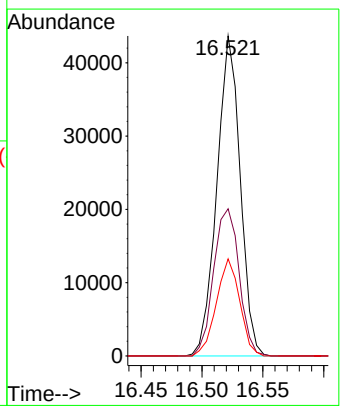


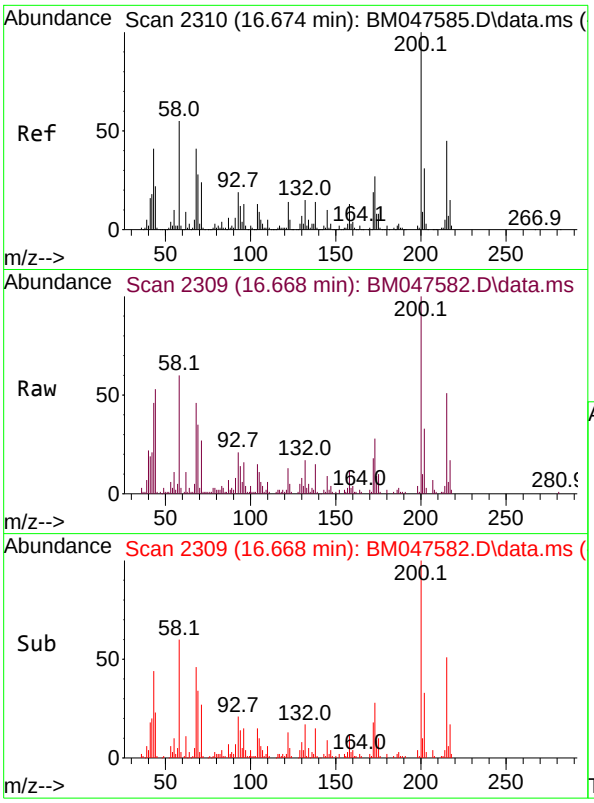


#68
Hexachlorobenzene
Concen: 5.065 ng
RT: 16.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:284 Resp: 58297

Ion	Ratio	Lower	Upper
284	100		
142	46.0	42.5	63.7
249	30.4	25.0	37.6

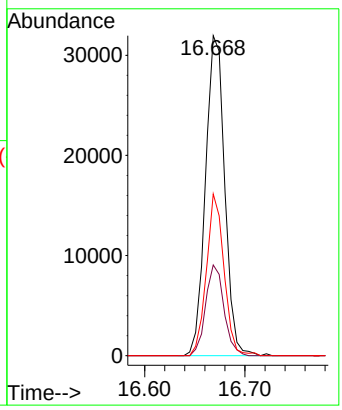




#69
Atrazine
Concen: 5.472 ng
RT: 16.668 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:200 Resp: 4264

Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.4	47.4
215	50.6	24.5	64.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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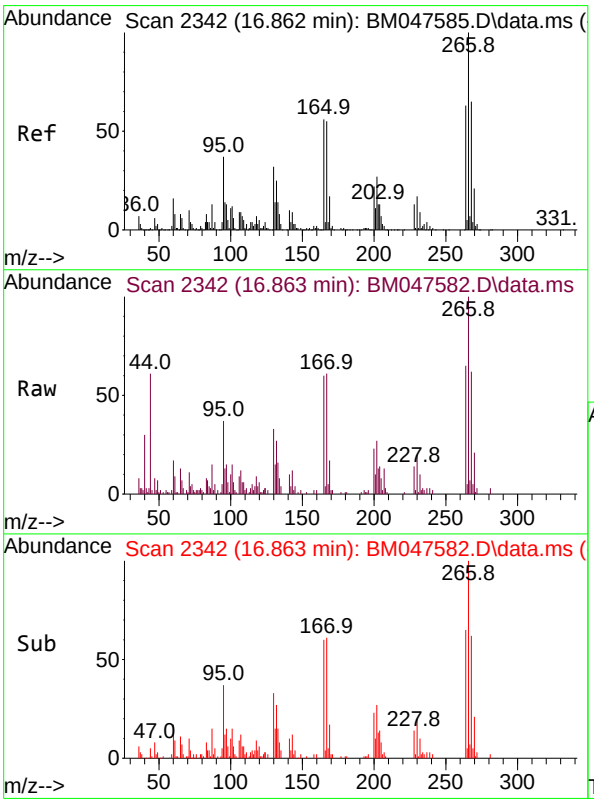
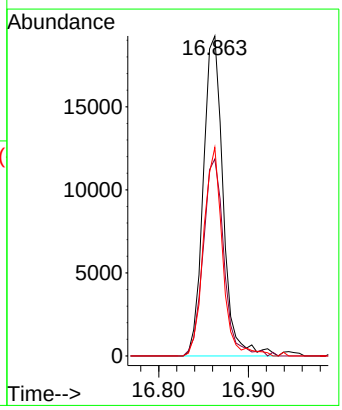
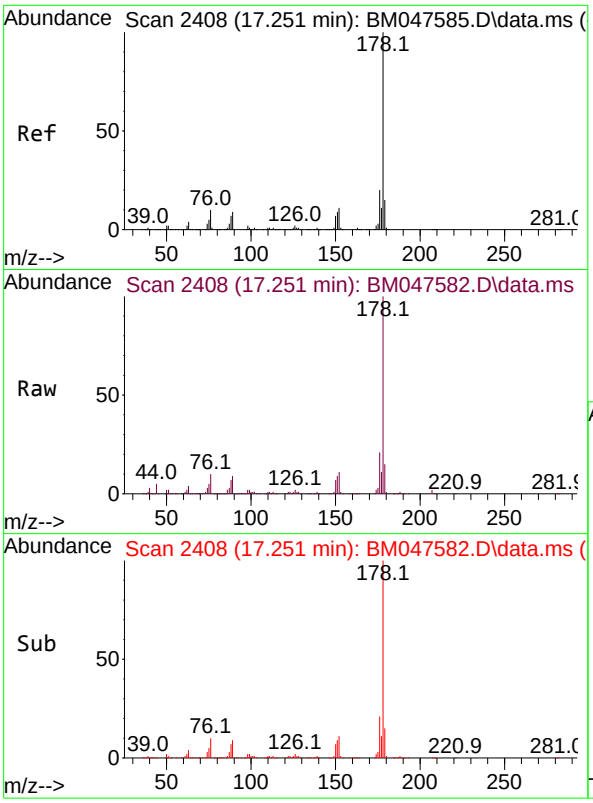


#70
Pentachlorophenol
Concen: 4.085 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:266 Resp: 29510

Ion	Ratio	Lower	Upper
266	100		
268	61.6	52.2	78.4
264	65.1	50.0	75.0

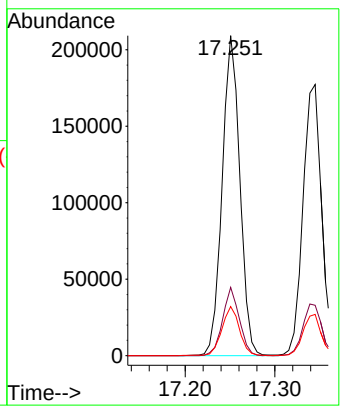




#71
Phenanthrene
Concen: 4.874 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:178 Resp: 28675

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.8	23.8
179	15.4	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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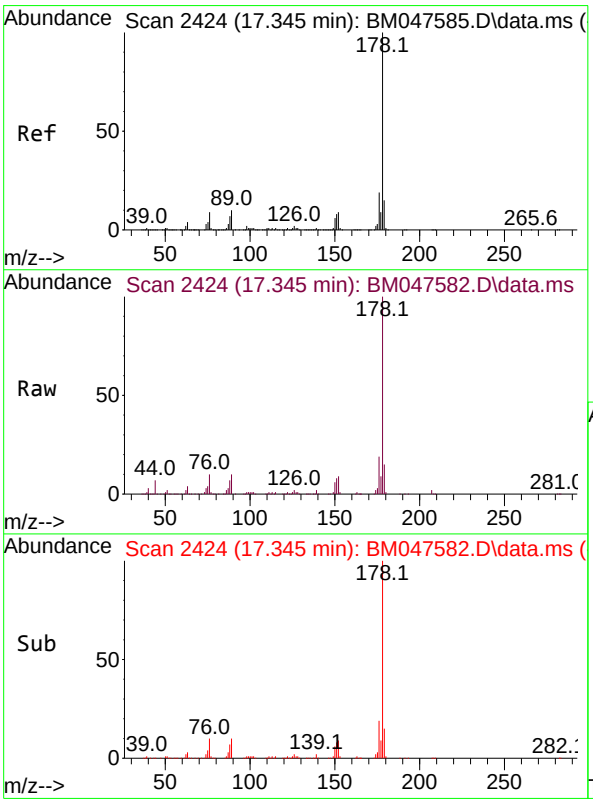
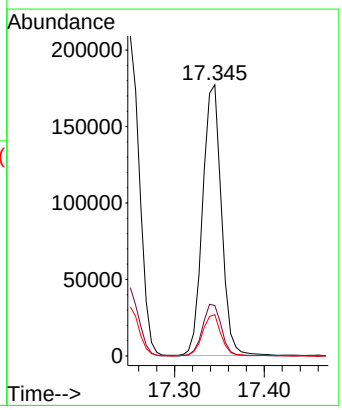
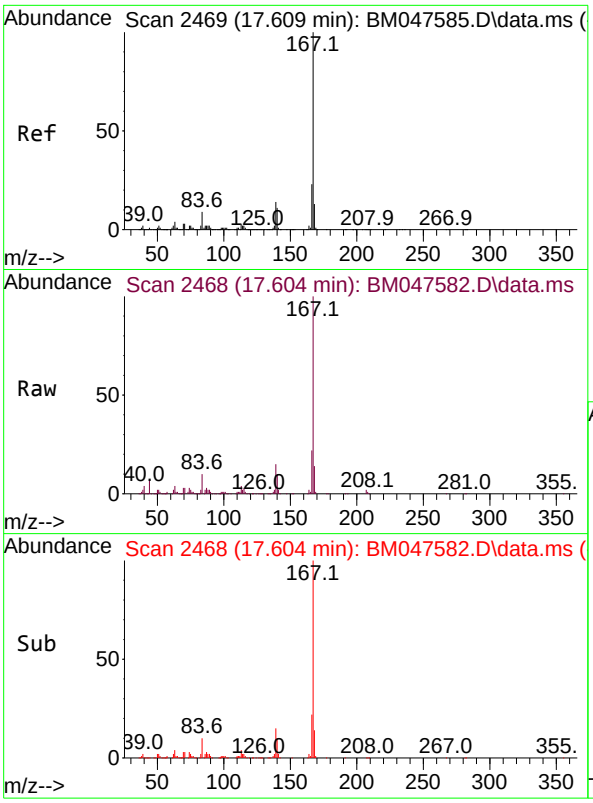


#72
Anthracene
Concen: 4.616 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:178 Resp: 257310

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.2	12.2	18.2





#73
Carbazole
Concen: 4.593 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:167 Resp: 26676

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.0	27.0
139	14.6	11.3	16.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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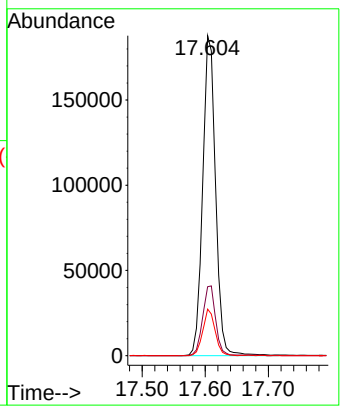
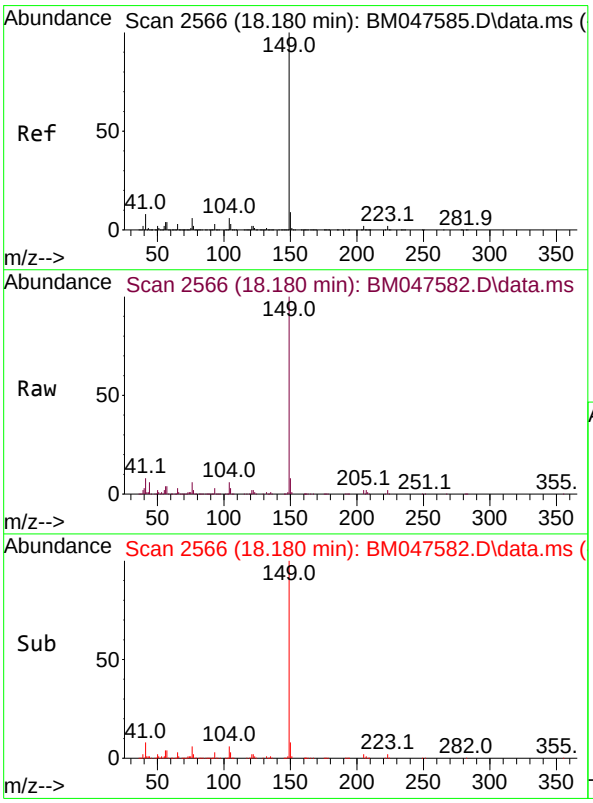
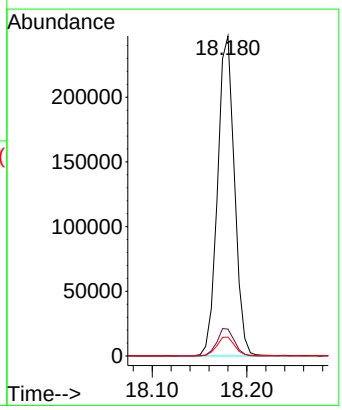


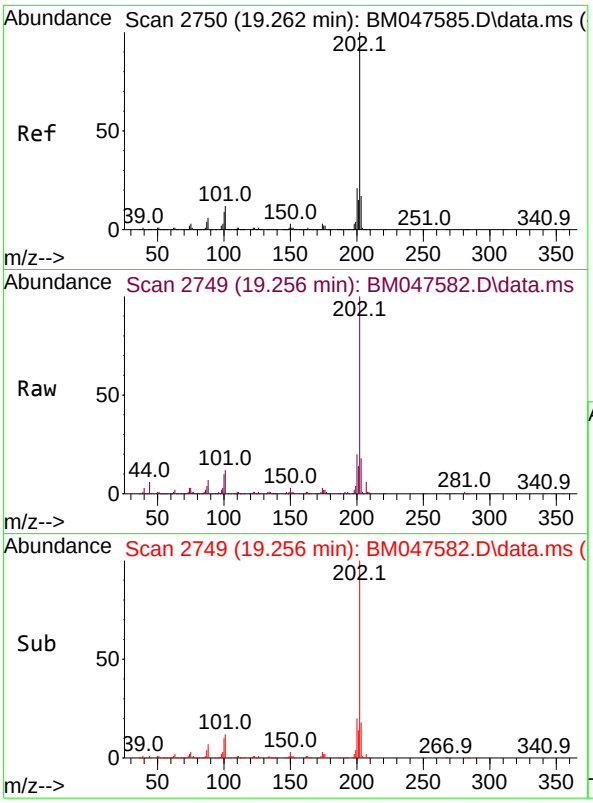


#74
Di-n-butylphthalate
Concen: 4.377 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:149 Resp: 307478

Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.4	11.0
104	5.9	4.7	7.1





#75
Fluoranthene
Concen: 4.421 ng
RT: 19.256 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:202 Resp: 28634

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.2
203	17.9	0.0	37.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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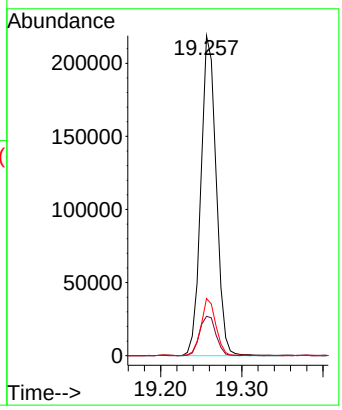
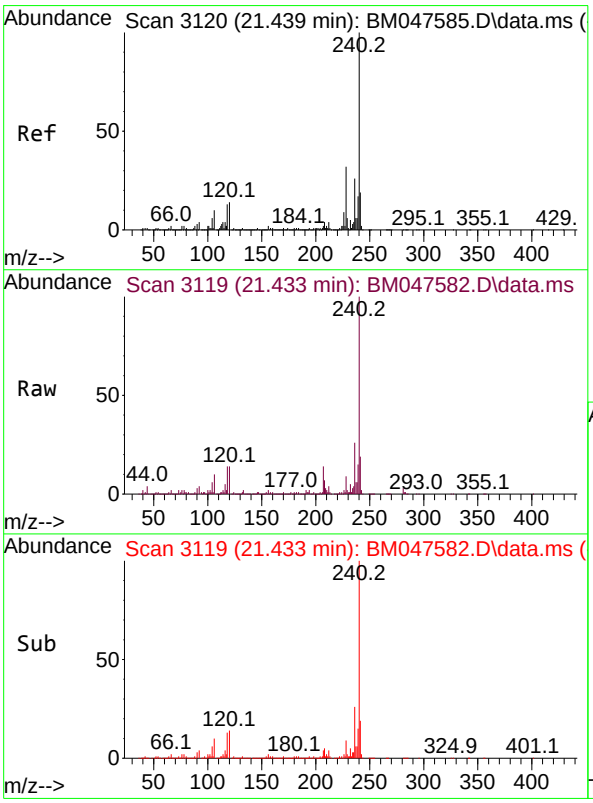
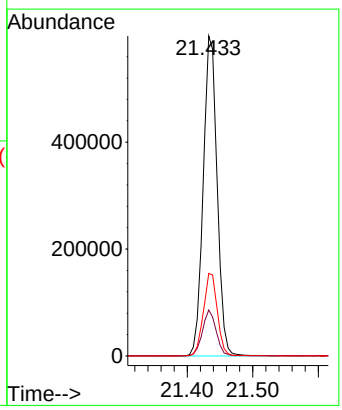


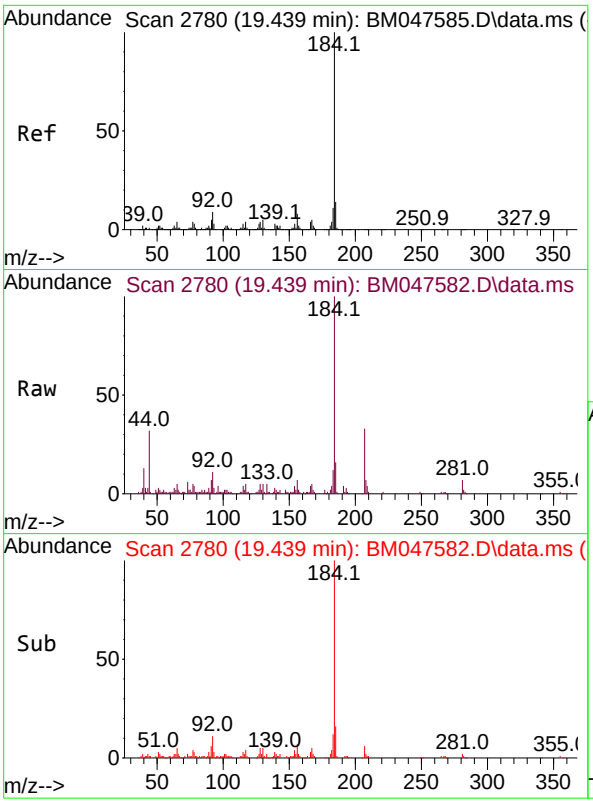


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:240 Resp: 884726

Ion	Ratio	Lower	Upper
240	100		
120	14.3	10.8	16.2
236	25.8	20.8	31.2

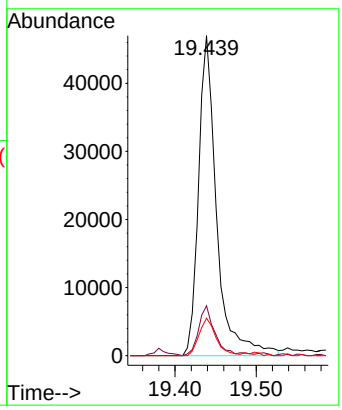




#77
Benzidine
Concen: 6.048 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:184 Resp: 7286

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.5	17.3
183	11.7	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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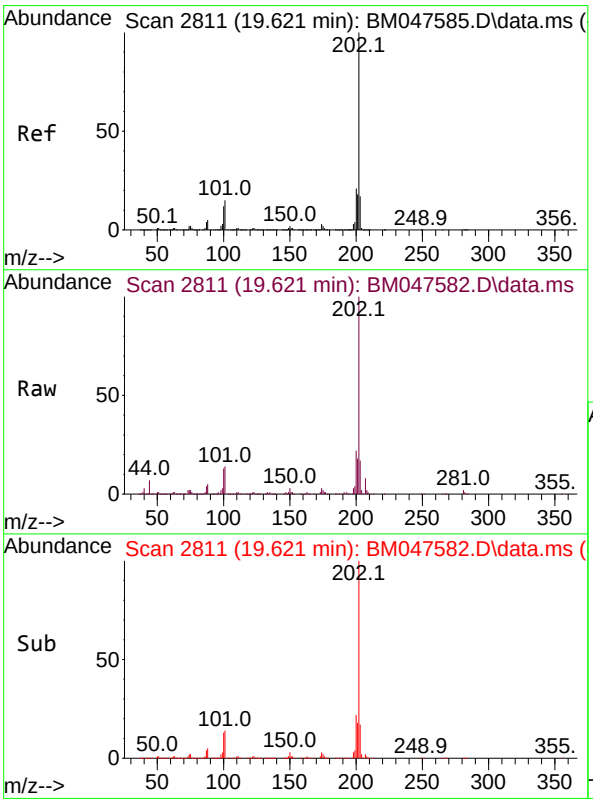
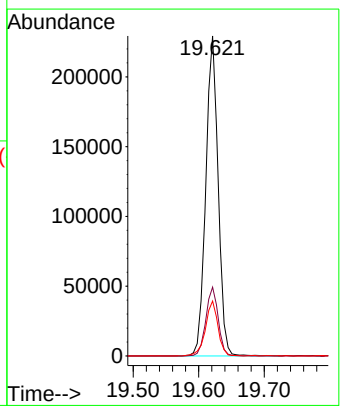
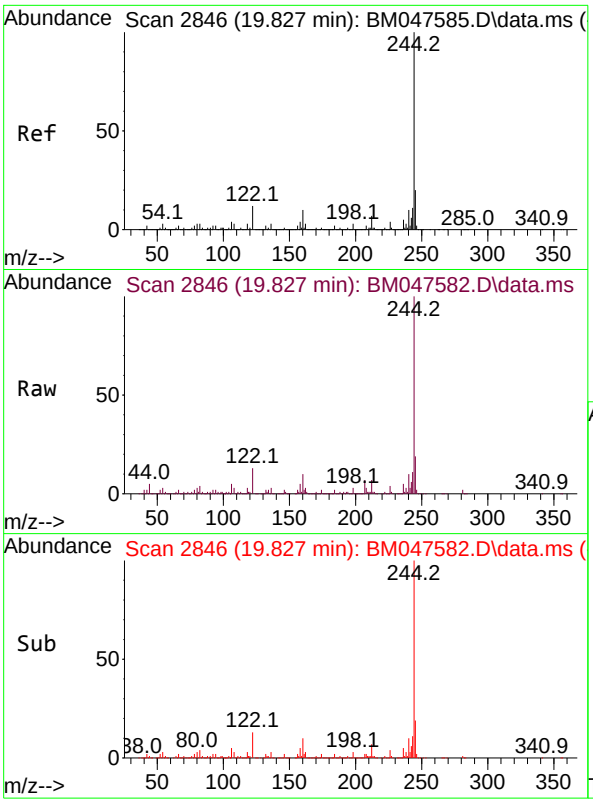


#78
Pyrene
Concen: 4.860 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:202 Resp: 300966

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.2	13.8	20.8





#79
Terphenyl-d14
Concen: 9.111 ng
RT: 19.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:244 Resp: 44923

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.0	10.0	15.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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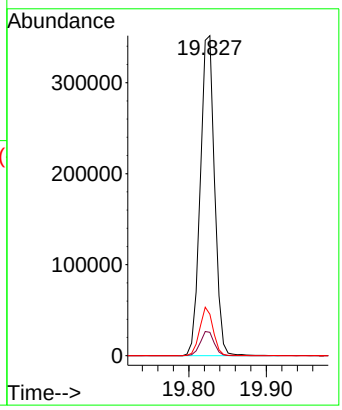
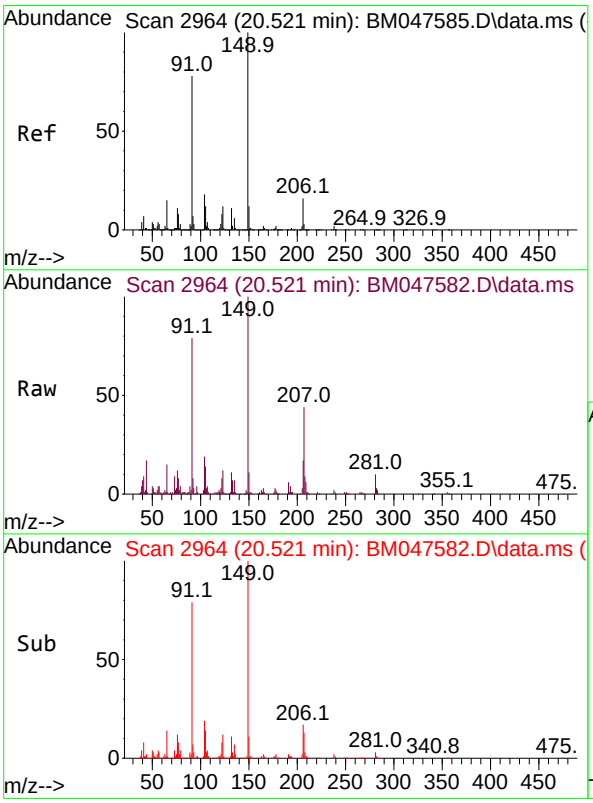
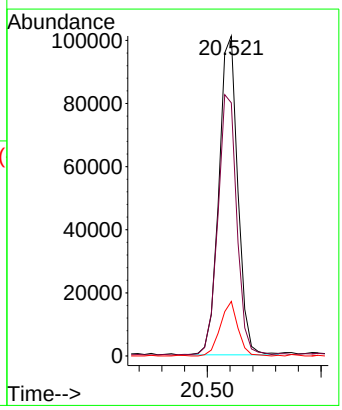


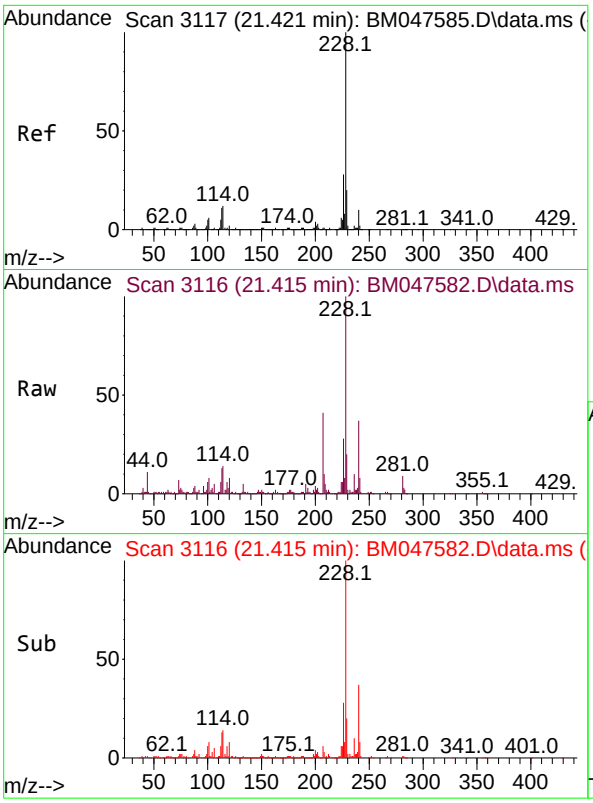


#80
Butylbenzylphthalate
Concen: 4.330 ng
RT: 20.521 min Scan# 2964
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:149 Resp: 116717

Ion	Ratio	Lower	Upper
149	100		
91	79.1	62.3	93.5
206	17.0	13.0	19.6

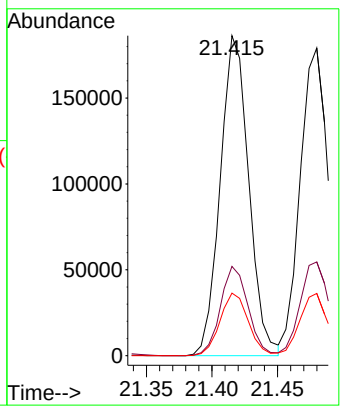




#81
Benzo(a)anthracene
Concen: 4.855 ng
RT: 21.415 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:228 Resp: 28246

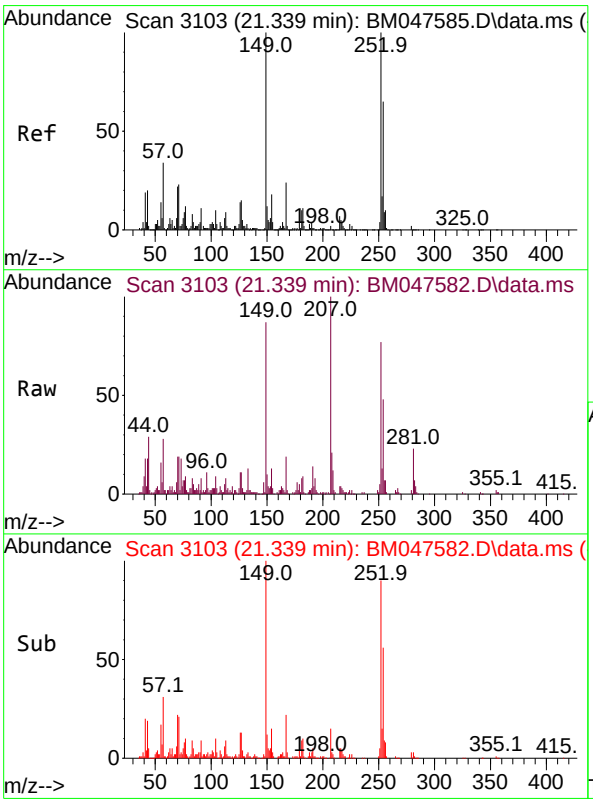
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	19.5	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

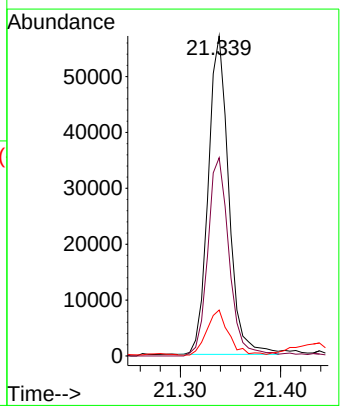
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

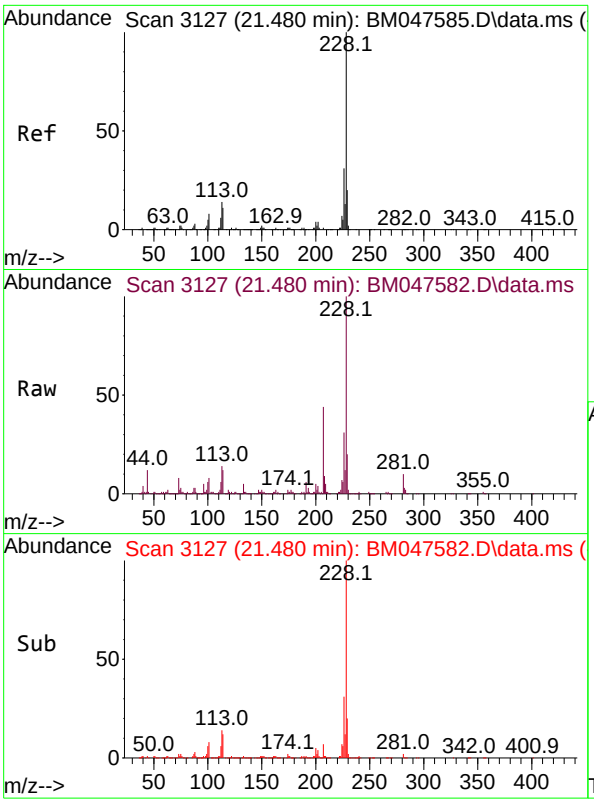


#82
3,3'-Dichlorobenzidine
Concen: 4.489 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:252 Resp: 81102

Ion	Ratio	Lower	Upper
252	100		
254	61.9	52.3	78.5
126	14.4	11.4	17.0

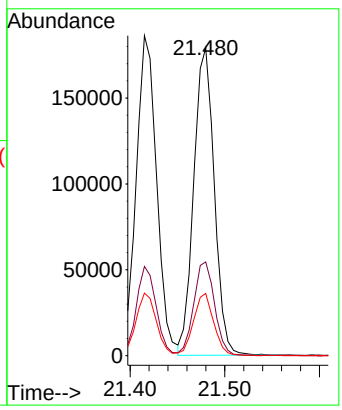




#83
Chrysene
Concen: 4.883 ng
RT: 21.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:228 Resp: 27012

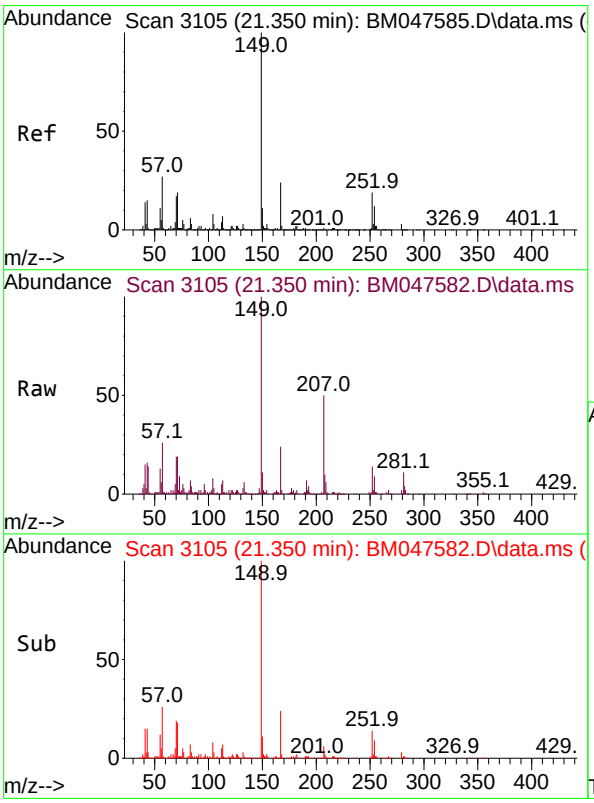
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	20.2	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

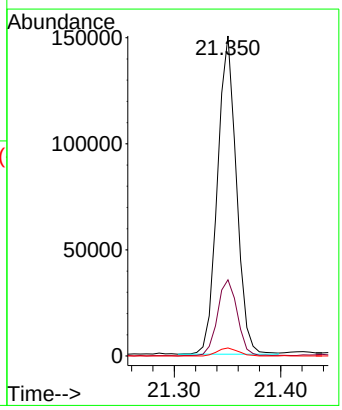
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

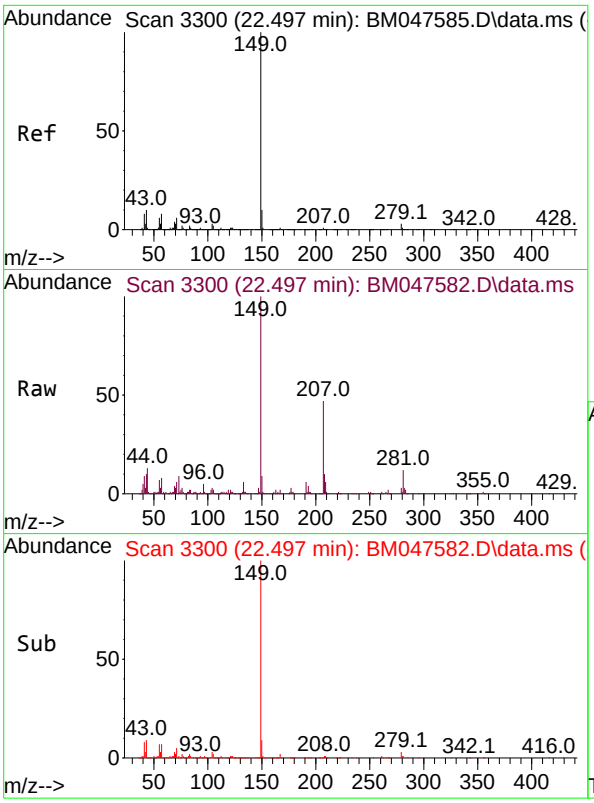


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.289 ng
RT: 21.350 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:149 Resp: 184943

Ion	Ratio	Lower	Upper
149	100		
167	23.8	19.5	29.3
279	2.5	2.3	3.5





#85
Di-n-octyl phthalate
Concen: 4.246 ng
RT: 22.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

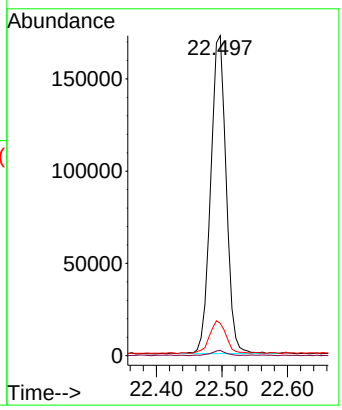
Tgt Ion:149 Resp: 28250

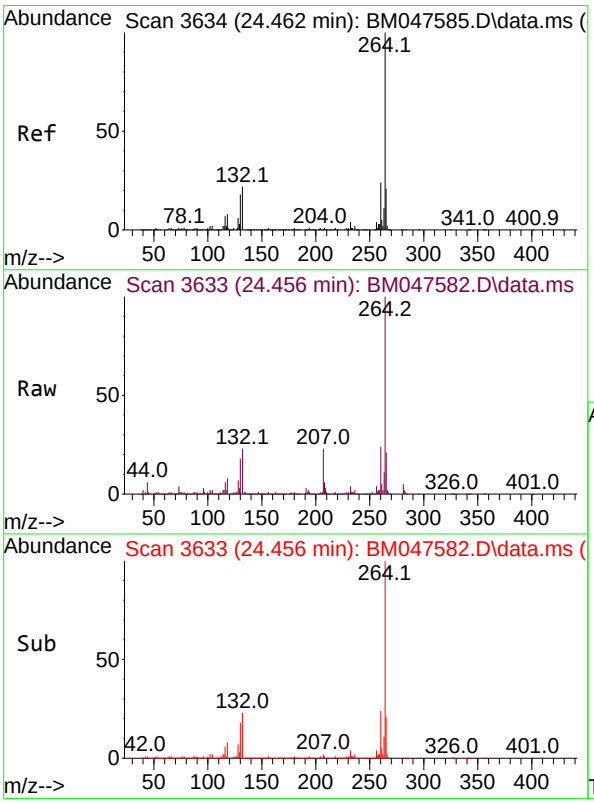
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7#
43	10.7	8.2	12.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

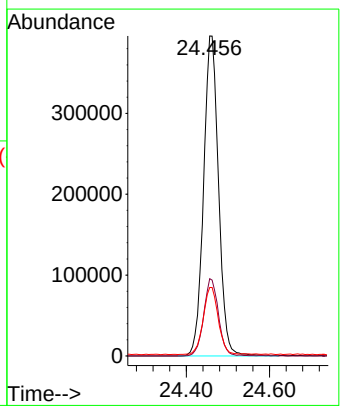


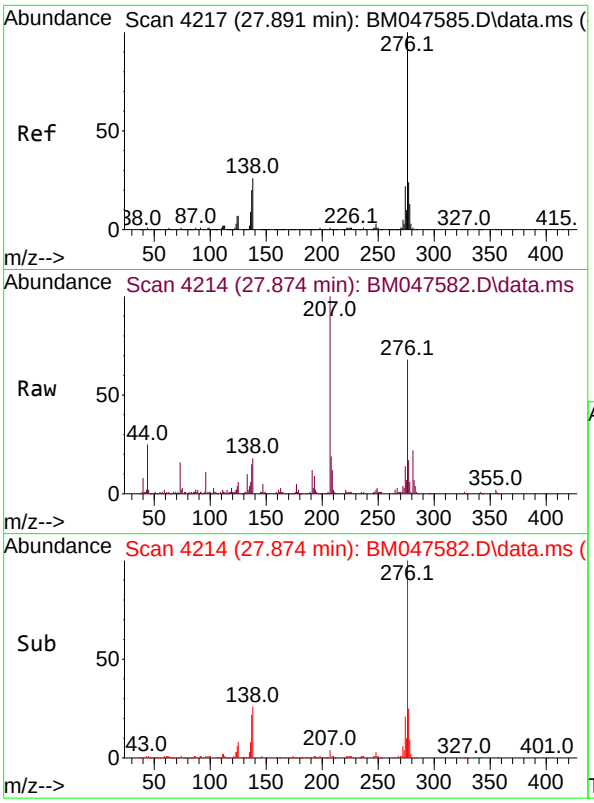


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:264 Resp: 990663

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	21.4	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.638 ng
RT: 27.874 min Scan# 4
Delta R.T. -0.017 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

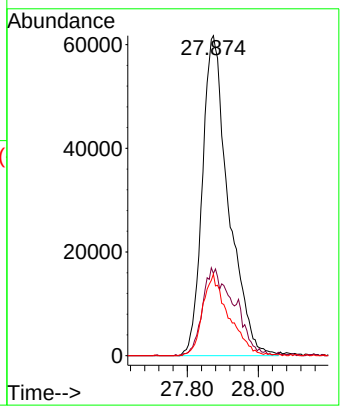
Tgt Ion:276 Resp: 31594

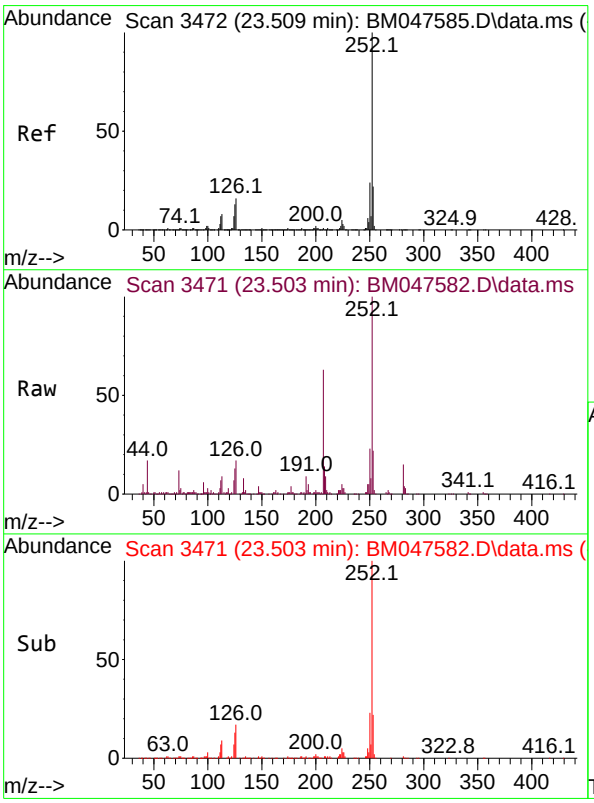
Ion	Ratio	Lower	Upper
276	100		
138	26.5	18.1	27.1
277	25.4	20.0	30.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

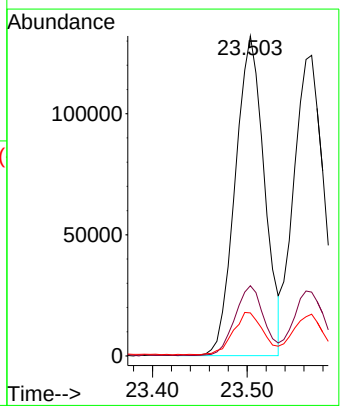


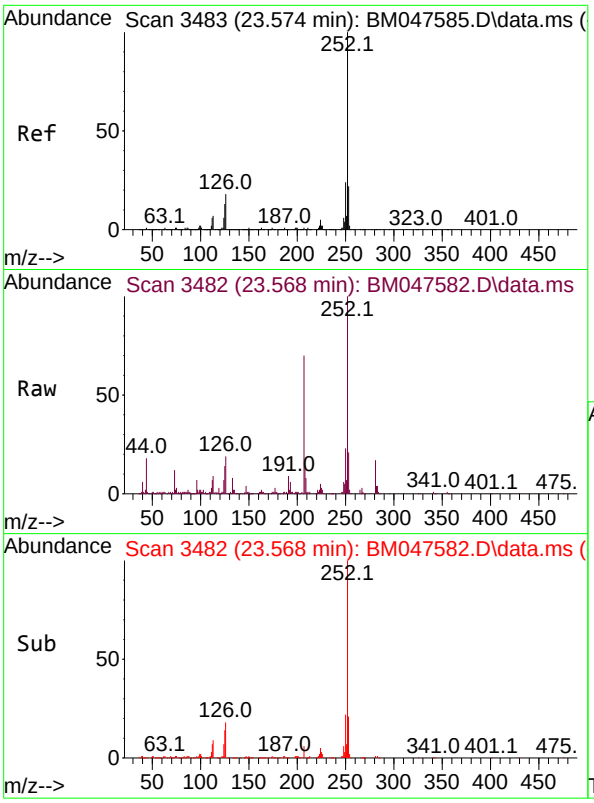


#88
Benzo(b)fluoranthene
Concen: 4.526 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:252 Resp: 281803

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	13.5	10.2	15.2





#89
Benzo(k)fluoranthene
Concen: 4.552 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

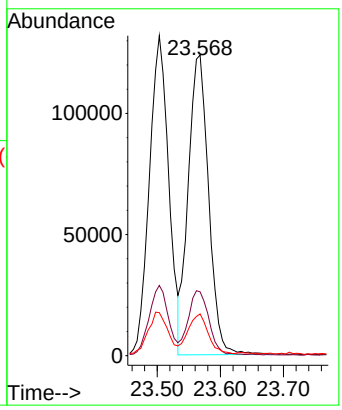
Tgt Ion:252 Resp: 27823

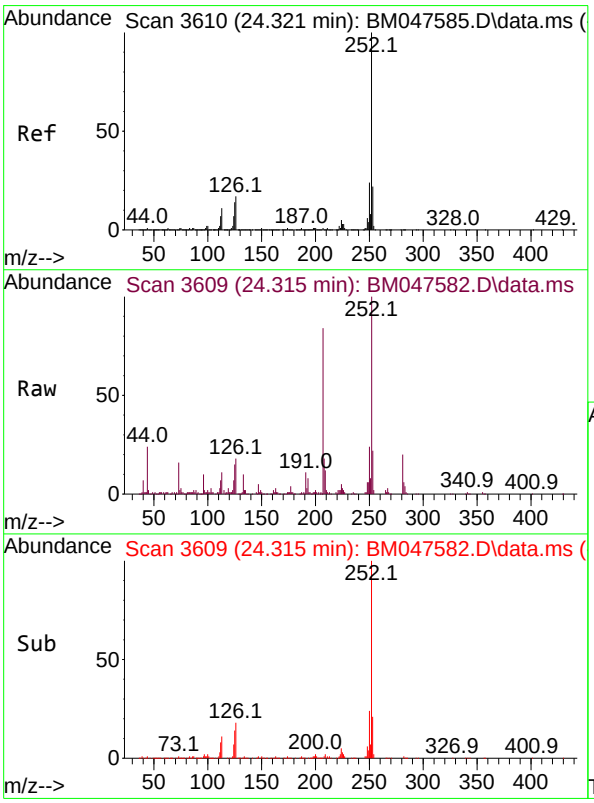
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	13.9	10.2	15.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

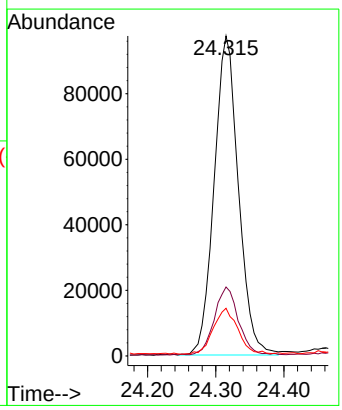


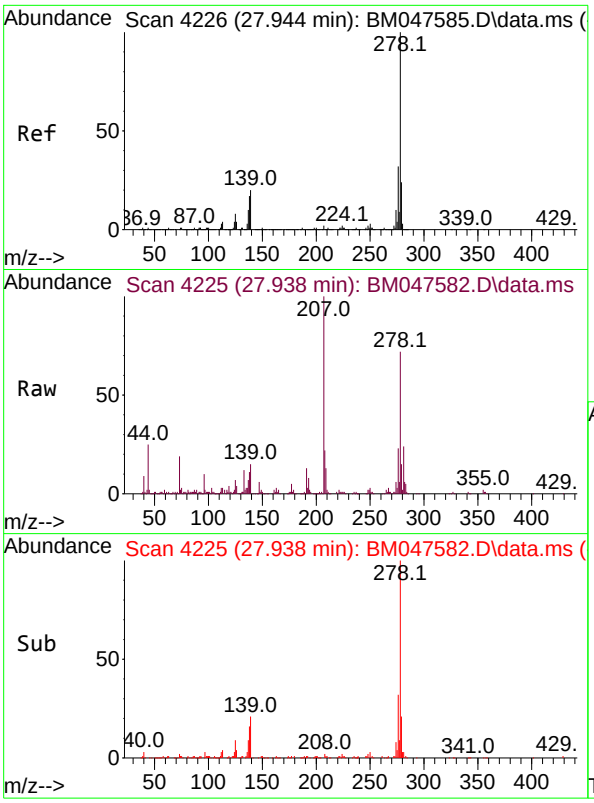


#90
Benzo(a)pyrene
Concen: 4.565 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:252 Resp: 240977

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	14.9	11.5	17.3

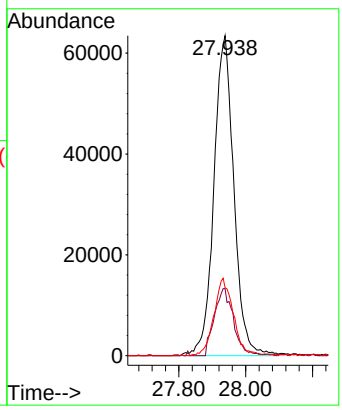




#91
Dibenzo(a,h)anthracene
Concen: 4.632 ng
RT: 27.938 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:278 Resp: 26357

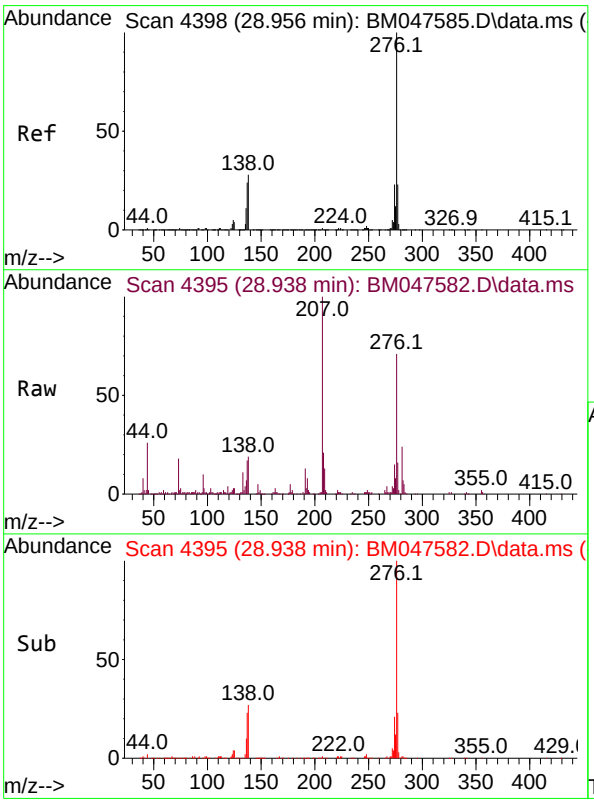
Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.4	24.6
279	21.3	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

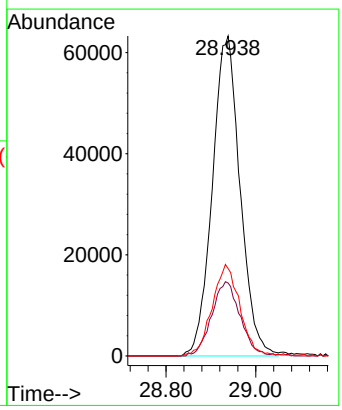
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92
Benzo(g,h,i)perylene
Concen: 4.769 ng
RT: 28.938 min Scan# 4395
Delta R.T. -0.017 min
Lab File: BM047582.D
Acq: 20 Sep 2024 10:20

Tgt Ion:276 Resp: 271957

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.3	27.5
138	27.3	22.3	33.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047583.D
Acq On : 20 Sep 2024 11:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 20 16:19:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	272428	20.000	ng		0.00
21) Naphthalene-d8	10.639	136	1096964	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	577633	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1081339	20.000	ng		0.00
76) Chrysene-d12	21.433	240	972196	20.000	ng		0.00
86) Perylene-d12	24.462	264	1095539	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	350170	19.698	ng		0.00
7) Phenol-d6	7.004	99	450593	19.236	ng		0.00
23) Nitrobenzene-d5	8.998	82	418673	18.999	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	93547	17.490	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	765243	18.745	ng		0.00
79) Terphenyl-d14	19.827	244	934715	17.251	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	82549	10.665	ng		98
3) Pyridine	3.722	79	217905	10.149	ng		95
4) n-Nitrosodimethylamine	3.628	42	88125	9.905	ng	#	92
6) Aniline	7.169	93	201789	10.056	ng		98
8) 2-Chlorophenol	7.410	128	183736	9.872	ng		98
9) Benzaldehyde	6.981	77	143027m	11.951	ng		
10) Phenol	7.034	94	225790	9.708	ng		100
11) bis(2-Chloroethyl)ether	7.263	93	187420	10.026	ng		98
12) 1,3-Dichlorobenzene	7.734	146	207423	10.078	ng		97
13) 1,4-Dichlorobenzene	7.881	146	210220	10.095	ng		98
14) 1,2-Dichlorobenzene	8.198	146	203637	10.145	ng		98
15) Benzyl Alcohol	8.081	79	143103	9.469	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.381	45	242948	10.196	ng		100
17) 2-Methylphenol	8.281	107	141949	9.711	ng		94
18) Hexachloroethane	8.934	117	84257	9.977	ng		96
19) n-Nitroso-di-n-propyla...	8.651	70	139090	9.694	ng		98
20) 3+4-Methylphenols	8.604	107	192597	9.673	ng		96
22) Acetophenone	8.663	105	277806	9.721	ng	#	98
24) Nitrobenzene	9.039	77	223520	9.821	ng		100
25) Isophorone	9.569	82	349705	9.496	ng		99
26) 2-Nitrophenol	9.751	139	68879	8.607	ng		98
27) 2,4-Dimethylphenol	9.810	122	108622	9.523	ng		99
28) bis(2-Chloroethoxy)met...	10.051	93	230927	9.747	ng		98
29) 2,4-Dichlorophenol	10.286	162	135493	9.396	ng		99
30) 1,2,4-Trichlorobenzene	10.504	180	158235	9.628	ng		98
31) Naphthalene	10.692	128	568675	9.799	ng		100
32) Benzoic acid	9.875	122	90241m	8.476	ng		
33) 4-Chloroaniline	10.792	127	195563	9.558	ng		98
34) Hexachlorobutadiene	10.986	225	85162	9.521	ng		96
35) Caprolactam	11.545	113	43474	8.722	ng		97
36) 4-Chloro-3-methylphenol	11.916	107	151348	9.199	ng		99
37) 2-Methylnaphthalene	12.304	142	346385	9.500	ng		99
38) 1-Methylnaphthalene	12.522	142	344445	9.523	ng		98
40) 1,2,4,5-Tetrachloroben...	12.669	216	147331	9.665	ng		99
41) Hexachlorocyclopentadiene	12.657	237	47320	9.403	ng		88
43) 2,4,6-Trichlorophenol	12.904	196	90271	9.112	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047583.D
Acq On : 20 Sep 2024 11:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:19:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	103810	9.322	ng		97
46) 1,1'-Biphenyl	13.310	154	430726	9.655	ng		98
47) 2-Chloronaphthalene	13.351	162	338809	9.707	ng		99
48) 2-Nitroaniline	13.545	65	86478	8.295	ng		95
49) Acenaphthylene	14.198	152	477168	9.500	ng		99
50) Dimethylphthalate	13.927	163	385663	9.670	ng		100
51) 2,6-Dinitrotoluene	14.039	165	73914	8.846	ng		94
52) Acenaphthene	14.539	154	313687m	9.451	ng		
53) 3-Nitroaniline	14.368	138	83261	8.688	ng		97
54) 2,4-Dinitrophenol	14.568	184	27227	7.188	ng		93
55) Dibenzofuran	14.874	168	470651	9.706	ng		98
56) 4-Nitrophenol	14.668	139	70996	8.645	ng		97
57) 2,4-Dinitrotoluene	14.827	165	94700	8.505	ng	#	99
58) Fluorene	15.521	166	393123	9.160	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	78148	9.181	ng		98
60) Diethylphthalate	15.292	149	401849	9.451	ng		99
61) 4-Chlorophenyl-phenyle...	15.515	204	169788	9.054	ng		99
62) 4-Nitroaniline	15.521	138	87624	8.115	ng		97
63) Azobenzene	15.804	77	432828	9.311	ng		99
65) 4,6-Dinitro-2-methylph...	15.586	198	36548	7.133	ng		98
66) n-Nitrosodiphenylamine	15.721	169	303645	9.402	ng		99
67) 4-Bromophenyl-phenylether	16.404	248	90709	9.234	ng		98
68) Hexachlorobenzene	16.521	284	109828	9.564	ng		97
69) Atrazine	16.668	200	84016	10.806	ng		97
70) Pentachlorophenol	16.862	266	63262	8.777	ng		99
71) Phenanthrene	17.251	178	549262	9.358	ng		99
72) Anthracene	17.345	178	514821	9.257	ng		100
73) Carbazole	17.609	167	541865	9.351	ng		100
74) Di-n-butylphthalate	18.180	149	619405	8.837	ng		99
75) Fluoranthene	19.262	202	581077	8.993	ng		98
77) Benzidine	19.439	184	209723	15.840	ng		99
78) Pyrene	19.621	202	622492	9.148	ng		100
80) Butylbenzylphthalate	20.521	149	255197	8.615	ng		97
81) Benzo(a)anthracene	21.415	228	610028	9.543	ng		99
82) 3,3'-Dichlorobenzidine	21.339	252	187500	9.445	ng		99
83) Chrysene	21.480	228	580351	9.546	ng		99
84) Bis(2-ethylhexyl)phtha...	21.350	149	410534	8.665	ng		99
85) Di-n-octyl phthalate	22.491	149	636380	8.704	ng		99
87) Indeno(1,2,3-cd)pyrene	27.879	276	703573	9.339	ng		97
88) Benzo(b)fluoranthene	23.503	252	608328	8.835	ng		100
89) Benzo(k)fluoranthene	23.568	252	608178	8.998	ng		99
90) Benzo(a)pyrene	24.321	252	522389	8.948	ng		98
91) Dibenzo(a,h)anthracene	27.938	278	578910	9.200	ng		98
92) Benzo(g,h,i)perylene	28.944	276	595414	9.441	ng		98

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

ICAL Form

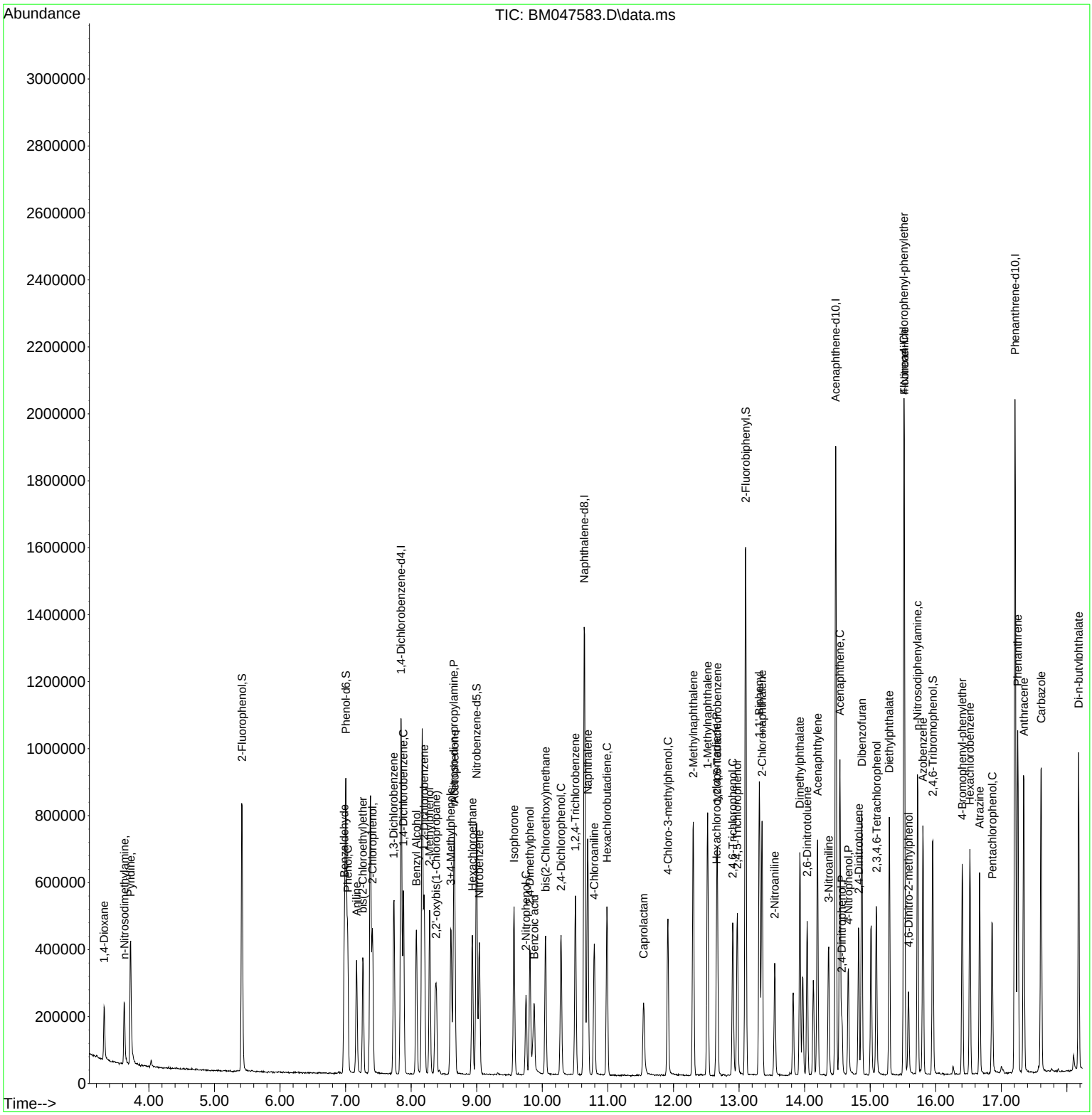
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047583.D
Acq On : 20 Sep 2024 11:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 20 16:19:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



ICAL Form

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Data File : BM047583.D
Acq On : 20 Sep 2024 11:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 20 16:19:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
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ClientSampleId :
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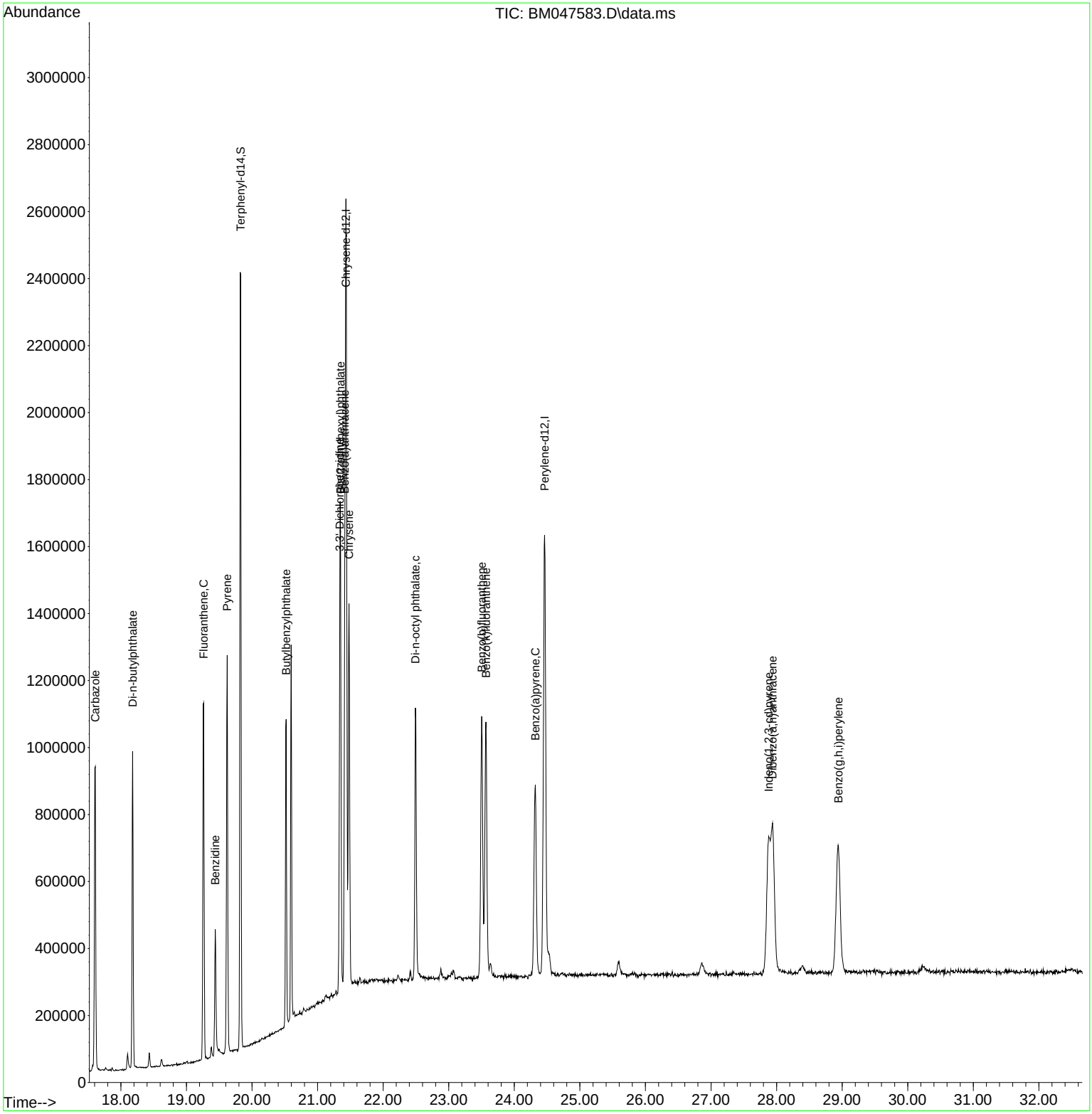
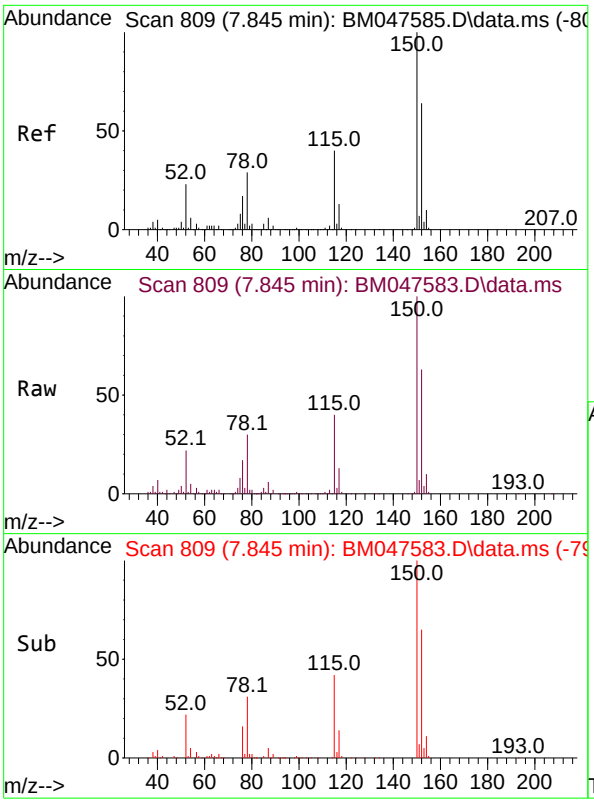
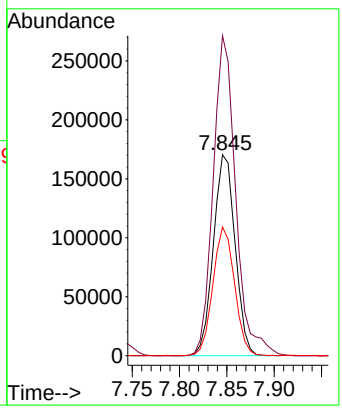




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:152 Resp: 27242

Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.5	186.7
115	64.0	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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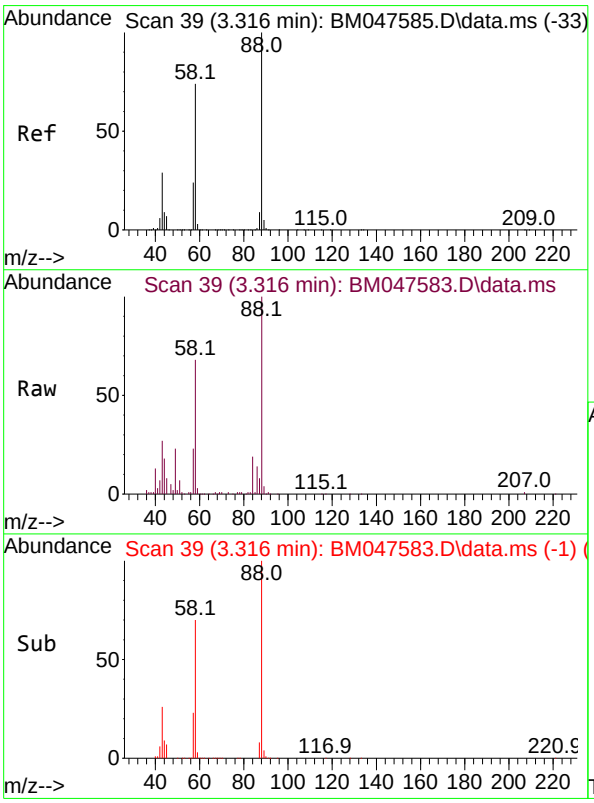
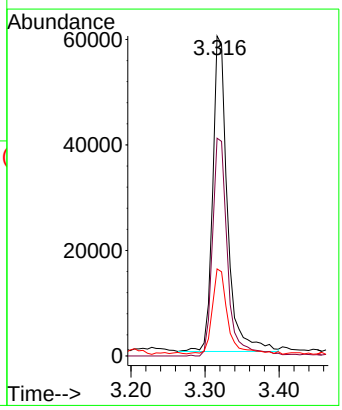
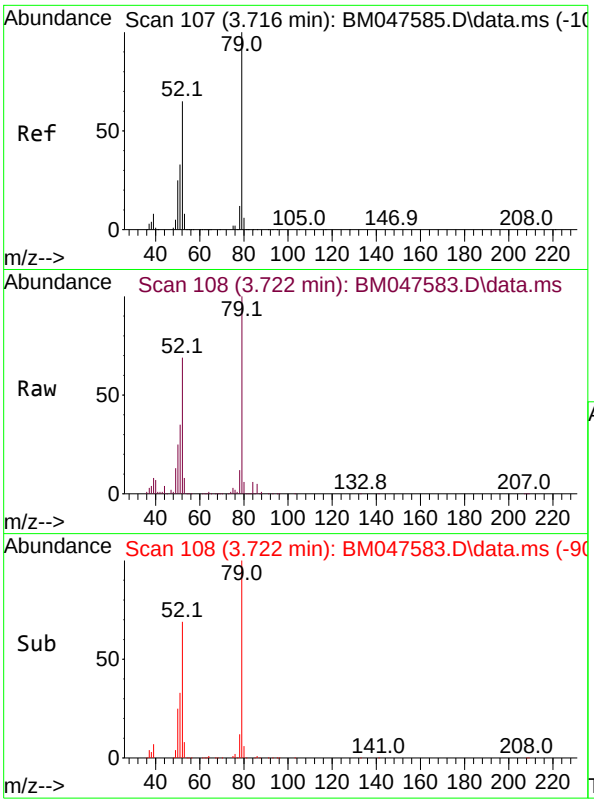


#2
1,4-Dioxane
Concen: 10.665 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 88 Resp: 82549

Ion	Ratio	Lower	Upper
88	100		
58	70.5	58.0	87.0
43	28.7	23.1	34.7

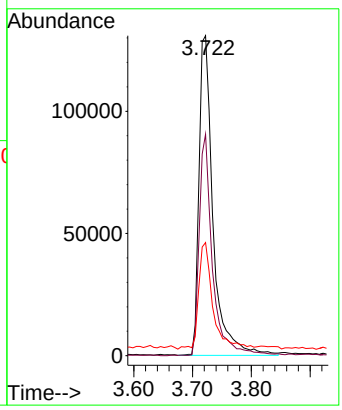




#3
Pyridine
Concen: 10.149 ng
RT: 3.722 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 79 Resp: 21790

Ion	Ratio	Lower	Upper
79	100		
52	69.2	52.2	78.2
51	35.4	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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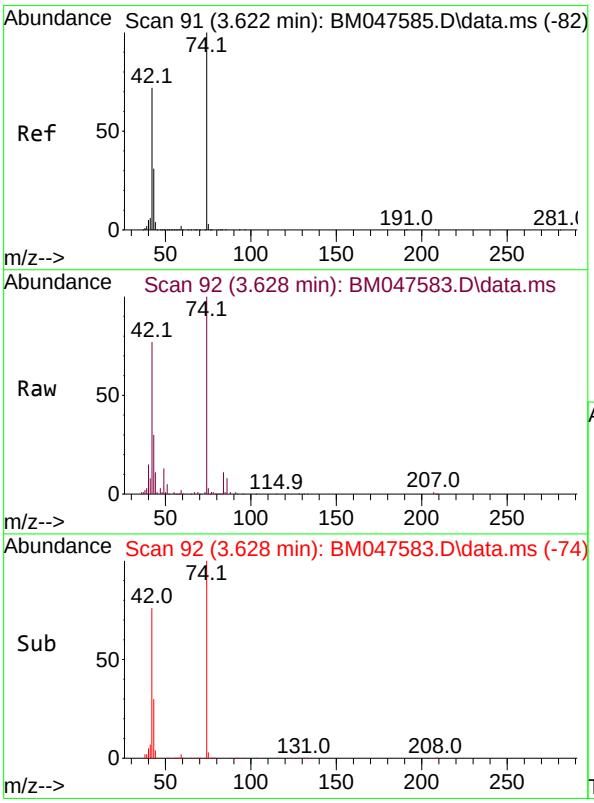
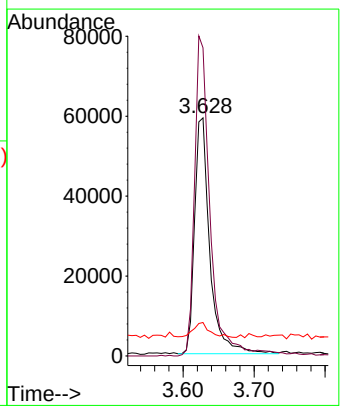
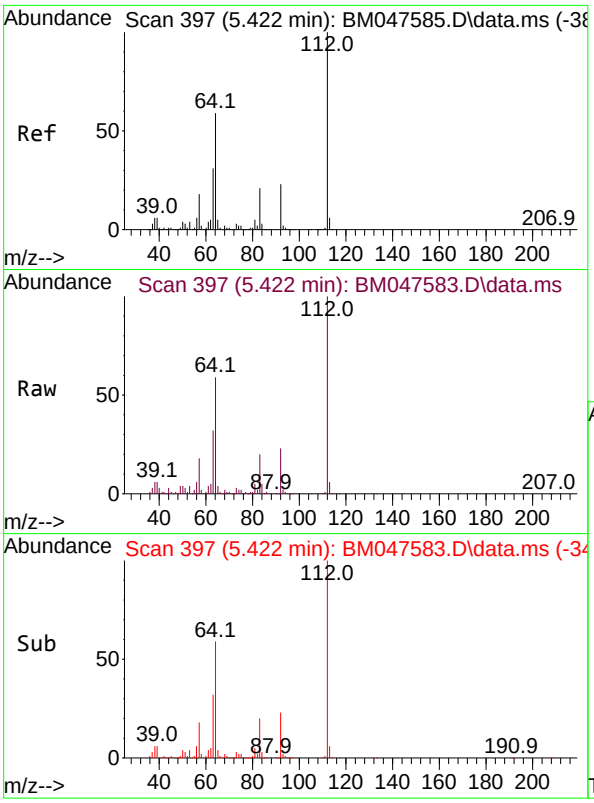


#4
n-Nitrosodimethylamine
Concen: 9.905 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 42 Resp: 88125

Ion	Ratio	Lower	Upper
42	100		
74	129.5	110.8	166.2
44	14.1	6.1	9.1#

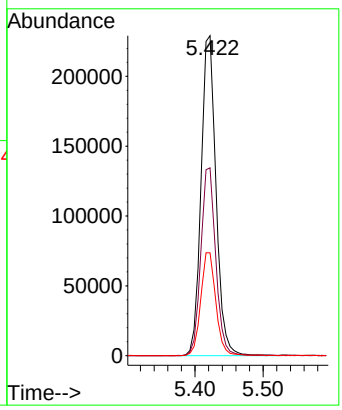




#5
2-Fluorophenol
Concen: 19.698 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:112 Resp: 35017

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.8	70.2
63	32.2	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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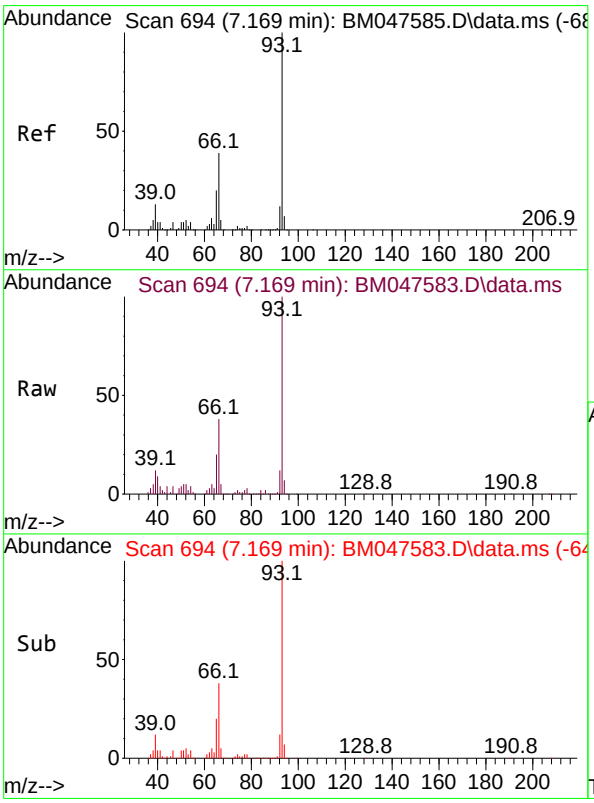
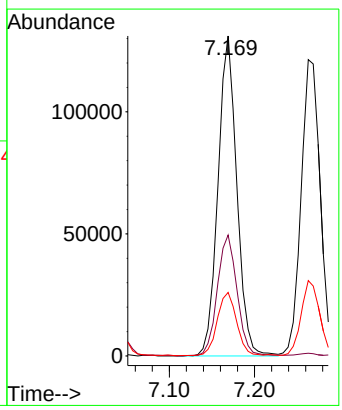
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

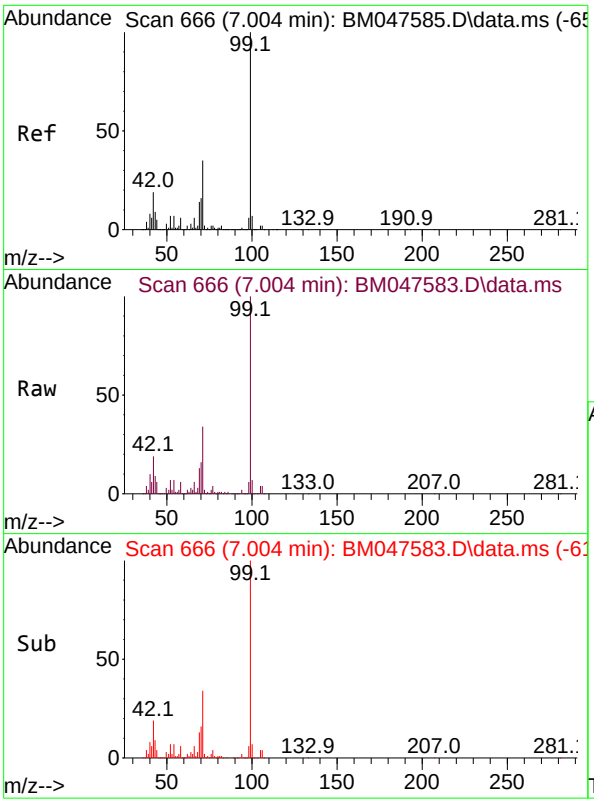


#6
Aniline
Concen: 10.056 ng
RT: 7.169 min Scan# 694
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 93 Resp: 201789

Ion	Ratio	Lower	Upper
93	100		
66	37.8	31.4	47.0
65	19.9	16.2	24.2

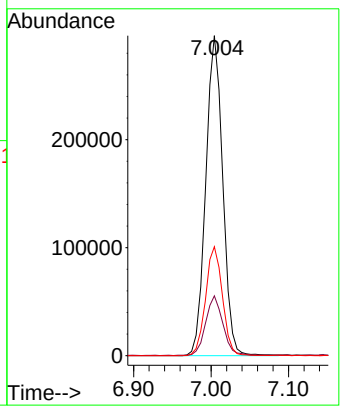




#7
Phenol-d6
Concen: 19.236 ng
RT: 7.004 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 99 Resp: 45059

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.3	22.9
71	34.0	27.8	41.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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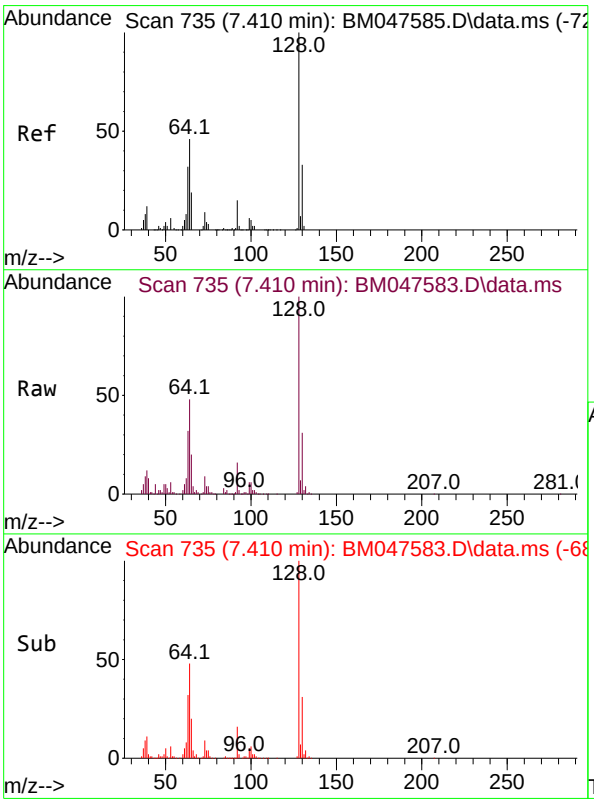
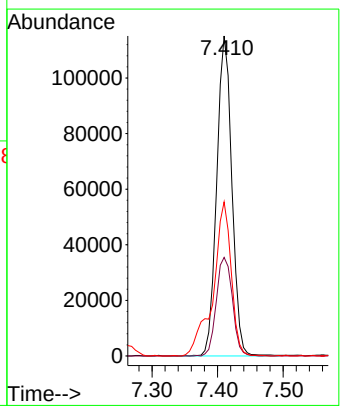
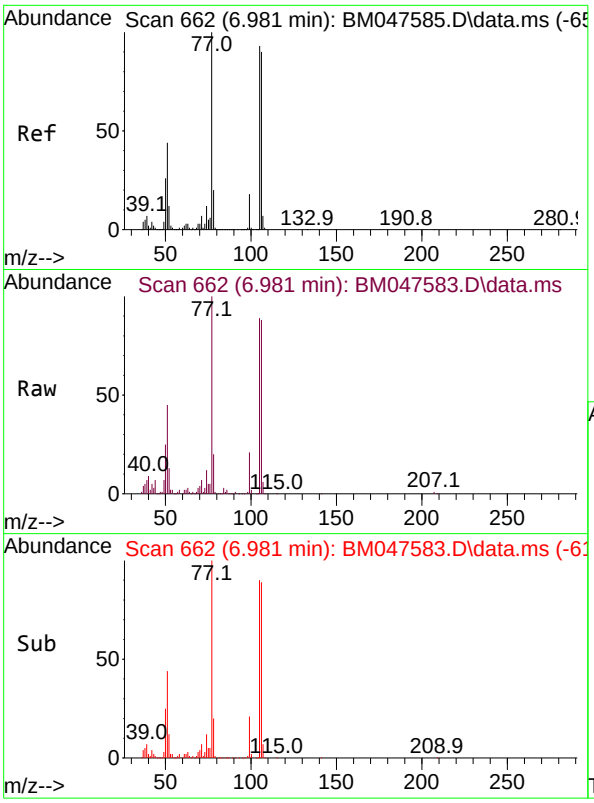


#8
2-Chlorophenol
Concen: 9.872 ng
RT: 7.410 min Scan# 735
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:128 Resp: 183736

Ion	Ratio	Lower	Upper
128	100		
130	30.8	12.6	52.6
64	48.1	27.6	67.6

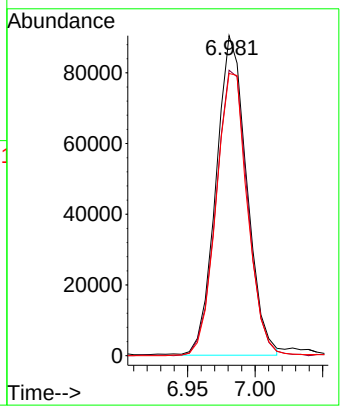




#9
Benzaldehyde
Concen: 11.951 ng m
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 77 Resp: 14302

Ion	Ratio	Lower	Upper
77	100		
105	89.2	73.0	113.0
106	88.2	70.3	110.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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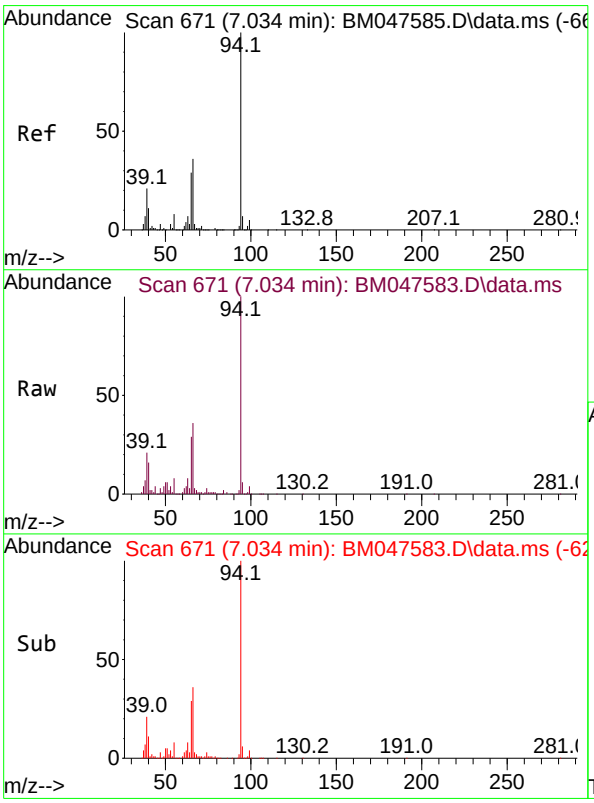
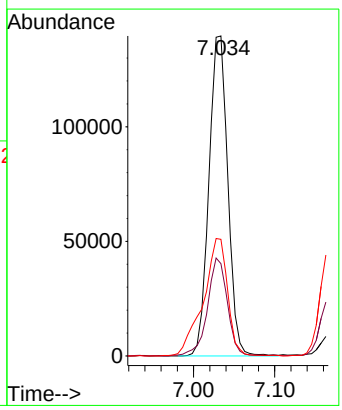
Supervised By :mohammad ahmed 09/24/2024

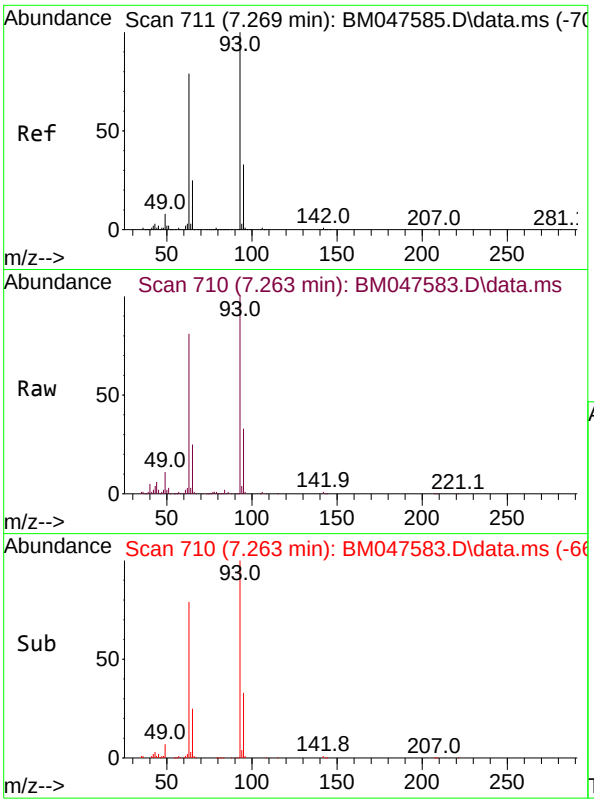


#10
Phenol
Concen: 9.708 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 94 Resp: 225790

Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.1	49.1
66	36.5	16.5	56.5

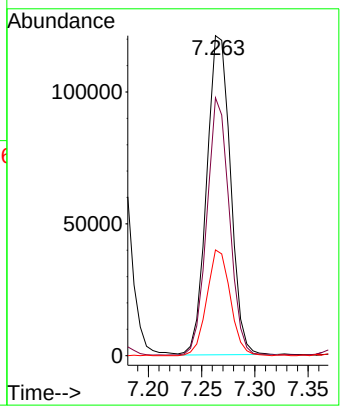




#11
bis(2-Chloroethyl)ether
Concen: 10.026 ng
RT: 7.263 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 93 Resp: 18742

Ion	Ratio	Lower	Upper
93	100		
63	80.6	58.5	98.5
95	33.0	12.9	52.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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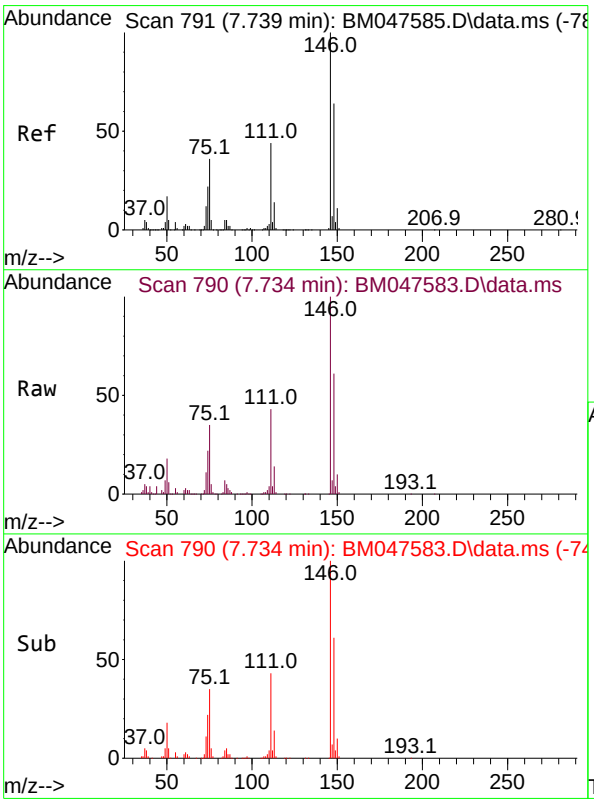
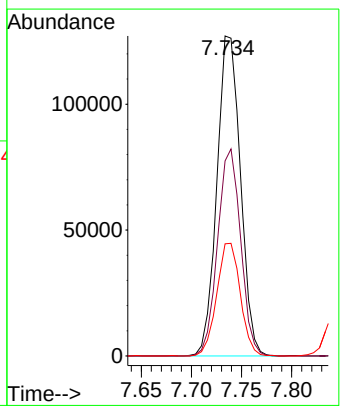
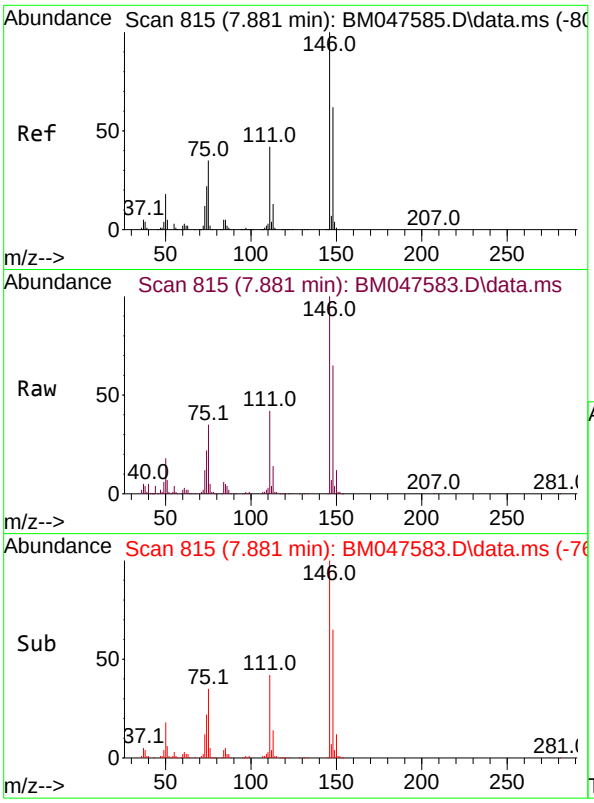


#12
1,3-Dichlorobenzene
Concen: 10.078 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:146 Resp: 207423

Ion	Ratio	Lower	Upper
146	100		
148	60.9	51.4	77.2
75	35.0	28.4	42.6

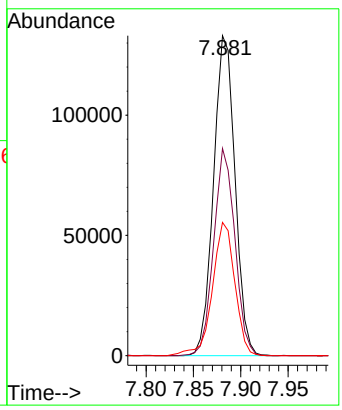




#13
1,4-Dichlorobenzene
Concen: 10.095 ng
RT: 7.881 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:146 Resp: 21022

Ion	Ratio	Lower	Upper
146	100		
148	64.7	49.8	74.6
111	41.6	33.3	49.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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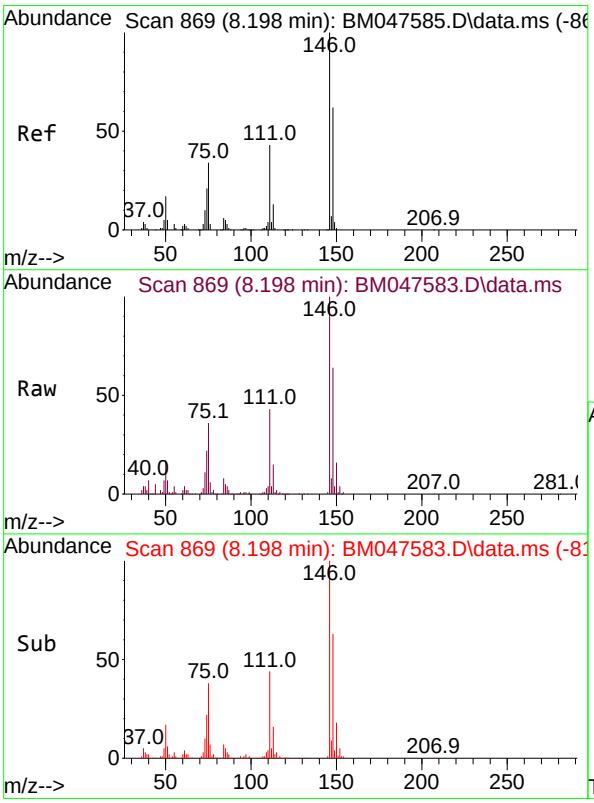
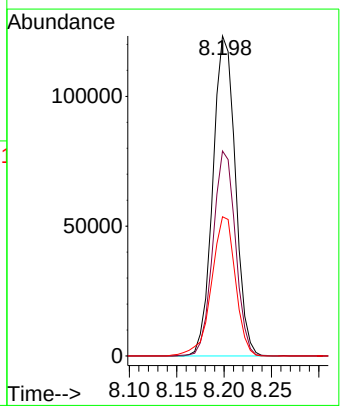
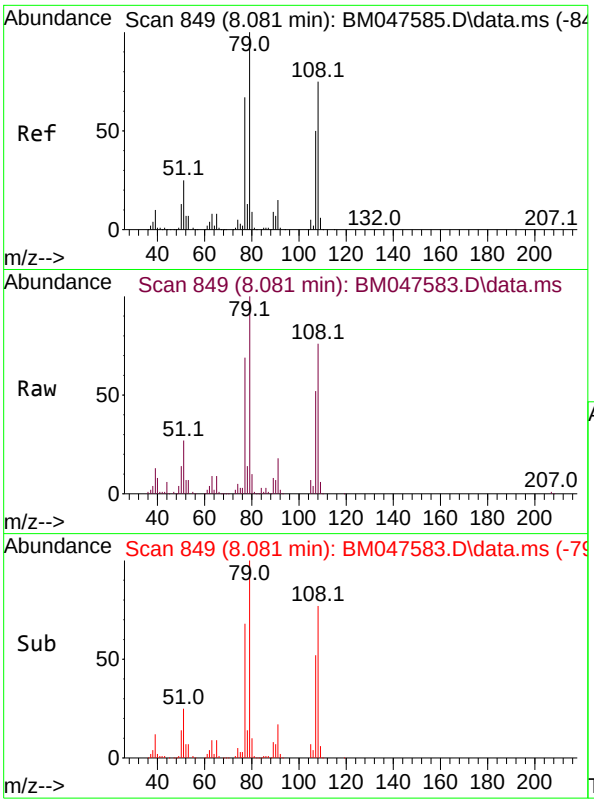


#14
1,2-Dichlorobenzene
Concen: 10.145 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:146 Resp: 203637

Ion	Ratio	Lower	Upper
146	100		
148	64.1	49.7	74.5
111	43.5	34.8	52.2





#15
Benzyl Alcohol
Concen: 9.469 ng
RT: 8.081 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 79 Resp: 14310

Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	68.5	53.9	80.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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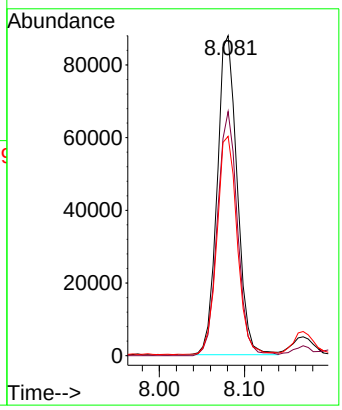
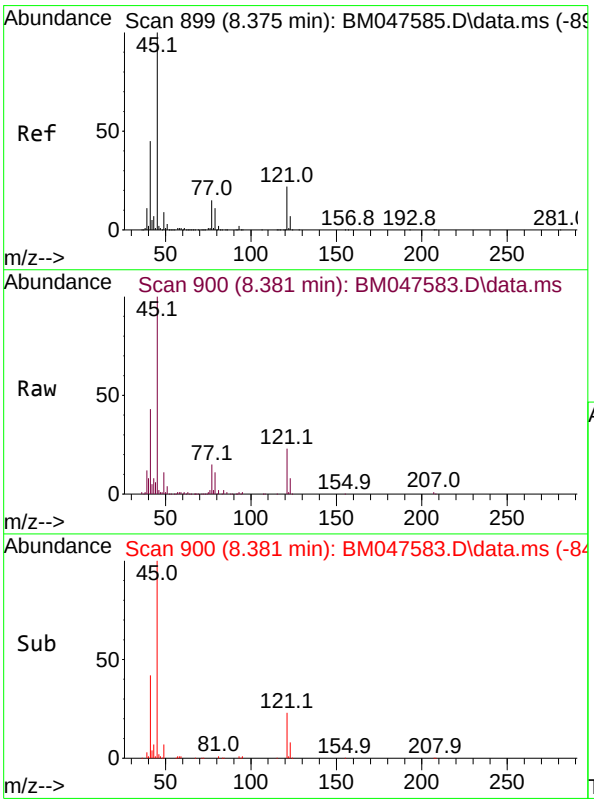
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

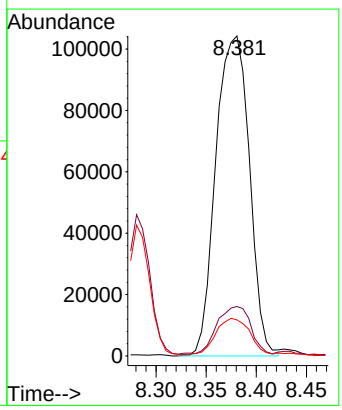


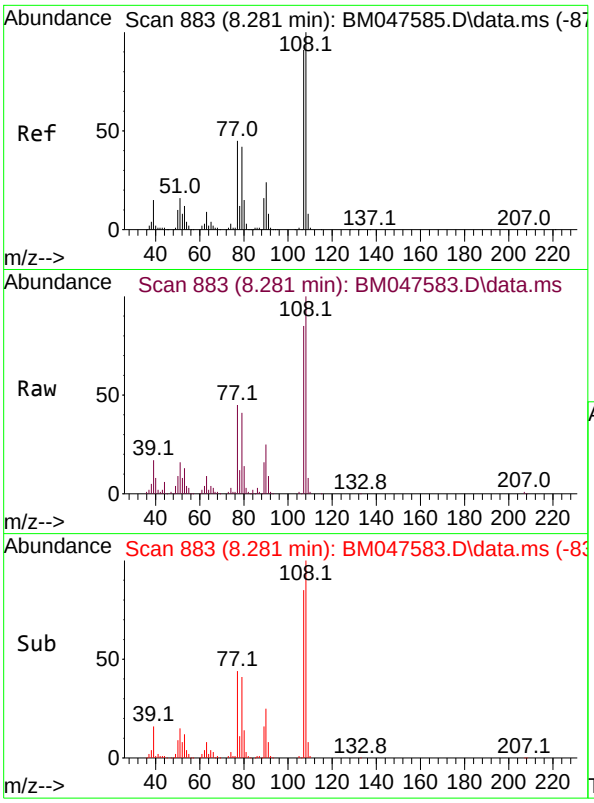


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.196 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 45 Resp: 242948

Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	35.5
79	11.3	0.0	31.6

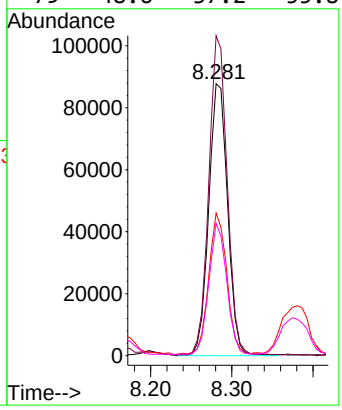




#17
2-Methylphenol
Concen: 9.711 ng
RT: 8.281 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:107 Resp: 14194

Ion	Ratio	Lower	Upper
107	100		
108	117.6	87.8	131.6
77	52.4	39.6	59.4
79	48.6	37.2	55.8



Instrument :
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ClientSampleId :
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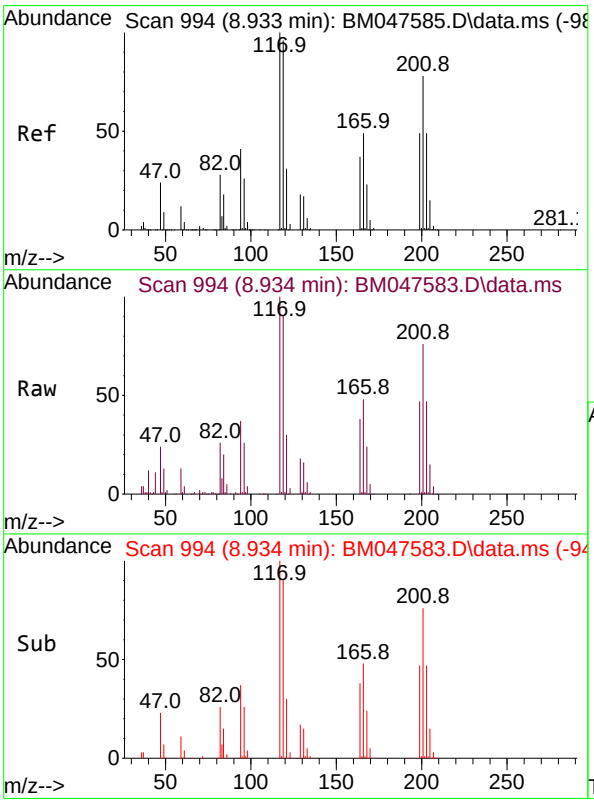
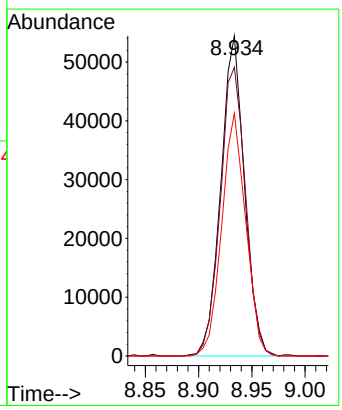
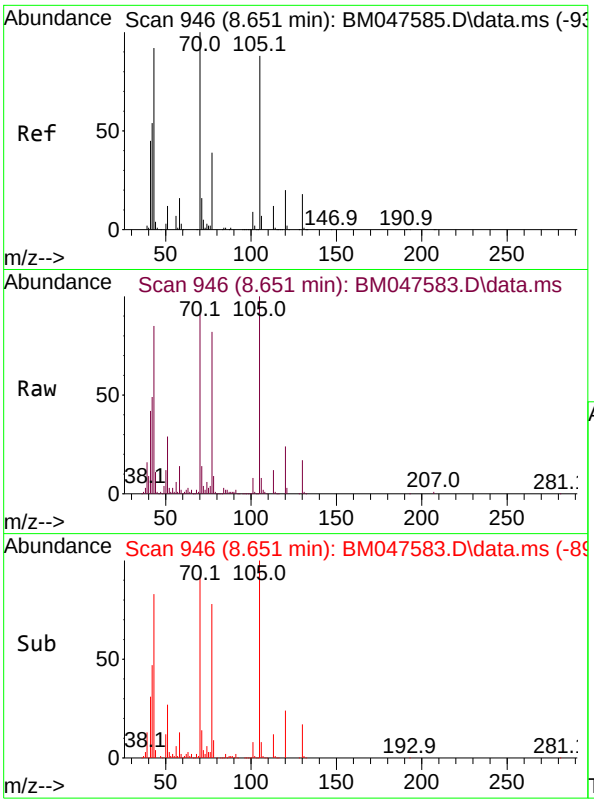


#18
Hexachloroethane
Concen: 9.977 ng
RT: 8.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:117 Resp: 84257

Ion	Ratio	Lower	Upper
117	100		
119	90.2	77.2	115.8
201	77.2	62.3	93.5

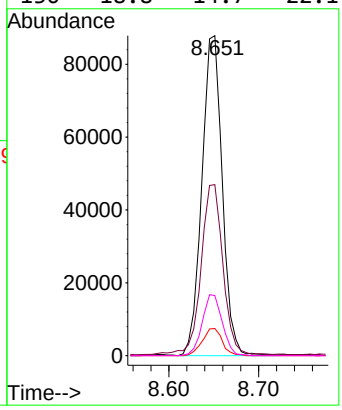




#19
n-Nitroso-di-n-propylamine
Concen: 9.694 ng
RT: 8.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 70 Resp: 13909

Ion	Ratio	Lower	Upper
70	100		
42	53.4	44.2	66.2
101	8.5	7.0	10.4
130	18.8	14.7	22.1



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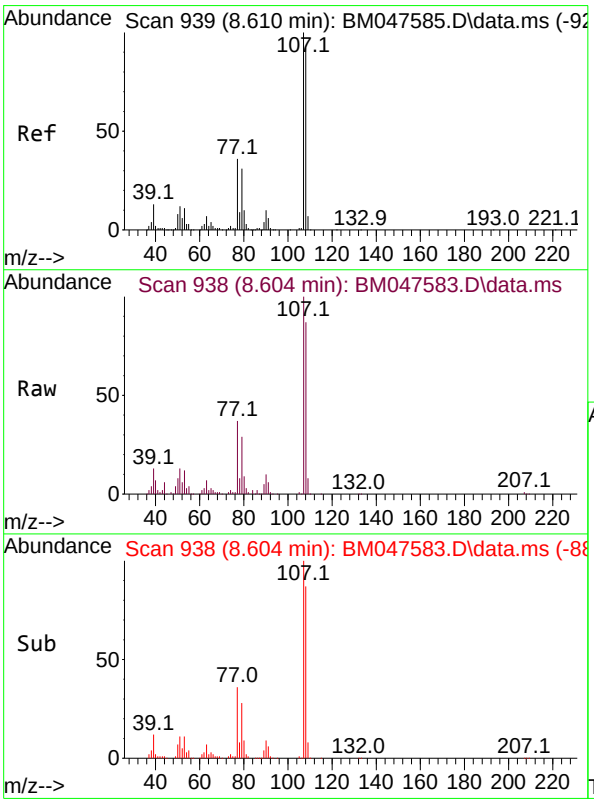
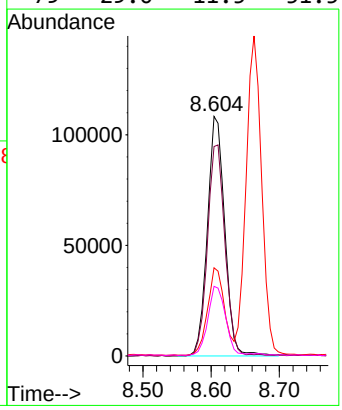
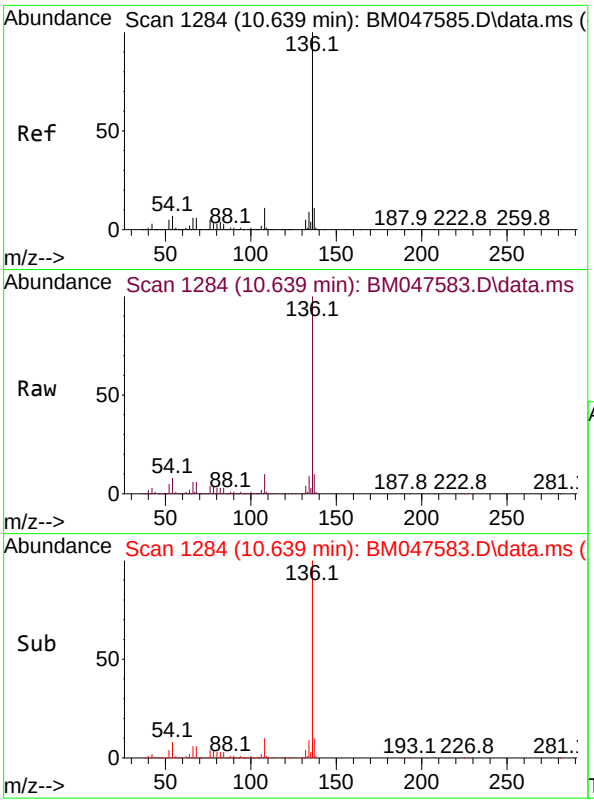


#20
3+4-Methylphenols
Concen: 9.673 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:107 Resp: 192597

Ion	Ratio	Lower	Upper
107	100		
108	87.4	71.8	111.8
77	36.8	16.1	56.1
79	29.0	11.5	51.5

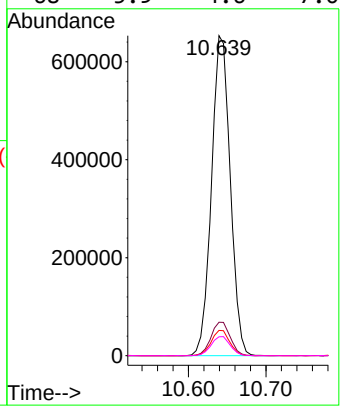




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:136 Resp: 109696

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	7.9	6.0	9.0
68	5.9	4.6	7.0



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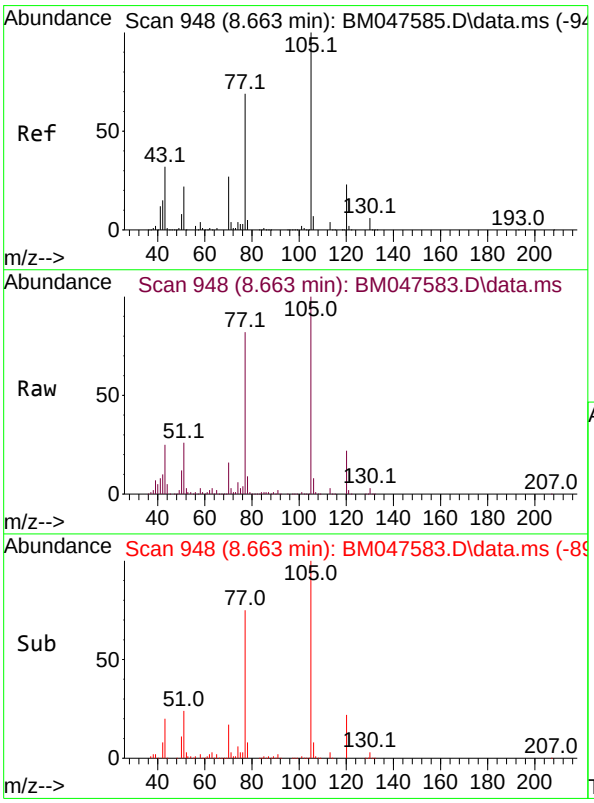
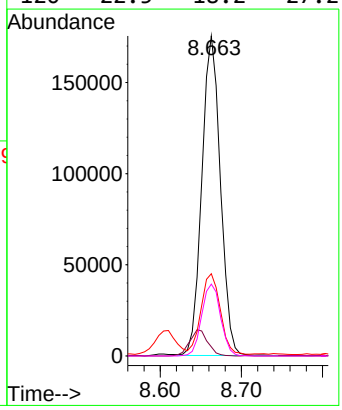
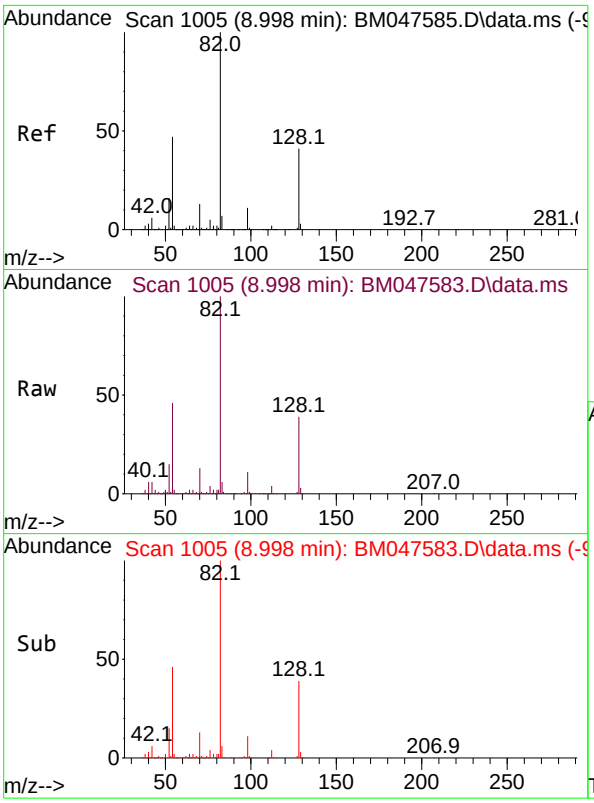


#22
Acetophenone
Concen: 9.721 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:105 Resp: 277806

Ion	Ratio	Lower	Upper
105	100		
71	2.9	3.4	5.2#
51	25.7	21.4	32.2
120	22.5	18.2	27.2

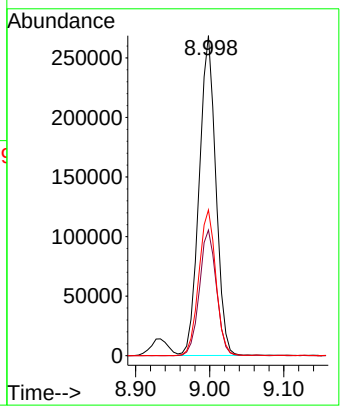




#23
Nitrobenzene-d5
Concen: 18.999 ng
RT: 8.998 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 82 Resp: 41867

Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.5	48.7
54	45.6	37.5	56.3



Instrument :
BNA_M
ClientSampleId :
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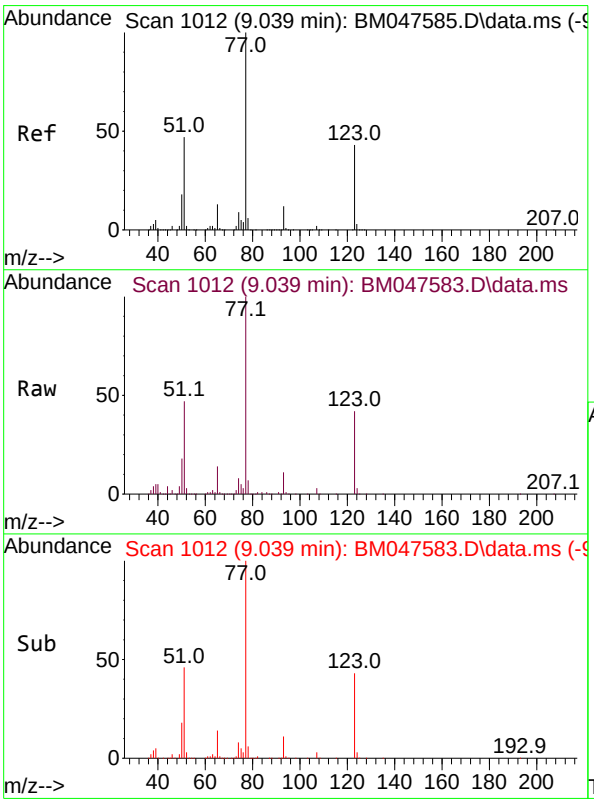
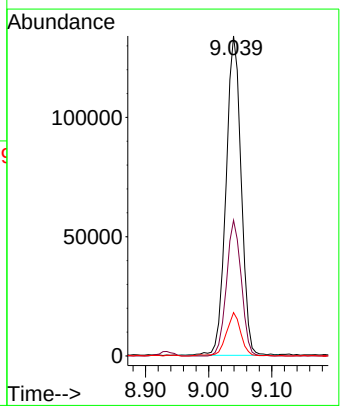
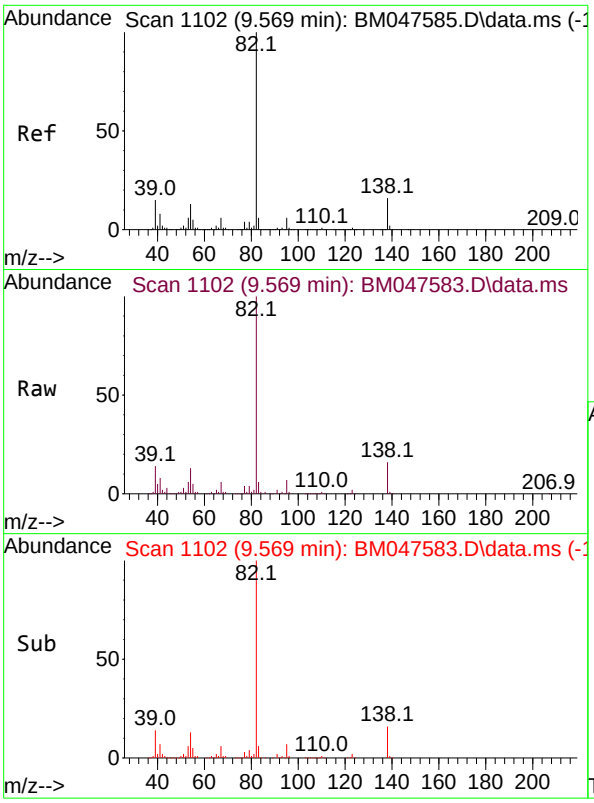


#24
Nitrobenzene
Concen: 9.821 ng
RT: 9.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 77 Resp: 223520

Ion	Ratio	Lower	Upper
77	100		
123	42.4	34.1	51.1
65	13.6	10.7	16.1





#25
Isophorone
Concen: 9.496 ng
RT: 9.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 82 Resp: 34970

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.0	7.6
138	16.3	12.9	19.3

Instrument :
BNA_M
ClientSampleId :
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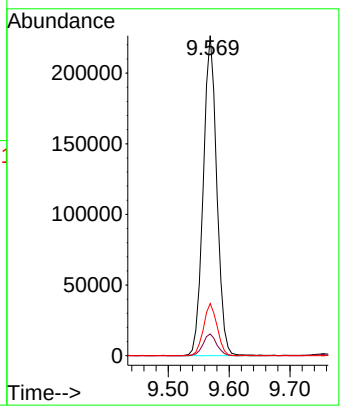
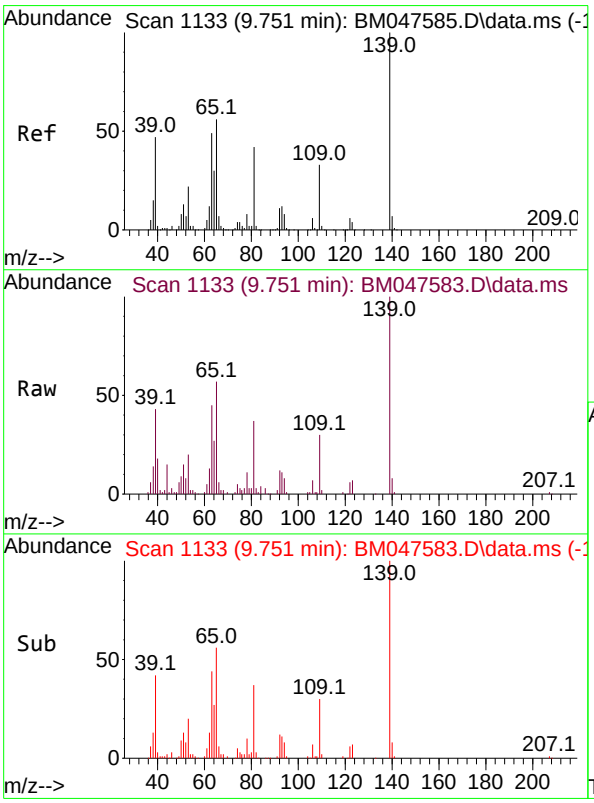
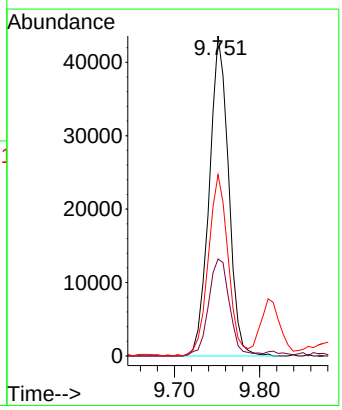


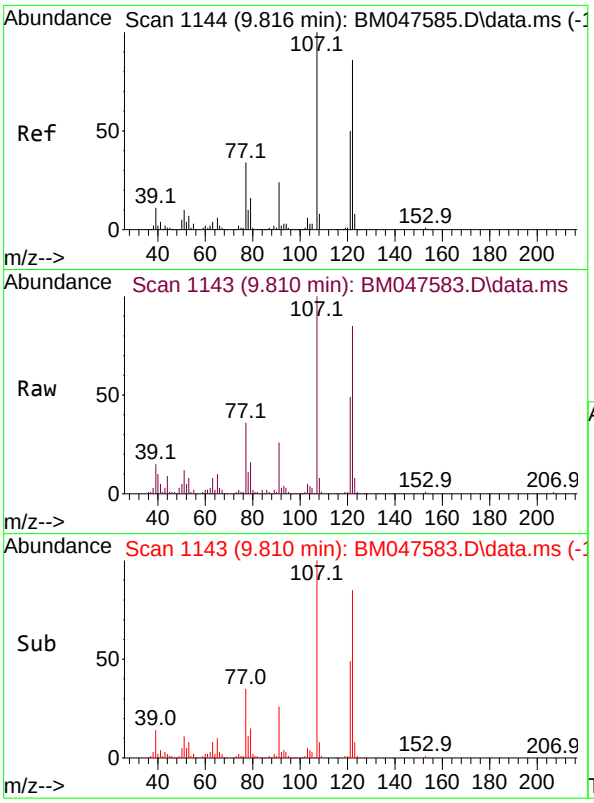


#26
2-Nitrophenol
Concen: 8.607 ng
RT: 9.751 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:139 Resp: 68879

Ion	Ratio	Lower	Upper
139	100		
109	30.3	26.1	39.1
65	56.7	44.7	67.1

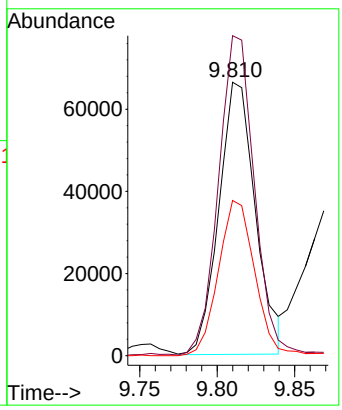




#27
2,4-Dimethylphenol
Concen: 9.523 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:122 Resp: 10862

Ion	Ratio	Lower	Upper
122	100		
107	117.0	92.2	138.2
121	56.8	45.8	68.6



Instrument :
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ClientSampleId :
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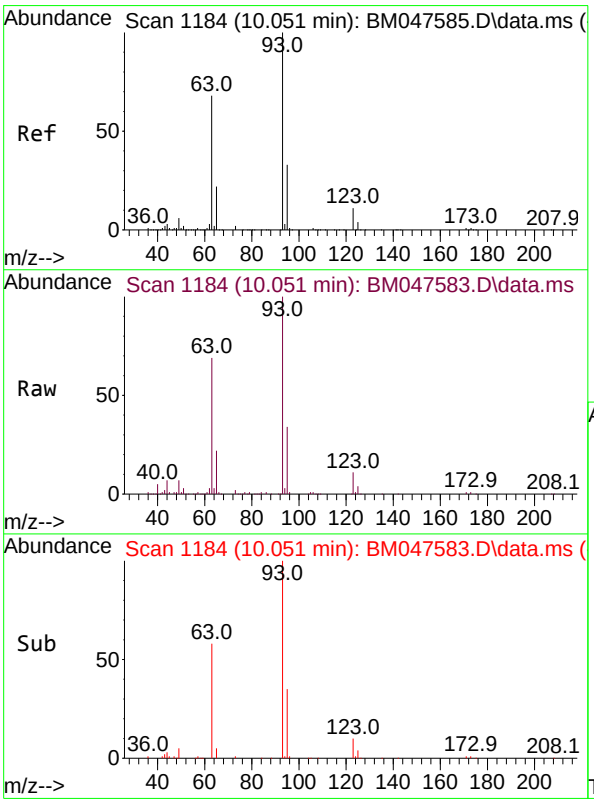
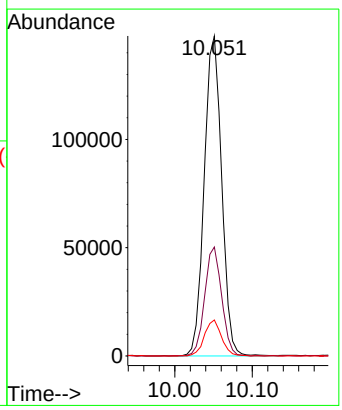
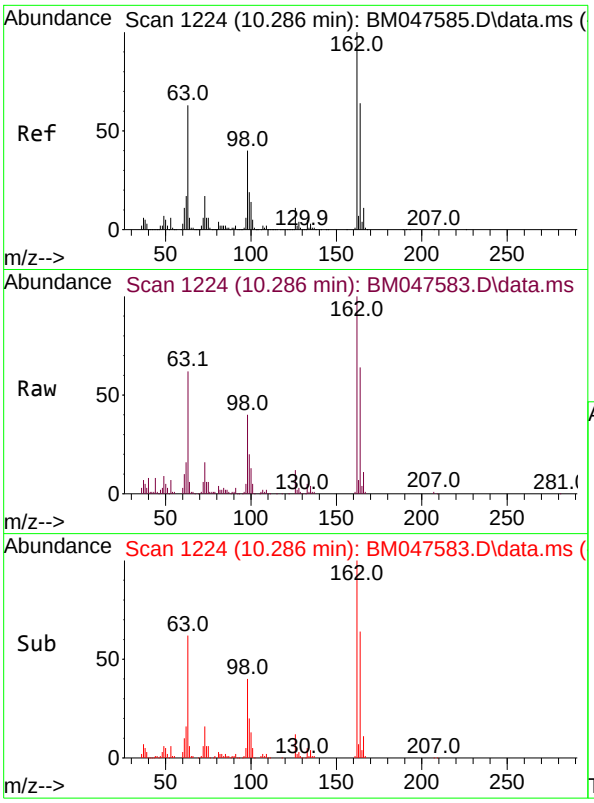


#28
bis(2-Chloroethoxy)methane
Concen: 9.747 ng
RT: 10.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 93 Resp: 230927

Ion	Ratio	Lower	Upper
93	100		
95	34.1	26.2	39.4
123	11.2	9.0	13.4

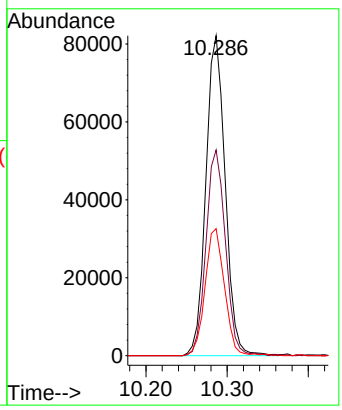




#29
2,4-Dichlorophenol
Concen: 9.396 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:162 Resp: 13549

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.9	83.9
98	39.7	20.3	60.3



Instrument :
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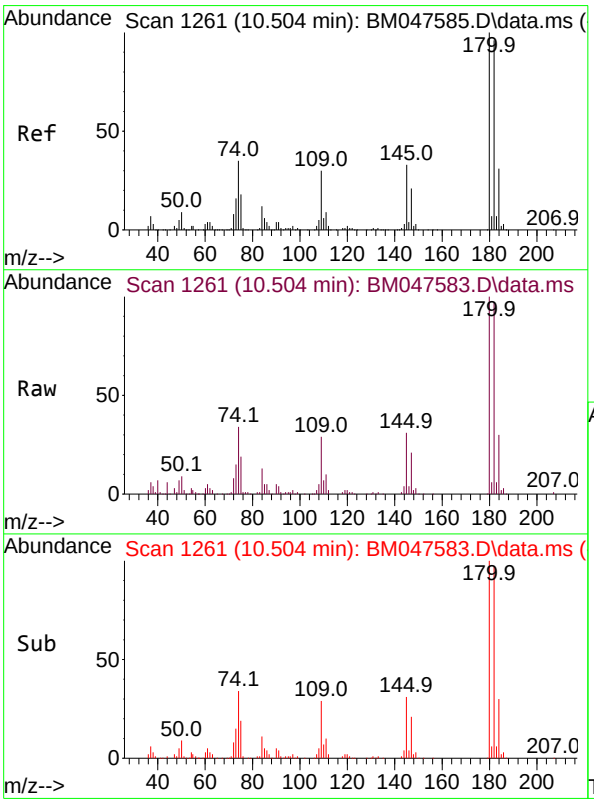
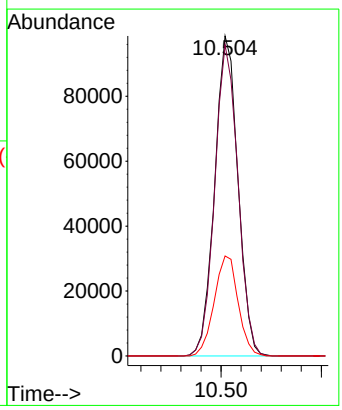
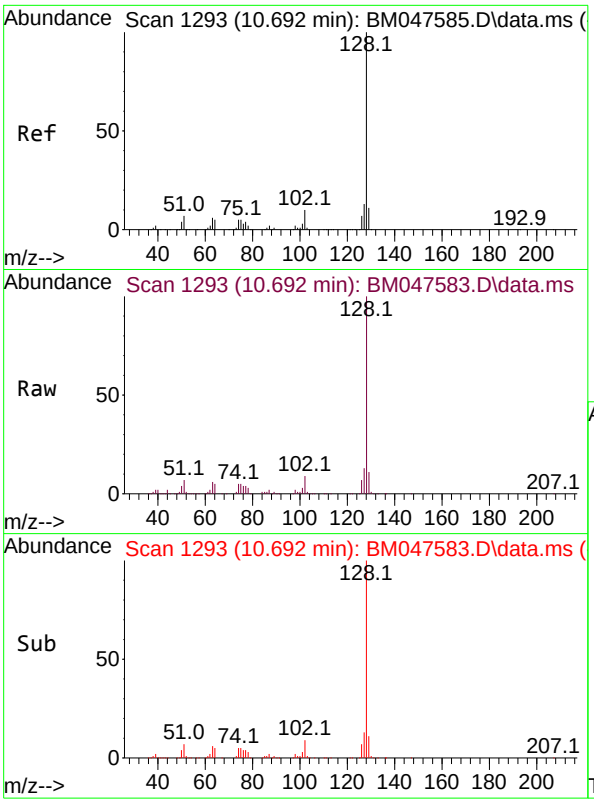


#30
1,2,4-Trichlorobenzene
Concen: 9.628 ng
RT: 10.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:180 Resp: 158235

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.6	115.0
145	31.3	26.2	39.2

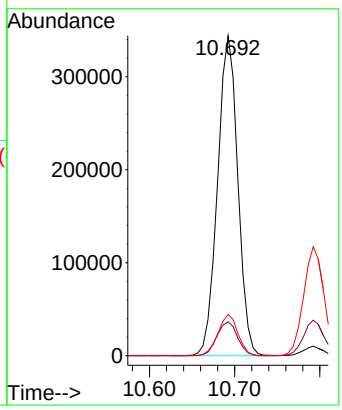




#31
Naphthalene
Concen: 9.799 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:128 Resp: 56867

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.9	10.3	15.5



Instrument :
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ClientSampleId :
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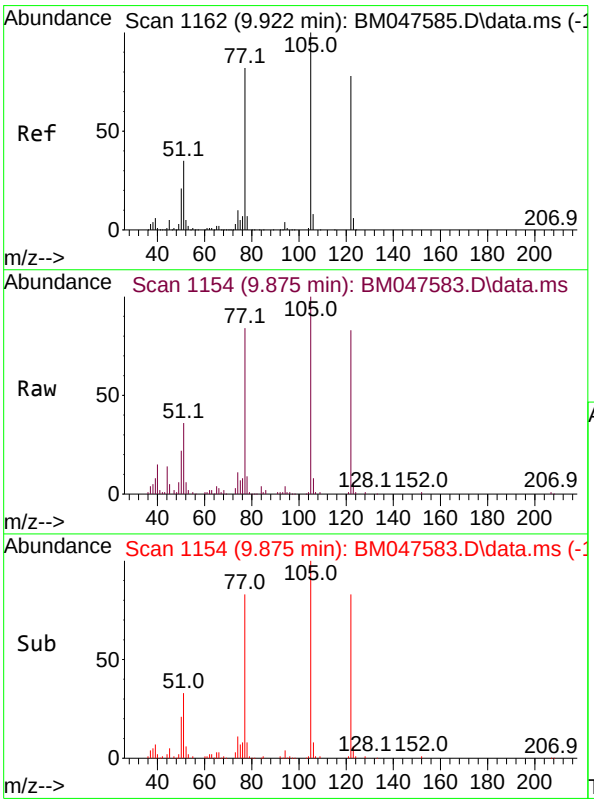
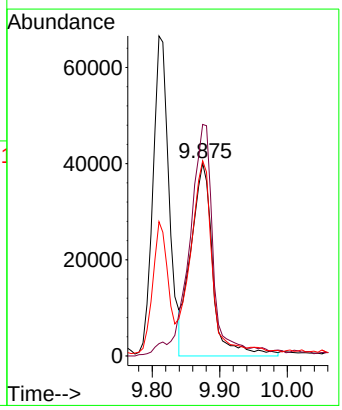
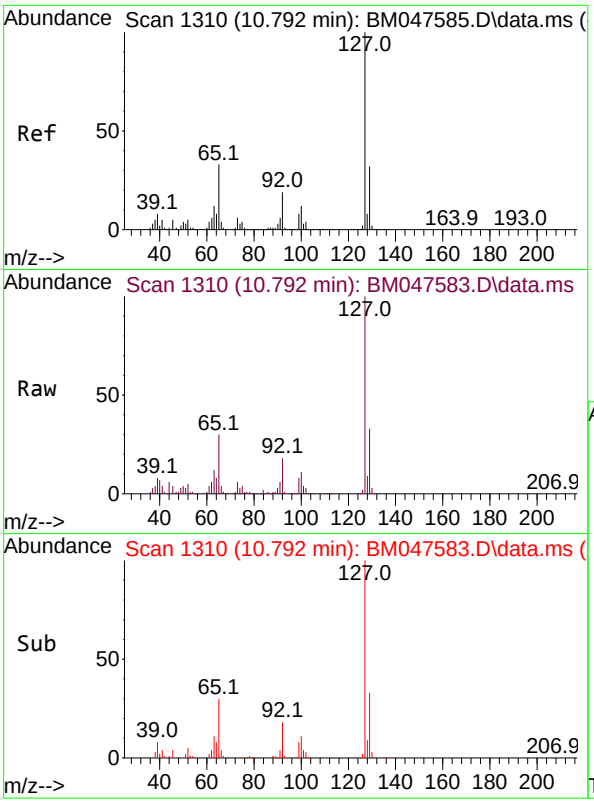


#32
Benzoic acid
Concen: 8.476 ng m
RT: 9.875 min Scan# 1154
Delta R.T. -0.047 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:122 Resp: 90241

Ion	Ratio	Lower	Upper
122	100		
105	120.1	103.1	143.1
77	101.2	82.4	122.4

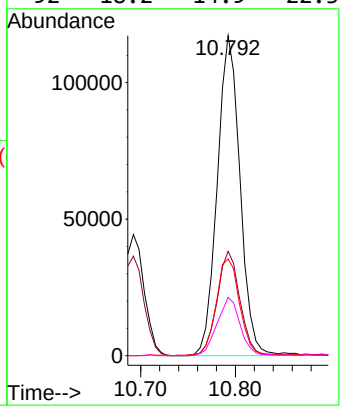




#33
4-Chloroaniline
Concen: 9.558 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:127 Resp: 19556

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.6	38.4
65	30.3	26.1	39.1
92	18.2	14.9	22.3



Instrument :
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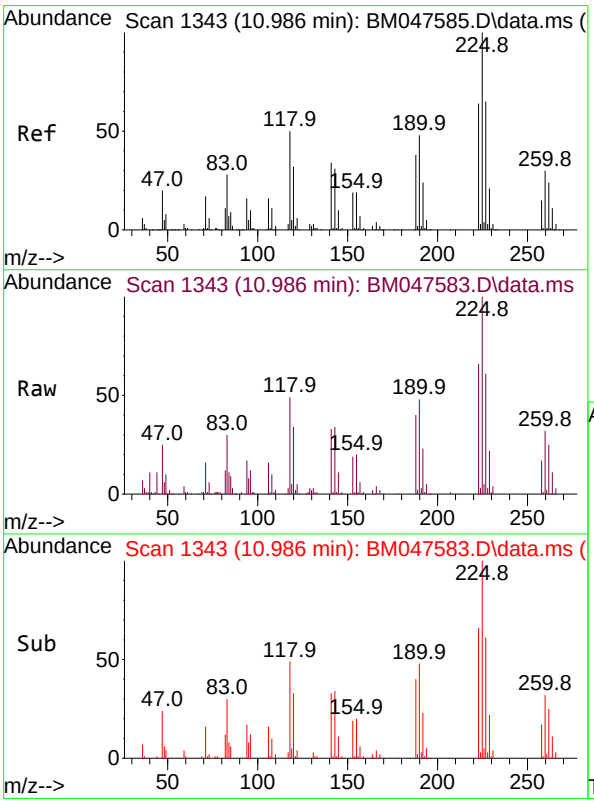
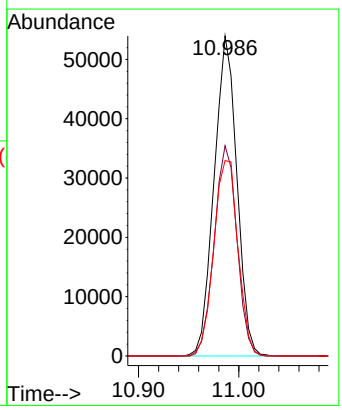
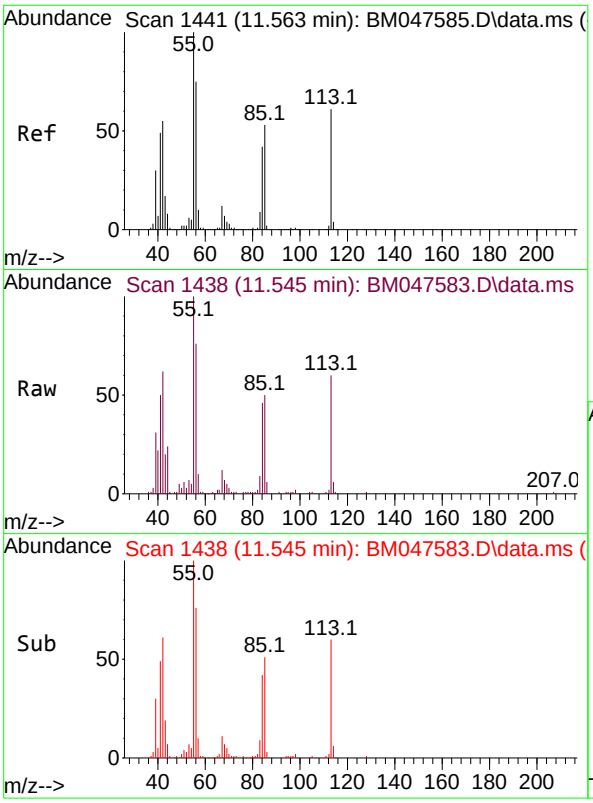


#34
Hexachlorobutadiene
Concen: 9.521 ng
RT: 10.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:225 Resp: 85162

Ion	Ratio	Lower	Upper
225	100		
223	65.7	51.4	77.0
227	61.1	52.1	78.1

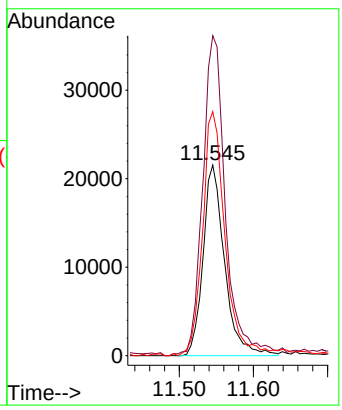




#35
Caprolactam
Concen: 8.722 ng
RT: 11.545 min Scan# 14
Delta R.T. -0.018 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:113 Resp: 4347

Ion	Ratio	Lower	Upper
113	100		
55	167.9	145.5	185.5
56	128.0	103.9	143.9



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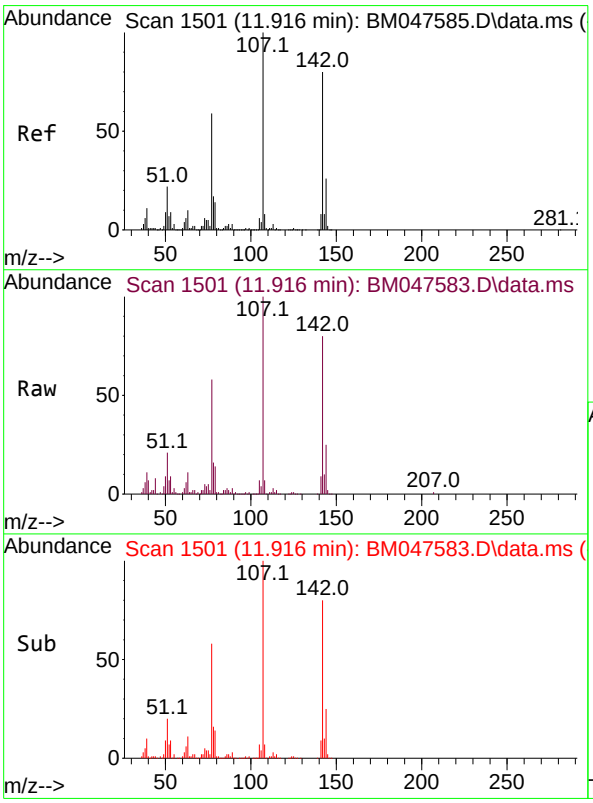
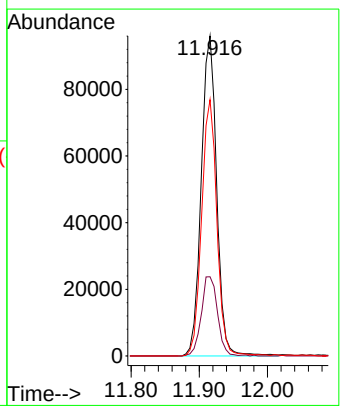
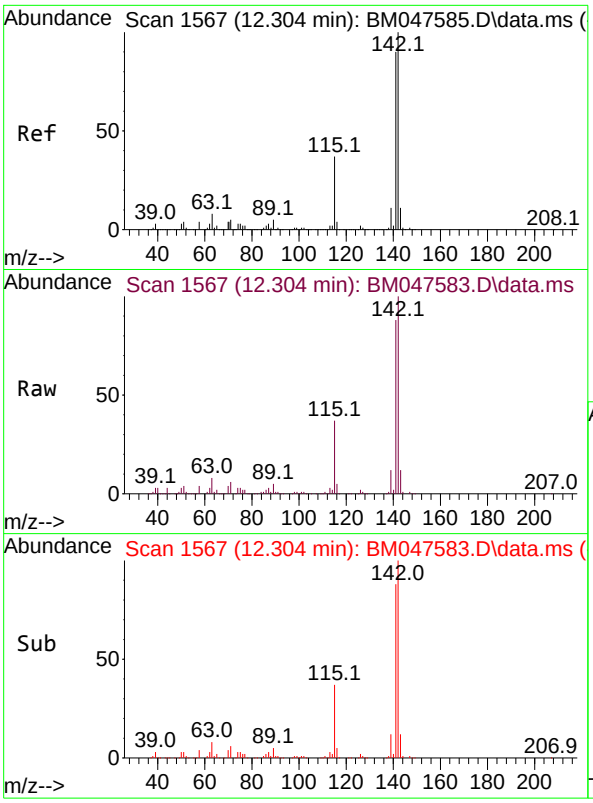


#36
4-Chloro-3-methylphenol
Concen: 9.199 ng
RT: 11.916 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:107 Resp: 151348

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.7	31.1
142	80.1	63.9	95.9

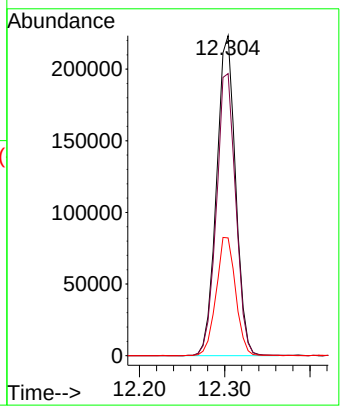




#37
2-Methylnaphthalene
Concen: 9.500 ng
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:142 Resp: 34638

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.7	107.5
115	36.8	29.5	44.3



Instrument :
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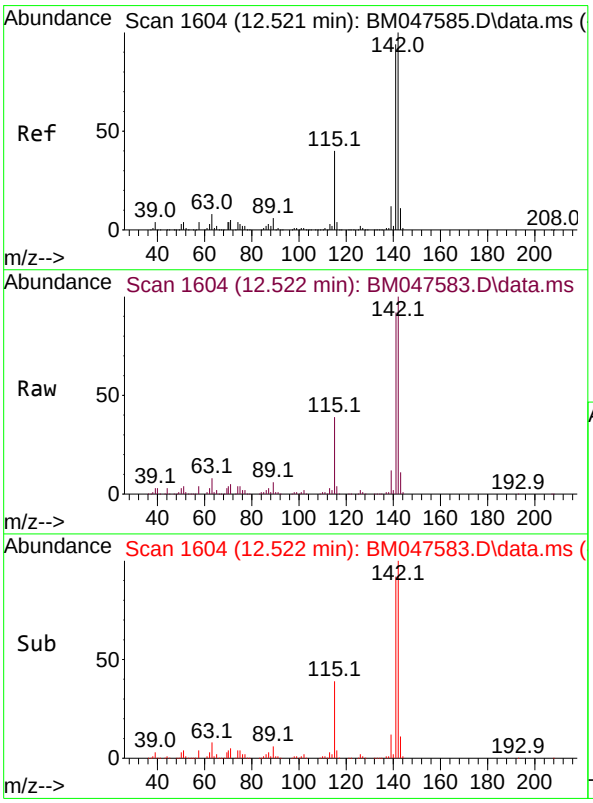
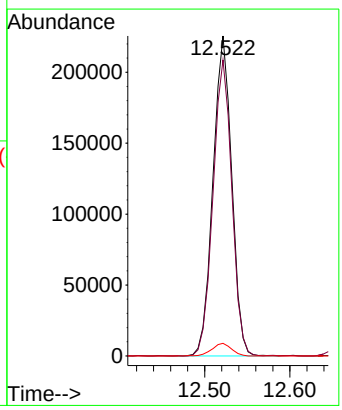
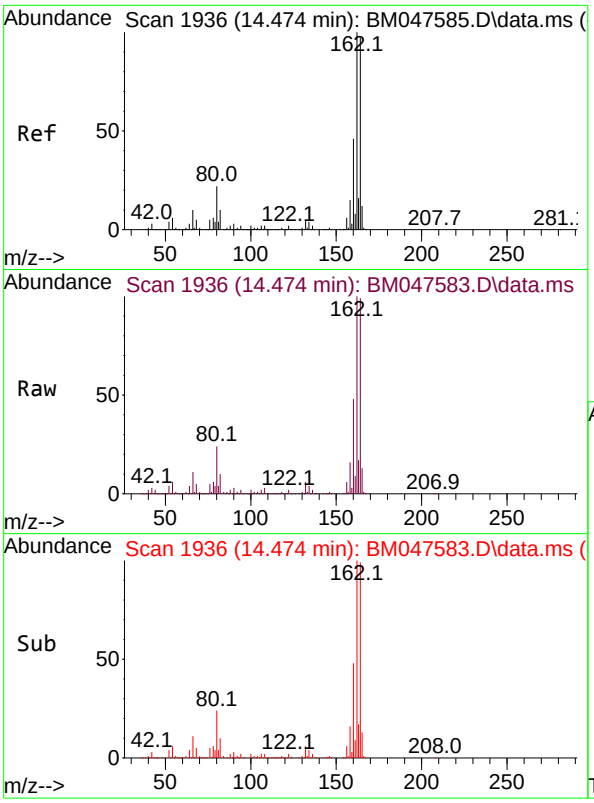


#38
1-Methylnaphthalene
Concen: 9.523 ng
RT: 12.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:142 Resp: 344445

Ion	Ratio	Lower	Upper
142	100		
141	92.5	75.3	112.9
116	4.0	3.0	4.4

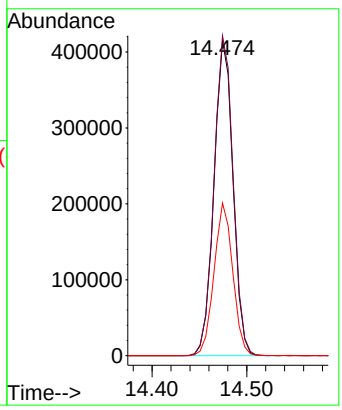




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:164 Resp: 57763

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	48.4	37.8	56.6



Instrument :
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ClientSampleId :
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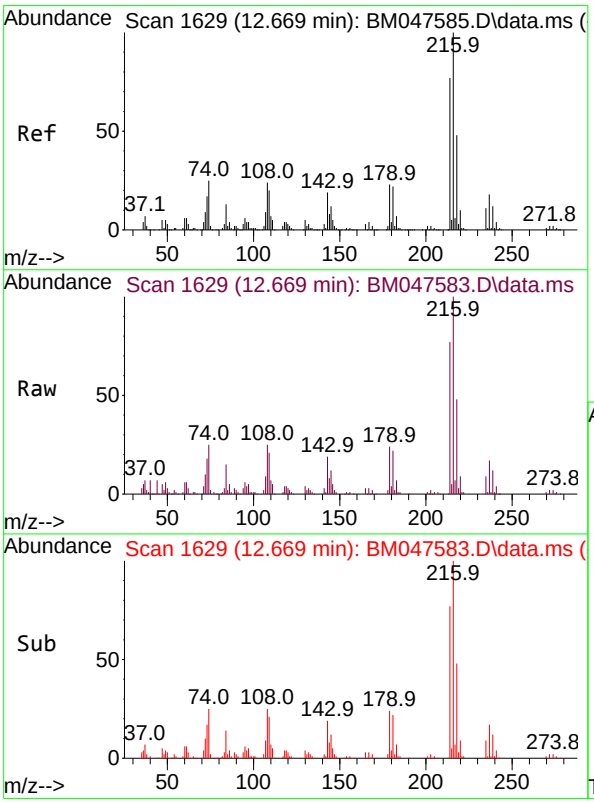
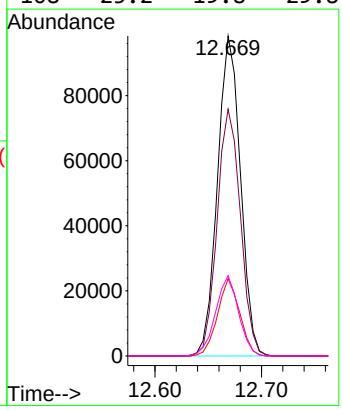
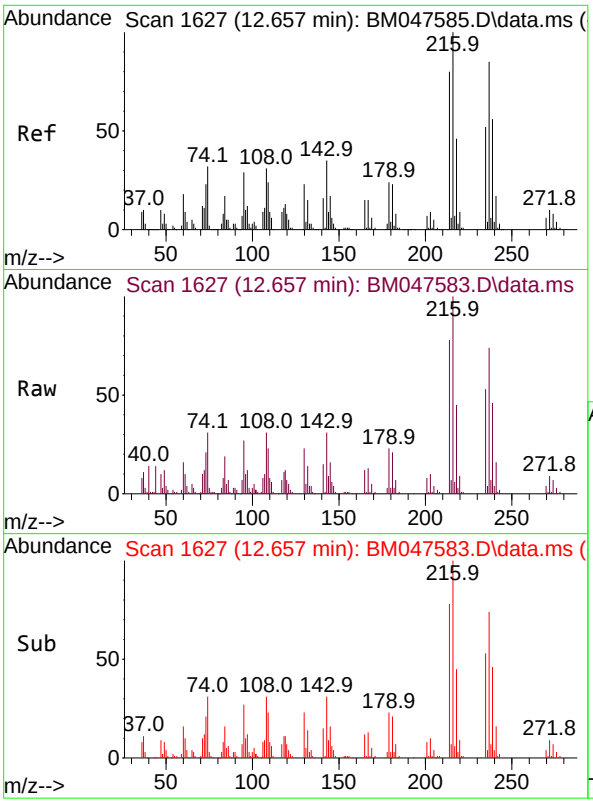


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.665 ng
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:216 Resp: 147331

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.8	94.2
179	23.2	18.5	27.7
108	25.2	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 9.403 ng
RT: 12.657 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 4732(

Ion	Ratio	Lower	Upper
237	100		
235	71.9	41.2	81.2
272	12.8	0.0	32.0

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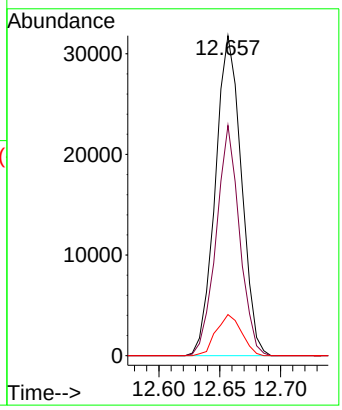
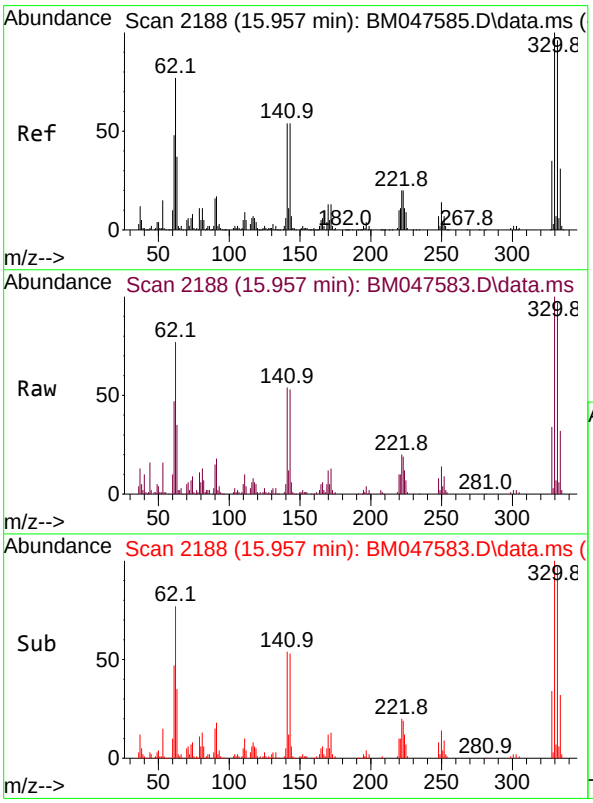
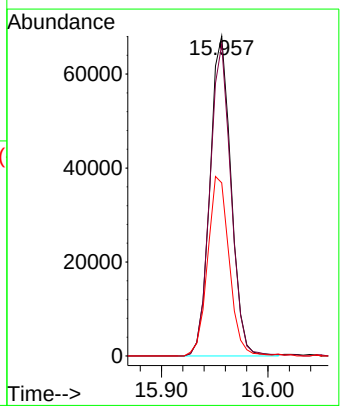


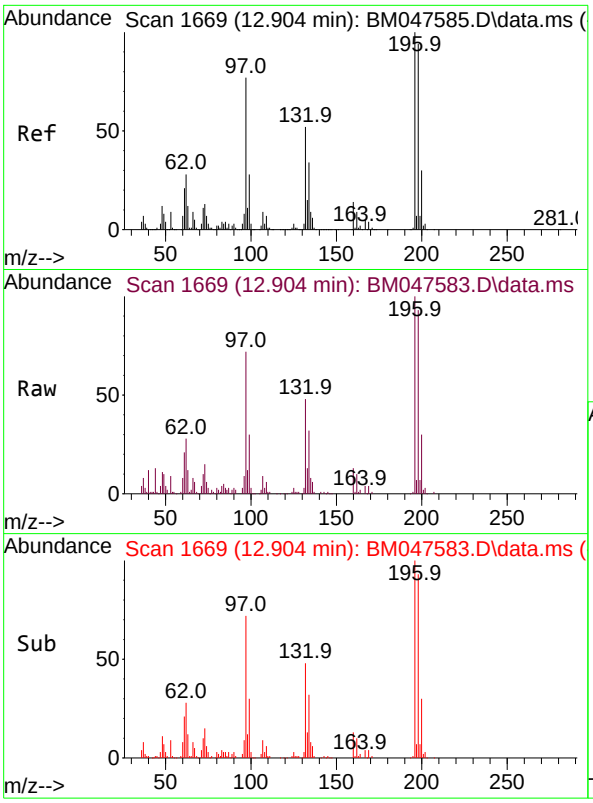


#42
2,4,6-Tribromophenol
Concen: 17.490 ng
RT: 15.957 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:330 Resp: 93547

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.4
141	57.3	45.9	68.9

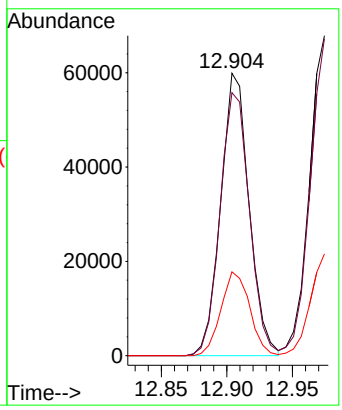




#43
2,4,6-Trichlorophenol
Concen: 9.112 ng
RT: 12.904 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:196 Resp: 9027

Ion	Ratio	Lower	Upper
196	100		
198	93.1	75.5	113.3
200	29.7	24.3	36.5



Instrument :
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ClientSampleId :
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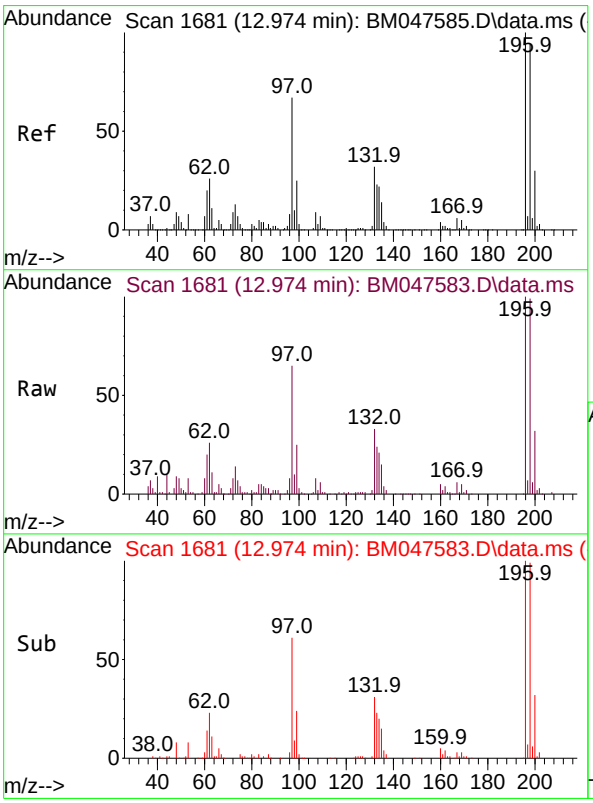
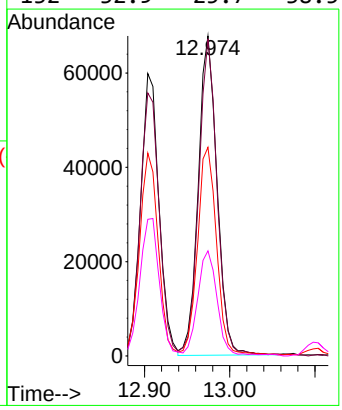
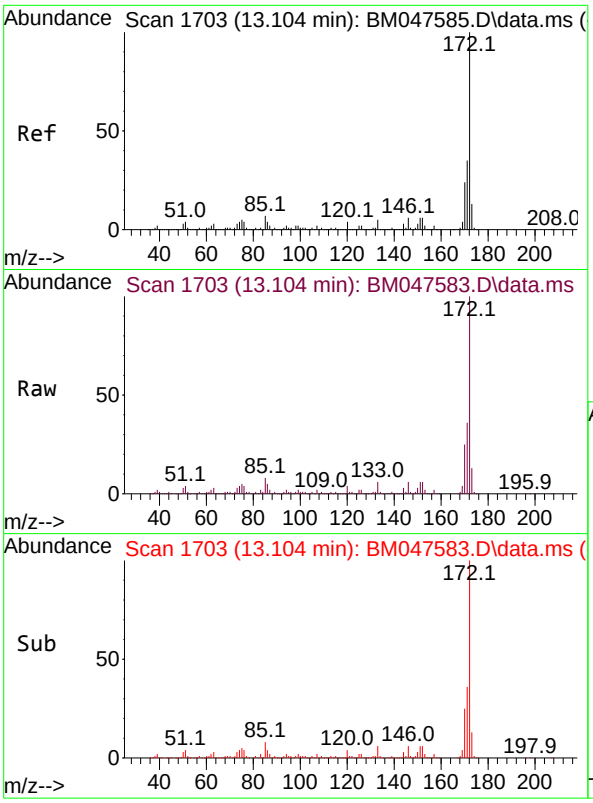


#44
2,4,5-Trichlorophenol
Concen: 9.322 ng
RT: 12.974 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:196 Resp: 103810

Ion	Ratio	Lower	Upper
196	100		
198	99.1	75.5	113.3
97	65.2	53.5	80.3
132	32.9	25.7	38.5

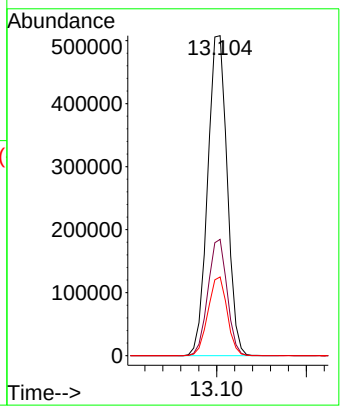




#45
2-Fluorobiphenyl
Concen: 18.745 ng
RT: 13.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:172 Resp: 76524

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.1	42.1
170	24.6	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
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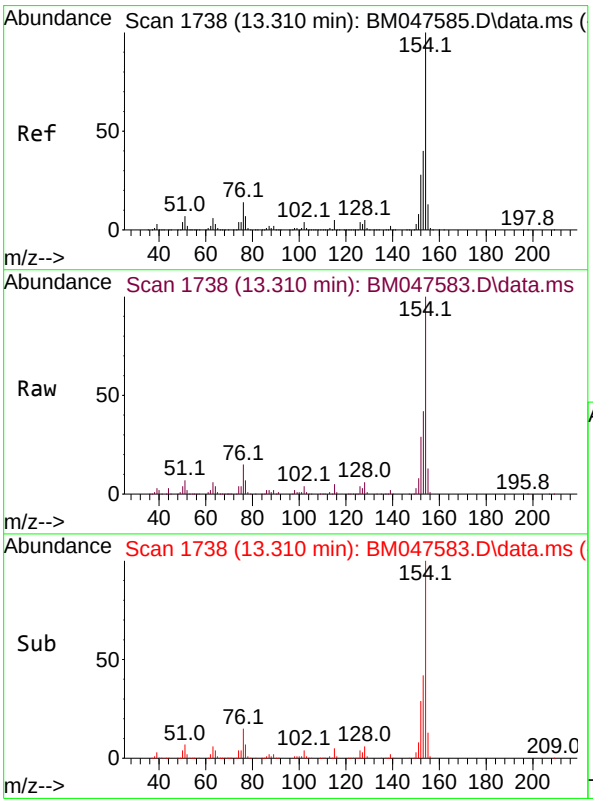
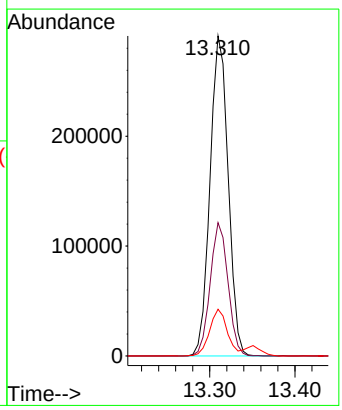
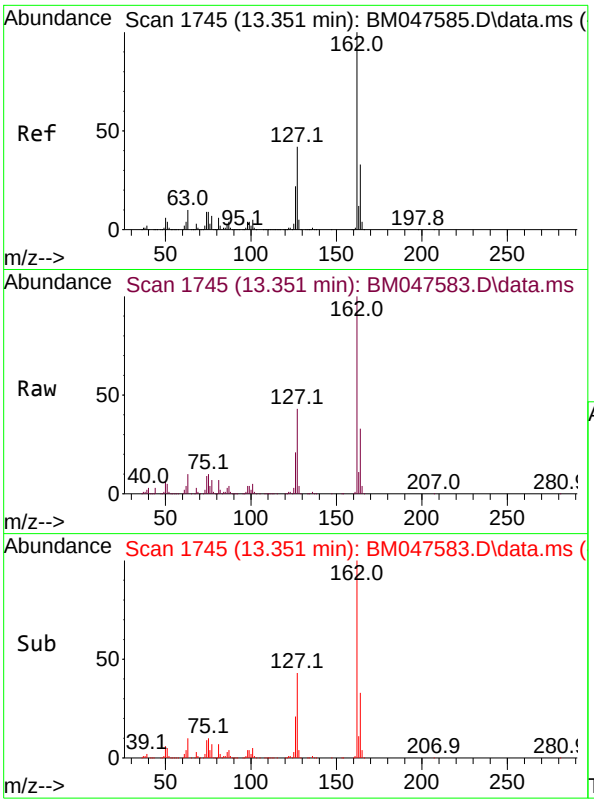


#46
1,1'-Biphenyl
Concen: 9.655 ng
RT: 13.310 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:154 Resp: 430726

Ion	Ratio	Lower	Upper
154	100		
153	41.7	19.9	59.9
76	14.6	0.0	34.5

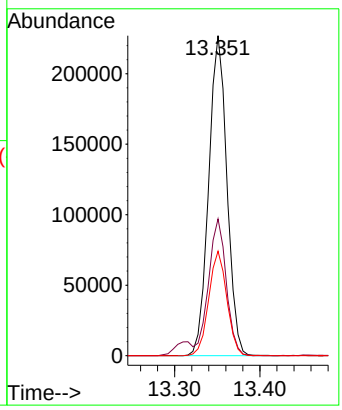




#47
2-Chloronaphthalene
Concen: 9.707 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:162 Resp: 33880

Ion	Ratio	Lower	Upper
162	100		
127	42.7	33.8	50.6
164	32.7	26.2	39.4



Instrument :
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ClientSampleId :
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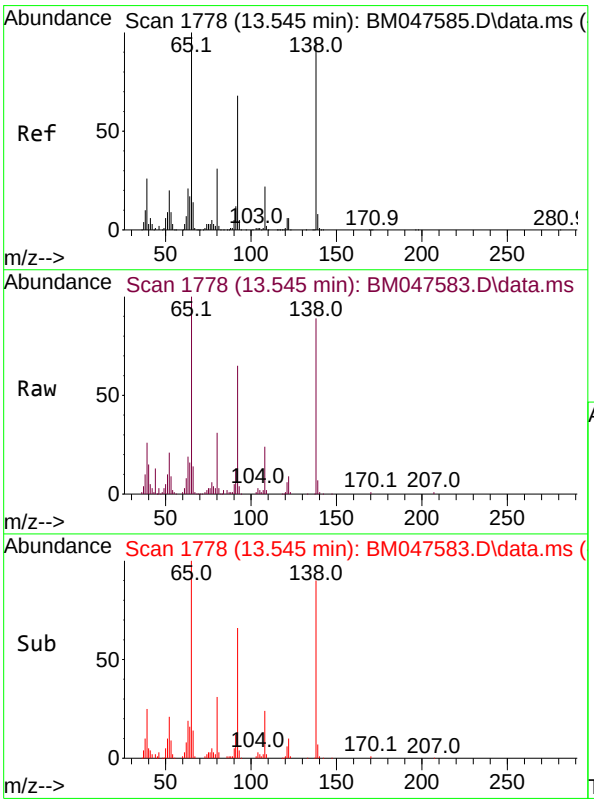
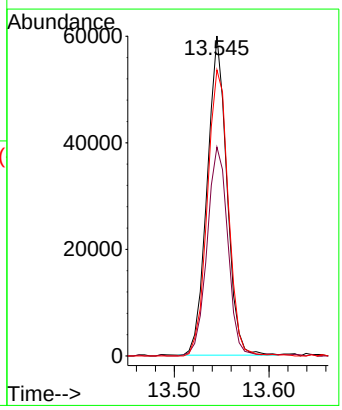
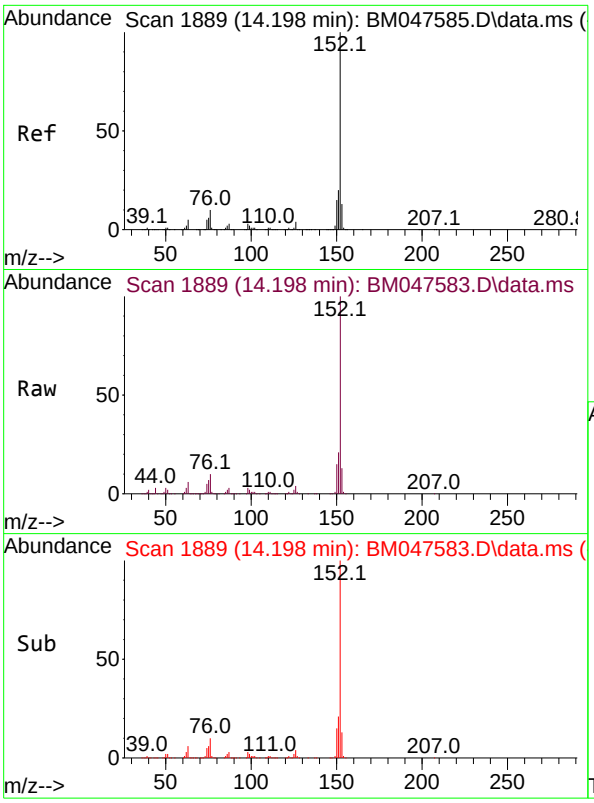


#48
2-Nitroaniline
Concen: 8.295 ng
RT: 13.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 65 Resp: 86478

Ion	Ratio	Lower	Upper
65	100		
92	65.3	54.2	81.4
138	89.4	76.6	114.8

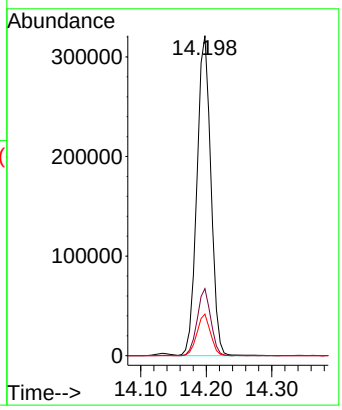




#49
Acenaphthylene
Concen: 9.500 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:152 Resp: 47716

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.2	24.2
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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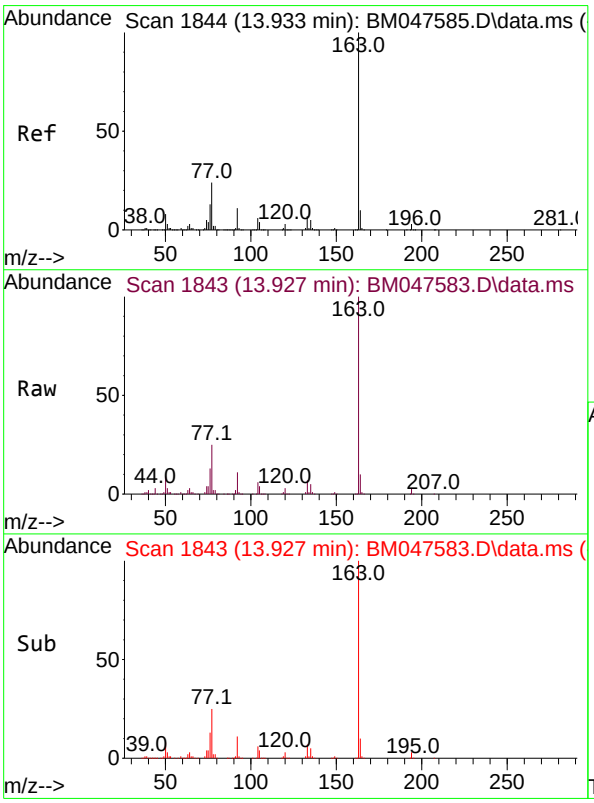
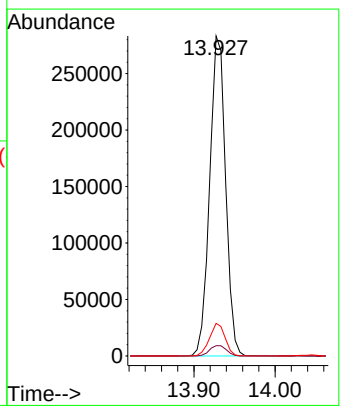
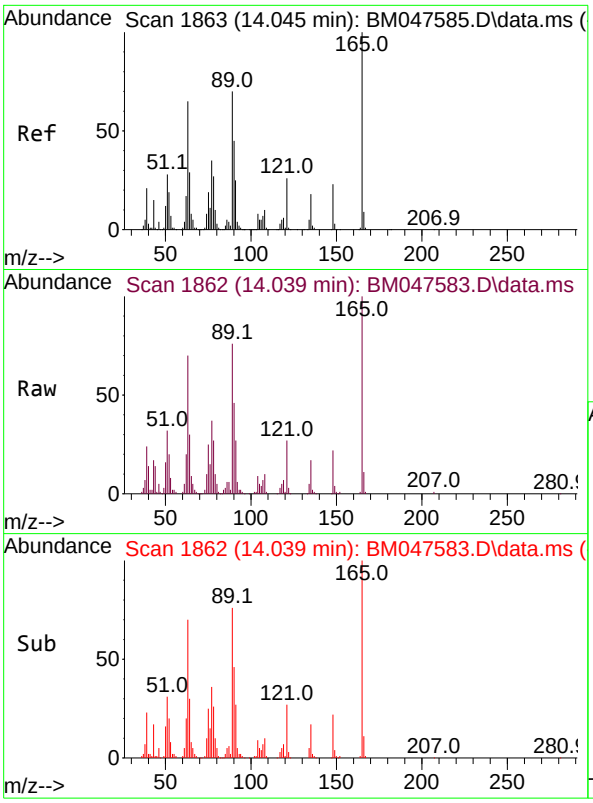


#50
Dimethylphthalate
Concen: 9.670 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:163 Resp: 385663

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.2	8.2	12.2

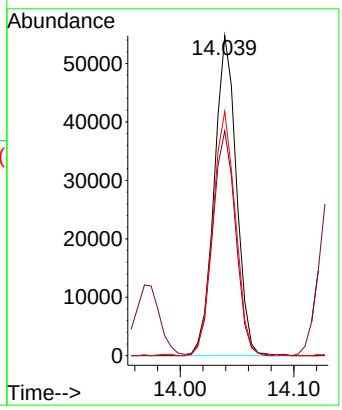




#51
2,6-Dinitrotoluene
Concen: 8.846 ng
RT: 14.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:165 Resp: 7391

Ion	Ratio	Lower	Upper
165	100		
63	70.2	53.0	79.6
89	76.4	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
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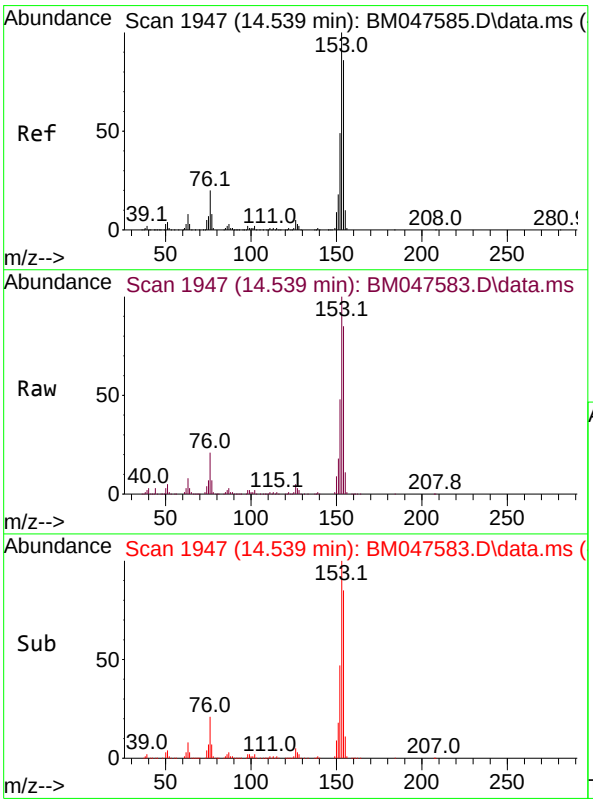
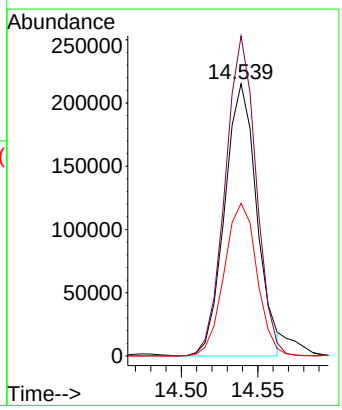
Supervised By :mohammad ahmed 09/24/2024

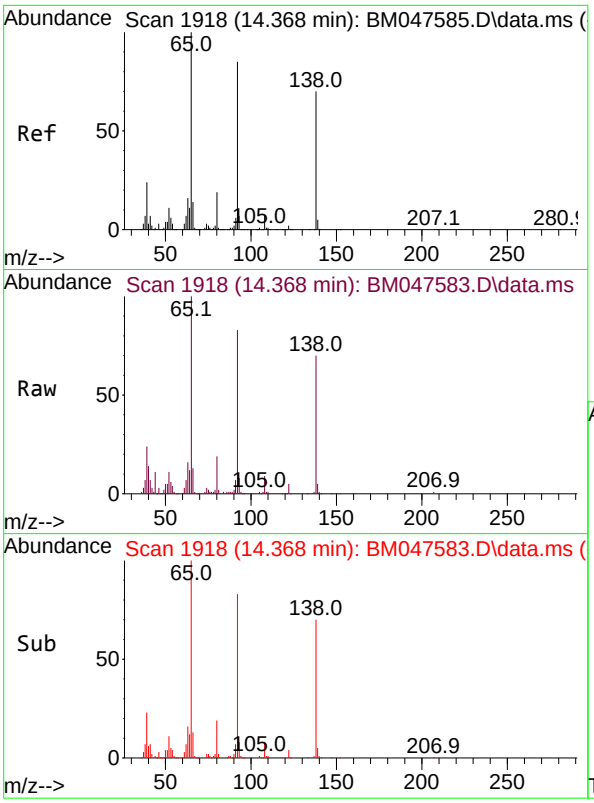


#52
Acenaphthene
Concen: 9.451 ng m
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:154 Resp: 313687

Ion	Ratio	Lower	Upper
154	100		
153	117.5	92.8	139.2
152	56.1	45.7	68.5





#53
3-Nitroaniline
Concen: 8.688 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:138 Resp: 8326

Ion	Ratio	Lower	Upper
138	100		
108	12.3	8.3	12.5
92	118.4	97.0	145.6

Instrument :
BNA_M
ClientSampleId :
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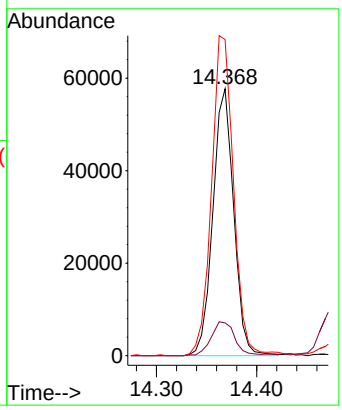
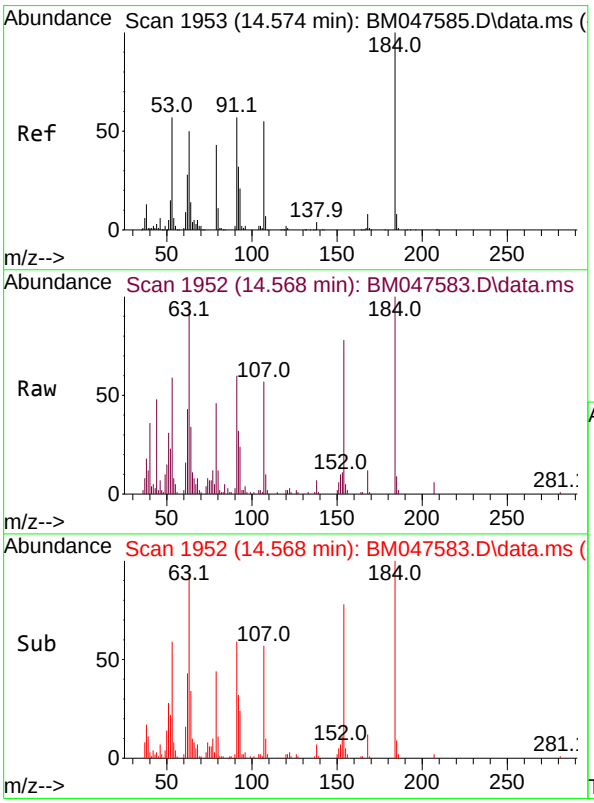
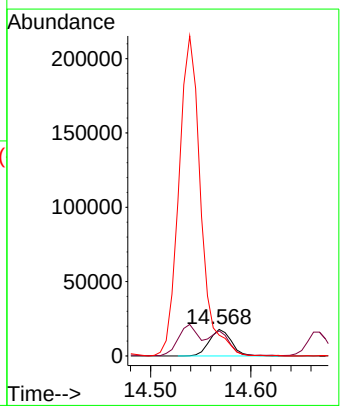


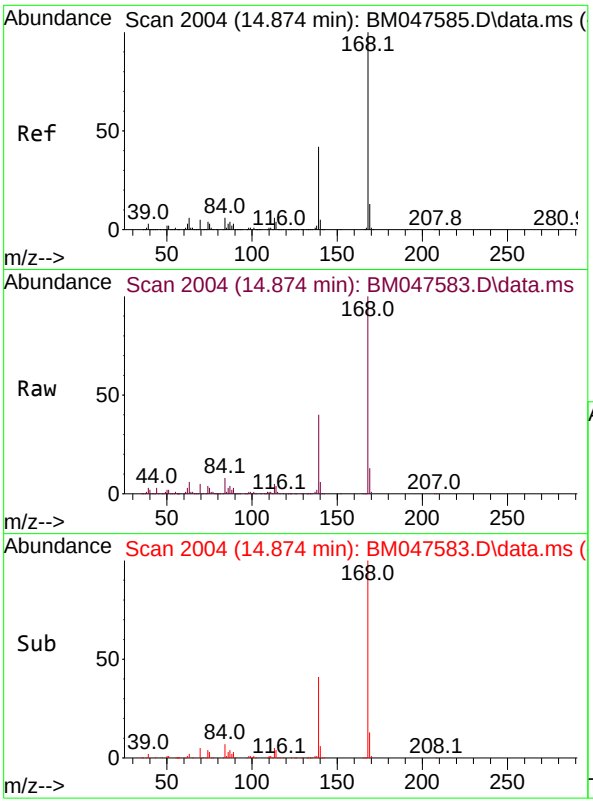


#54
2,4-Dinitrophenol
Concen: 7.188 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:184 Resp: 27227

Ion	Ratio	Lower	Upper
184	100		
63	94.3	69.0	103.6
154	78.4	59.7	89.5

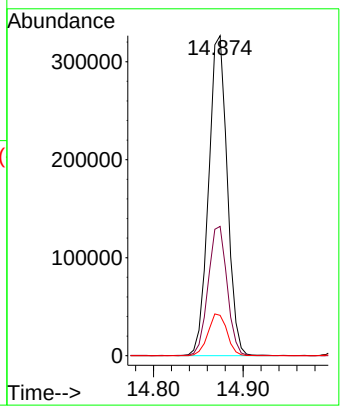




#55
Dibenzofuran
Concen: 9.706 ng
RT: 14.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:168 Resp: 47065

Ion	Ratio	Lower	Upper
168	100		
139	40.4	33.4	50.2
169	12.6	10.4	15.6



Instrument :
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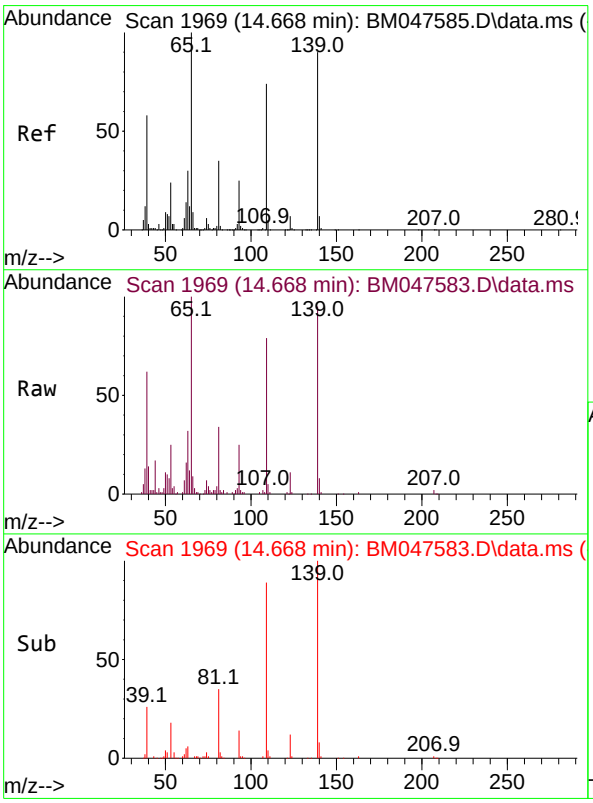
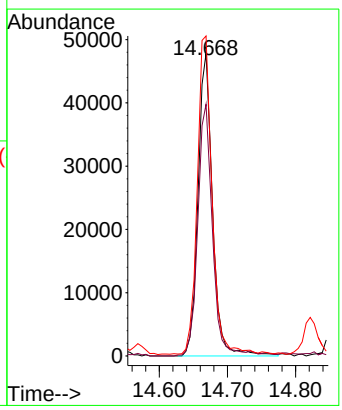
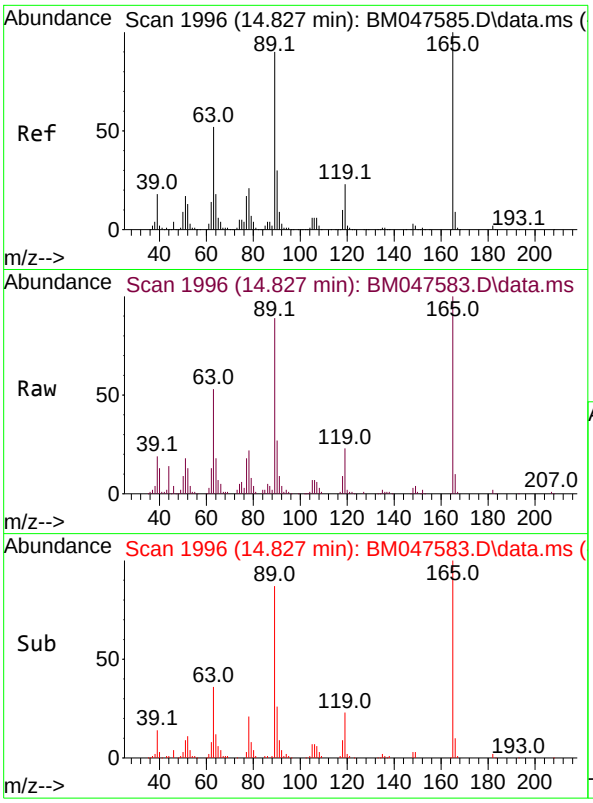


#56
4-Nitrophenol
Concen: 8.645 ng
RT: 14.668 min Scan# 1969
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:139 Resp: 70996

Ion	Ratio	Lower	Upper
139	100		
109	83.2	63.1	103.1
65	105.8	91.8	131.8

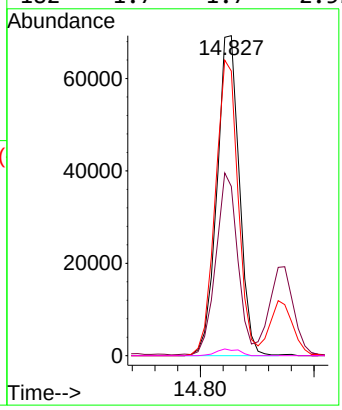




#57
2,4-Dinitrotoluene
Concen: 8.505 ng
RT: 14.827 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:165 Resp: 9470

Ion	Ratio	Lower	Upper
165	100		
63	52.9	41.6	62.4
89	89.0	71.7	107.5
182	1.7	1.7	2.5#



Instrument :
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ClientSampleId :
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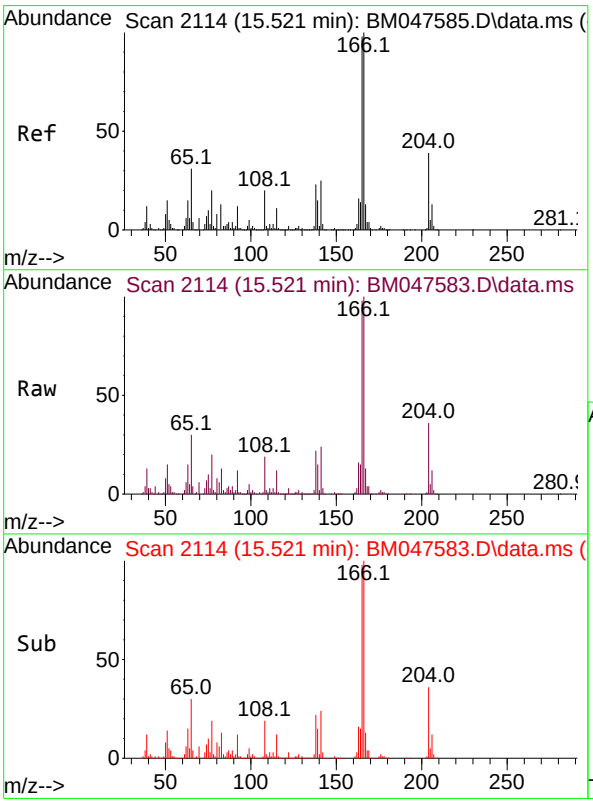
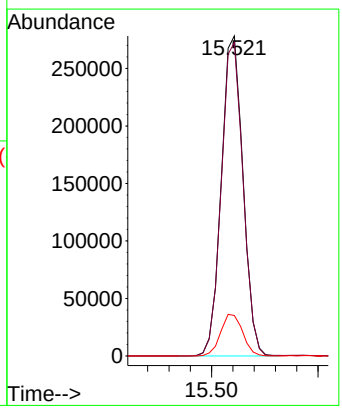
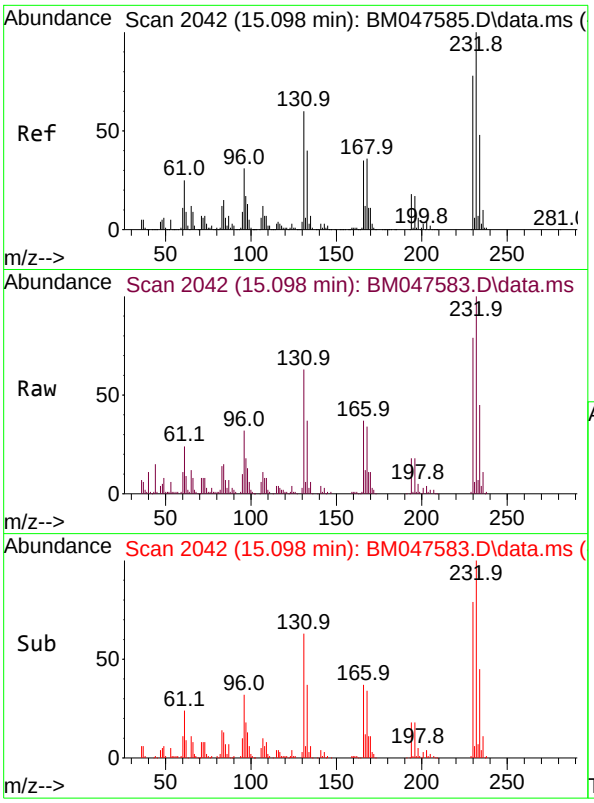


#58
Fluorene
Concen: 9.160 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:166 Resp: 393123

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.4	117.6
167	12.6	10.5	15.7

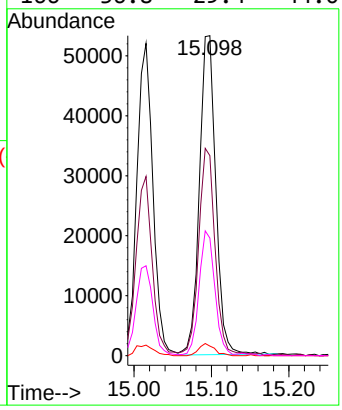




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.181 ng
RT: 15.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:232 Resp: 7814

Ion	Ratio	Lower	Upper
232	100		
131	65.9	50.3	75.5
130	3.7	3.0	4.4
166	36.8	29.4	44.0



Instrument :
BNA_M
ClientSampleId :
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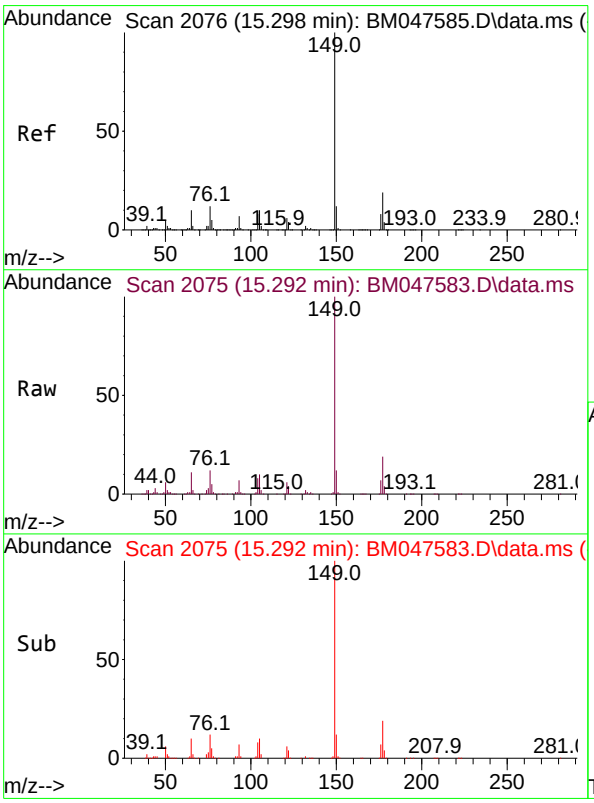
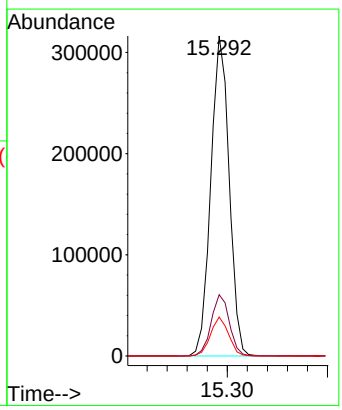
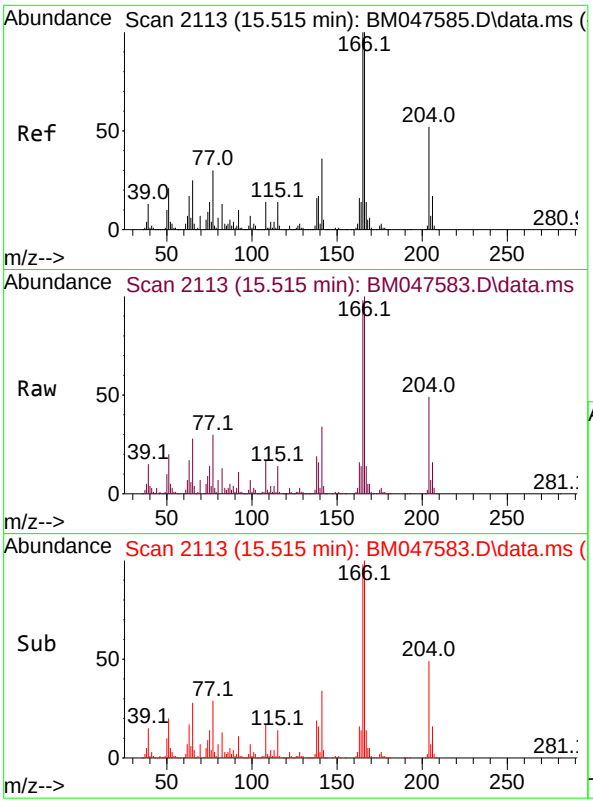


#60
Diethylphthalate
Concen: 9.451 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:149 Resp: 401849

Ion	Ratio	Lower	Upper
149	100		
177	19.1	15.4	23.0
150	12.2	9.4	14.0





#61
4-Chlorophenyl-phenylether
Concen: 9.054 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:204 Resp: 16978

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.2
141	68.7	55.3	82.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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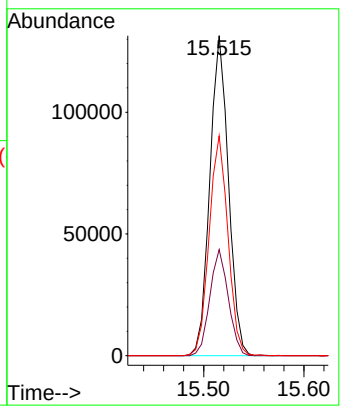
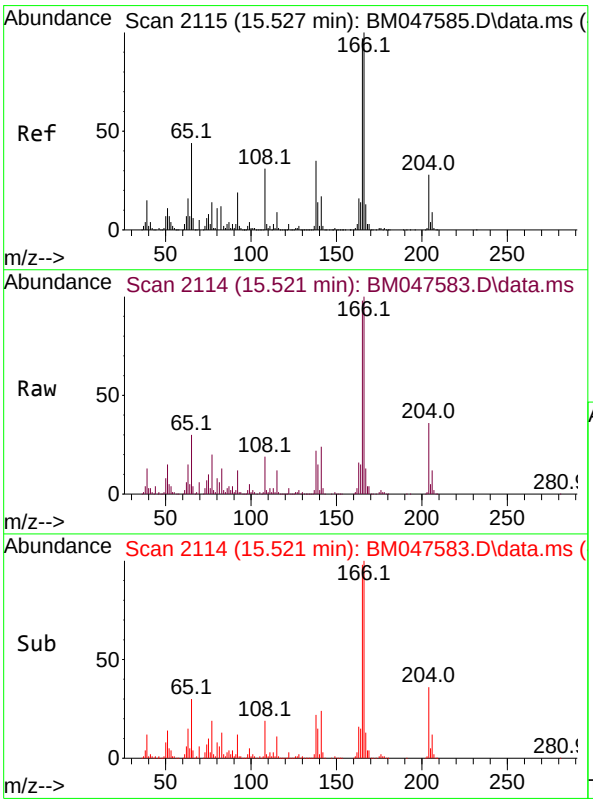
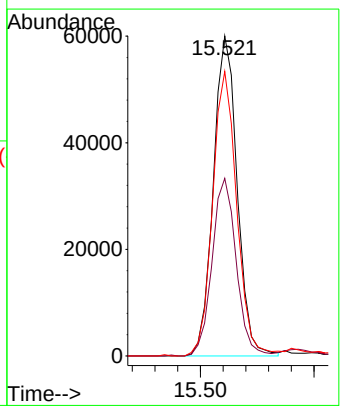


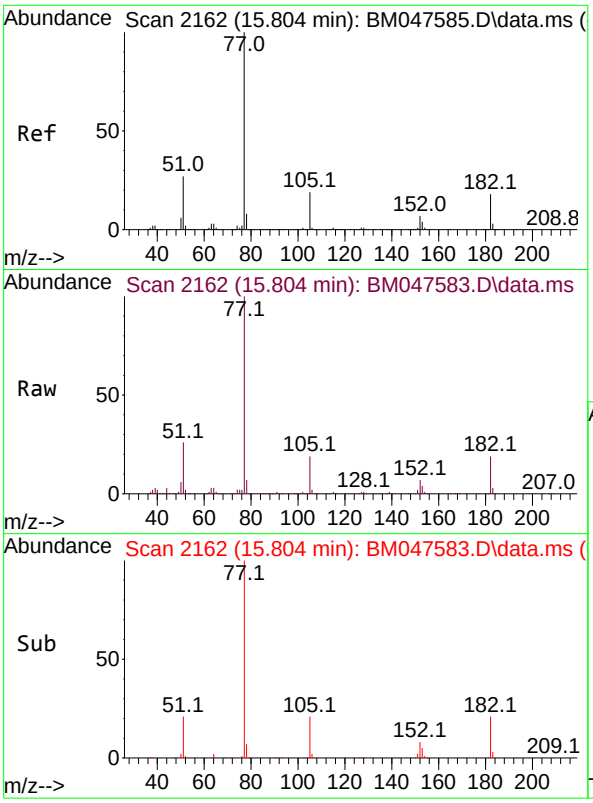


#62
4-Nitroaniline
Concen: 8.115 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:138 Resp: 87624

Ion	Ratio	Lower	Upper
138	100		
92	55.5	33.3	73.3
108	88.9	66.2	106.2

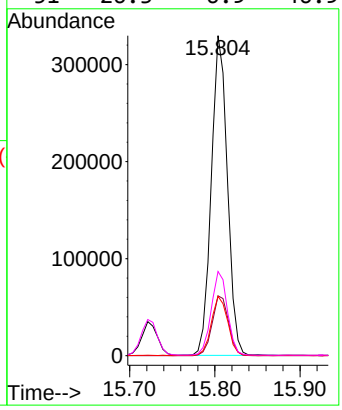




#63
Azobenzene
Concen: 9.311 ng
RT: 15.804 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion: 77 Resp: 43282

Ion	Ratio	Lower	Upper
77	100		
182	18.7	0.0	38.2
105	18.6	0.0	38.8
51	26.3	6.9	46.9



Instrument :
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ClientSampleId :
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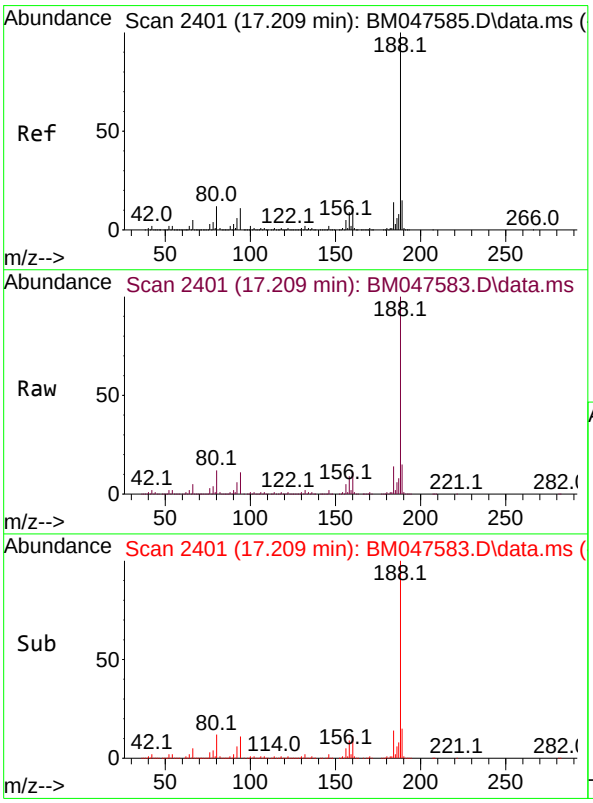
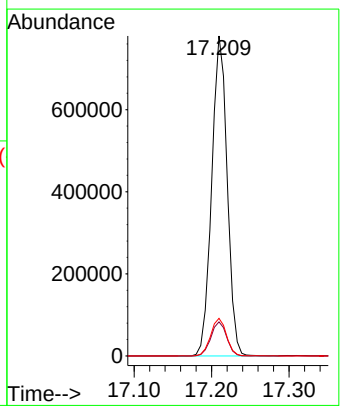
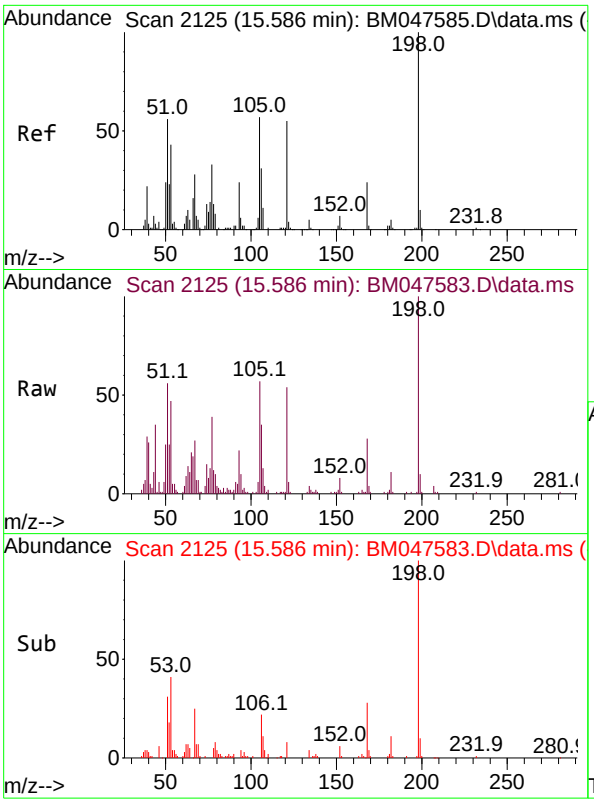


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:188 Resp: 1081339

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.6	13.0
80	11.8	9.9	14.9

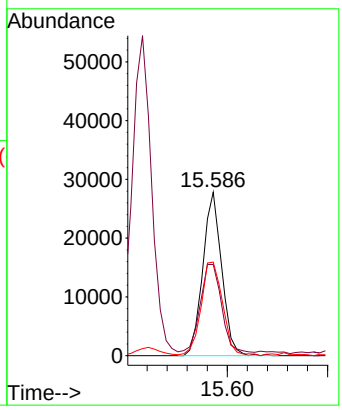




#65
4,6-Dinitro-2-methylphenol
Concen: 7.133 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:198 Resp: 3654

Ion	Ratio	Lower	Upper
198	100		
51	55.8	38.2	78.2
105	57.2	38.0	78.0



Instrument :
BNA_M
ClientSampleId :
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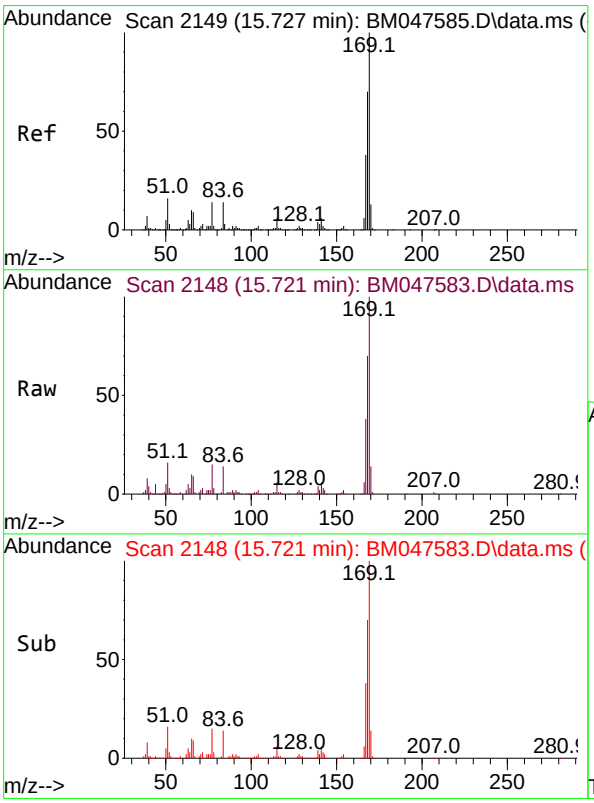
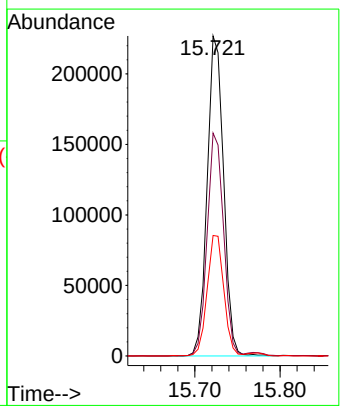
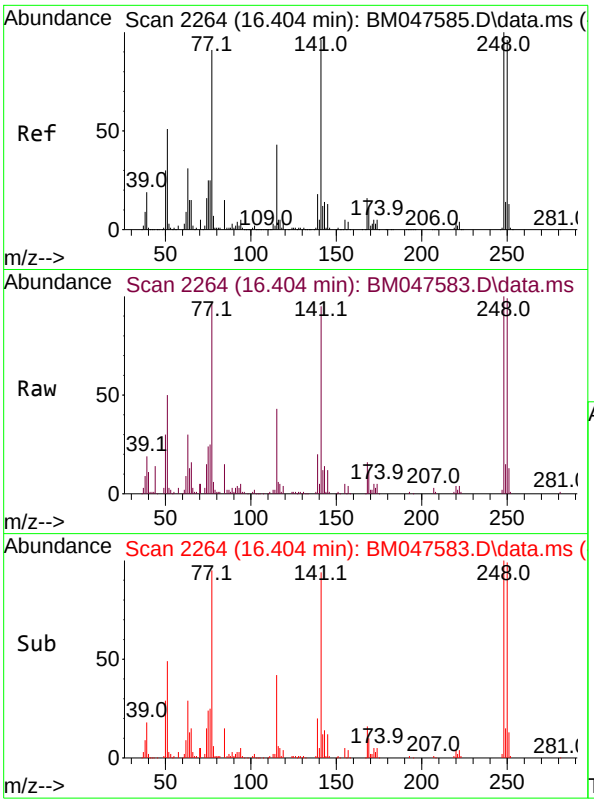


#66
n-Nitrosodiphenylamine
Concen: 9.402 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:169 Resp: 303645

Ion	Ratio	Lower	Upper
169	100		
168	69.6	55.8	83.8
167	37.7	30.7	46.1

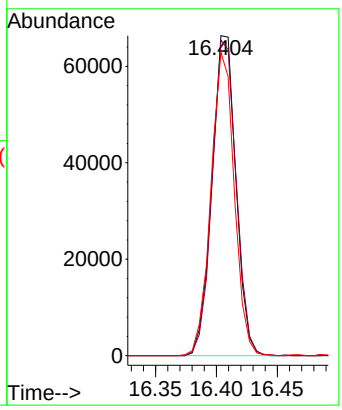




#67
4-Bromophenyl-phenylether
Concen: 9.234 ng
RT: 16.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:248 Resp: 9070

Ion	Ratio	Lower	Upper
248	100		
250	98.6	76.7	115.1
141	94.7	76.7	115.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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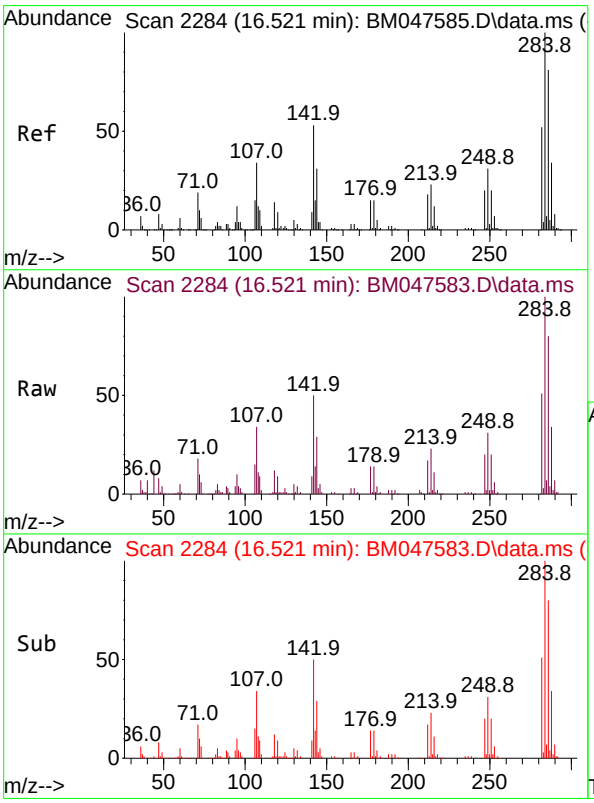
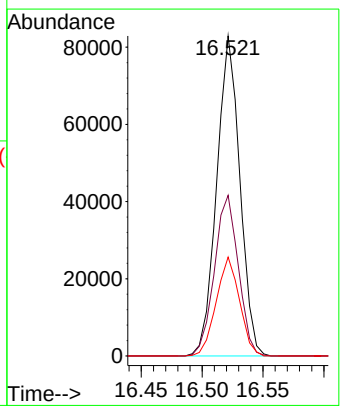
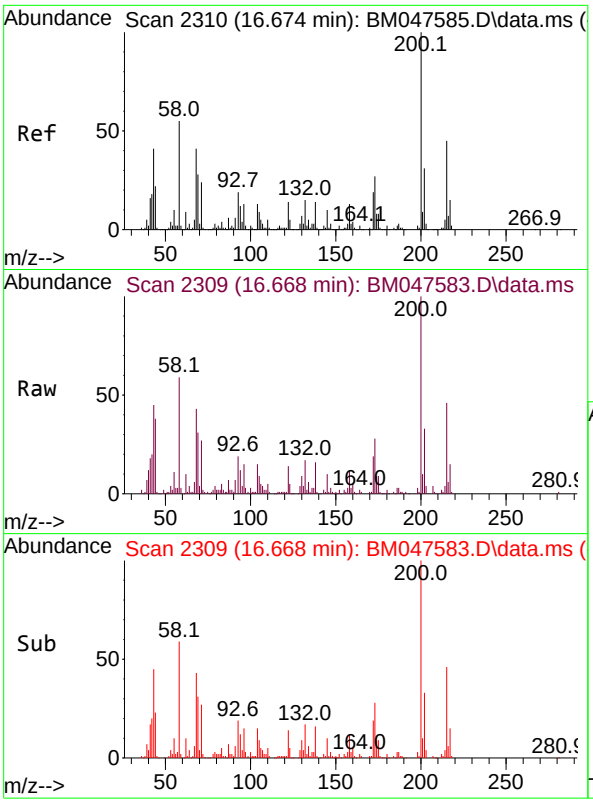


#68
Hexachlorobenzene
Concen: 9.564 ng
RT: 16.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:284 Resp: 109828

Ion	Ratio	Lower	Upper
284	100		
142	50.2	42.5	63.7
249	30.9	25.0	37.6

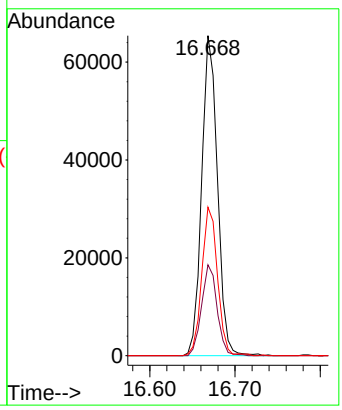




#69
Atrazine
Concen: 10.806 ng
RT: 16.668 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:200 Resp: 8401

Ion	Ratio	Lower	Upper
200	100		
173	28.4	7.4	47.4
215	46.4	24.5	64.5



Instrument :
BNA_M
ClientSampleId :
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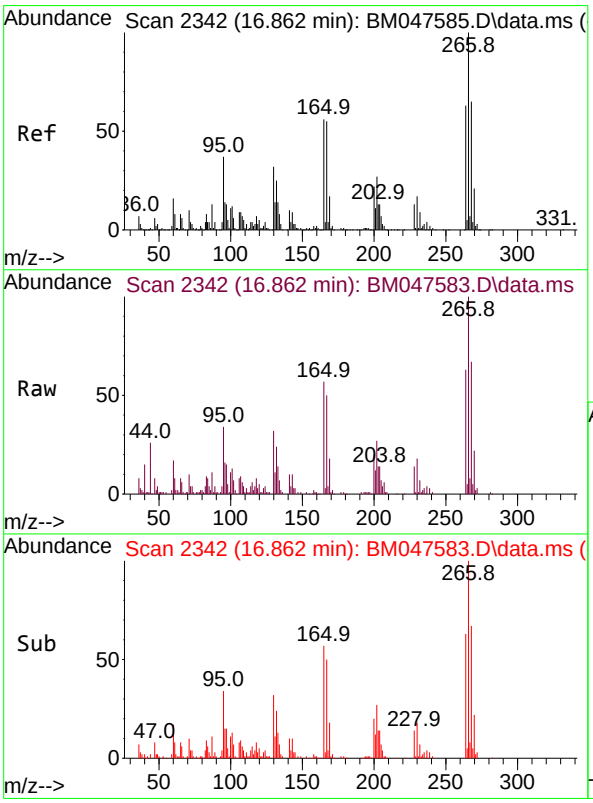
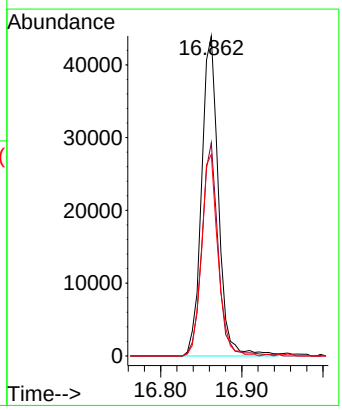
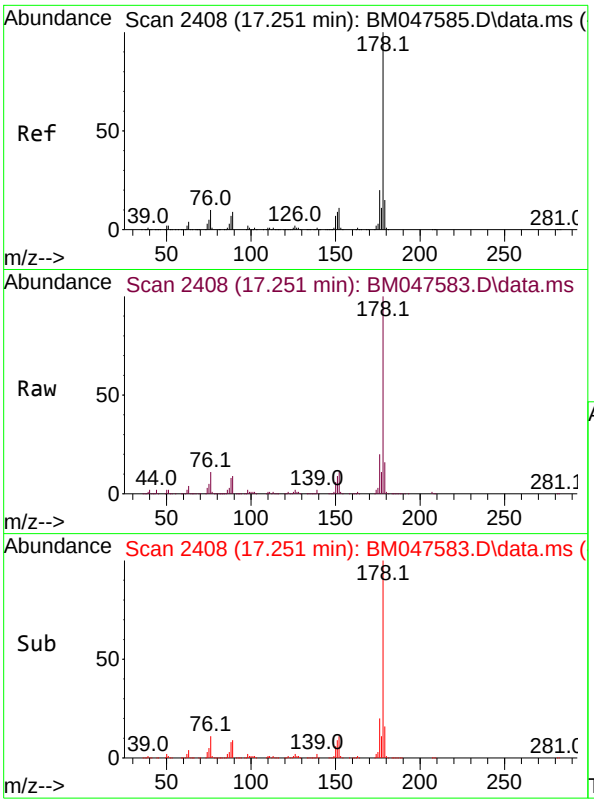


#70
Pentachlorophenol
Concen: 8.777 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:266 Resp: 63262

Ion	Ratio	Lower	Upper
266	100		
268	66.6	52.2	78.4
264	62.9	50.0	75.0

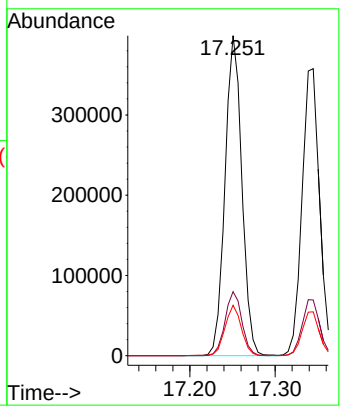




#71
Phenanthrene
Concen: 9.358 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:178 Resp: 54926

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.8	12.2	18.2



Instrument :
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ClientSampleId :
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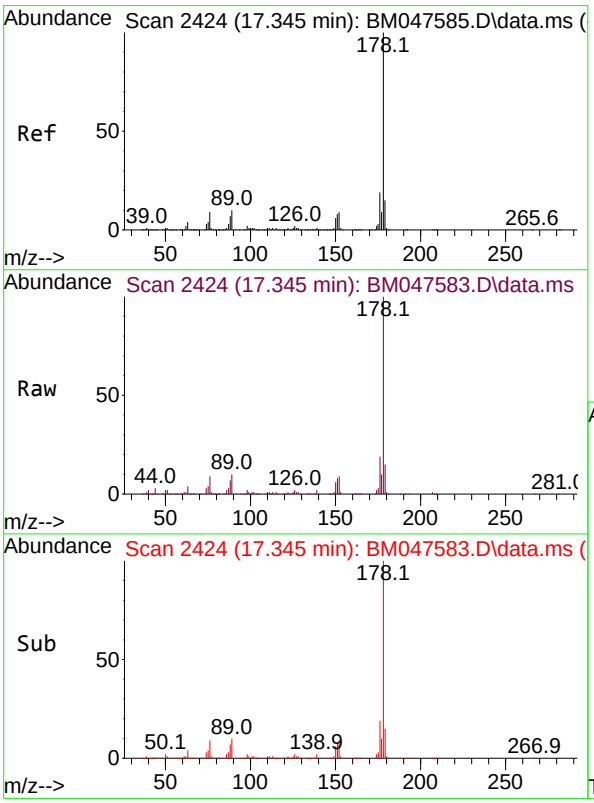
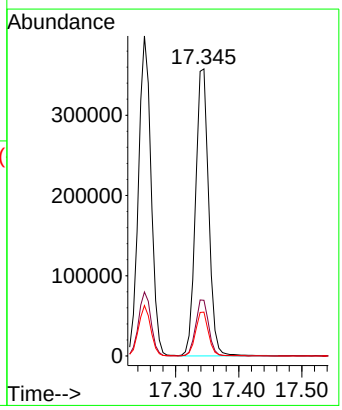
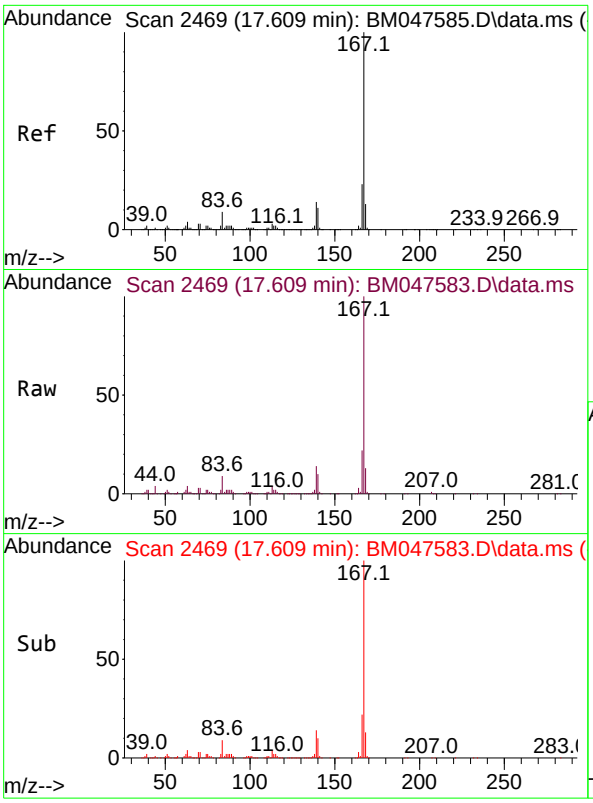


#72
Anthracene
Concen: 9.257 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:178 Resp: 514821

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.3	12.2	18.2

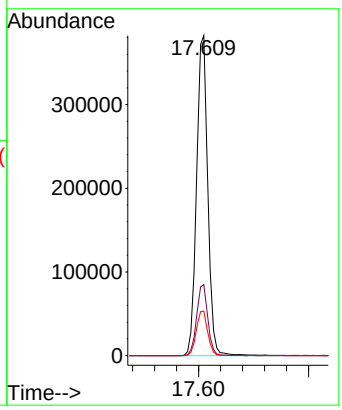




#73
Carbazole
Concen: 9.351 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:167 Resp: 54186

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	14.0	11.3	16.9



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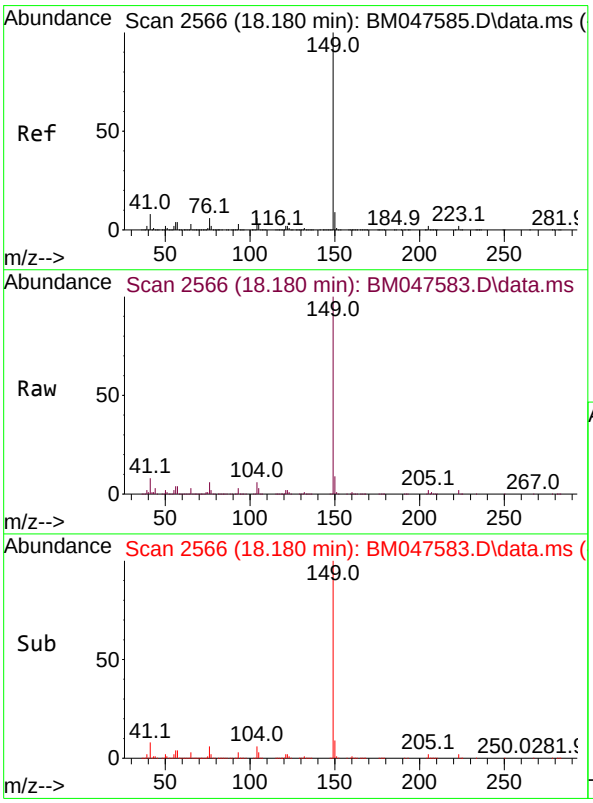
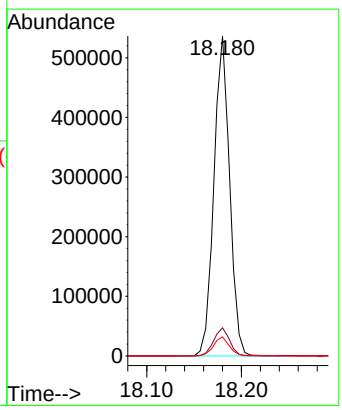
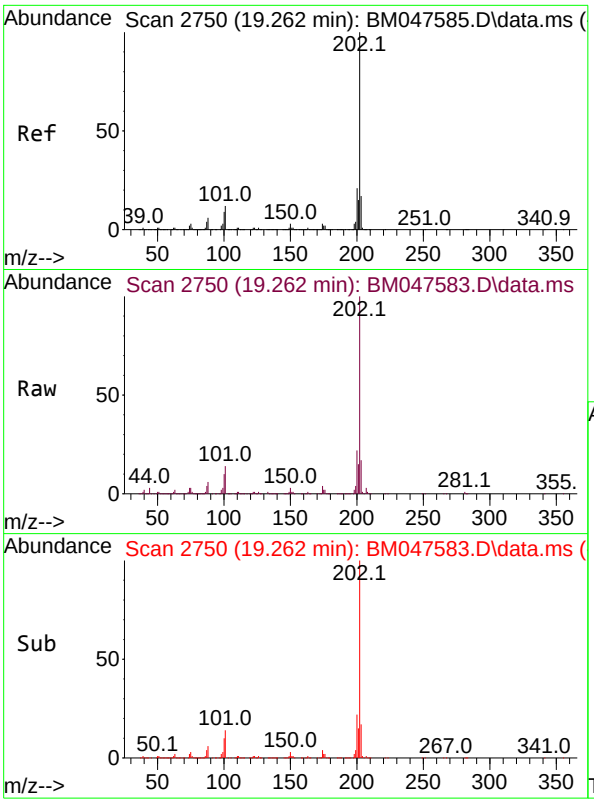


#74
Di-n-butylphthalate
Concen: 8.837 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:149 Resp: 619405

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	6.0	4.7	7.1

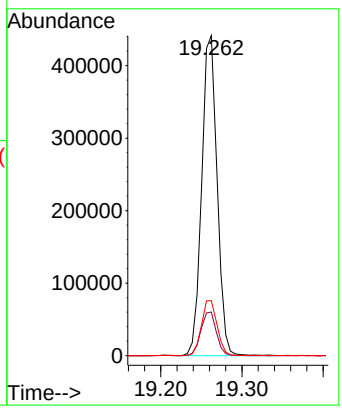




#75
Fluoranthene
Concen: 8.993 ng
RT: 19.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:202 Resp: 58107

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	32.2
203	17.2	0.0	37.4



Instrument :
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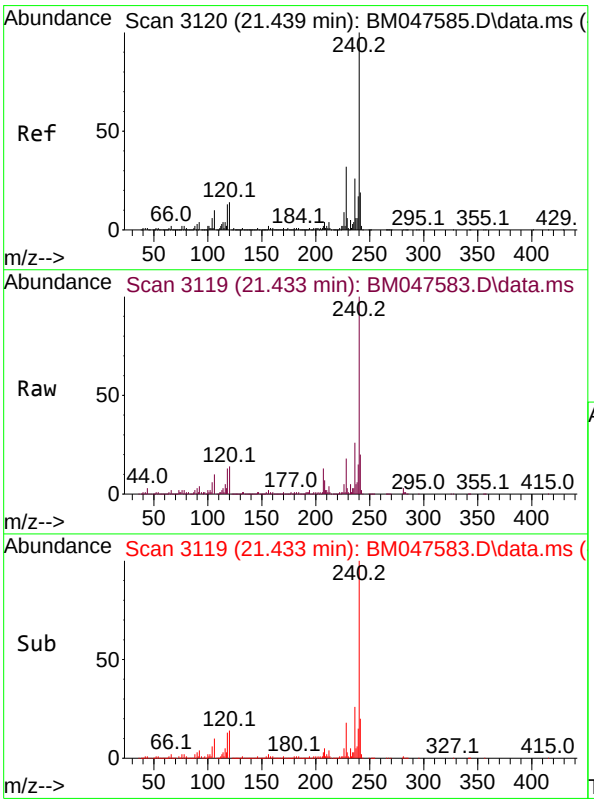
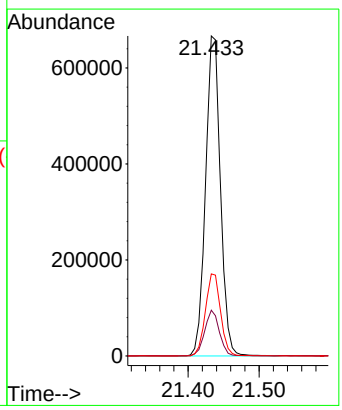
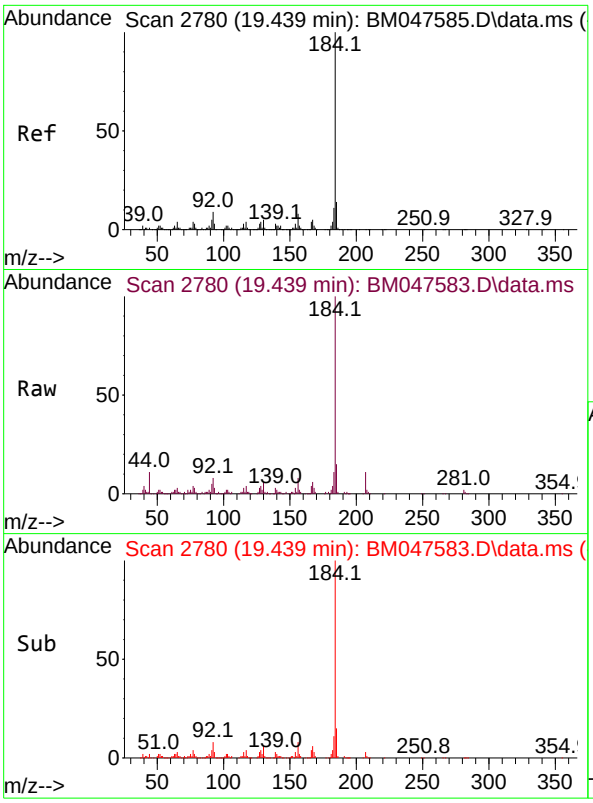


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:240 Resp: 972196

Ion	Ratio	Lower	Upper
240	100		
120	14.3	10.8	16.2
236	25.7	20.8	31.2

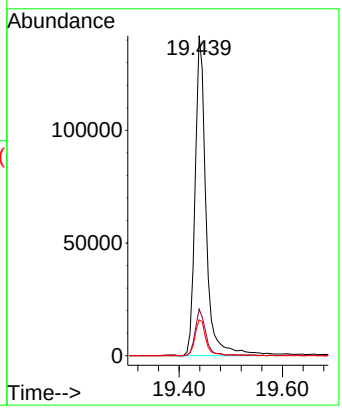




#77
Benzidine
Concen: 15.840 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:184 Resp: 20972

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.2	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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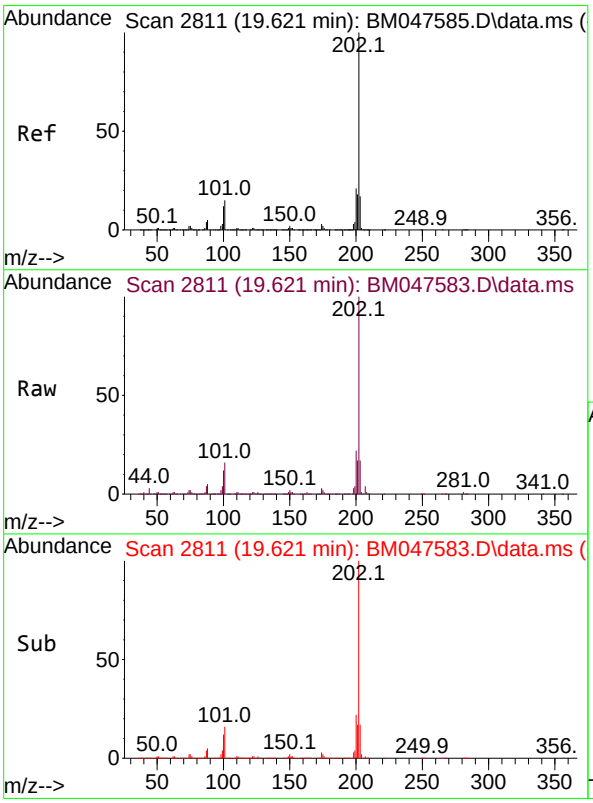
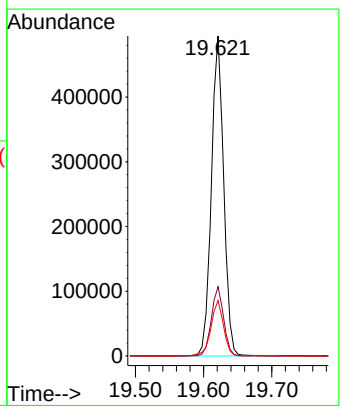
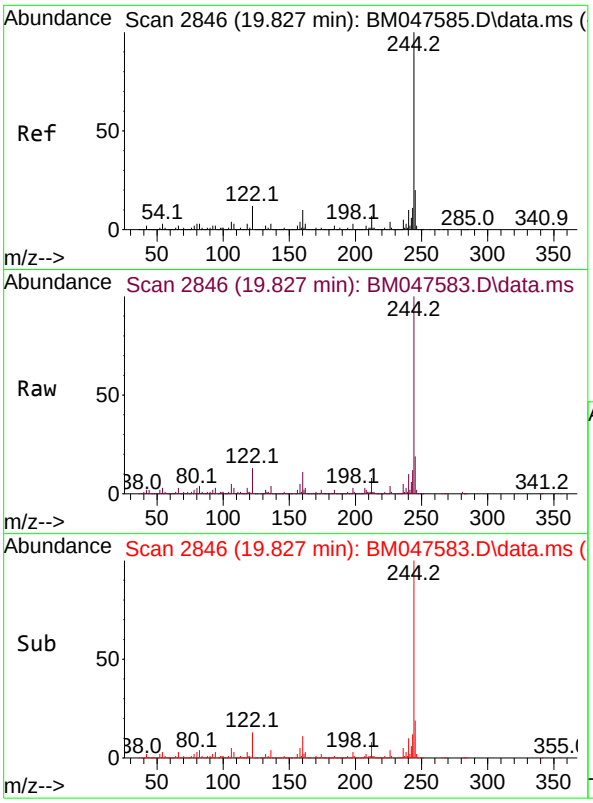


#78
Pyrene
Concen: 9.148 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:202 Resp: 622492

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.3	13.8	20.8

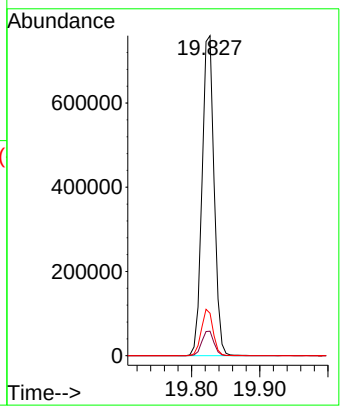




#79
Terphenyl-d14
Concen: 17.251 ng
RT: 19.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:244 Resp: 93471

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	13.2	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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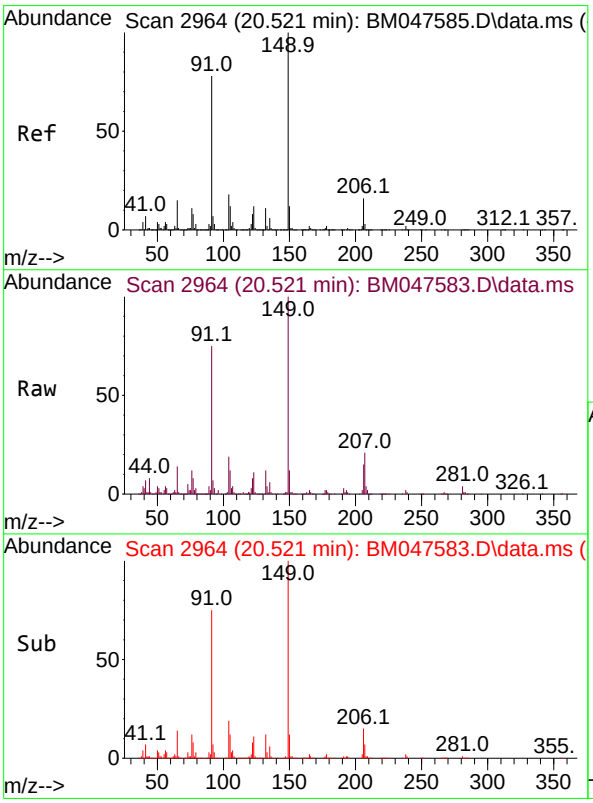
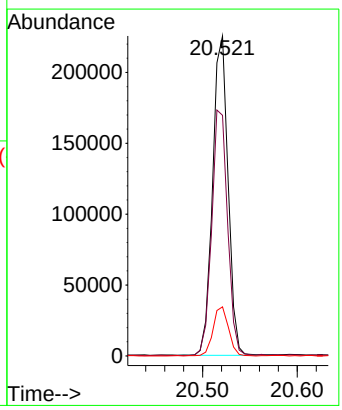
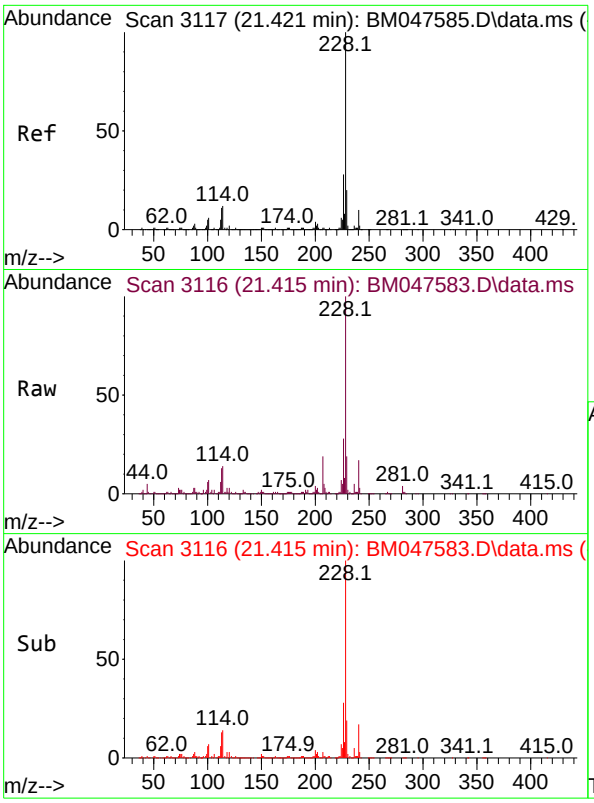


#80
Butylbenzylphthalate
Concen: 8.615 ng
RT: 20.521 min Scan# 2964
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:149 Resp: 255197

Ion	Ratio	Lower	Upper
149	100		
91	75.2	62.3	93.5
206	15.3	13.0	19.6

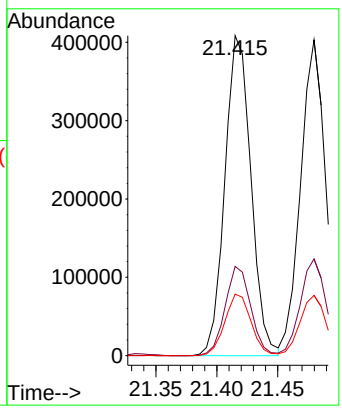




#81
Benzo(a)anthracene
Concen: 9.543 ng
RT: 21.415 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:228 Resp: 61002

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	19.3	16.0	24.0



Instrument :
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ClientSampleId :
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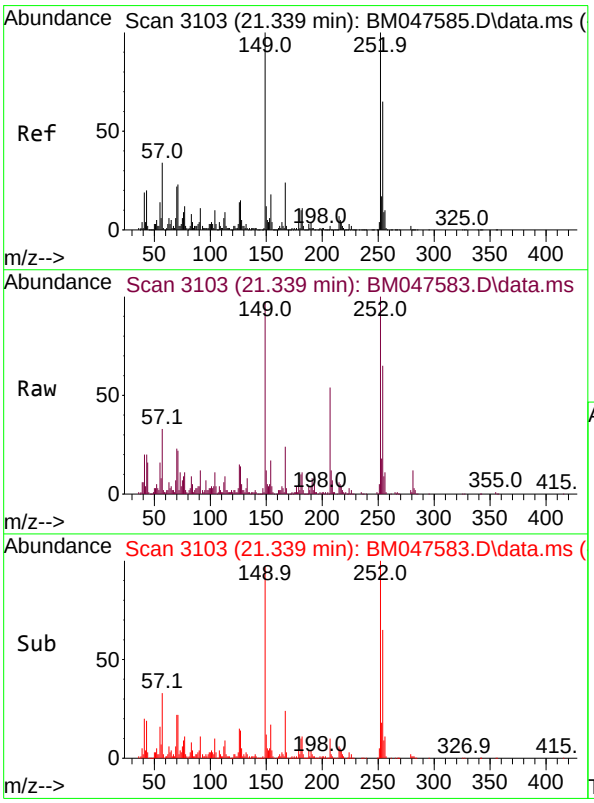
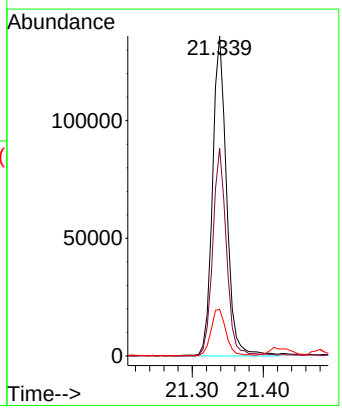
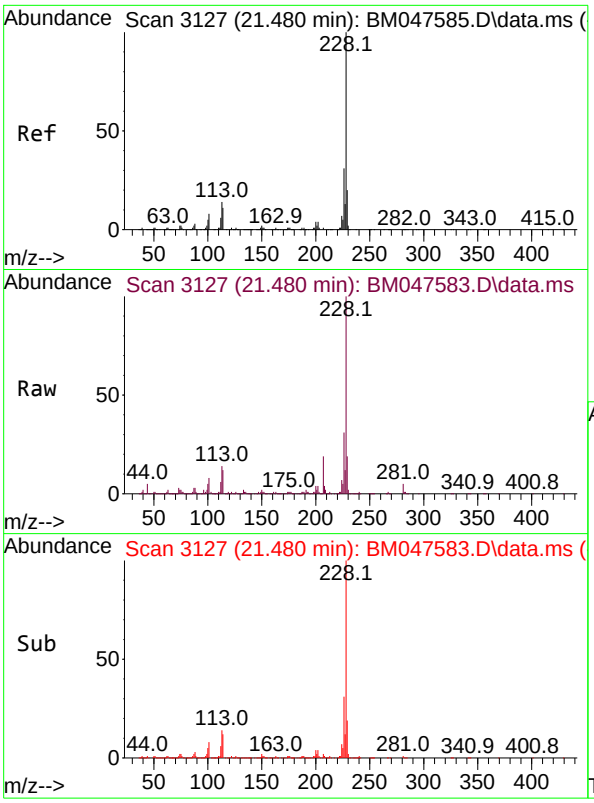


#82
3,3'-Dichlorobenzidine
Concen: 9.445 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:252 Resp: 187500

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.3	78.5
126	14.6	11.4	17.0





#83
Chrysene
Concen: 9.546 ng
RT: 21.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:228 Resp: 58035

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	19.1	15.8	23.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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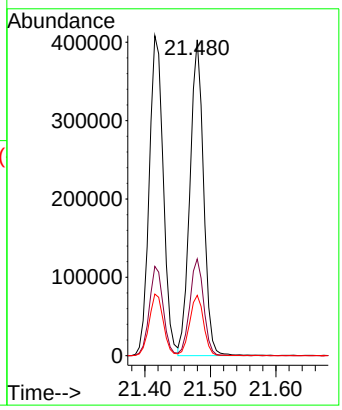
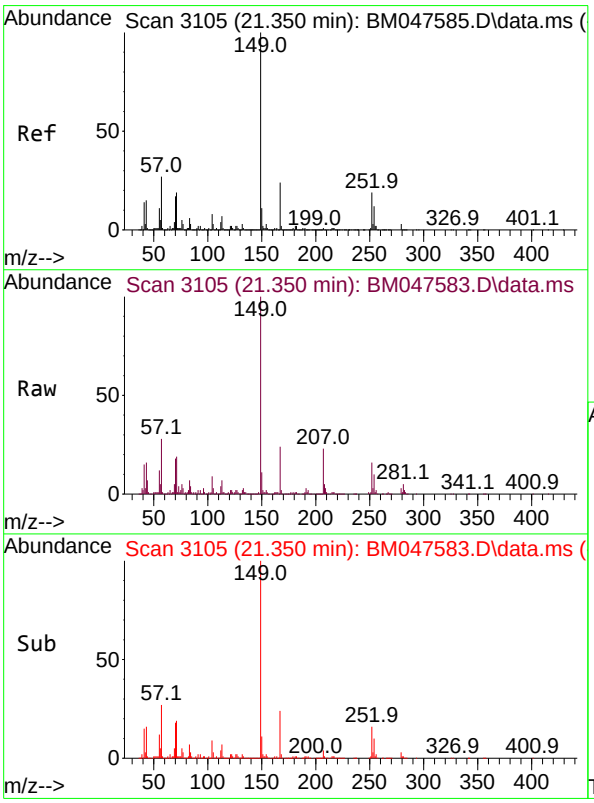
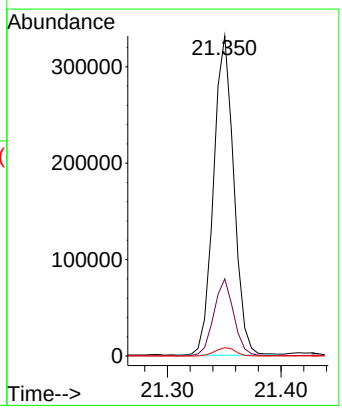


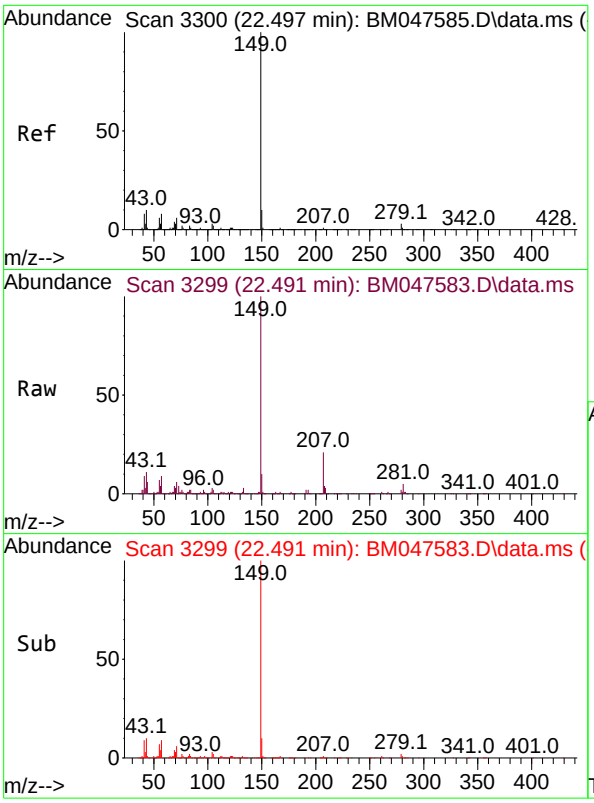


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.665 ng
RT: 21.350 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:149 Resp: 410534

Ion	Ratio	Lower	Upper
149	100		
167	24.1	19.5	29.3
279	2.6	2.3	3.5

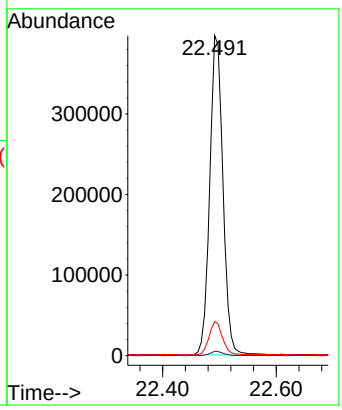




#85
Di-n-octyl phthalate
Concen: 8.704 ng
RT: 22.491 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:149 Resp: 63638

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.6	8.2	12.2



Instrument :
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ClientSampleId :
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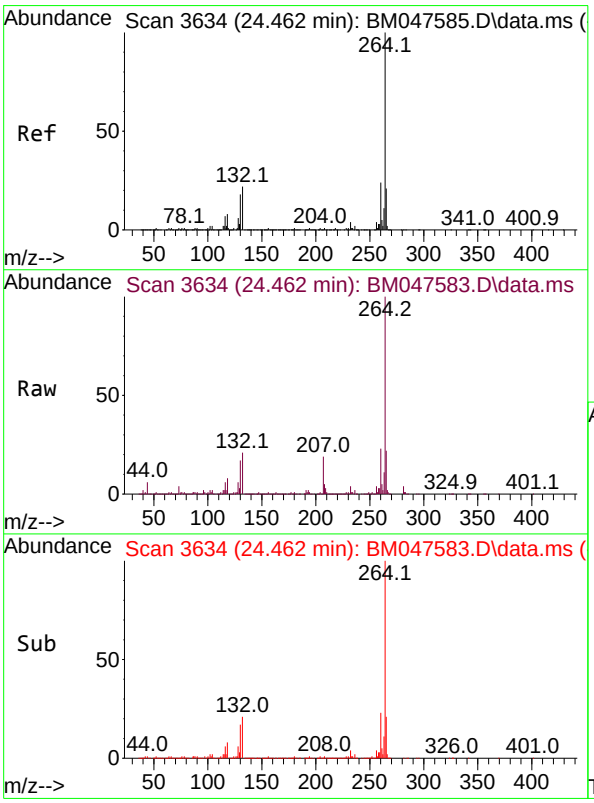
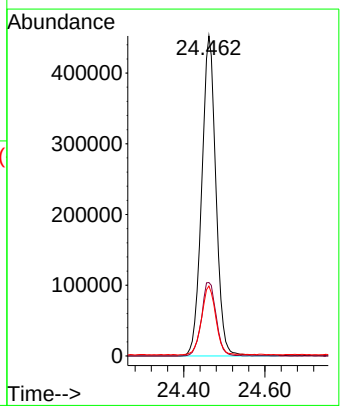
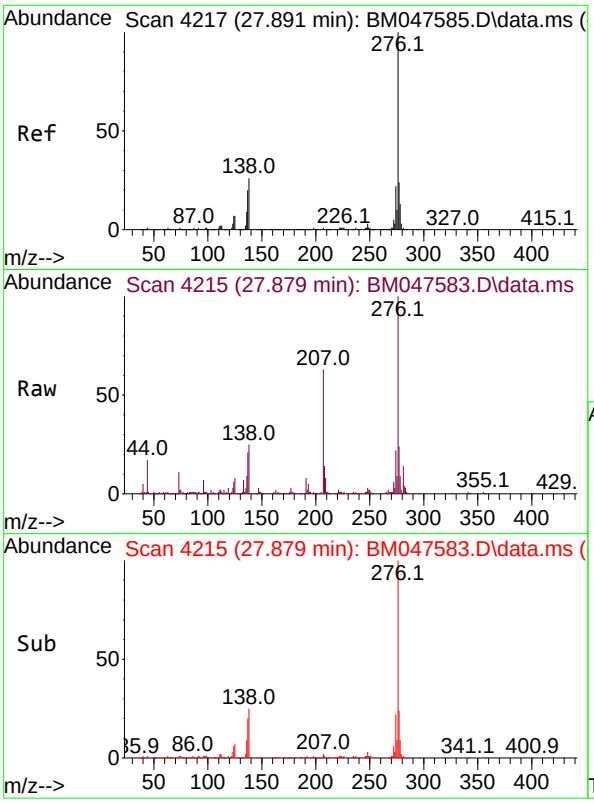


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:264 Resp: 1095539

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.9	28.3
265	21.8	17.0	25.6

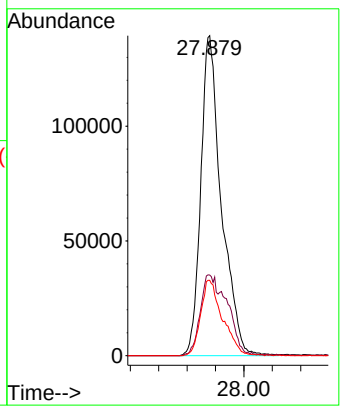




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.339 ng
RT: 27.879 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:276 Resp: 70357

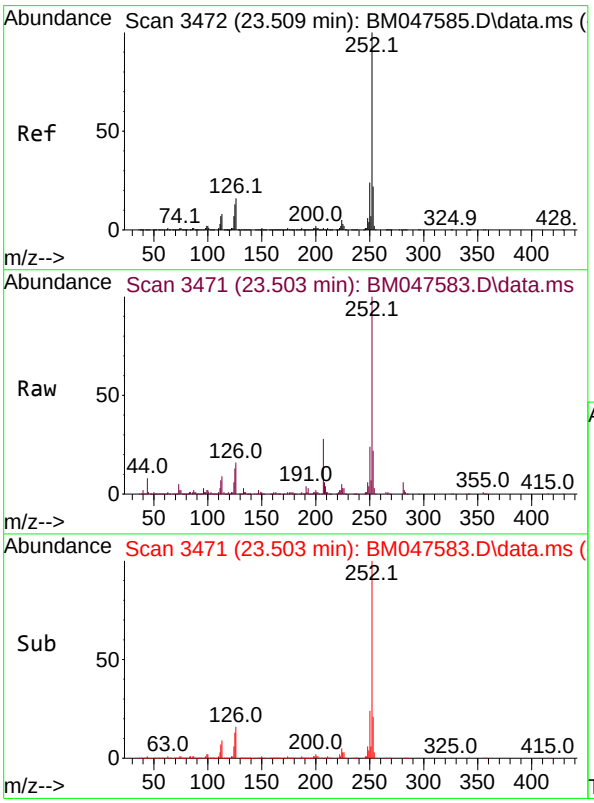
Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.1	27.1
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

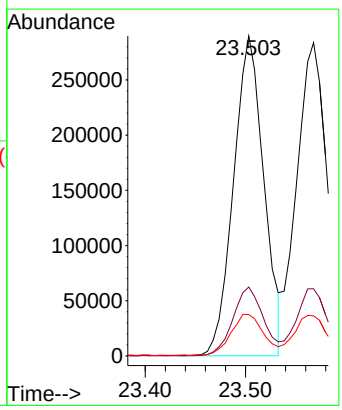
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

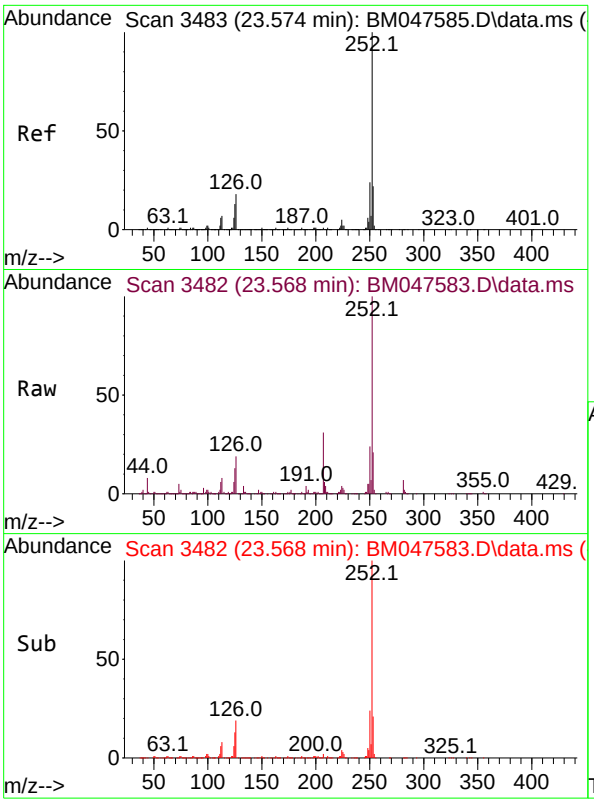


#88
Benzo(b)fluoranthene
Concen: 8.835 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:252 Resp: 608328

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	12.9	10.2	15.2

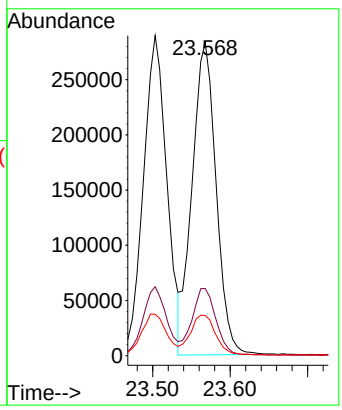




#89
Benzo(k)fluoranthene
Concen: 8.998 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:252 Resp: 60817

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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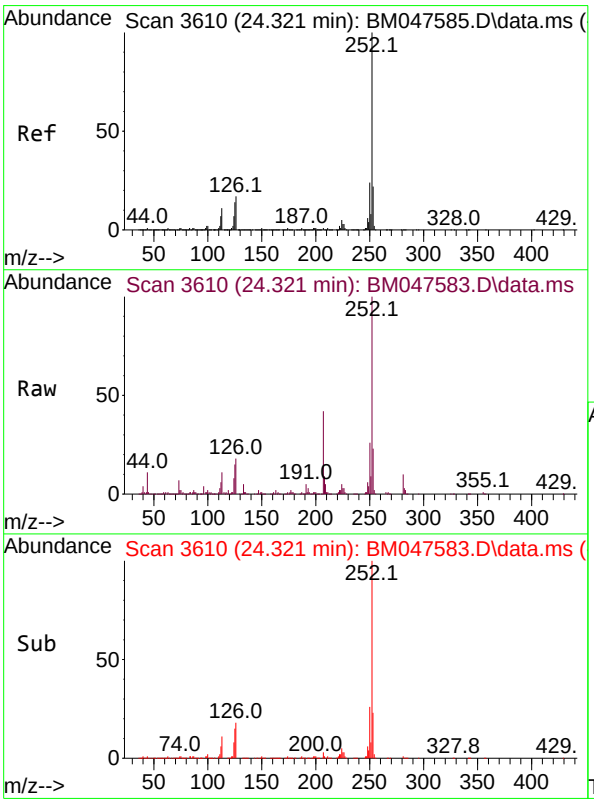
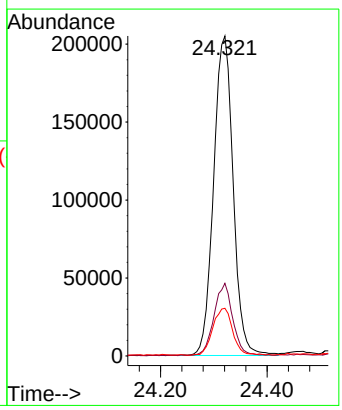
Supervised By :mohammad ahmed 09/24/2024

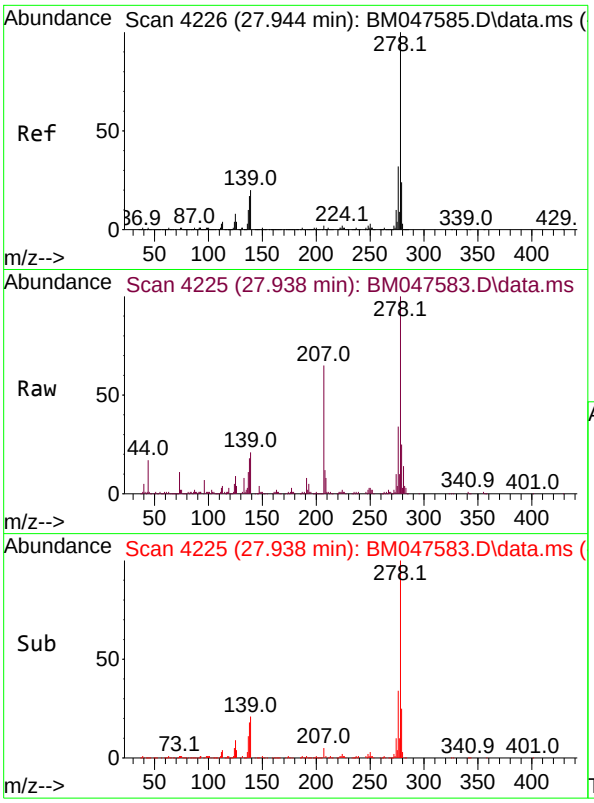


#90
Benzo(a)pyrene
Concen: 8.948 ng
RT: 24.321 min Scan# 3610
Delta R.T. 0.000 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:252 Resp: 522389

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	14.9	11.5	17.3

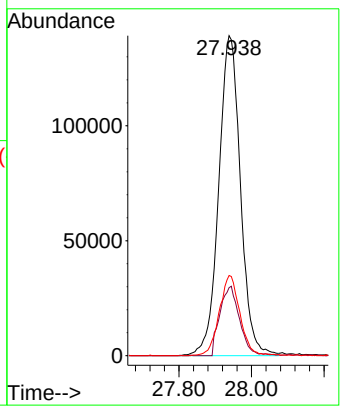




#91
Dibenzo(a,h)anthracene
Concen: 9.200 ng
RT: 27.938 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:278 Resp: 57891

Ion	Ratio	Lower	Upper
278	100		
139	21.2	16.4	24.6
279	25.0	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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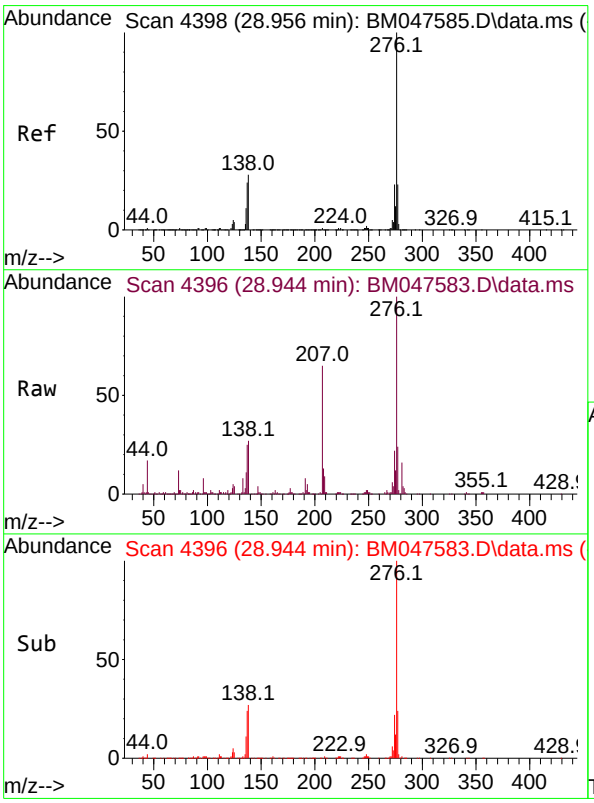
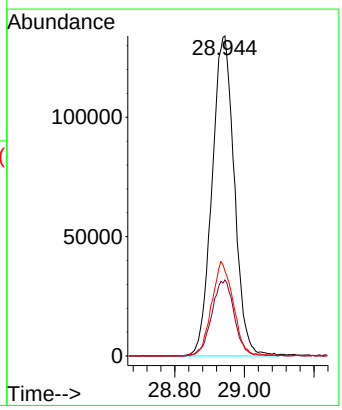


#92
Benzo(g,h,i)perylene
Concen: 9.441 ng
RT: 28.944 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM047583.D
Acq: 20 Sep 2024 11:00

Tgt Ion:276 Resp: 595414

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.3	27.5
138	26.6	22.3	33.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047584.D
Acq On : 20 Sep 2024 11:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:20:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	287780	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1158860	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	616950	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1144500	20.000	ng		0.00
76) Chrysene-d12	21.433	240	1006319	20.000	ng		0.00
86) Perylene-d12	24.462	264	1035786	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	745586	39.703	ng		0.00
7) Phenol-d6	7.004	99	980466	39.624	ng		0.00
23) Nitrobenzene-d5	8.998	82	924606	39.718	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	217166	38.014	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	1705680	39.120	ng		0.00
79) Terphenyl-d14	19.827	244	2153605	38.399	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	163017	19.937	ng		100
3) Pyridine	3.716	79	452122	19.935	ng		99
4) n-Nitrosodimethylamine	3.622	42	189111	20.122	ng	#	97
6) Aniline	7.169	93	423151	19.962	ng		100
8) 2-Chlorophenol	7.410	128	398225	20.256	ng		98
9) Benzaldehyde	6.981	77	287157	22.714	ng		98
10) Phenol	7.034	94	484434	19.717	ng		100
11) bis(2-Chloroethyl)ether	7.269	93	402073	20.361	ng		98
12) 1,3-Dichlorobenzene	7.740	146	438396	20.164	ng		97
13) 1,4-Dichlorobenzene	7.881	146	442923	20.134	ng		98
14) 1,2-Dichlorobenzene	8.198	146	424602	20.024	ng		98
15) Benzyl Alcohol	8.081	79	318584	19.955	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	519553	20.641	ng		100
17) 2-Methylphenol	8.281	107	307445	19.910	ng		97
18) Hexachloroethane	8.934	117	179248	20.093	ng		98
19) n-Nitroso-di-n-propyla...	8.651	70	307892	20.314	ng		100
20) 3+4-Methylphenols	8.610	107	419855	19.962	ng		99
22) Acetophenone	8.663	105	595624	19.728	ng	#	98
24) Nitrobenzene	9.039	77	485723	20.201	ng		99
25) Isophorone	9.569	82	772888	19.866	ng		99
26) 2-Nitrophenol	9.751	139	163187	19.303	ng		96
27) 2,4-Dimethylphenol	9.810	122	237586	19.716	ng		99
28) bis(2-Chloroethoxy)met...	10.051	93	508540	20.319	ng		98
29) 2,4-Dichlorophenol	10.286	162	302540	19.860	ng		99
30) 1,2,4-Trichlorobenzene	10.504	180	347728	20.027	ng		98
31) Naphthalene	10.692	128	1214190	19.804	ng		99
32) Benzoic acid	9.898	122	201336	17.901	ng		99
33) 4-Chloroaniline	10.792	127	428520	19.825	ng		99
34) Hexachlorobutadiene	10.986	225	190387	20.149	ng		97
35) Caprolactam	11.551	113	101123	19.205	ng		95
36) 4-Chloro-3-methylphenol	11.916	107	338243	19.461	ng		98
37) 2-Methylnaphthalene	12.304	142	757095	19.655	ng		99
38) 1-Methylnaphthalene	12.522	142	749928	19.625	ng		98
40) 1,2,4,5-Tetrachloroben...	12.669	216	320358	19.677	ng		99
41) Hexachlorocyclopentadiene	12.657	237	107091	19.923	ng		96
43) 2,4,6-Trichlorophenol	12.904	196	207745	19.633	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047584.D
Acq On : 20 Sep 2024 11:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:20:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	232915	19.583	ng		99
46) 1,1'-Biphenyl	13.310	154	940567	19.741	ng		99
47) 2-Chloronaphthalene	13.351	162	739557	19.837	ng		100
48) 2-Nitroaniline	13.545	65	213967	19.216	ng		98
49) Acenaphthylene	14.198	152	1061132	19.779	ng		100
50) Dimethylphthalate	13.933	163	841700	19.759	ng		99
51) 2,6-Dinitrotoluene	14.039	165	175681	19.685	ng		92
52) Acenaphthene	14.539	154	684453m	19.307	ng		
53) 3-Nitroaniline	14.368	138	199527	19.493	ng		99
54) 2,4-Dinitrophenol	14.568	184	66924	16.541	ng		92
55) Dibenzofuran	14.874	168	1016506	19.626	ng		99
56) 4-Nitrophenol	14.668	139	172198	19.632	ng		96
57) 2,4-Dinitrotoluene	14.827	165	232180	19.524	ng		100
58) Fluorene	15.521	166	878154	19.157	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	179309	19.723	ng		99
60) Diethylphthalate	15.292	149	899188	19.800	ng		100
61) 4-Chlorophenyl-phenyle...	15.515	204	387716	19.357	ng		98
62) 4-Nitroaniline	15.521	138	218286	18.927	ng		98
63) Azobenzene	15.804	77	994640	20.034	ng		100
65) 4,6-Dinitro-2-methylph...	15.586	198	96801	17.850	ng		97
66) n-Nitrosodiphenylamine	15.727	169	676937	19.803	ng		100
67) 4-Bromophenyl-phenylether	16.404	248	203232	19.548	ng		98
68) Hexachlorobenzene	16.521	284	238051	19.586	ng		98
69) Atrazine	16.674	200	178463	21.686	ng		97
70) Pentachlorophenol	16.862	266	147990	19.400	ng		98
71) Phenanthrene	17.251	178	1208530	19.453	ng		100
72) Anthracene	17.345	178	1142039	19.402	ng		100
73) Carbazole	17.609	167	1189736	19.398	ng		99
74) Di-n-butylphthalate	18.180	149	1458233	19.657	ng		100
75) Fluoranthene	19.262	202	1291864	18.891	ng		99
77) Benzidine	19.439	184	237822	17.354	ng		98
78) Pyrene	19.621	202	1360006	19.309	ng		100
80) Butylbenzylphthalate	20.521	149	598962	19.534	ng		98
81) Benzo(a)anthracene	21.415	228	1296621	19.596	ng		99
82) 3,3'-Dichlorobenzidine	21.339	252	404304	19.675	ng		98
83) Chrysene	21.480	228	1221254	19.408	ng		100
84) Bis(2-ethylhexyl)phtha...	21.350	149	957082	19.515	ng		99
85) Di-n-octyl phthalate	22.497	149	1471759	19.447	ng		100
87) Indeno(1,2,3-cd)pyrene	27.885	276	1374418	19.297	ng	#	89
88) Benzo(b)fluoranthene	23.503	252	1278176	19.634	ng		99
89) Benzo(k)fluoranthene	23.568	252	1214175	19.000	ng		98
90) Benzo(a)pyrene	24.321	252	1072547	19.432	ng		99
91) Dibenzo(a,h)anthracene	27.944	278	1149391	19.320	ng		99
92) Benzo(g,h,i)perylene	28.944	276	1164711	19.534	ng		99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047584.D
Acq On : 20 Sep 2024 11:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 20 16:20:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
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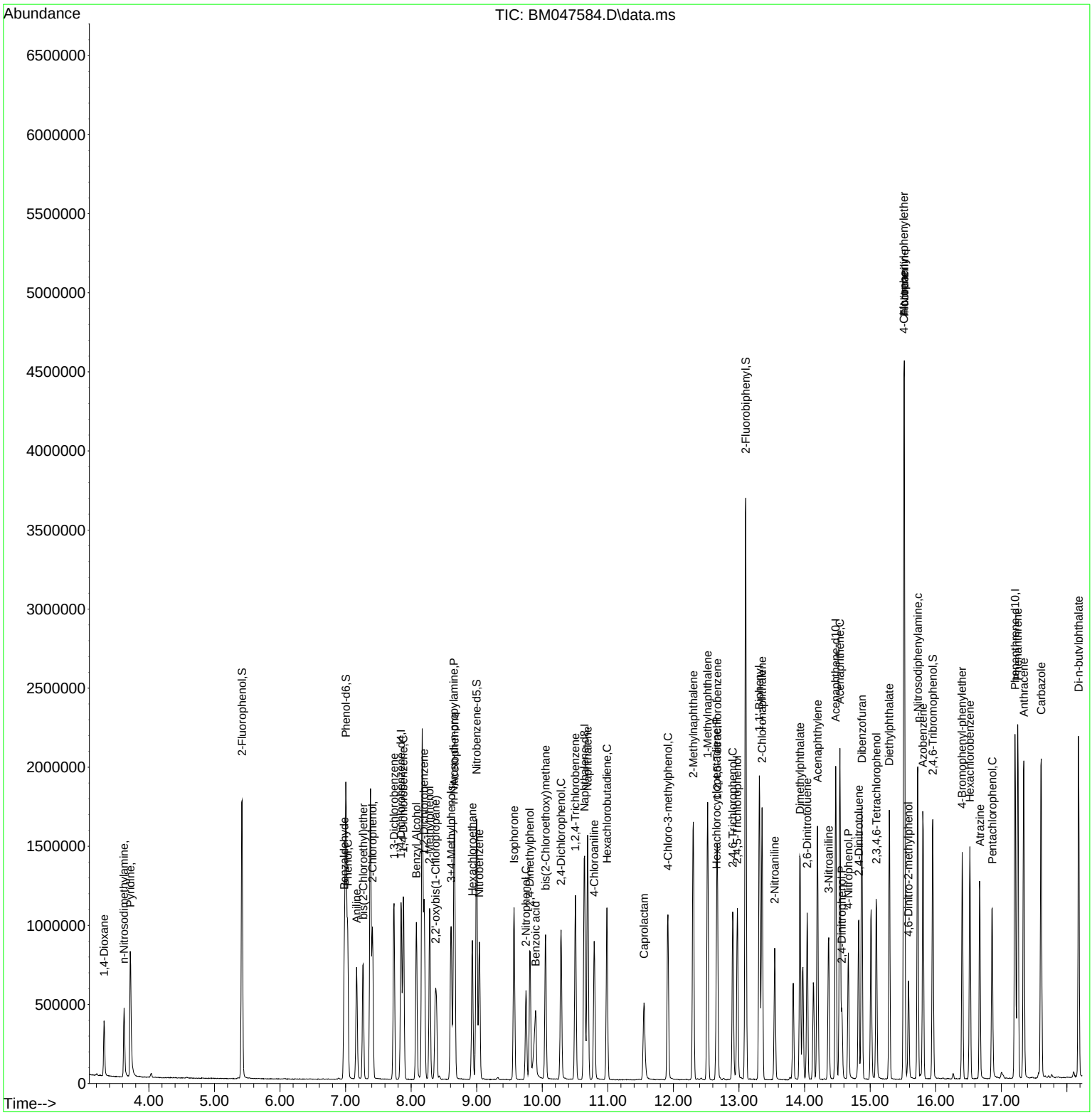

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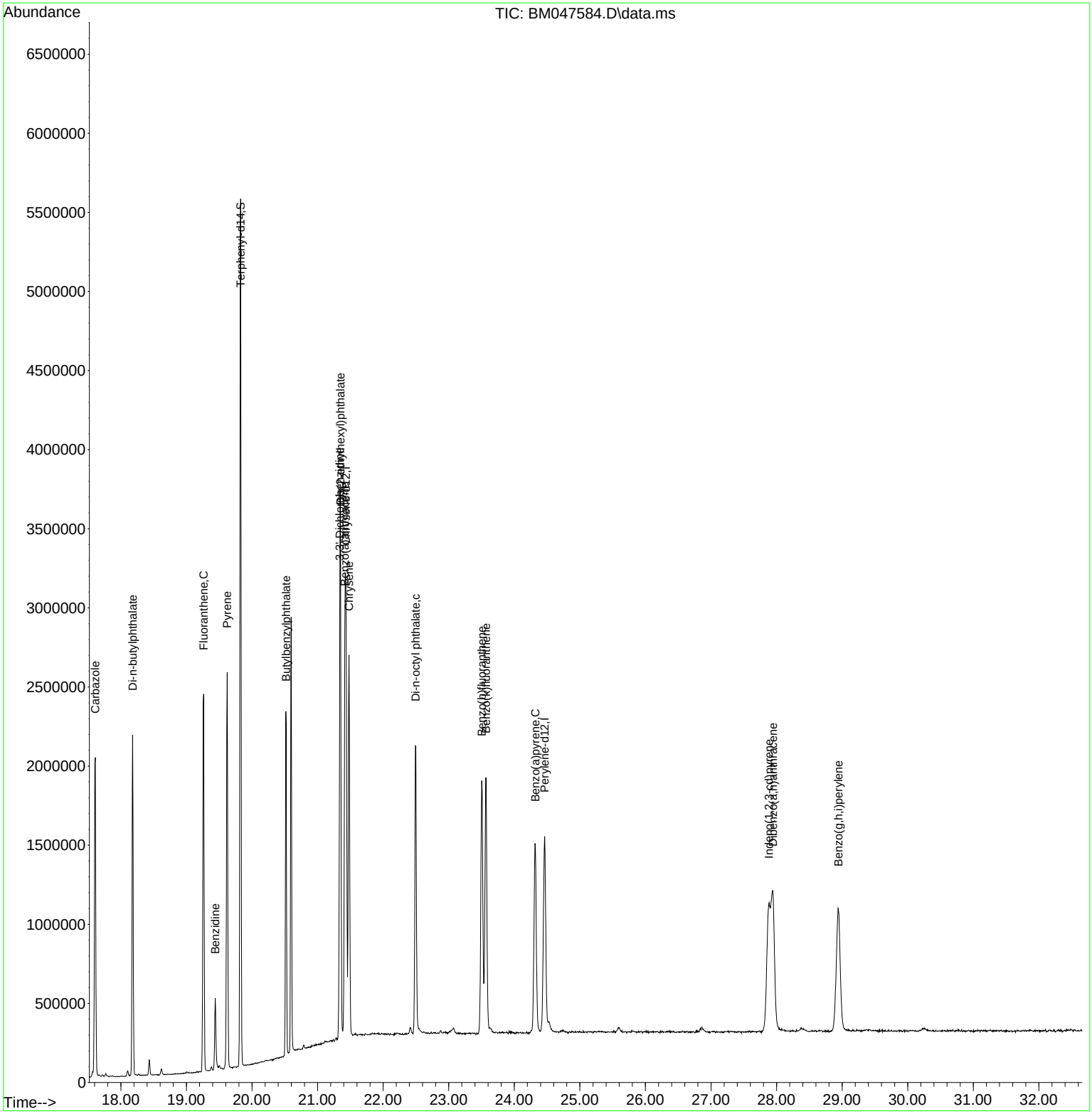
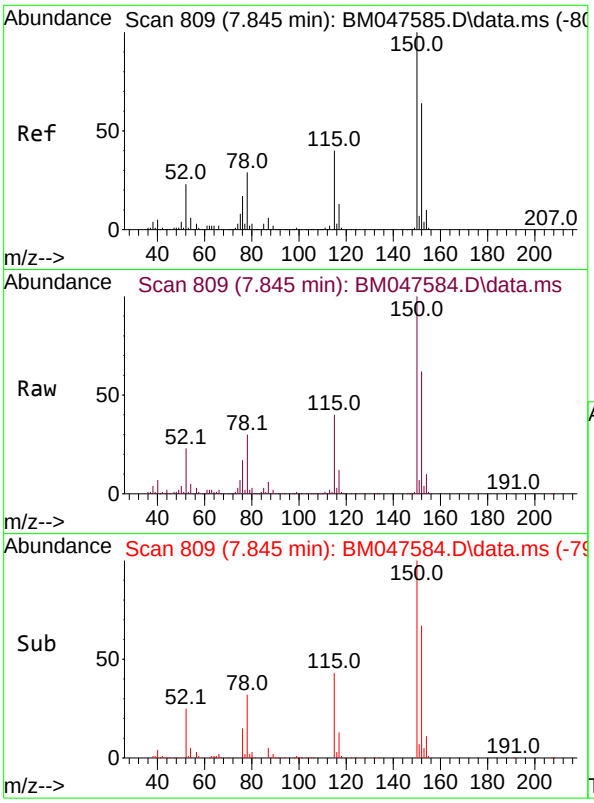
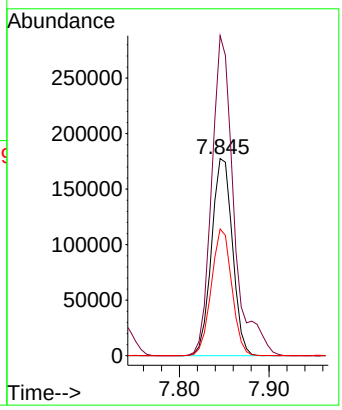




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:152 Resp: 28778

Ion	Ratio	Lower	Upper
152	100		
150	162.4	124.5	186.7
115	64.3	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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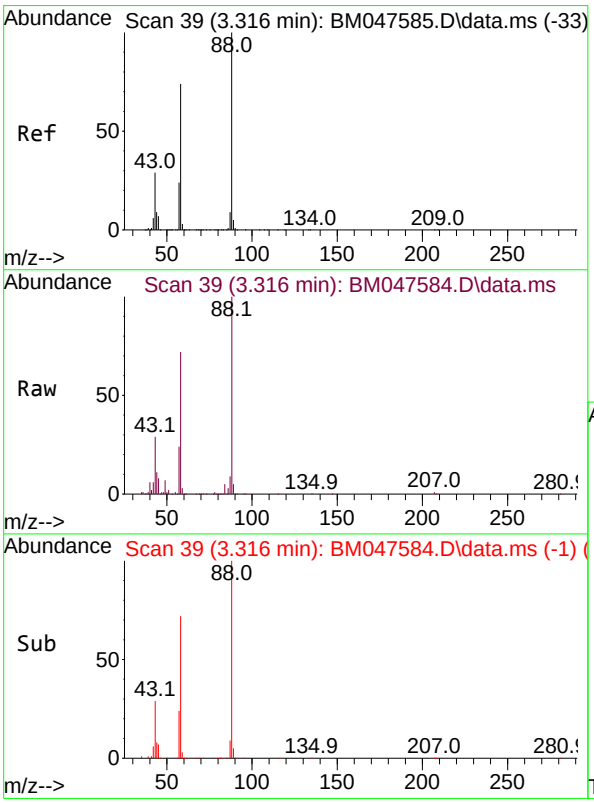
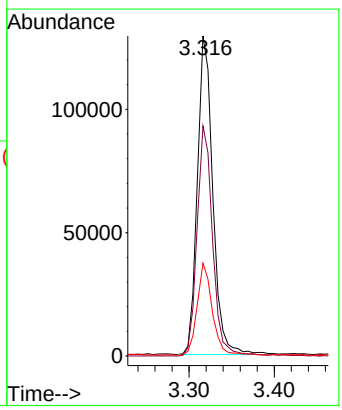
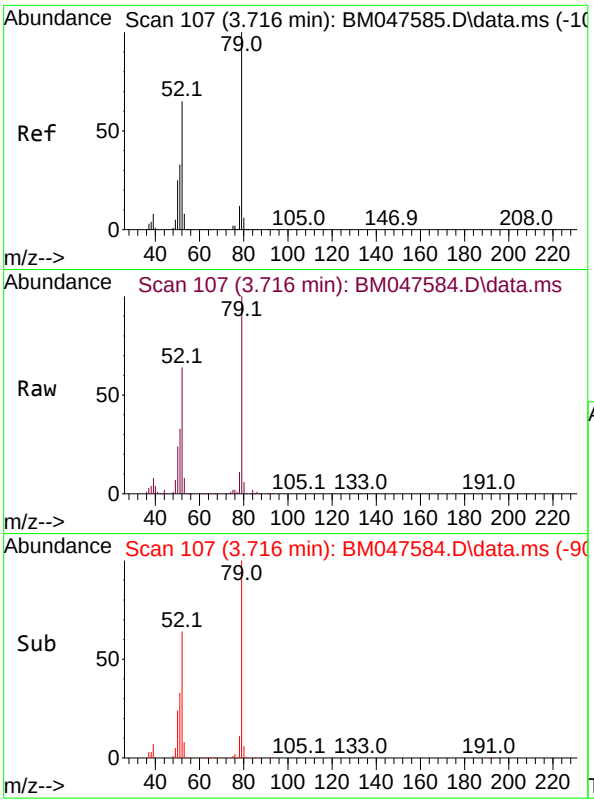


#2
1,4-Dioxane
Concen: 19.937 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 88 Resp: 163017

Ion	Ratio	Lower	Upper
88	100		
58	72.4	58.0	87.0
43	28.5	23.1	34.7

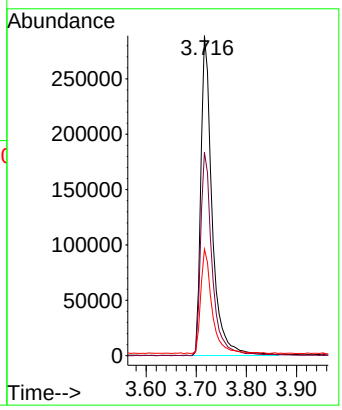




#3
Pyridine
Concen: 19.935 ng
RT: 3.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 79 Resp: 45212

Ion	Ratio	Lower	Upper
79	100		
52	63.5	52.2	78.2
51	33.2	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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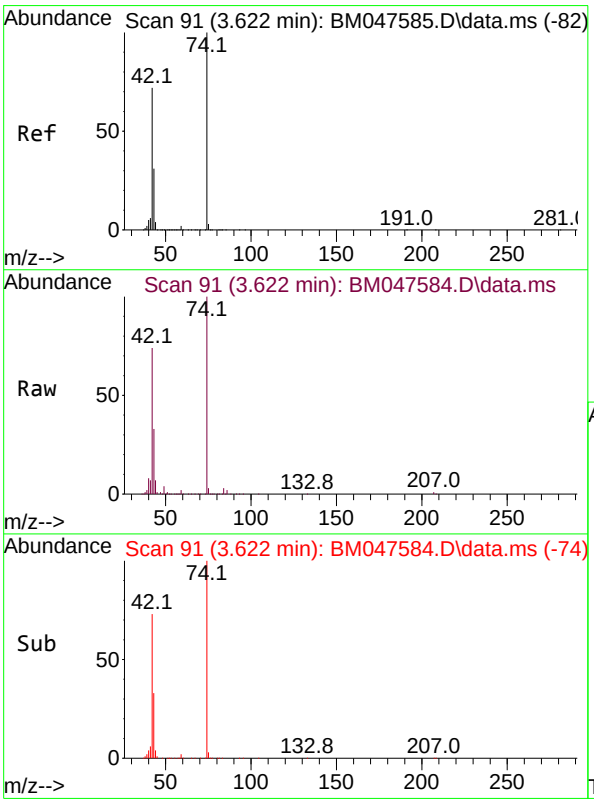
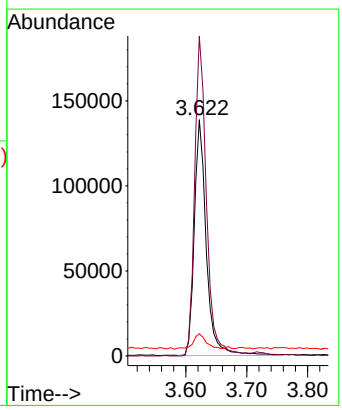
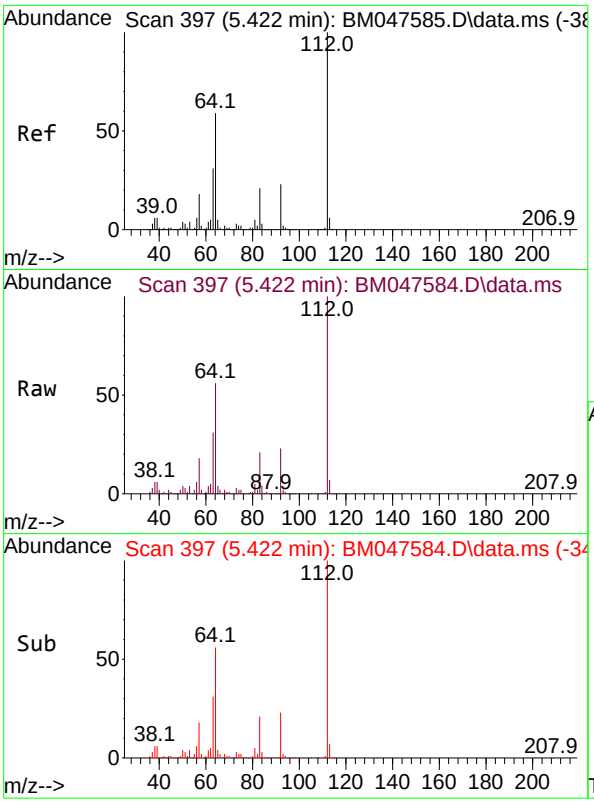


#4
n-Nitrosodimethylamine
Concen: 20.122 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 42 Resp: 189111

Ion	Ratio	Lower	Upper
42	100		
74	135.4	110.8	166.2
44	9.4	6.1	9.1#

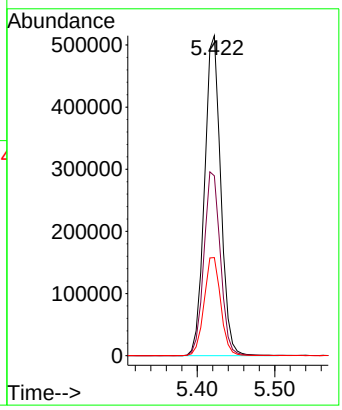




#5
2-Fluorophenol
Concen: 39.703 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:112 Resp: 74558

Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.8	70.2
63	30.6	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
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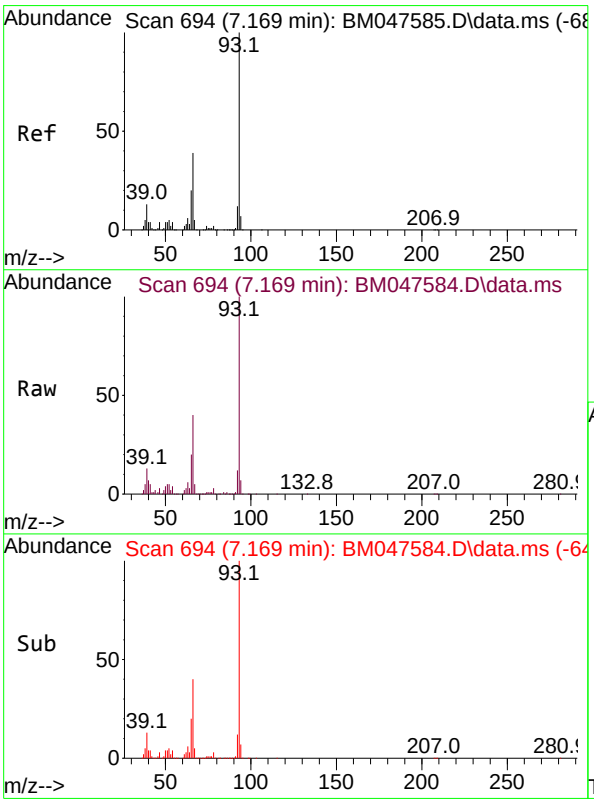
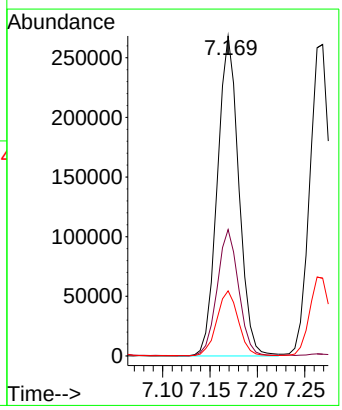
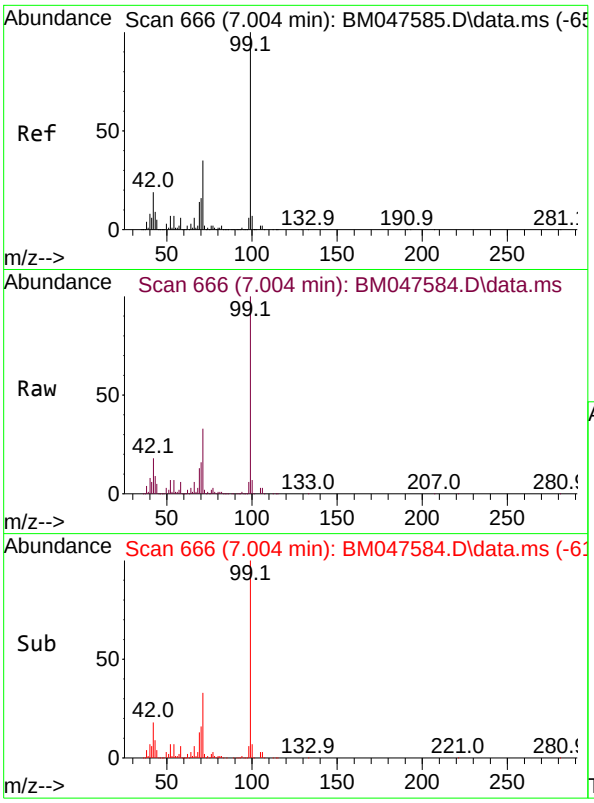


#6
Aniline
Concen: 19.962 ng
RT: 7.169 min Scan# 694
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 93 Resp: 423151

Ion	Ratio	Lower	Upper
93	100		
66	39.5	31.4	47.0
65	20.4	16.2	24.2

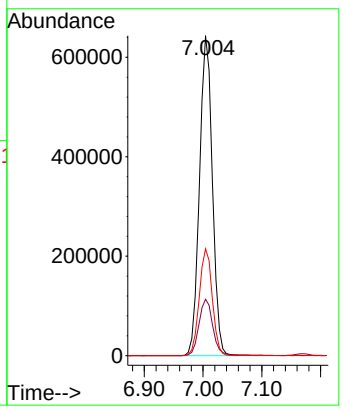




#7
Phenol-d6
Concen: 39.624 ng
RT: 7.004 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 99 Resp: 98046

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.3	22.9
71	33.4	27.8	41.6



Instrument :
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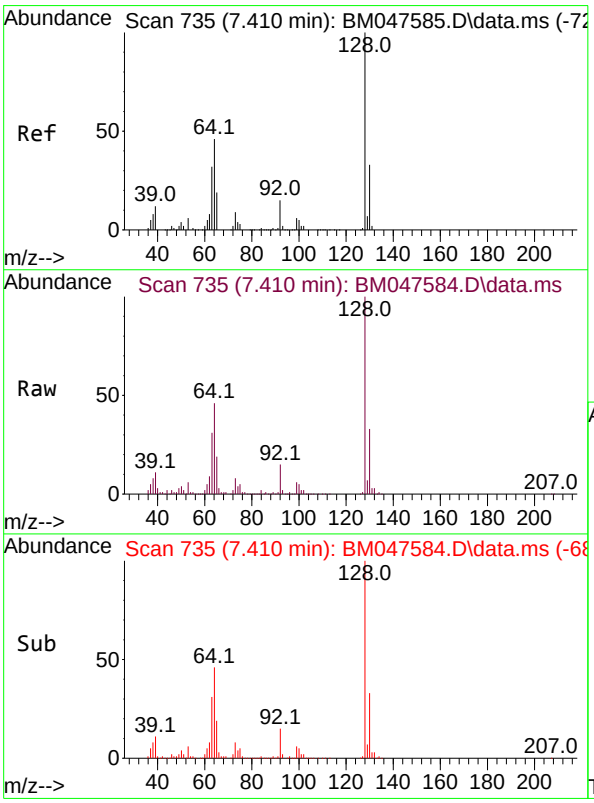
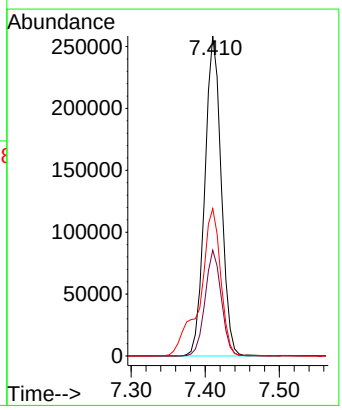
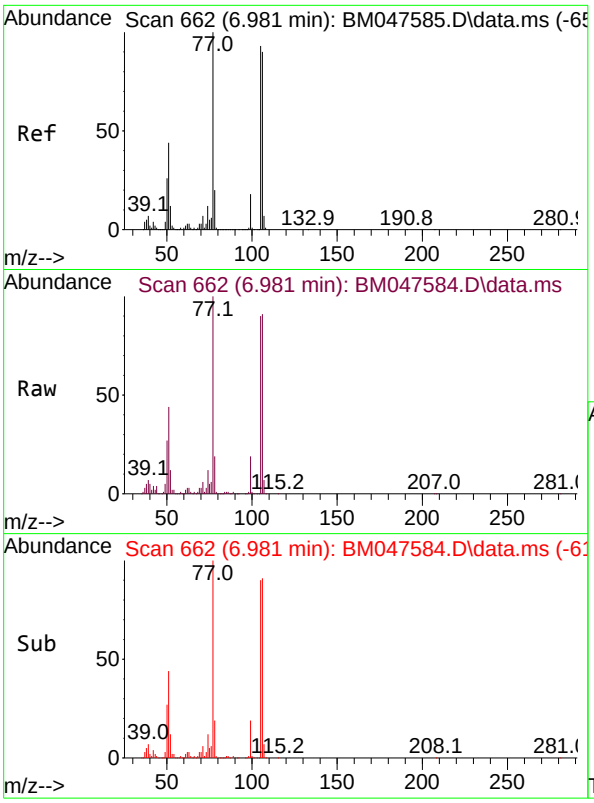


#8
2-Chlorophenol
Concen: 20.256 ng
RT: 7.410 min Scan# 735
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:128 Resp: 398225

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	46.1	27.6	67.6

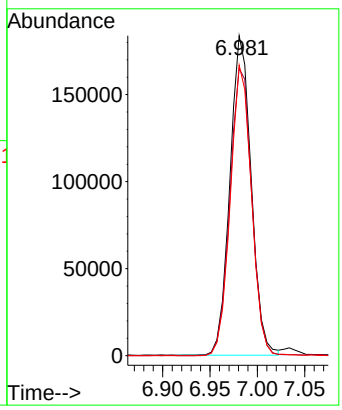




#9
Benzaldehyde
Concen: 22.714 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 77 Resp: 28715

Ion	Ratio	Lower	Upper
77	100		
105	89.8	73.0	113.0
106	90.8	70.3	110.3



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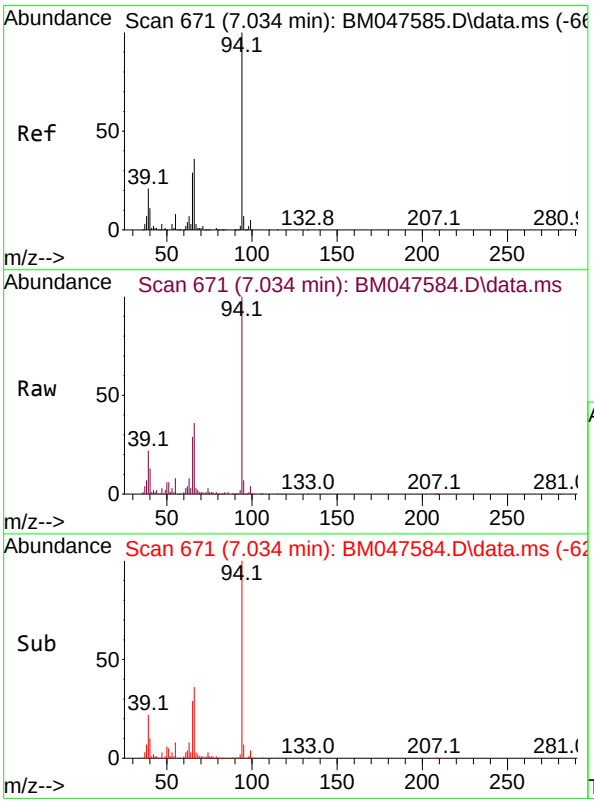
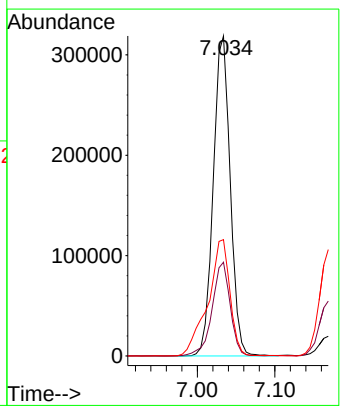
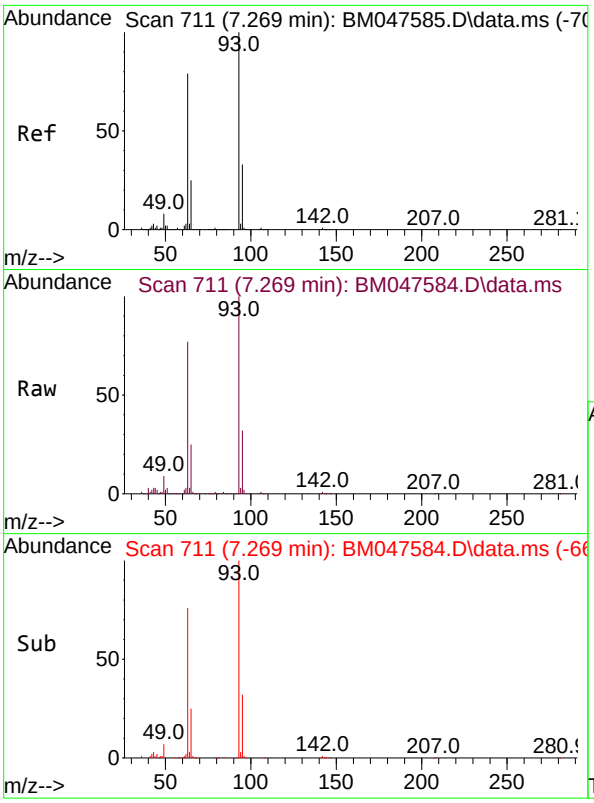


#10
Phenol
Concen: 19.717 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 94 Resp: 484434

Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.1	49.1
66	36.3	16.5	56.5

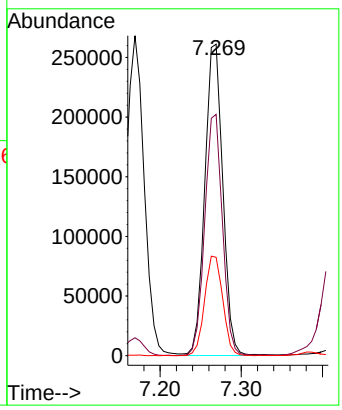




#11
bis(2-Chloroethyl)ether
Concen: 20.361 ng
RT: 7.269 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 93 Resp: 40207

Ion	Ratio	Lower	Upper
93	100		
63	77.4	58.5	98.5
95	31.6	12.9	52.9



Instrument :
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ClientSampleId :
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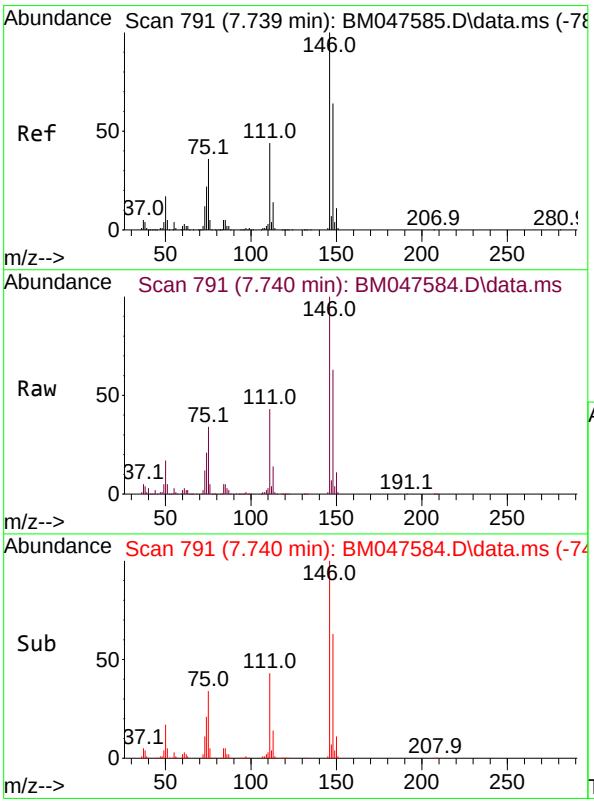
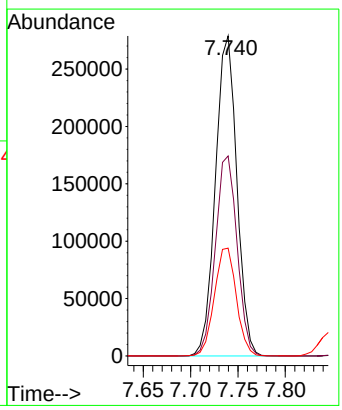
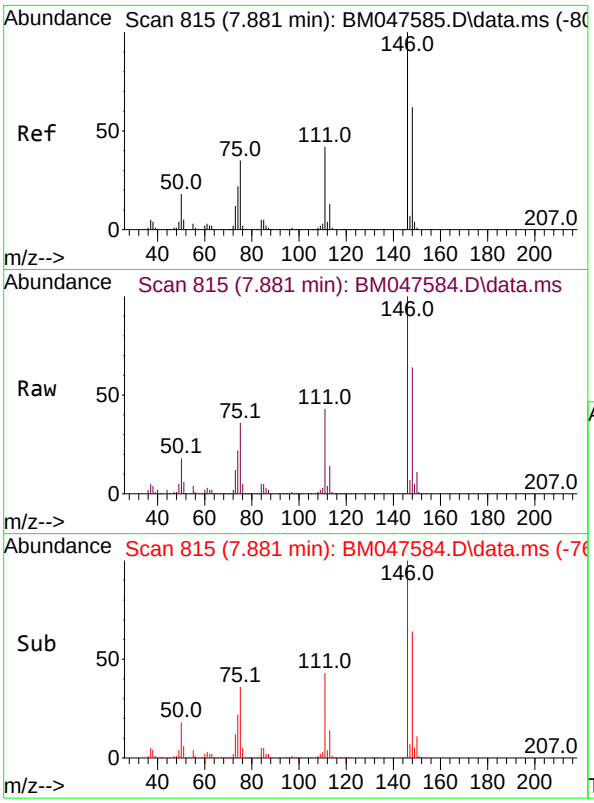


#12
1,3-Dichlorobenzene
Concen: 20.164 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:146 Resp: 438396

Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.4	77.2
75	33.7	28.4	42.6

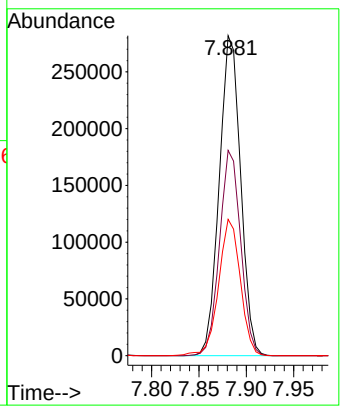




#13
1,4-Dichlorobenzene
Concen: 20.134 ng
RT: 7.881 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:146 Resp: 44292

Ion	Ratio	Lower	Upper
146	100		
148	64.1	49.8	74.6
111	42.6	33.3	49.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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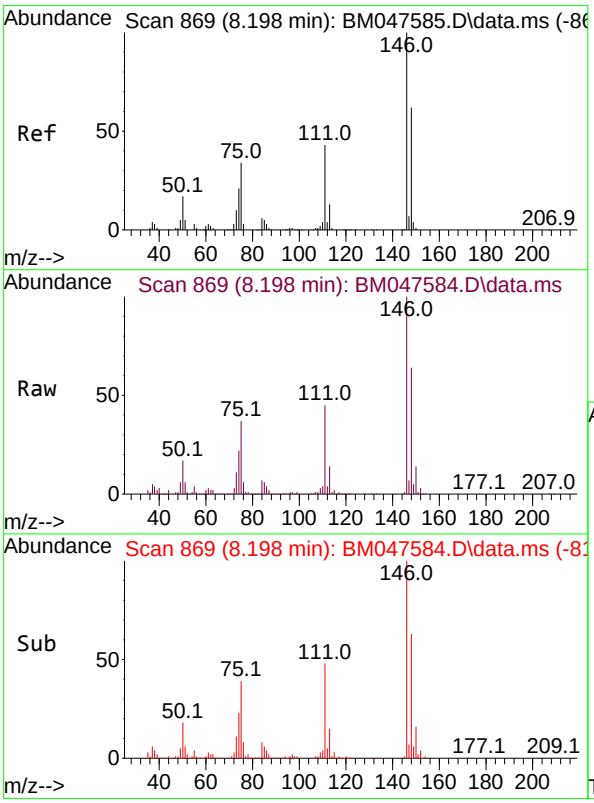
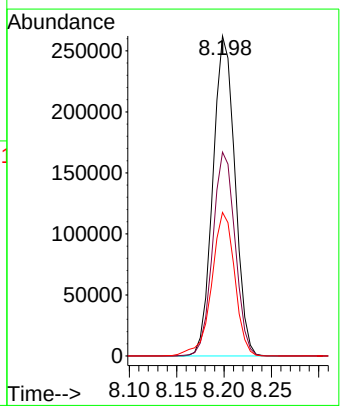
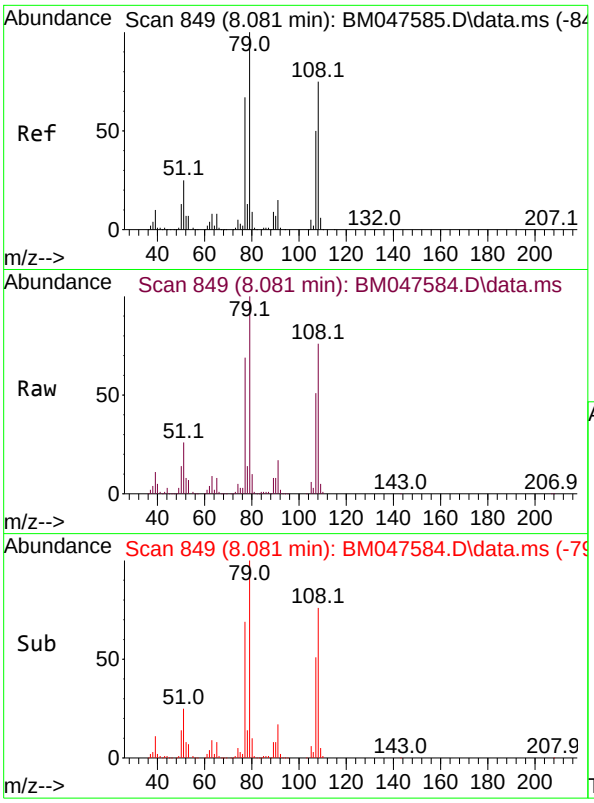


#14
1,2-Dichlorobenzene
Concen: 20.024 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:146 Resp: 424602

Ion	Ratio	Lower	Upper
146	100		
148	63.7	49.7	74.5
111	44.9	34.8	52.2





#15
Benzyl Alcohol
Concen: 19.955 ng
RT: 8.081 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 79 Resp: 31858

Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	69.2	53.9	80.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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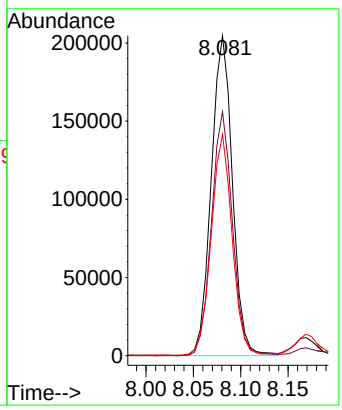
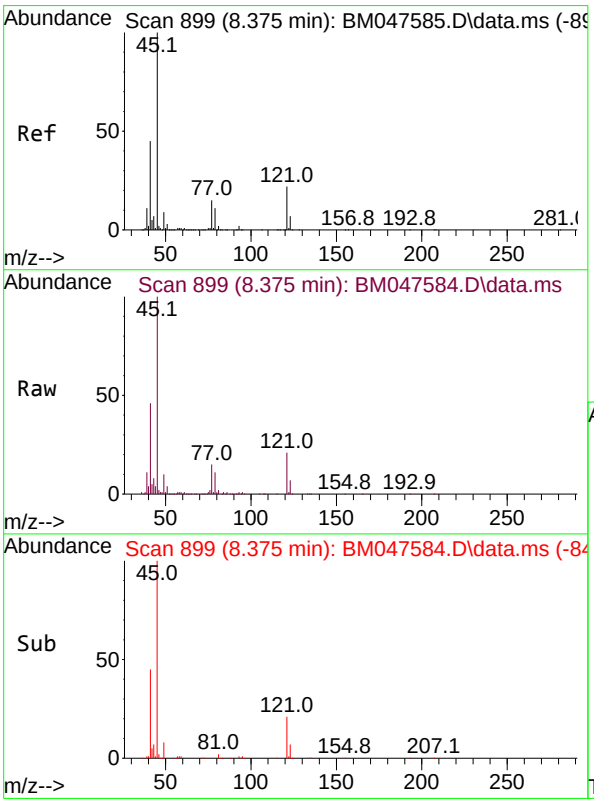
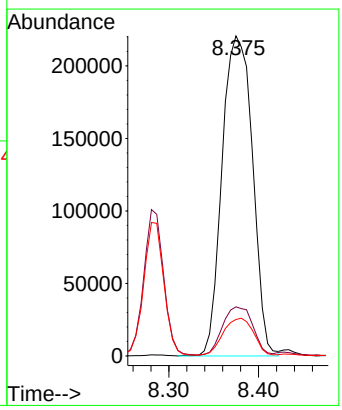


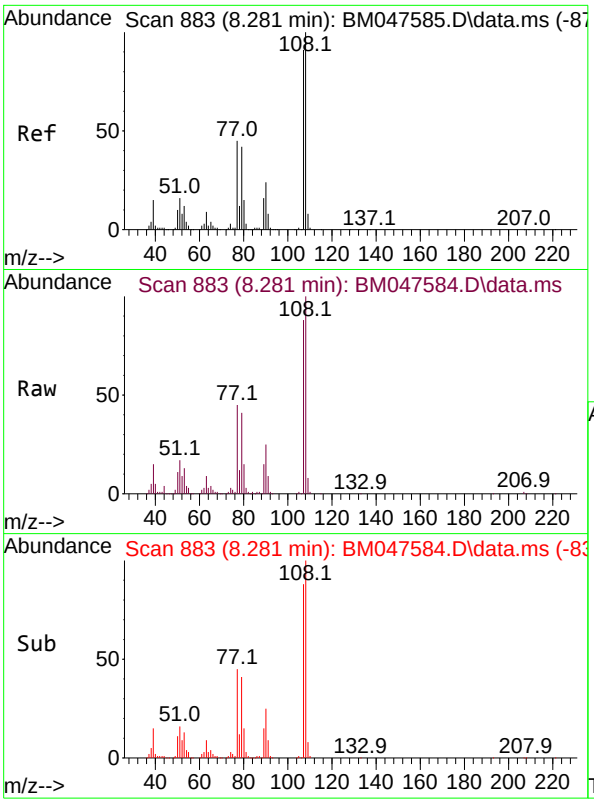


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.641 ng
RT: 8.375 min Scan# 899
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 45 Resp: 519553

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.5
79	11.4	0.0	31.6

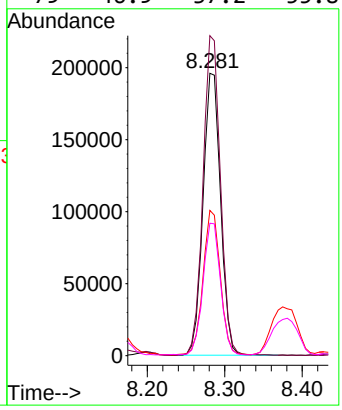




#17
2-Methylphenol
Concen: 19.910 ng
RT: 8.281 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:107 Resp: 30744

Ion	Ratio	Lower	Upper
107	100		
108	113.3	87.8	131.6
77	51.4	39.6	59.4
79	46.9	37.2	55.8



Instrument :
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ClientSampleId :
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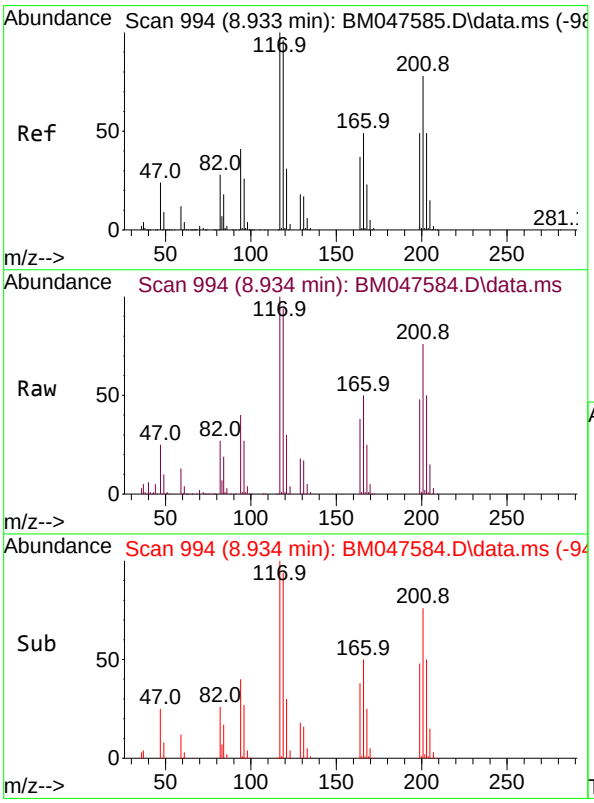
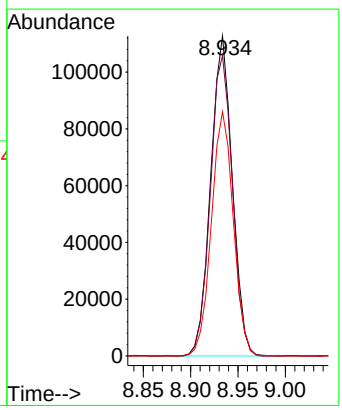
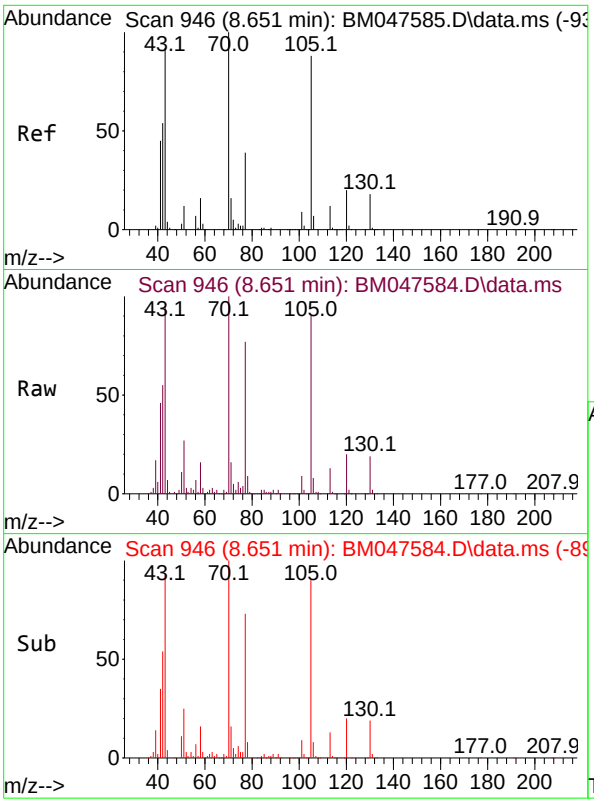


#18
Hexachloroethane
Concen: 20.093 ng
RT: 8.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:117 Resp: 179248

Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.2	115.8
201	76.3	62.3	93.5

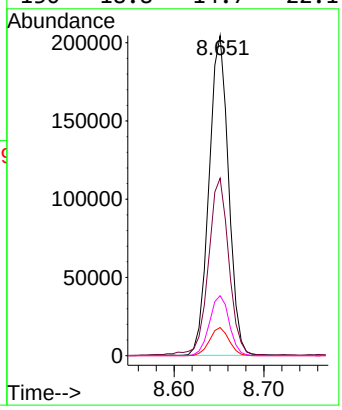




#19
n-Nitroso-di-n-propylamine
Concen: 20.314 ng
RT: 8.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 70 Resp: 30789

Ion	Ratio	Lower	Upper
70	100		
42	55.5	44.2	66.2
101	8.8	7.0	10.4
130	18.8	14.7	22.1



Instrument :
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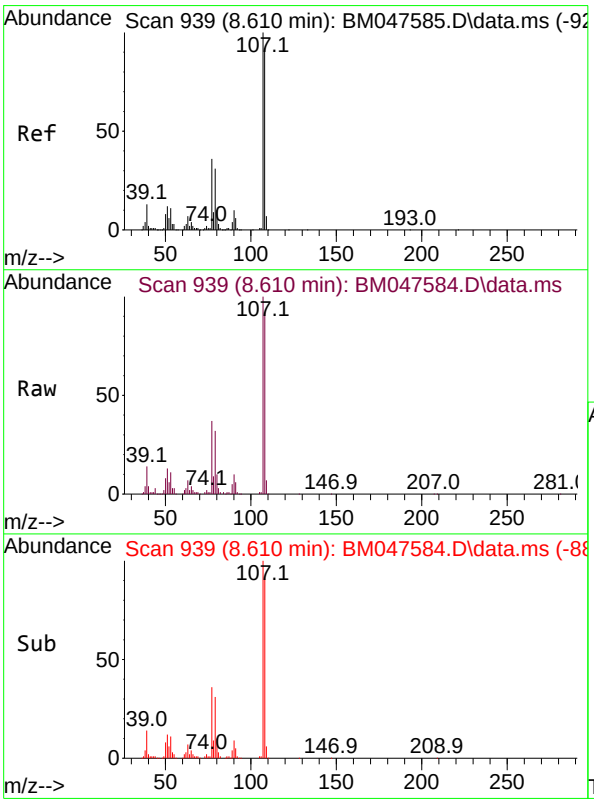
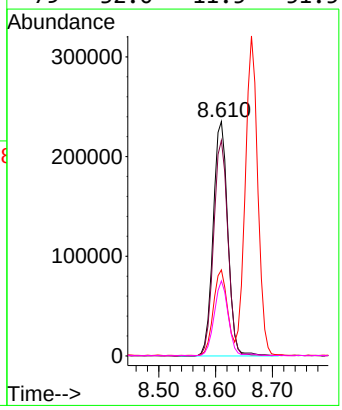
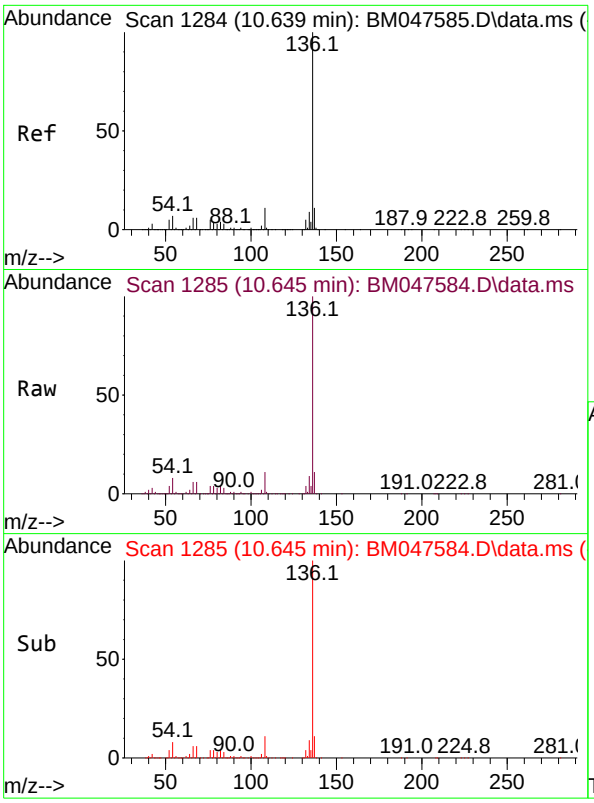


#20
3+4-Methylphenols
Concen: 19.962 ng
RT: 8.610 min Scan# 939
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:107 Resp: 419855

Ion	Ratio	Lower	Upper
107	100		
108	92.0	71.8	111.8
77	36.7	16.1	56.1
79	32.0	11.5	51.5

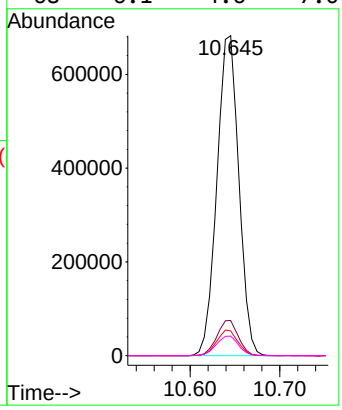




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:136 Resp: 115886

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.7	6.0	9.0
68	6.1	4.6	7.0



Instrument :
BNA_M
ClientSampleId :
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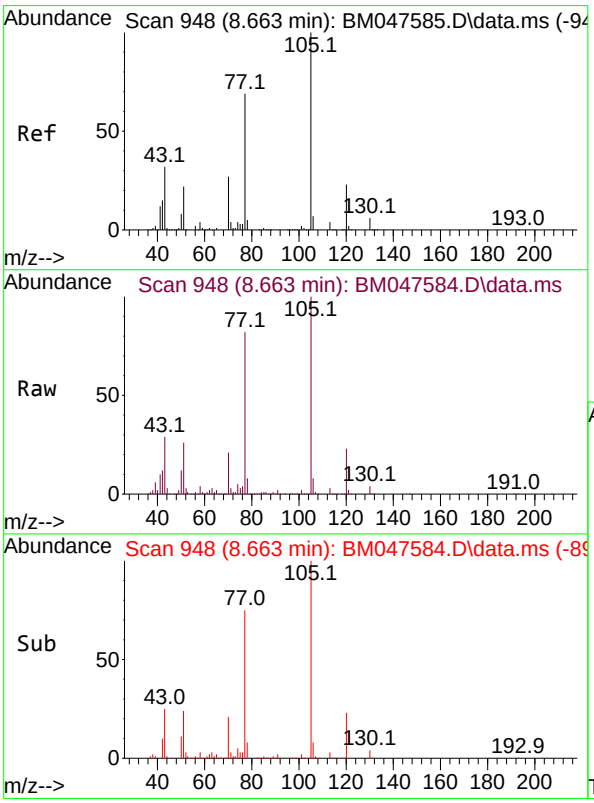
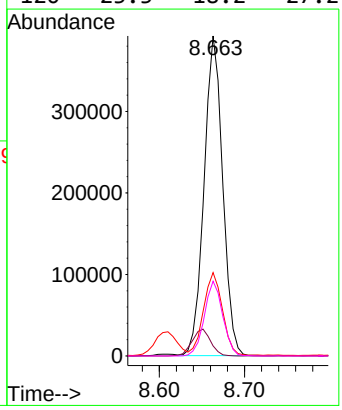
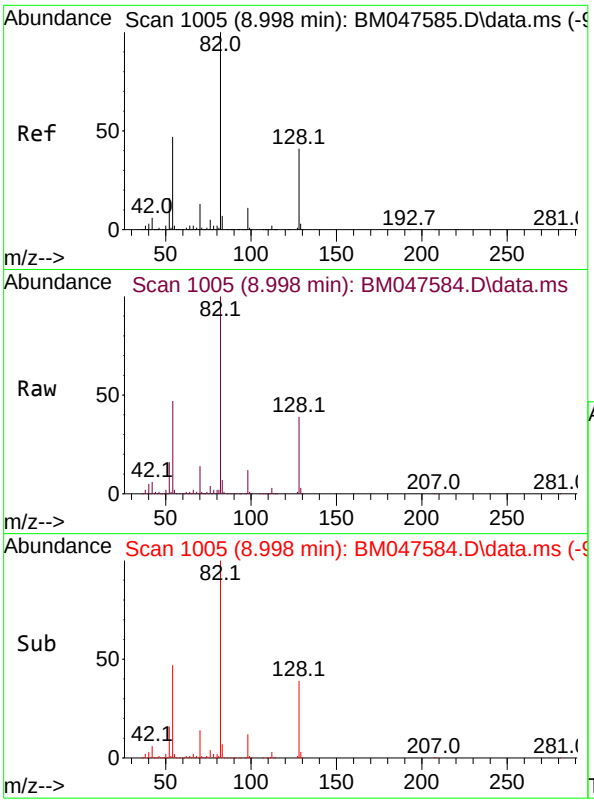


#22
Acetophenone
Concen: 19.728 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:105 Resp: 595624

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.4	5.2#
51	26.1	21.4	32.2
120	23.3	18.2	27.2





#23
Nitrobenzene-d5
Concen: 39.718 ng
RT: 8.998 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 82 Resp: 92460(

Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.5	48.7
54	46.9	37.5	56.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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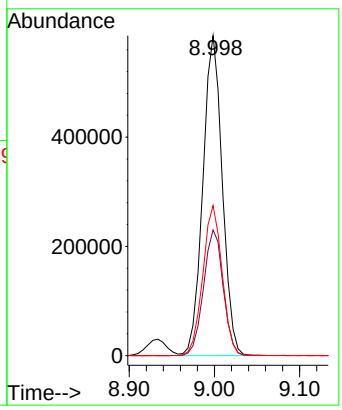
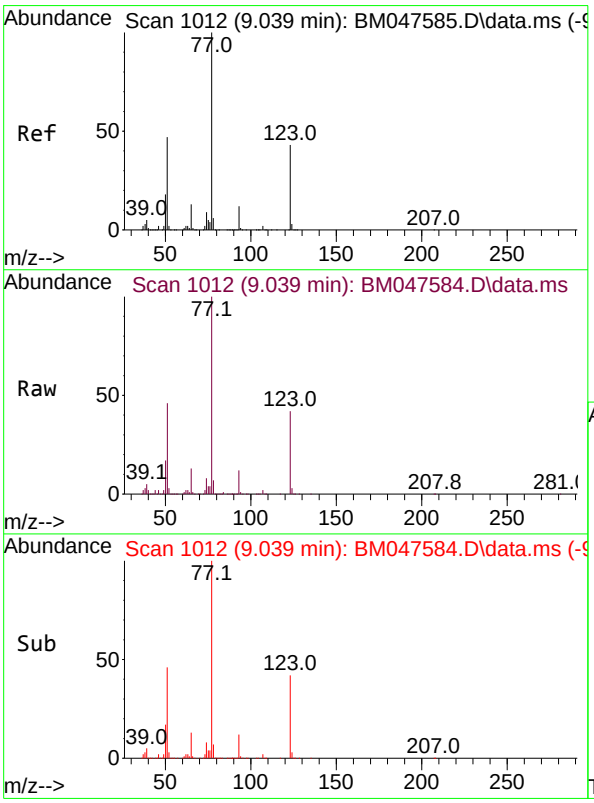
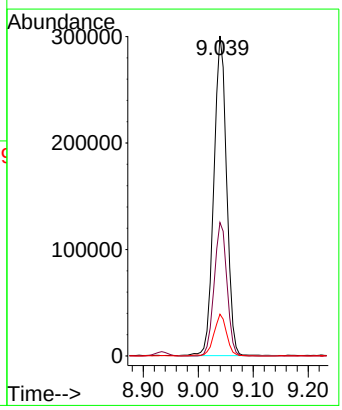


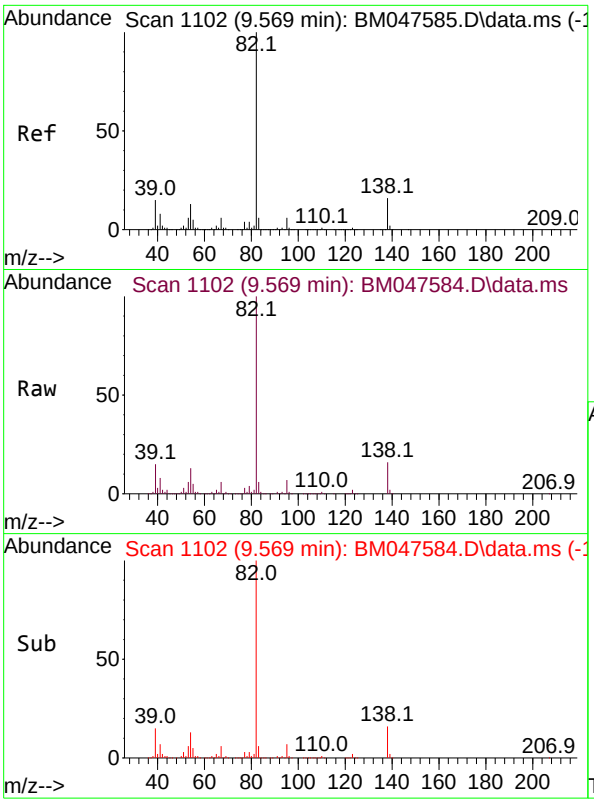


#24
Nitrobenzene
Concen: 20.201 ng
RT: 9.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 77 Resp: 485723

Ion	Ratio	Lower	Upper
77	100		
123	41.7	34.1	51.1
65	13.1	10.7	16.1





#25
Isophorone
Concen: 19.866 ng
RT: 9.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 82 Resp: 77288

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.0	7.6
138	16.0	12.9	19.3

Instrument :
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ClientSampleId :
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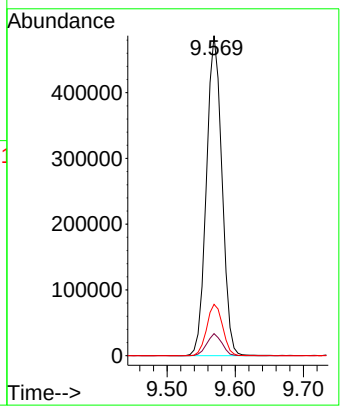
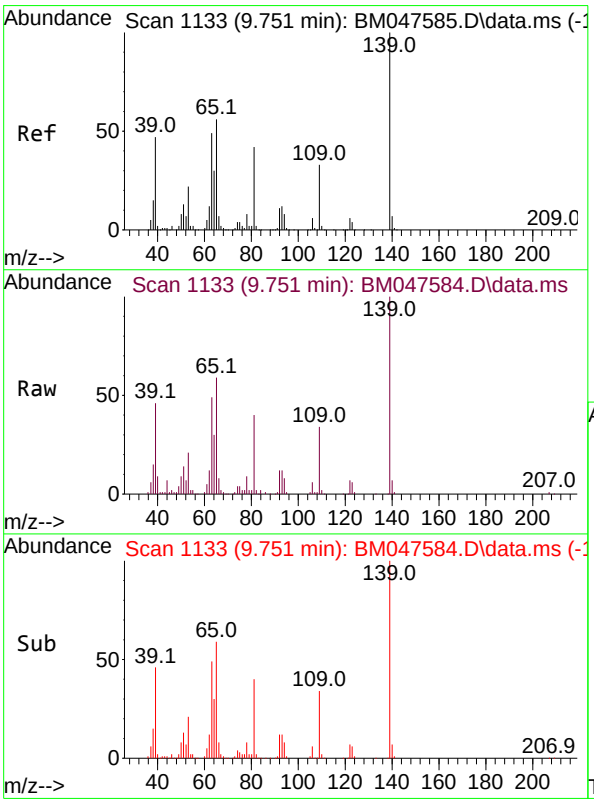
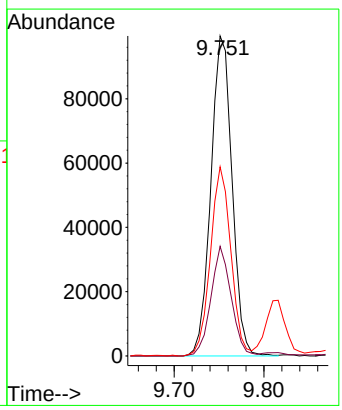


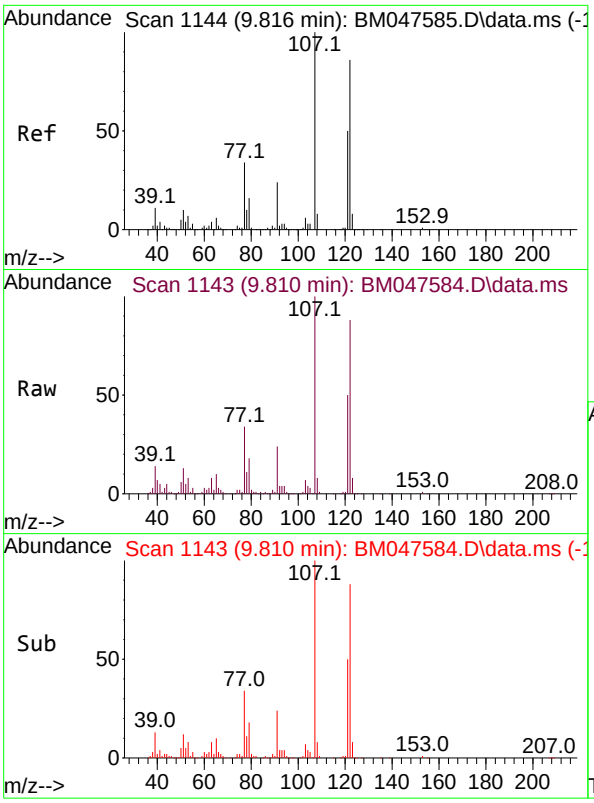


#26
2-Nitrophenol
Concen: 19.303 ng
RT: 9.751 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:139 Resp: 163187

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.1	39.1
65	59.1	44.7	67.1

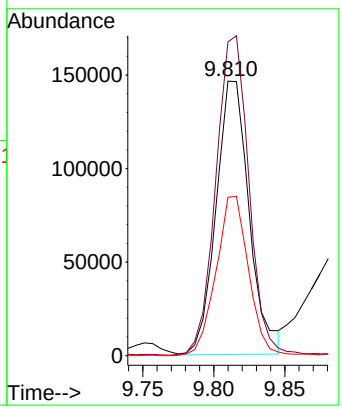




#27
2,4-Dimethylphenol
Concen: 19.716 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:122 Resp: 23758

Ion	Ratio	Lower	Upper
122	100		
107	114.3	92.2	138.2
121	57.7	45.8	68.6



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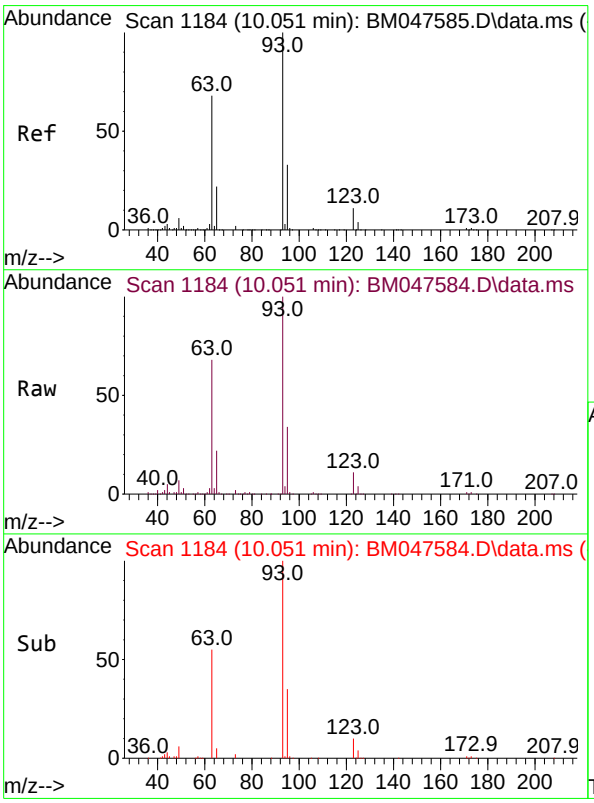
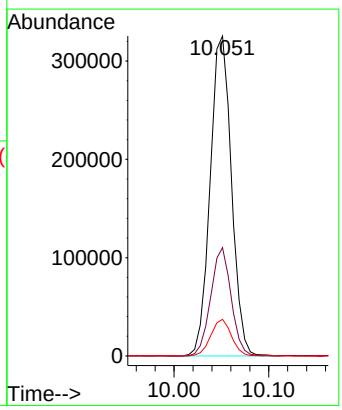
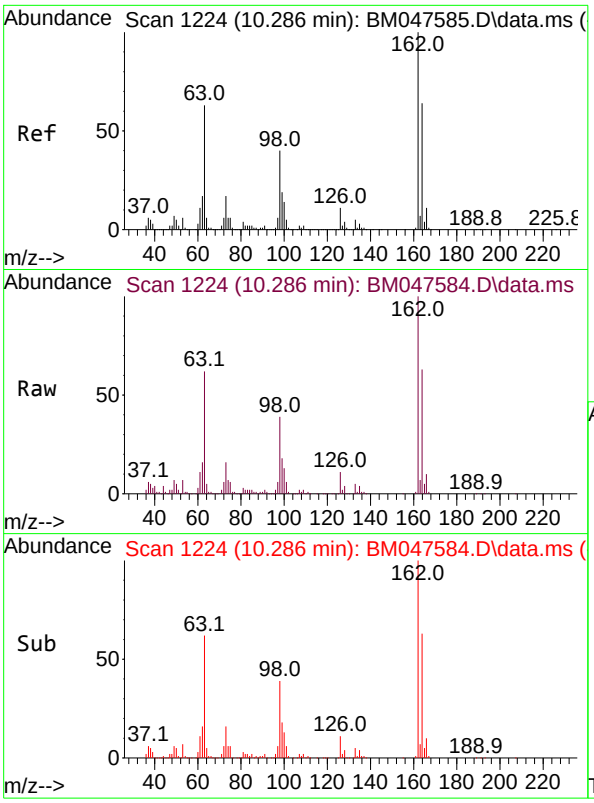


#28
bis(2-Chloroethoxy)methane
Concen: 20.319 ng
RT: 10.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 93 Resp: 508540

Ion	Ratio	Lower	Upper
93	100		
95	33.8	26.2	39.4
123	11.5	9.0	13.4

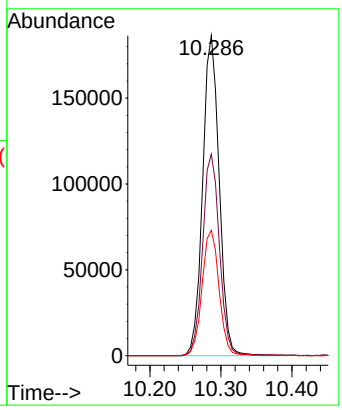




#29
2,4-Dichlorophenol
Concen: 19.860 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:162 Resp: 30254

Ion	Ratio	Lower	Upper
162	100		
164	63.0	43.9	83.9
98	39.2	20.3	60.3



Instrument :
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ClientSampleId :
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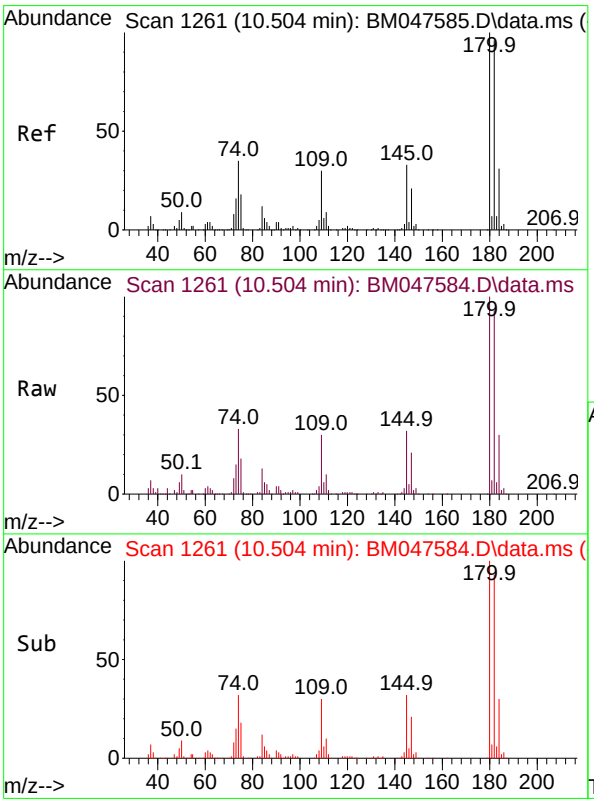
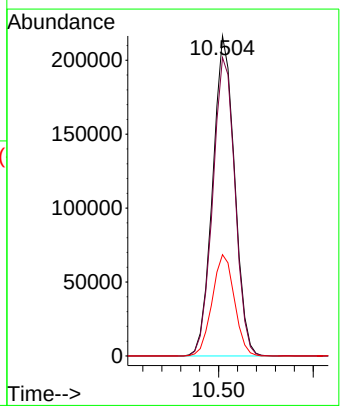
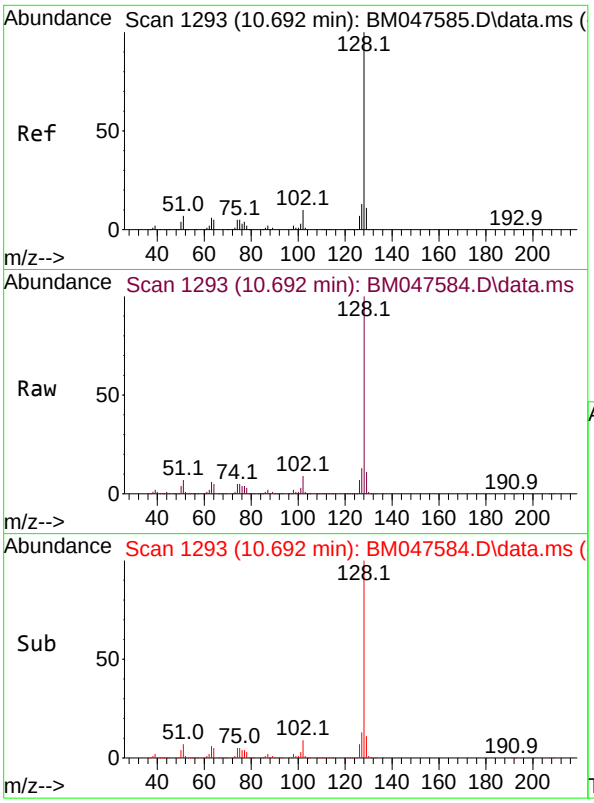


#30
1,2,4-Trichlorobenzene
Concen: 20.027 ng
RT: 10.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:180 Resp: 347728

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.6	115.0
145	31.6	26.2	39.2

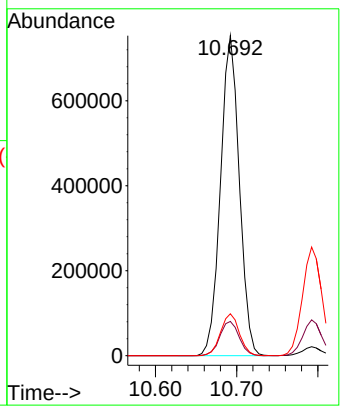




#31
Naphthalene
Concen: 19.804 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:128 Resp: 121419

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.1	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
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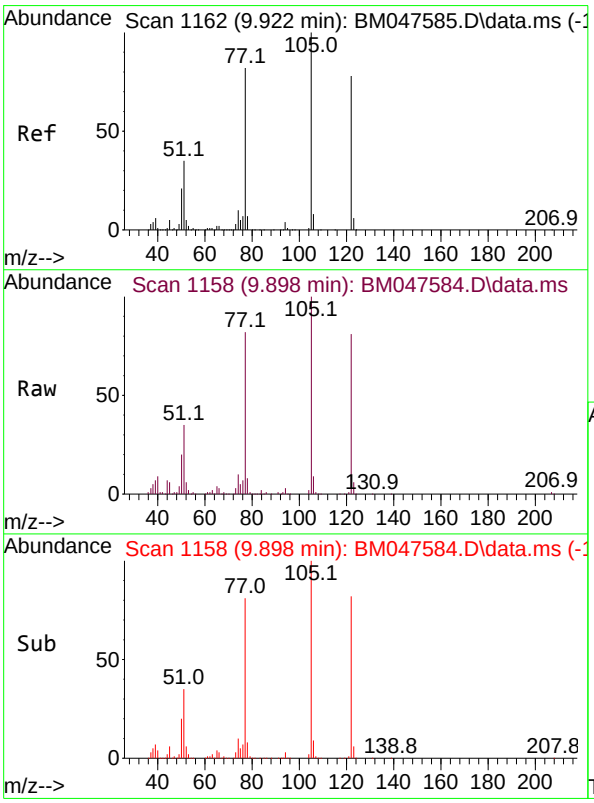
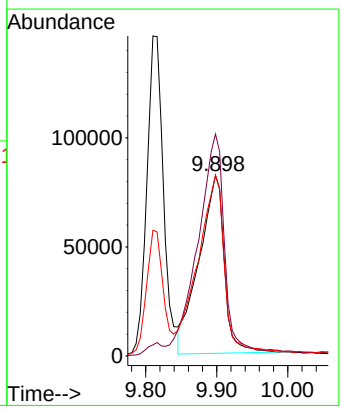
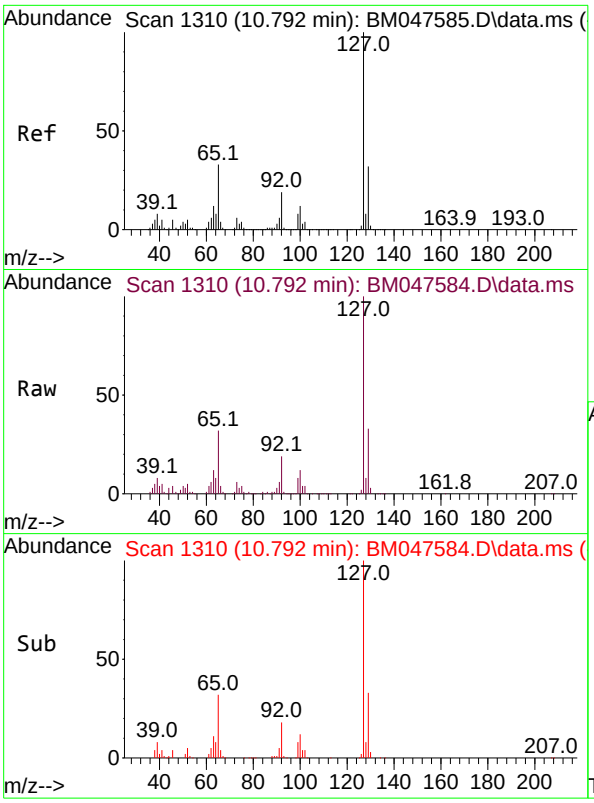


#32
Benzoic acid
Concen: 17.901 ng
RT: 9.898 min Scan# 1158
Delta R.T. -0.023 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:122 Resp: 201336

Ion	Ratio	Lower	Upper
122	100		
105	122.9	103.1	143.1
77	100.3	82.4	122.4

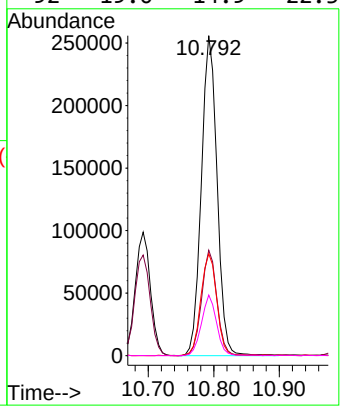




#33
4-Chloroaniline
Concen: 19.825 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:127 Resp: 42852

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.6	38.4
65	31.9	26.1	39.1
92	19.0	14.9	22.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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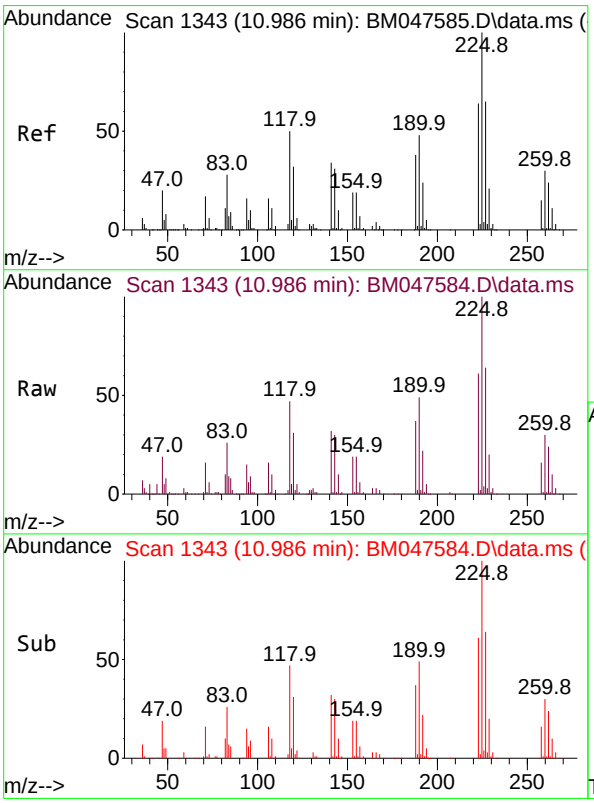
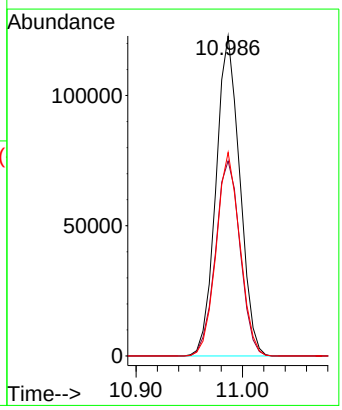
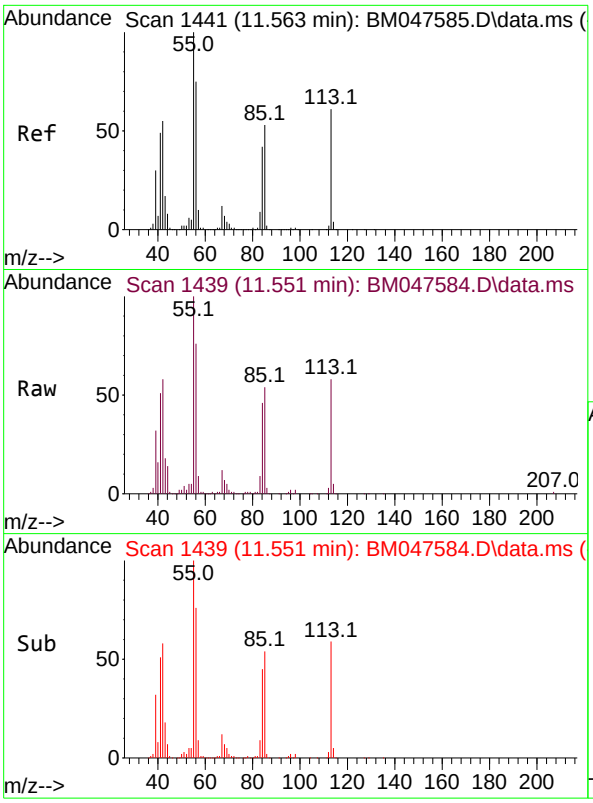


#34
Hexachlorobutadiene
Concen: 20.149 ng
RT: 10.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:225 Resp: 190387

Ion	Ratio	Lower	Upper
225	100		
223	60.9	51.4	77.0
227	63.6	52.1	78.1

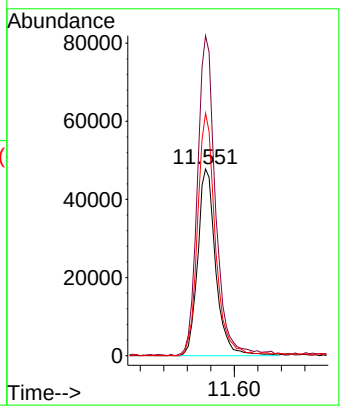




#35
Caprolactam
Concen: 19.205 ng
RT: 11.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:113 Resp: 10112

Ion	Ratio	Lower	Upper
113	100		
55	171.3	145.5	185.5
56	129.8	103.9	143.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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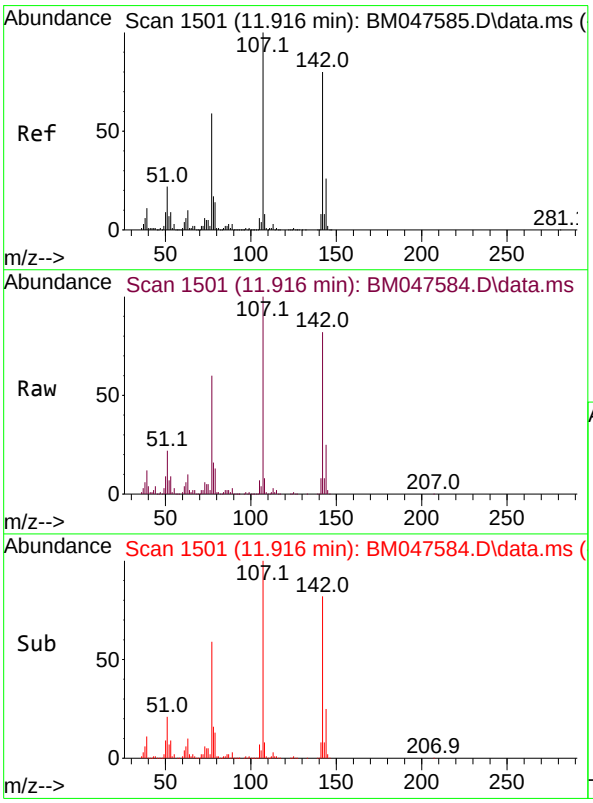
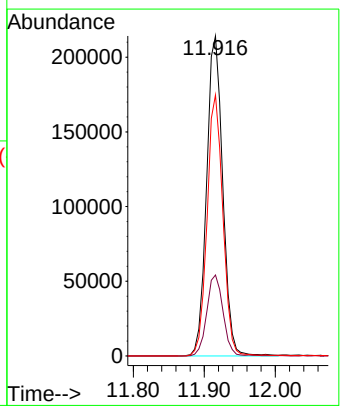
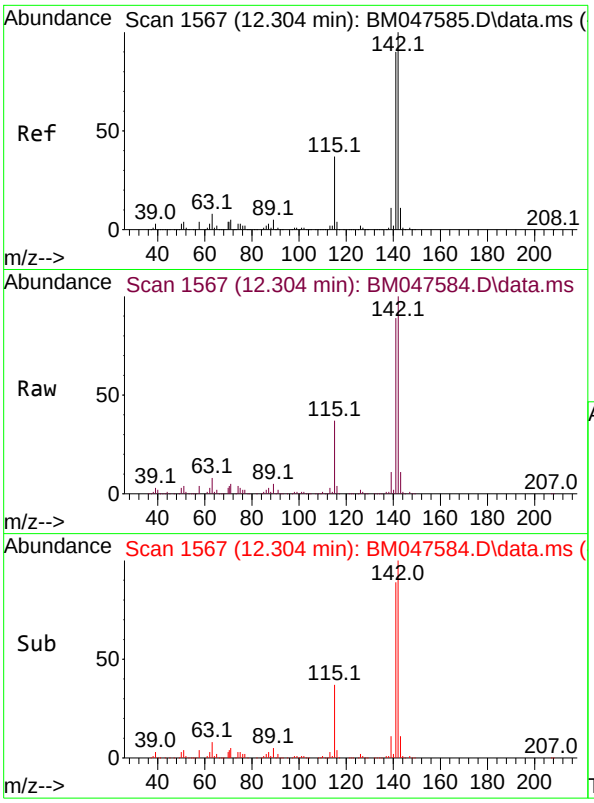


#36
4-Chloro-3-methylphenol
Concen: 19.461 ng
RT: 11.916 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:107 Resp: 338243

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.7	31.1
142	81.6	63.9	95.9

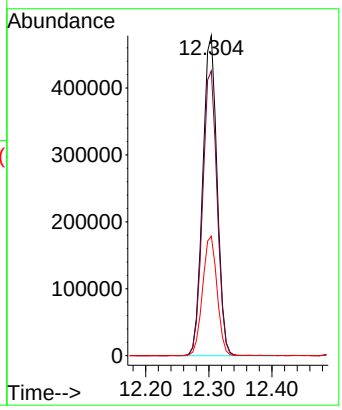




#37
2-Methylnaphthalene
Concen: 19.655 ng
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:142 Resp: 75709

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.7	107.5
115	37.3	29.5	44.3



Instrument :
BNA_M
ClientSampleId :
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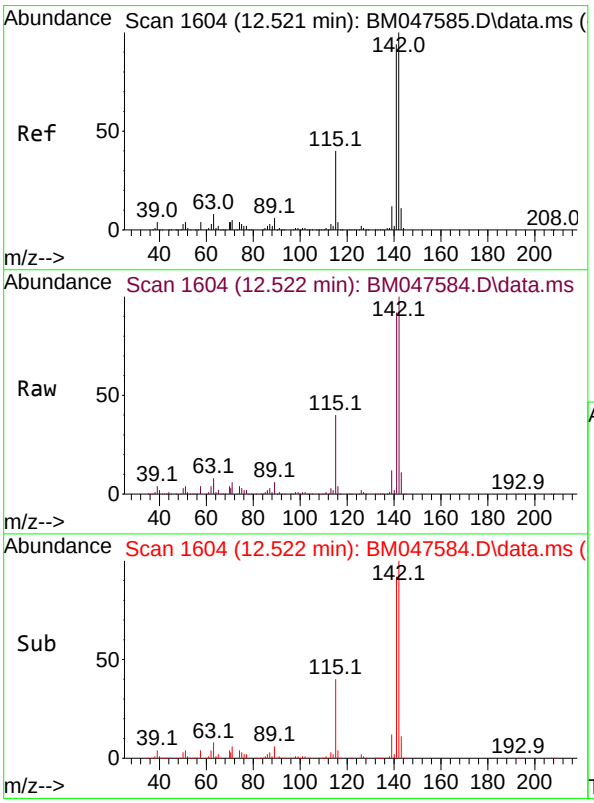
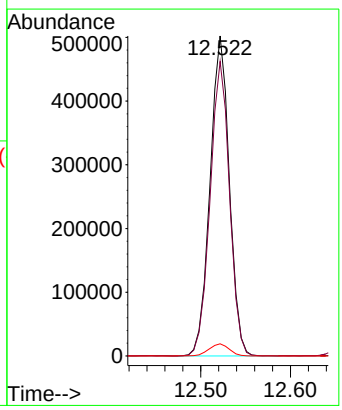
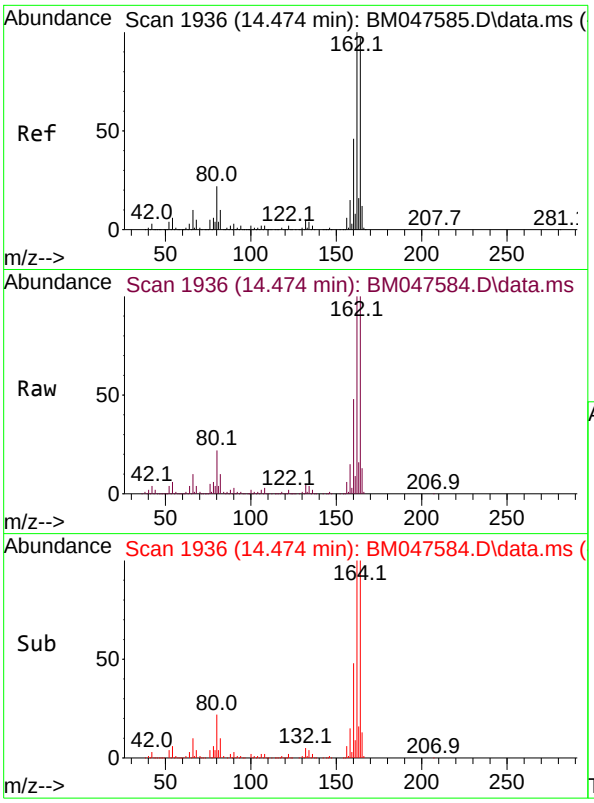


#38
1-Methylnaphthalene
Concen: 19.625 ng
RT: 12.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:142 Resp: 749928

Ion	Ratio	Lower	Upper
142	100		
141	92.0	75.3	112.9
116	3.8	3.0	4.4

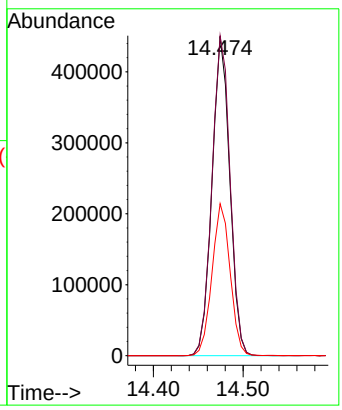




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:164 Resp: 61695

Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.6	123.8
160	47.6	37.8	56.6



Instrument :
BNA_M
ClientSampleId :
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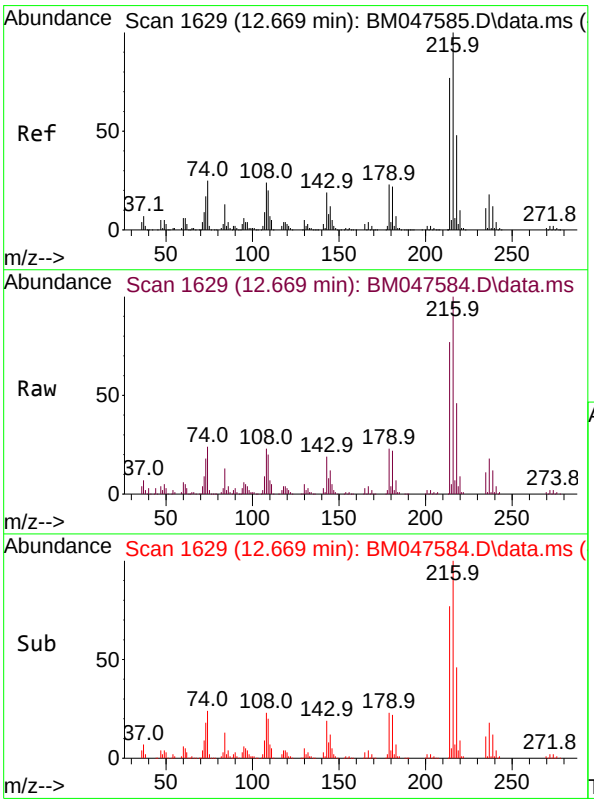
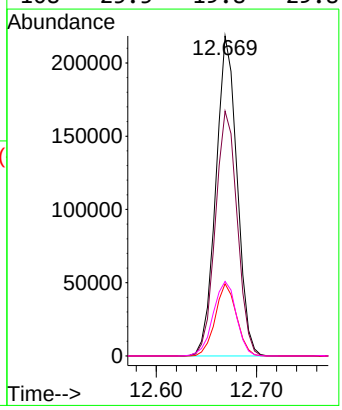
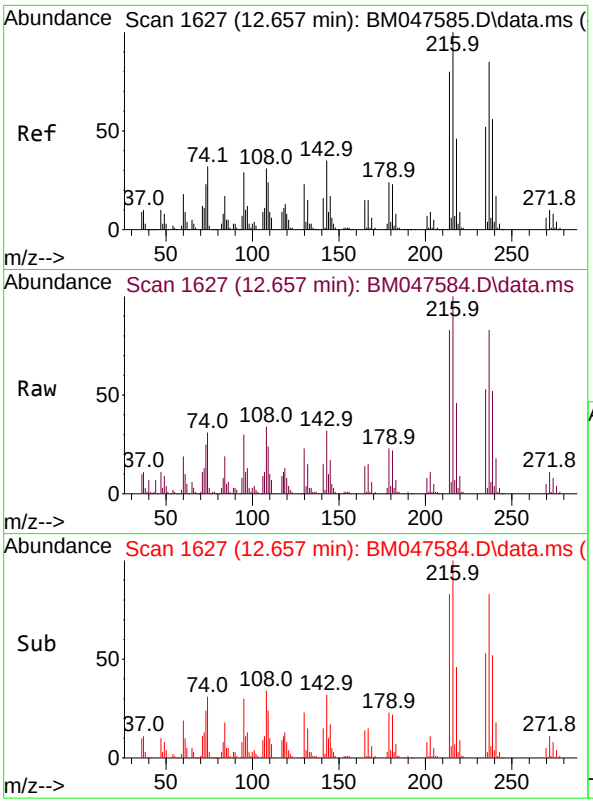


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.677 ng
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:216 Resp: 320358

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.8	94.2
179	22.6	18.5	27.7
108	25.5	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 19.923 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 10709

Ion	Ratio	Lower	Upper
237	100		
235	64.5	41.2	81.2
272	12.8	0.0	32.0

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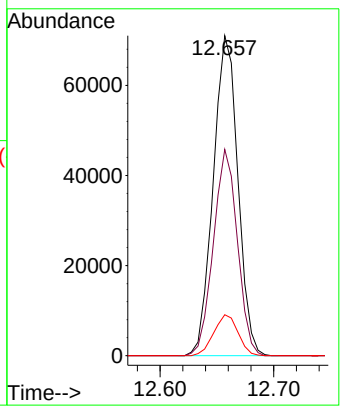
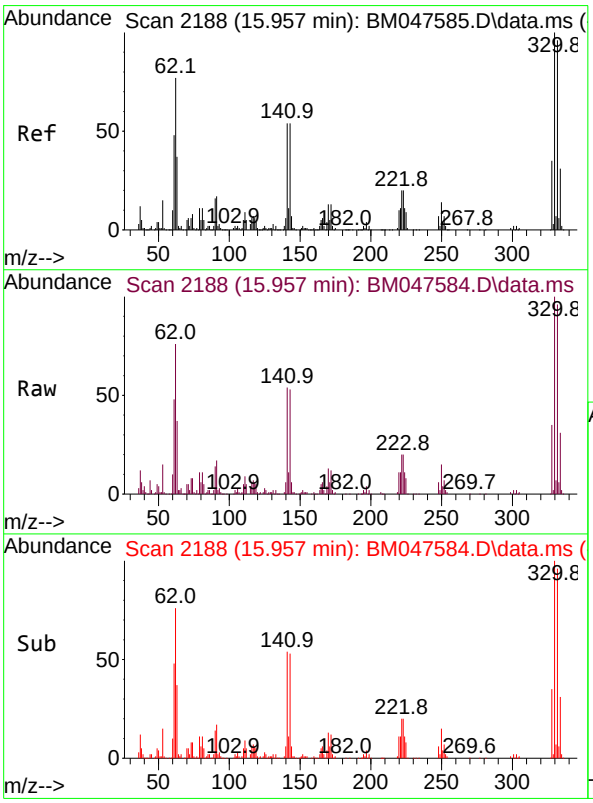
Supervised By :mohammad ahmed 09/24/2024

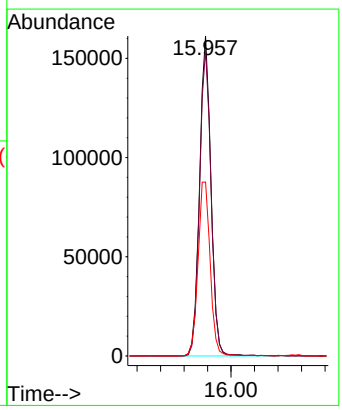


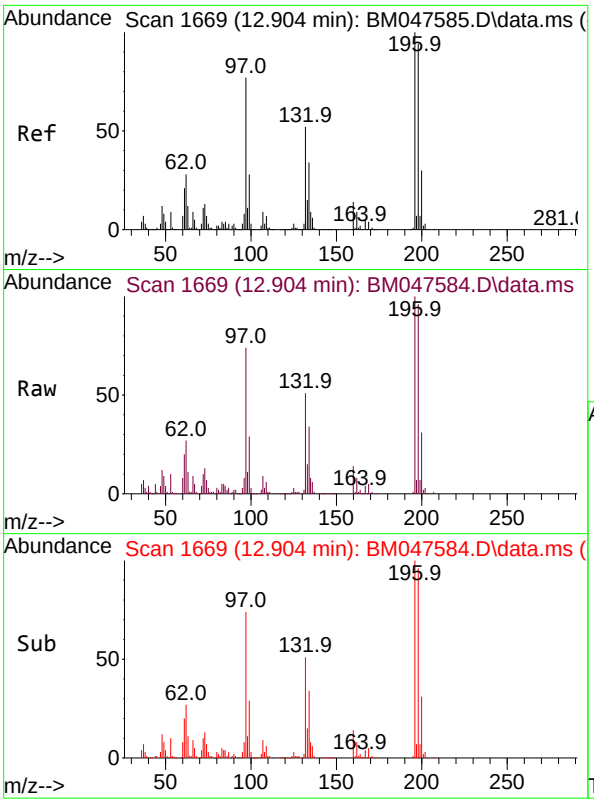


#42
2,4,6-Tribromophenol
Concen: 38.014 ng
RT: 15.957 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:330 Resp: 217166

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.4
141	58.0	45.9	68.9





#43
2,4,6-Trichlorophenol
Concen: 19.633 ng
RT: 12.904 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:196 Resp: 20774

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.5	113.3
200	30.5	24.3	36.5

Instrument :
BNA_M
ClientSampleId :
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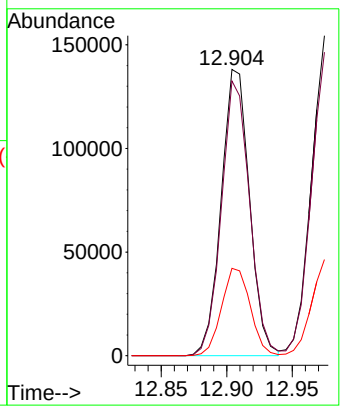
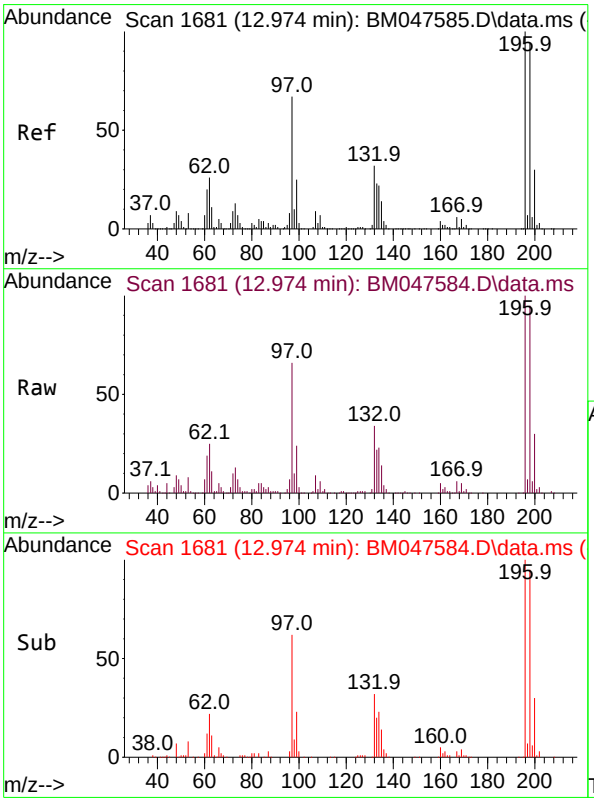
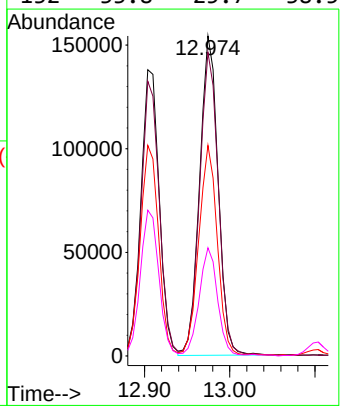


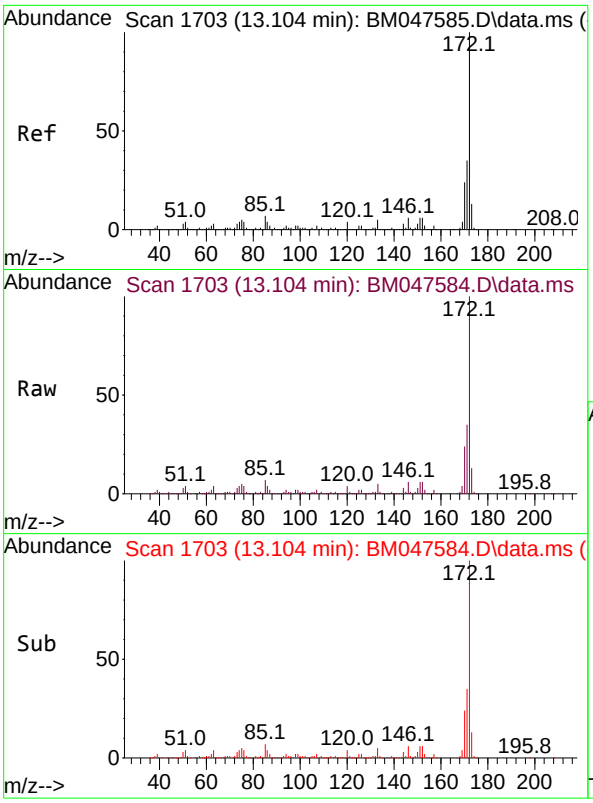


#44
2,4,5-Trichlorophenol
Concen: 19.583 ng
RT: 12.974 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:196 Resp: 232915

Ion	Ratio	Lower	Upper
196	100		
198	94.9	75.5	113.3
97	65.8	53.5	80.3
132	33.8	25.7	38.5

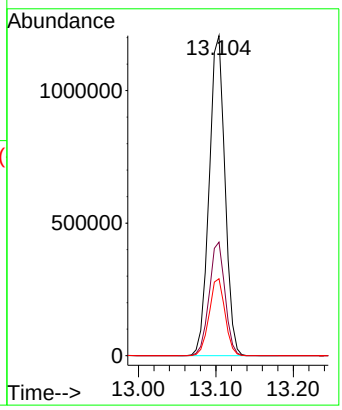




#45
2-Fluorobiphenyl
Concen: 39.120 ng
RT: 13.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:172 Resp: 170568

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	24.1	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
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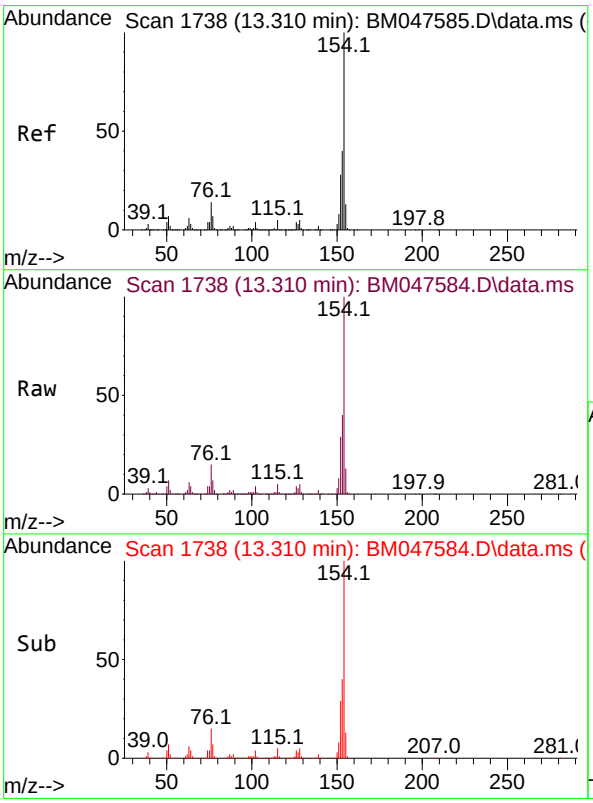
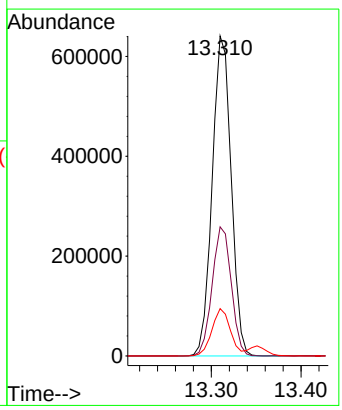
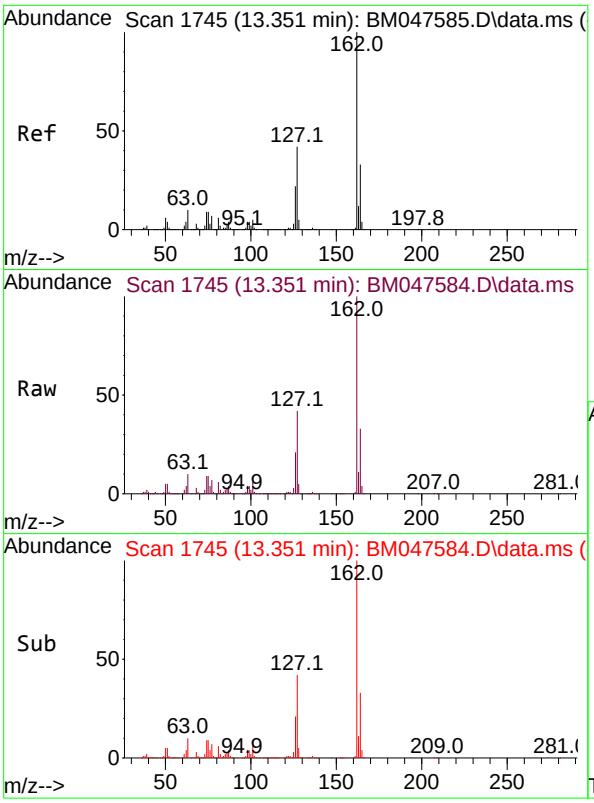


#46
1,1'-Biphenyl
Concen: 19.741 ng
RT: 13.310 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:154 Resp: 940567

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.9	59.9
76	14.8	0.0	34.5

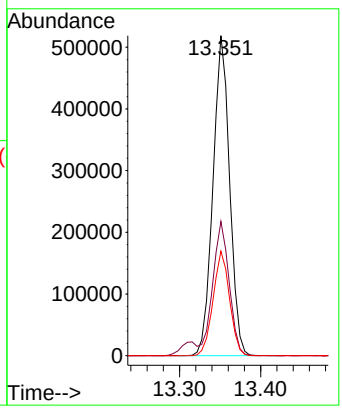




#47
2-Chloronaphthalene
Concen: 19.837 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:162 Resp: 73955

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.8	50.6
164	32.7	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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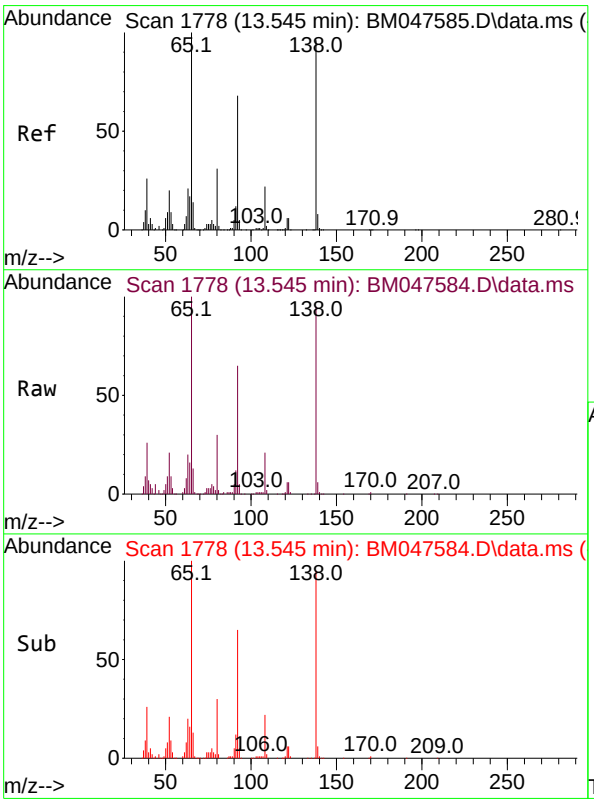
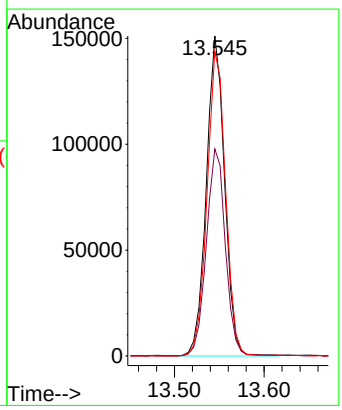
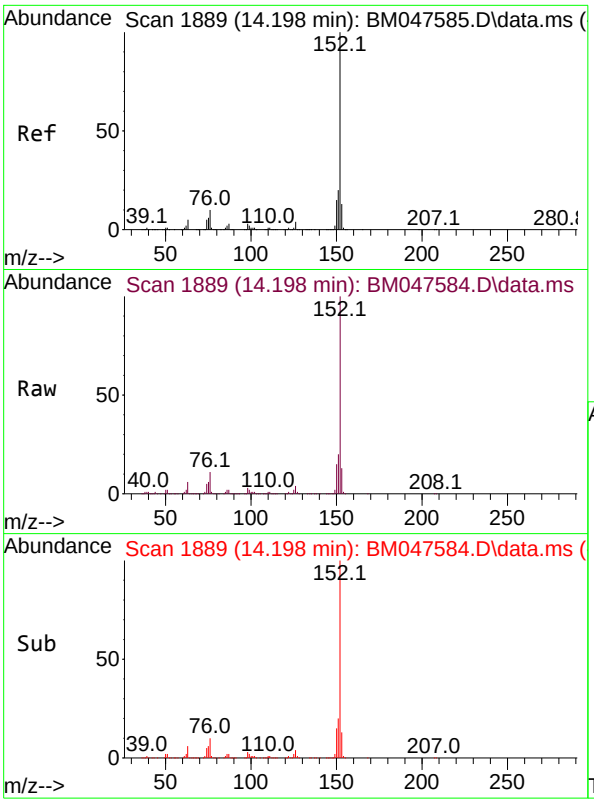


#48
2-Nitroaniline
Concen: 19.216 ng
RT: 13.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 65 Resp: 213967

Ion	Ratio	Lower	Upper
65	100		
92	64.7	54.2	81.4
138	95.2	76.6	114.8

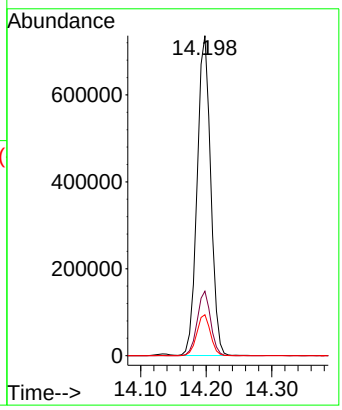




#49
Acenaphthylene
Concen: 19.779 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:152 Resp: 106113

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.8	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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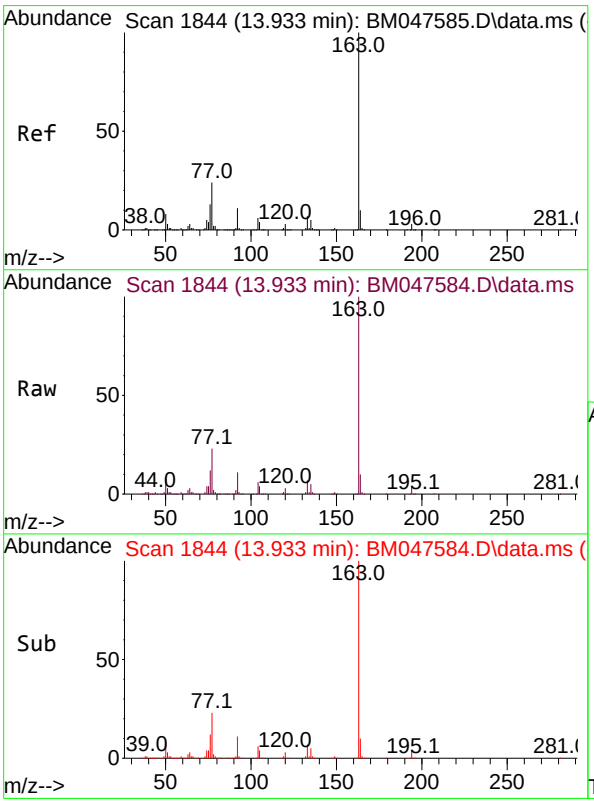
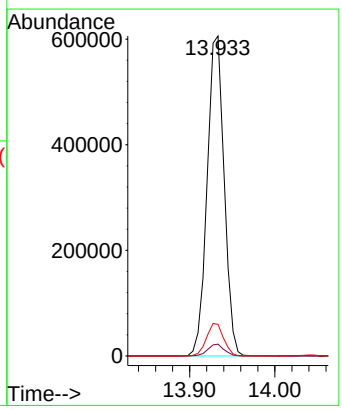
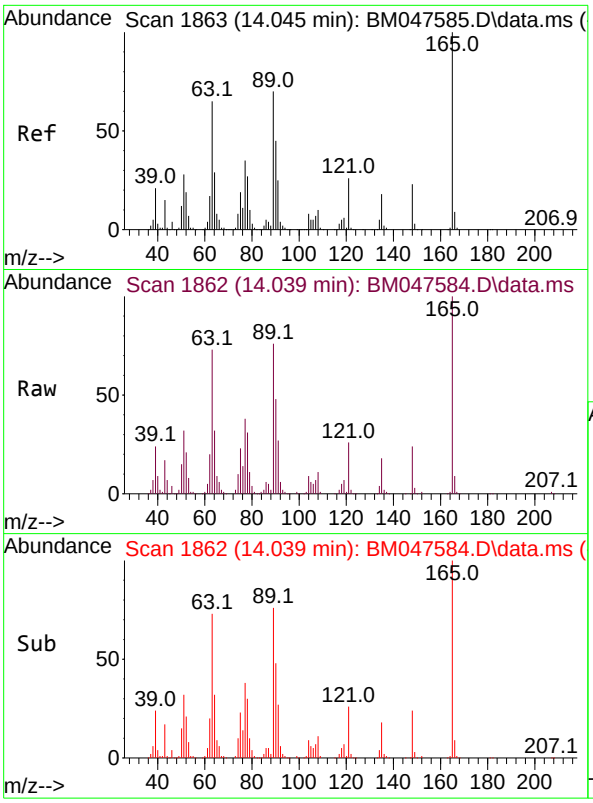


#50
Dimethylphthalate
Concen: 19.759 ng
RT: 13.933 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:163 Resp: 841700

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.9	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 19.685 ng
RT: 14.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:165 Resp: 17568

Ion	Ratio	Lower	Upper
165	100		
63	73.3	53.0	79.6
89	75.8	56.4	84.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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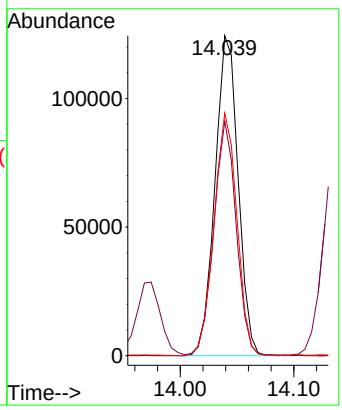
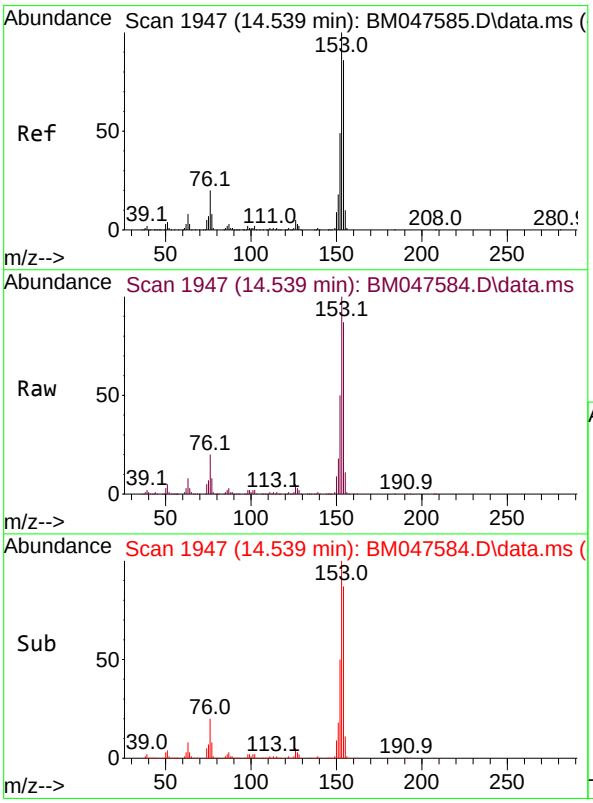
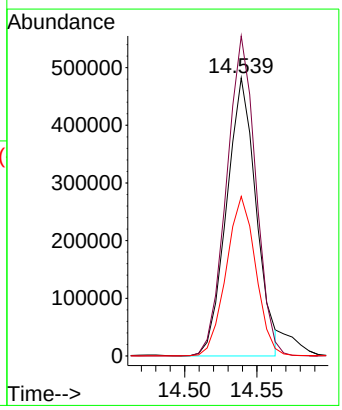


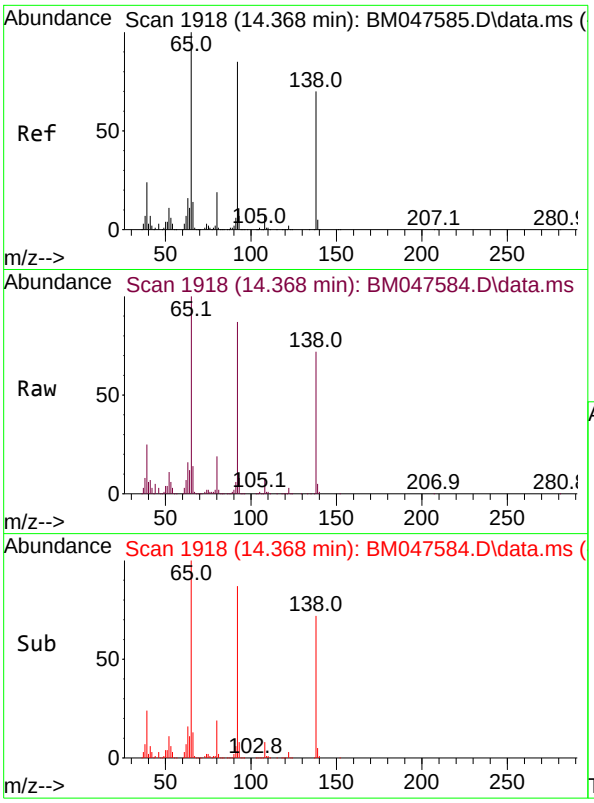


#52
Acenaphthene
Concen: 19.307 ng m
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:154 Resp: 684453

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.8	139.2
152	57.3	45.7	68.5





#53
3-Nitroaniline
Concen: 19.493 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:138 Resp: 19952

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	122.0	97.0	145.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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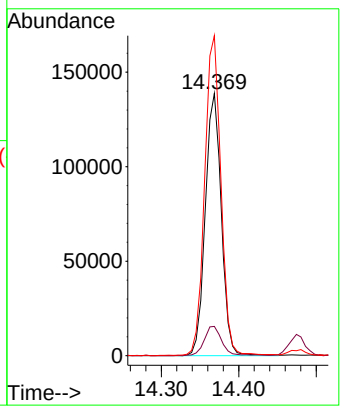
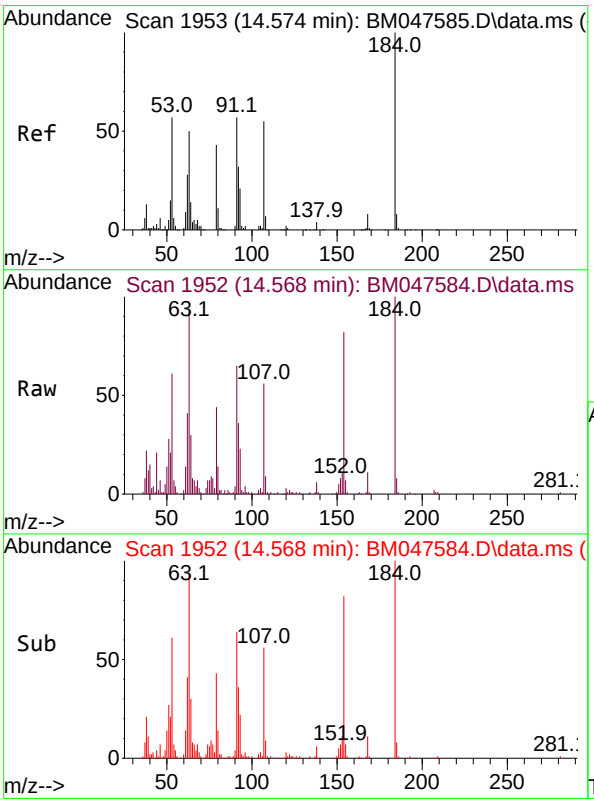
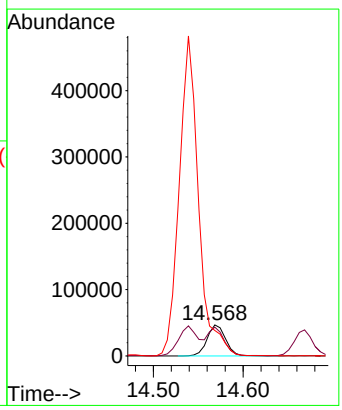


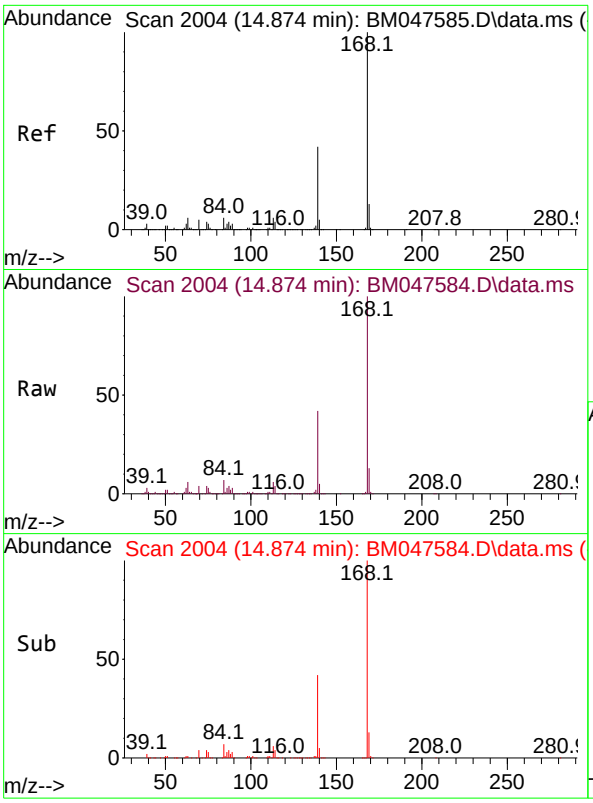


#54
2,4-Dinitrophenol
Concen: 16.541 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:184 Resp: 66924

Ion	Ratio	Lower	Upper
184	100		
63	92.8	69.0	103.6
154	81.9	59.7	89.5

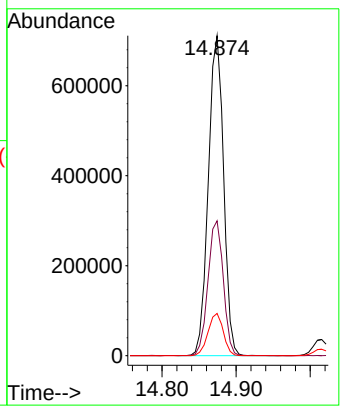




#55
Dibenzofuran
Concen: 19.626 ng
RT: 14.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:168 Resp: 101650

Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.4	50.2
169	13.2	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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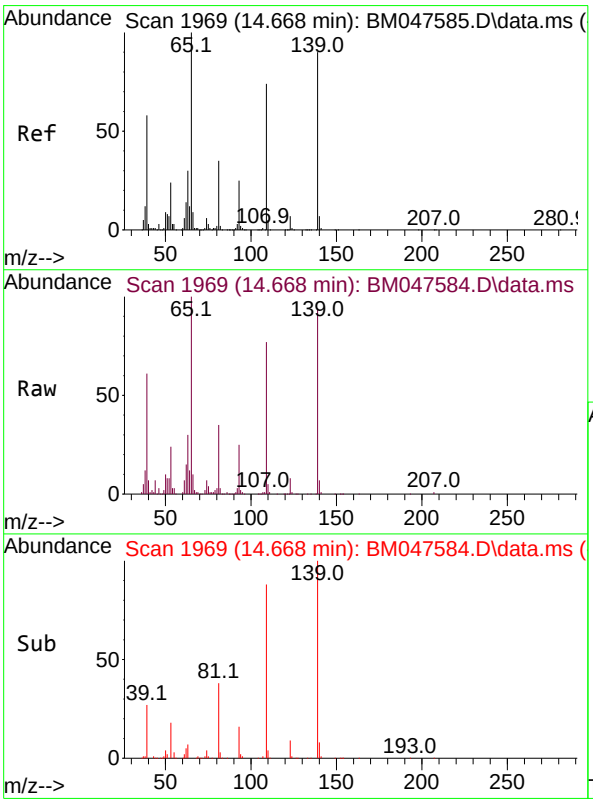
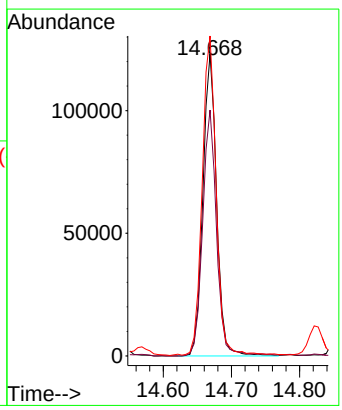
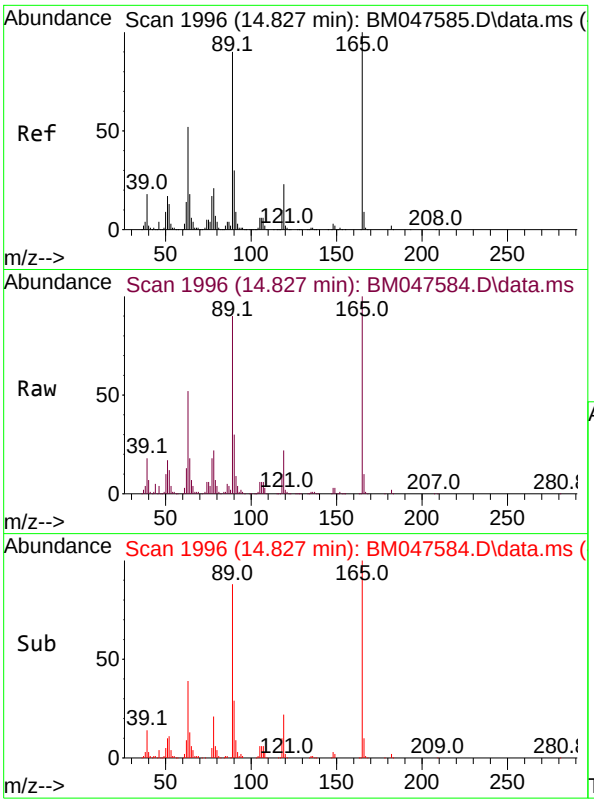


#56
4-Nitrophenol
Concen: 19.632 ng
RT: 14.668 min Scan# 1969
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:139 Resp: 172198

Ion	Ratio	Lower	Upper
139	100		
109	81.4	63.1	103.1
65	106.0	91.8	131.8

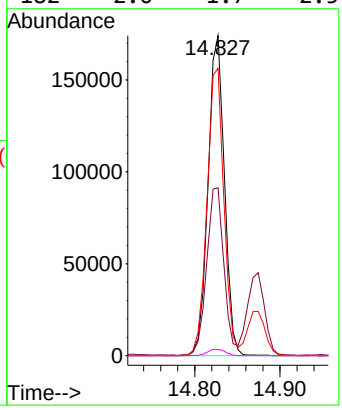




#57
2,4-Dinitrotoluene
Concen: 19.524 ng
RT: 14.827 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:165 Resp: 23218

Ion	Ratio	Lower	Upper
165	100		
63	52.5	41.6	62.4
89	89.8	71.7	107.5
182	2.0	1.7	2.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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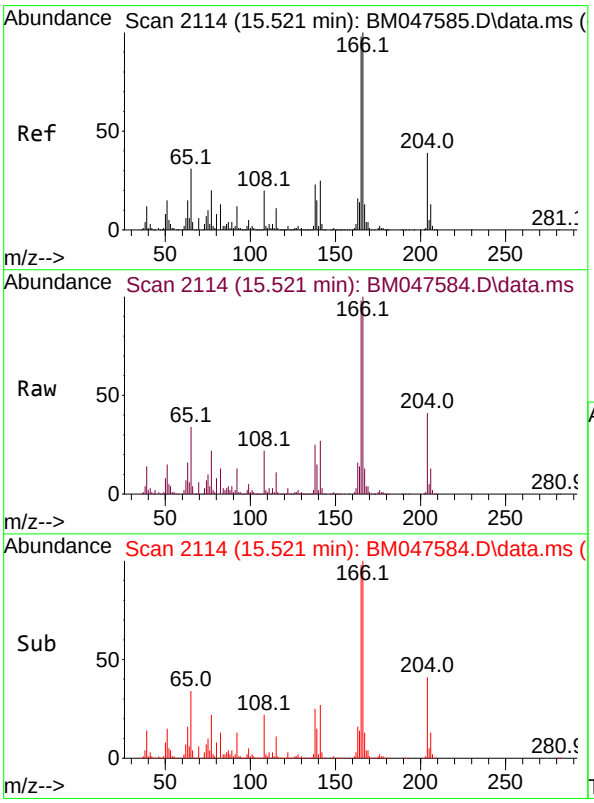
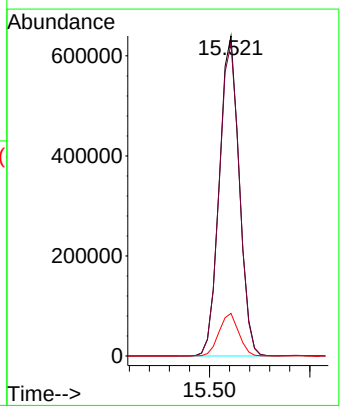
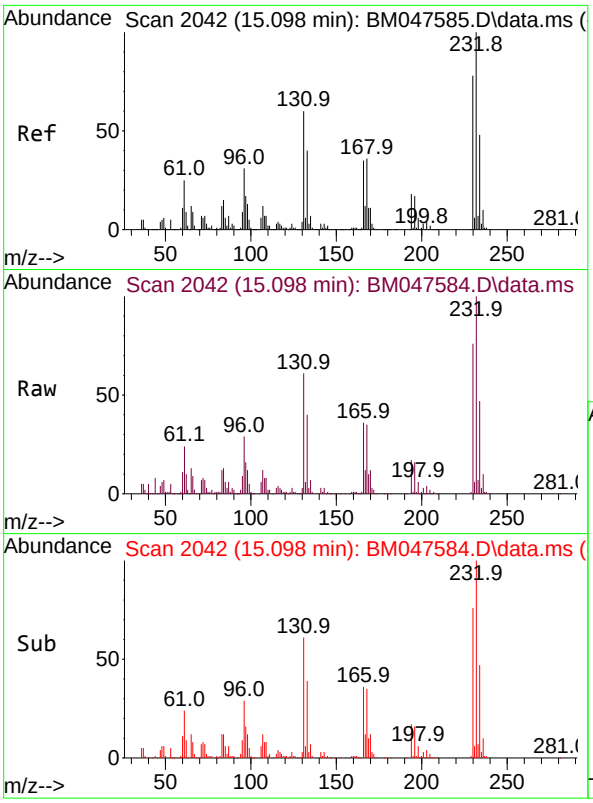


#58
Fluorene
Concen: 19.157 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:166 Resp: 878154

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.4	117.6
167	13.3	10.5	15.7

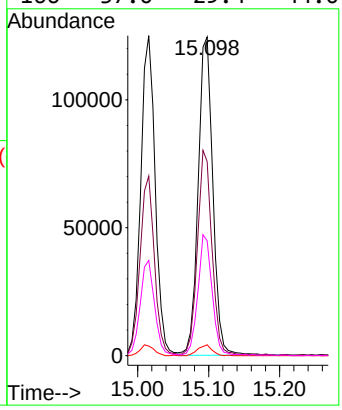




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.723 ng
RT: 15.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:232 Resp: 179309

Ion	Ratio	Lower	Upper
232	100		
131	64.5	50.3	75.5
130	3.3	3.0	4.4
166	37.0	29.4	44.0



Instrument :
BNA_M
ClientSampleId :
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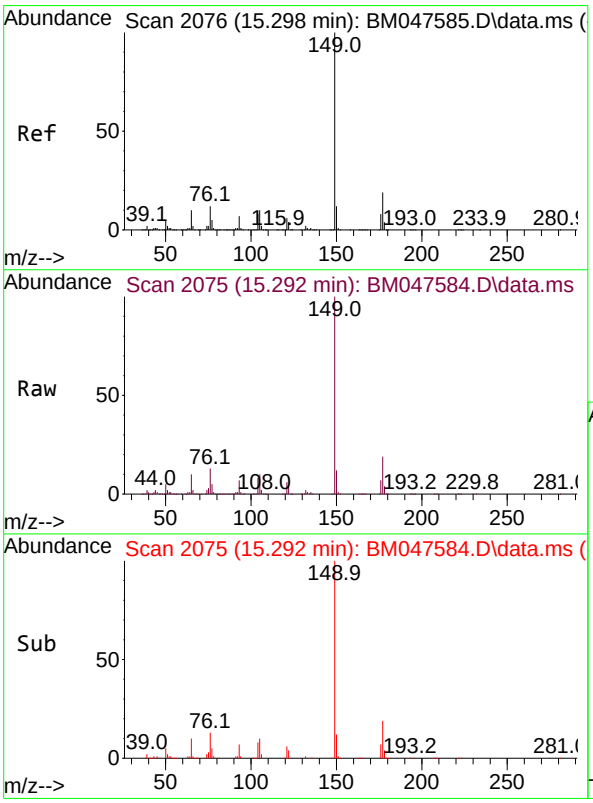
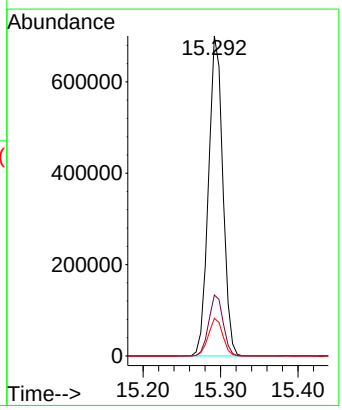
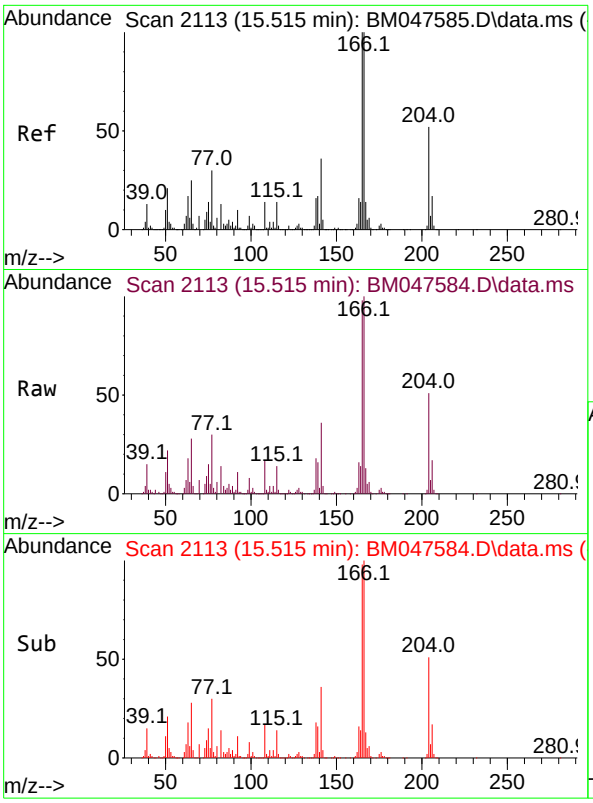


#60
Diethylphthalate
Concen: 19.800 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:149 Resp: 899188

Ion	Ratio	Lower	Upper
149	100		
177	19.1	15.4	23.0
150	11.8	9.4	14.0





#61
4-Chlorophenyl-phenylether
Concen: 19.357 ng
RT: 15.515 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 38771

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.2
141	71.1	55.3	82.9

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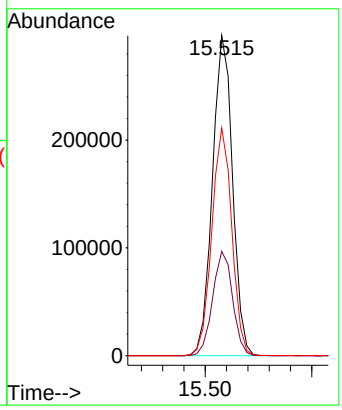
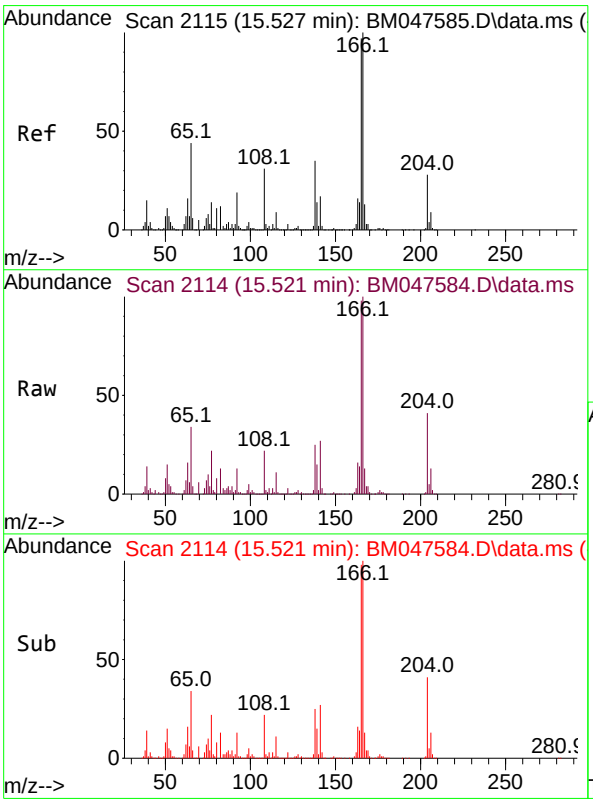
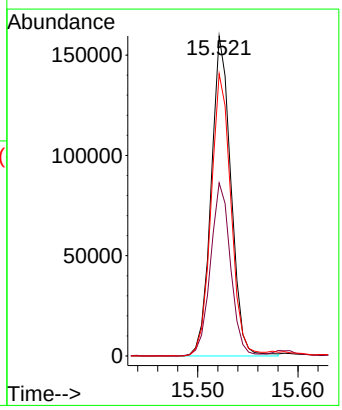


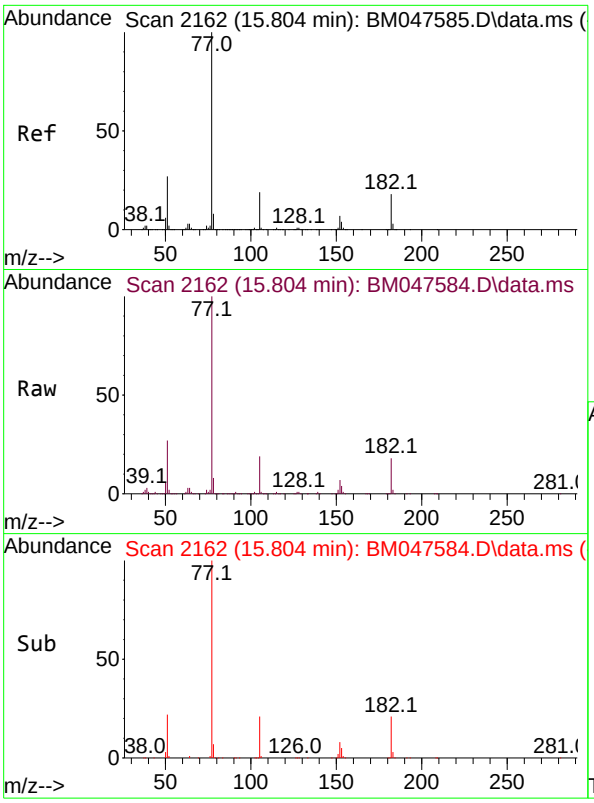


#62
4-Nitroaniline
Concen: 18.927 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:138 Resp: 218286

Ion	Ratio	Lower	Upper
138	100		
92	54.1	33.3	73.3
108	88.2	66.2	106.2

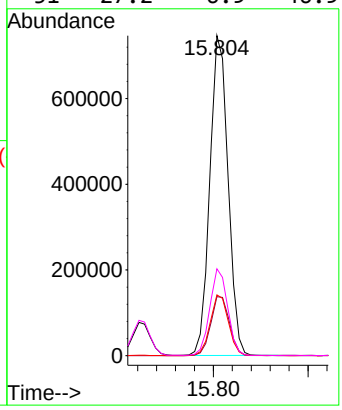




#63
Azobenzene
Concen: 20.034 ng
RT: 15.804 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion: 77 Resp: 99464

Ion	Ratio	Lower	Upper
77	100		
182	18.5	0.0	38.2
105	19.0	0.0	38.8
51	27.2	6.9	46.9



Instrument :
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ClientSampleId :
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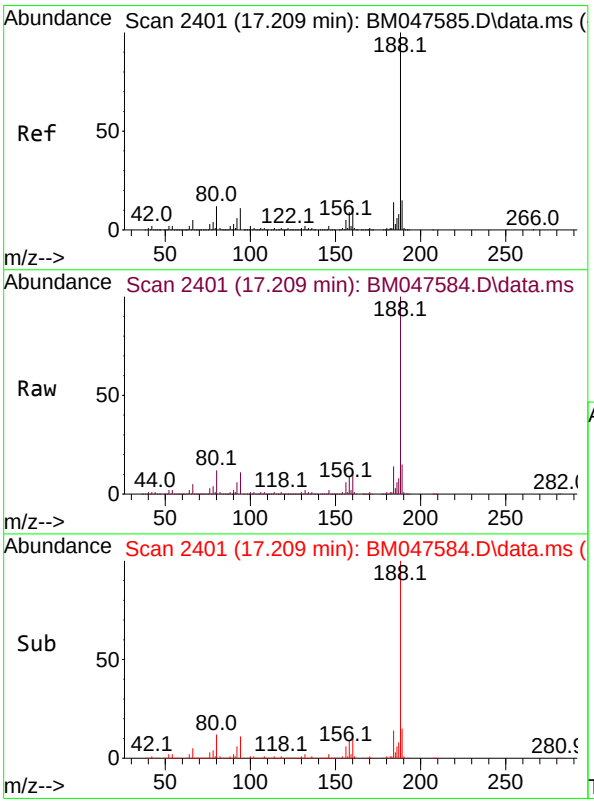
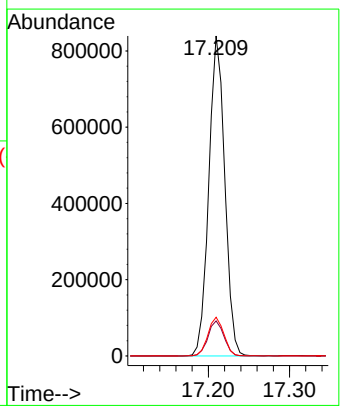
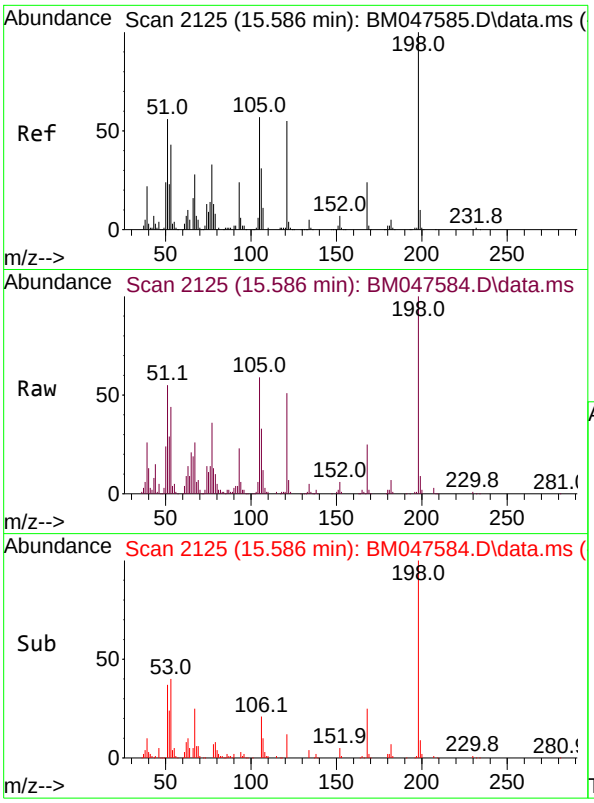


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:188 Resp: 1144500

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.9	14.9





#65
4,6-Dinitro-2-methylphenol
Concen: 17.850 ng
RT: 15.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:198 Resp: 9680

Ion	Ratio	Lower	Upper
198	100		
51	55.1	38.2	78.2
105	59.3	38.0	78.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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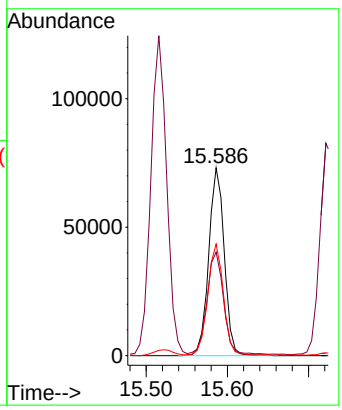
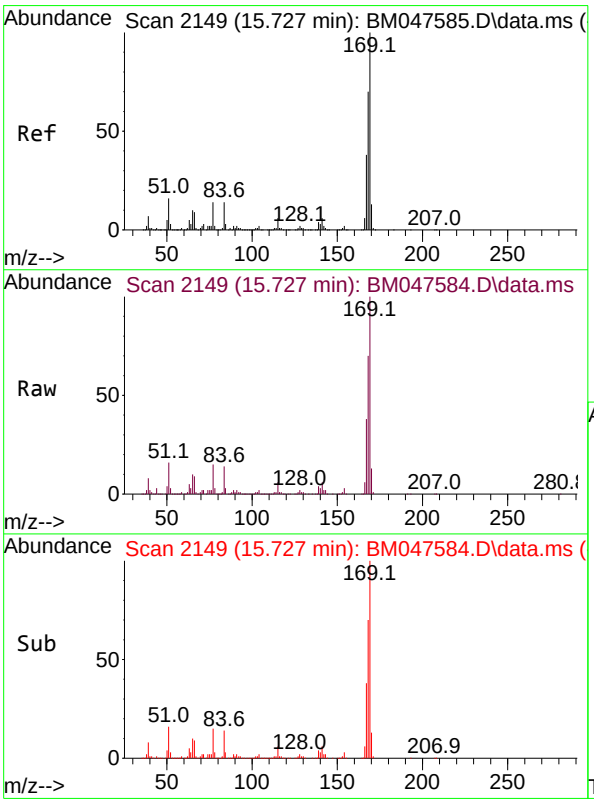
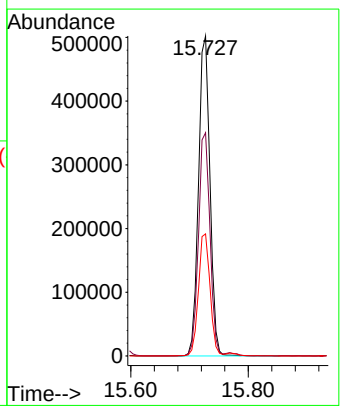


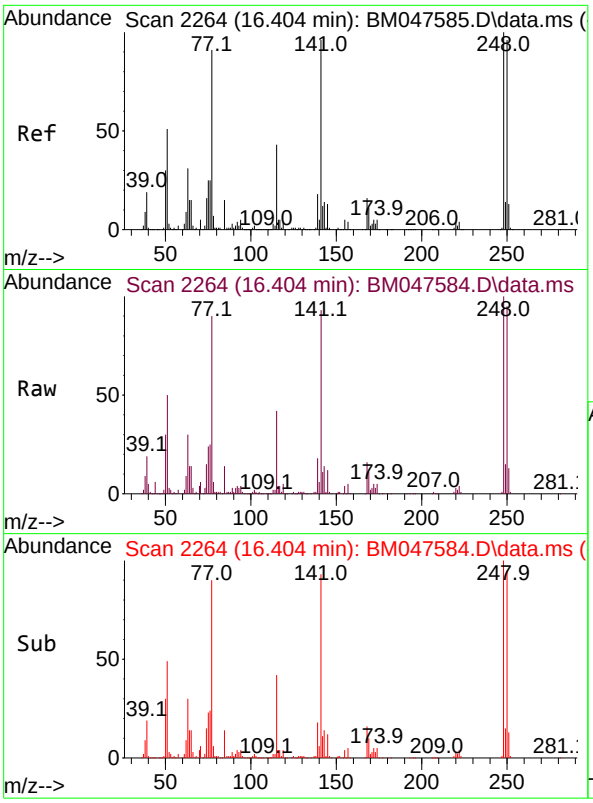


#66
n-Nitrosodiphenylamine
Concen: 19.803 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:169 Resp: 676937

Ion	Ratio	Lower	Upper
169	100		
168	69.8	55.8	83.8
167	38.1	30.7	46.1





#67
4-Bromophenyl-phenylether
Concen: 19.548 ng
RT: 16.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:248 Resp: 20323

Ion	Ratio	Lower	Upper
248	100		
250	94.9	76.7	115.1
141	93.2	76.7	115.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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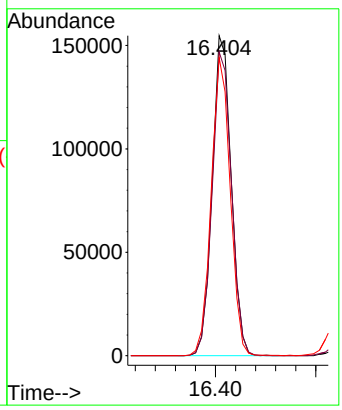
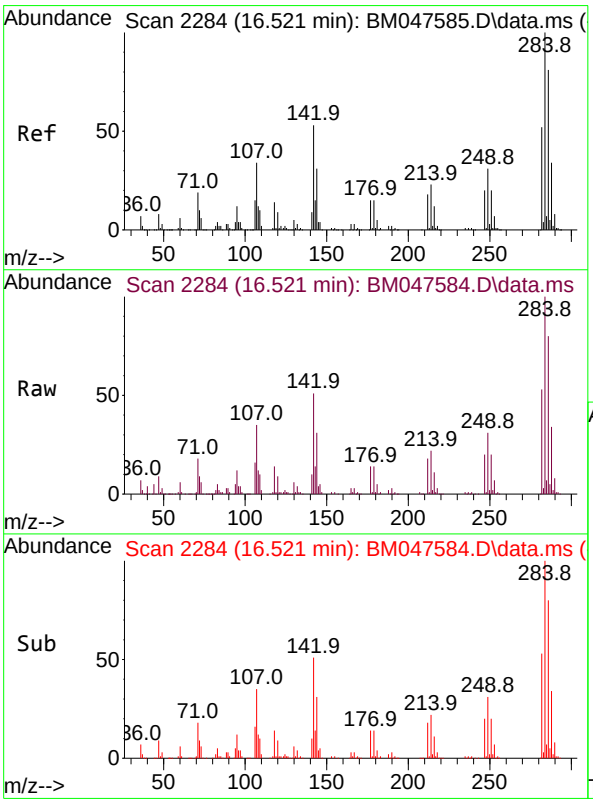
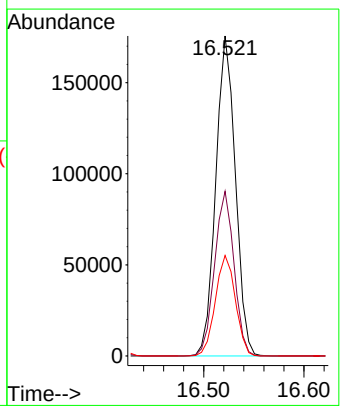


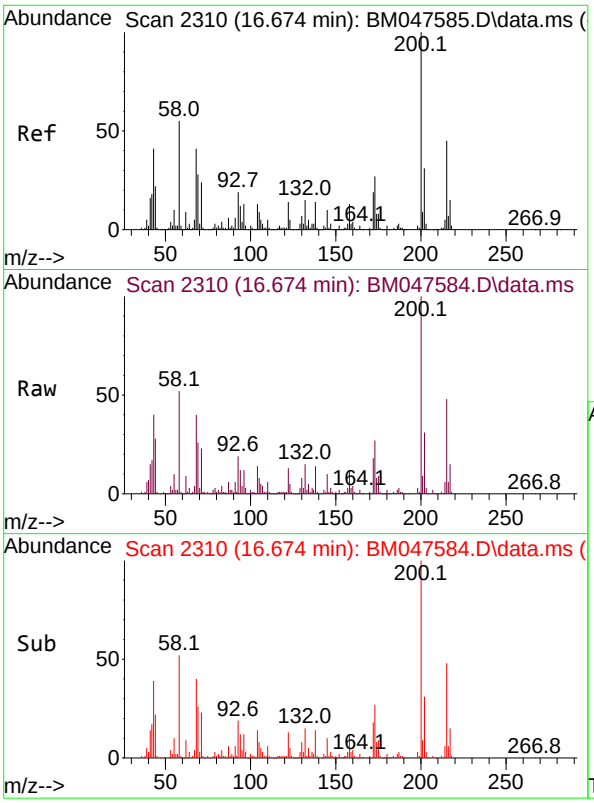


#68
Hexachlorobenzene
Concen: 19.586 ng
RT: 16.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:284 Resp: 238051

Ion	Ratio	Lower	Upper
284	100		
142	51.5	42.5	63.7
249	31.4	25.0	37.6

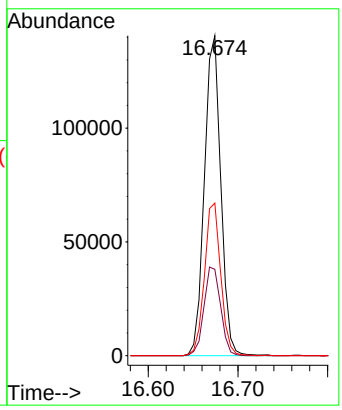




#69
Atrazine
Concen: 21.686 ng
RT: 16.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:200 Resp: 17846

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.4	47.4
215	47.7	24.5	64.5



Instrument :
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ClientSampleId :
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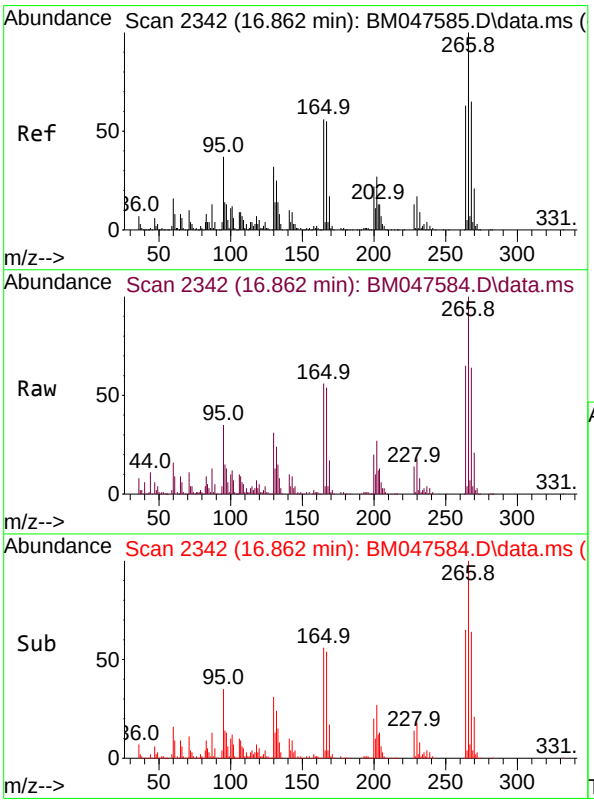
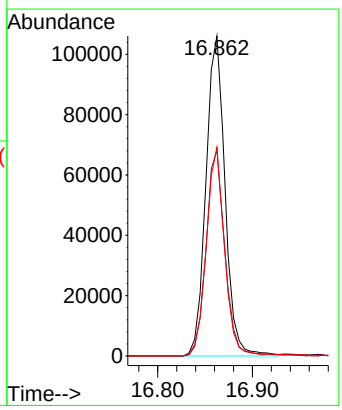
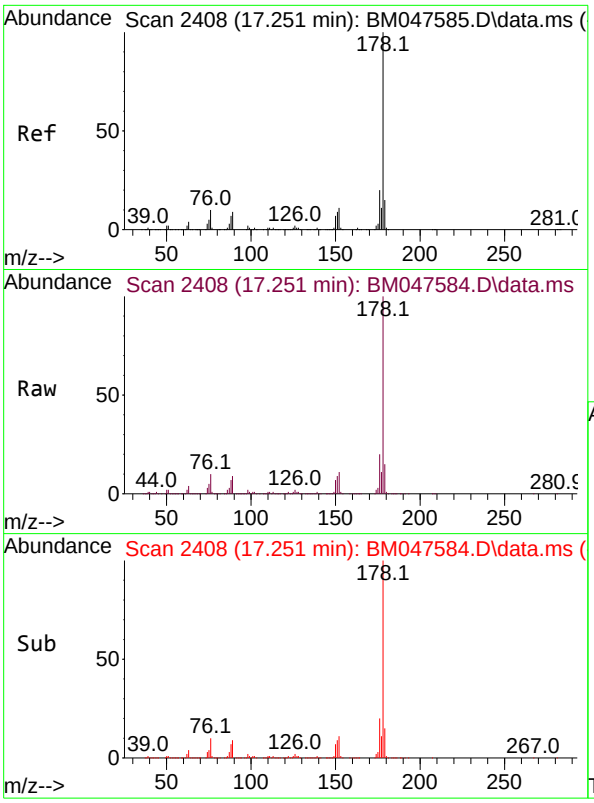


#70
Pentachlorophenol
Concen: 19.400 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:266 Resp: 147990

Ion	Ratio	Lower	Upper
266	100		
268	64.4	52.2	78.4
264	65.3	50.0	75.0

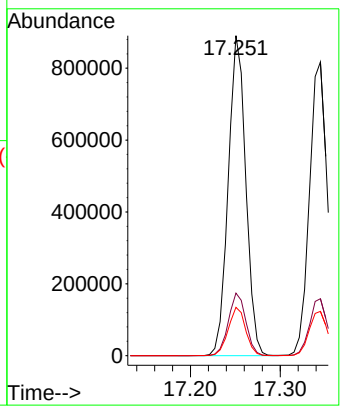




#71
Phenanthrene
Concen: 19.453 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:178 Resp: 120853

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.1	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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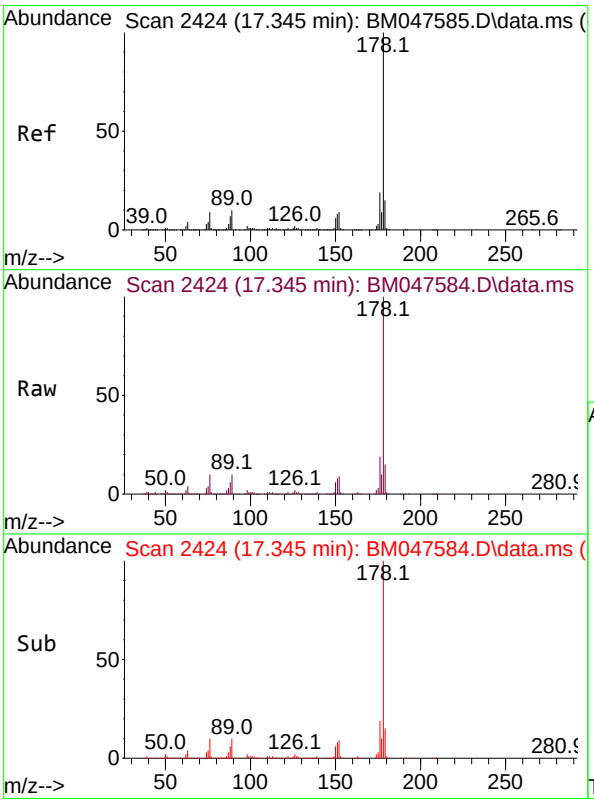
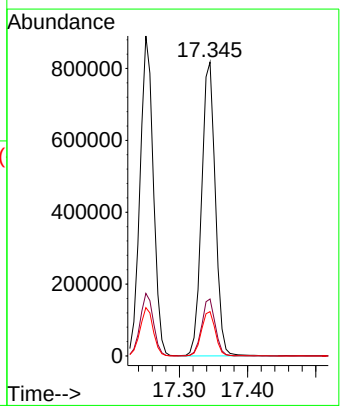
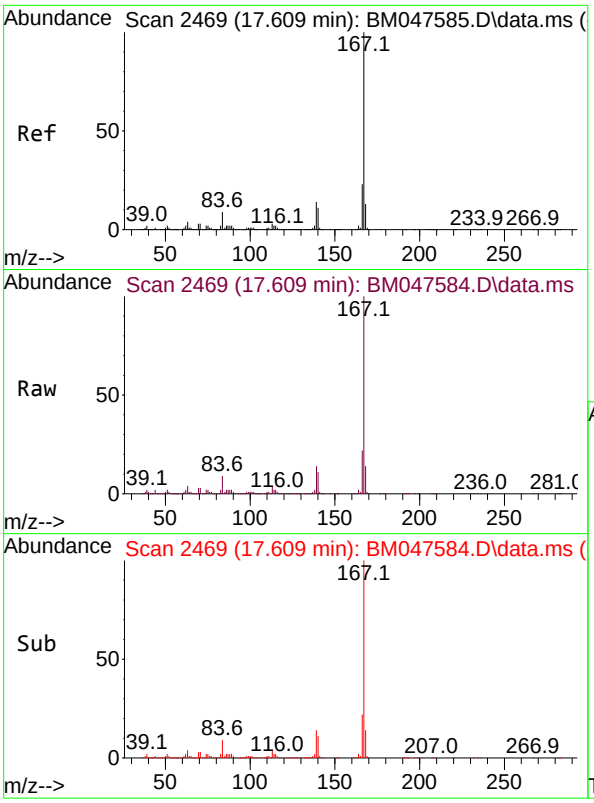


#72
Anthracene
Concen: 19.402 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:178 Resp: 1142039

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.1	12.2	18.2

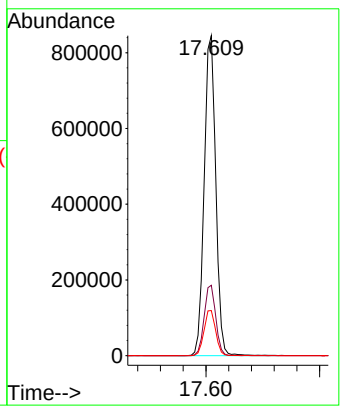




#73
Carbazole
Concen: 19.398 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:167 Resp: 118973(

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	14.1	11.3	16.9



Instrument :
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ClientSampleId :
SSTDICC020

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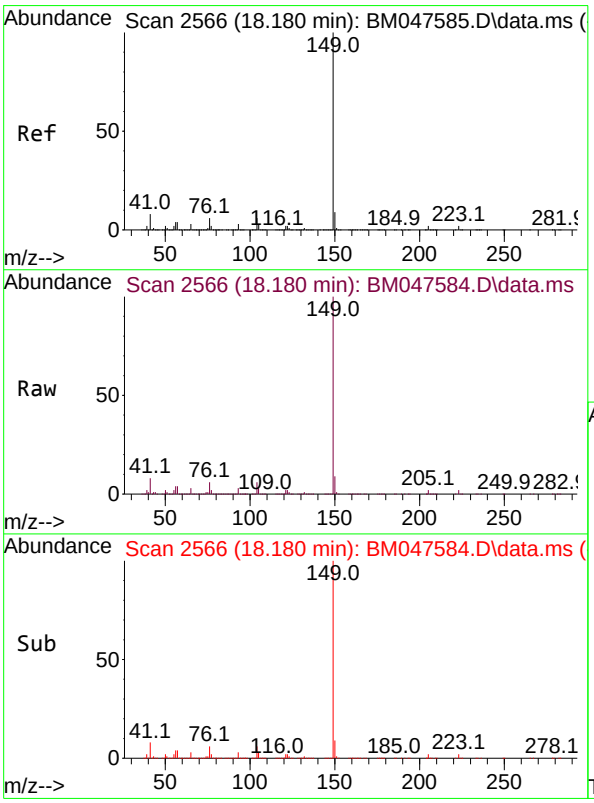
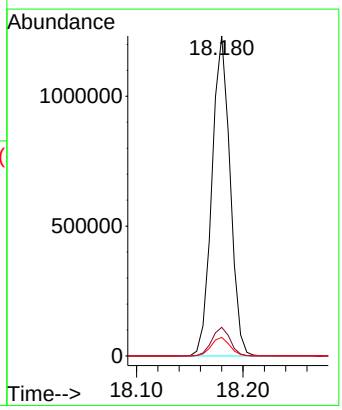
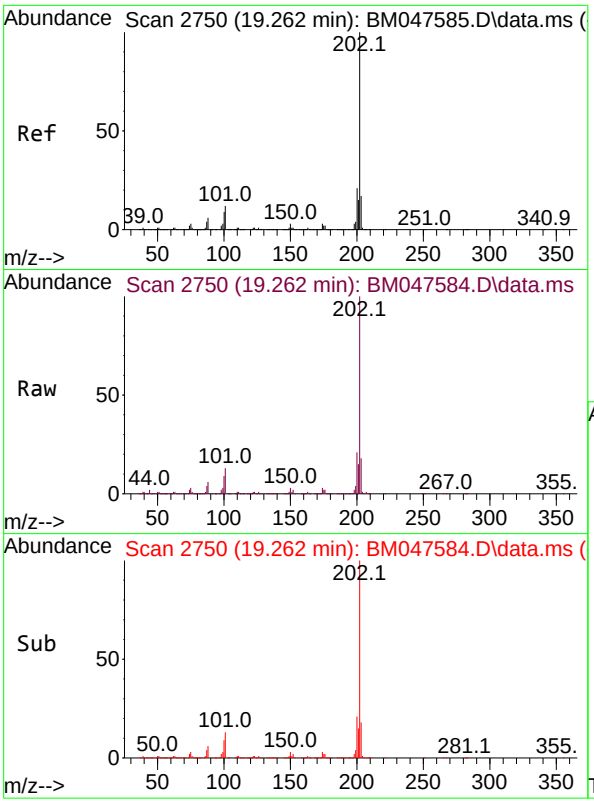


#74
Di-n-butylphthalate
Concen: 19.657 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:149 Resp: 1458233

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.8	4.7	7.1

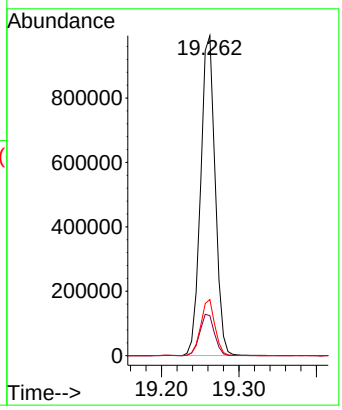




#75
Fluoranthene
Concen: 18.891 ng
RT: 19.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:202 Resp: 129186

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.2
203	17.6	0.0	37.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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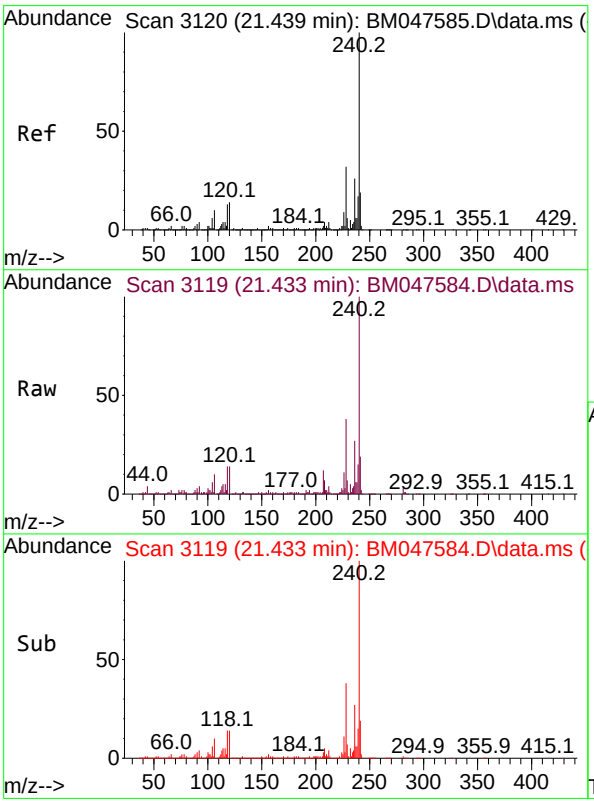
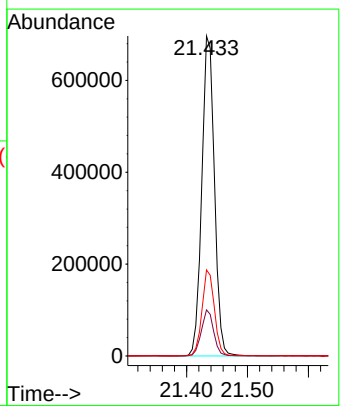
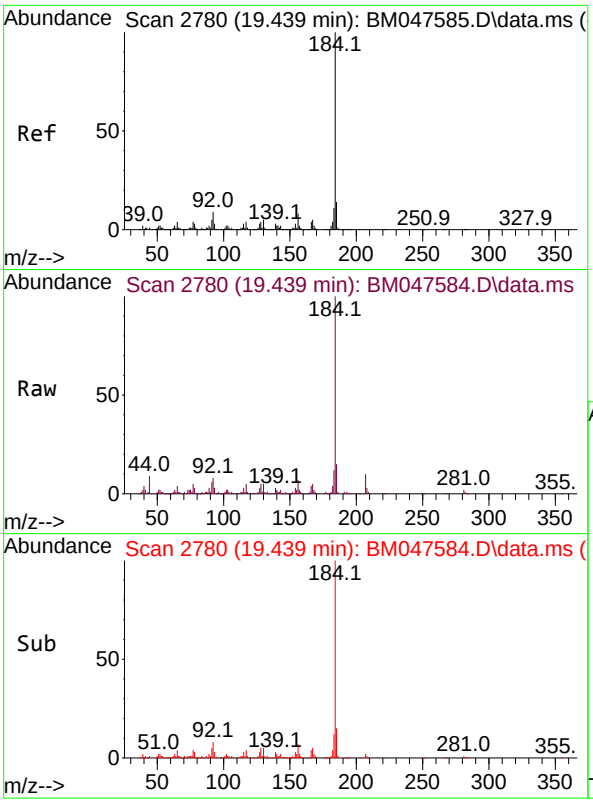


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:240 Resp: 1006319

Ion	Ratio	Lower	Upper
240	100		
120	14.4	10.8	16.2
236	26.9	20.8	31.2

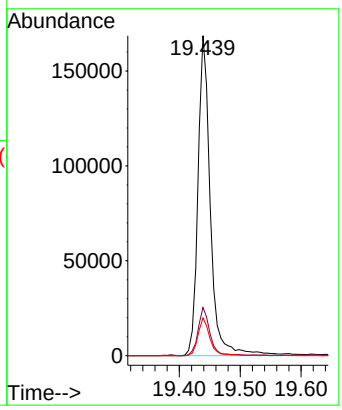




#77
Benzidine
Concen: 17.354 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:184 Resp: 23782

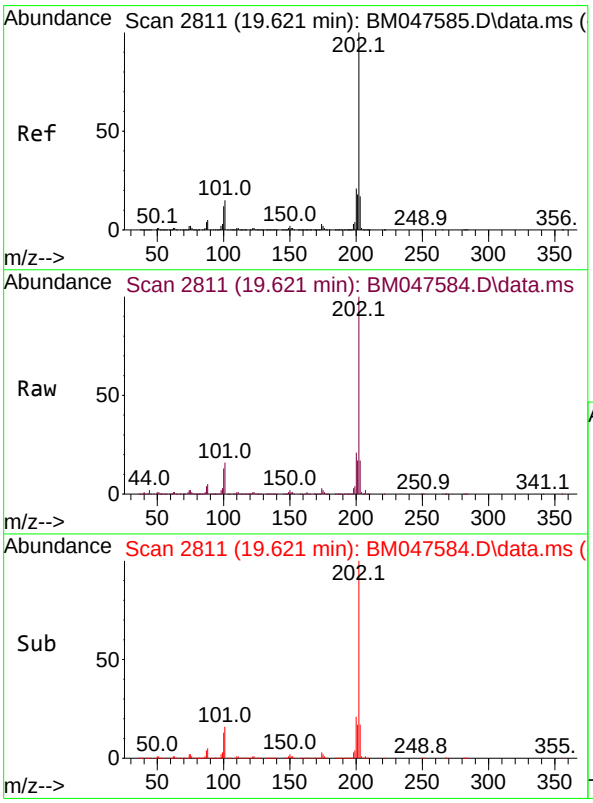
Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.5	17.3
183	11.8	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

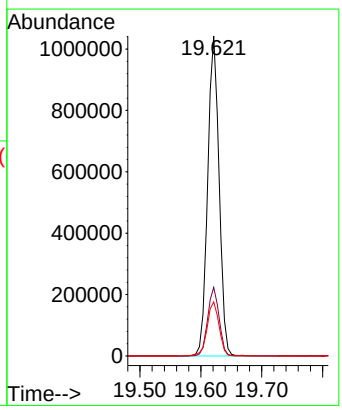
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

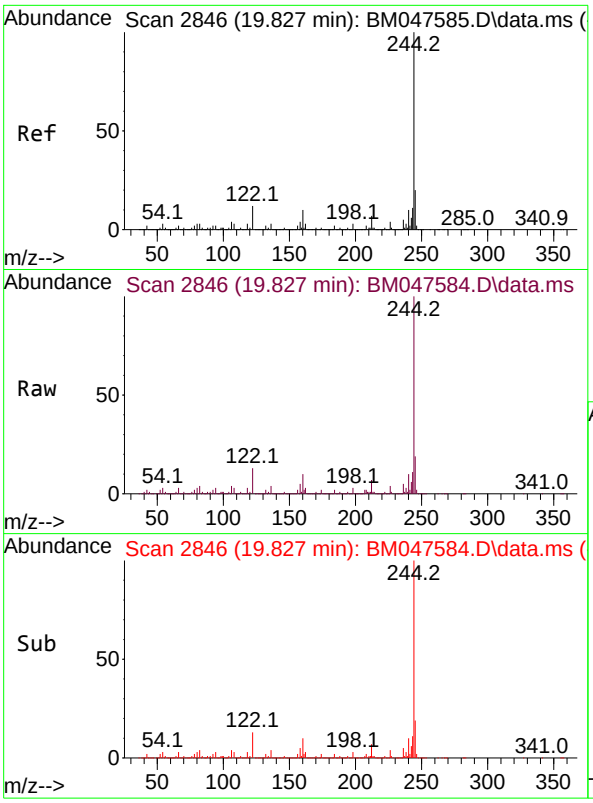


#78
Pyrene
Concen: 19.309 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:202 Resp: 1360006

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	16.9	13.8	20.8

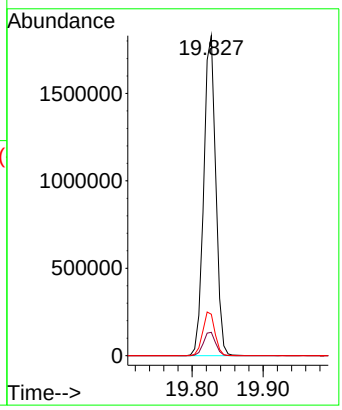




#79
Terphenyl-d14
Concen: 38.399 ng
RT: 19.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:244 Resp: 215360

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.0	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
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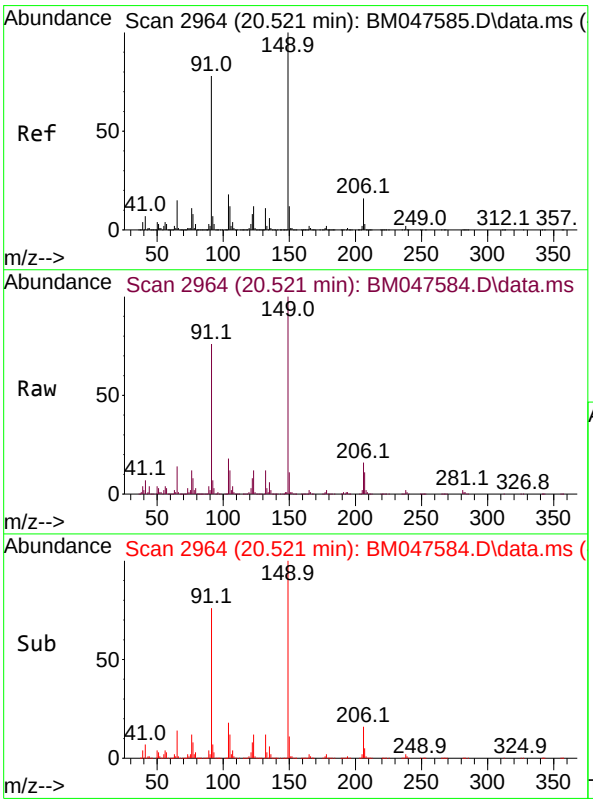
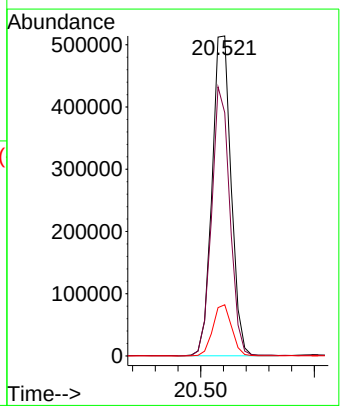
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

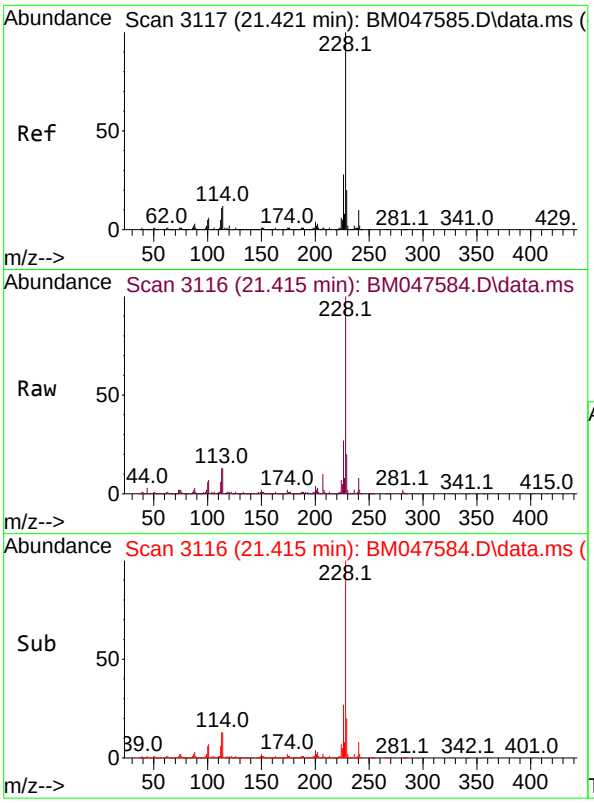


#80
Butylbenzylphthalate
Concen: 19.534 ng
RT: 20.521 min Scan# 2964
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:149 Resp: 598962

Ion	Ratio	Lower	Upper
149	100		
91	76.0	62.3	93.5
206	16.0	13.0	19.6

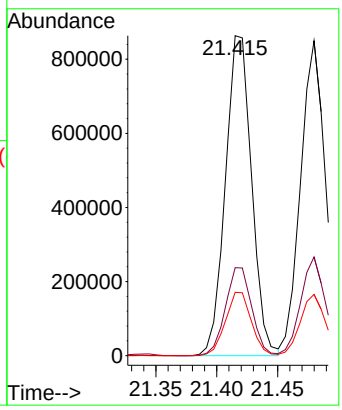




#81
Benzo(a)anthracene
Concen: 19.596 ng
RT: 21.415 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:228 Resp: 129662

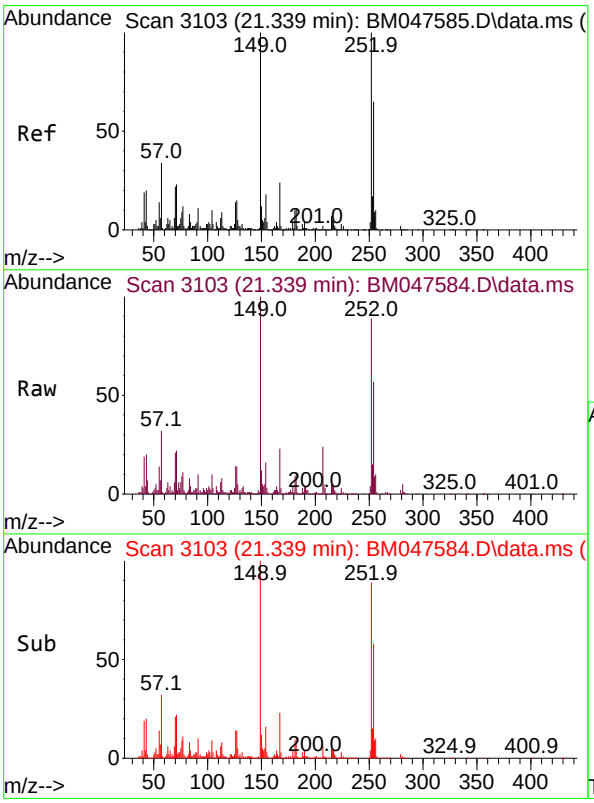
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.4	33.6
229	19.8	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

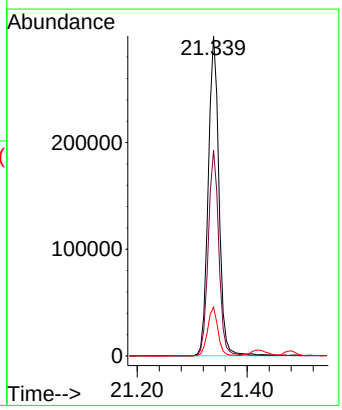
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

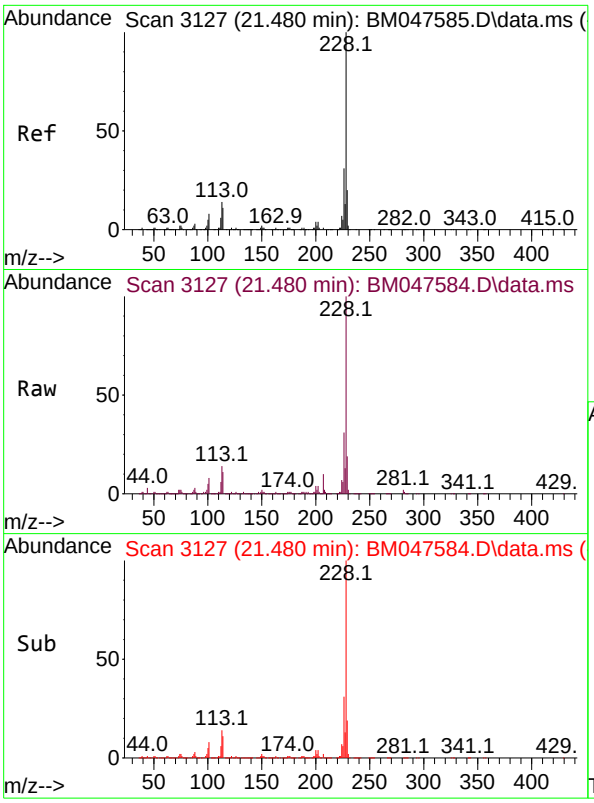


#82
3,3'-Dichlorobenzidine
Concen: 19.675 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:252 Resp: 404304

Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.3	78.5
126	15.3	11.4	17.0

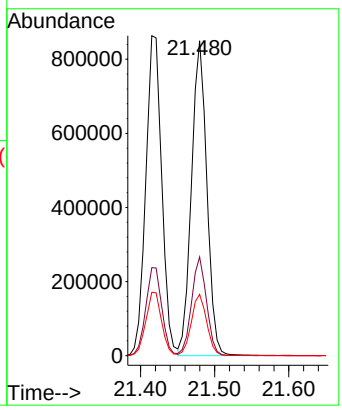




#83
Chrysene
Concen: 19.408 ng
RT: 21.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:228 Resp: 122125

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	19.5	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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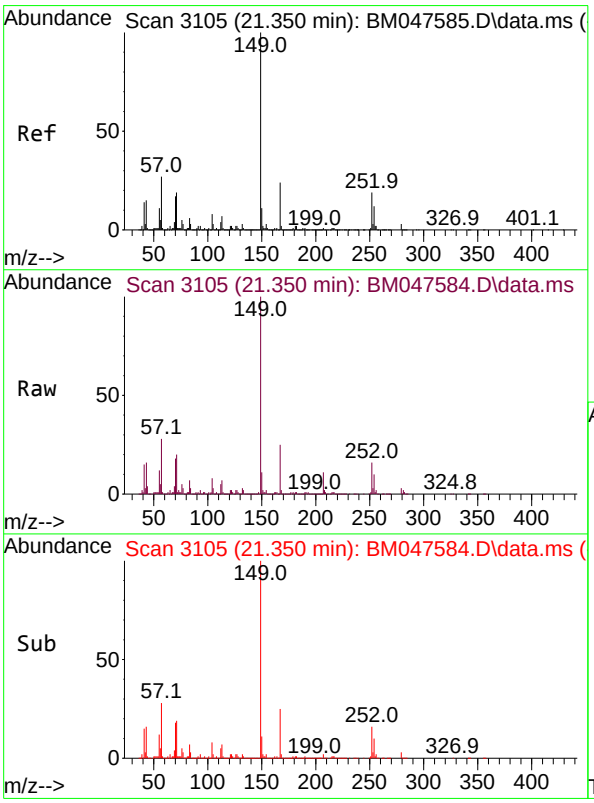
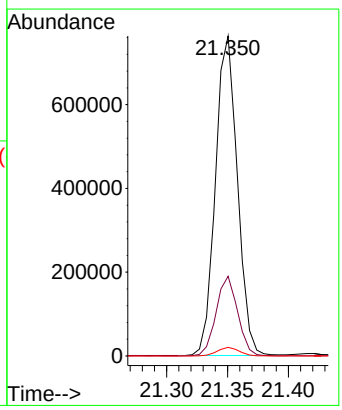
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

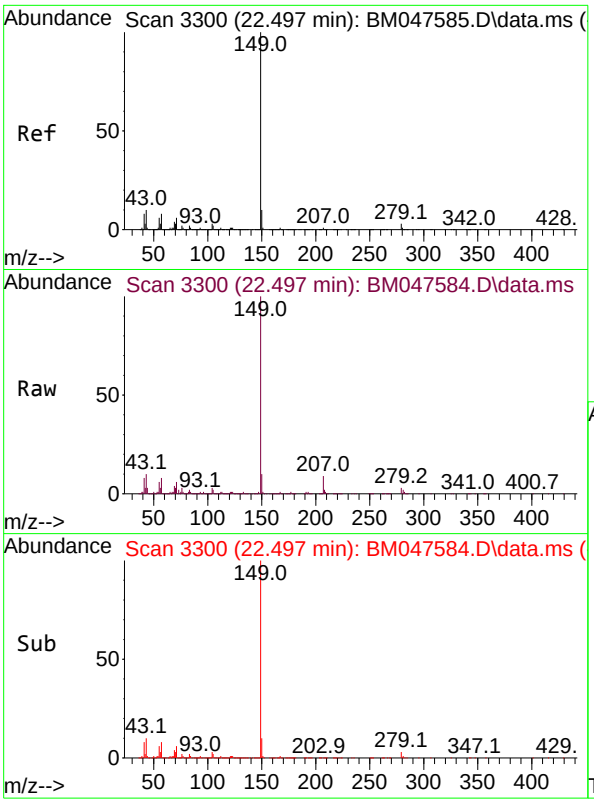


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.515 ng
RT: 21.350 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:149 Resp: 957082

Ion	Ratio	Lower	Upper
149	100		
167	24.9	19.5	29.3
279	2.7	2.3	3.5

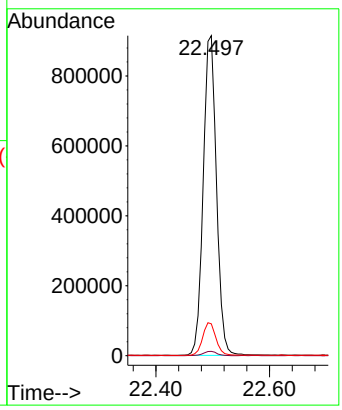




#85
Di-n-octyl phthalate
Concen: 19.447 ng
RT: 22.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:149 Resp: 147175

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.3	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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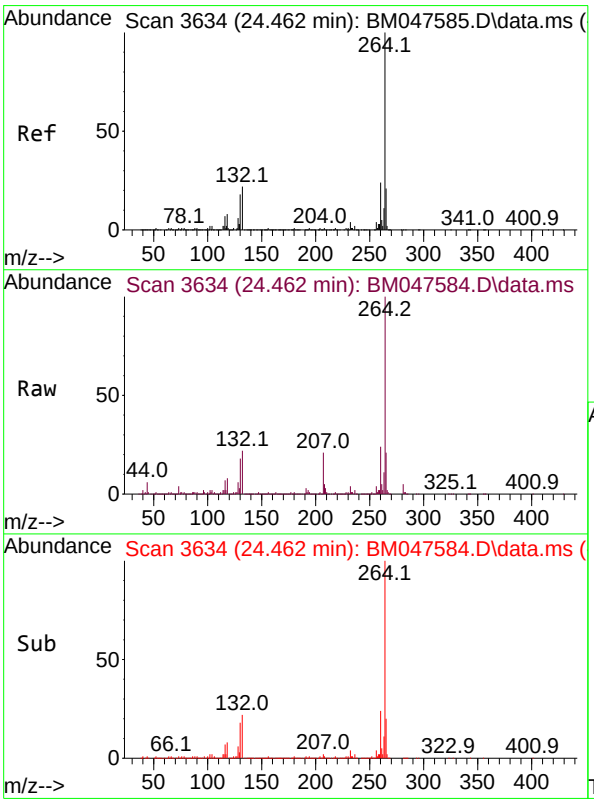
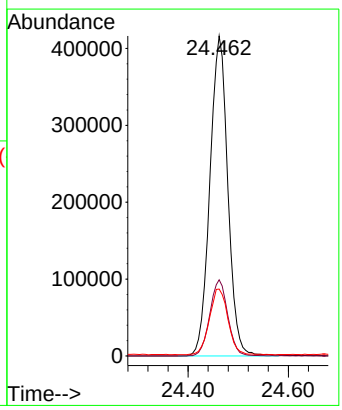
Supervised By :mohammad ahmed 09/24/2024

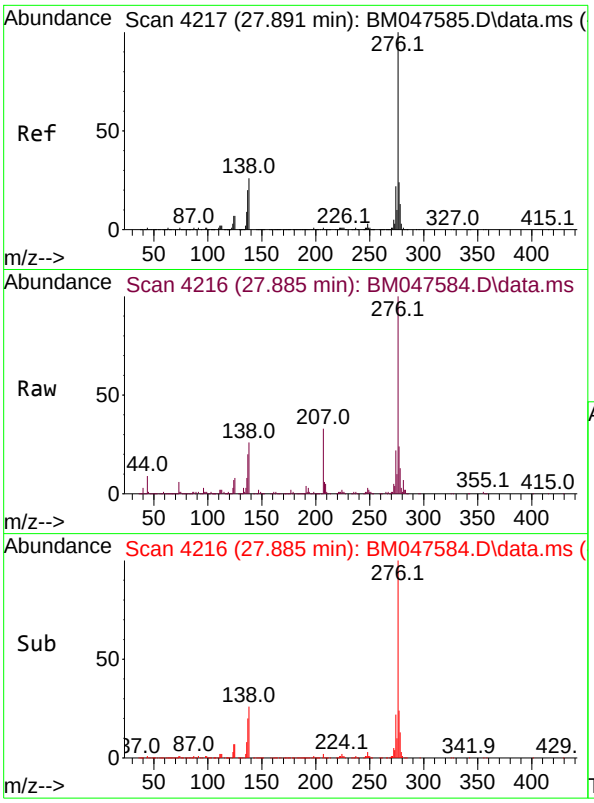


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:264 Resp: 1035786

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	20.9	17.0	25.6

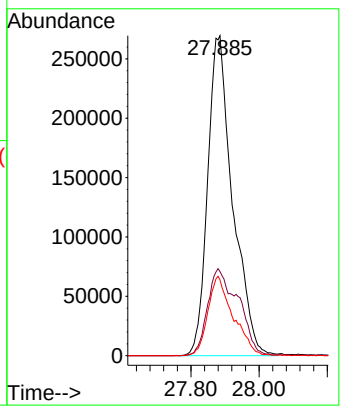




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.297 ng
RT: 27.885 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:276 Resp: 137441

Ion	Ratio	Lower	Upper
276	100		
138	33.4	18.1	27.1
277	25.1	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
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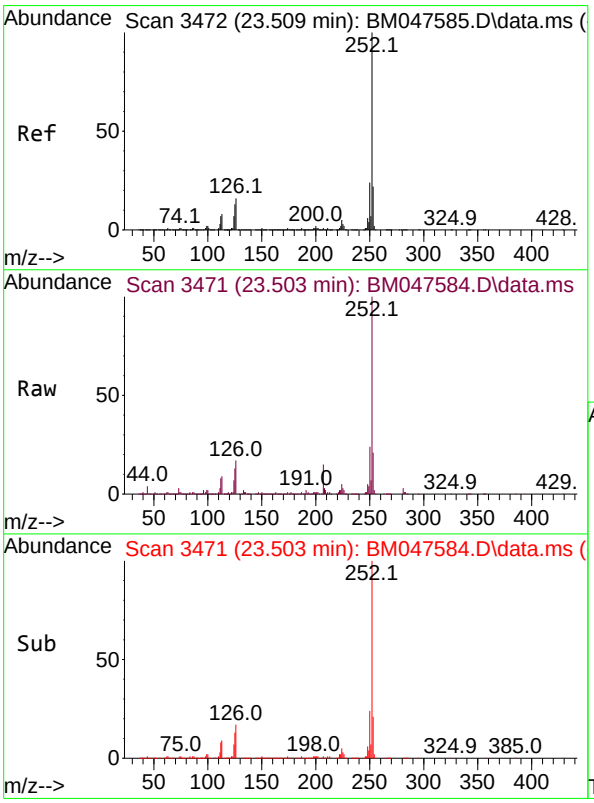
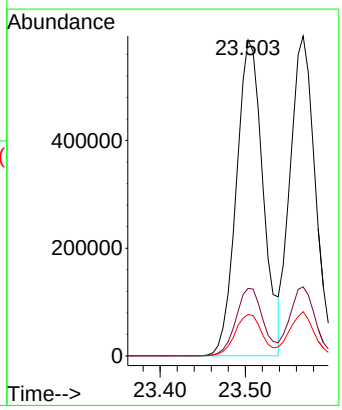
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

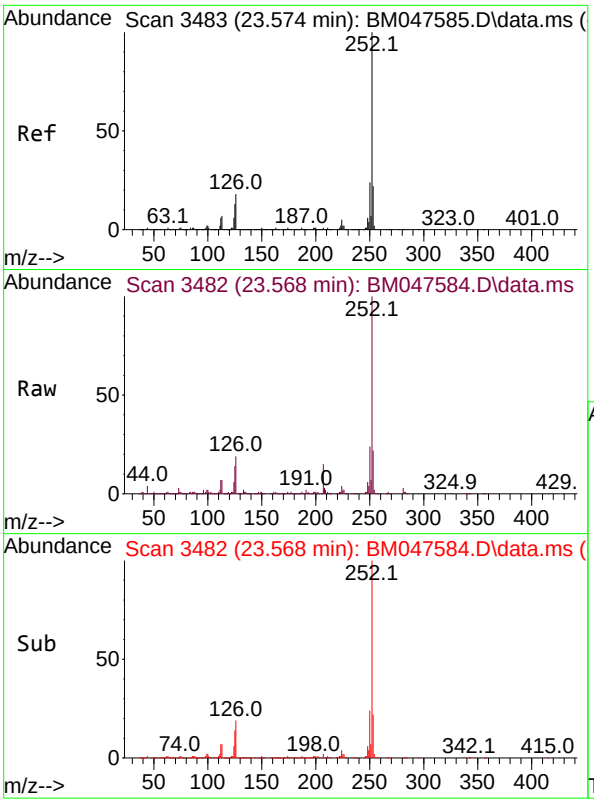


#88
Benzo(b)fluoranthene
Concen: 19.634 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:252 Resp: 1278176

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	13.1	10.2	15.2

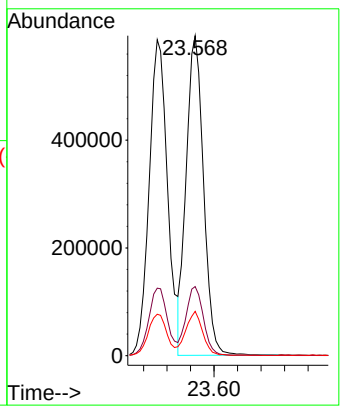




#89
Benzo(k)fluoranthene
Concen: 19.000 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:252 Resp: 121417

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	13.9	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
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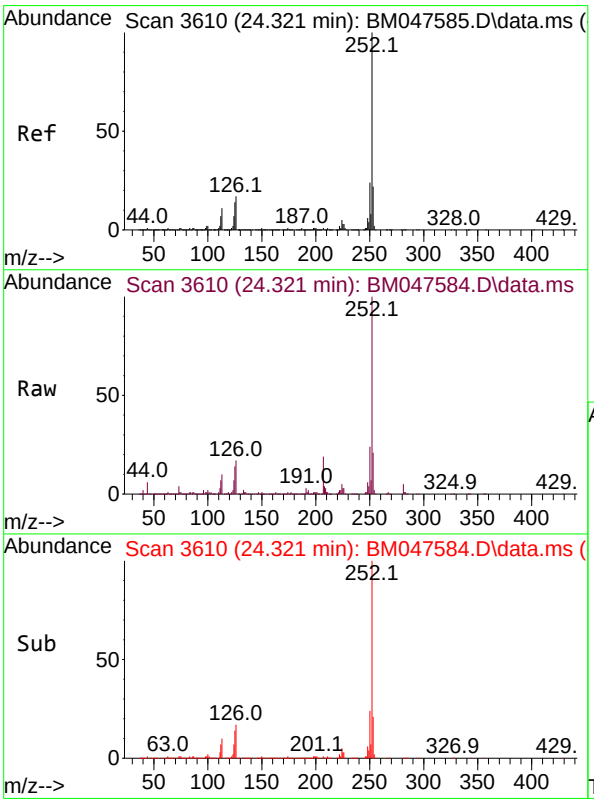
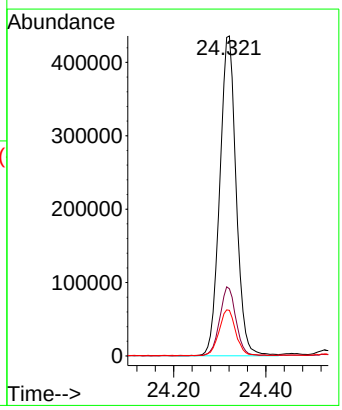
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

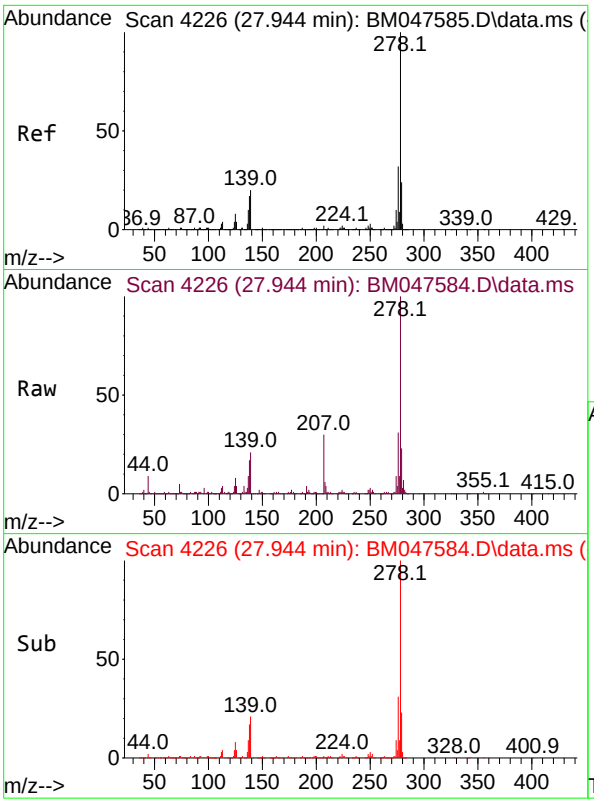


#90
Benzo(a)pyrene
Concen: 19.432 ng
RT: 24.321 min Scan# 3610
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:252 Resp: 1072547

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.0
125	14.2	11.5	17.3

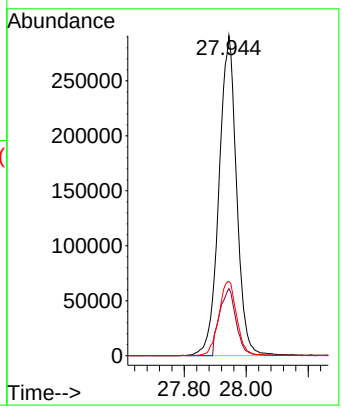




#91
Dibenzo(a,h)anthracene
Concen: 19.320 ng
RT: 27.944 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:278 Resp: 114939

Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.4	24.6
279	23.2	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
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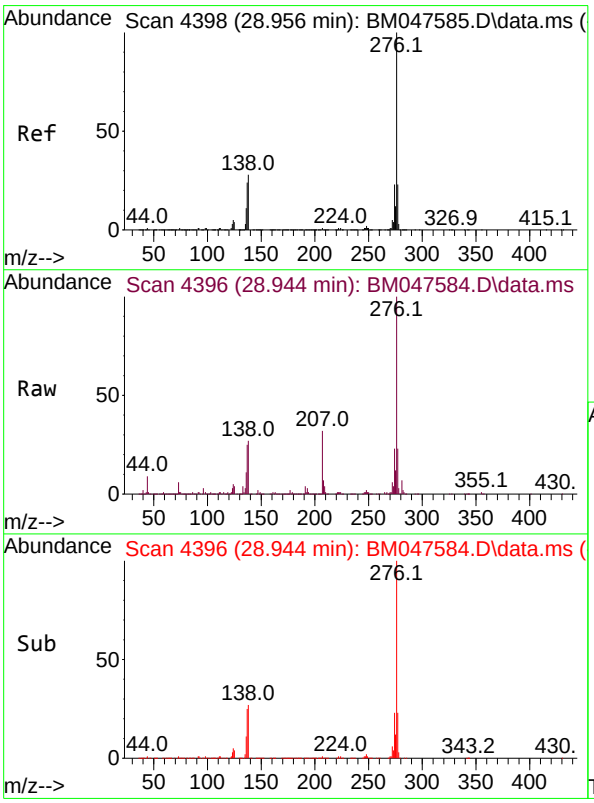
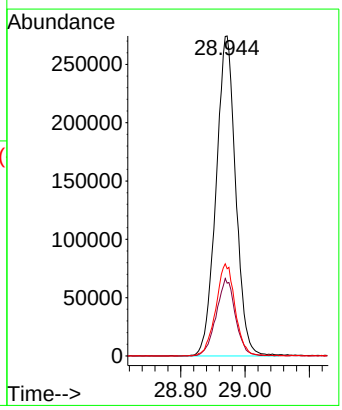
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92
Benzo(g,h,i)perylene
Concen: 19.534 ng
RT: 28.944 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM047584.D
Acq: 20 Sep 2024 11:39

Tgt Ion:276 Resp: 1164711

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.3	27.5
138	27.3	22.3	33.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047585.D
Acq On : 20 Sep 2024 12:19
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 16:21:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	259939	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1031210	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	561754	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1080469	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1001172	20.000	ng	0.00
86) Perylene-d12	24.462	264	1006624	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1329986	78.408	ng	0.00
7) Phenol-d6	7.004	99	1766677	79.045	ng	0.00
23) Nitrobenzene-d5	8.998	82	1666717	80.459	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	419629	80.672	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	3062874	77.149	ng	0.00
79) Terphenyl-d14	19.827	244	4515475	80.925	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.316	88	287141	38.879	ng	100
3) Pyridine	3.716	79	808353	39.460	ng	100
4) n-Nitrosodimethylamine	3.622	42	332794	39.203	ng	100
6) Aniline	7.169	93	770094	40.220	ng	100
8) 2-Chlorophenol	7.410	128	692155	38.978	ng	100
9) Benzaldehyde	6.981	77	430484	37.699	ng	100
10) Phenol	7.034	94	880646	39.683	ng	100
11) bis(2-Chloroethyl)ether	7.269	93	688083	38.576	ng	100
12) 1,3-Dichlorobenzene	7.739	146	757077	38.552	ng	100
13) 1,4-Dichlorobenzene	7.881	146	772472	38.875	ng	100
14) 1,2-Dichlorobenzene	8.198	146	745808	38.939	ng	100
15) Benzyl Alcohol	8.081	79	569708	39.507	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.375	45	881334	38.764	ng	100
17) 2-Methylphenol	8.281	107	558898	40.071	ng	100
18) Hexachloroethane	8.933	117	314765	39.062	ng	100
19) n-Nitroso-di-n-propyla...	8.651	70	549788	40.159	ng	100
20) 3+4-Methylphenols	8.610	107	757652	39.881	ng	100
22) Acetophenone	8.663	105	1058609	39.403	ng	100
24) Nitrobenzene	9.039	77	849762	39.716	ng	100
25) Isophorone	9.569	82	1378721	39.826	ng	100
26) 2-Nitrophenol	9.751	139	302453	40.205	ng	100
27) 2,4-Dimethylphenol	9.816	122	426078	39.735	ng	100
28) bis(2-Chloroethoxy)met...	10.051	93	871862	39.148	ng	100
29) 2,4-Dichlorophenol	10.286	162	541522	39.948	ng	100
30) 1,2,4-Trichlorobenzene	10.504	180	597321	38.661	ng	100
31) Naphthalene	10.692	128	2130149	39.044	ng	100
32) Benzoic acid	9.922	122	420907	42.056	ng	100
33) 4-Chloroaniline	10.792	127	779345	40.518	ng	100
34) Hexachlorobutadiene	10.986	225	325602	38.725	ng	100
35) Caprolactam	11.563	113	196821	42.006	ng	100
36) 4-Chloro-3-methylphenol	11.916	107	628554	40.640	ng	100
37) 2-Methylnaphthalene	12.304	142	1338545	39.052	ng	100
38) 1-Methylnaphthalene	12.521	142	1336892	39.317	ng	100
40) 1,2,4,5-Tetrachloroben...	12.669	216	563507	38.012	ng	100
41) Hexachlorocyclopentadiene	12.657	237	187875	38.386	ng	100
43) 2,4,6-Trichlorophenol	12.904	196	381545	39.602	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047585.D
Acq On : 20 Sep 2024 12:19
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 16:21:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	428583	39.576	ng	100
46) 1,1'-Biphenyl	13.310	154	1682815	38.790	ng	100
47) 2-Chloronaphthalene	13.351	162	1309732	38.583	ng	100
48) 2-Nitroaniline	13.545	65	423374	41.759	ng	100
49) Acenaphthylene	14.198	152	1921839	39.342	ng	100
50) Dimethylphthalate	13.933	163	1539920	39.703	ng	100
51) 2,6-Dinitrotoluene	14.045	165	334191	41.125	ng	100
52) Acenaphthene	14.539	154	1250210m	38.731	ng	
53) 3-Nitroaniline	14.368	138	392461	42.109	ng	100
54) 2,4-Dinitrophenol	14.574	184	147290	39.982	ng	100
55) Dibenzofuran	14.874	168	1842840	39.076	ng	100
56) 4-Nitrophenol	14.668	139	344356	43.118	ng	100
57) 2,4-Dinitrotoluene	14.827	165	455996	42.112	ng	100
58) Fluorene	15.521	166	1670793	40.030	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	332567	40.174	ng	100
60) Diethylphthalate	15.298	149	1655789	40.043	ng	100
61) 4-Chlorophenyl-phenyle...	15.515	204	719598	39.457	ng	100
62) 4-Nitroaniline	15.527	138	454473	43.277	ng	100
63) Azobenzene	15.804	77	1831676	40.518	ng	100
65) 4,6-Dinitro-2-methylph...	15.586	198	204083	39.862	ng	100
66) n-Nitrosodiphenylamine	15.727	169	1259876	39.041	ng	100
67) 4-Bromophenyl-phenylether	16.404	248	372972	38.000	ng	100
68) Hexachlorobenzene	16.521	284	436400	38.033	ng	100
69) Atrazine	16.674	200	349532	44.991	ng	100
70) Pentachlorophenol	16.862	266	294995	40.962	ng	100
71) Phenanthrene	17.251	178	2290358	39.052	ng	100
72) Anthracene	17.345	178	2188739	39.389	ng	100
73) Carbazole	17.609	167	2316081	40.000	ng	100
74) Di-n-butylphthalate	18.180	149	2796548	39.932	ng	100
75) Fluoranthene	19.262	202	2566161	39.748	ng	100
77) Benzidine	19.439	184	763338	55.986	ng	100
78) Pyrene	19.621	202	2750016	39.245	ng	100
80) Butylbenzylphthalate	20.521	149	1222066	40.060	ng	100
81) Benzo(a)anthracene	21.421	228	2583877	39.250	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	844150	41.291	ng	100
83) Chrysene	21.480	228	2457017	39.247	ng	100
84) Bis(2-ethylhexyl)phtha...	21.350	149	1947523	39.914	ng	100
85) Di-n-octyl phthalate	22.497	149	3000381	39.849	ng	100
87) Indeno(1,2,3-cd)pyrene	27.891	276	2751705	39.753	ng	100
88) Benzo(b)fluoranthene	23.509	252	2514844	39.750	ng	100
89) Benzo(k)fluoranthene	23.574	252	2472676	39.814	ng	100
90) Benzo(a)pyrene	24.321	252	2132201	39.750	ng	100
91) Dibenzo(a,h)anthracene	27.944	278	2294696	39.688	ng	100
92) Benzo(g,h,i)perylene	28.956	276	2293788	39.585	ng	100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
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Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 16:21:50 2024
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QLast Update : Fri Sep 20 14:56:16 2024
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Instrument :
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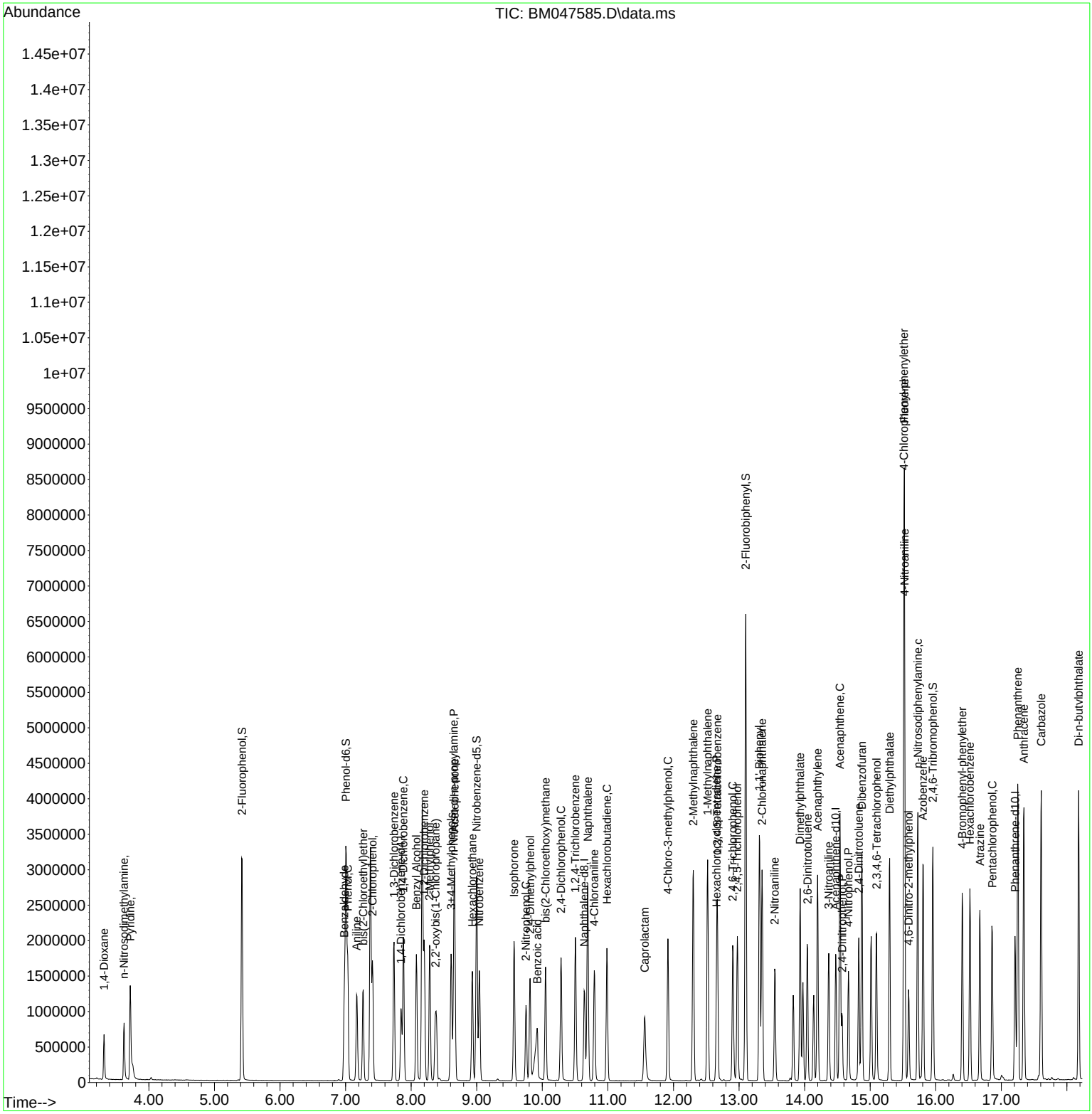
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



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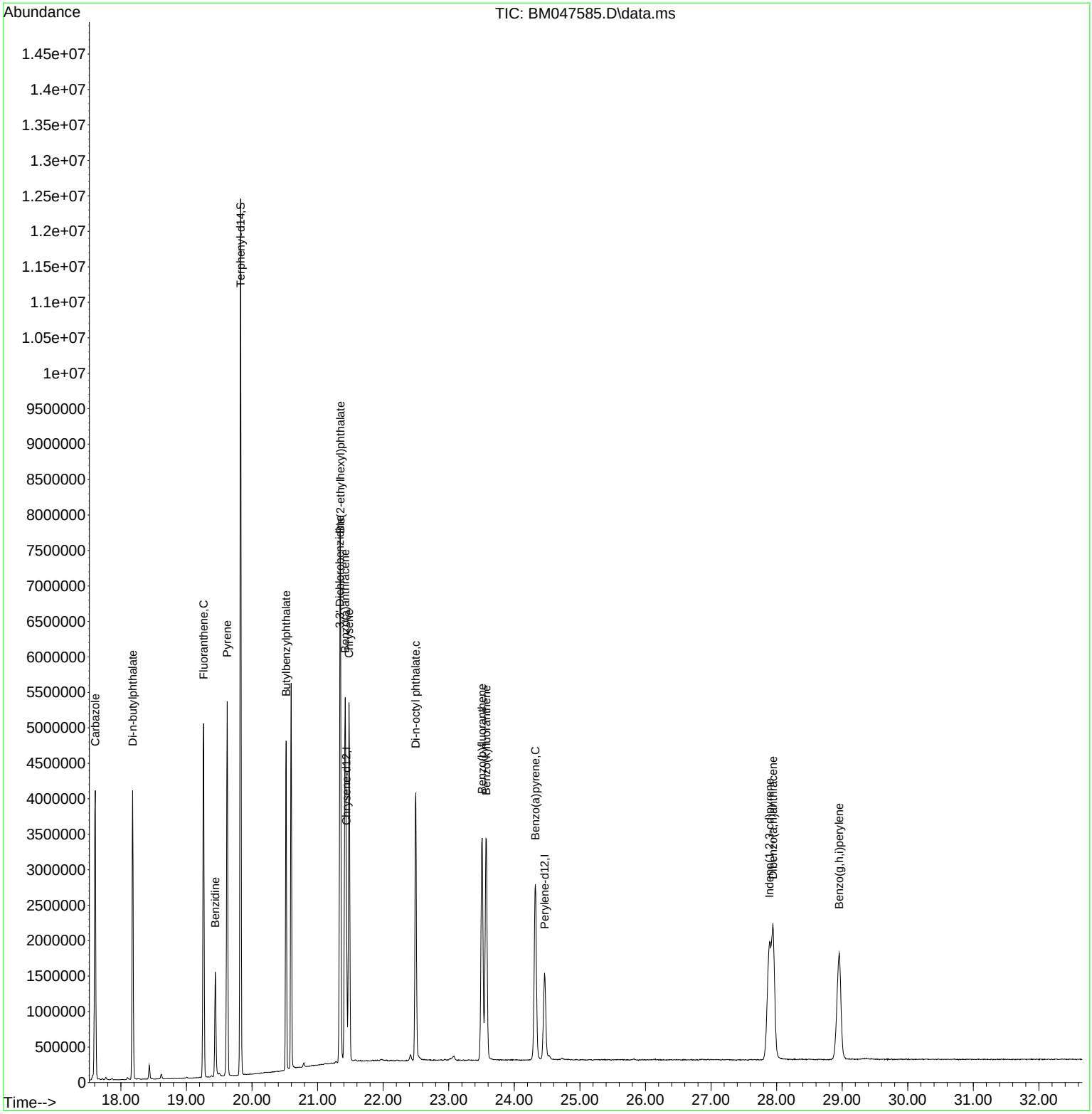
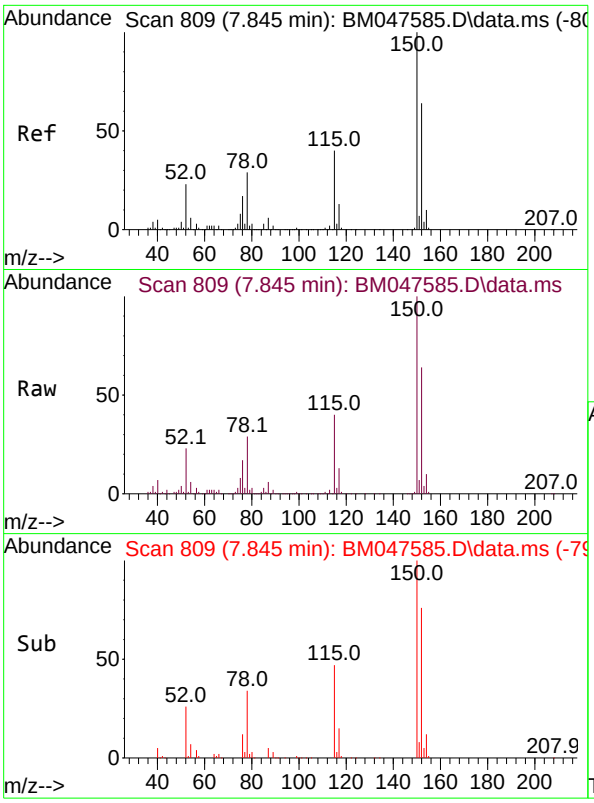
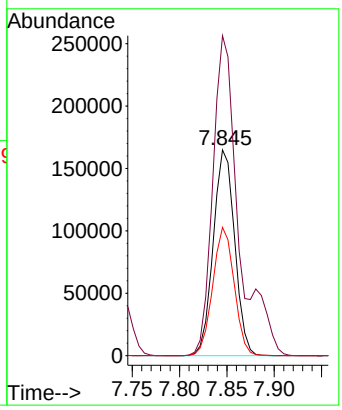




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:152 Resp: 259939

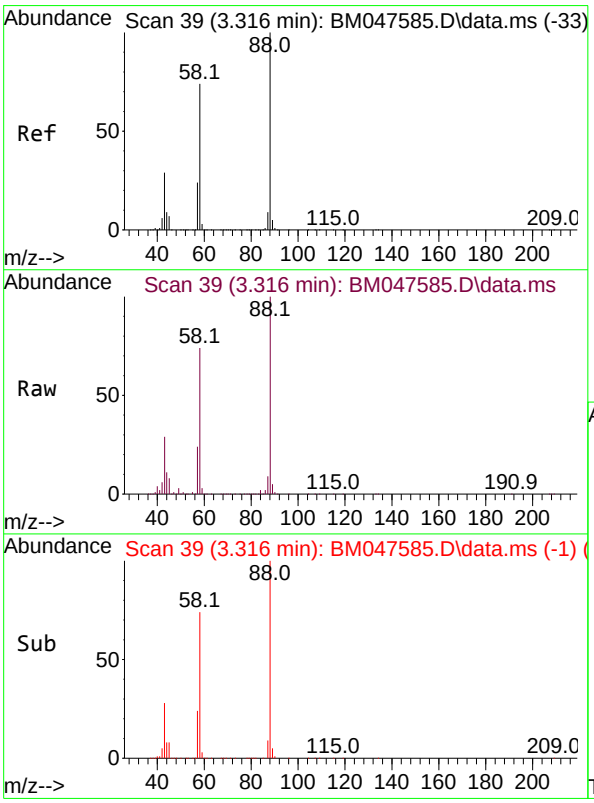
Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.5	186.7
115	62.4	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

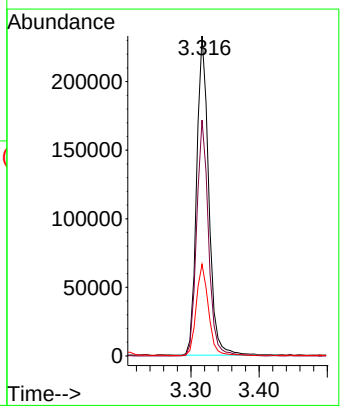
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

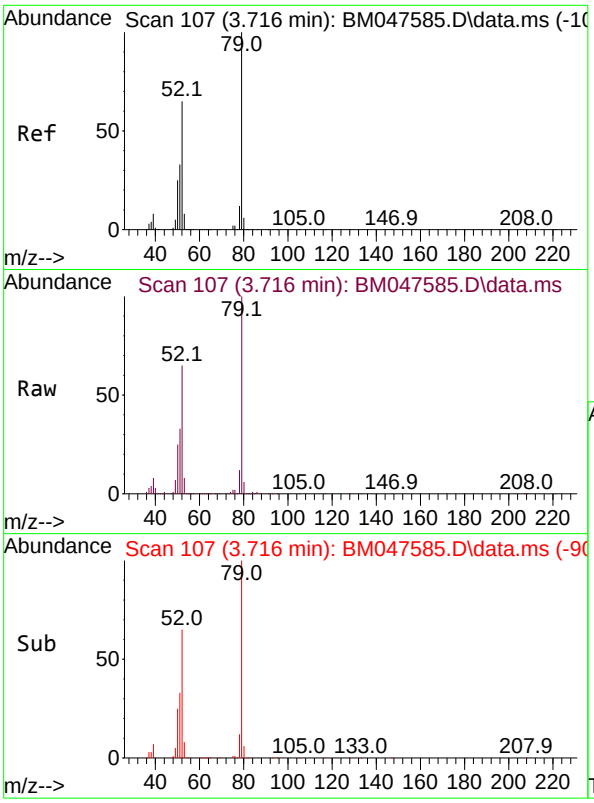


#2
1,4-Dioxane
Concen: 38.879 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 88 Resp: 287141

Ion	Ratio	Lower	Upper
88	100		
58	72.5	58.0	87.0
43	28.9	23.1	34.7

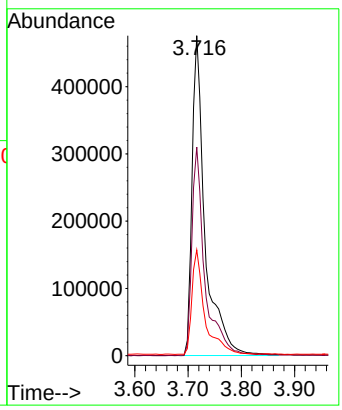




#3
Pyridine
Concen: 39.460 ng
RT: 3.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 79 Resp: 80835

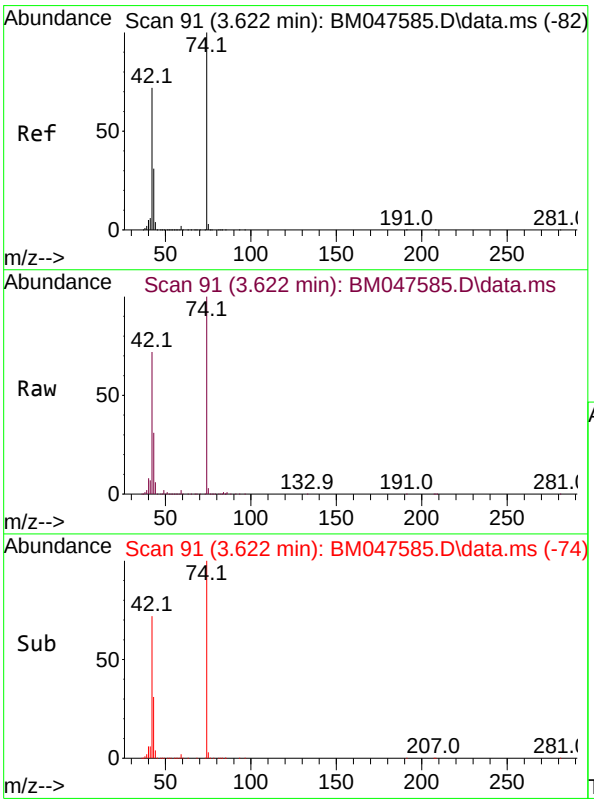
Ion	Ratio	Lower	Upper
79	100		
52	65.2	52.2	78.2
51	33.1	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

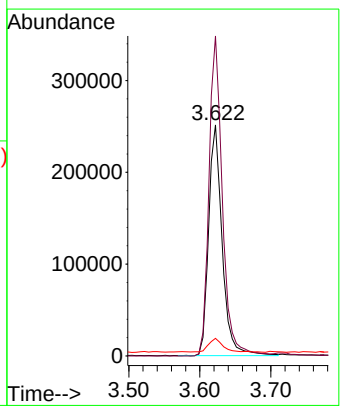
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

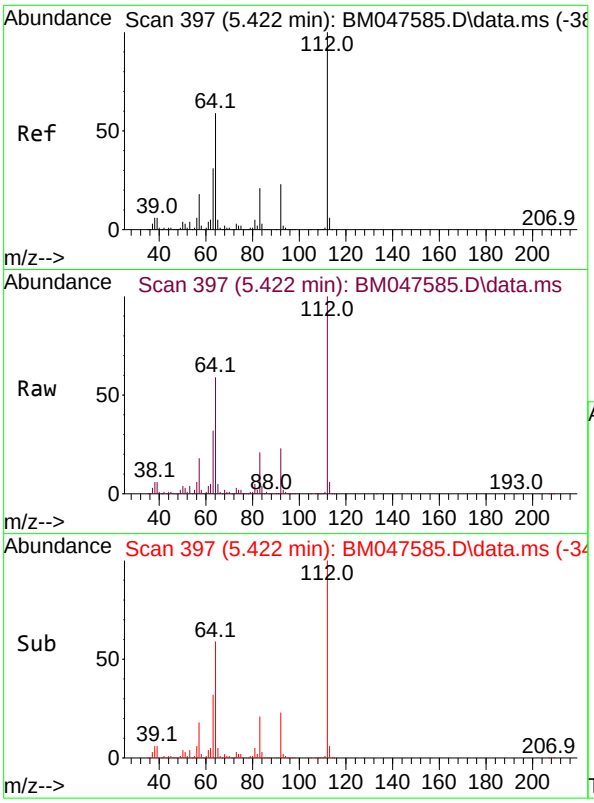


#4
n-Nitrosodimethylamine
Concen: 39.203 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 42 Resp: 332794

Ion	Ratio	Lower	Upper
42	100		
74	138.5	110.8	166.2
44	7.6	6.1	9.1

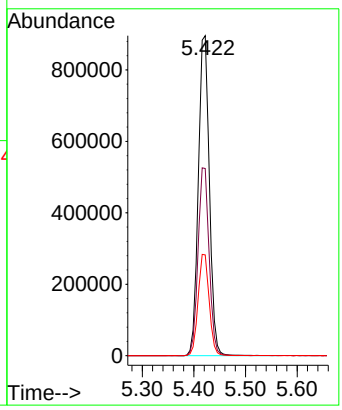




#5
2-Fluorophenol
Concen: 78.408 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:112 Resp: 132998

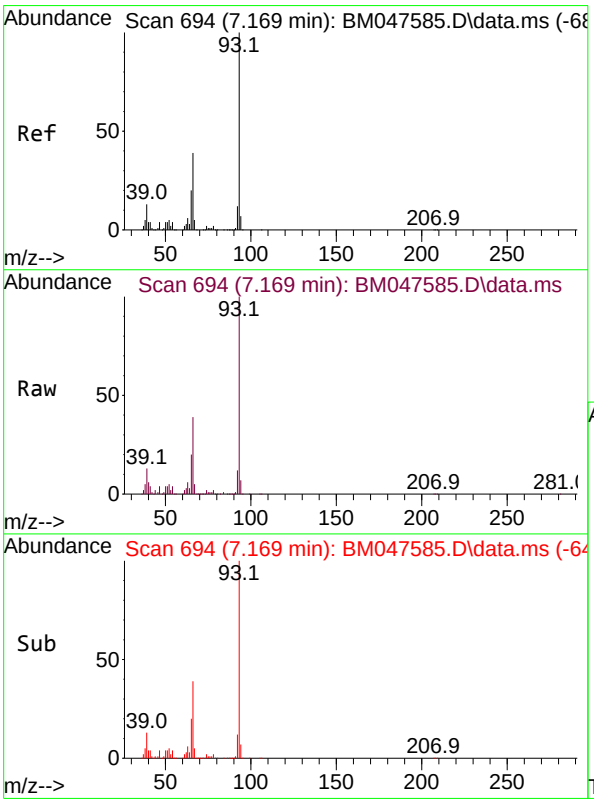
Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.8	70.2
63	31.5	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

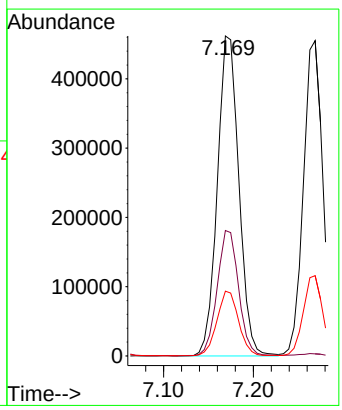
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

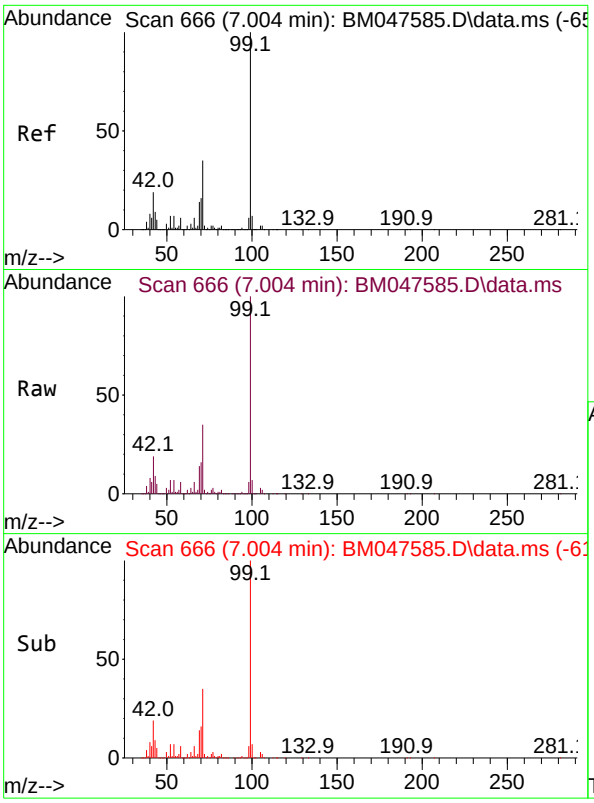


#6
Aniline
Concen: 40.220 ng
RT: 7.169 min Scan# 694
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 93 Resp: 770094

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.4	47.0
65	20.2	16.2	24.2

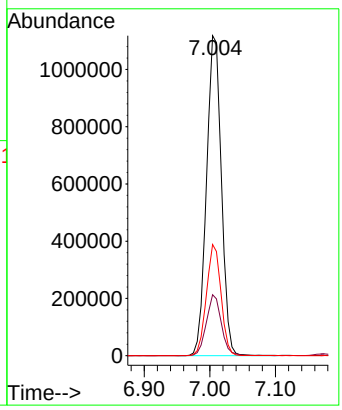




#7
Phenol-d6
Concen: 79.045 ng
RT: 7.004 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 99 Resp: 176667

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.3	22.9
71	34.7	27.8	41.6



Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

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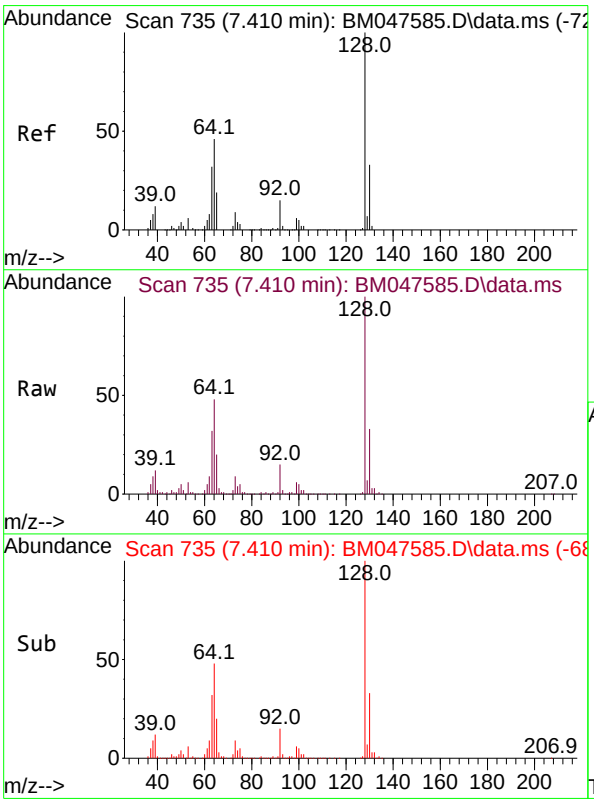
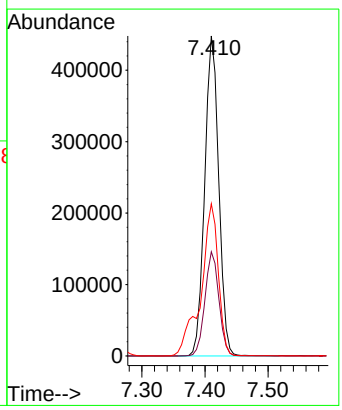
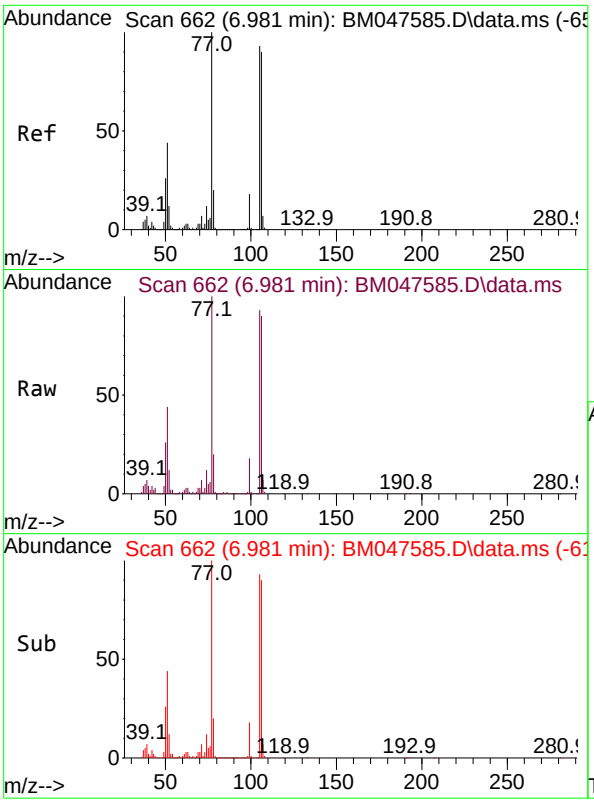


#8
2-Chlorophenol
Concen: 38.978 ng
RT: 7.410 min Scan# 735
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:128 Resp: 692155

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	47.6	27.6	67.6

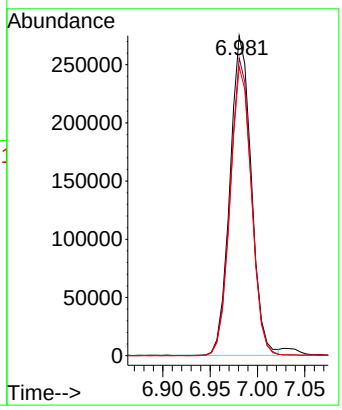




#9
Benzaldehyde
Concen: 37.699 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 77 Resp: 43048

Ion	Ratio	Lower	Upper
77	100		
105	93.0	73.0	113.0
106	90.3	70.3	110.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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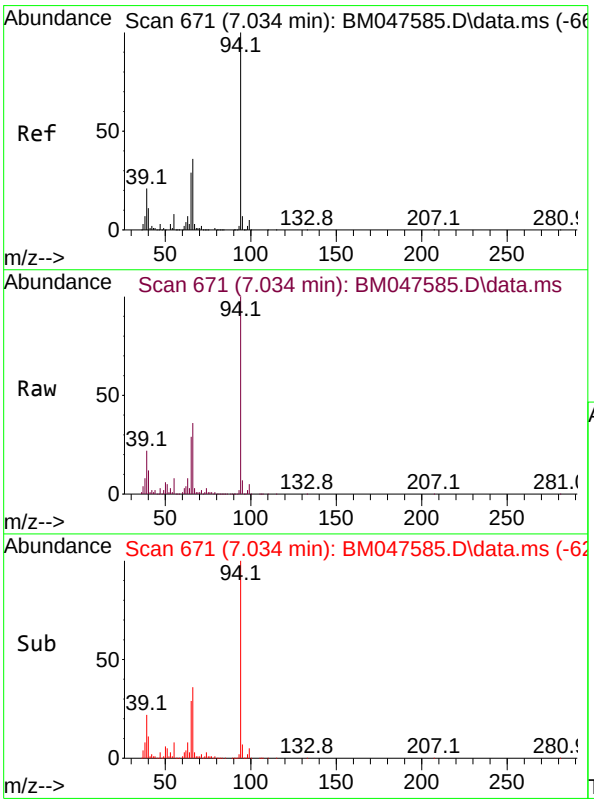
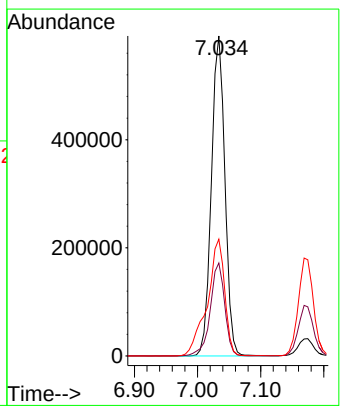
Supervised By :mohammad ahmed 09/24/2024

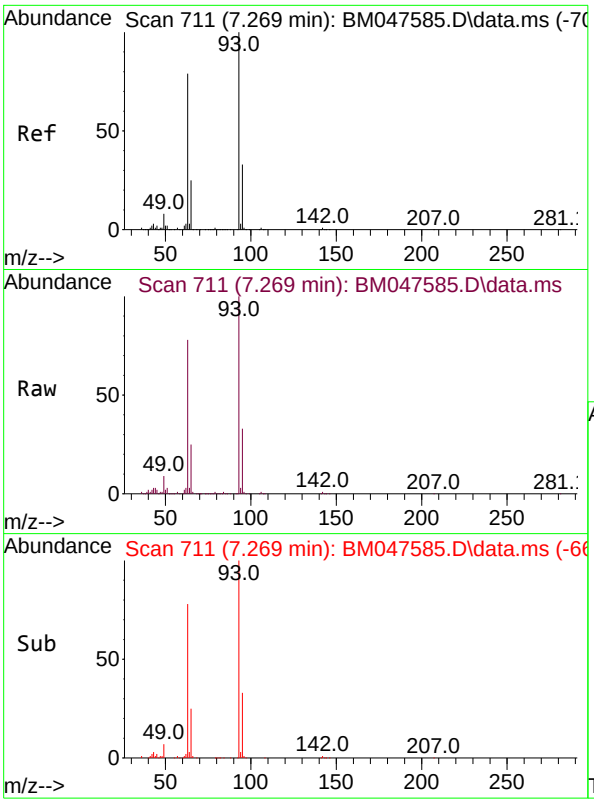


#10
Phenol
Concen: 39.683 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 94 Resp: 880646

Ion	Ratio	Lower	Upper
94	100		
65	29.1	9.1	49.1
66	36.5	16.5	56.5

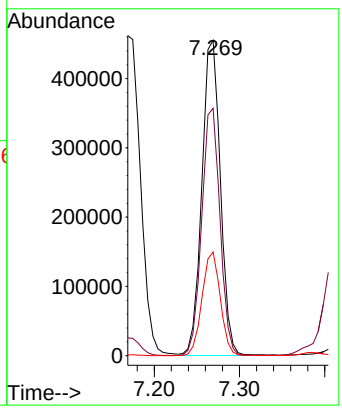




#11
bis(2-Chloroethyl)ether
Concen: 38.576 ng
RT: 7.269 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 93 Resp: 68808

Ion	Ratio	Lower	Upper
93	100		
63	78.5	58.5	98.5
95	32.9	12.9	52.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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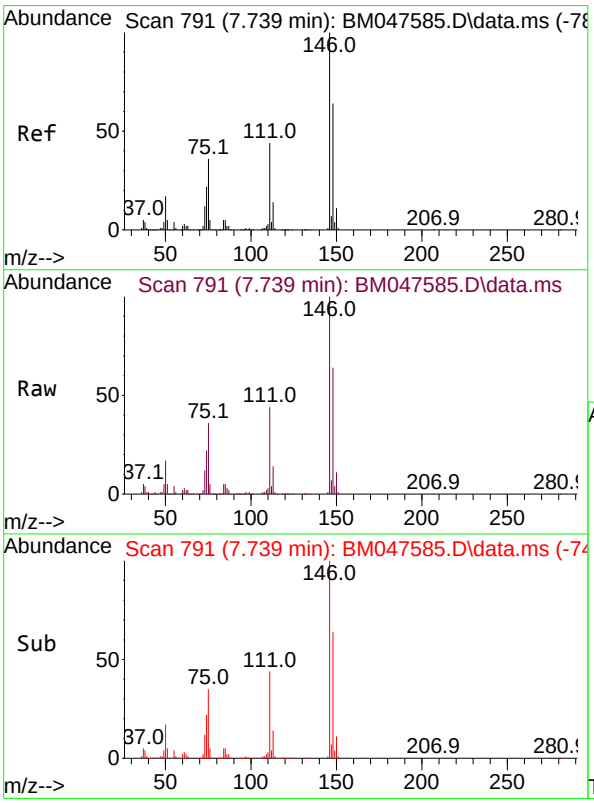
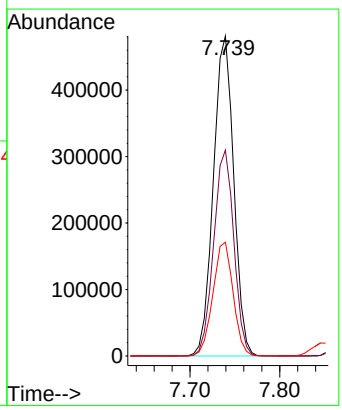
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

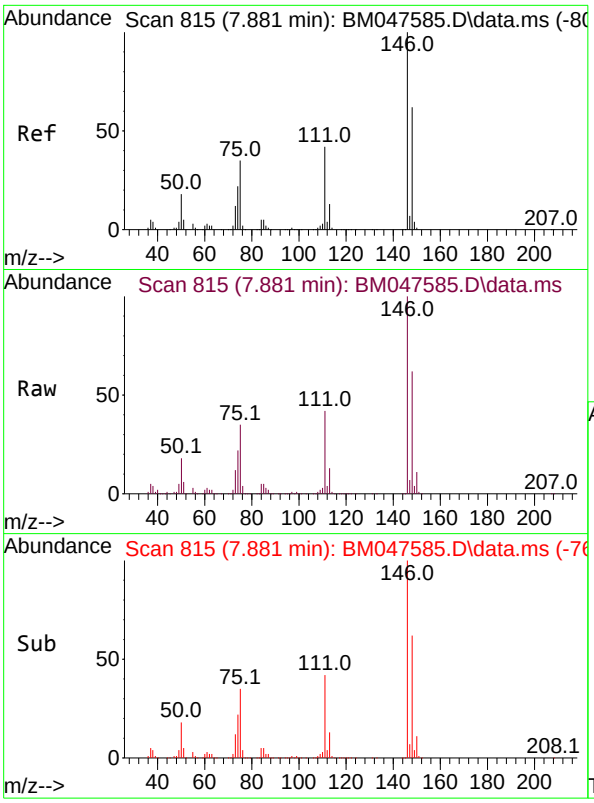


#12
1,3-Dichlorobenzene
Concen: 38.552 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:146 Resp: 757077

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
75	35.5	28.4	42.6

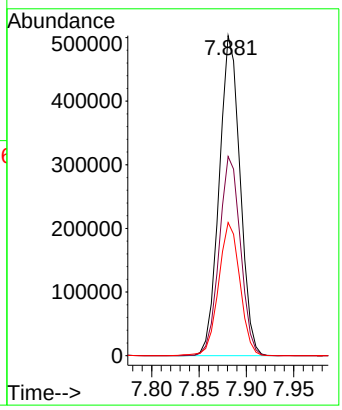




#13
1,4-Dichlorobenzene
Concen: 38.875 ng
RT: 7.881 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:146 Resp: 77247

Ion	Ratio	Lower	Upper
146	100		
148	62.2	49.8	74.6
111	41.6	33.3	49.9



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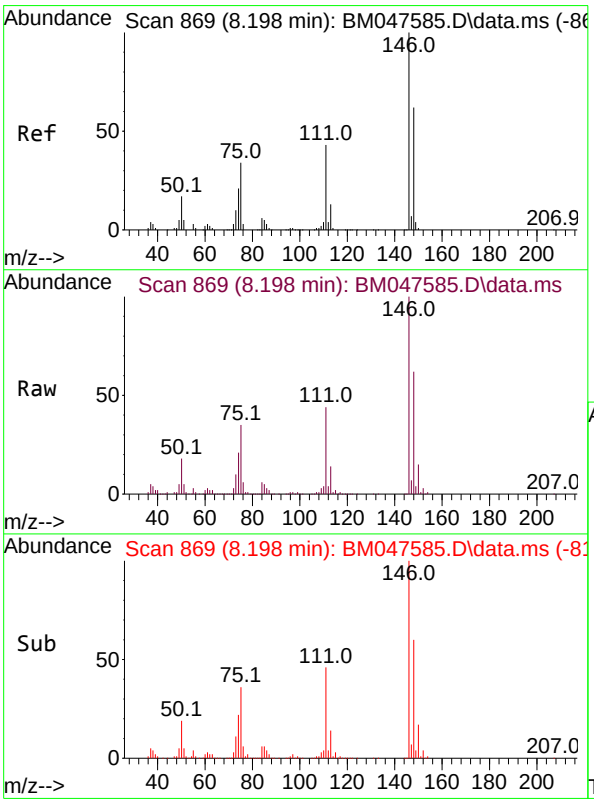
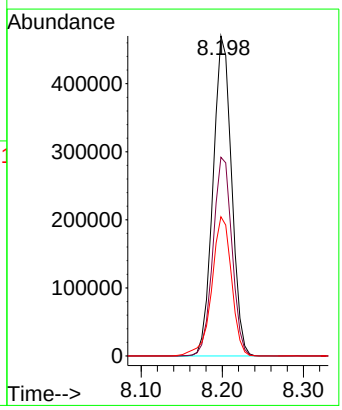
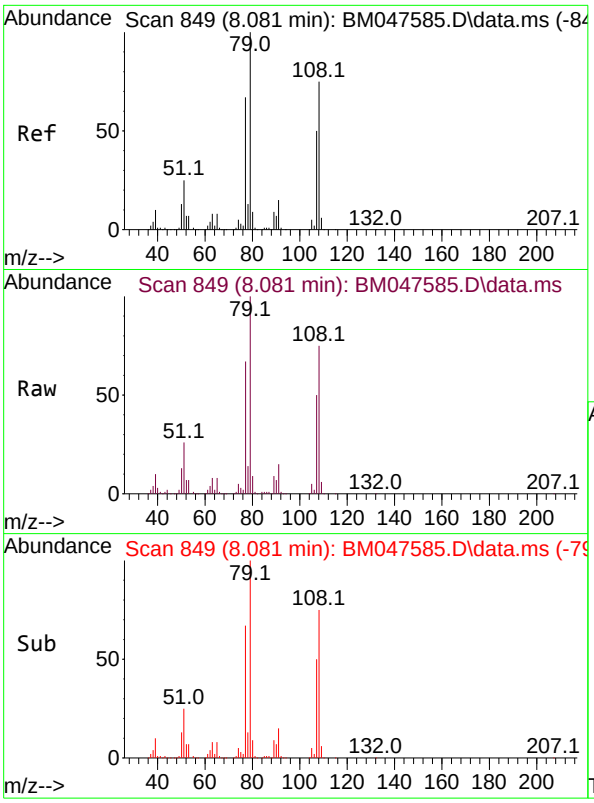


#14
1,2-Dichlorobenzene
Concen: 38.939 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:146 Resp: 745808

Ion	Ratio	Lower	Upper
146	100		
148	62.1	49.7	74.5
111	43.5	34.8	52.2





#15
Benzyl Alcohol
Concen: 39.507 ng
RT: 8.081 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 79 Resp: 56970

Ion	Ratio	Lower	Upper
79	100		
108	75.2	60.2	90.2
77	67.4	53.9	80.9

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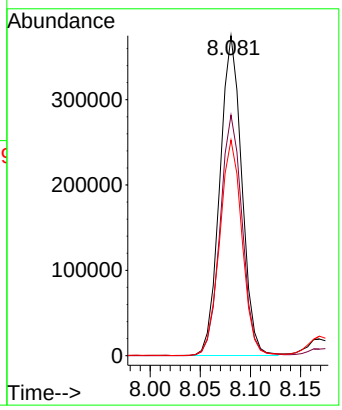
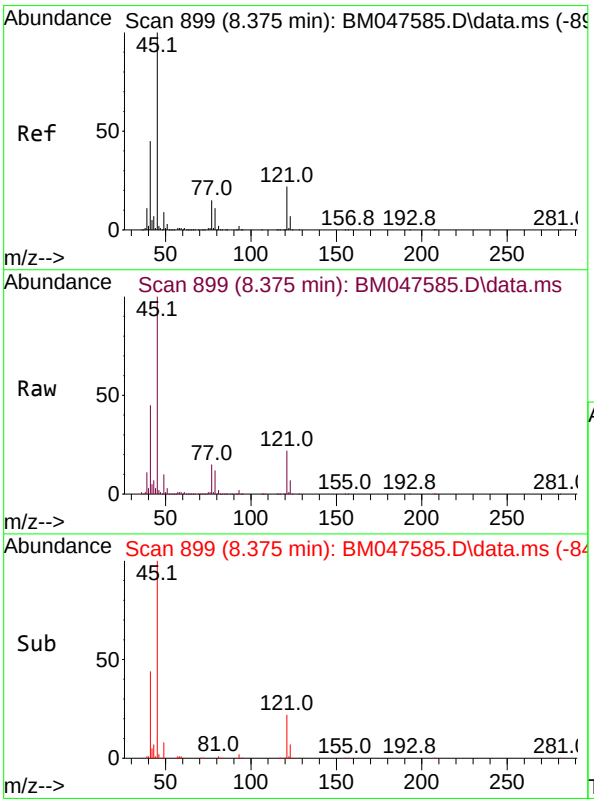
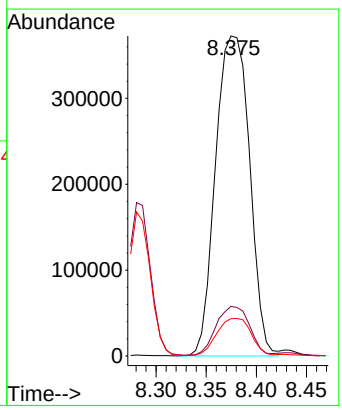


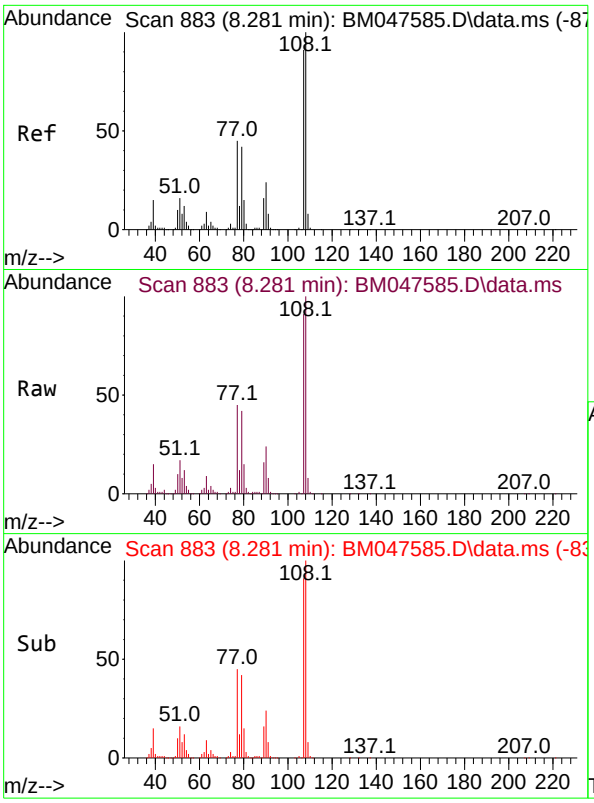


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.764 ng
RT: 8.375 min Scan# 899
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 45 Resp: 881334

Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	35.5
79	11.6	0.0	31.6

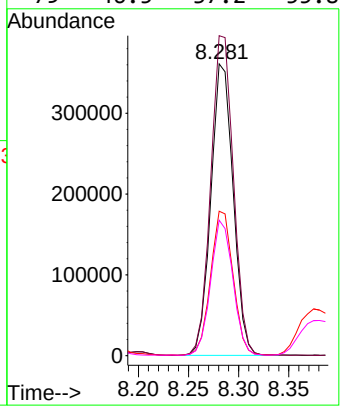




#17
2-Methylphenol
Concen: 40.071 ng
RT: 8.281 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:107 Resp: 55889

Ion	Ratio	Lower	Upper
107	100		
108	109.7	87.8	131.6
77	49.5	39.6	59.4
79	46.5	37.2	55.8



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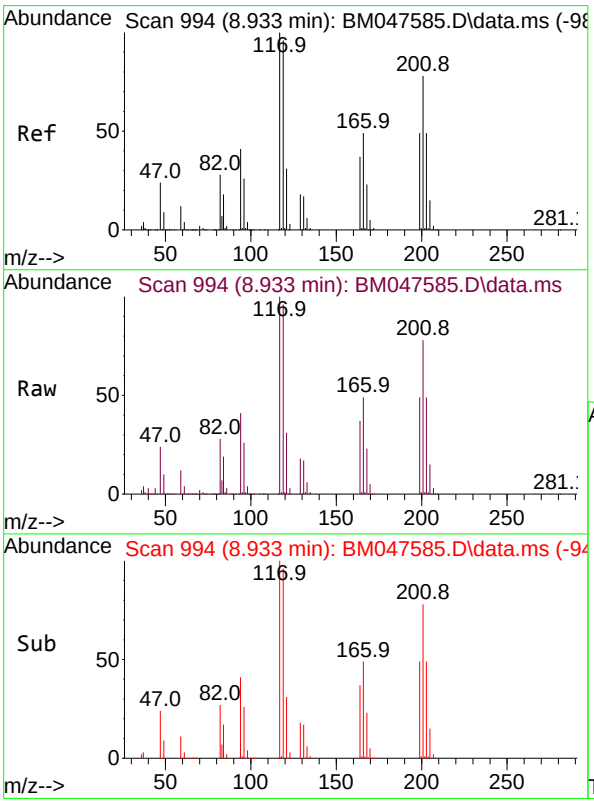
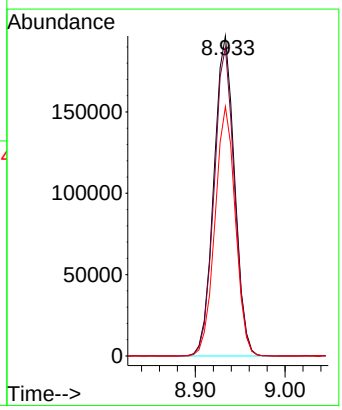
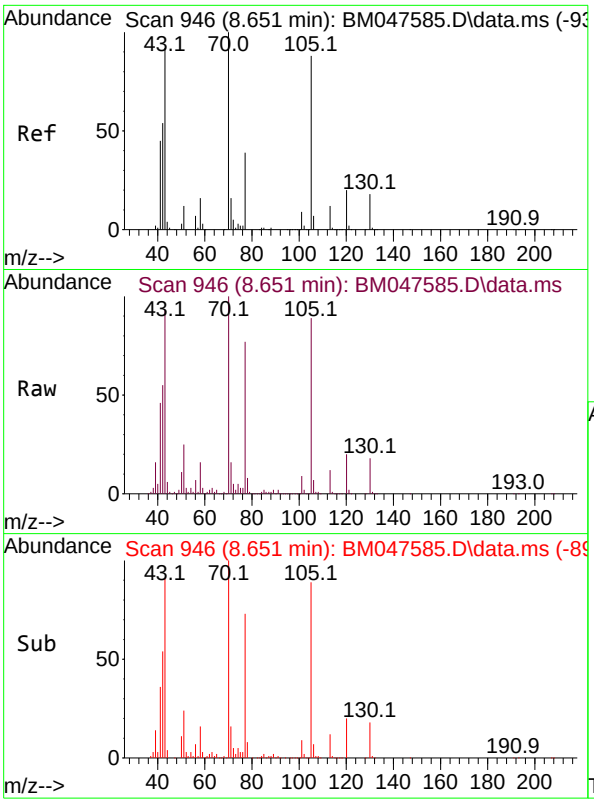


#18
Hexachloroethane
Concen: 39.062 ng
RT: 8.933 min Scan# 994
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:117 Resp: 314765

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
201	77.9	62.3	93.5

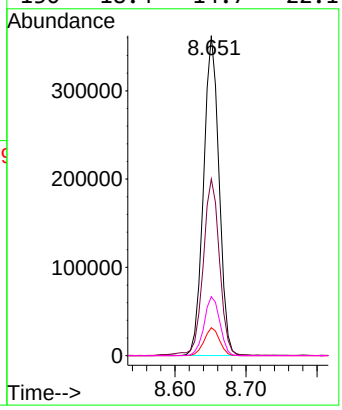




#19
n-Nitroso-di-n-propylamine
Concen: 40.159 ng
RT: 8.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 70 Resp: 54978

Ion	Ratio	Lower	Upper
70	100		
42	55.2	44.2	66.2
101	8.7	7.0	10.4
130	18.4	14.7	22.1



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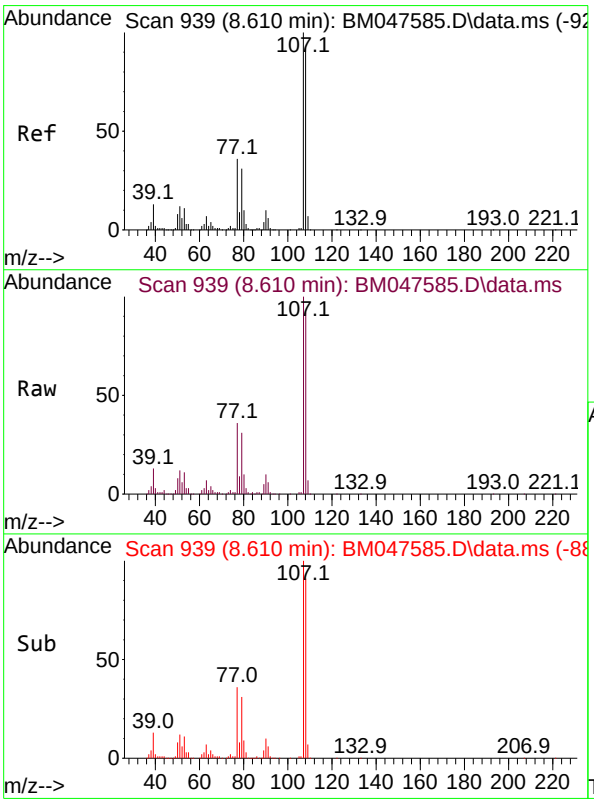
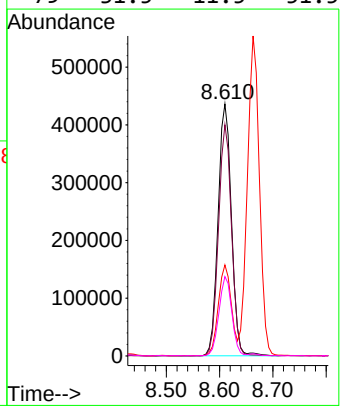
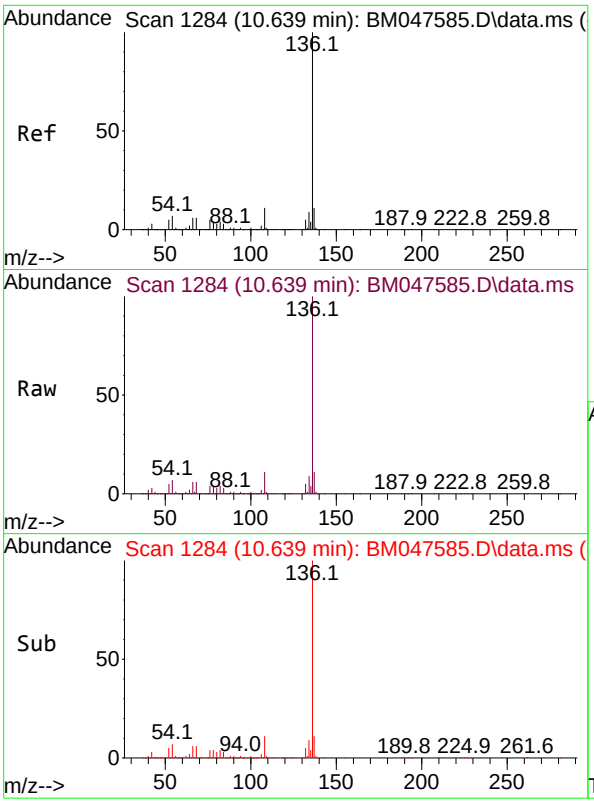


#20
3+4-Methylphenols
Concen: 39.881 ng
RT: 8.610 min Scan# 939
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:107 Resp: 757652

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.8	111.8
77	36.1	16.1	56.1
79	31.5	11.5	51.5

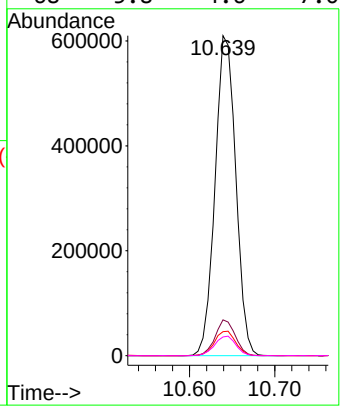




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:136 Resp: 103121

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.5	6.0	9.0
68	5.8	4.6	7.0



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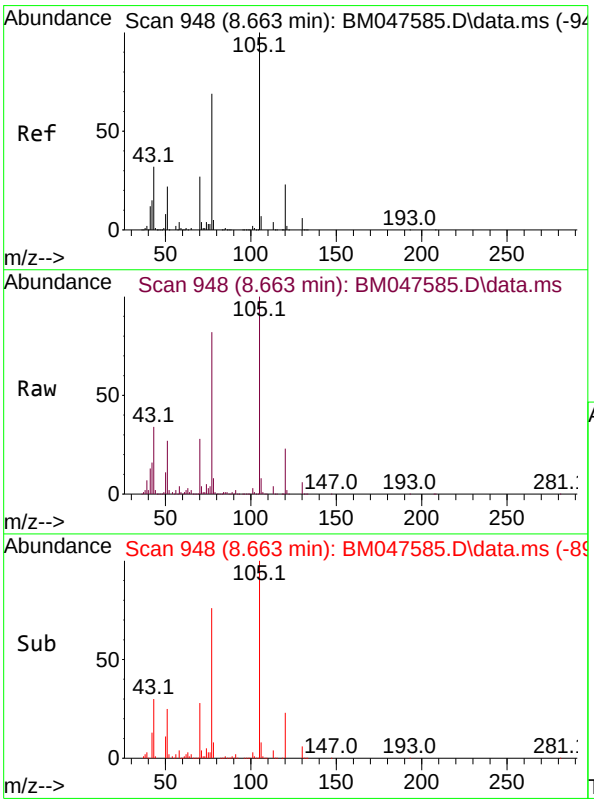
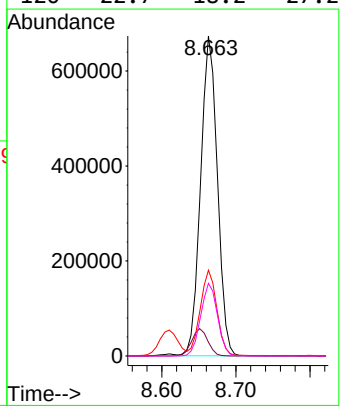
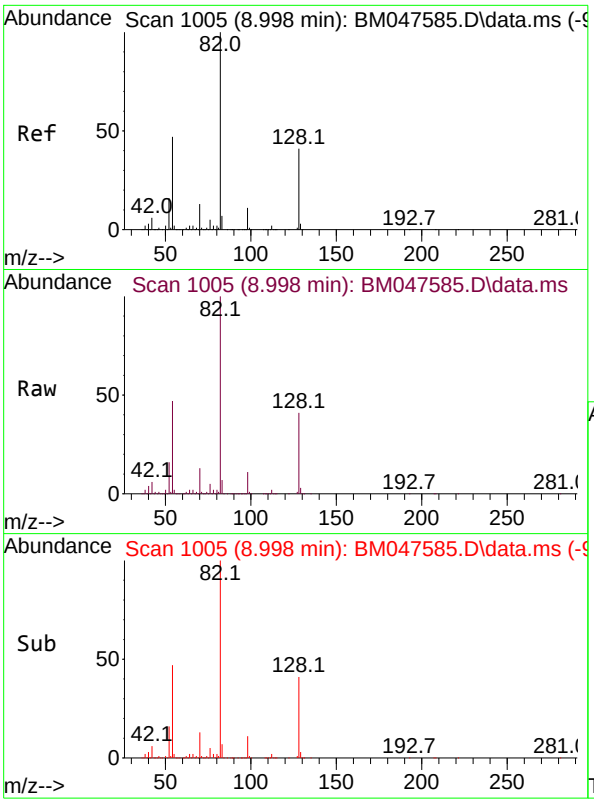


#22
Acetophenone
Concen: 39.403 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:105 Resp: 1058609

Ion	Ratio	Lower	Upper
105	100		
71	4.3	3.4	5.2
51	26.8	21.4	32.2
120	22.7	18.2	27.2





#23
Nitrobenzene-d5
Concen: 80.459 ng
RT: 8.998 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 82 Resp: 166671

Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.5	48.7
54	46.9	37.5	56.3

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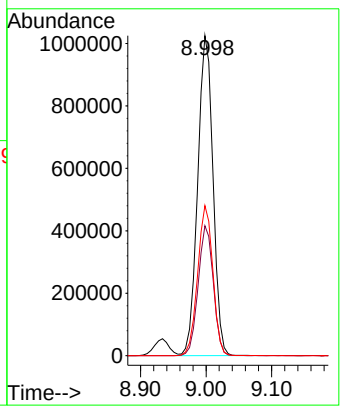
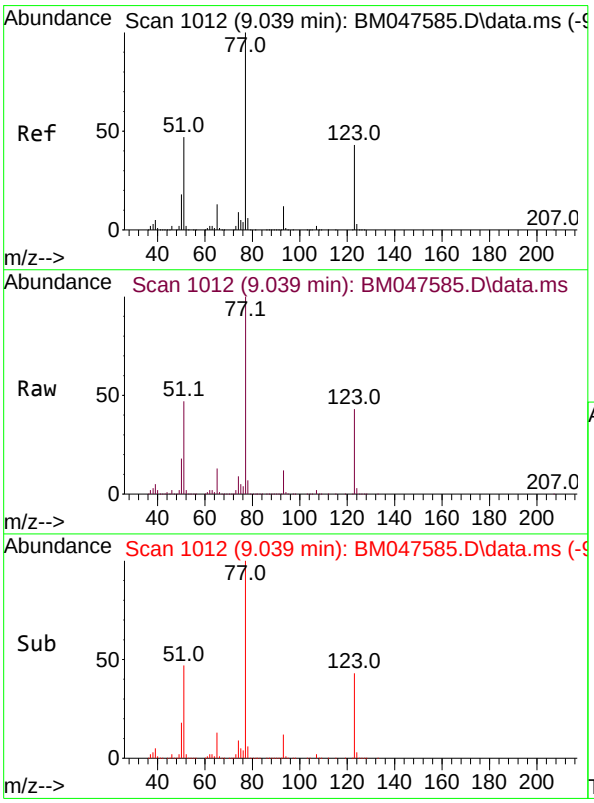
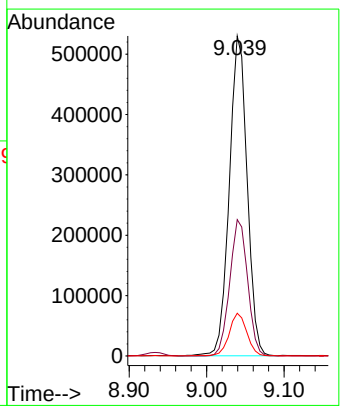


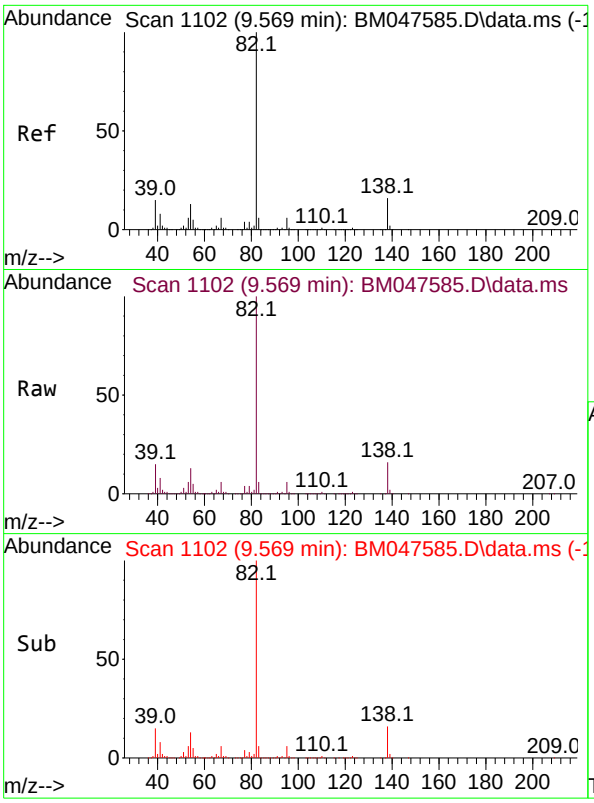


#24
Nitrobenzene
Concen: 39.716 ng
RT: 9.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 77 Resp: 849762

Ion	Ratio	Lower	Upper
77	100		
123	42.6	34.1	51.1
65	13.4	10.7	16.1

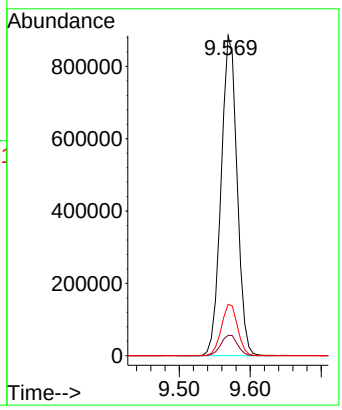




#25
Isophorone
Concen: 39.826 ng
RT: 9.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 82 Resp: 137872

Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.0	7.6
138	16.1	12.9	19.3



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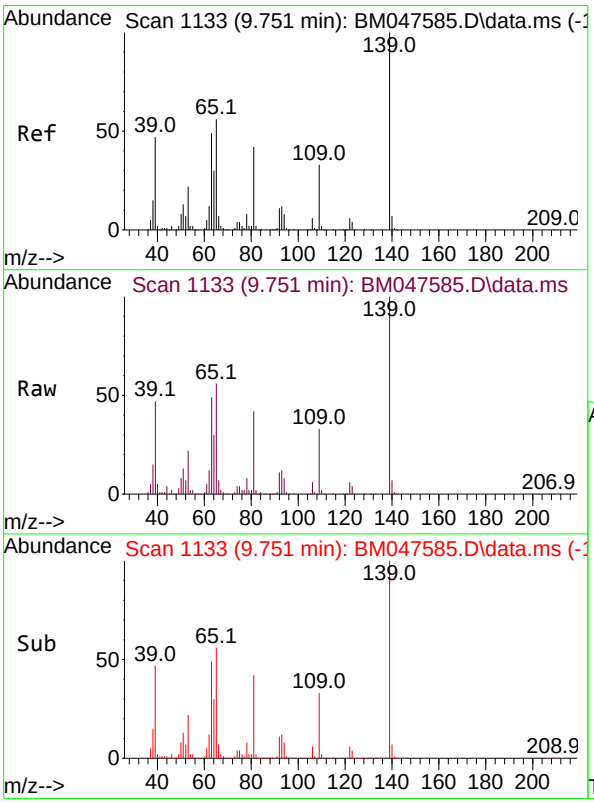
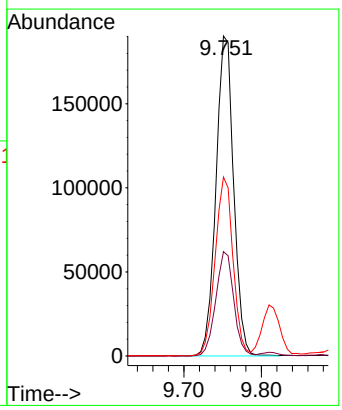
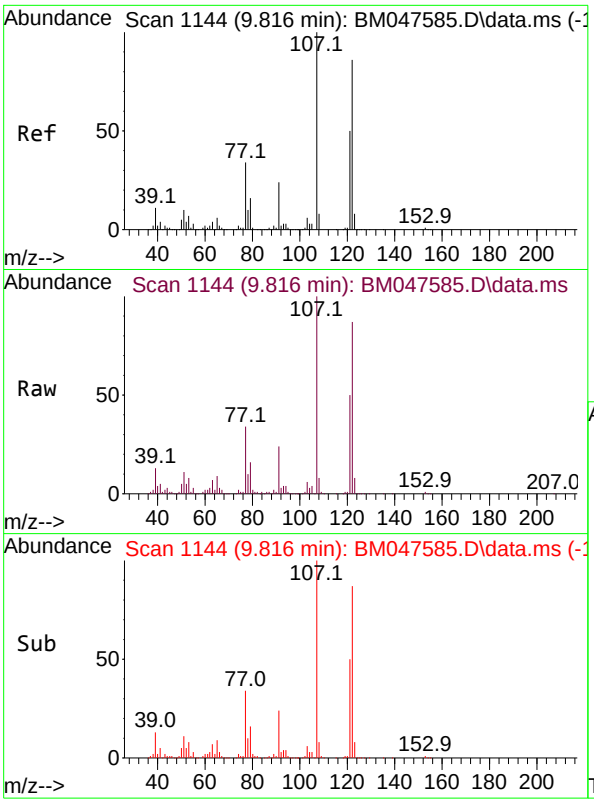


#26
2-Nitrophenol
Concen: 40.205 ng
RT: 9.751 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:139 Resp: 302453

Ion	Ratio	Lower	Upper
139	100		
109	32.6	26.1	39.1
65	55.9	44.7	67.1

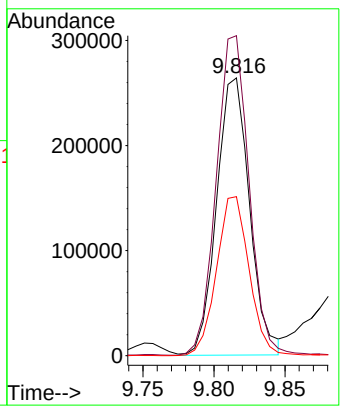




#27
2,4-Dimethylphenol
Concen: 39.735 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:122 Resp: 42607

Ion	Ratio	Lower	Upper
122	100		
107	115.2	92.2	138.2
121	57.2	45.8	68.6



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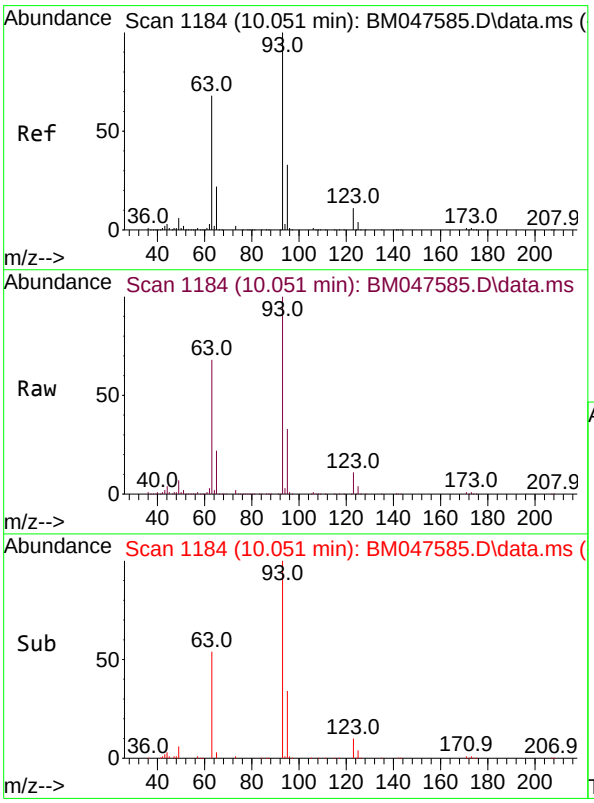
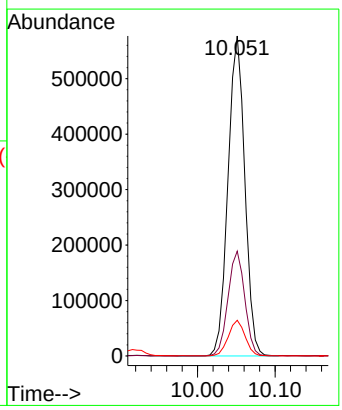
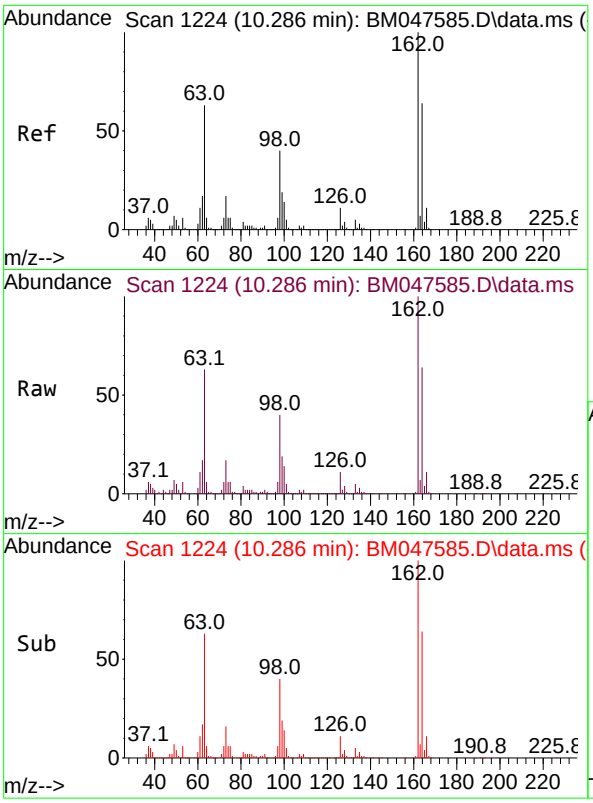


#28
bis(2-Chloroethoxy)methane
Concen: 39.148 ng
RT: 10.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 93 Resp: 871862

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.2	9.0	13.4

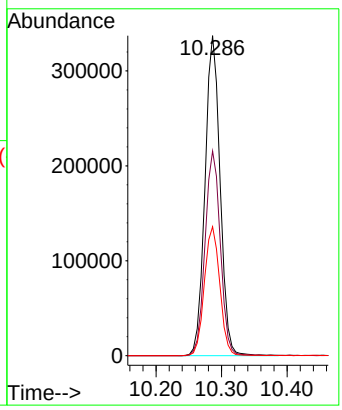




#29
2,4-Dichlorophenol
Concen: 39.948 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:162 Resp: 54152

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	40.3	20.3	60.3



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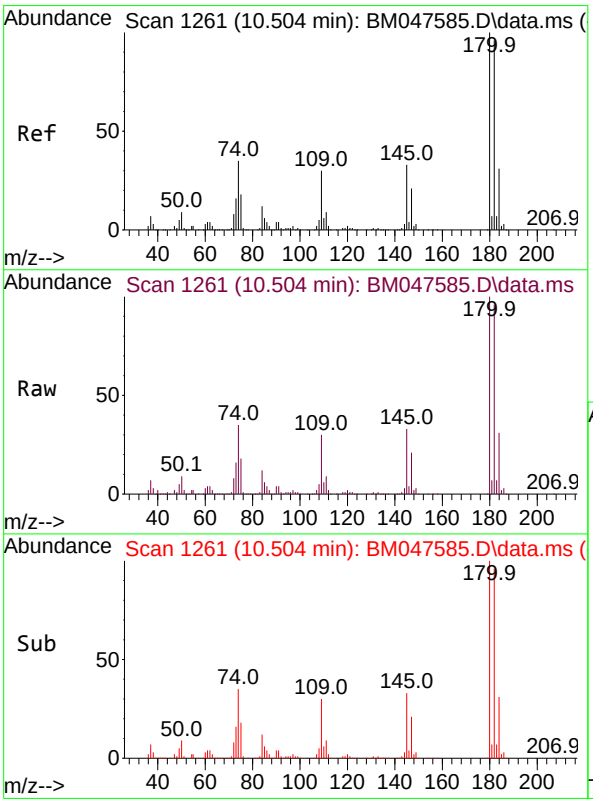
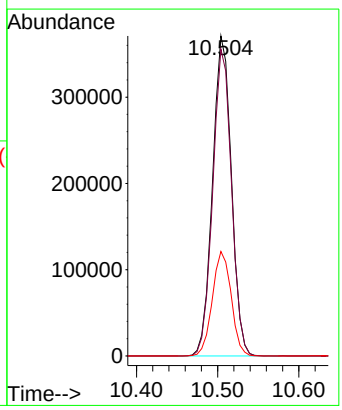
Supervised By :mohammad ahmed 09/24/2024

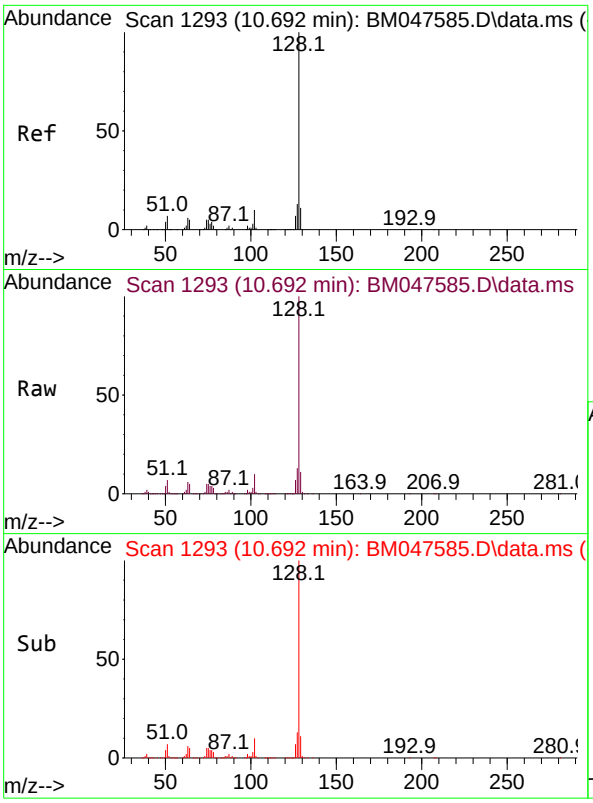


#30
1,2,4-Trichlorobenzene
Concen: 38.661 ng
RT: 10.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:180 Resp: 597321

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	32.7	26.2	39.2

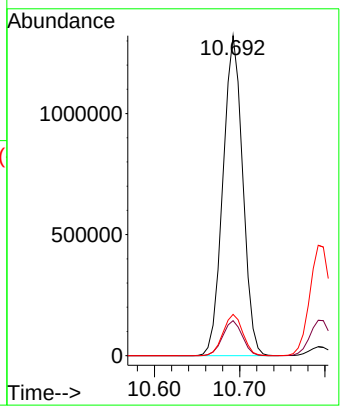




#31
Naphthalene
Concen: 39.044 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:128 Resp: 213014

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.9	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
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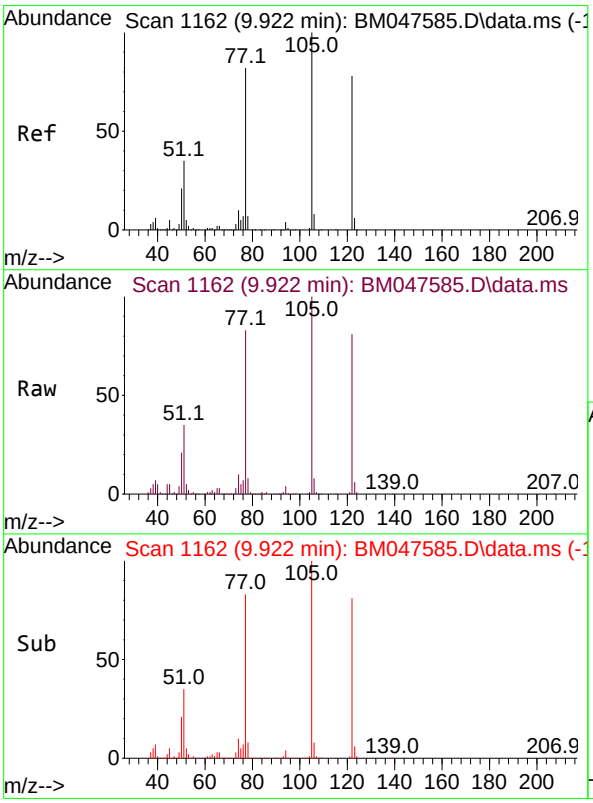
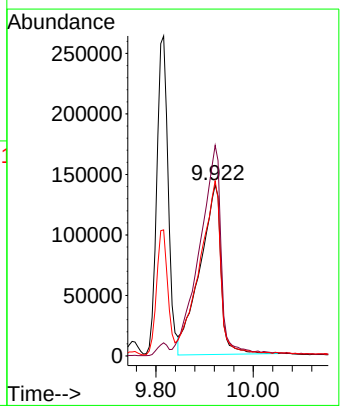
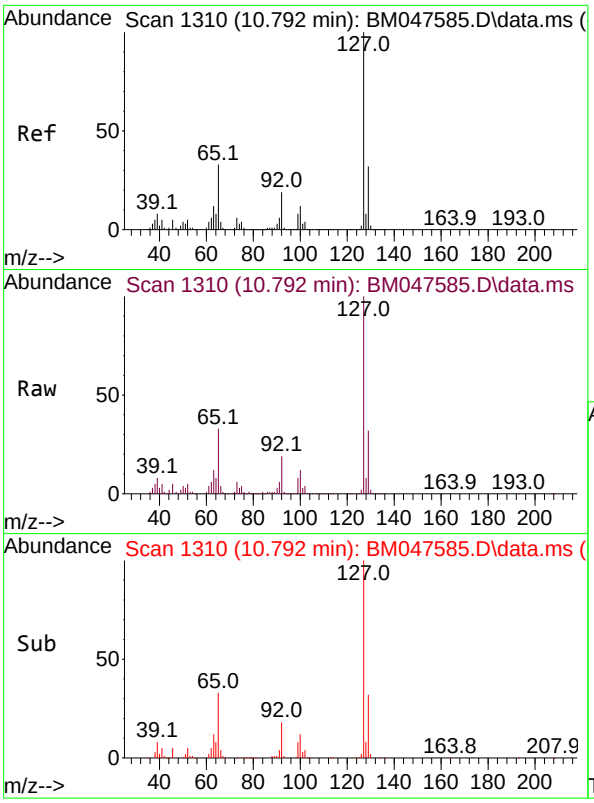


#32
Benzoic acid
Concen: 42.056 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:122 Resp: 420907

Ion	Ratio	Lower	Upper
122	100		
105	123.1	103.1	143.1
77	102.4	82.4	122.4

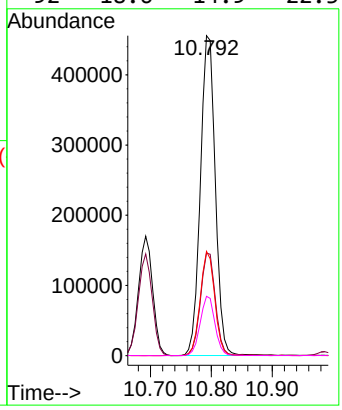




#33
4-Chloroaniline
Concen: 40.518 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:127 Resp: 77934

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.6	38.4
65	32.6	26.1	39.1
92	18.6	14.9	22.3



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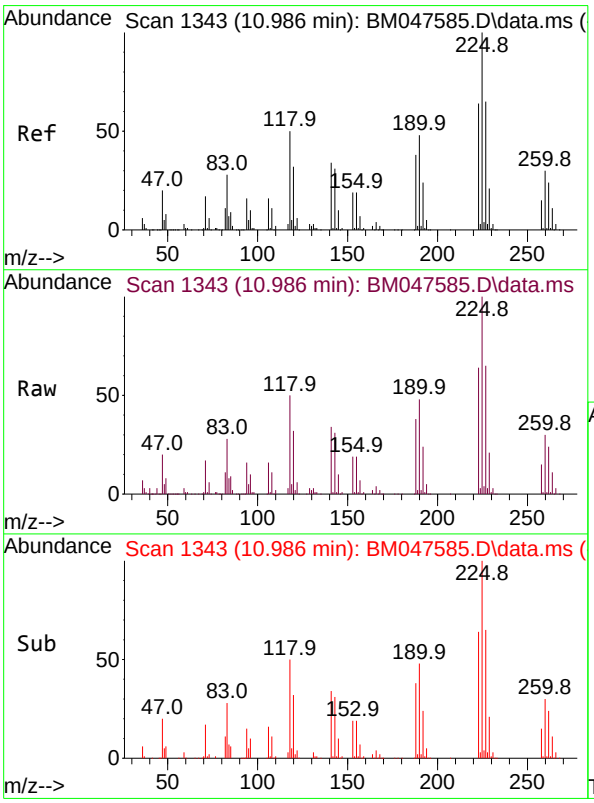
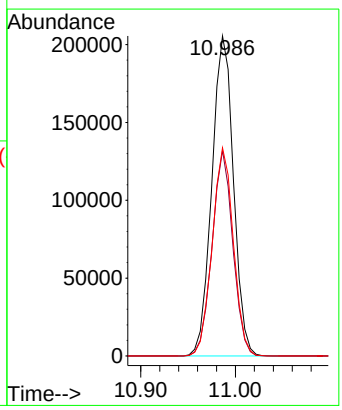
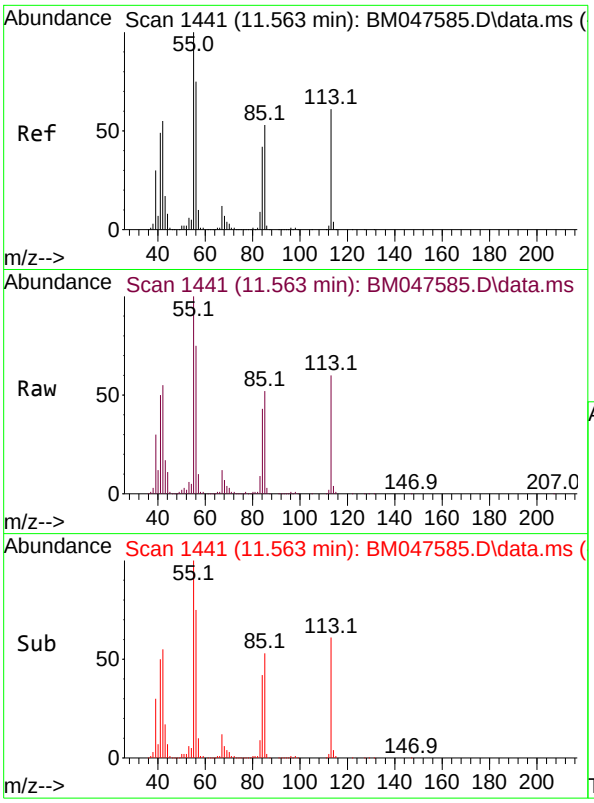


#34
Hexachlorobutadiene
Concen: 38.725 ng
RT: 10.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:225 Resp: 325602

Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.4	77.0
227	65.1	52.1	78.1

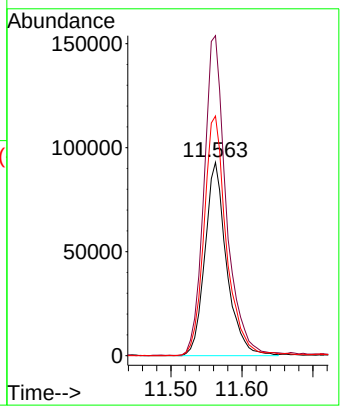




#35
Caprolactam
Concen: 42.006 ng
RT: 11.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:113 Resp: 19682

Ion	Ratio	Lower	Upper
113	100		
55	165.5	145.5	185.5
56	123.9	103.9	143.9



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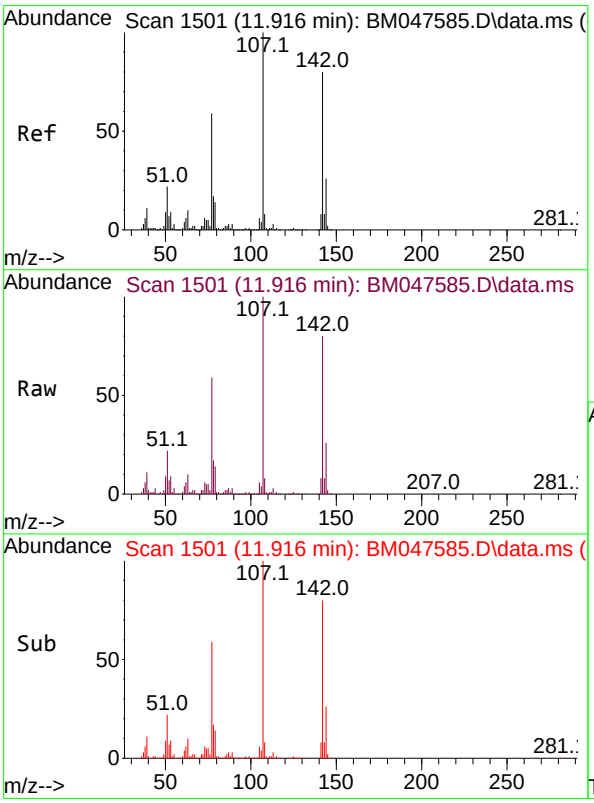
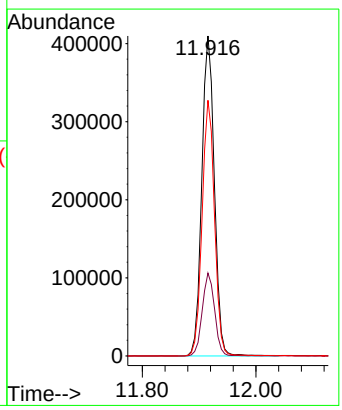
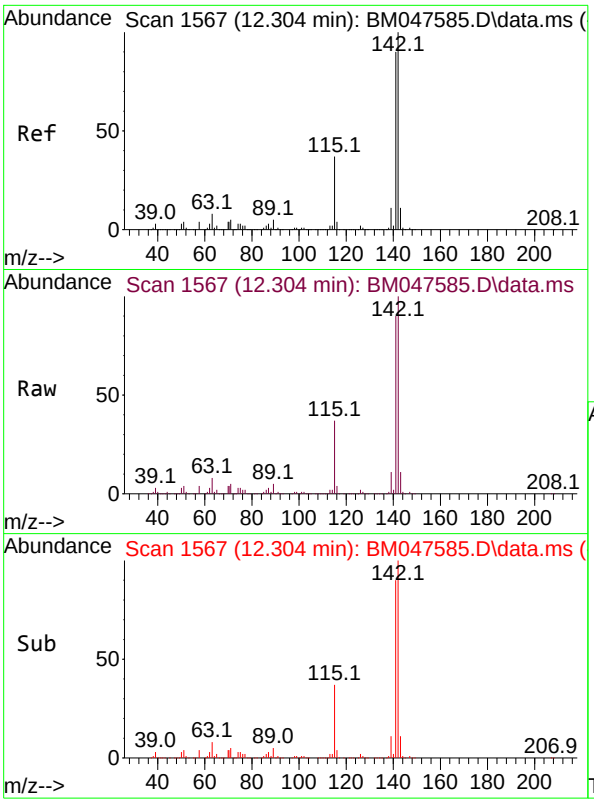


#36
4-Chloro-3-methylphenol
Concen: 40.640 ng
RT: 11.916 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:107 Resp: 628554

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.7	31.1
142	79.9	63.9	95.9

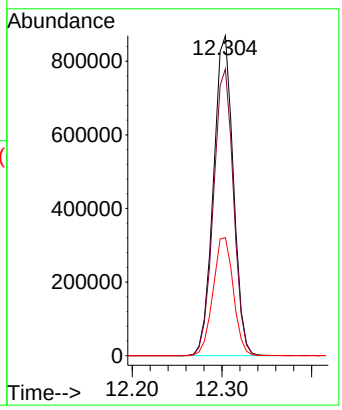




#37
2-Methylnaphthalene
Concen: 39.052 ng
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:142 Resp: 133854

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	36.9	29.5	44.3



Instrument :
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ClientSampleId :
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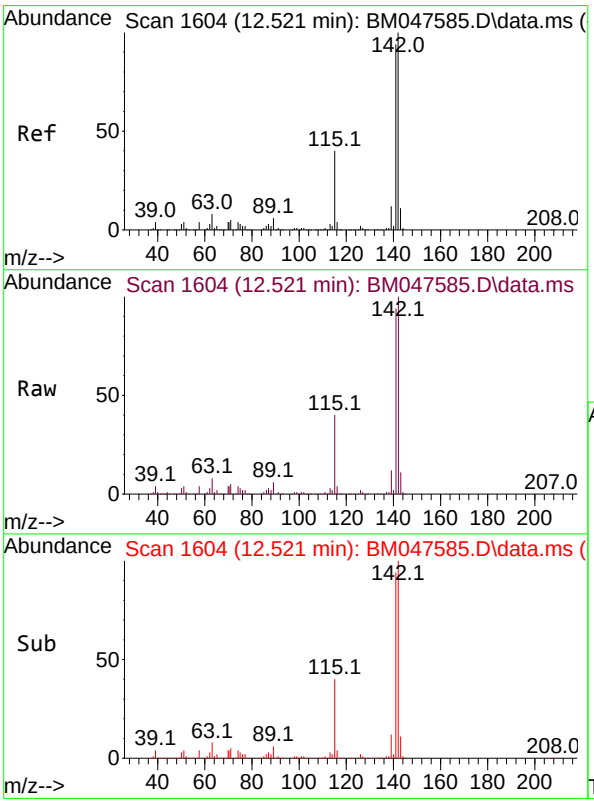
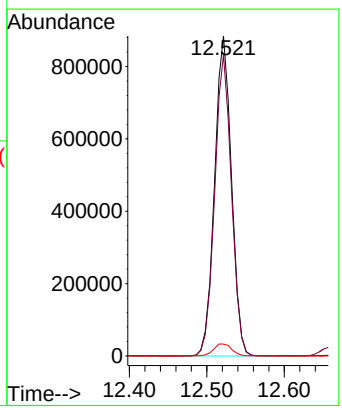
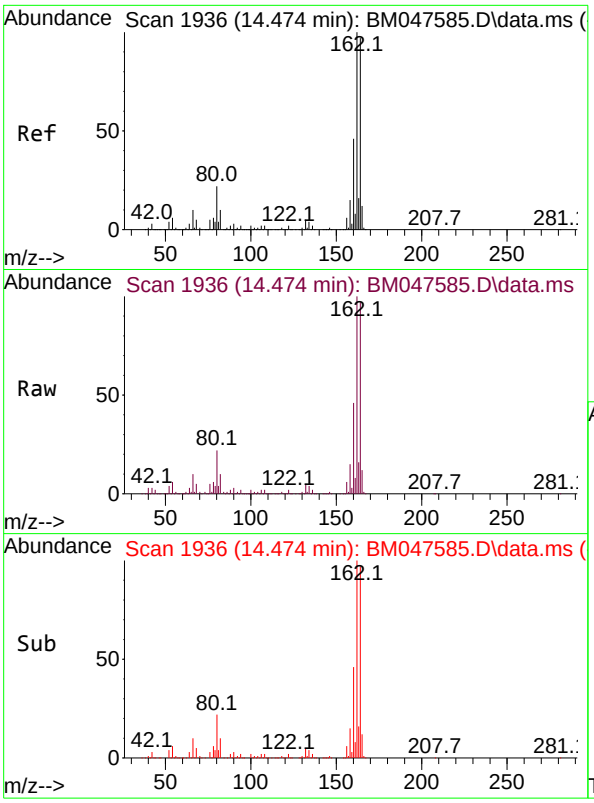


#38
1-Methylnaphthalene
Concen: 39.317 ng
RT: 12.521 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:142 Resp: 1336892

Ion	Ratio	Lower	Upper
142	100		
141	94.1	75.3	112.9
116	3.7	3.0	4.4

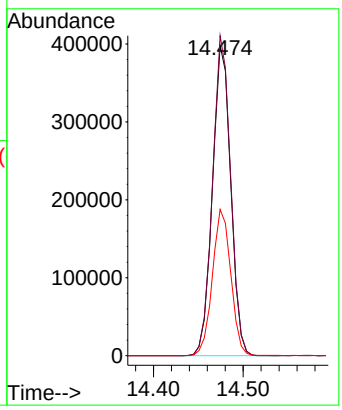




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:164 Resp: 56175

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	47.2	37.8	56.6



Instrument :
BNA_M
ClientSampleId :
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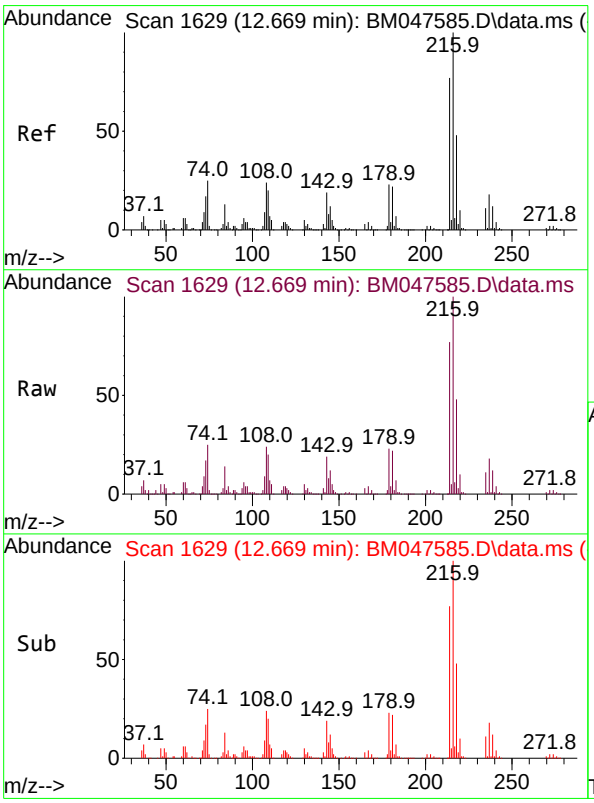
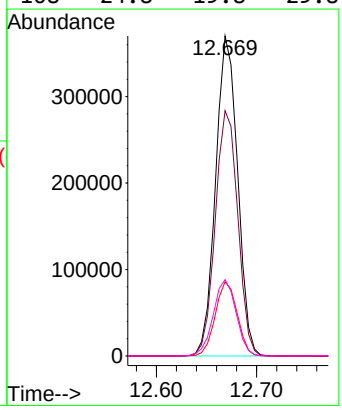
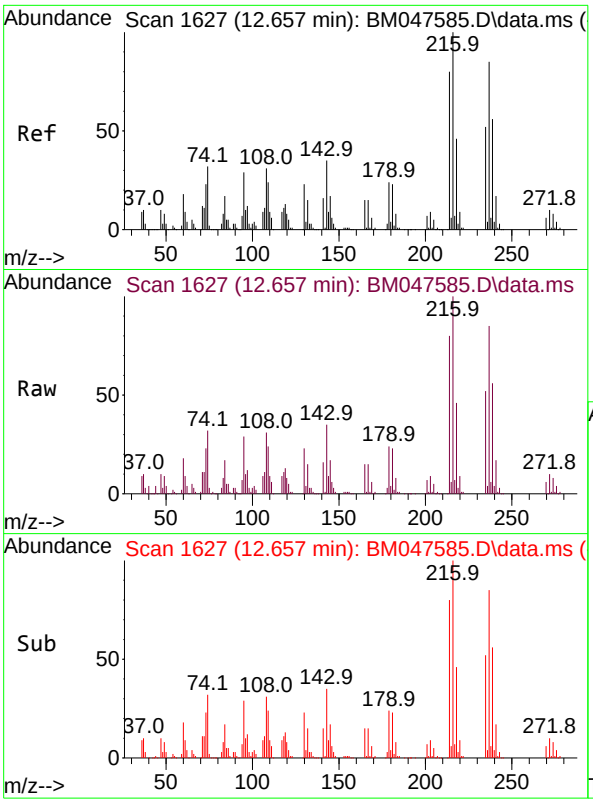


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.012 ng
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:216 Resp: 563507

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.8	94.2
179	23.1	18.5	27.7
108	24.8	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 38.386 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 18787

Ion	Ratio	Lower	Upper
237	100		
235	61.2	41.2	81.2
272	12.0	0.0	32.0

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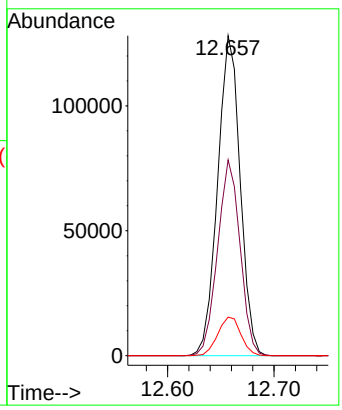
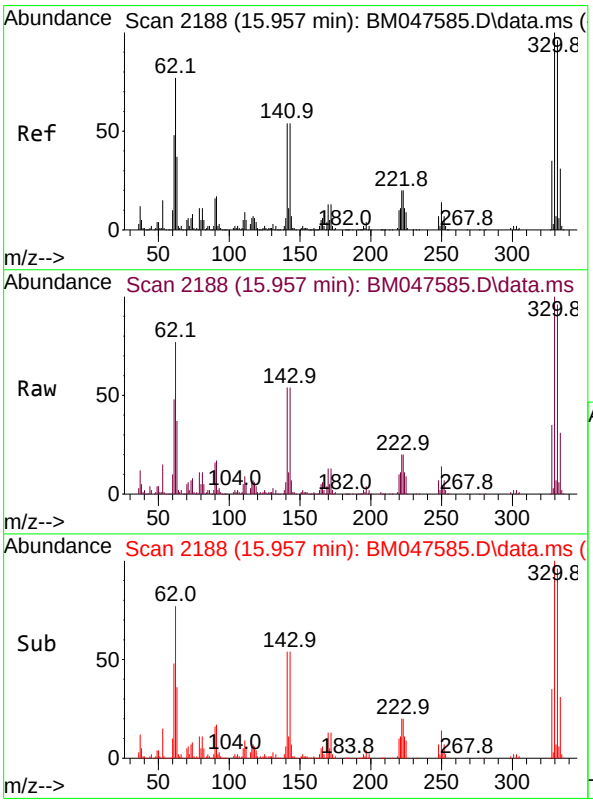
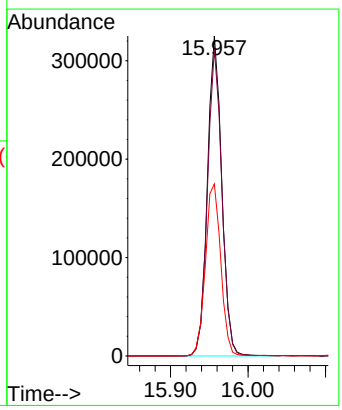


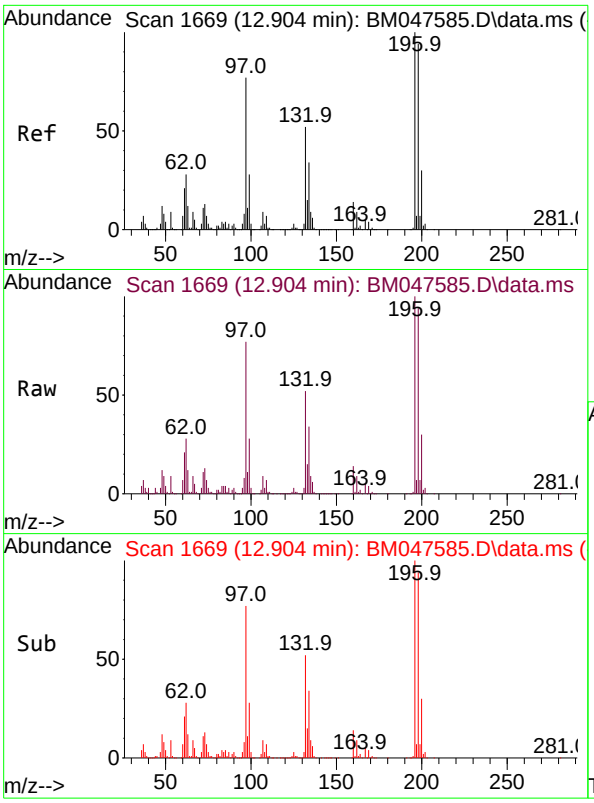


#42
2,4,6-Tribromophenol
Concen: 80.672 ng
RT: 15.957 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:330 Resp: 419629

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.4
141	57.4	45.9	68.9





#43
2,4,6-Trichlorophenol
Concen: 39.602 ng
RT: 12.904 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:196 Resp: 38154

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
200	30.4	24.3	36.5

Instrument :
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ClientSampleId :
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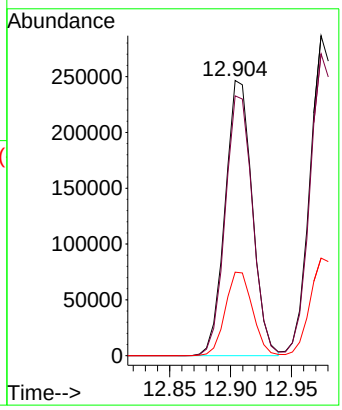
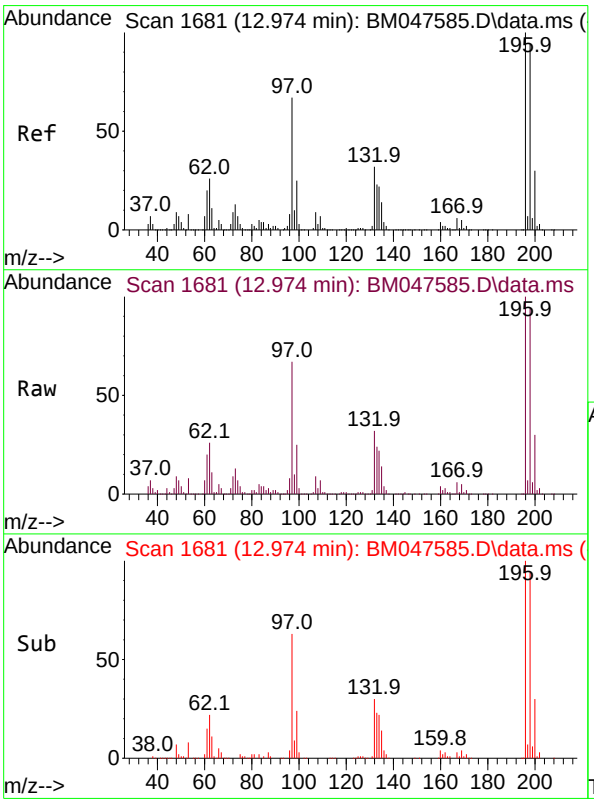
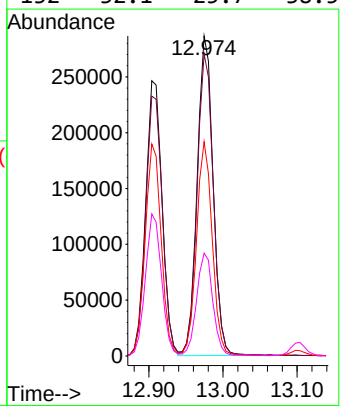


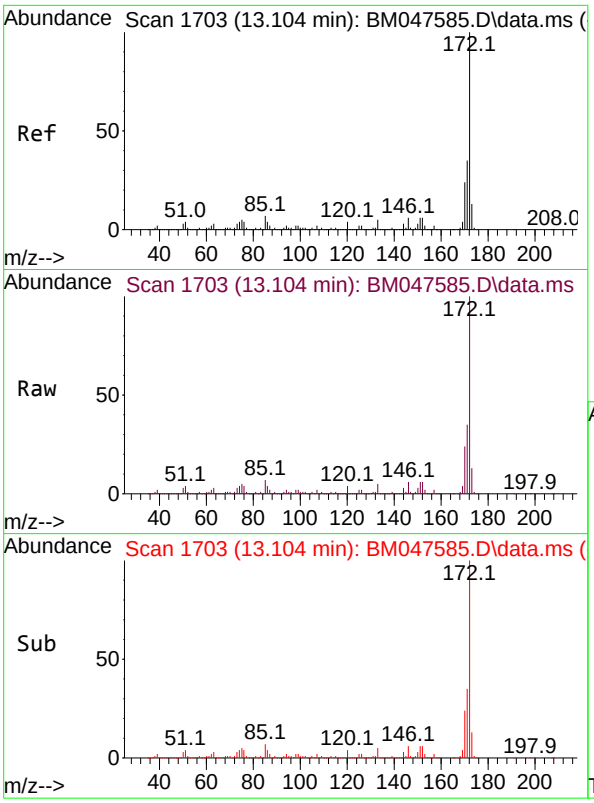


#44
2,4,5-Trichlorophenol
Concen: 39.576 ng
RT: 12.974 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:196 Resp: 428583

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	66.9	53.5	80.3
132	32.1	25.7	38.5

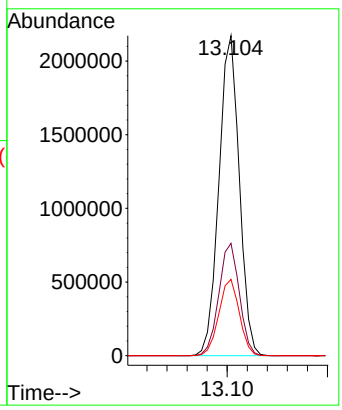




#45
2-Fluorobiphenyl
Concen: 77.149 ng
RT: 13.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:172 Resp: 306287

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.8	19.0	28.6



Instrument :
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ClientSampleId :
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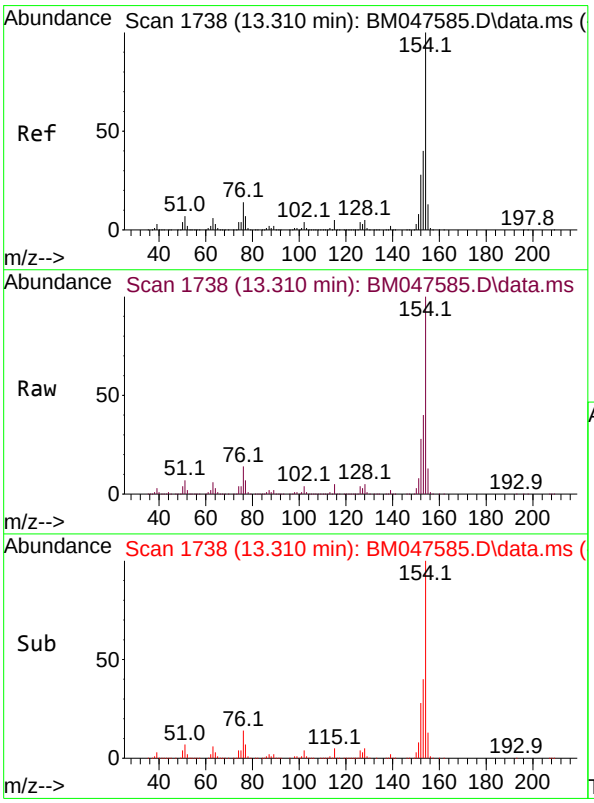
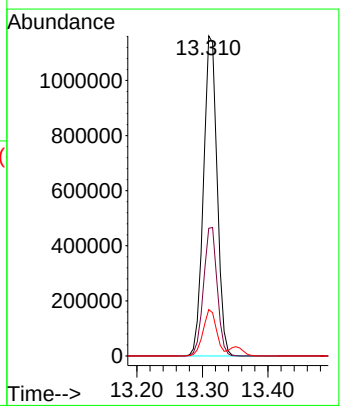
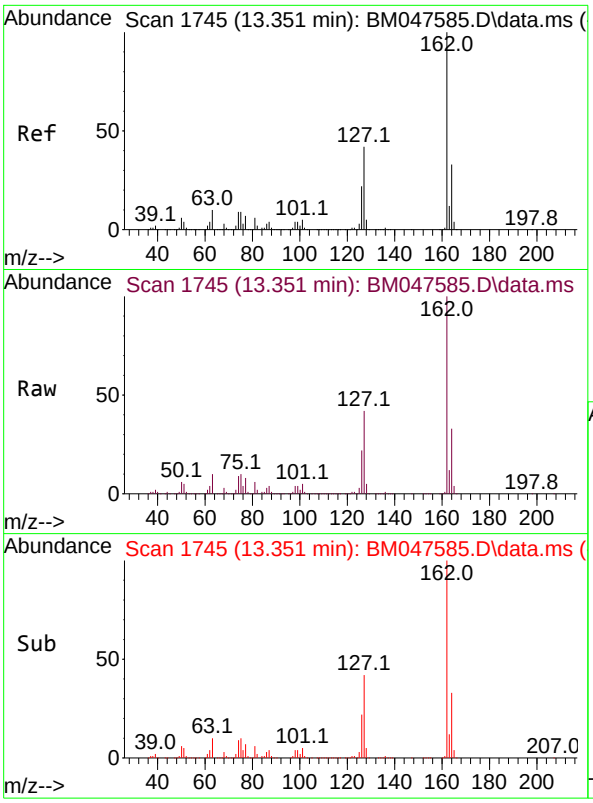


#46
1,1'-Biphenyl
Concen: 38.790 ng
RT: 13.310 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:154 Resp: 1682815

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	14.5	0.0	34.5

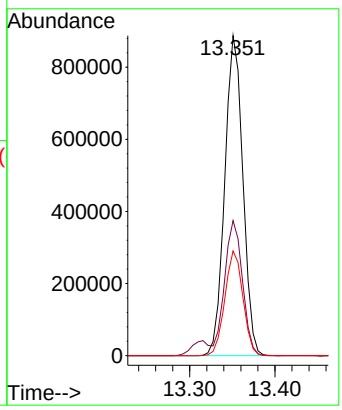




#47
2-Chloronaphthalene
Concen: 38.583 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:162 Resp: 130973

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	32.8	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
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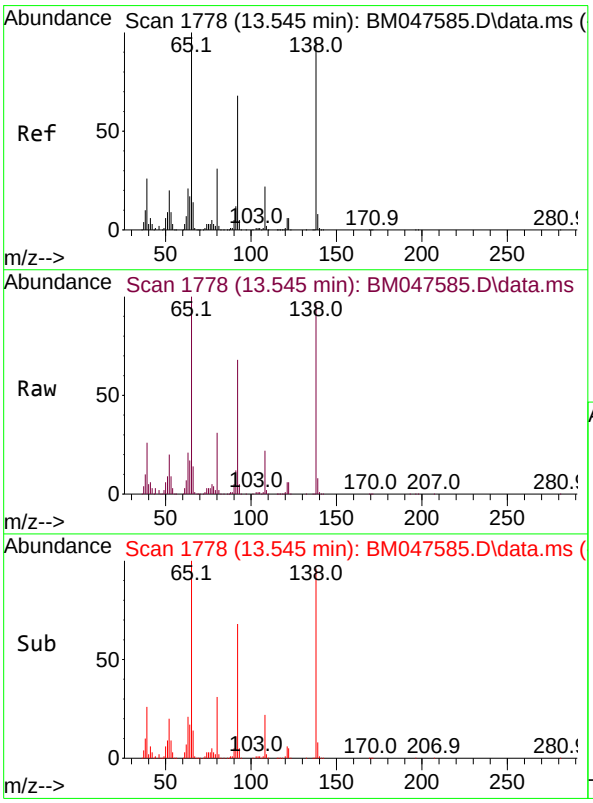
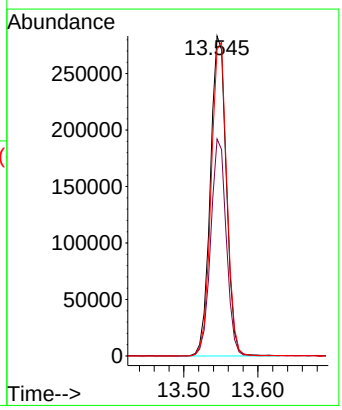
Supervised By :mohammad ahmed 09/24/2024

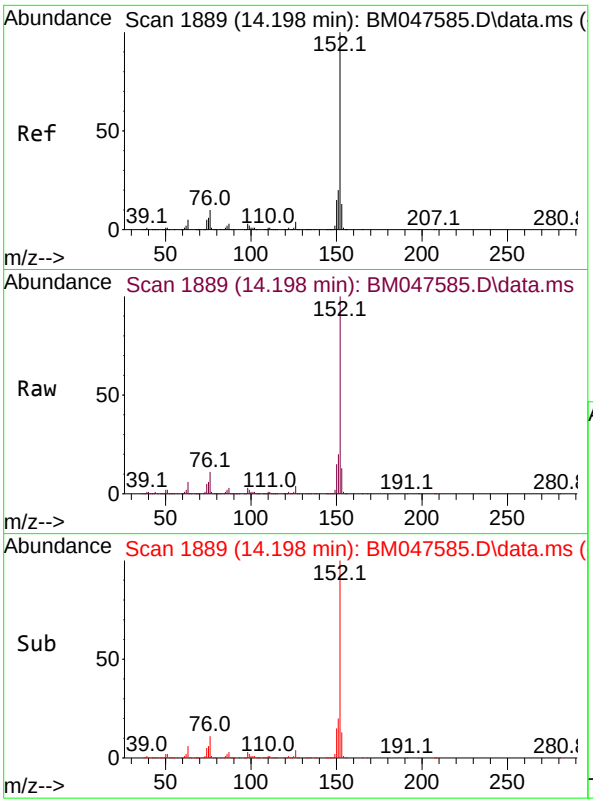


#48
2-Nitroaniline
Concen: 41.759 ng
RT: 13.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 65 Resp: 423374

Ion	Ratio	Lower	Upper
65	100		
92	67.8	54.2	81.4
138	95.7	76.6	114.8

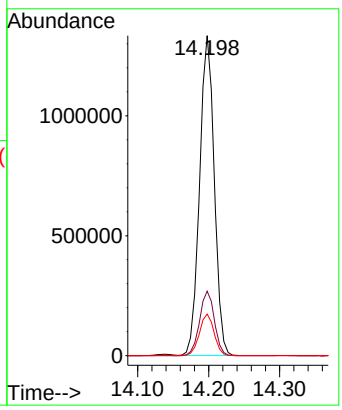




#49
Acenaphthylene
Concen: 39.342 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:152 Resp: 192183

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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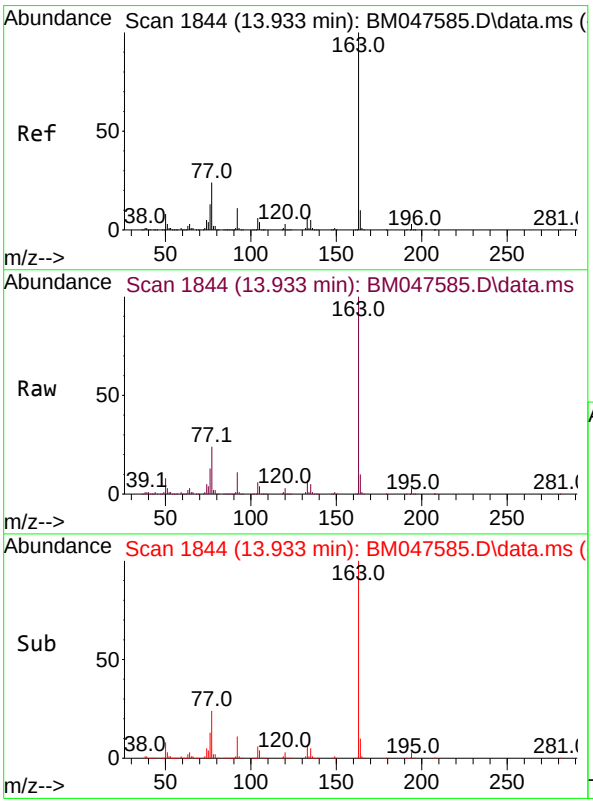
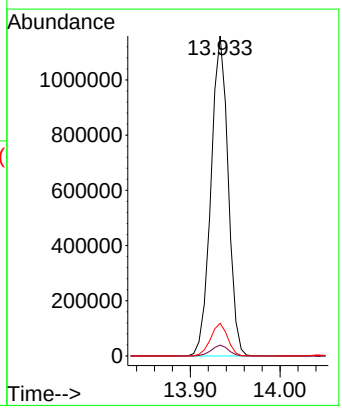
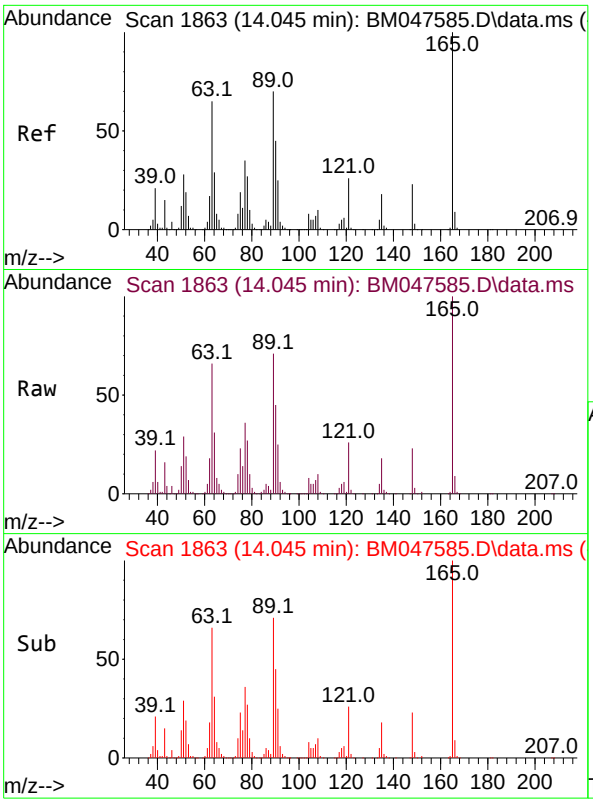


#50
Dimethylphthalate
Concen: 39.703 ng
RT: 13.933 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:163 Resp: 1539920

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.2	8.2	12.2

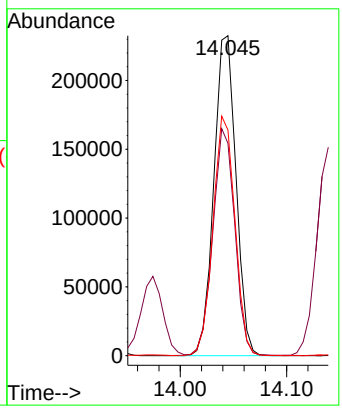




#51
2,6-Dinitrotoluene
Concen: 41.125 ng
RT: 14.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:165 Resp: 33419

Ion	Ratio	Lower	Upper
165	100		
63	66.3	53.0	79.6
89	70.5	56.4	84.6



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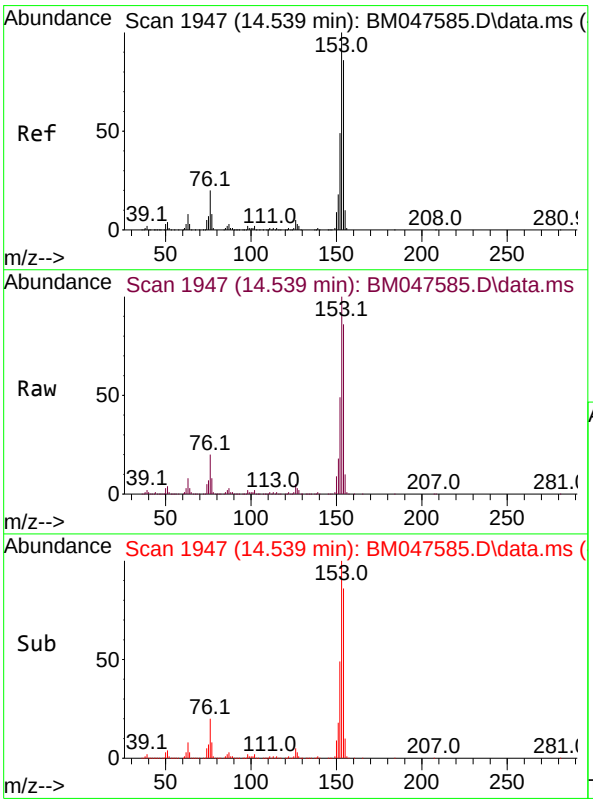
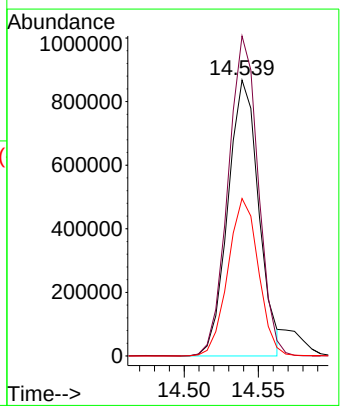
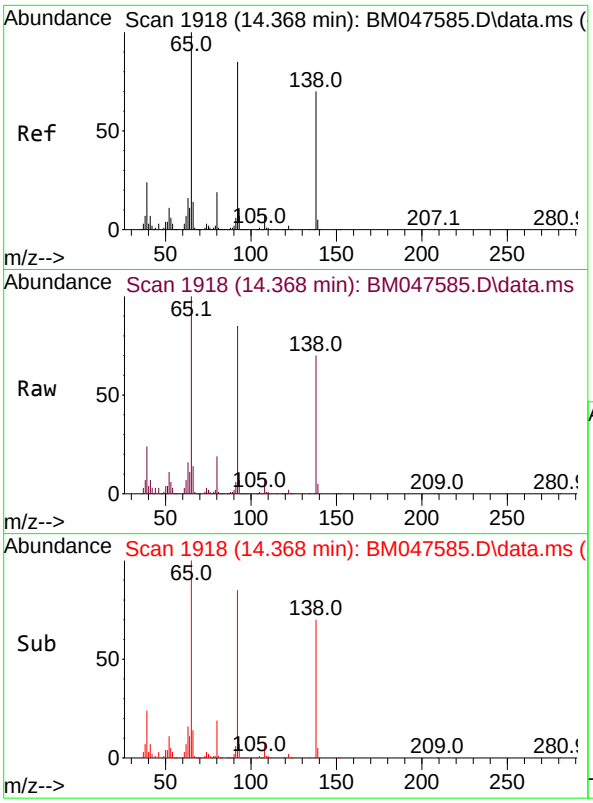


#52
Acenaphthene
Concen: 38.731 ng m
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:154 Resp: 1250210

Ion	Ratio	Lower	Upper
154	100		
153	116.0	92.8	139.2
152	57.1	45.7	68.5





#53
3-Nitroaniline
Concen: 42.109 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:138 Resp: 39246

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	121.3	97.0	145.6

Instrument :
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ClientSampleId :
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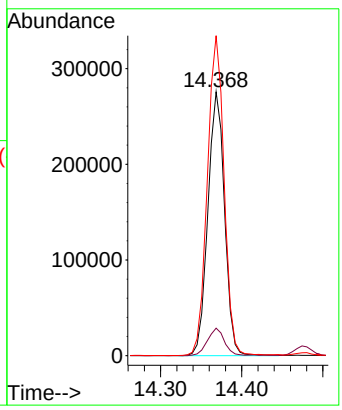
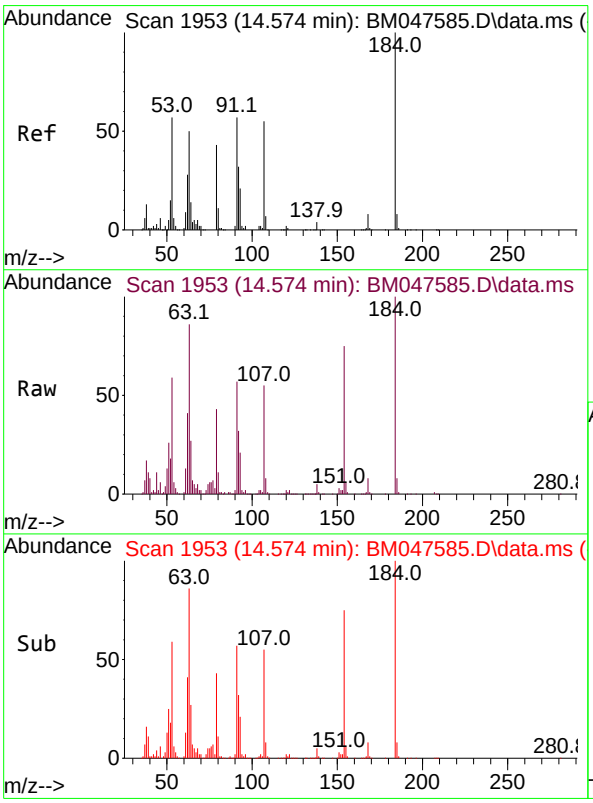
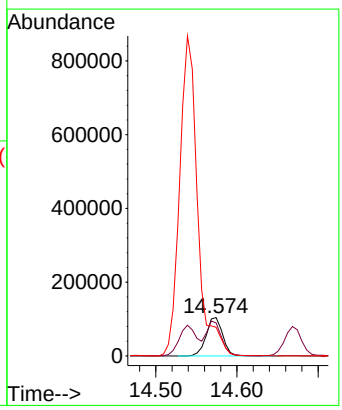


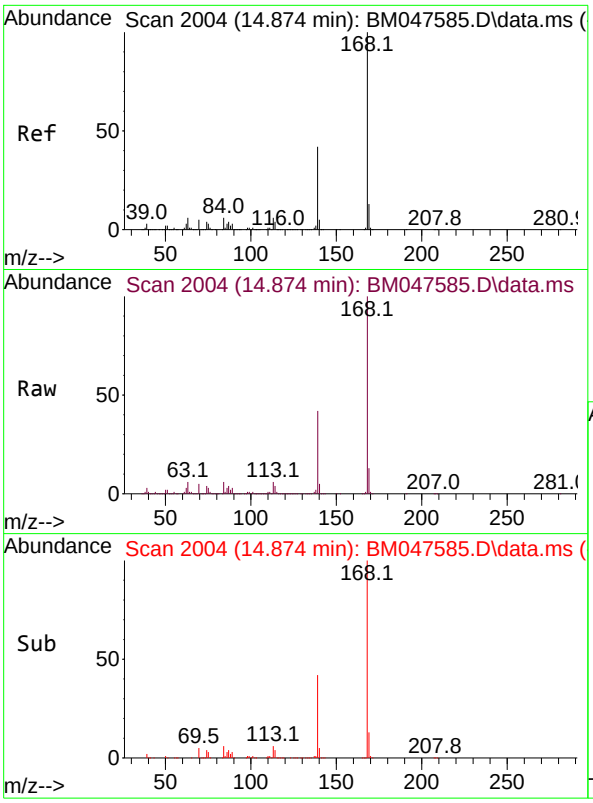


#54
2,4-Dinitrophenol
Concen: 39.982 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:184 Resp: 147290

Ion	Ratio	Lower	Upper
184	100		
63	86.3	69.0	103.6
154	74.6	59.7	89.5

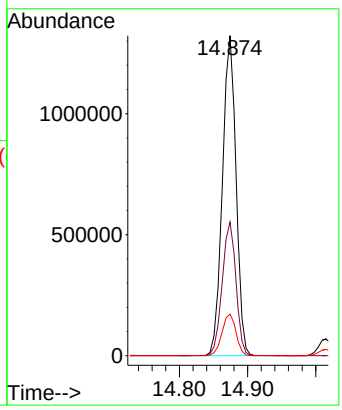




#55
Dibenzofuran
Concen: 39.076 ng
RT: 14.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:168 Resp: 184284

Ion	Ratio	Lower	Upper
168	100		
139	41.8	33.4	50.2
169	13.0	10.4	15.6



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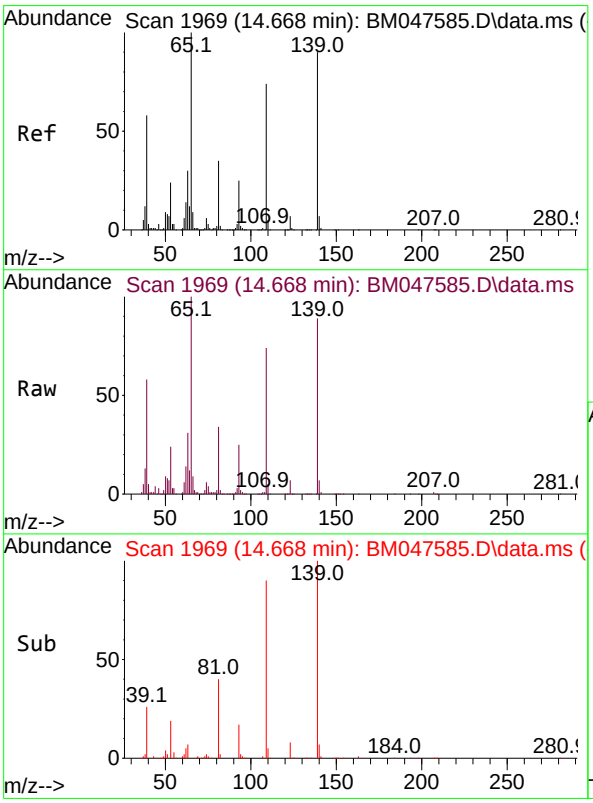
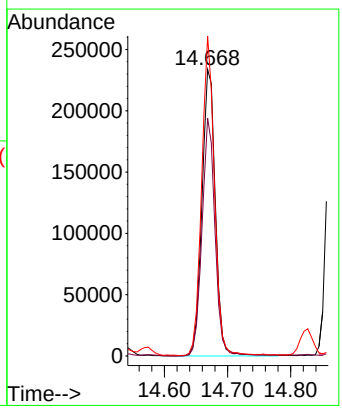
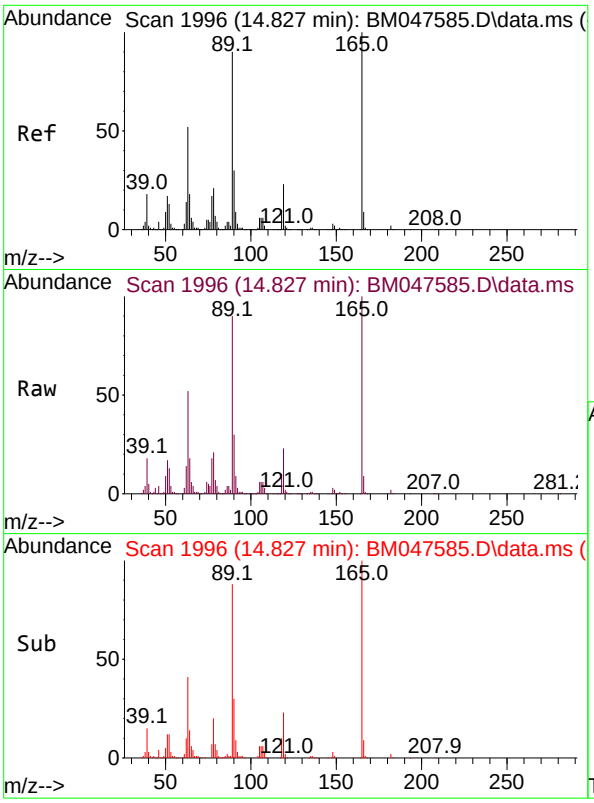


#56
4-Nitrophenol
Concen: 43.118 ng
RT: 14.668 min Scan# 1969
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:139 Resp: 344356

Ion	Ratio	Lower	Upper
139	100		
109	83.1	63.1	103.1
65	111.8	91.8	131.8

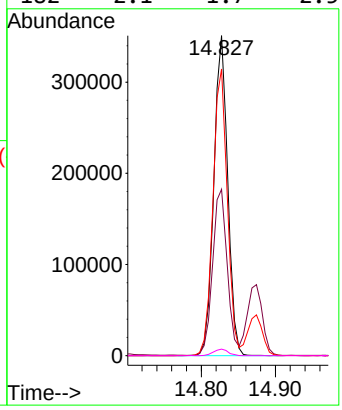




#57
2,4-Dinitrotoluene
Concen: 42.112 ng
RT: 14.827 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:165 Resp: 45599

Ion	Ratio	Lower	Upper
165	100		
63	52.0	41.6	62.4
89	89.6	71.7	107.5
182	2.1	1.7	2.5



Instrument :
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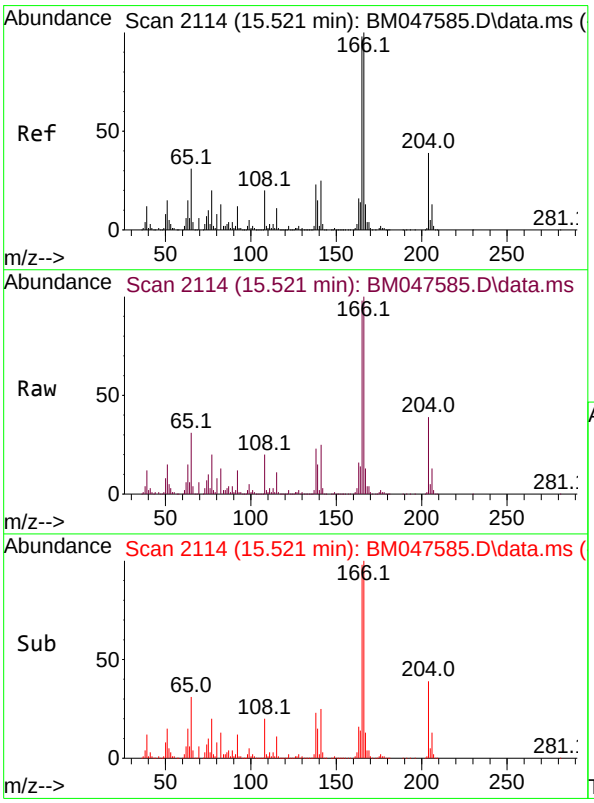
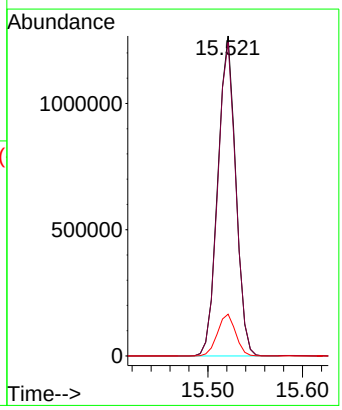
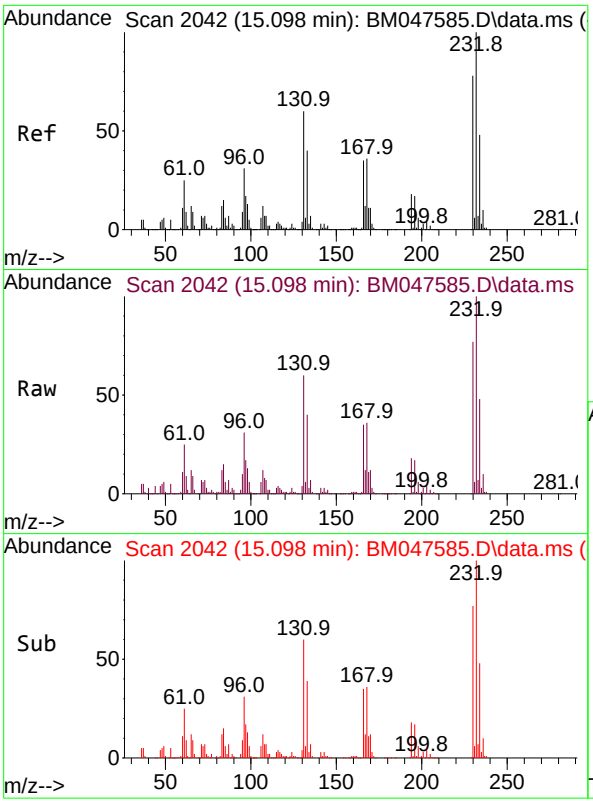


#58
Fluorene
Concen: 40.030 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:166 Resp: 1670793

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.4	117.6
167	13.1	10.5	15.7

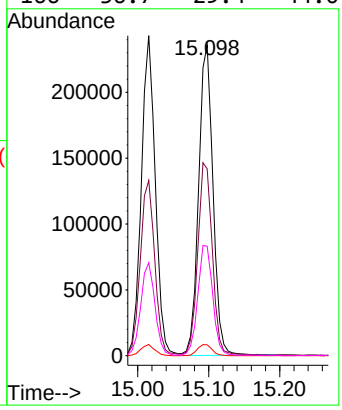




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.174 ng
RT: 15.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:232 Resp: 33256

Ion	Ratio	Lower	Upper
232	100		
131	62.9	50.3	75.5
130	3.7	3.0	4.4
166	36.7	29.4	44.0



Instrument :
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ClientSampleId :
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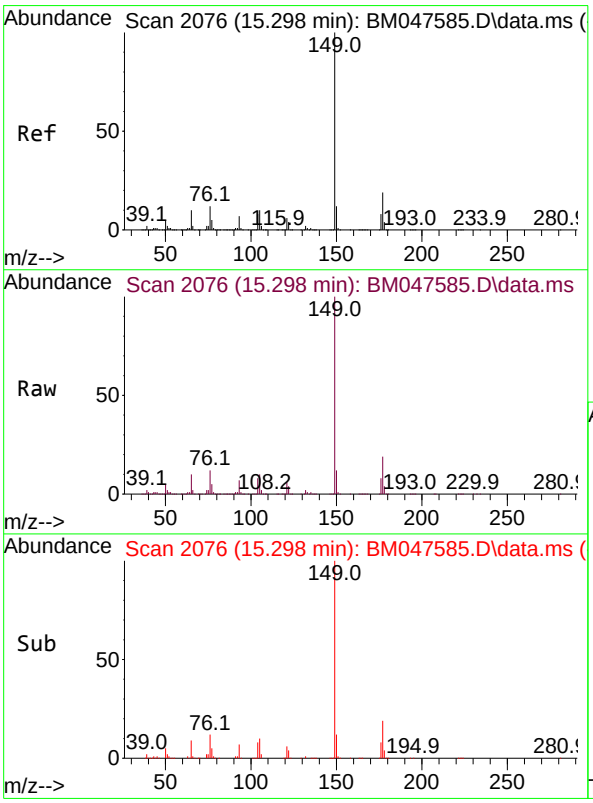
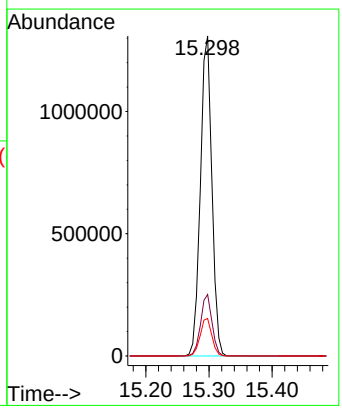
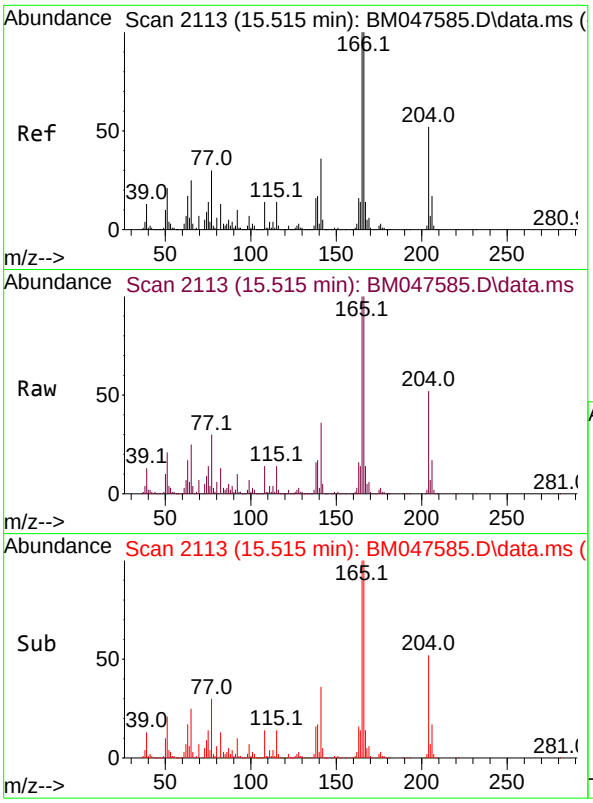


#60
Diethylphthalate
Concen: 40.043 ng
RT: 15.298 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:149 Resp: 1655789

Ion	Ratio	Lower	Upper
149	100		
177	19.2	15.4	23.0
150	11.7	9.4	14.0

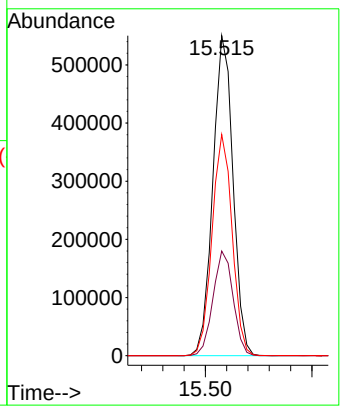




#61
4-Chlorophenyl-phenylether
Concen: 39.457 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:204 Resp: 71959

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	69.1	55.3	82.9



Instrument :
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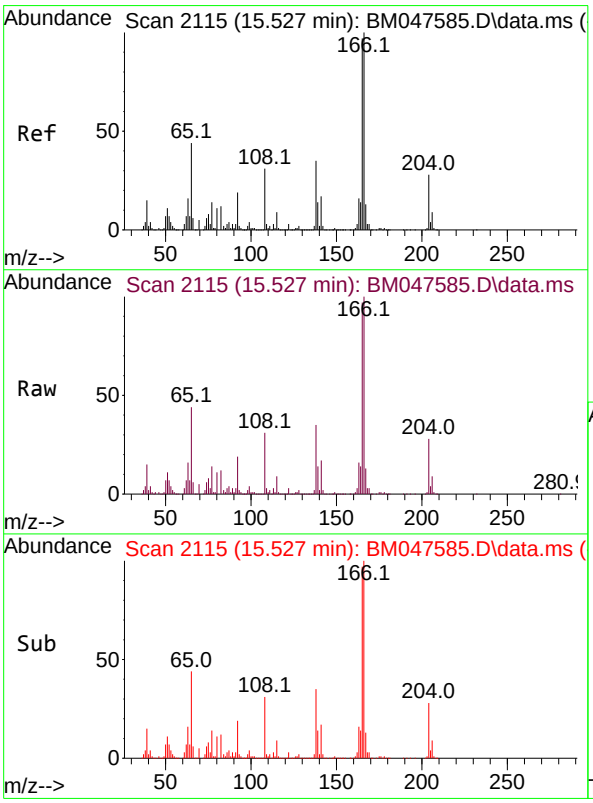
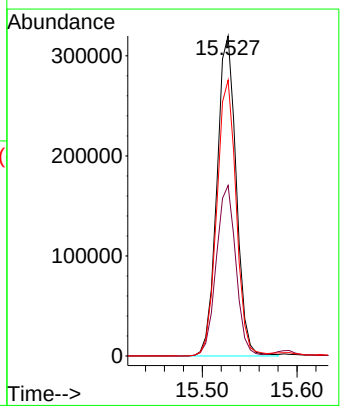
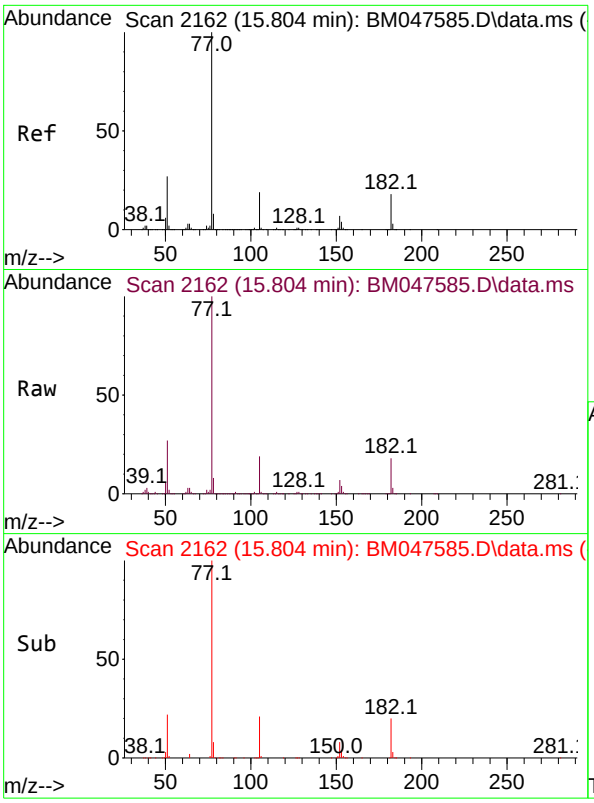


#62
4-Nitroaniline
Concen: 43.277 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:138 Resp: 454473

Ion	Ratio	Lower	Upper
138	100		
92	53.3	33.3	73.3
108	86.2	66.2	106.2

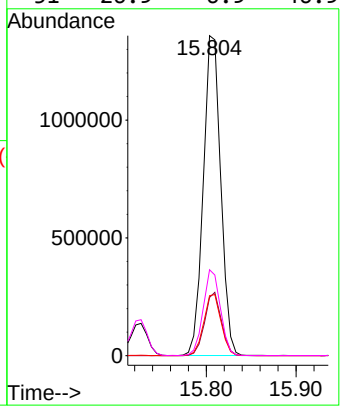




#63
Azobenzene
Concen: 40.518 ng
RT: 15.804 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion: 77 Resp: 183167

Ion	Ratio	Lower	Upper
77	100		
182	18.2	0.0	38.2
105	18.8	0.0	38.8
51	26.9	6.9	46.9



Instrument :
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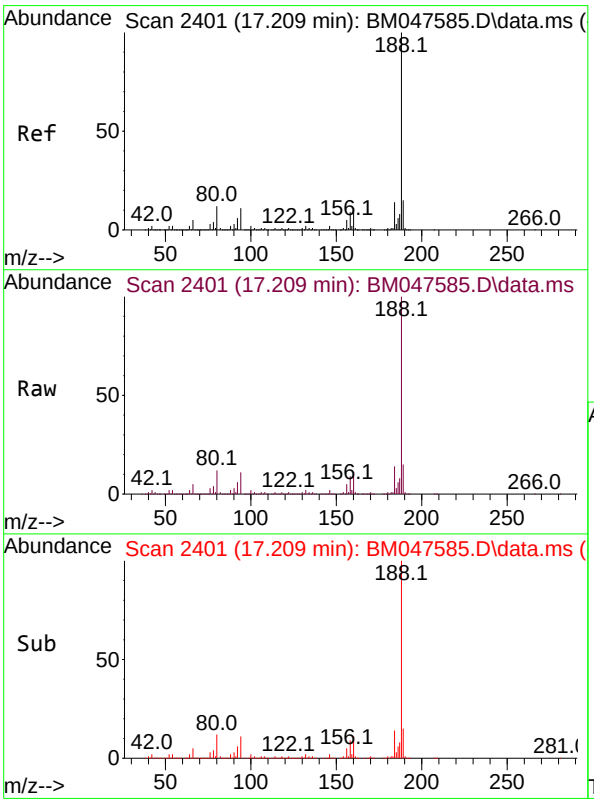
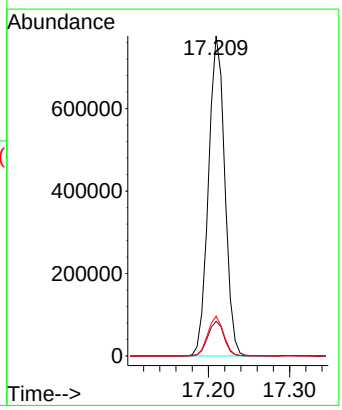
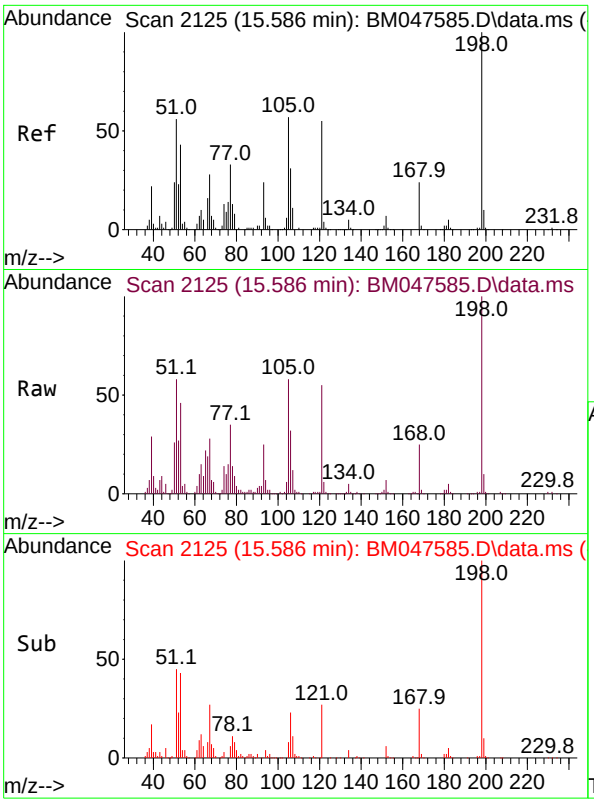


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:188 Resp: 1080469

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.4	9.9	14.9

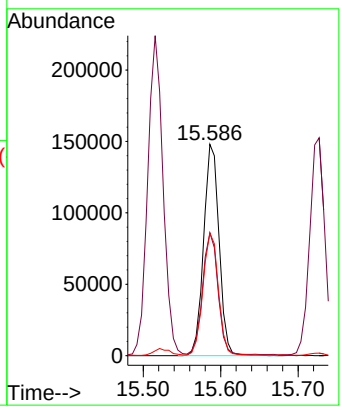




#65
4,6-Dinitro-2-methylphenol
Concen: 39.862 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:198 Resp: 20408

Ion	Ratio	Lower	Upper
198	100		
51	58.2	38.2	78.2
105	58.0	38.0	78.0



Instrument :
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ClientSampleId :
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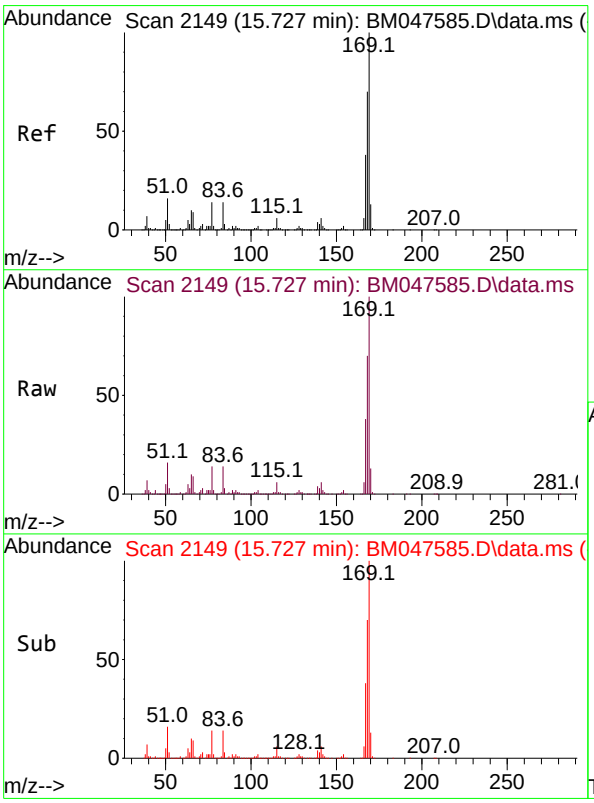
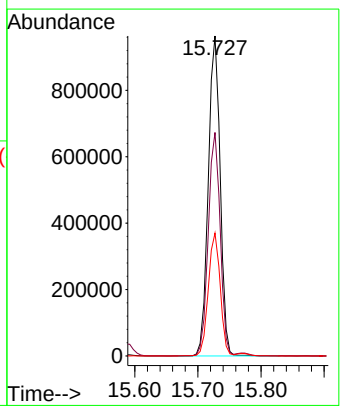
Supervised By :mohammad ahmed 09/24/2024

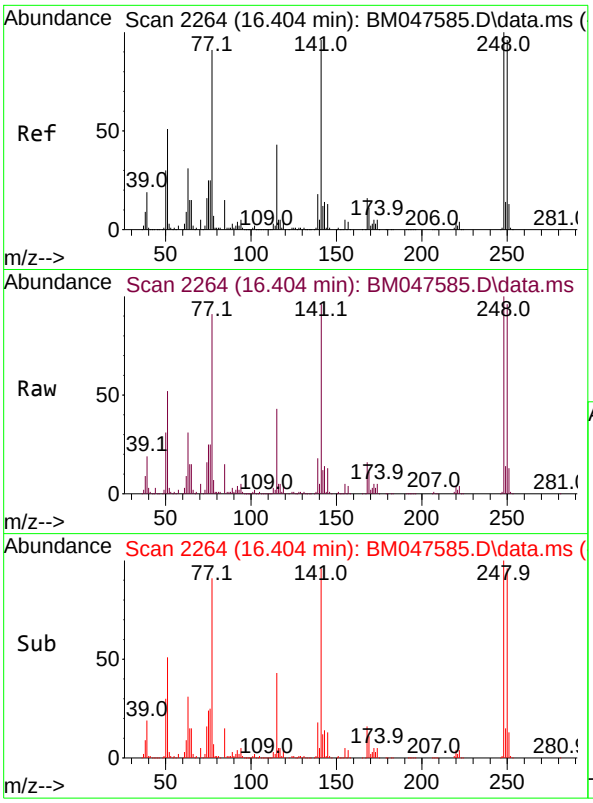


#66
n-Nitrosodiphenylamine
Concen: 39.041 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:169 Resp: 1259876

Ion	Ratio	Lower	Upper
169	100		
168	69.8	55.8	83.8
167	38.4	30.7	46.1

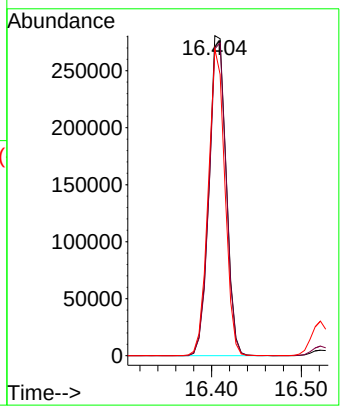




#67
4-Bromophenyl-phenylether
Concen: 38.000 ng
RT: 16.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:248 Resp: 37297

Ion	Ratio	Lower	Upper
248	100		
250	95.9	76.7	115.1
141	95.9	76.7	115.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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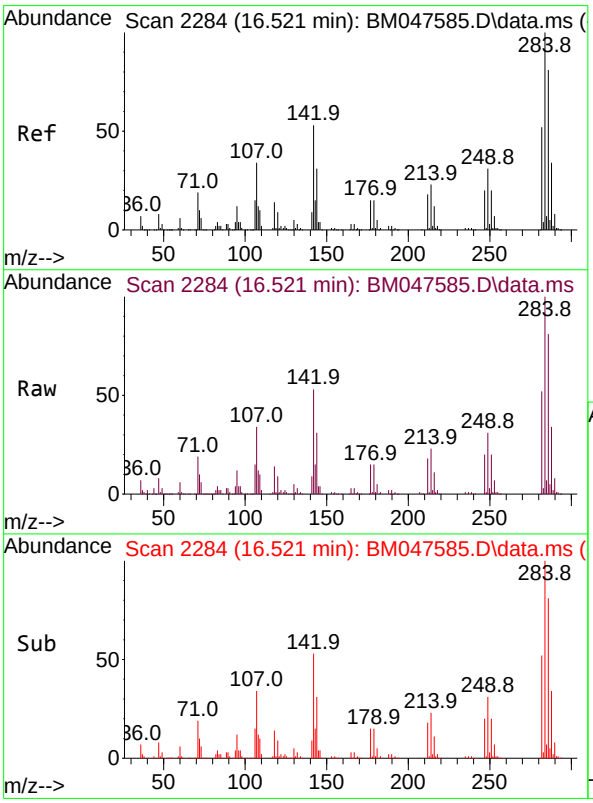
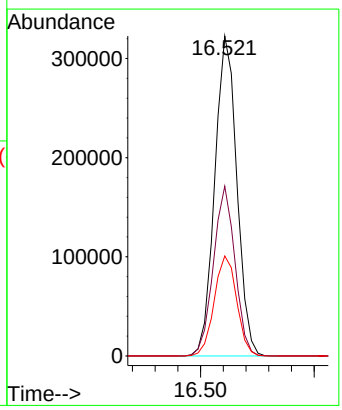
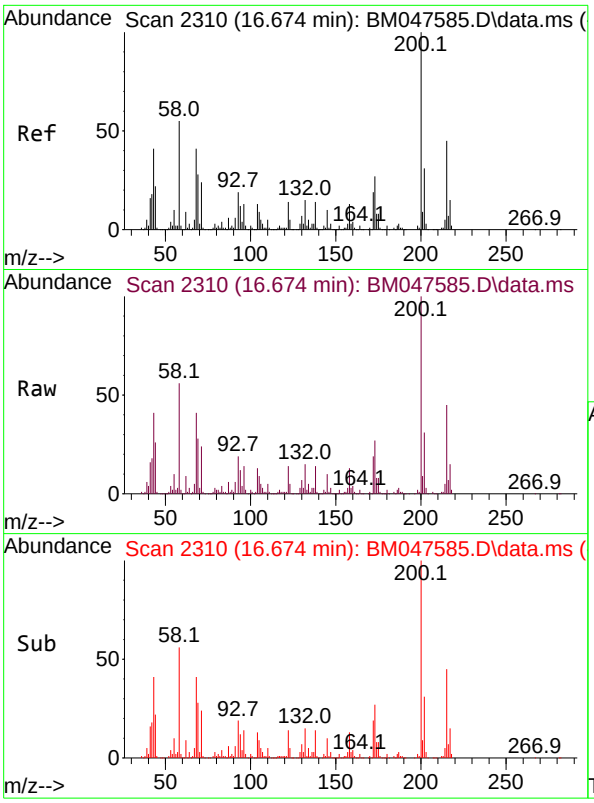


#68
Hexachlorobenzene
Concen: 38.033 ng
RT: 16.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:284 Resp: 436400

Ion	Ratio	Lower	Upper
284	100		
142	53.1	42.5	63.7
249	31.3	25.0	37.6

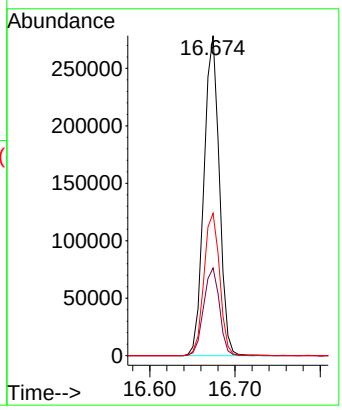




#69
Atrazine
Concen: 44.991 ng
RT: 16.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:200 Resp: 34953

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	44.5	24.5	64.5



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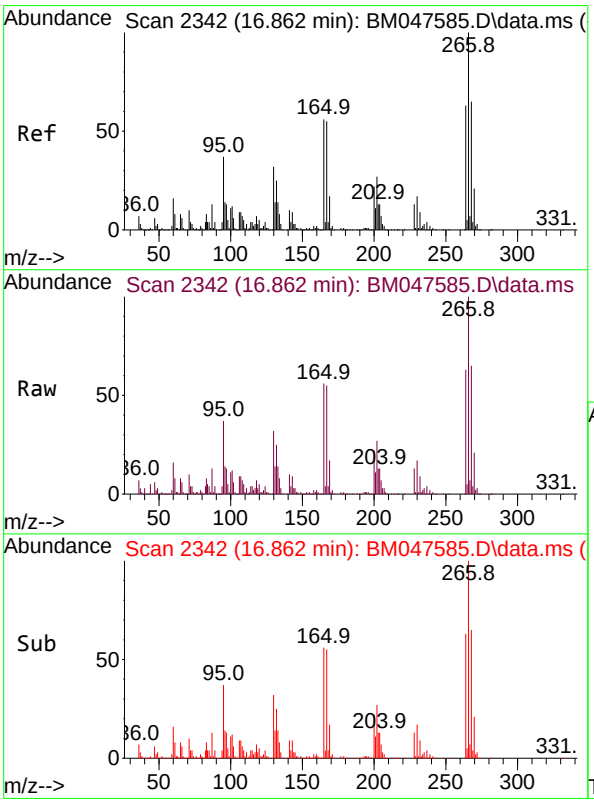
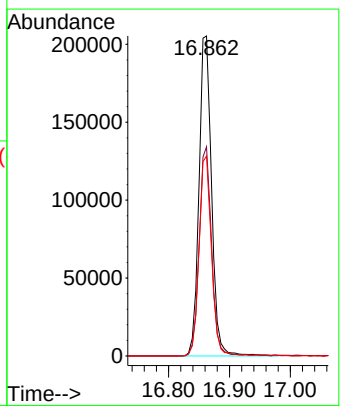
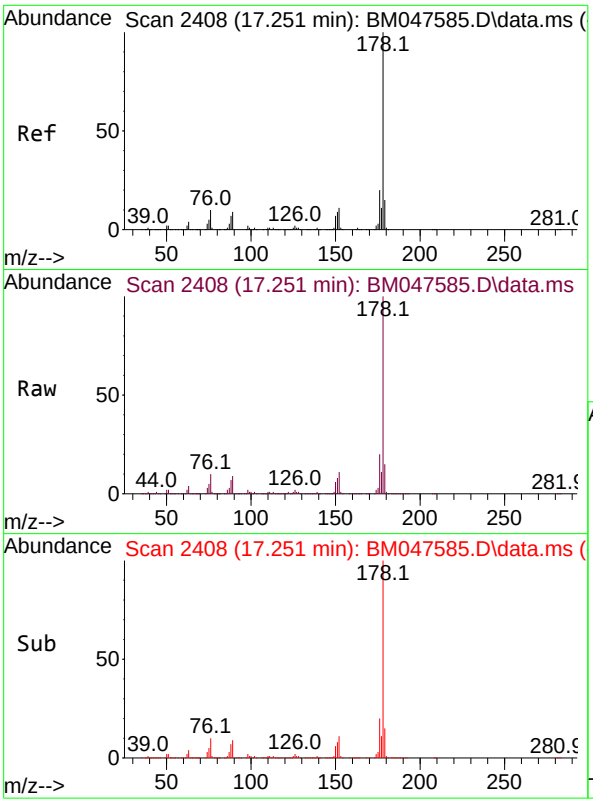


#70
Pentachlorophenol
Concen: 40.962 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:266 Resp: 294995

Ion	Ratio	Lower	Upper
266	100		
268	65.3	52.2	78.4
264	62.5	50.0	75.0

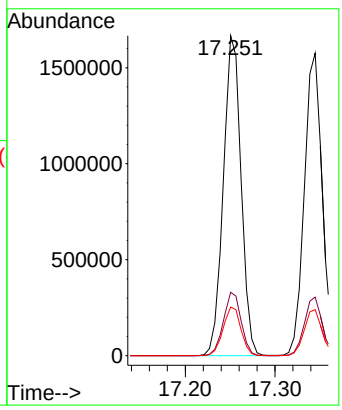




#71
Phenanthrene
Concen: 39.052 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:178 Resp: 229035

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.2	12.2	18.2



Instrument :
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ClientSampleId :
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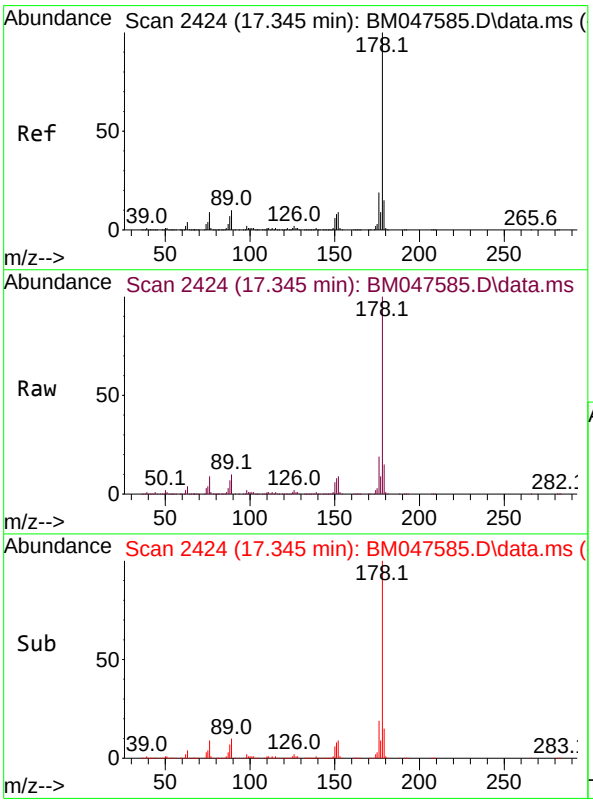
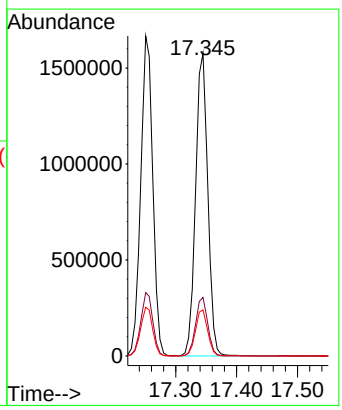
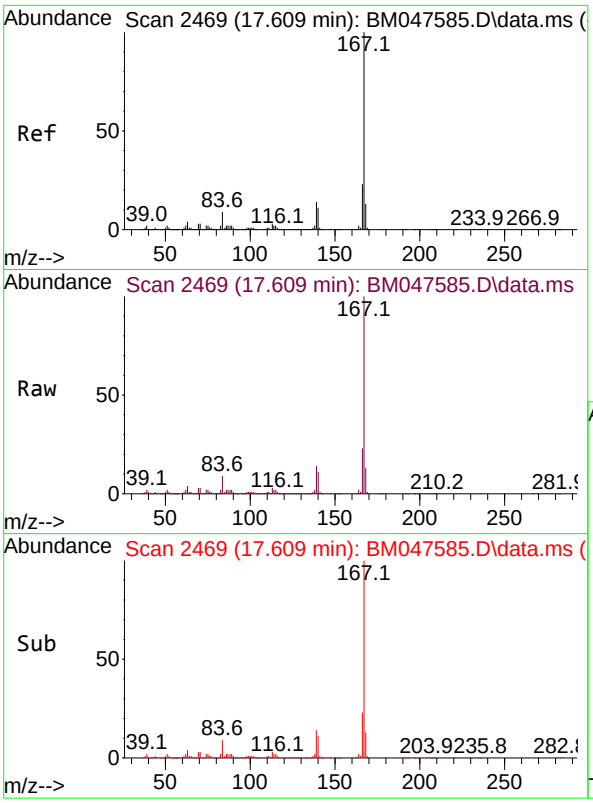


#72
Anthracene
Concen: 39.389 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:178 Resp: 2188739

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.2	12.2	18.2





#73
Carbazole
Concen: 40.000 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 231608

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	14.1	11.3	16.9

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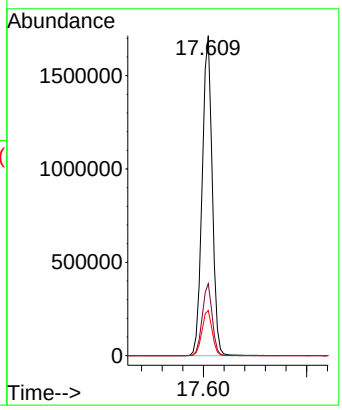
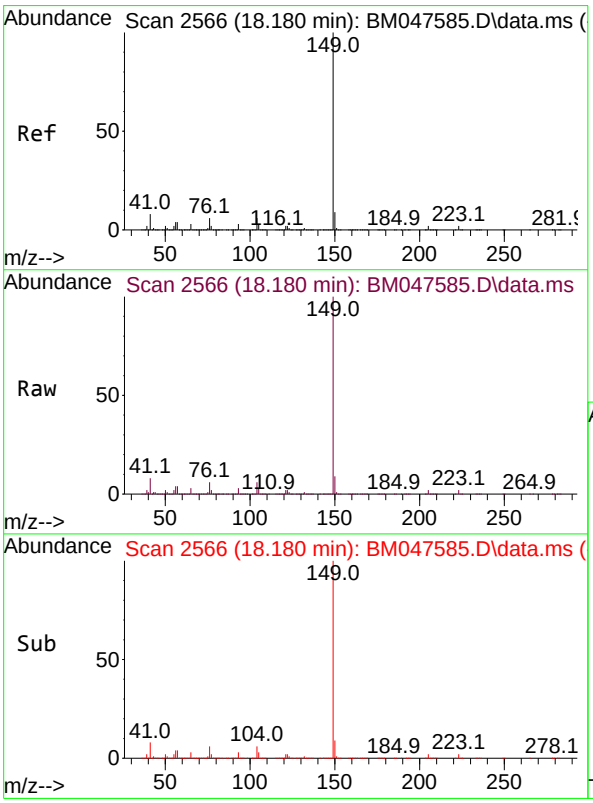
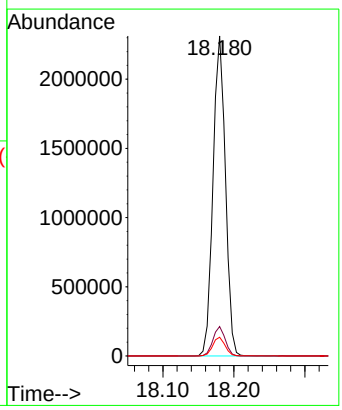


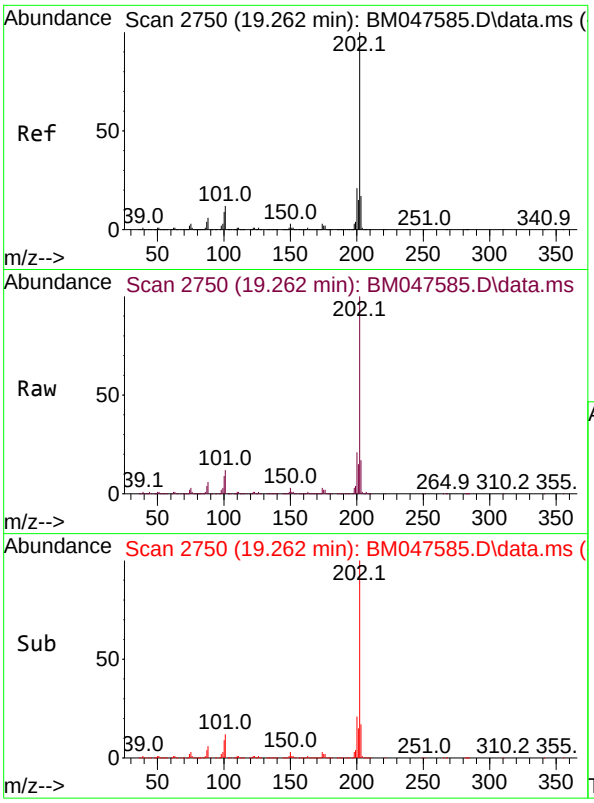


#74
Di-n-butylphthalate
Concen: 39.932 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:149 Resp: 2796548

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.9	4.7	7.1

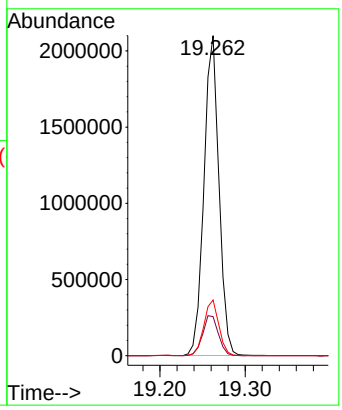




#75
Fluoranthene
Concen: 39.748 ng
RT: 19.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:202 Resp: 256616

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.2
203	17.4	0.0	37.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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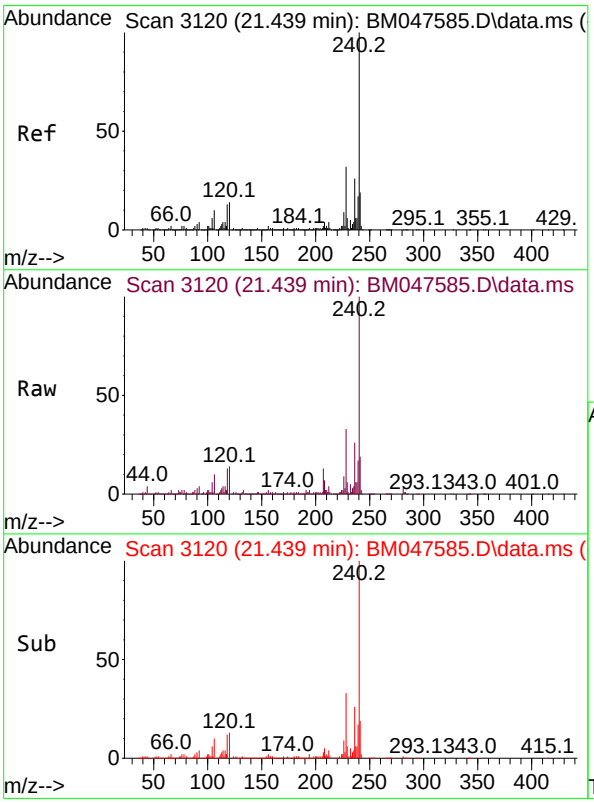
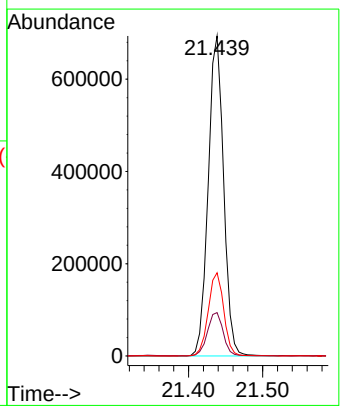
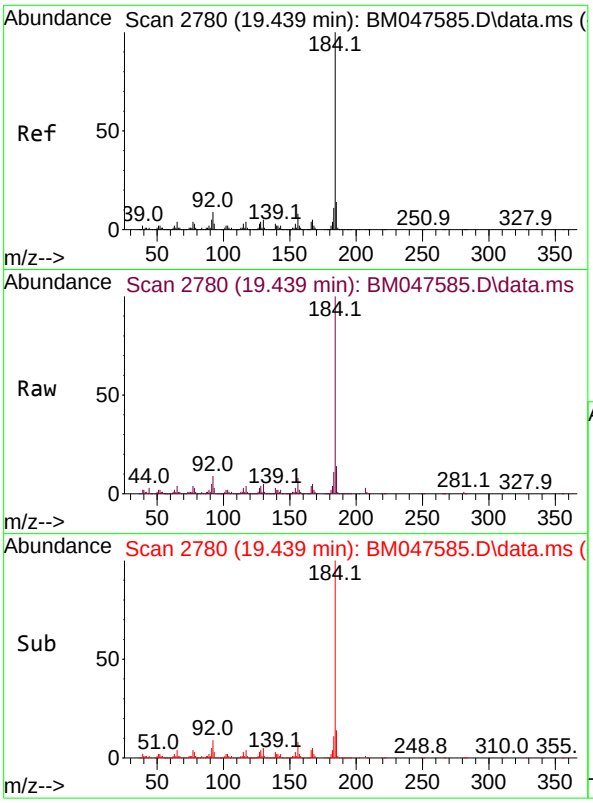


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:240 Resp: 1001172

Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.8	16.2
236	26.0	20.8	31.2

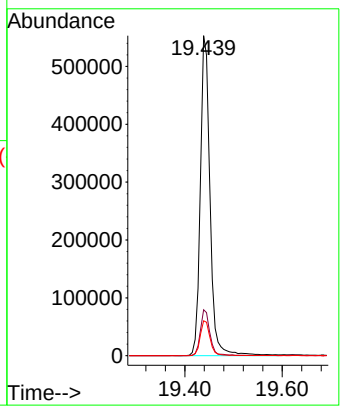




#77
Benzidine
Concen: 55.986 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:184 Resp: 76333

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	10.9	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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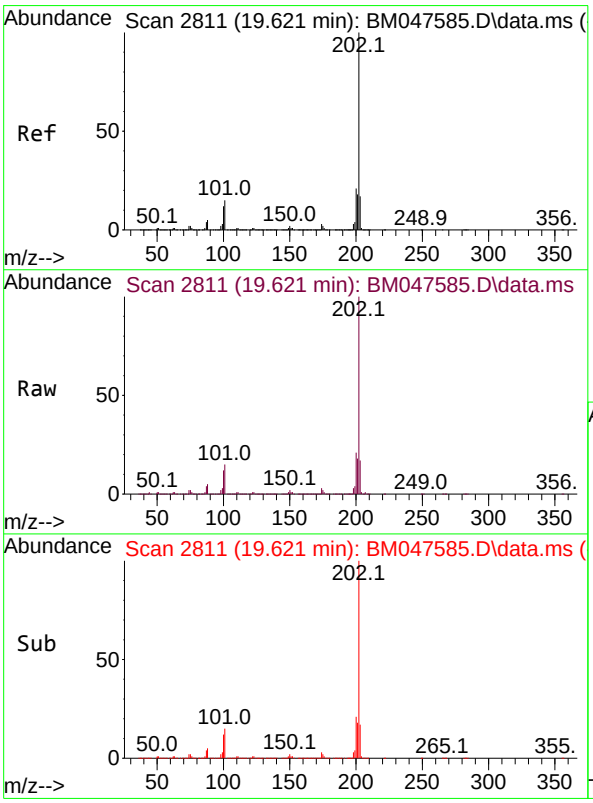
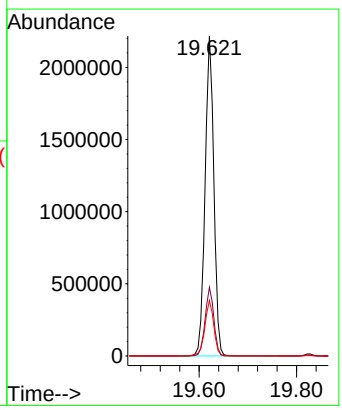
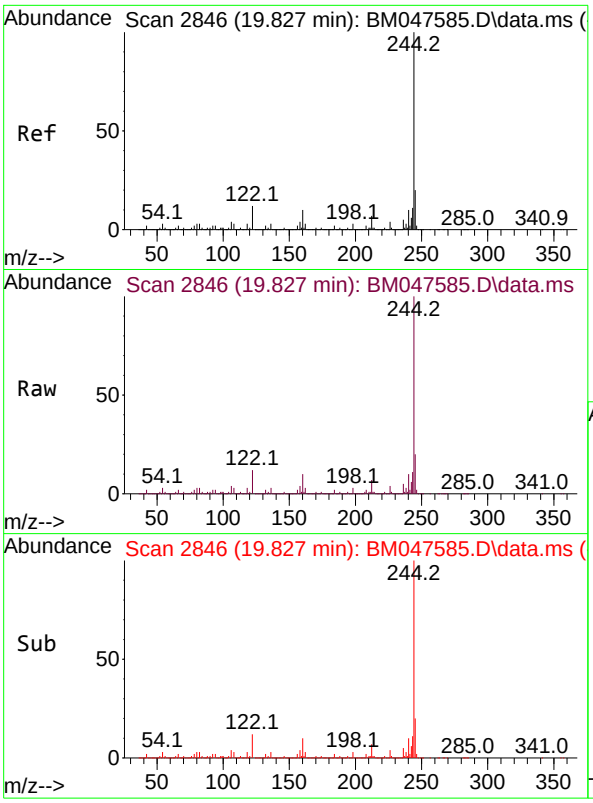


#78
Pyrene
Concen: 39.245 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:202 Resp: 2750016

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.3	13.8	20.8

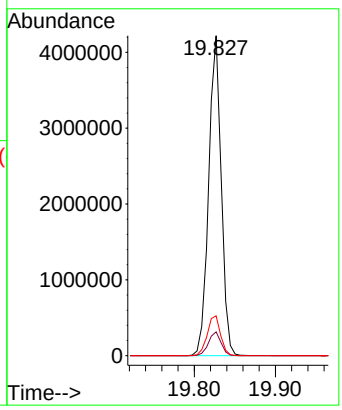




#79
Terphenyl-d14
Concen: 80.925 ng
RT: 19.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:244 Resp: 451547

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	12.5	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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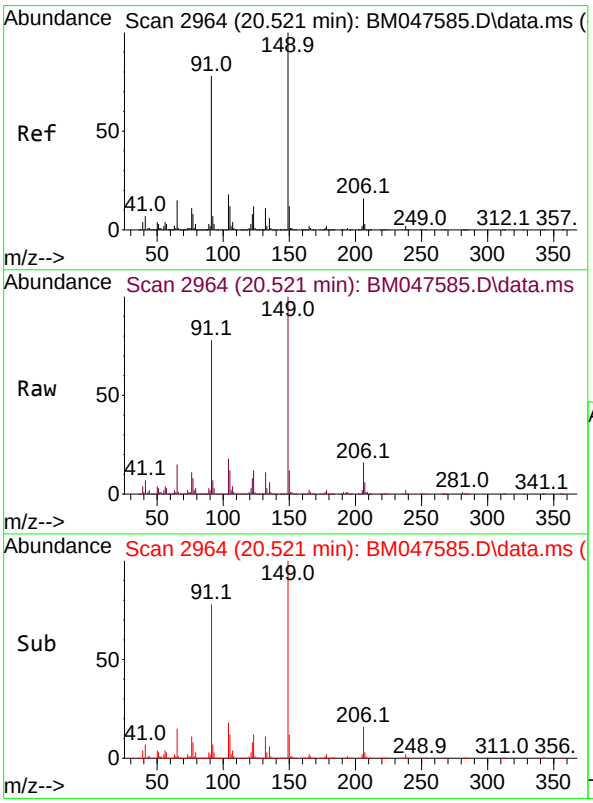
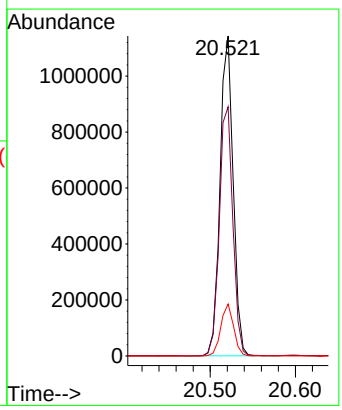
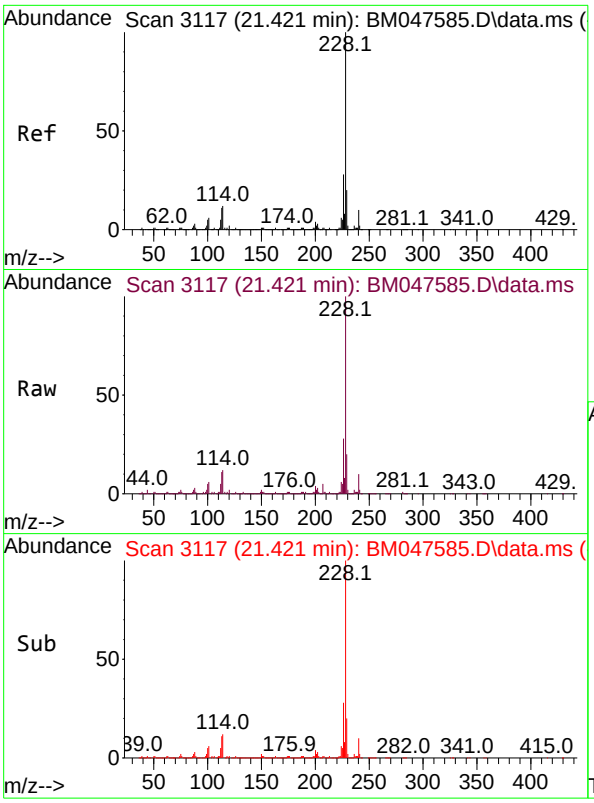


#80
Butylbenzylphthalate
Concen: 40.060 ng
RT: 20.521 min Scan# 2964
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:149 Resp: 1222066

Ion	Ratio	Lower	Upper
149	100		
91	77.9	62.3	93.5
206	16.3	13.0	19.6

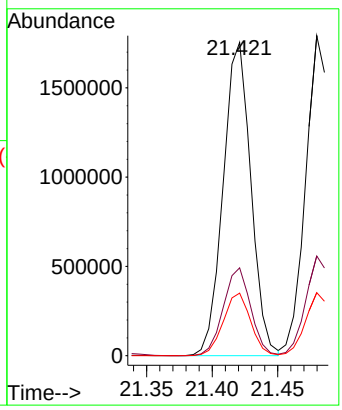




#81
Benzo(a)anthracene
Concen: 39.250 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:228 Resp: 258387

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	20.0	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
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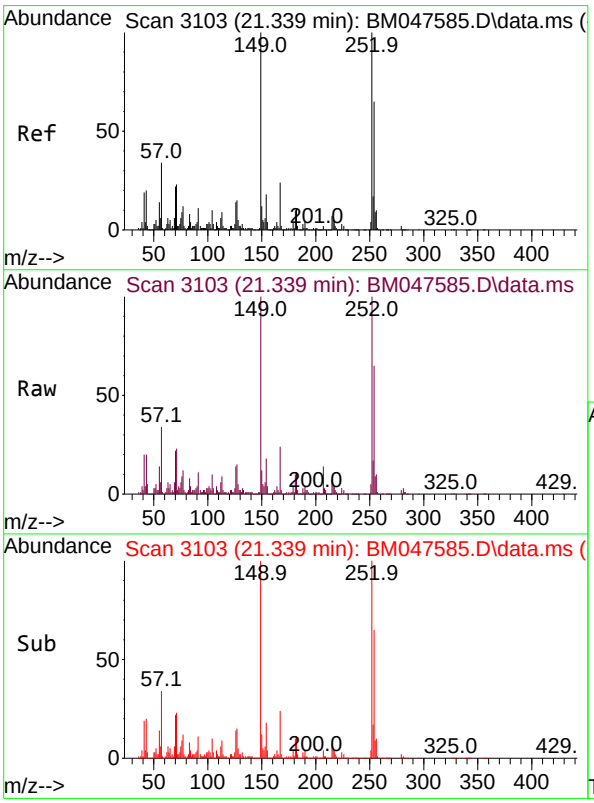
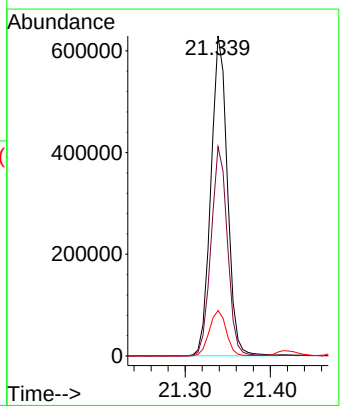
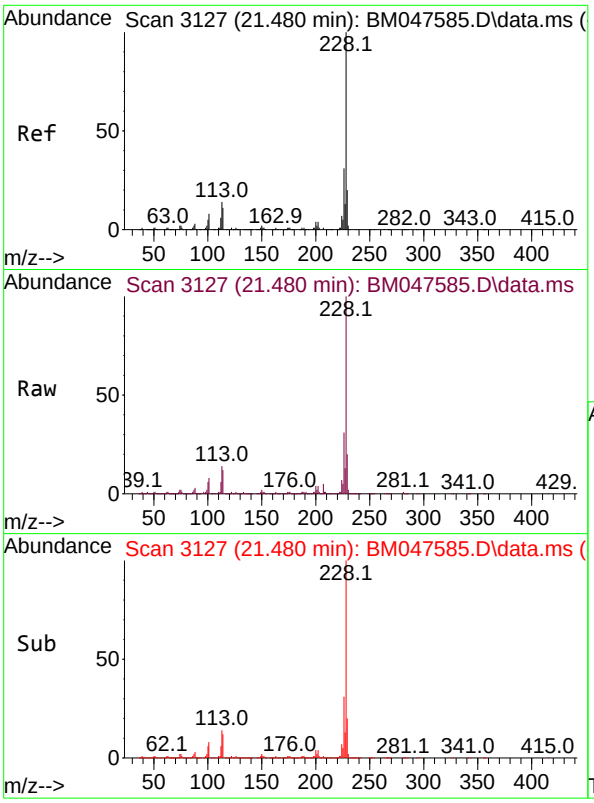


#82
3,3'-Dichlorobenzidine
Concen: 41.291 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:252 Resp: 844150

Ion	Ratio	Lower	Upper
252	100		
254	65.4	52.3	78.5
126	14.2	11.4	17.0

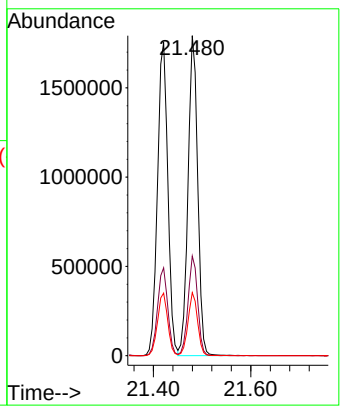




#83
Chrysene
Concen: 39.247 ng
RT: 21.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:228 Resp: 245701

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	19.7	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
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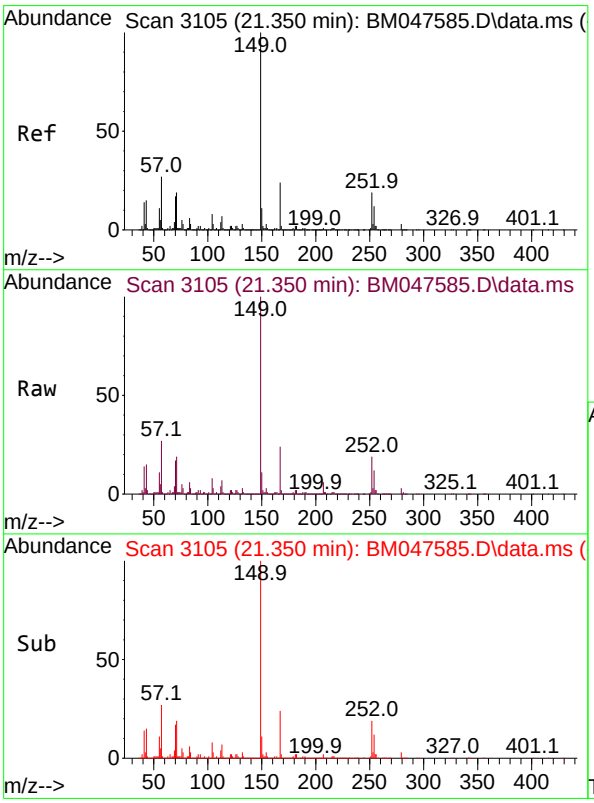
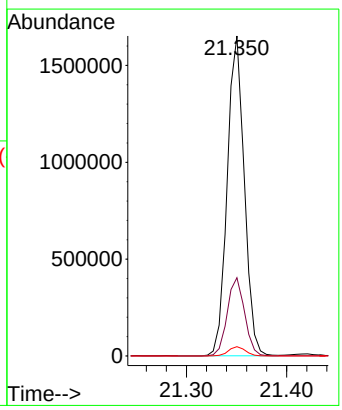
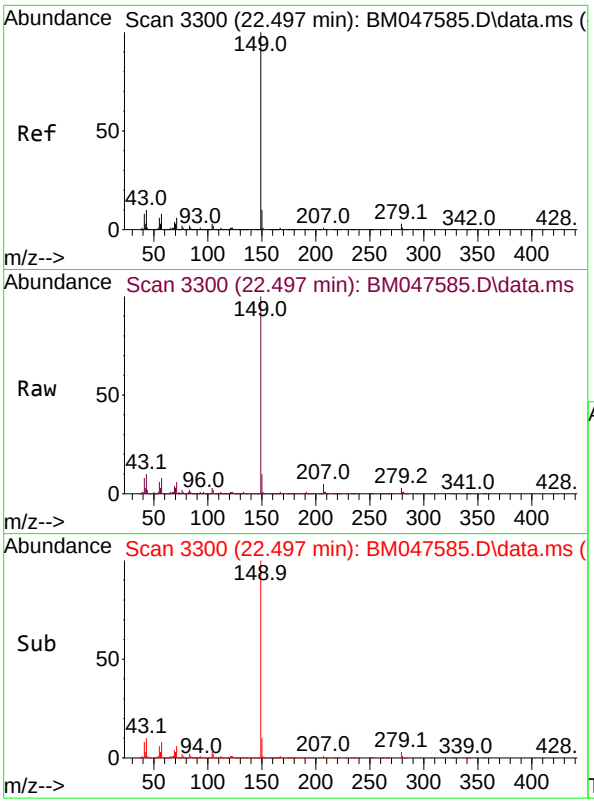


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.914 ng
RT: 21.350 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:149 Resp: 1947523

Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.5	29.3
279	2.9	2.3	3.5





#85
Di-n-octyl phthalate
Concen: 39.849 ng
RT: 22.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

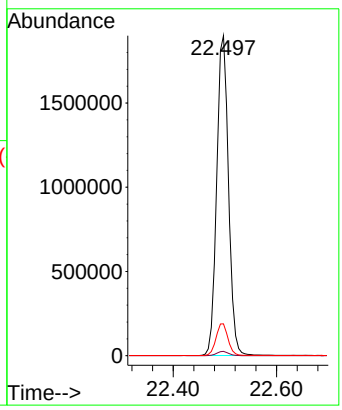
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

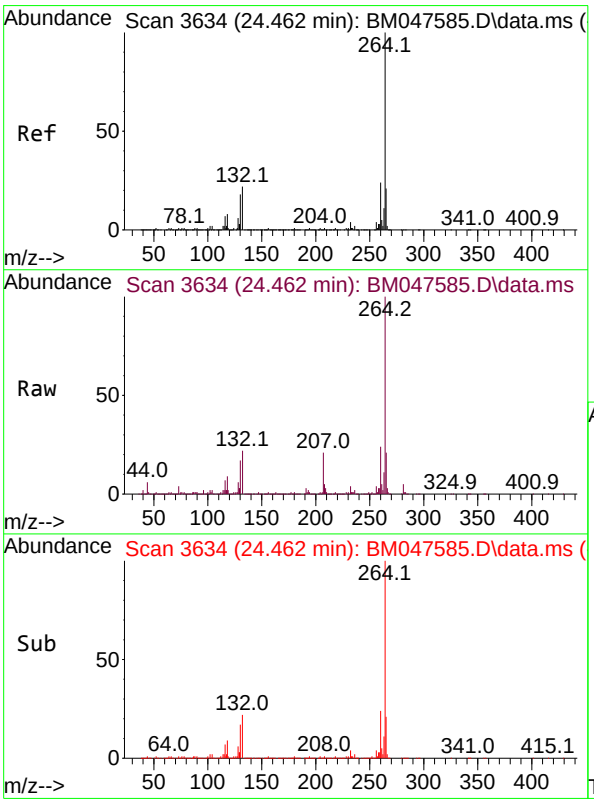
Tgt Ion:149 Resp: 300038

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.2	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

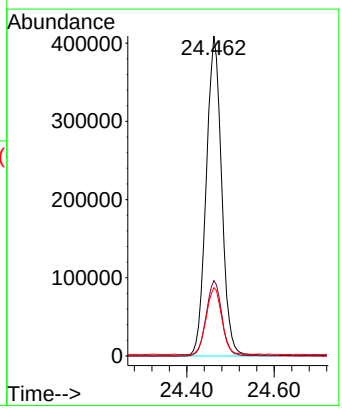


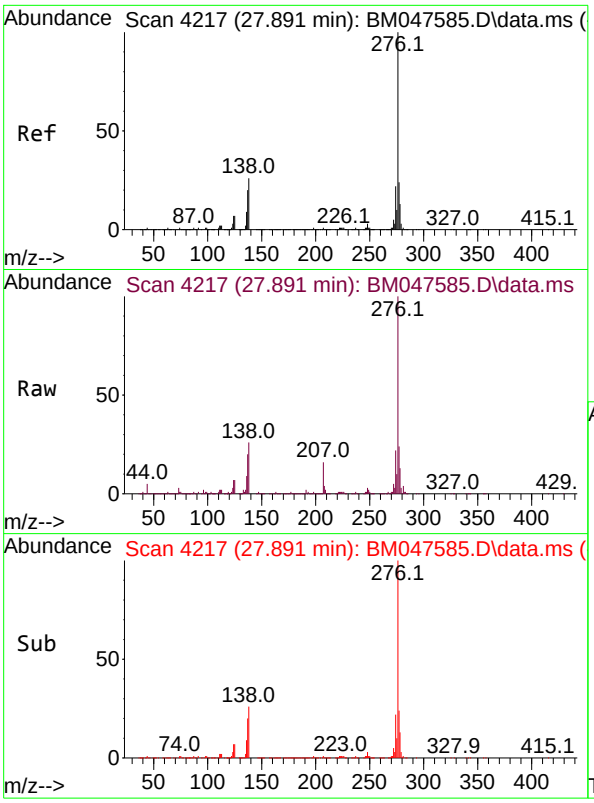


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:264 Resp: 1006624

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.3	17.0	25.6

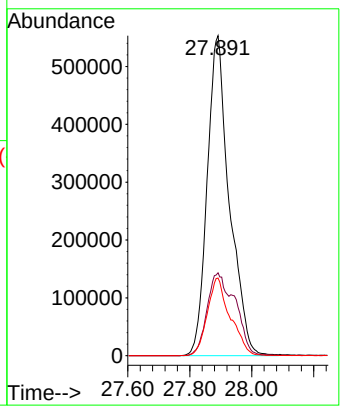




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.753 ng
RT: 27.891 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:276 Resp: 275170

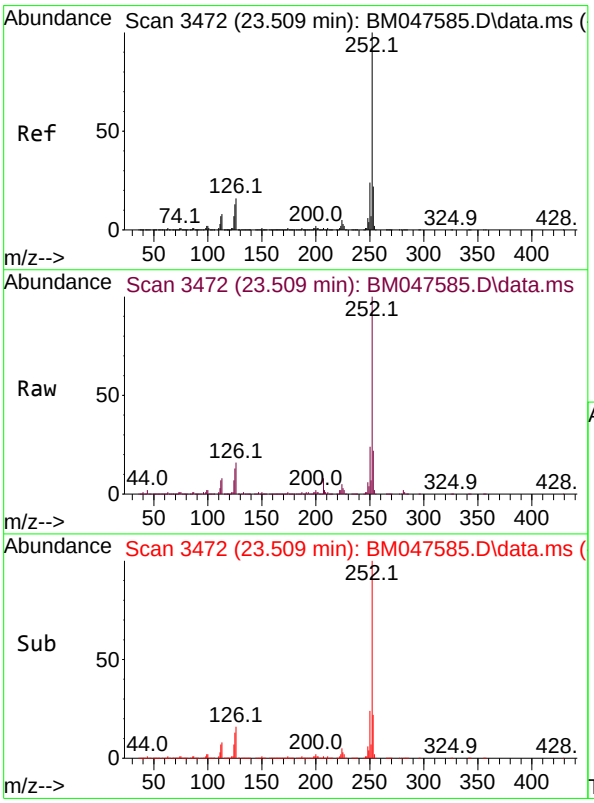
Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.1	27.1
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

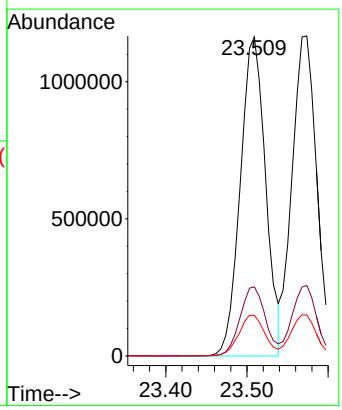
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

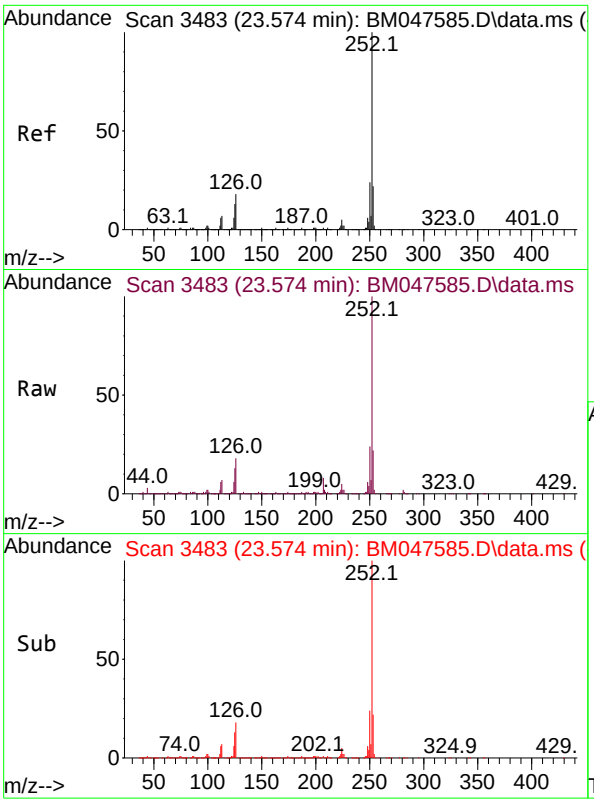


#88
Benzo(b)fluoranthene
Concen: 39.750 ng
RT: 23.509 min Scan# 3472
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:252 Resp: 2514844

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	12.7	10.2	15.2

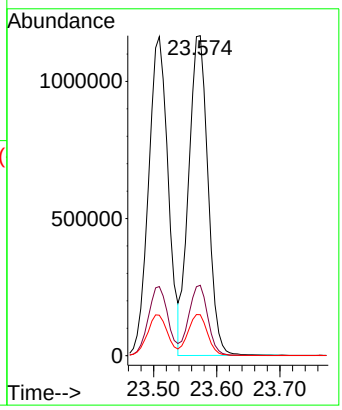




#89
Benzo(k)fluoranthene
Concen: 39.814 ng
RT: 23.574 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:252 Resp: 247267

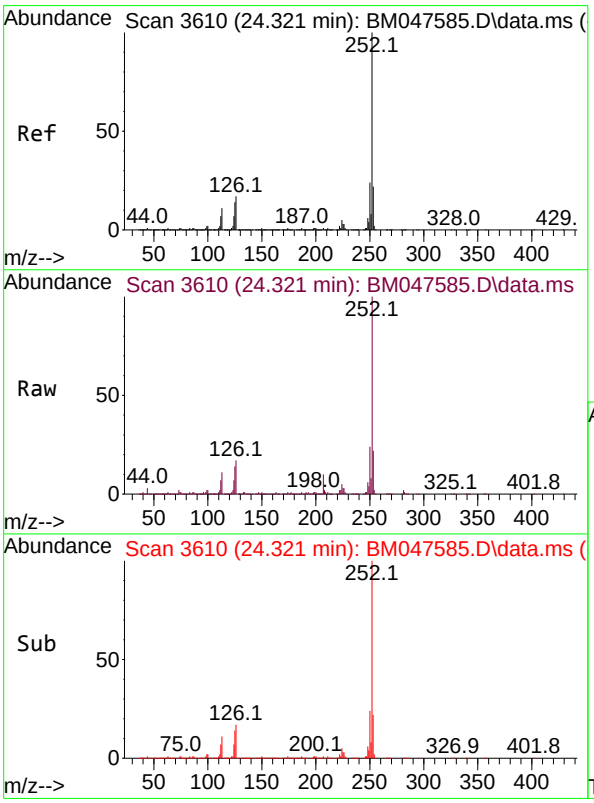
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

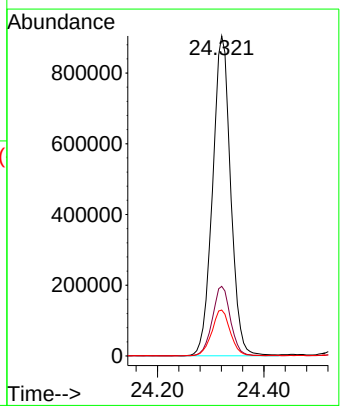
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

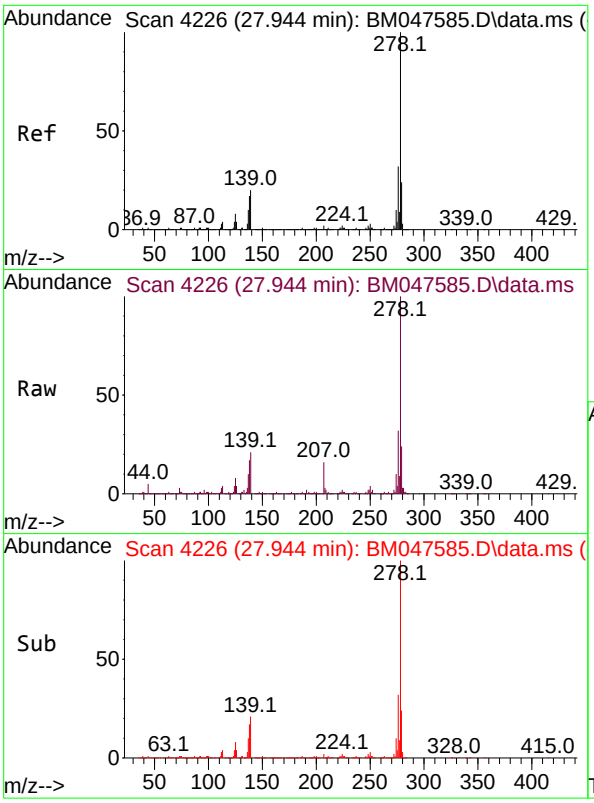


#90
Benzo(a)pyrene
Concen: 39.750 ng
RT: 24.321 min Scan# 3610
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:252 Resp: 2132201

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	14.4	11.5	17.3

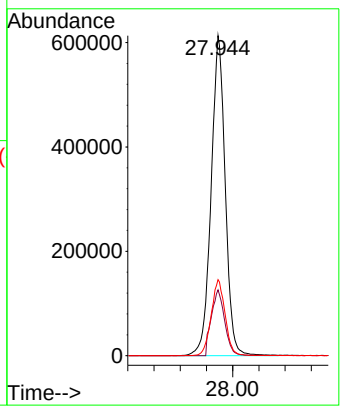




#91
Dibenzo(a,h)anthracene
Concen: 39.688 ng
RT: 27.944 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:278 Resp: 229469

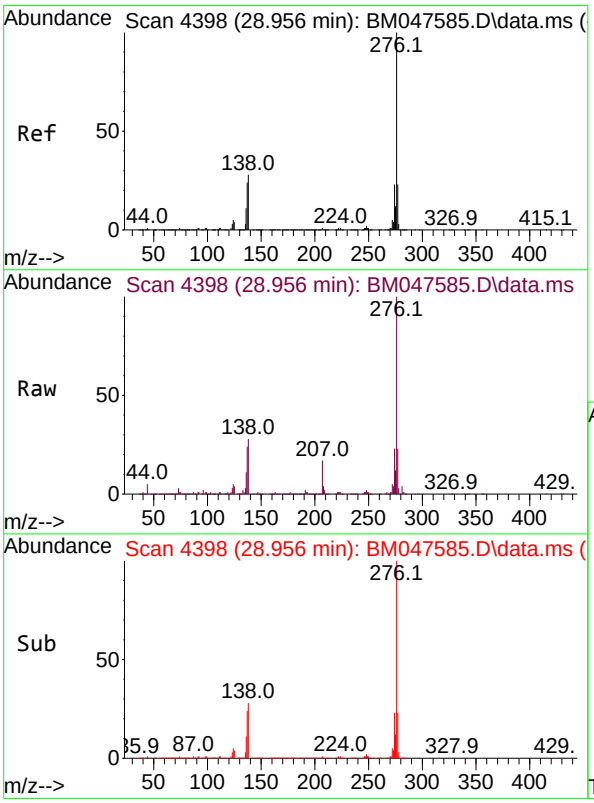
Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.4	24.6
279	23.8	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

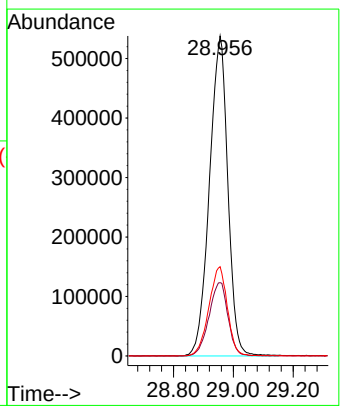
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92
Benzo(g,h,i)perylene
Concen: 39.585 ng
RT: 28.956 min Scan# 4398
Delta R.T. 0.000 min
Lab File: BM047585.D
Acq: 20 Sep 2024 12:19

Tgt Ion:276 Resp: 2293788

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.3	27.5
138	27.9	22.3	33.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047586.D
Acq On : 20 Sep 2024 12:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:22:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	278976	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1122344	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	611295	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1172407	20.000	ng		0.00
76) Chrysene-d12	21.438	240	1068698	20.000	ng		0.00
86) Perylene-d12	24.468	264	1063033	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	1818729	99.905	ng		0.00
7) Phenol-d6	7.010	99	2436684	101.584	ng		0.00
23) Nitrobenzene-d5	8.998	82	2293080	101.707	ng		0.00
42) 2,4,6-Tribromophenol	15.956	330	594445	105.018	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	4338663	100.427	ng		0.00
79) Terphenyl-d14	19.827	244	6469245	108.614	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	384704	48.535	ng		99
3) Pyridine	3.716	79	1091569m	49.649	ng		
4) n-Nitrosodimethylamine	3.622	42	462945	50.813	ng		97
6) Aniline	7.175	93	1028281	50.040	ng		99
8) 2-Chlorophenol	7.410	128	948594	49.773	ng		99
9) Benzaldehyde	6.981	77	567774	46.328	ng		99
10) Phenol	7.034	94	1205511	50.614	ng		97
11) bis(2-Chloroethyl)ether	7.269	93	941881	49.202	ng		98
12) 1,3-Dichlorobenzene	7.739	146	1036632	49.185	ng		99
13) 1,4-Dichlorobenzene	7.881	146	1049899	49.232	ng		98
14) 1,2-Dichlorobenzene	8.198	146	1014846	49.370	ng		99
15) Benzyl Alcohol	8.081	79	794417	51.330	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.375	45	1203122	49.306	ng		99
17) 2-Methylphenol	8.286	107	762647	50.947	ng		98
18) Hexachloroethane	8.933	117	429854	49.705	ng		98
19) n-Nitroso-di-n-propyla...	8.651	70	767971	52.268	ng		99
20) 3+4-Methylphenols	8.610	107	1045027	51.254	ng		96
22) Acetophenone	8.663	105	1458590	49.882	ng	#	99
24) Nitrobenzene	9.039	77	1169157	50.207	ng		99
25) Isophorone	9.569	82	1912560	50.760	ng		100
26) 2-Nitrophenol	9.751	139	428610	52.348	ng		97
27) 2,4-Dimethylphenol	9.816	122	578892	49.602	ng		99
28) bis(2-Chloroethoxy)met...	10.051	93	1205760	49.744	ng		99
29) 2,4-Dichlorophenol	10.286	162	753792	51.092	ng		99
30) 1,2,4-Trichlorobenzene	10.504	180	830417	49.383	ng		99
31) Naphthalene	10.692	128	2935847	49.443	ng		100
32) Benzoic acid	9.939	122	594861	54.610	ng		98
33) 4-Chloroaniline	10.798	127	1066117	50.927	ng		98
34) Hexachlorobutadiene	10.986	225	448499	49.010	ng		98
35) Caprolactam	11.569	113	278155	54.544	ng		99
36) 4-Chloro-3-methylphenol	11.916	107	883037	52.458	ng		97
37) 2-Methylnaphthalene	12.304	142	1881894	50.446	ng		99
38) 1-Methylnaphthalene	12.521	142	1865450	50.406	ng		99
40) 1,2,4,5-Tetrachloroben...	12.668	216	790689	49.015	ng		99
41) Hexachlorocyclopentadiene	12.657	237	260473	48.906	ng		98
43) 2,4,6-Trichlorophenol	12.910	196	538489	51.362	ng		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047586.D
Acq On : 20 Sep 2024 12:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 16:22:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.980	196	611244	51.868	ng		97
46)	1,1'-Biphenyl	13.315	154	2341539	49.599	ng		99
47)	2-Chloronaphthalene	13.351	162	1826375	49.443	ng		99
48)	2-Nitroaniline	13.545	65	599724	54.359	ng		98
49)	Acenaphthylene	14.198	152	2696175	50.720	ng		100
50)	Dimethylphthalate	13.933	163	2115016	50.111	ng		100
51)	2,6-Dinitrotoluene	14.045	165	474490	53.658	ng		98
52)	Acenaphthene	14.539	154	1787917m	50.900	ng		
53)	3-Nitroaniline	14.368	138	555478	54.769	ng		96
54)	2,4-Dinitrophenol	14.574	184	216574	54.025	ng		99
55)	Dibenzofuran	14.874	168	2574000	50.157	ng		99
56)	4-Nitrophenol	14.674	139	478642	55.075	ng		95
57)	2,4-Dinitrotoluene	14.827	165	647569	54.957	ng		96
58)	Fluorene	15.521	166	2368284	52.142	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.098	232	465256	51.648	ng		100
60)	Diethylphthalate	15.298	149	2320248	51.564	ng		99
61)	4-Chlorophenyl-phenyle...	15.521	204	1024159	51.606	ng		97
62)	4-Nitroaniline	15.527	138	650918	56.960	ng		99
63)	Azobenzene	15.809	77	2557024	51.979	ng		99
65)	4,6-Dinitro-2-methylph...	15.592	198	295585	53.207	ng		97
66)	n-Nitrosodiphenylamine	15.727	169	1771408	50.588	ng		100
67)	4-Bromophenyl-phenylether	16.409	248	533218	50.066	ng		94
68)	Hexachlorobenzene	16.521	284	617382	49.587	ng		98
69)	Atrazine	16.674	200	380272	45.110	ng		96
70)	Pentachlorophenol	16.862	266	413092	52.862	ng		99
71)	Phenanthrene	17.256	178	3209957	50.439	ng		100
72)	Anthracene	17.345	178	3078214	51.052	ng		99
73)	Carbazole	17.609	167	3211608	51.117	ng		99
74)	Di-n-butylphthalate	18.180	149	3968901	52.228	ng		100
75)	Fluoranthene	19.262	202	3628114	51.790	ng		99
77)	Benzidine	19.439	184	540818	37.159	ng		99
78)	Pyrene	19.621	202	3844686	51.400	ng		99
80)	Butylbenzylphthalate	20.521	149	1731602	53.177	ng		99
81)	Benzo(a)anthracene	21.421	228	3578241	50.921	ng		100
82)	3,3'-Dichlorobenzidine	21.344	252	1128735	51.723	ng		98
83)	Chrysene	21.480	228	3398657	50.857	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.350	149	2792153	53.608	ng		99
85)	Di-n-octyl phthalate	22.497	149	4246034	52.830	ng		100
87)	Indeno(1,2,3-cd)pyrene	27.891	276	3726821	50.983	ng	#	90
88)	Benzo(b)fluoranthene	23.509	252	3491548	52.259	ng		99
89)	Benzo(k)fluoranthene	23.574	252	3353851	51.137	ng		99
90)	Benzo(a)pyrene	24.327	252	2909678	51.366	ng		99
91)	Dibenzo(a,h)anthracene	27.956	278	3112380	50.974	ng		100
92)	Benzo(g,h,i)perylene	28.962	276	3092774	50.541	ng		98

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

ICAL Form

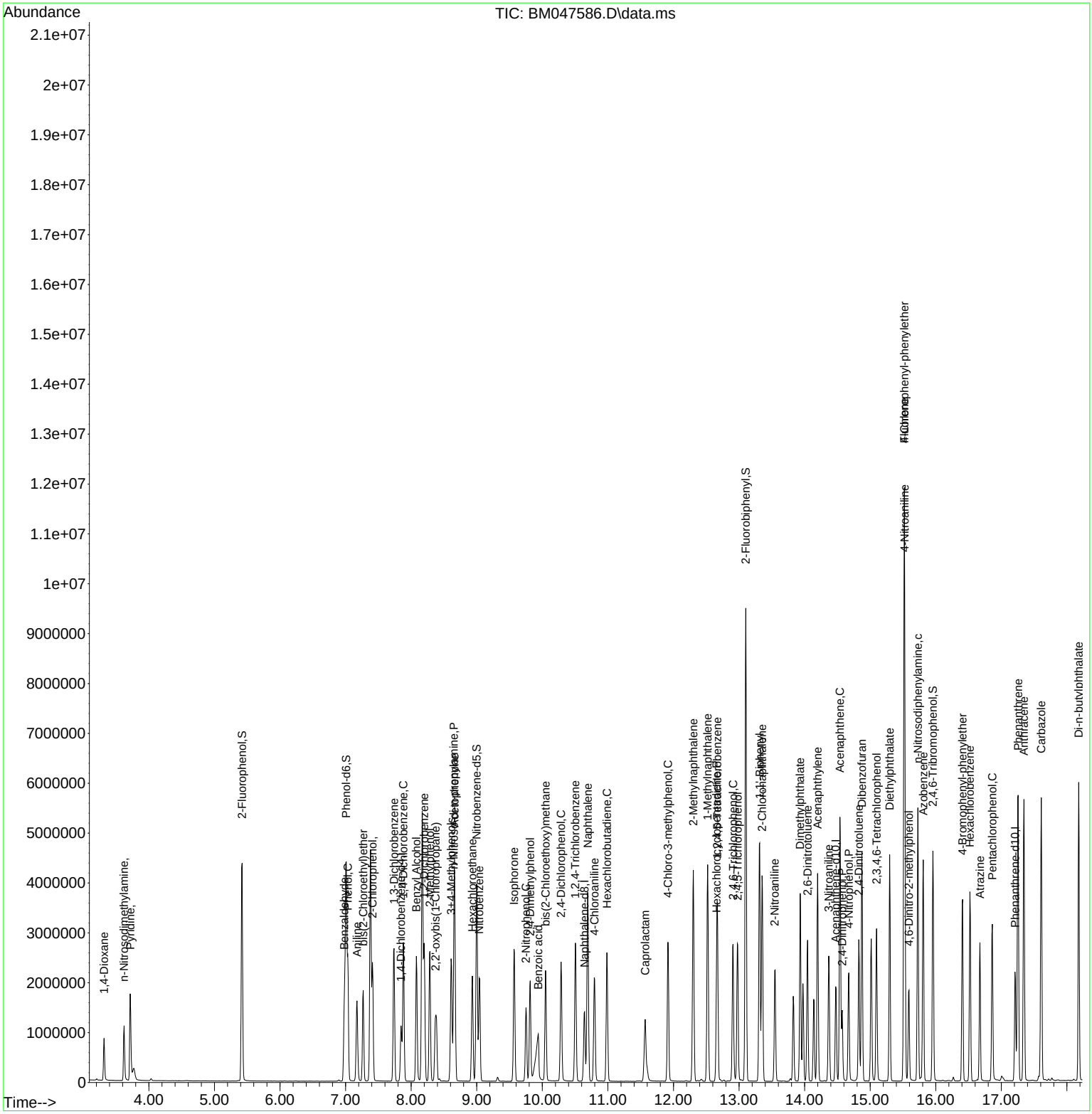
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047586.D
Acq On : 20 Sep 2024 12:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 16:22:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047586.D
Acq On : 20 Sep 2024 12:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 16:22:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
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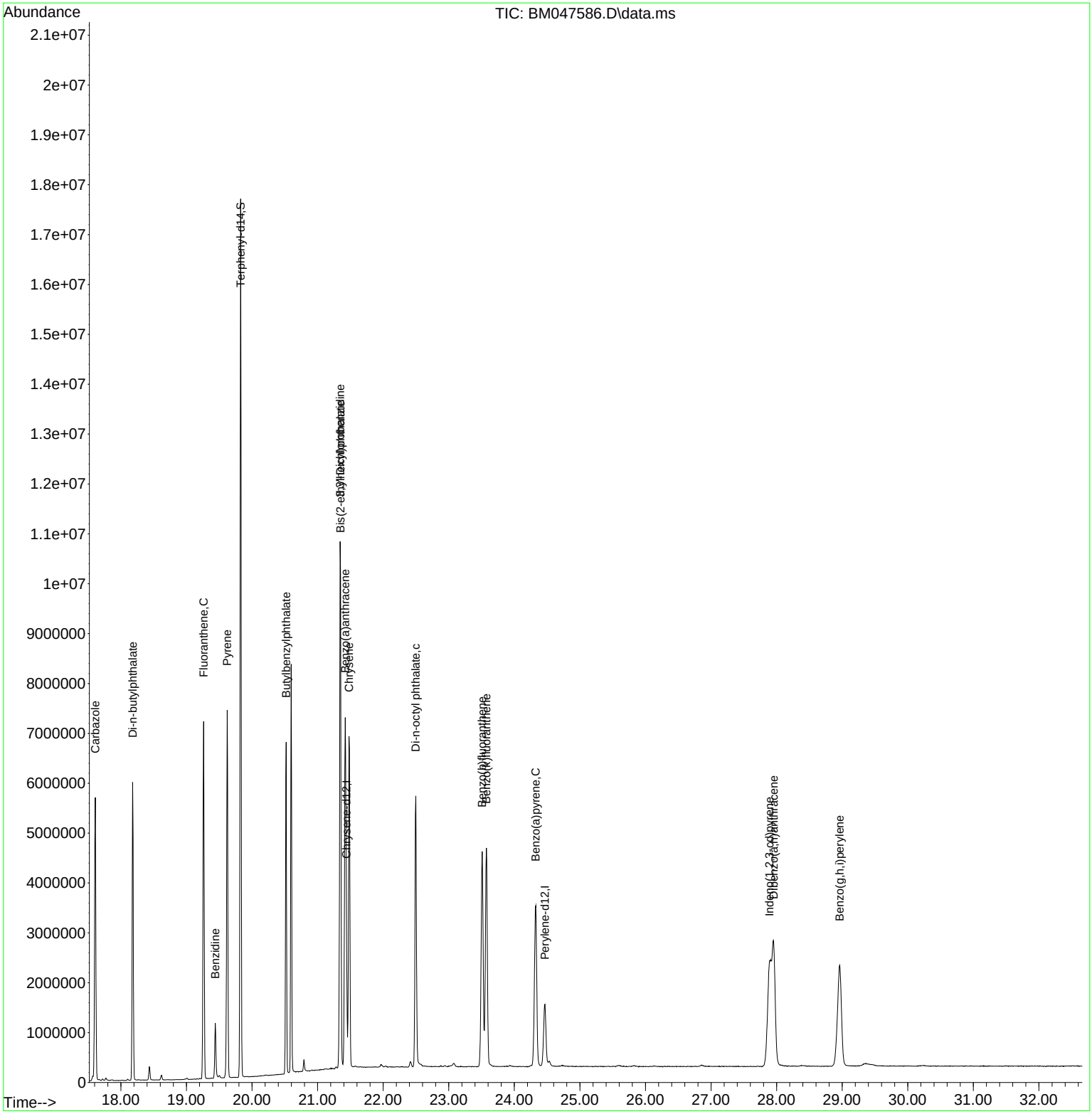
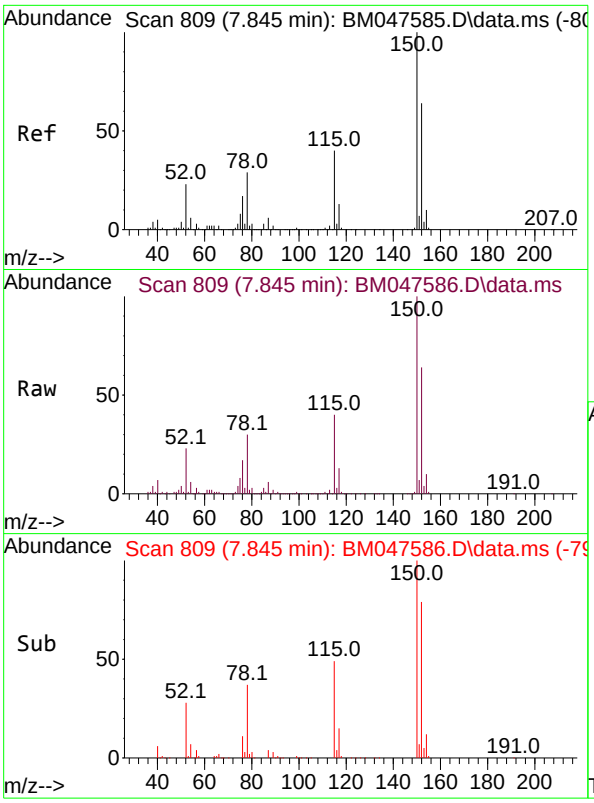
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

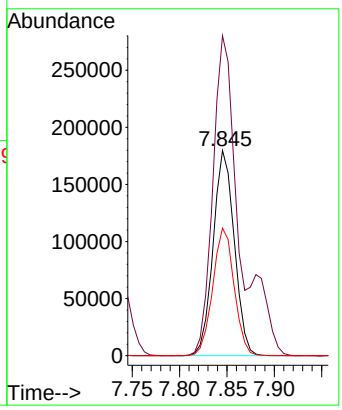




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:152 Resp: 27897

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	62.1	49.9	74.9



Instrument :
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ClientSampleId :
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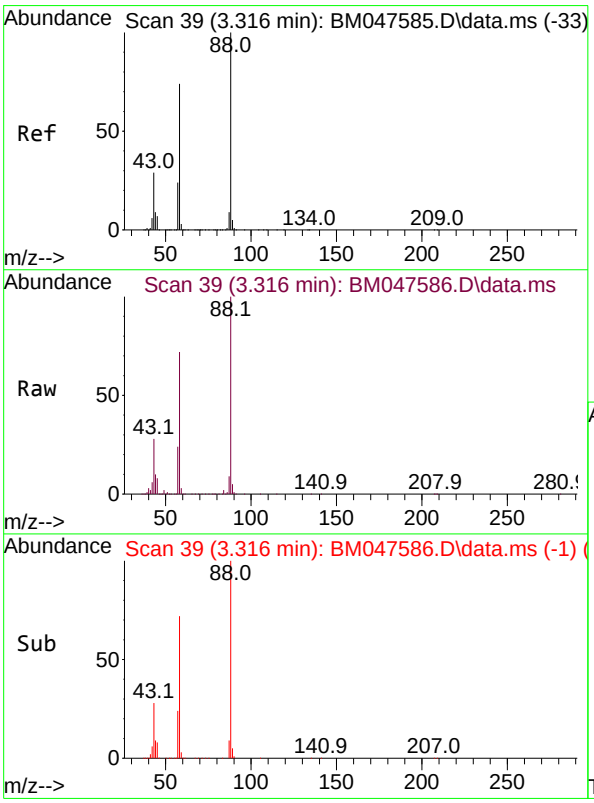
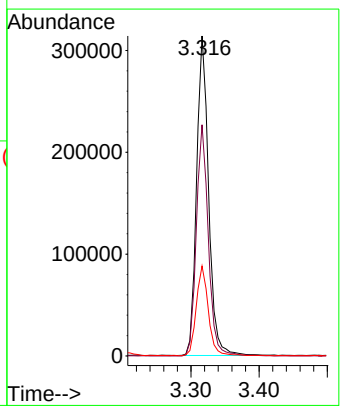
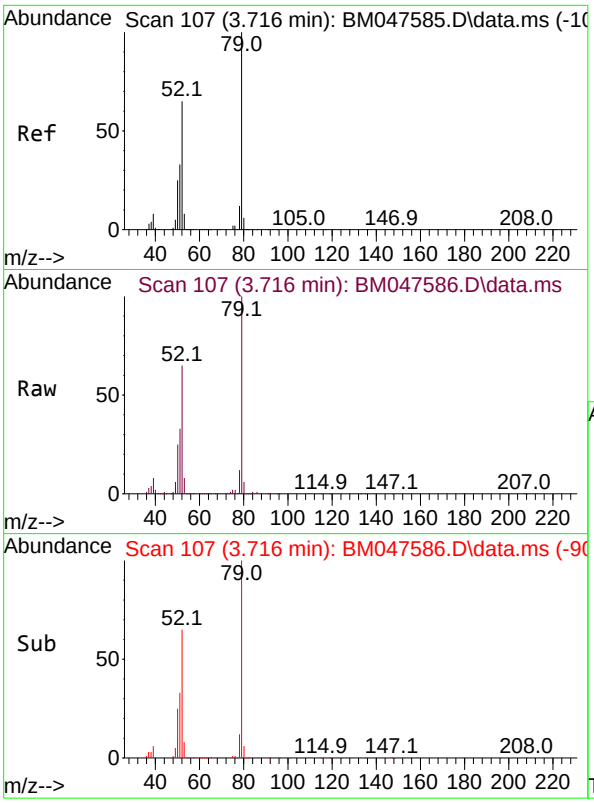


#2
1,4-Dioxane
Concen: 48.535 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 88 Resp: 384704

Ion	Ratio	Lower	Upper
88	100		
58	72.2	58.0	87.0
43	28.1	23.1	34.7

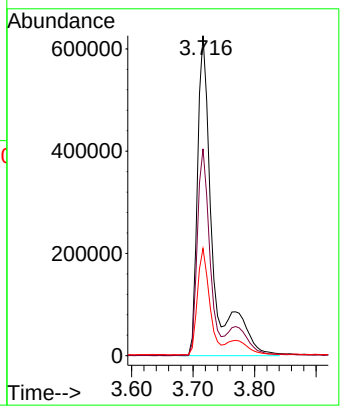




#3
Pyridine
Concen: 49.649 ng m
RT: 3.716 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 79 Resp: 109156

Ion	Ratio	Lower	Upper
79	100		
52	64.6	52.2	78.2
51	33.5	26.5	39.7



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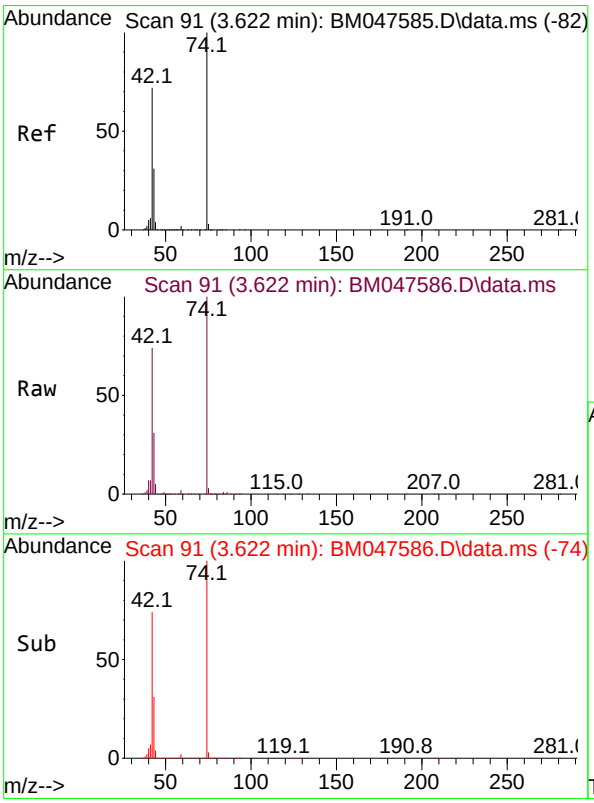
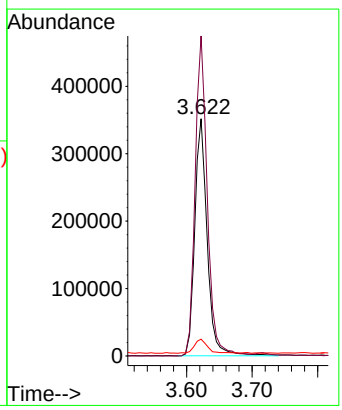
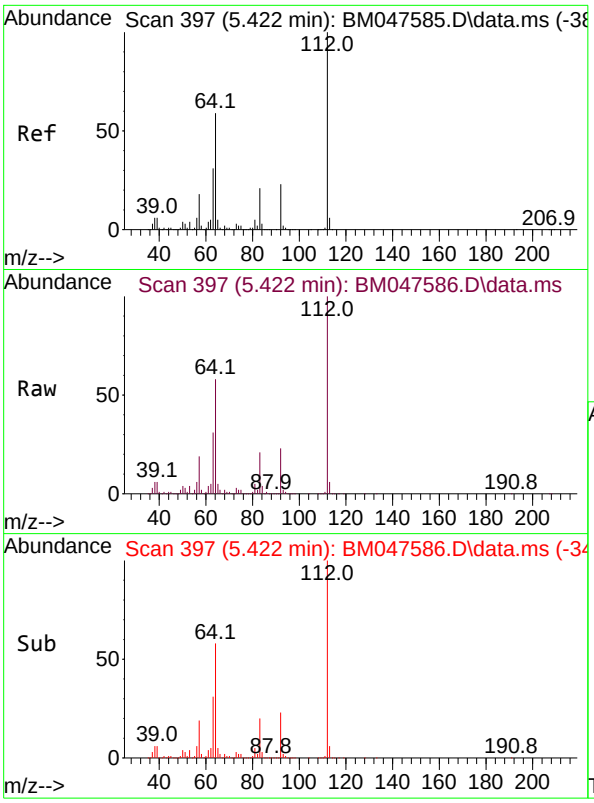


#4
n-Nitrosodimethylamine
Concen: 50.813 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 42 Resp: 462945

Ion	Ratio	Lower	Upper
42	100		
74	134.9	110.8	166.2
44	7.1	6.1	9.1

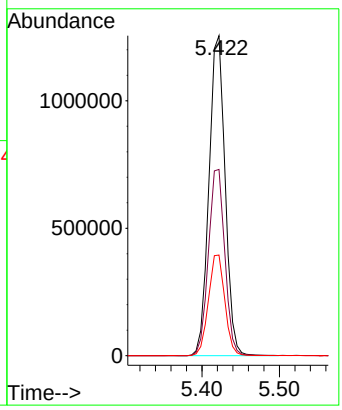




#5
2-Fluorophenol
Concen: 99.905 ng
RT: 5.422 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:112 Resp: 181872

Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.8	70.2
63	31.4	25.2	37.8



Instrument :
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ClientSampleId :
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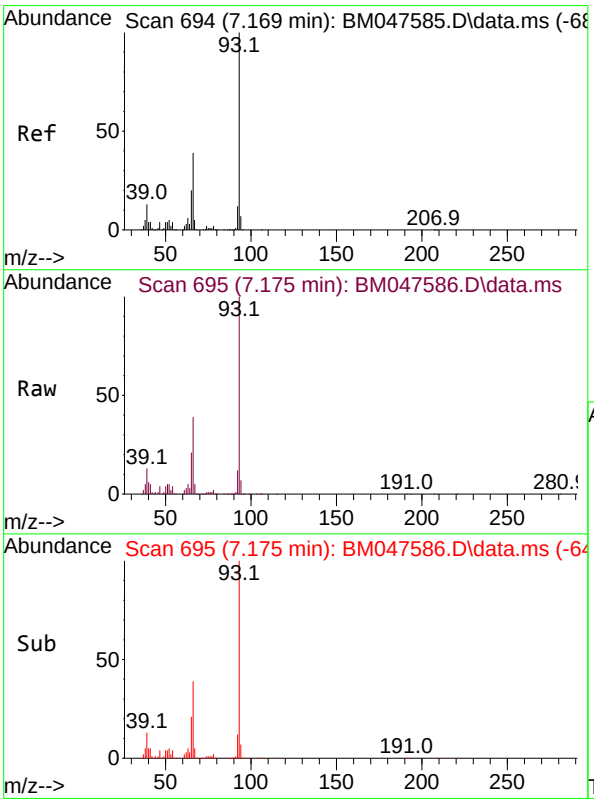
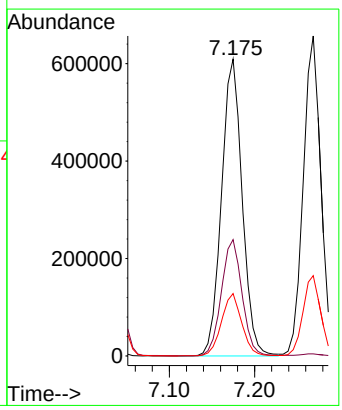
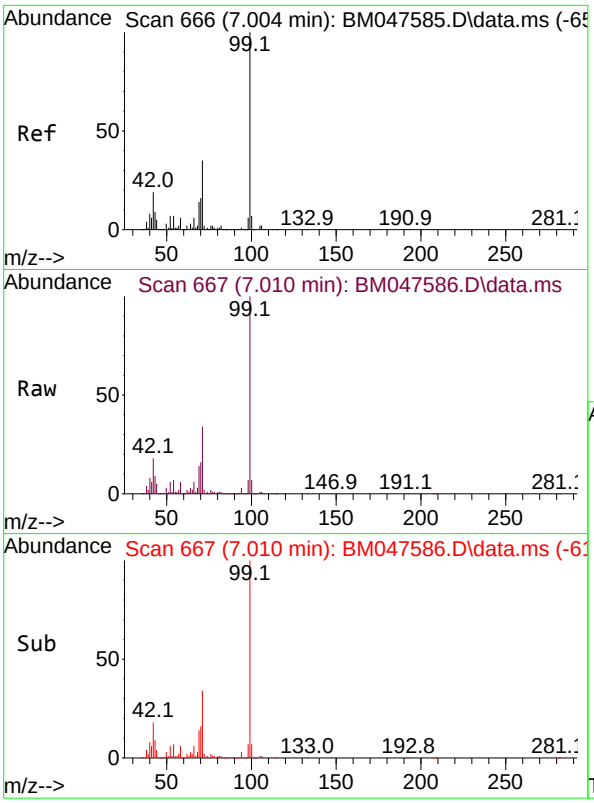


#6
Aniline
Concen: 50.040 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 93 Resp: 1028281

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.4	47.0
65	21.0	16.2	24.2

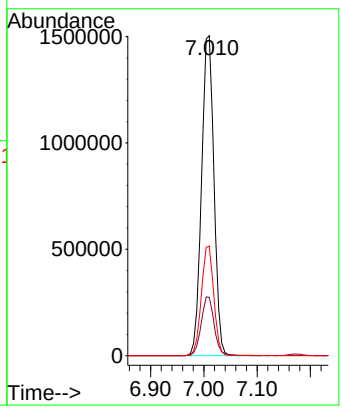




#7
Phenol-d6
Concen: 101.584 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 99 Resp: 243668

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.3	22.9
71	34.2	27.8	41.6



Instrument :
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ClientSampleId :
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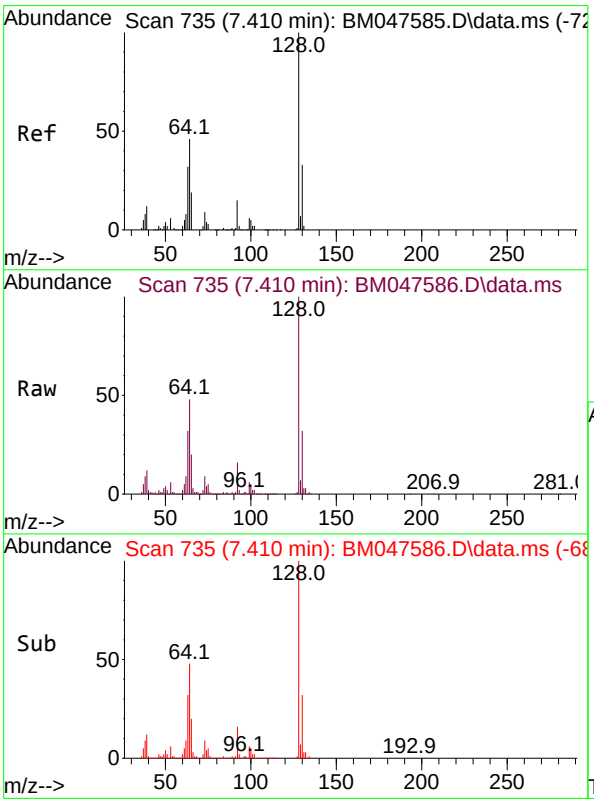
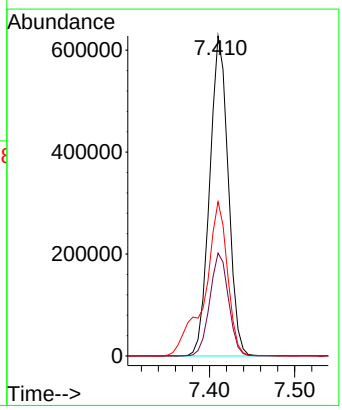
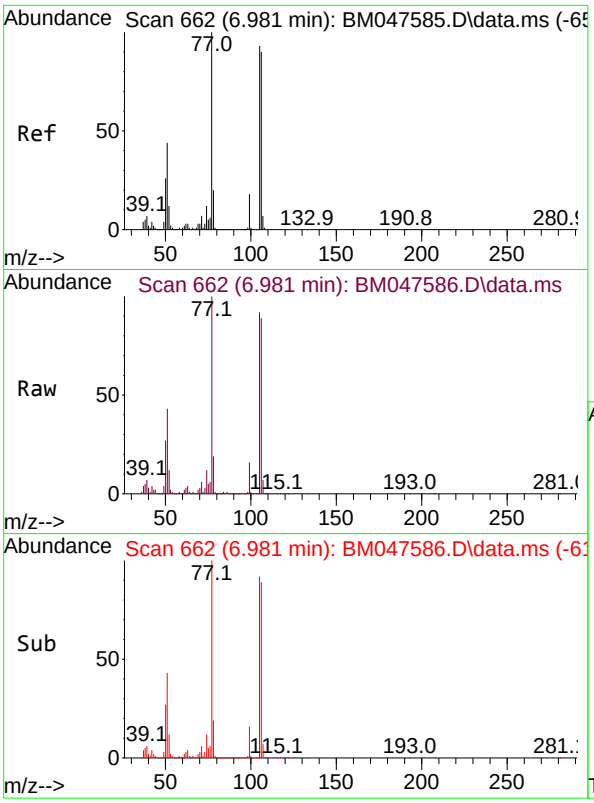


#8
2-Chlorophenol
Concen: 49.773 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:128 Resp: 948594

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	48.2	27.6	67.6

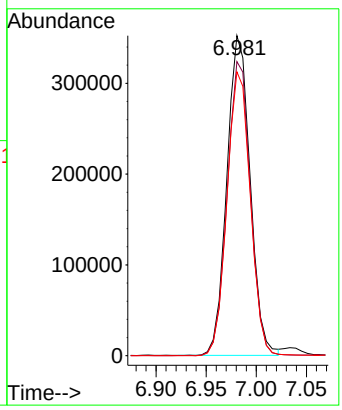




#9
Benzaldehyde
Concen: 46.328 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 77 Resp: 56777

Ion	Ratio	Lower	Upper
77	100		
105	91.9	73.0	113.0
106	88.7	70.3	110.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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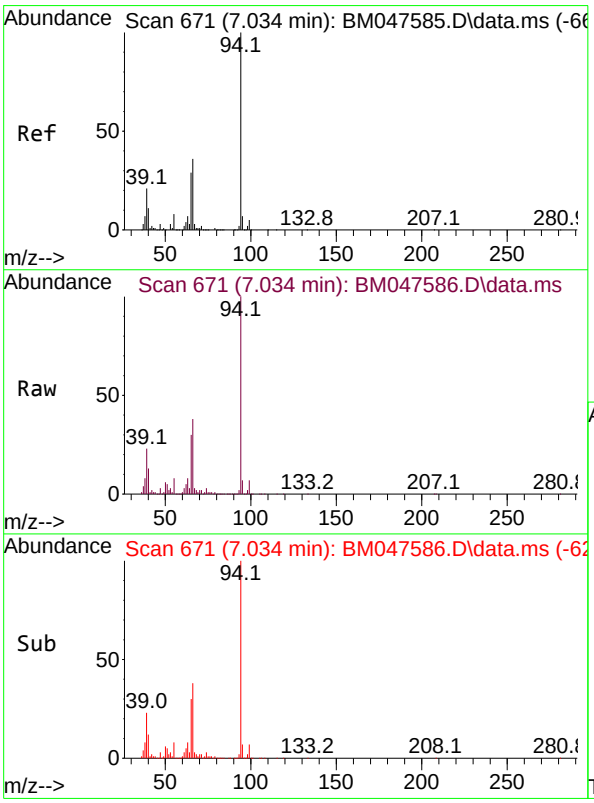
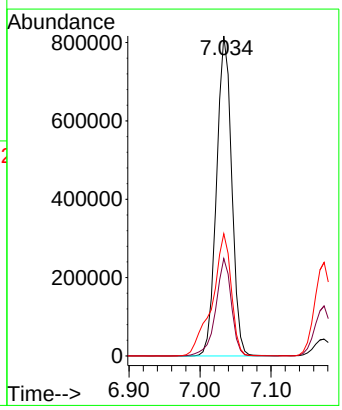
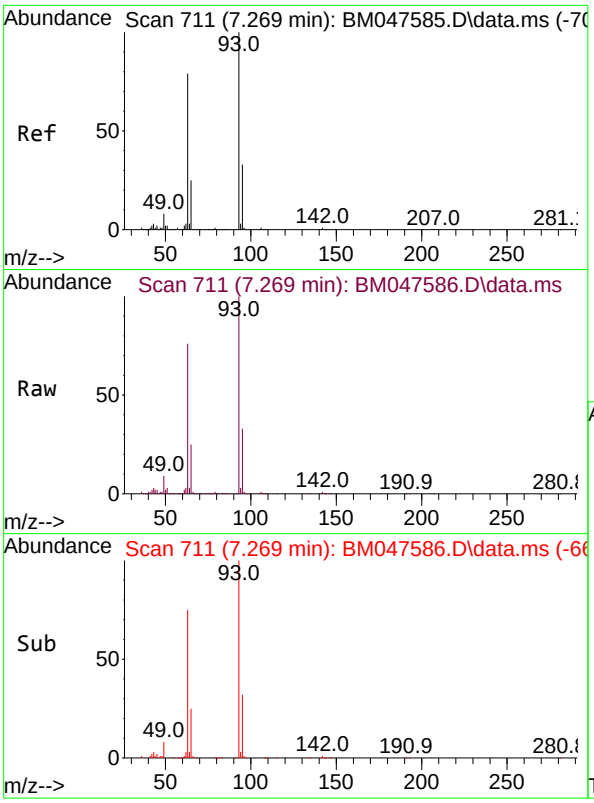


#10
Phenol
Concen: 50.614 ng
RT: 7.034 min Scan# 671
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 94 Resp: 1205511

Ion	Ratio	Lower	Upper
94	100		
65	30.5	9.1	49.1
66	38.2	16.5	56.5

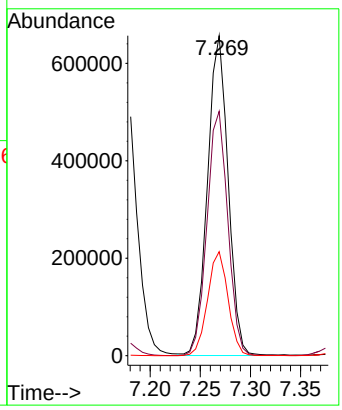




#11
bis(2-Chloroethyl)ether
Concen: 49.202 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 93 Resp: 94188

Ion	Ratio	Lower	Upper
93	100		
63	76.3	58.5	98.5
95	32.5	12.9	52.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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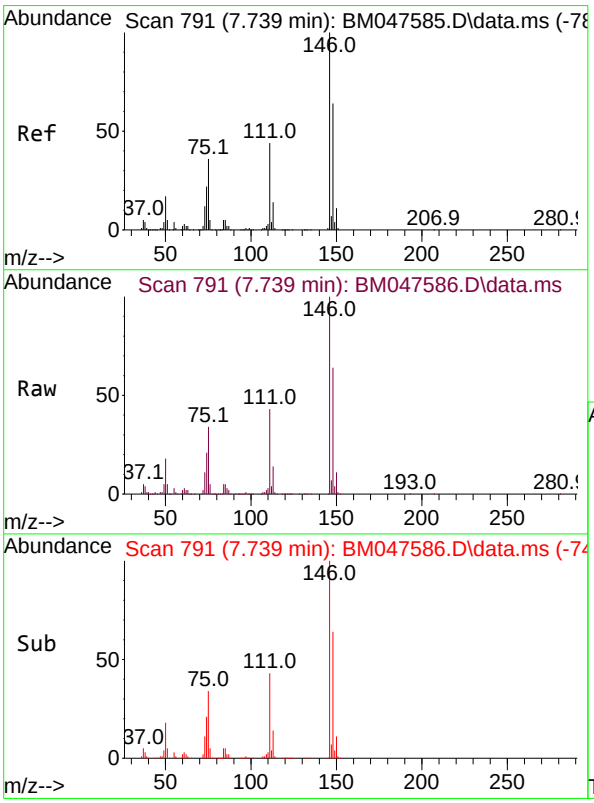
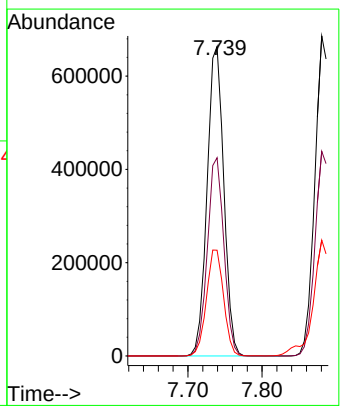
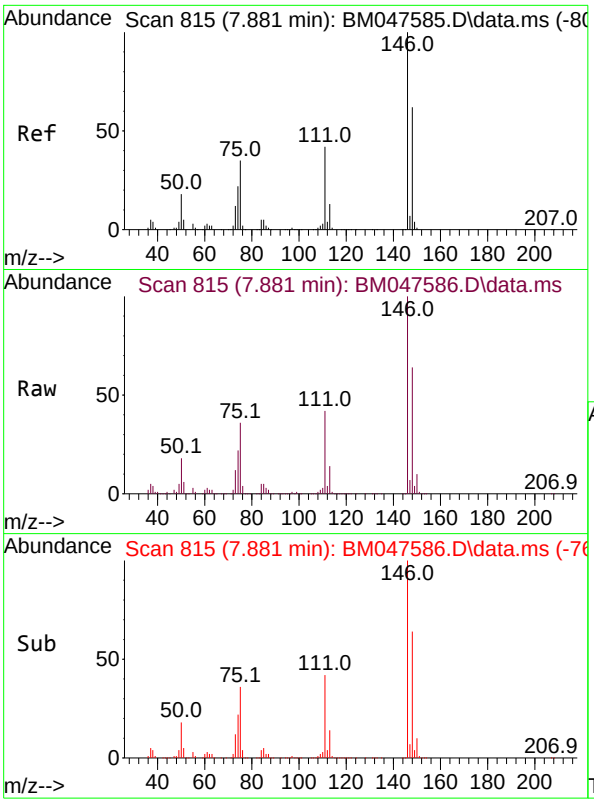


#12
1,3-Dichlorobenzene
Concen: 49.185 ng
RT: 7.739 min Scan# 791
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:146 Resp: 1036632

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
75	34.2	28.4	42.6

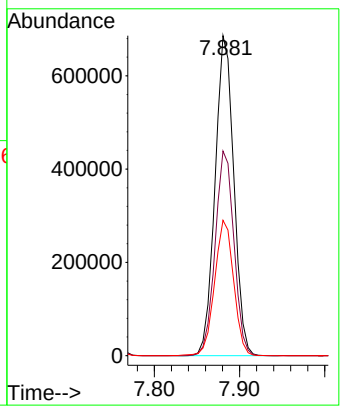




#13
1,4-Dichlorobenzene
Concen: 49.232 ng
RT: 7.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:146 Resp: 104989

Ion	Ratio	Lower	Upper
146	100		
148	63.9	49.8	74.6
111	42.3	33.3	49.9



Instrument :
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ClientSampleId :
SSTDICC050

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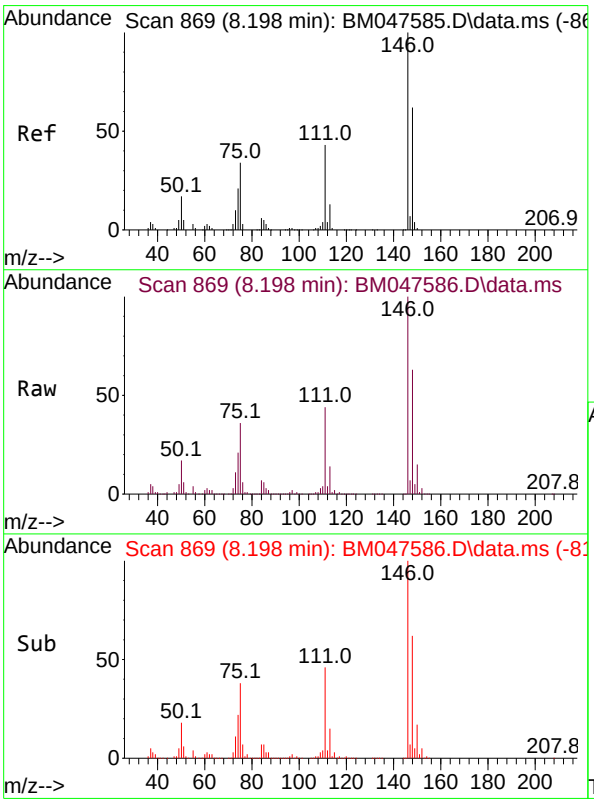
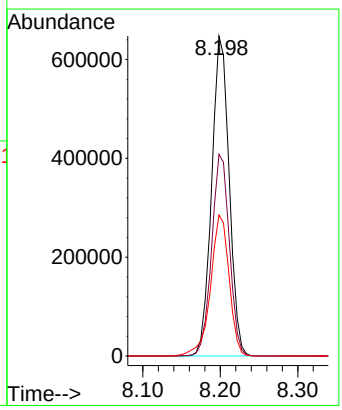
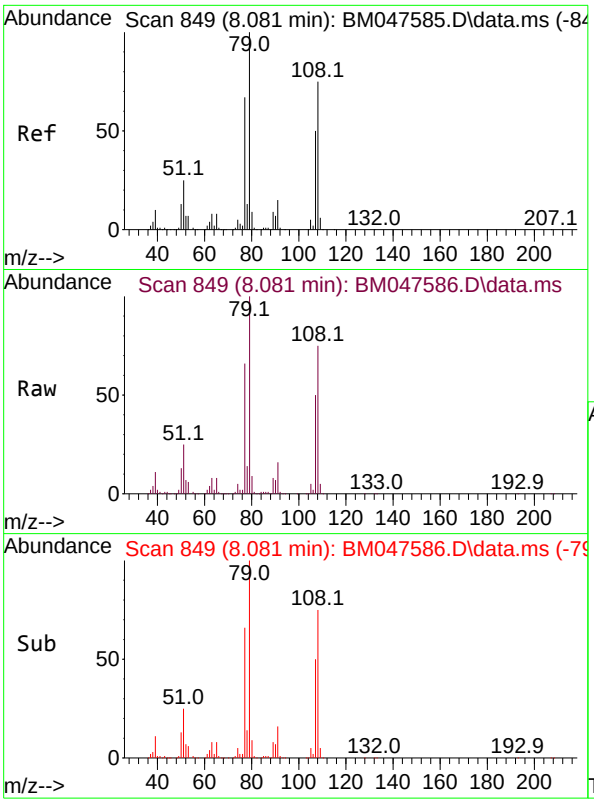


#14
1,2-Dichlorobenzene
Concen: 49.370 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:146 Resp: 1014846

Ion	Ratio	Lower	Upper
146	100		
148	63.0	49.7	74.5
111	44.0	34.8	52.2





#15
Benzyl Alcohol
Concen: 51.330 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 79 Resp: 79441

Ion	Ratio	Lower	Upper
79	100		
108	74.6	60.2	90.2
77	66.4	53.9	80.9

Instrument :
BNA_M
ClientSampleId :
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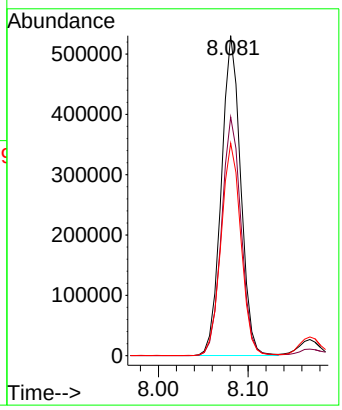
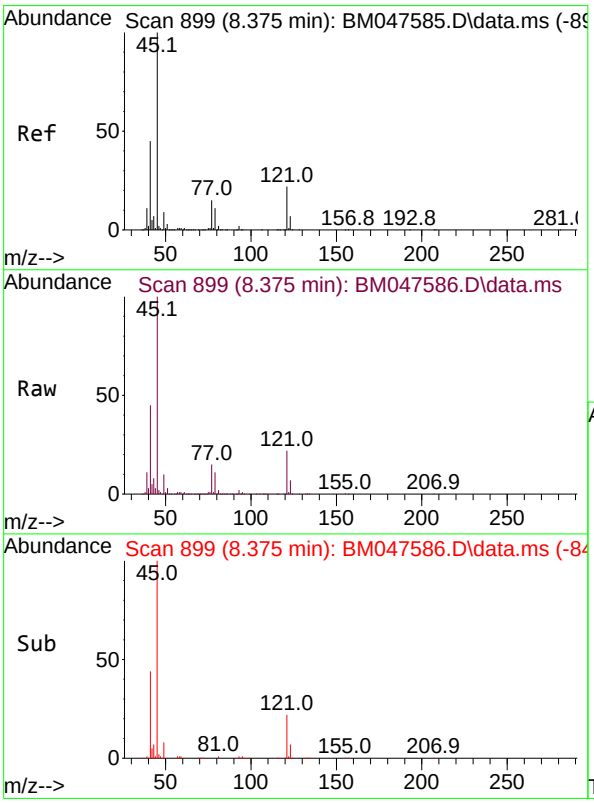
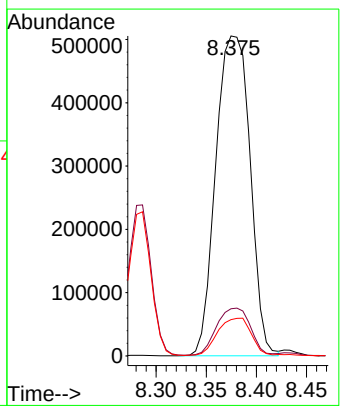


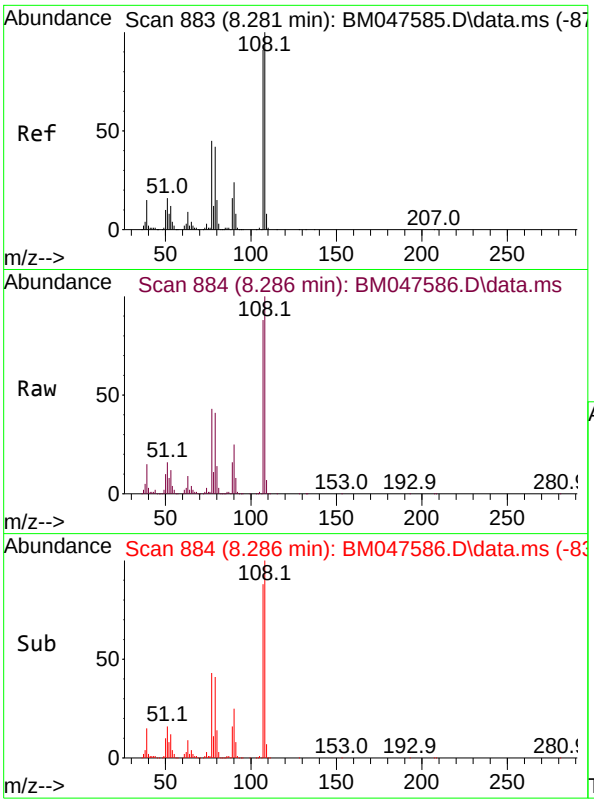


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.306 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 45 Resp: 1203122

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.5
79	11.4	0.0	31.6

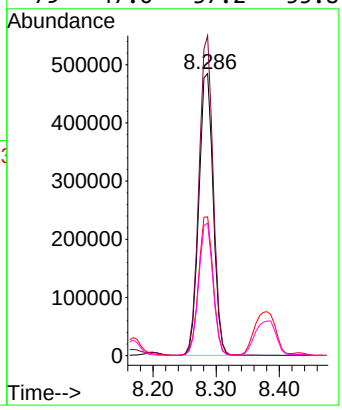




#17
2-Methylphenol
Concen: 50.947 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:107 Resp: 76264

Ion	Ratio	Lower	Upper
107	100		
108	113.4	87.8	131.6
77	49.2	39.6	59.4
79	47.0	37.2	55.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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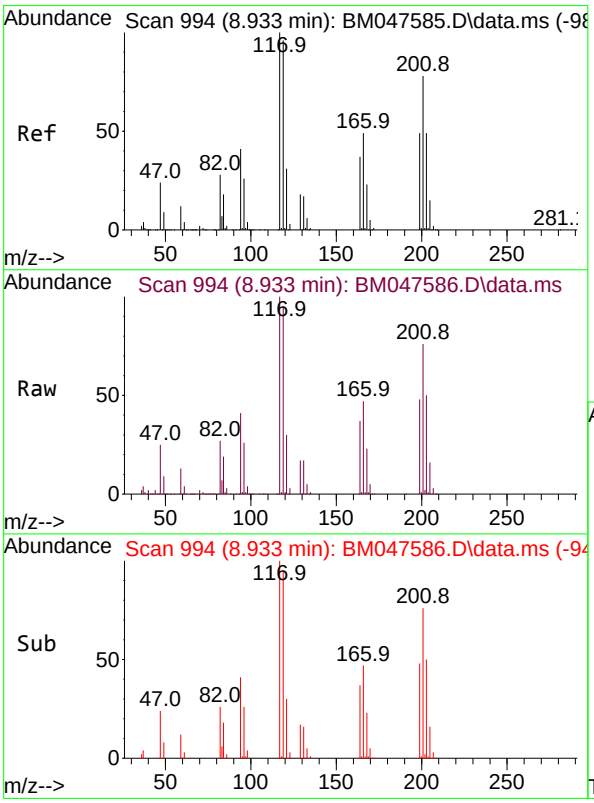
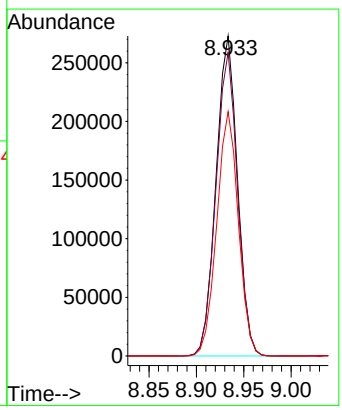
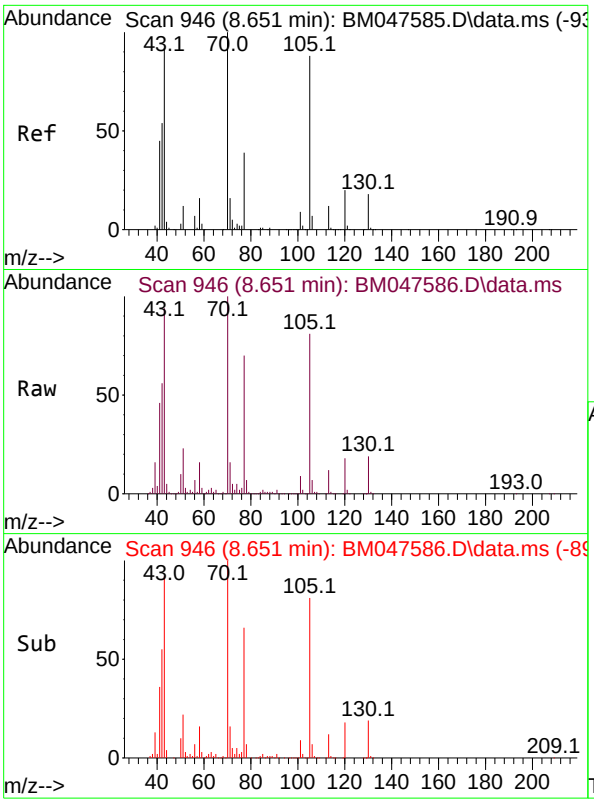


#18
Hexachloroethane
Concen: 49.705 ng
RT: 8.933 min Scan# 994
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:117 Resp: 429854

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.2	115.8
201	76.4	62.3	93.5

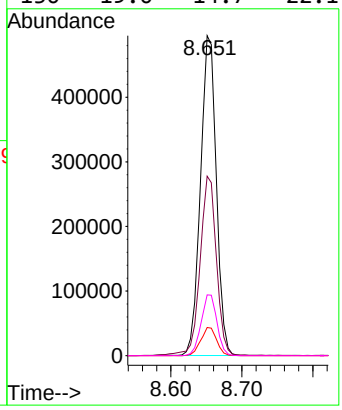




#19
n-Nitroso-di-n-propylamine
Concen: 52.268 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 70 Resp: 76797

Ion	Ratio	Lower	Upper
70	100		
42	56.1	44.2	66.2
101	8.8	7.0	10.4
130	19.0	14.7	22.1



Instrument :
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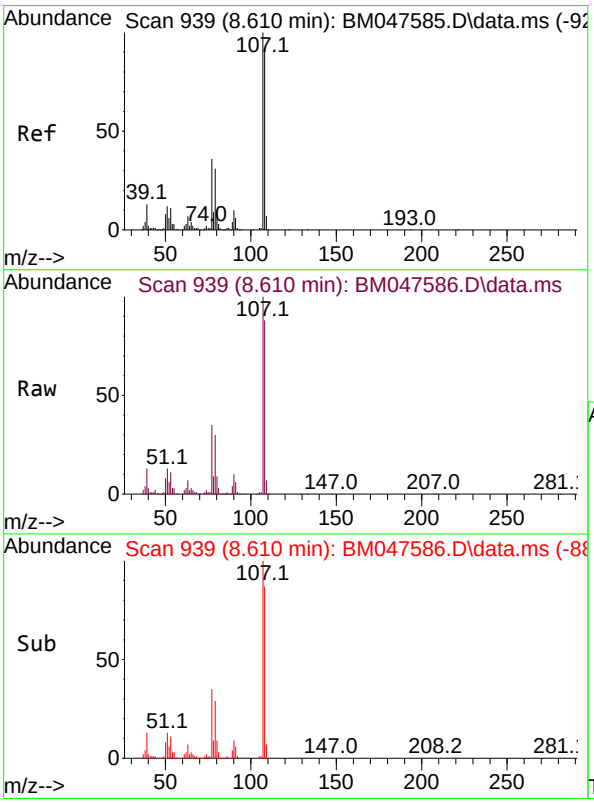
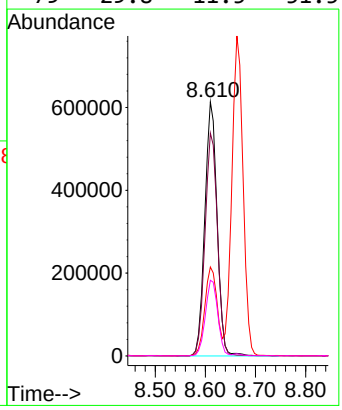
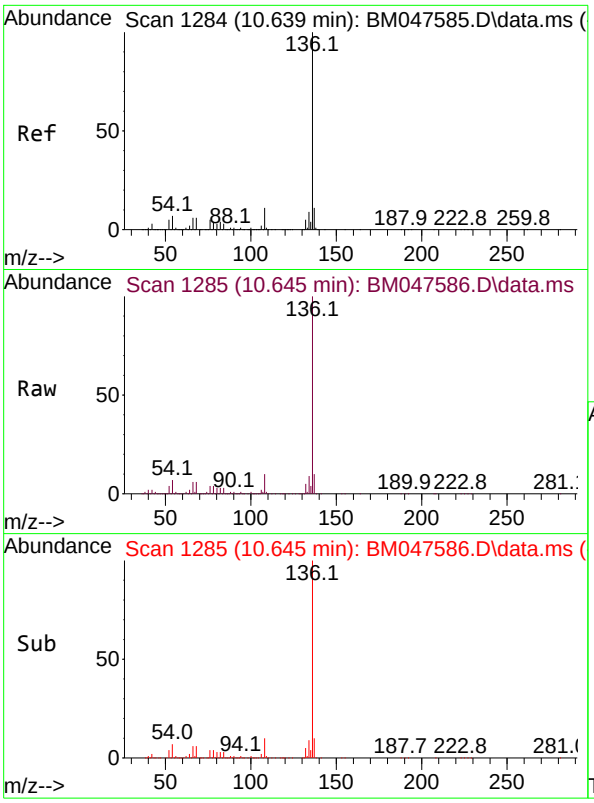


#20
3+4-Methylphenols
Concen: 51.254 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:107 Resp: 1045027

Ion	Ratio	Lower	Upper
107	100		
108	87.7	71.8	111.8
77	35.0	16.1	56.1
79	29.8	11.5	51.5

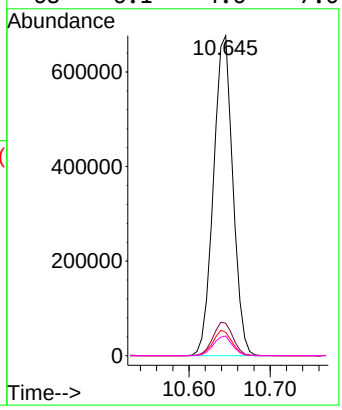




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:136 Resp: 112234

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.0	13.4
54	7.3	6.0	9.0
68	6.1	4.6	7.0



Instrument :
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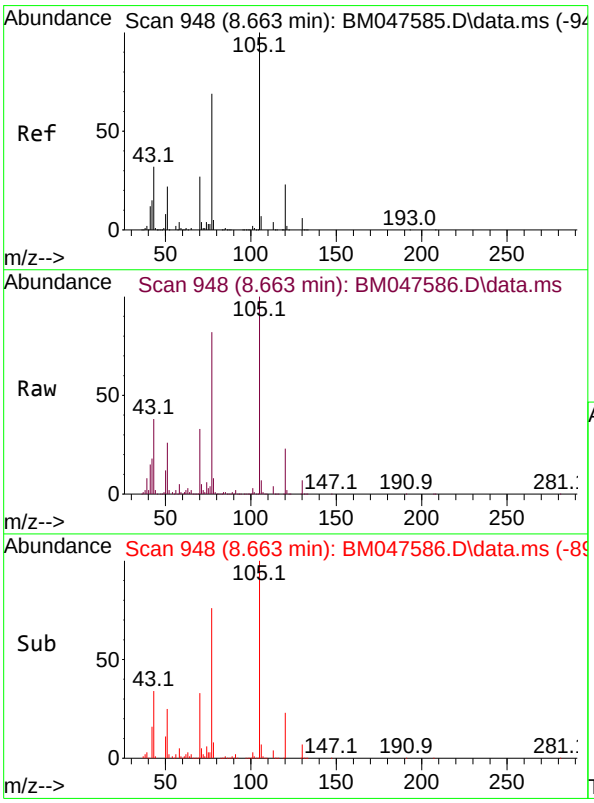
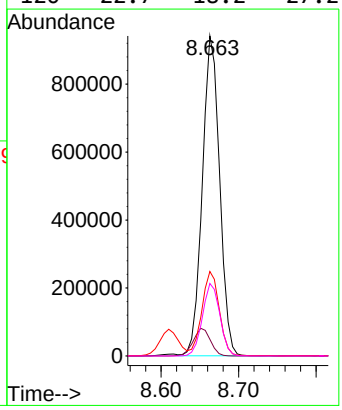
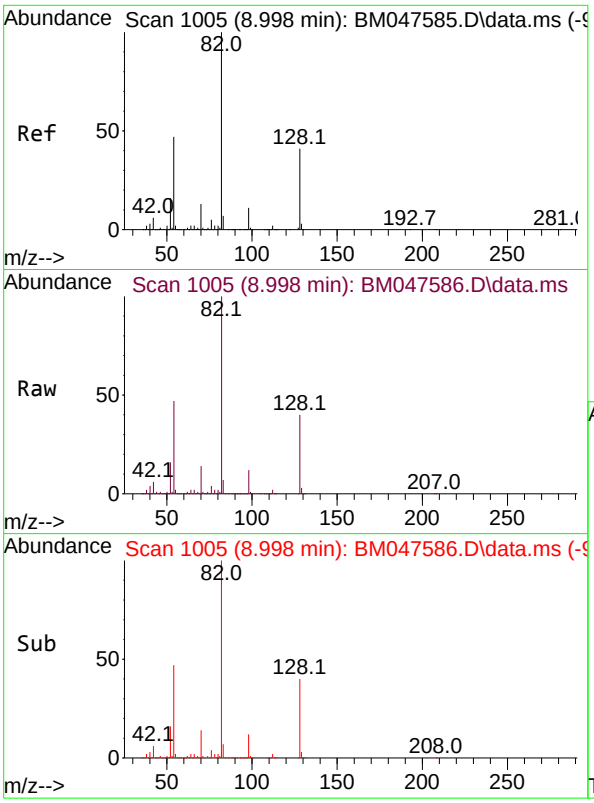


#22
Acetophenone
Concen: 49.882 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:105 Resp: 1458590

Ion	Ratio	Lower	Upper
105	100		
71	5.2	3.4	5.2#
51	26.4	21.4	32.2
120	22.7	18.2	27.2

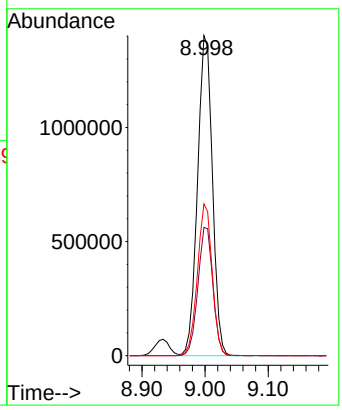




#23
Nitrobenzene-d5
Concen: 101.707 ng
RT: 8.998 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 82 Resp: 229308(

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.5	48.7
54	47.4	37.5	56.3



Instrument :
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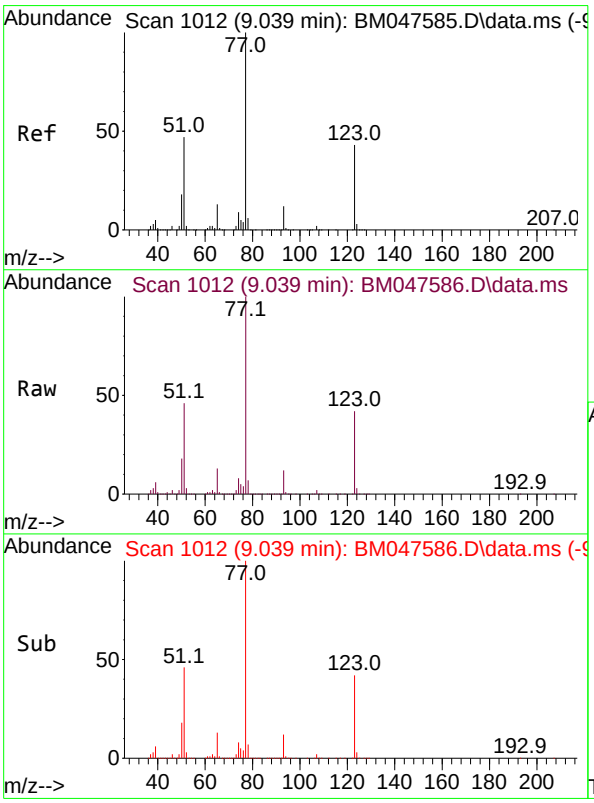
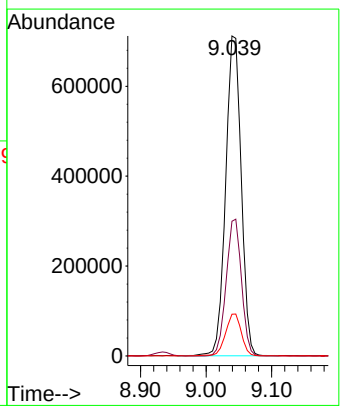
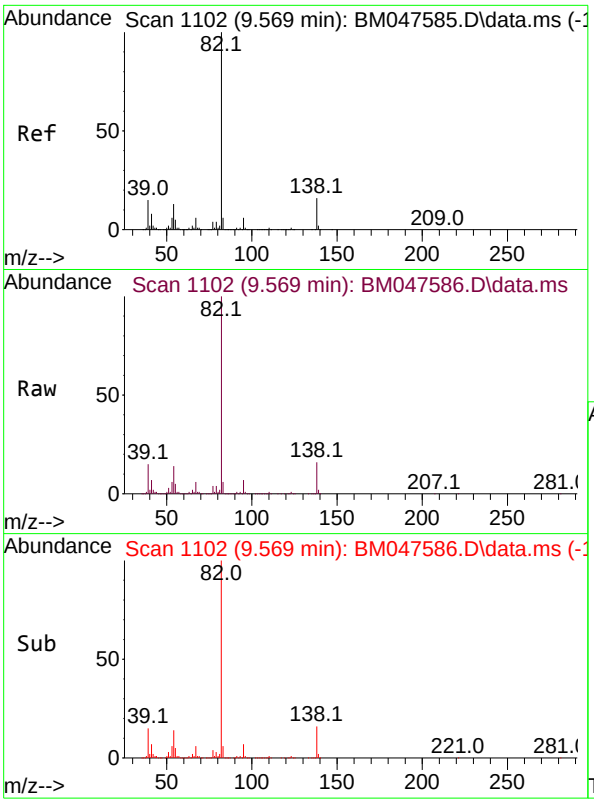


#24
Nitrobenzene
Concen: 50.207 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 77 Resp: 1169157

Ion	Ratio	Lower	Upper
77	100		
123	42.1	34.1	51.1
65	13.1	10.7	16.1

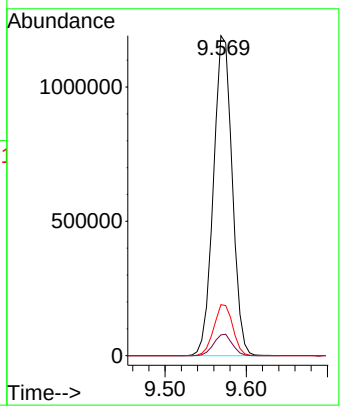




#25
Isophorone
Concen: 50.760 ng
RT: 9.569 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 82 Resp: 191256

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.0	7.6
138	15.9	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
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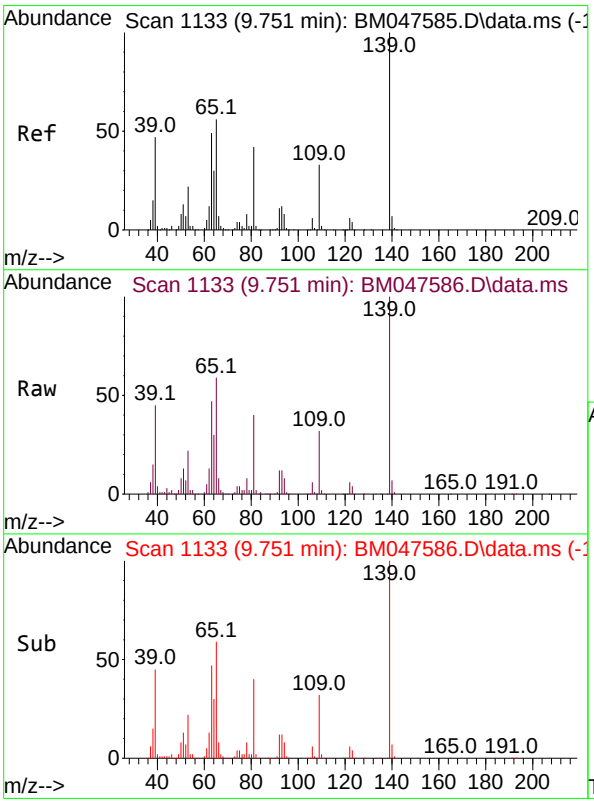
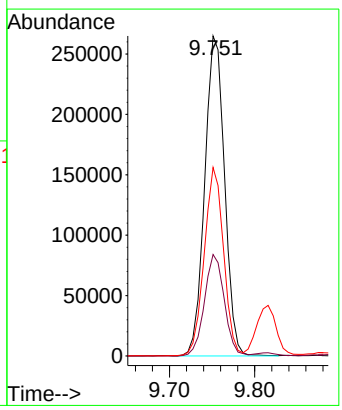
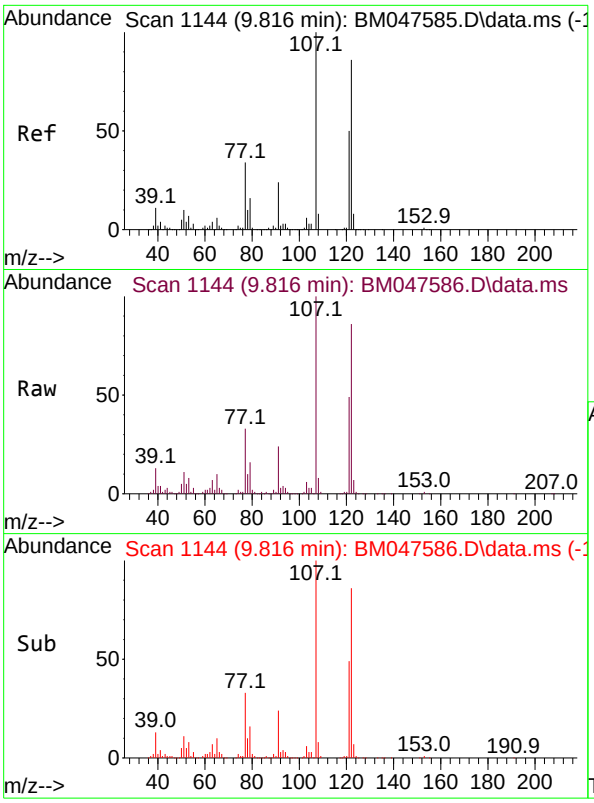


#26
2-Nitrophenol
Concen: 52.348 ng
RT: 9.751 min Scan# 1133
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:139 Resp: 428610

Ion	Ratio	Lower	Upper
139	100		
109	31.7	26.1	39.1
65	58.9	44.7	67.1





#27
2,4-Dimethylphenol
Concen: 49.602 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:122 Resp: 57889

Ion	Ratio	Lower	Upper
122	100		
107	116.4	92.2	138.2
121	56.9	45.8	68.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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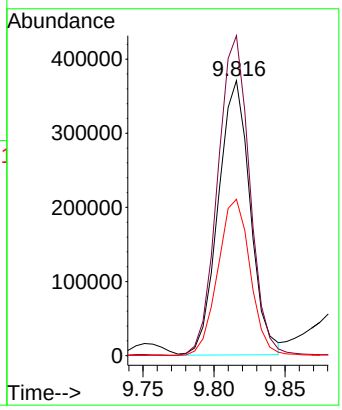
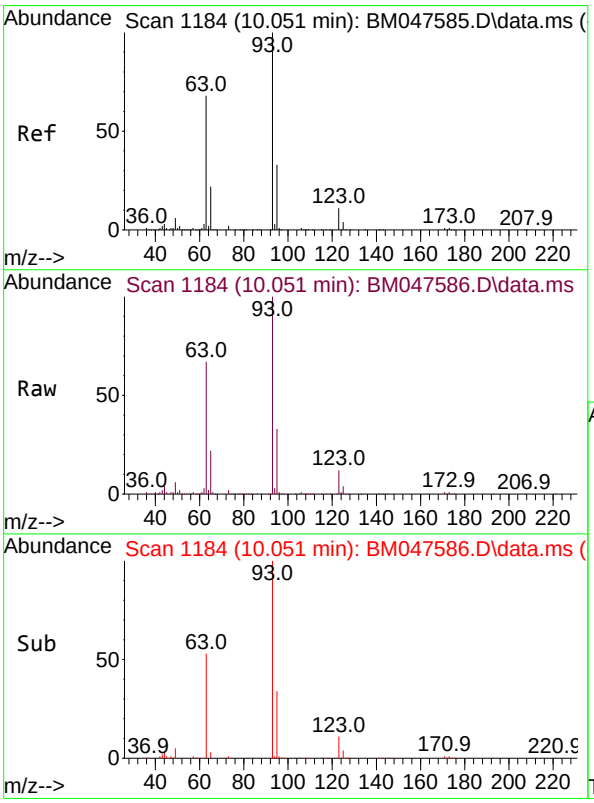
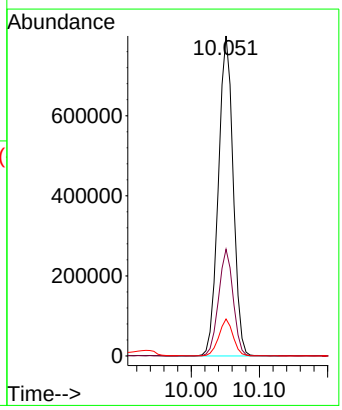


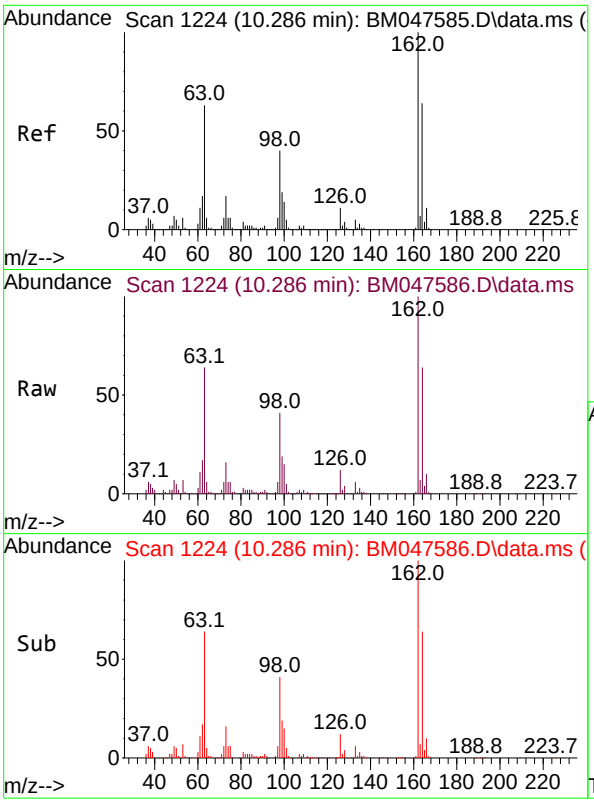


#28
bis(2-Chloroethoxy)methane
Concen: 49.744 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 93 Resp: 1205760

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	11.6	9.0	13.4

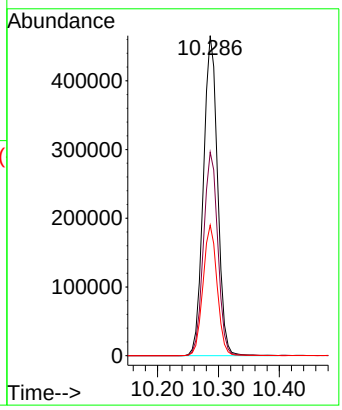




#29
2,4-Dichlorophenol
Concen: 51.092 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:162 Resp: 75379

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.9	83.9
98	40.8	20.3	60.3



Instrument :
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ClientSampleId :
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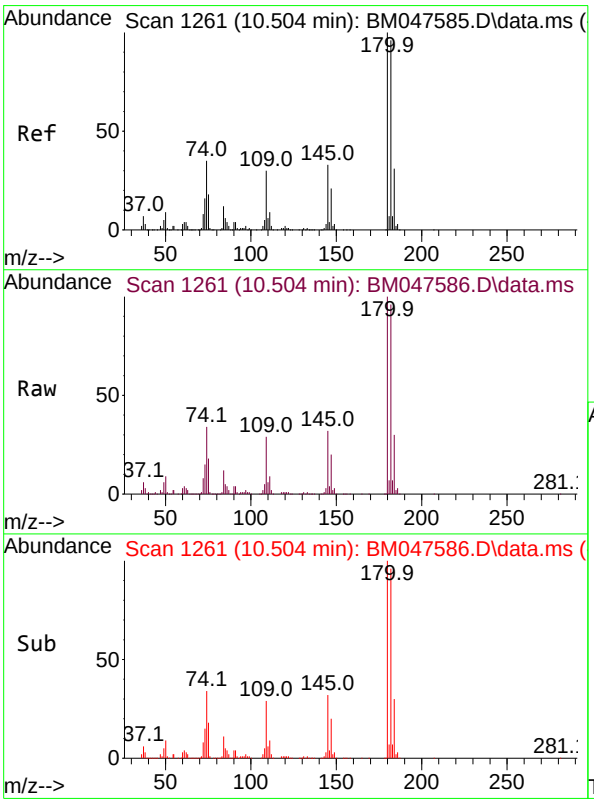
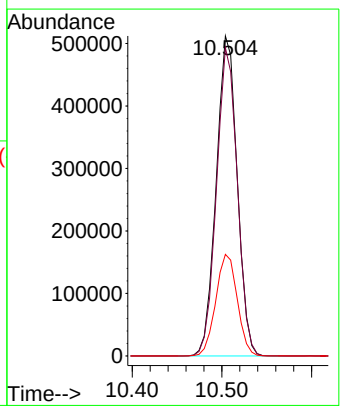
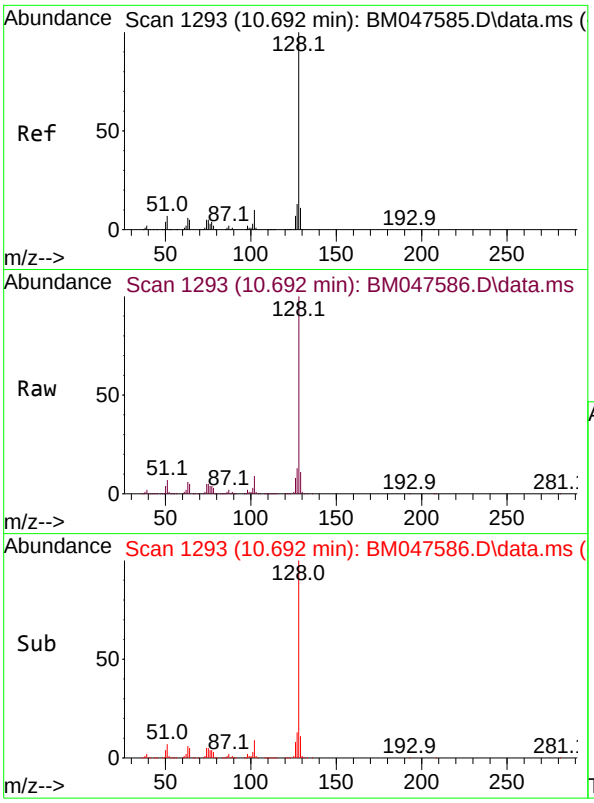


#30
1,2,4-Trichlorobenzene
Concen: 49.383 ng
RT: 10.504 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:180 Resp: 830417

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	115.0
145	31.8	26.2	39.2

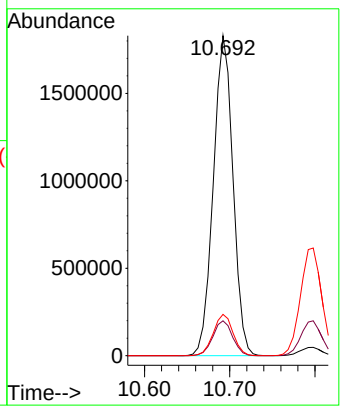




#31
Naphthalene
Concen: 49.443 ng
RT: 10.692 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:128 Resp: 293584

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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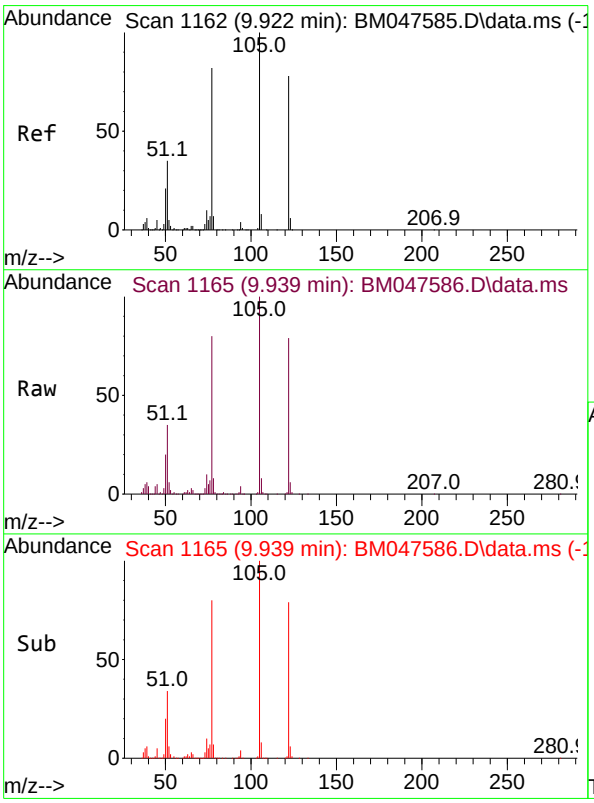
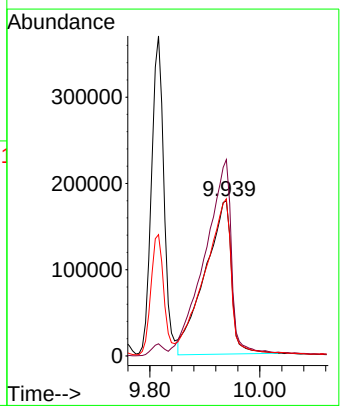
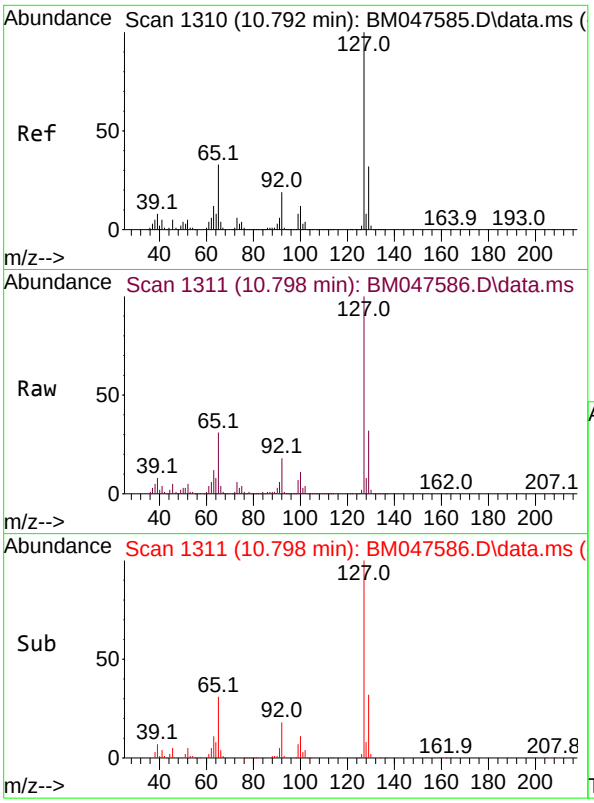


#32
Benzoic acid
Concen: 54.610 ng
RT: 9.939 min Scan# 1165
Delta R.T. 0.018 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:122 Resp: 594861

Ion	Ratio	Lower	Upper
122	100		
105	126.5	103.1	143.1
77	101.3	82.4	122.4

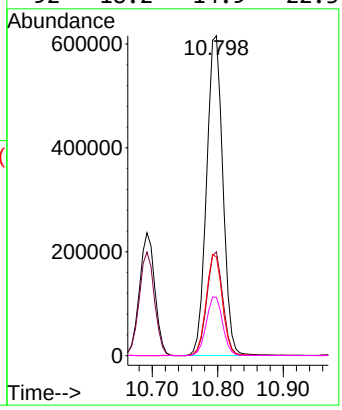




#33
4-Chloroaniline
Concen: 50.927 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:127 Resp: 106611

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.6	38.4
65	30.9	26.1	39.1
92	18.2	14.9	22.3



Instrument :
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ClientSampleId :
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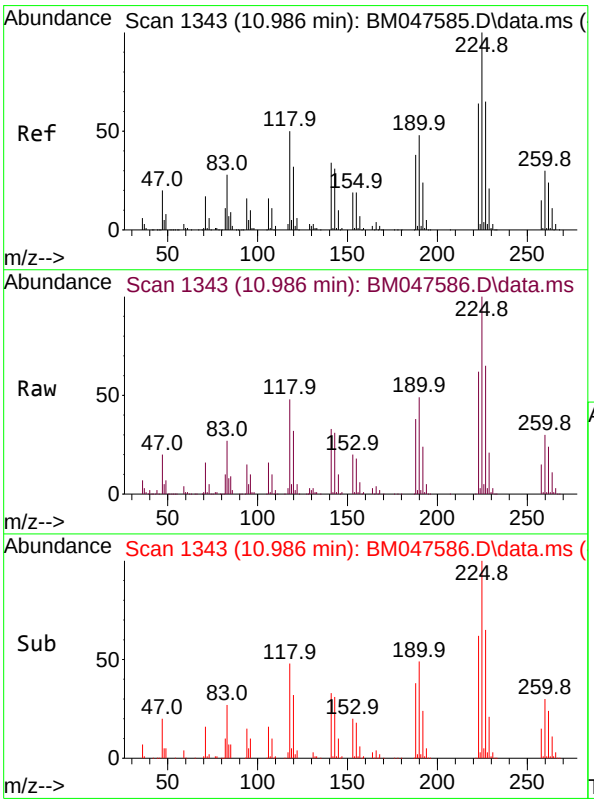
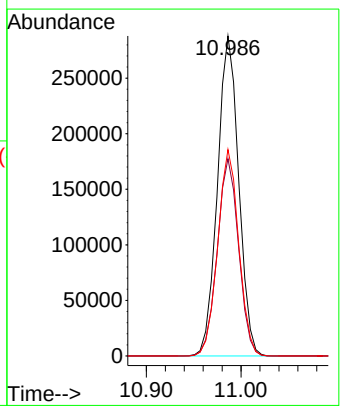
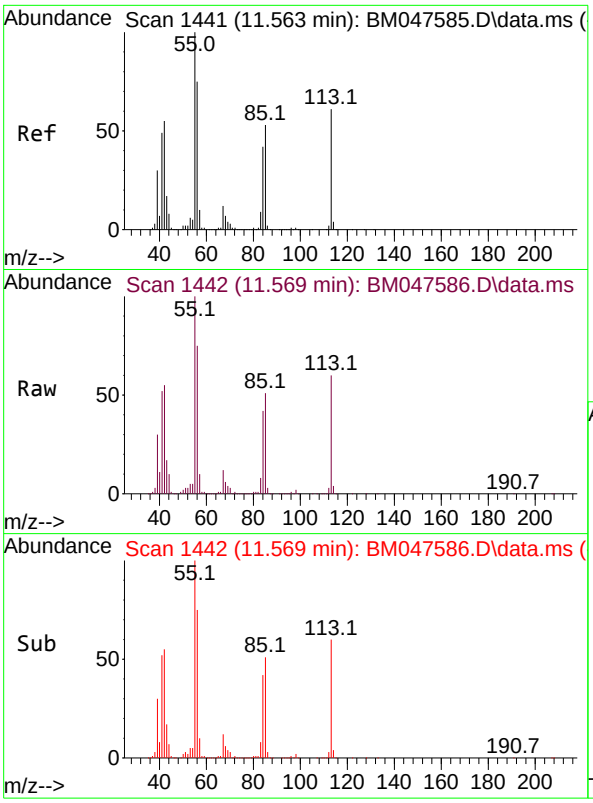


#34
Hexachlorobutadiene
Concen: 49.010 ng
RT: 10.986 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:225 Resp: 448499

Ion	Ratio	Lower	Upper
225	100		
223	61.7	51.4	77.0
227	64.5	52.1	78.1

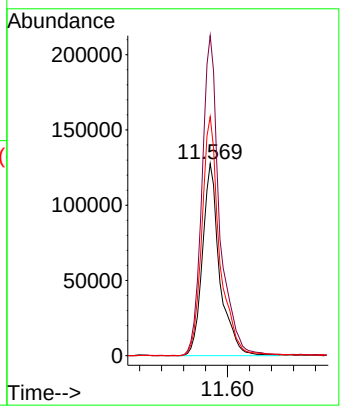




#35
Caprolactam
Concen: 54.544 ng
RT: 11.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:113 Resp: 27815

Ion	Ratio	Lower	Upper
113	100		
55	166.6	145.5	185.5
56	124.5	103.9	143.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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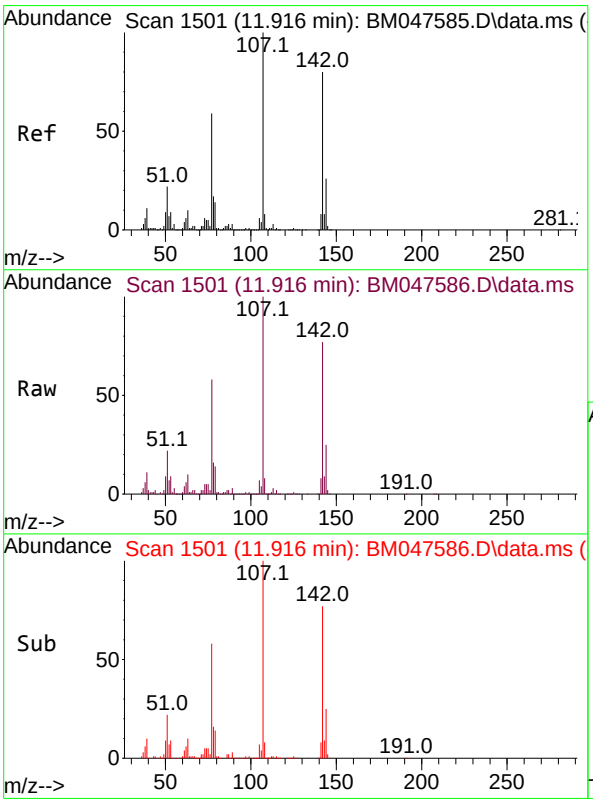
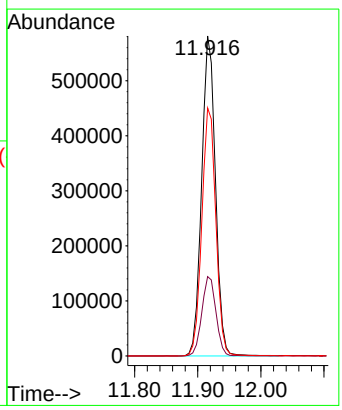
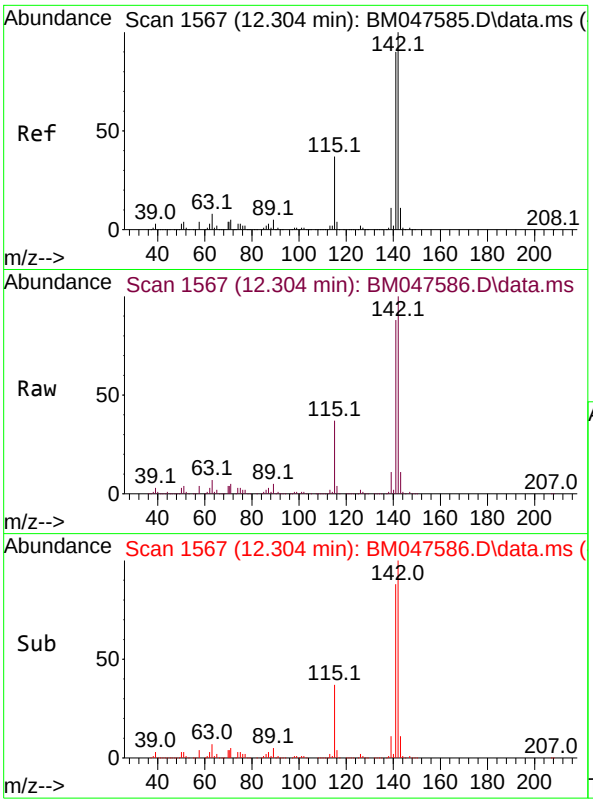


#36
4-Chloro-3-methylphenol
Concen: 52.458 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:107 Resp: 883037

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	77.5	63.9	95.9

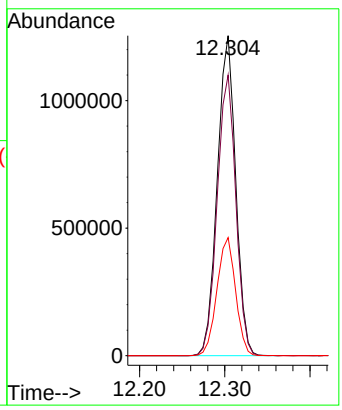




#37
2-Methylnaphthalene
Concen: 50.446 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:142 Resp: 188189

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.7	107.5
115	36.9	29.5	44.3



Instrument :
BNA_M
ClientSampleId :
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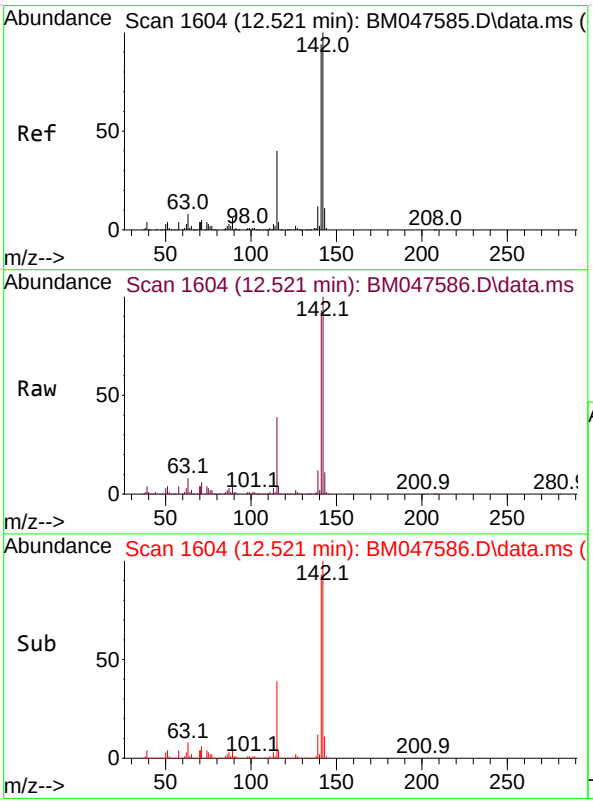
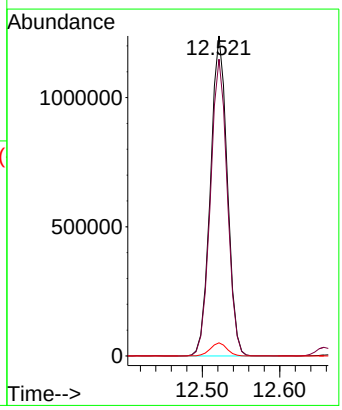
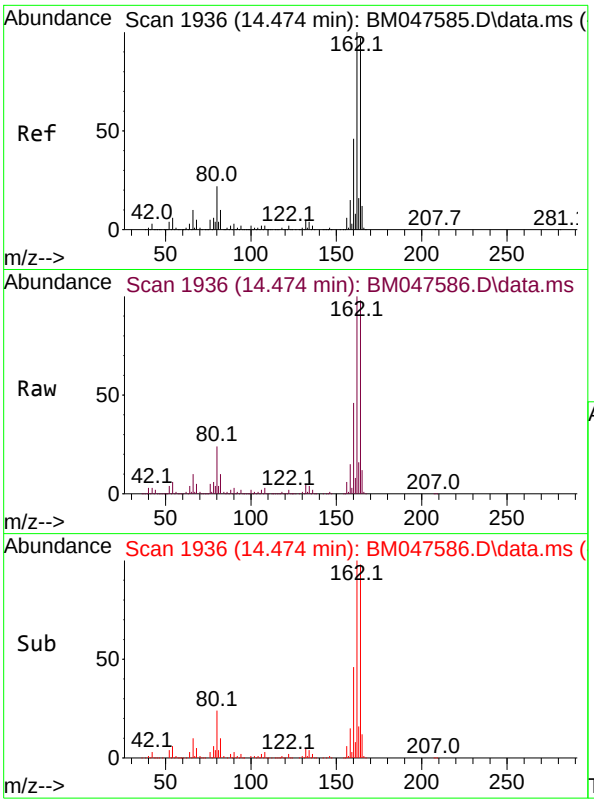


#38
1-Methylnaphthalene
Concen: 50.406 ng
RT: 12.521 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:142 Resp: 1865450

Ion	Ratio	Lower	Upper
142	100		
141	92.8	75.3	112.9
116	4.1	3.0	4.4

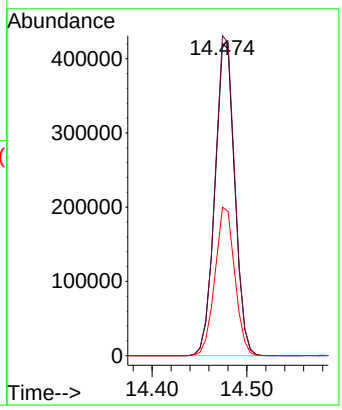




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:164 Resp: 61129

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	47.6	37.8	56.6



Instrument :
BNA_M
ClientSampleId :
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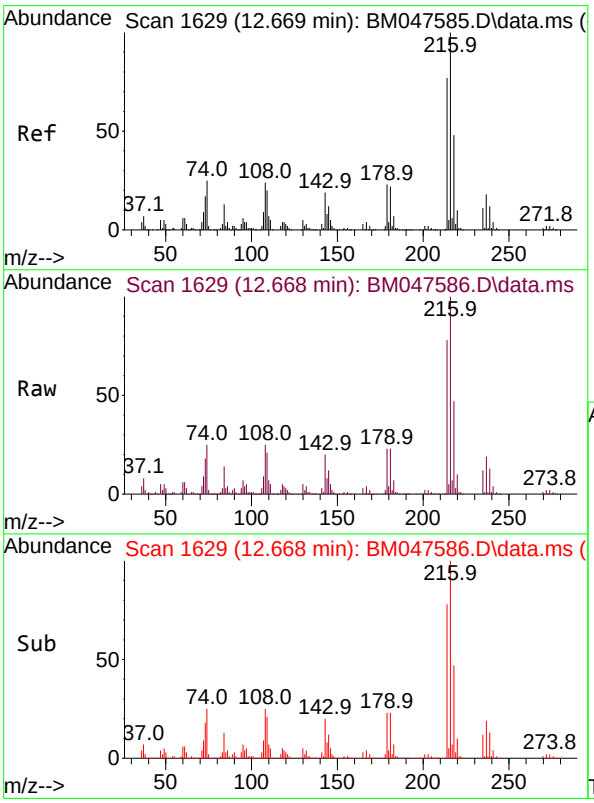
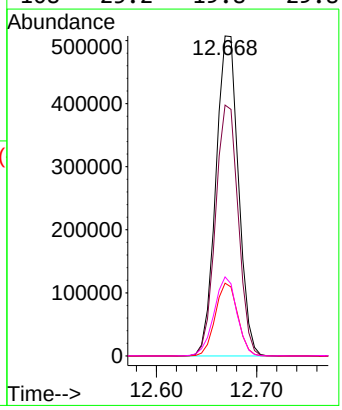
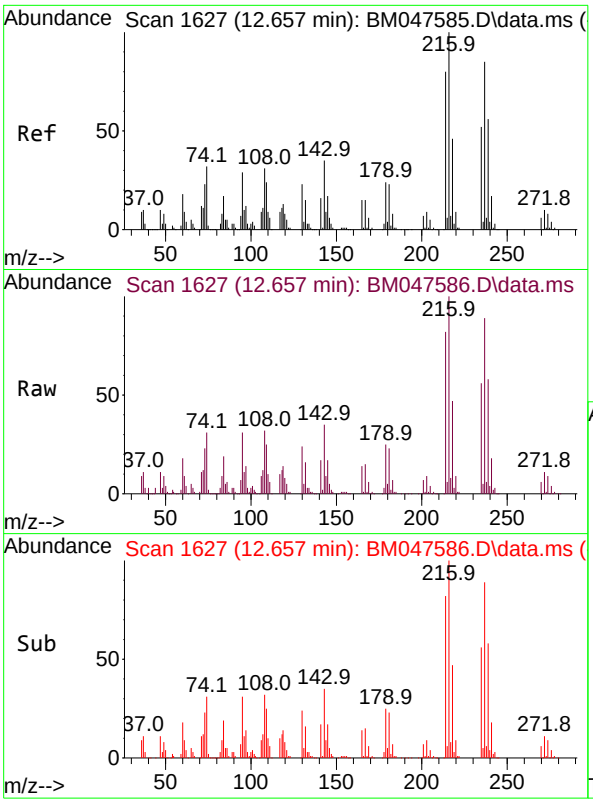


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.015 ng
RT: 12.668 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:216 Resp: 790689

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.8	94.2
179	22.6	18.5	27.7
108	25.2	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 48.906 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:237 Resp: 26047

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.2	81.2
272	12.3	0.0	32.0

Instrument :
BNA_M
ClientSampleId :
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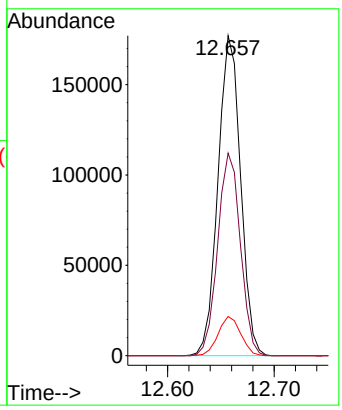
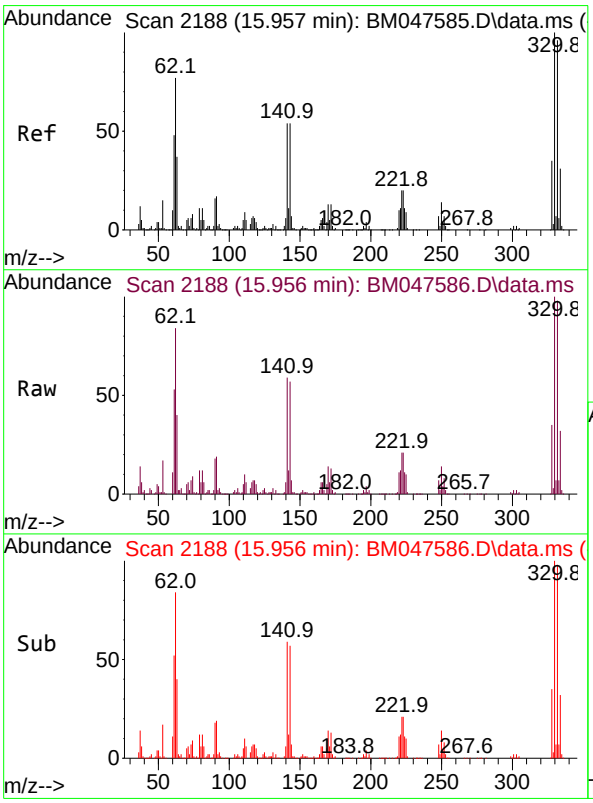
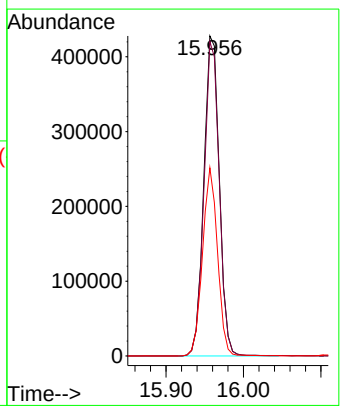


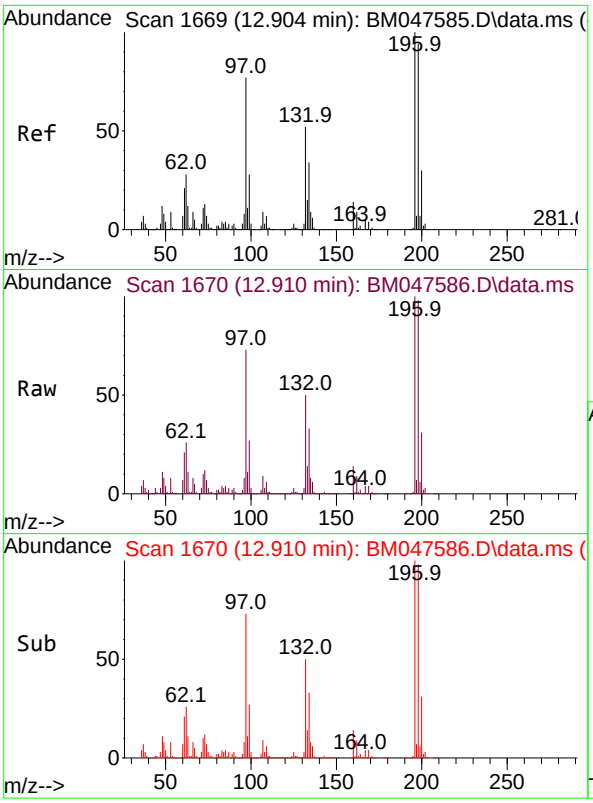


#42
2,4,6-Tribromophenol
Concen: 105.018 ng
RT: 15.956 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:330 Resp: 594445

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.4
141	56.9	45.9	68.9





#43
2,4,6-Trichlorophenol
Concen: 51.362 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:196 Resp: 53848

Ion	Ratio	Lower	Upper
196	100		
198	97.7	75.5	113.3
200	30.8	24.3	36.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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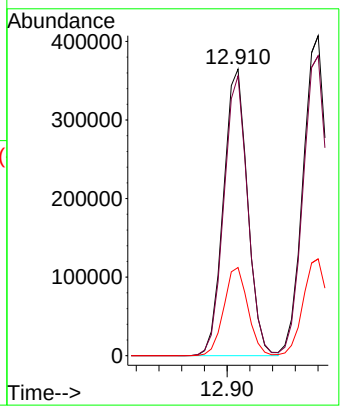
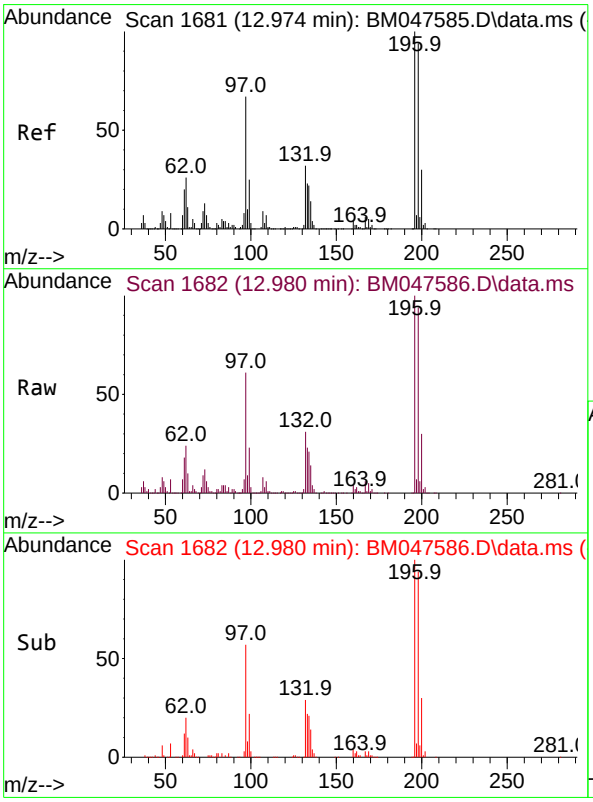
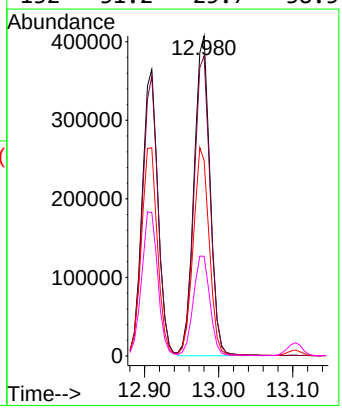


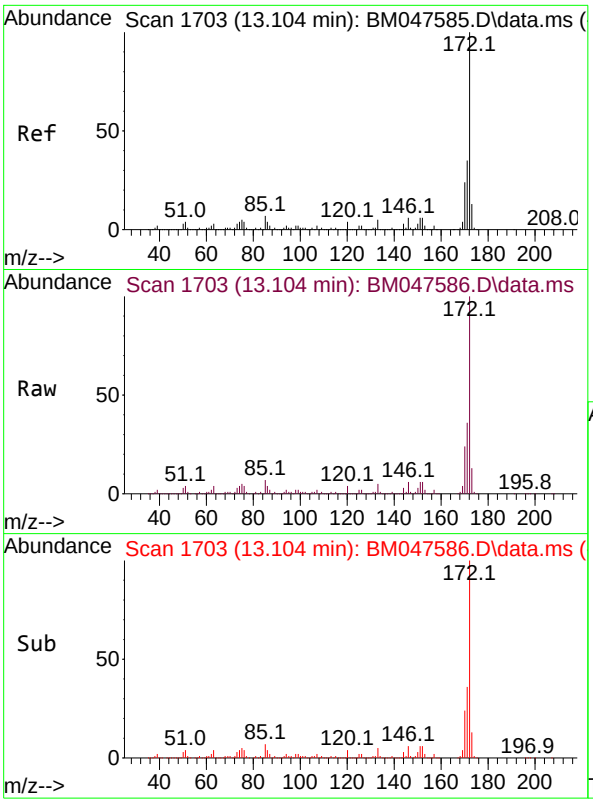


#44
2,4,5-Trichlorophenol
Concen: 51.868 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:196 Resp: 611244

Ion	Ratio	Lower	Upper
196	100		
198	93.7	75.5	113.3
97	61.1	53.5	80.3
132	31.2	25.7	38.5

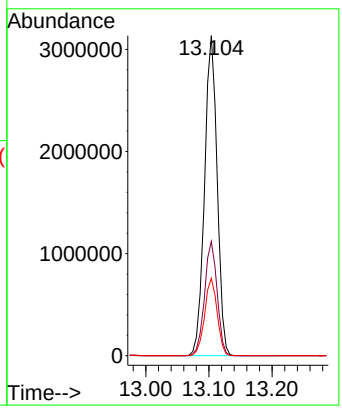




#45
2-Fluorobiphenyl
Concen: 100.427 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:172 Resp: 433866

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.1	42.1
170	24.2	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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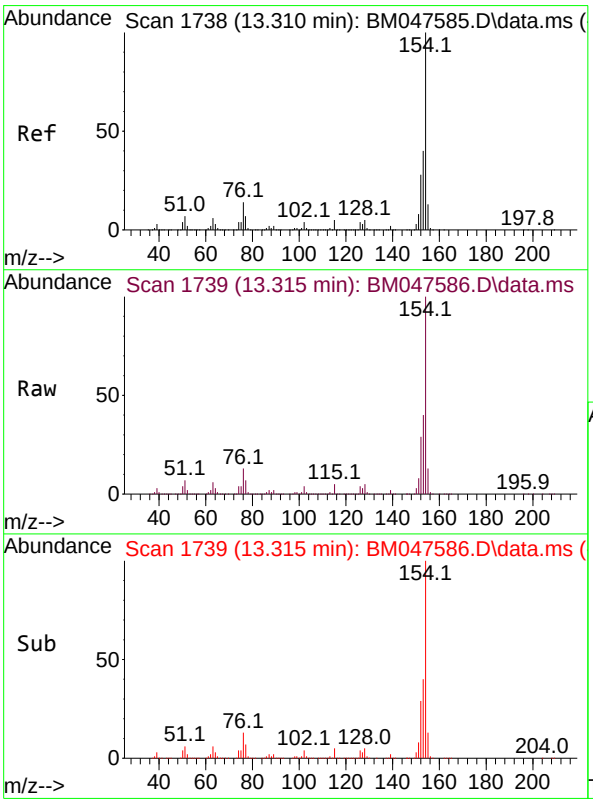
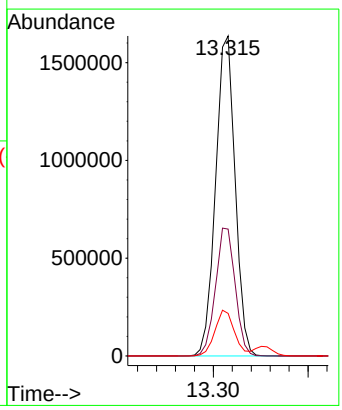
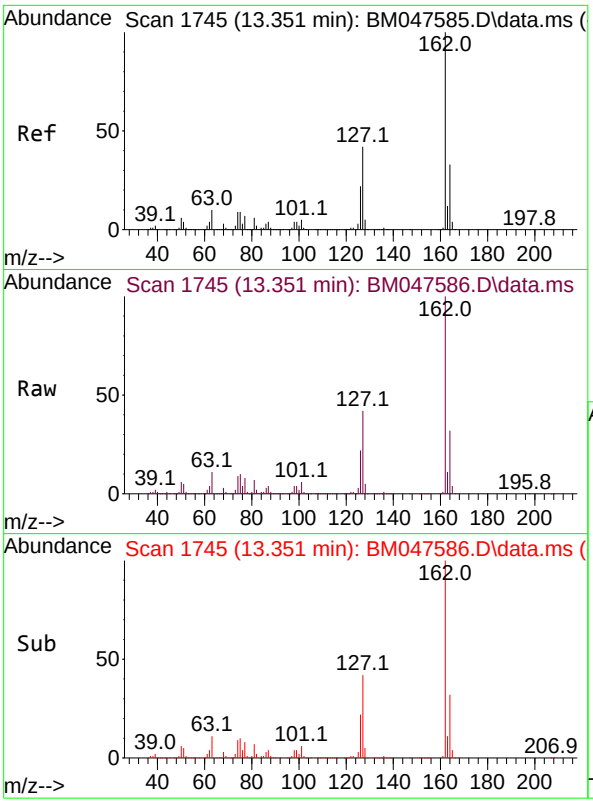


#46
1,1'-Biphenyl
Concen: 49.599 ng
RT: 13.315 min Scan# 1739
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:154 Resp: 2341539

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.9	59.9
76	13.3	0.0	34.5

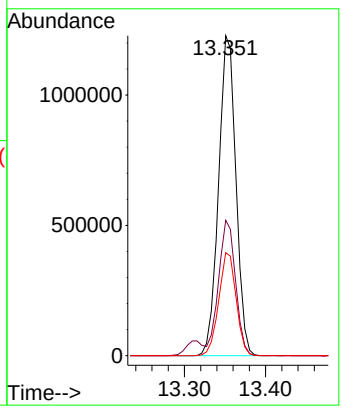




#47
2-Chloronaphthalene
Concen: 49.443 ng
RT: 13.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:162 Resp: 182637

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.8	50.6
164	32.2	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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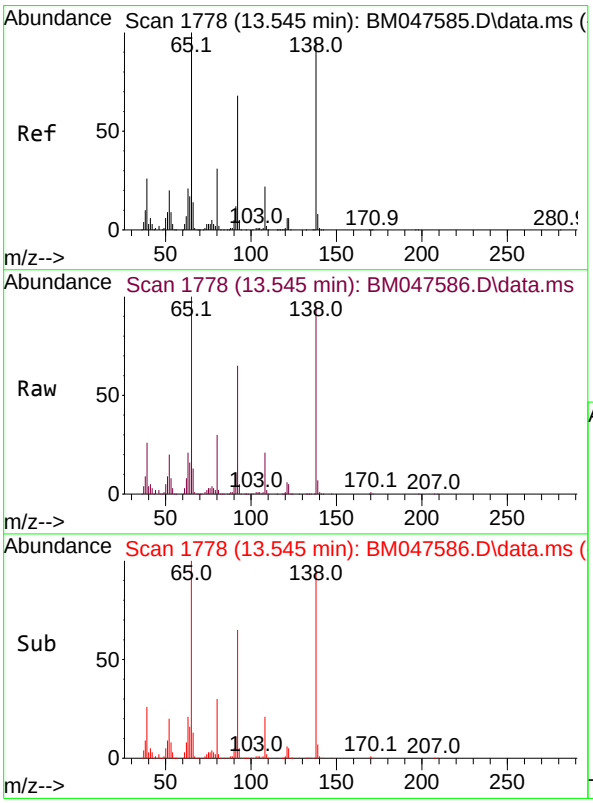
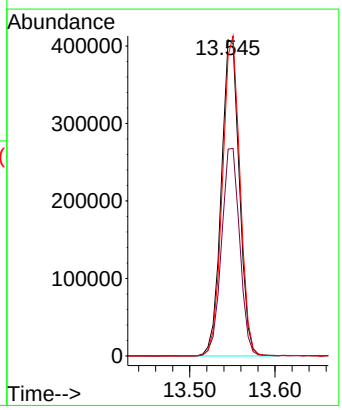
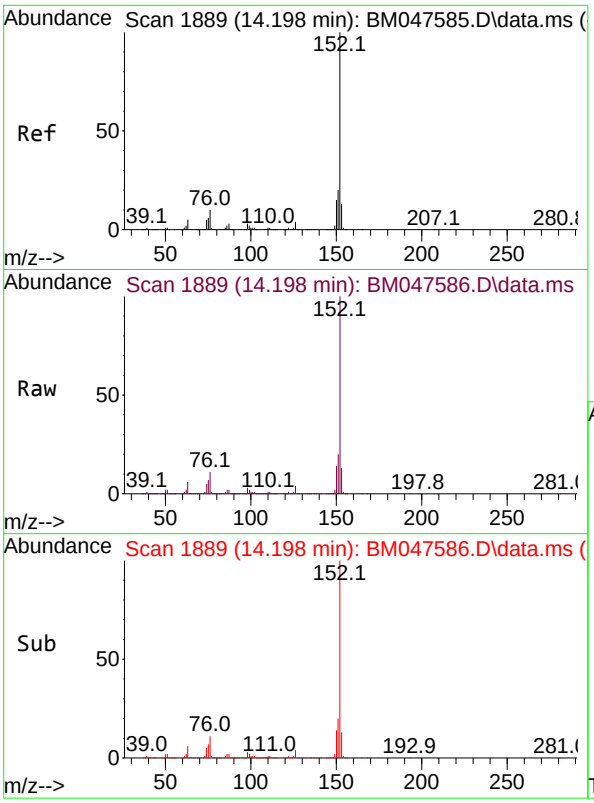


#48
2-Nitroaniline
Concen: 54.359 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 65 Resp: 599724

Ion	Ratio	Lower	Upper
65	100		
92	65.4	54.2	81.4
138	95.0	76.6	114.8

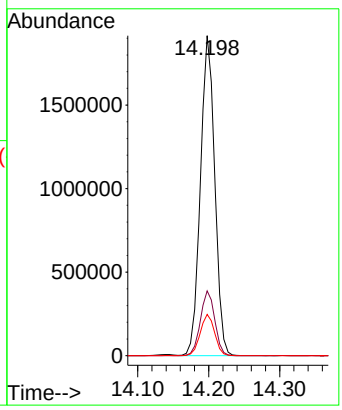




#49
Acenaphthylene
Concen: 50.720 ng
RT: 14.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:152 Resp: 269617

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	12.9	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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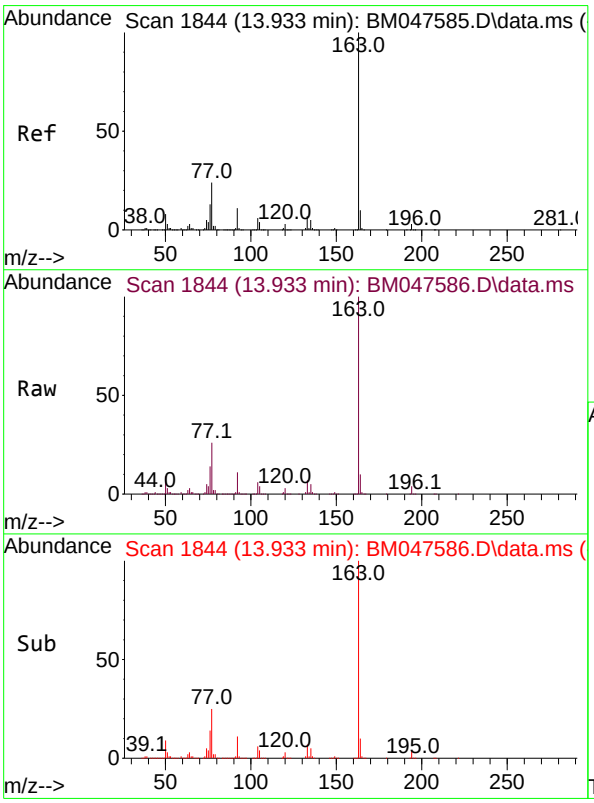
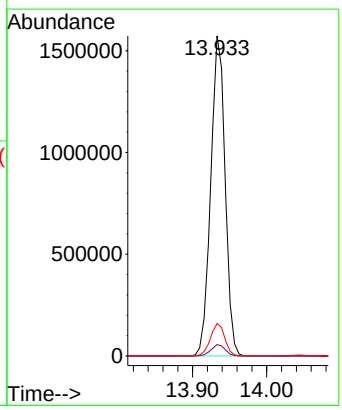
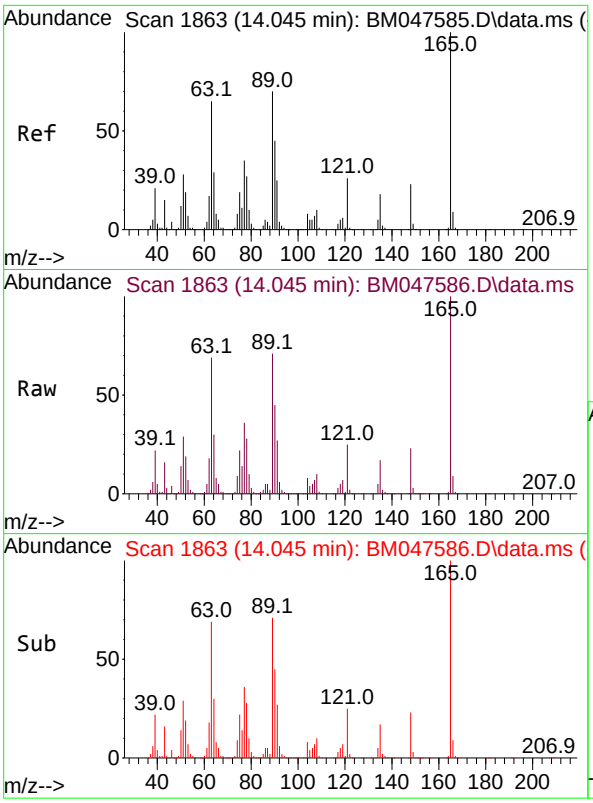


#50
Dimethylphthalate
Concen: 50.111 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:163 Resp: 2115016

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 53.658 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:165 Resp: 47449

Ion	Ratio	Lower	Upper
165	100		
63	68.6	53.0	79.6
89	70.9	56.4	84.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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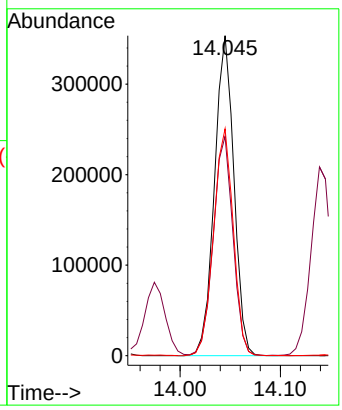
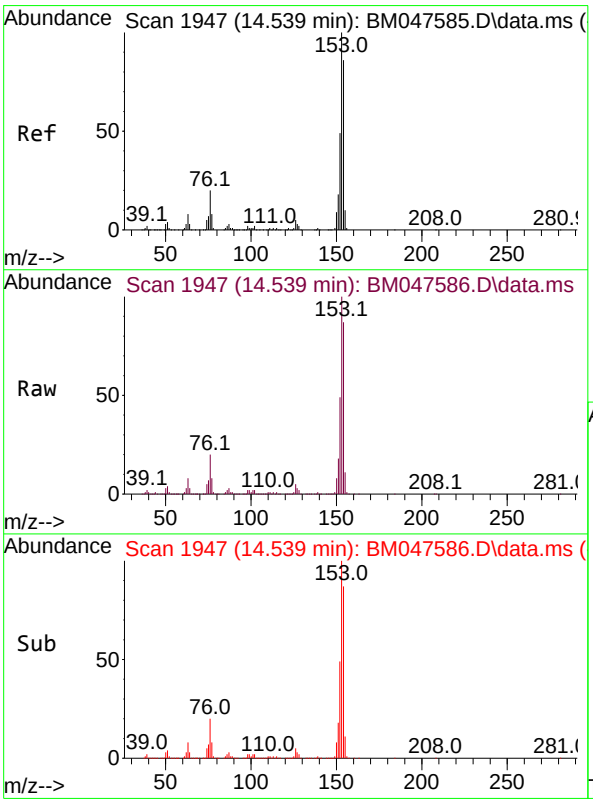
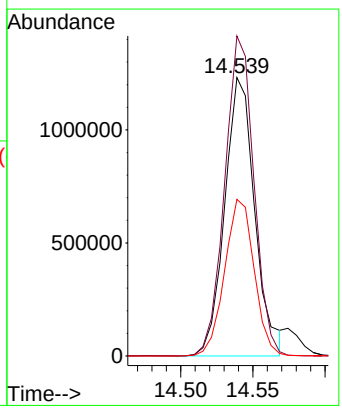


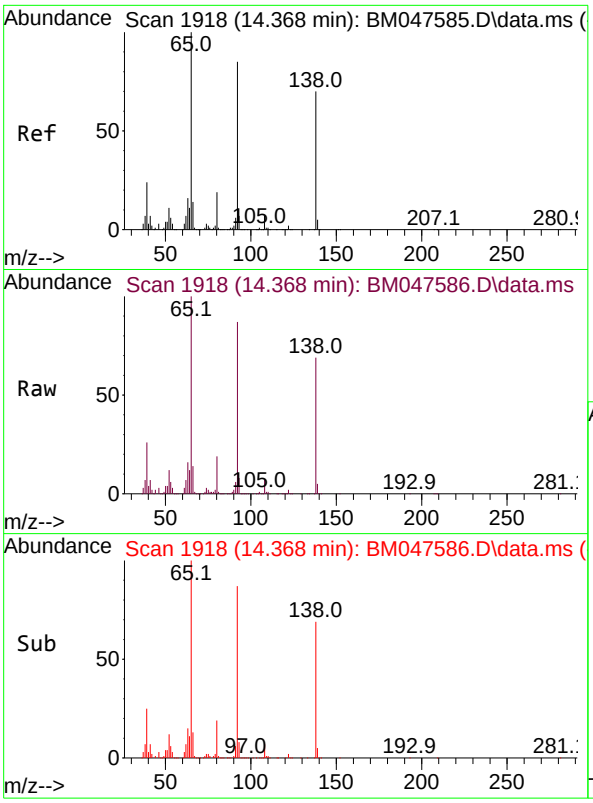


#52
Acenaphthene
Concen: 50.900 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:154 Resp: 1787917

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.8	139.2
152	56.3	45.7	68.5

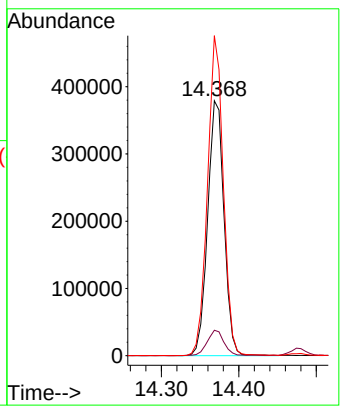




#53
3-Nitroaniline
Concen: 54.769 ng
RT: 14.368 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:138 Resp: 55547

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.3	12.5
92	125.5	97.0	145.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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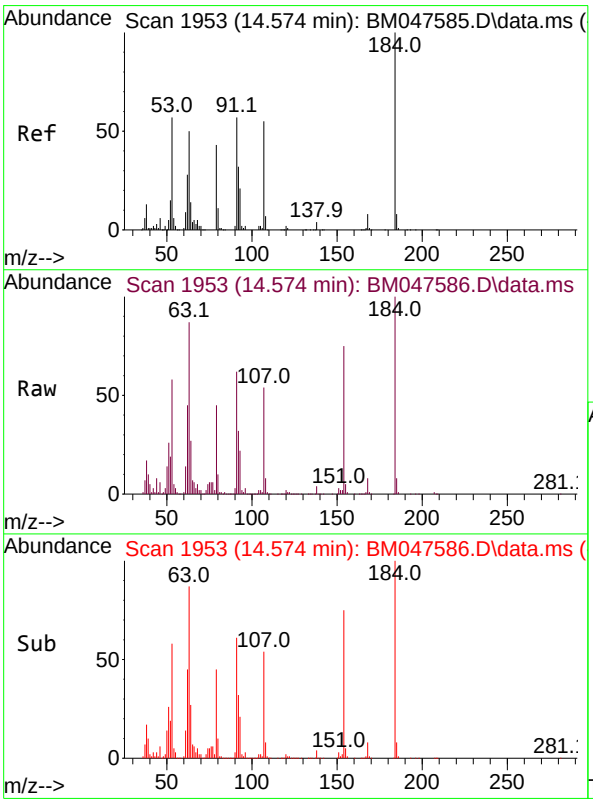
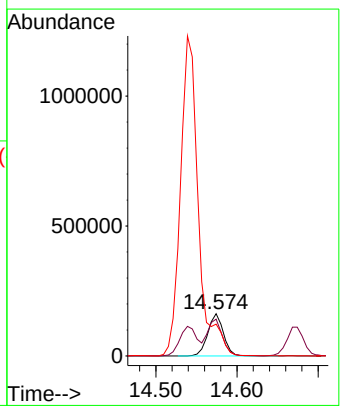
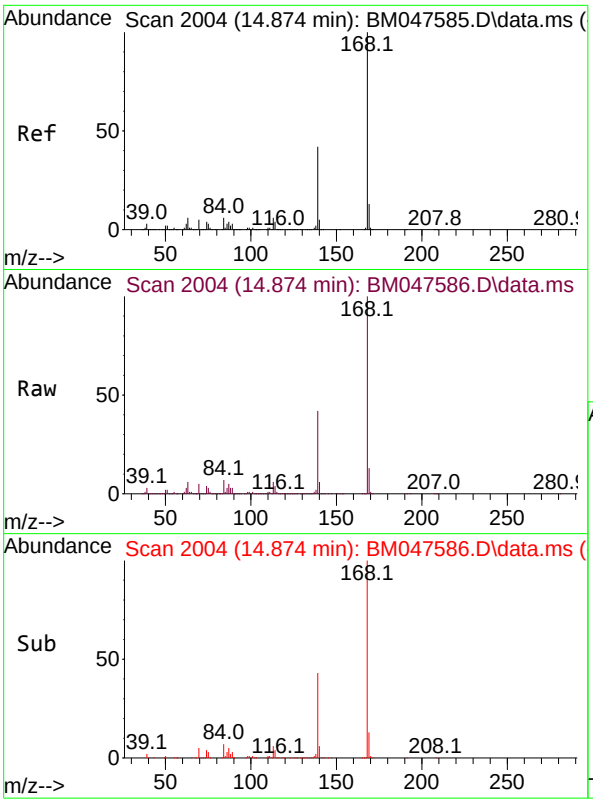


#54
2,4-Dinitrophenol
Concen: 54.025 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:184 Resp: 216574

Ion	Ratio	Lower	Upper
184	100		
63	87.2	69.0	103.6
154	75.3	59.7	89.5

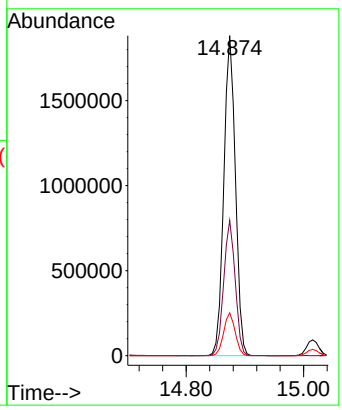




#55
Dibenzofuran
Concen: 50.157 ng
RT: 14.874 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:168 Resp: 257400(

Ion	Ratio	Lower	Upper
168	100		
139	42.3	33.4	50.2
169	13.4	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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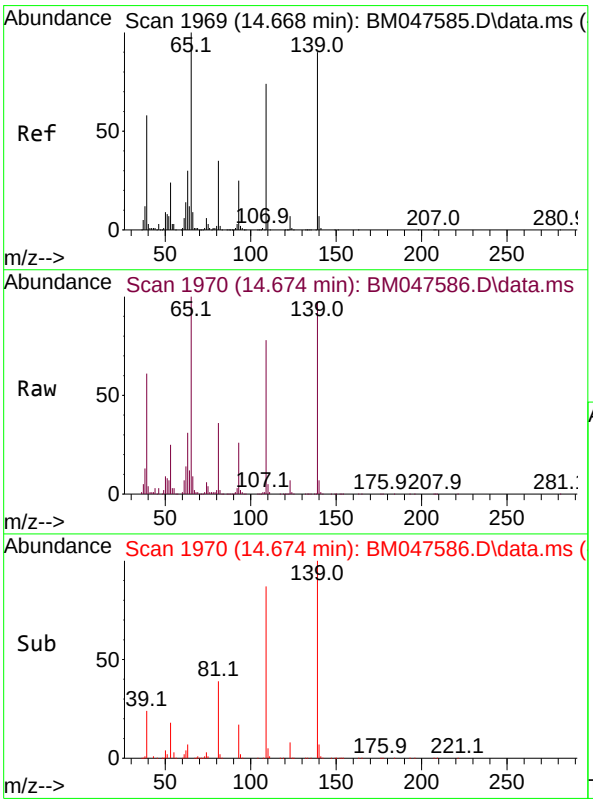
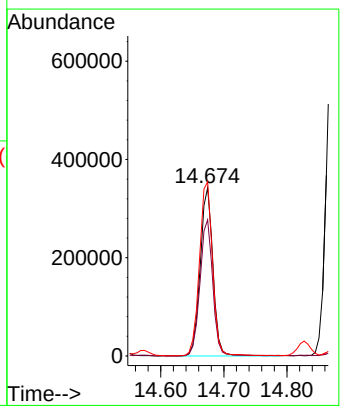
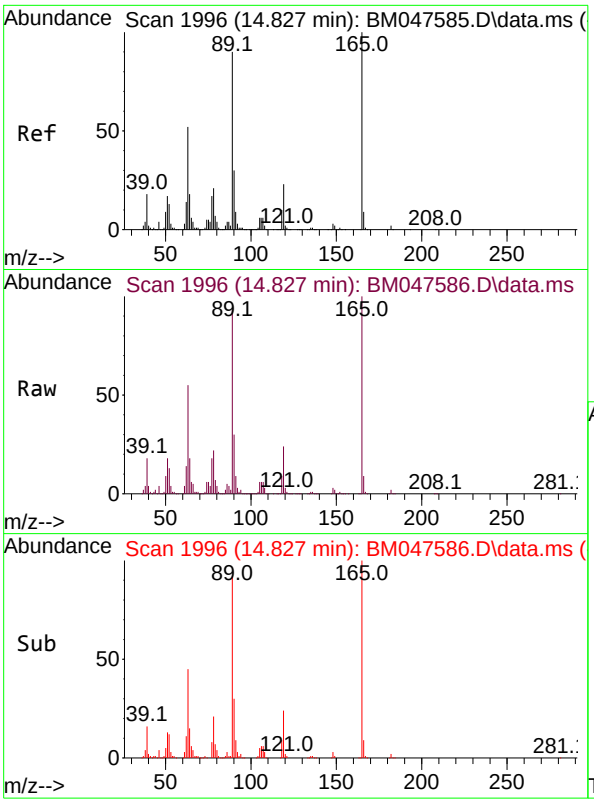


#56
4-Nitrophenol
Concen: 55.075 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:139 Resp: 478642

Ion	Ratio	Lower	Upper
139	100		
109	80.9	63.1	103.1
65	103.6	91.8	131.8

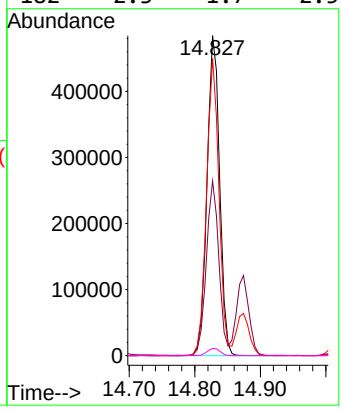




#57
2,4-Dinitrotoluene
Concen: 54.957 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:165 Resp: 64756

Ion	Ratio	Lower	Upper
165	100		
63	54.6	41.6	62.4
89	92.9	71.7	107.5
182	2.3	1.7	2.5



Instrument :
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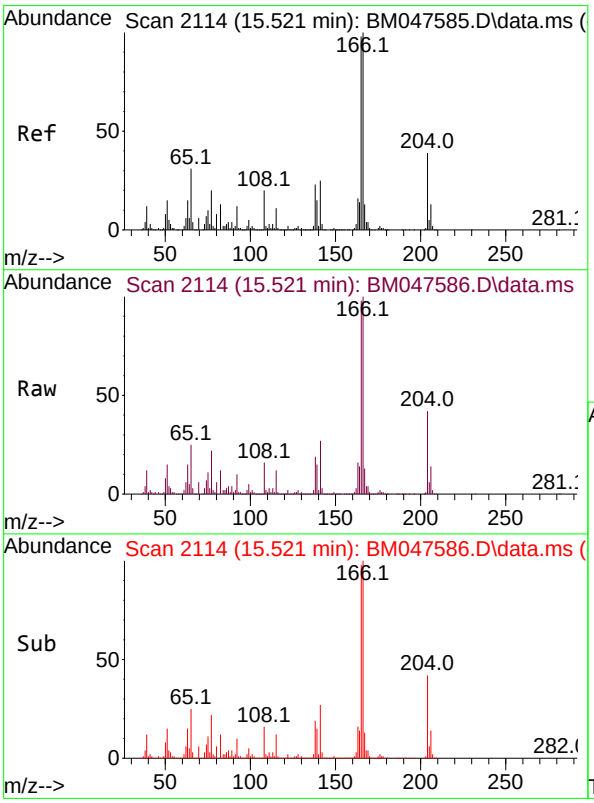
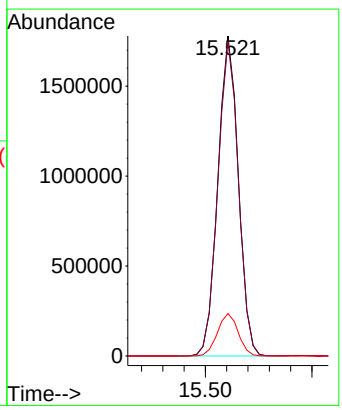
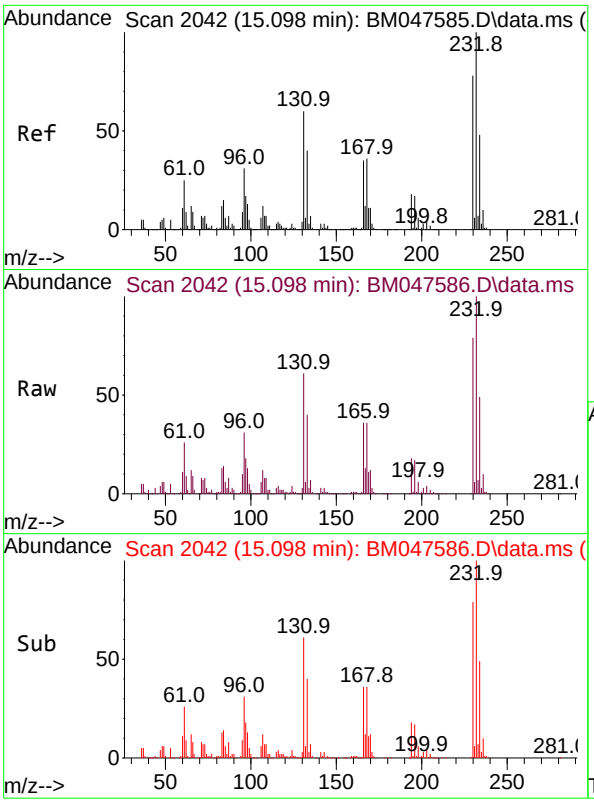


#58
Fluorene
Concen: 52.142 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:166 Resp: 2368284

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.4	117.6
167	13.3	10.5	15.7

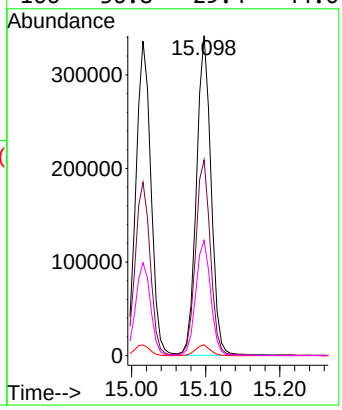




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.648 ng
RT: 15.098 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:232 Resp: 46525(

Ion	Ratio	Lower	Upper
232	100		
131	62.5	50.3	75.5
130	3.5	3.0	4.4
166	36.8	29.4	44.0



Instrument :
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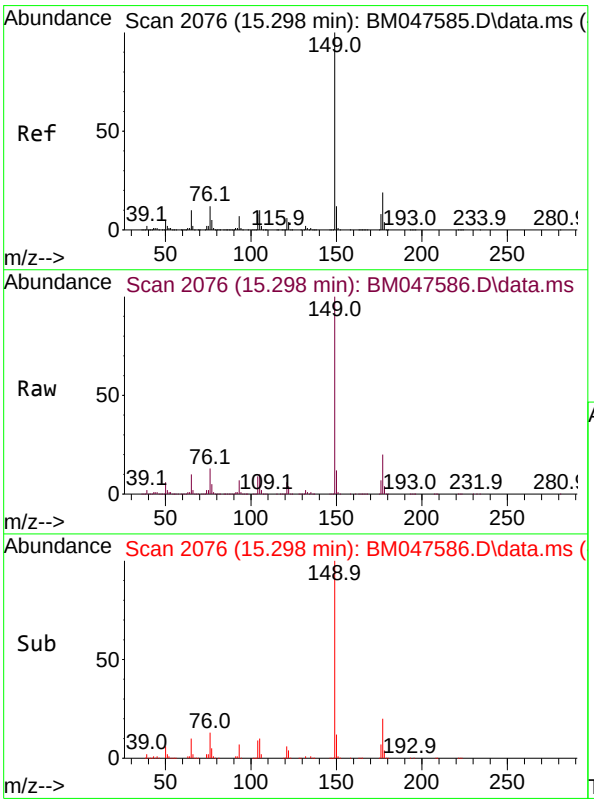
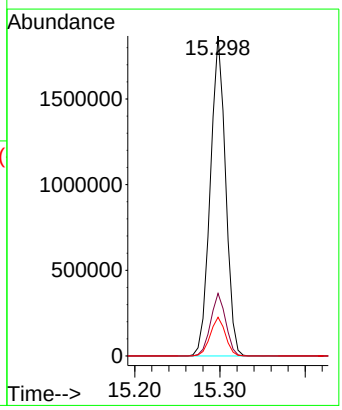
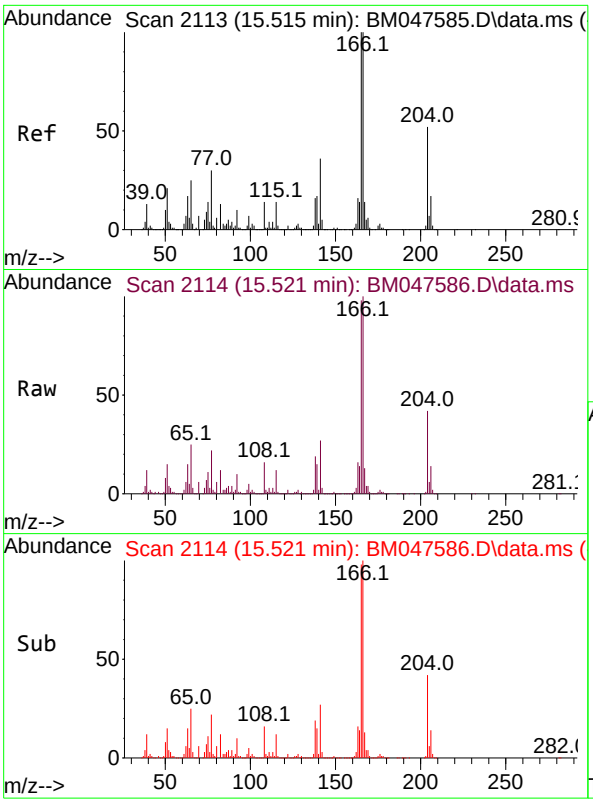


#60
Diethylphthalate
Concen: 51.564 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:149 Resp: 2320248

Ion	Ratio	Lower	Upper
149	100		
177	19.6	15.4	23.0
150	12.1	9.4	14.0





#61
4-Chlorophenyl-phenylether
Concen: 51.606 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:204 Resp: 102415

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.2
141	65.5	55.3	82.9

Instrument :
BNA_M
ClientSampleId :
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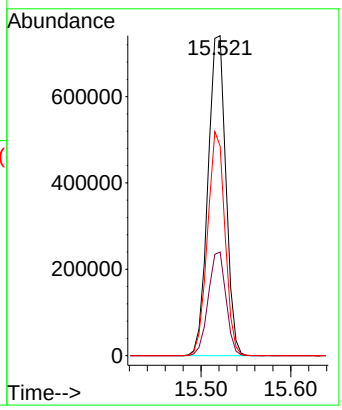
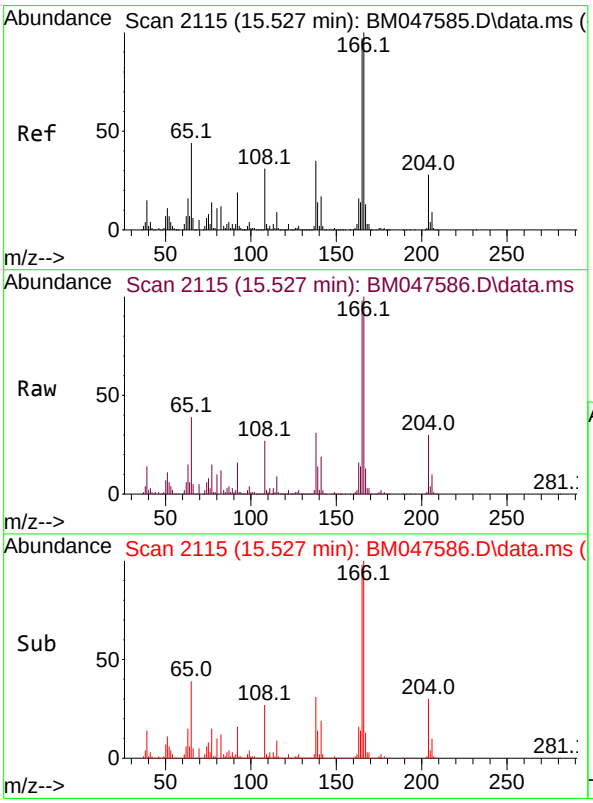
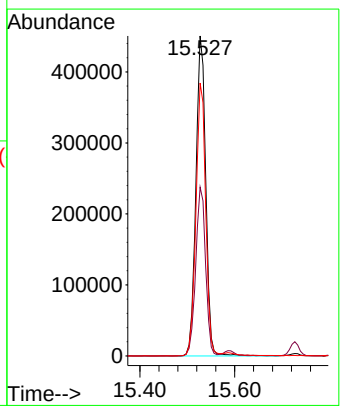


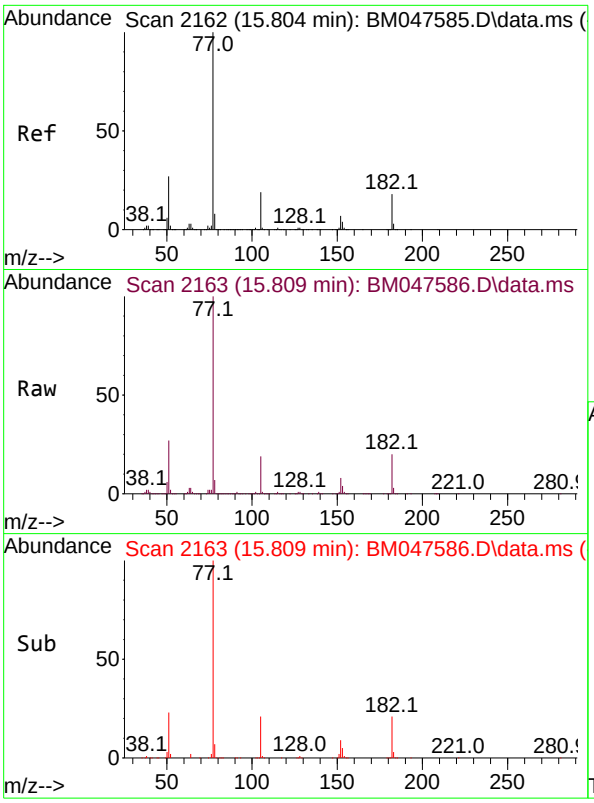


#62
4-Nitroaniline
Concen: 56.960 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:138 Resp: 650918

Ion	Ratio	Lower	Upper
138	100		
92	52.7	33.3	73.3
108	85.3	66.2	106.2

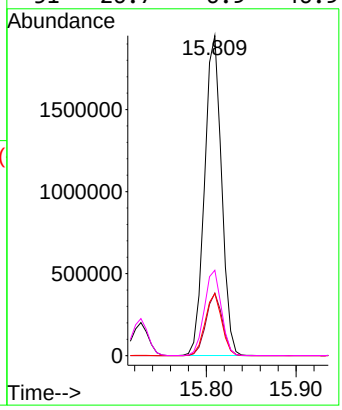




#63
Azobenzene
Concen: 51.979 ng
RT: 15.809 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion: 77 Resp: 255702

Ion	Ratio	Lower	Upper
77	100		
182	19.5	0.0	38.2
105	19.4	0.0	38.8
51	26.7	6.9	46.9



Instrument :
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ClientSampleId :
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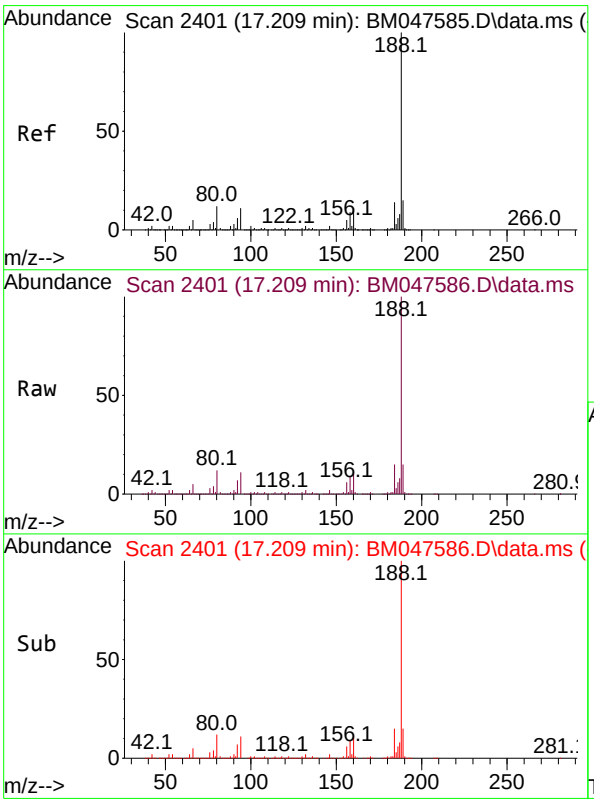
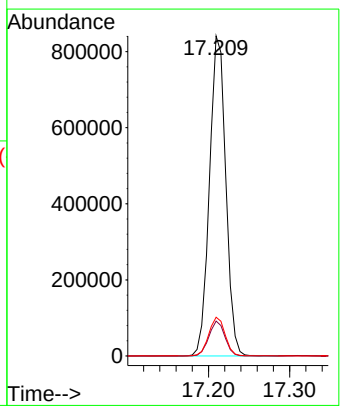
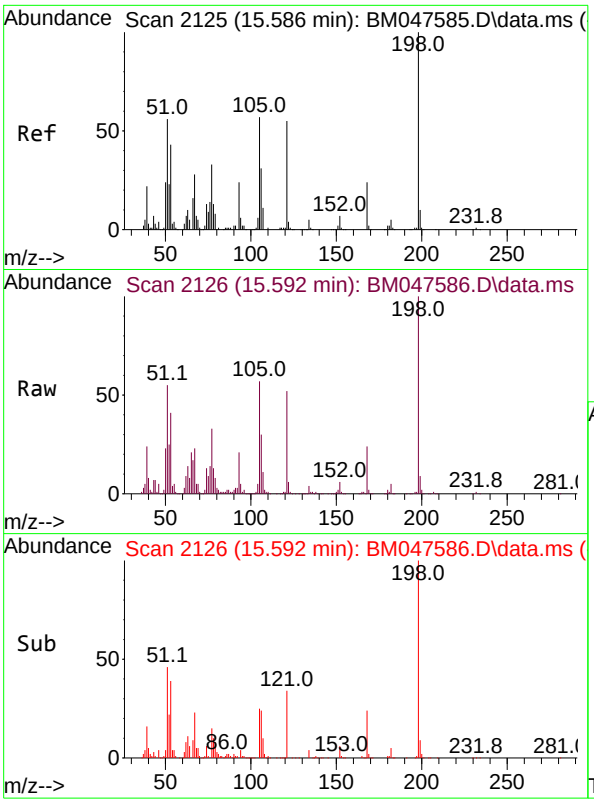


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:188 Resp: 1172407

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.9	14.9

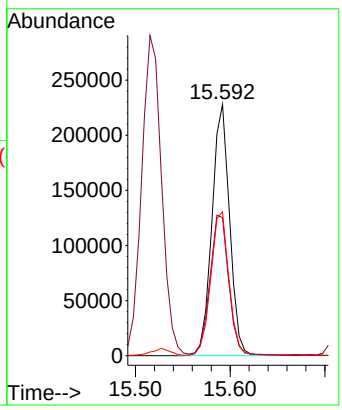




#65
4,6-Dinitro-2-methylphenol
Concen: 53.207 ng
RT: 15.592 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:198 Resp: 29558

Ion	Ratio	Lower	Upper
198	100		
51	54.9	38.2	78.2
105	57.2	38.0	78.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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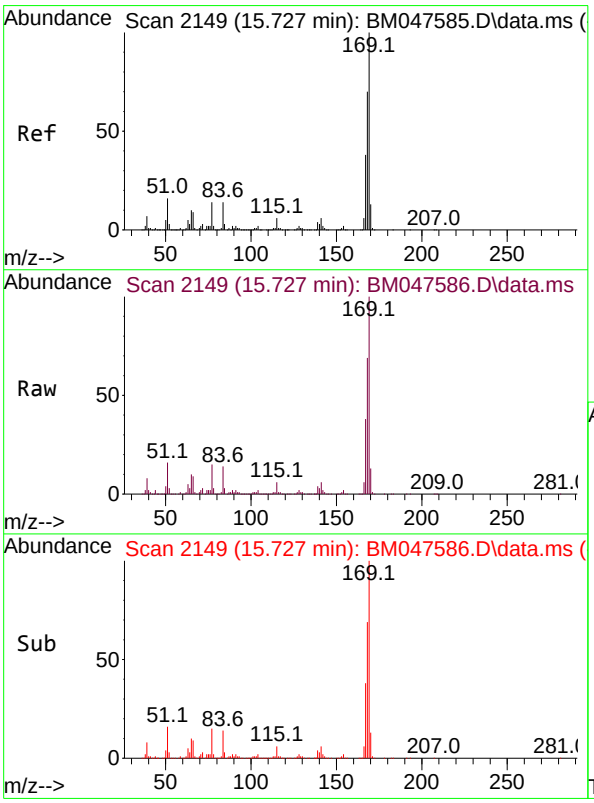
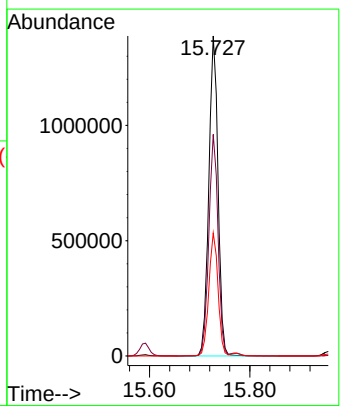
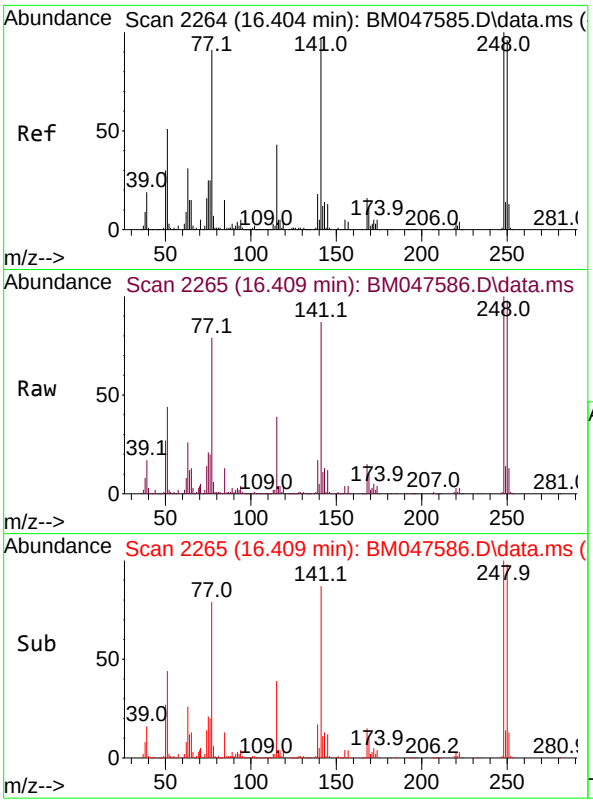


#66
n-Nitrosodiphenylamine
Concen: 50.588 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:169 Resp: 1771408

Ion	Ratio	Lower	Upper
169	100		
168	69.3	55.8	83.8
167	38.5	30.7	46.1





#67
4-Bromophenyl-phenylether
Concen: 50.066 ng
RT: 16.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:248 Resp: 53321

Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.7	115.1
141	87.0	76.7	115.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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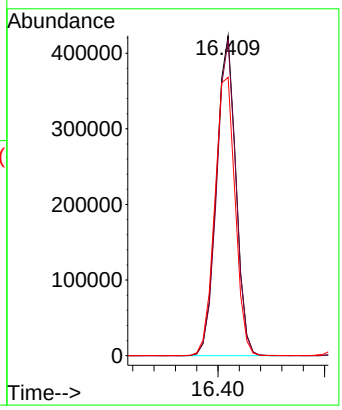
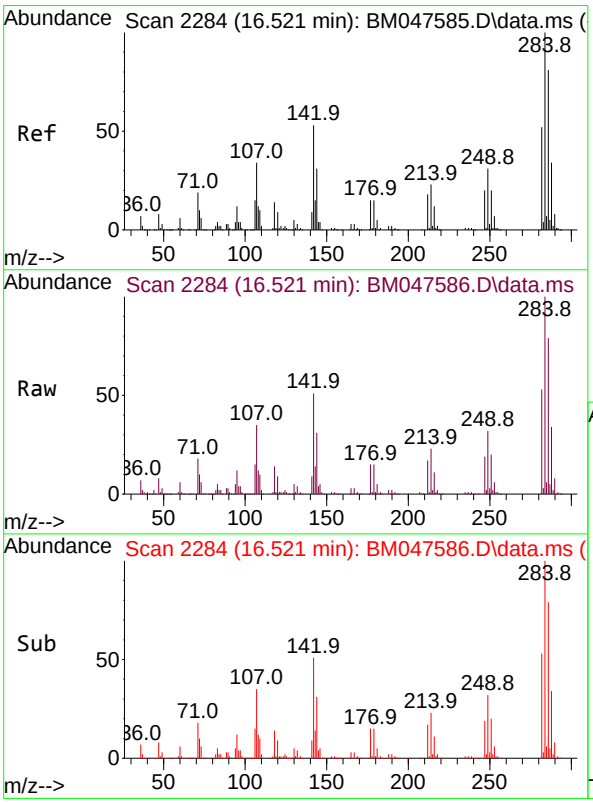
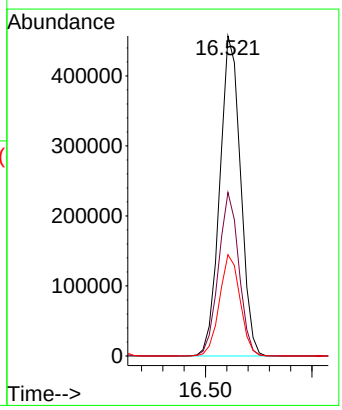


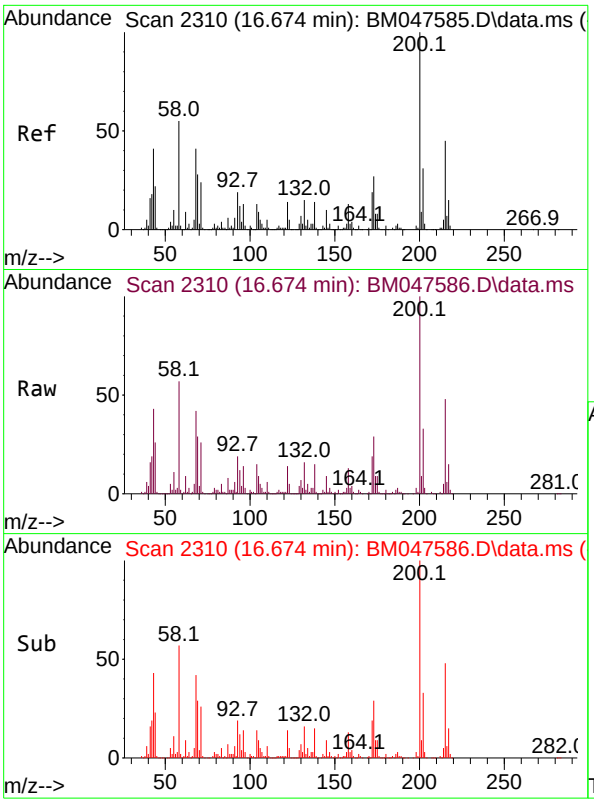


#68
Hexachlorobenzene
Concen: 49.587 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:284 Resp: 617382

Ion	Ratio	Lower	Upper
284	100		
142	51.1	42.5	63.7
249	31.6	25.0	37.6

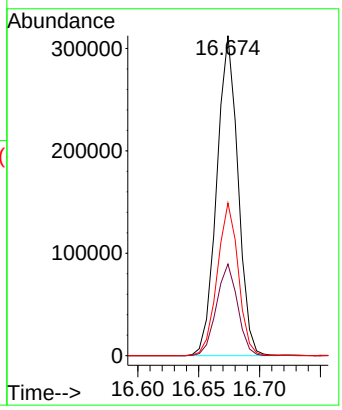




#69
Atrazine
Concen: 45.110 ng
RT: 16.674 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:200 Resp: 38027

Ion	Ratio	Lower	Upper
200	100		
173	28.7	7.4	47.4
215	47.7	24.5	64.5



Instrument :
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ClientSampleId :
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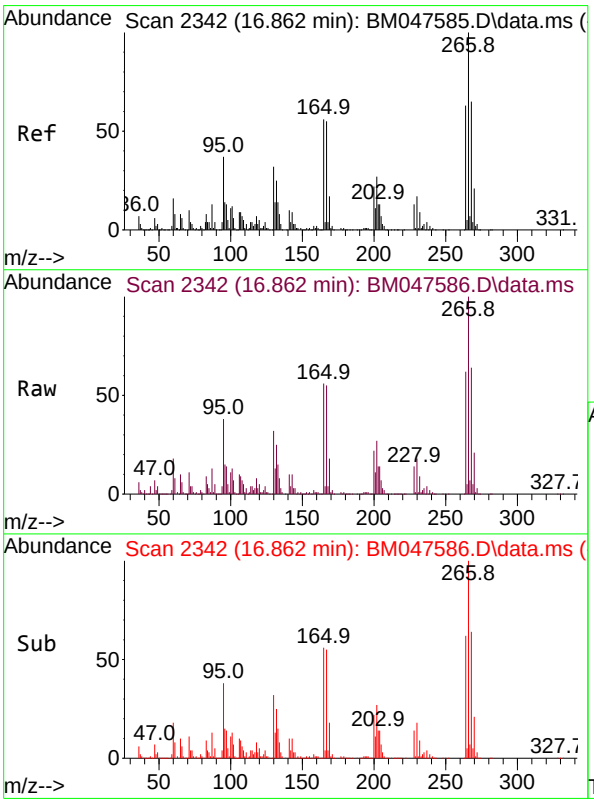
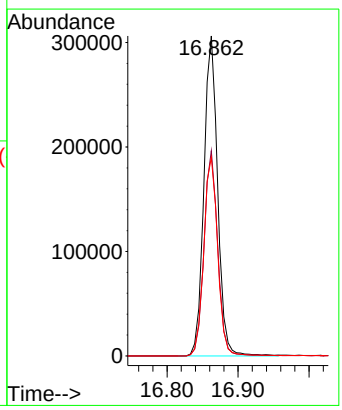
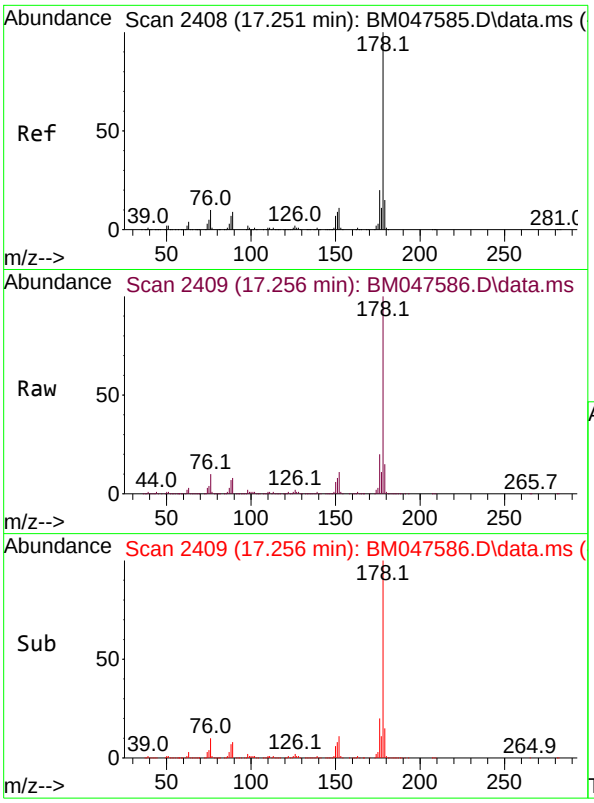


#70
Pentachlorophenol
Concen: 52.862 ng
RT: 16.862 min Scan# 2342
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:266 Resp: 413092

Ion	Ratio	Lower	Upper
266	100		
268	64.1	52.2	78.4
264	62.1	50.0	75.0

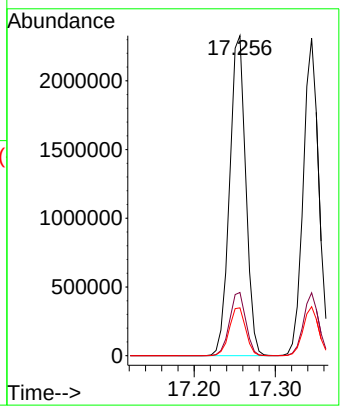




#71
Phenanthrene
Concen: 50.439 ng
RT: 17.256 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:178 Resp: 320995

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.0	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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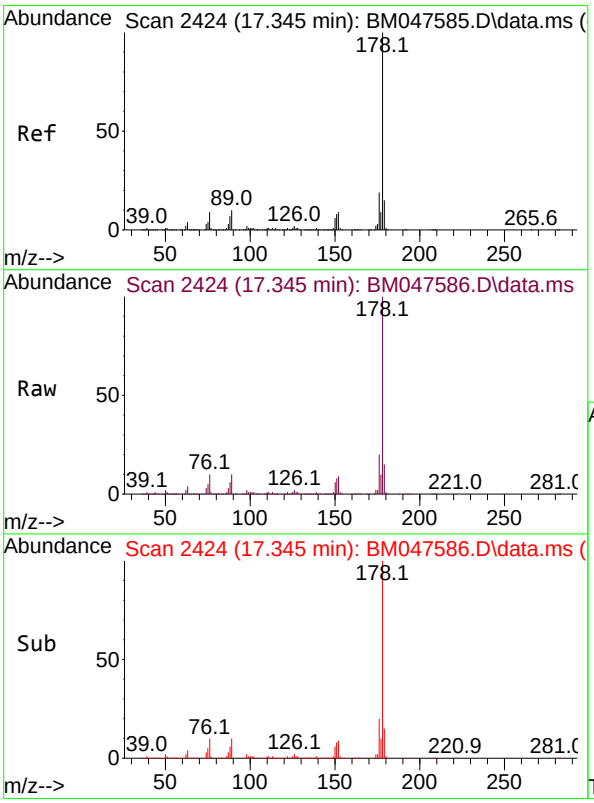
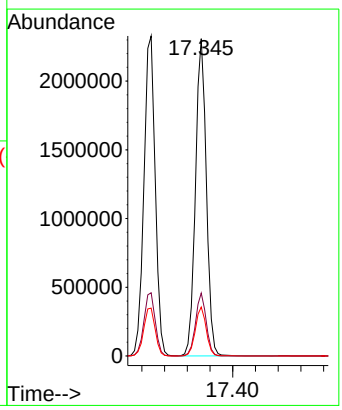
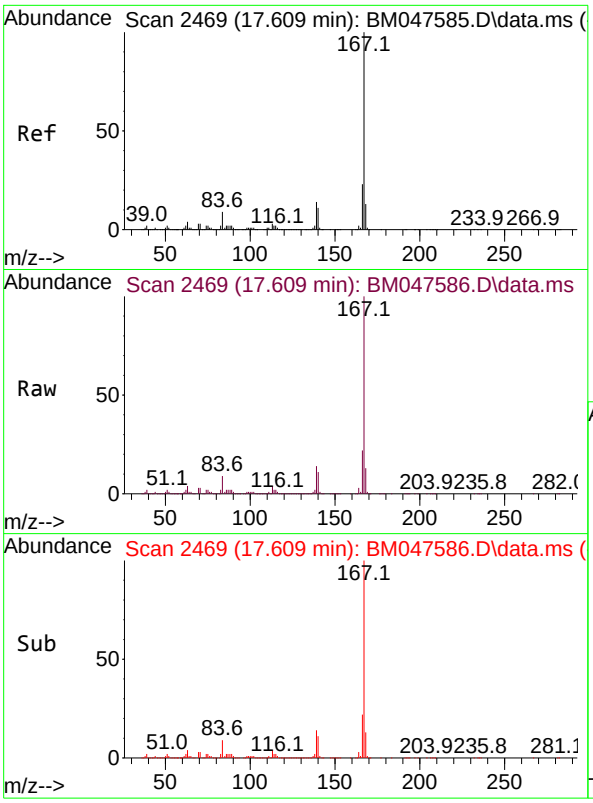


#72
Anthracene
Concen: 51.052 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:178 Resp: 3078214

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.4	12.2	18.2





#73
Carbazole
Concen: 51.117 ng
RT: 17.609 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:167 Resp: 321160

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	14.4	11.3	16.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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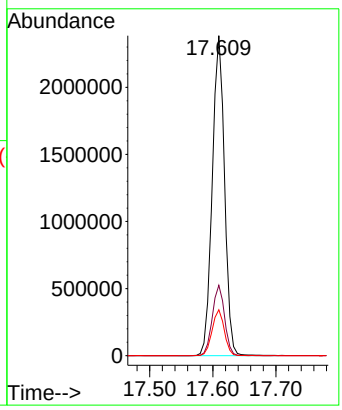
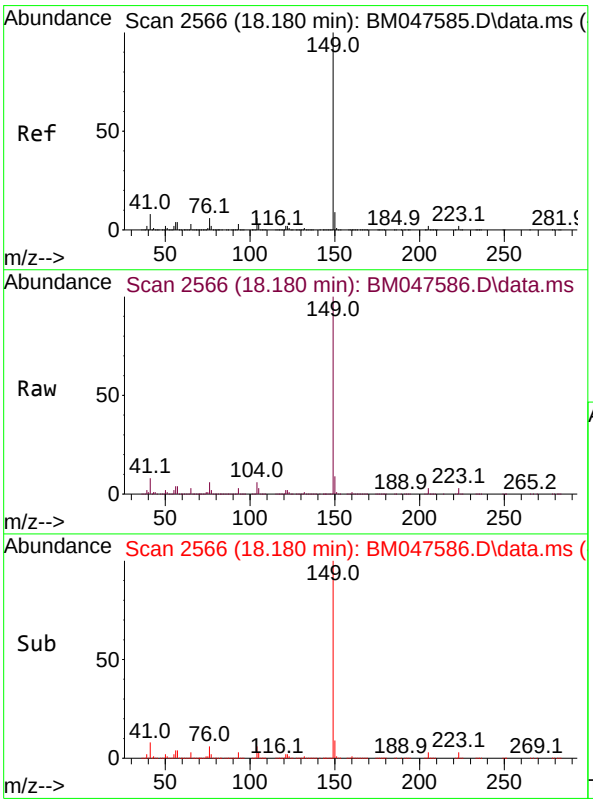
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

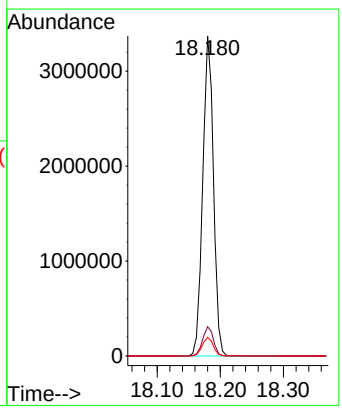


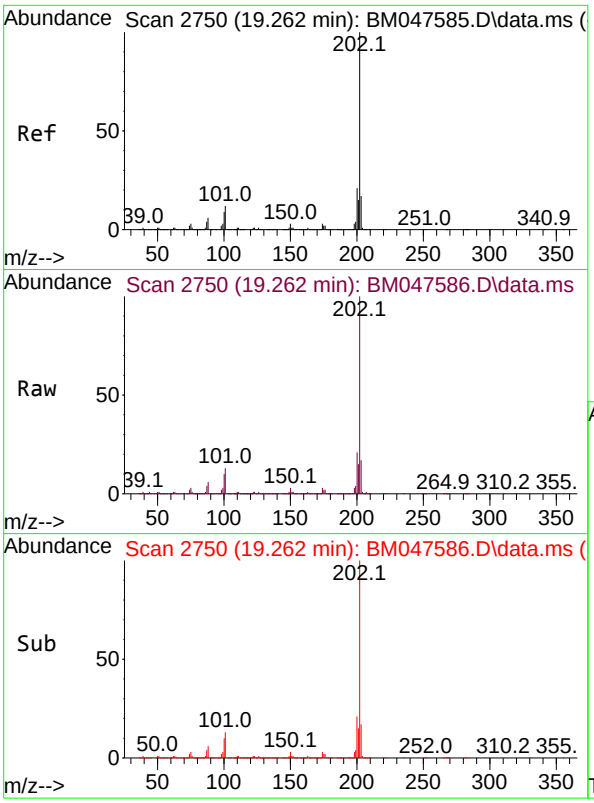


#74
Di-n-butylphthalate
Concen: 52.228 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:149 Resp: 3968901

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.8	4.7	7.1

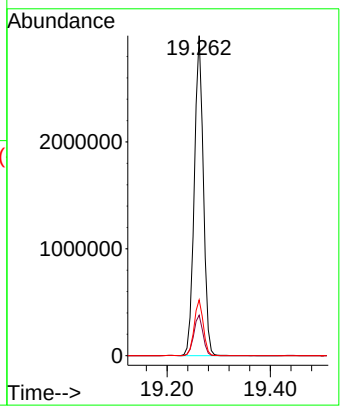




#75
Fluoranthene
Concen: 51.790 ng
RT: 19.262 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:202 Resp: 362811

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.2
203	17.5	0.0	37.4



Instrument :
BNA_M
ClientSampleId :
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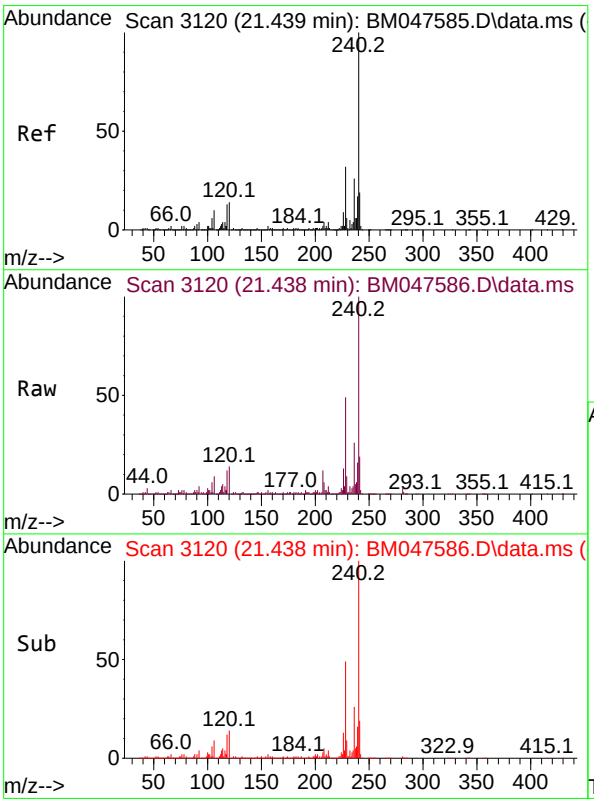
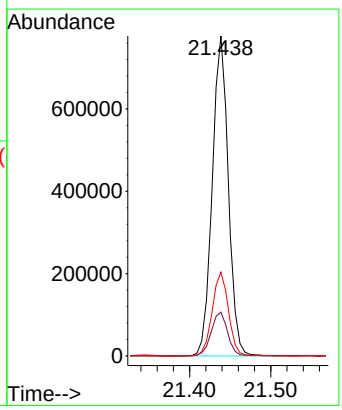
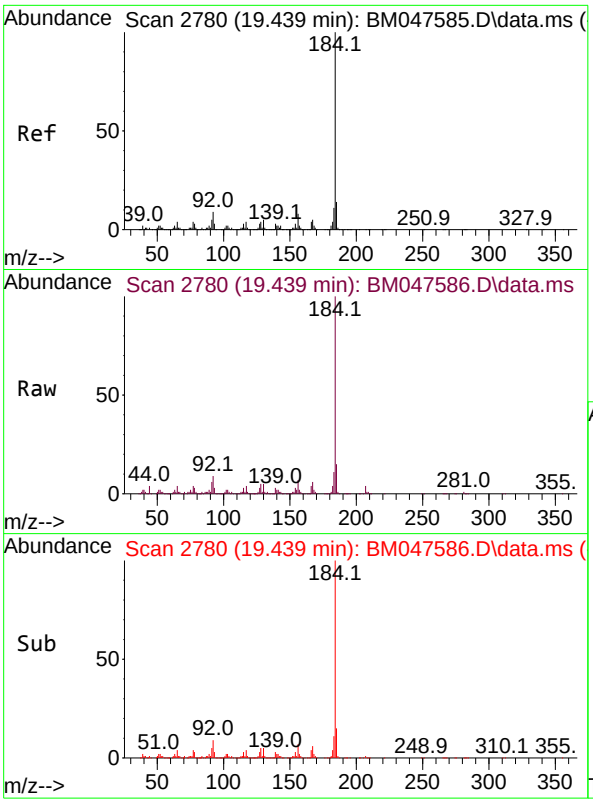


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.438 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:240 Resp: 1068698

Ion	Ratio	Lower	Upper
240	100		
120	13.7	10.8	16.2
236	26.2	20.8	31.2

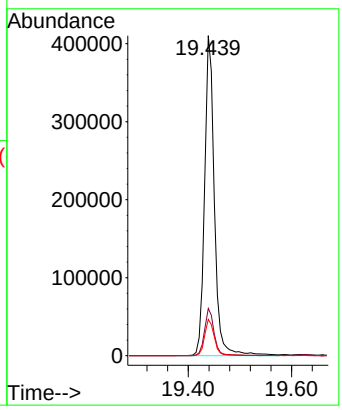




#77
Benzidine
Concen: 37.159 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:184 Resp: 540818

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.4	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
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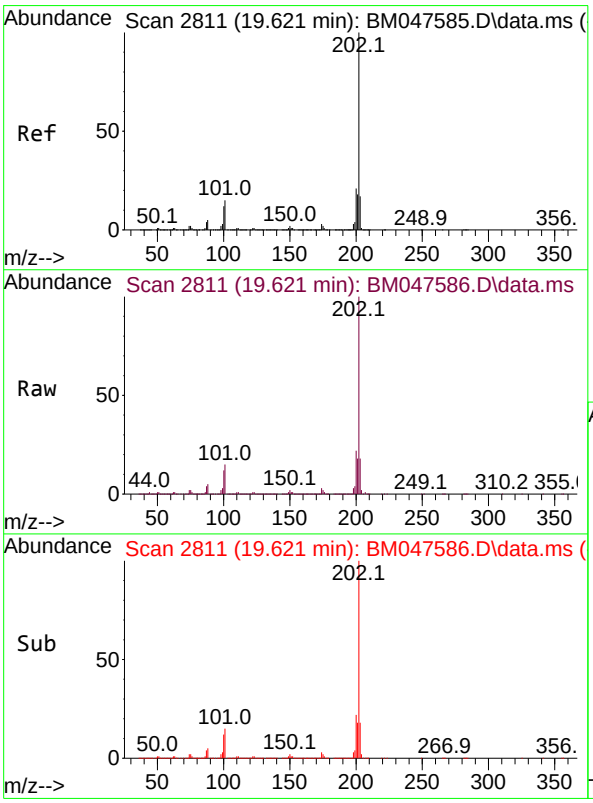
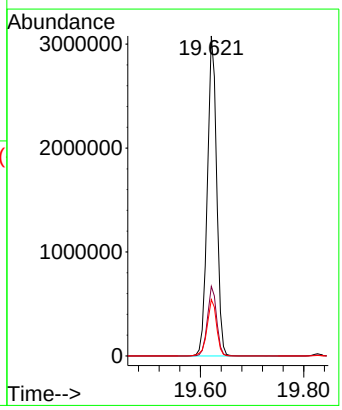
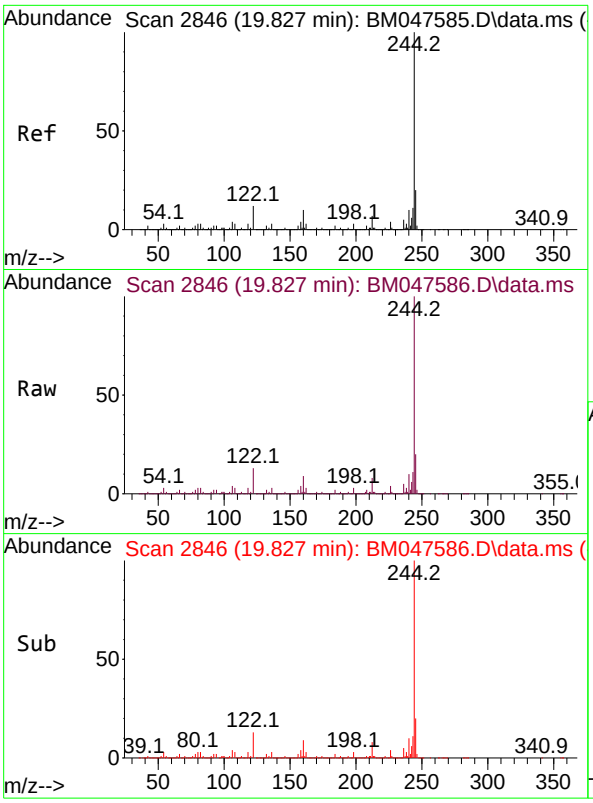


#78
Pyrene
Concen: 51.400 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:202 Resp: 3844686

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.6	13.8	20.8

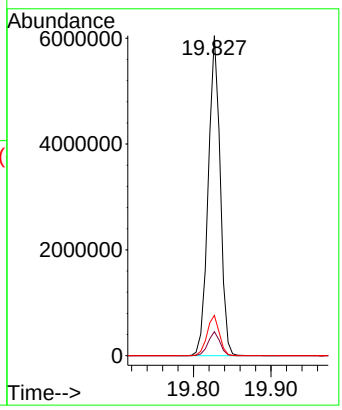




#79
Terphenyl-d14
Concen: 108.614 ng
RT: 19.827 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:244 Resp: 646924

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	12.6	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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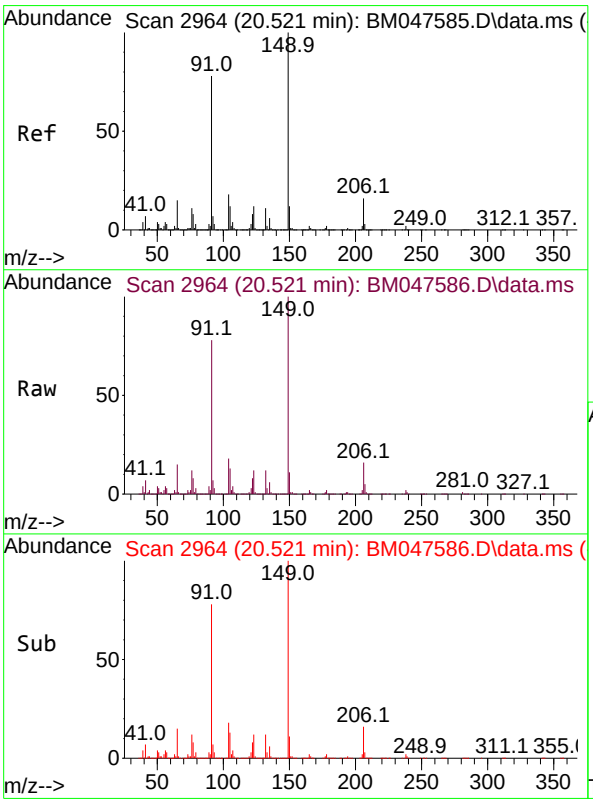
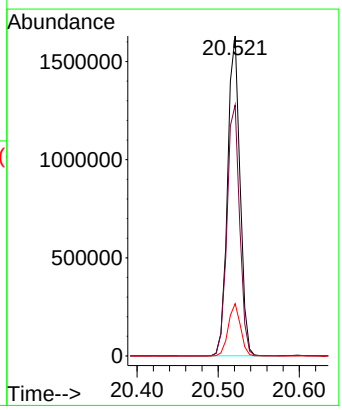
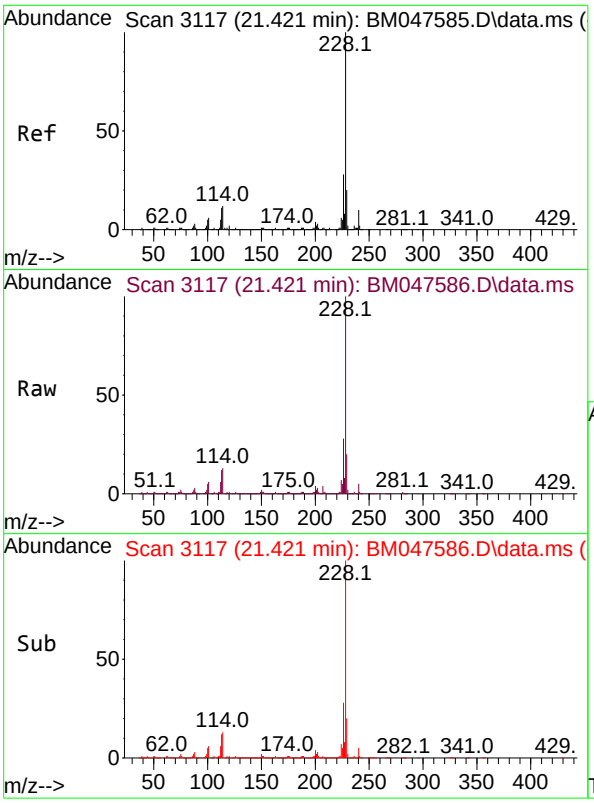


#80
Butylbenzylphthalate
Concen: 53.177 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:149 Resp: 1731602

Ion	Ratio	Lower	Upper
149	100		
91	78.5	62.3	93.5
206	16.4	13.0	19.6

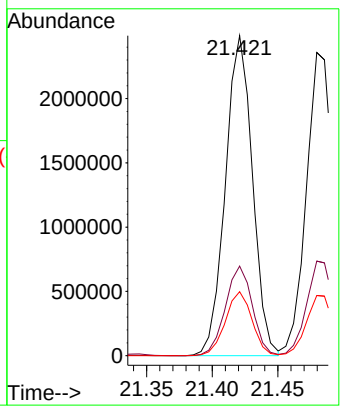




#81
Benzo(a)anthracene
Concen: 50.921 ng
RT: 21.421 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:228 Resp: 357824

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	20.0	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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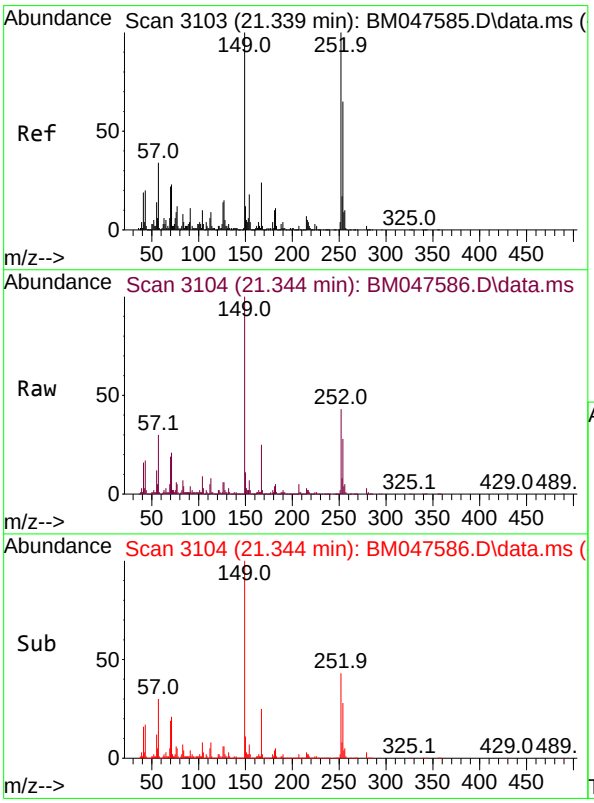
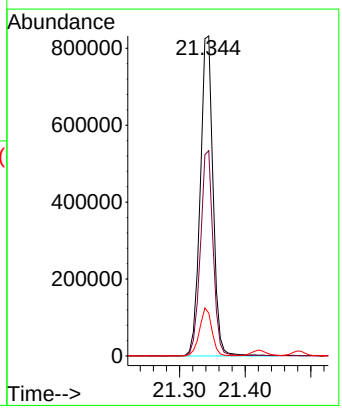
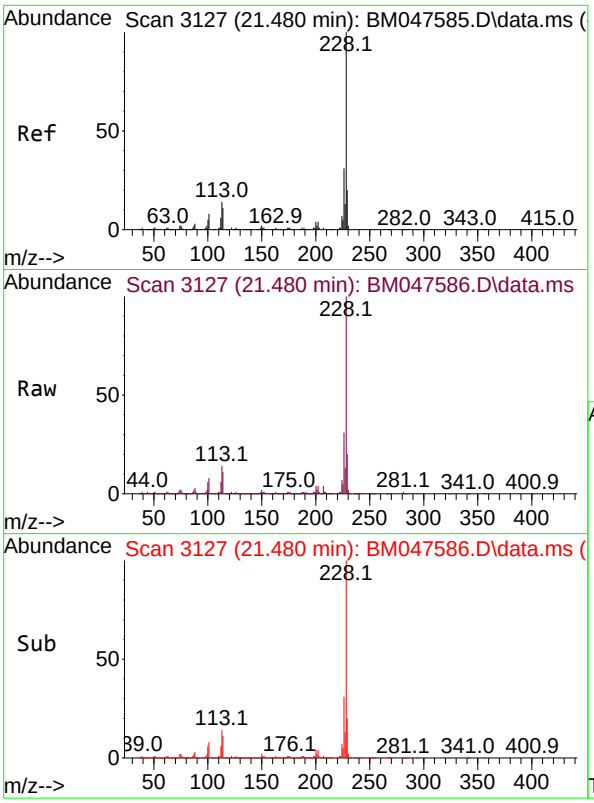


#82
3,3'-Dichlorobenzidine
Concen: 51.723 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:252 Resp: 1128735

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.3	78.5
126	13.4	11.4	17.0

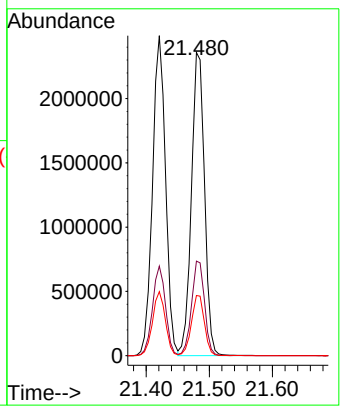




#83
Chrysene
Concen: 50.857 ng
RT: 21.480 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:228 Resp: 339865

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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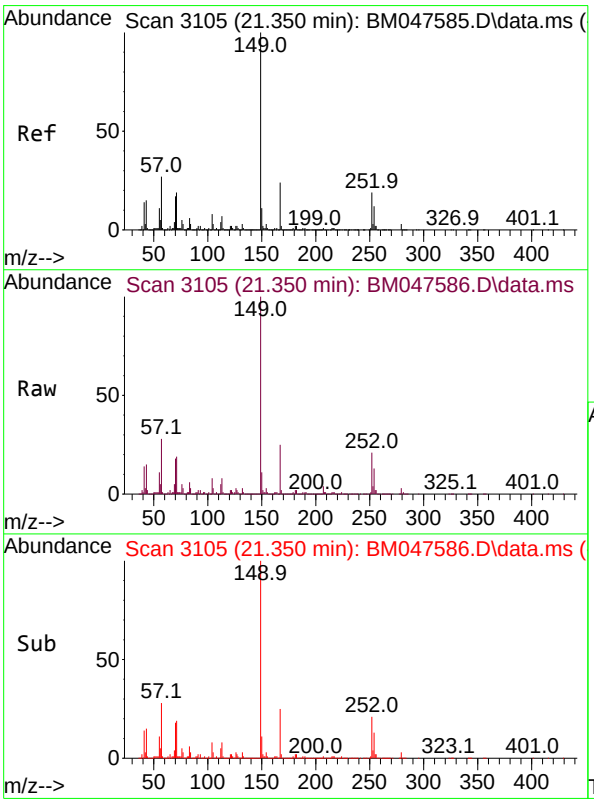
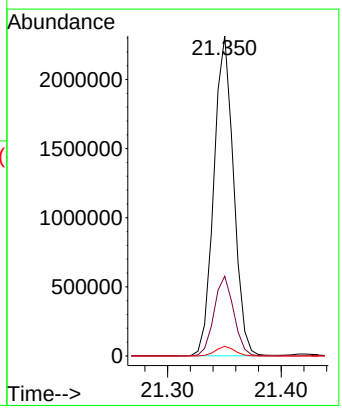
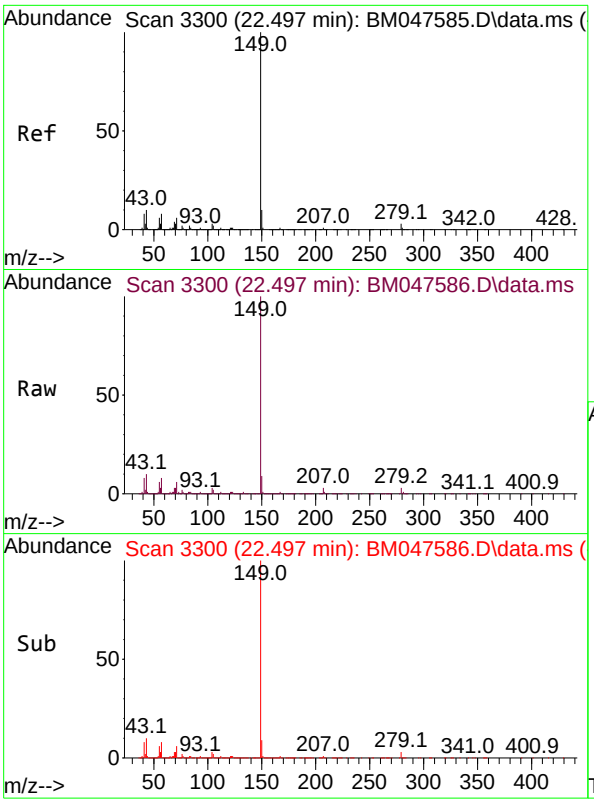


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.608 ng
RT: 21.350 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:149 Resp: 2792153

Ion	Ratio	Lower	Upper
149	100		
167	24.9	19.5	29.3
279	3.0	2.3	3.5





#85
Di-n-octyl phthalate
Concen: 52.830 ng
RT: 22.497 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:149 Resp: 424603

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.1	8.2	12.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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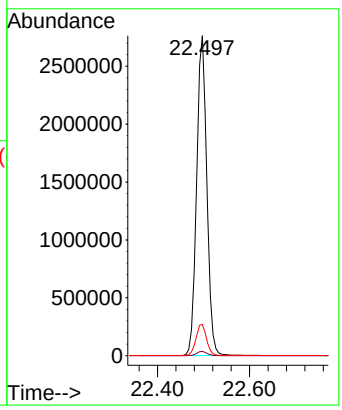
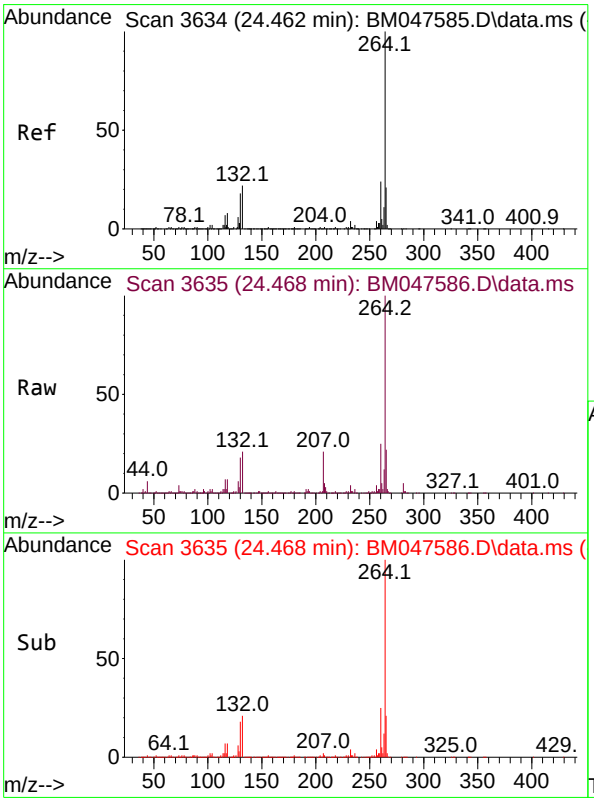
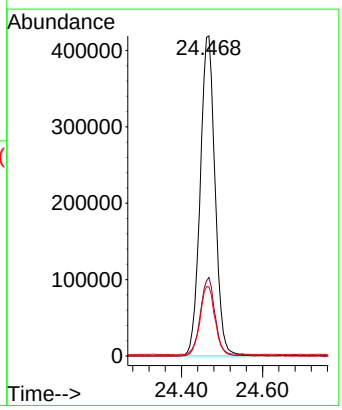


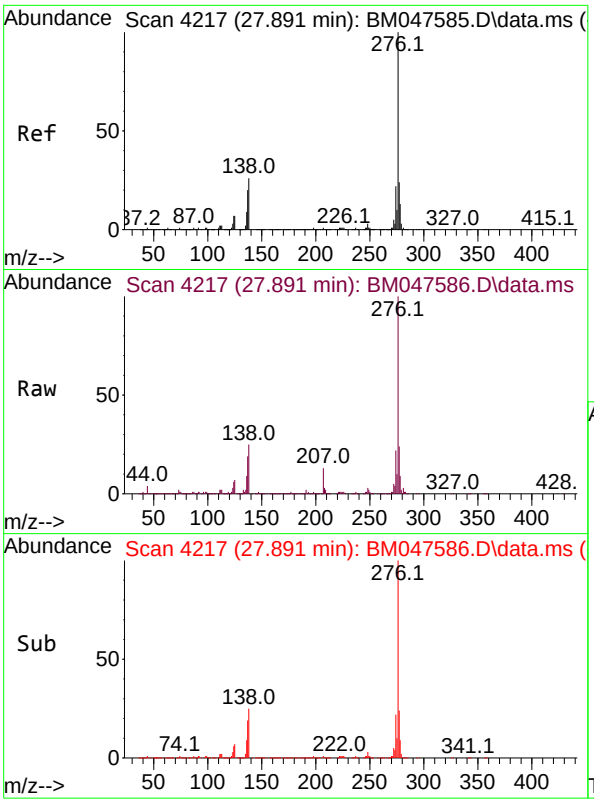


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:264 Resp: 1063033

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.9	28.3
265	21.6	17.0	25.6

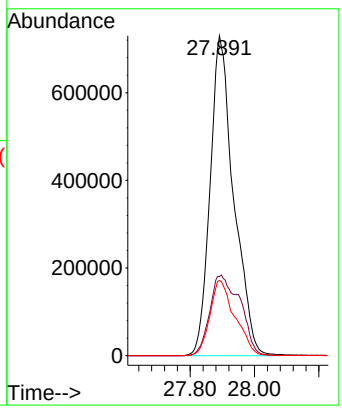




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.983 ng
RT: 27.891 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:276 Resp: 372682

Ion	Ratio	Lower	Upper
276	100		
138	32.4	18.1	27.1
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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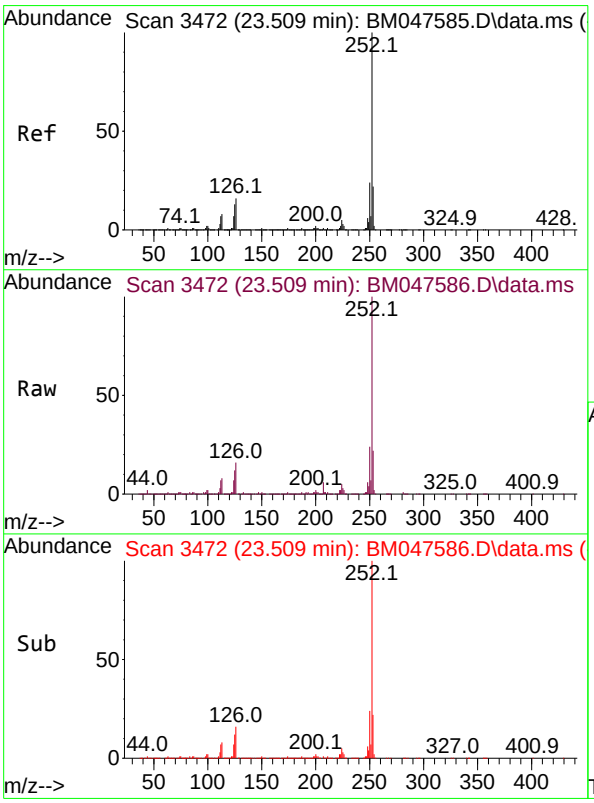
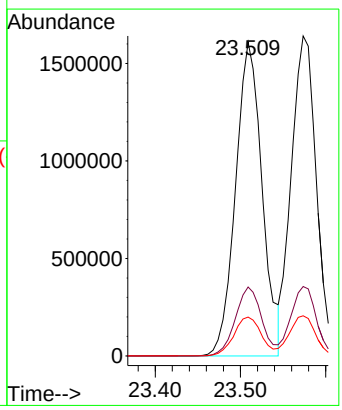
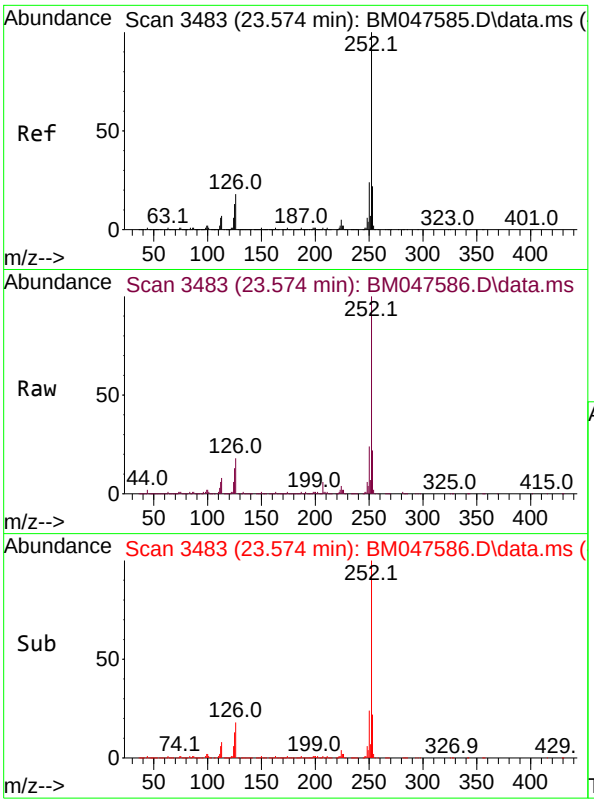


#88
Benzo(b)fluoranthene
Concen: 52.259 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:252 Resp: 3491548

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	12.4	10.2	15.2

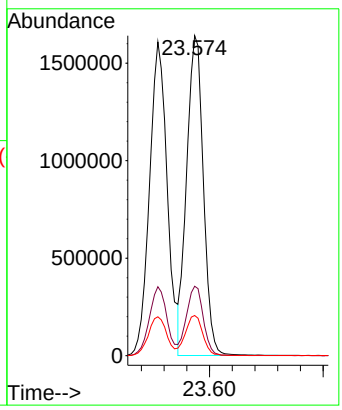




#89
Benzo(k)fluoranthene
Concen: 51.137 ng
RT: 23.574 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:252 Resp: 335385

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	12.5	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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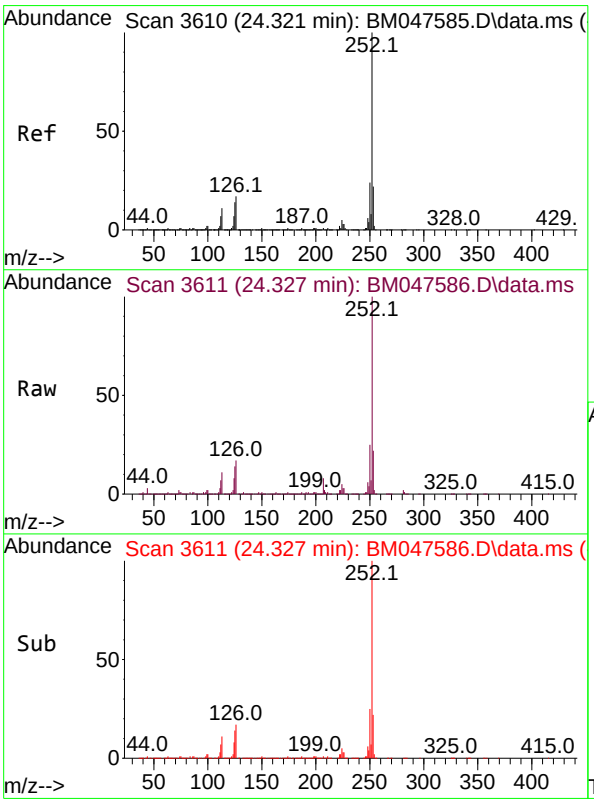
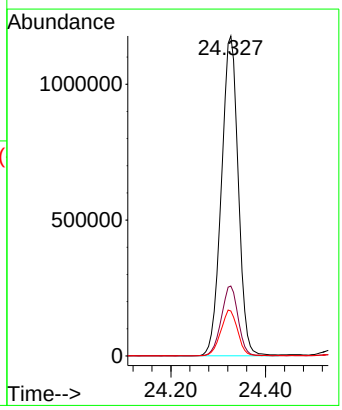
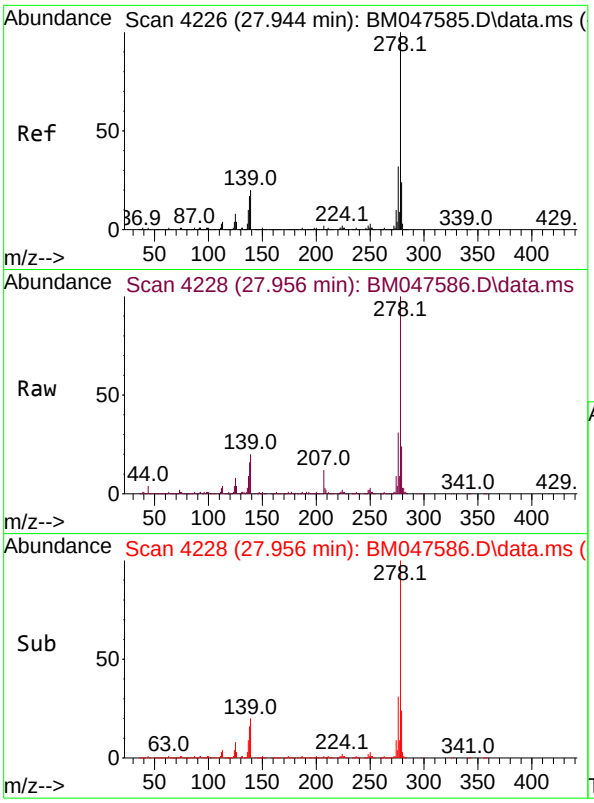


#90
Benzo(a)pyrene
Concen: 51.366 ng
RT: 24.327 min Scan# 3611
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:252 Resp: 2909678

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	14.1	11.5	17.3

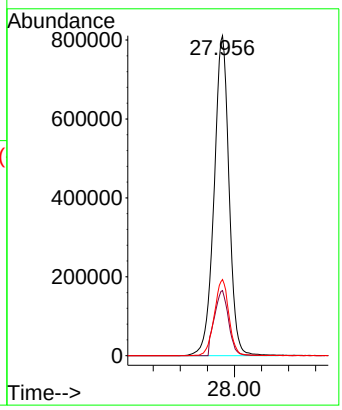




#91
Dibenzo(a,h)anthracene
Concen: 50.974 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:278 Resp: 311238

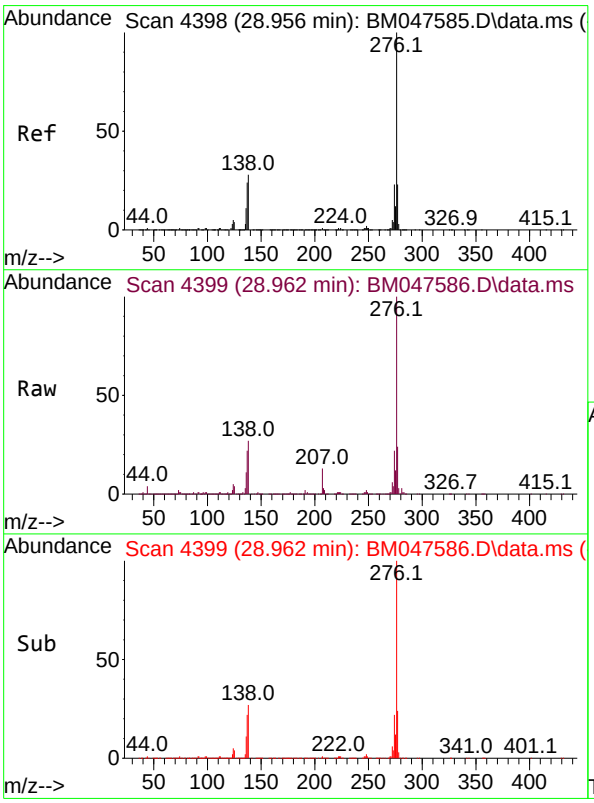
Ion	Ratio	Lower	Upper
278	100		
139	20.3	16.4	24.6
279	23.8	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

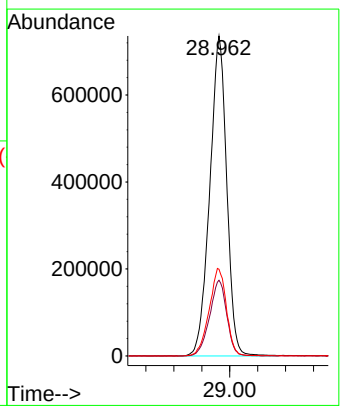
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92
Benzo(g,h,i)perylene
Concen: 50.541 ng
RT: 28.962 min Scan# 4399
Delta R.T. 0.006 min
Lab File: BM047586.D
Acq: 20 Sep 2024 12:58

Tgt Ion:276 Resp: 3092774

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.3	27.5
138	27.1	22.3	33.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047587.D
Acq On : 20 Sep 2024 13:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:23:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	286751	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1139831	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	617377	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1179348	20.000	ng		0.00
76) Chrysene-d12	21.439	240	1102922	20.000	ng		0.00
86) Perylene-d12	24.468	264	1067048	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	2308821	123.387	ng		0.00
7) Phenol-d6	7.010	99	3105396	125.951	ng		0.00
23) Nitrobenzene-d5	9.004	82	2887205	126.094	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	776715	135.867	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	5509057	126.262	ng		0.00
79) Terphenyl-d14	19.827	244	8197722	133.363	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	475202	58.326	ng		99
3) Pyridine	3.716	79	1371599m	60.694	ng		
4) n-Nitrosodimethylamine	3.622	42	583367	62.294	ng		98
6) Aniline	7.175	93	1281442	60.669	ng		100
8) 2-Chlorophenol	7.410	128	1199182	61.216	ng		100
9) Benzaldehyde	6.981	77	670022	53.189	ng		97
10) Phenol	7.034	94	1525808	62.325	ng		98
11) bis(2-Chloroethyl)ether	7.269	93	1189738	60.464	ng		99
12) 1,3-Dichlorobenzene	7.739	146	1297041	59.872	ng		99
13) 1,4-Dichlorobenzene	7.881	146	1319393	60.191	ng		99
14) 1,2-Dichlorobenzene	8.198	146	1269742	60.095	ng		98
15) Benzyl Alcohol	8.081	79	1014679	63.785	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.381	45	1498037	59.728	ng		99
17) 2-Methylphenol	8.286	107	953333	61.959	ng		98
18) Hexachloroethane	8.933	117	531089	59.746	ng		99
19) n-Nitroso-di-n-propyla...	8.657	70	965969	63.961	ng		99
20) 3+4-Methylphenols	8.610	107	1312452	62.625	ng		97
22) Acetophenone	8.663	105	1831756	61.683	ng	#	99
24) Nitrobenzene	9.045	77	1460609	61.760	ng		99
25) Isophorone	9.575	82	2416809	63.159	ng		99
26) 2-Nitrophenol	9.751	139	556052	66.872	ng		98
27) 2,4-Dimethylphenol	9.816	122	739600	62.400	ng		100
28) bis(2-Chloroethoxy)met...	10.051	93	1508990	61.299	ng		100
29) 2,4-Dichlorophenol	10.286	162	954382	63.696	ng		99
30) 1,2,4-Trichlorobenzene	10.504	180	1051667	61.581	ng		98
31) Naphthalene	10.692	128	3713976	61.588	ng		100
32) Benzoic acid	9.951	122	769278	69.539	ng		97
33) 4-Chloroaniline	10.798	127	1332287	62.665	ng		99
34) Hexachlorobutadiene	10.986	225	561458	60.413	ng		98
35) Caprolactam	11.574	113	351670	67.902	ng		99
36) 4-Chloro-3-methylphenol	11.922	107	1109262	64.886	ng		100
37) 2-Methylnaphthalene	12.304	142	2387952	63.029	ng		99
38) 1-Methylnaphthalene	12.521	142	2370809	63.079	ng		98
40) 1,2,4,5-Tetrachloroben...	12.669	216	1005130	61.694	ng		100
41) Hexachlorocyclopentadiene	12.657	237	334753	62.234	ng		99
43) 2,4,6-Trichlorophenol	12.910	196	685731	64.762	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047587.D
Acq On : 20 Sep 2024 13:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:23:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	766503	64.402	ng		98
46) 1,1'-Biphenyl	13.316	154	2958896	62.059	ng		99
47) 2-Chloronaphthalene	13.351	162	2309130	61.896	ng		100
48) 2-Nitroaniline	13.551	65	768657	68.985	ng		97
49) Acenaphthylene	14.198	152	3405400	63.431	ng		100
50) Dimethylphthalate	13.933	163	2675369	62.762	ng		100
51) 2,6-Dinitrotoluene	14.045	165	595925	66.726	ng		96
52) Acenaphthene	14.545	154	2251023m	63.453	ng		
53) 3-Nitroaniline	14.374	138	695127	67.863	ng		98
54) 2,4-Dinitrophenol	14.574	184	284832	70.352	ng		99
55) Dibenzofuran	14.874	168	3231229	62.343	ng		99
56) 4-Nitrophenol	14.674	139	609575	69.450	ng		95
57) 2,4-Dinitrotoluene	14.833	165	822060	69.078	ng		97
58) Fluorene	15.521	166	3017679	65.786	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	588139	64.646	ng		100
60) Diethylphthalate	15.298	149	2891852	63.634	ng		99
61) 4-Chlorophenyl-phenyle...	15.515	204	1314751	65.596	ng		99
62) 4-Nitroaniline	15.533	138	826172	71.584	ng		99
63) Azobenzene	15.810	77	3214361	64.698	ng		99
65) 4,6-Dinitro-2-methylph...	15.592	198	382127	68.380	ng		98
66) n-Nitrosodiphenylamine	15.727	169	2228886	63.278	ng		99
67) 4-Bromophenyl-phenylether	16.409	248	682683	63.723	ng		95
68) Hexachlorobenzene	16.527	284	786779	62.820	ng		93
69) Atrazine	16.674	200	460998	54.364	ng		98
70) Pentachlorophenol	16.862	266	526184	66.938	ng		98
71) Phenanthrene	17.256	178	4066570	63.524	ng		100
72) Anthracene	17.345	178	3926798	64.742	ng		99
73) Carbazole	17.609	167	4079897	64.555	ng		99
74) Di-n-butylphthalate	18.180	149	5058681	66.176	ng		100
75) Fluoranthene	19.262	202	4712284	66.870	ng		100
77) Benzidine	19.439	184	341512	22.737	ng		98
78) Pyrene	19.621	202	4968977	64.369	ng		99
80) Butylbenzylphthalate	20.521	149	2249743	66.945	ng		100
81) Benzo(a)anthracene	21.421	228	4596027	63.375	ng		100
82) 3,3'-Dichlorobenzidine	21.344	252	1393936	61.894	ng		99
83) Chrysene	21.486	228	4369923	63.362	ng		100
84) Bis(2-ethylhexyl)phtha...	21.350	149	3586811	66.729	ng		98
85) Di-n-octyl phthalate	22.497	149	5561505	67.050	ng		100
87) Indeno(1,2,3-cd)pyrene	27.897	276	4740978	64.613	ng	#	90
88) Benzo(b)fluoranthene	23.515	252	4425659	65.991	ng		99
89) Benzo(k)fluoranthene	23.580	252	4361434	66.249	ng		99
90) Benzo(a)pyrene	24.327	252	3754343	66.028	ng		99
91) Dibenzo(a,h)anthracene	27.962	278	3995785	65.195	ng		99
92) Benzo(g,h,i)perylene	28.967	276	3898894	63.475	ng		99

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

ICAL Form

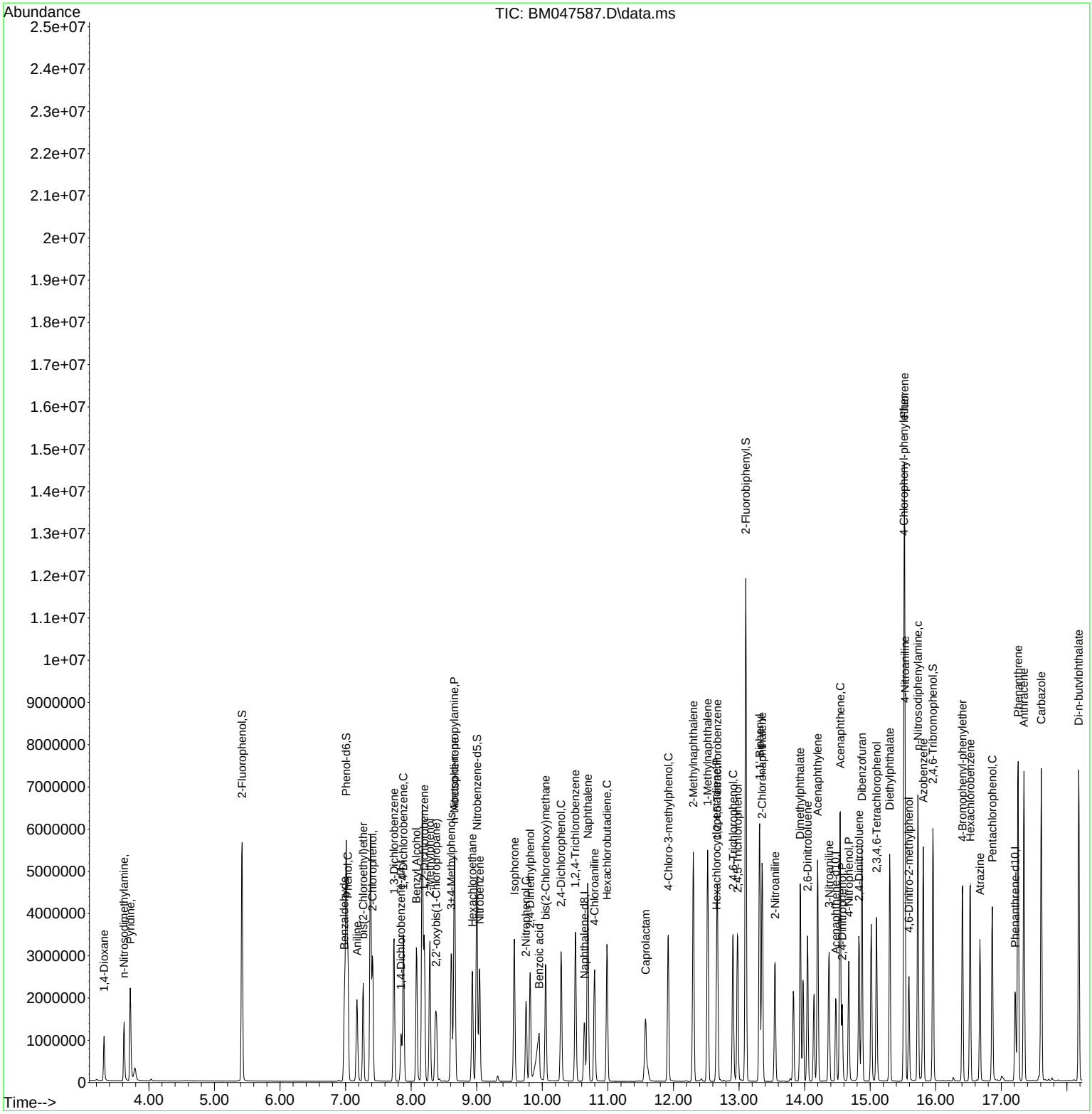
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047587.D
Acq On : 20 Sep 2024 13:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 16:23:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047587.D
Acq On : 20 Sep 2024 13:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
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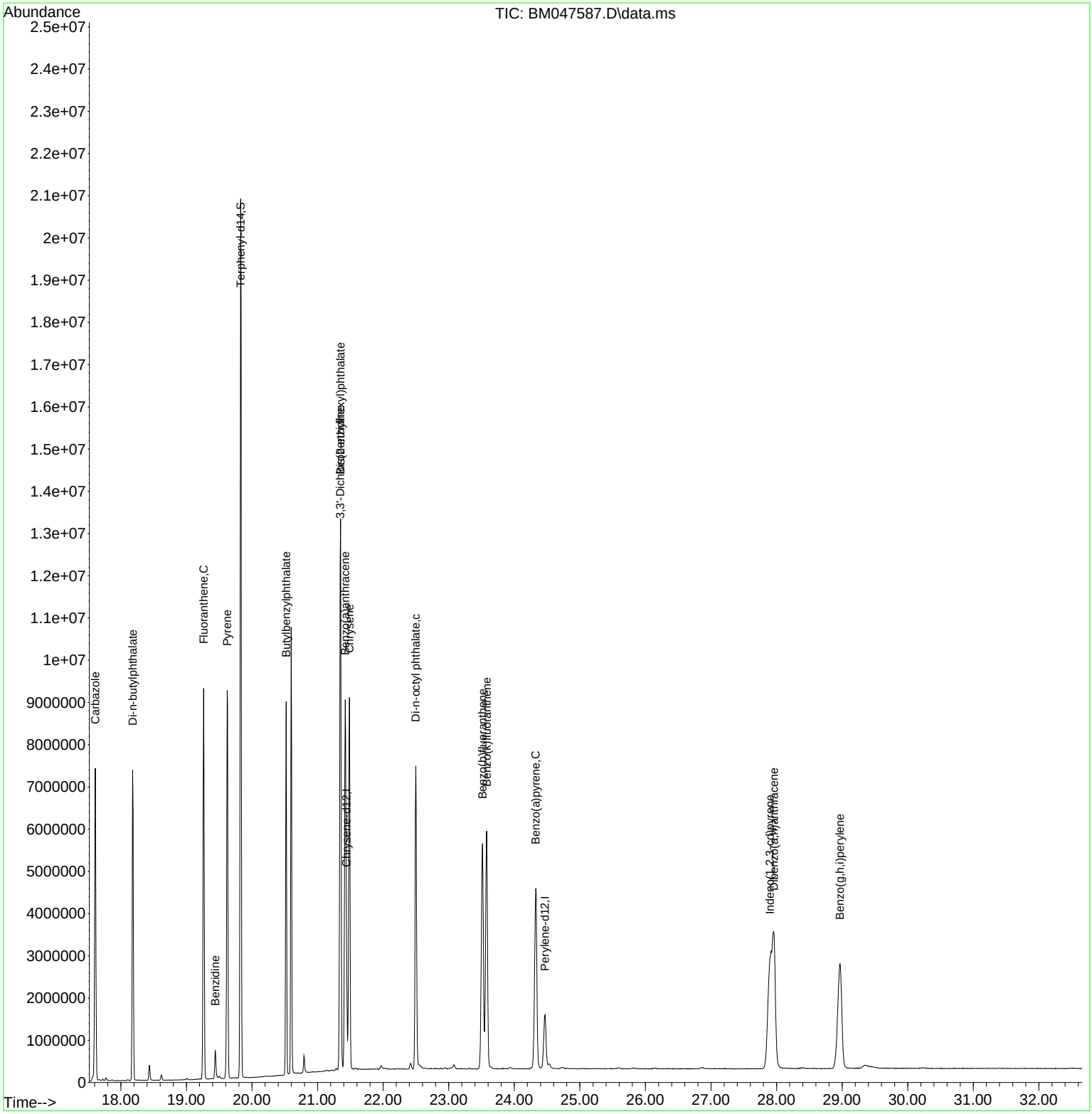
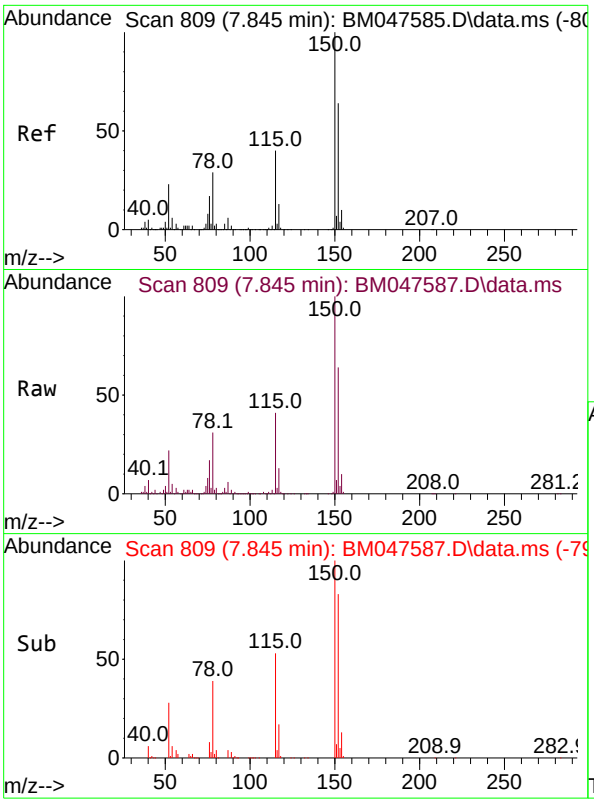
Quant Time: Sep 20 16:23:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

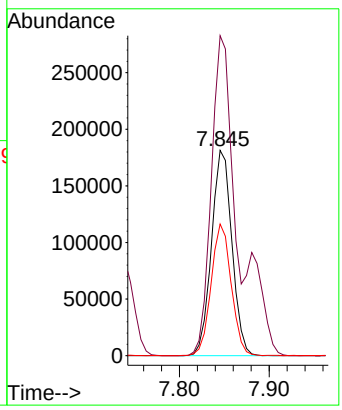




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:152 Resp: 28675

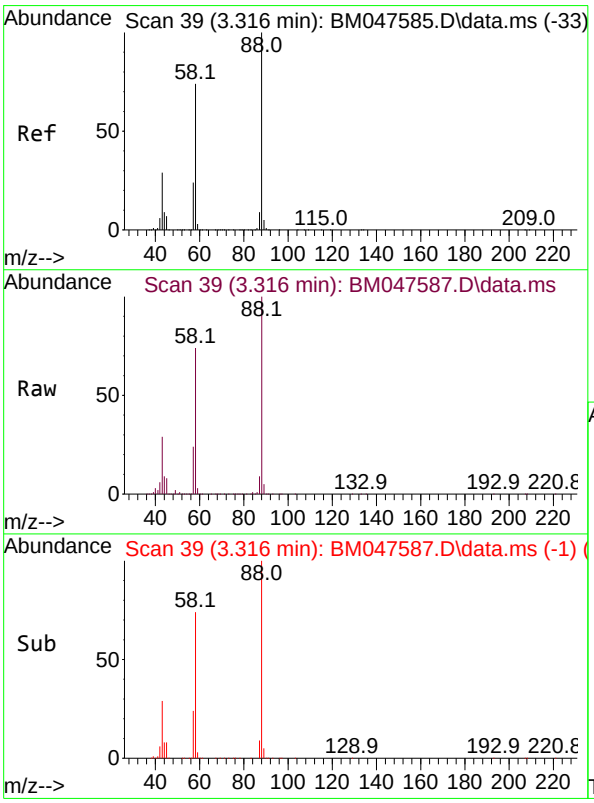
Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	64.2	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

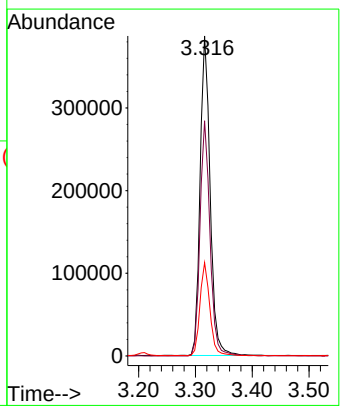
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

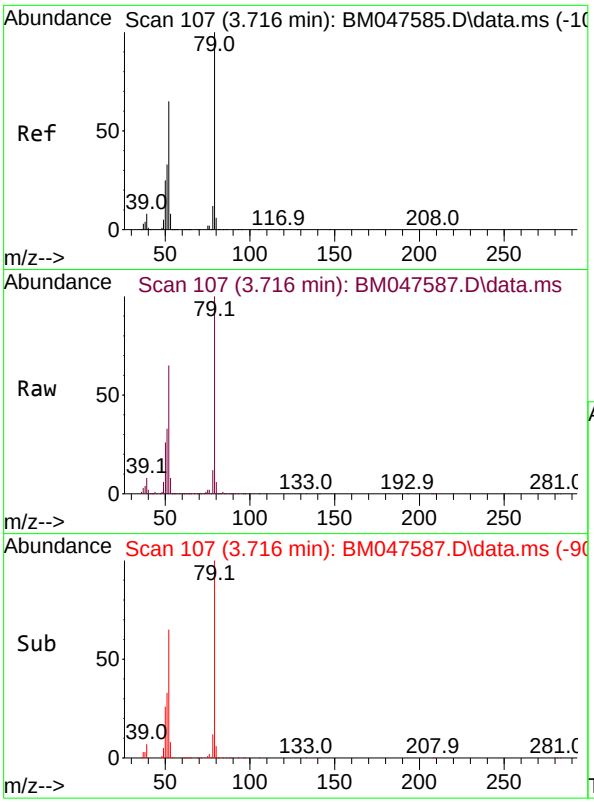


#2
1,4-Dioxane
Concen: 58.326 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 88 Resp: 475202

Ion	Ratio	Lower	Upper
88	100		
58	73.3	58.0	87.0
43	28.6	23.1	34.7

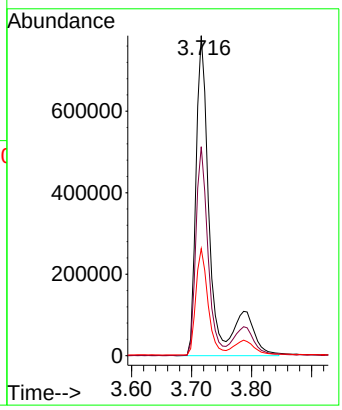




#3
Pyridine
Concen: 60.694 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 79 Resp: 137159

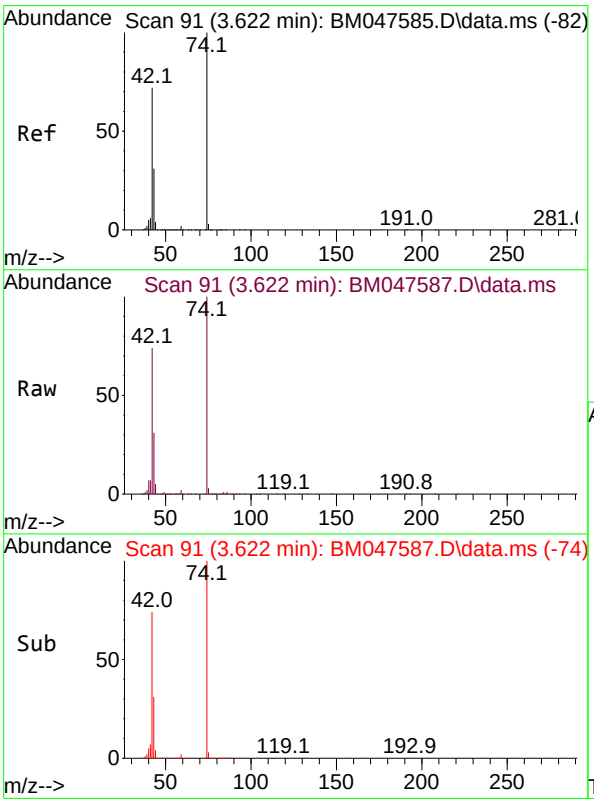
Ion	Ratio	Lower	Upper
79	100		
52	65.3	52.2	78.2
51	33.4	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

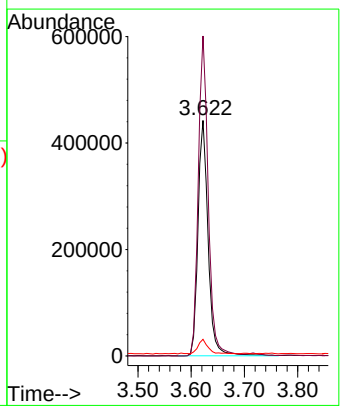
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

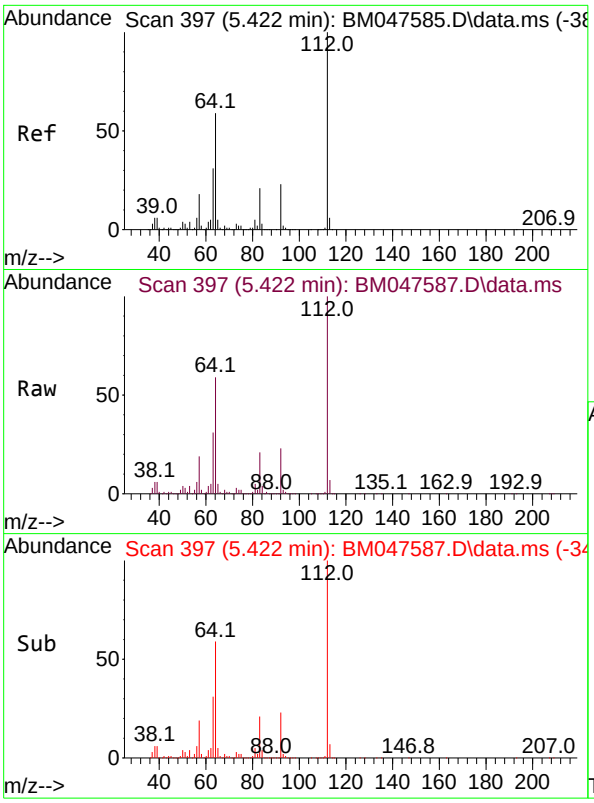


#4
n-Nitrosodimethylamine
Concen: 62.294 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 42 Resp: 583367

Ion	Ratio	Lower	Upper
42	100		
74	135.8	110.8	166.2
44	7.0	6.1	9.1

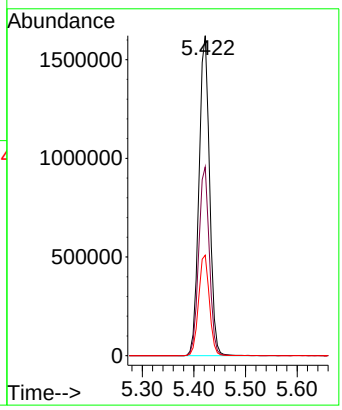




#5
2-Fluorophenol
Concen: 123.387 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:112 Resp: 230882

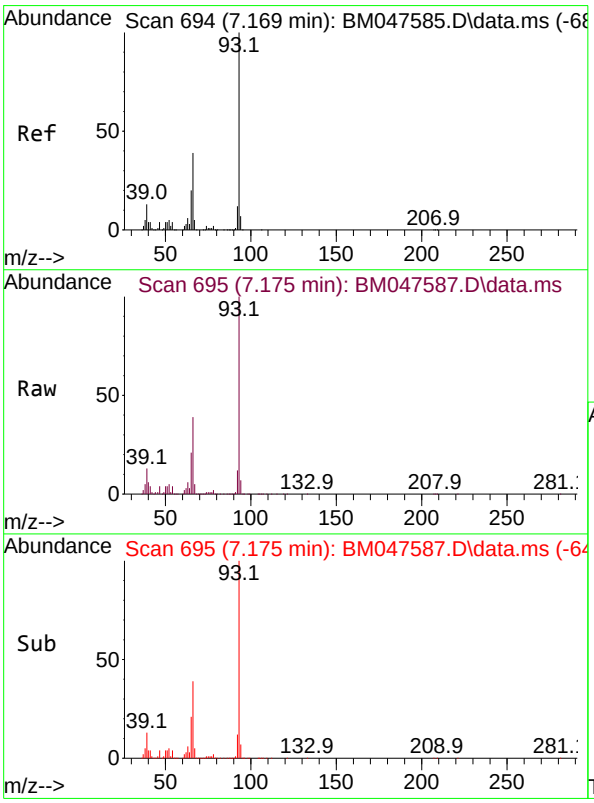
Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.8	70.2
63	31.4	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

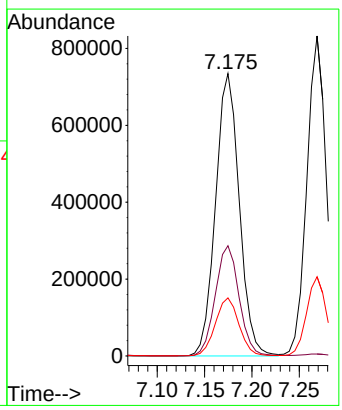
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

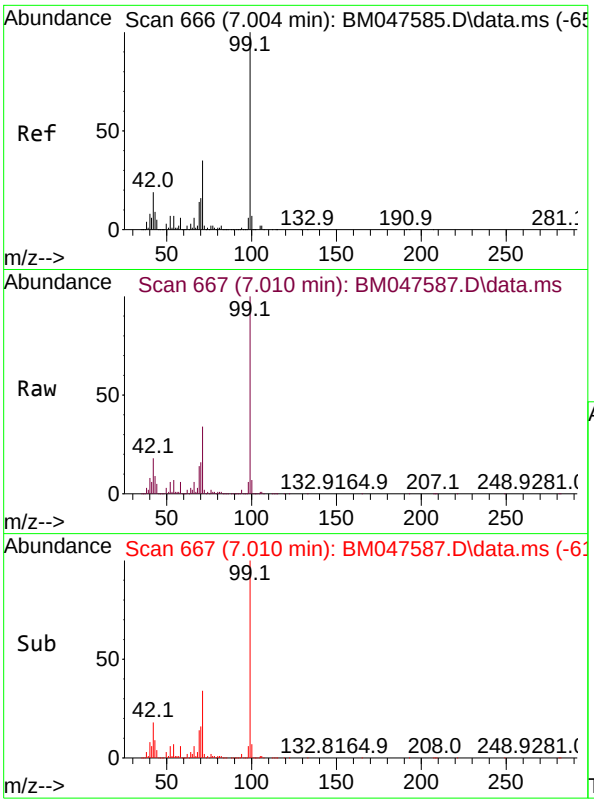


#6
Aniline
Concen: 60.669 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 93 Resp: 1281442

Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.4	47.0
65	20.6	16.2	24.2

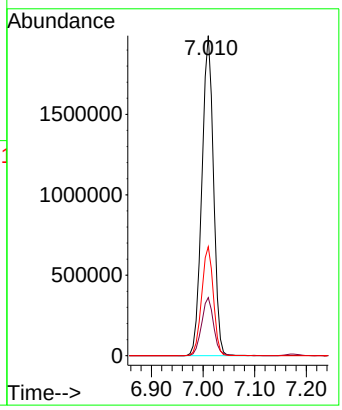




#7
Phenol-d6
Concen: 125.951 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 99 Resp: 310539(

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.3	22.9
71	34.1	27.8	41.6



Instrument :
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ClientSampleId :
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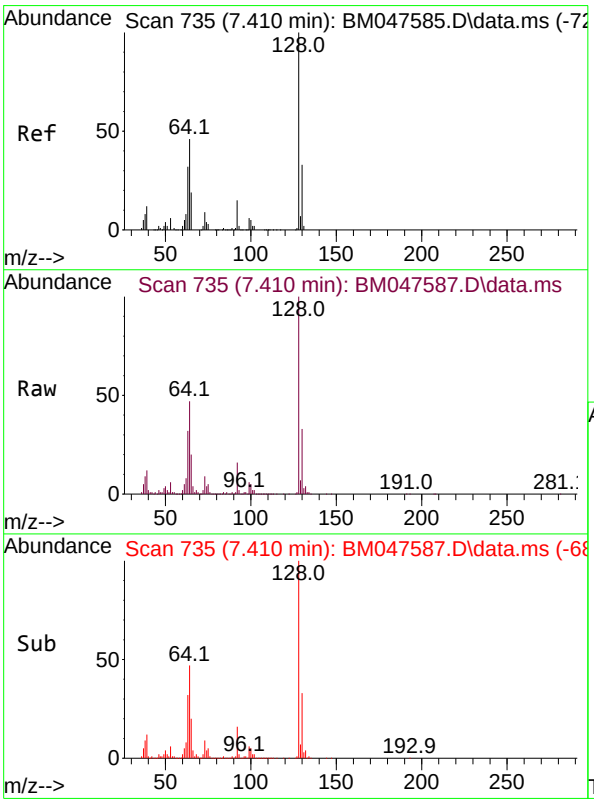
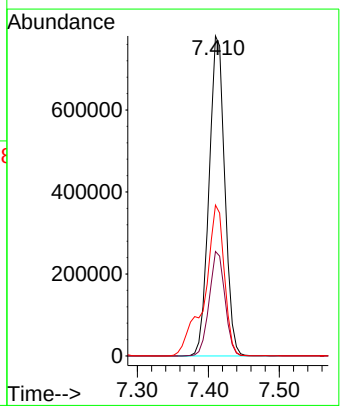
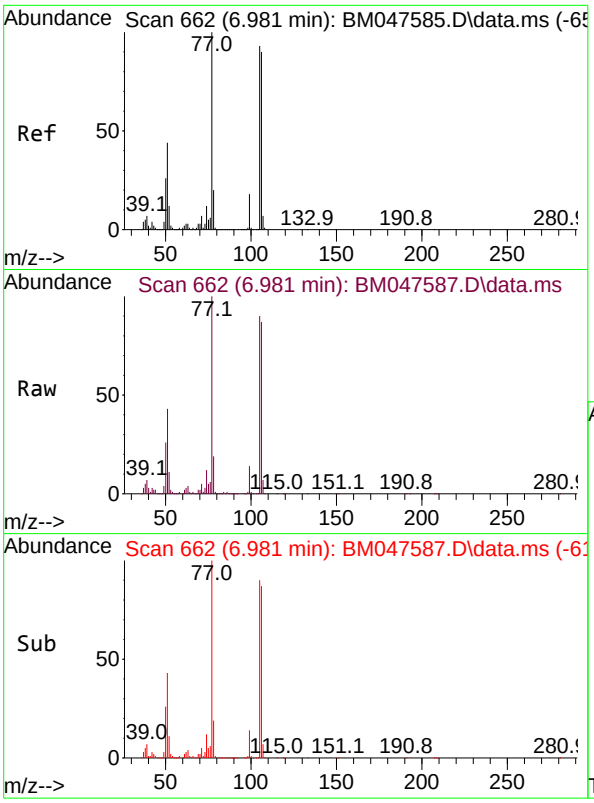


#8
2-Chlorophenol
Concen: 61.216 ng
RT: 7.410 min Scan# 735
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:128 Resp: 1199182

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	47.2	27.6	67.6

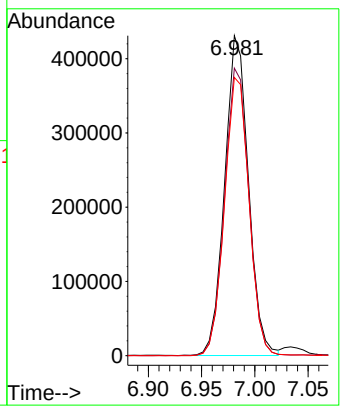




#9
Benzaldehyde
Concen: 53.189 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 77 Resp: 67002

Ion	Ratio	Lower	Upper
77	100		
105	89.8	73.0	113.0
106	86.9	70.3	110.3



Instrument :
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ClientSampleId :
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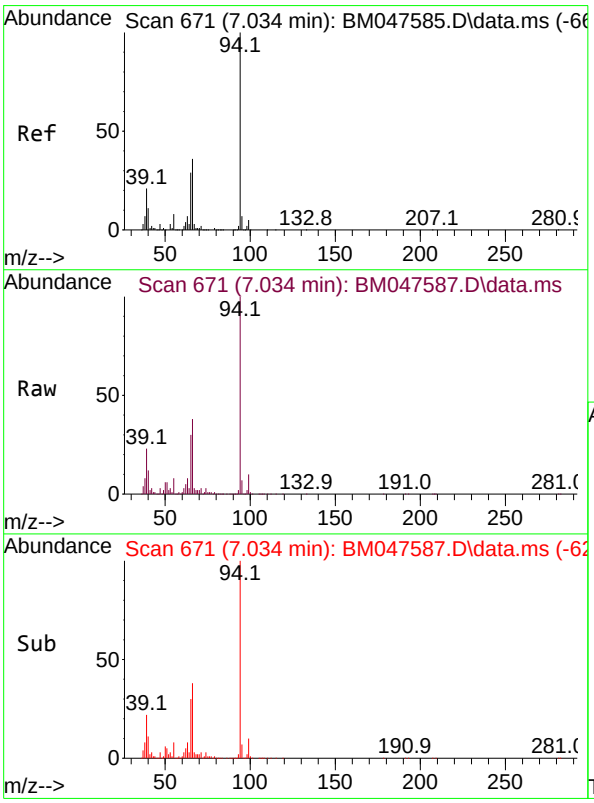
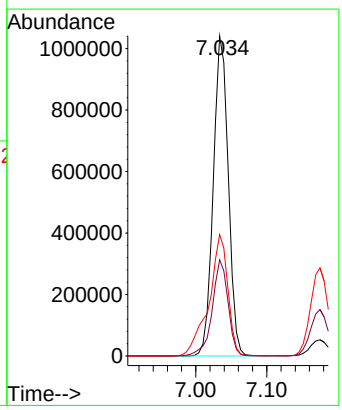
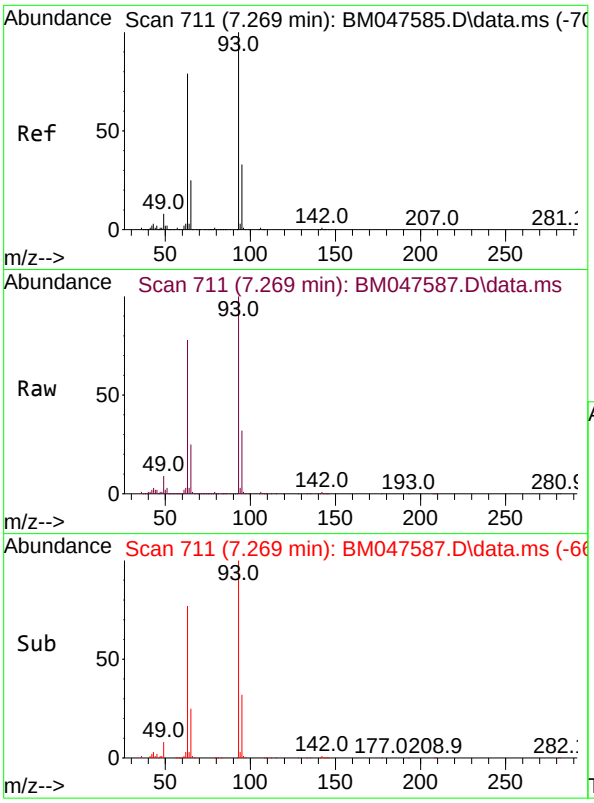


#10
Phenol
Concen: 62.325 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 94 Resp: 1525808

Ion	Ratio	Lower	Upper
94	100		
65	30.0	9.1	49.1
66	37.9	16.5	56.5

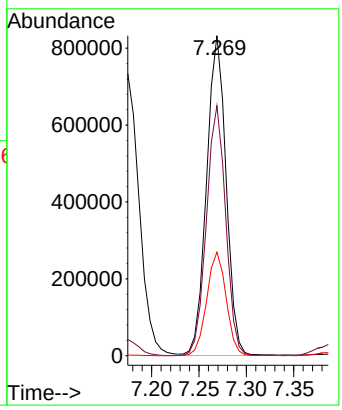




#11
bis(2-Chloroethyl)ether
Concen: 60.464 ng
RT: 7.269 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 93 Resp: 118973

Ion	Ratio	Lower	Upper
93	100		
63	78.1	58.5	98.5
95	32.4	12.9	52.9



Instrument :
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ClientSampleId :
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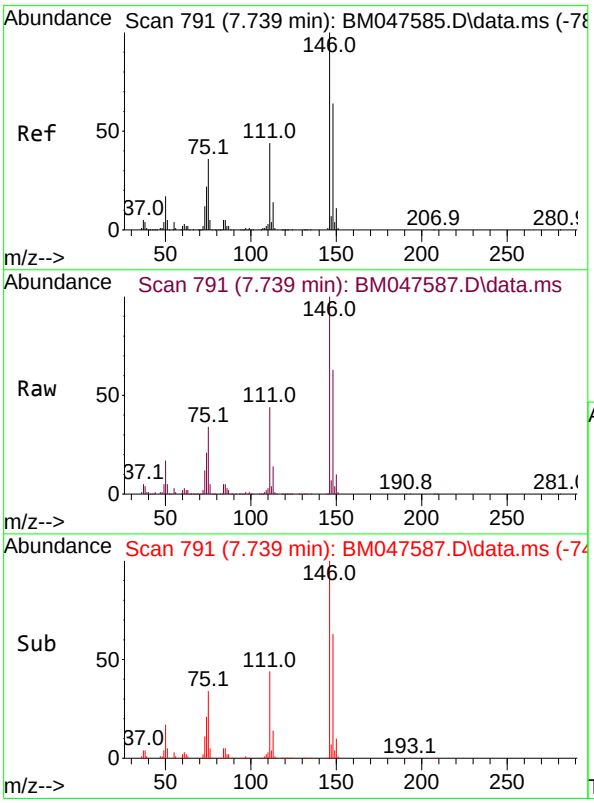
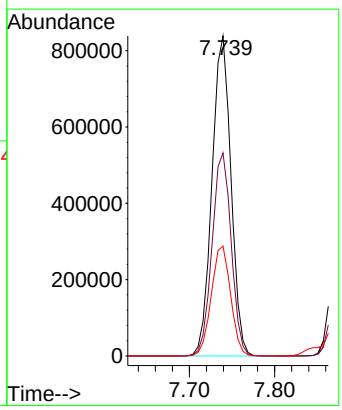
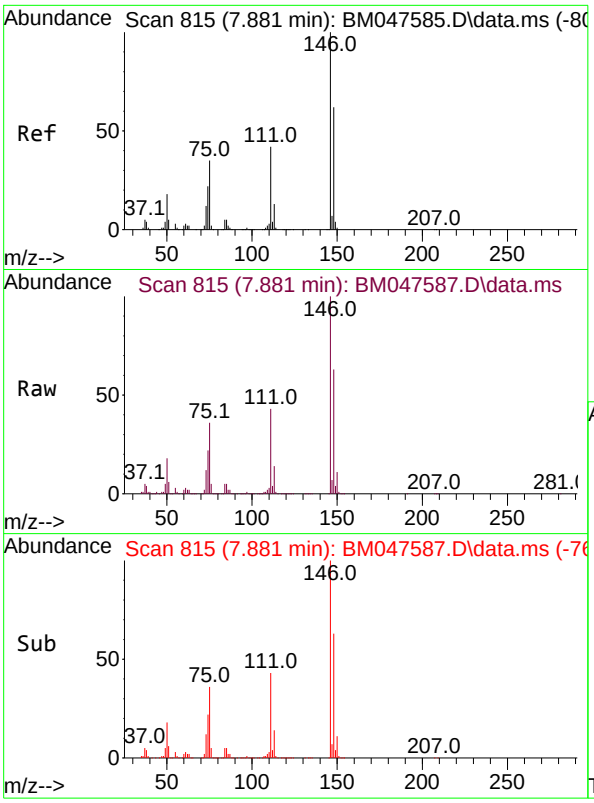


#12
1,3-Dichlorobenzene
Concen: 59.872 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:146 Resp: 1297041

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.2
75	34.3	28.4	42.6

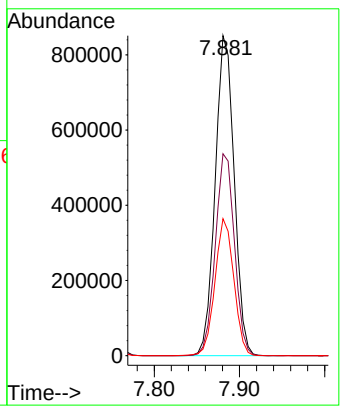




#13
1,4-Dichlorobenzene
Concen: 60.191 ng
RT: 7.881 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:146 Resp: 131939

Ion	Ratio	Lower	Upper
146	100		
148	63.1	49.8	74.6
111	42.8	33.3	49.9



Instrument :
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ClientSampleId :
SSTDICC060

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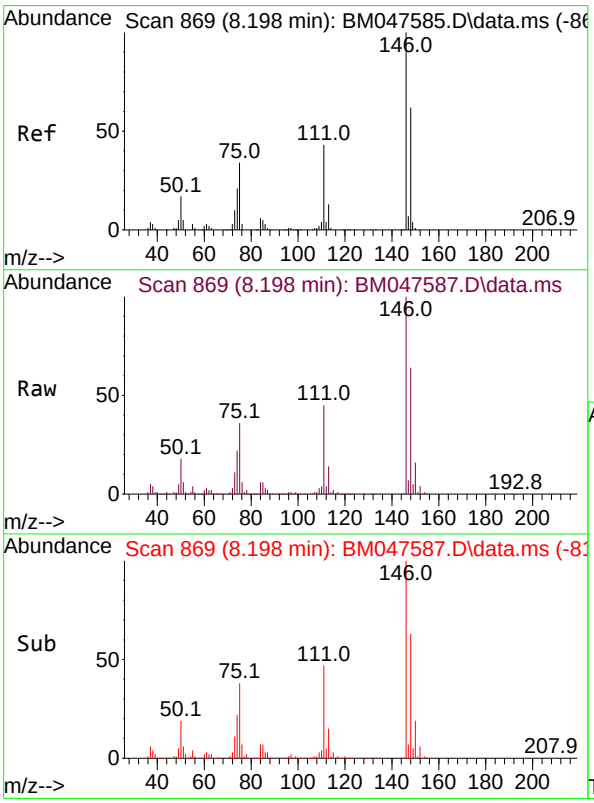
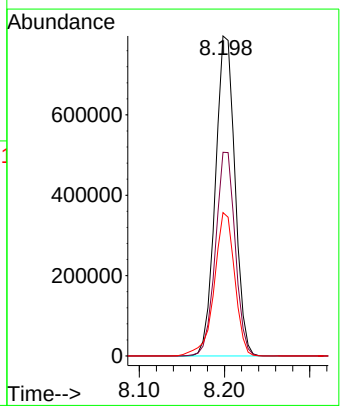
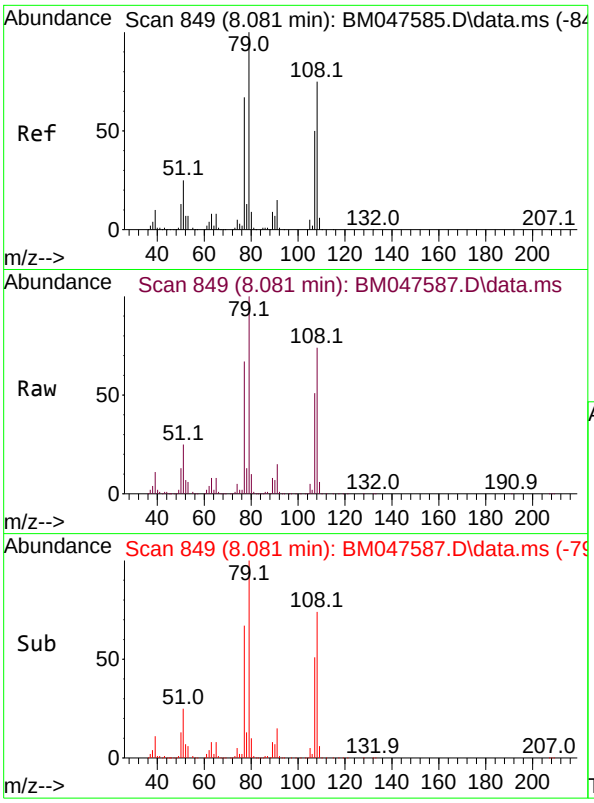


#14
1,2-Dichlorobenzene
Concen: 60.095 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:146 Resp: 1269742

Ion	Ratio	Lower	Upper
146	100		
148	63.6	49.7	74.5
111	44.8	34.8	52.2

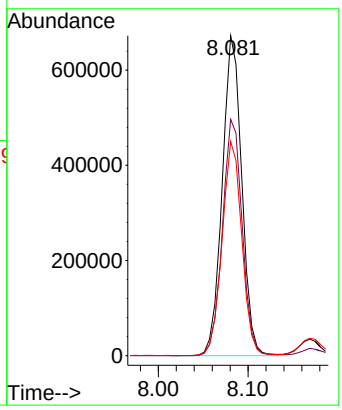




#15
Benzyl Alcohol
Concen: 63.785 ng
RT: 8.081 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 79 Resp: 101467

Ion	Ratio	Lower	Upper
79	100		
108	73.8	60.2	90.2
77	67.0	53.9	80.9



Instrument :
BNA_M
ClientSampleId :
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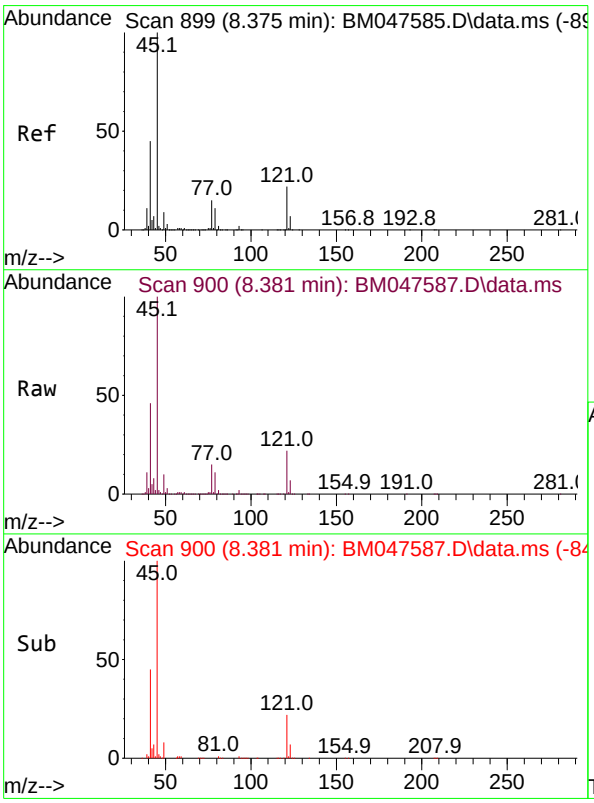
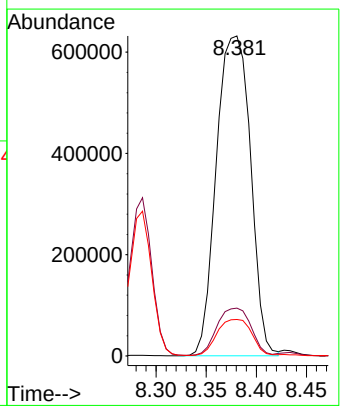
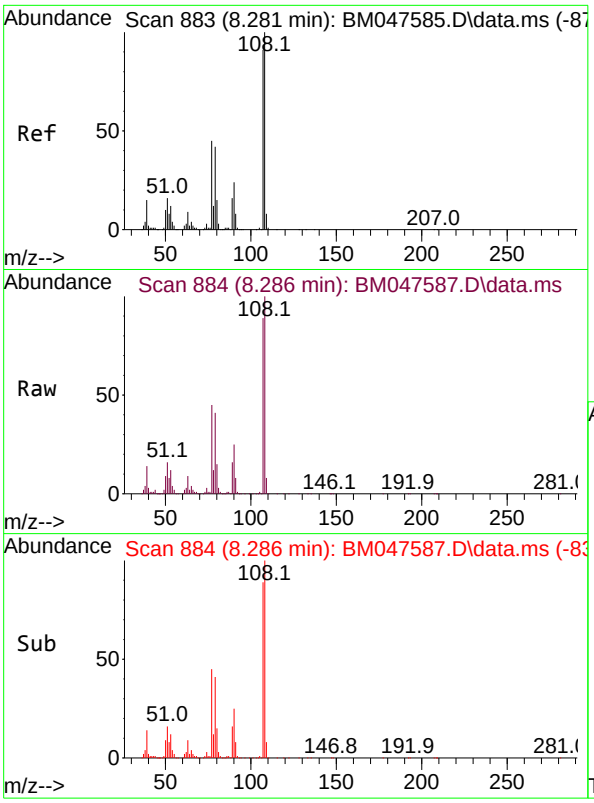


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.728 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 45 Resp: 1498037

Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	35.5
79	11.4	0.0	31.6

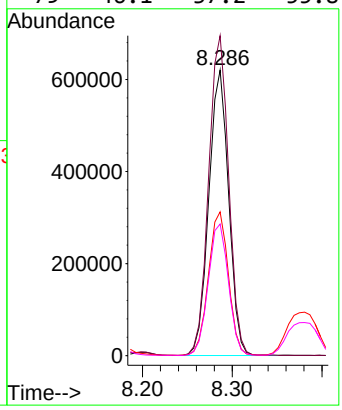




#17
2-Methylphenol
Concen: 61.959 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:107 Resp: 95333

Ion	Ratio	Lower	Upper
107	100		
108	112.1	87.8	131.6
77	50.4	39.6	59.4
79	46.1	37.2	55.8



Instrument :
BNA_M
ClientSampleId :
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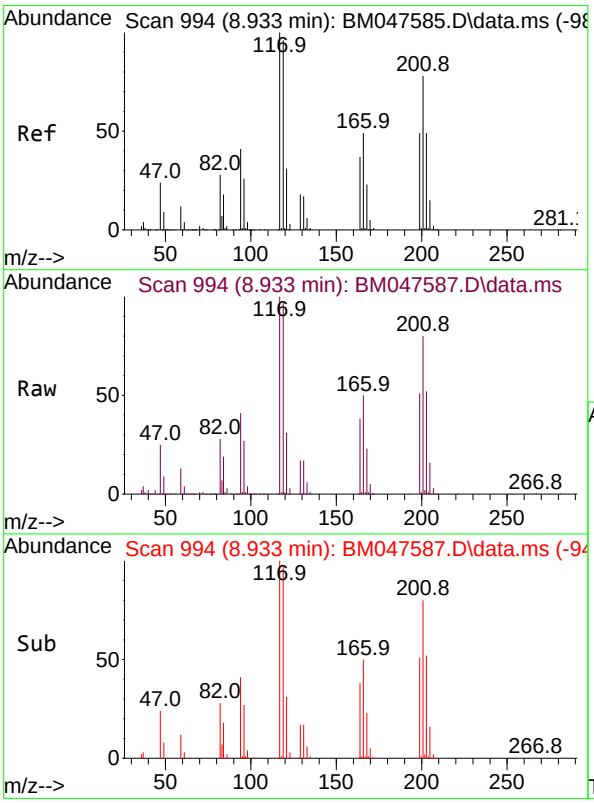
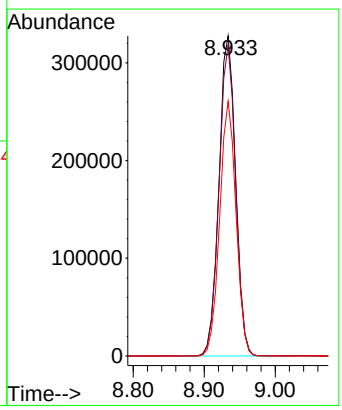
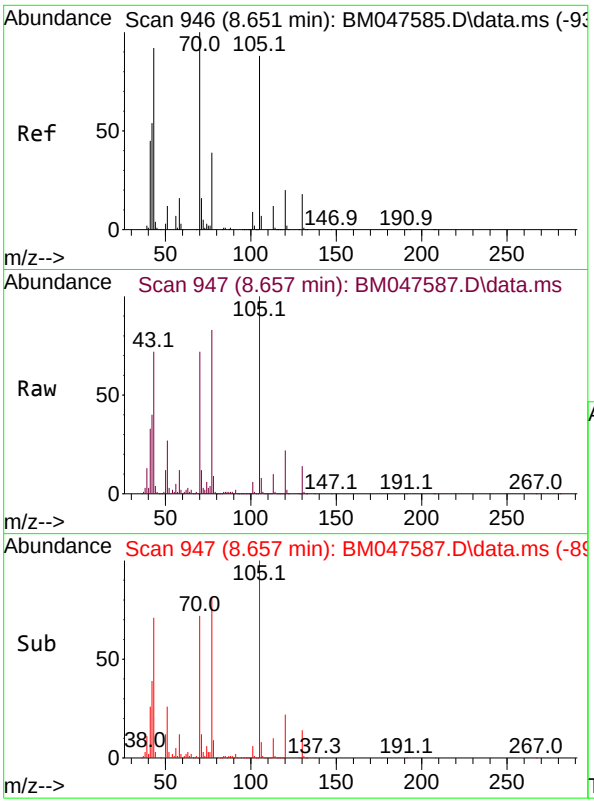


#18
Hexachloroethane
Concen: 59.746 ng
RT: 8.933 min Scan# 994
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:117 Resp: 531089

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.2	115.8
201	79.5	62.3	93.5

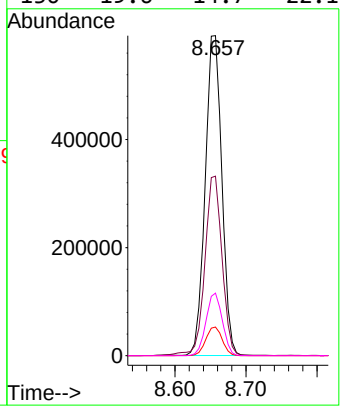




#19
n-Nitroso-di-n-propylamine
Concen: 63.961 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 70 Resp: 965969

Ion	Ratio	Lower	Upper
70	100		
42	56.1	44.2	66.2
101	9.0	7.0	10.4
130	19.6	14.7	22.1



Instrument :
BNA_M
ClientSampleId :
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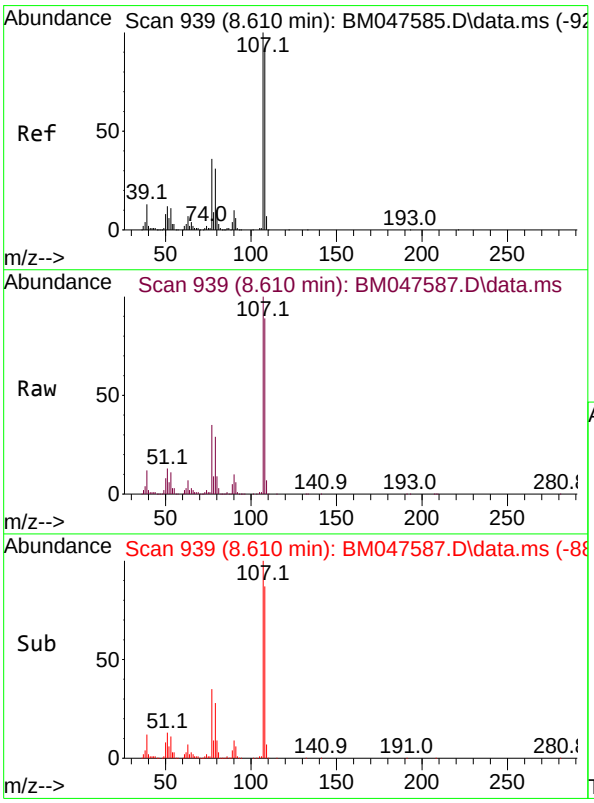
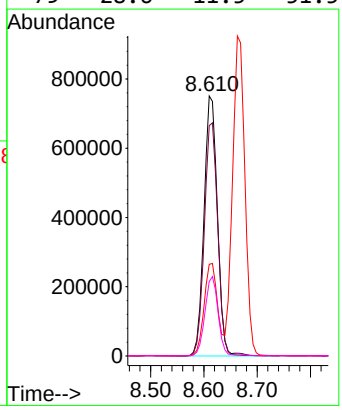
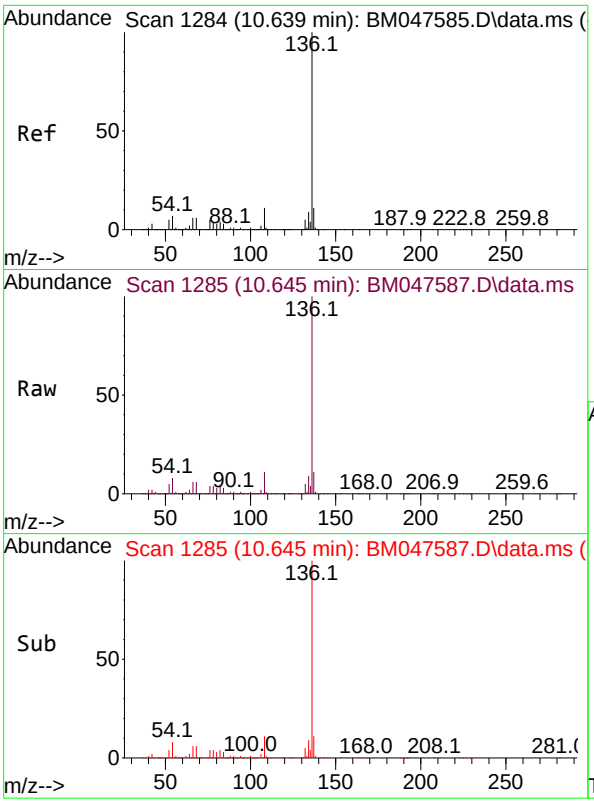


#20
3+4-Methylphenols
Concen: 62.625 ng
RT: 8.610 min Scan# 939
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:107 Resp: 1312452

Ion	Ratio	Lower	Upper
107	100		
108	88.6	71.8	111.8
77	35.3	16.1	56.1
79	28.6	11.5	51.5

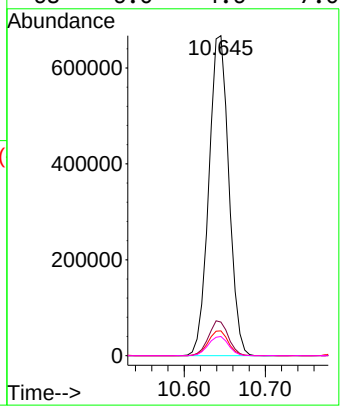




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:136 Resp: 113983

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	7.8	6.0	9.0
68	6.0	4.6	7.0



Instrument :
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ClientSampleId :
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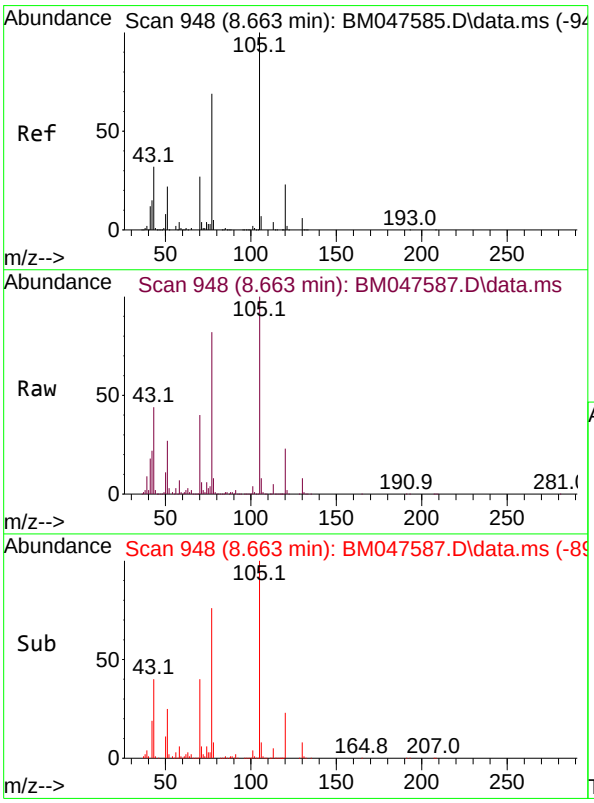
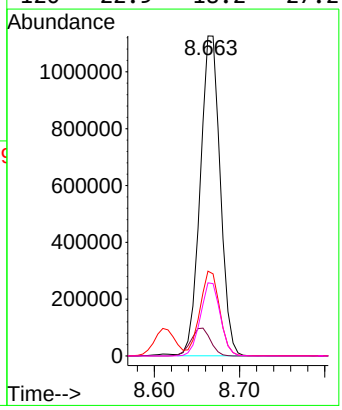
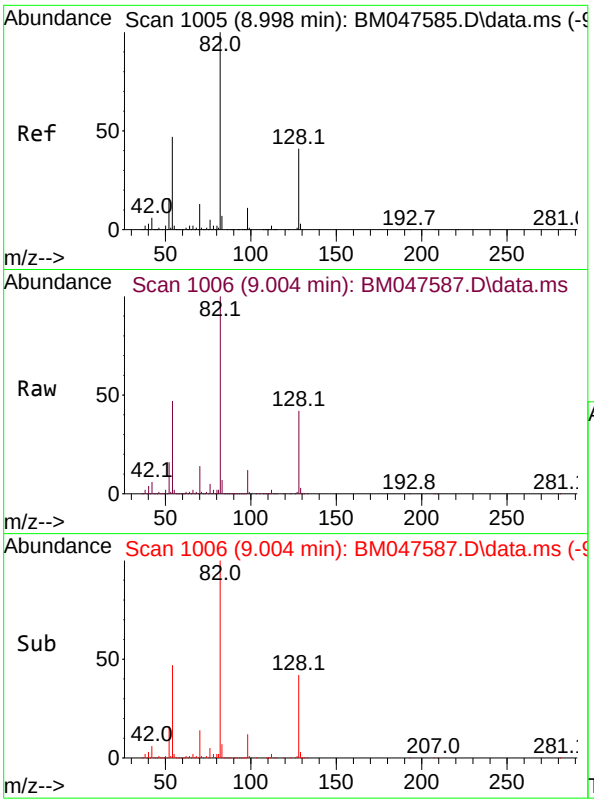


#22
Acetophenone
Concen: 61.683 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:105 Resp: 1831756

Ion	Ratio	Lower	Upper
105	100		
71	6.5	3.4	5.2#
51	26.5	21.4	32.2
120	22.9	18.2	27.2





#23
Nitrobenzene-d5
Concen: 126.094 ng
RT: 9.004 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 82 Resp: 288720

Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.5	48.7
54	46.8	37.5	56.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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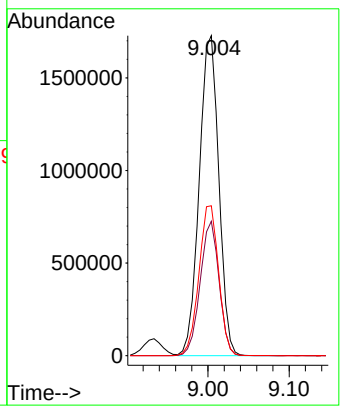
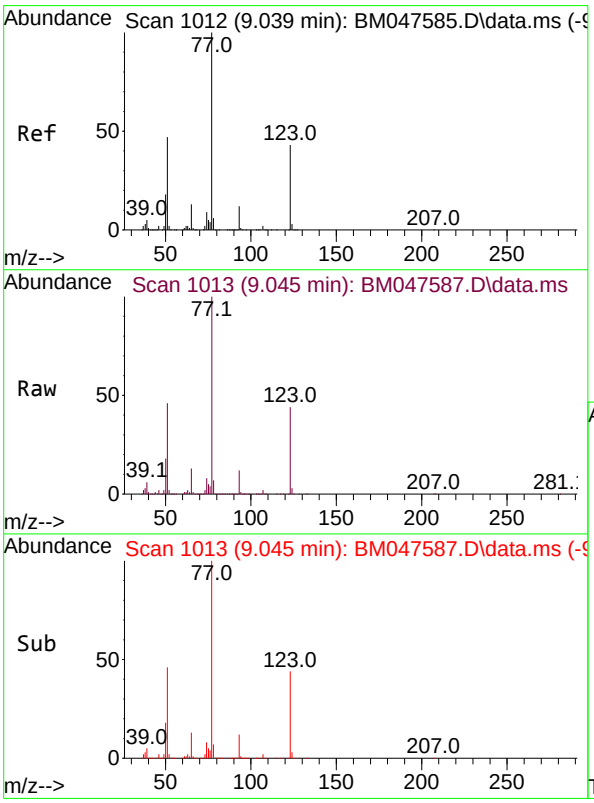
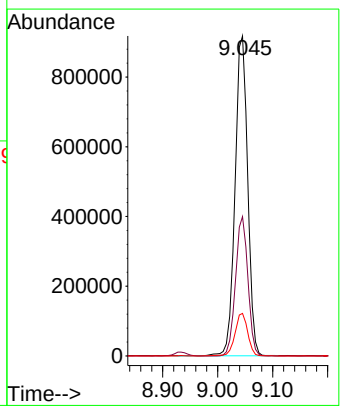


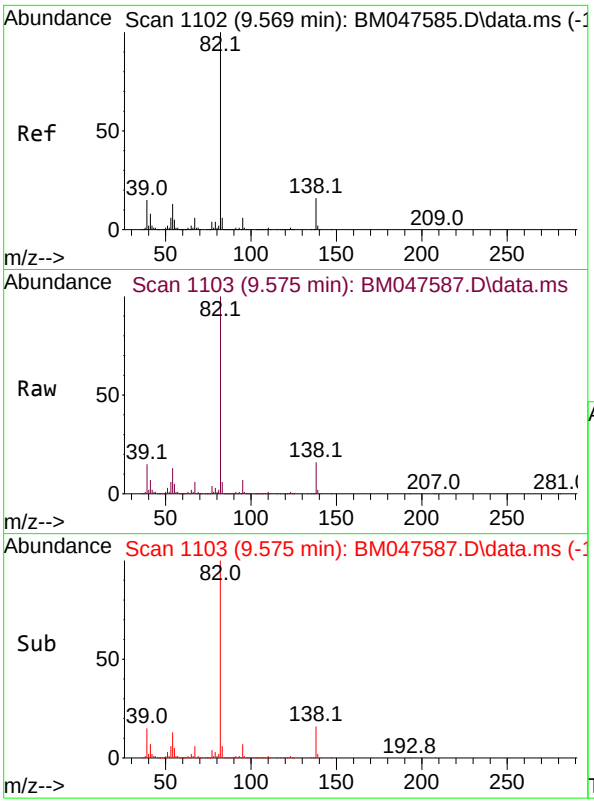


#24
Nitrobenzene
Concen: 61.760 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 77 Resp: 1460609

Ion	Ratio	Lower	Upper
77	100		
123	43.5	34.1	51.1
65	13.3	10.7	16.1

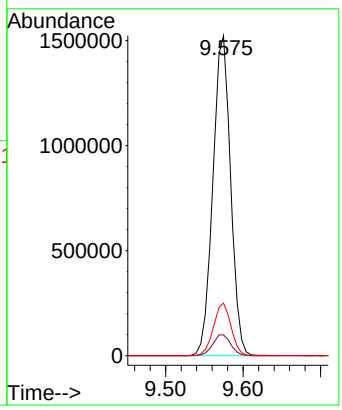




#25
Isophorone
Concen: 63.159 ng
RT: 9.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 82 Resp: 241680

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.0	7.6
138	16.5	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
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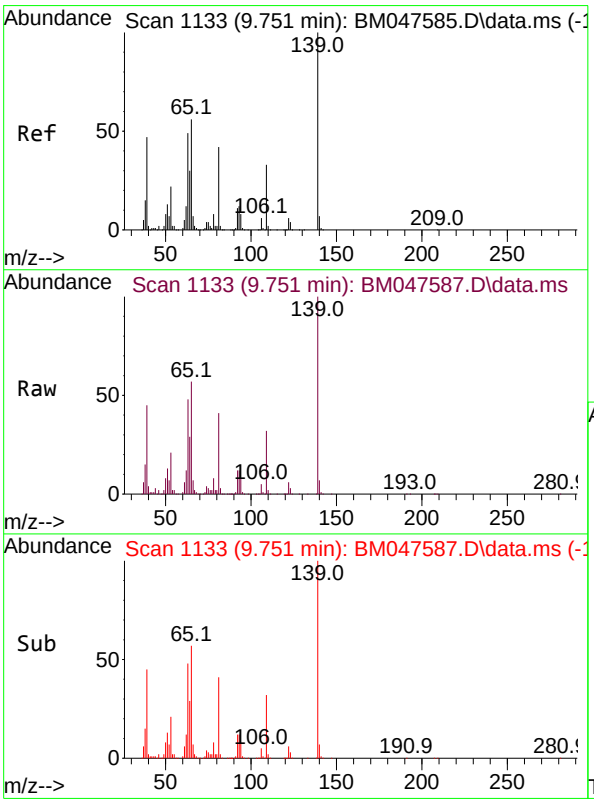
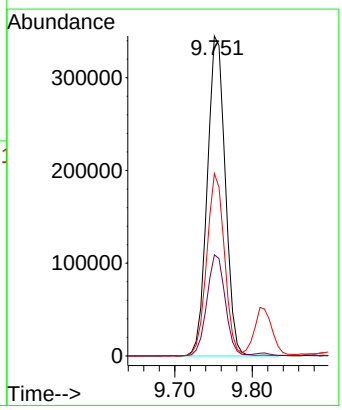
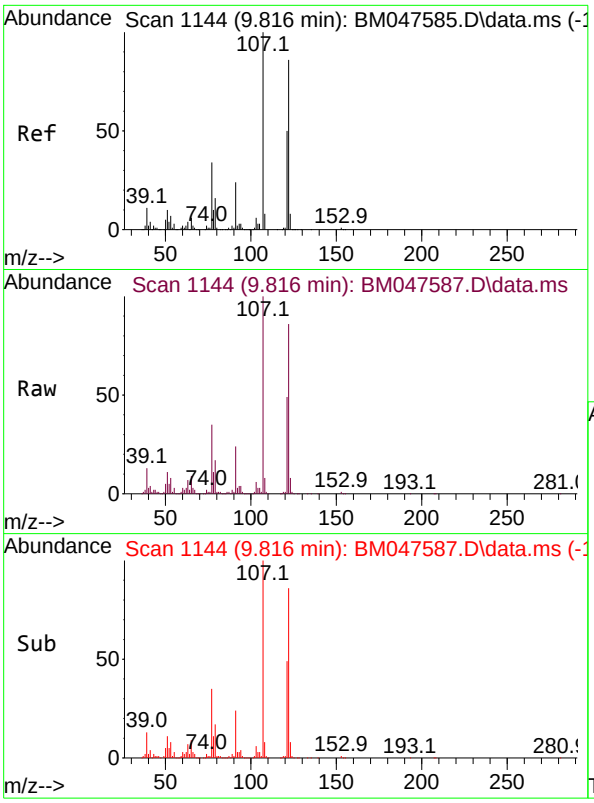


#26
2-Nitrophenol
Concen: 66.872 ng
RT: 9.751 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:139 Resp: 556052

Ion	Ratio	Lower	Upper
139	100		
109	31.6	26.1	39.1
65	57.0	44.7	67.1

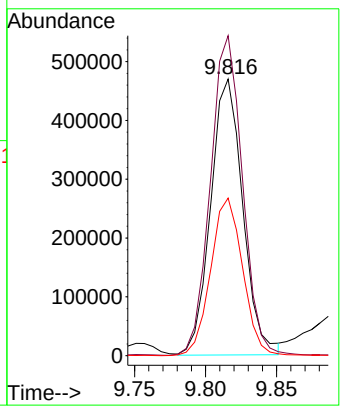




#27
2,4-Dimethylphenol
Concen: 62.400 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:122 Resp: 73960

Ion	Ratio	Lower	Upper
122	100		
107	115.7	92.2	138.2
121	57.0	45.8	68.6



Instrument :
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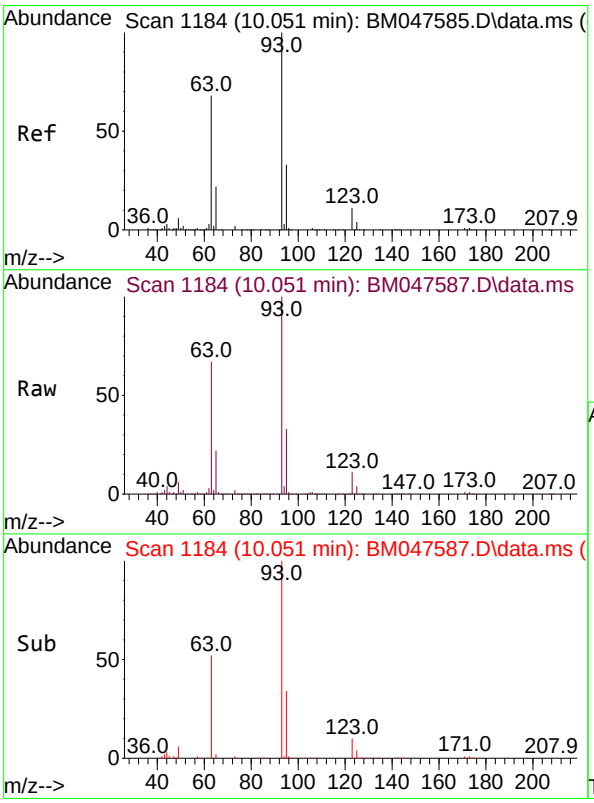
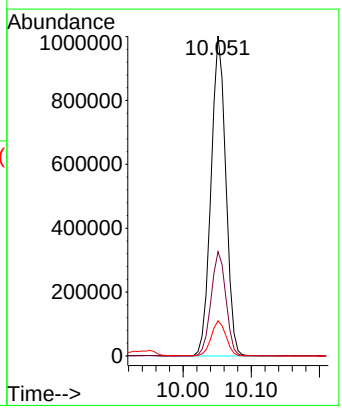
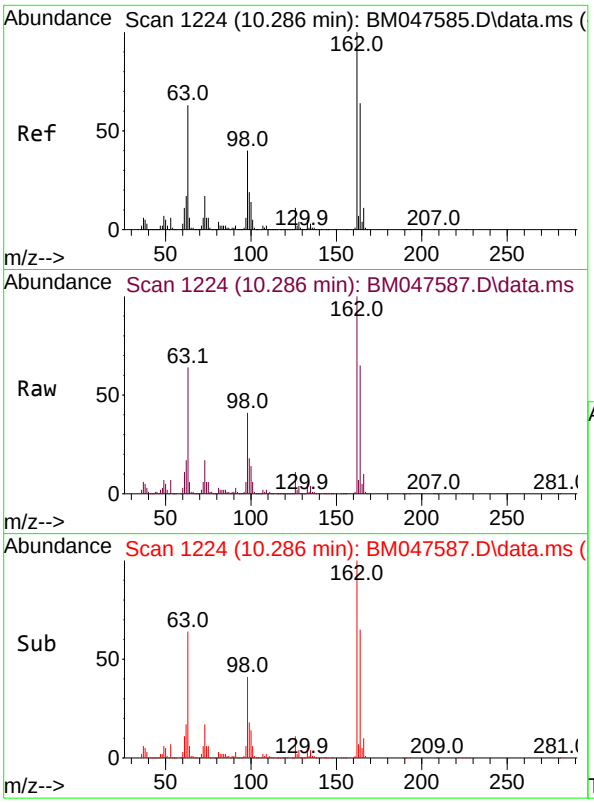


#28
bis(2-Chloroethoxy)methane
Concen: 61.299 ng
RT: 10.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 93 Resp: 1508990

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.0	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 63.696 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:162 Resp: 95438

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.9	83.9
98	40.5	20.3	60.3

Instrument :
BNA_M
ClientSampleId :
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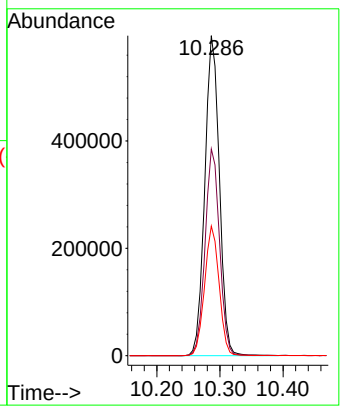
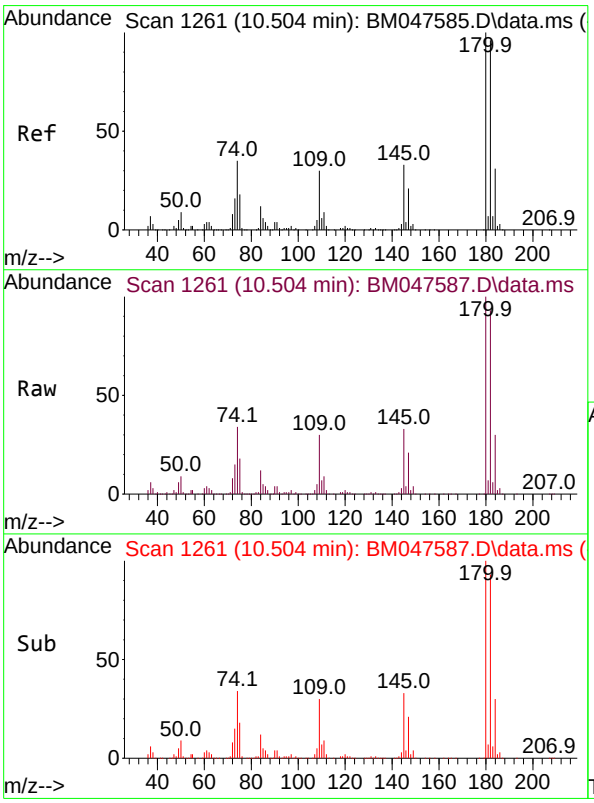
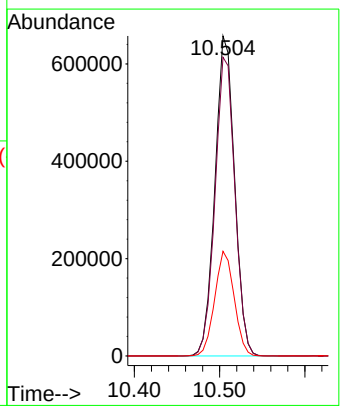


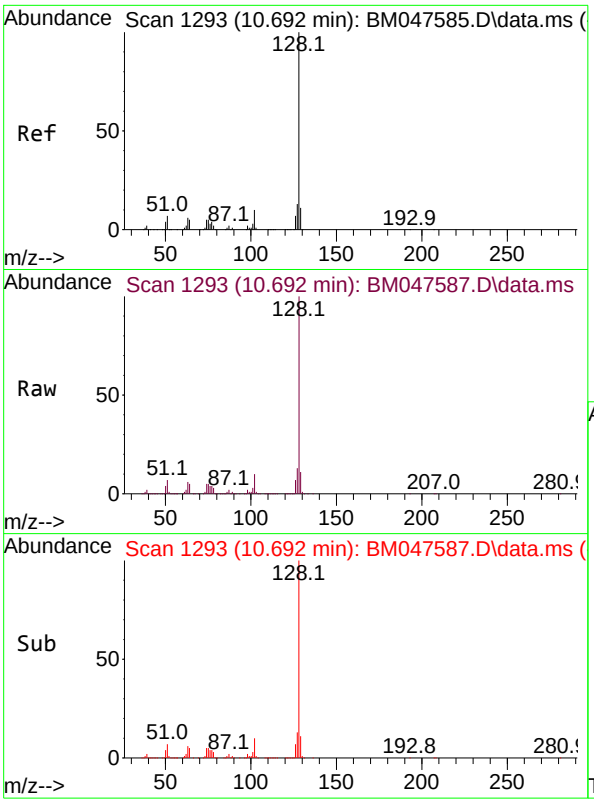


#30
1,2,4-Trichlorobenzene
Concen: 61.581 ng
RT: 10.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:180 Resp: 1051667

Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.6	115.0
145	32.7	26.2	39.2

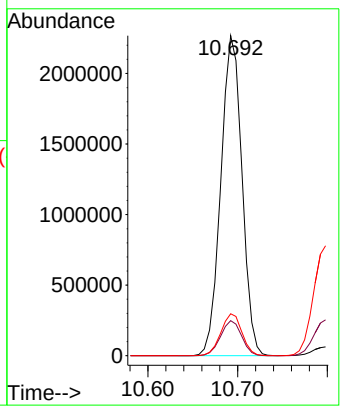




#31
Naphthalene
Concen: 61.588 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:128 Resp: 371397

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.3	15.5



Instrument :
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ClientSampleId :
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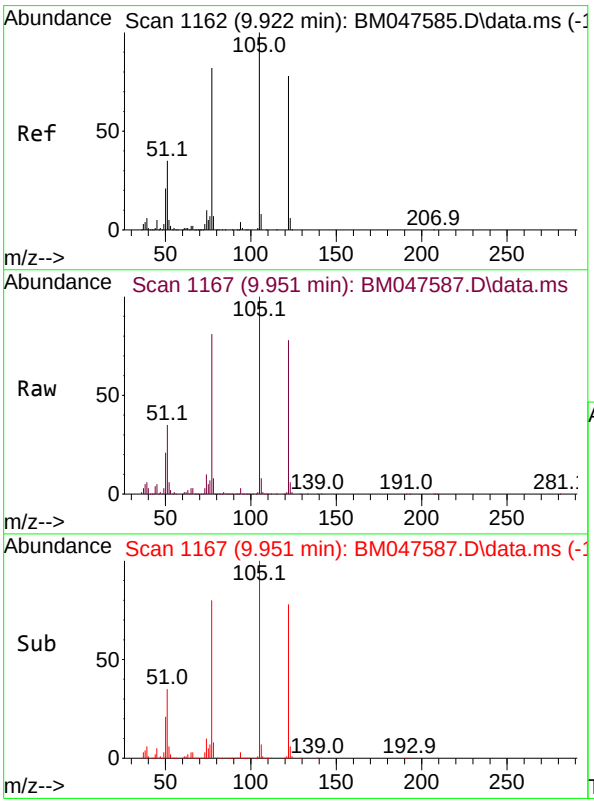
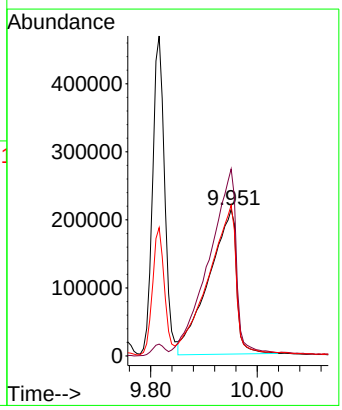
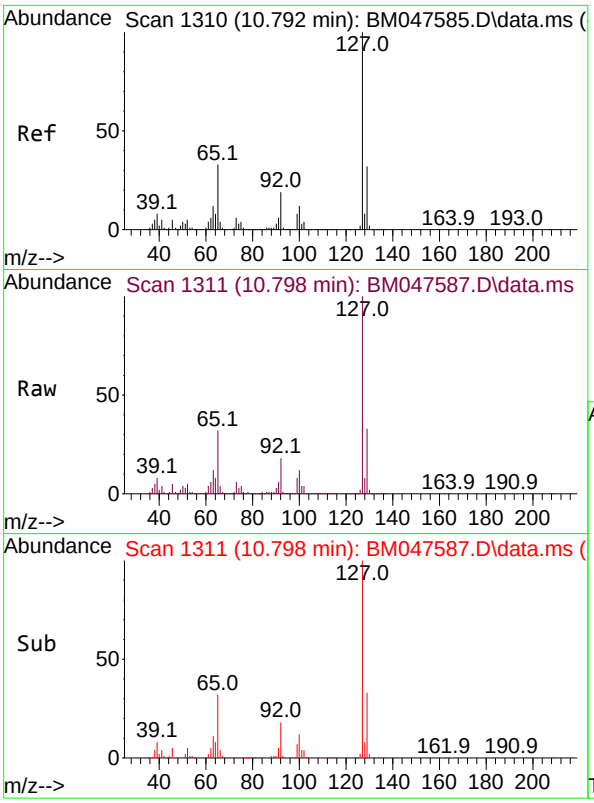


#32
Benzoic acid
Concen: 69.539 ng
RT: 9.951 min Scan# 1167
Delta R.T. 0.029 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:122 Resp: 769278

Ion	Ratio	Lower	Upper
122	100		
105	127.8	103.1	143.1
77	103.0	82.4	122.4

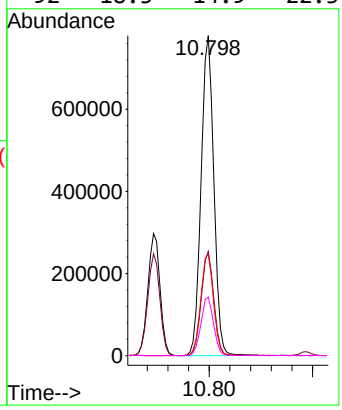




#33
4-Chloroaniline
Concen: 62.665 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:127 Resp: 133228

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.6	38.4
65	31.7	26.1	39.1
92	18.3	14.9	22.3



Instrument :
BNA_M
ClientSampleId :
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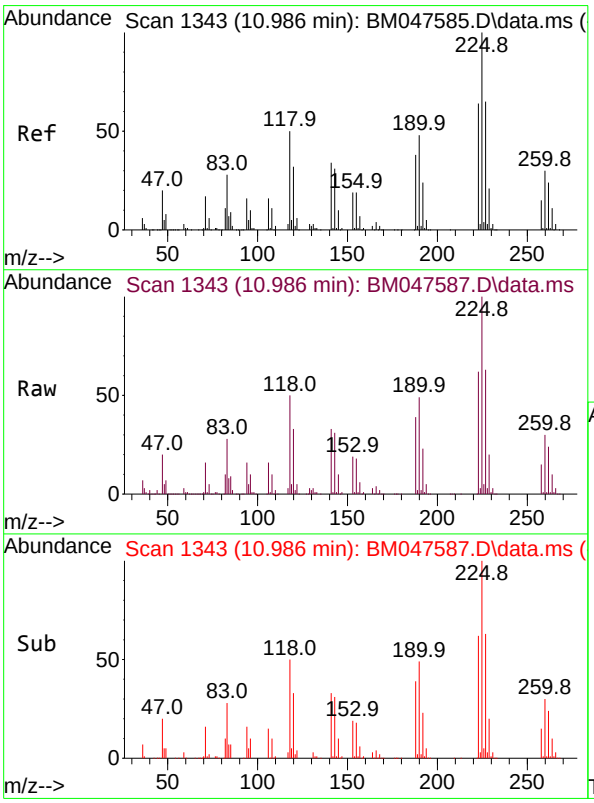
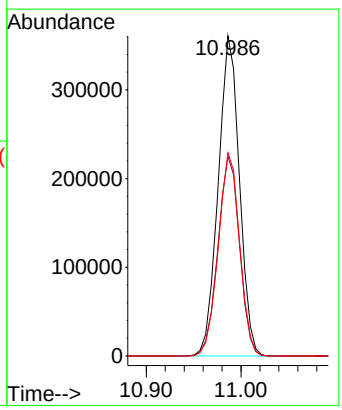
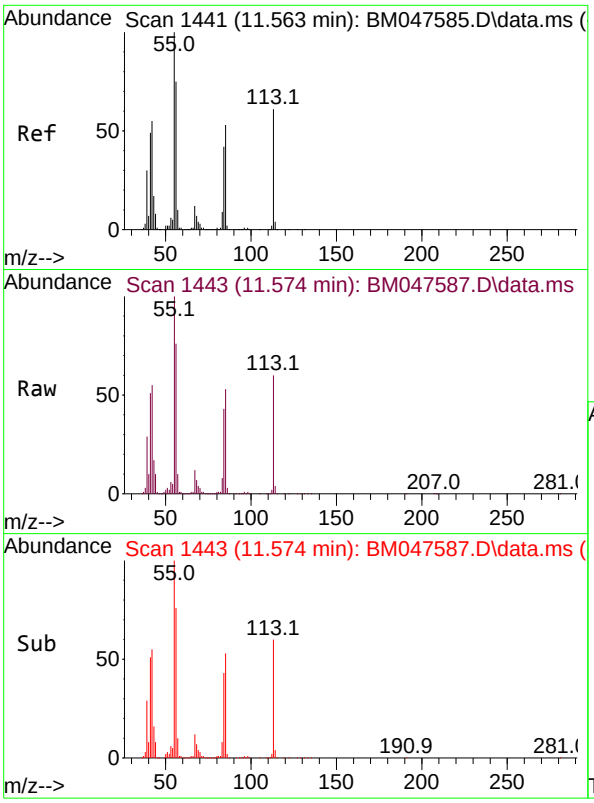


#34
Hexachlorobutadiene
Concen: 60.413 ng
RT: 10.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:225 Resp: 561458

Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.4	77.0
227	63.5	52.1	78.1

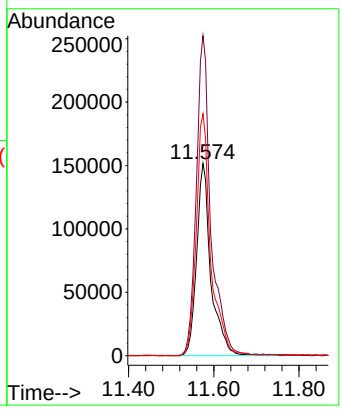




#35
Caprolactam
Concen: 67.902 ng
RT: 11.574 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:113 Resp: 35167(

Ion	Ratio	Lower	Upper
113	100		
55	166.5	145.5	185.5
56	125.8	103.9	143.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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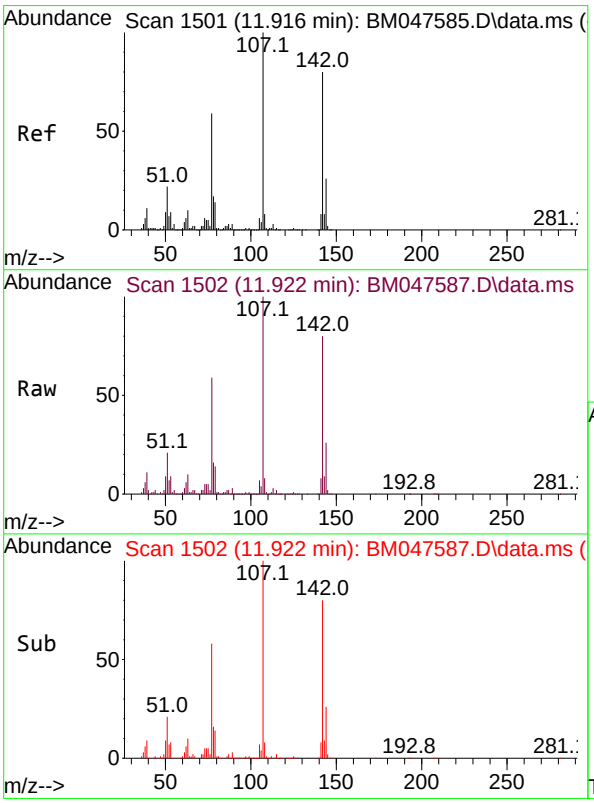
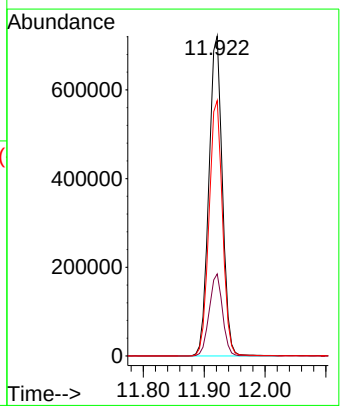
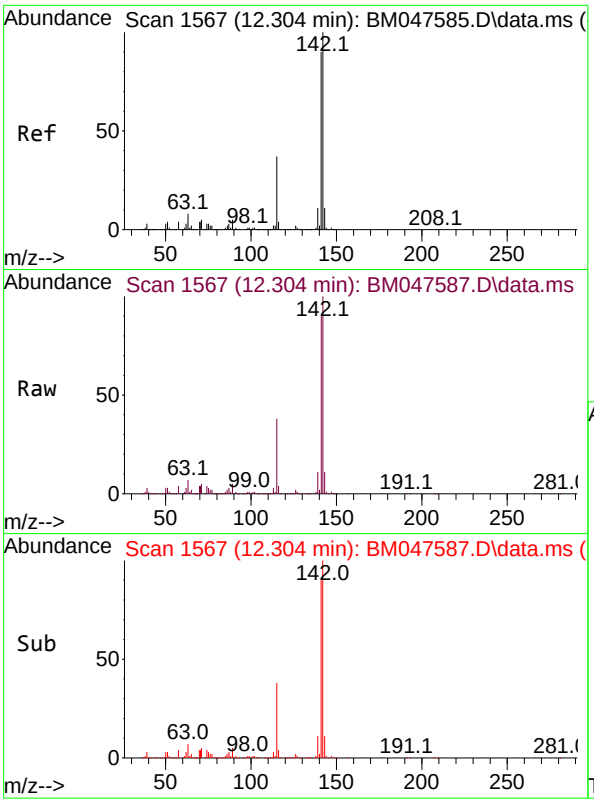


#36
4-Chloro-3-methylphenol
Concen: 64.886 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:107 Resp: 1109262

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.7	31.1
142	79.8	63.9	95.9

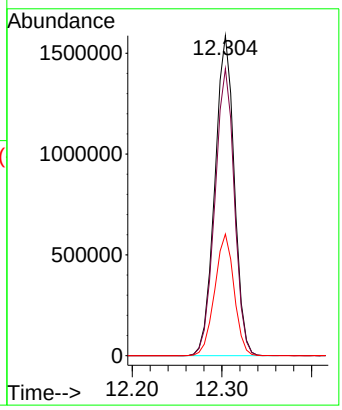




#37
2-Methylnaphthalene
Concen: 63.029 ng
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:142 Resp: 238795

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.7	107.5
115	38.0	29.5	44.3



Instrument :
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ClientSampleId :
SSTDICC060

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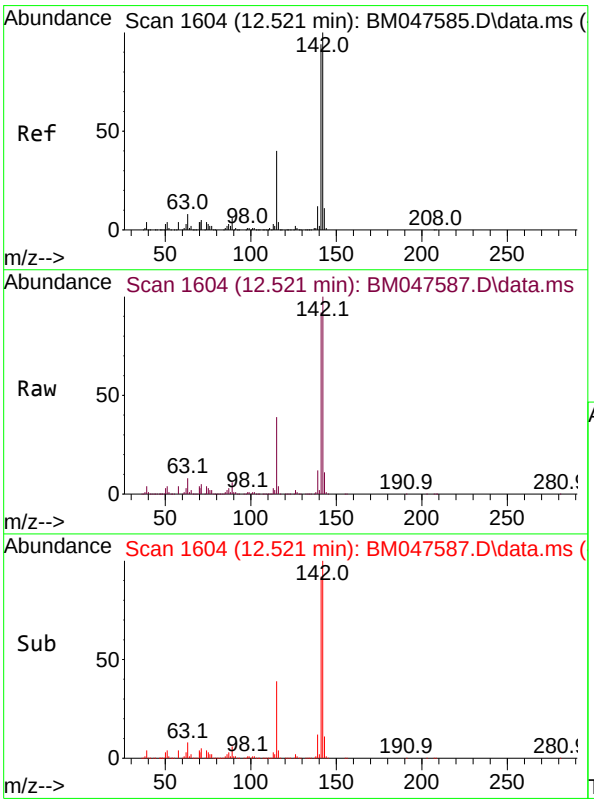
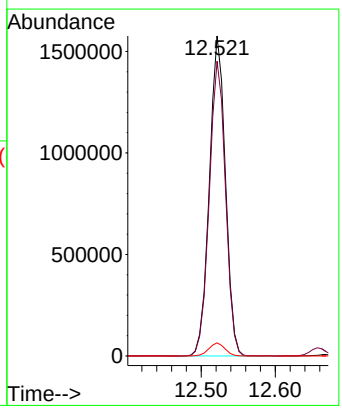
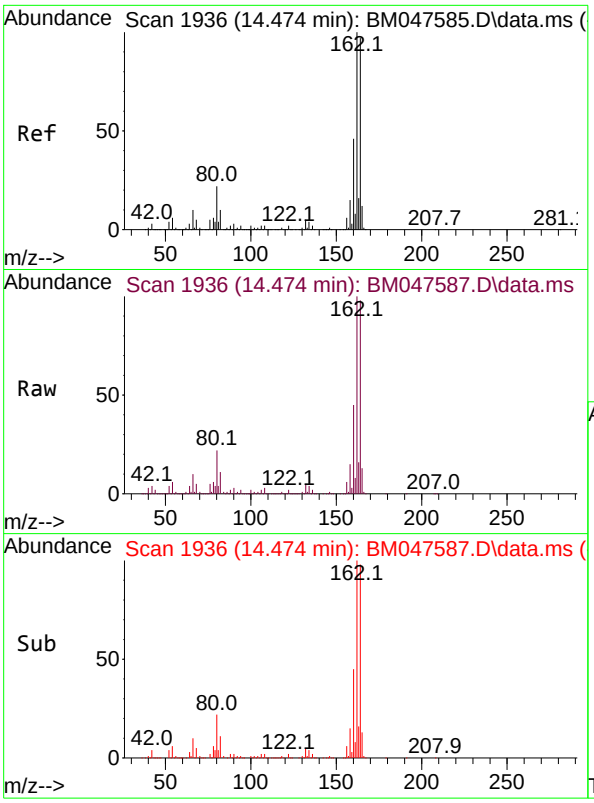


#38
1-Methylnaphthalene
Concen: 63.079 ng
RT: 12.521 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:142 Resp: 2370809

Ion	Ratio	Lower	Upper
142	100		
141	92.1	75.3	112.9
116	4.1	3.0	4.4

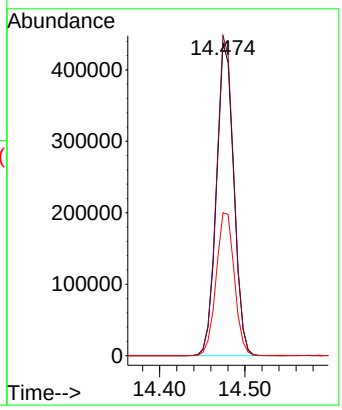




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:164 Resp: 61737

Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	45.7	37.8	56.6



Instrument :
BNA_M
ClientSampleId :
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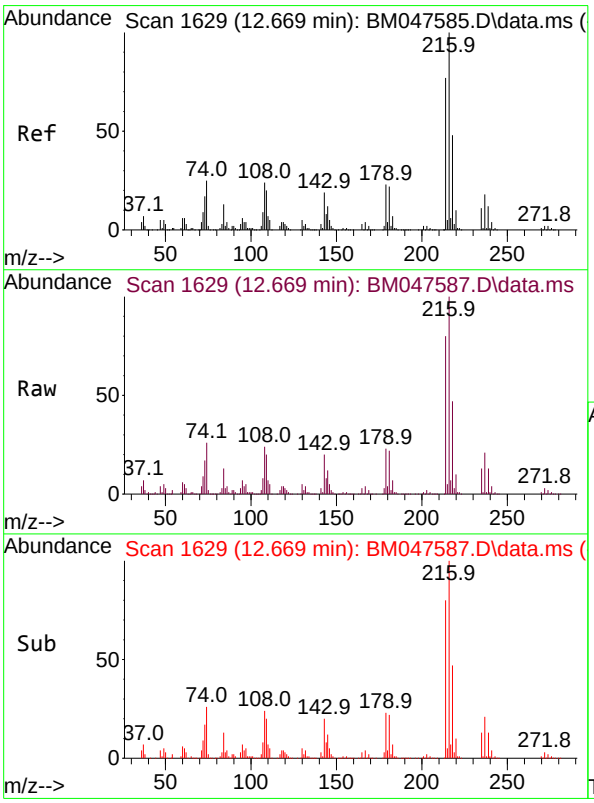
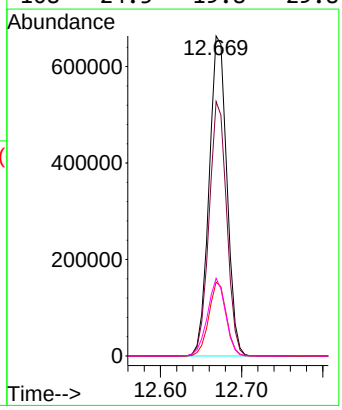
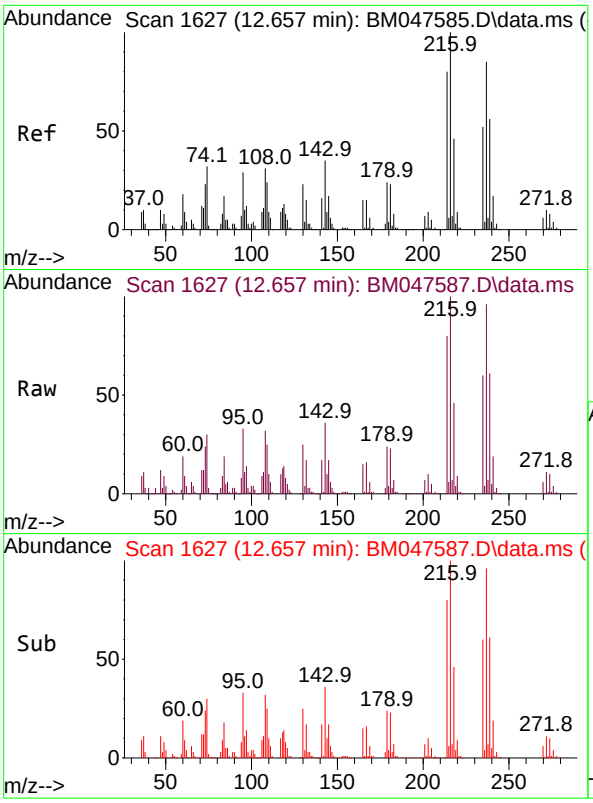


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.694 ng
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:216 Resp: 1005130

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.8	94.2
179	22.8	18.5	27.7
108	24.5	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 62.234 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:237 Resp: 33475

Ion	Ratio	Lower	Upper
237	100		
235	62.4	41.2	81.2
272	12.0	0.0	32.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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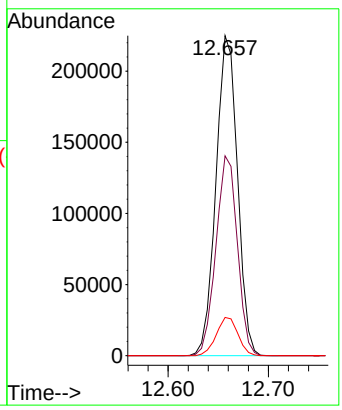
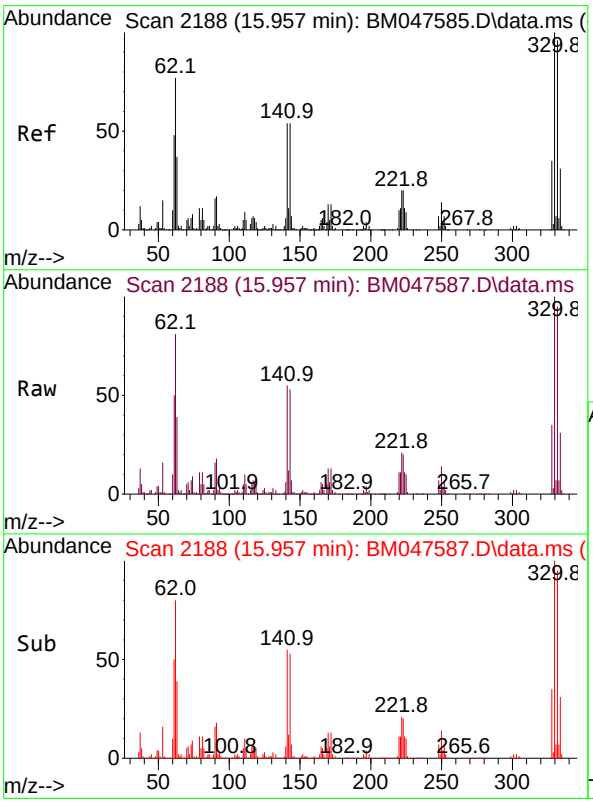
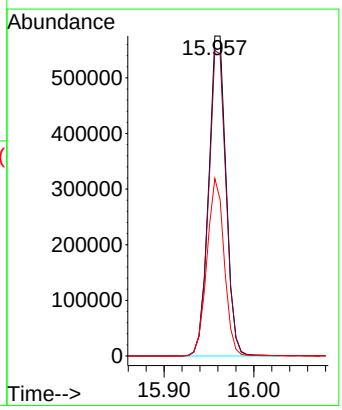


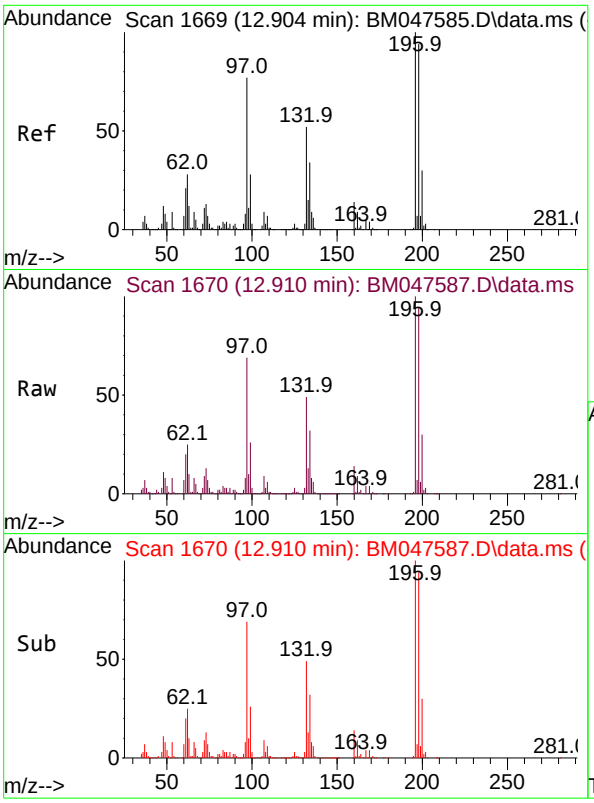


#42
2,4,6-Tribromophenol
Concen: 135.867 ng
RT: 15.957 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:330 Resp: 776715

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.4
141	55.0	45.9	68.9

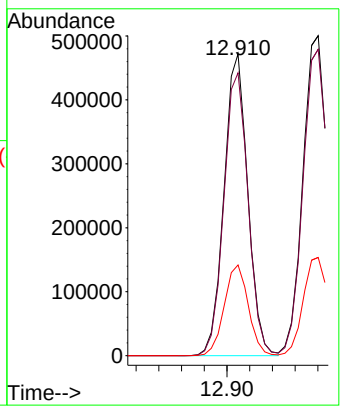




#43
2,4,6-Trichlorophenol
Concen: 64.762 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:196 Resp: 68573

Ion	Ratio	Lower	Upper
196	100		
198	93.7	75.5	113.3
200	30.1	24.3	36.5



Instrument :
BNA_M
ClientSampleId :
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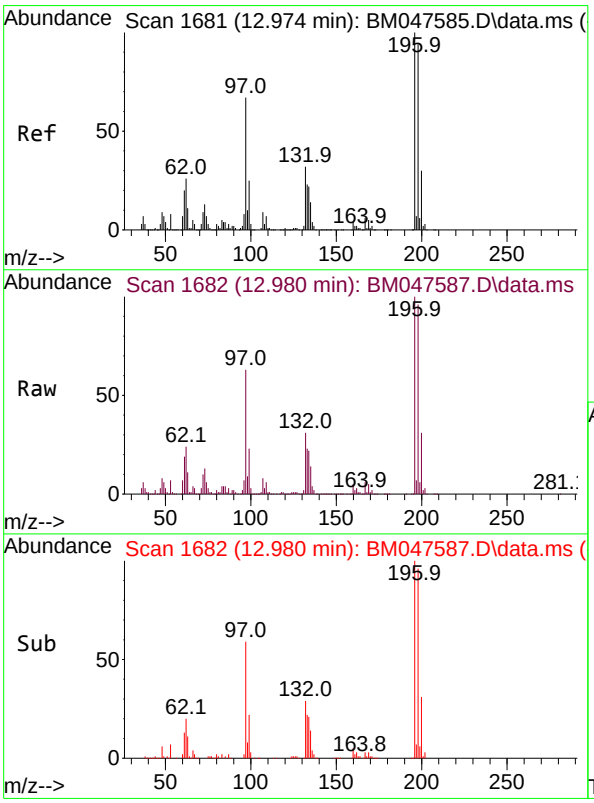
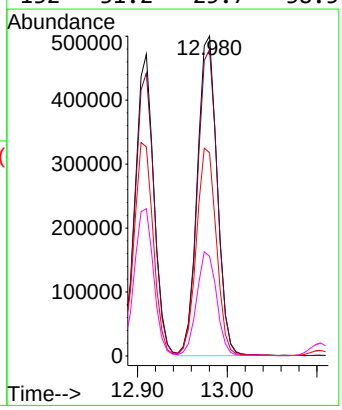
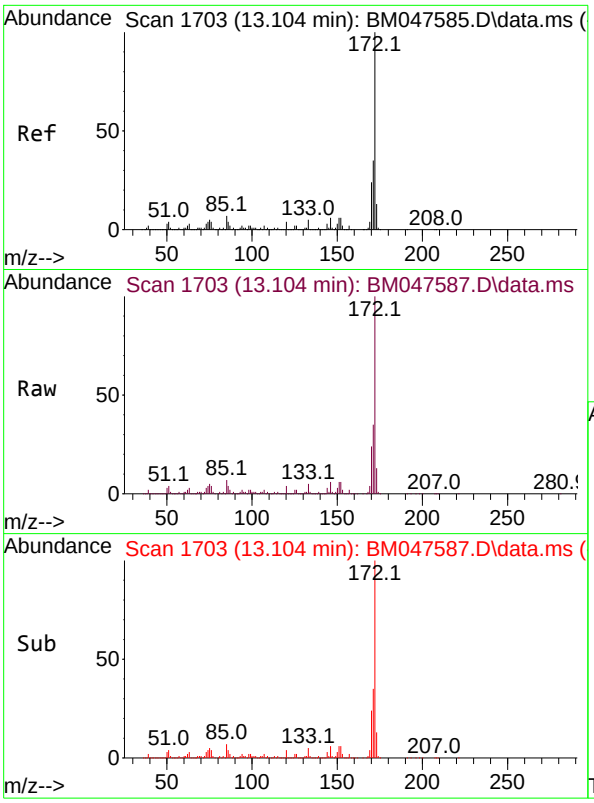


#44
2,4,5-Trichlorophenol
Concen: 64.402 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:196 Resp: 766503

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.5	113.3
97	63.5	53.5	80.3
132	31.2	25.7	38.5

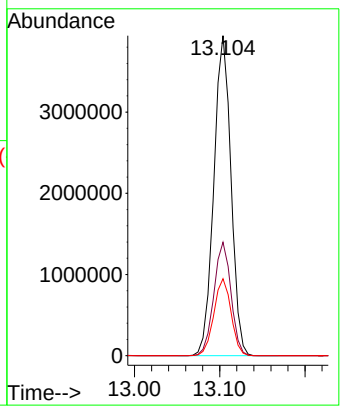




#45
2-Fluorobiphenyl
Concen: 126.262 ng
RT: 13.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:172 Resp: 550905

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	24.1	19.0	28.6



Instrument :
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ClientSampleId :
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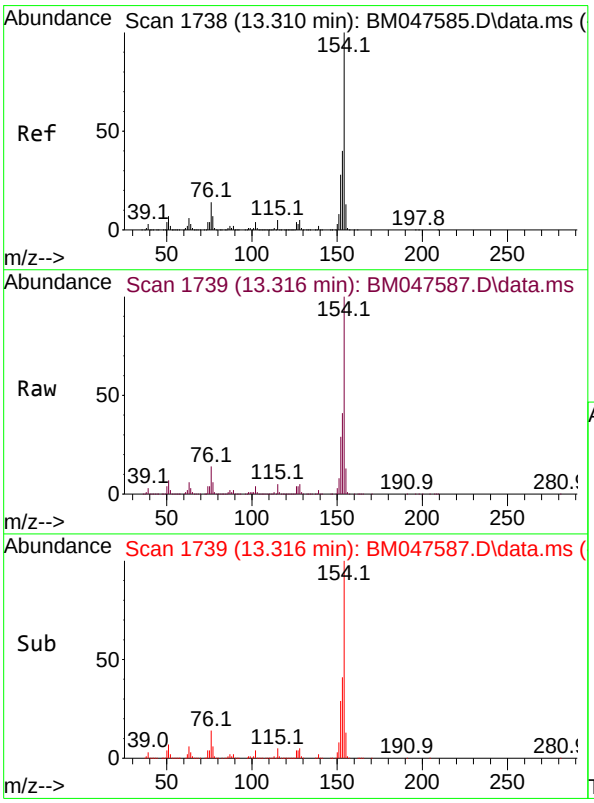
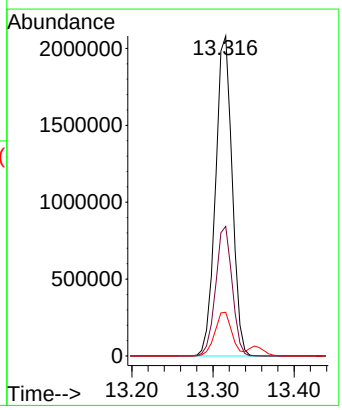
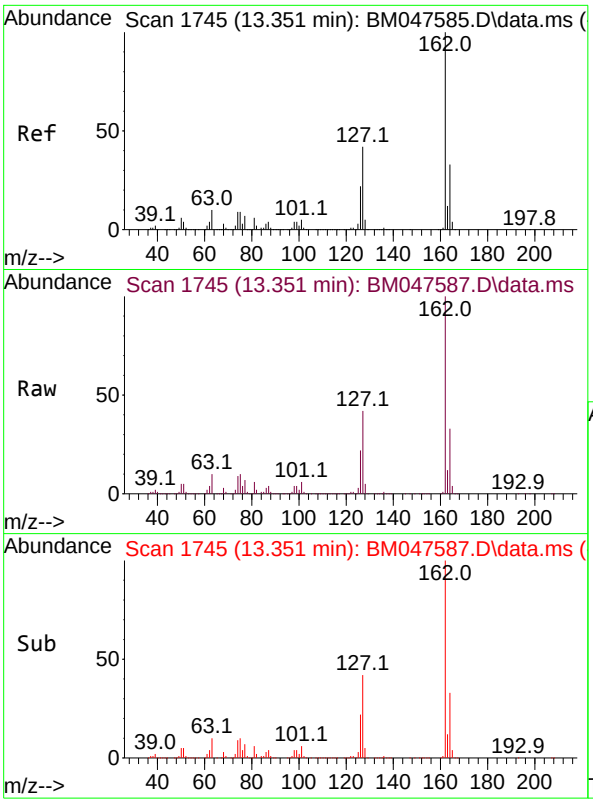


#46
1,1'-Biphenyl
Concen: 62.059 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:154 Resp: 2958896

Ion	Ratio	Lower	Upper
154	100		
153	40.5	19.9	59.9
76	13.7	0.0	34.5

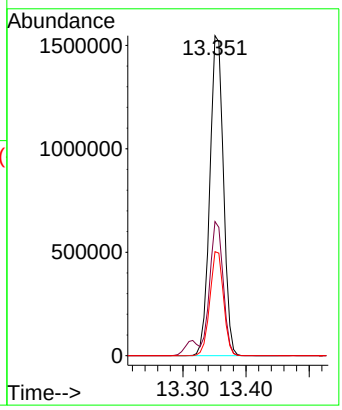




#47
2-Chloronaphthalene
Concen: 61.896 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:162 Resp: 230913

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.8	50.6
164	32.5	26.2	39.4



Instrument :
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ClientSampleId :
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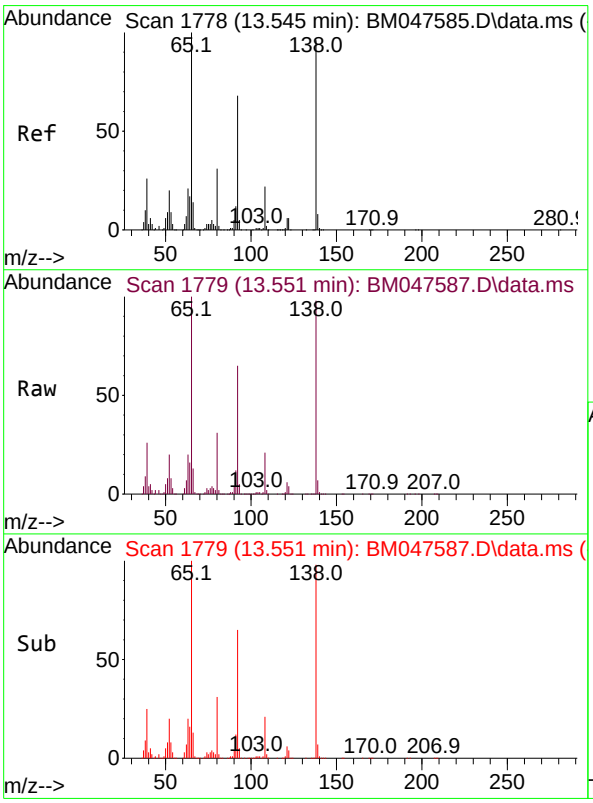
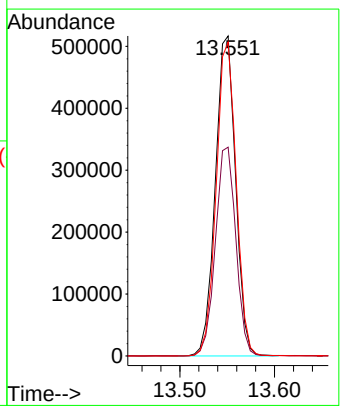
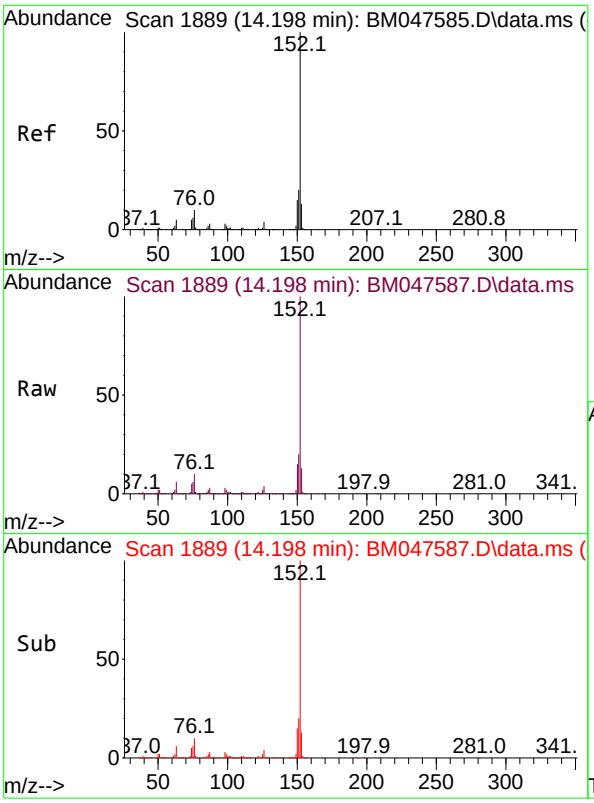


#48
2-Nitroaniline
Concen: 68.985 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 65 Resp: 768657

Ion	Ratio	Lower	Upper
65	100		
92	65.3	54.2	81.4
138	98.1	76.6	114.8

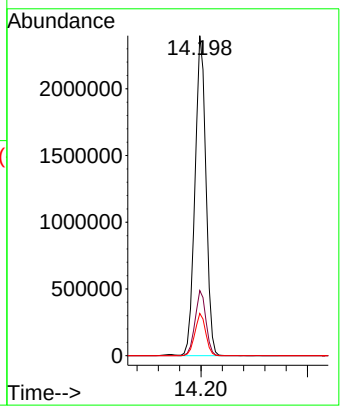




#49
Acenaphthylene
Concen: 63.431 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:152 Resp: 340540

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.2	10.4	15.6



Instrument :
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ClientSampleId :
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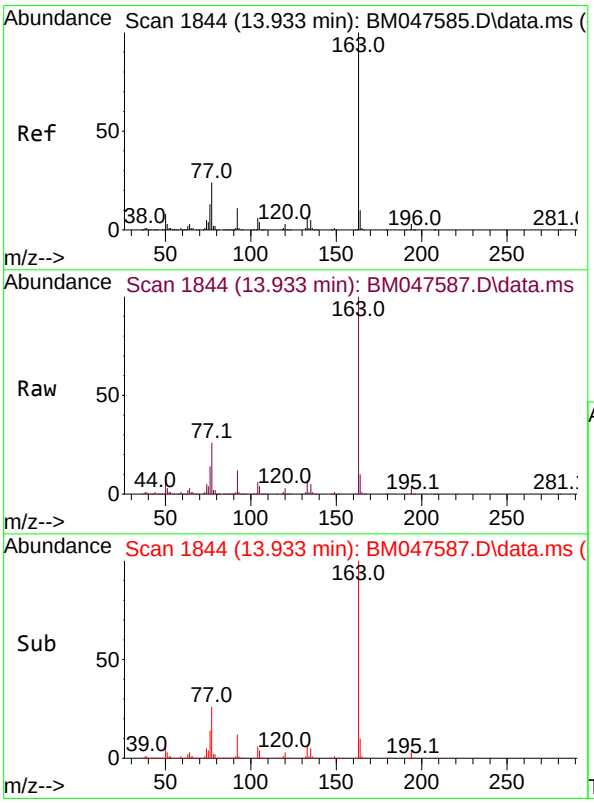
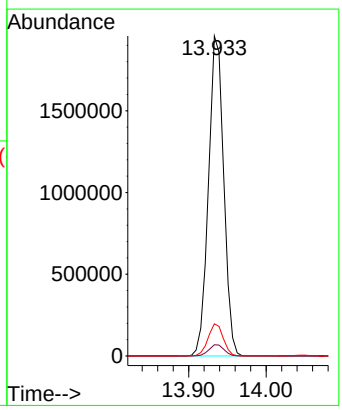
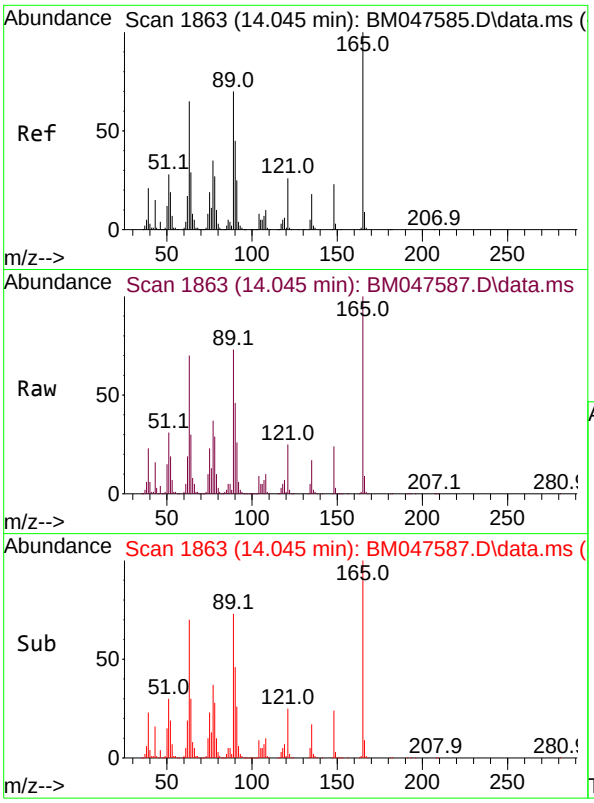


#50
Dimethylphthalate
Concen: 62.762 ng
RT: 13.933 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:163 Resp: 2675369

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.1	8.2	12.2

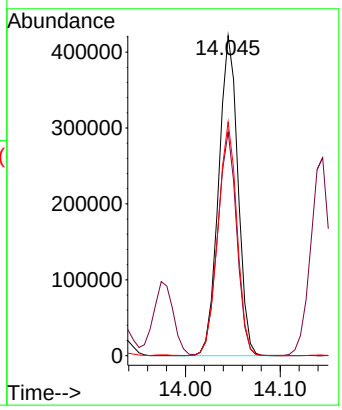




#51
2,6-Dinitrotoluene
Concen: 66.726 ng
RT: 14.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:165 Resp: 59592

Ion	Ratio	Lower	Upper
165	100		
63	69.9	53.0	79.6
89	73.0	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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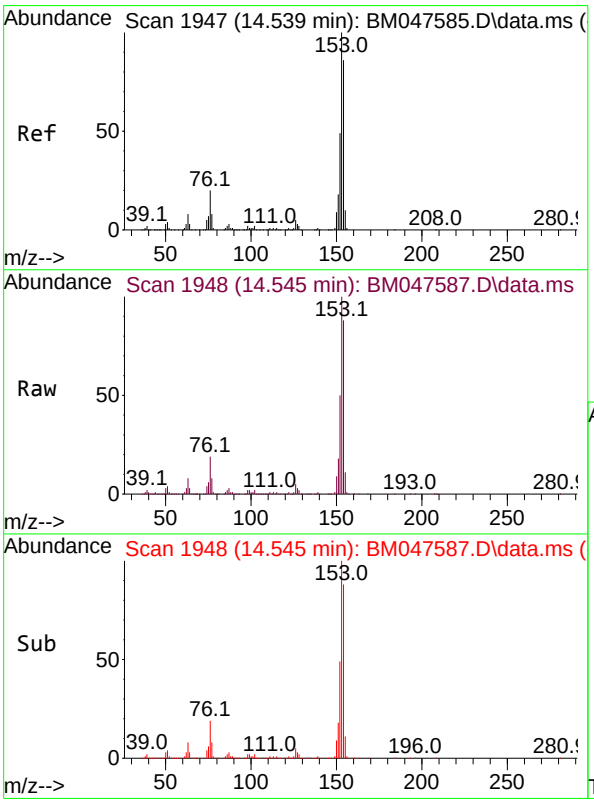
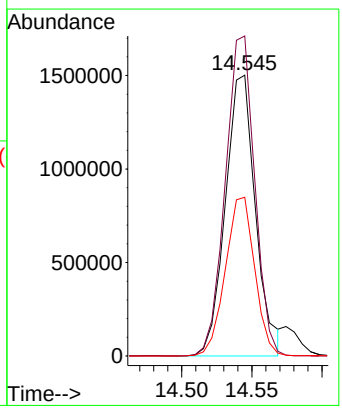
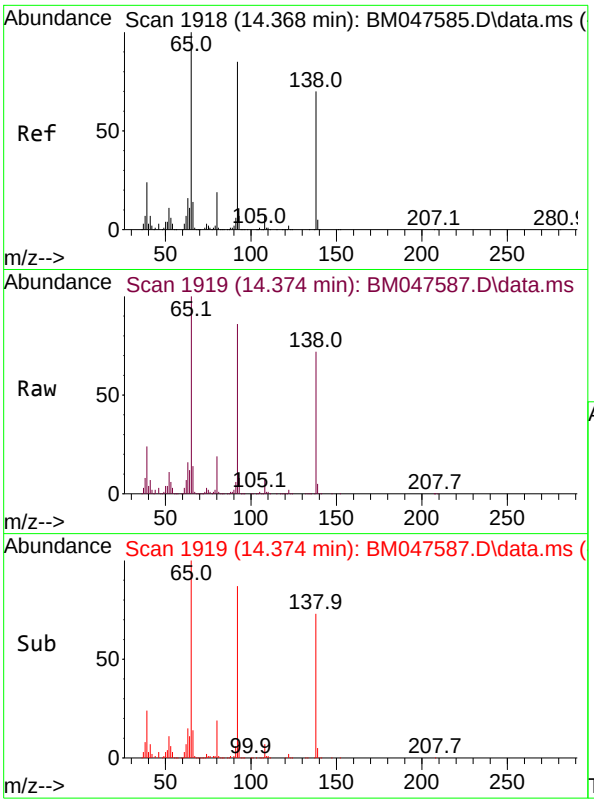


#52
Acenaphthene
Concen: 63.453 ng m
RT: 14.545 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:154 Resp: 2251023

Ion	Ratio	Lower	Upper
154	100		
153	114.0	92.8	139.2
152	56.5	45.7	68.5

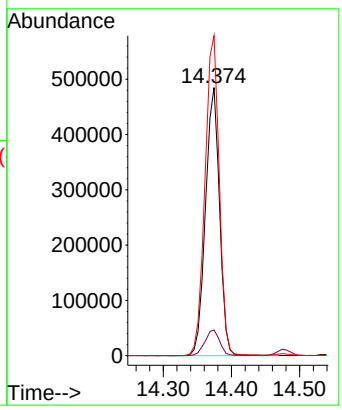




#53
3-Nitroaniline
Concen: 67.863 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:138 Resp: 69512

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.3	12.5
92	119.3	97.0	145.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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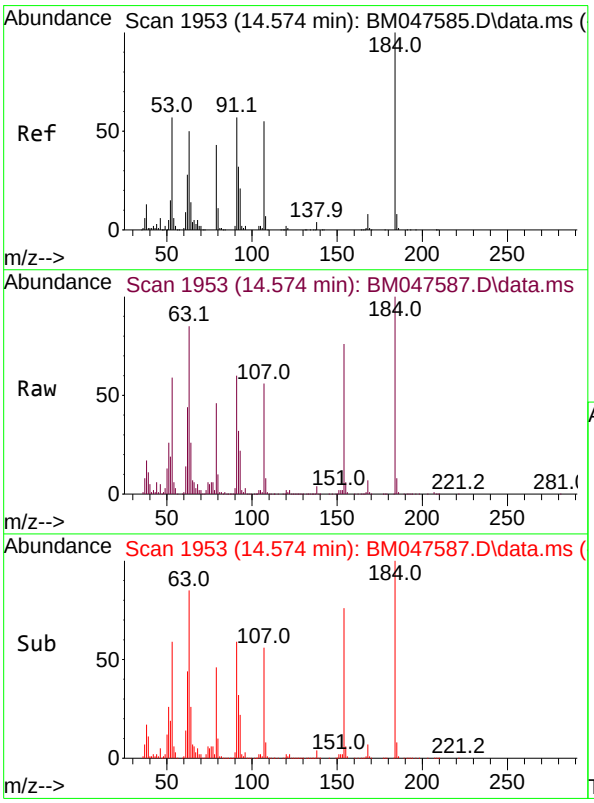
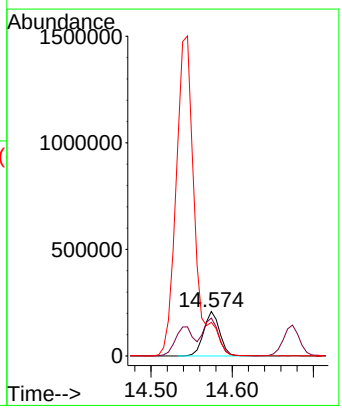
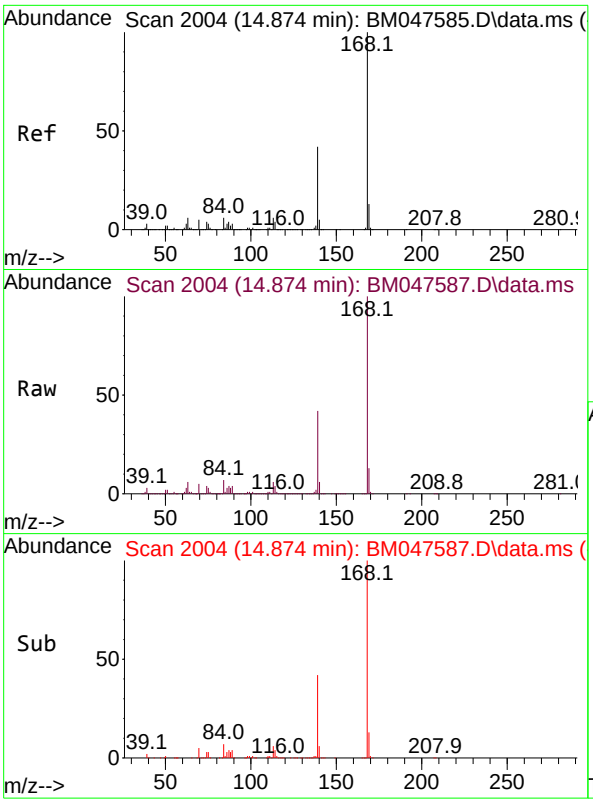


#54
2,4-Dinitrophenol
Concen: 70.352 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:184 Resp: 284832

Ion	Ratio	Lower	Upper
184	100		
63	85.5	69.0	103.6
154	75.5	59.7	89.5

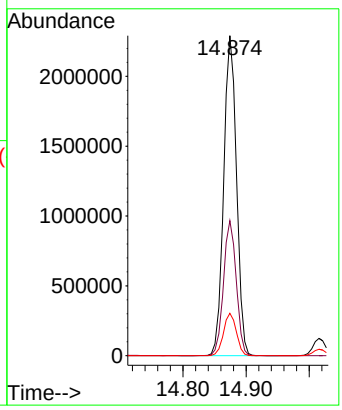




#55
Dibenzofuran
Concen: 62.343 ng
RT: 14.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:168 Resp: 323122

Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.4	50.2
169	13.3	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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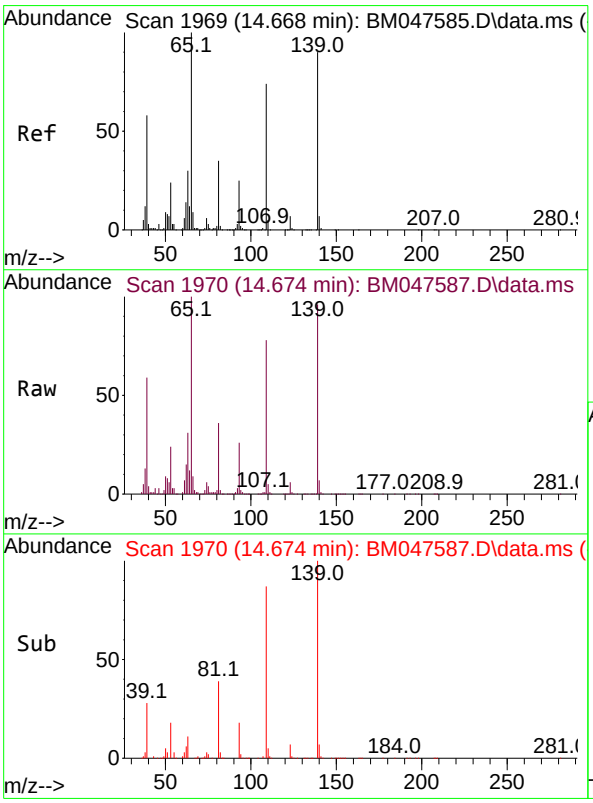
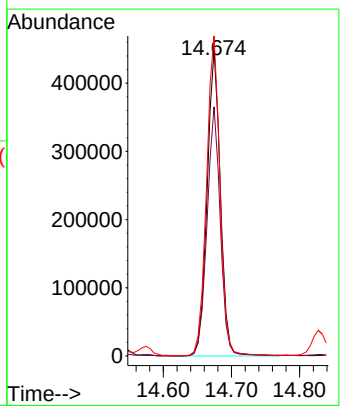
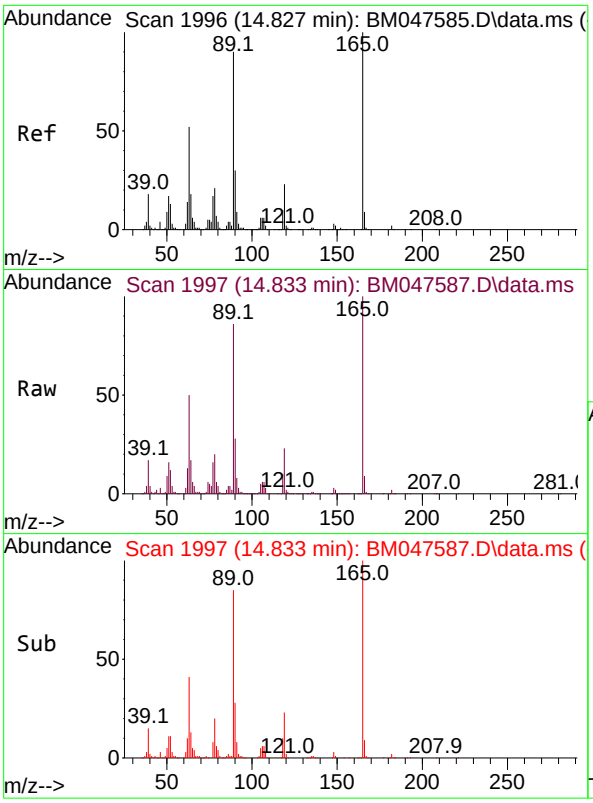


#56
4-Nitrophenol
Concen: 69.450 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:139 Resp: 609575

Ion	Ratio	Lower	Upper
139	100		
109	81.5	63.1	103.1
65	104.6	91.8	131.8

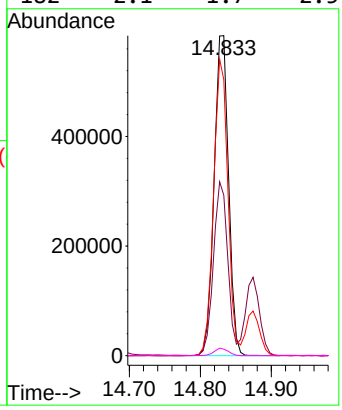




#57
2,4-Dinitrotoluene
Concen: 69.078 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:165 Resp: 82206

Ion	Ratio	Lower	Upper
165	100		
63	50.1	41.6	62.4
89	86.3	71.7	107.5
182	2.1	1.7	2.5



Instrument :
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ClientSampleId :
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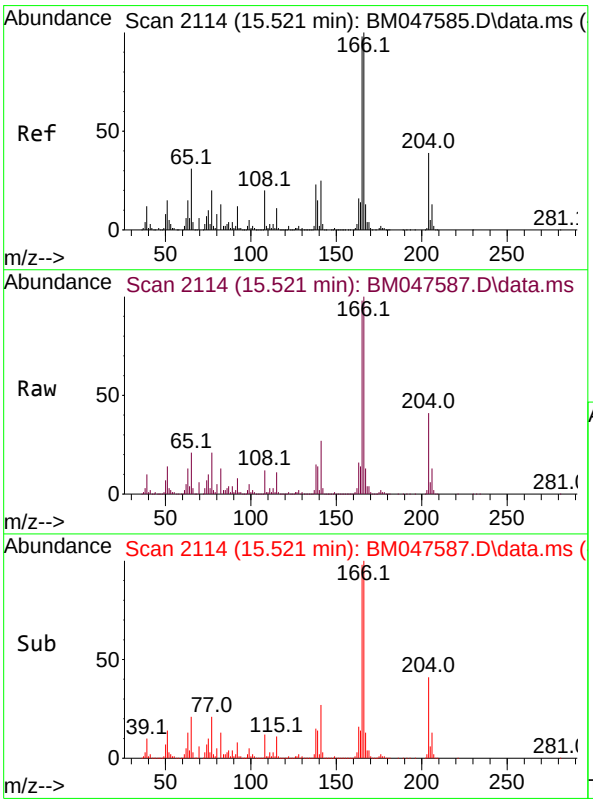
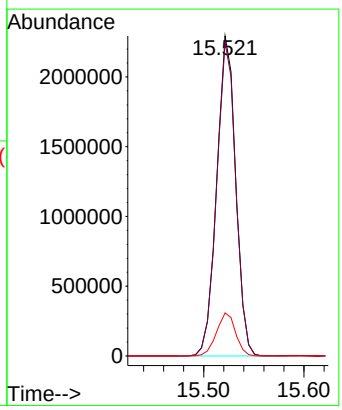
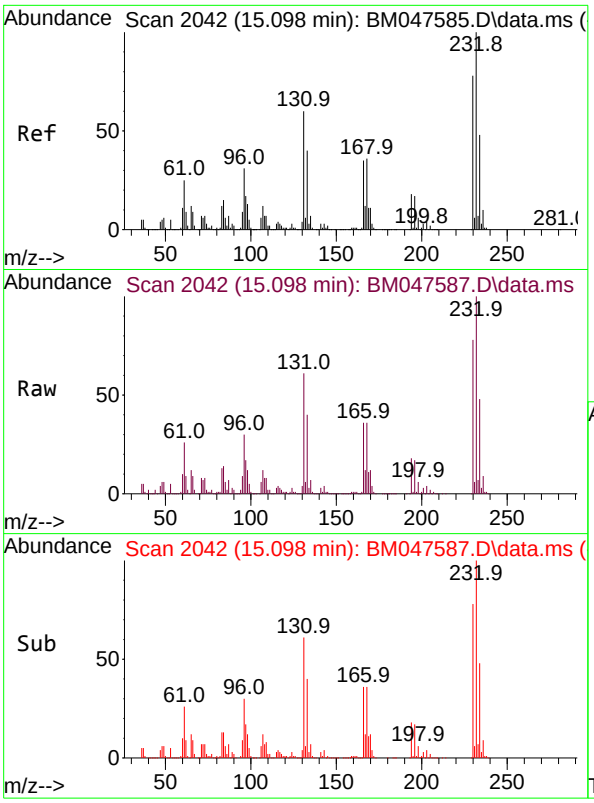


#58
Fluorene
Concen: 65.786 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:166 Resp: 3017679

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.4	117.6
167	13.4	10.5	15.7

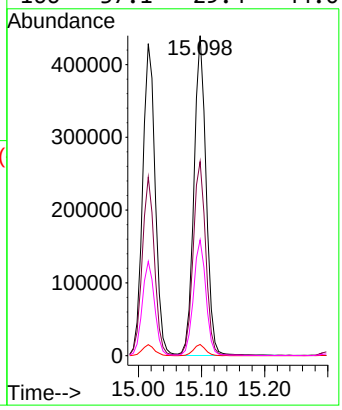




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.646 ng
RT: 15.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:232 Resp: 588139

Ion	Ratio	Lower	Upper
232	100		
131	62.7	50.3	75.5
130	3.5	3.0	4.4
166	37.1	29.4	44.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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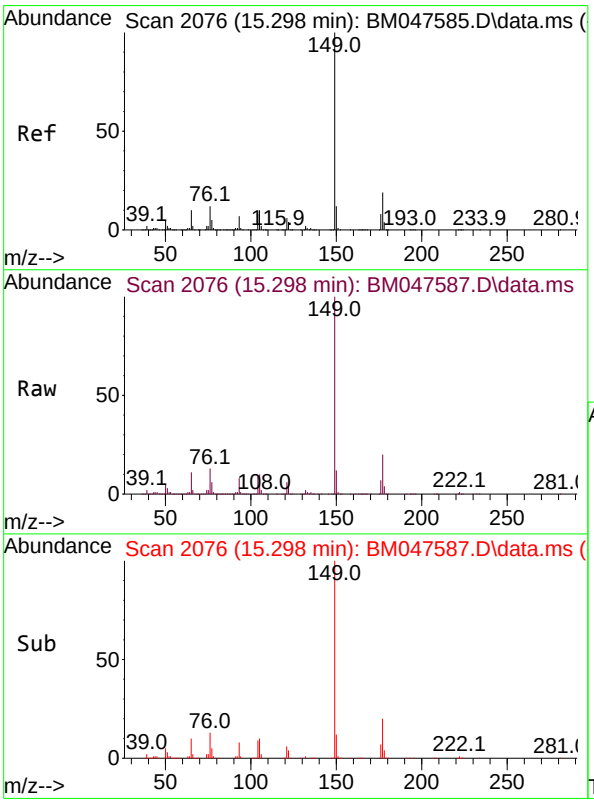
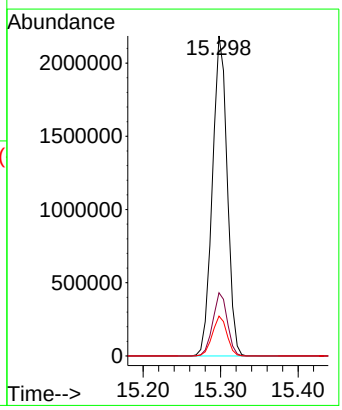
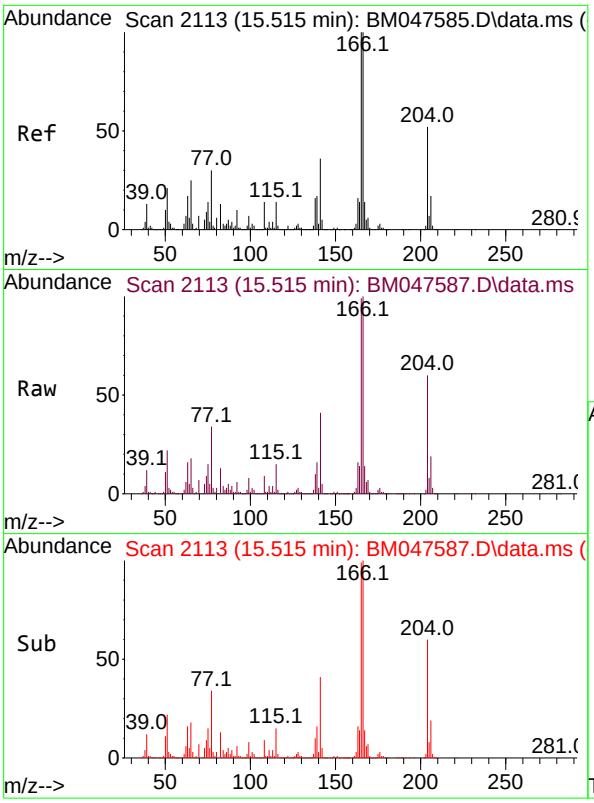


#60
Diethylphthalate
Concen: 63.634 ng
RT: 15.298 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:149 Resp: 2891852

Ion	Ratio	Lower	Upper
149	100		
177	19.7	15.4	23.0
150	12.5	9.4	14.0





#61
4-Chlorophenyl-phenylether
Concen: 65.596 ng
RT: 15.515 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 131475

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.2
141	67.9	55.3	82.9

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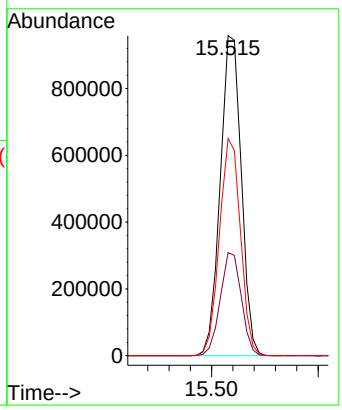
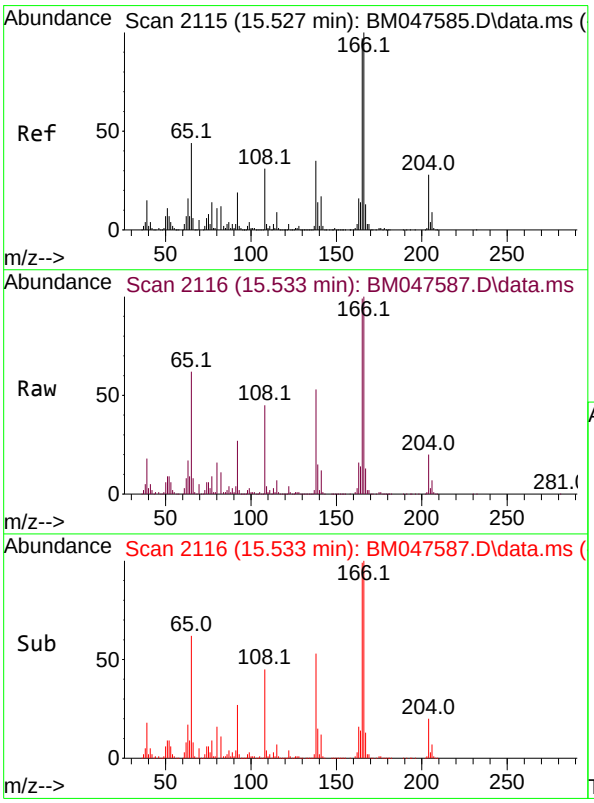
Supervised By :mohammad ahmed 09/24/2024

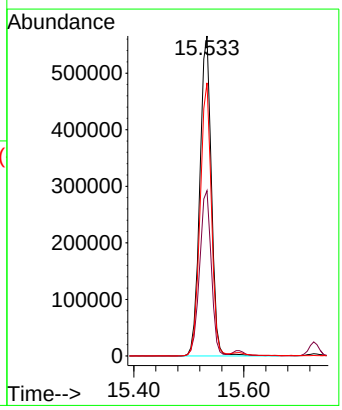


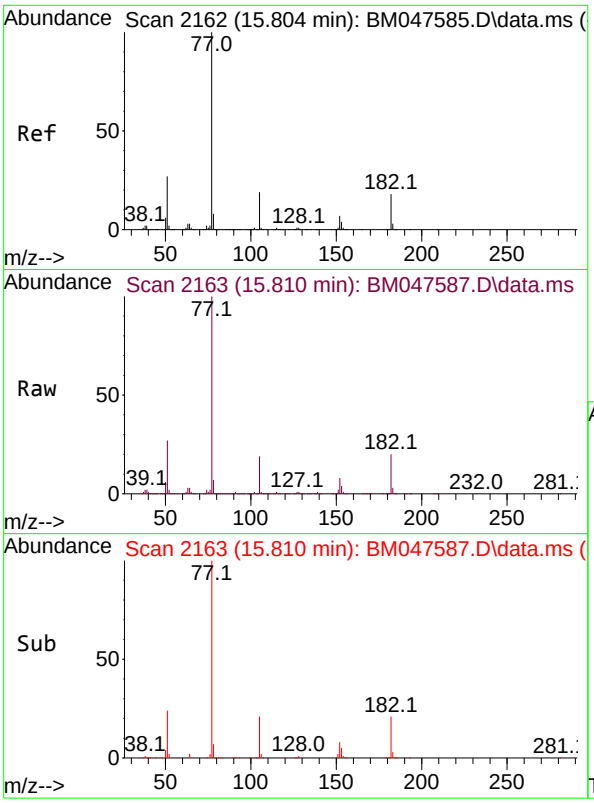


#62
4-Nitroaniline
Concen: 71.584 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:138 Resp: 826172

Ion	Ratio	Lower	Upper
138	100		
92	51.6	33.3	73.3
108	85.4	66.2	106.2

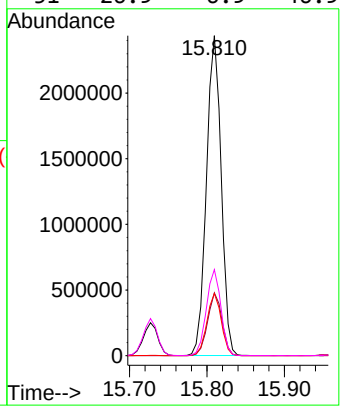




#63
Azobenzene
Concen: 64.698 ng
RT: 15.810 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion: 77 Resp: 321436

Ion	Ratio	Lower	Upper
77	100		
182	19.7	0.0	38.2
105	19.5	0.0	38.8
51	26.9	6.9	46.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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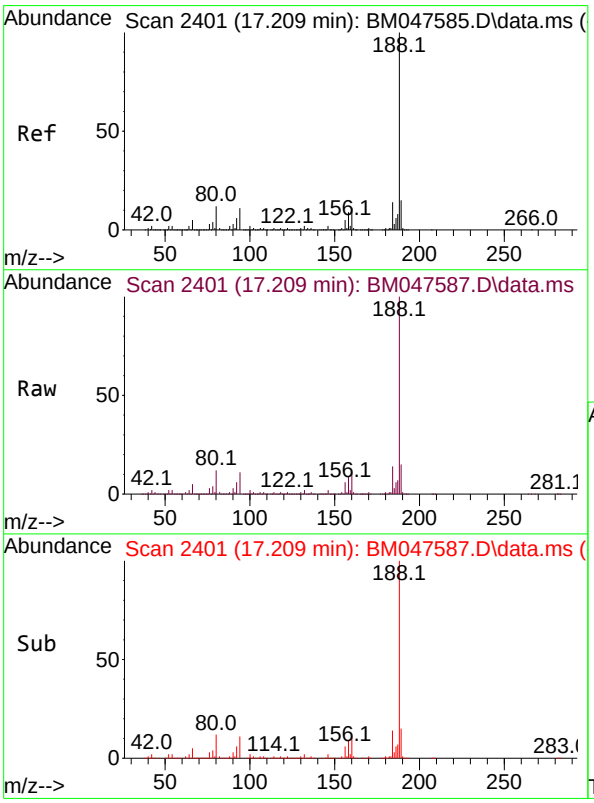
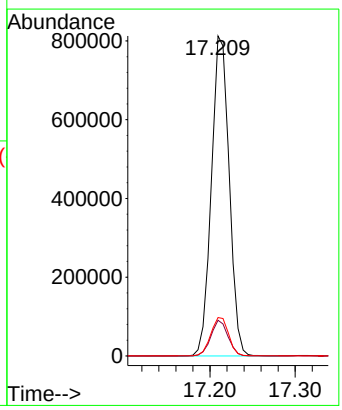
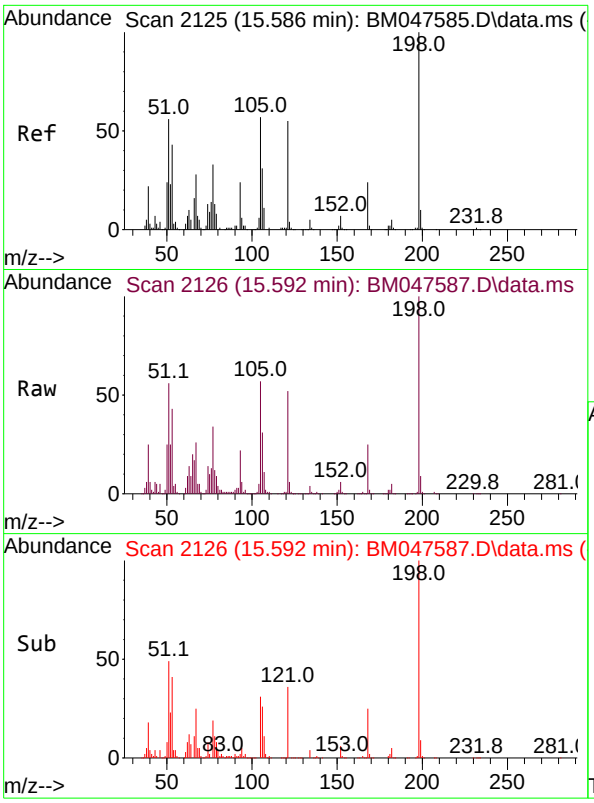


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:188 Resp: 1179348

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.6	13.0
80	12.0	9.9	14.9





#65
4,6-Dinitro-2-methylphenol
Concen: 68.380 ng
RT: 15.592 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:198 Resp: 38212

Ion	Ratio	Lower	Upper
198	100		
51	55.8	38.2	78.2
105	57.1	38.0	78.0

Instrument :
BNA_M
ClientSampleId :
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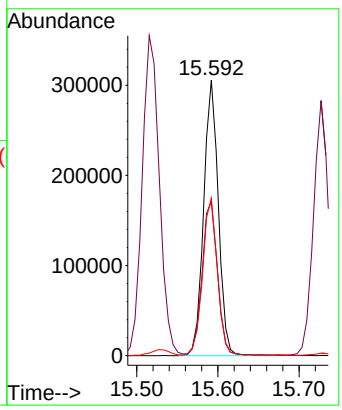
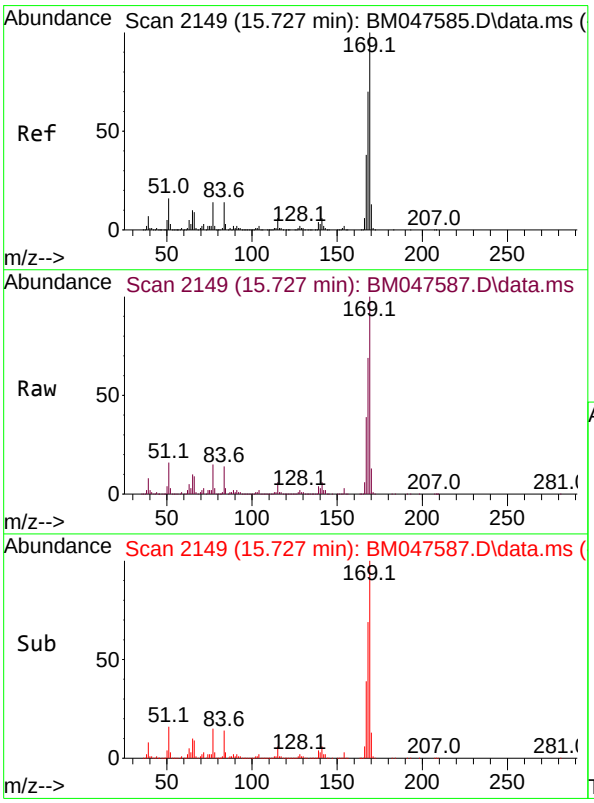
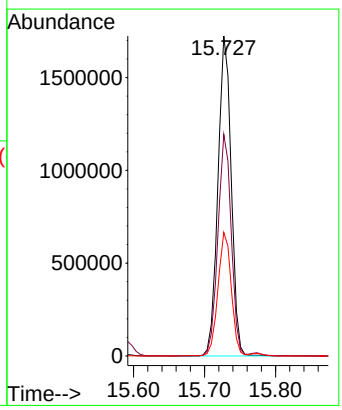


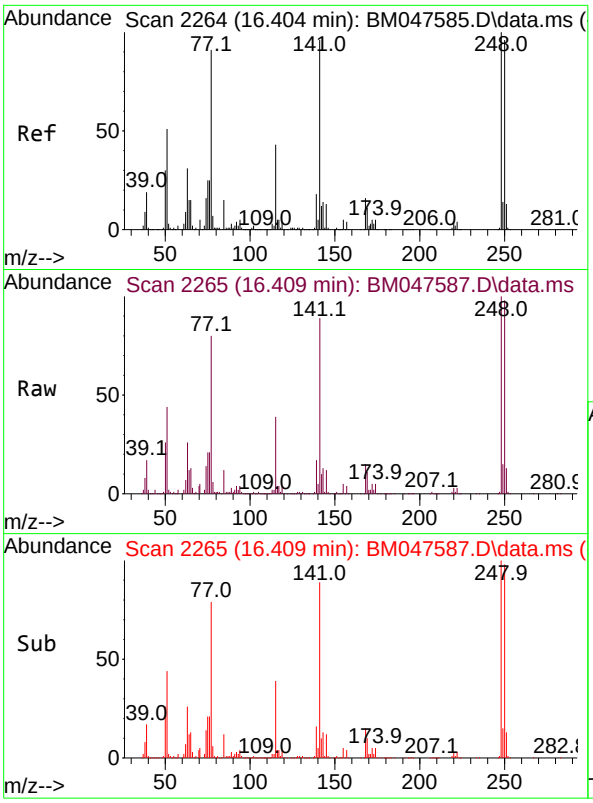


#66
n-Nitrosodiphenylamine
Concen: 63.278 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:169 Resp: 2228886

Ion	Ratio	Lower	Upper
169	100		
168	69.2	55.8	83.8
167	38.6	30.7	46.1





#67
4-Bromophenyl-phenylether
Concen: 63.723 ng
RT: 16.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 68268

Ion	Ratio	Lower	Upper
248	100		
250	98.0	76.7	115.1
141	88.7	76.7	115.1

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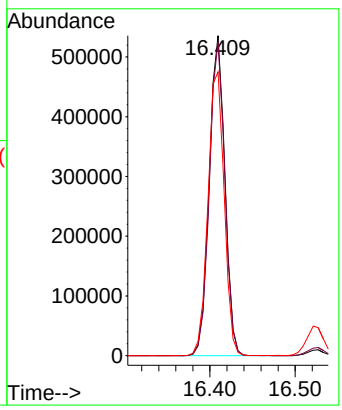
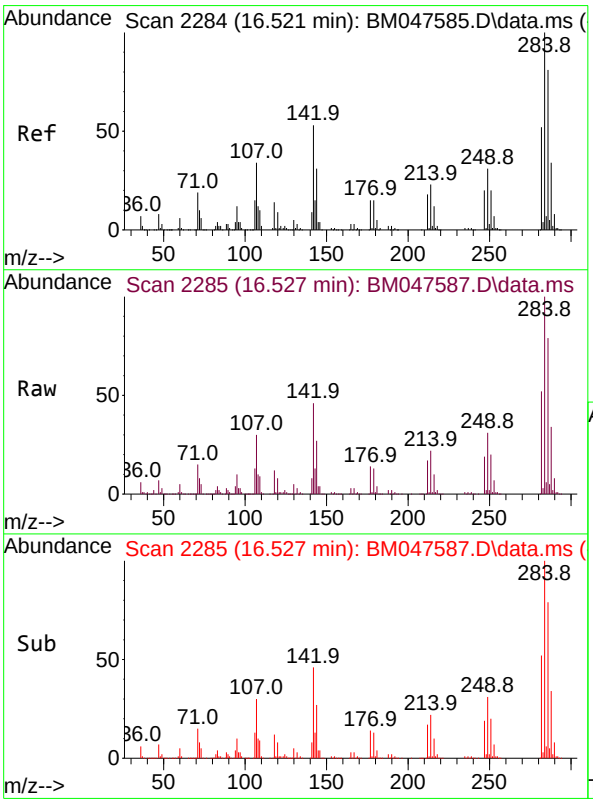
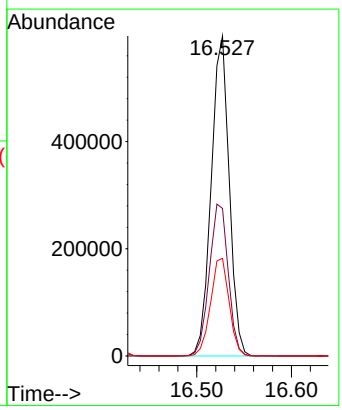


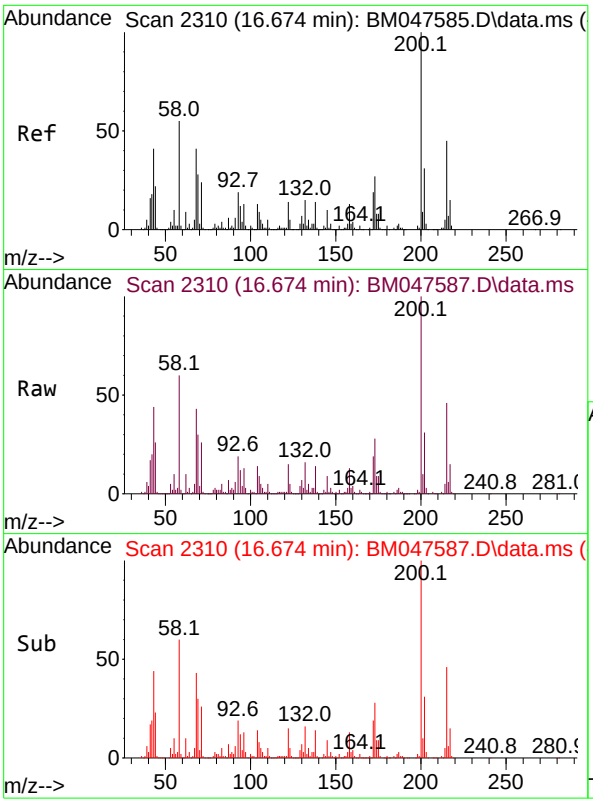


#68
Hexachlorobenzene
Concen: 62.820 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:284 Resp: 786779

Ion	Ratio	Lower	Upper
284	100		
142	46.1	42.5	63.7
249	30.5	25.0	37.6

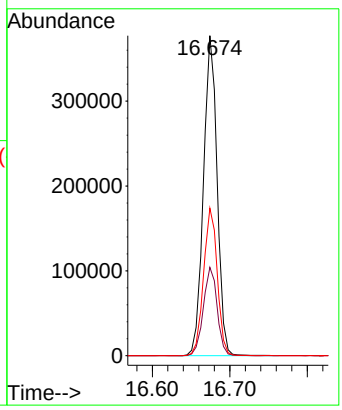




#69
Atrazine
Concen: 54.364 ng
RT: 16.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:200 Resp: 46099

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.4	47.4
215	46.1	24.5	64.5



Instrument :
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ClientSampleId :
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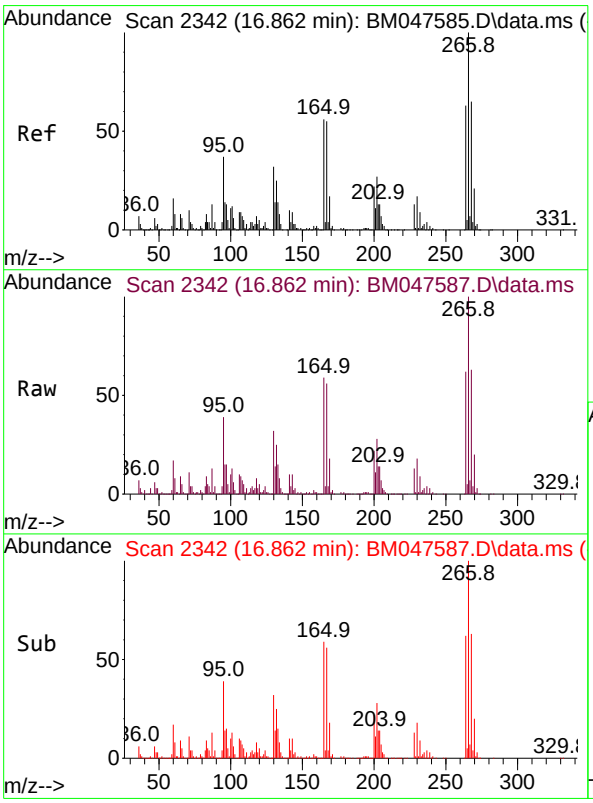
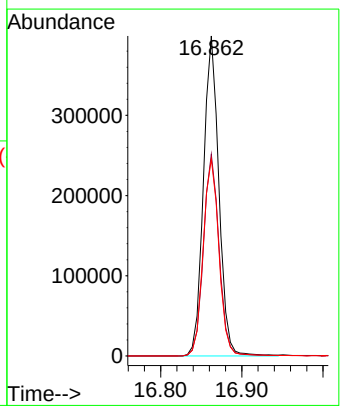
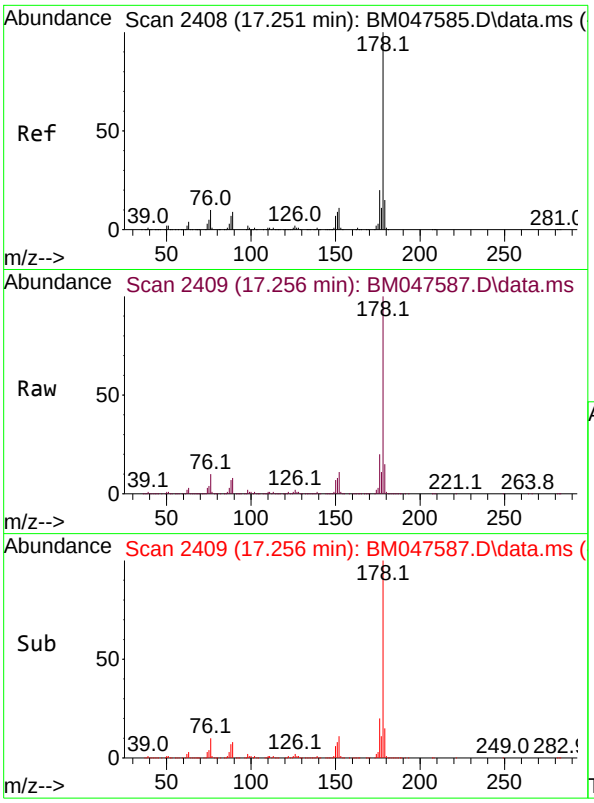


#70
Pentachlorophenol
Concen: 66.938 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:266 Resp: 526184

Ion	Ratio	Lower	Upper
266	100		
268	63.0	52.2	78.4
264	61.5	50.0	75.0

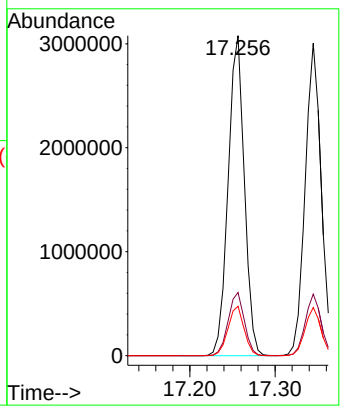




#71
Phenanthrene
Concen: 63.524 ng
RT: 17.256 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:178 Resp: 406657

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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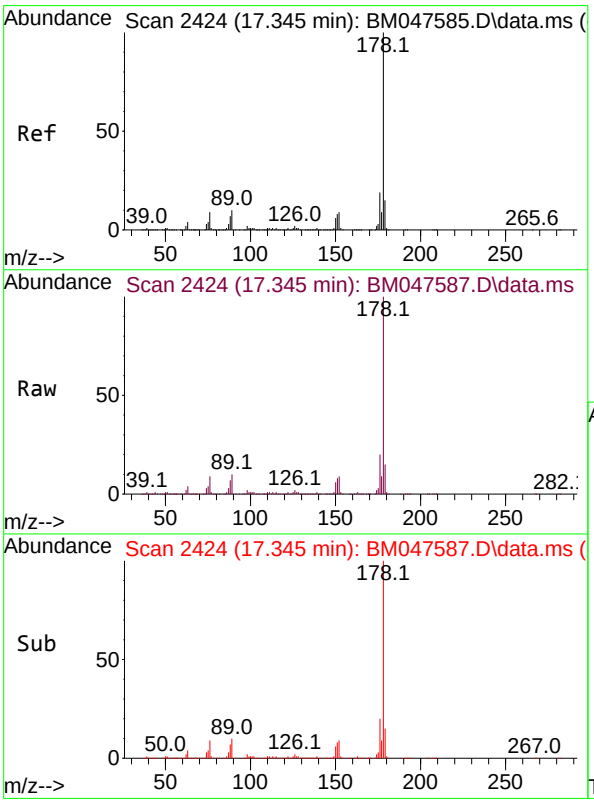
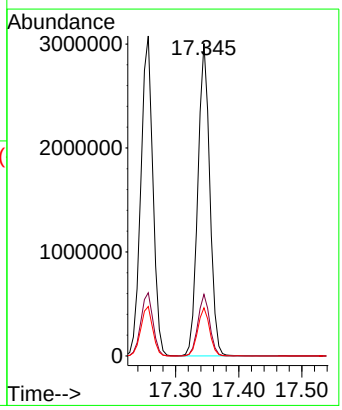
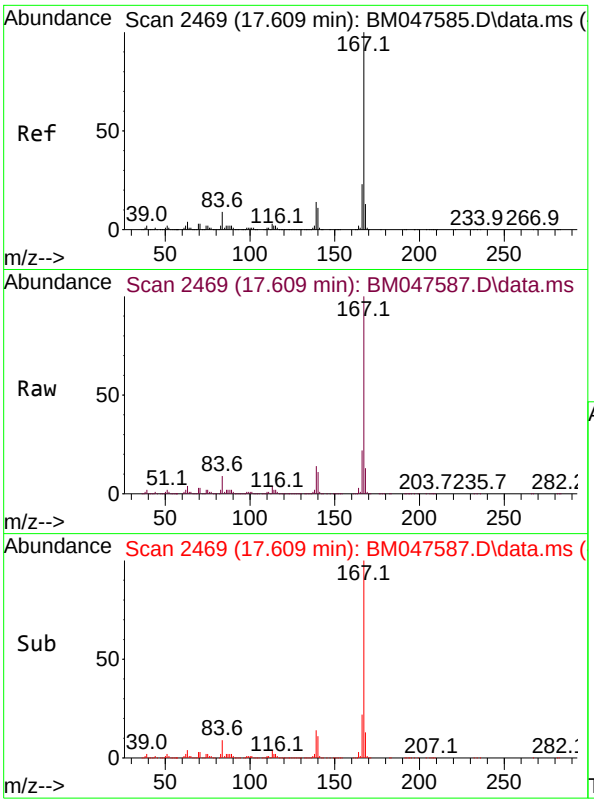


#72
Anthracene
Concen: 64.742 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:178 Resp: 3926798

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.2	18.2





#73
Carbazole
Concen: 64.555 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 407989

Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.0	27.0
139	14.3	11.3	16.9

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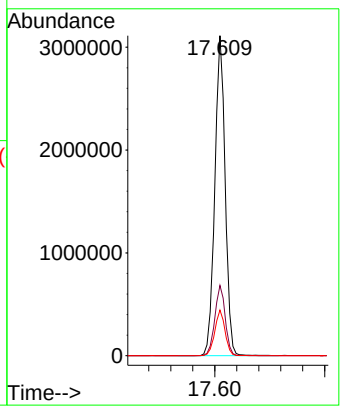
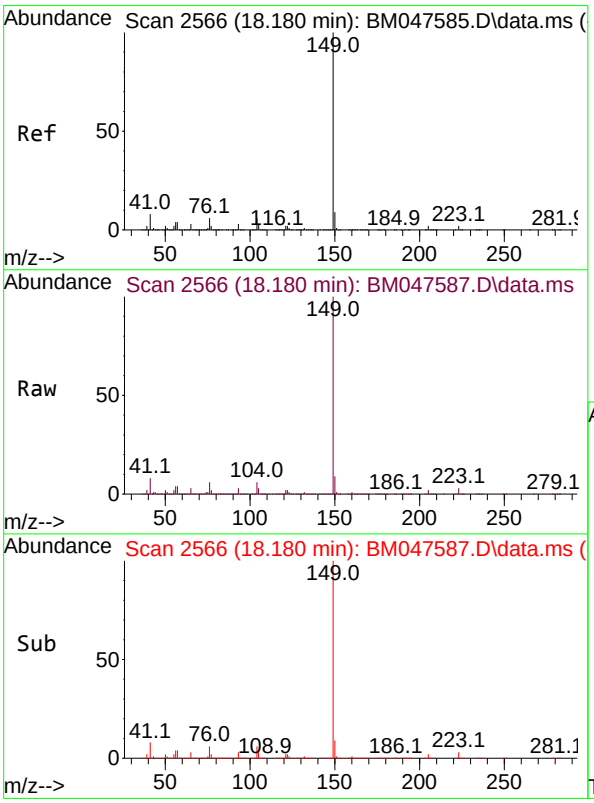
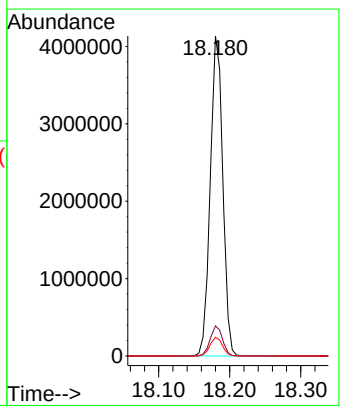


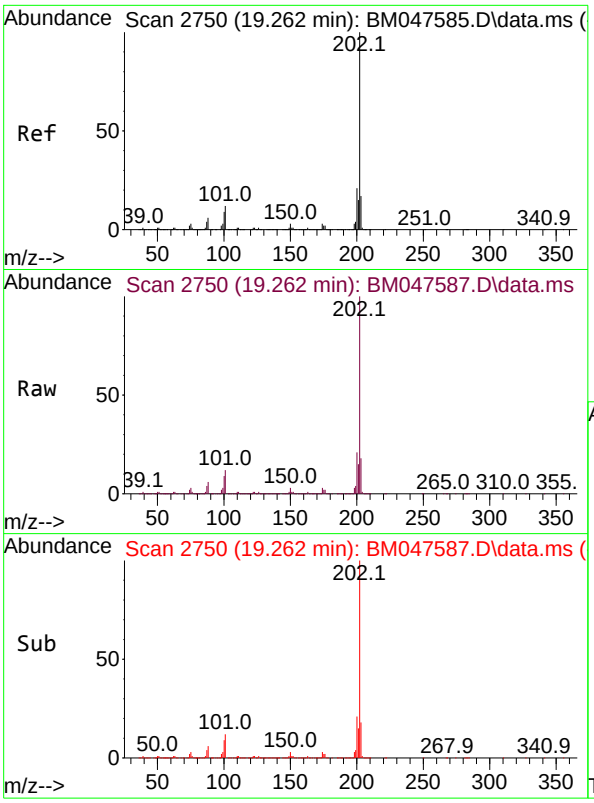


#74
Di-n-butylphthalate
Concen: 66.176 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:149 Resp: 5058681

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.9	4.7	7.1





#75
Fluoranthene
Concen: 66.870 ng
RT: 19.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:202 Resp: 471228

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.2
203	17.6	0.0	37.4

Instrument :
BNA_M
ClientSampleId :
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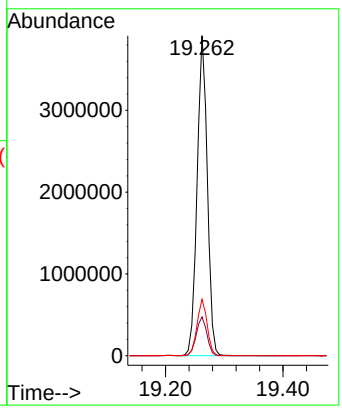
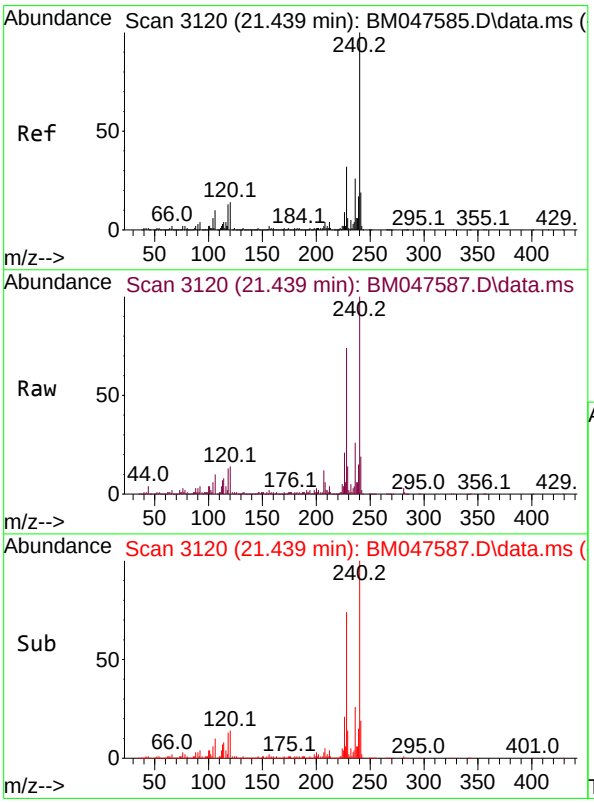
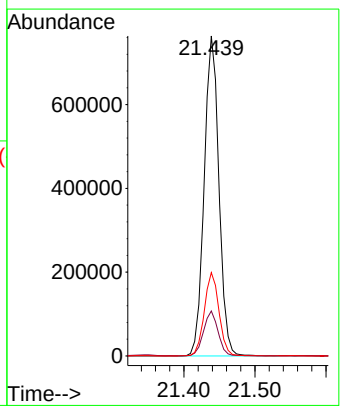


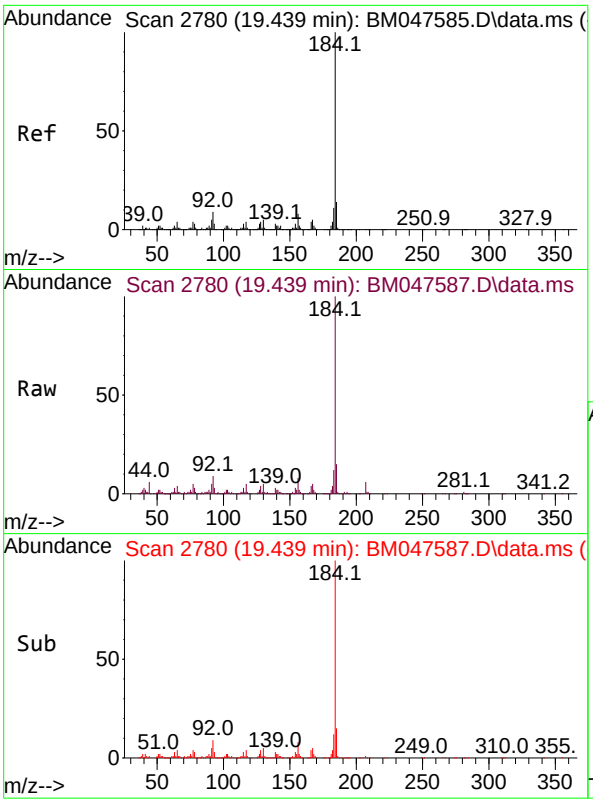


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:240 Resp: 1102922

Ion	Ratio	Lower	Upper
240	100		
120	14.1	10.8	16.2
236	26.0	20.8	31.2

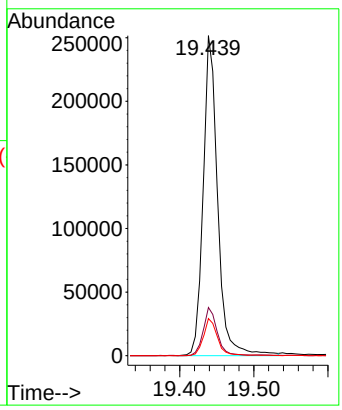




#77
Benzidine
Concen: 22.737 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:184 Resp: 34151

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.5	17.3
183	11.6	8.7	13.1



Instrument :
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ClientSampleId :
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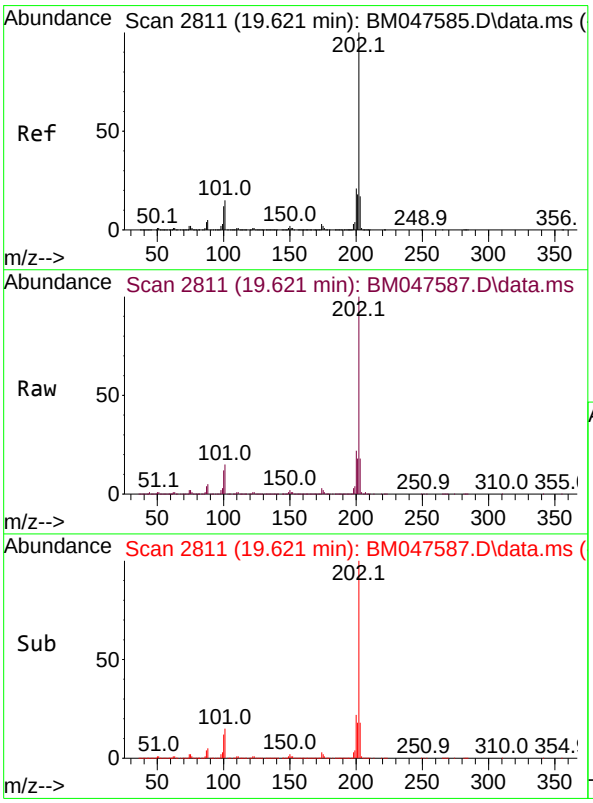
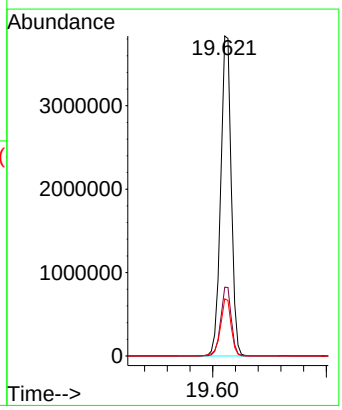
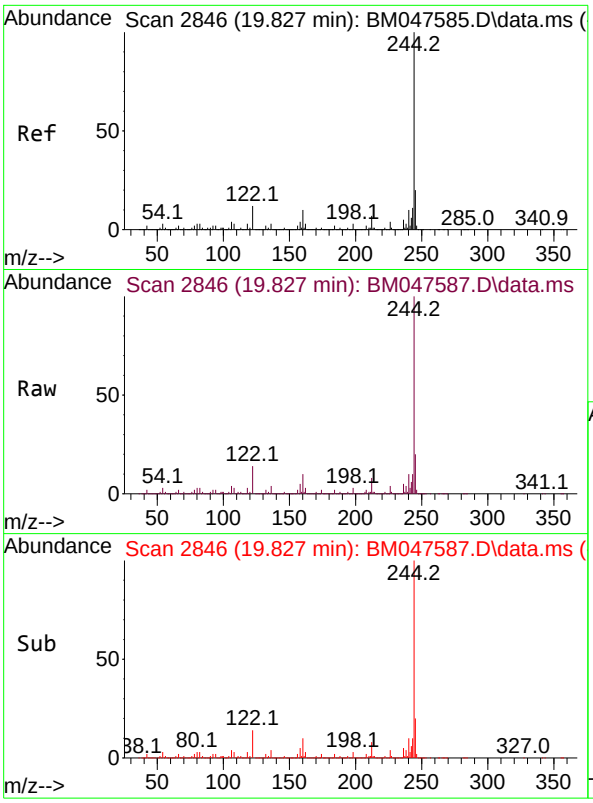


#78
Pyrene
Concen: 64.369 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:202 Resp: 4968977

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.8	13.8	20.8

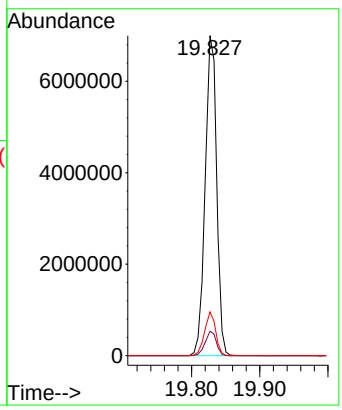




#79
Terphenyl-d14
Concen: 133.363 ng
RT: 19.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:244 Resp: 819772

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.7	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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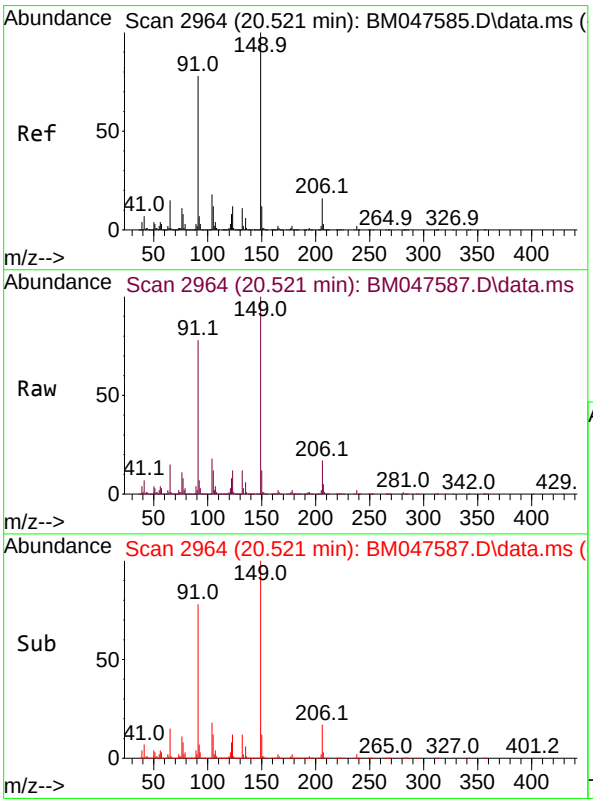
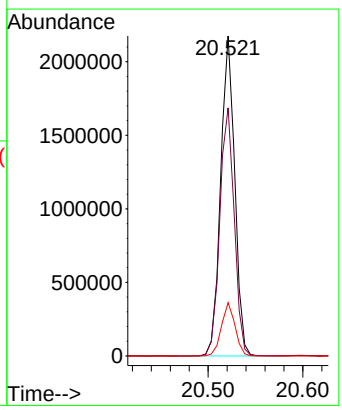
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

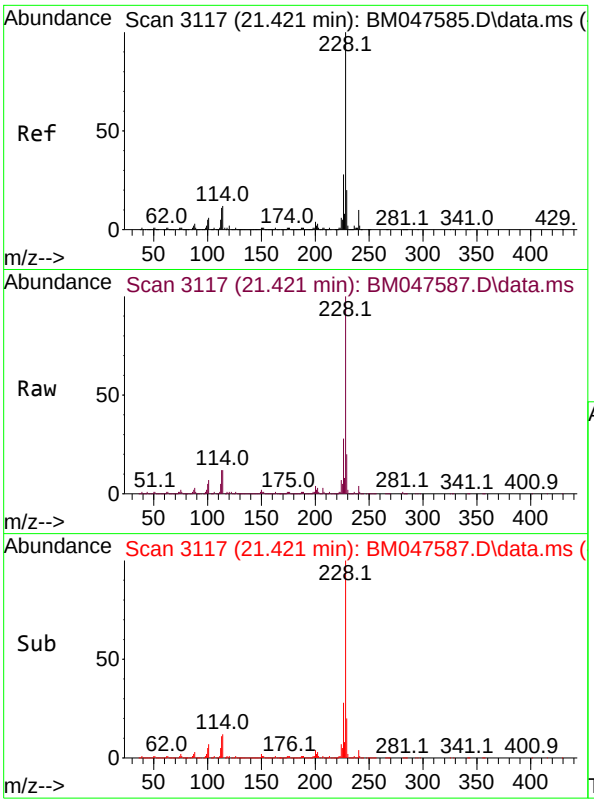


#80
Butylbenzylphthalate
Concen: 66.945 ng
RT: 20.521 min Scan# 2964
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:149 Resp: 2249743

Ion	Ratio	Lower	Upper
149	100		
91	77.5	62.3	93.5
206	16.6	13.0	19.6

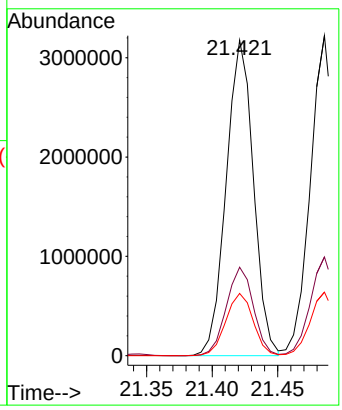




#81
Benzo(a)anthracene
Concen: 63.375 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:228 Resp: 459602

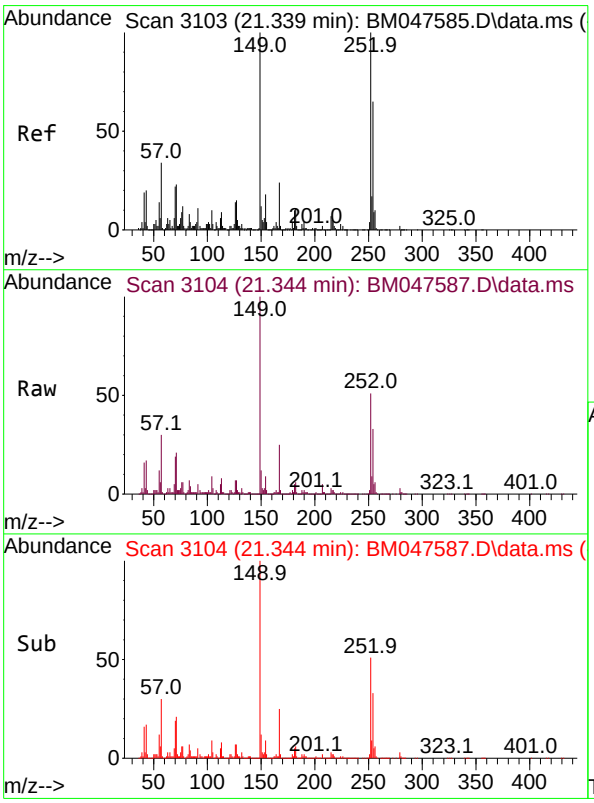
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	19.7	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

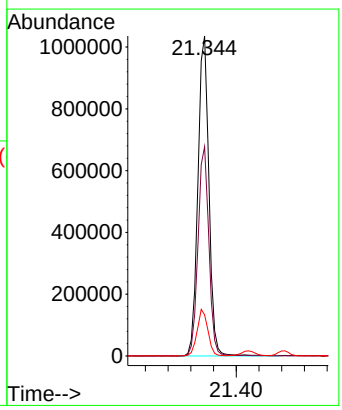
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

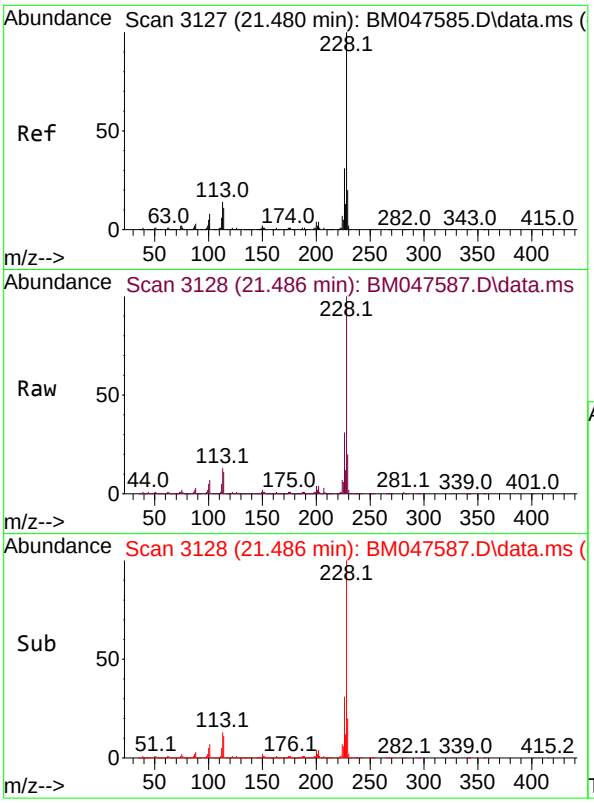


#82
3,3'-Dichlorobenzidine
Concen: 61.894 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:252 Resp: 1393936

Ion	Ratio	Lower	Upper
252	100		
254	65.4	52.3	78.5
126	12.9	11.4	17.0

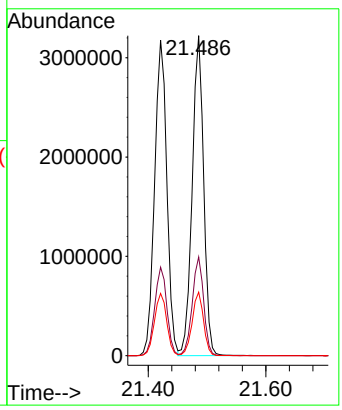




#83
Chrysene
Concen: 63.362 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:228 Resp: 436992

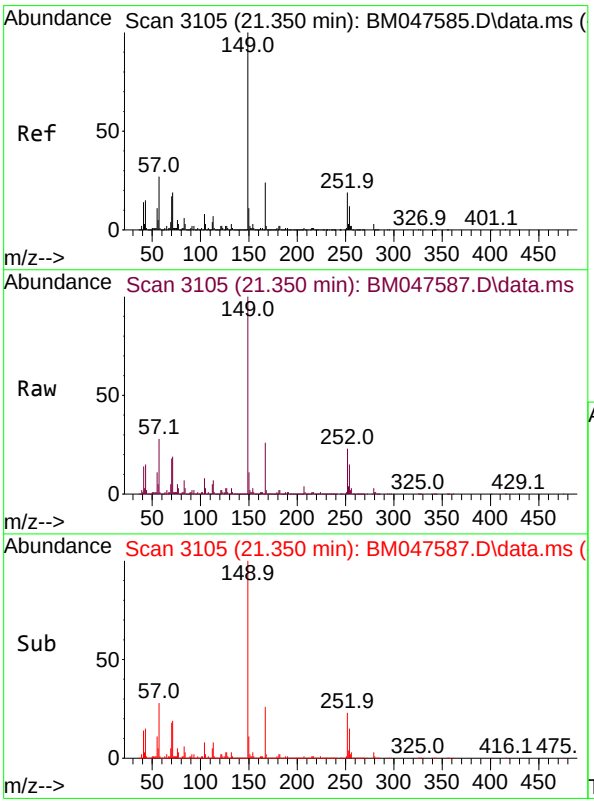
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

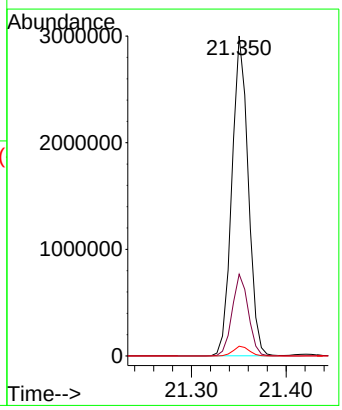
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

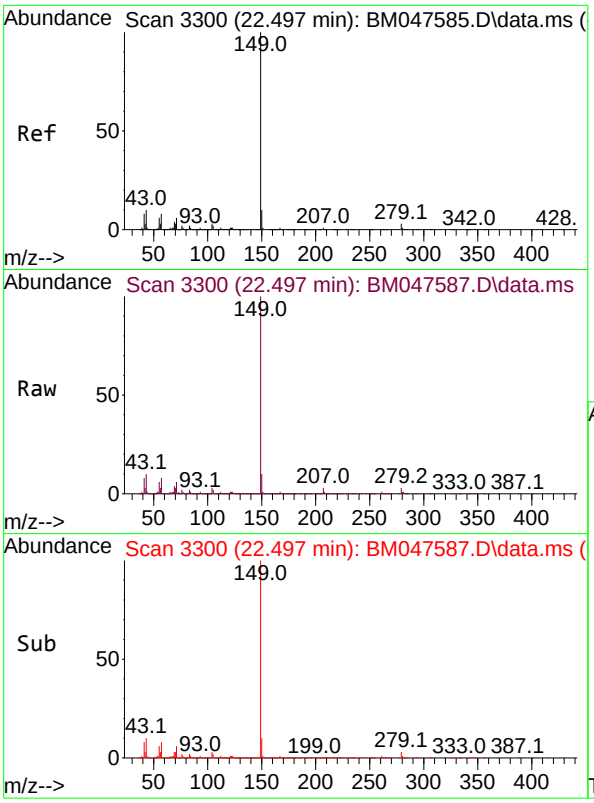


#84
Bis(2-ethylhexyl)phthalate
Concen: 66.729 ng
RT: 21.350 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:149 Resp: 3586811

Ion	Ratio	Lower	Upper
149	100		
167	25.6	19.5	29.3
279	3.1	2.3	3.5

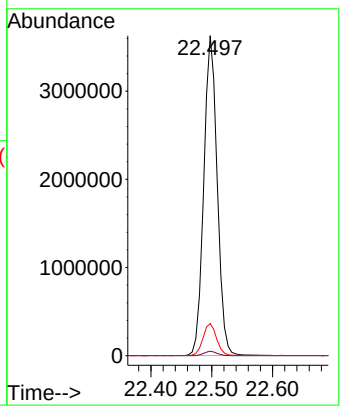




#85
Di-n-octyl phthalate
Concen: 67.050 ng
RT: 22.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:149 Resp: 556150

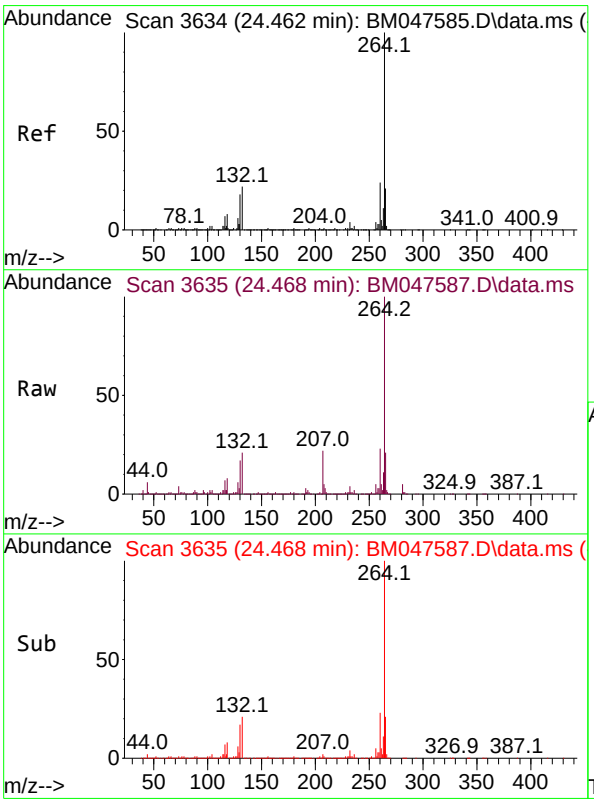
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.1	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

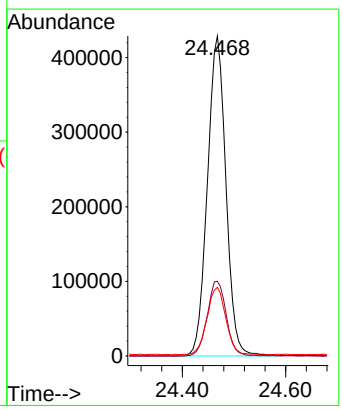
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

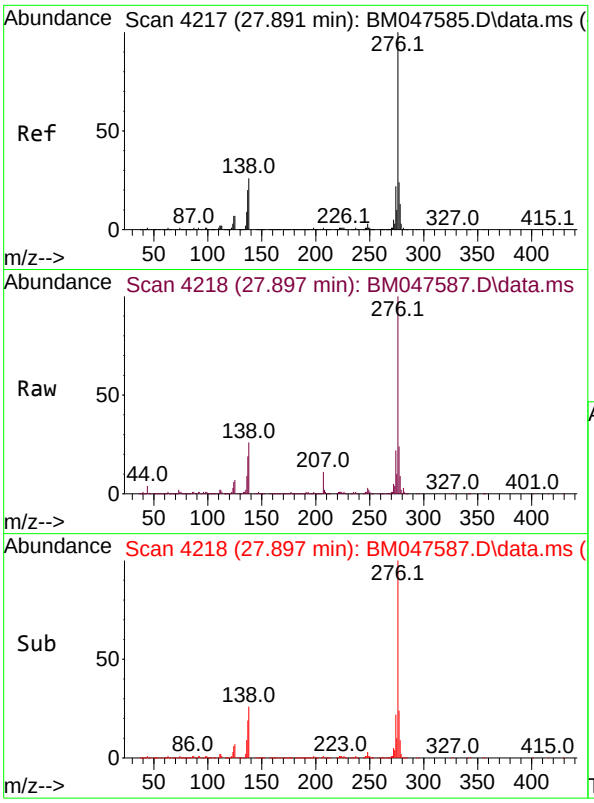


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:264 Resp: 1067048

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.4	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 64.613 ng
RT: 27.897 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

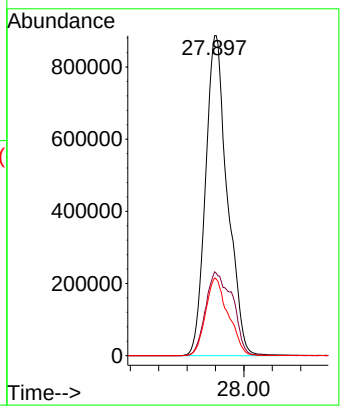
Tgt Ion:276 Resp: 474097

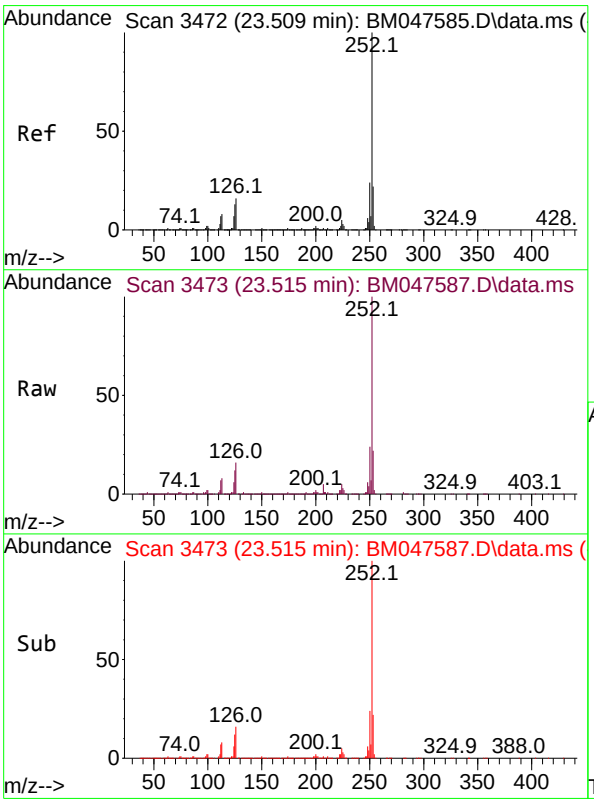
Ion	Ratio	Lower	Upper
276	100		
138	32.2	18.1	27.1
277	25.2	20.0	30.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

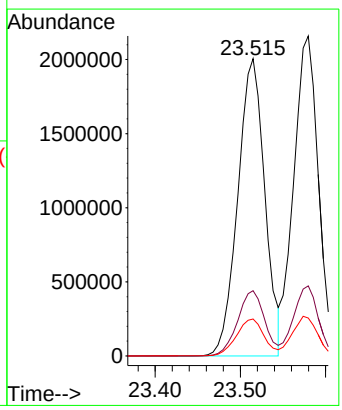


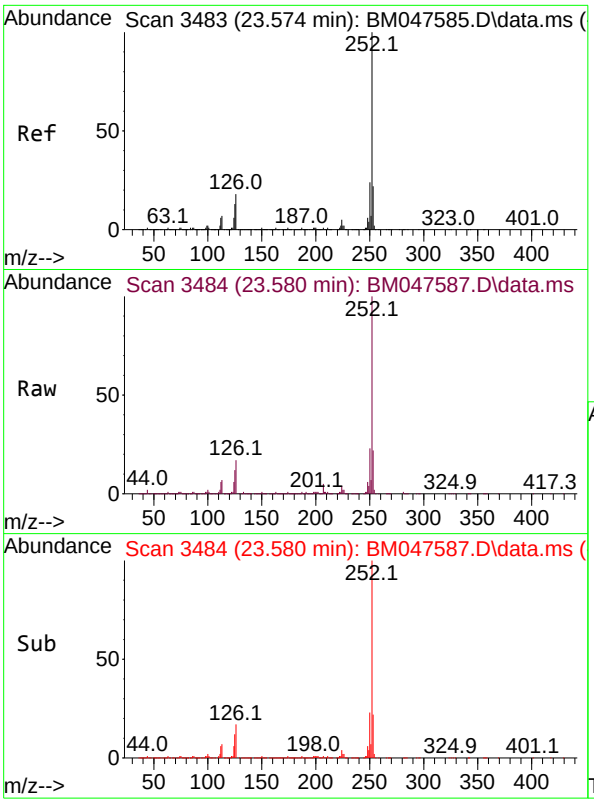


#88
Benzo(b)fluoranthene
Concen: 65.991 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:252 Resp: 4425659

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	12.4	10.2	15.2

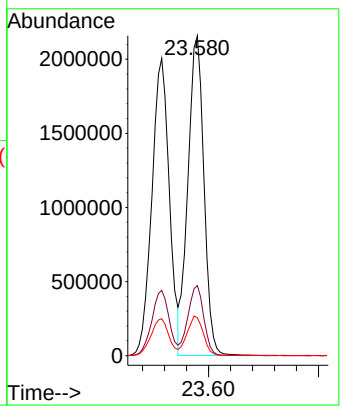




#89
Benzo(k)fluoranthene
Concen: 66.249 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:252 Resp: 436143

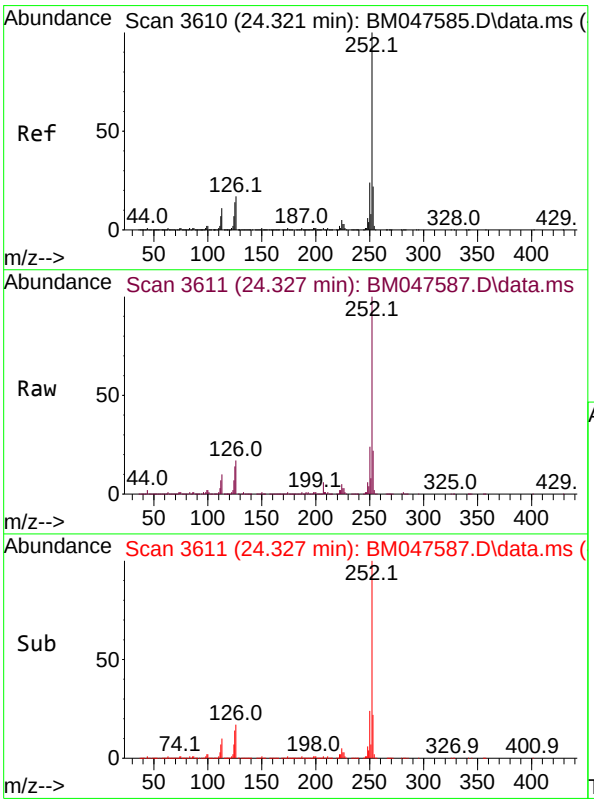
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.9	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

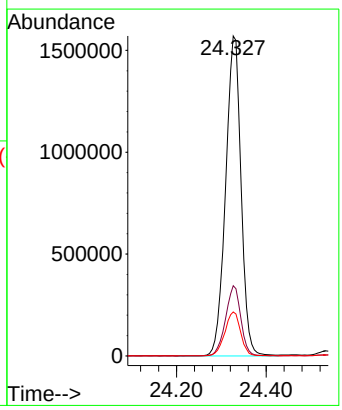
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

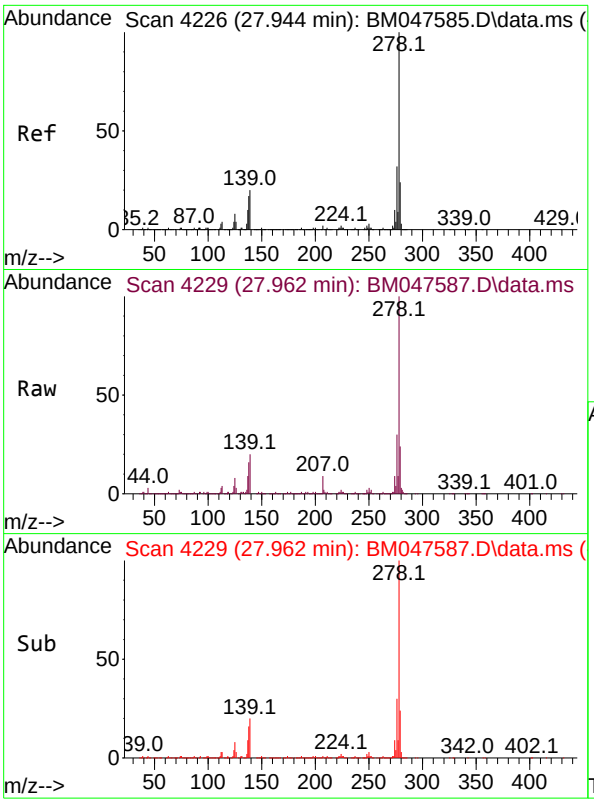


#90
Benzo(a)pyrene
Concen: 66.028 ng
RT: 24.327 min Scan# 3611
Delta R.T. 0.006 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:252 Resp: 3754343

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	13.7	11.5	17.3

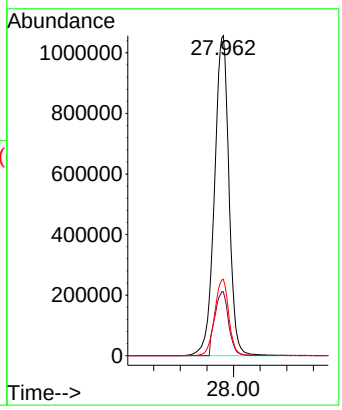




#91
Dibenzo(a,h)anthracene
Concen: 65.195 ng
RT: 27.962 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:278 Resp: 399578

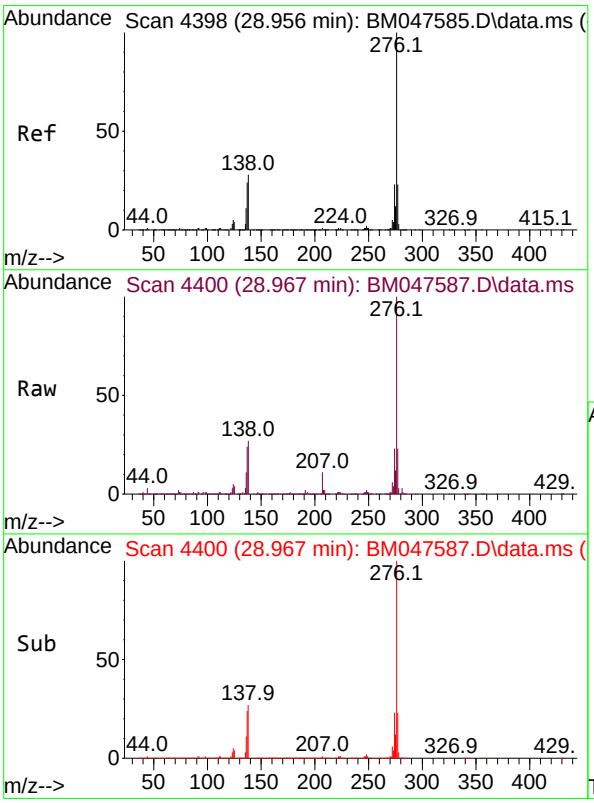
Ion	Ratio	Lower	Upper
278	100		
139	20.0	16.4	24.6
279	23.9	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

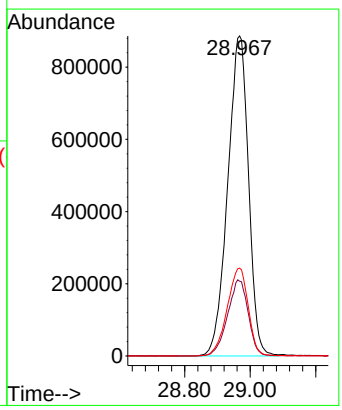
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92
Benzo(g,h,i)perylene
Concen: 63.475 ng
RT: 28.967 min Scan# 4400
Delta R.T. 0.012 min
Lab File: BM047587.D
Acq: 20 Sep 2024 13:38

Tgt Ion:276 Resp: 3898894

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.3	27.5
138	27.5	22.3	33.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047588.D
Acq On : 20 Sep 2024 14:17
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:24:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	315710	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1223872	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	640664	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1187048	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1135693	20.000	ng	0.00
86) Perylene-d12	24.468	264	1098301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3354989	162.850	ng	0.00
7) Phenol-d6	7.010	99	4459714	164.289	ng	0.00
23) Nitrobenzene-d5	9.004	82	4087522	166.258	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1073437	180.946	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	7829359	172.919	ng	0.00
79) Terphenyl-d14	19.827	244	10708018	169.175	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.316	88	686641	76.548	ng	100
3) Pyridine	3.716	79	1935104m	77.775	ng	
4) n-Nitrosodimethylamine	3.622	42	821086	79.637	ng	98
6) Aniline	7.175	93	1777220	76.423	ng	99
8) 2-Chlorophenol	7.416	128	1734107	80.403	ng	99
9) Benzaldehyde	6.981	77	850413	61.317	ng	97
10) Phenol	7.040	94	2193231	81.370	ng	99
11) bis(2-Chloroethyl)ether	7.269	93	1709682	78.918	ng	99
12) 1,3-Dichlorobenzene	7.740	146	1870850	78.438	ng	99
13) 1,4-Dichlorobenzene	7.887	146	1906328	78.990	ng	99
14) 1,2-Dichlorobenzene	8.204	146	1834746	78.871	ng	99
15) Benzyl Alcohol	8.087	79	1450009	82.789	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.381	45	2111932	76.481	ng	99
17) 2-Methylphenol	8.287	107	1348038	79.575	ng	98
18) Hexachloroethane	8.934	117	766023	78.271	ng	99
19) n-Nitroso-di-n-propyla...	8.657	70	1365589	82.128	ng	99
20) 3+4-Methylphenols	8.616	107	1849826	80.170	ng	99
22) Acetophenone	8.669	105	2590104	81.231	ng	99
24) Nitrobenzene	9.045	77	2048813	80.683	ng	99
25) Isophorone	9.575	82	3377671	82.209	ng	100
26) 2-Nitrophenol	9.757	139	802541	89.887	ng	98
27) 2,4-Dimethylphenol	9.816	122	1042942	81.951	ng	99
28) bis(2-Chloroethoxy)met...	10.051	93	2128336	80.521	ng	99
29) 2,4-Dichlorophenol	10.287	162	1353892	84.154	ng	99
30) 1,2,4-Trichlorobenzene	10.510	180	1494100	81.480	ng	100
31) Naphthalene	10.692	128	5291802	81.726	ng	100
32) Benzoic acid	9.969	122	1137571	95.769	ng	99
33) 4-Chloroaniline	10.798	127	1834311	80.354	ng	99
34) Hexachlorobutadiene	10.986	225	824331	82.607	ng	97
35) Caprolactam	11.586	113	468517	84.251	ng	94
36) 4-Chloro-3-methylphenol	11.922	107	1549861	84.433	ng	98
37) 2-Methylnaphthalene	12.304	142	3400788	83.599	ng	100
38) 1-Methylnaphthalene	12.522	142	3358551	83.223	ng	99
40) 1,2,4,5-Tetrachloroben...	12.675	216	1443396	85.374	ng	100
41) Hexachlorocyclopentadiene	12.657	237	481222	86.212	ng	100
43) 2,4,6-Trichlorophenol	12.910	196	950238	86.480	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047588.D
Acq On : 20 Sep 2024 14:17
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 16:24:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	1061524	85.949	ng		98
46) 1,1'-Biphenyl	13.316	154	4114286	83.155	ng		99
47) 2-Chloronaphthalene	13.357	162	3213956	83.018	ng		99
48) 2-Nitroaniline	13.551	65	1053321	91.097	ng		98
49) Acenaphthylene	14.198	152	4698419	84.334	ng		99
50) Dimethylphthalate	13.939	163	3592419	81.213	ng		100
51) 2,6-Dinitrotoluene	14.051	165	813912	87.822	ng		97
52) Acenaphthene	14.545	154	3113078m	84.563	ng		
53) 3-Nitroaniline	14.374	138	938335	88.277	ng		99
54) 2,4-Dinitrophenol	14.574	184	403856	96.125	ng		98
55) Dibenzofuran	14.874	168	4462774	82.975	ng		99
56) 4-Nitrophenol	14.680	139	812902	89.248	ng		94
57) 2,4-Dinitrotoluene	14.833	165	1110241	89.903	ng		98
58) Fluorene	15.521	166	4133115	86.827	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	803427	85.100	ng		99
60) Diethylphthalate	15.304	149	3903431	82.772	ng		98
61) 4-Chlorophenyl-phenyle...	15.521	204	1813122	87.172	ng		95
62) 4-Nitroaniline	15.533	138	1105880	92.337	ng		98
63) Azobenzene	15.810	77	4304580	83.492	ng		98
65) 4,6-Dinitro-2-methylph...	15.592	198	537212	95.509	ng		99
66) n-Nitrosodiphenylamine	15.727	169	3015825	85.064	ng		100
67) 4-Bromophenyl-phenylether	16.410	248	937800	86.968	ng		96
68) Hexachlorobenzene	16.527	284	1070758	84.940	ng		94
69) Atrazine	16.674	200	551529	64.618	ng		97
70) Pentachlorophenol	16.863	266	720563	91.071	ng		98
71) Phenanthrene	17.257	178	5530826	85.836	ng		100
72) Anthracene	17.345	178	5353268	87.689	ng		99
73) Carbazole	17.610	167	5486960	86.255	ng		99
74) Di-n-butylphthalate	18.180	149	6846398	88.982	ng		100
75) Fluoranthene	19.262	202	6399777	90.228	ng		99
77) Benzidine	19.439	184	1010787	65.354	ng		99
78) Pyrene	19.627	202	6776915	85.257	ng		99
80) Butylbenzylphthalate	20.521	149	3086984	89.208	ng		100
81) Benzo(a)anthracene	21.421	228	6206647	83.114	ng		100
82) 3,3'-Dichlorobenzidine	21.345	252	1995508	86.048	ng		99
83) Chrysene	21.486	228	5931917	83.529	ng		99
84) Bis(2-ethylhexyl)phtha...	21.350	149	4949569	89.424	ng		97
85) Di-n-octyl phthalate	22.497	149	7774097	91.021	ng		99
87) Indeno(1,2,3-cd)pyrene	27.909	276	6544938	86.661	ng	#	91
88) Benzo(b)fluoranthene	23.515	252	6024010	87.268	ng		99
89) Benzo(k)fluoranthene	23.580	252	6058149	89.404	ng		99
90) Benzo(a)pyrene	24.327	252	5145797	87.924	ng		99
91) Dibenzo(a,h)anthracene	27.968	278	5497694	87.148	ng		99
92) Benzo(g,h,i)perylene	28.979	276	5397009	85.364	ng		98

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

Quantitation Report (QT Reviewed)

ICAL Form

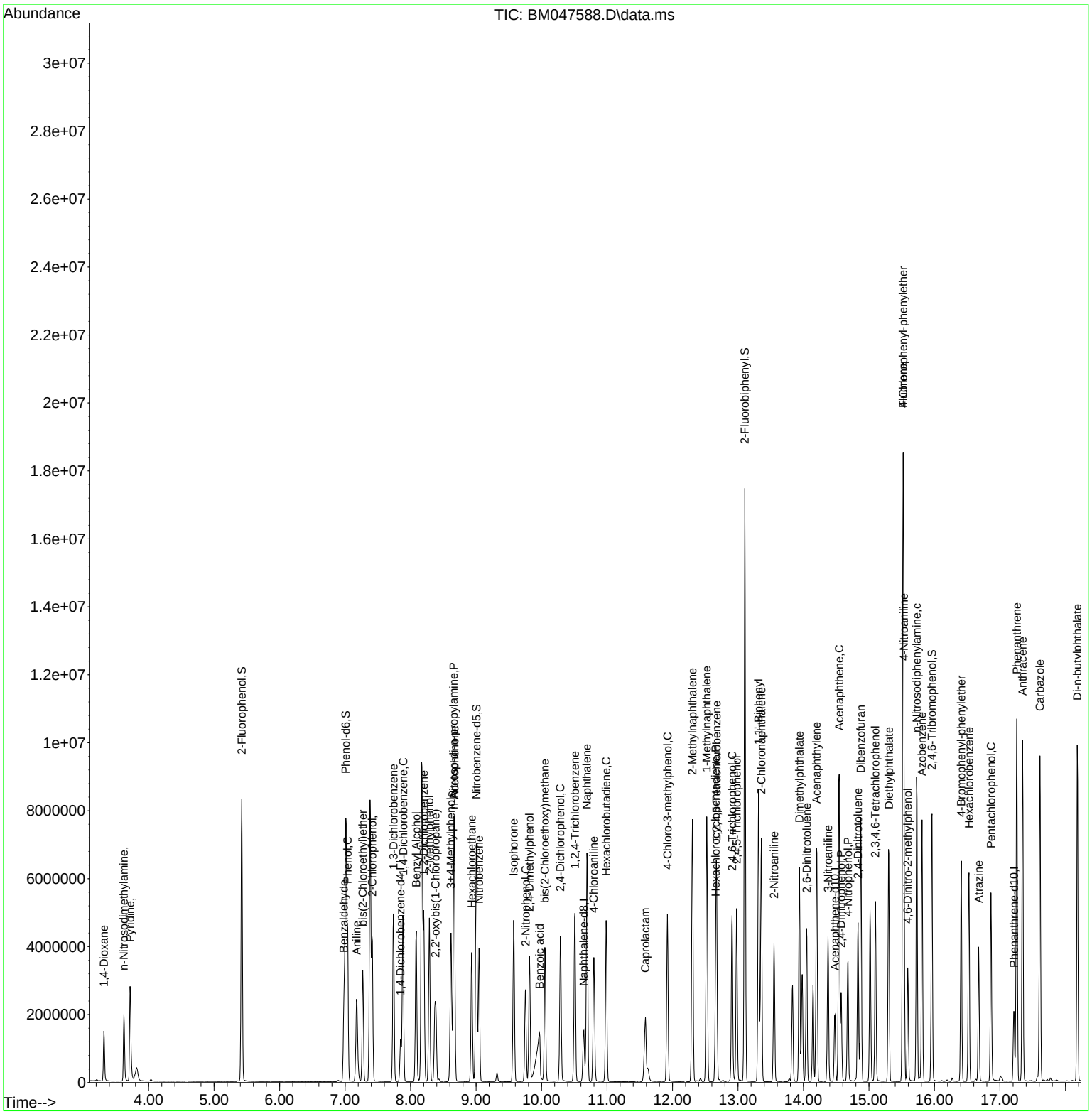
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047588.D
Acq On : 20 Sep 2024 14:17
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 16:24:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



ICAL Form

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Data File : BM047588.D
Acq On : 20 Sep 2024 14:17
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 16:24:38 2024
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QLast Update : Fri Sep 20 14:56:16 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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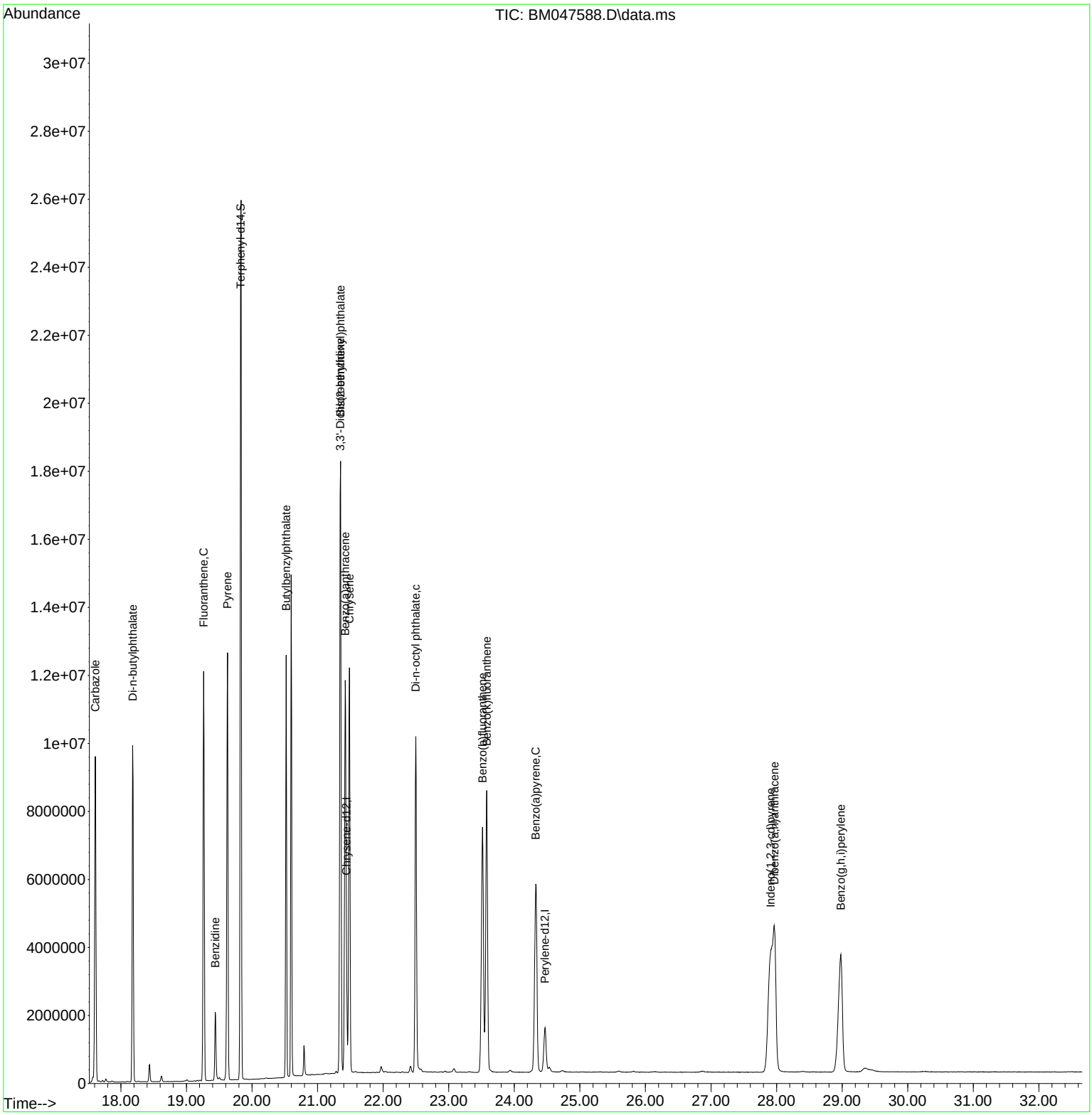
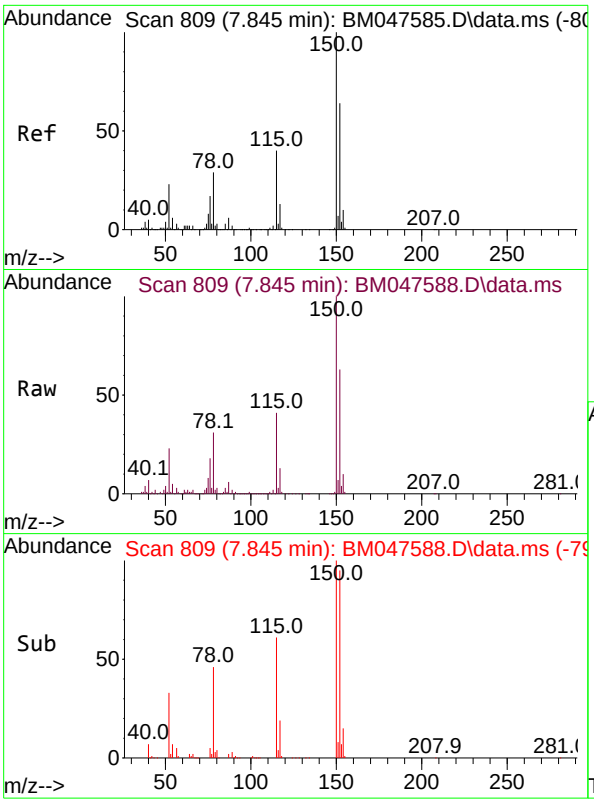
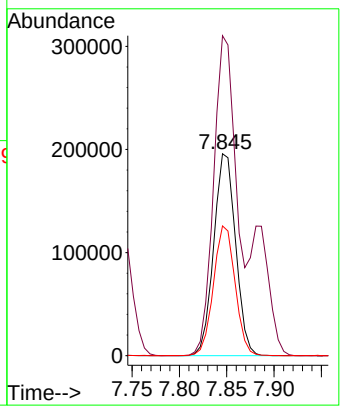




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:152 Resp: 31571

Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.5	186.7
115	64.3	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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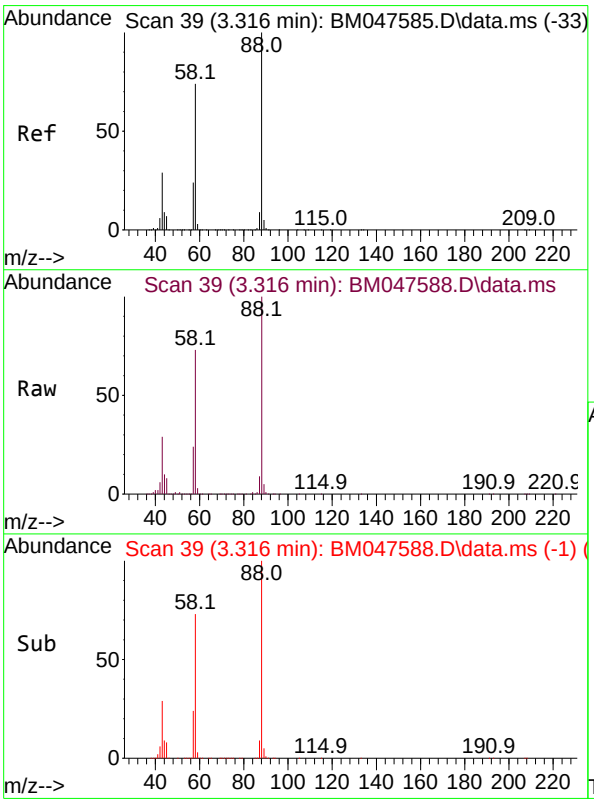
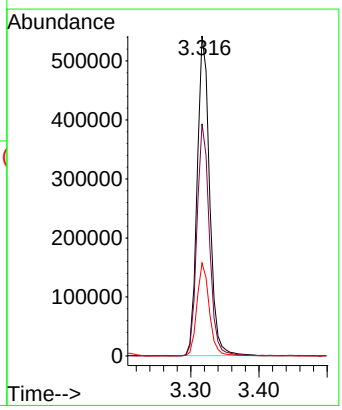
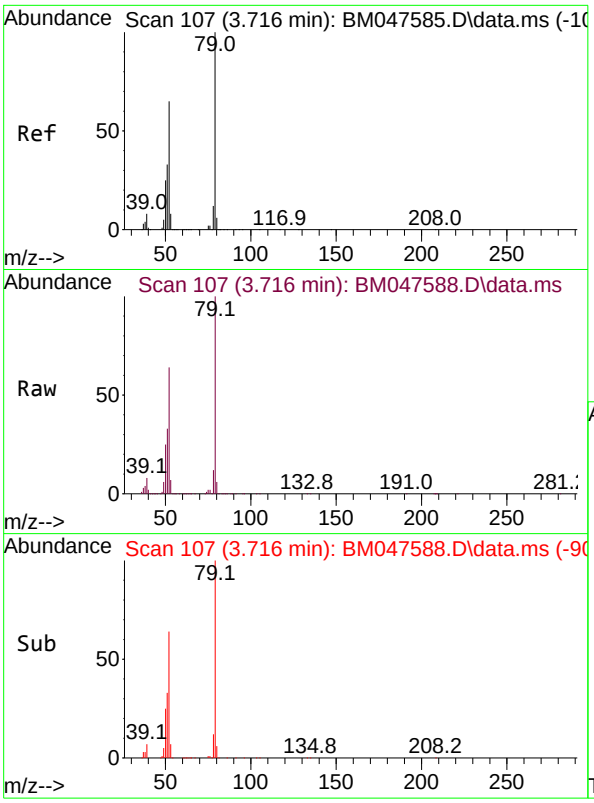


#2
1,4-Dioxane
Concen: 76.548 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 88 Resp: 686641

Ion	Ratio	Lower	Upper
88	100		
58	72.8	58.0	87.0
43	28.8	23.1	34.7

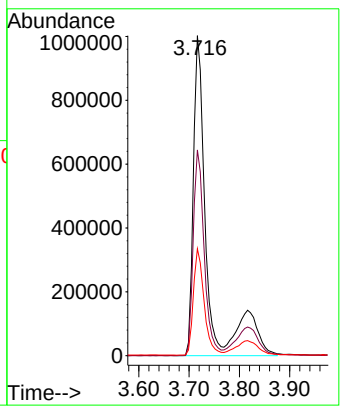




#3
Pyridine
Concen: 77.775 ng m
RT: 3.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 79 Resp: 193510

Ion	Ratio	Lower	Upper
79	100		
52	64.3	52.2	78.2
51	33.4	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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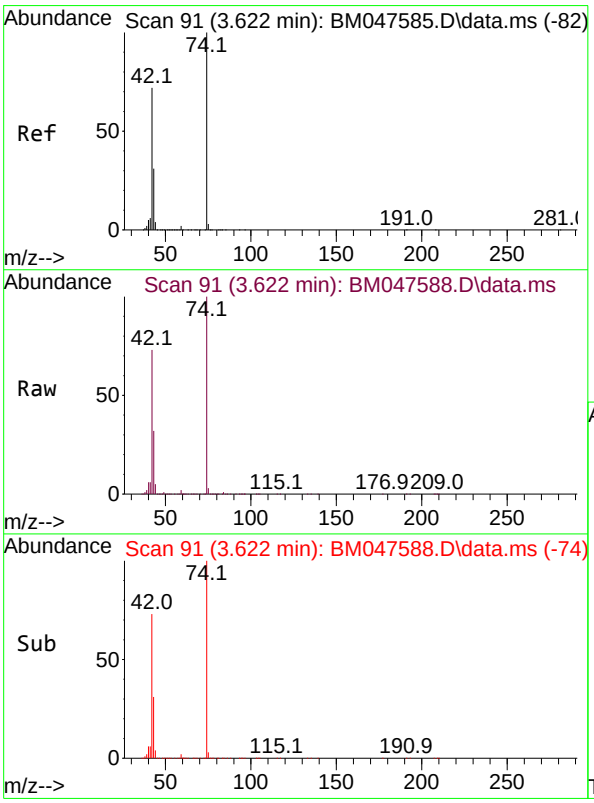
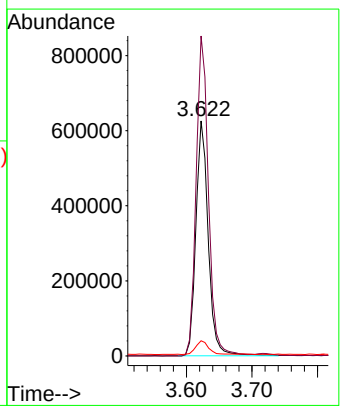
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

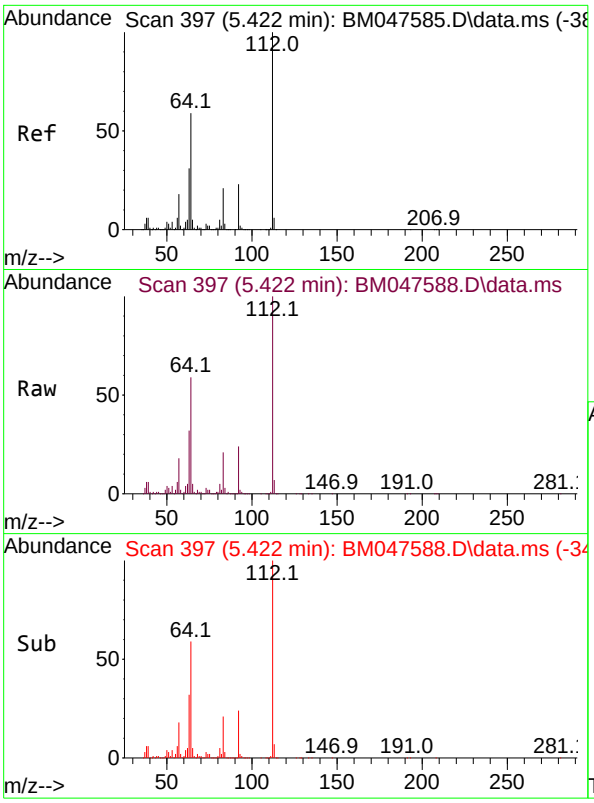


#4
n-Nitrosodimethylamine
Concen: 79.637 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 42 Resp: 821086

Ion	Ratio	Lower	Upper
42	100		
74	136.2	110.8	166.2
44	6.5	6.1	9.1

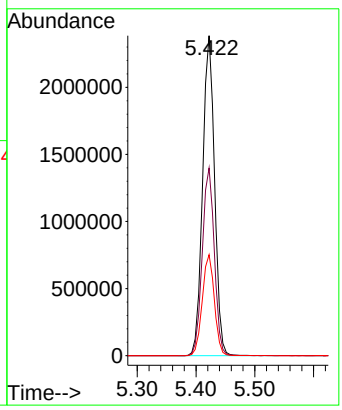




#5
2-Fluorophenol
Concen: 162.850 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:112 Resp: 335498

Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.8	70.2
63	31.5	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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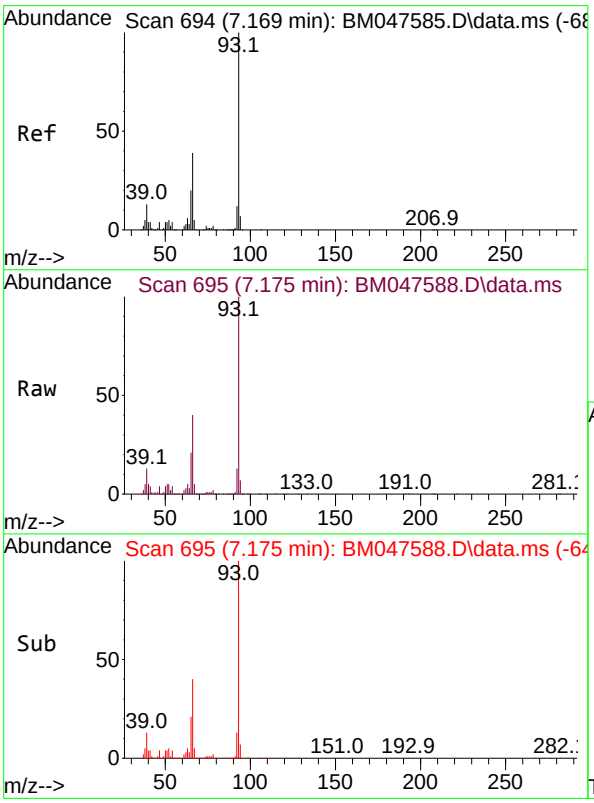
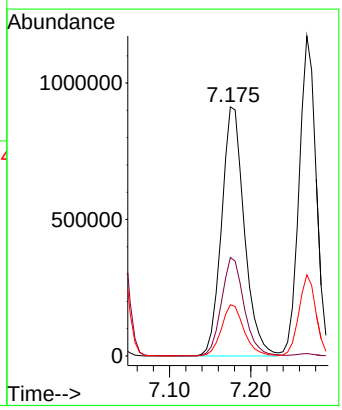
Supervised By :mohammad ahmed 09/24/2024

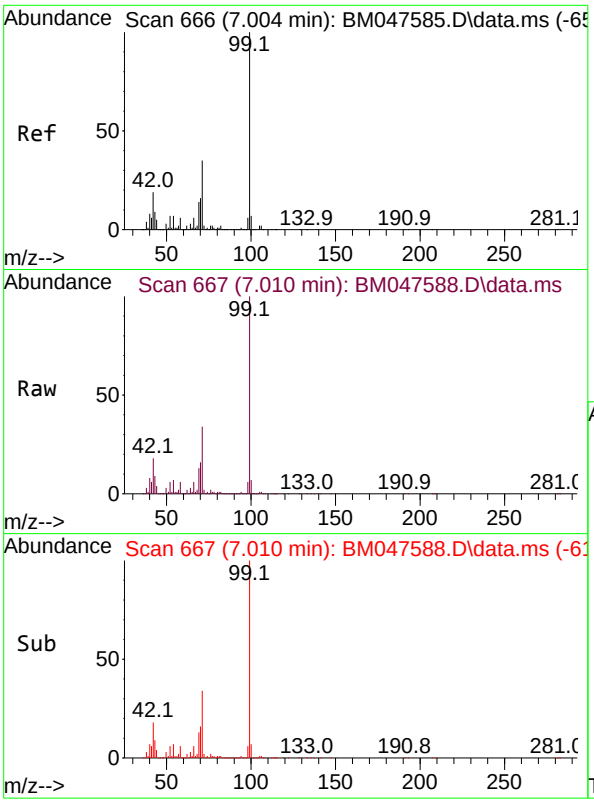


#6
Aniline
Concen: 76.423 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 93 Resp: 1777220

Ion	Ratio	Lower	Upper
93	100		
66	39.5	31.4	47.0
65	20.6	16.2	24.2

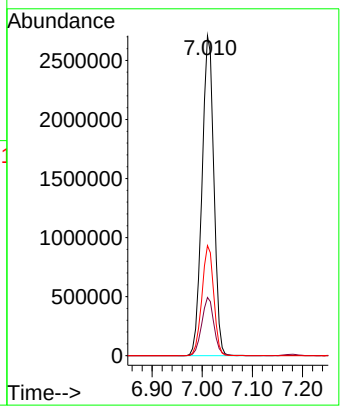




#7
Phenol-d6
Concen: 164.289 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 99 Resp: 445971

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.3	22.9
71	34.4	27.8	41.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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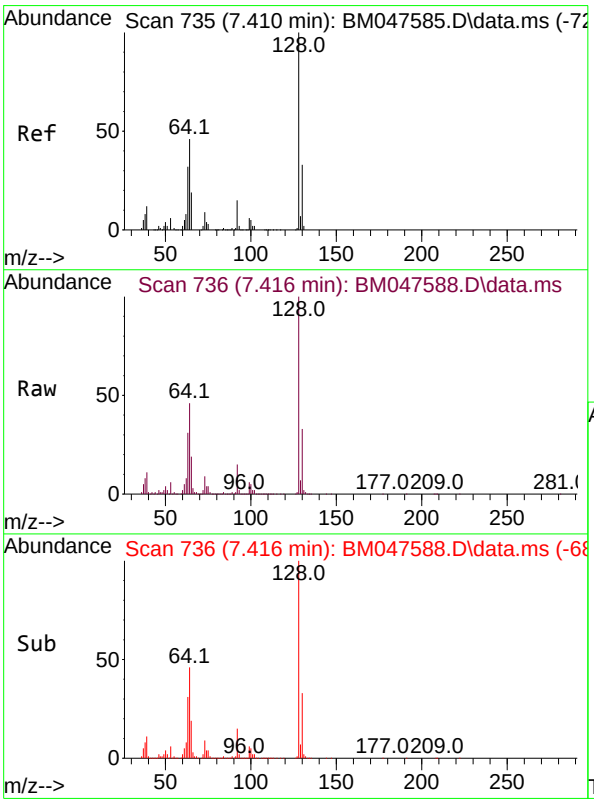
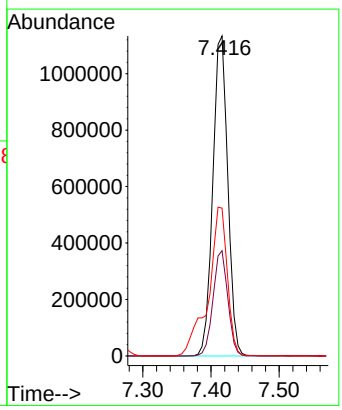
Supervised By :mohammad ahmed 09/24/2024

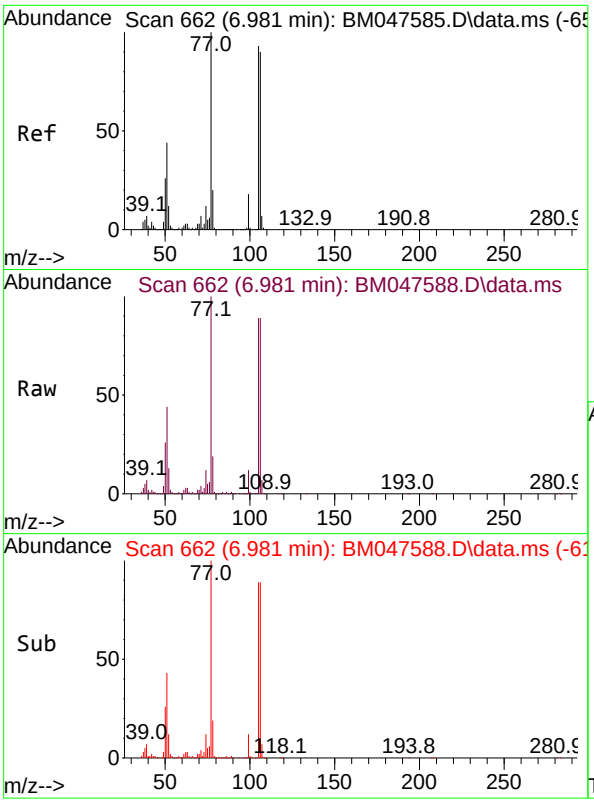


#8
2-Chlorophenol
Concen: 80.403 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:128 Resp: 1734107

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	46.2	27.6	67.6

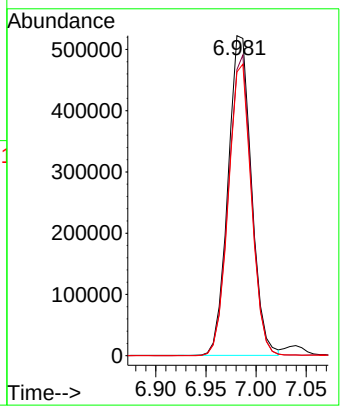




#9
Benzaldehyde
Concen: 61.317 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 77 Resp: 85041

Ion	Ratio	Lower	Upper
77	100		
105	89.4	73.0	113.0
106	88.6	70.3	110.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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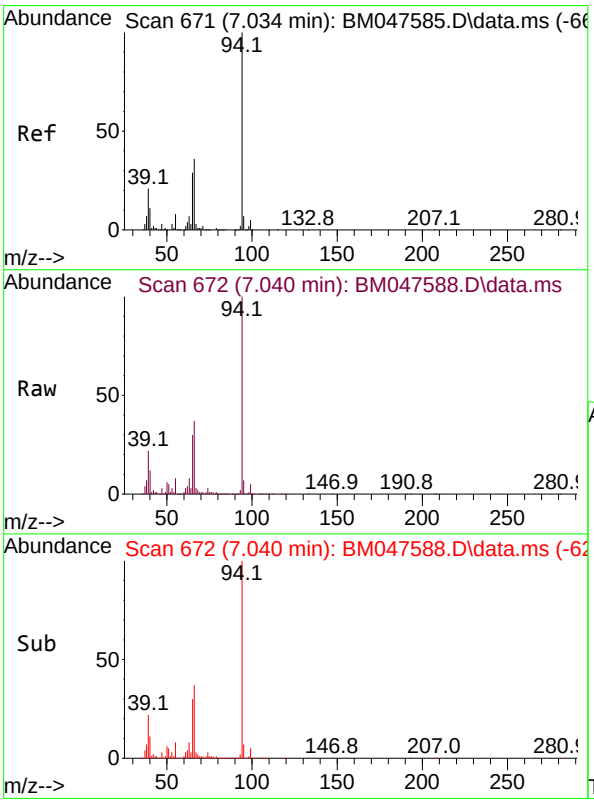
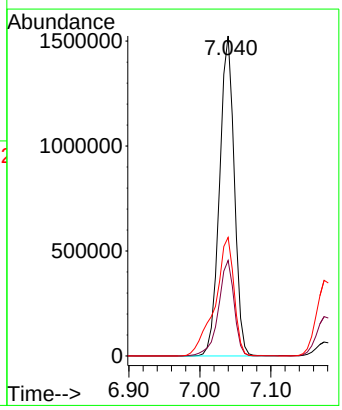
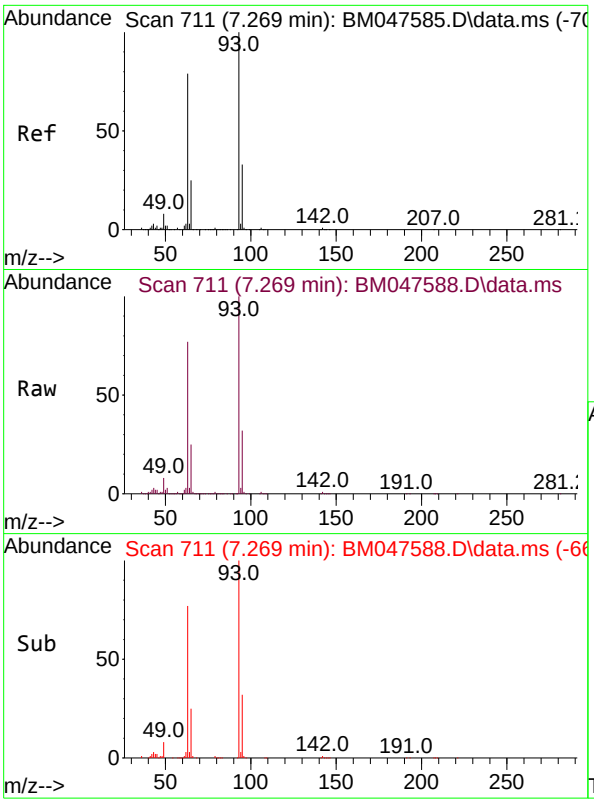


#10
Phenol
Concen: 81.370 ng
RT: 7.040 min Scan# 672
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 94 Resp: 2193231

Ion	Ratio	Lower	Upper
94	100		
65	29.9	9.1	49.1
66	37.0	16.5	56.5

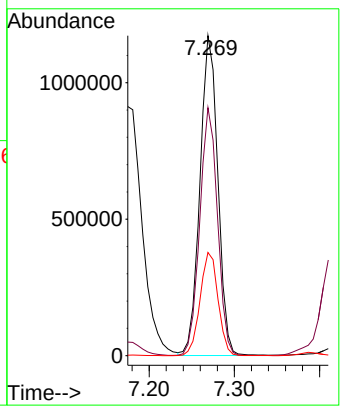




#11
bis(2-Chloroethyl)ether
Concen: 78.918 ng
RT: 7.269 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 93 Resp: 170968

Ion	Ratio	Lower	Upper
93	100		
63	77.5	58.5	98.5
95	32.3	12.9	52.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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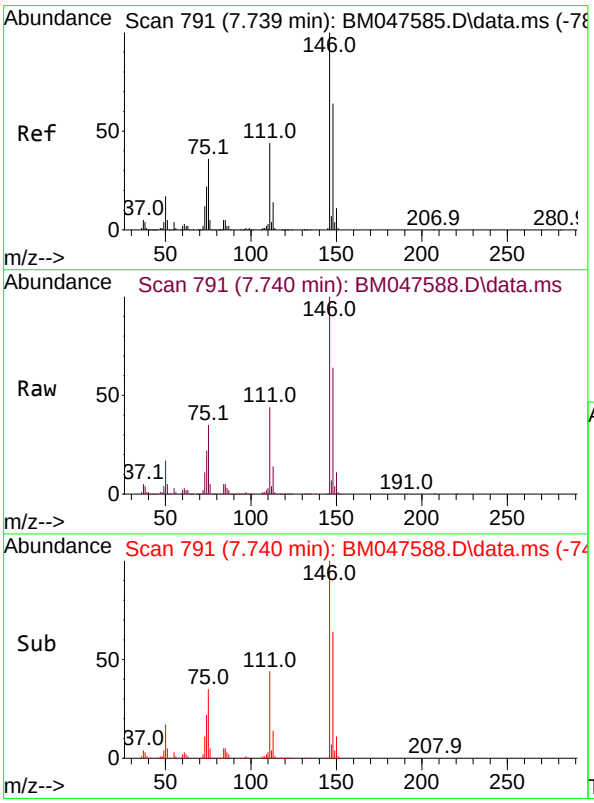
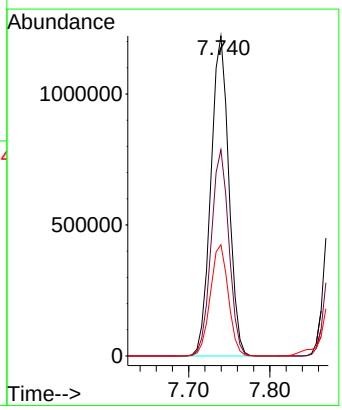
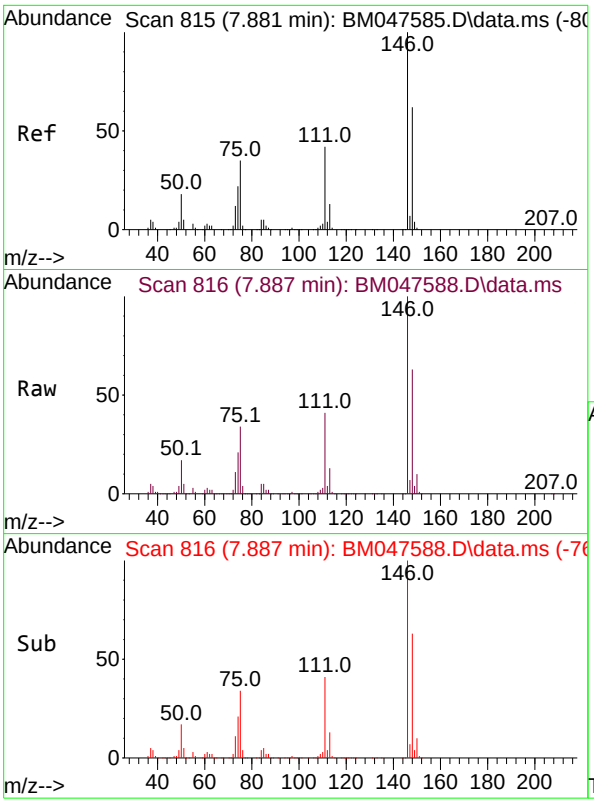


#12
1,3-Dichlorobenzene
Concen: 78.438 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:146 Resp: 1870850

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
75	34.7	28.4	42.6

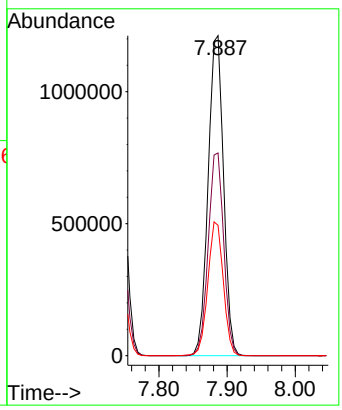




#13
1,4-Dichlorobenzene
Concen: 78.990 ng
RT: 7.887 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:146 Resp: 190632

Ion	Ratio	Lower	Upper
146	100		
148	63.3	49.8	74.6
111	40.8	33.3	49.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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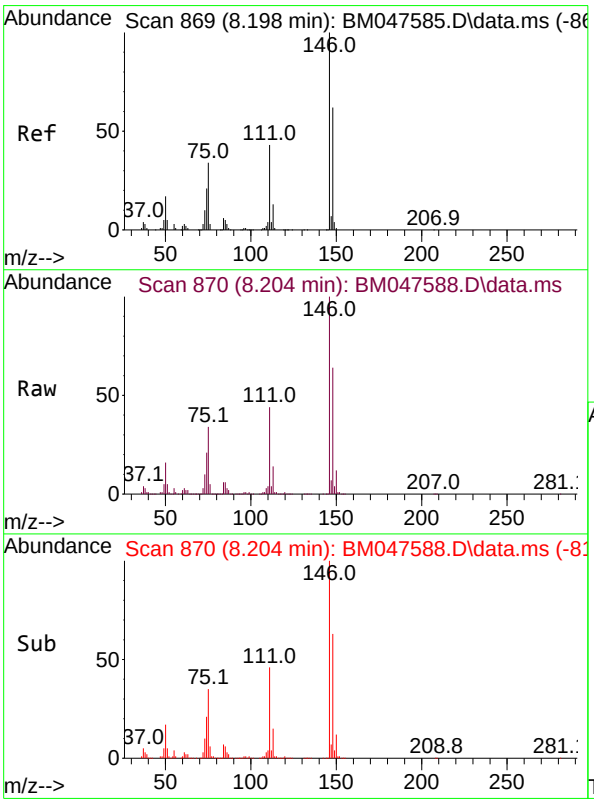
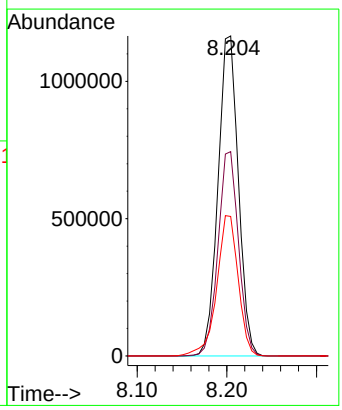
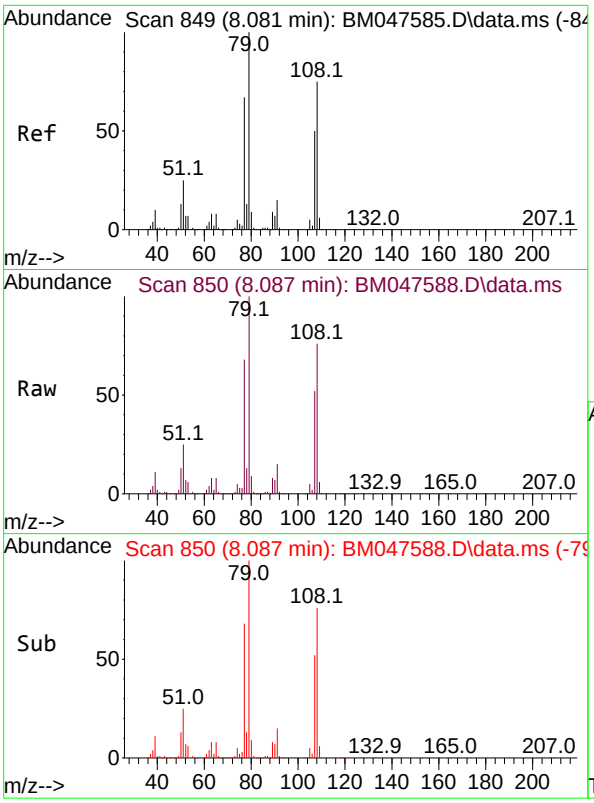


#14
1,2-Dichlorobenzene
Concen: 78.871 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:146 Resp: 1834746

Ion	Ratio	Lower	Upper
146	100		
148	63.9	49.7	74.5
111	43.6	34.8	52.2





#15
Benzyl Alcohol
Concen: 82.789 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 79 Resp: 145000

Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.2	90.2
77	67.8	53.9	80.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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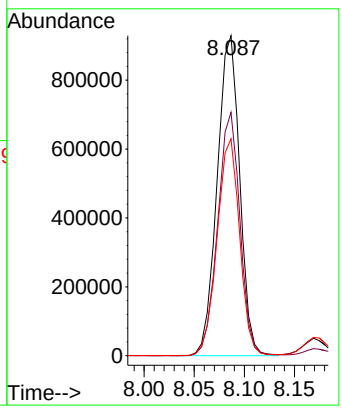
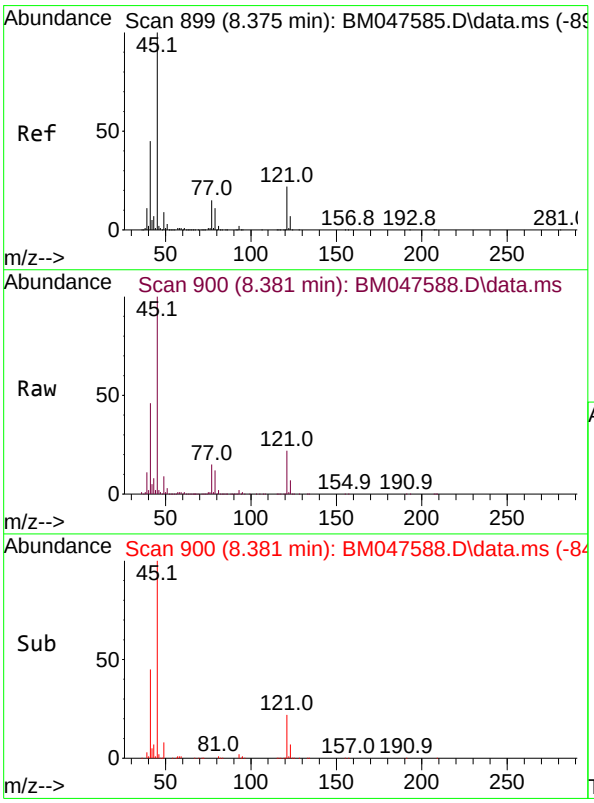
Supervised By :mohammad ahmed 09/24/2024

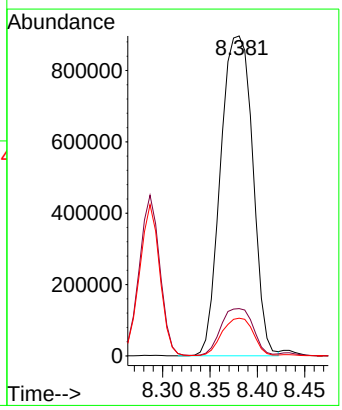


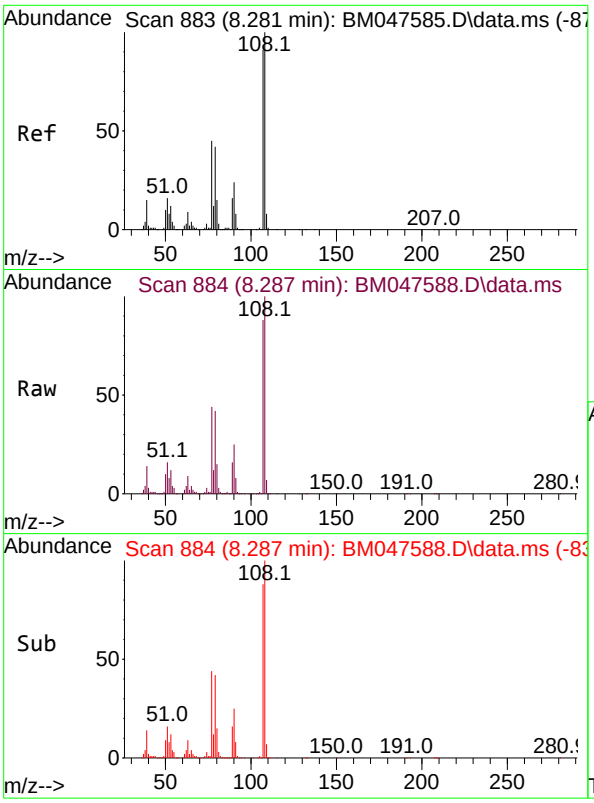


#16
2,2'-oxybis(1-Chloropropane)
Concen: 76.481 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 45 Resp: 2111932

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.5
79	11.8	0.0	31.6

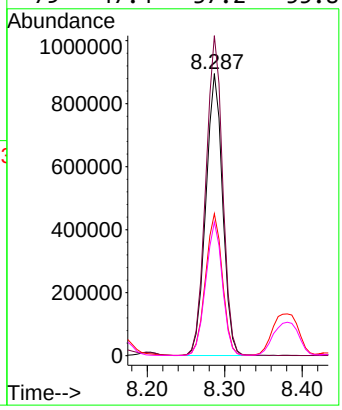




#17
2-Methylphenol
Concen: 79.575 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:107 Resp: 134803

Ion	Ratio	Lower	Upper
107	100		
108	113.4	87.8	131.6
77	50.3	39.6	59.4
79	47.4	37.2	55.8



Instrument :
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ClientSampleId :
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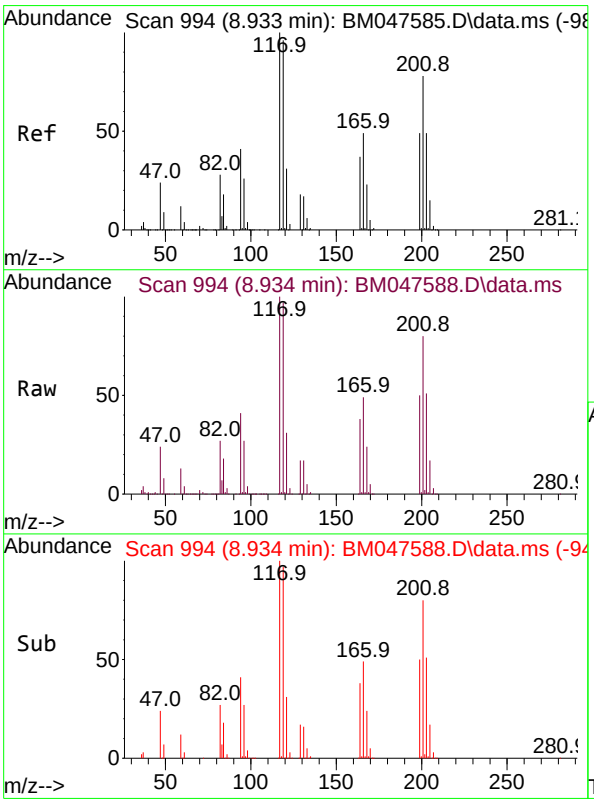
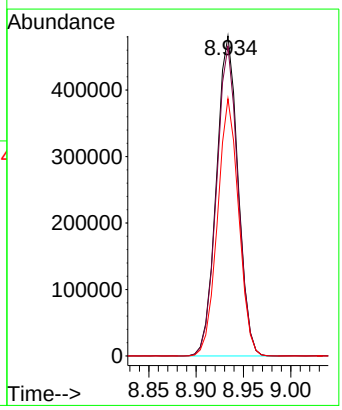
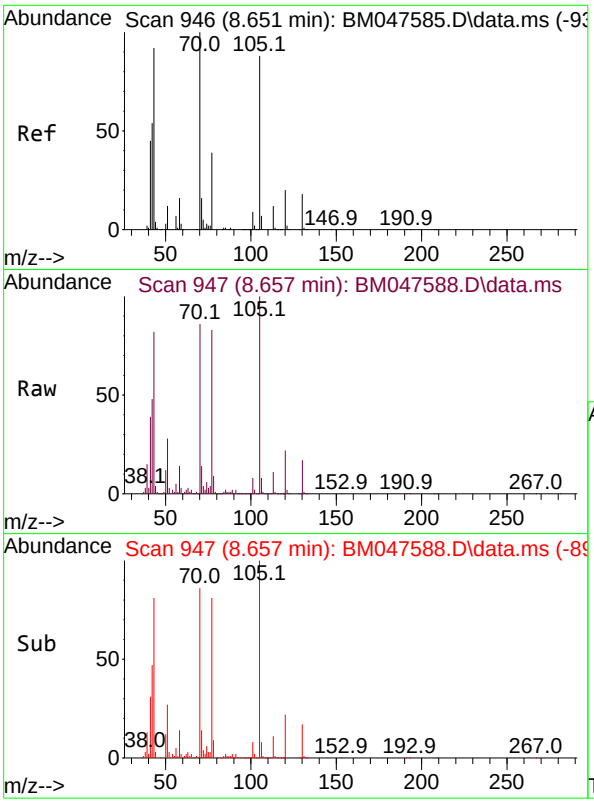


#18
Hexachloroethane
Concen: 78.271 ng
RT: 8.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:117 Resp: 766023

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
201	80.4	62.3	93.5

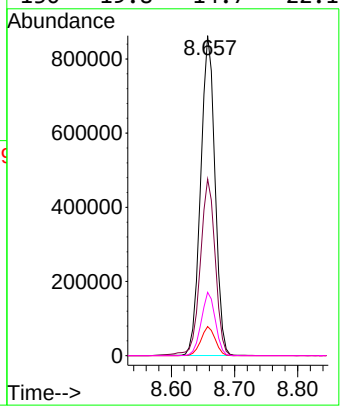




#19
n-Nitroso-di-n-propylamine
Concen: 82.128 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 70 Resp: 136558

Ion	Ratio	Lower	Upper
70	100		
42	55.2	44.2	66.2
101	9.1	7.0	10.4
130	19.8	14.7	22.1



Instrument :
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ClientSampleId :
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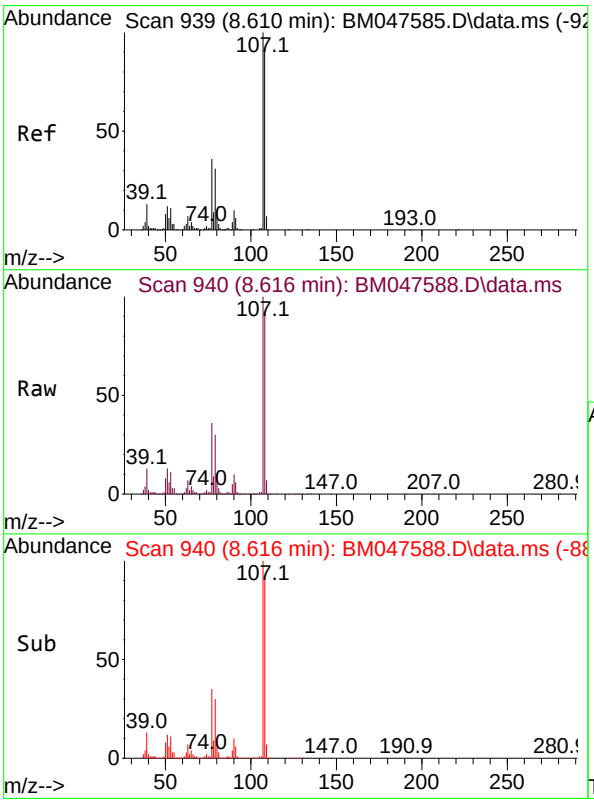
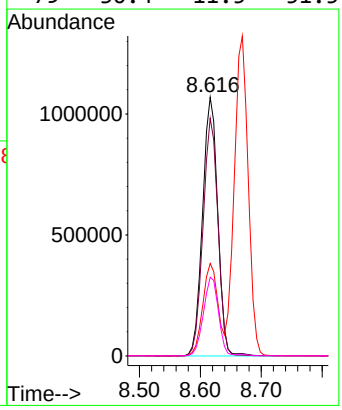
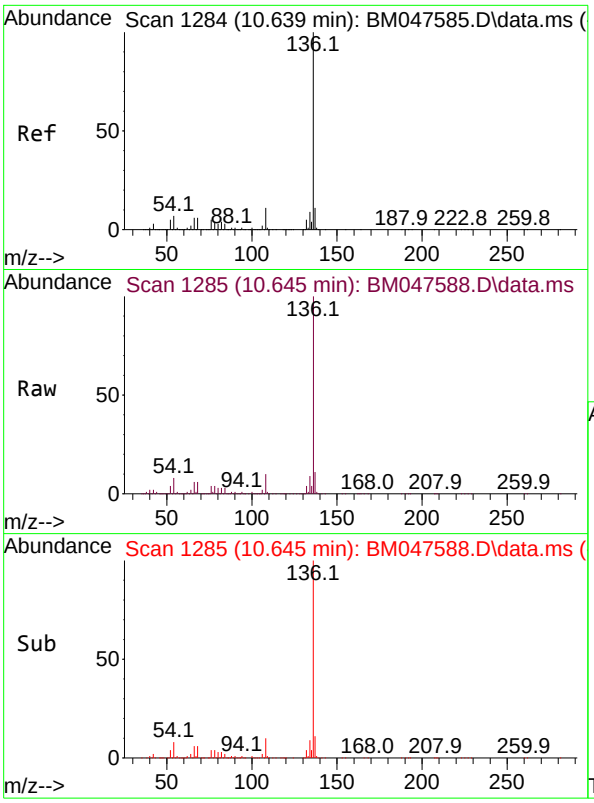


#20
3+4-Methylphenols
Concen: 80.170 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:107 Resp: 1849826

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.8	111.8
77	35.8	16.1	56.1
79	30.4	11.5	51.5

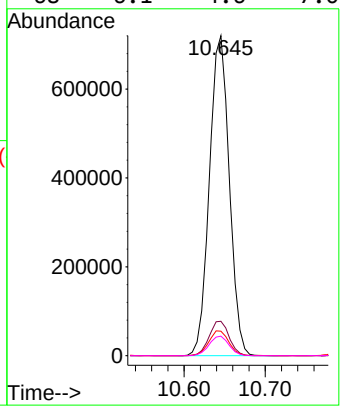




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:136 Resp: 122387

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	7.6	6.0	9.0
68	6.1	4.6	7.0



Instrument :
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ClientSampleId :
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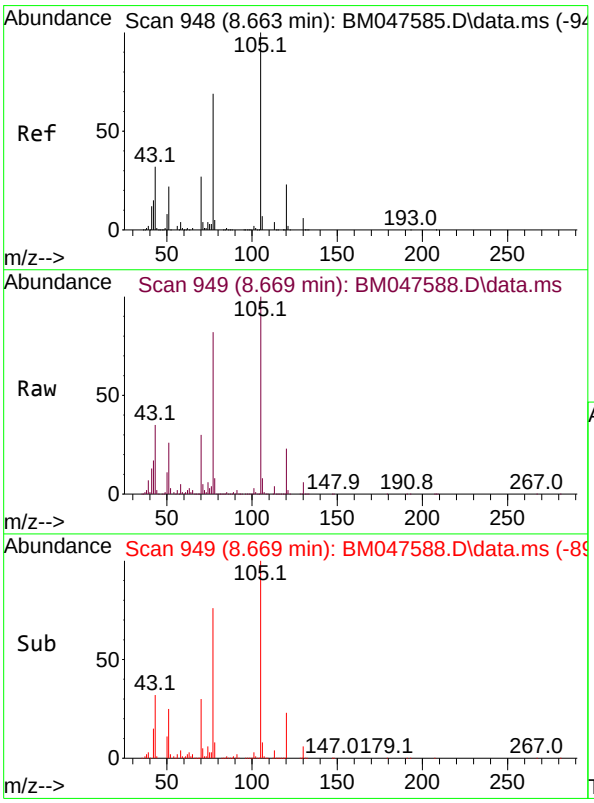
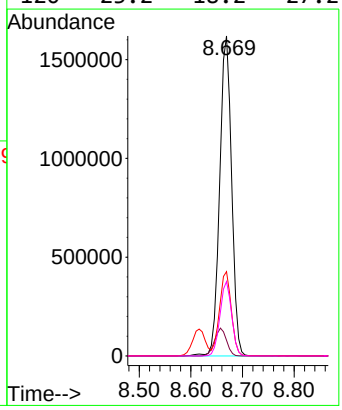
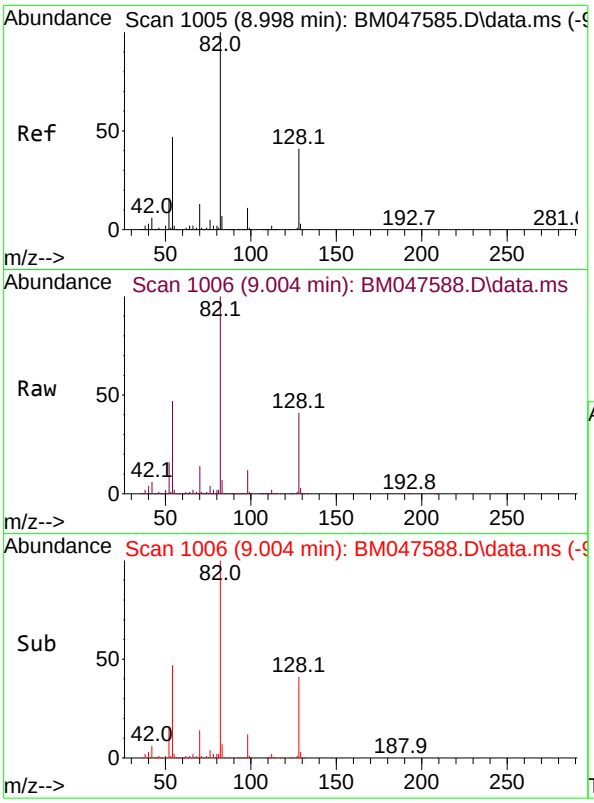


#22
Acetophenone
Concen: 81.231 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:105 Resp: 2590104

Ion	Ratio	Lower	Upper
105	100		
71	4.9	3.4	5.2
51	26.3	21.4	32.2
120	23.2	18.2	27.2

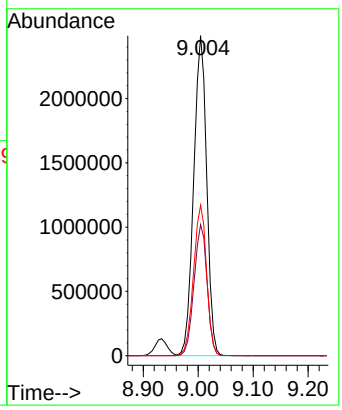




#23
Nitrobenzene-d5
Concen: 166.258 ng
RT: 9.004 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 82 Resp: 408752

Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.5	48.7
54	47.0	37.5	56.3



Instrument :
BNA_M
ClientSampleId :
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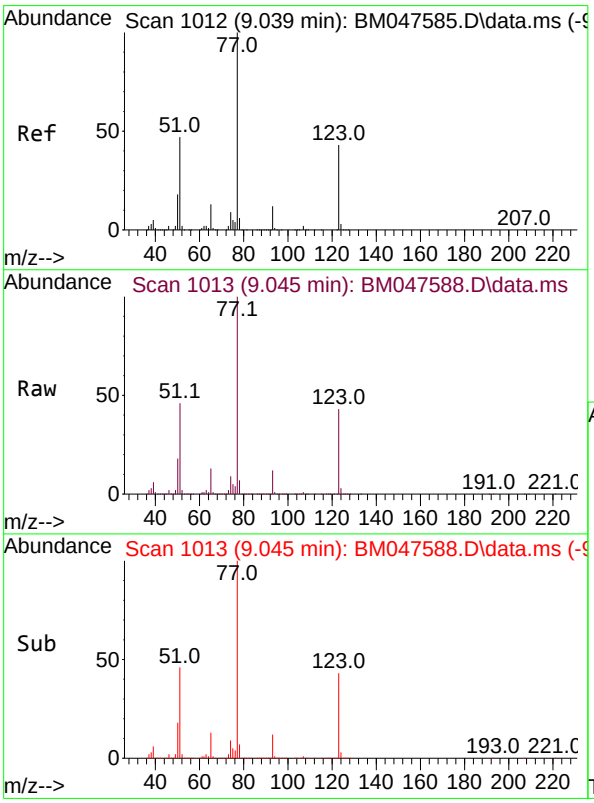
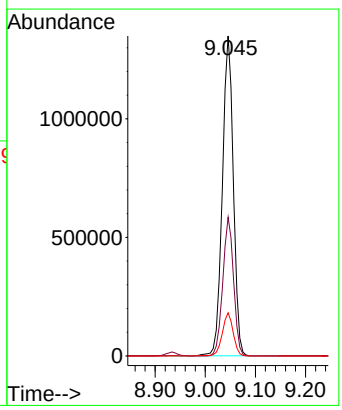
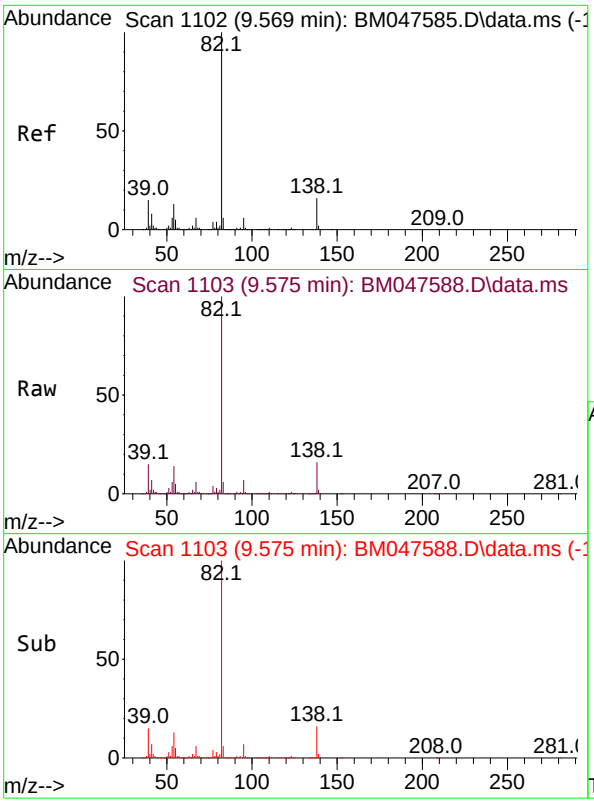


#24
Nitrobenzene
Concen: 80.683 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 77 Resp: 2048813

Ion	Ratio	Lower	Upper
77	100		
123	43.3	34.1	51.1
65	13.5	10.7	16.1

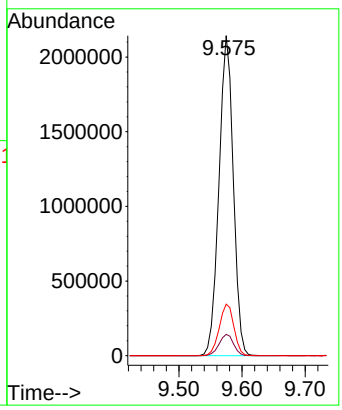




#25
Isophorone
Concen: 82.209 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 82 Resp: 337767

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.0	7.6
138	16.1	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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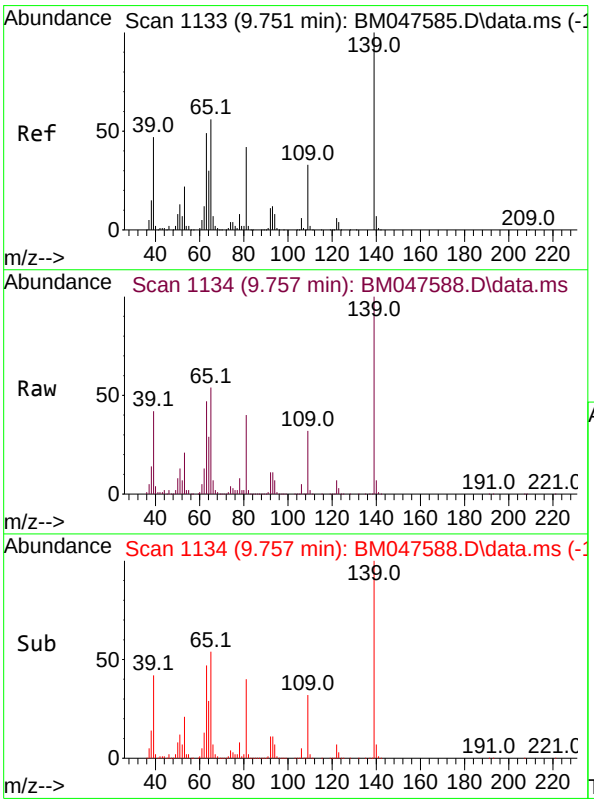
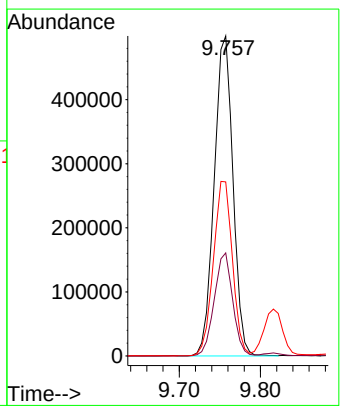
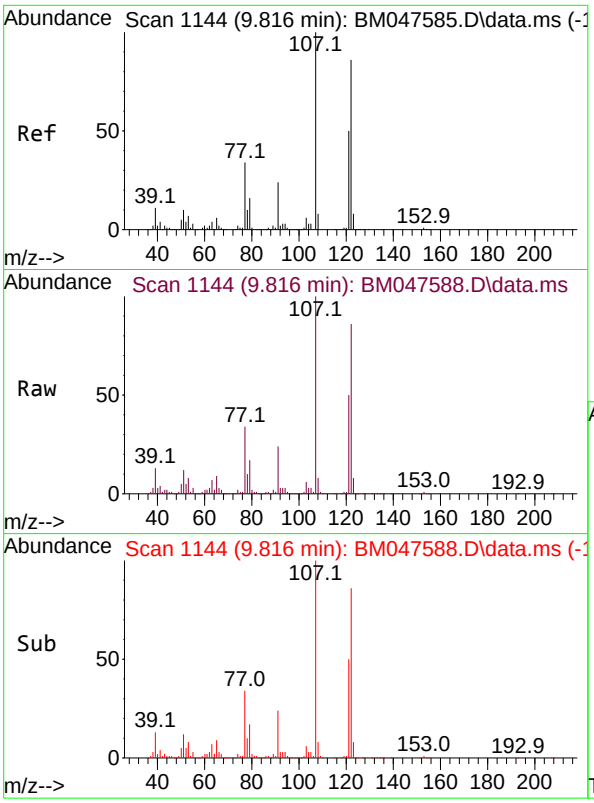


#26
2-Nitrophenol
Concen: 89.887 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:139 Resp: 802541

Ion	Ratio	Lower	Upper
139	100		
109	32.2	26.1	39.1
65	54.4	44.7	67.1





#27
2,4-Dimethylphenol
Concen: 81.951 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:122 Resp: 104294

Ion	Ratio	Lower	Upper
122	100		
107	116.4	92.2	138.2
121	57.8	45.8	68.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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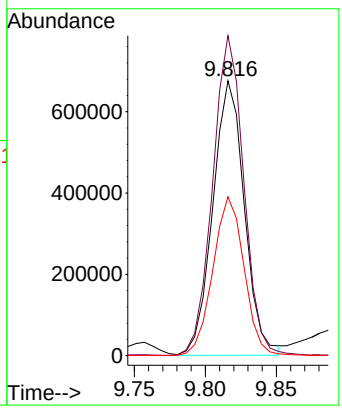
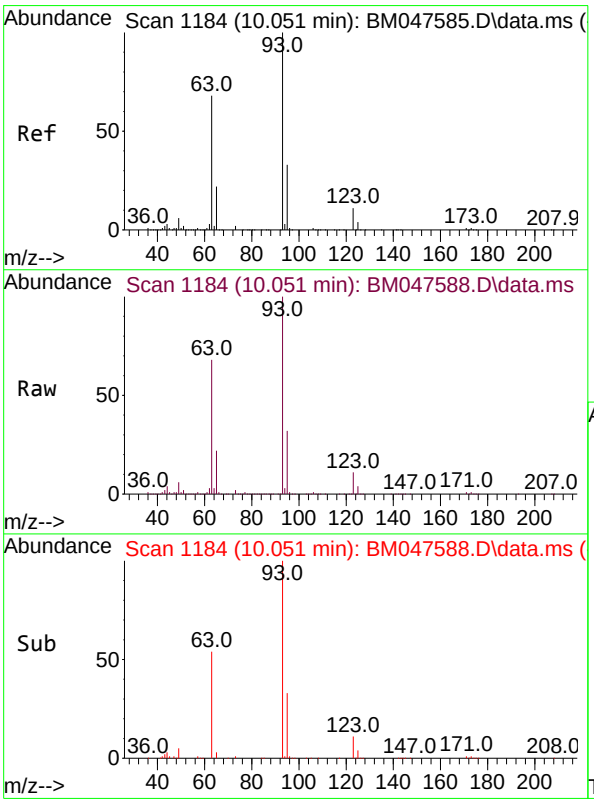
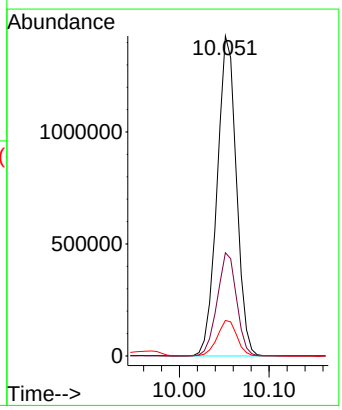


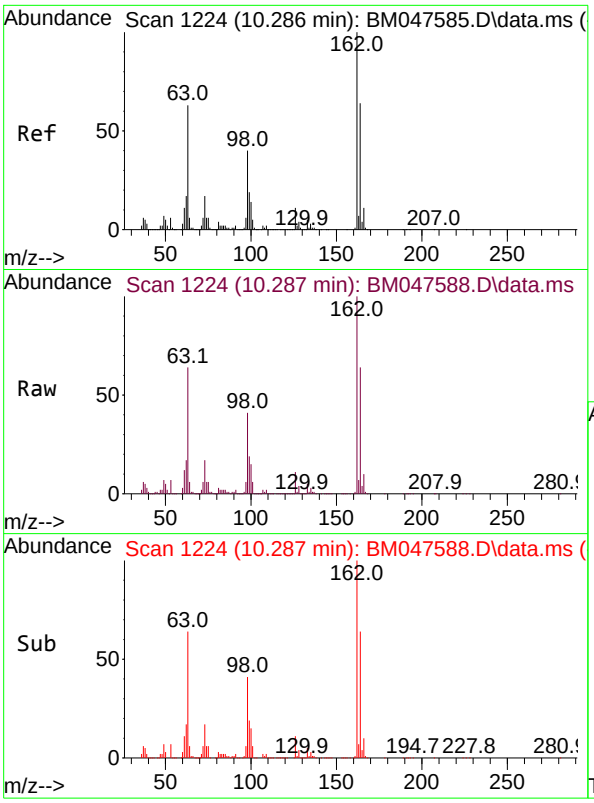


#28
bis(2-Chloroethoxy)methane
Concen: 80.521 ng
RT: 10.051 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 93 Resp: 2128336

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	11.1	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 84.154 ng
RT: 10.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:162 Resp: 135389

Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.9	83.9
98	40.9	20.3	60.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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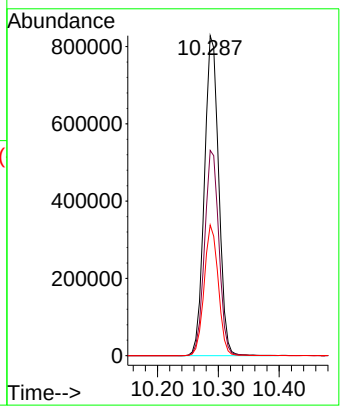
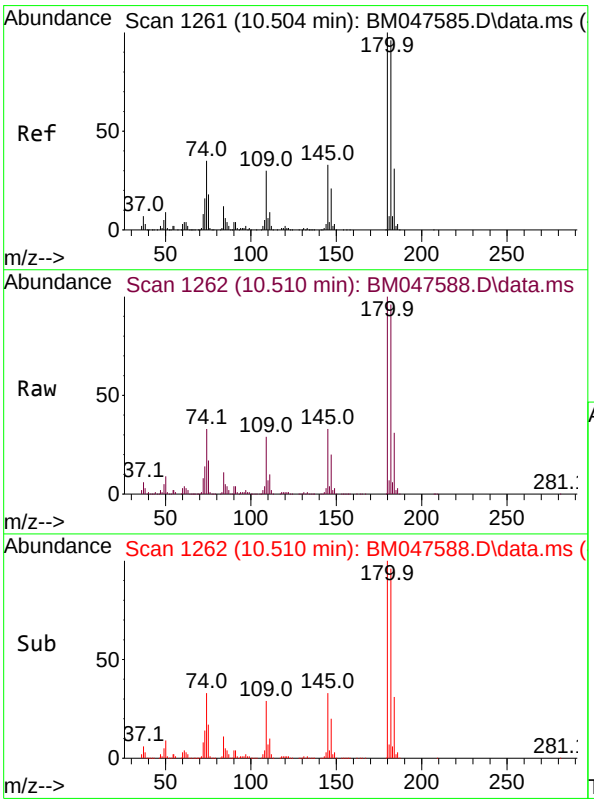
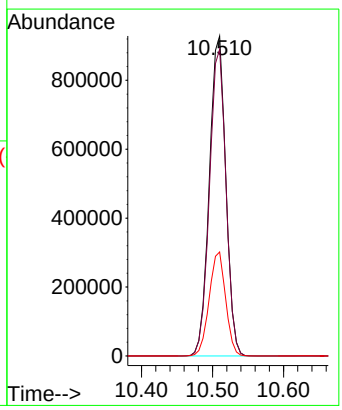


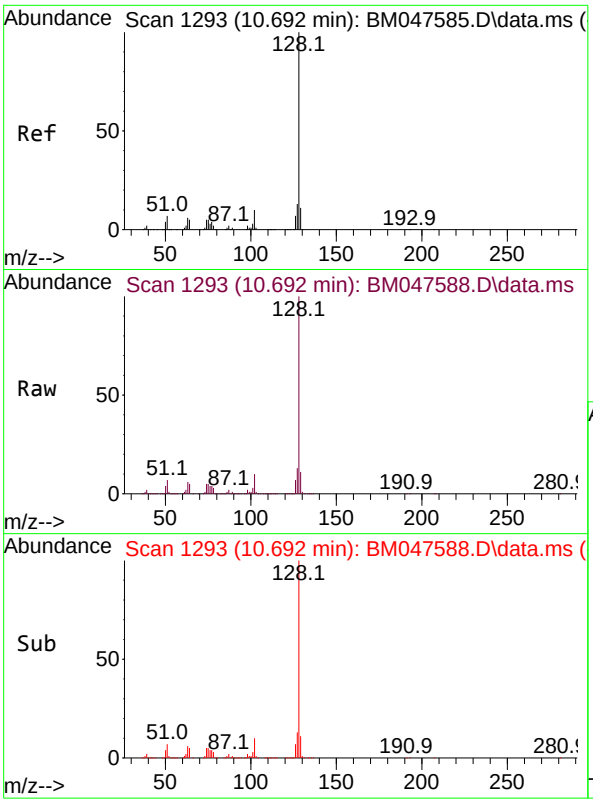


#30
1,2,4-Trichlorobenzene
Concen: 81.480 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:180 Resp: 1494100

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
145	32.5	26.2	39.2

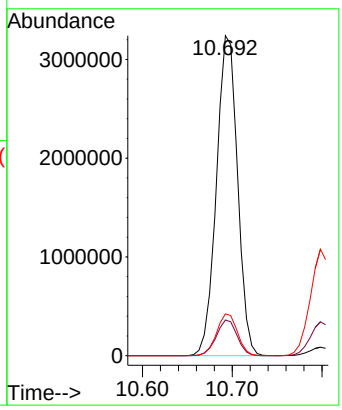




#31
Naphthalene
Concen: 81.726 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:128 Resp: 529180

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.0	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
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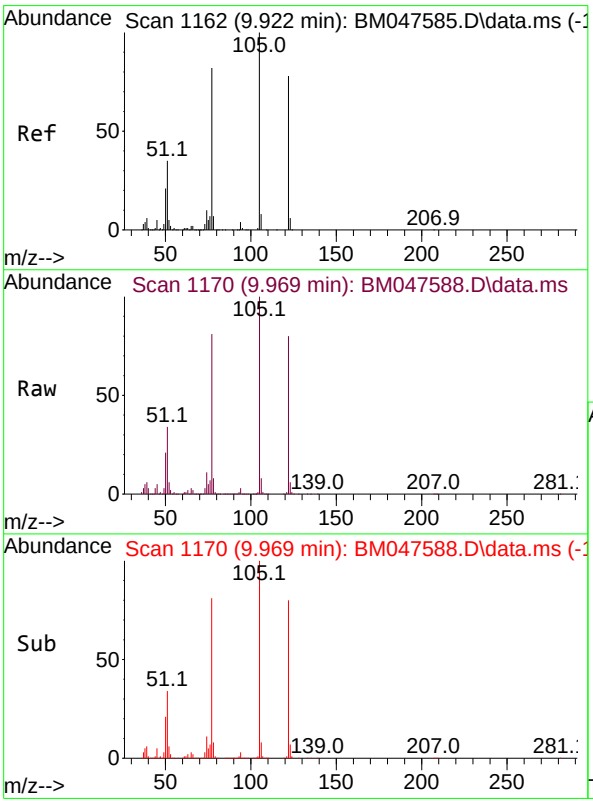
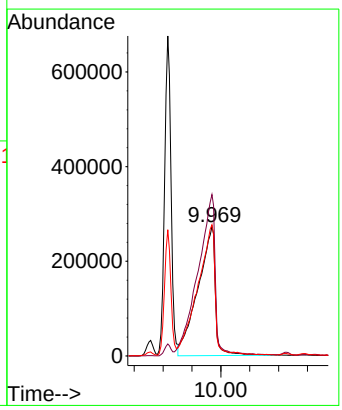
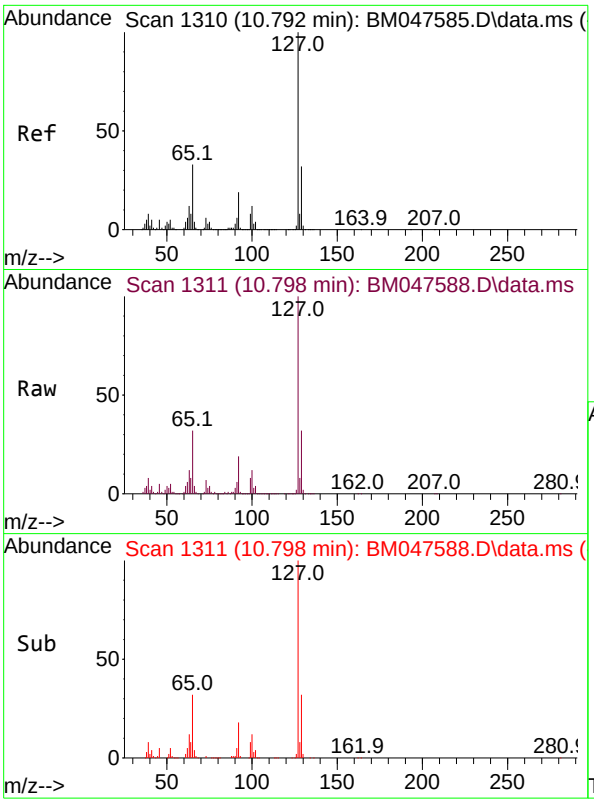


#32
Benzoic acid
Concen: 95.769 ng
RT: 9.969 min Scan# 1170
Delta R.T. 0.047 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:122 Resp: 1137571

Ion	Ratio	Lower	Upper
122	100		
105	125.0	103.1	143.1
77	101.6	82.4	122.4

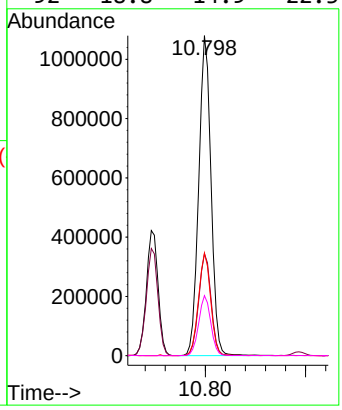




#33
4-Chloroaniline
Concen: 80.354 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:127 Resp: 183431

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.6	38.4
65	32.1	26.1	39.1
92	18.8	14.9	22.3



Instrument :
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ClientSampleId :
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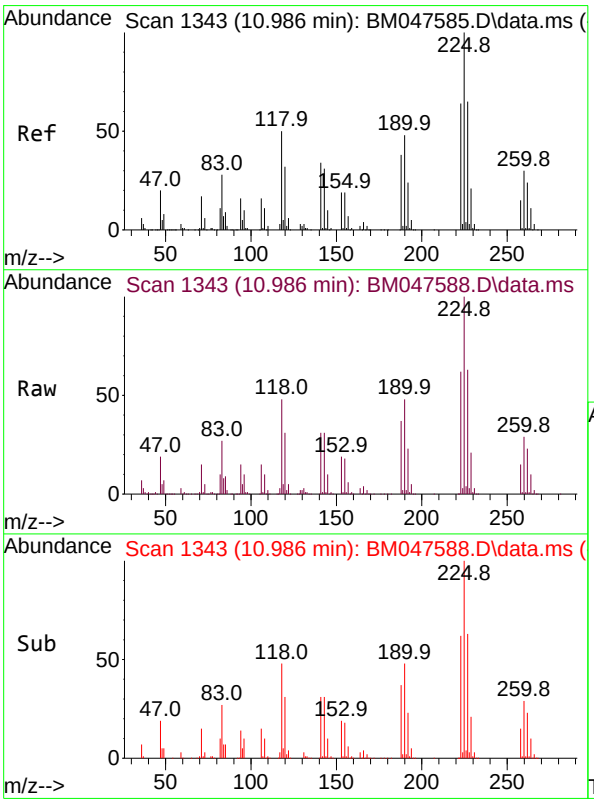
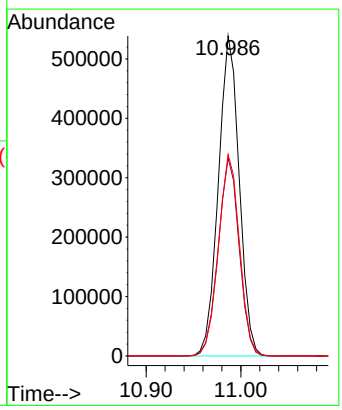
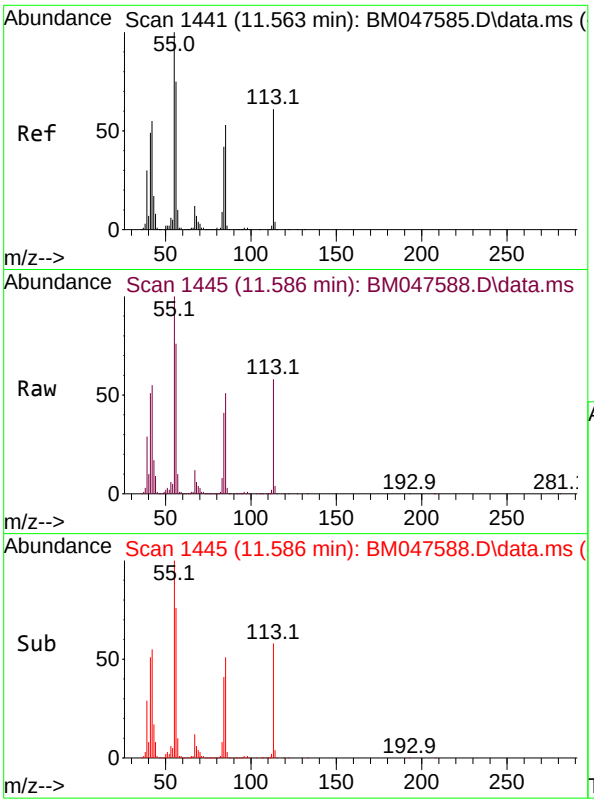


#34
Hexachlorobutadiene
Concen: 82.607 ng
RT: 10.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:225 Resp: 824331

Ion	Ratio	Lower	Upper
225	100		
223	61.8	51.4	77.0
227	63.0	52.1	78.1





#35
Caprolactam
Concen: 84.251 ng
RT: 11.586 min Scan# 14
Delta R.T. 0.024 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:113 Resp: 46851

Ion	Ratio	Lower	Upper
113	100		
55	172.6	145.5	185.5
56	130.5	103.9	143.9

Instrument :
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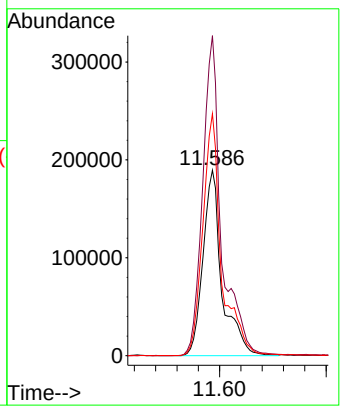
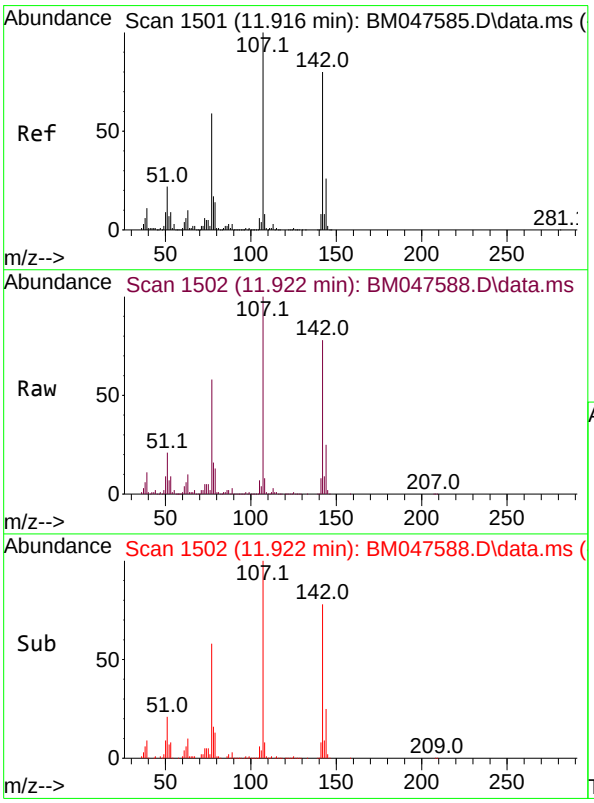
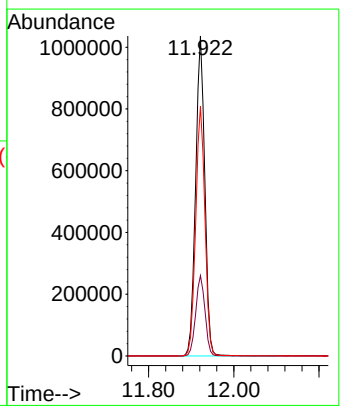


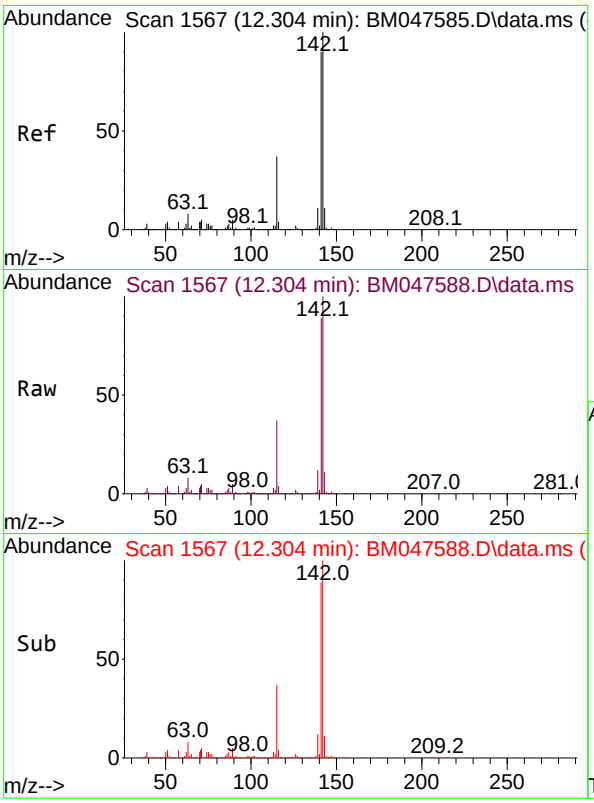


#36
4-Chloro-3-methylphenol
Concen: 84.433 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:107 Resp: 1549861

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	78.0	63.9	95.9

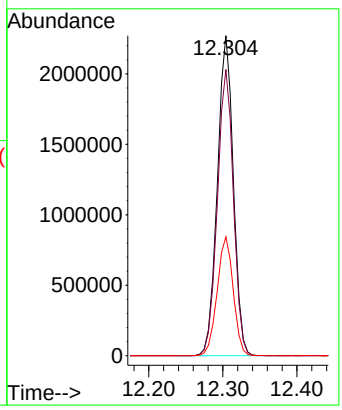




#37
2-Methylnaphthalene
Concen: 83.599 ng
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:142 Resp: 340078

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.7	107.5
115	37.1	29.5	44.3



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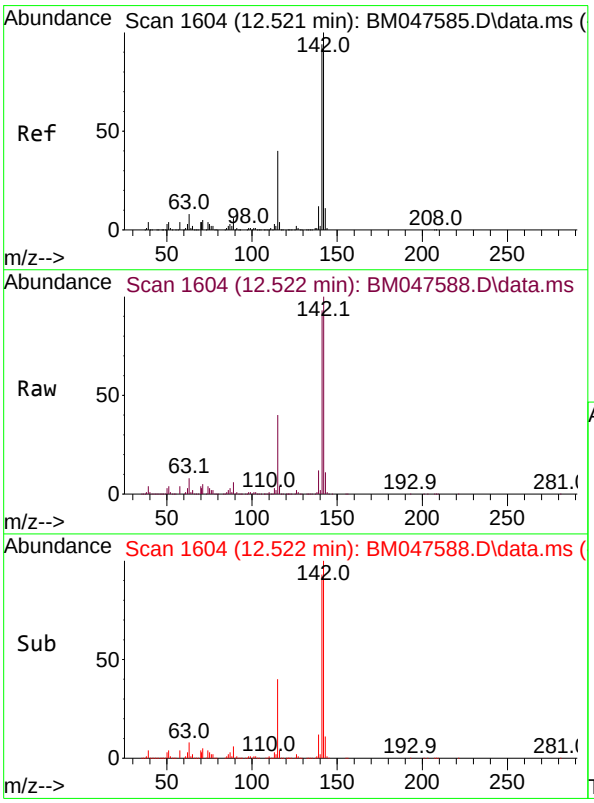
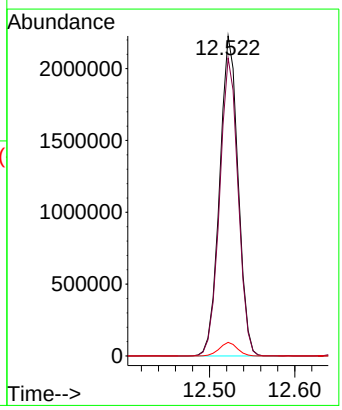
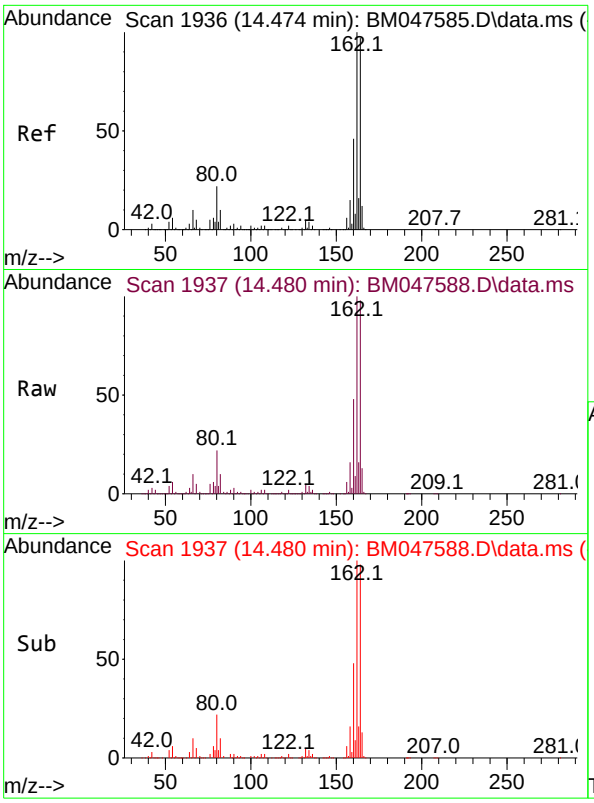


#38
1-Methylnaphthalene
Concen: 83.223 ng
RT: 12.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:142 Resp: 3358551

Ion	Ratio	Lower	Upper
142	100		
141	93.1	75.3	112.9
116	4.3	3.0	4.4

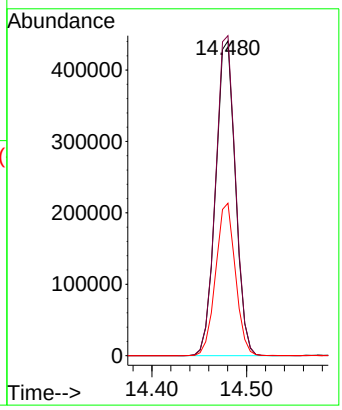




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:164 Resp: 64066

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	48.4	37.8	56.6



Instrument :
BNA_M
ClientSampleId :
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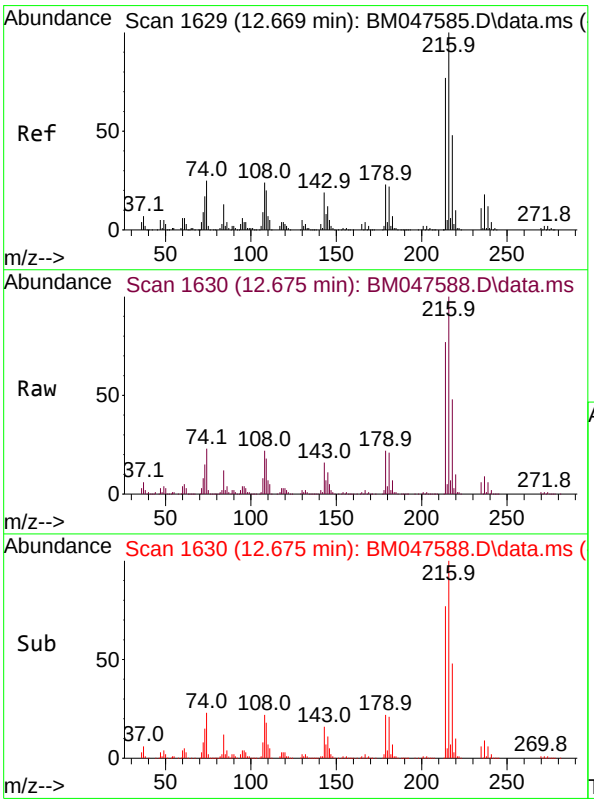
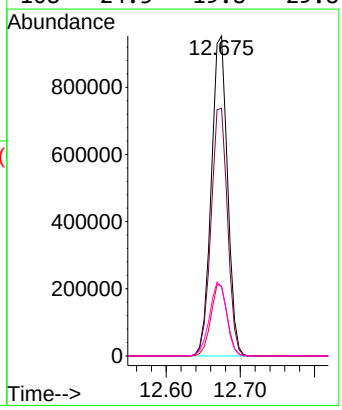
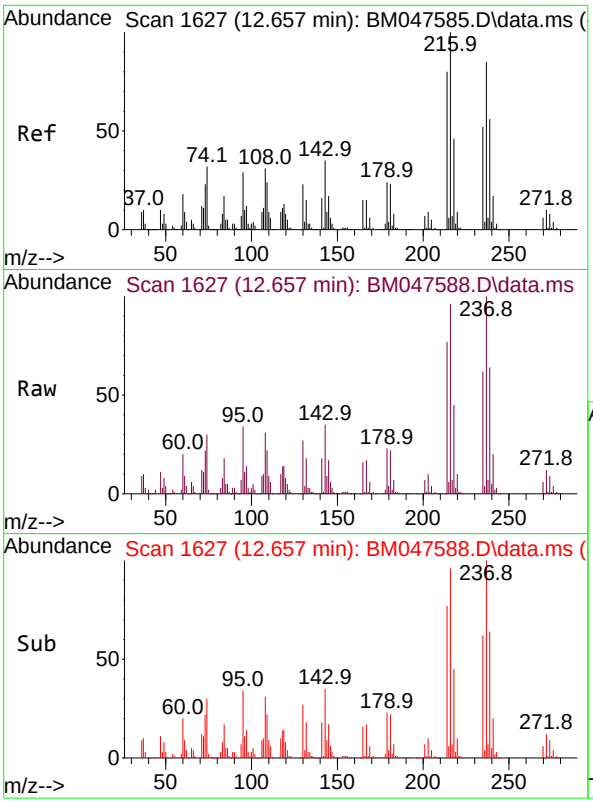


#40
1,2,4,5-Tetrachlorobenzene
Concen: 85.374 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:216 Resp: 1443396

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.8	94.2
179	22.6	18.5	27.7
108	24.5	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 86.212 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 48122

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.2	81.2
272	12.1	0.0	32.0

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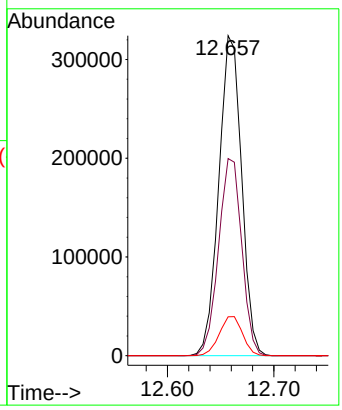
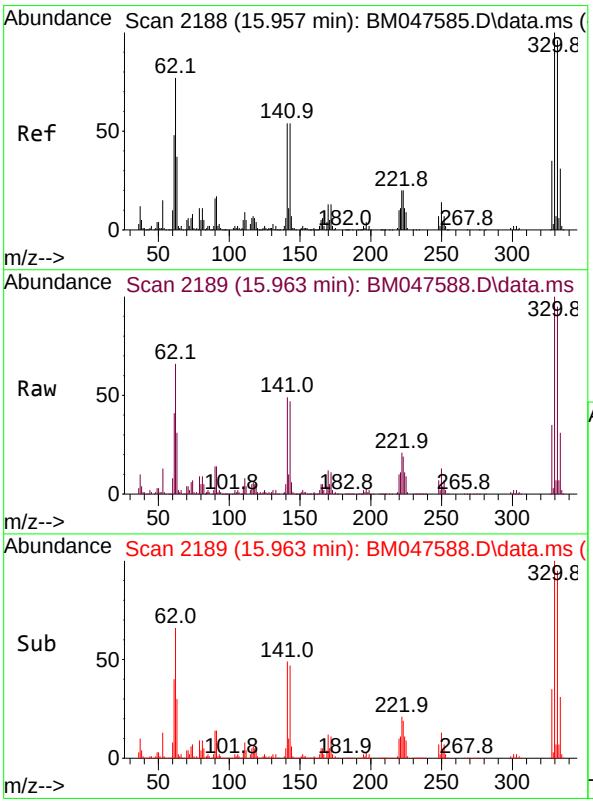
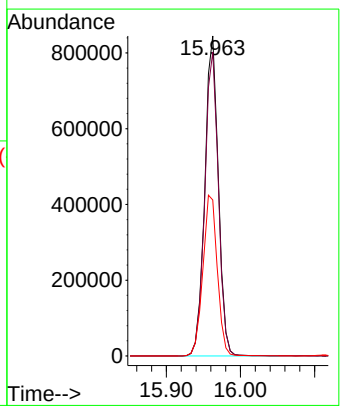


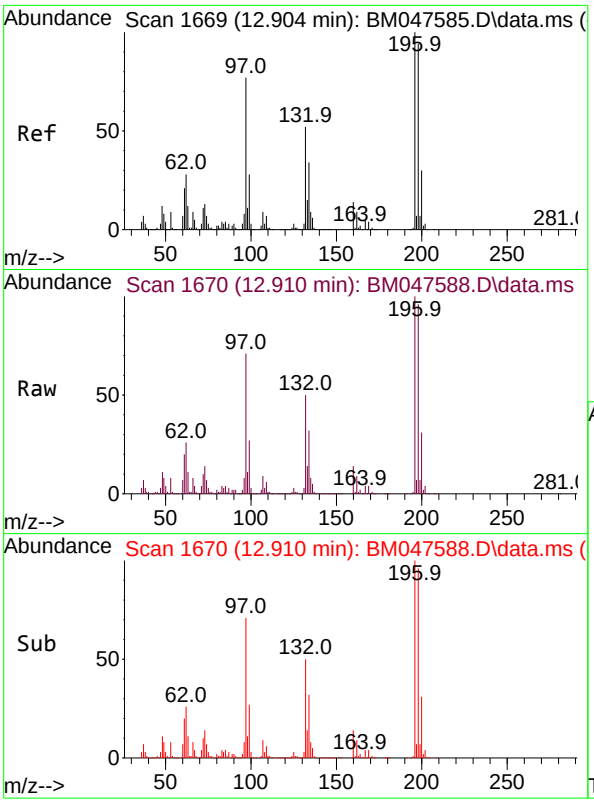


#42
2,4,6-Tribromophenol
Concen: 180.946 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:330 Resp: 1073437

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.4
141	53.6	45.9	68.9

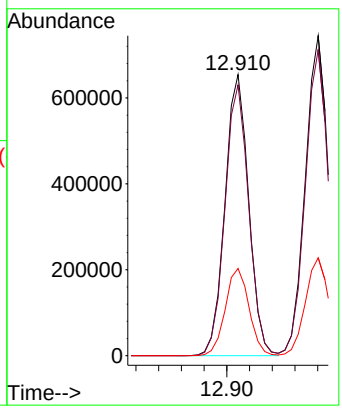




#43
2,4,6-Trichlorophenol
Concen: 86.480 ng
RT: 12.910 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:196 Resp: 95023

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.5	113.3
200	31.0	24.3	36.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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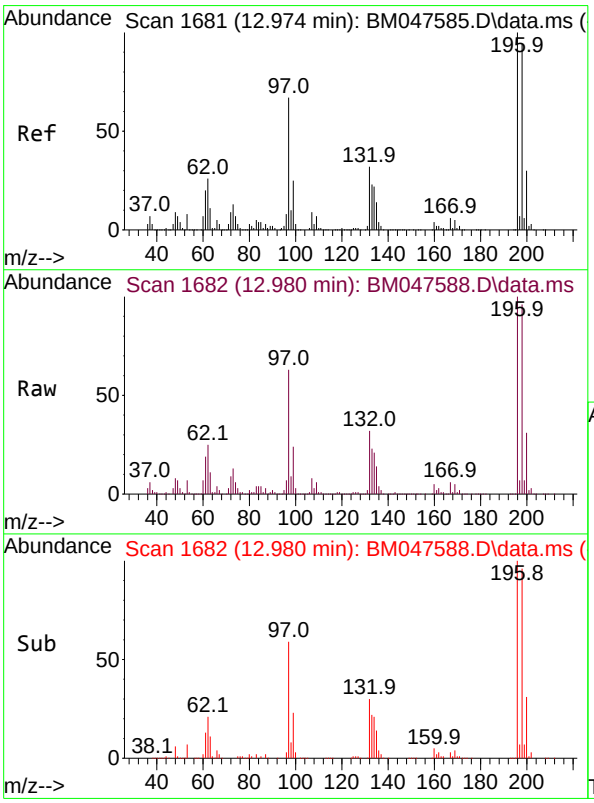
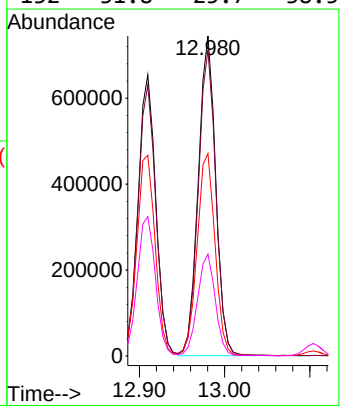
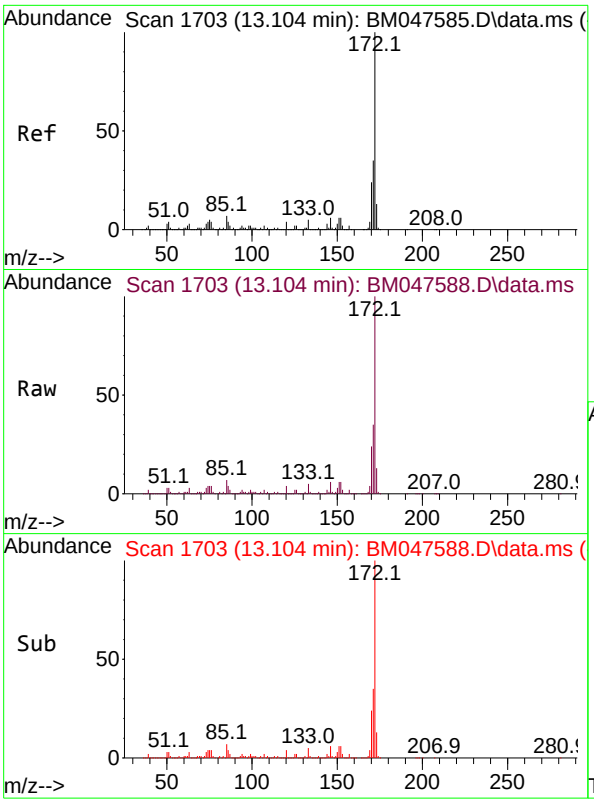


#44
2,4,5-Trichlorophenol
Concen: 85.949 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:196 Resp: 1061524

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.5	113.3
97	63.2	53.5	80.3
132	31.8	25.7	38.5

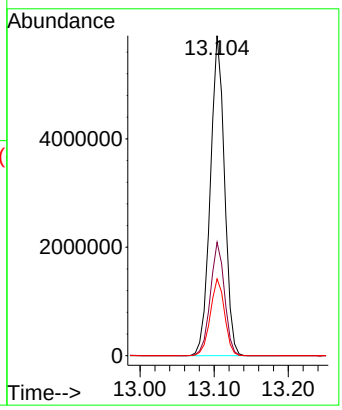




#45
2-Fluorobiphenyl
Concen: 172.919 ng
RT: 13.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:172 Resp: 782935

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	24.0	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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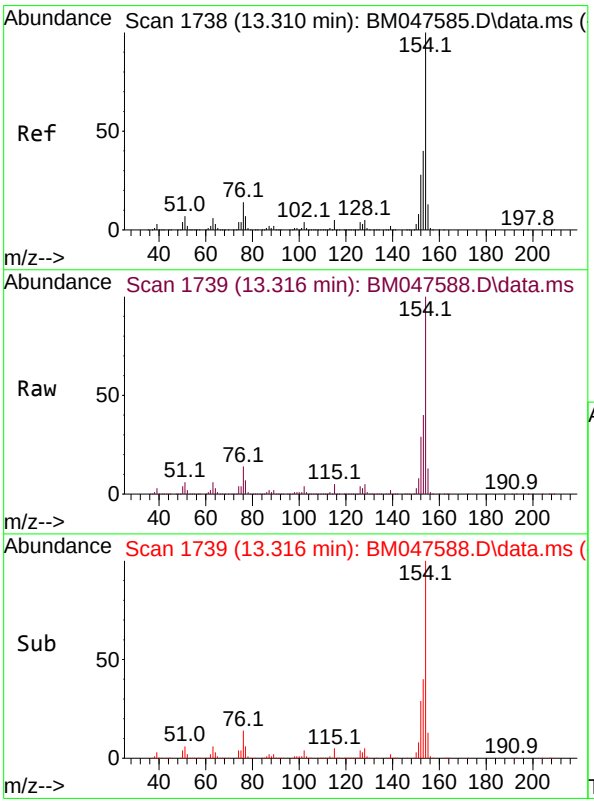
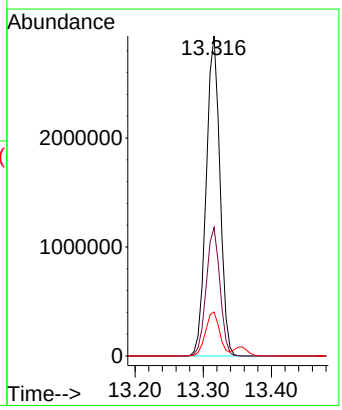
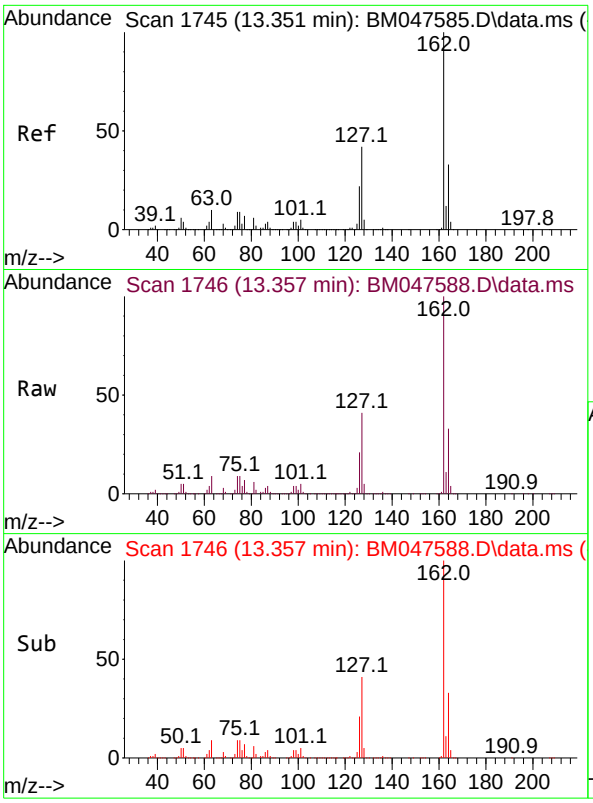


#46
1,1'-Biphenyl
Concen: 83.155 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:154 Resp: 4114286

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.9	59.9
76	13.8	0.0	34.5

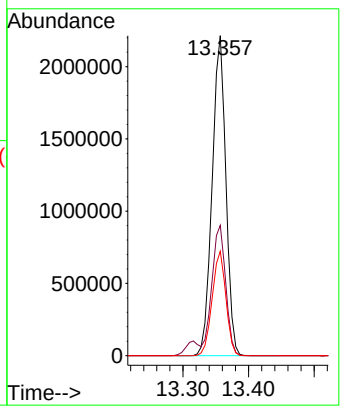




#47
2-Chloronaphthalene
Concen: 83.018 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:162 Resp: 321395

Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.8	50.6
164	32.6	26.2	39.4



Instrument :
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ClientSampleId :
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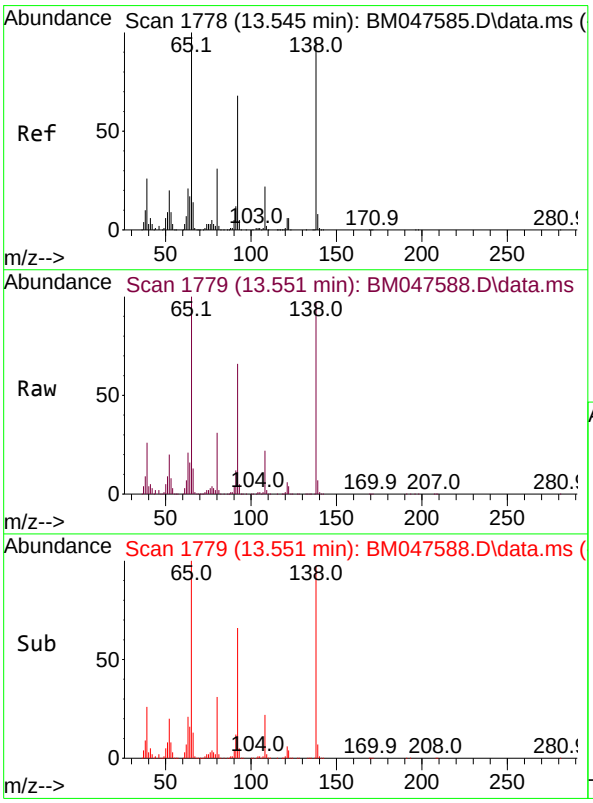
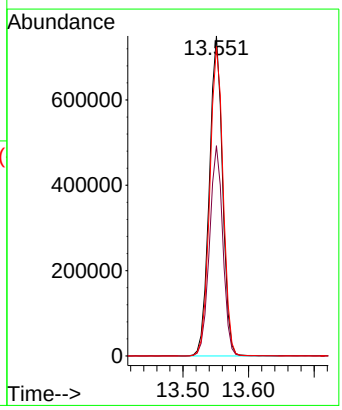
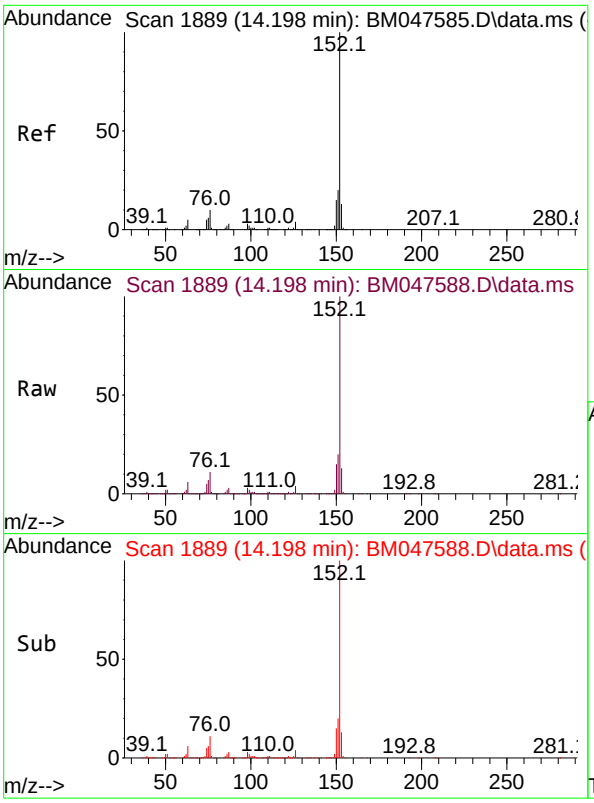


#48
2-Nitroaniline
Concen: 91.097 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 65 Resp: 1053321

Ion	Ratio	Lower	Upper
65	100		
92	65.7	54.2	81.4
138	96.6	76.6	114.8

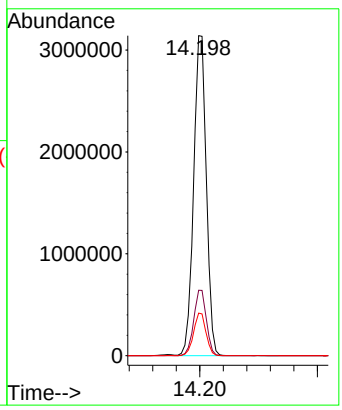




#49
Acenaphthylene
Concen: 84.334 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:152 Resp: 469841

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.3	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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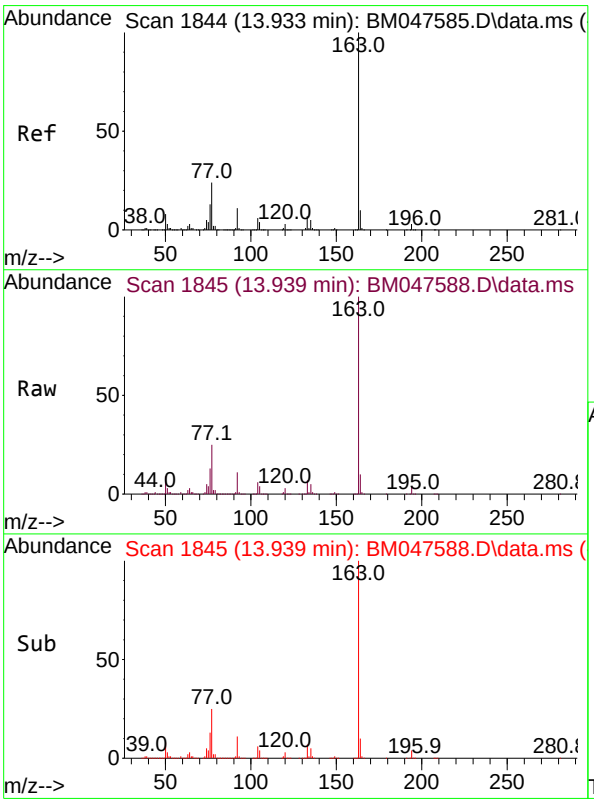
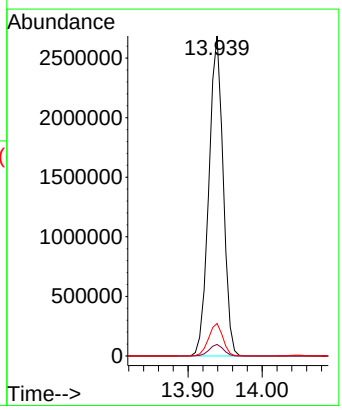
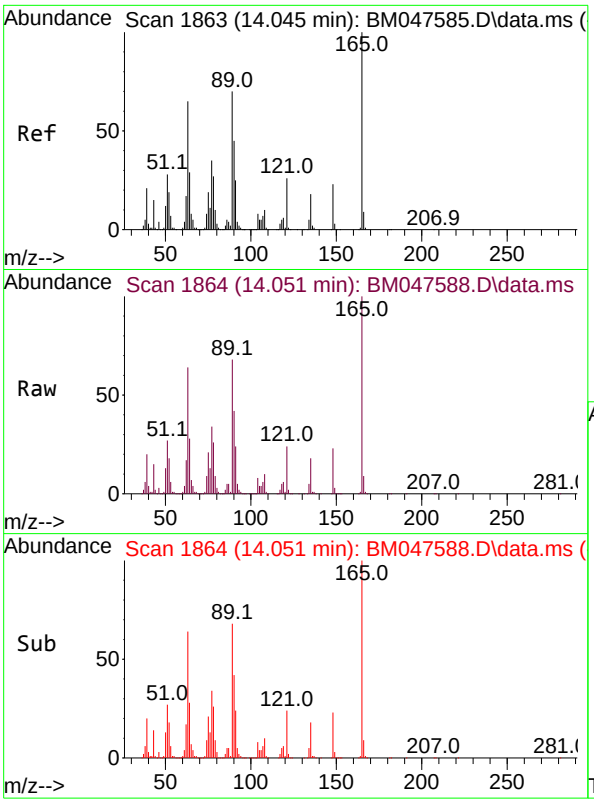


#50
Dimethylphthalate
Concen: 81.213 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:163 Resp: 3592419

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.2	8.2	12.2

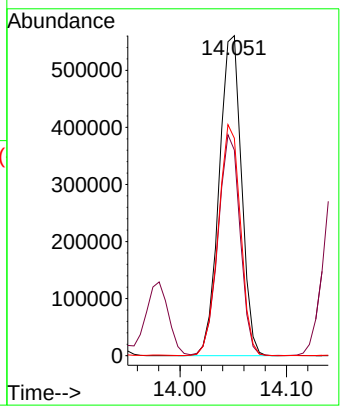




#51
2,6-Dinitrotoluene
Concen: 87.822 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:165 Resp: 81391

Ion	Ratio	Lower	Upper
165	100		
63	64.3	53.0	79.6
89	68.0	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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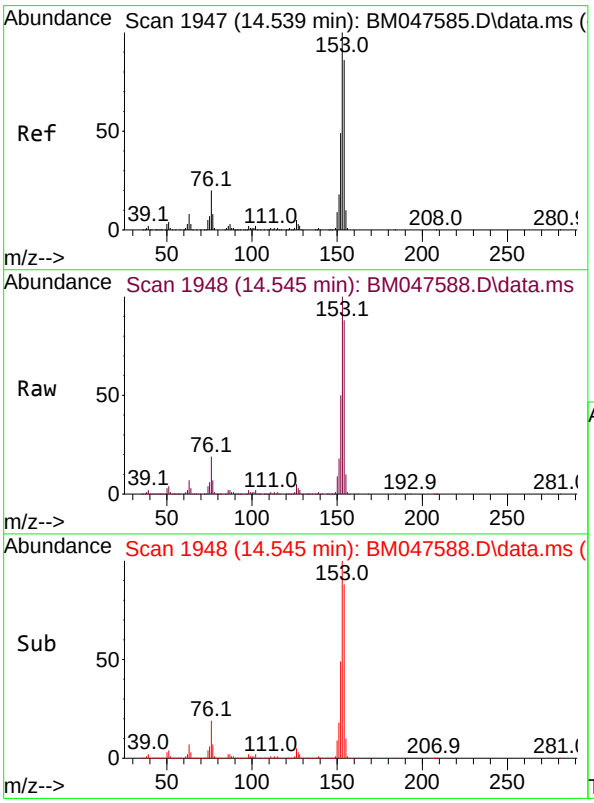
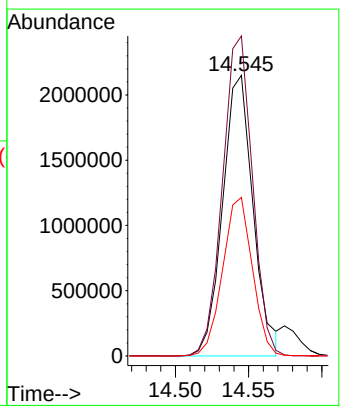
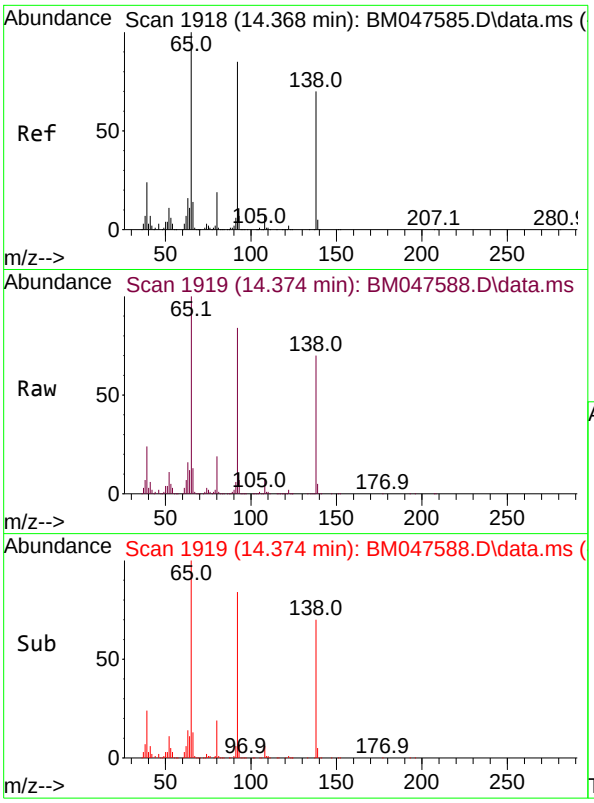


#52
Acenaphthene
Concen: 84.563 ng m
RT: 14.545 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:154 Resp: 3113078

Ion	Ratio	Lower	Upper
154	100		
153	114.1	92.8	139.2
152	56.5	45.7	68.5

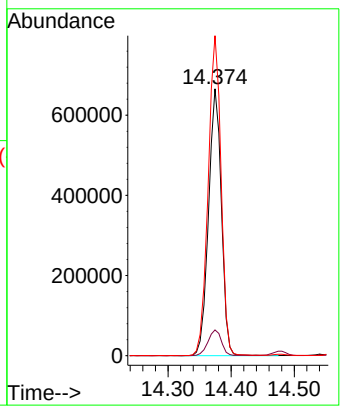




#53
3-Nitroaniline
Concen: 88.277 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:138 Resp: 93833

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.3	12.5
92	119.9	97.0	145.6



Instrument :
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ClientSampleId :
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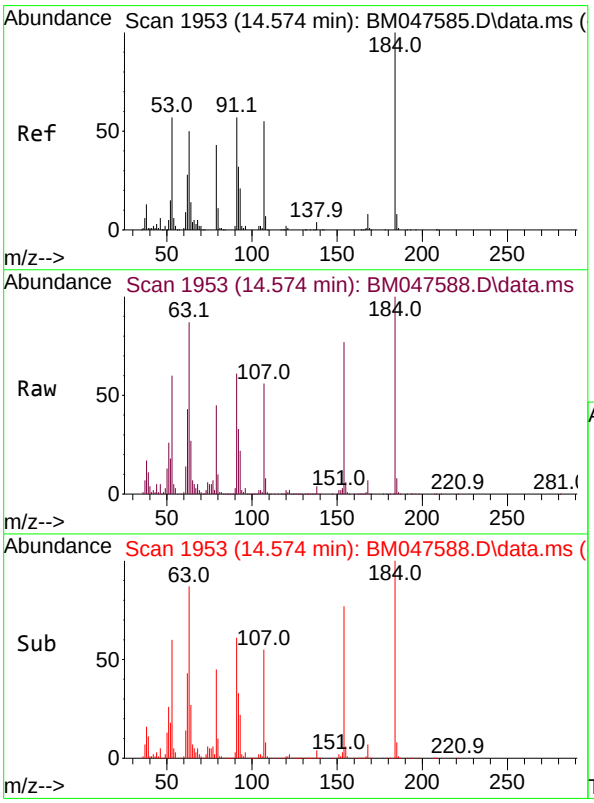
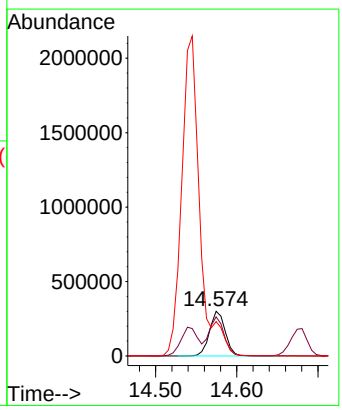
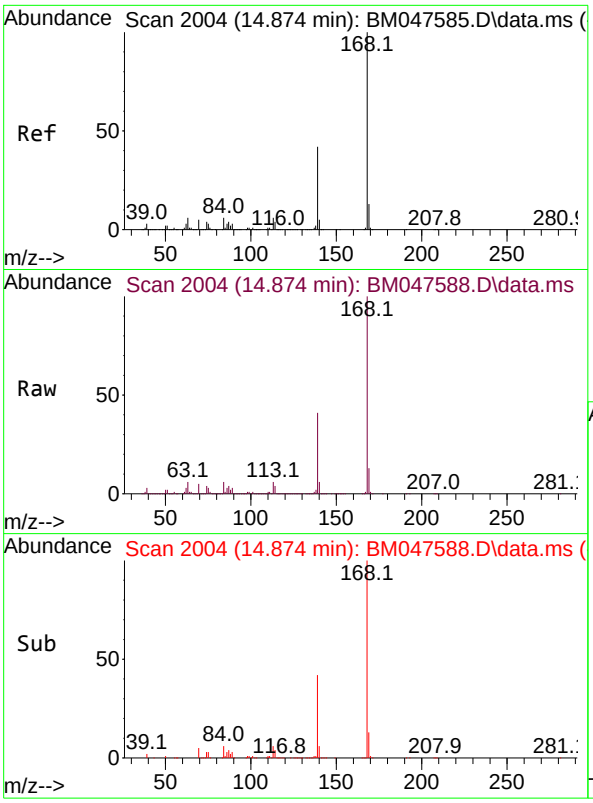


#54
2,4-Dinitrophenol
Concen: 96.125 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:184 Resp: 403856

Ion	Ratio	Lower	Upper
184	100		
63	87.3	69.0	103.6
154	76.8	59.7	89.5

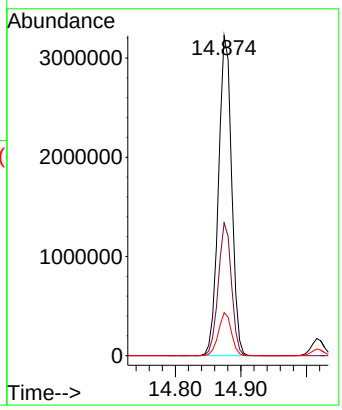




#55
Dibenzofuran
Concen: 82.975 ng
RT: 14.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:168 Resp: 446277

Ion	Ratio	Lower	Upper
168	100		
139	41.5	33.4	50.2
169	13.5	10.4	15.6



Instrument :
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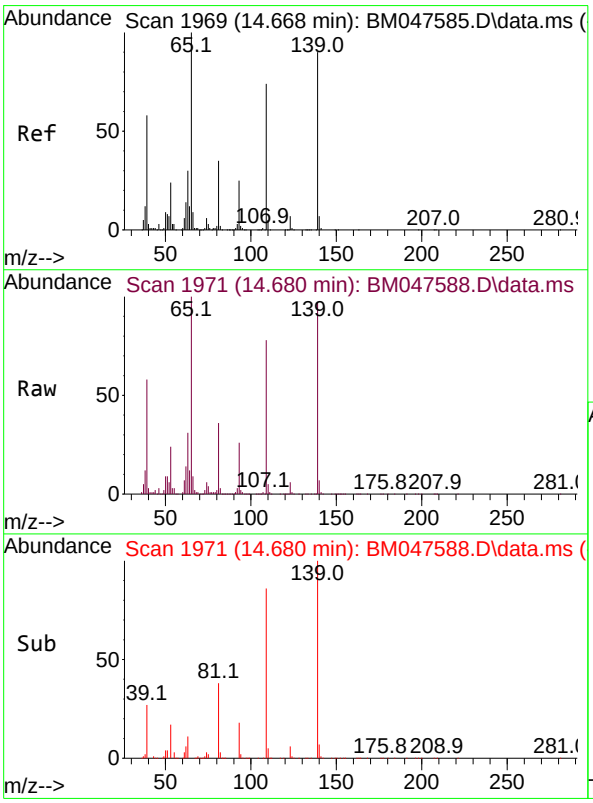
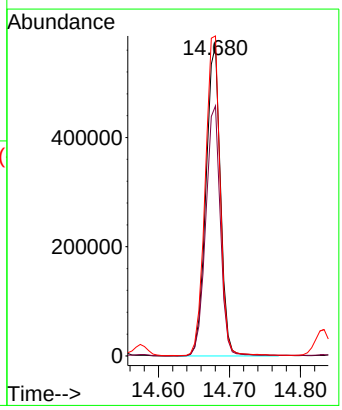
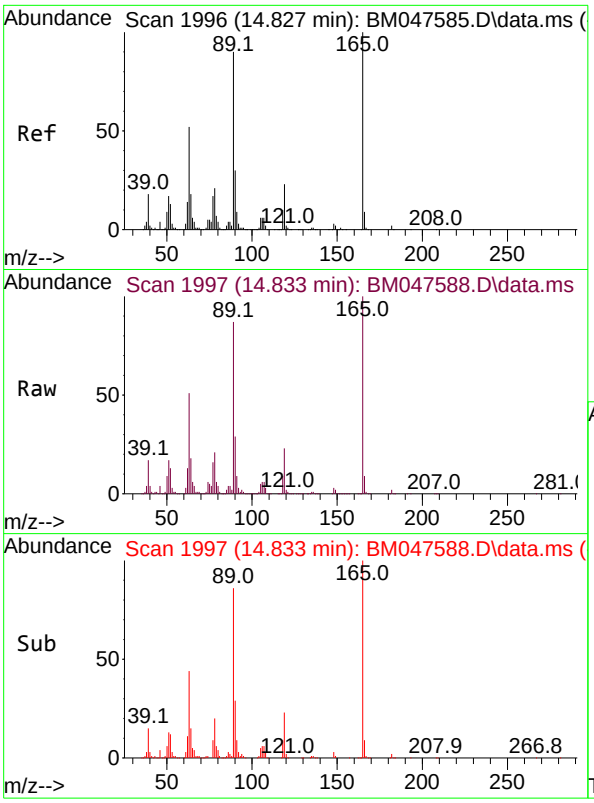


#56
4-Nitrophenol
Concen: 89.248 ng
RT: 14.680 min Scan# 1971
Delta R.T. 0.012 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:139 Resp: 812902

Ion	Ratio	Lower	Upper
139	100		
109	80.6	63.1	103.1
65	103.1	91.8	131.8

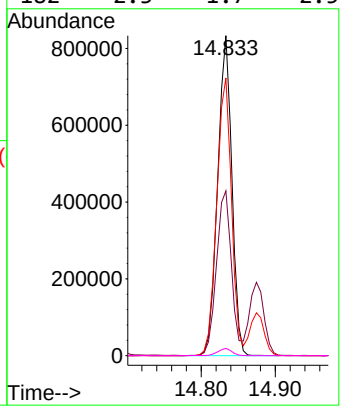




#57
2,4-Dinitrotoluene
Concen: 89.903 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:165 Resp: 111024

Ion	Ratio	Lower	Upper
165	100		
63	51.5	41.6	62.4
89	86.8	71.7	107.5
182	2.3	1.7	2.5



Instrument :
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ClientSampleId :
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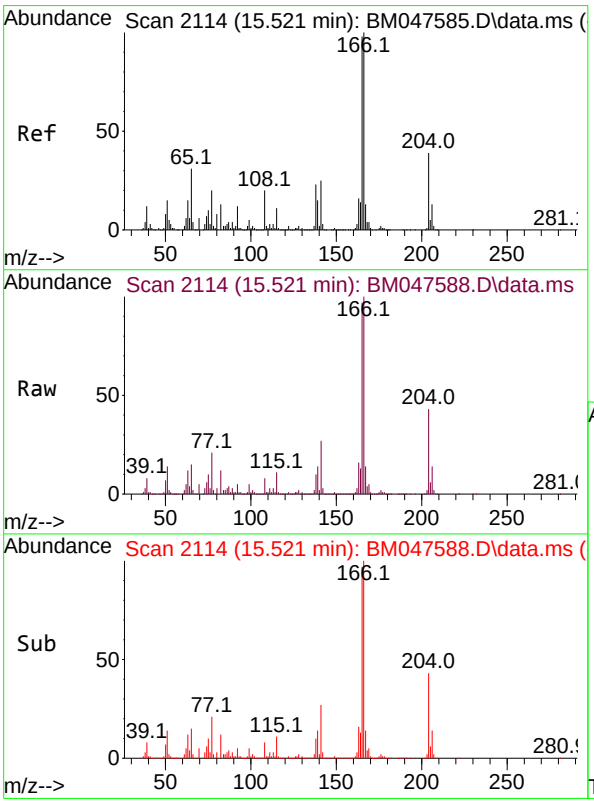
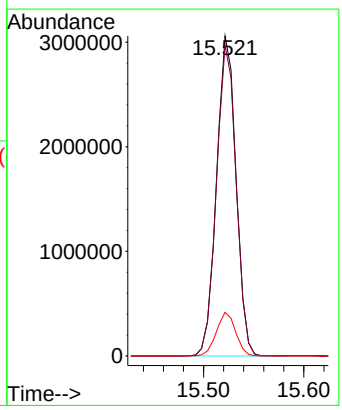
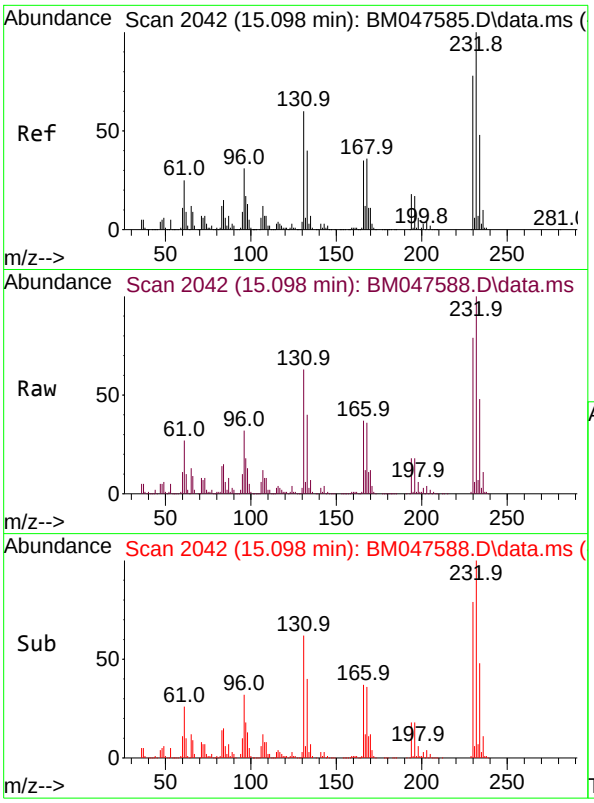


#58
Fluorene
Concen: 86.827 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:166 Resp: 4133115

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.4	117.6
167	13.7	10.5	15.7

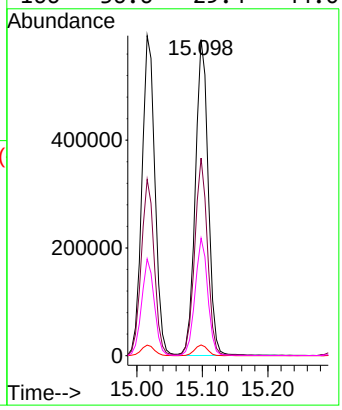




#59
2,3,4,6-Tetrachlorophenol
Concen: 85.100 ng
RT: 15.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:232 Resp: 80342

Ion	Ratio	Lower	Upper
232	100		
131	62.1	50.3	75.5
130	3.4	3.0	4.4
166	36.6	29.4	44.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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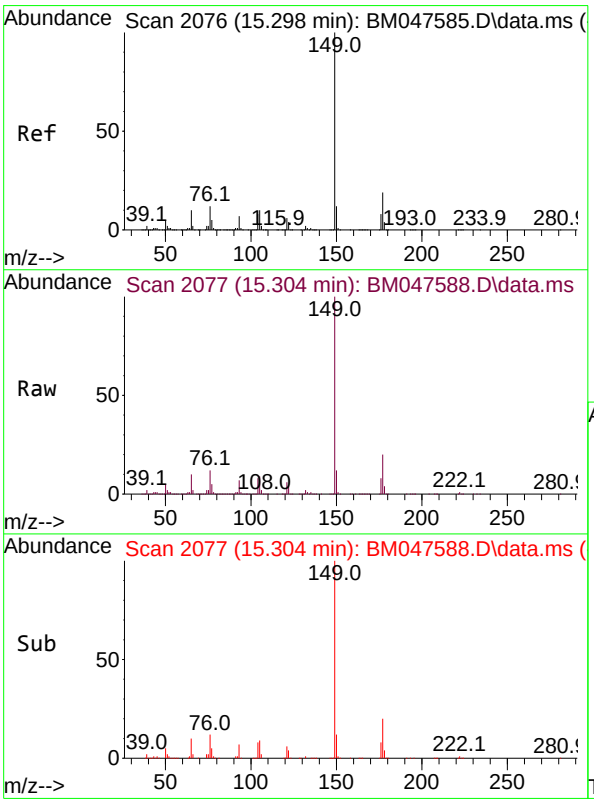
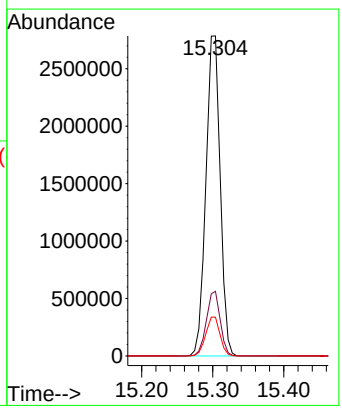
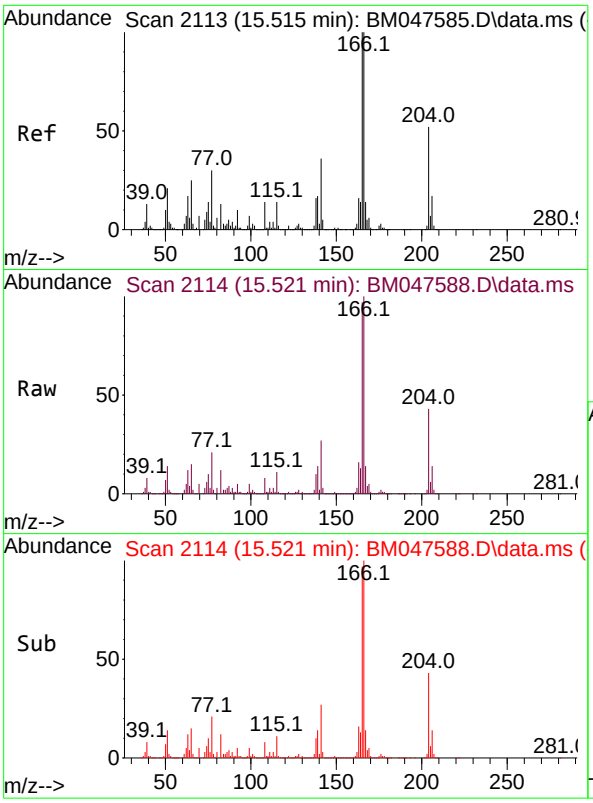


#60
Diethylphthalate
Concen: 82.772 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:149 Resp: 3903431

Ion	Ratio	Lower	Upper
149	100		
177	20.2	15.4	23.0
150	12.1	9.4	14.0





#61
4-Chlorophenyl-phenylether
Concen: 87.172 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 181312

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.2
141	63.7	55.3	82.9

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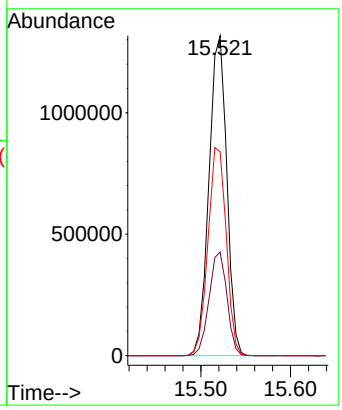
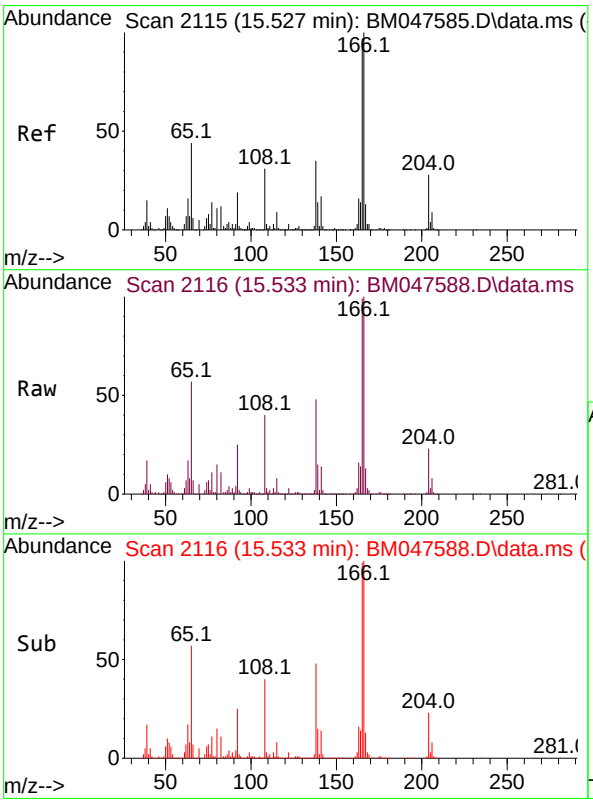
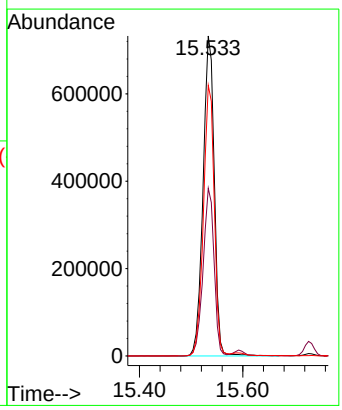


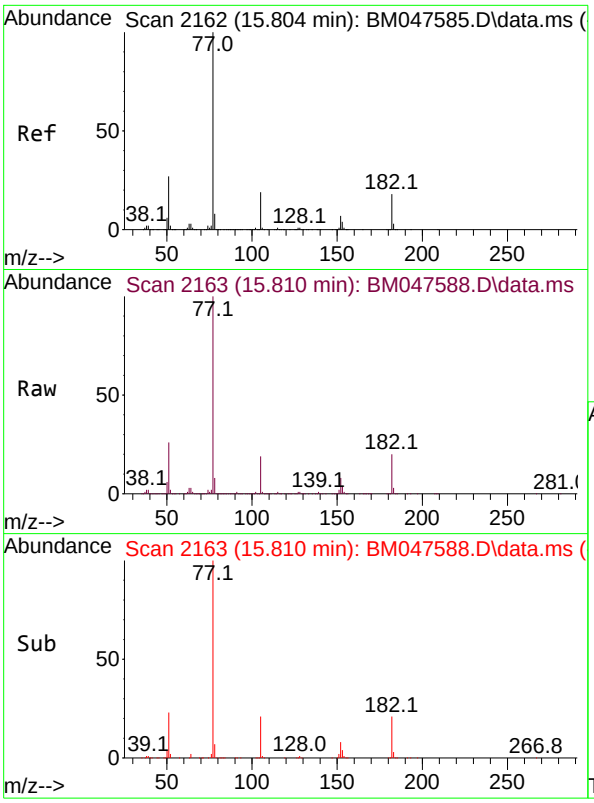


#62
4-Nitroaniline
Concen: 92.337 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:138 Resp: 1105880

Ion	Ratio	Lower	Upper
138	100		
92	52.4	33.3	73.3
108	84.5	66.2	106.2

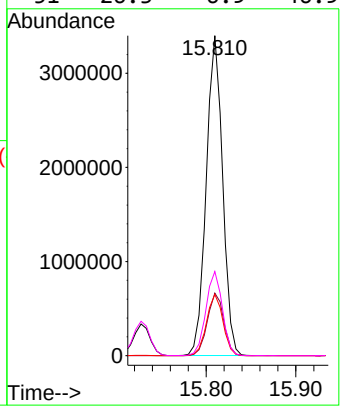




#63
Azobenzene
Concen: 83.492 ng
RT: 15.810 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion: 77 Resp: 430458

Ion	Ratio	Lower	Upper
77	100		
182	19.5	0.0	38.2
105	19.1	0.0	38.8
51	26.3	6.9	46.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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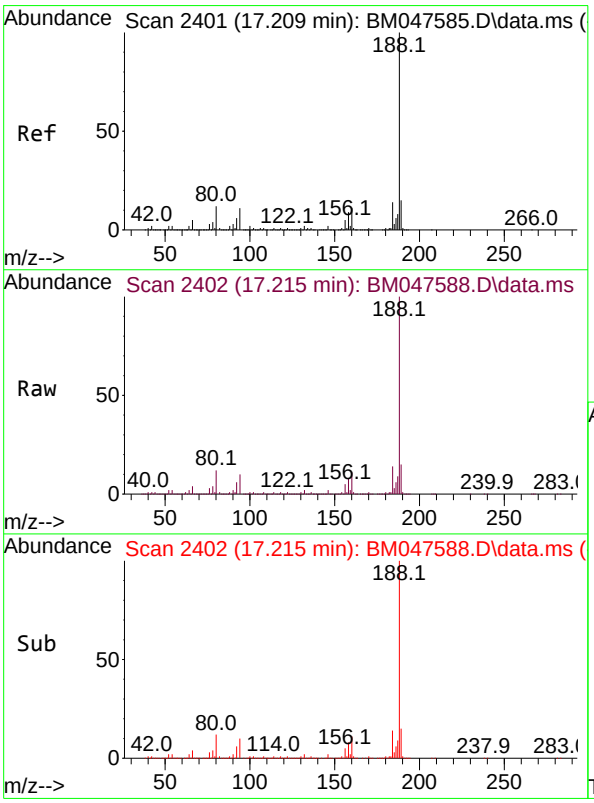
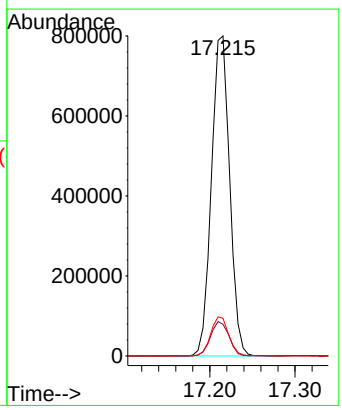
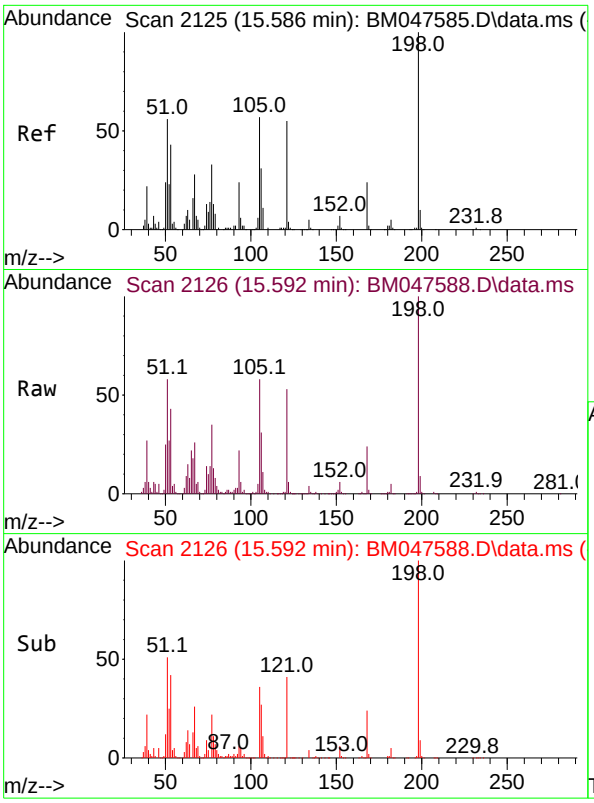


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:188 Resp: 1187048

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.6	13.0
80	11.8	9.9	14.9

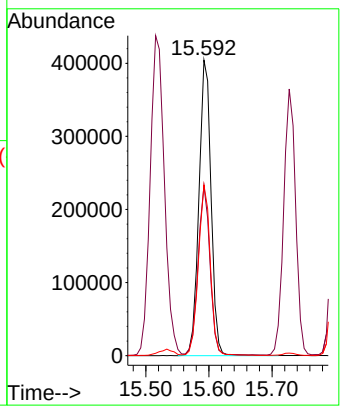




#65
4,6-Dinitro-2-methylphenol
Concen: 95.509 ng
RT: 15.592 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:198 Resp: 53721

Ion	Ratio	Lower	Upper
198	100		
51	57.5	38.2	78.2
105	57.8	38.0	78.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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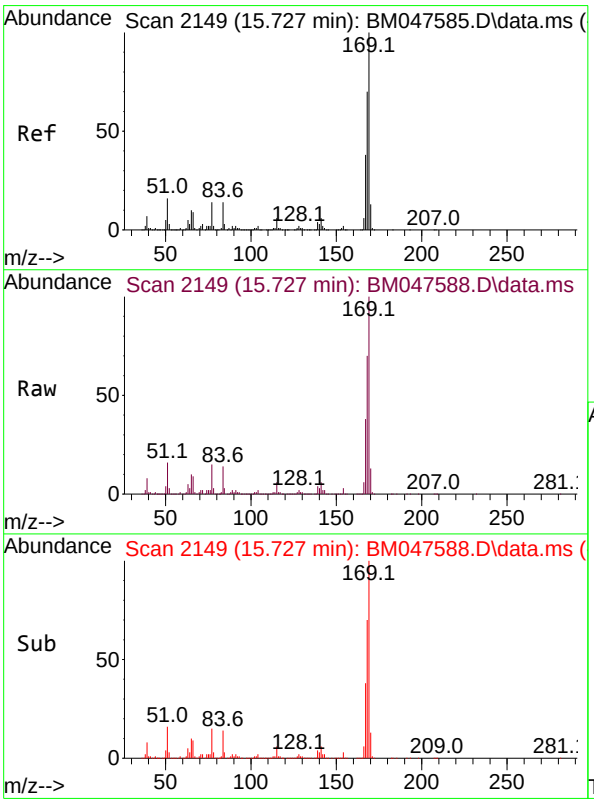
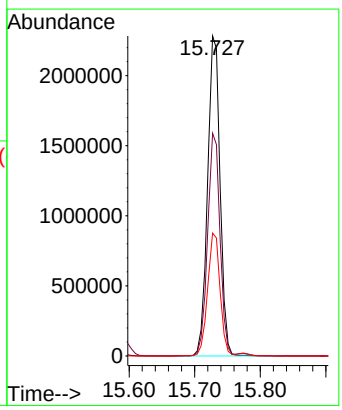
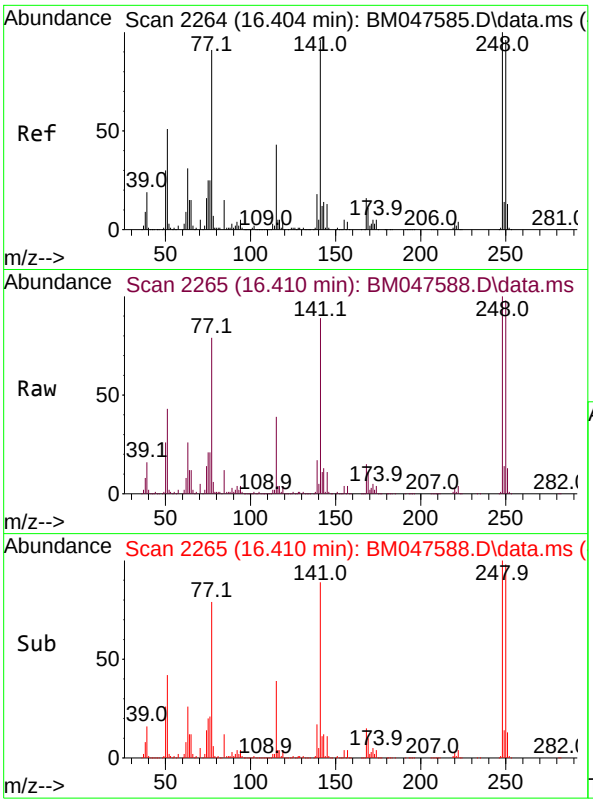


#66
n-Nitrosodiphenylamine
Concen: 85.064 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:169 Resp: 3015825

Ion	Ratio	Lower	Upper
169	100		
168	69.6	55.8	83.8
167	38.4	30.7	46.1

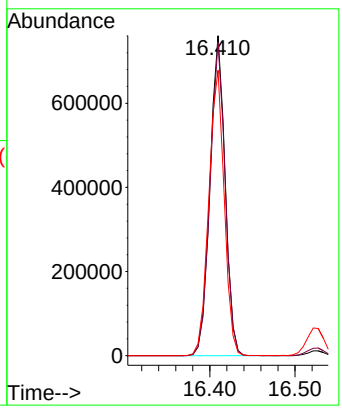




#67
4-Bromophenyl-phenylether
Concen: 86.968 ng
RT: 16.410 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:248 Resp: 93780

Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.7	115.1
141	89.2	76.7	115.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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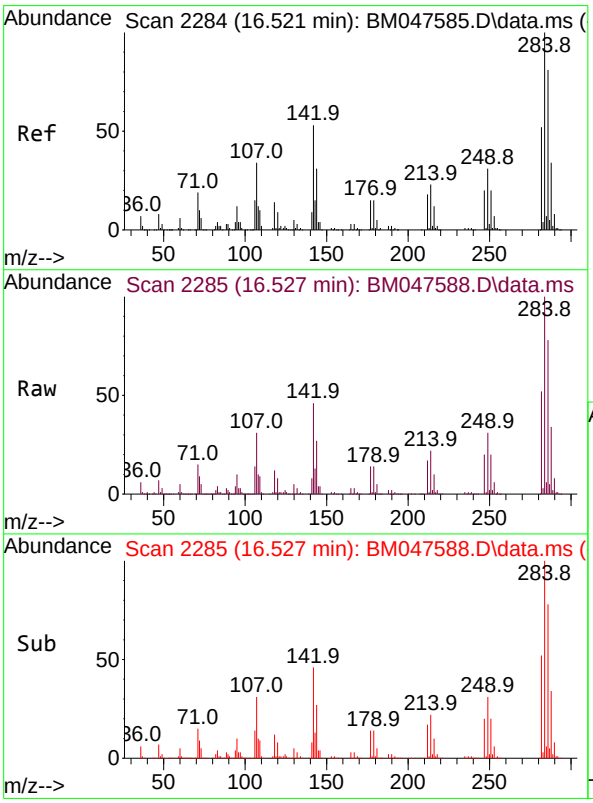
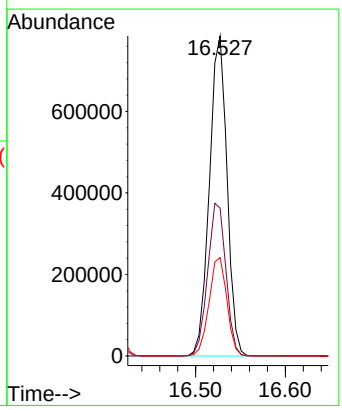
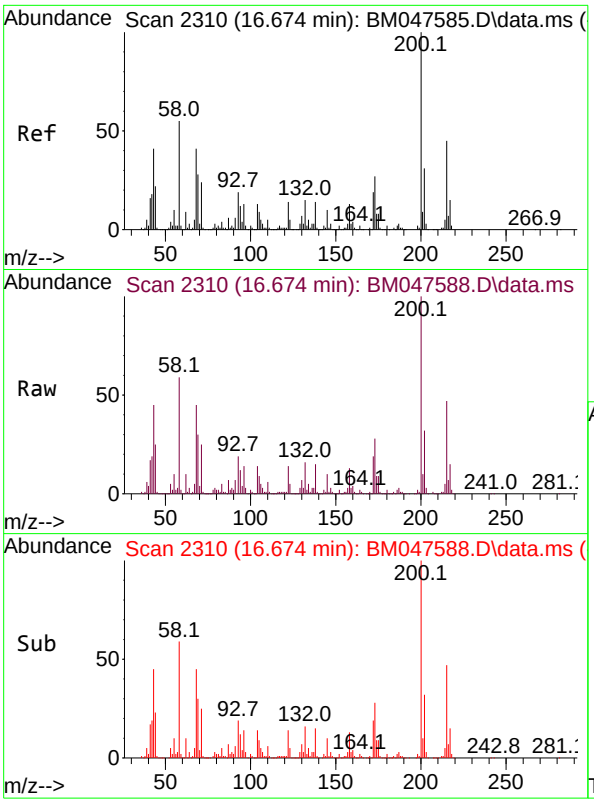


#68
Hexachlorobenzene
Concen: 84.940 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:284 Resp: 1070758

Ion	Ratio	Lower	Upper
284	100		
142	46.2	42.5	63.7
249	30.7	25.0	37.6





#69
Atrazine
Concen: 64.618 ng
RT: 16.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:200 Resp: 55152

Ion	Ratio	Lower	Upper
200	100		
173	28.1	7.4	47.4
215	46.6	24.5	64.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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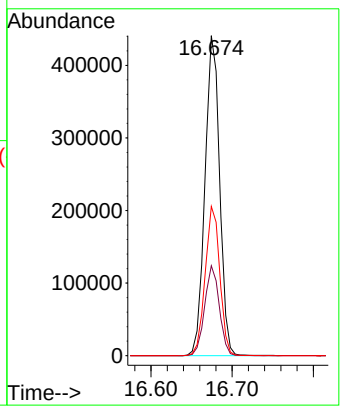
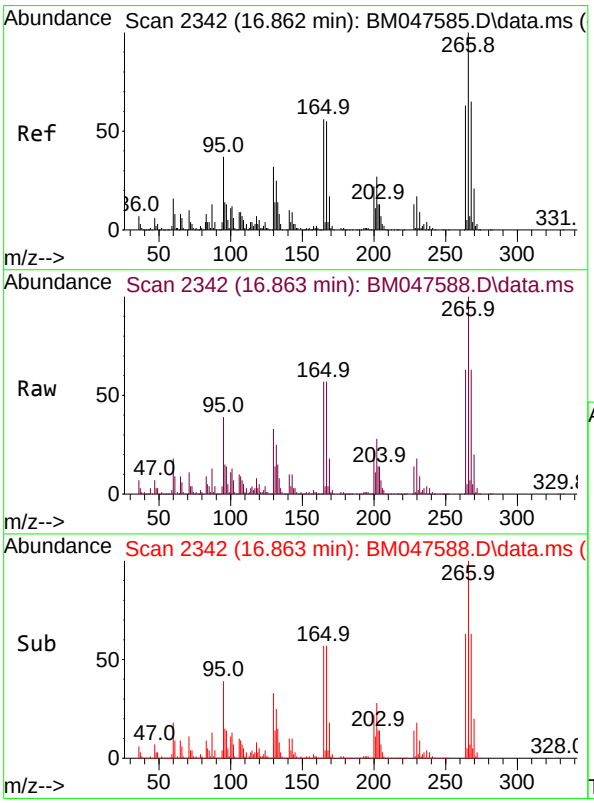
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

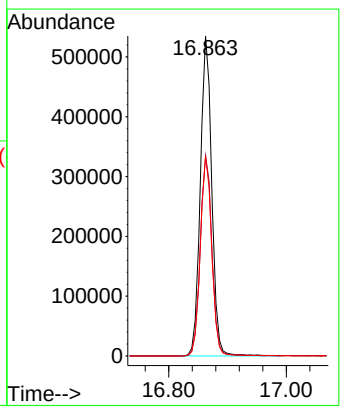


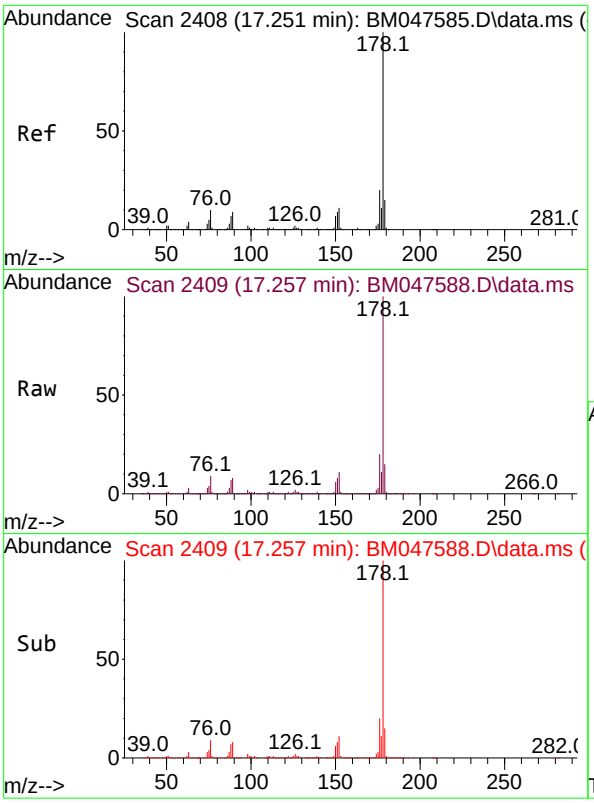


#70
Pentachlorophenol
Concen: 91.071 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:266 Resp: 720563

Ion	Ratio	Lower	Upper
266	100		
268	62.7	52.2	78.4
264	62.5	50.0	75.0

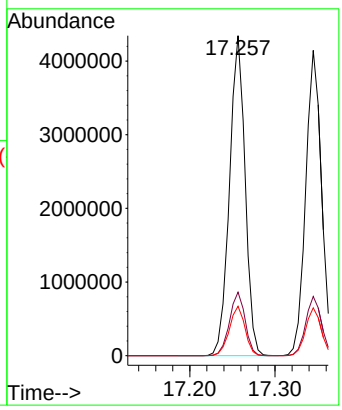




#71
Phenanthrene
Concen: 85.836 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:178 Resp: 553082(

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.4	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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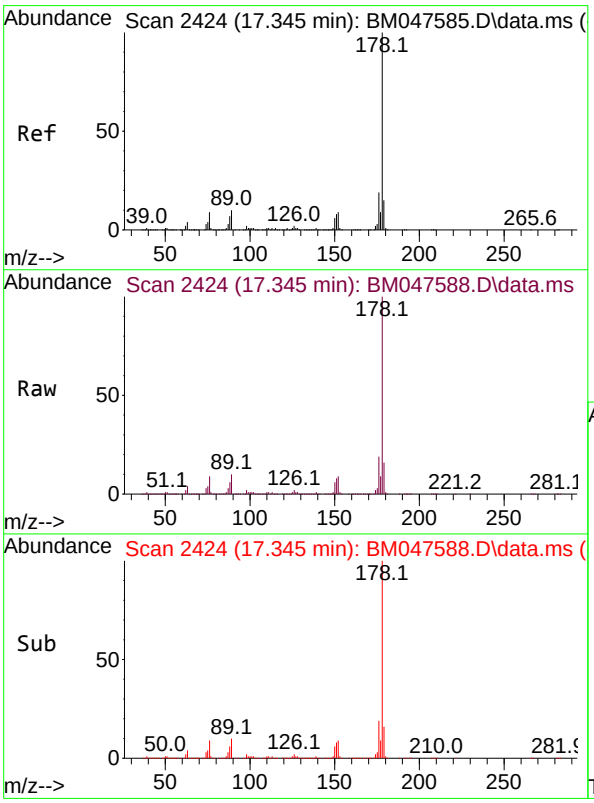
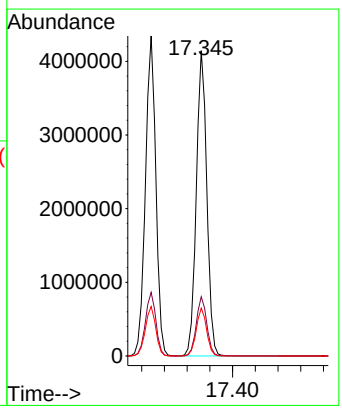
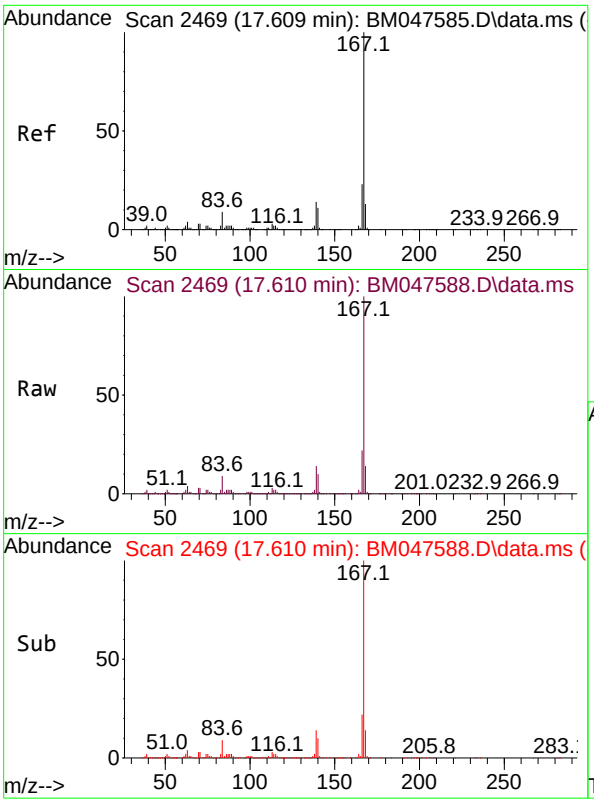


#72
Anthracene
Concen: 87.689 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:178 Resp: 5353268

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.2	18.2

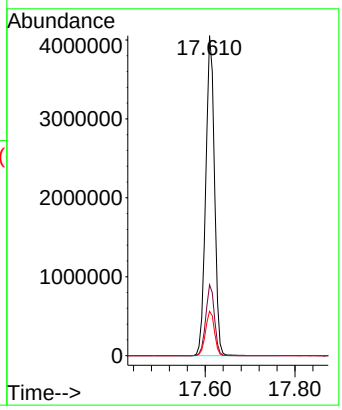




#73
Carbazole
Concen: 86.255 ng
RT: 17.610 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:167 Resp: 548696

Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.0	27.0
139	13.9	11.3	16.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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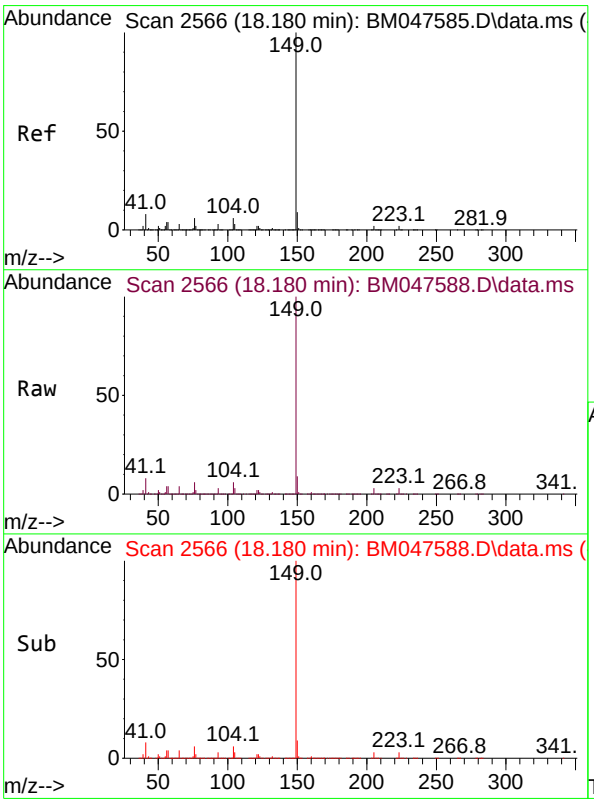
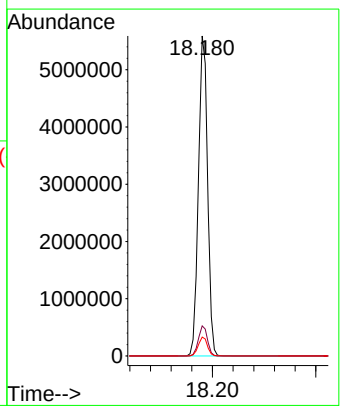
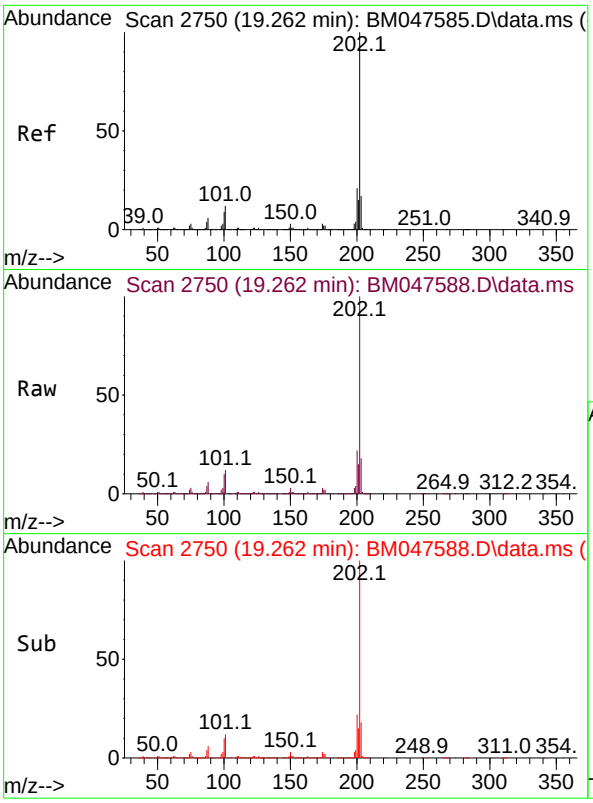


#74
Di-n-butylphthalate
Concen: 88.982 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:149 Resp: 6846398

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.9	4.7	7.1





#75
Fluoranthene
Concen: 90.228 ng
RT: 19.262 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:202 Resp: 639977

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.2
203	18.0	0.0	37.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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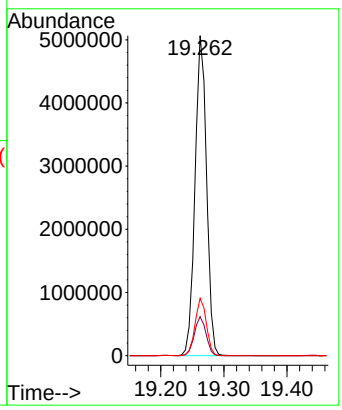
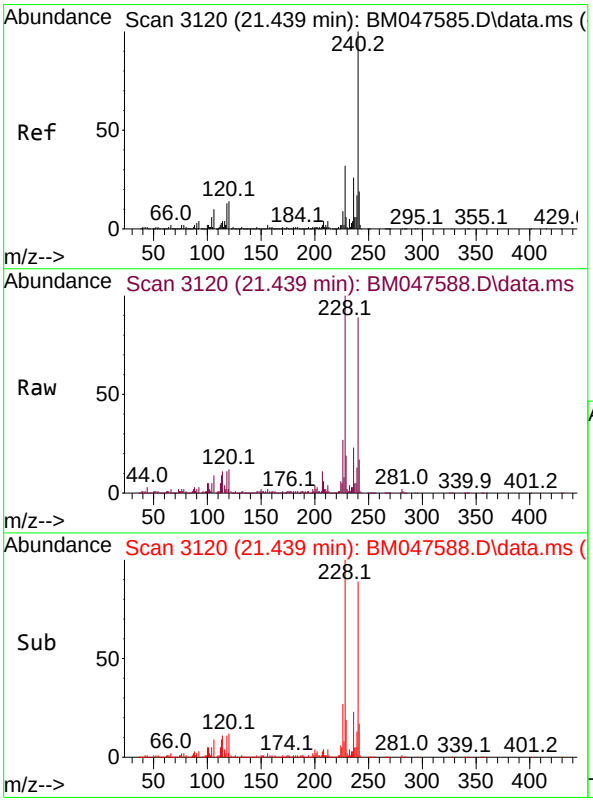
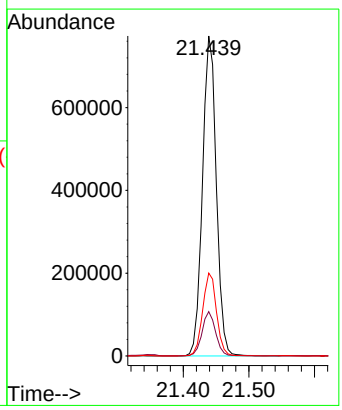


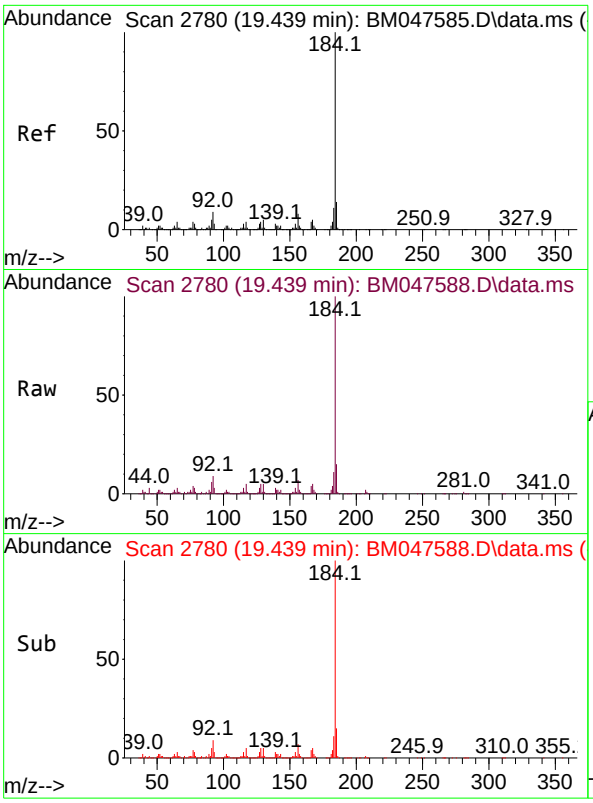


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:240 Resp: 1135693

Ion	Ratio	Lower	Upper
240	100		
120	13.8	10.8	16.2
236	25.9	20.8	31.2

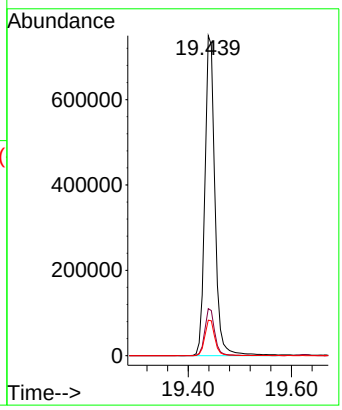




#77
Benzidine
Concen: 65.354 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:184 Resp: 101078

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.1	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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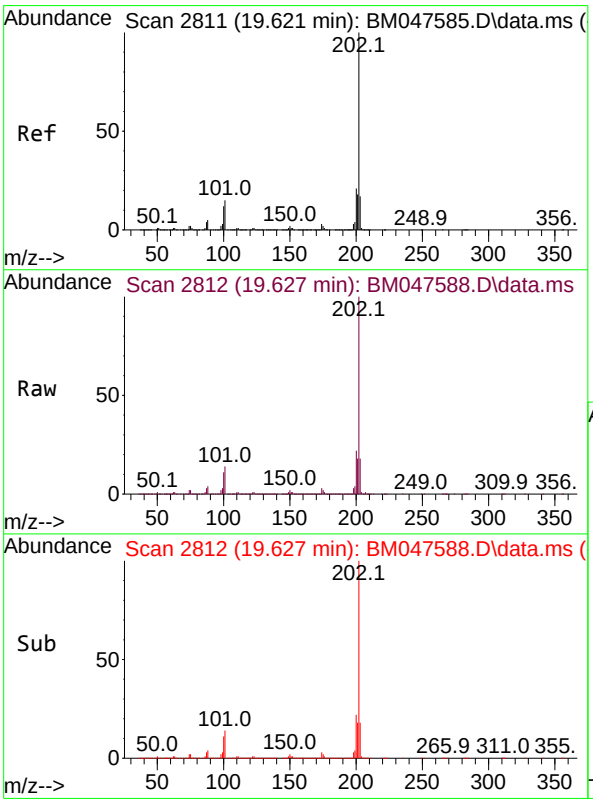
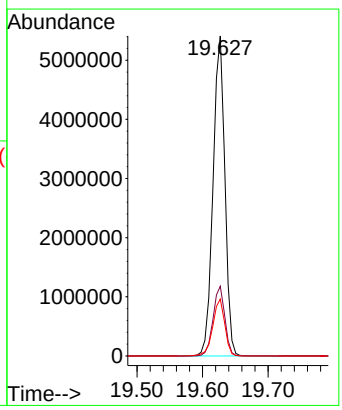
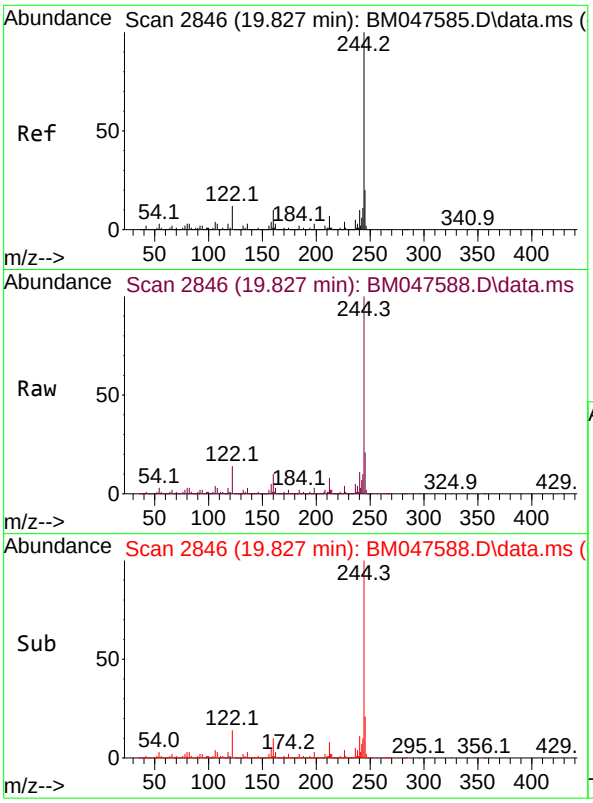


#78
Pyrene
Concen: 85.257 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:202 Resp: 6776915

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.8	13.8	20.8

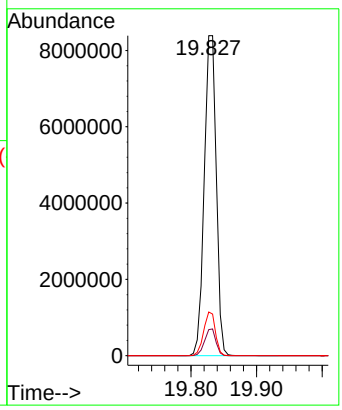




#79
Terphenyl-d14
Concen: 169.175 ng
RT: 19.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:244 Resp:1070801

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	13.7	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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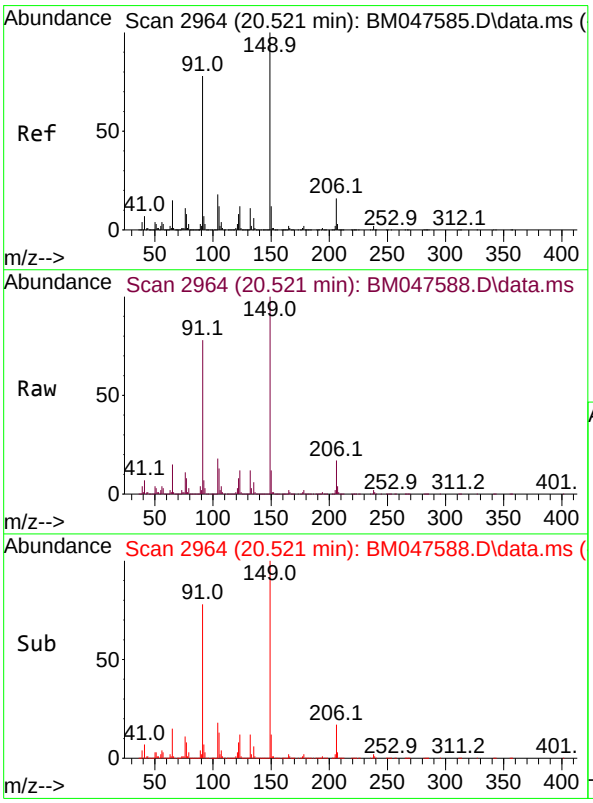
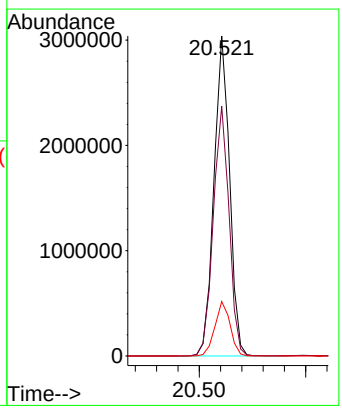
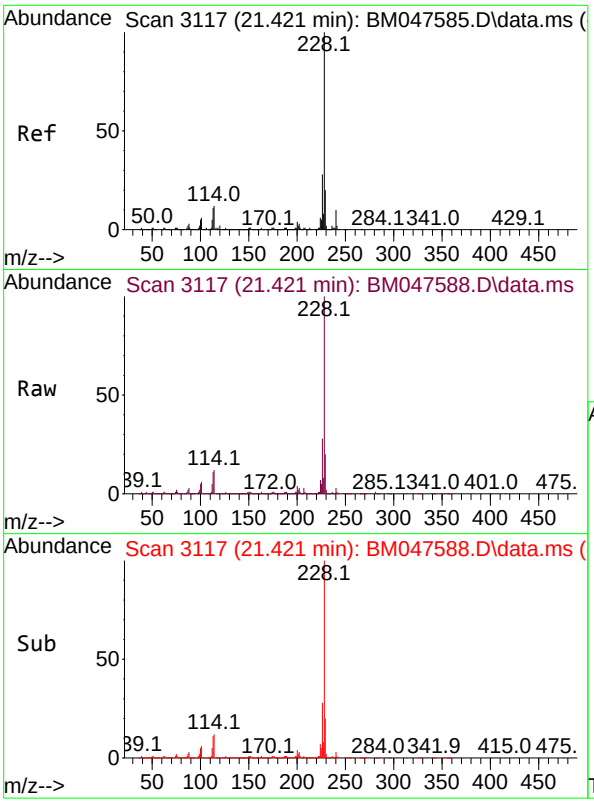


#80
Butylbenzylphthalate
Concen: 89.208 ng
RT: 20.521 min Scan# 2964
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:149 Resp: 3086984

Ion	Ratio	Lower	Upper
149	100		
91	78.0	62.3	93.5
206	17.0	13.0	19.6





#81
Benzo(a)anthracene
Concen: 83.114 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:228 Resp: 620664

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.4	33.6
229	20.1	16.0	24.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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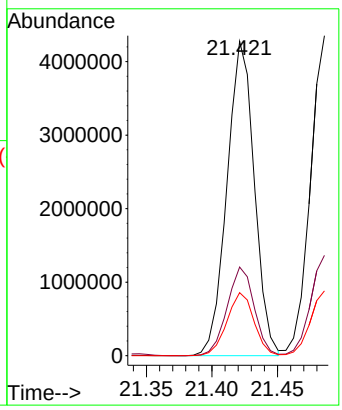
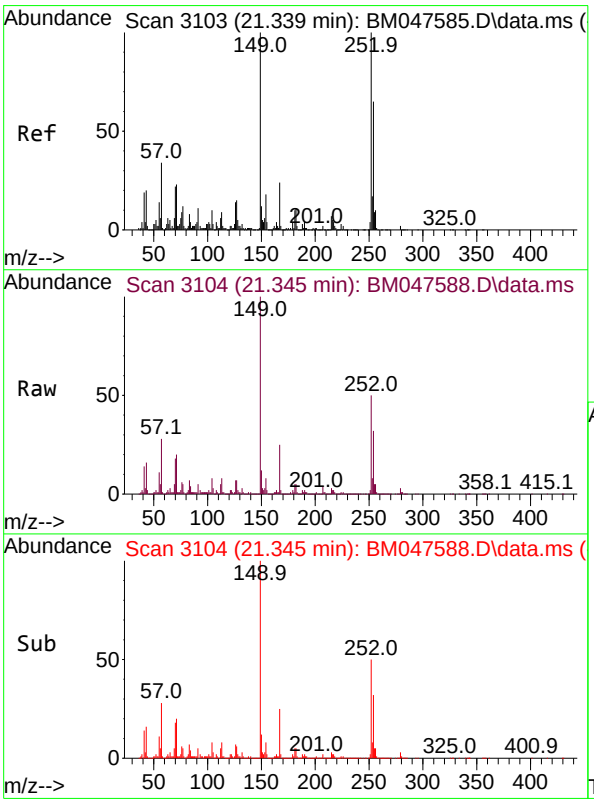
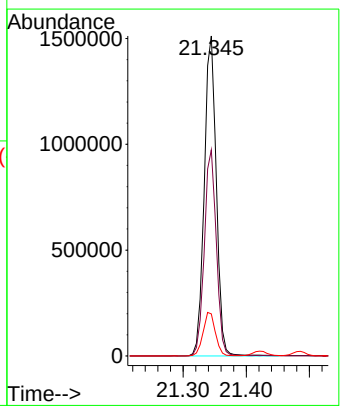


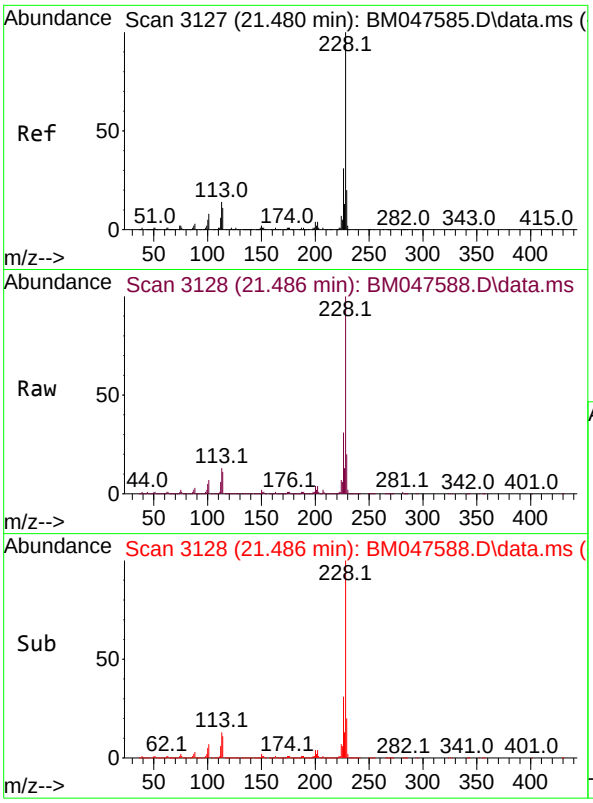


#82
3,3'-Dichlorobenzidine
Concen: 86.048 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:252 Resp: 1995508

Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.3	78.5
126	13.2	11.4	17.0

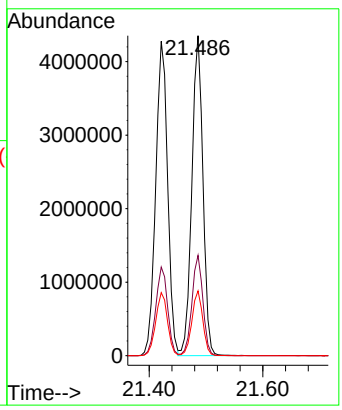




#83
Chrysene
Concen: 83.529 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:228 Resp: 593191

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	20.3	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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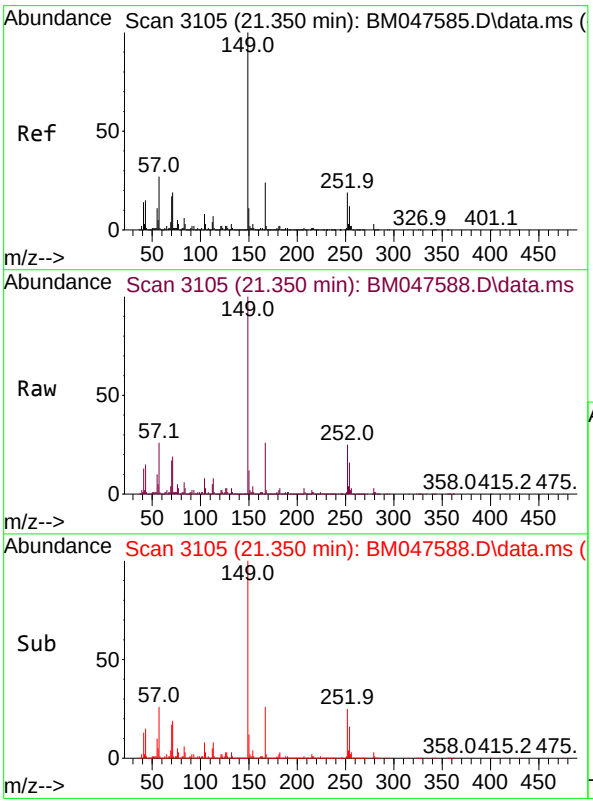
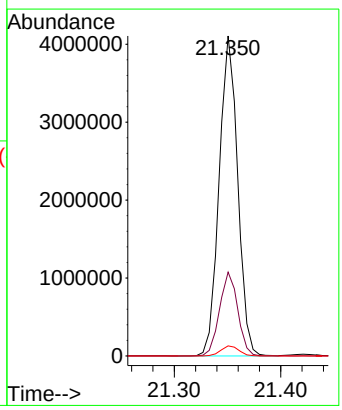
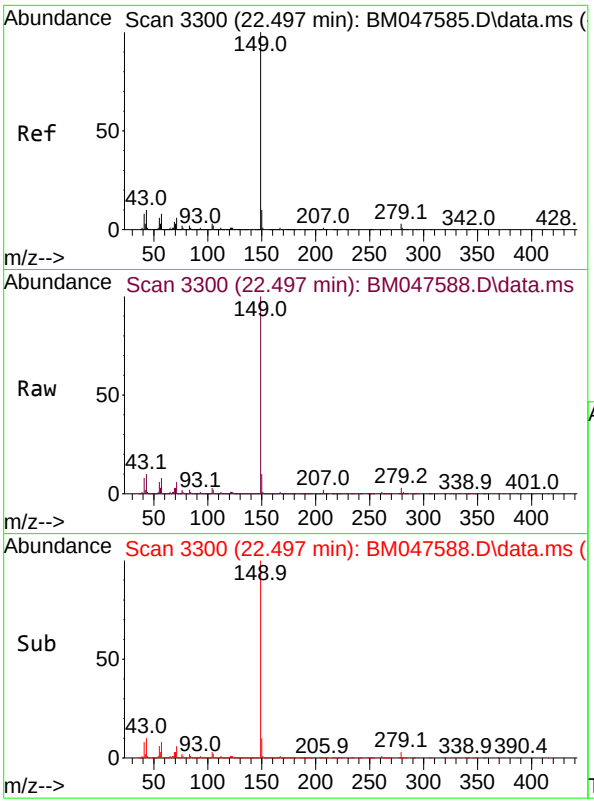


#84
Bis(2-ethylhexyl)phthalate
Concen: 89.424 ng
RT: 21.350 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:149 Resp: 4949569

Ion	Ratio	Lower	Upper
149	100		
167	26.2	19.5	29.3
279	3.2	2.3	3.5





#85
Di-n-octyl phthalate
Concen: 91.021 ng
RT: 22.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 777409

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	9.9	8.2	12.2

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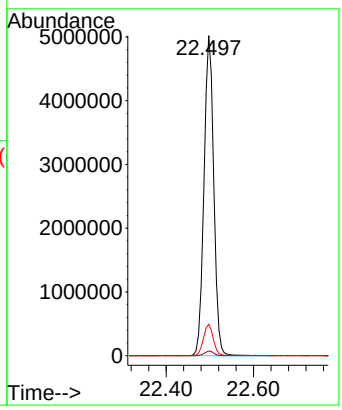
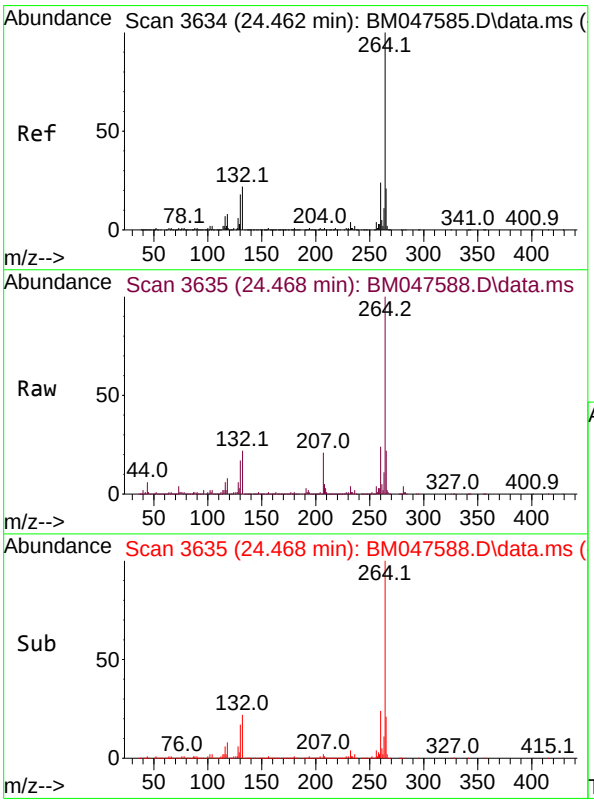
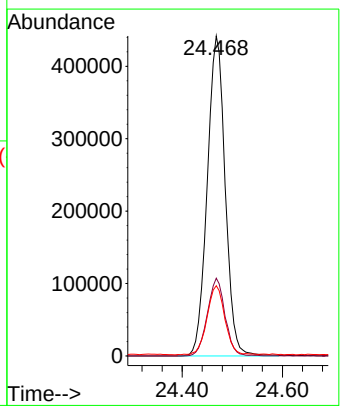


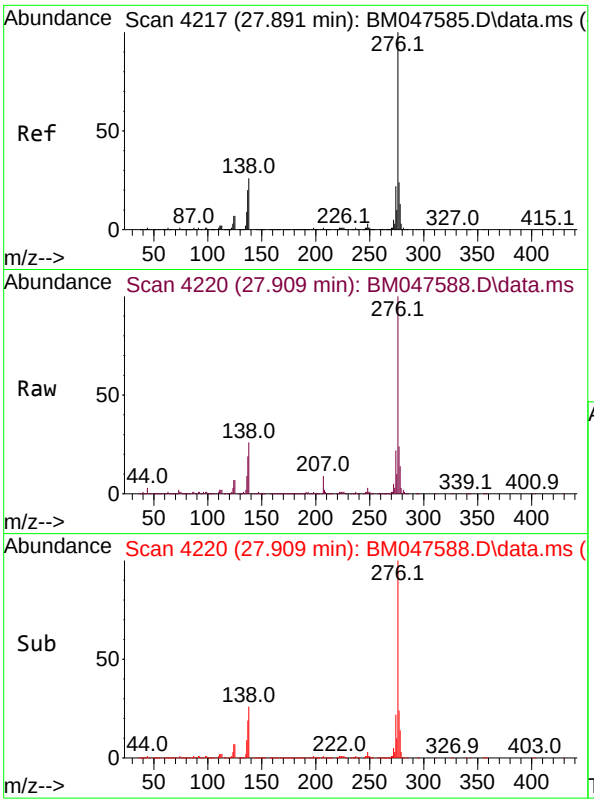


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:264 Resp: 1098301

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	21.9	17.0	25.6

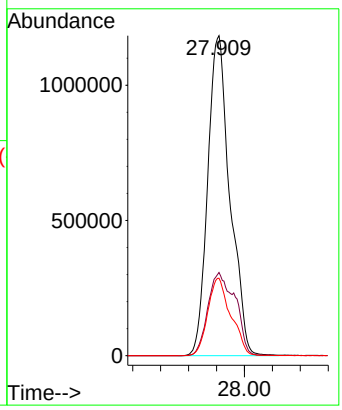




#87
Indeno(1,2,3-cd)pyrene
Concen: 86.661 ng
RT: 27.909 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:276 Resp: 654493

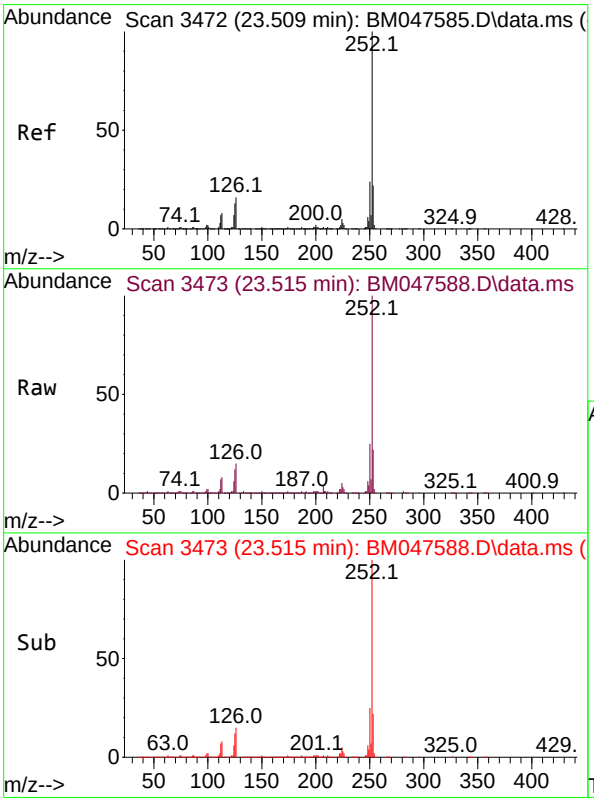
Ion	Ratio	Lower	Upper
276	100		
138	31.8	18.1	27.1
277	25.2	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

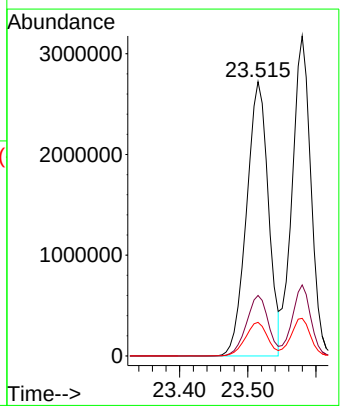
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

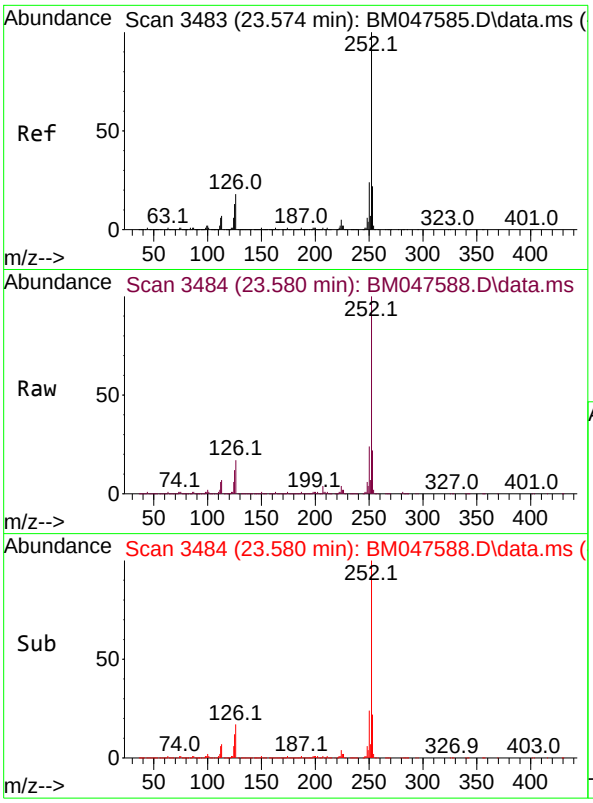


#88
Benzo(b)fluoranthene
Concen: 87.268 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:252 Resp: 6024010

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	12.3	10.2	15.2





#89
Benzo(k)fluoranthene
Concen: 89.404 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

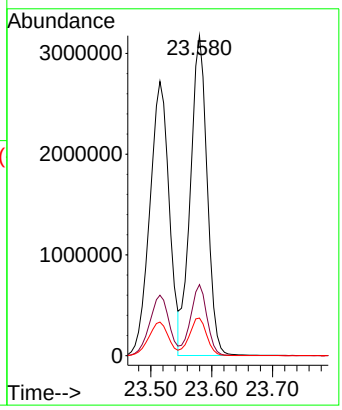
Tgt Ion:252 Resp: 605814

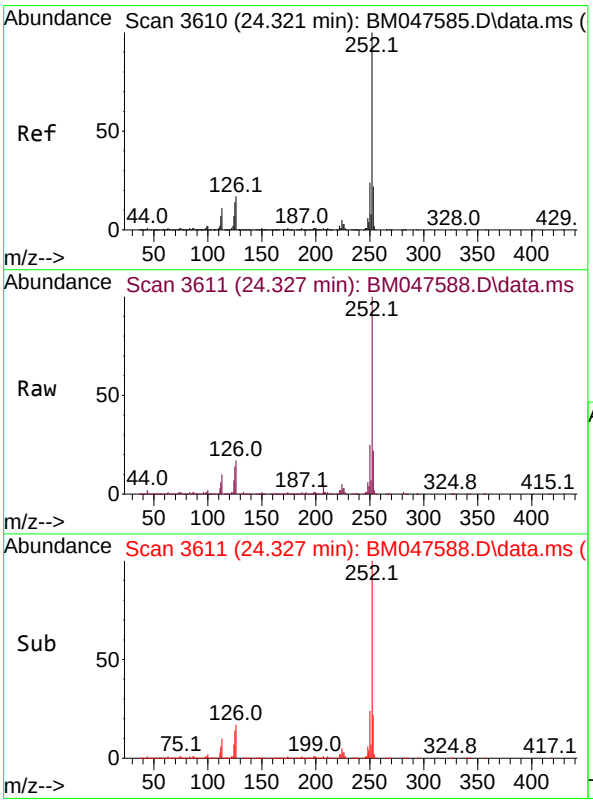
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.8	10.2	15.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

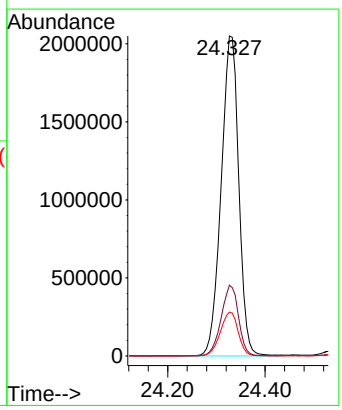


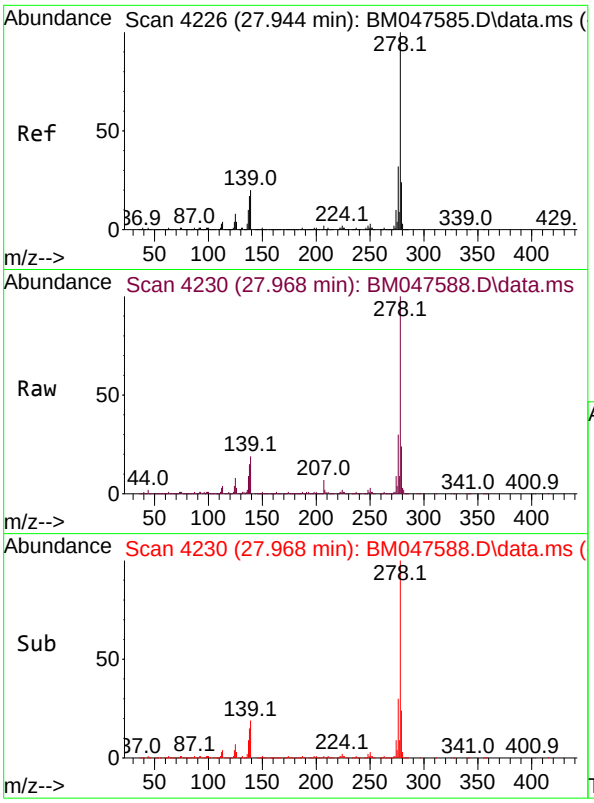


#90
Benzo(a)pyrene
Concen: 87.924 ng
RT: 24.327 min Scan# 3611
Delta R.T. 0.006 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:252 Resp: 5145797

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	13.7	11.5	17.3

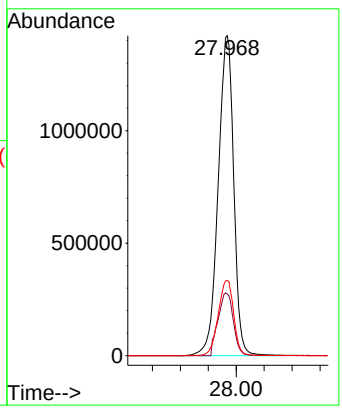




#91
Dibenzo(a,h)anthracene
Concen: 87.148 ng
RT: 27.968 min Scan# 4
Delta R.T. 0.024 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:278 Resp: 549769

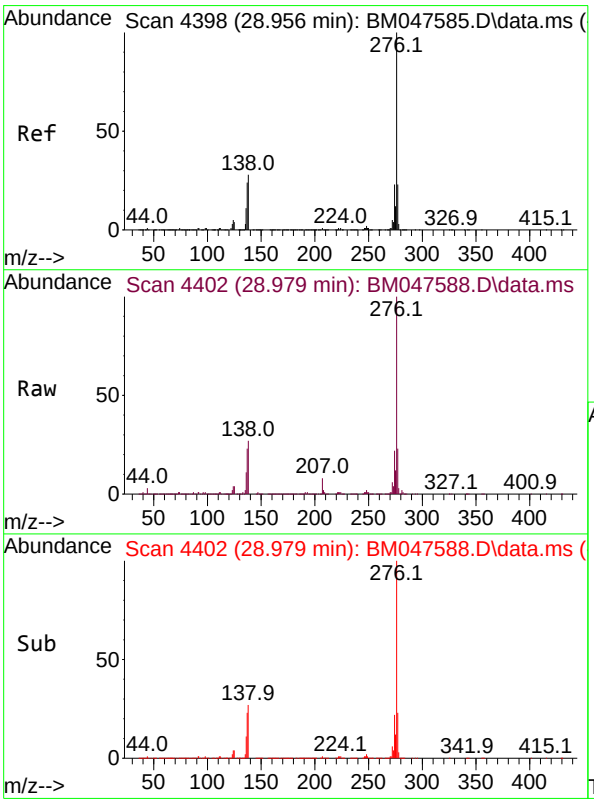
Ion	Ratio	Lower	Upper
278	100		
139	19.3	16.4	24.6
279	23.5	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

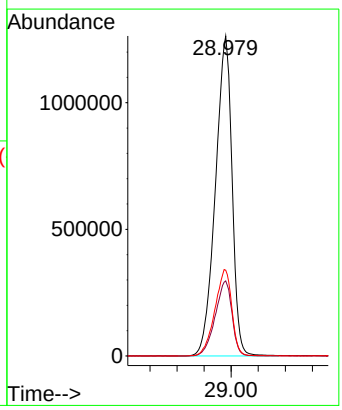
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92
Benzo(g,h,i)perylene
Concen: 85.364 ng
RT: 28.979 min Scan# 4402
Delta R.T. 0.024 min
Lab File: BM047588.D
Acq: 20 Sep 2024 14:17

Tgt Ion:276 Resp: 5397009

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.3	27.5
138	26.8	22.3	33.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	311875	20.000	ng		0.00
21) Naphthalene-d8	10.645	136	1249162	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	657090	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1199749	20.000	ng		0.00
76) Chrysene-d12	21.439	240	1056172	20.000	ng		0.00
86) Perylene-d12	24.468	264	1050120	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	1585944	77.928	ng		0.00
7) Phenol-d6	7.010	99	2111029	78.724	ng		0.00
23) Nitrobenzene-d5	8.998	82	1996744	79.572	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	479216	78.761	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	3727331	80.264	ng		0.00
79) Terphenyl-d14	19.827	244	4889014	83.057	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	332975	37.577	ng		100
3) Pyridine	3.716	79	936699	38.133	ng		99
4) n-Nitrosodimethylamine	3.622	42	402570	39.525	ng		98
6) Aniline	7.169	93	901556	39.245	ng		99
8) 2-Chlorophenol	7.410	128	835317	39.206	ng		100
9) Benzaldehyde	6.981	77	559442	40.883	ng		99
10) Phenol	7.034	94	1042775	39.163	ng		98
11) bis(2-Chloroethyl)ether	7.269	93	842170	39.352	ng		97
12) 1,3-Dichlorobenzene	7.739	146	908579	38.562	ng		99
13) 1,4-Dichlorobenzene	7.881	146	920334	38.604	ng		98
14) 1,2-Dichlorobenzene	8.198	146	893815	38.895	ng		99
15) Benzyl Alcohol	8.081	79	690507	39.910	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.381	45	1068754	39.179	ng		99
17) 2-Methylphenol	8.286	107	659448	39.406	ng		98
18) Hexachloroethane	8.933	117	376398	38.932	ng		99
19) n-Nitroso-di-n-propyla...	8.651	70	665436	40.512	ng		99
20) 3+4-Methylphenols	8.610	107	894954	39.263	ng		98
22) Acetophenone	8.663	105	1256438	38.607	ng	#	99
24) Nitrobenzene	9.039	77	1012896	39.081	ng		99
25) Isophorone	9.569	82	1655042	39.466	ng		99
26) 2-Nitrophenol	9.751	139	375487	41.204	ng		99
27) 2,4-Dimethylphenol	9.816	122	514321	39.595	ng		100
28) bis(2-Chloroethoxy)met...	10.051	93	1058927	39.251	ng		99
29) 2,4-Dichlorophenol	10.286	162	653918	39.823	ng		100
30) 1,2,4-Trichlorobenzene	10.510	180	728387	38.918	ng		99
31) Naphthalene	10.692	128	2560631	38.746	ng		100
32) Benzoic acid	9.927	122	496863	41.034	ng		96
33) 4-Chloroaniline	10.792	127	910365	39.072	ng		100
34) Hexachlorobutadiene	10.986	225	395990	38.879	ng		99
35) Caprolactam	11.563	113	221494	39.024	ng		97
36) 4-Chloro-3-methylphenol	11.916	107	732648	39.105	ng		98
37) 2-Methylnaphthalene	12.304	142	1616862	38.941	ng		99
38) 1-Methylnaphthalene	12.521	142	1597262	38.778	ng		99
40) 1,2,4,5-Tetrachloroben...	12.674	216	685567	39.536	ng		100
41) Hexachlorocyclopentadiene	12.657	237	230084	40.190	ng		96
43) 2,4,6-Trichlorophenol	12.910	196	455124	40.385	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	514281	40.599	ng		99
46) 1,1'-Biphenyl	13.315	154	2009707	39.603	ng		99
47) 2-Chloronaphthalene	13.351	162	1552792	39.107	ng		100
48) 2-Nitroaniline	13.551	65	491271	41.426	ng		98
49) Acenaphthylene	14.198	152	2246992	39.324	ng		100
50) Dimethylphthalate	13.933	163	1756523	38.716	ng		100
51) 2,6-Dinitrotoluene	14.045	165	389338	40.960	ng		100
52) Acenaphthene	14.539	154	1482065m	39.262	ng		
53) 3-Nitroaniline	14.368	138	438746	40.245	ng		97
54) 2,4-Dinitrophenol	14.574	184	169961	39.443	ng		98
55) Dibenzofuran	14.874	168	2126424	38.548	ng		99
56) 4-Nitrophenol	14.674	139	381550	40.843	ng		93
57) 2,4-Dinitrotoluene	14.827	165	516377	40.769	ng		98
58) Fluorene	15.521	166	1908884	39.099	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	381271	39.375	ng		99
60) Diethylphthalate	15.298	149	1904290	39.371	ng		99
61) 4-Chlorophenyl-phenyle...	15.521	204	844169	39.572	ng		98
62) 4-Nitroaniline	15.527	138	504816	41.097	ng		100
63) Azobenzene	15.809	77	2098747	39.690	ng		98
65) 4,6-Dinitro-2-methylph...	15.592	198	230081	40.472	ng		97
66) n-Nitrosodiphenylamine	15.727	169	1423616	39.729	ng		100
67) 4-Bromophenyl-phenylether	16.409	248	438217	40.208	ng		96
68) Hexachlorobenzene	16.527	284	499120	39.175	ng		93
69) Atrazine	16.674	200	384815	44.608	ng		98
70) Pentachlorophenol	16.862	266	330341	41.309	ng		98
71) Phenanthrene	17.256	178	2548411	39.132	ng		100
72) Anthracene	17.345	178	2446788	39.655	ng		100
73) Carbazole	17.609	167	2538271	39.479	ng		99
74) Di-n-butylphthalate	18.180	149	3159565	40.630	ng		100
75) Fluoranthene	19.262	202	2837130	39.576	ng		99
77) Benzidine	19.445	184	480845	33.430	ng		99
78) Pyrene	19.621	202	2951542	39.927	ng		100
80) Butylbenzylphthalate	20.521	149	1337765	41.569	ng		99
81) Benzo(a)anthracene	21.421	228	2739157	39.442	ng		99
82) 3,3'-Dichlorobenzidine	21.344	252	868652	40.277	ng		99
83) Chrysene	21.486	228	2611544	39.543	ng		100
84) Bis(2-ethylhexyl)phtha...	21.350	149	2149574	41.761	ng		99
85) Di-n-octyl phthalate	22.497	149	3279359	41.286	ng		100
87) Indeno(1,2,3-cd)pyrene	27.891	276	2846344	39.417	ng	#	90
88) Benzo(b)fluoranthene	23.509	252	2593736	39.299	ng		100
89) Benzo(k)fluoranthene	23.574	252	2616534	40.385	ng		99
90) Benzo(a)pyrene	24.327	252	2226359	39.786	ng		99
91) Dibenzo(a,h)anthracene	27.950	278	2372993	39.342	ng		99
92) Benzo(g,h,i)perylene	28.962	276	2366706	39.151	ng		98

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

ICAL Form

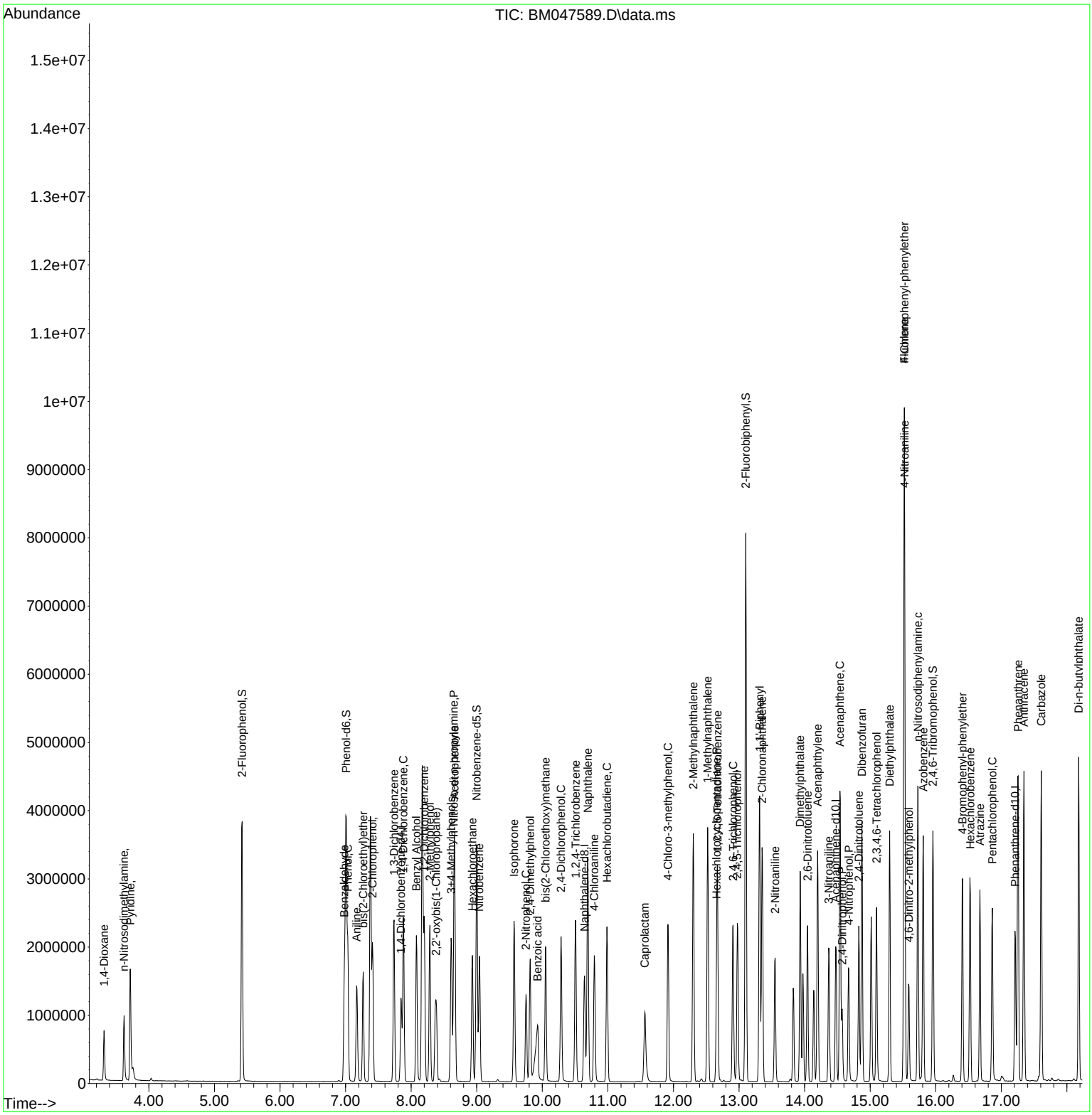
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/23/2024
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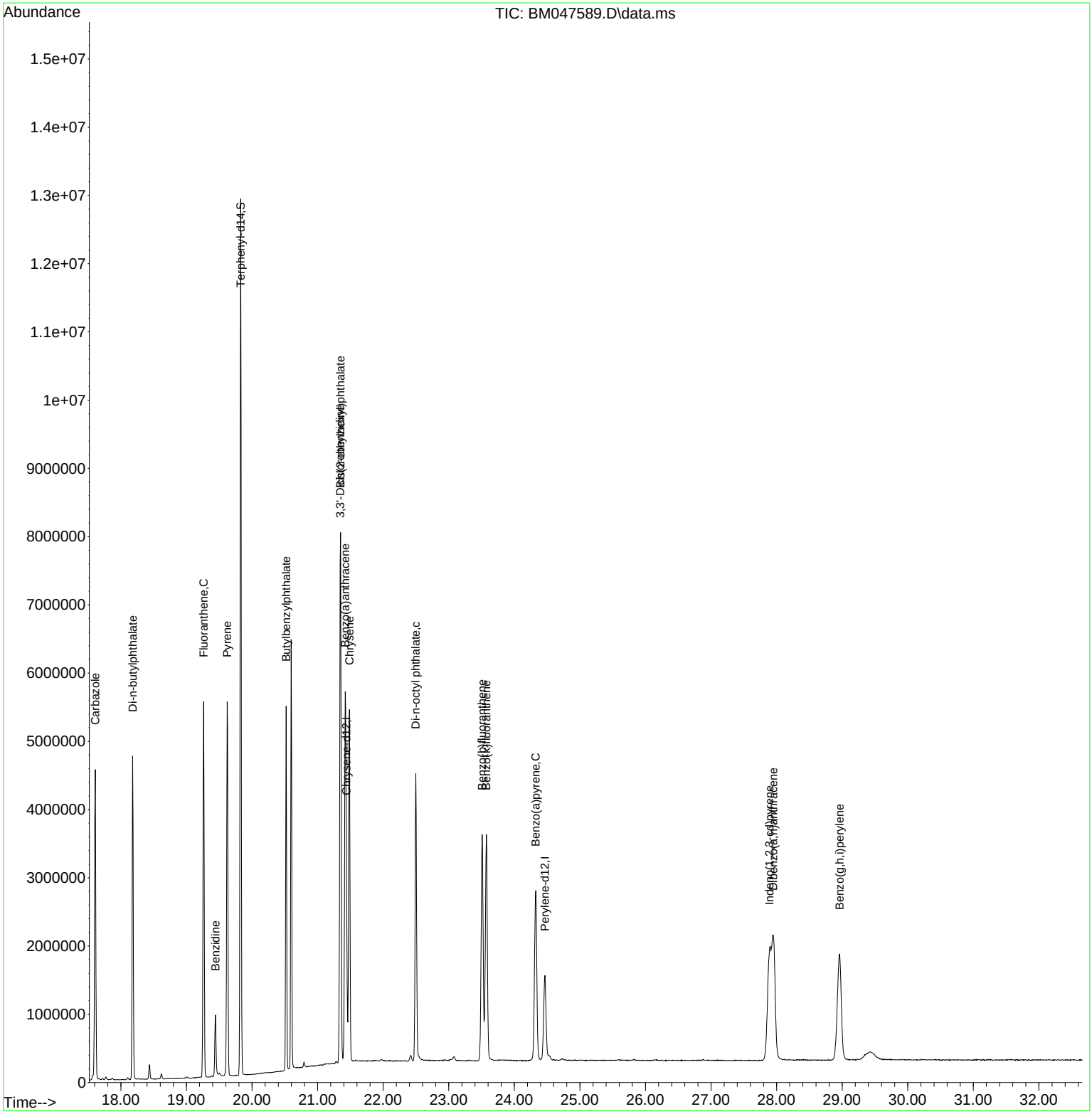
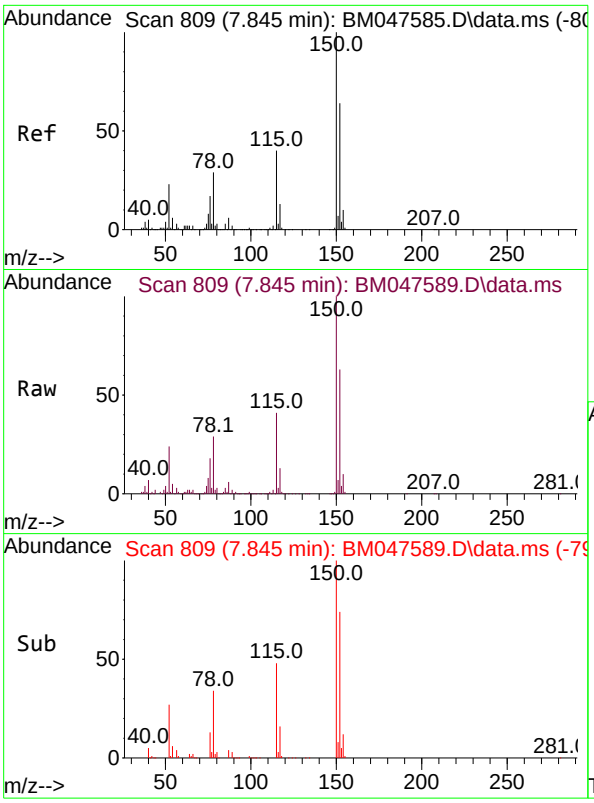
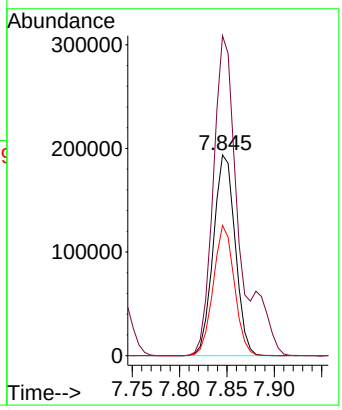




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:152 Resp: 31187

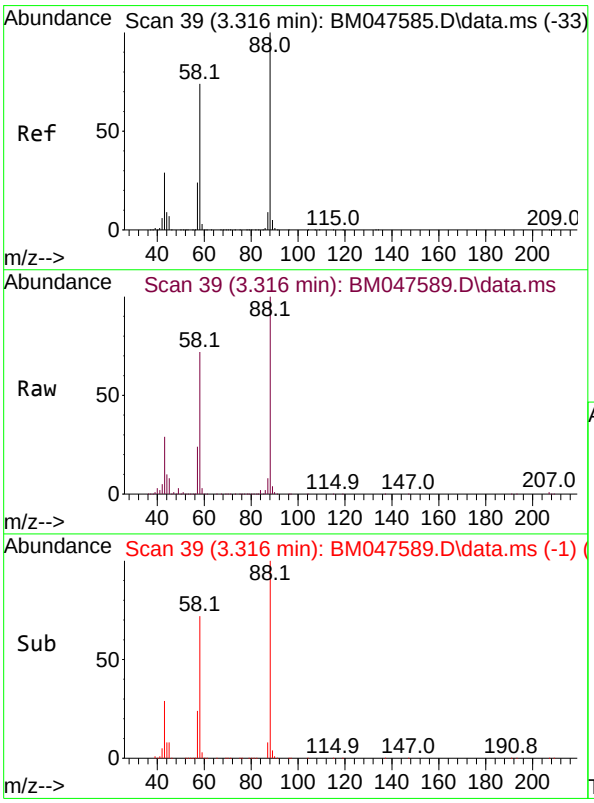
Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.5	186.7
115	64.9	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations
APPROVED

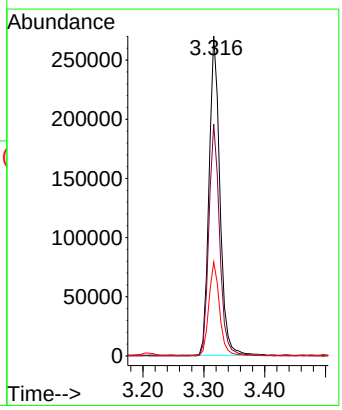
Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

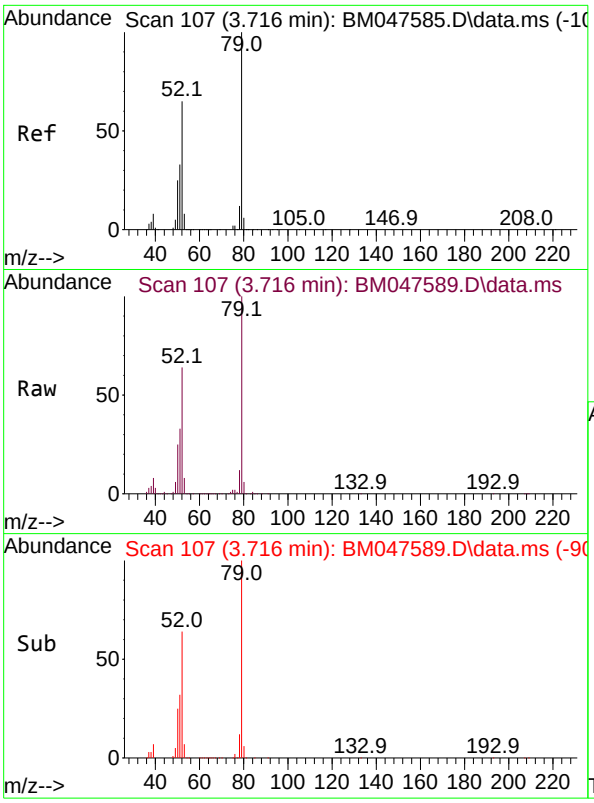


#2
1,4-Dioxane
Concen: 37.577 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 88 Resp: 332975

Ion	Ratio	Lower	Upper
88	100		
58	72.6	58.0	87.0
43	29.2	23.1	34.7

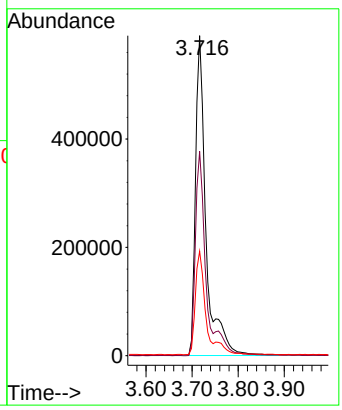




#3
Pyridine
Concen: 38.133 ng
RT: 3.716 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 79 Resp: 93669

Ion	Ratio	Lower	Upper
79	100		
52	63.9	52.2	78.2
51	32.7	26.5	39.7



Instrument :
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ClientSampleId :
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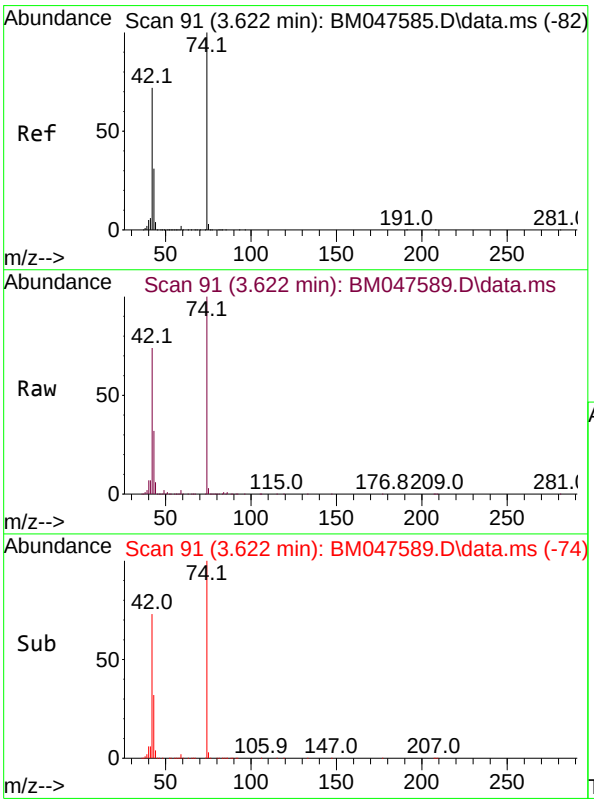
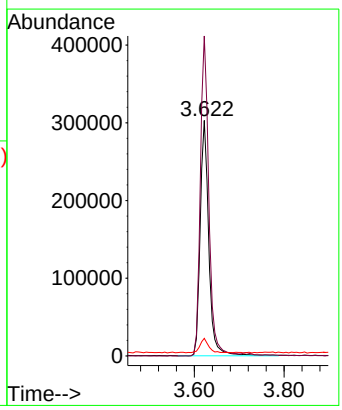
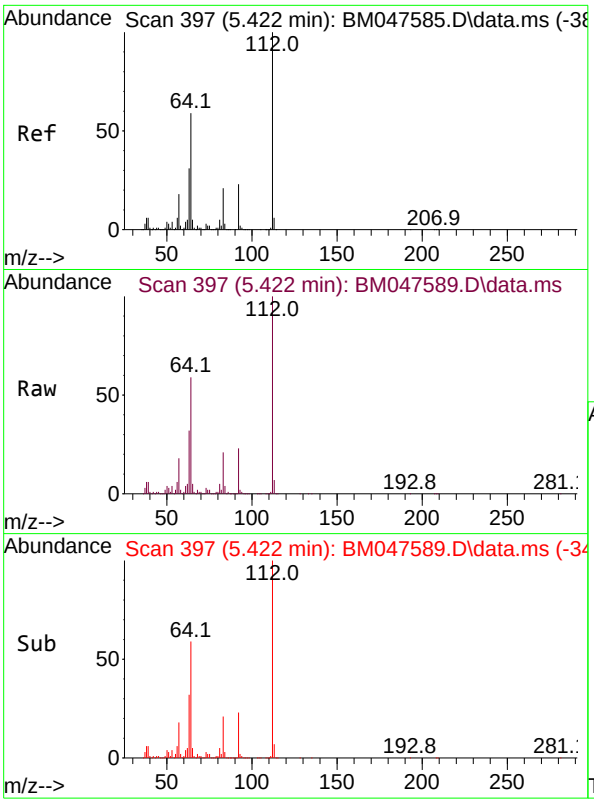


#4
n-Nitrosodimethylamine
Concen: 39.525 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 42 Resp: 402570

Ion	Ratio	Lower	Upper
42	100		
74	135.9	110.8	166.2
44	7.5	6.1	9.1

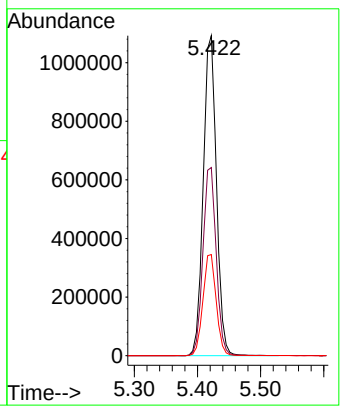




#5
2-Fluorophenol
Concen: 77.928 ng
RT: 5.422 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:112 Resp: 158594

Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.8	70.2
63	31.6	25.2	37.8



Instrument :
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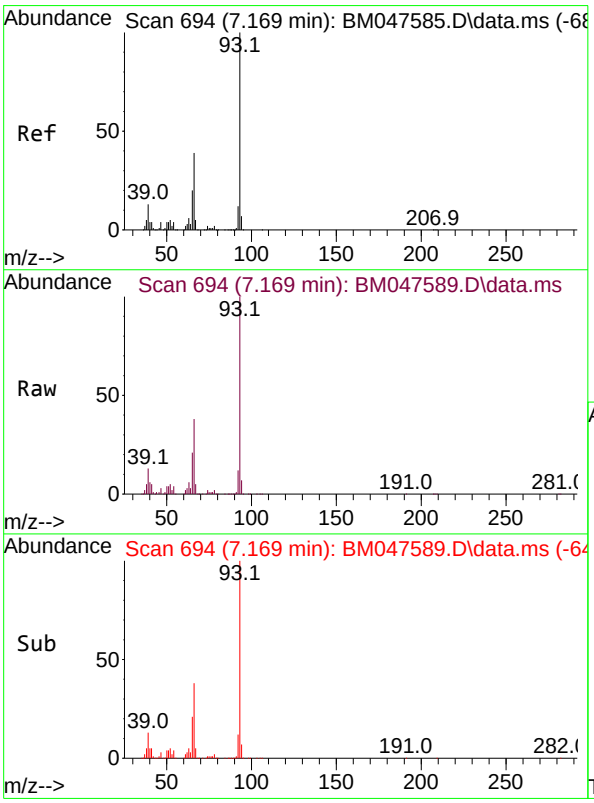
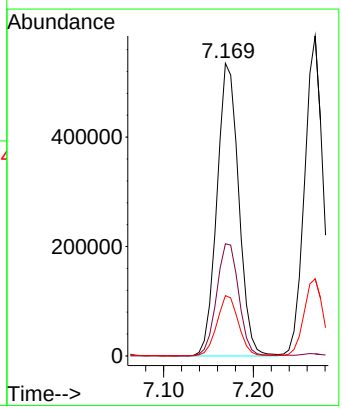
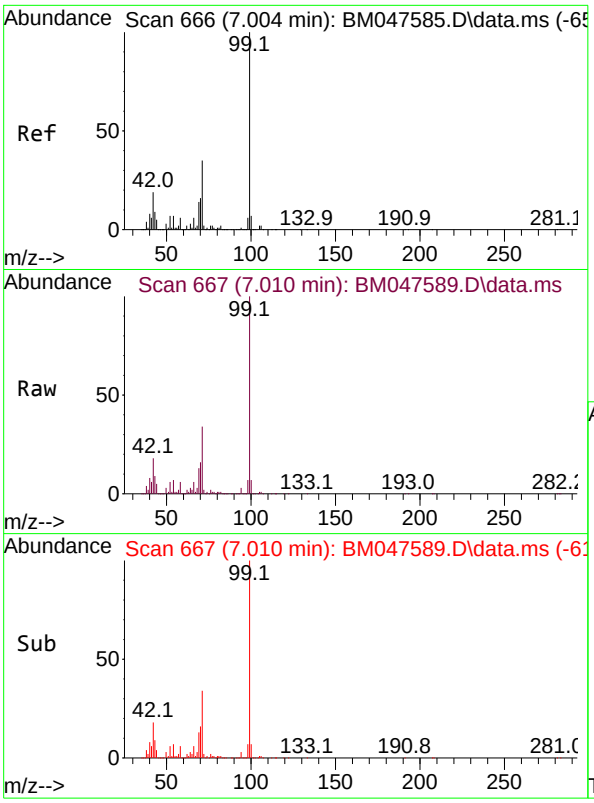


#6
Aniline
Concen: 39.245 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 93 Resp: 901556

Ion	Ratio	Lower	Upper
93	100		
66	38.3	31.4	47.0
65	20.6	16.2	24.2

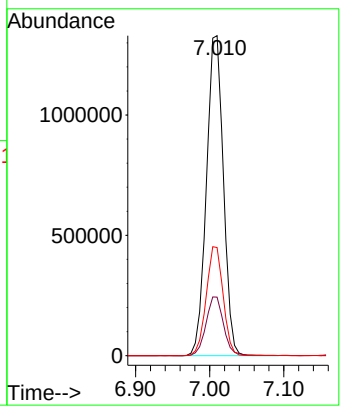




#7
Phenol-d6
Concen: 78.724 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 99 Resp: 211102

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.3	22.9
71	33.8	27.8	41.6



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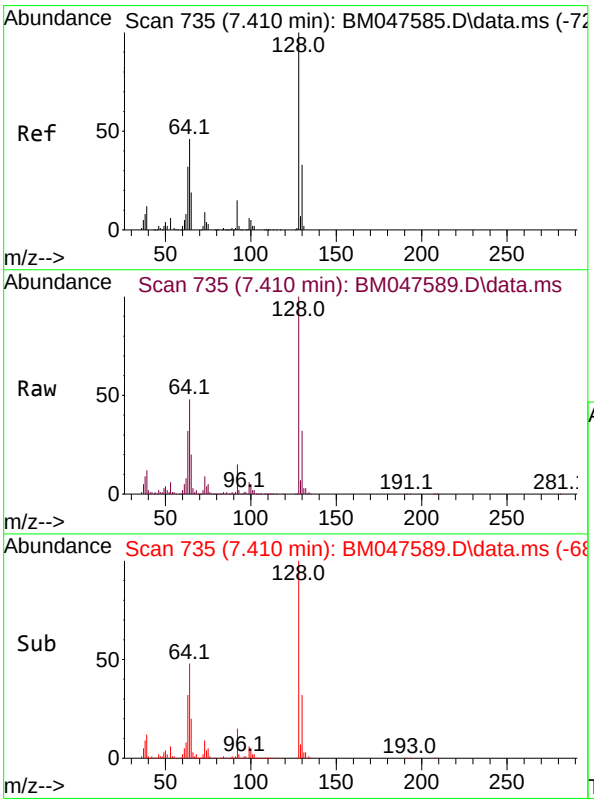
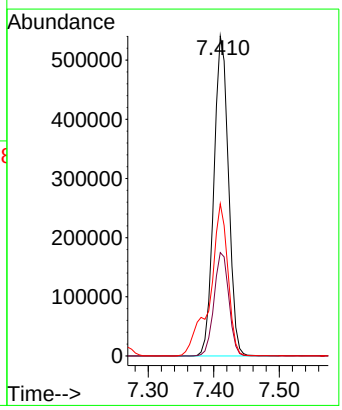
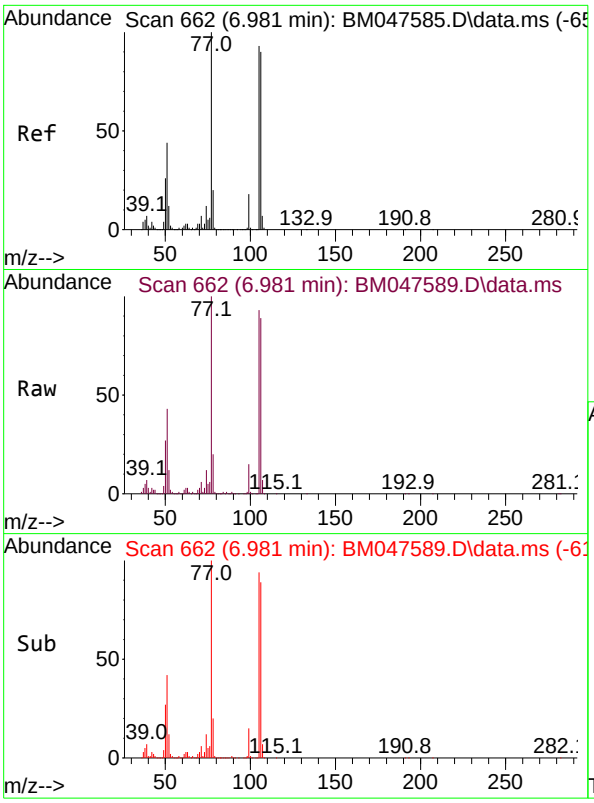


#8
2-Chlorophenol
Concen: 39.206 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:128 Resp: 835317

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	47.5	27.6	67.6

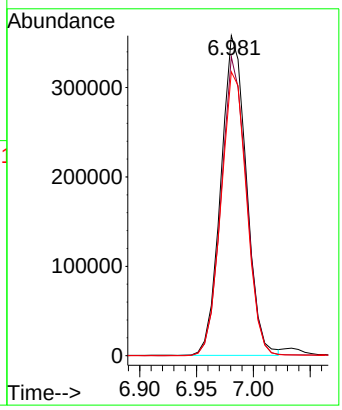




#9
Benzaldehyde
Concen: 40.883 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 77 Resp: 55944

Ion	Ratio	Lower	Upper
77	100		
105	93.4	73.0	113.0
106	88.7	70.3	110.3



Instrument :
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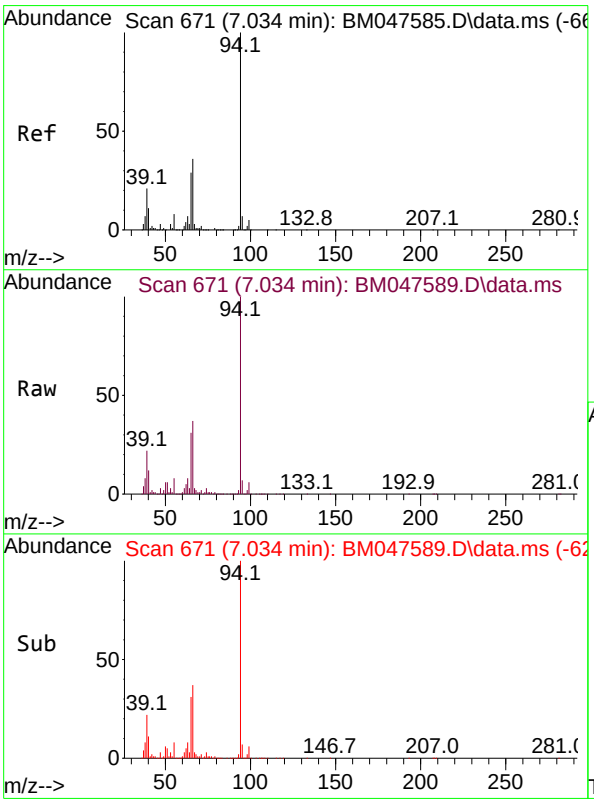
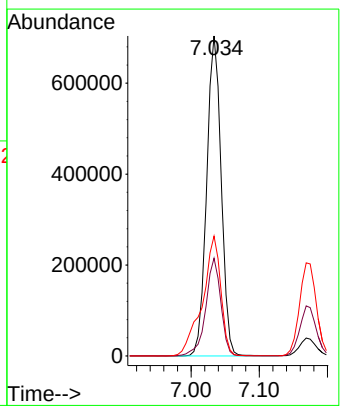
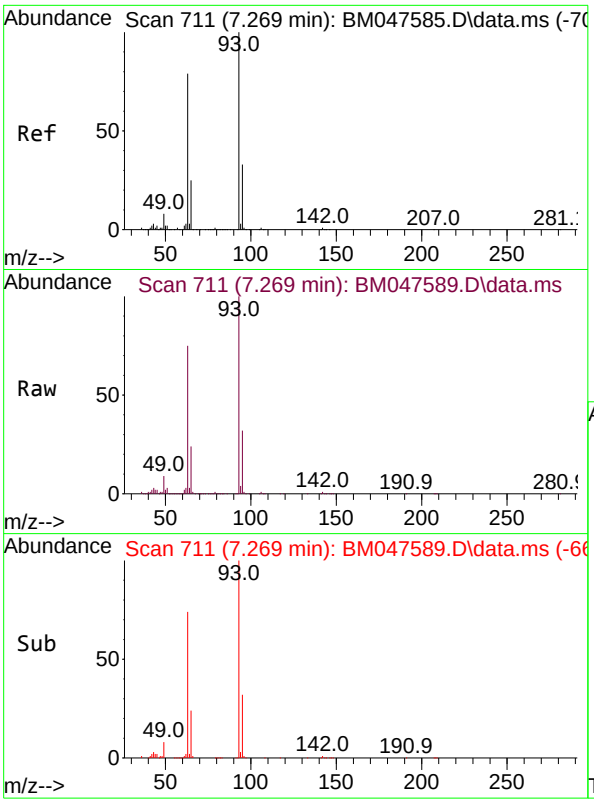


#10
Phenol
Concen: 39.163 ng
RT: 7.034 min Scan# 671
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 94 Resp: 1042775

Ion	Ratio	Lower	Upper
94	100		
65	30.6	9.1	49.1
66	37.4	16.5	56.5

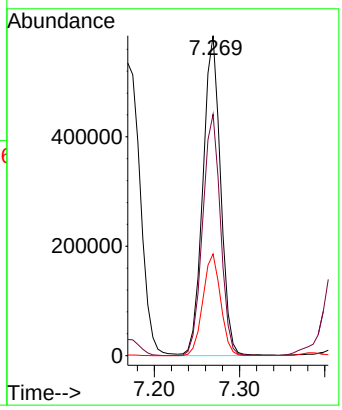




#11
bis(2-Chloroethyl)ether
Concen: 39.352 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 93 Resp: 84217

Ion	Ratio	Lower	Upper
93	100		
63	75.4	58.5	98.5
95	31.8	12.9	52.9



Instrument :
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ClientSampleId :
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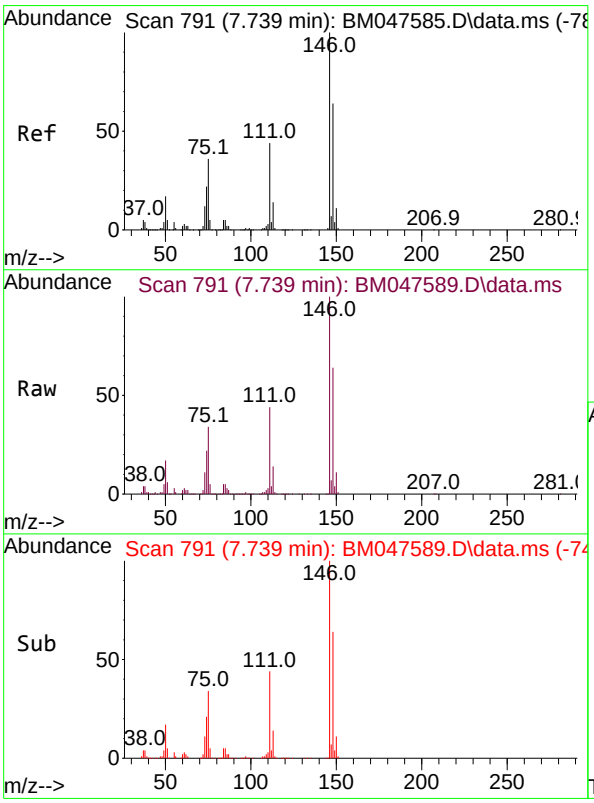
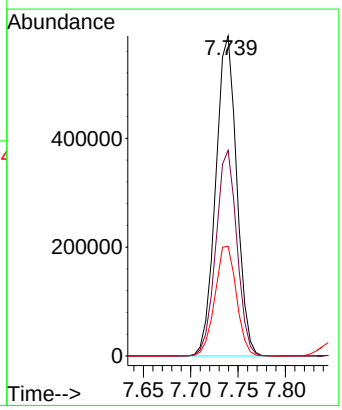
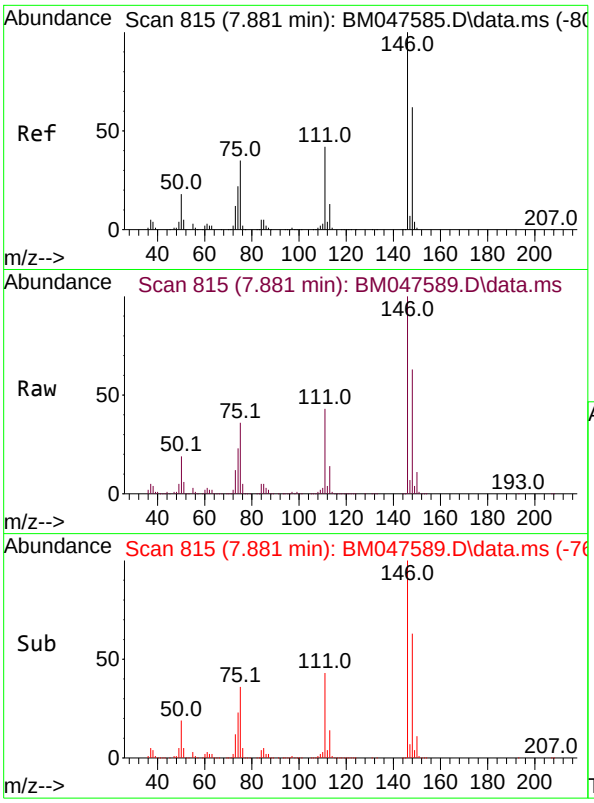


#12
1,3-Dichlorobenzene
Concen: 38.562 ng
RT: 7.739 min Scan# 791
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:146 Resp: 908579

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
75	34.3	28.4	42.6

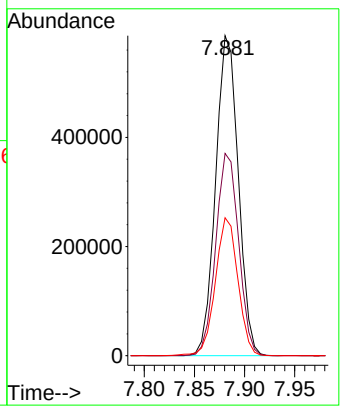




#13
1,4-Dichlorobenzene
Concen: 38.604 ng
RT: 7.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:146 Resp: 92033

Ion	Ratio	Lower	Upper
146	100		
148	63.2	49.8	74.6
111	43.1	33.3	49.9



Instrument :
BNA_M
ClientSampleId :
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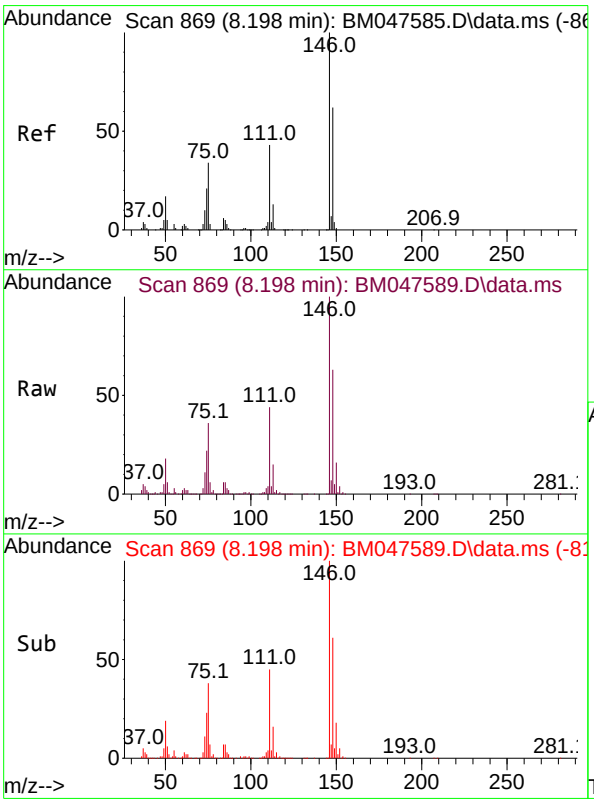
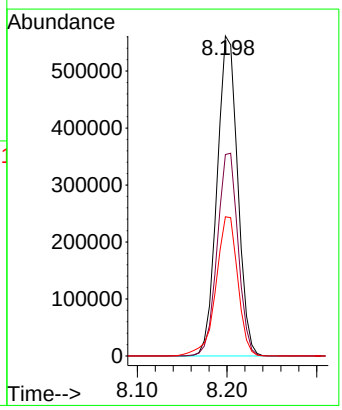
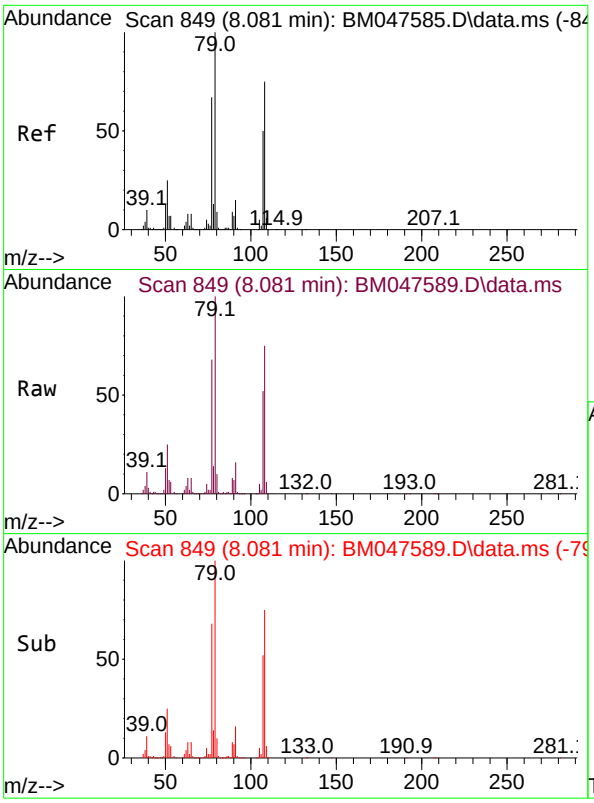


#14
1,2-Dichlorobenzene
Concen: 38.895 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:146 Resp: 893815

Ion	Ratio	Lower	Upper
146	100		
148	63.0	49.7	74.5
111	43.5	34.8	52.2

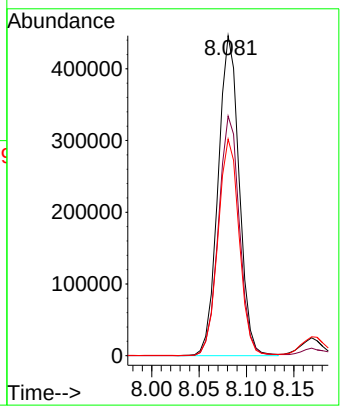




#15
Benzyl Alcohol
Concen: 39.910 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 79 Resp: 69050

Ion	Ratio	Lower	Upper
79	100		
108	74.9	60.2	90.2
77	67.7	53.9	80.9



Instrument :
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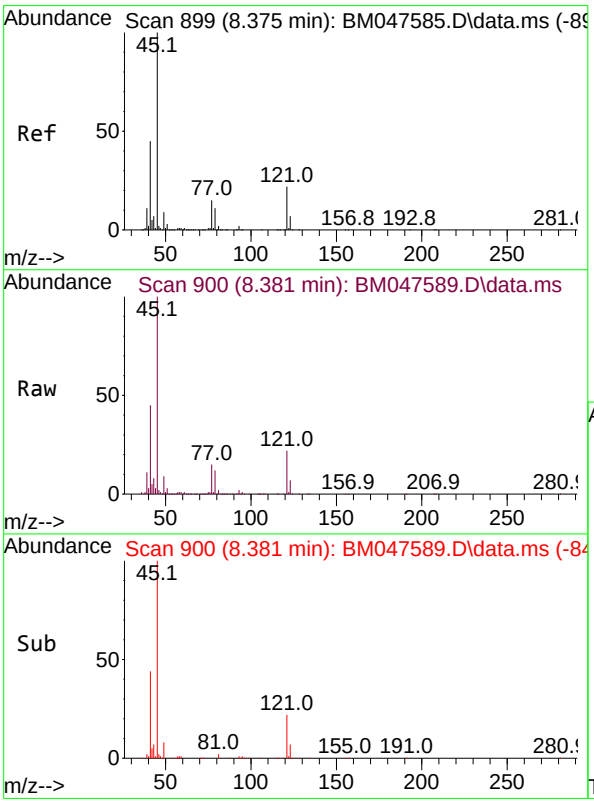
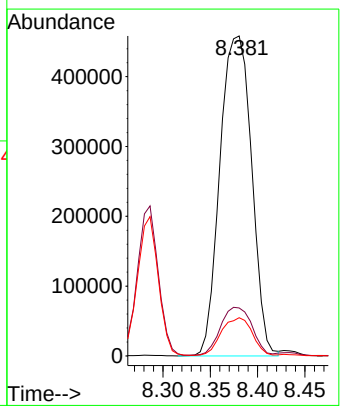
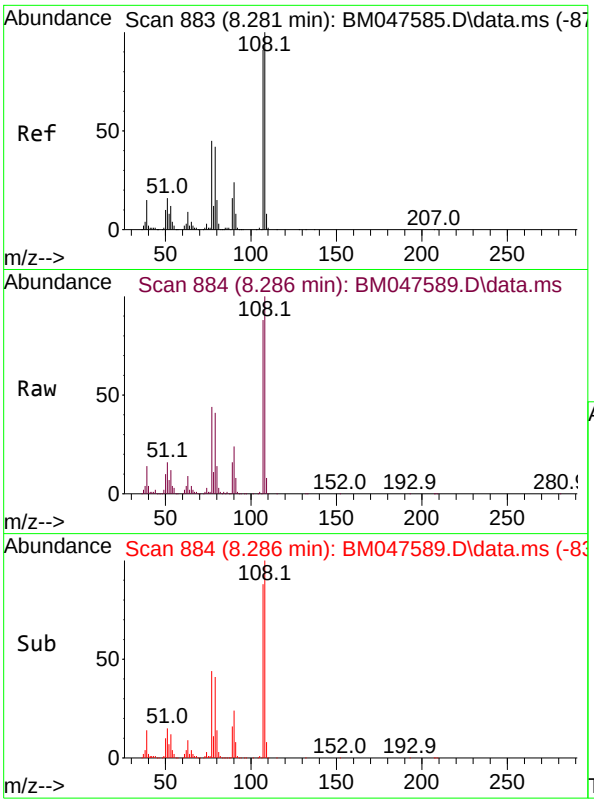


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.179 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 45 Resp: 1068754

Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	35.5
79	12.0	0.0	31.6

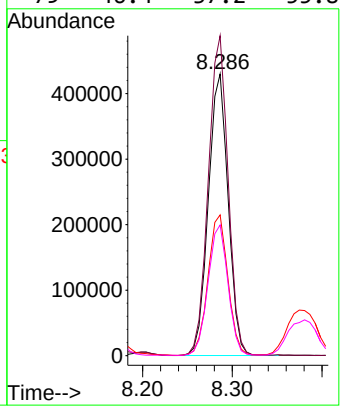




#17
2-Methylphenol
Concen: 39.406 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:107 Resp: 65944

Ion	Ratio	Lower	Upper
107	100		
108	113.5	87.8	131.6
77	50.0	39.6	59.4
79	46.4	37.2	55.8



Instrument :
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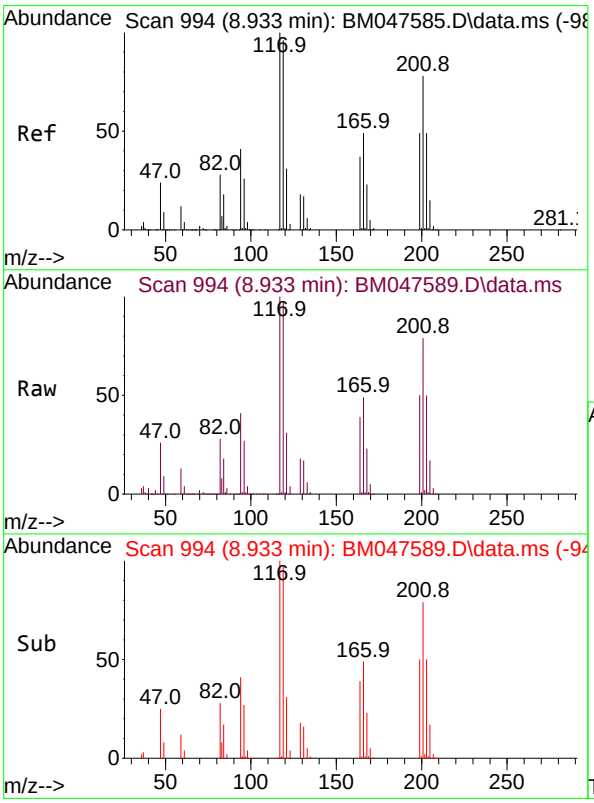
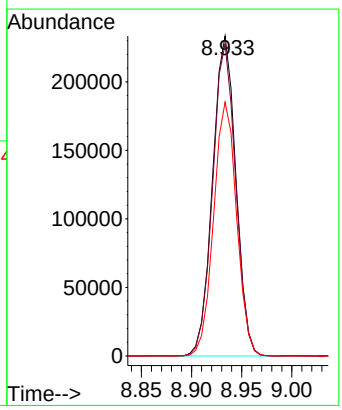
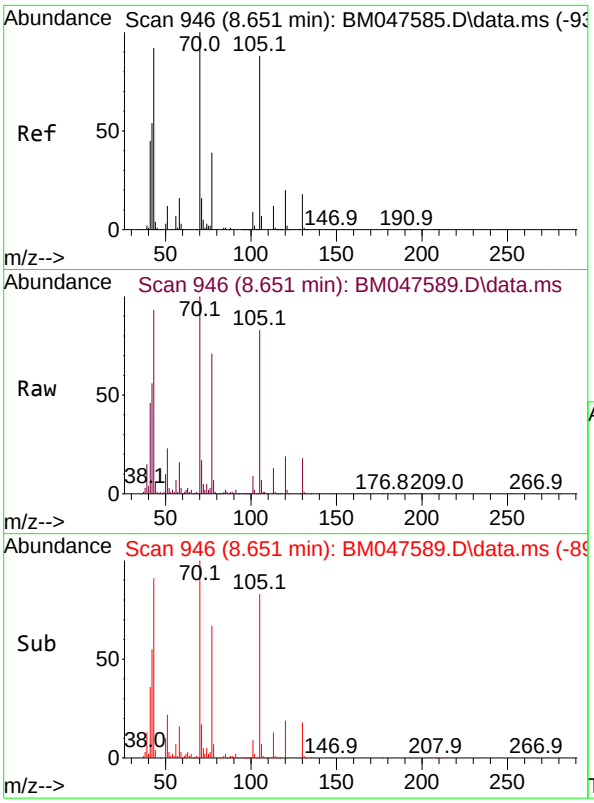


#18
Hexachloroethane
Concen: 38.932 ng
RT: 8.933 min Scan# 994
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:117 Resp: 376398

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.2	115.8
201	79.3	62.3	93.5

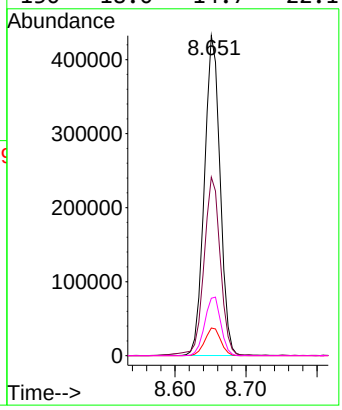




#19
n-Nitroso-di-n-propylamine
Concen: 40.512 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 70 Resp: 66543

Ion	Ratio	Lower	Upper
70	100		
42	55.8	44.2	66.2
101	8.7	7.0	10.4
130	18.0	14.7	22.1



Instrument :
BNA_M
ClientSampleId :
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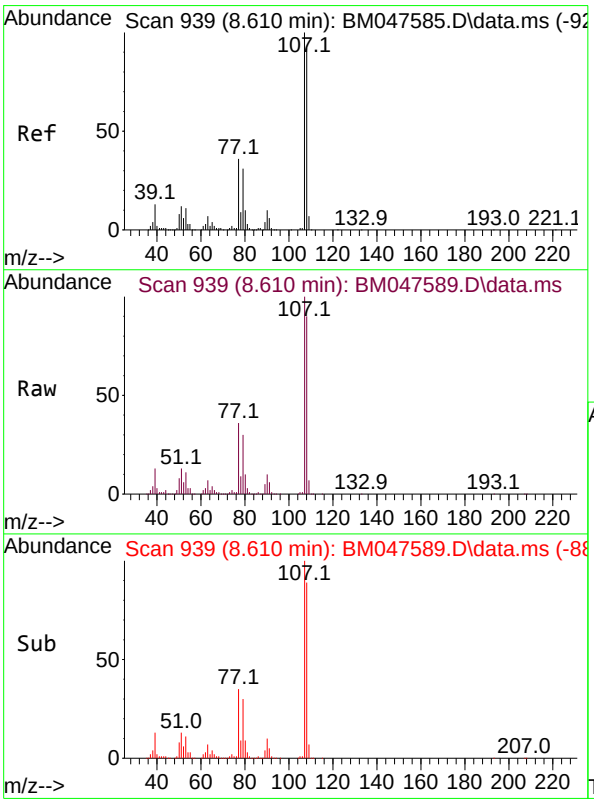
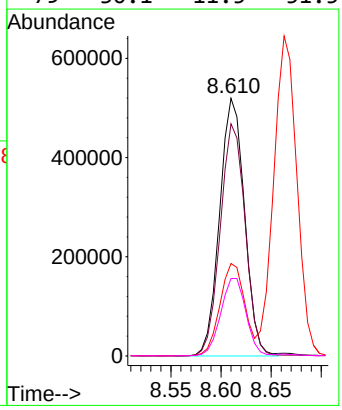
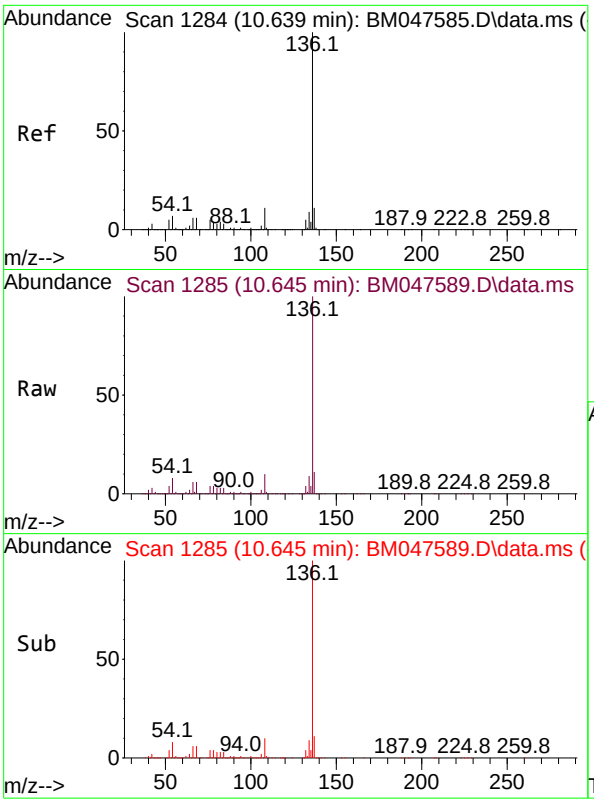


#20
3+4-Methylphenols
Concen: 39.263 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:107 Resp: 894954

Ion	Ratio	Lower	Upper
107	100		
108	90.1	71.8	111.8
77	35.9	16.1	56.1
79	30.1	11.5	51.5

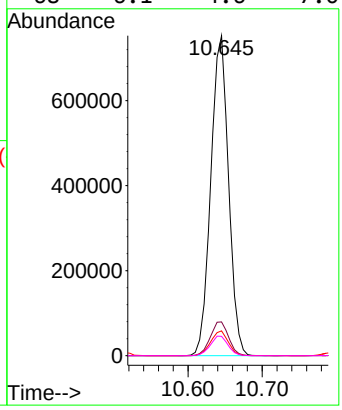




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:136 Resp: 124916

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	7.7	6.0	9.0
68	6.1	4.6	7.0



Instrument :
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ClientSampleId :
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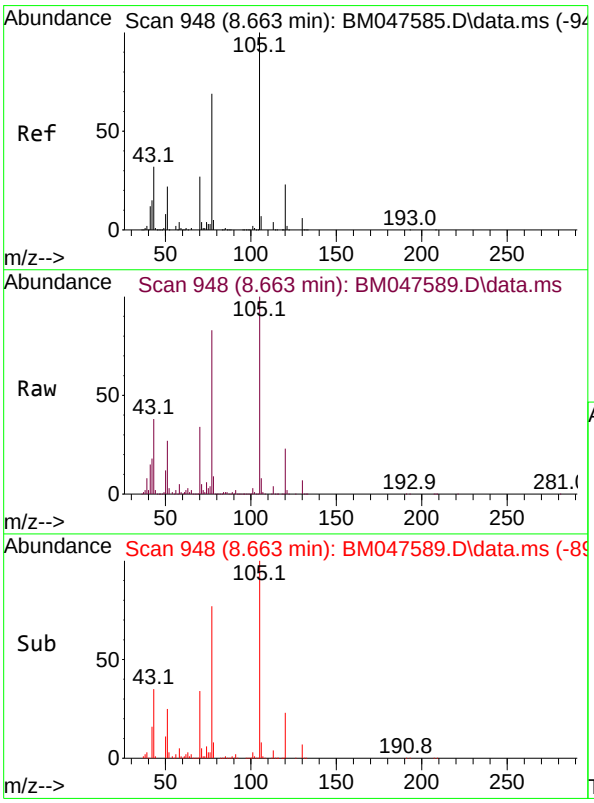
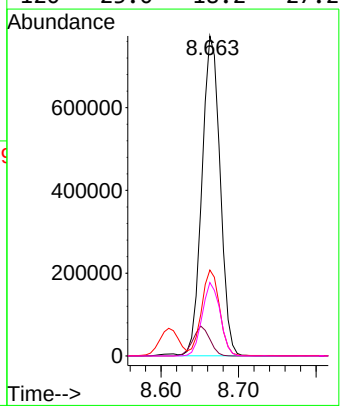
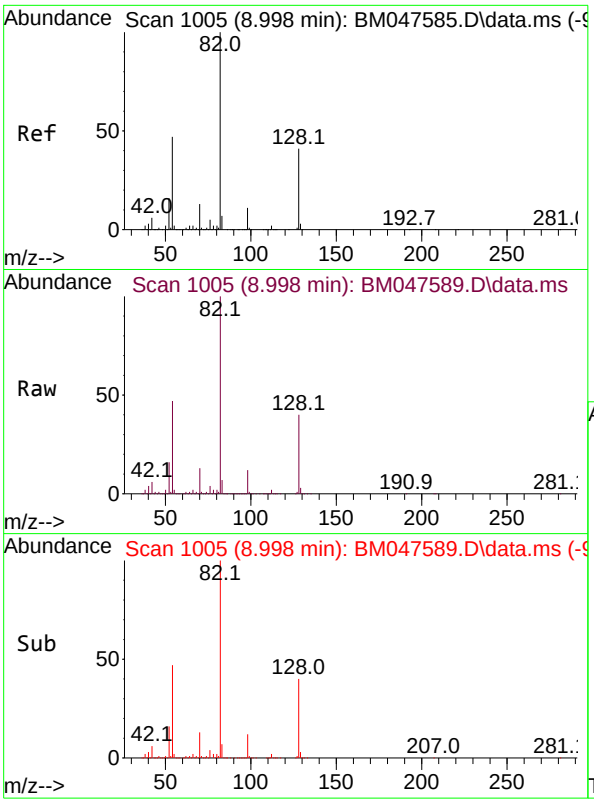


#22
Acetophenone
Concen: 38.607 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:105 Resp: 1256438

Ion	Ratio	Lower	Upper
105	100		
71	5.2	3.4	5.2#
51	26.8	21.4	32.2
120	23.0	18.2	27.2

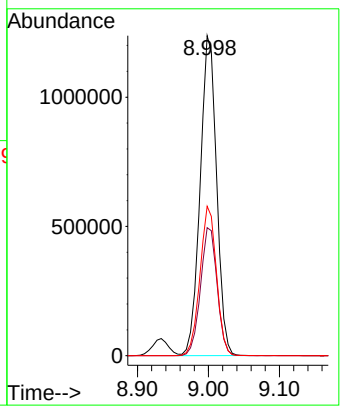




#23
Nitrobenzene-d5
Concen: 79.572 ng
RT: 8.998 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 82 Resp: 199674

Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.5	48.7
54	46.7	37.5	56.3



Instrument :
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ClientSampleId :
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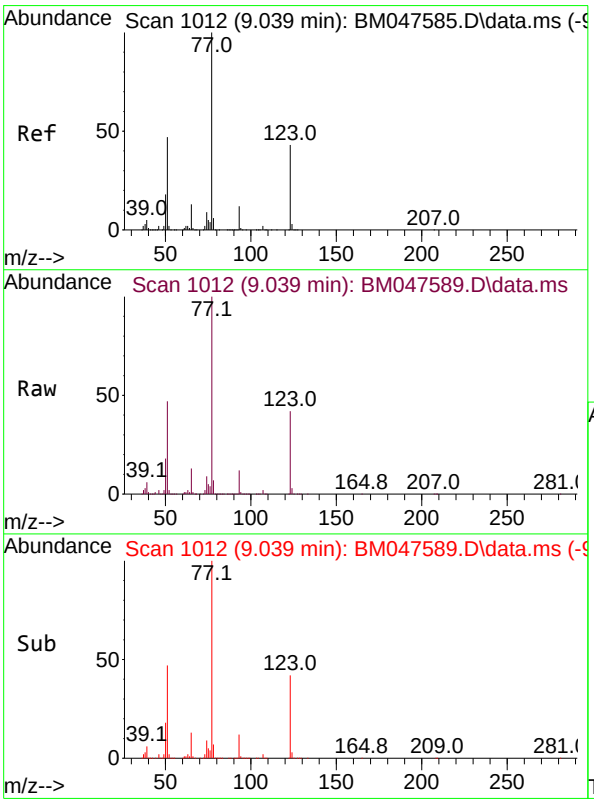
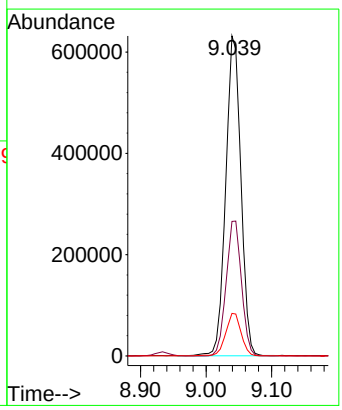
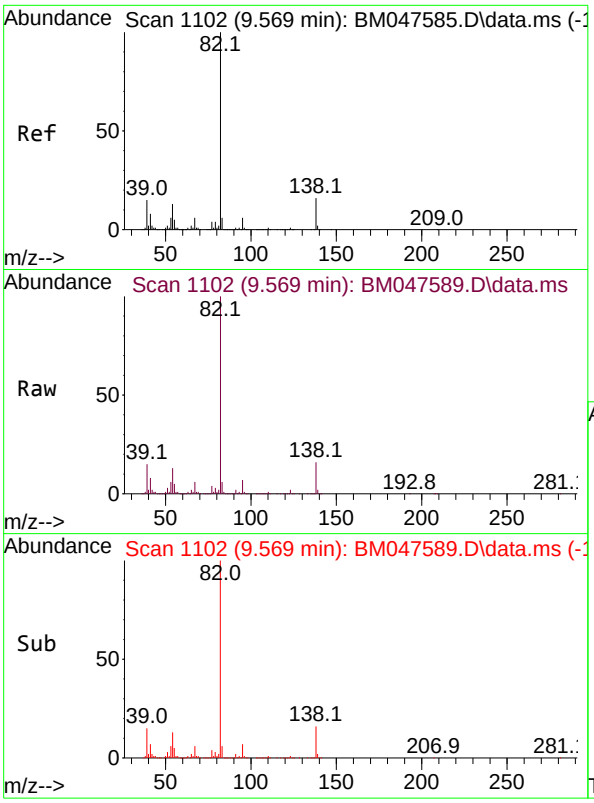


#24
Nitrobenzene
Concen: 39.081 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 77 Resp: 1012896

Ion	Ratio	Lower	Upper
77	100		
123	42.1	34.1	51.1
65	13.3	10.7	16.1

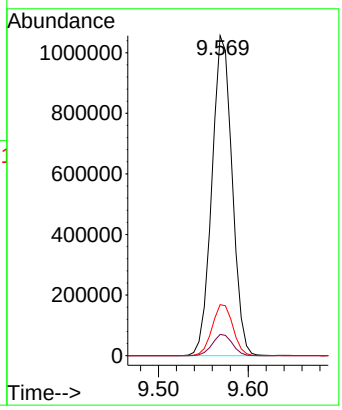




#25
Isophorone
Concen: 39.466 ng
RT: 9.569 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 82 Resp: 165504

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.0	7.6
138	15.9	12.9	19.3



Instrument :
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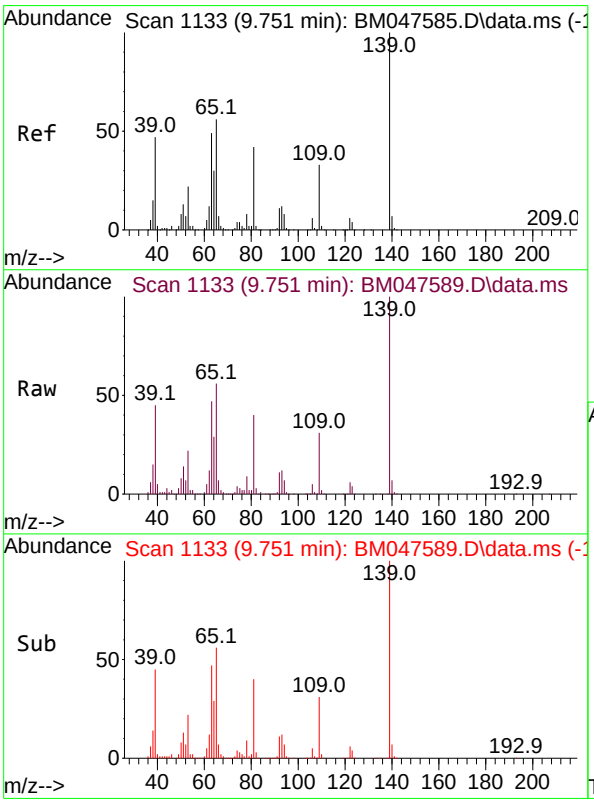
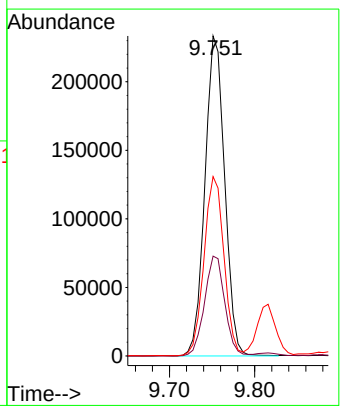
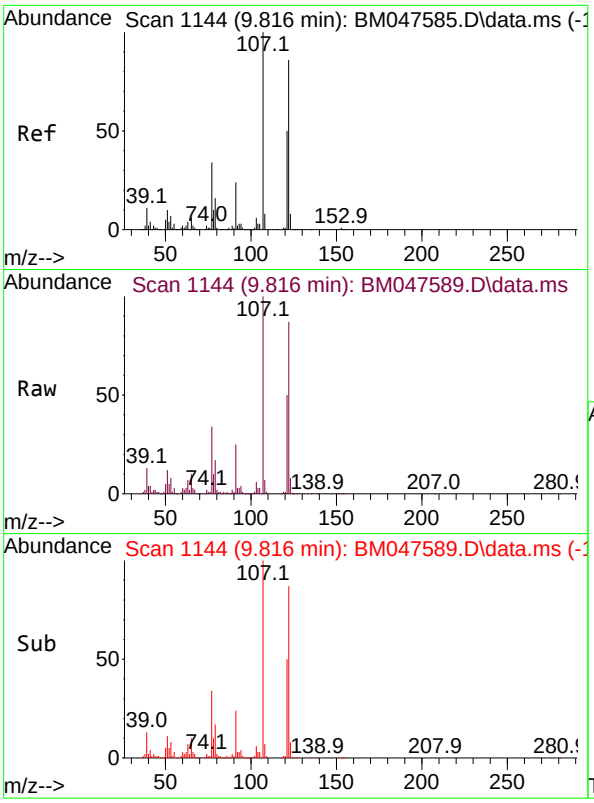


#26
2-Nitrophenol
Concen: 41.204 ng
RT: 9.751 min Scan# 1133
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:139 Resp: 375487

Ion	Ratio	Lower	Upper
139	100		
109	31.2	26.1	39.1
65	56.0	44.7	67.1





#27
2,4-Dimethylphenol
Concen: 39.595 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:122 Resp: 51432

Ion	Ratio	Lower	Upper
122	100		
107	115.2	92.2	138.2
121	57.7	45.8	68.6

Instrument :
BNA_M
ClientSampleId :
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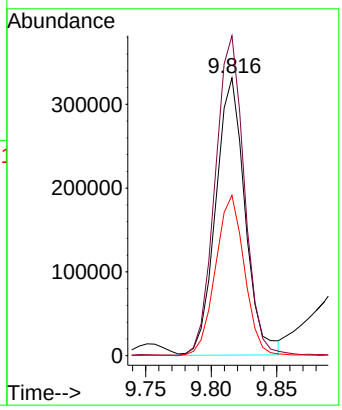
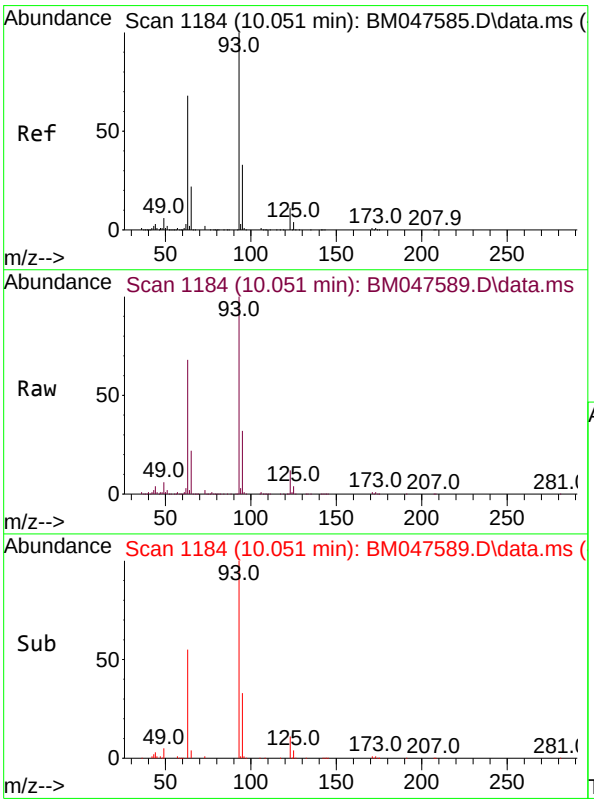
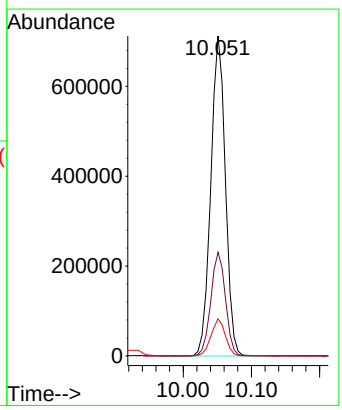


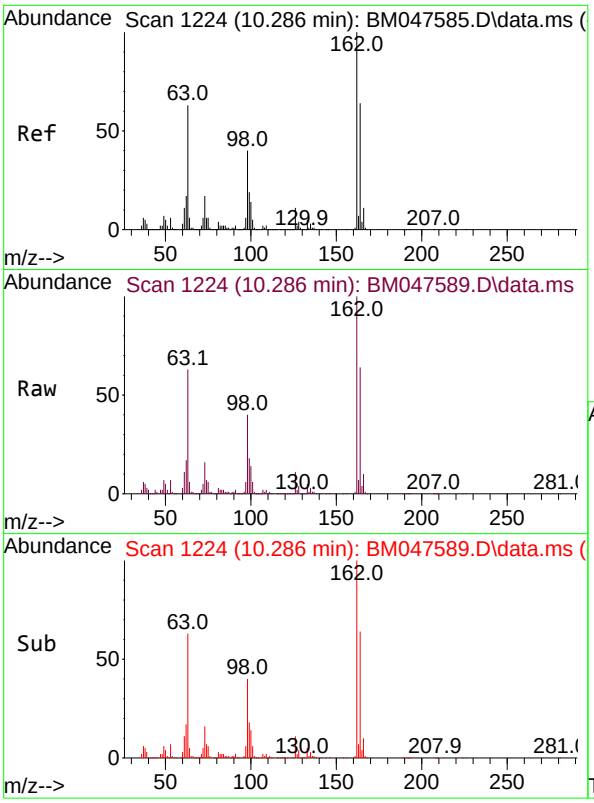


#28
bis(2-Chloroethoxy)methane
Concen: 39.251 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 93 Resp: 1058927

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.6	9.0	13.4

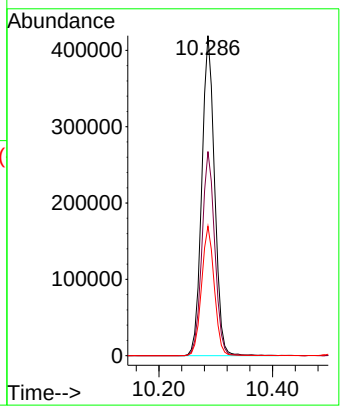




#29
2,4-Dichlorophenol
Concen: 39.823 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:162 Resp: 65391

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.9	83.9
98	40.4	20.3	60.3



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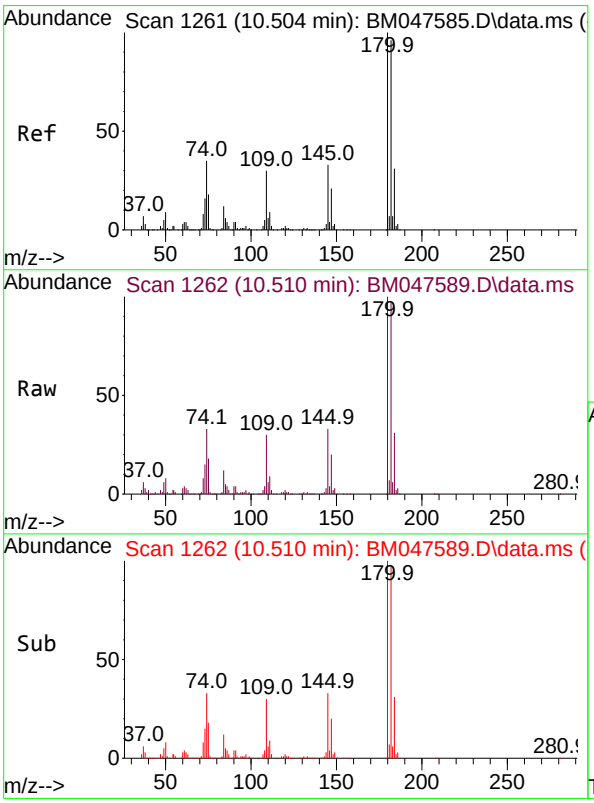
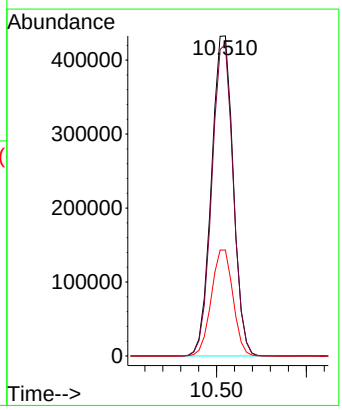
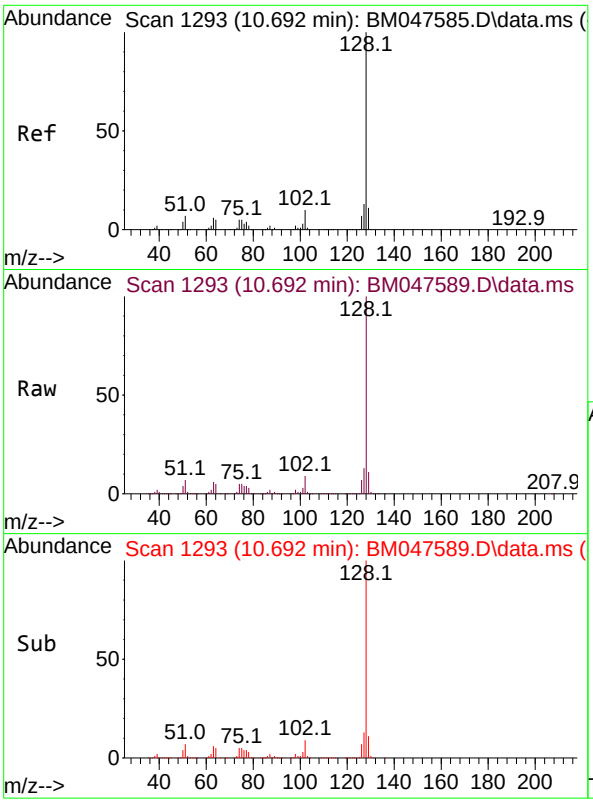


#30
1,2,4-Trichlorobenzene
Concen: 38.918 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:180 Resp: 728387

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.6	115.0
145	33.1	26.2	39.2

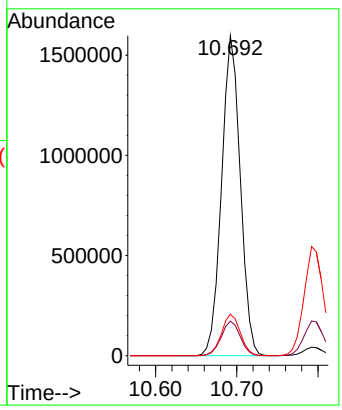




#31
Naphthalene
Concen: 38.746 ng
RT: 10.692 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:128 Resp: 256063

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.0	10.3	15.5



Instrument :
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ClientSampleId :
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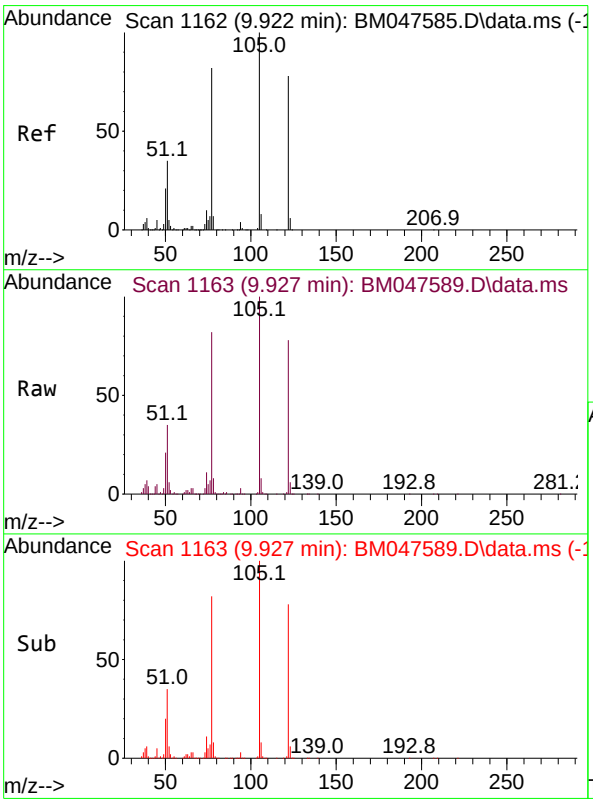
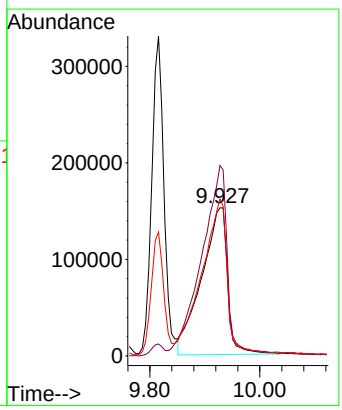
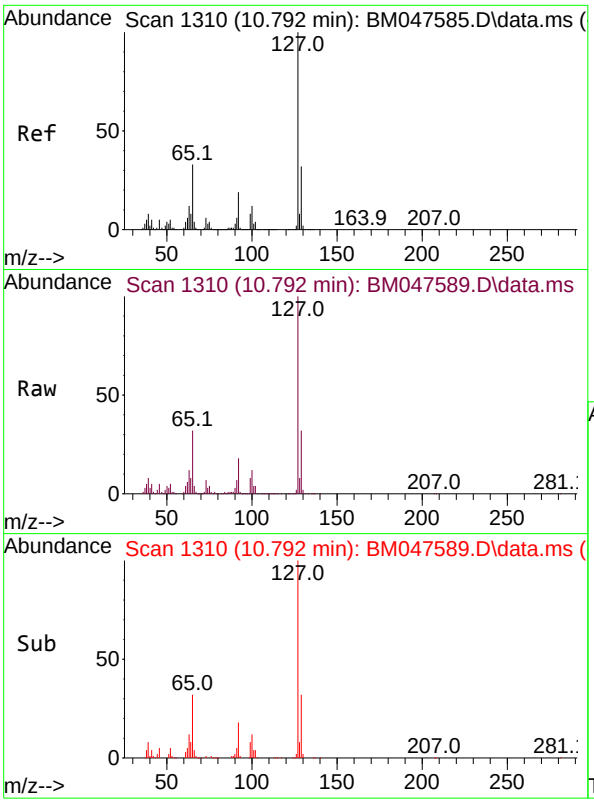


#32
Benzoic acid
Concen: 41.034 ng
RT: 9.927 min Scan# 1163
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:122 Resp: 496863

Ion	Ratio	Lower	Upper
122	100		
105	128.5	103.1	143.1
77	105.9	82.4	122.4

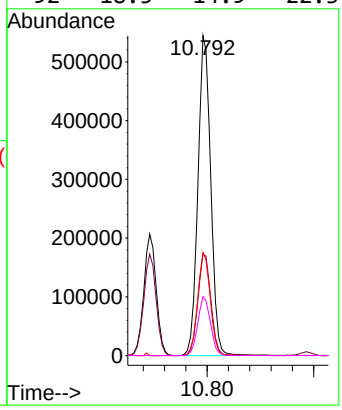




#33
4-Chloroaniline
Concen: 39.072 ng
RT: 10.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:127 Resp: 91036

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.6	38.4
65	32.2	26.1	39.1
92	18.5	14.9	22.3



Instrument :
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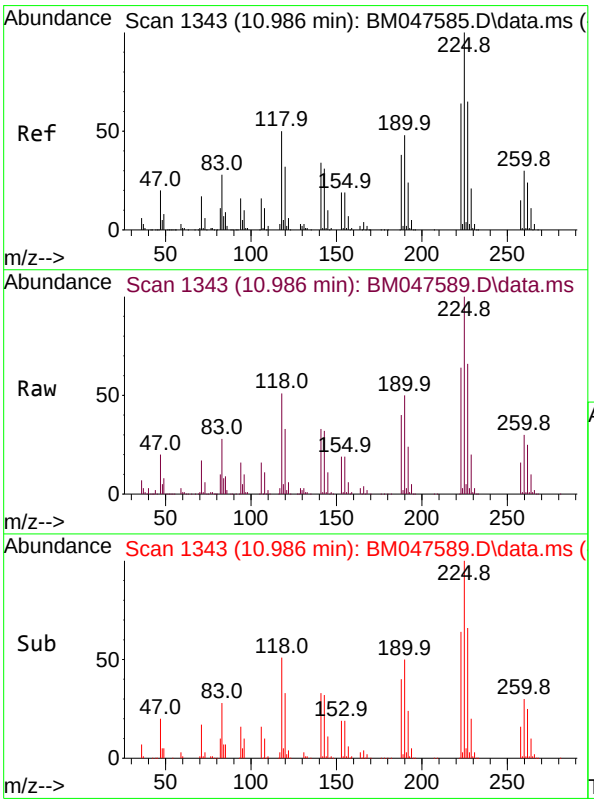
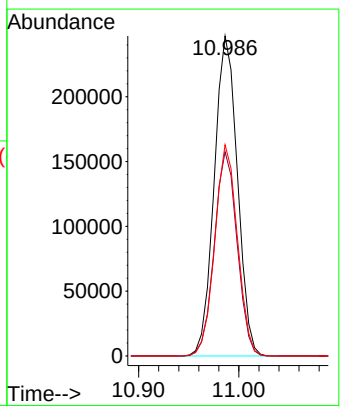
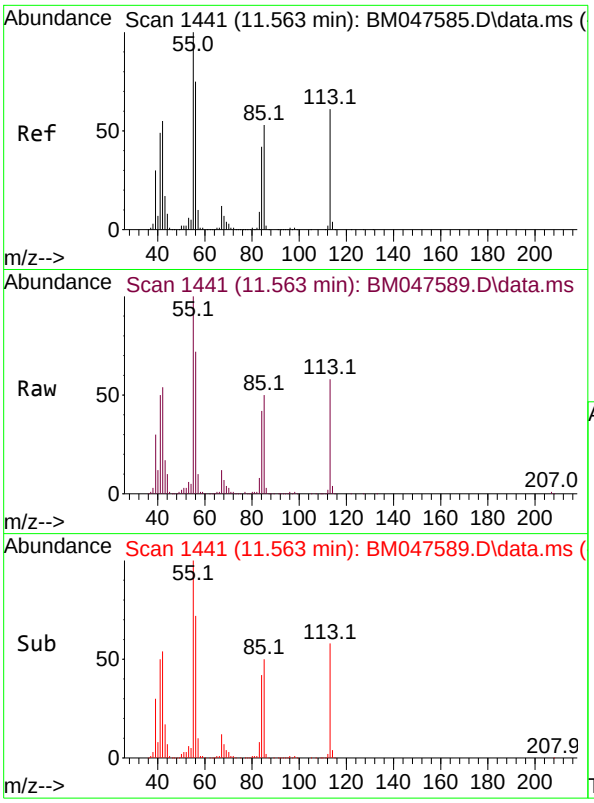


#34
Hexachlorobutadiene
Concen: 38.879 ng
RT: 10.986 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:225 Resp: 395990

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.4	77.0
227	66.0	52.1	78.1





#35
Caprolactam
Concen: 39.024 ng
RT: 11.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:113 Resp: 22149

Ion	Ratio	Lower	Upper
113	100		
55	172.3	145.5	185.5
56	124.2	103.9	143.9

Instrument :
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ClientSampleId :
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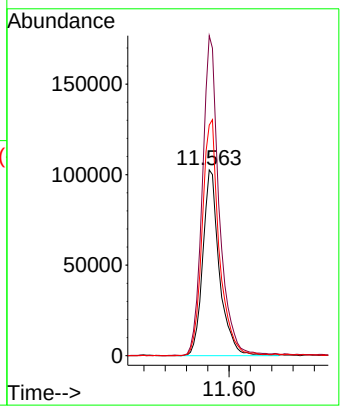
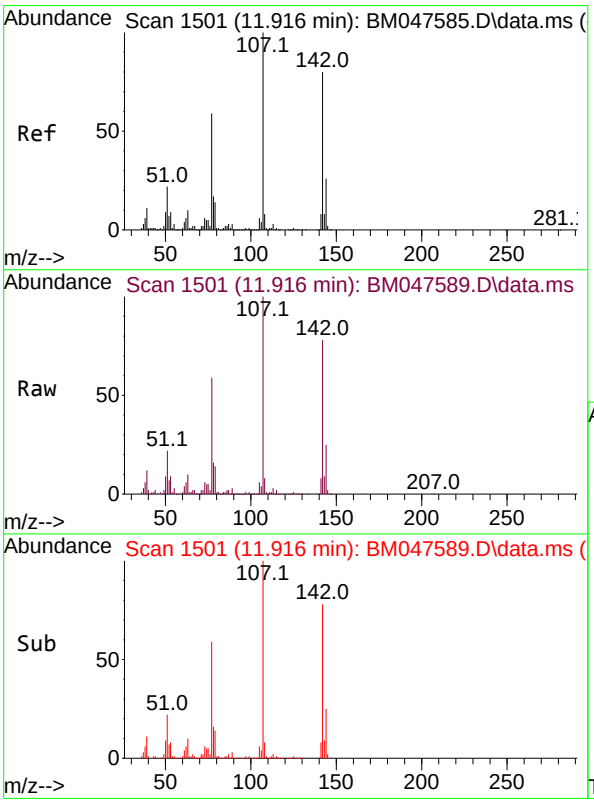
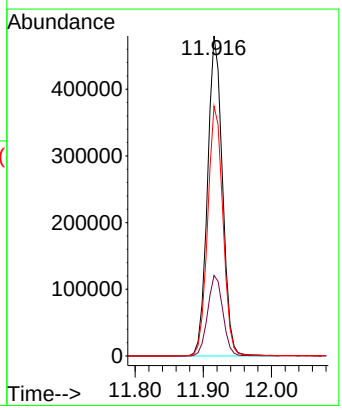


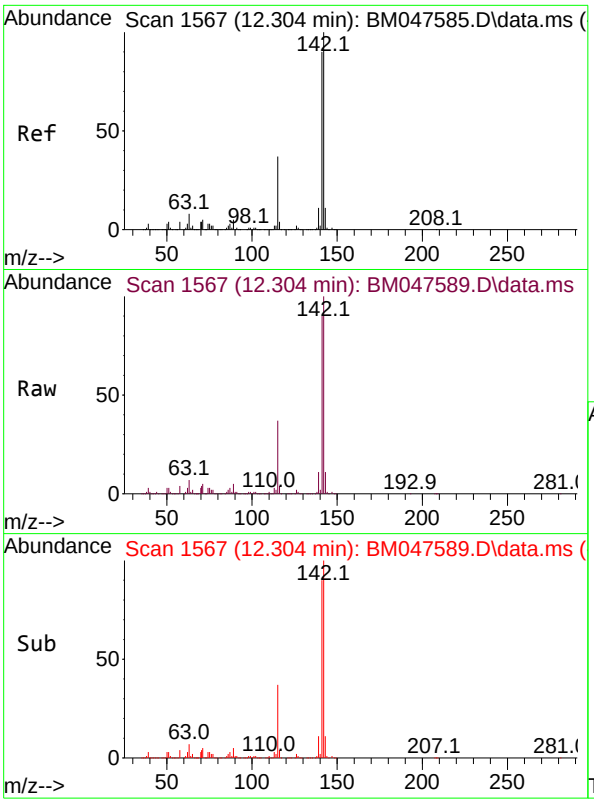


#36
4-Chloro-3-methylphenol
Concen: 39.105 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:107 Resp: 732648

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	78.1	63.9	95.9

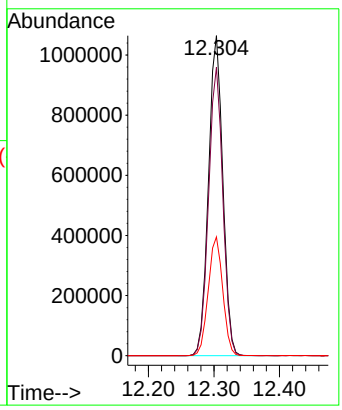




#37
2-Methylnaphthalene
Concen: 38.941 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:142 Resp: 161686

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.7	107.5
115	37.1	29.5	44.3



Instrument :
BNA_M
ClientSampleId :
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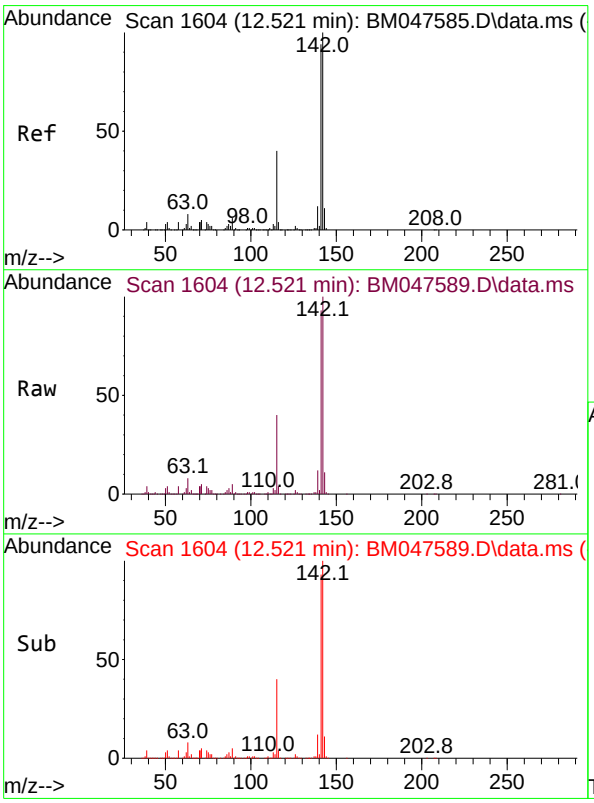
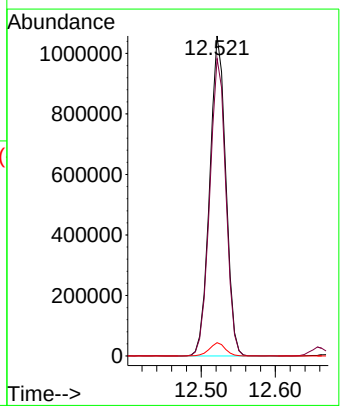
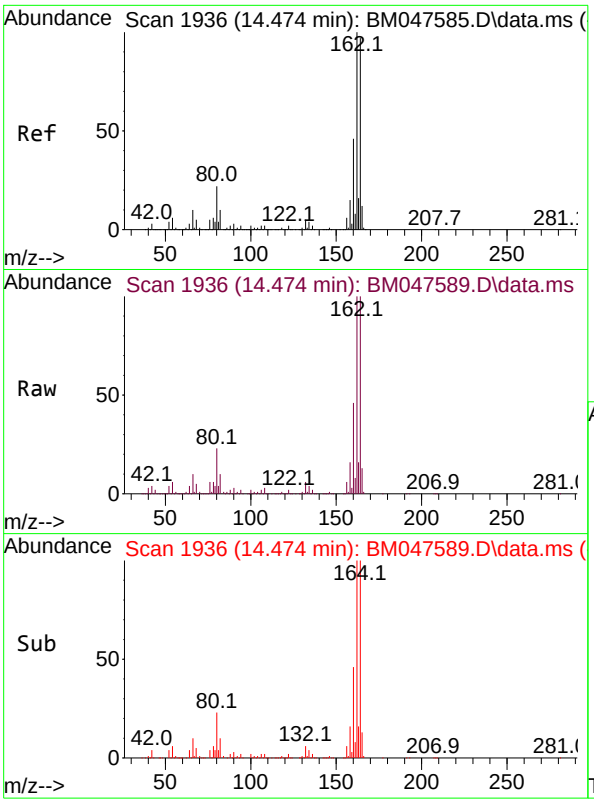


#38
1-Methylnaphthalene
Concen: 38.778 ng
RT: 12.521 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:142 Resp: 1597262

Ion	Ratio	Lower	Upper
142	100		
141	92.9	75.3	112.9
116	4.2	3.0	4.4

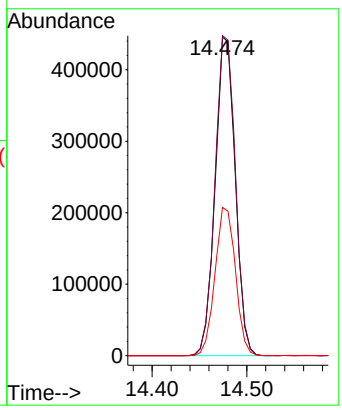




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:164 Resp: 65709

Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.6	123.8
160	46.6	37.8	56.6



Instrument :
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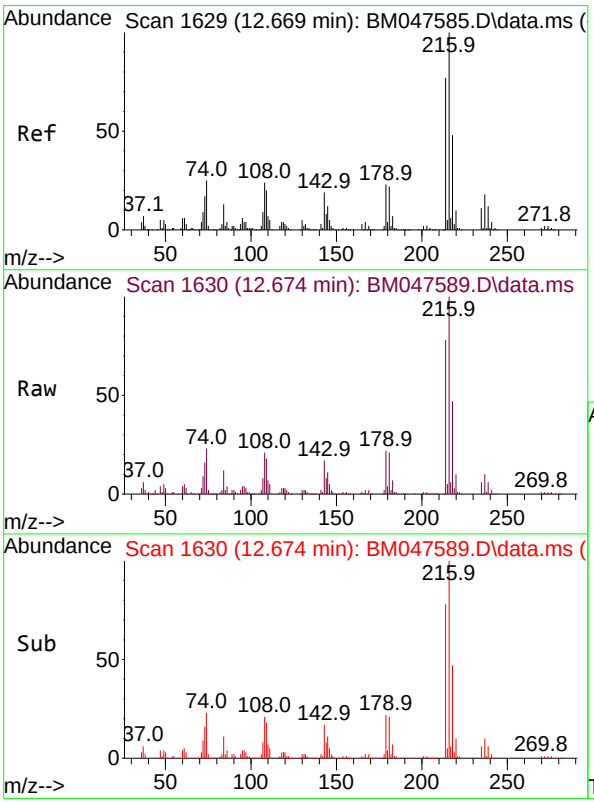
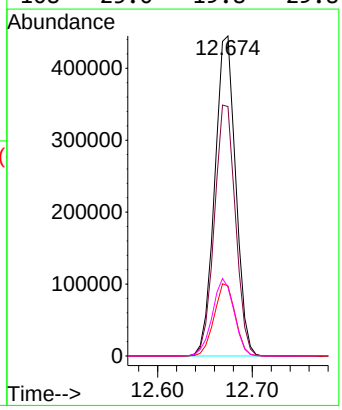
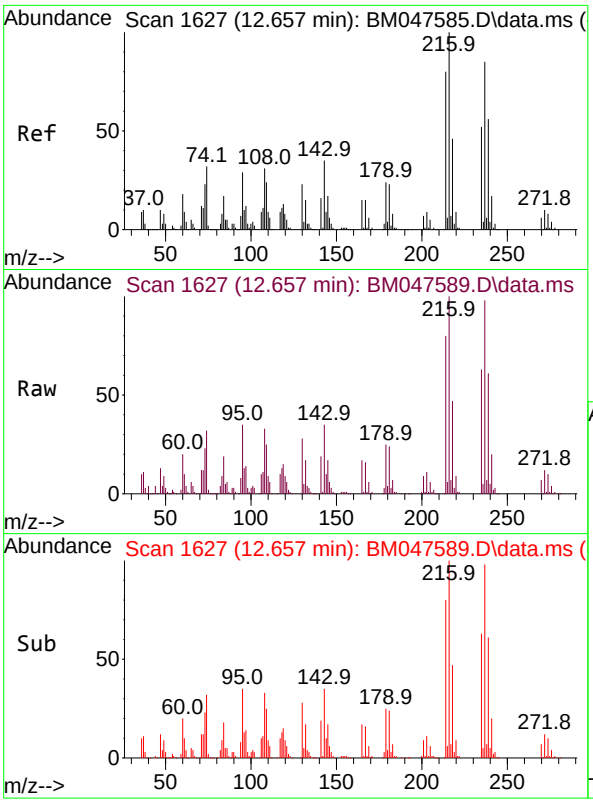


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.536 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:216 Resp: 685567

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.8	94.2
179	22.7	18.5	27.7
108	25.0	19.8	29.8

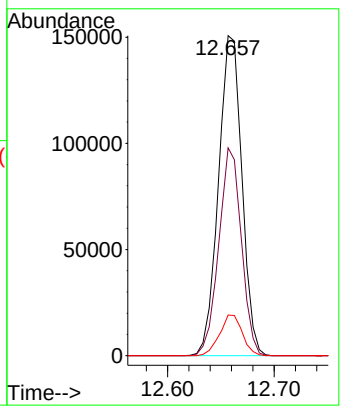




#41
Hexachlorocyclopentadiene
Concen: 40.190 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:237 Resp: 23008

Ion	Ratio	Lower	Upper
237	100		
235	65.0	41.2	81.2
272	12.7	0.0	32.0



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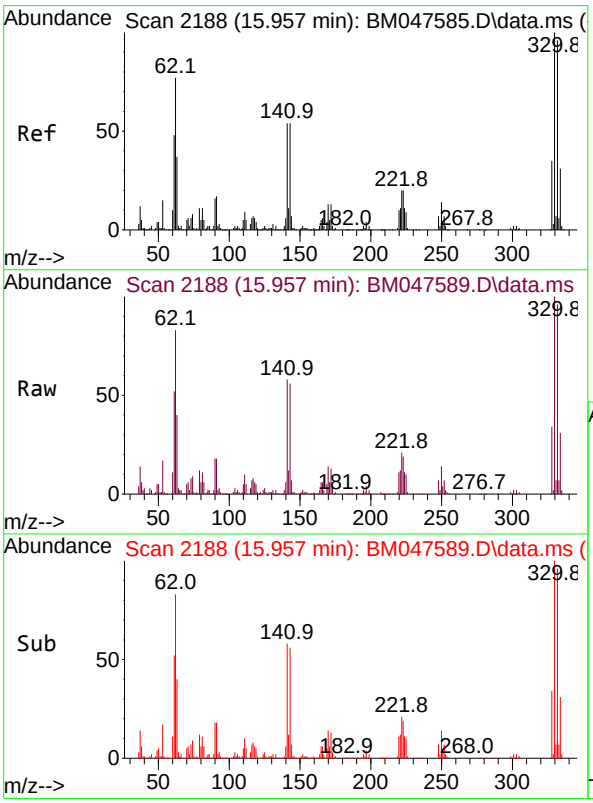
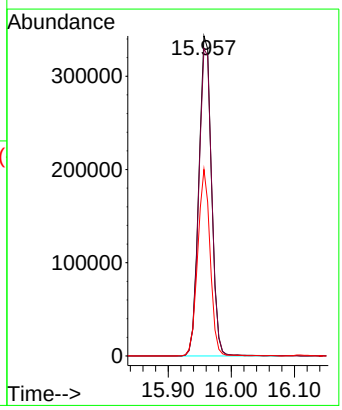
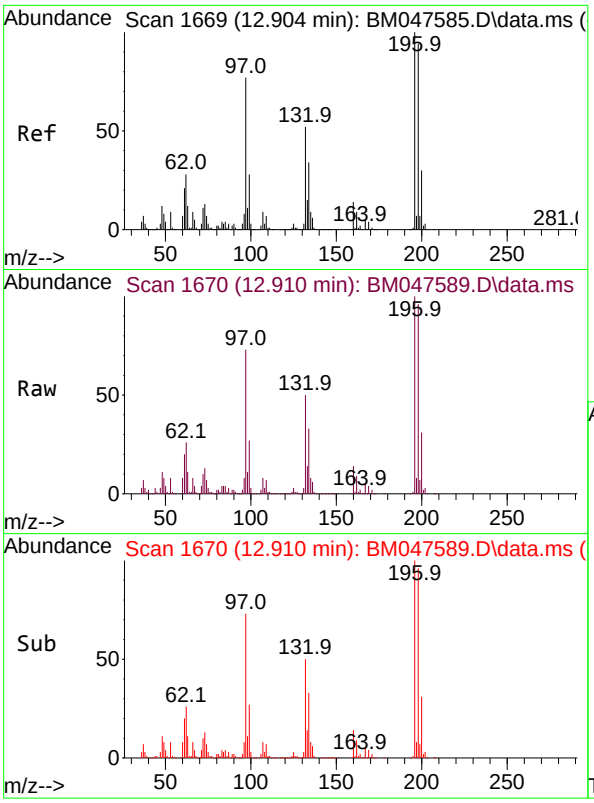


#42
2,4,6-Tribromophenol
Concen: 78.761 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:330 Resp: 479216

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.4
141	57.0	45.9	68.9

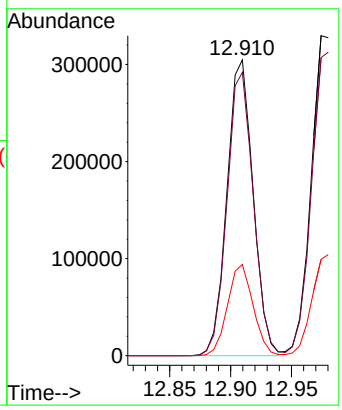




#43
2,4,6-Trichlorophenol
Concen: 40.385 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:196 Resp: 45512

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.5	113.3
200	30.8	24.3	36.5



Instrument :
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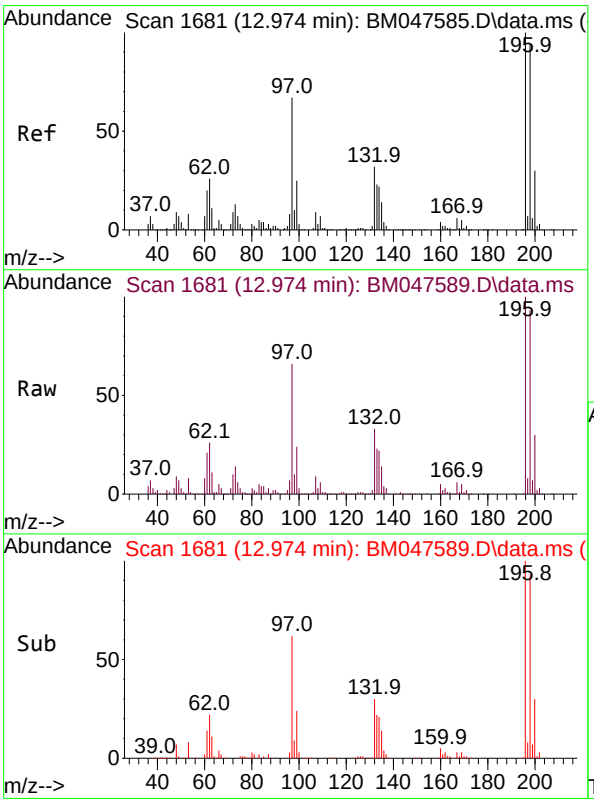
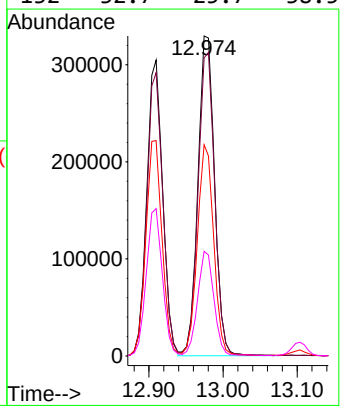
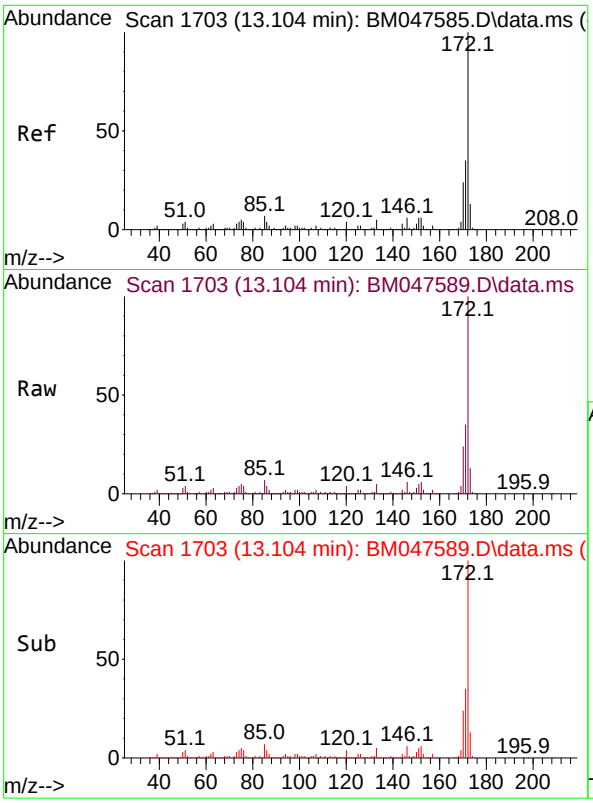


#44
2,4,5-Trichlorophenol
Concen: 40.599 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:196 Resp: 514281

Ion	Ratio	Lower	Upper
196	100		
198	93.1	75.5	113.3
97	66.0	53.5	80.3
132	32.7	25.7	38.5

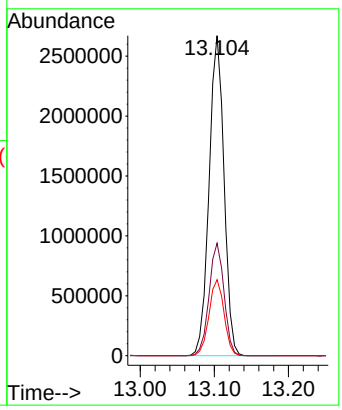




#45
2-Fluorobiphenyl
Concen: 80.264 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:172 Resp: 372733

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.7	19.0	28.6



Instrument :
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ClientSampleId :
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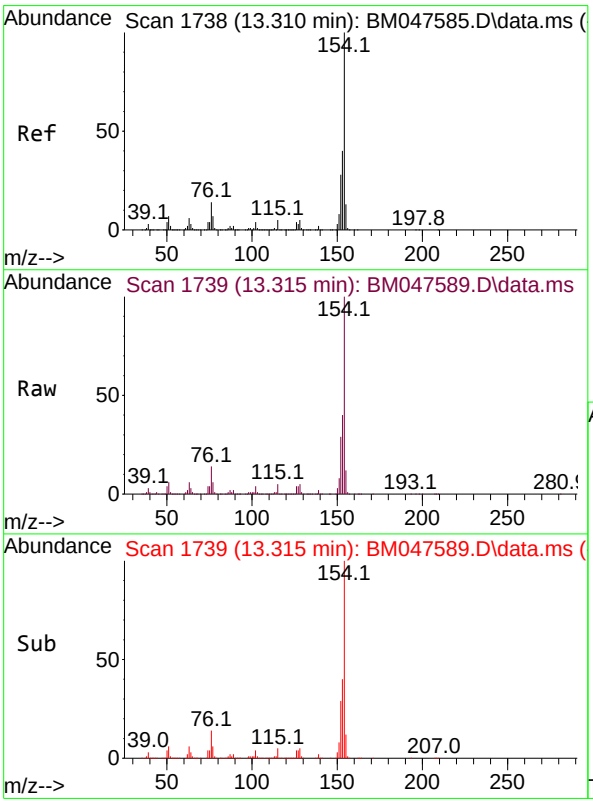
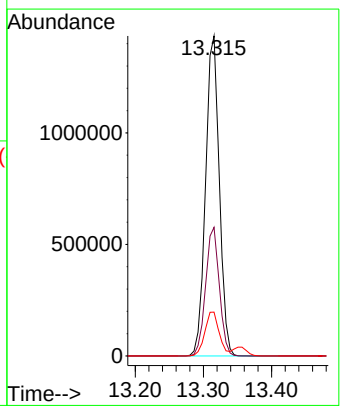
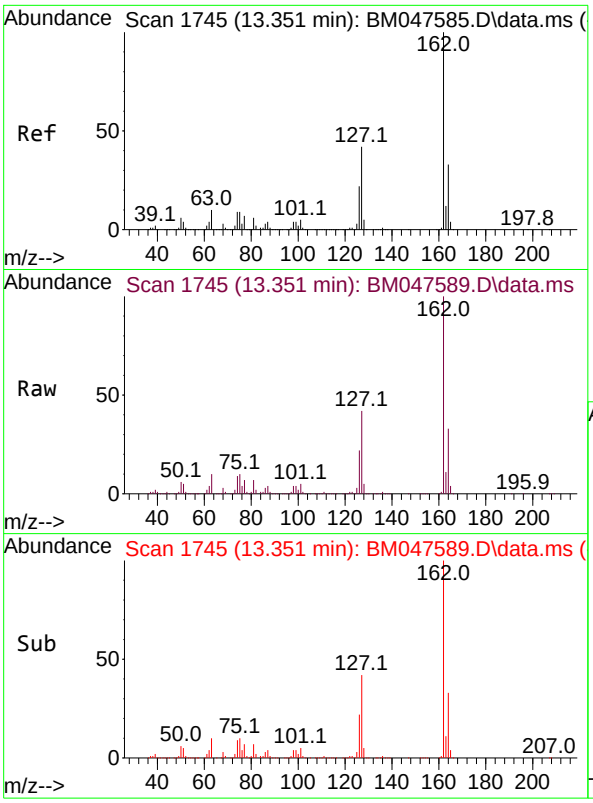


#46
1,1'-Biphenyl
Concen: 39.603 ng
RT: 13.315 min Scan# 1739
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:154 Resp: 2009707

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.9	59.9
76	13.7	0.0	34.5

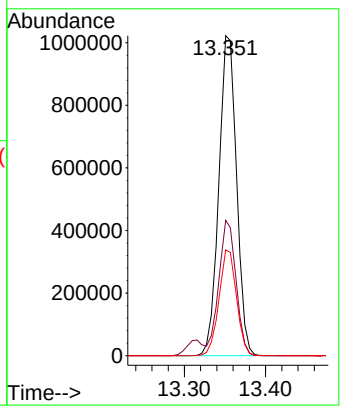




#47
2-Chloronaphthalene
Concen: 39.107 ng
RT: 13.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:162 Resp: 155279

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.8	50.6
164	33.0	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
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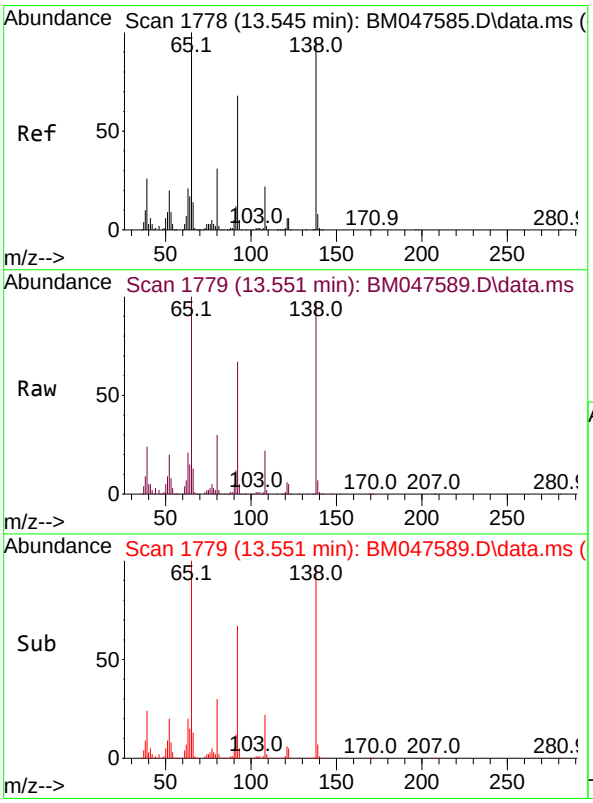
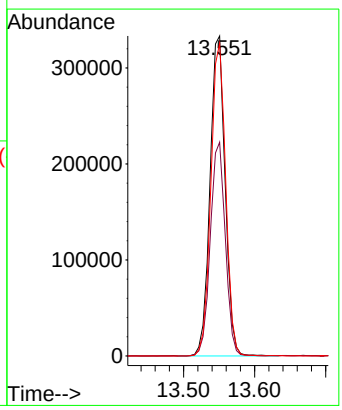
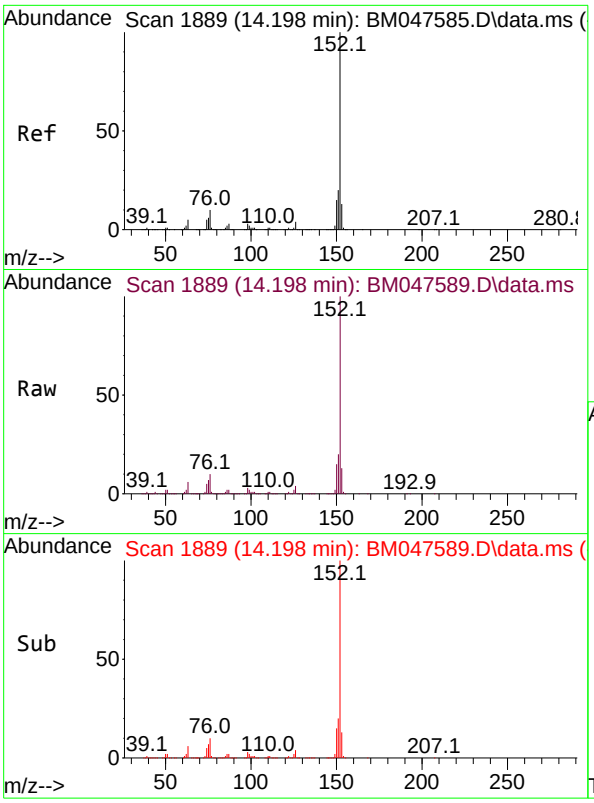


#48
2-Nitroaniline
Concen: 41.426 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion: 65 Resp: 491271

Ion	Ratio	Lower	Upper
65	100		
92	66.8	54.2	81.4
138	97.8	76.6	114.8

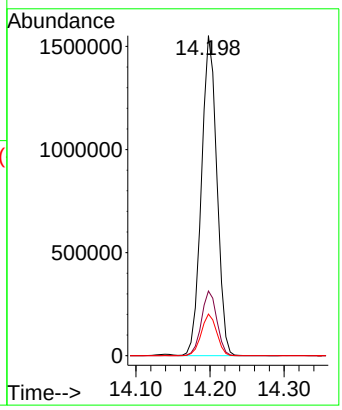




#49
Acenaphthylene
Concen: 39.324 ng
RT: 14.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:152 Resp: 224699

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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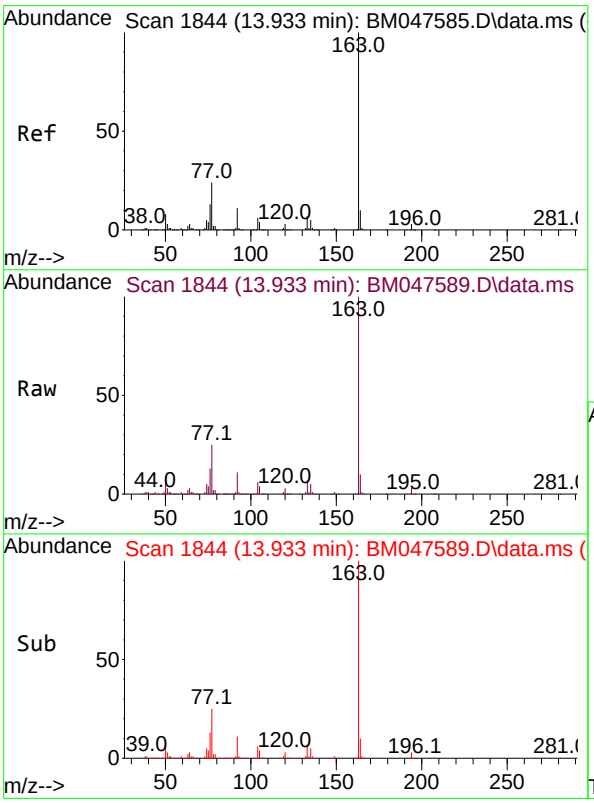
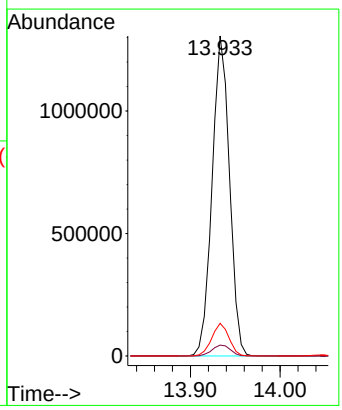
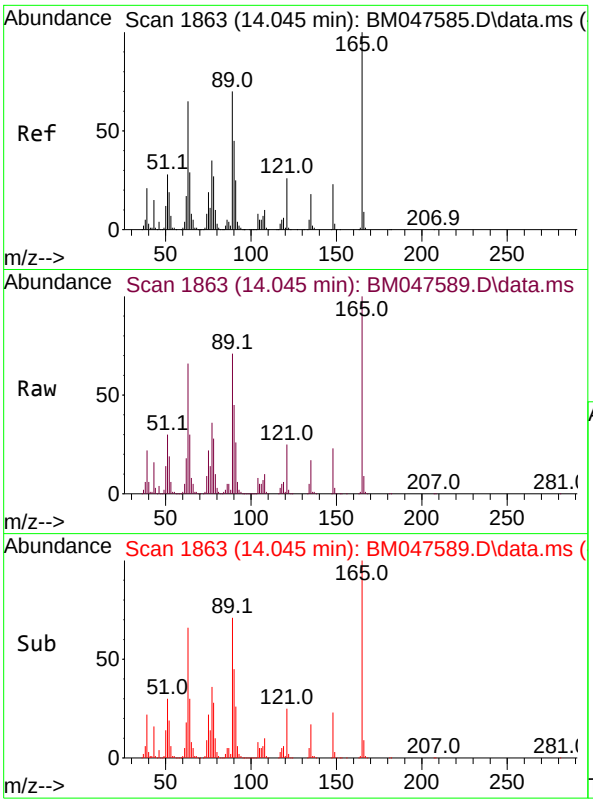


#50
Dimethylphthalate
Concen: 38.716 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:163 Resp: 1756523

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.2	8.2	12.2

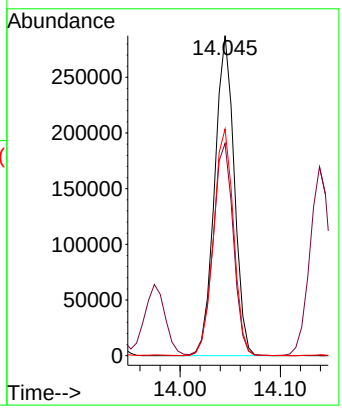




#51
2,6-Dinitrotoluene
Concen: 40.960 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:165 Resp: 38933

Ion	Ratio	Lower	Upper
165	100		
63	66.3	53.0	79.6
89	70.9	56.4	84.6



Instrument :
BNA_M
ClientSampleId :
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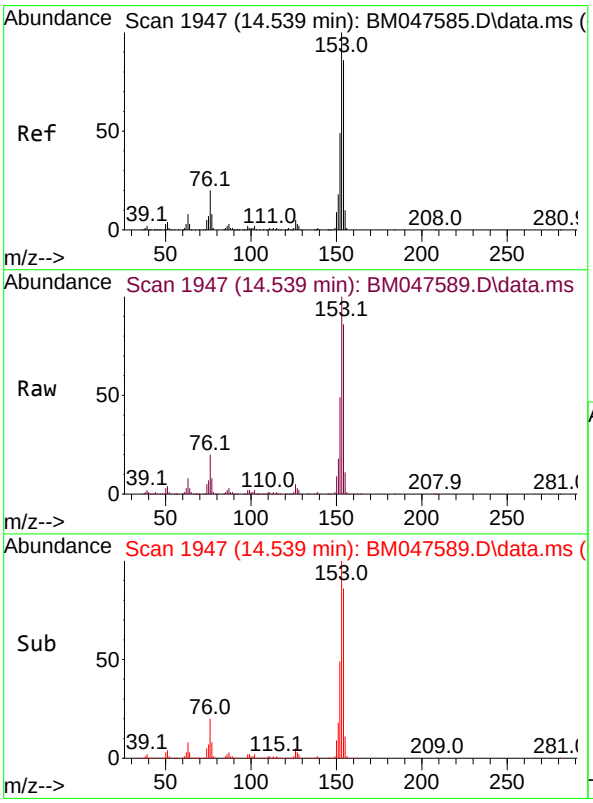
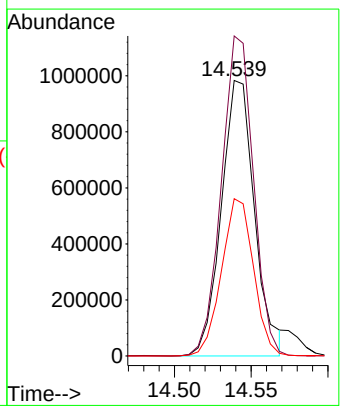
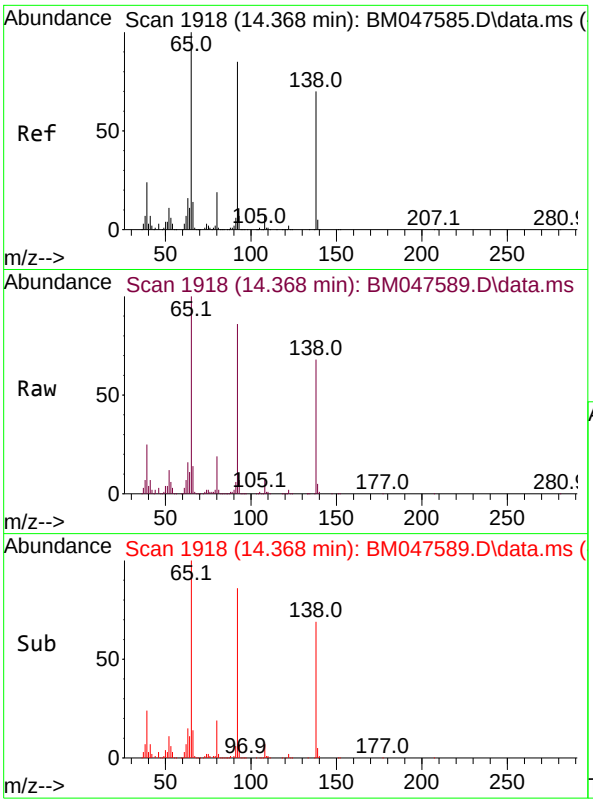


#52
Acenaphthene
Concen: 39.262 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:154 Resp: 1482065

Ion	Ratio	Lower	Upper
154	100		
153	116.2	92.8	139.2
152	57.1	45.7	68.5

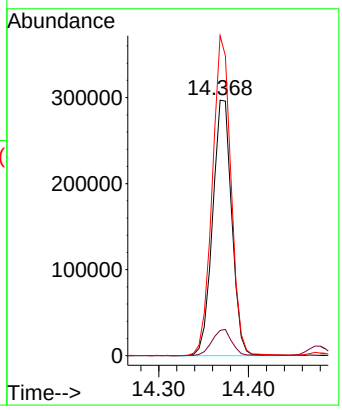




#53
3-Nitroaniline
Concen: 40.245 ng
RT: 14.368 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:138 Resp: 43874

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.3	12.5
92	125.3	97.0	145.6



Instrument :
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ClientSampleId :
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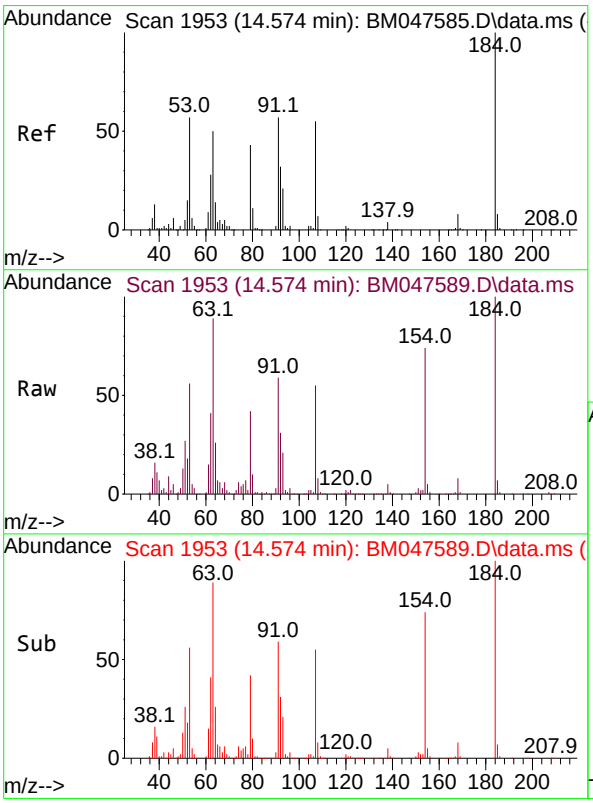
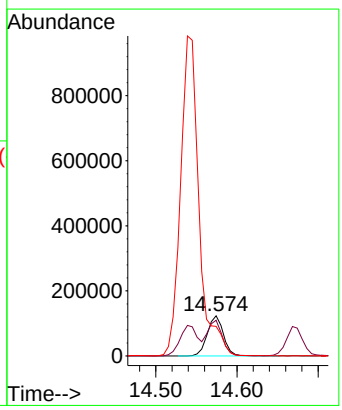
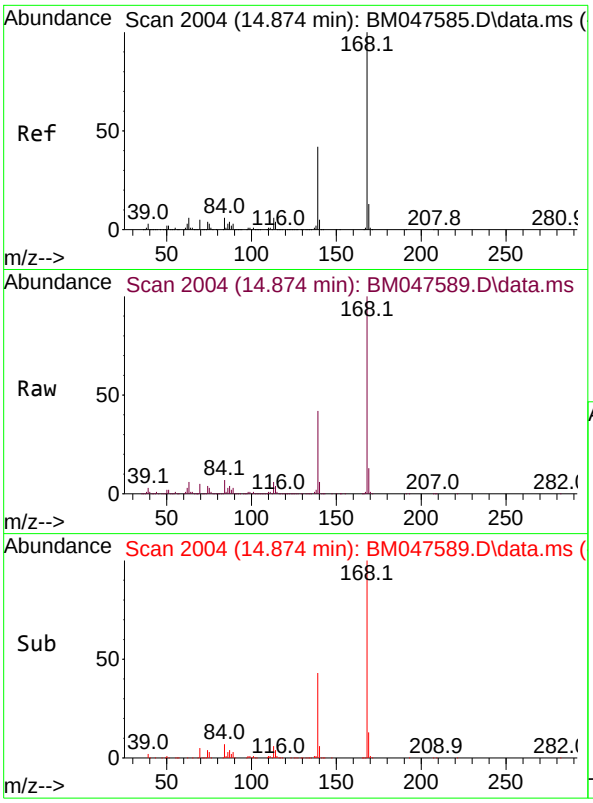


#54
2,4-Dinitrophenol
Concen: 39.443 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:184 Resp: 169961

Ion	Ratio	Lower	Upper
184	100		
63	88.8	69.0	103.6
154	73.7	59.7	89.5

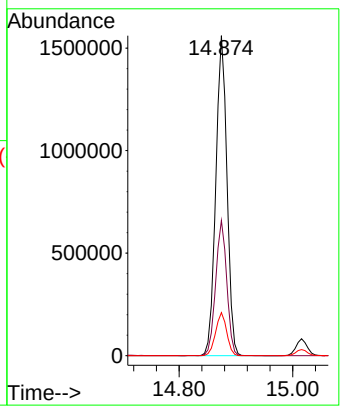




#55
Dibenzofuran
Concen: 38.548 ng
RT: 14.874 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:168 Resp: 212642

Ion	Ratio	Lower	Upper
168	100		
139	42.3	33.4	50.2
169	13.4	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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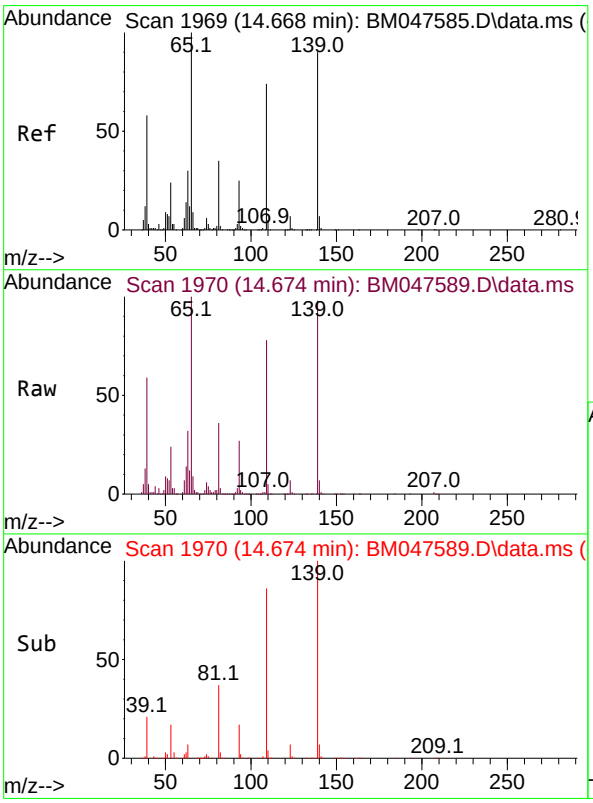
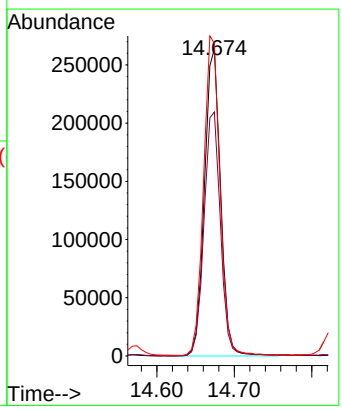
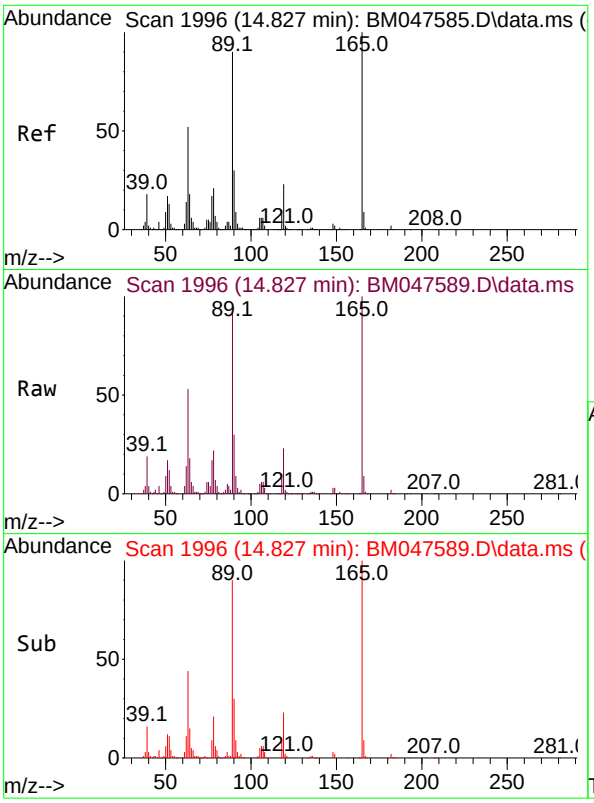


#56
4-Nitrophenol
Concen: 40.843 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:139 Resp: 381550

Ion	Ratio	Lower	Upper
139	100		
109	79.5	63.1	103.1
65	101.9	91.8	131.8

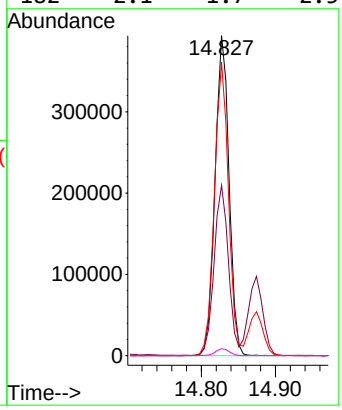




#57
2,4-Dinitrotoluene
Concen: 40.769 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:165 Resp: 51637

Ion	Ratio	Lower	Upper
165	100		
63	53.2	41.6	62.4
89	91.6	71.7	107.5
182	2.1	1.7	2.5



Instrument :
BNA_M
ClientSampleId :
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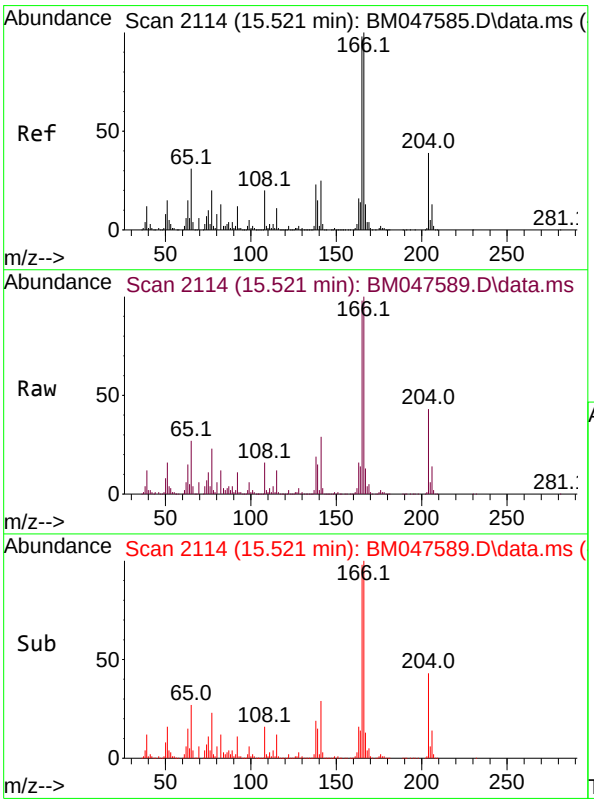
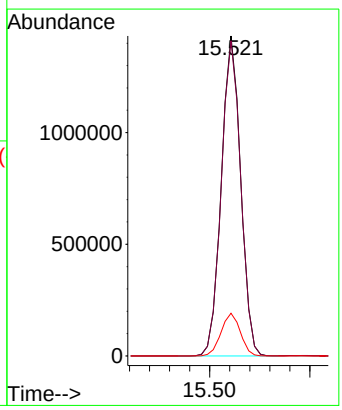
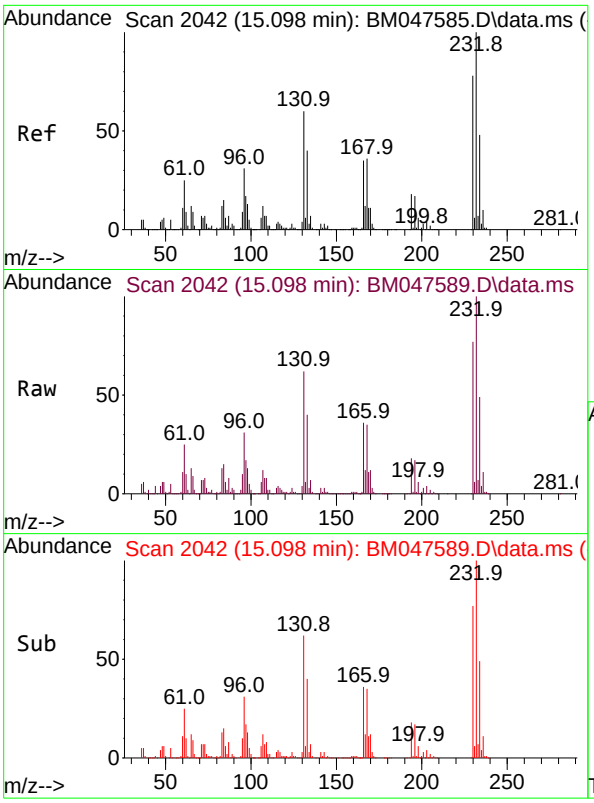


#58
Fluorene
Concen: 39.099 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:166 Resp: 1908884

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.4	117.6
167	13.4	10.5	15.7

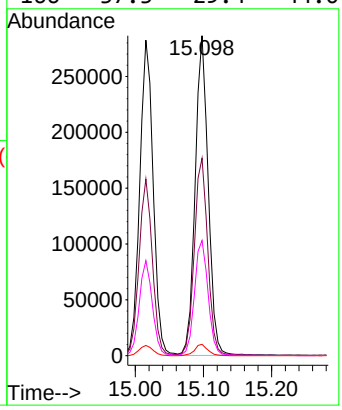




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.375 ng
RT: 15.098 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:232 Resp: 38127

Ion	Ratio	Lower	Upper
232	100		
131	63.4	50.3	75.5
130	3.6	3.0	4.4
166	37.3	29.4	44.0



Instrument :
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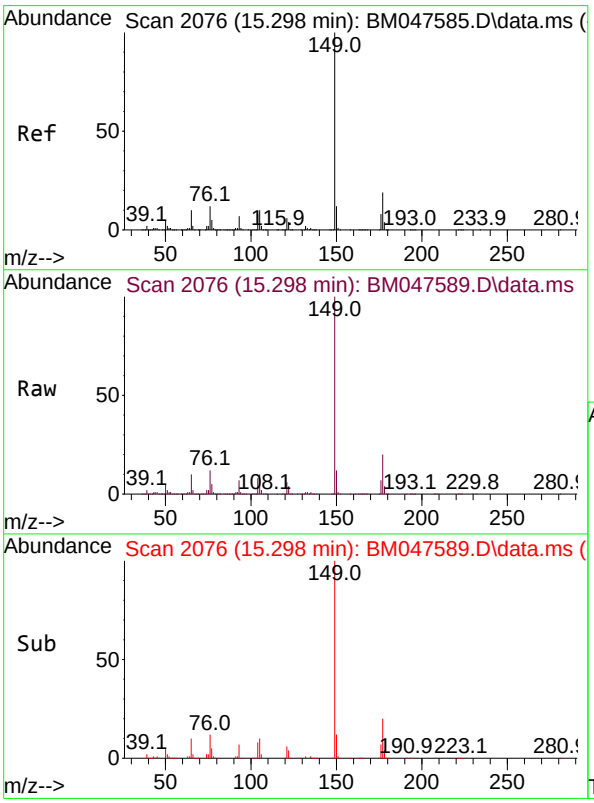
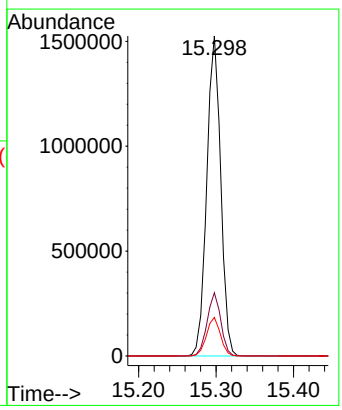
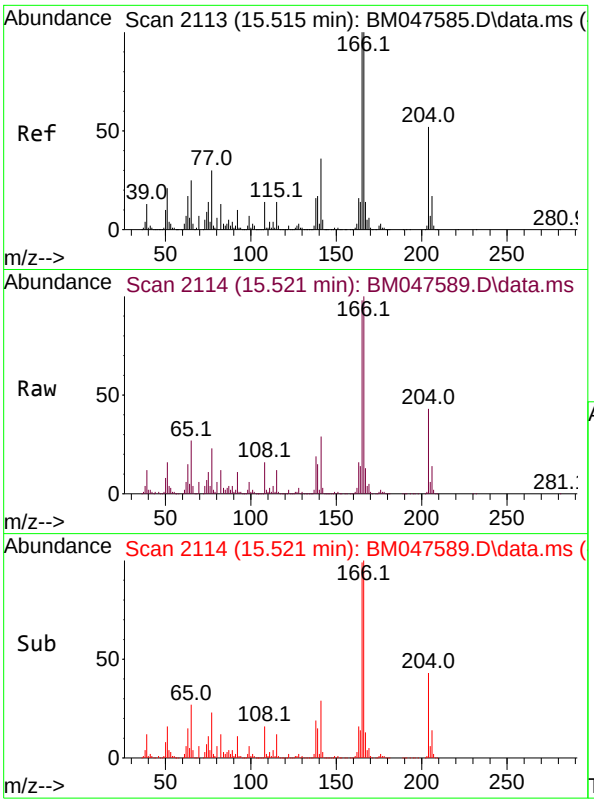


#60
Diethylphthalate
Concen: 39.371 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:149 Resp: 1904290

Ion	Ratio	Lower	Upper
149	100		
177	19.8	15.4	23.0
150	12.0	9.4	14.0

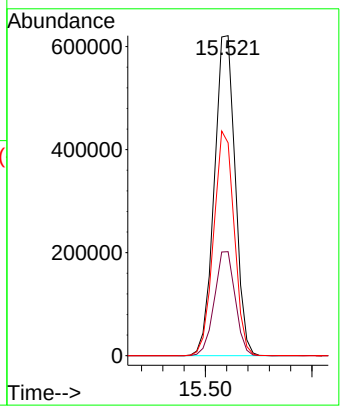




#61
4-Chlorophenyl-phenylether
Concen: 39.572 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:204 Resp: 84416

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.2
141	66.5	55.3	82.9



Instrument :
BNA_M
ClientSampleId :
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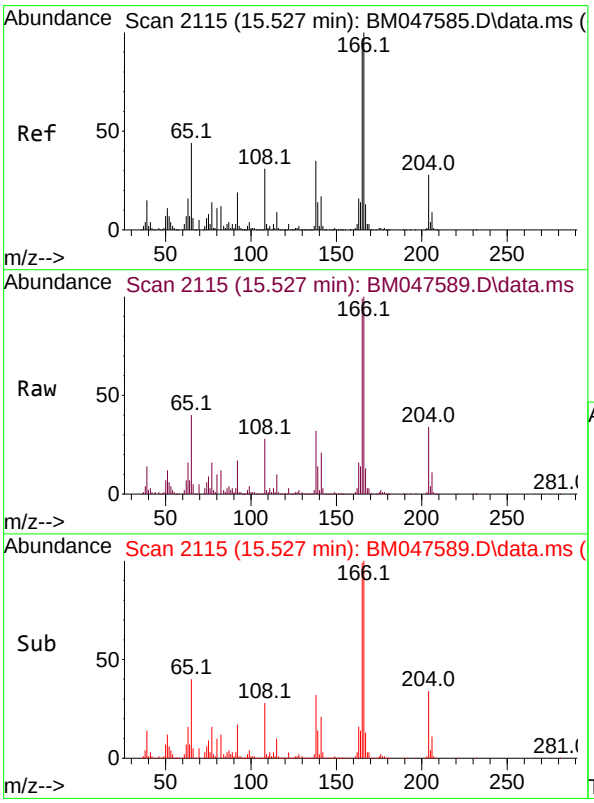
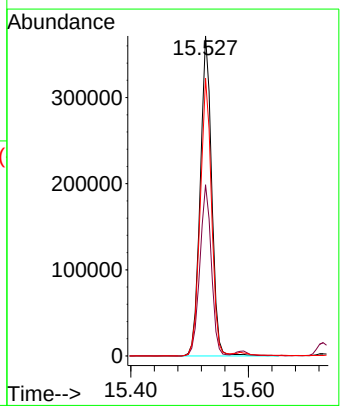
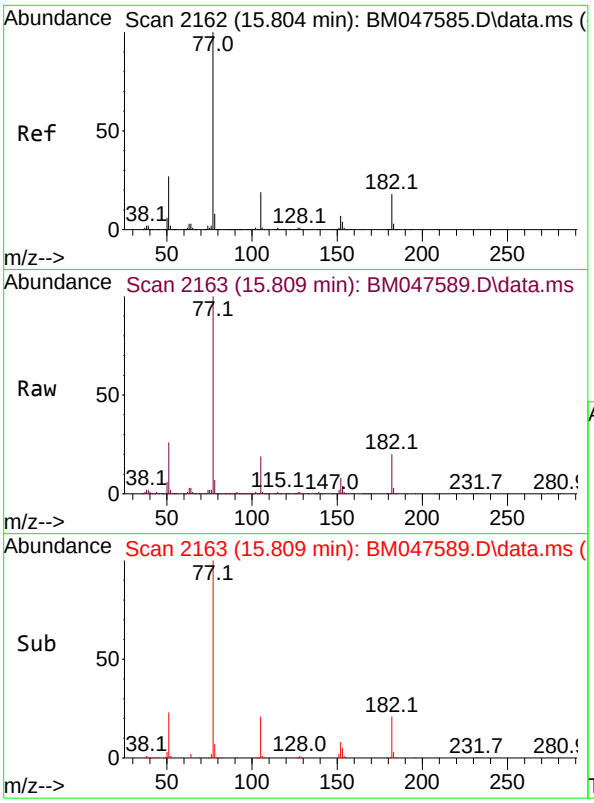


#62
4-Nitroaniline
Concen: 41.097 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:138 Resp: 504816

Ion	Ratio	Lower	Upper
138	100		
92	53.5	33.3	73.3
108	86.8	66.2	106.2





#63
Azobenzene
Concen: 39.690 ng
RT: 15.809 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Tgt Ion: 77 Resp: 209874

Ion	Ratio	Lower	Upper
77	100		
182	19.5	0.0	38.2
105	19.2	0.0	38.8
51	26.4	6.9	46.9

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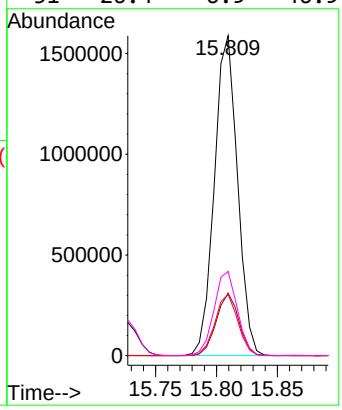
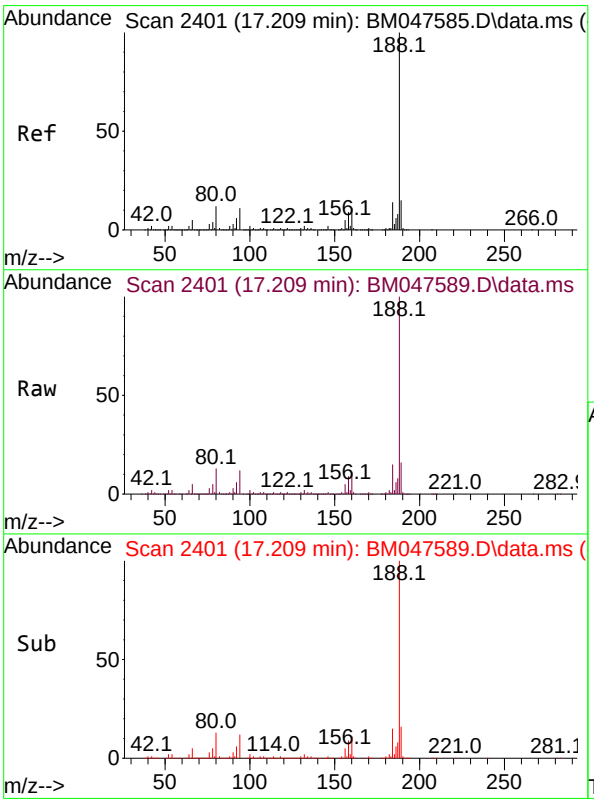
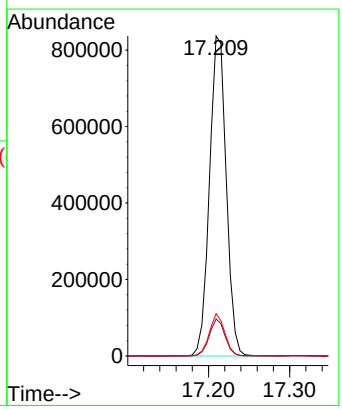


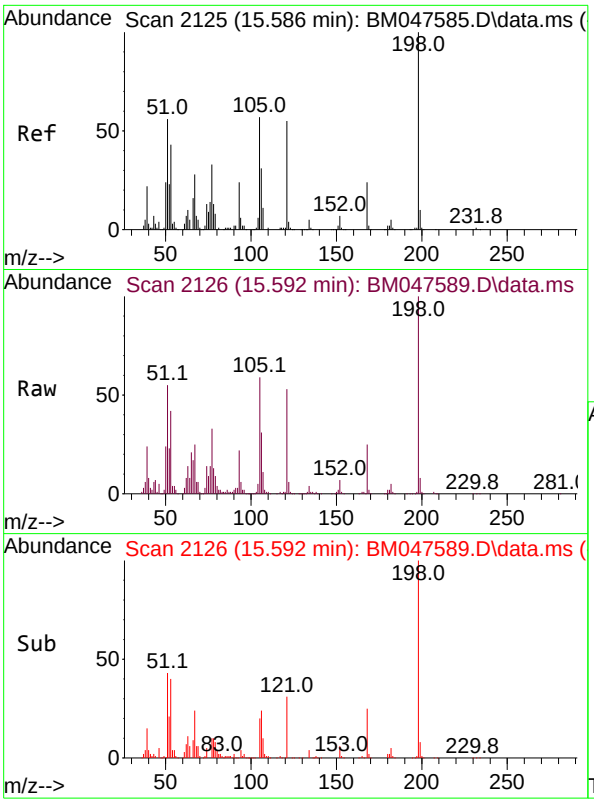


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:188 Resp: 1199749

Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.6	13.0
80	13.2	9.9	14.9

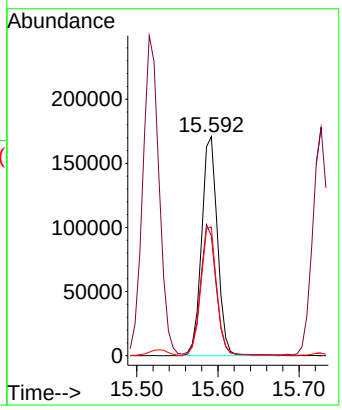




#65
4,6-Dinitro-2-methylphenol
Concen: 40.472 ng
RT: 15.592 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:198 Resp: 23008

Ion	Ratio	Lower	Upper
198	100		
51	54.8	38.2	78.2
105	58.8	38.0	78.0



Instrument :
BNA_M
ClientSampleId :
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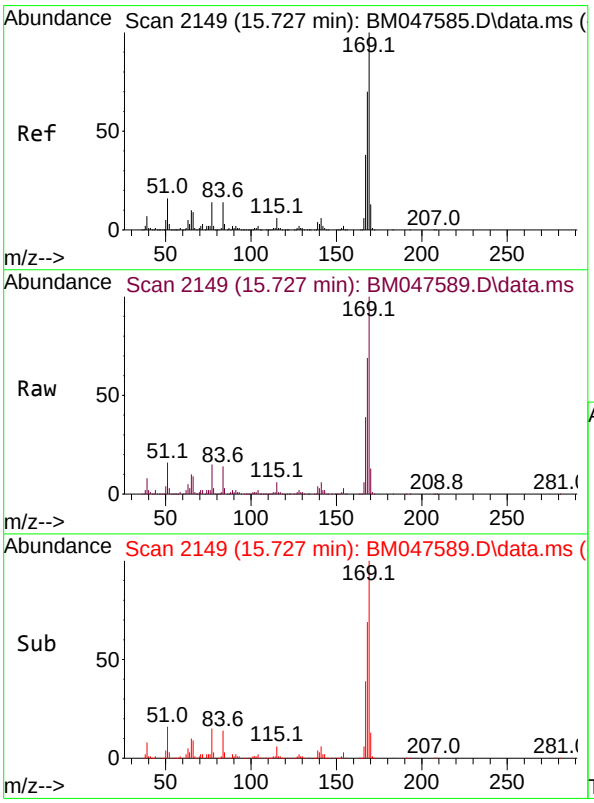
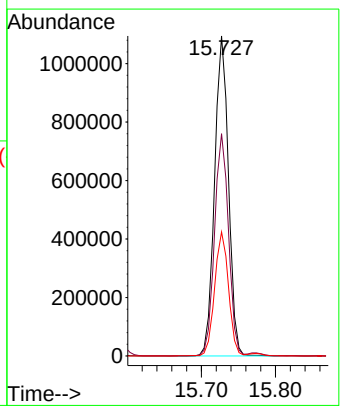
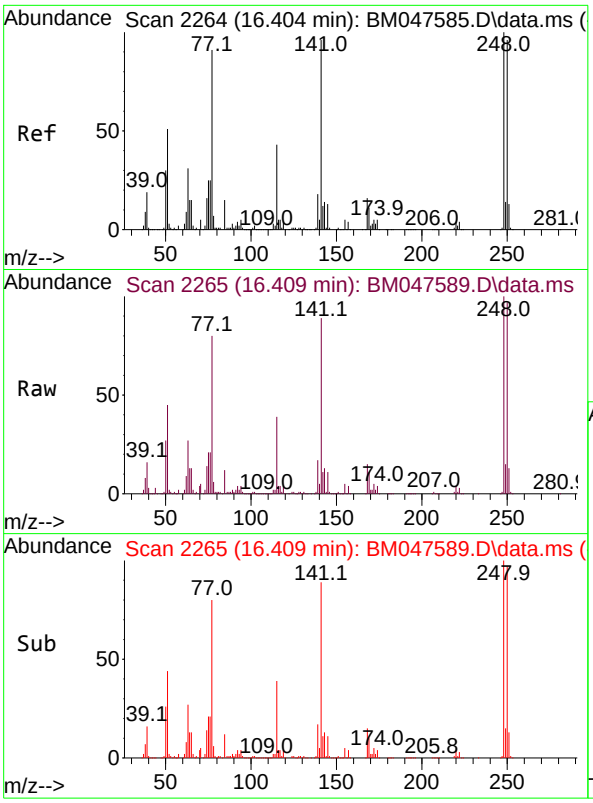


#66
n-Nitrosodiphenylamine
Concen: 39.729 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:169 Resp: 1423616

Ion	Ratio	Lower	Upper
169	100		
168	69.5	55.8	83.8
167	38.7	30.7	46.1





#67
4-Bromophenyl-phenylether
Concen: 40.208 ng
RT: 16.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:248 Resp: 43821

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.7	115.1
141	88.8	76.7	115.1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

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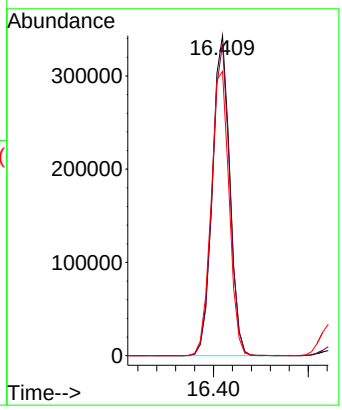
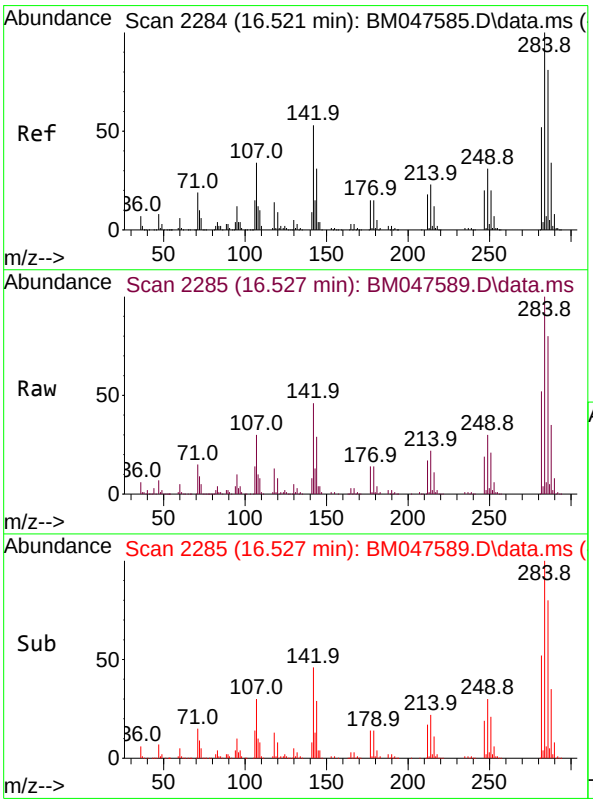
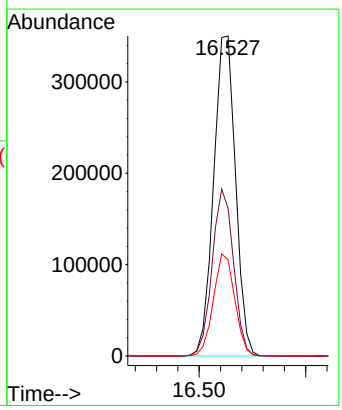


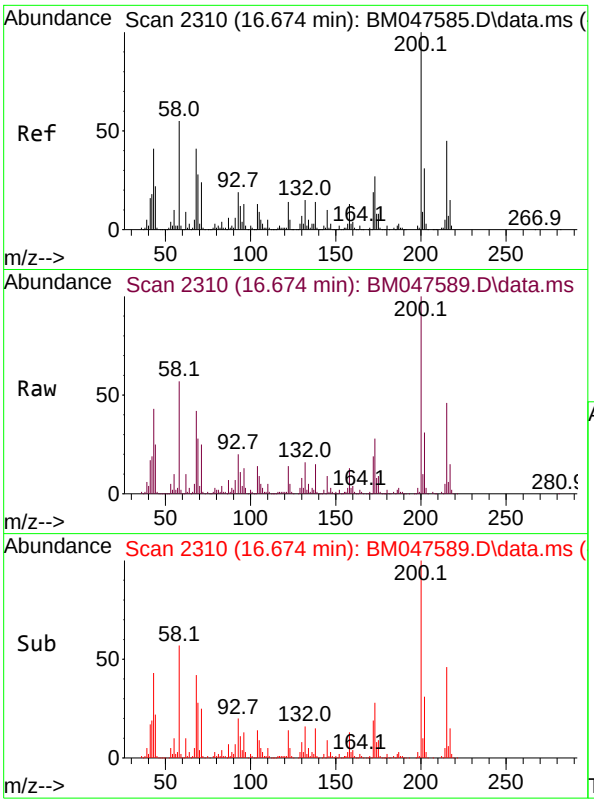


#68
Hexachlorobenzene
Concen: 39.175 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:284 Resp: 499120

Ion	Ratio	Lower	Upper
284	100		
142	46.1	42.5	63.7
249	30.0	25.0	37.6

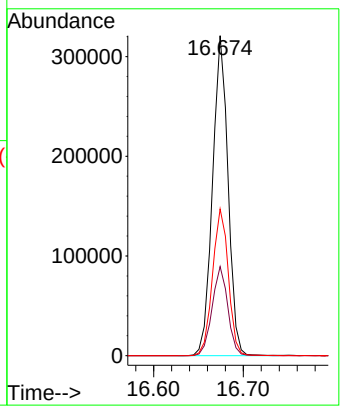




#69
Atrazine
Concen: 44.608 ng
RT: 16.674 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:200 Resp: 38481

Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.4	47.4
215	45.9	24.5	64.5



Instrument :
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ClientSampleId :
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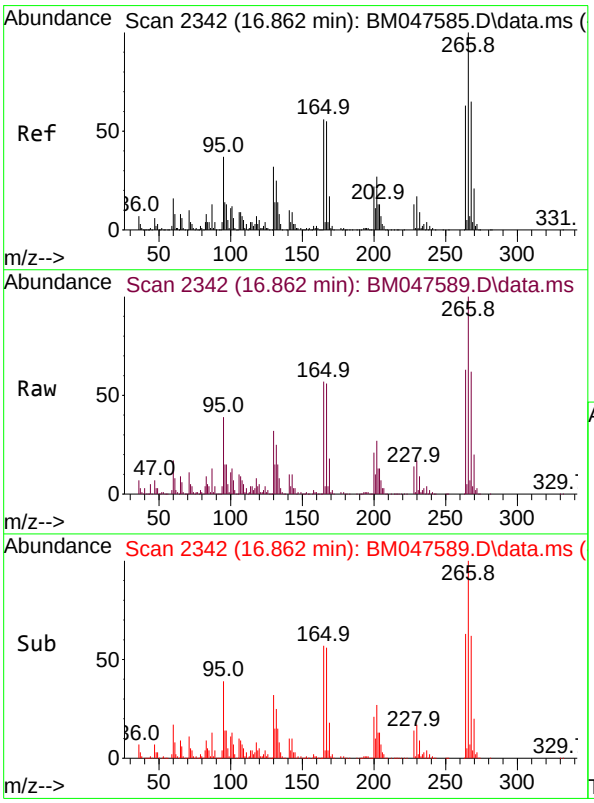
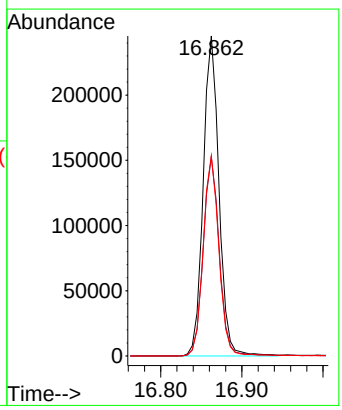
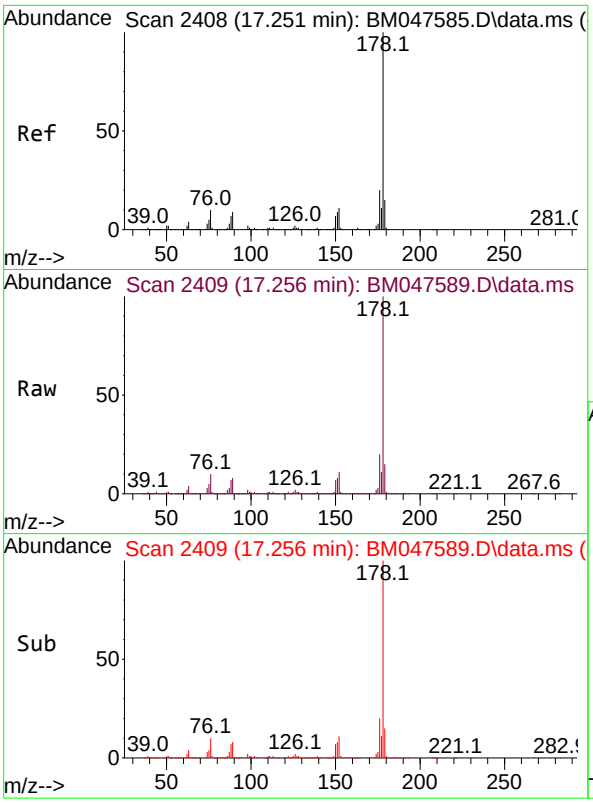


#70
Pentachlorophenol
Concen: 41.309 ng
RT: 16.862 min Scan# 2342
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:266 Resp: 330341

Ion	Ratio	Lower	Upper
266	100		
268	62.2	52.2	78.4
264	62.5	50.0	75.0

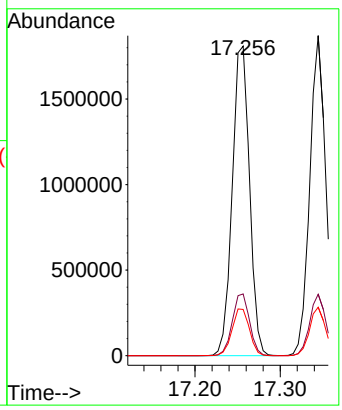




#71
Phenanthrene
Concen: 39.132 ng
RT: 17.256 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:178 Resp: 254841

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.0	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
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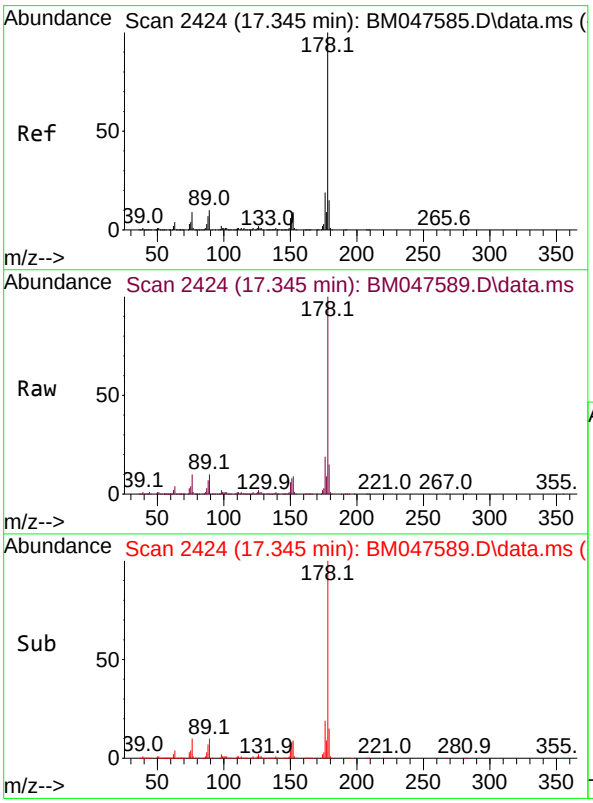
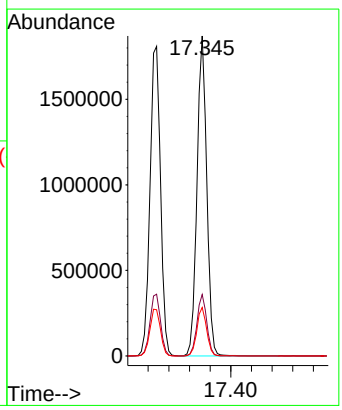
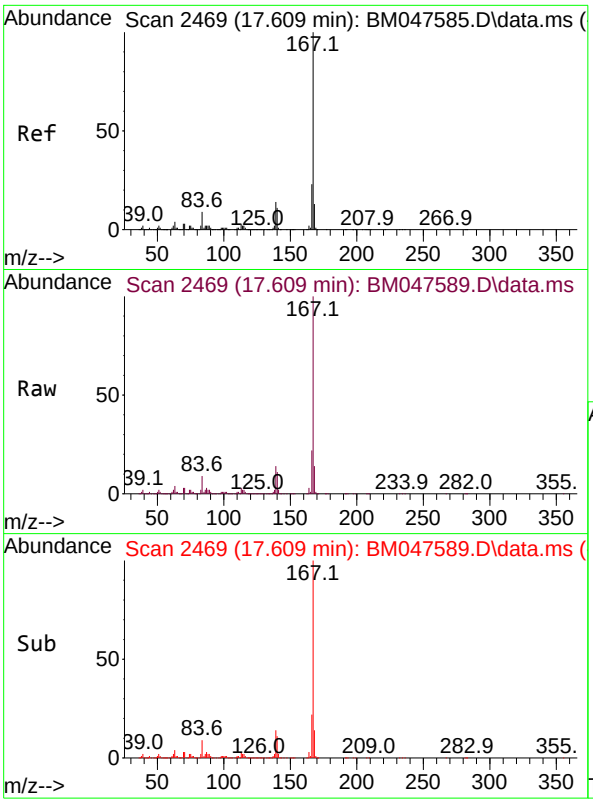


#72
Anthracene
Concen: 39.655 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:178 Resp: 2446788

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.2	18.2

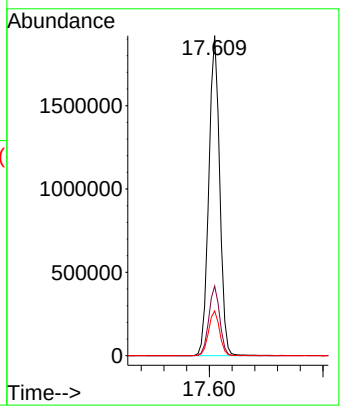




#73
Carbazole
Concen: 39.479 ng
RT: 17.609 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:167 Resp: 253827

Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.0	27.0
139	14.0	11.3	16.9



Instrument :
BNA_M
ClientSampleId :
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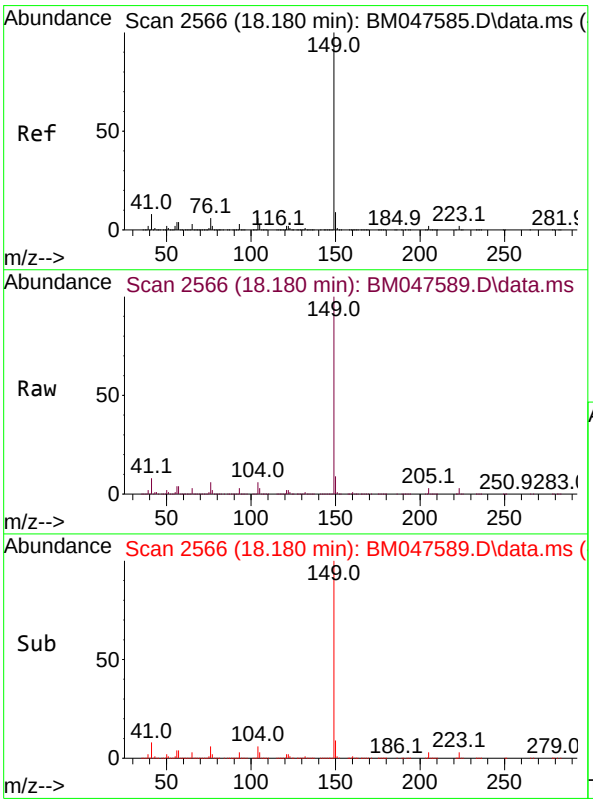
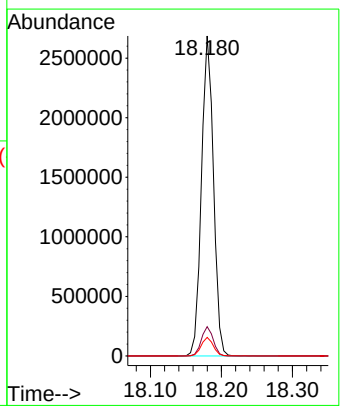
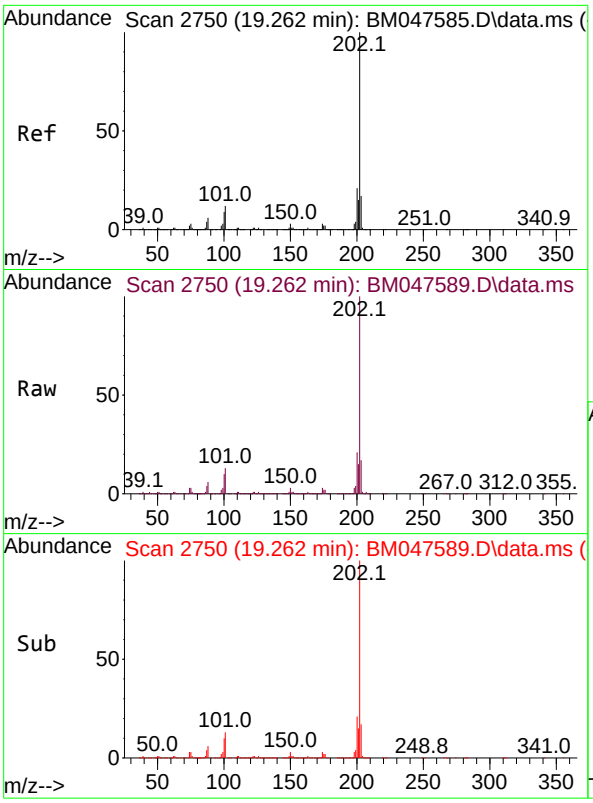


#74
Di-n-butylphthalate
Concen: 40.630 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:149 Resp: 3159565

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.8	4.7	7.1

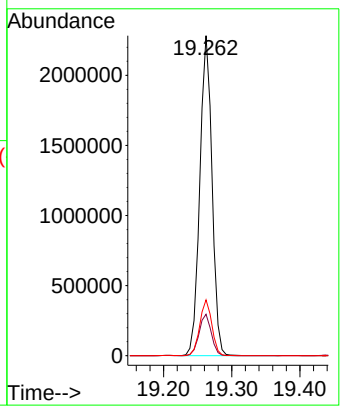




#75
Fluoranthene
Concen: 39.576 ng
RT: 19.262 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:202 Resp: 283713

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.2
203	17.4	0.0	37.4



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations
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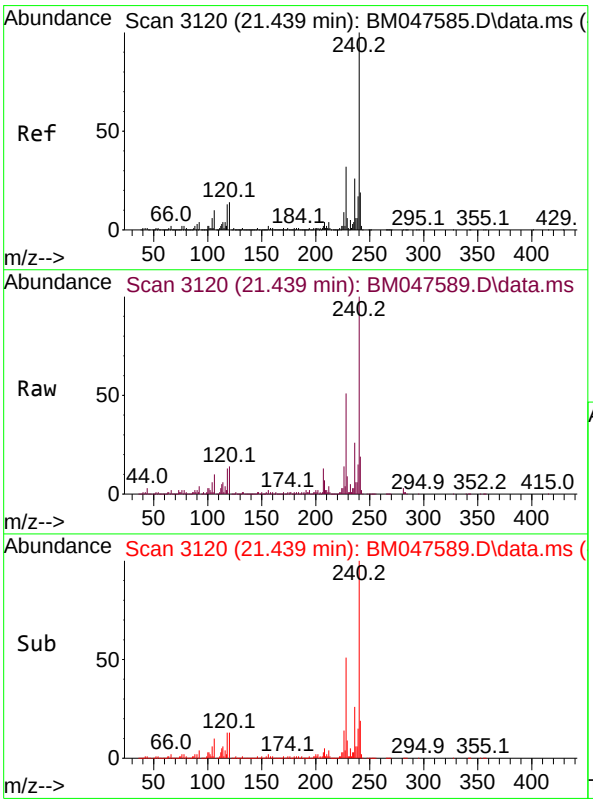
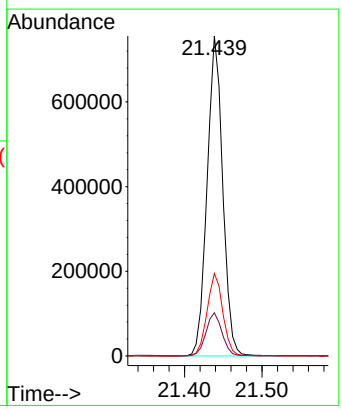
Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

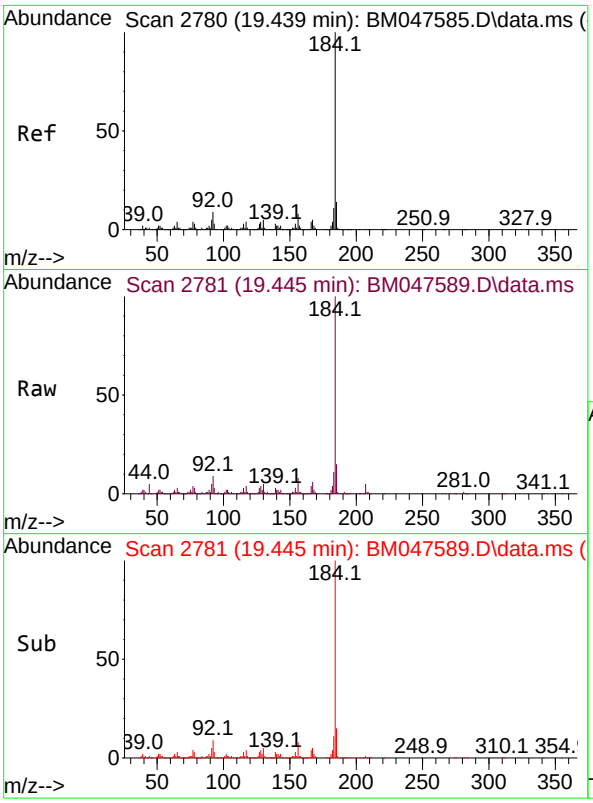


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:240 Resp: 1056172

Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.8	16.2
236	25.8	20.8	31.2

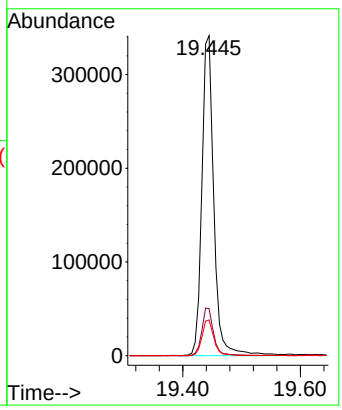




#77
Benzidine
Concen: 33.430 ng
RT: 19.445 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:184 Resp: 48084

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.2	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

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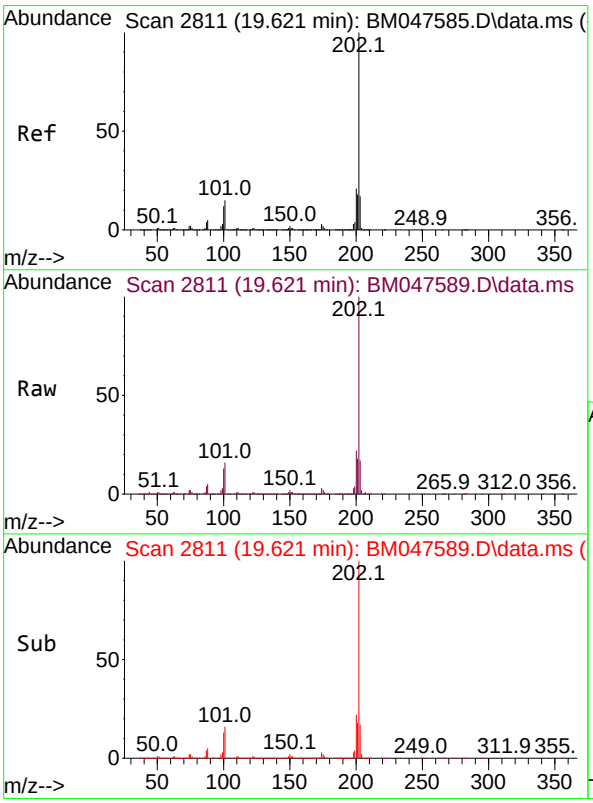
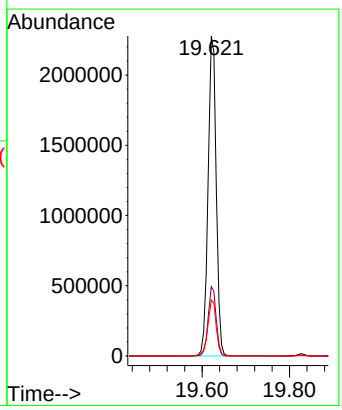
Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

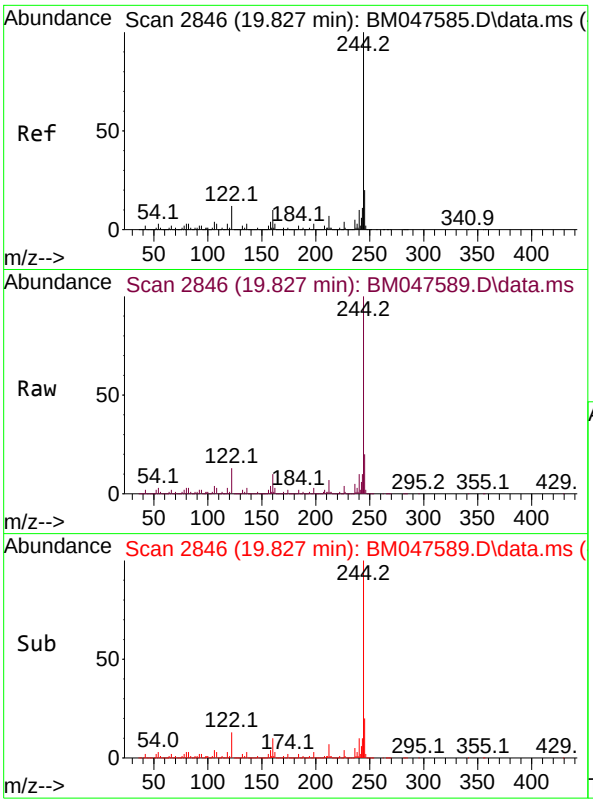


#78
Pyrene
Concen: 39.927 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:202 Resp: 2951542

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.5	13.8	20.8

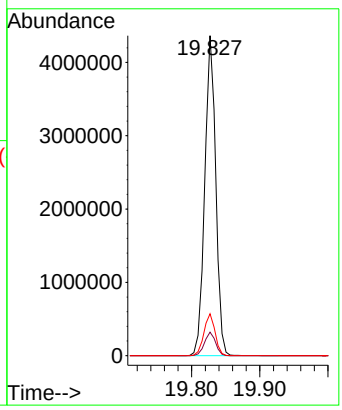




#79
Terphenyl-d14
Concen: 83.057 ng
RT: 19.827 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:244 Resp: 488901

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.1	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

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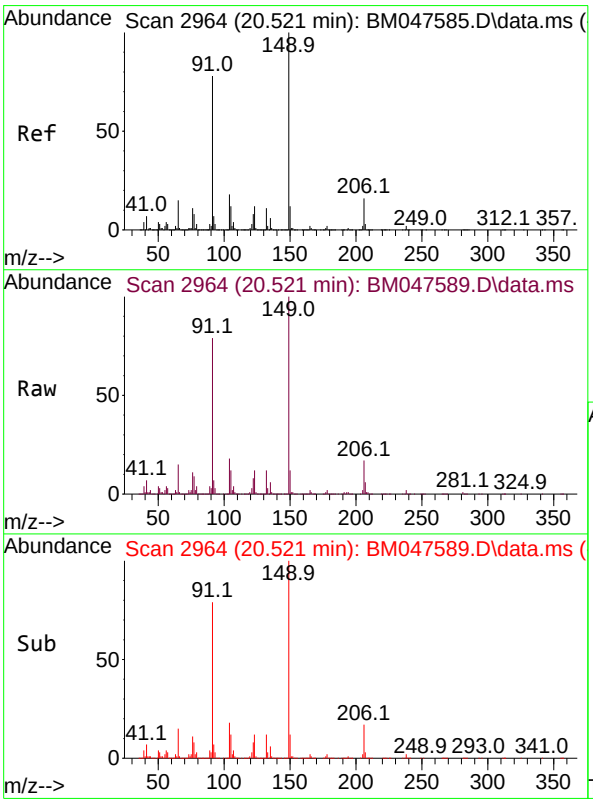
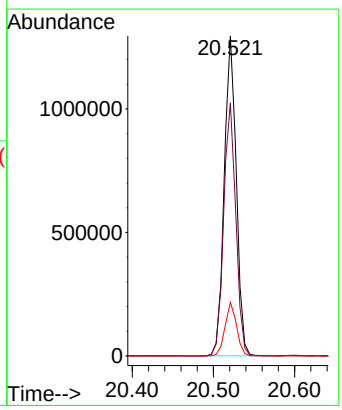
Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

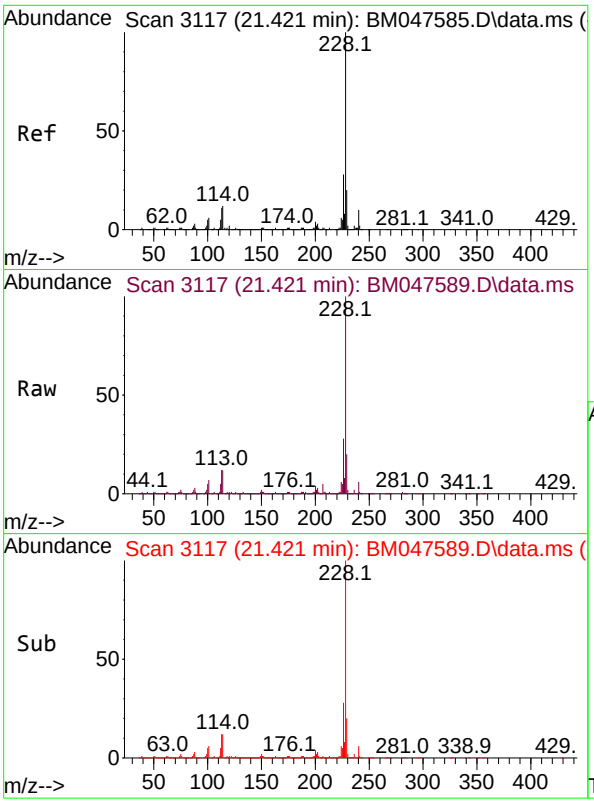


#80
Butylbenzylphthalate
Concen: 41.569 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:149 Resp: 1337765

Ion	Ratio	Lower	Upper
149	100		
91	79.1	62.3	93.5
206	16.8	13.0	19.6

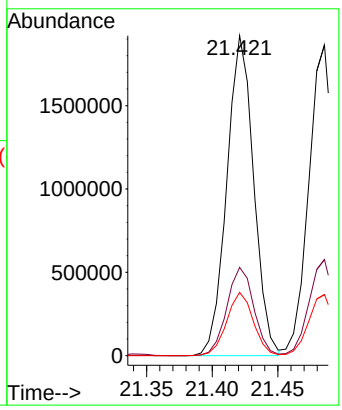




#81
Benzo(a)anthracene
Concen: 39.442 ng
RT: 21.421 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:228 Resp: 273915

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.4	33.6
229	19.8	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations
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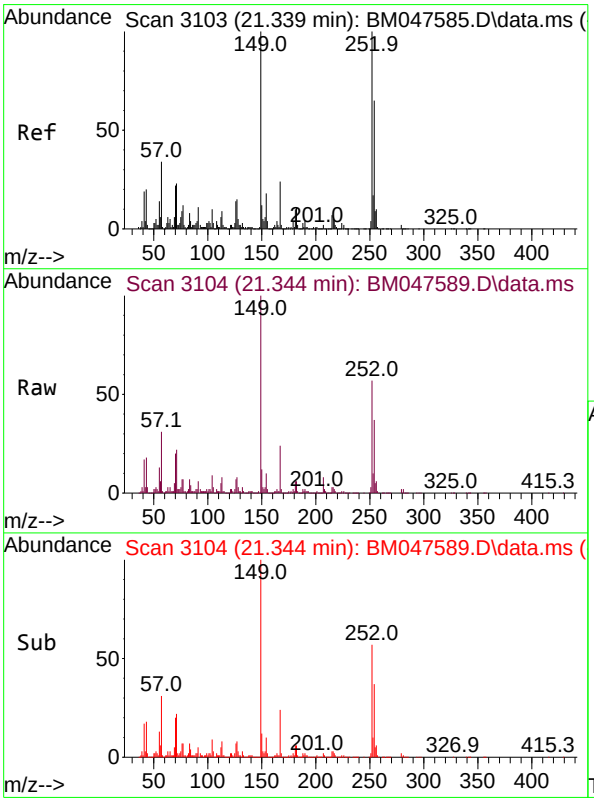
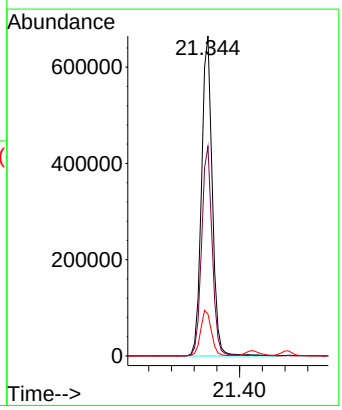
Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

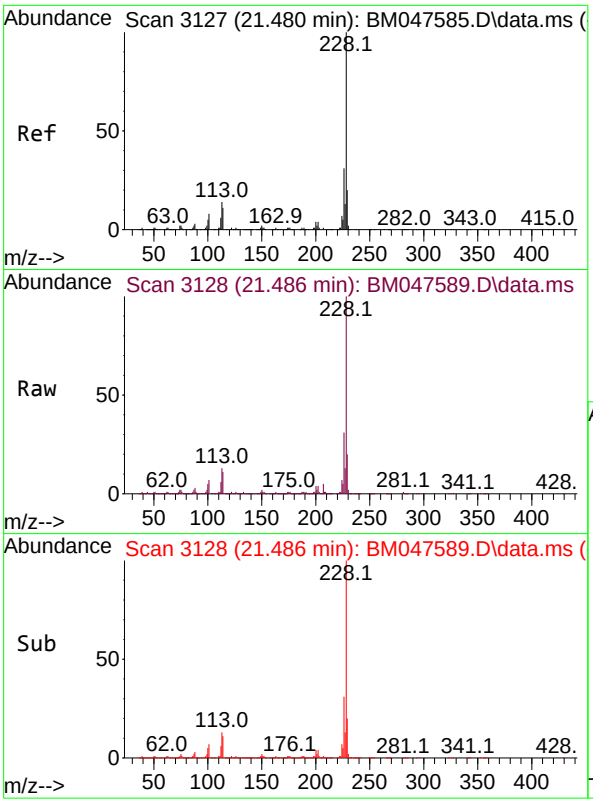


#82
3,3'-Dichlorobenzidine
Concen: 40.277 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:252 Resp: 868652

Ion	Ratio	Lower	Upper
252	100		
254	65.4	52.3	78.5
126	13.1	11.4	17.0

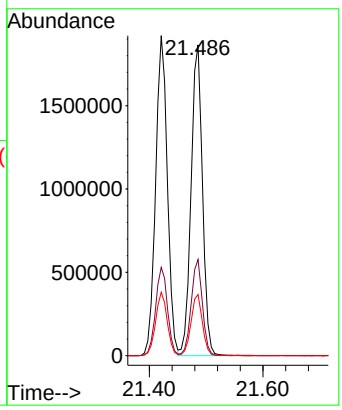




#83
Chrysene
Concen: 39.543 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:228 Resp: 261154

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	19.7	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

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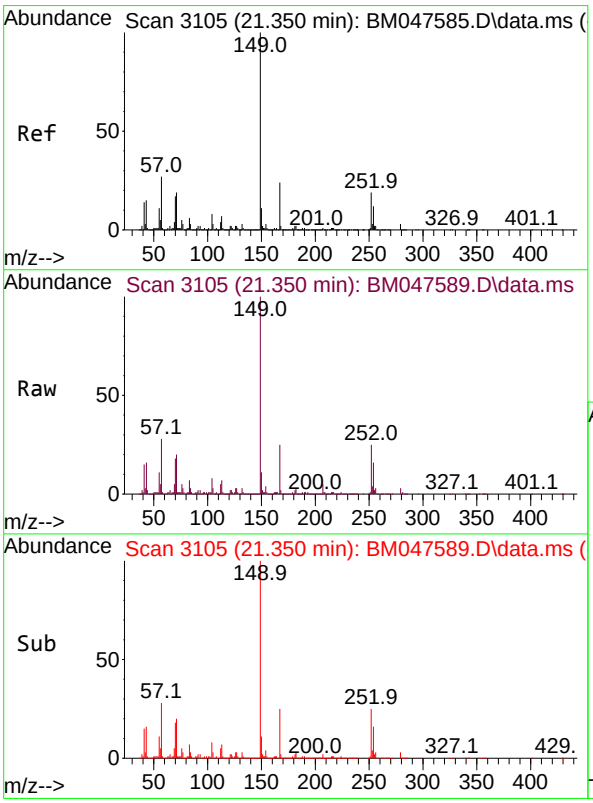
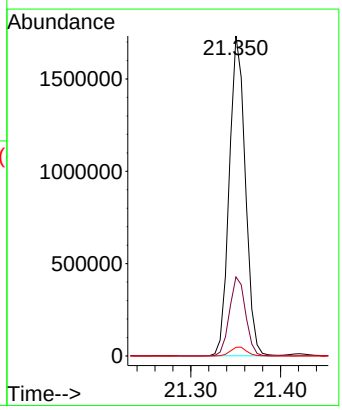
Supervised By :mohammad ahmed 09/24/2024

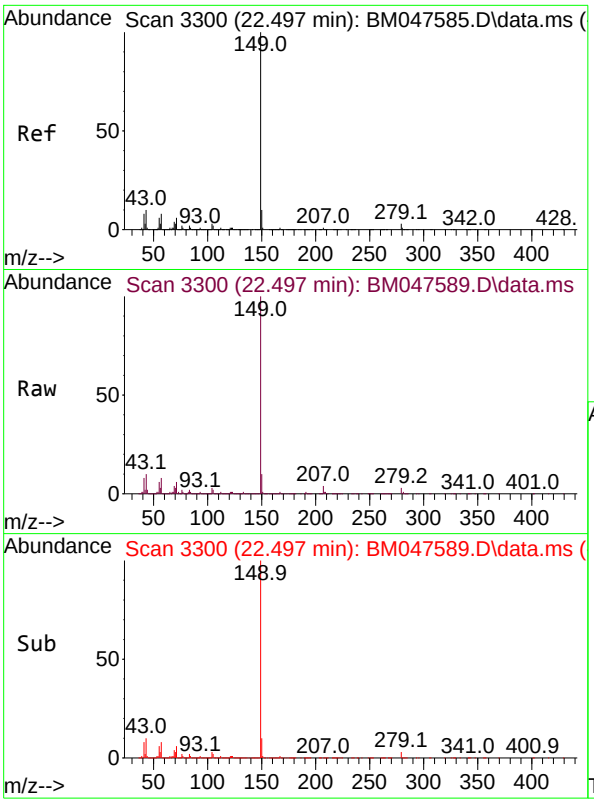


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.761 ng
RT: 21.350 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:149 Resp: 2149574

Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.5	29.3
279	2.7	2.3	3.5

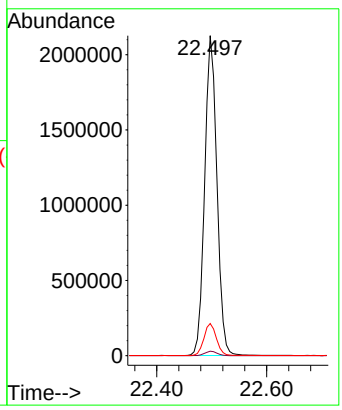




#85
Di-n-octyl phthalate
Concen: 41.286 ng
RT: 22.497 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:149 Resp: 327935

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.2	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

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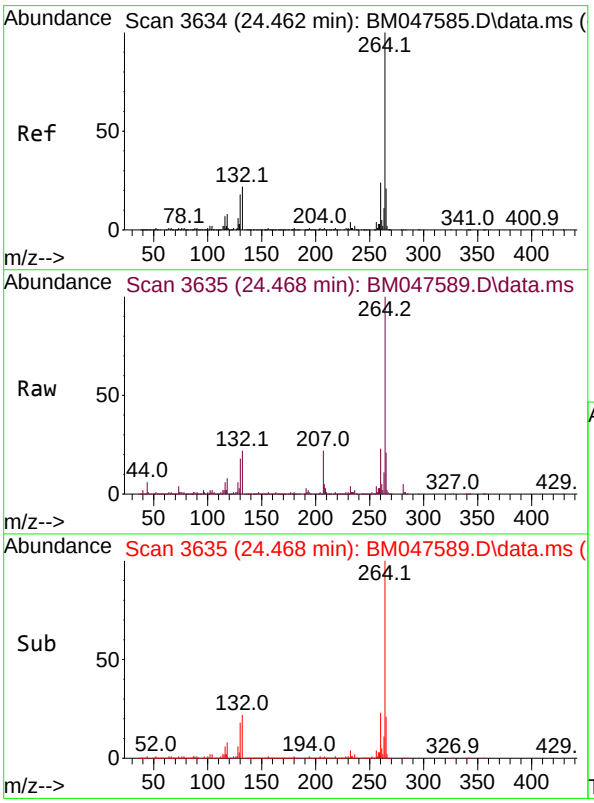
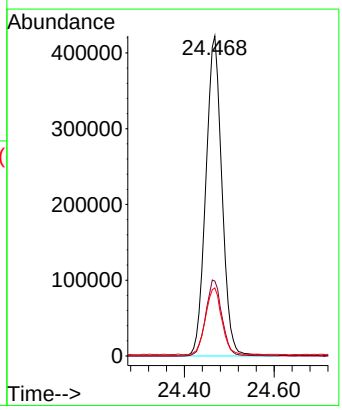
Reviewed By :Jagrut Upadhyay 09/23/2024
Supervised By :mohammad ahmed 09/24/2024

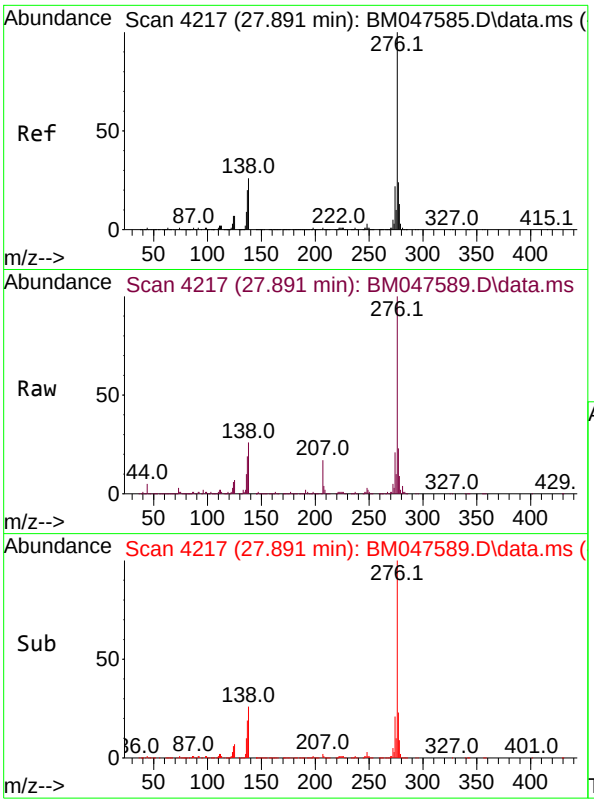


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:264 Resp: 1050120

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.3	17.0	25.6

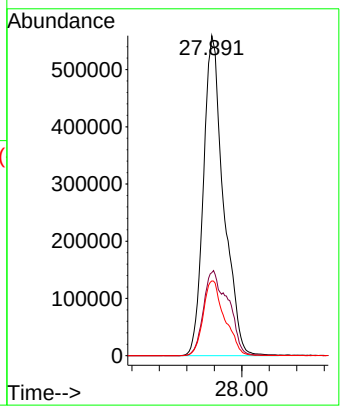




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.417 ng
RT: 27.891 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:276 Resp: 284634

Ion	Ratio	Lower	Upper
276	100		
138	32.6	18.1	27.1
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

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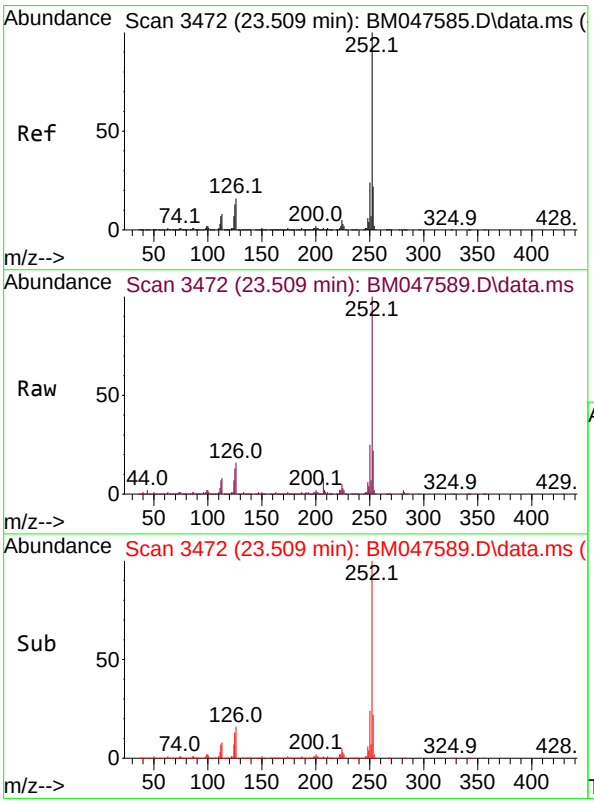
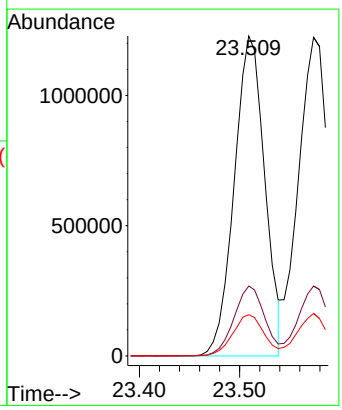
Supervised By :mohammad ahmed 09/24/2024

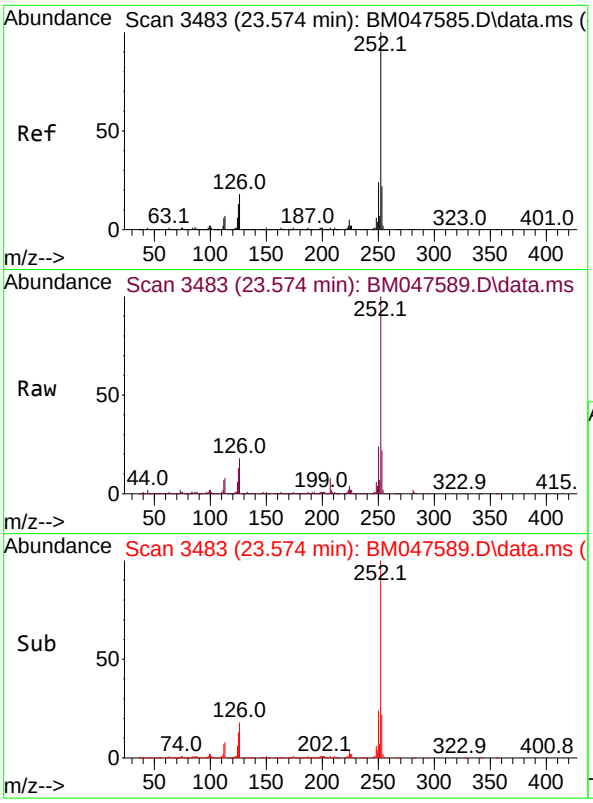


#88
Benzo(b)fluoranthene
Concen: 39.299 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:252 Resp: 2593736

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	12.9	10.2	15.2

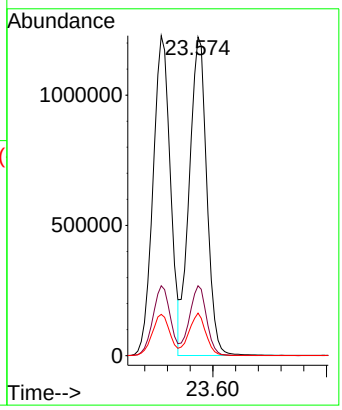




#89
Benzo(k)fluoranthene
Concen: 40.385 ng
RT: 23.574 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:252 Resp: 261653

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	13.3	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

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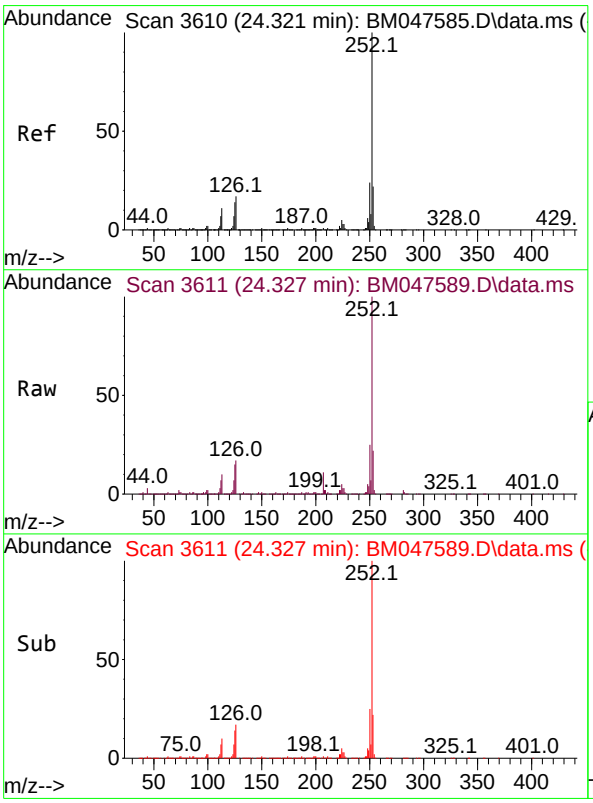
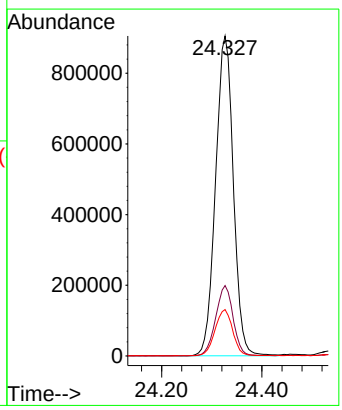
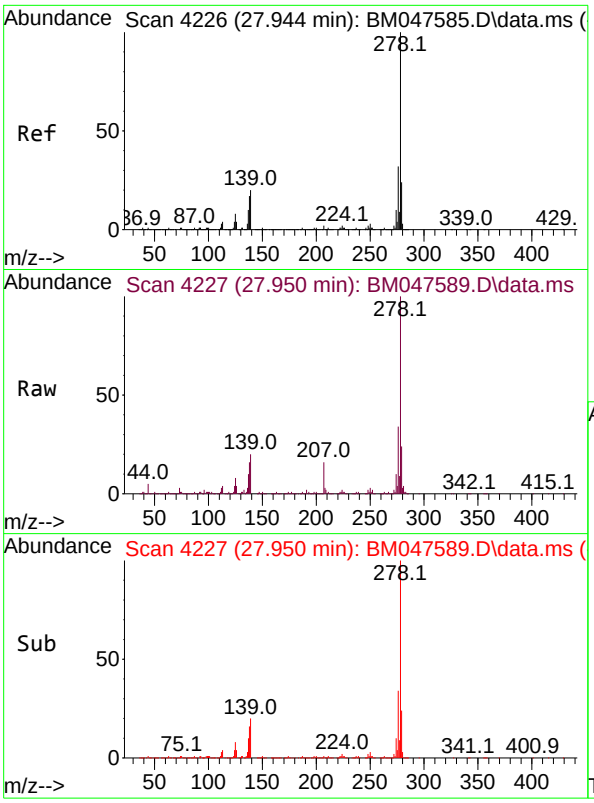


#90
Benzo(a)pyrene
Concen: 39.786 ng
RT: 24.327 min Scan# 3611
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:252 Resp: 2226359

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	14.5	11.5	17.3

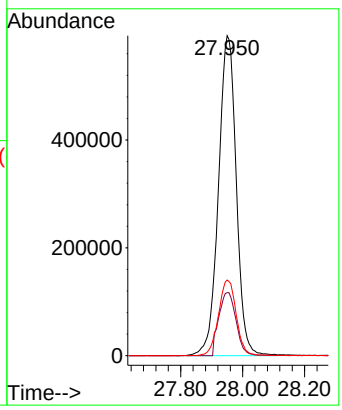




#91
Dibenzo(a,h)anthracene
Concen: 39.342 ng
RT: 27.950 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:278 Resp: 237299

Ion	Ratio	Lower	Upper
278	100		
139	19.7	16.4	24.6
279	23.6	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Manual Integrations
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Reviewed By :Jagrut Upadhyay 09/23/2024
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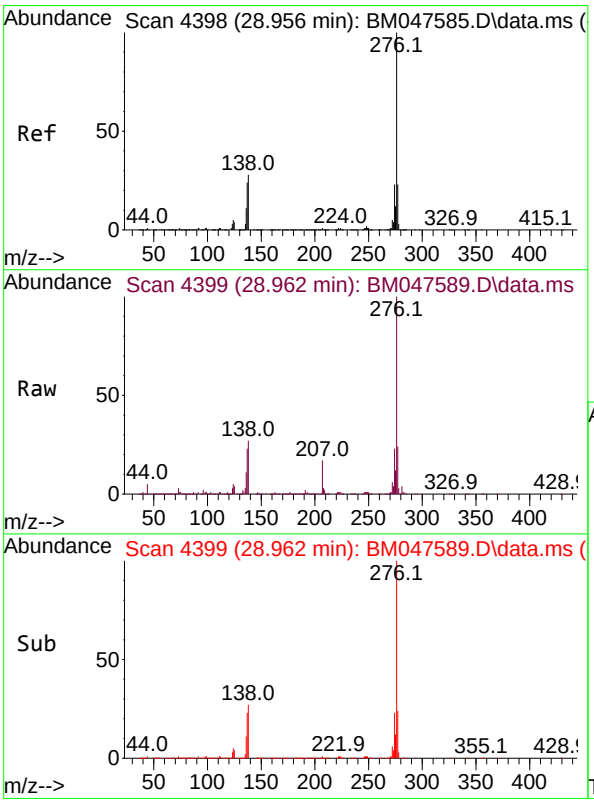
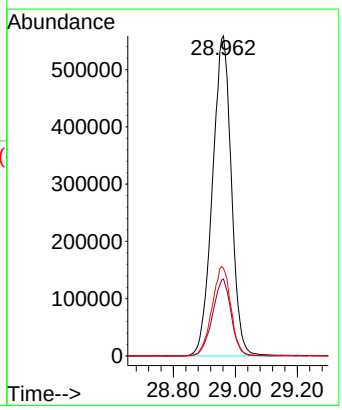


#92
Benzo(g,h,i)perylene
Concen: 39.151 ng
RT: 28.962 min Scan# 4399
Delta R.T. 0.006 min
Lab File: BM047589.D
Acq: 20 Sep 2024 15:01

Tgt Ion:276 Resp: 2366706

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.3	27.5
138	27.4	22.3	33.5



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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	120	0.00
2		1,4-Dioxane	0.568	0.534	6.0	116	0.00
3		Pyridine	1.575	1.502	4.6	116	0.00
4		n-Nitrosodimethylamine	0.653	0.645	1.2	121	0.00
5	S	2-Fluorophenol	1.305	1.271	2.6	119	0.00
6		Aniline	1.473	1.445	1.9	117	0.00
7	S	Phenol-d6	1.720	1.692	1.6	119	0.00
8		2-Chlorophenol	1.366	1.339	2.0	121	0.00
9		Benzaldehyde	0.878	0.897	-2.2	130	0.00
10	C	Phenol	1.707	1.672	2.1	118	0.00
11		bis(2-Chloroethyl)ether	1.372	1.350	1.6	122	0.00
12		1,3-Dichlorobenzene	1.511	1.457	3.6	120	0.00
13	C	1,4-Dichlorobenzene	1.529	1.475	3.5	119	0.00
14		1,2-Dichlorobenzene	1.474	1.433	2.8	120	0.00
15		Benzyl Alcohol	1.110	1.107	0.3	121	0.00
16		2,2'-oxybis(1-Chloropropane	1.749	1.713	2.1	121	0.00
17		2-Methylphenol	1.073	1.057	1.5	118	0.00
18		Hexachloroethane	0.620	0.603	2.7	120	0.00
19	P	n-Nitroso-di-n-propylamine	1.053	1.067	-1.3	121	0.00
20		3+4-Methylphenols	1.462	1.435	1.8	118	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	121	0.00
22		Acetophenone	0.521	0.503	3.5	119	0.00
23	S	Nitrobenzene-d5	0.402	0.400	0.5	120	0.00
24		Nitrobenzene	0.415	0.405	2.4	119	0.00
25		Isophorone	0.671	0.662	1.3	120	0.00
26	C	2-Nitrophenol	0.146	0.150	-2.7	124	0.00
27		2,4-Dimethylphenol	0.208	0.206	1.0	121	0.00
28		bis(2-Chloroethoxy)methane	0.432	0.424	1.9	121	0.00
29	C	2,4-Dichlorophenol	0.263	0.262	0.4	121	0.00
30		1,2,4-Trichlorobenzene	0.300	0.292	2.7	122	0.00
31		Naphthalene	1.058	1.025	3.1	120	0.00
32		Benzoic acid	0.194	0.199	-2.6	118	0.00
33		4-Chloroaniline	0.373	0.364	2.4	117	0.00
34	C	Hexachlorobutadiene	0.163	0.159	2.5	122	0.00
35		Caprolactam	0.091	0.089	2.2	113	0.00
36	C	4-Chloro-3-methylphenol	0.300	0.293	2.3	117	0.00
37		2-Methylnaphthalene	0.665	0.647	2.7	121	0.00
38		1-Methylnaphthalene	0.659	0.639	3.0	119	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	117	0.00
40		1,2,4,5-Tetrachlorobenzene	0.528	0.522	1.1	122	0.00
41	P	Hexachlorocyclopentadiene	0.174	0.175	-0.6	122	0.00
42	S	2,4,6-Tribromophenol	0.185	0.182	1.6	114	0.00
43	C	2,4,6-Trichlorophenol	0.343	0.346	-0.9	119	0.00
44		2,4,5-Trichlorophenol	0.386	0.391	-1.3	120	0.00
45	S	2-Fluorobiphenyl	1.413	1.418	-0.4	122	0.00
46		1,1'-Biphenyl	1.545	1.529	1.0	119	0.00
47		2-Chloronaphthalene	1.209	1.182	2.2	119	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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	0.361	0.374	-3.6	116	0.00
49		Acenaphthylene	1.739	1.710	1.7	117	0.00
50		Dimethylphthalate	1.381	1.337	3.2	114	0.00
51		2,6-Dinitrotoluene	0.289	0.296	-2.4	117	0.00
52	C	Acenaphthene	1.149	1.128	1.8	119	0.00
53		3-Nitroaniline	0.332	0.334	-0.6	112	0.00
54	P	2,4-Dinitrophenol	0.131	0.129	1.5	115	0.00
55		Dibenzofuran	1.679	1.618	3.6	115	0.00
56	P	4-Nitrophenol	0.284	0.290	-2.1	111	0.00
57		2,4-Dinitrotoluene	0.386	0.393	-1.8	113	0.00
58		Fluorene	1.486	1.453	2.2	114	0.00
59		2,3,4,6-Tetrachlorophenol	0.295	0.290	1.7	115	0.00
60		Diethylphthalate	1.472	1.449	1.6	115	0.00
61		4-Chlorophenyl-phenylether	0.649	0.642	1.1	117	0.00
62		4-Nitroaniline	0.374	0.384	-2.7	111	0.00
63		Azobenzene	1.609	1.597	0.7	115	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	0.095	0.096	-1.1	113	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.593	0.7	113	0.00
67		4-Bromophenyl-phenylether	0.182	0.183	-0.5	117	0.00
68		Hexachlorobenzene	0.212	0.208	1.9	114	0.00
69		Atrazine	0.144	0.160	-11.1	110	0.00
70	C	Pentachlorophenol	0.133	0.138	-3.8	112	0.00
71		Phenanthrene	1.086	1.062	2.2	111	0.00
72		Anthracene	1.029	1.020	0.9	112	0.00
73		Carbazole	1.072	1.058	1.3	110	0.00
74		Di-n-butylphthalate	1.296	1.317	-1.6	113	0.00
75	C	Fluoranthene	1.195	1.182	1.1	111	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	105	0.00
77		Benzidine	0.272	0.228	16.2	63	0.00
78		Pyrene	1.400	1.397	0.2	107	0.00
79	S	Terphenyl-d14	1.115	1.157	-3.8	108	0.00
80		Butylbenzylphthalate	0.609	0.633	-3.9	109	0.00
81		Benzo(a)anthracene	1.315	1.297	1.4	106	0.00
82		3,3'-Dichlorobenzidine	0.408	0.411	-0.7	103	0.00
83		Chrysene	1.251	1.236	1.2	106	0.00
84		Bis(2-ethylhexyl)phthalate	0.975	1.018	-4.4	110	0.00
85	c	Di-n-octyl phthalate	1.504	1.552	-3.2	109	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.375	1.355	1.5	103	0.00
88		Benzo(b)fluoranthene	1.257	1.235	1.8	103	0.00
89		Benzo(k)fluoranthene	1.234	1.246	-1.0	106	0.00
90	C	Benzo(a)pyrene	1.066	1.060	0.6	104	0.00
91		Dibenzo(a,h)anthracene	1.149	1.130	1.7	103	0.00
92		Benzo(g,h,i)perylene	1.151	1.127	2.1	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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	120	0.00
2		1,4-Dioxane	0.568	0.534	6.0	116	0.00
3		Pyridine	1.575	1.502	4.6	116	0.00
4		n-Nitrosodimethylamine	0.653	0.645	1.2	121	0.00
5	S	2-Fluorophenol	1.305	1.271	2.6	119	0.00
6		Aniline	1.473	1.445	1.9	117	0.00
7	S	Phenol-d6	1.720	1.692	1.6	119	0.00
8		2-Chlorophenol	1.366	1.339	2.0	121	0.00
9		Benzaldehyde	0.878	0.897	-2.2	130	0.00
10	C	Phenol	1.707	1.672	2.1	118	0.00
11		bis(2-Chloroethyl)ether	1.372	1.350	1.6	122	0.00
12		1,3-Dichlorobenzene	1.511	1.457	3.6	120	0.00
13	C	1,4-Dichlorobenzene	1.529	1.475	3.5	119	0.00
14		1,2-Dichlorobenzene	1.474	1.433	2.8	120	0.00
15		Benzyl Alcohol	1.110	1.107	0.3	121	0.00
16		2,2'-oxybis(1-Chloropropane	1.749	1.713	2.1	121	0.00
17		2-Methylphenol	1.073	1.057	1.5	118	0.00
18		Hexachloroethane	0.620	0.603	2.7	120	0.00
19	P	n-Nitroso-di-n-propylamine	1.053	1.067	-1.3	121	0.00
20		3+4-Methylphenols	1.462	1.435	1.8	118	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	121	0.00
22		Acetophenone	0.521	0.503	3.5	119	0.00
23	S	Nitrobenzene-d5	0.402	0.400	0.5	120	0.00
24		Nitrobenzene	0.415	0.405	2.4	119	0.00
25		Isophorone	0.671	0.662	1.3	120	0.00
26	C	2-Nitrophenol	0.146	0.150	-2.7	124	0.00
27		2,4-Dimethylphenol	0.208	0.206	1.0	121	0.00
28		bis(2-Chloroethoxy)methane	0.432	0.424	1.9	121	0.00
29	C	2,4-Dichlorophenol	0.263	0.262	0.4	121	0.00
30		1,2,4-Trichlorobenzene	0.300	0.292	2.7	122	0.00
31		Naphthalene	1.058	1.025	3.1	120	0.00
32		Benzoic acid	0.194	0.199	-2.6	118	0.00
33		4-Chloroaniline	0.373	0.364	2.4	117	0.00
34	C	Hexachlorobutadiene	0.163	0.159	2.5	122	0.00
35		Caprolactam	0.091	0.089	2.2	113	0.00
36	C	4-Chloro-3-methylphenol	0.300	0.293	2.3	117	0.00
37		2-Methylnaphthalene	0.665	0.647	2.7	121	0.00
38		1-Methylnaphthalene	0.659	0.639	3.0	119	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	117	0.00
40		1,2,4,5-Tetrachlorobenzene	0.528	0.522	1.1	122	0.00
41	P	Hexachlorocyclopentadiene	0.174	0.175	-0.6	122	0.00
42	S	2,4,6-Tribromophenol	0.185	0.182	1.6	114	0.00
43	C	2,4,6-Trichlorophenol	0.343	0.346	-0.9	119	0.00
44		2,4,5-Trichlorophenol	0.386	0.391	-1.3	120	0.00
45	S	2-Fluorobiphenyl	1.413	1.418	-0.4	122	0.00
46		1,1'-Biphenyl	1.545	1.529	1.0	119	0.00
47		2-Chloronaphthalene	1.209	1.182	2.2	119	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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	0.361	0.374	-3.6	116	0.00
49		Acenaphthylene	1.739	1.710	1.7	117	0.00
50		Dimethylphthalate	1.381	1.337	3.2	114	0.00
51		2,6-Dinitrotoluene	0.289	0.296	-2.4	117	0.00
52	C	Acenaphthene	1.149	1.128	1.8	119	0.00
53		3-Nitroaniline	0.332	0.334	-0.6	112	0.00
54	P	2,4-Dinitrophenol	0.131	0.129	1.5	115	0.00
55		Dibenzofuran	1.679	1.618	3.6	115	0.00
56	P	4-Nitrophenol	0.284	0.290	-2.1	111	0.00
57		2,4-Dinitrotoluene	0.386	0.393	-1.8	113	0.00
58		Fluorene	1.486	1.453	2.2	114	0.00
59		2,3,4,6-Tetrachlorophenol	0.295	0.290	1.7	115	0.00
60		Diethylphthalate	1.472	1.449	1.6	115	0.00
61		4-Chlorophenyl-phenylether	0.649	0.642	1.1	117	0.00
62		4-Nitroaniline	0.374	0.384	-2.7	111	0.00
63		Azobenzene	1.609	1.597	0.7	115	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	0.095	0.096	-1.1	113	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.593	0.7	113	0.00
67		4-Bromophenyl-phenylether	0.182	0.183	-0.5	117	0.00
68		Hexachlorobenzene	0.212	0.208	1.9	114	0.00
69		Atrazine	0.144	0.160	-11.1	110	0.00
70	C	Pentachlorophenol	0.133	0.138	-3.8	112	0.00
71		Phenanthrene	1.086	1.062	2.2	111	0.00
72		Anthracene	1.029	1.020	0.9	112	0.00
73		Carbazole	1.072	1.058	1.3	110	0.00
74		Di-n-butylphthalate	1.296	1.317	-1.6	113	0.00
75	C	Fluoranthene	1.195	1.182	1.1	111	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	105	0.00
77		Benzidine	0.272	0.228	16.2	63	0.00
78		Pyrene	1.400	1.397	0.2	107	0.00
79	S	Terphenyl-d14	1.115	1.157	-3.8	108	0.00
80		Butylbenzylphthalate	0.609	0.633	-3.9	109	0.00
81		Benzo(a)anthracene	1.315	1.297	1.4	106	0.00
82		3,3'-Dichlorobenzidine	0.408	0.411	-0.7	103	0.00
83		Chrysene	1.251	1.236	1.2	106	0.00
84		Bis(2-ethylhexyl)phthalate	0.975	1.018	-4.4	110	0.00
85	c	Di-n-octyl phthalate	1.504	1.552	-3.2	109	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.375	1.355	1.5	103	0.00
88		Benzo(b)fluoranthene	1.257	1.235	1.8	103	0.00
89		Benzo(k)fluoranthene	1.234	1.246	-1.0	106	0.00
90	C	Benzo(a)pyrene	1.066	1.060	0.6	104	0.00
91		Dibenzo(a,h)anthracene	1.149	1.130	1.7	103	0.00
92		Benzo(g,h,i)perylene	1.151	1.127	2.1	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047589.D
Acq On : 20 Sep 2024 15:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM092024

Quant Time: Sep 21 02:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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

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
2-Fluorophenol	1.256	1.306		4.0	
Phenol-d6	1.769	1.780		0.6	
Nitrobenzene-d5	0.400	0.407		1.8	
2-Fluorobiphenyl	1.452	1.489		2.5	
2,4,6-Tribromophenol	0.193	0.201		4.1	
Atrazine	0.169	0.142		-16.0	
Terphenyl-d14	1.116	1.244		11.5	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BM047566.D**

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

Sample Results: **BM047566.D**

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

Sample Results: **BM047566.D**

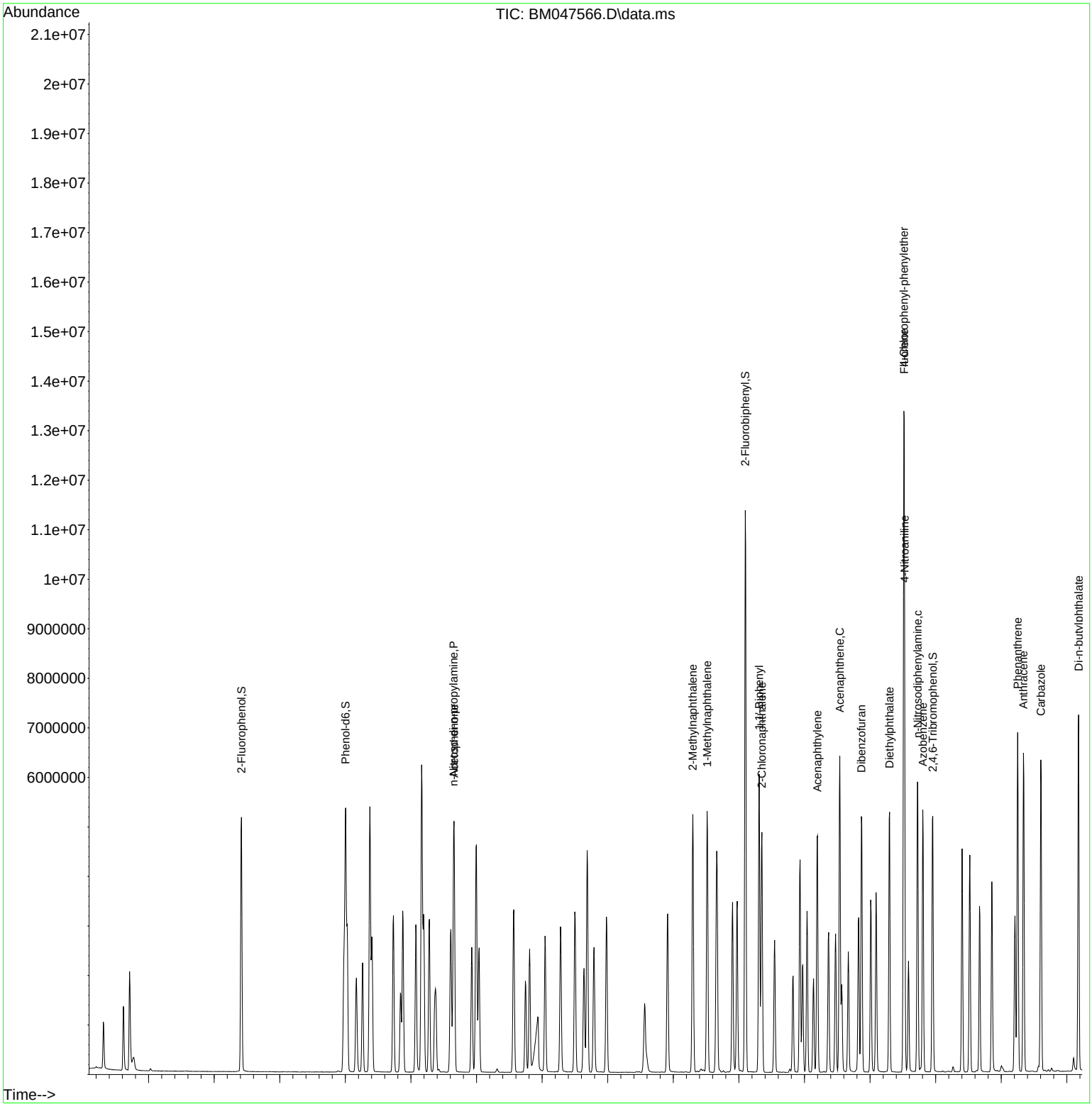
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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



Sample Results: **BM047566.D**

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 :
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Quant Time: Sep 19 13:39:37 2024
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Manual Integrations APPROVED

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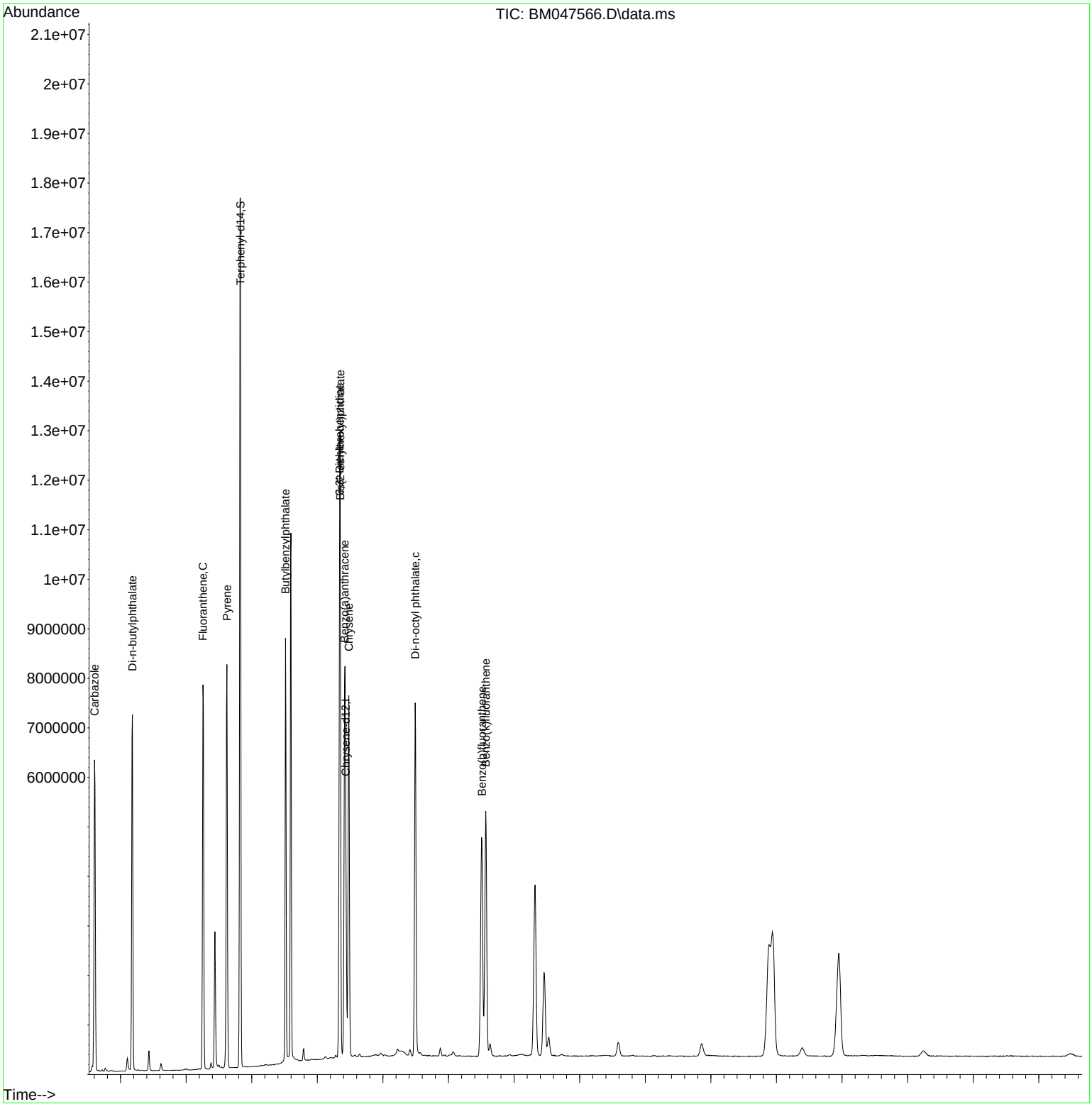
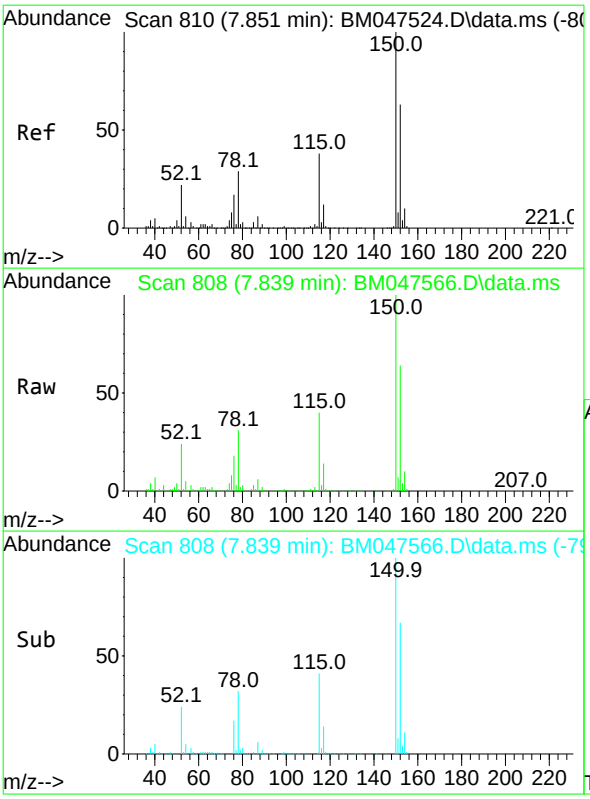
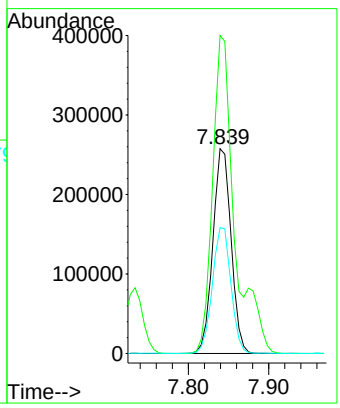




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:152 Resp: 406101

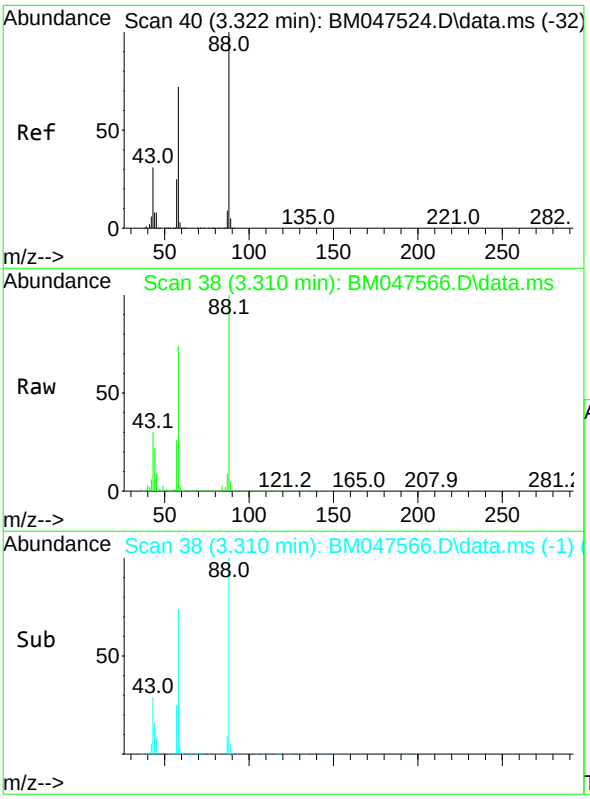
Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.8	190.2
115	61.5	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

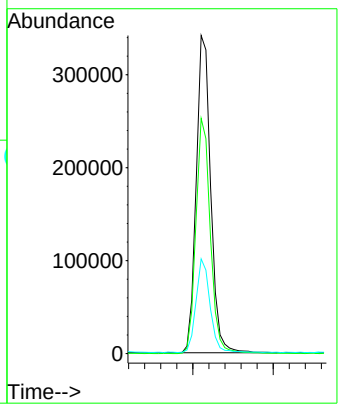
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

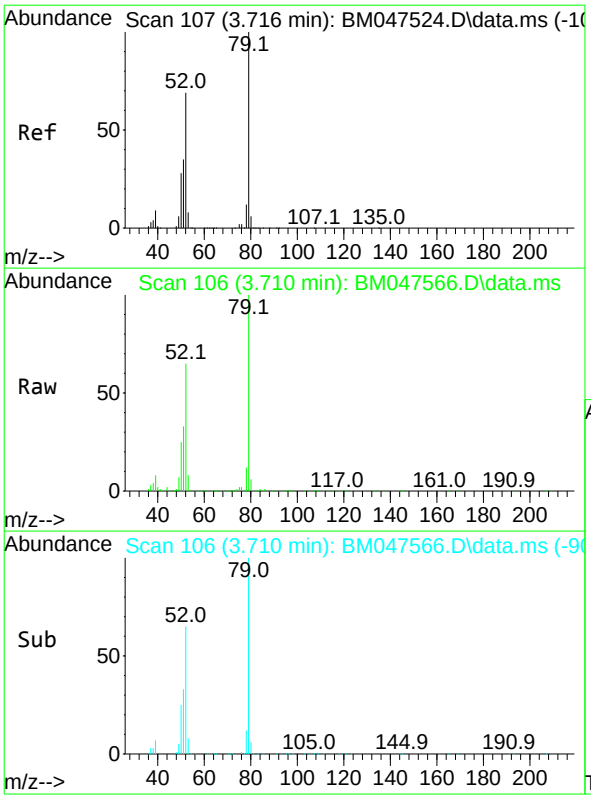


#2
1,4-Dioxane
Concen: 39.098 ng
RT: 3.310 min Scan# 38
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

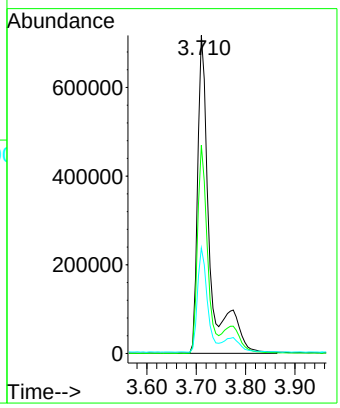




#3
Pyridine
Concen: 38.199 ng m
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Manual Integrations
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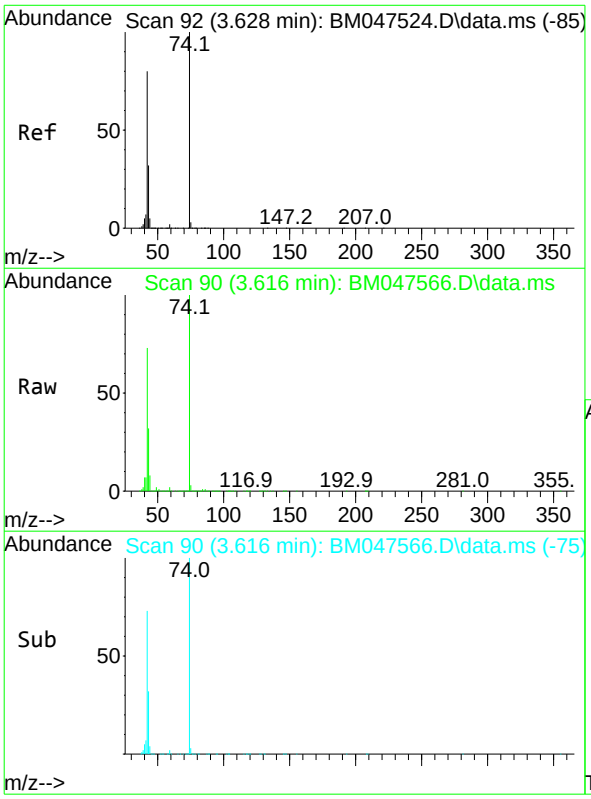
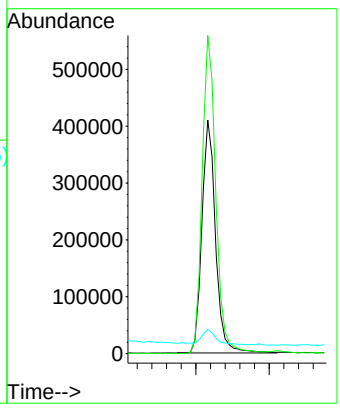
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

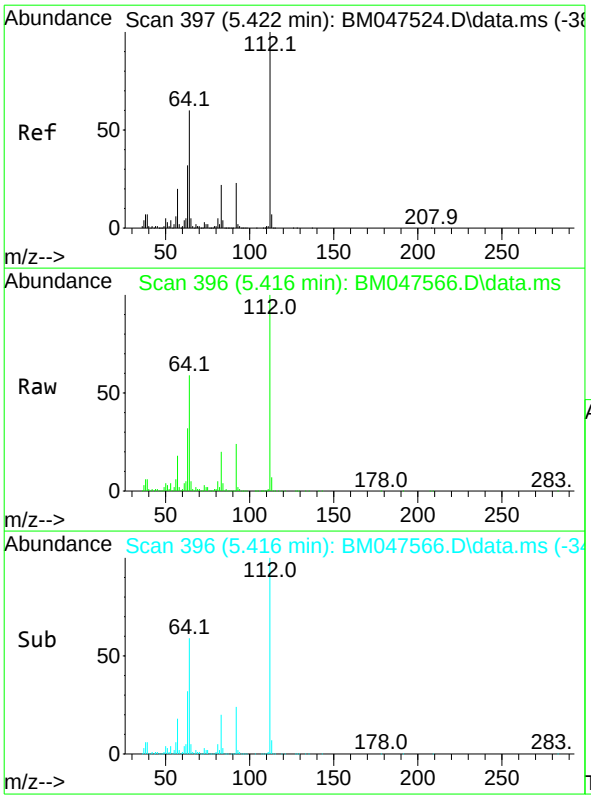


#4
n-Nitrosodimethylamine
Concen: 35.796 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

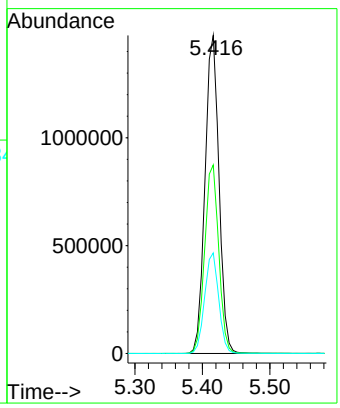
Tgt Ion:112 Resp: 2120899

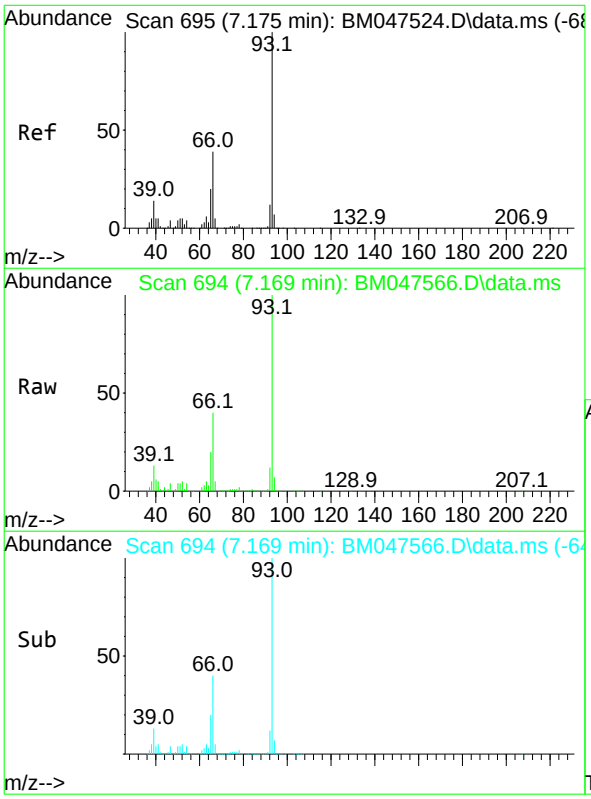
Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.2	72.4
63	31.6	26.0	39.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

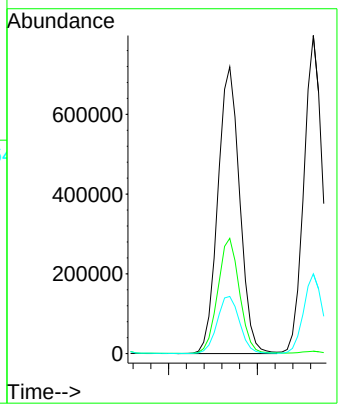


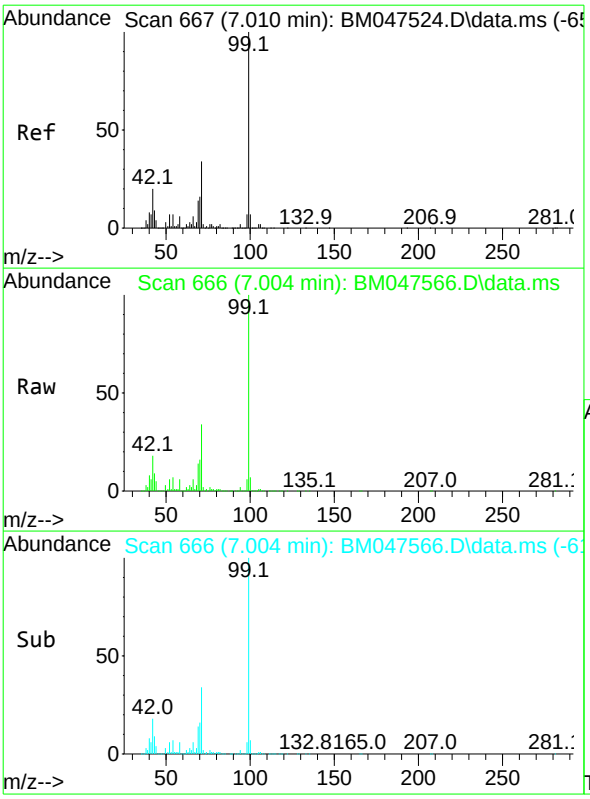


#6
Aniline
Concen: 38.709 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

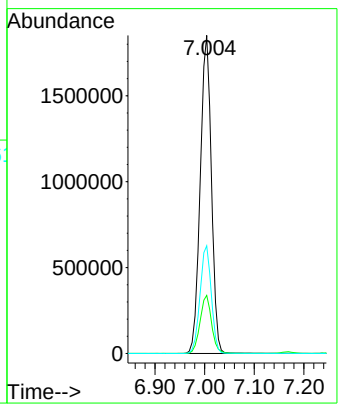




#7
Phenol-d6
Concen: 80.521 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Manual Integrations
APPROVED

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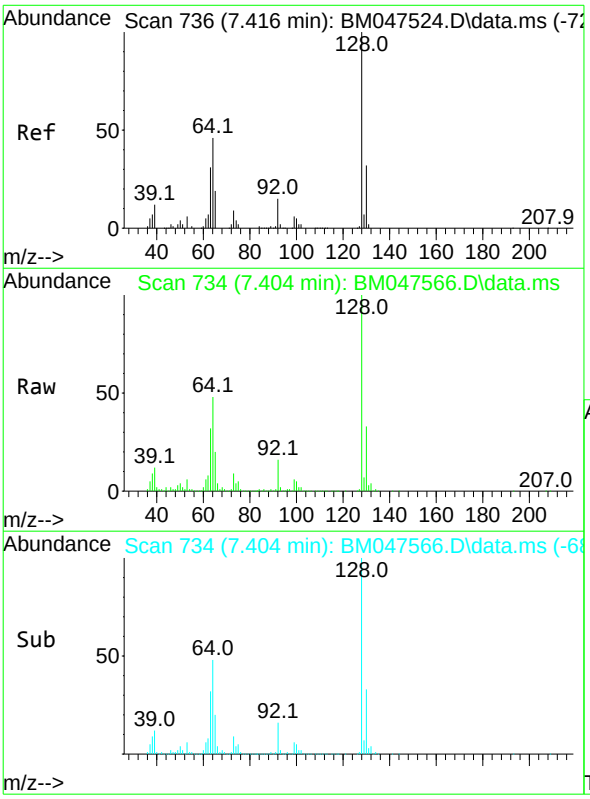
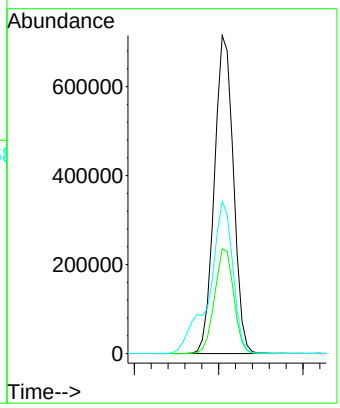
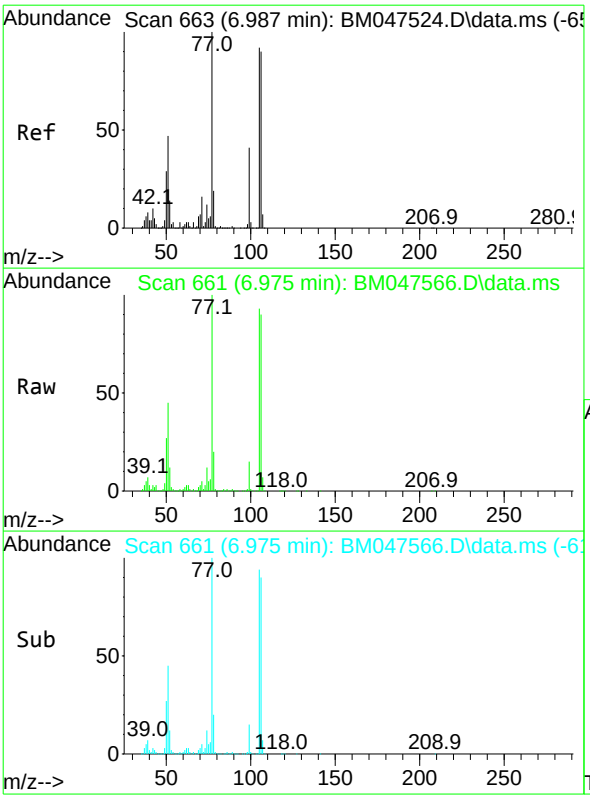


#8
2-Chlorophenol
Concen: 39.896 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

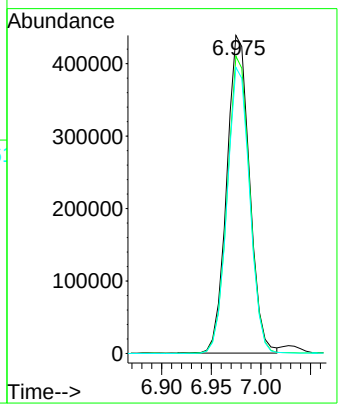




#9
Benzaldehyde
Concen: 41.071 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 77 Resp: 701465

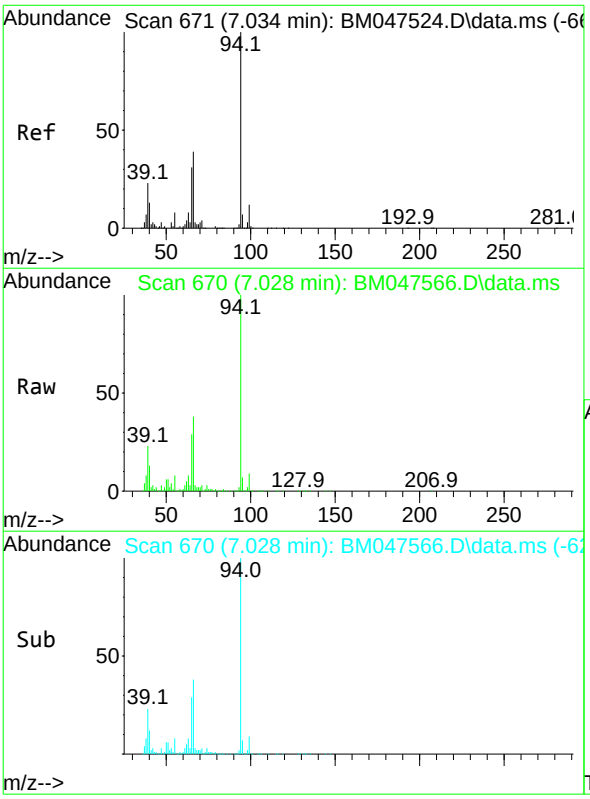
Ion	Ratio	Lower	Upper
77	100		
105	93.5	71.8	111.8
106	90.0	69.7	109.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

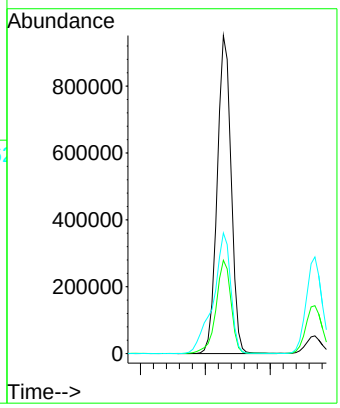
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

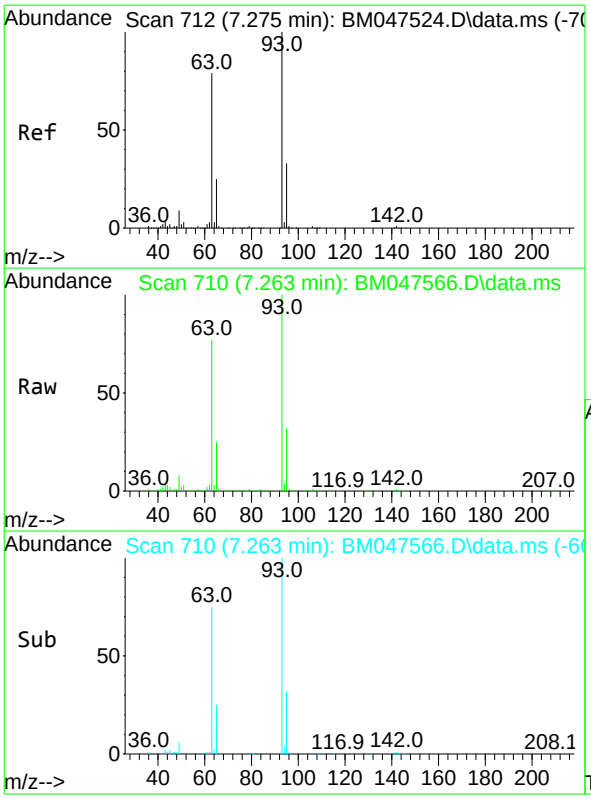


#10
Phenol
Concen: 39.375 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

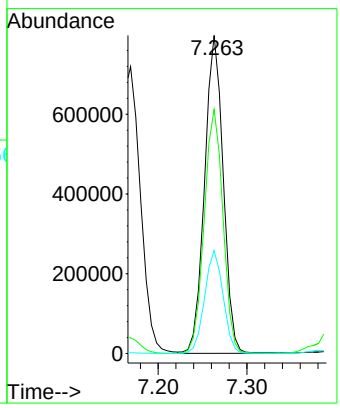




#11
bis(2-Chloroethyl)ether
Concen: 40.276 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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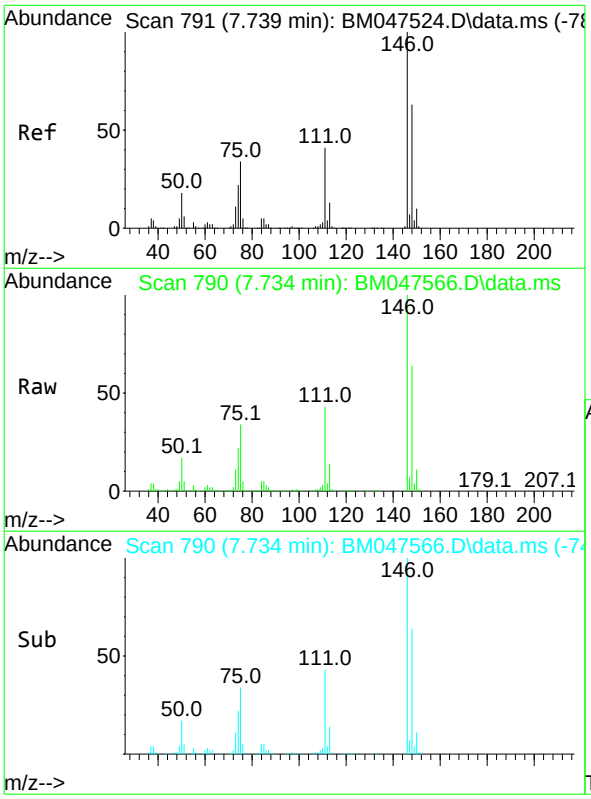
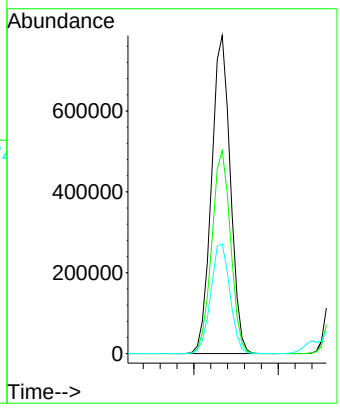
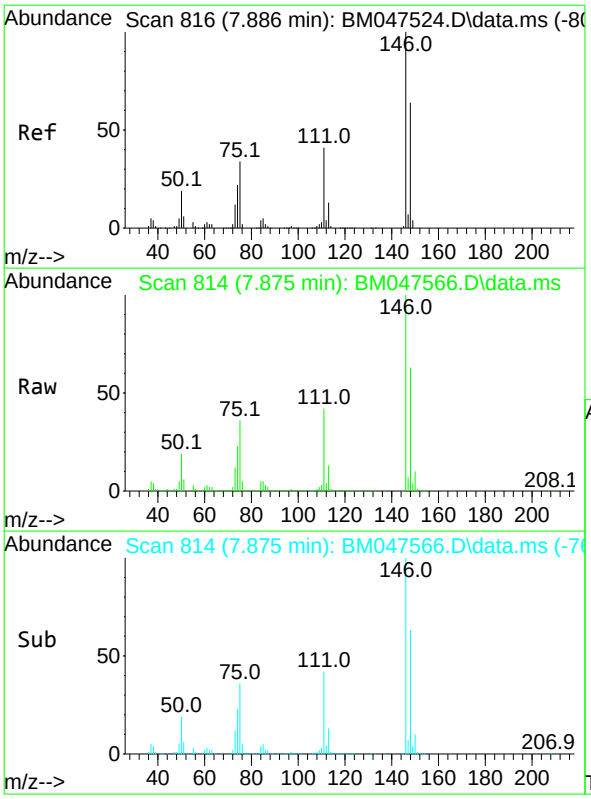


#12
1,3-Dichlorobenzene
Concen: 39.620 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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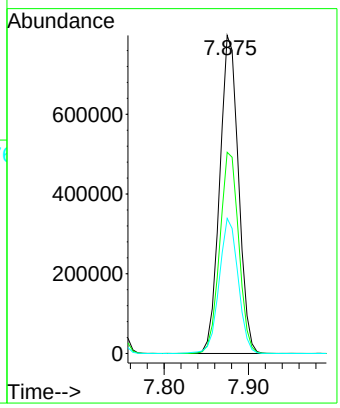
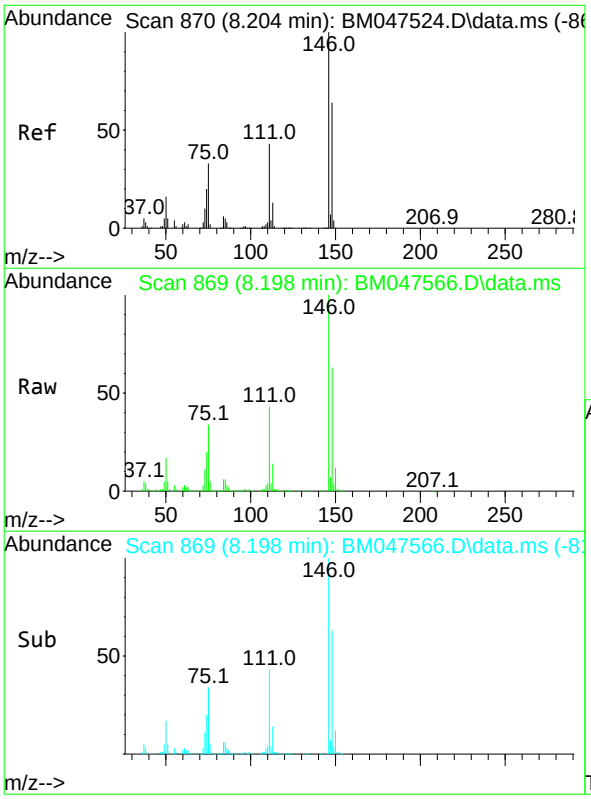
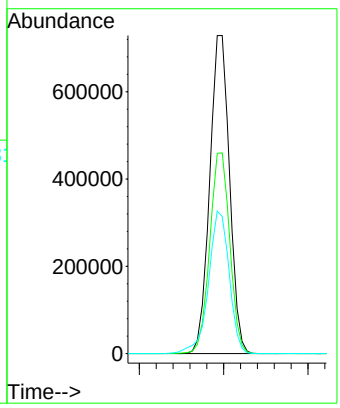


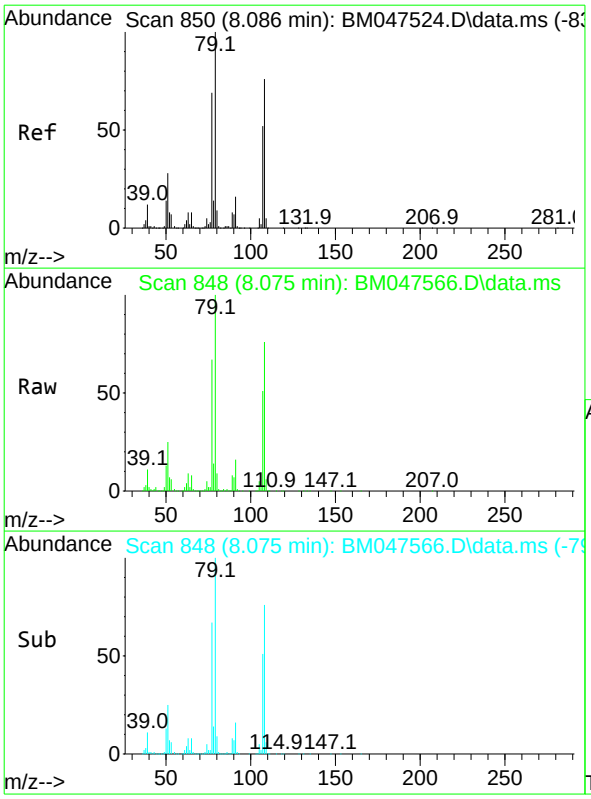


#14
1,2-Dichlorobenzene
Concen: 38.586 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

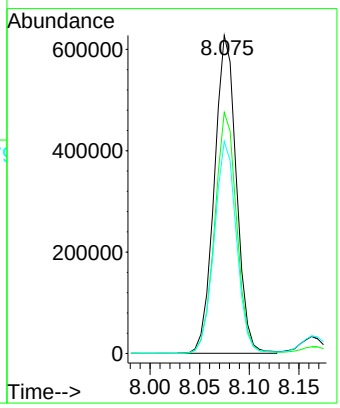




#15
Benzyl Alcohol
Concen: 39.820 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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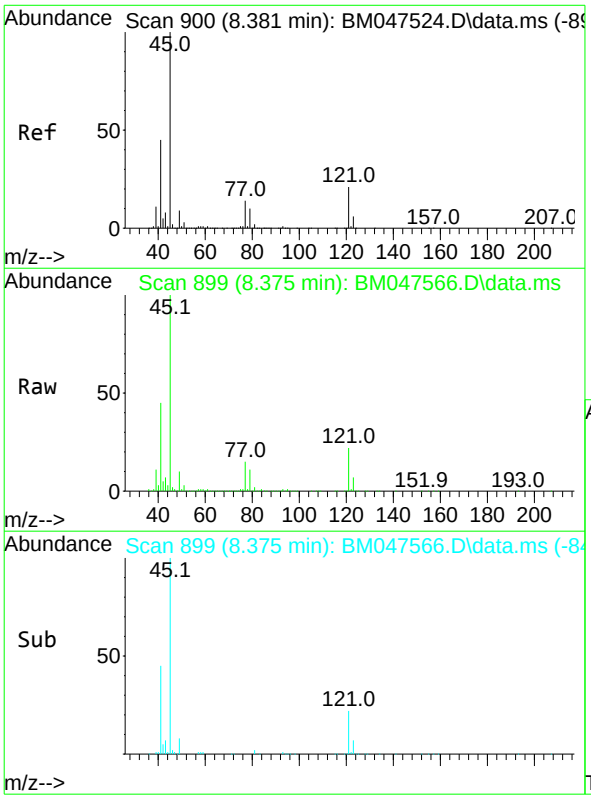
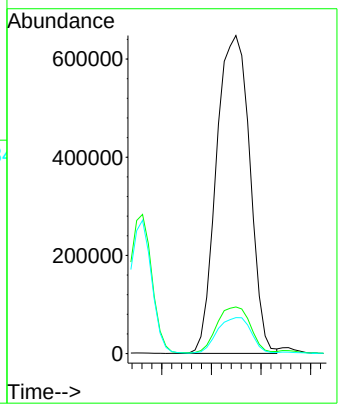
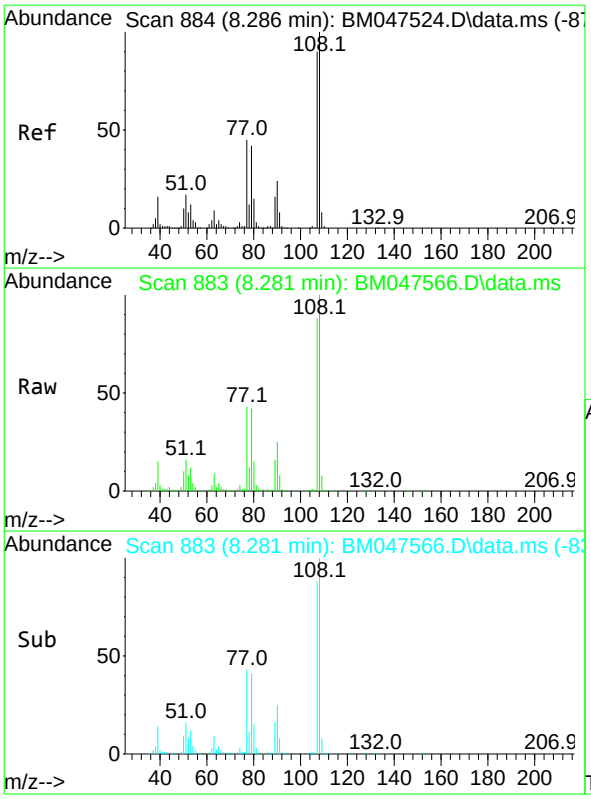


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.226 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

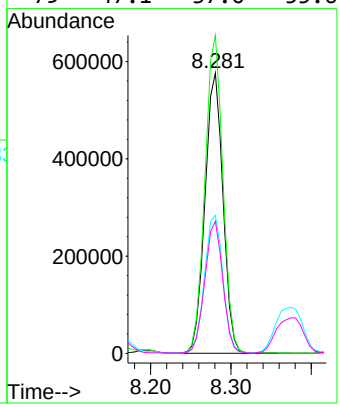




#17
2-Methylphenol
Concen: 39.073 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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ClientSampleId :
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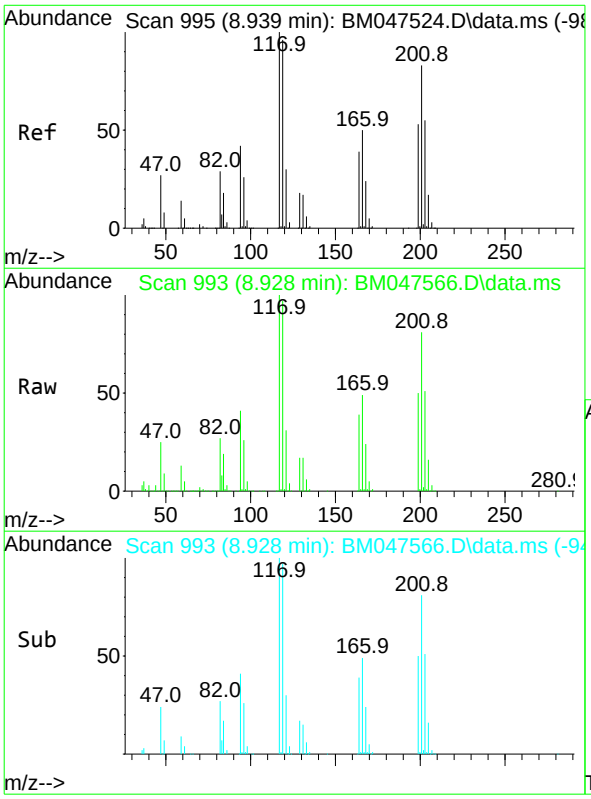
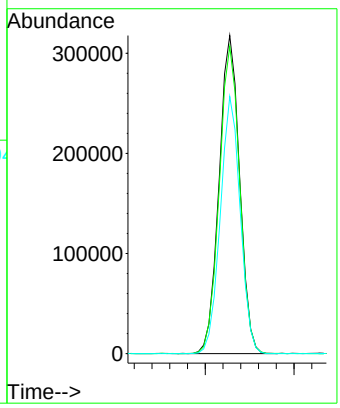
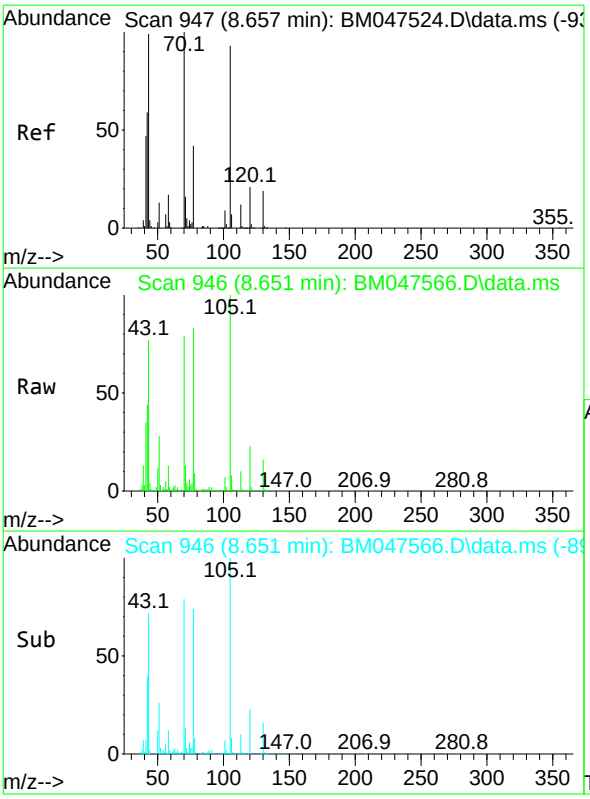


#18
Hexachloroethane
Concen: 40.686 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

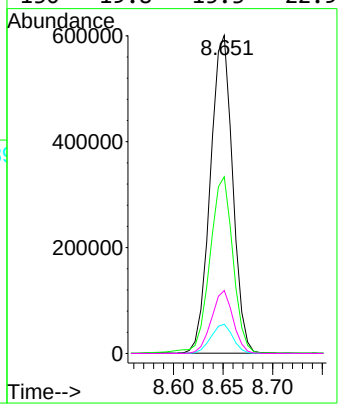




#19
n-Nitroso-di-n-propylamine
Concen: 38.623 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
SSTDCCC040

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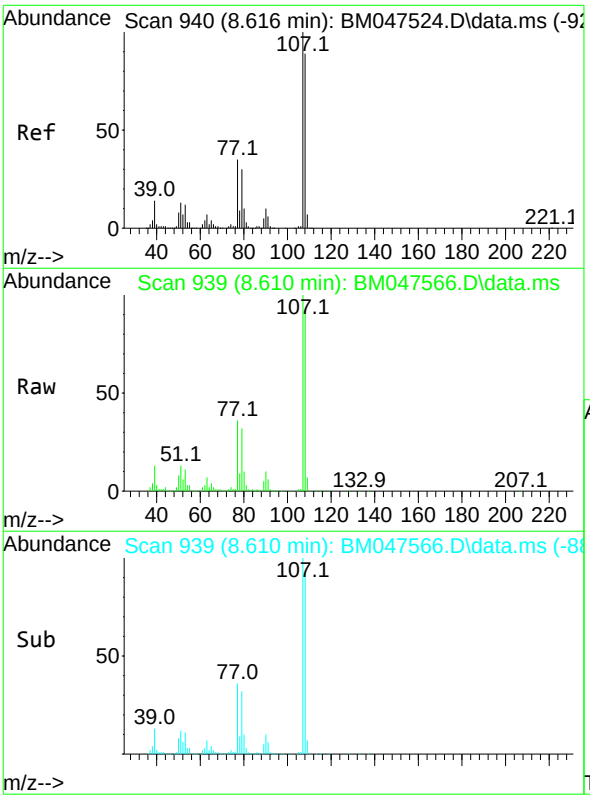
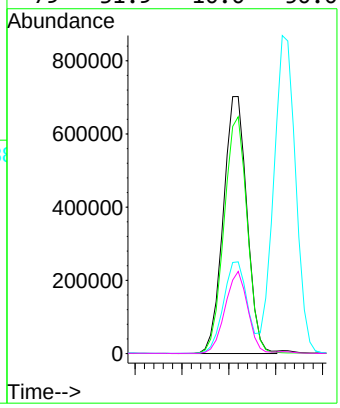
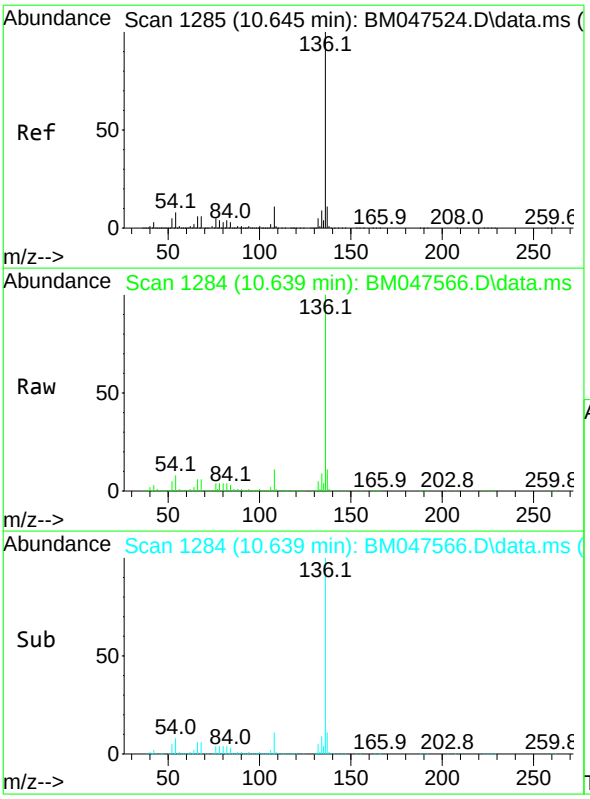


#20
3+4-Methylphenols
Concen: 38.353 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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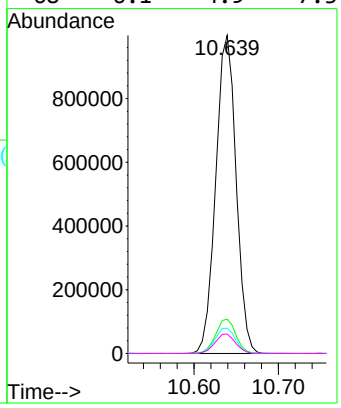
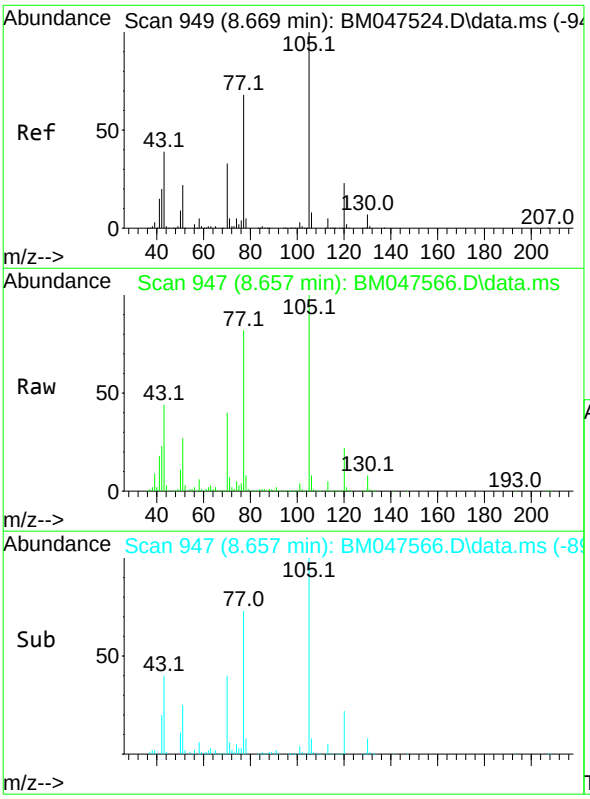
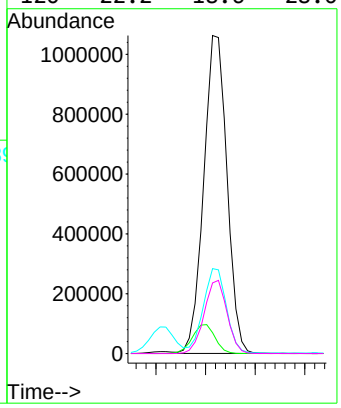


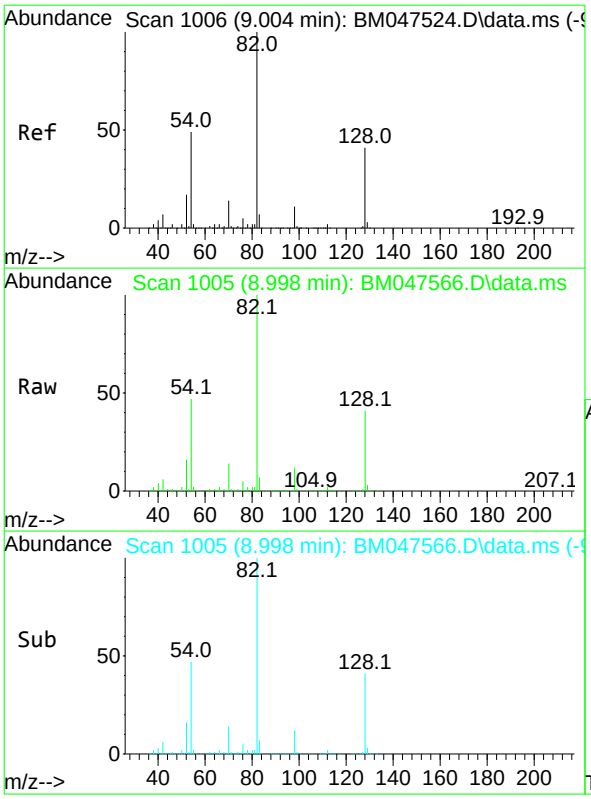


#22
Acetophenone
Concen: 39.336 ng
RT: 8.657 min Scan# 947
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

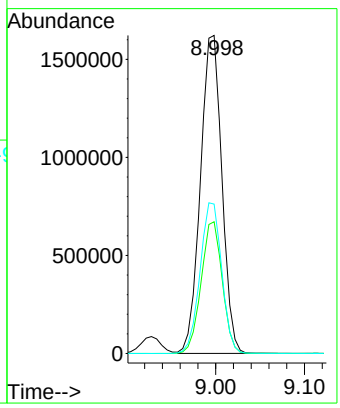




#23
Nitrobenzene-d5
Concen: 81.415 ng
RT: 8.998 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
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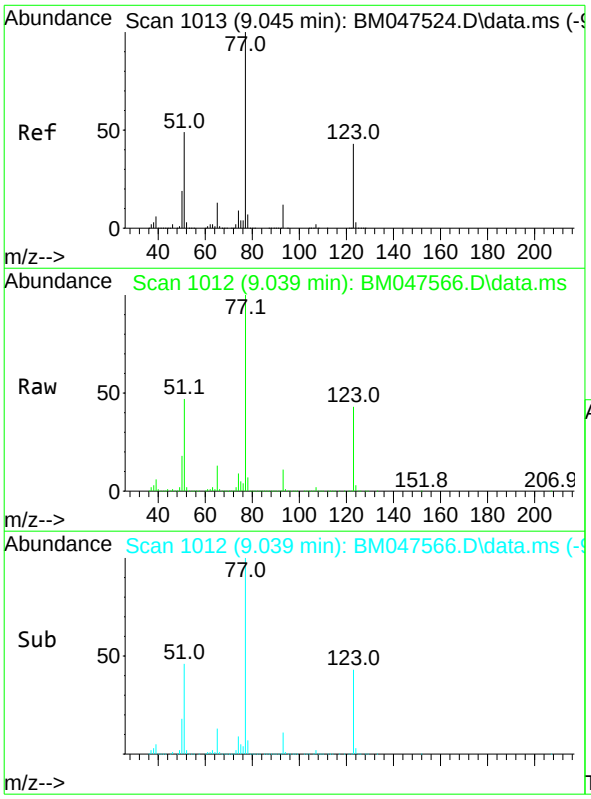
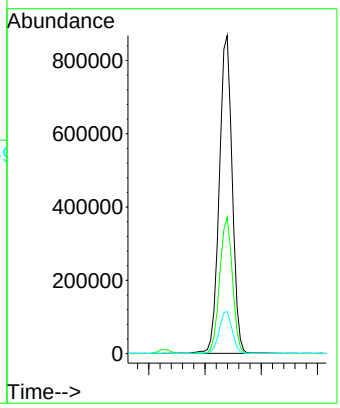
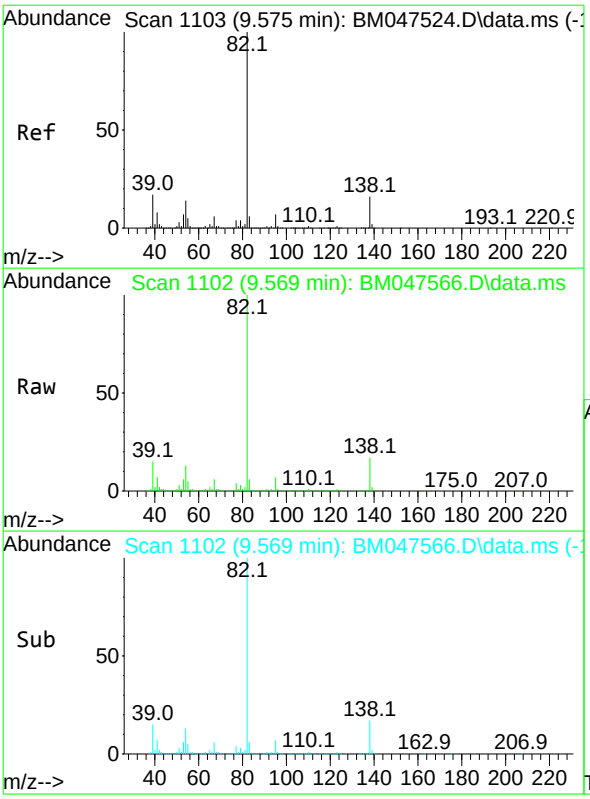


#24
Nitrobenzene
Concen: 40.125 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

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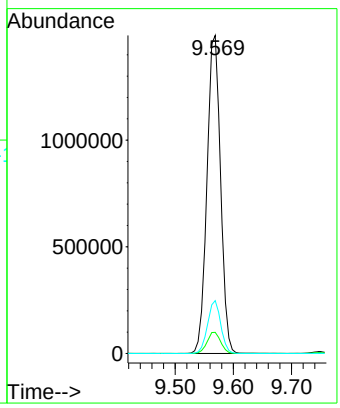
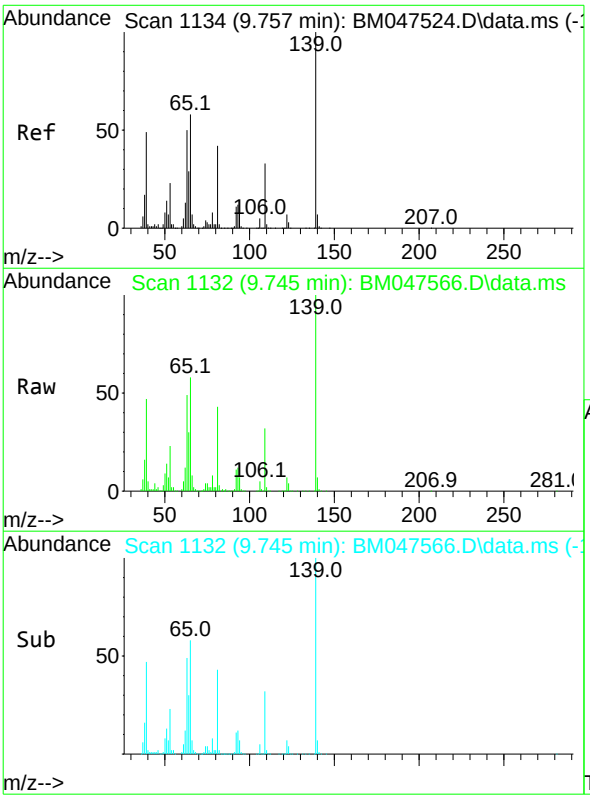
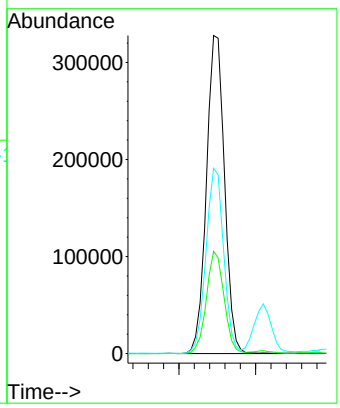


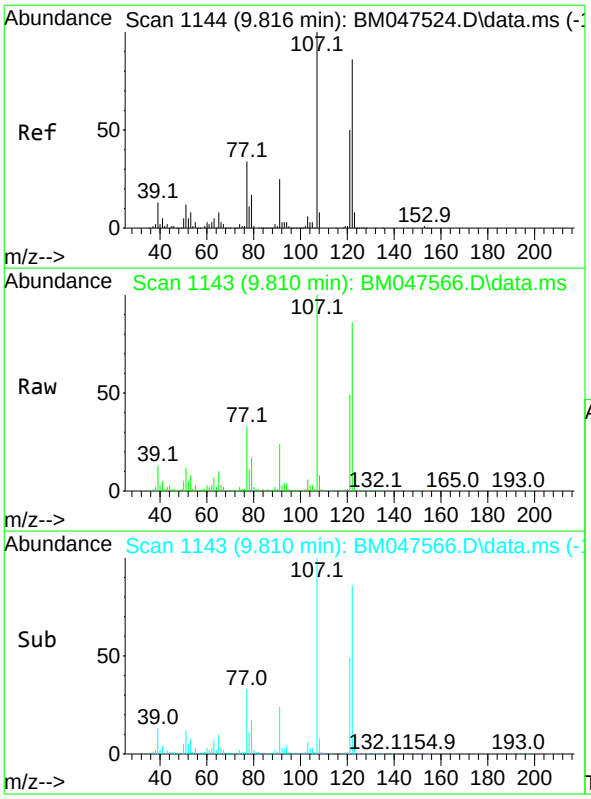


#26
2-Nitrophenol
Concen: 45.878 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
SSTDCCC040

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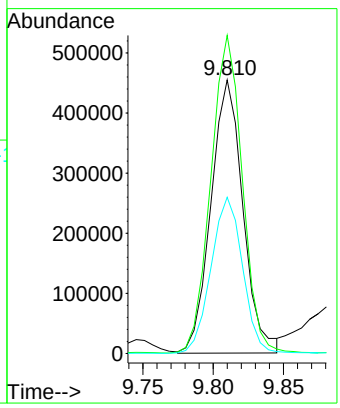
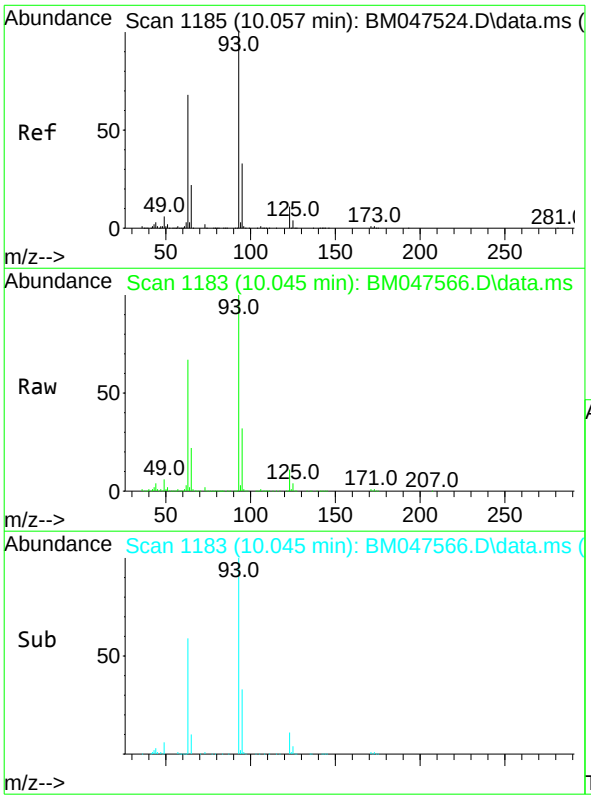
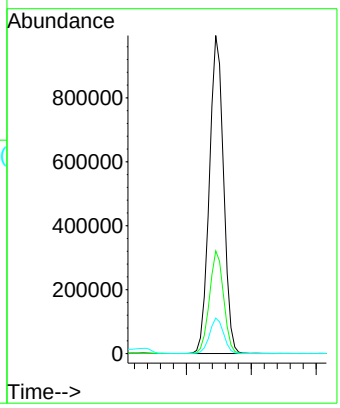


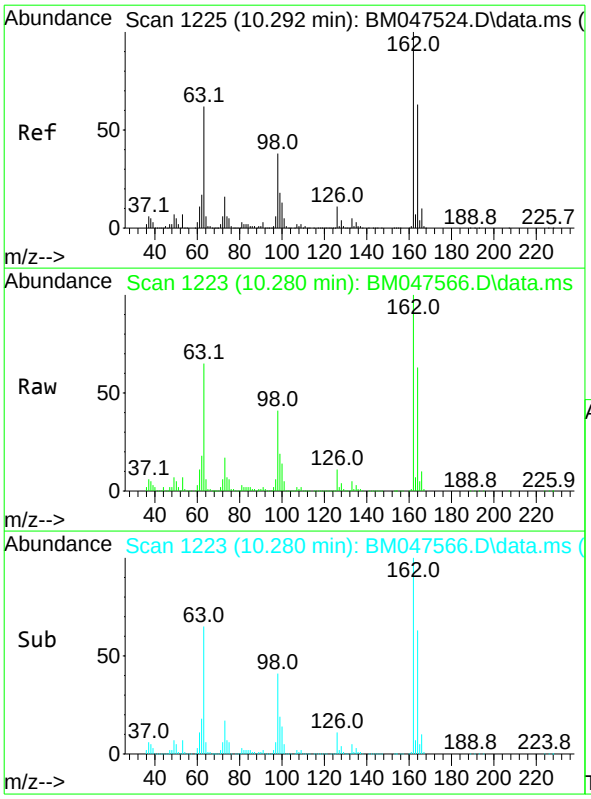


#28
bis(2-Chloroethoxy)methane
Concen: 40.891 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
SSTDCCC040

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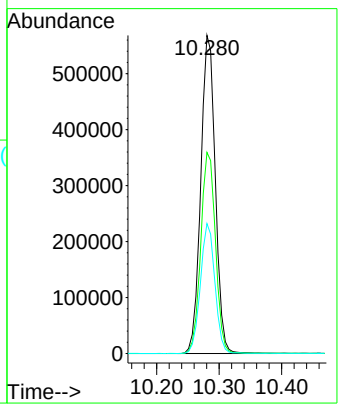
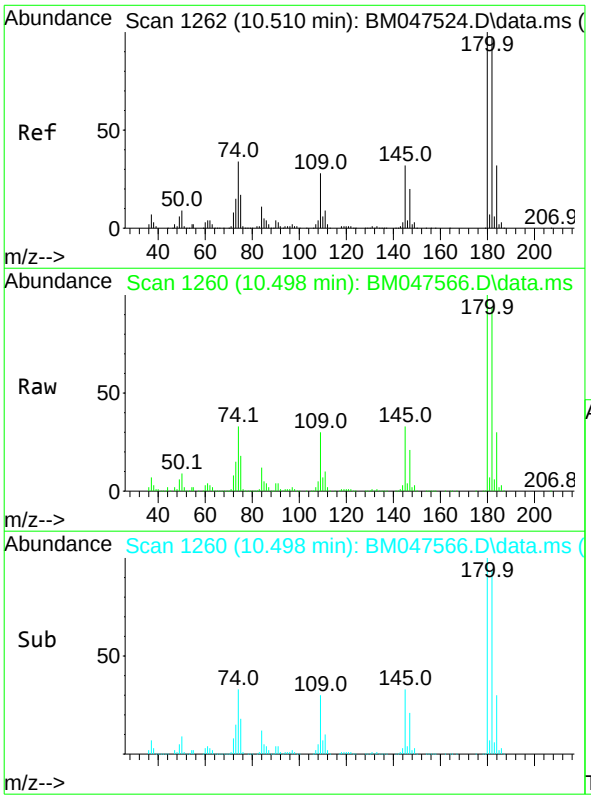
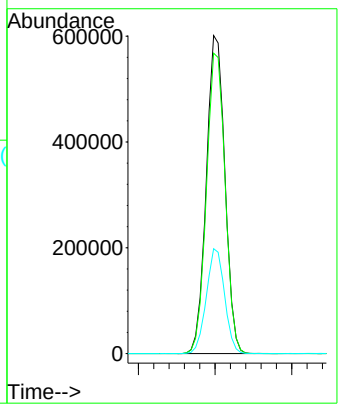


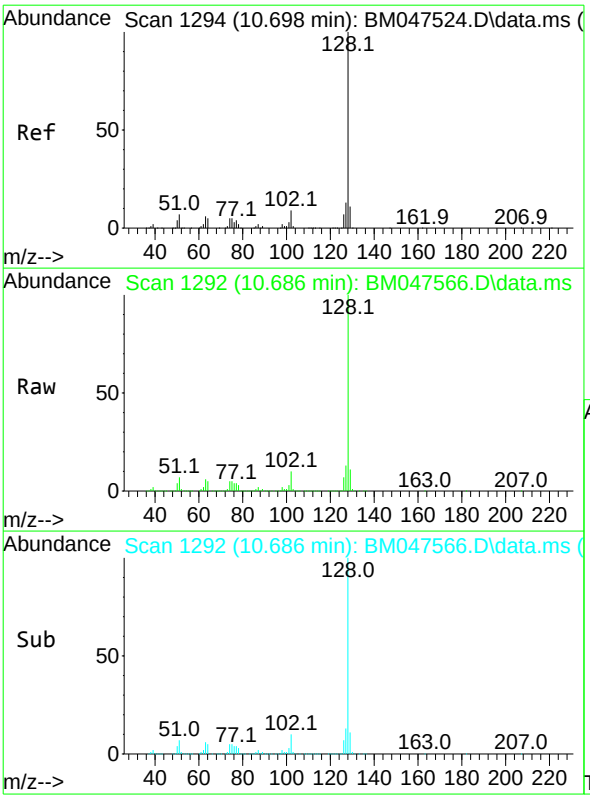


#30
1,2,4-Trichlorobenzene
Concen: 39.082 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
SSTDCCC040

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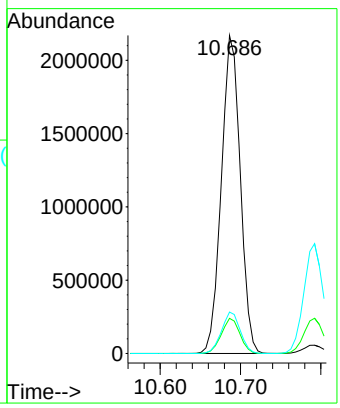
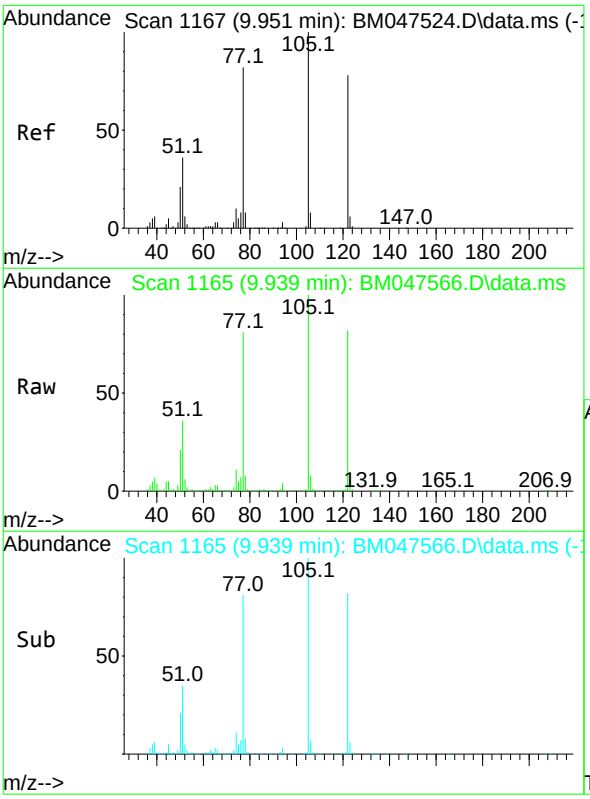
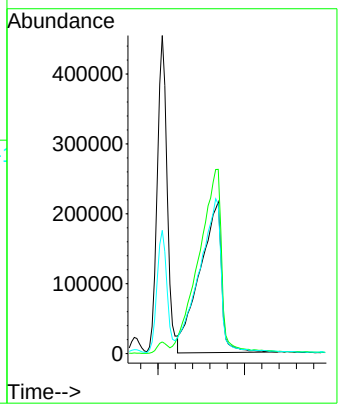


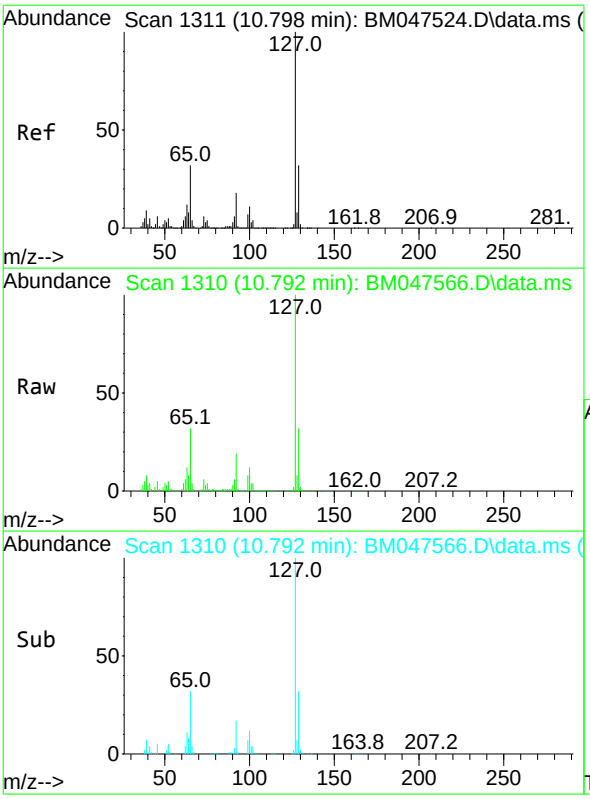


#32
Benzoic acid
Concen: 43.933 ng
RT: 9.939 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

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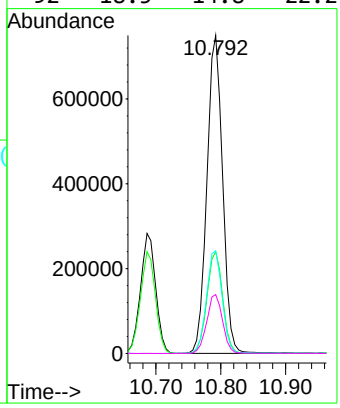
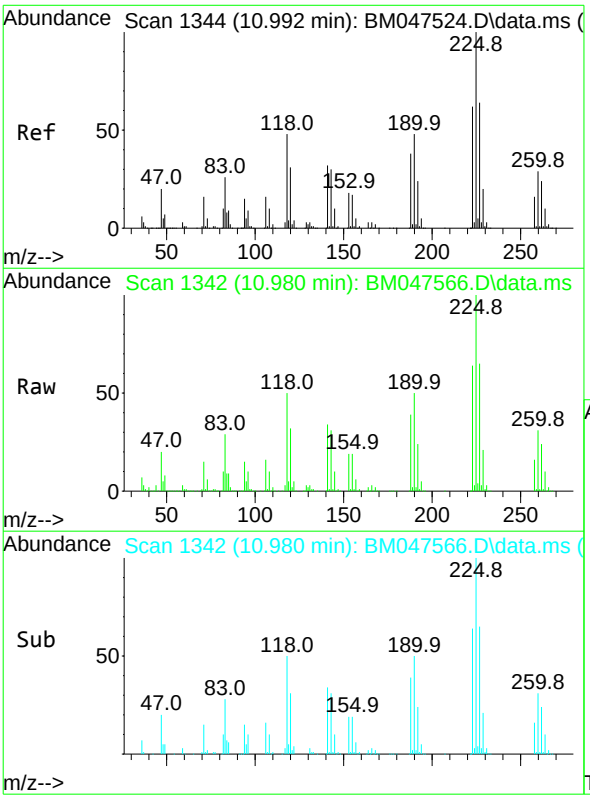
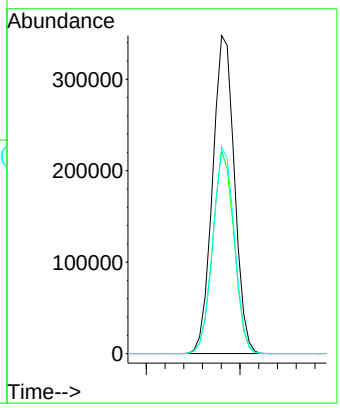


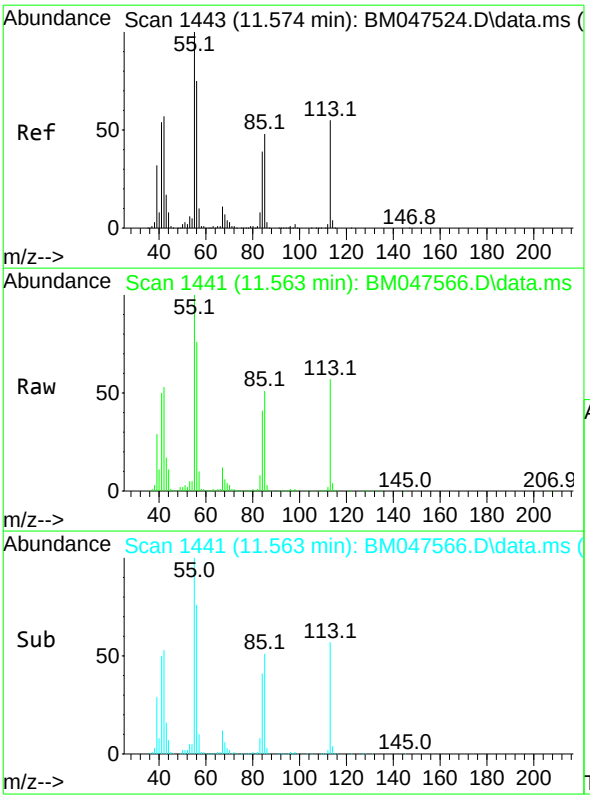


#34
Hexachlorobutadiene
Concen: 39.348 ng
RT: 10.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

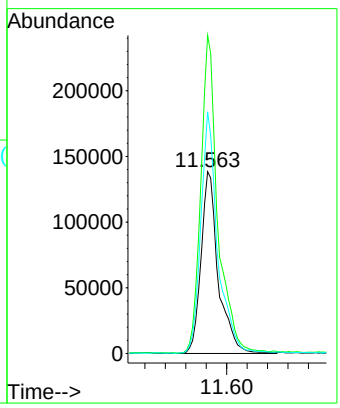




#35
Caprolactam
Concen: 43.628 ng
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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ClientSampleId :
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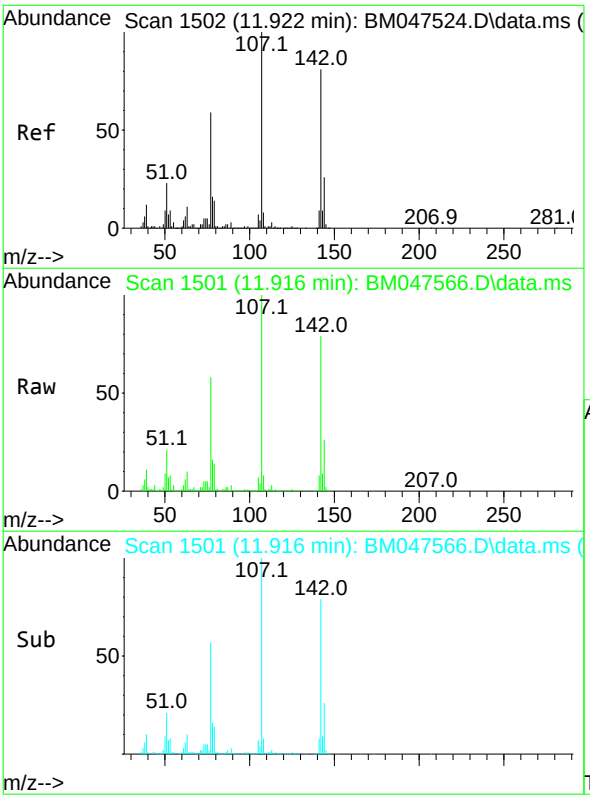
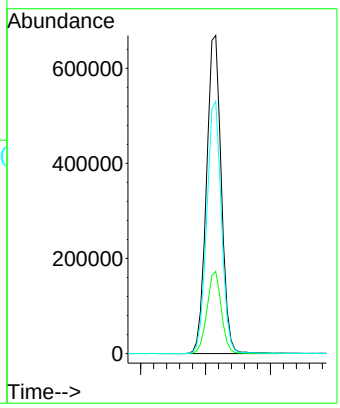
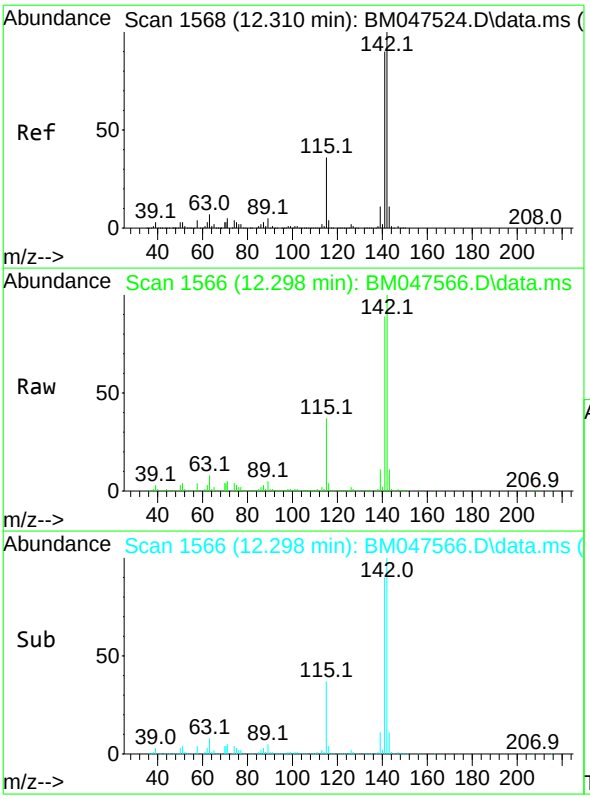


#36
4-Chloro-3-methylphenol
Concen: 41.032 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
SSTDCCC040

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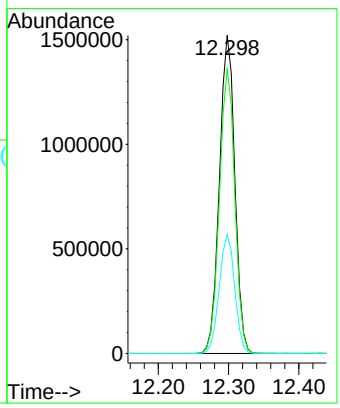
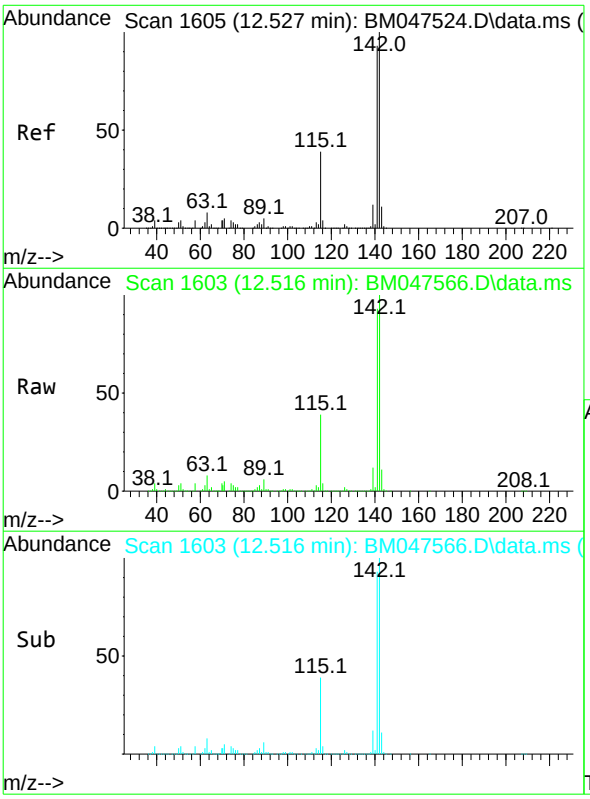
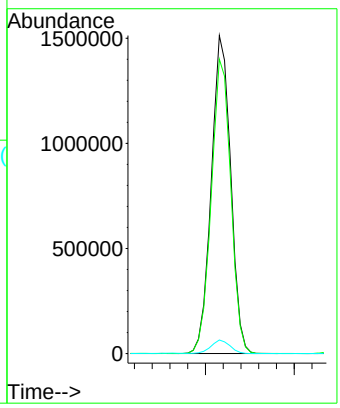


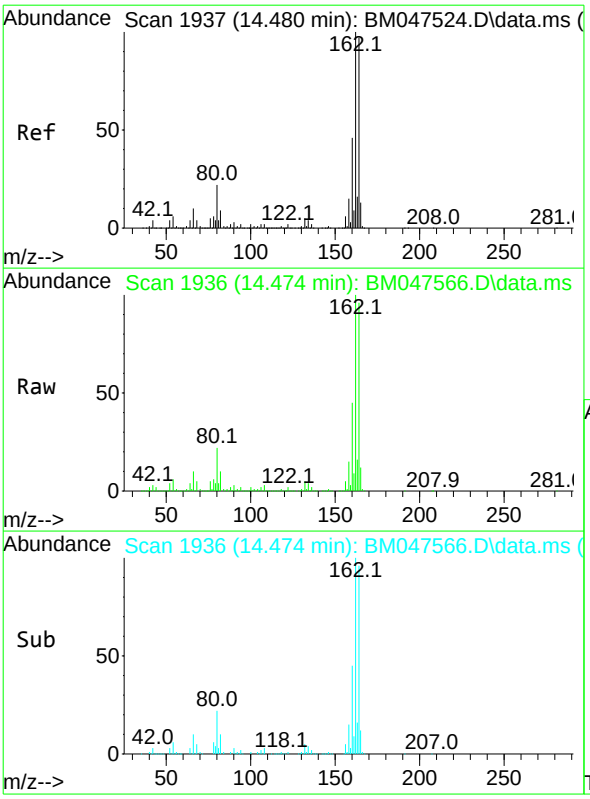


#38
1-Methylnaphthalene
Concen: 38.352 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

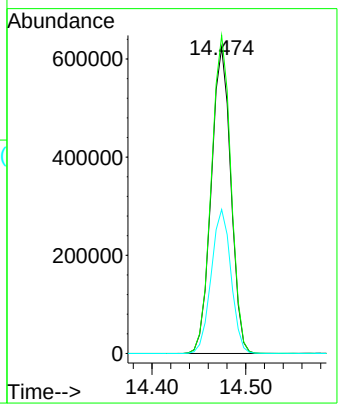




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
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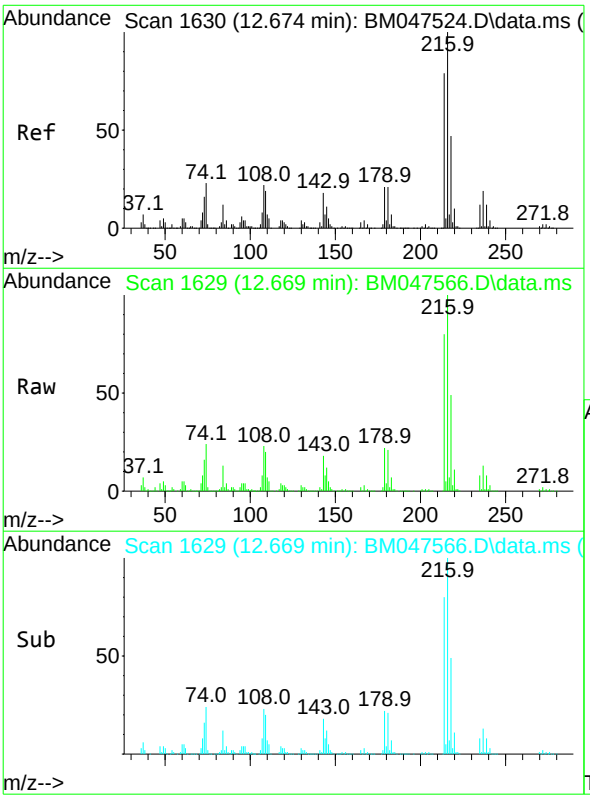
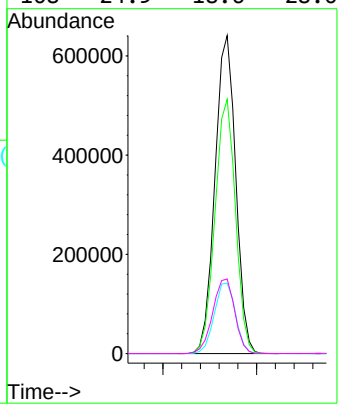
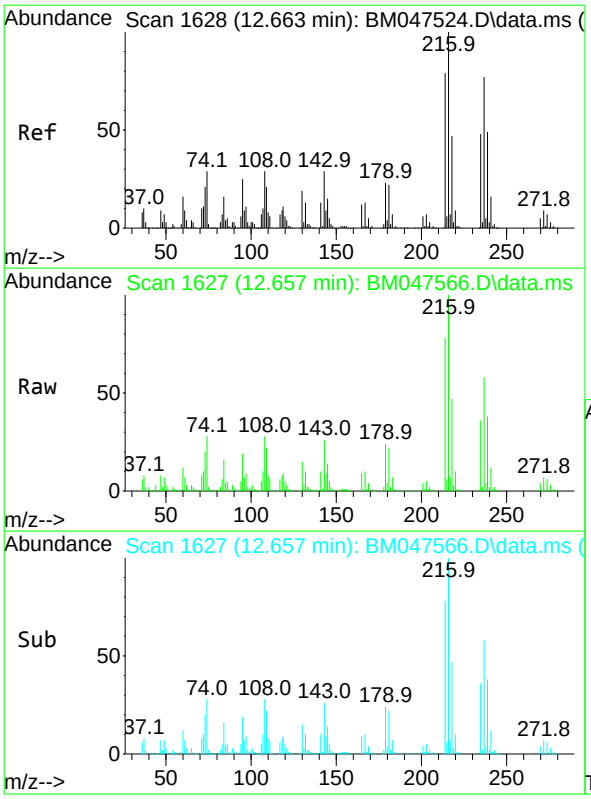


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.279 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
SSTDCCC040

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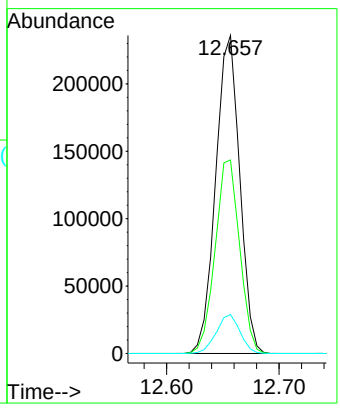
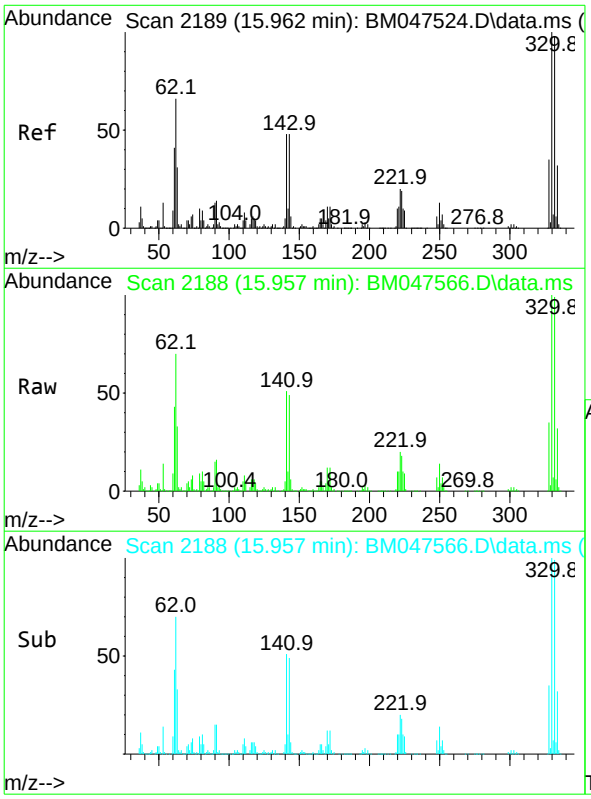
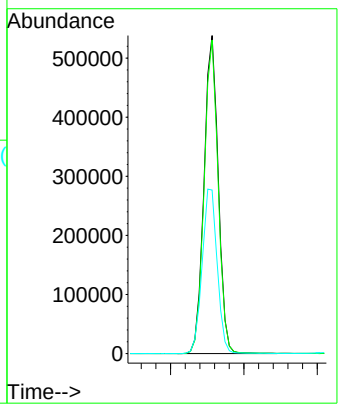


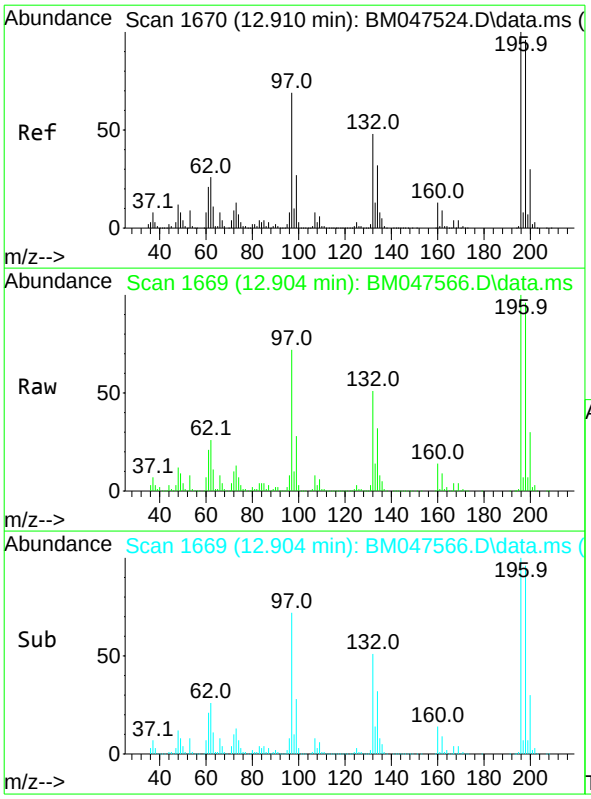


#42
2,4,6-Tribromophenol
Concen: 83.145 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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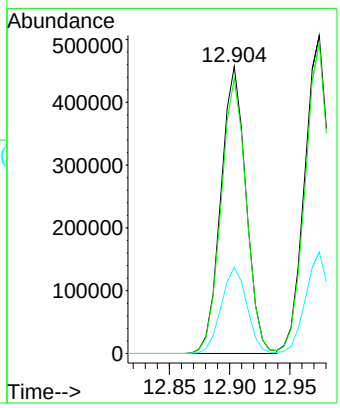
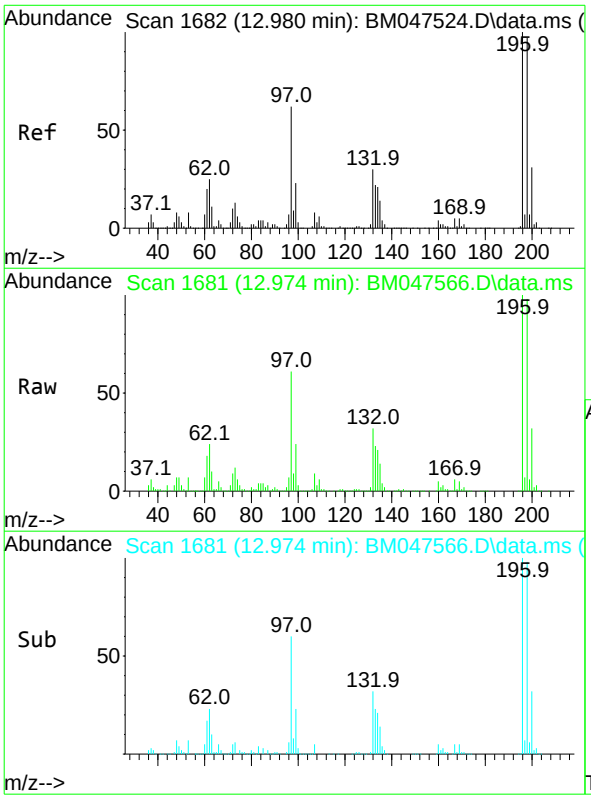
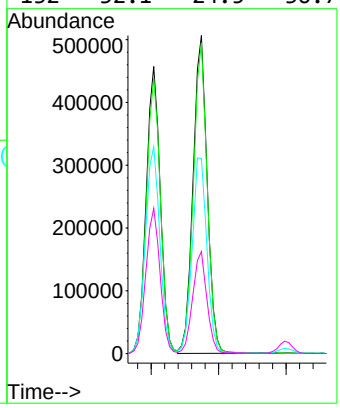


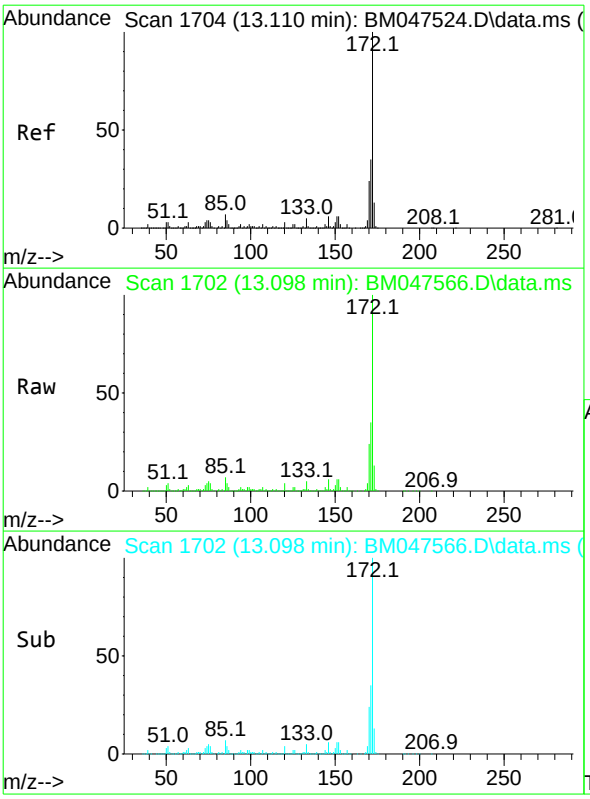


#44
2,4,5-Trichlorophenol
Concen: 42.523 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

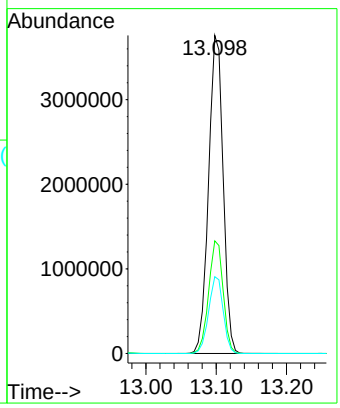




#45
2-Fluorobiphenyl
Concen: 82.051 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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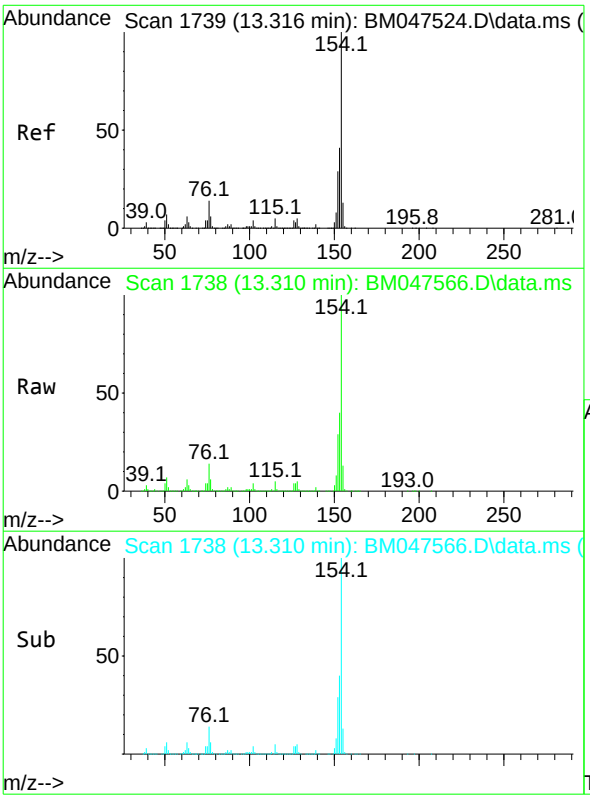
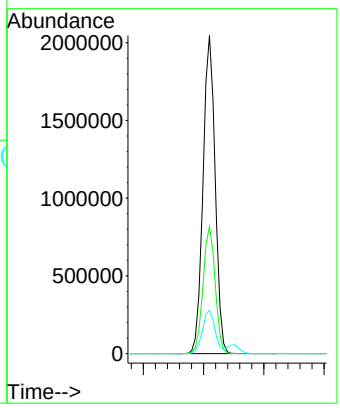
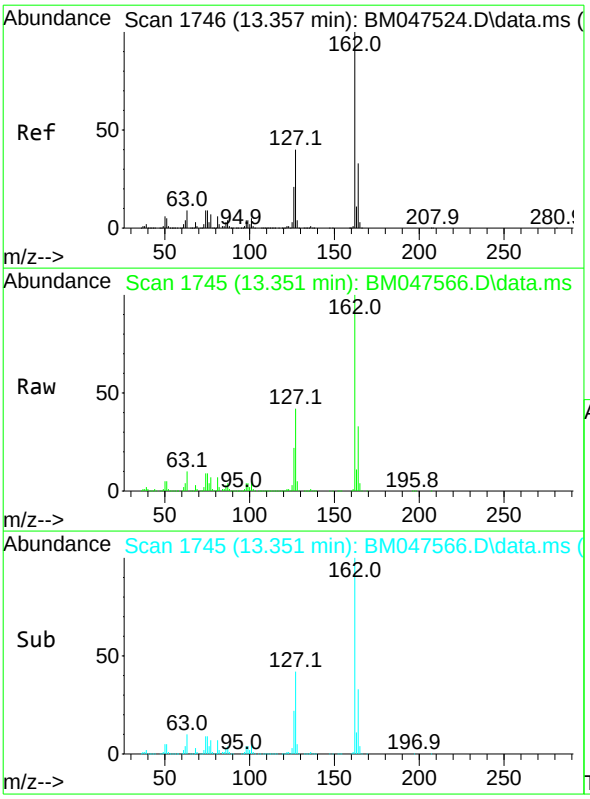


#46
1,1'-Biphenyl
Concen: 40.533 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

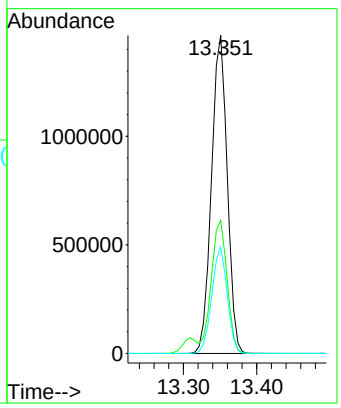




#47
2-Chloronaphthalene
Concen: 39.928 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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ClientSampleId :
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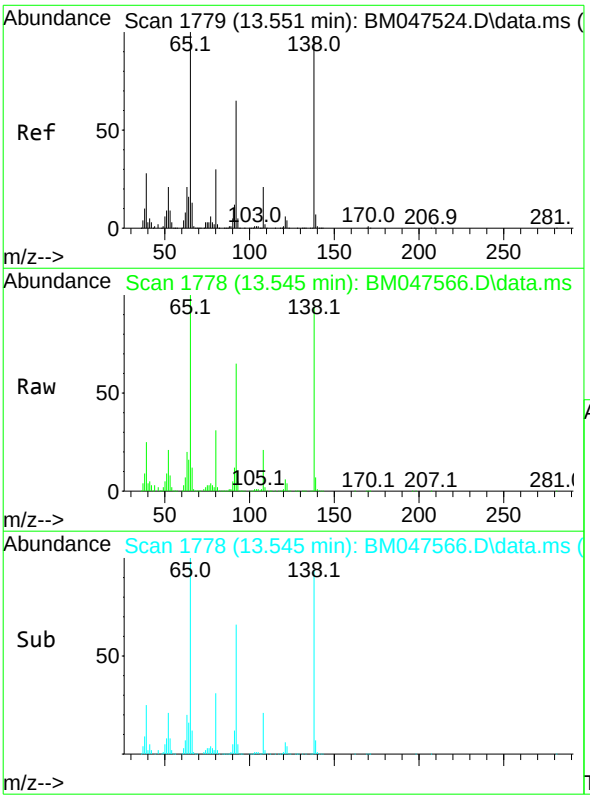
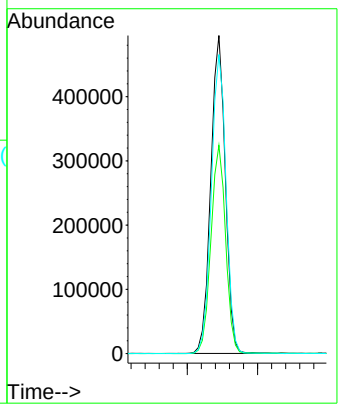
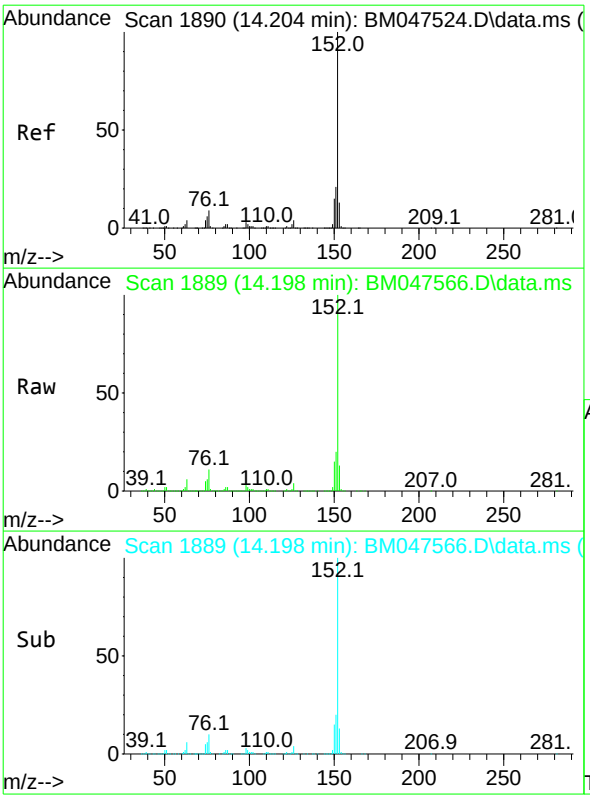


#48
2-Nitroaniline
Concen: 44.296 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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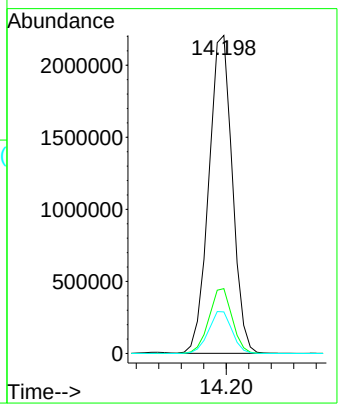
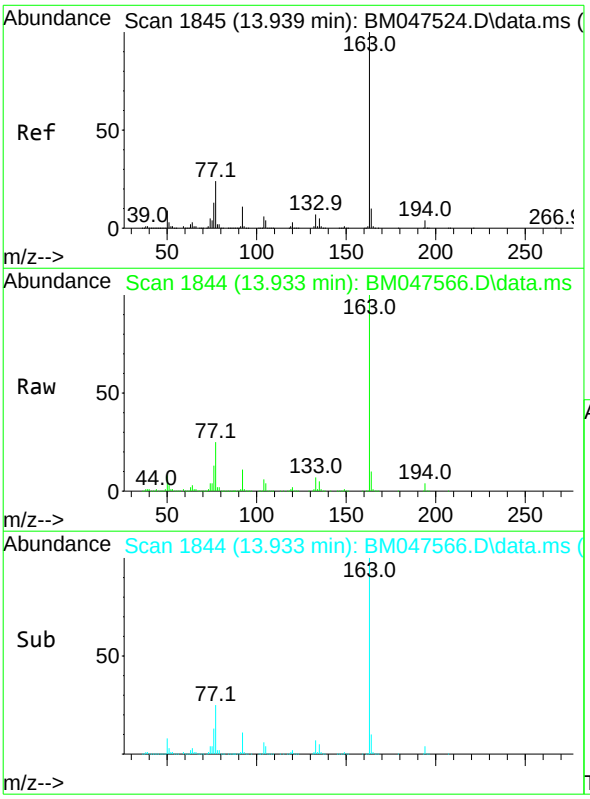
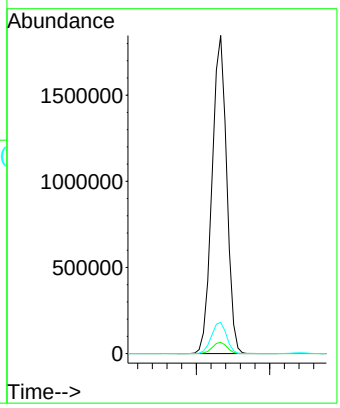


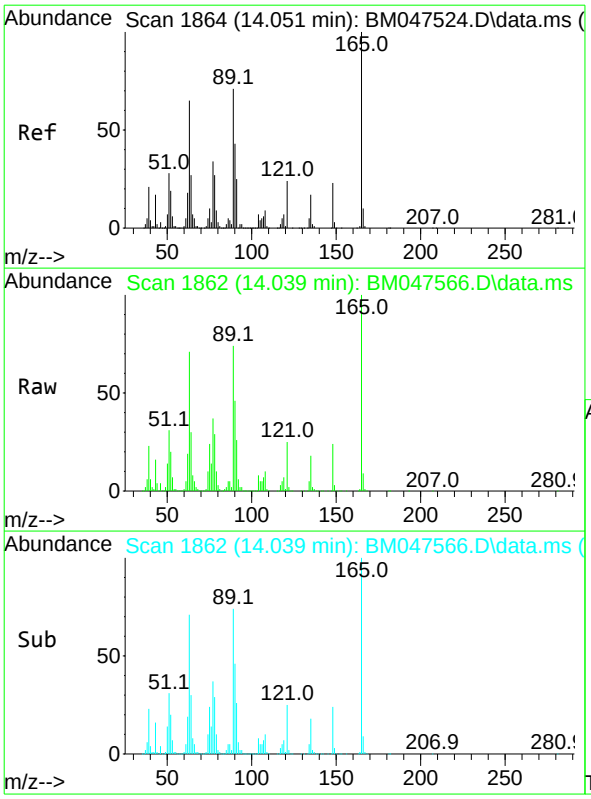


#50
Dimethylphthalate
Concen: 41.425 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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ClientSampleId :
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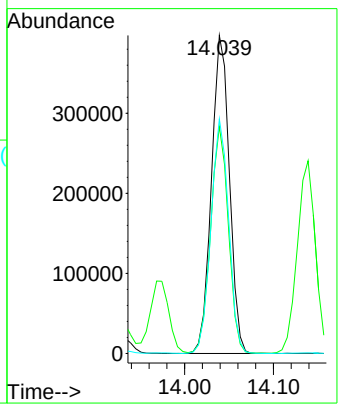
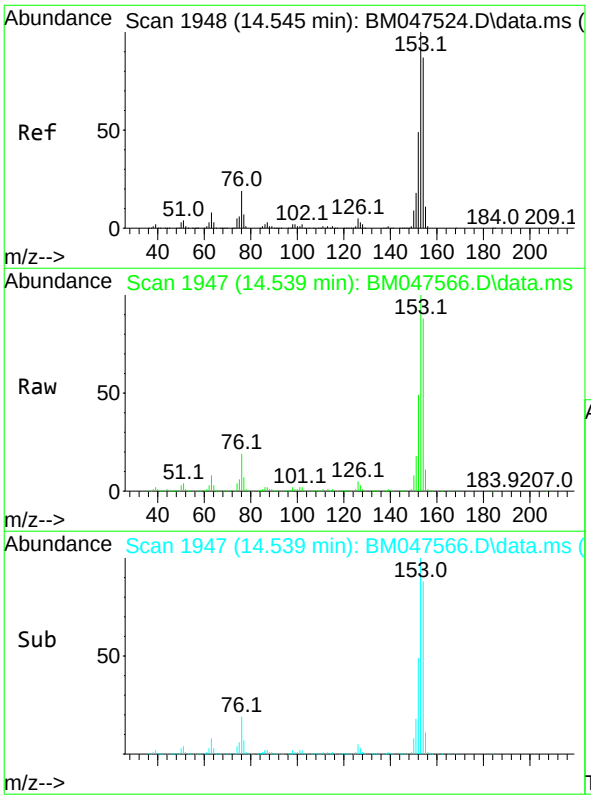
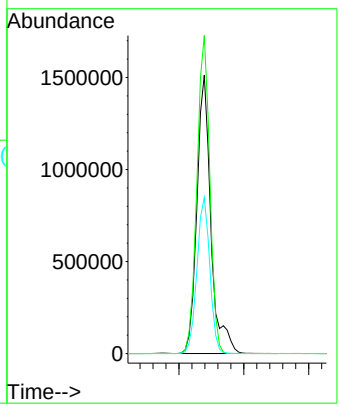


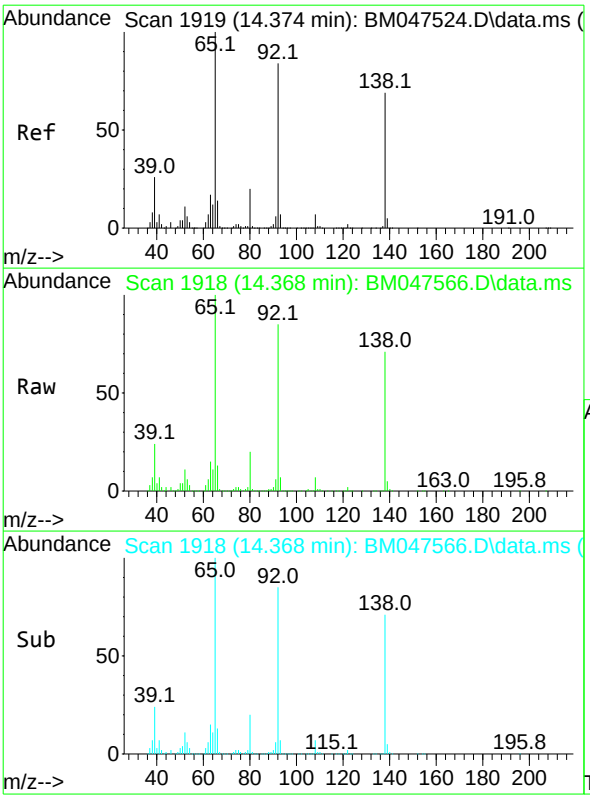


#52
Acenaphthene
Concen: 40.913 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

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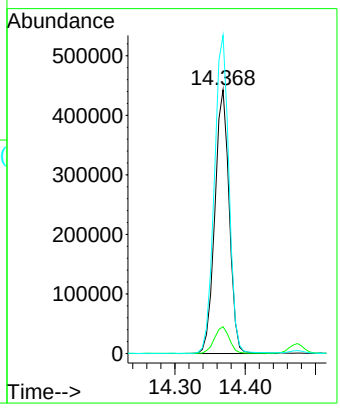
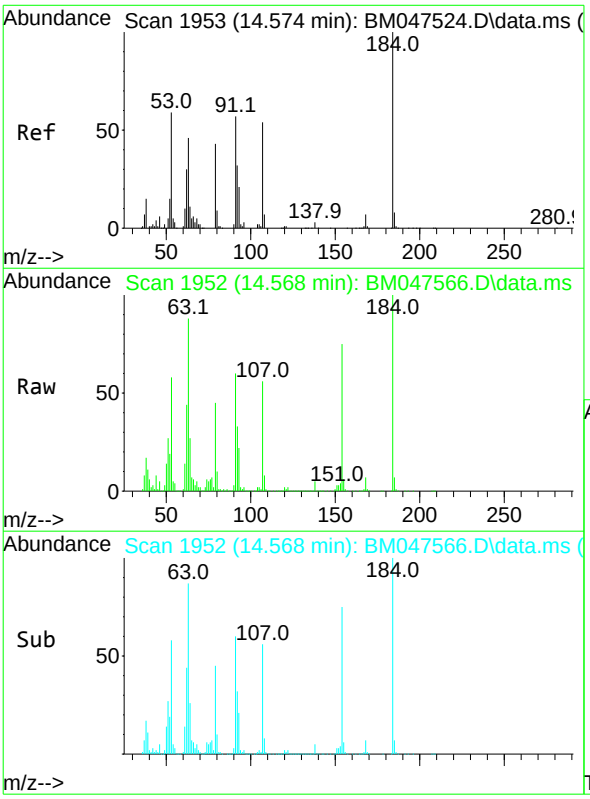
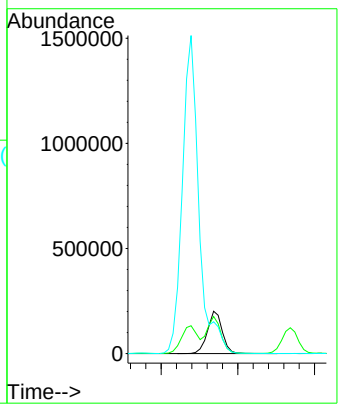


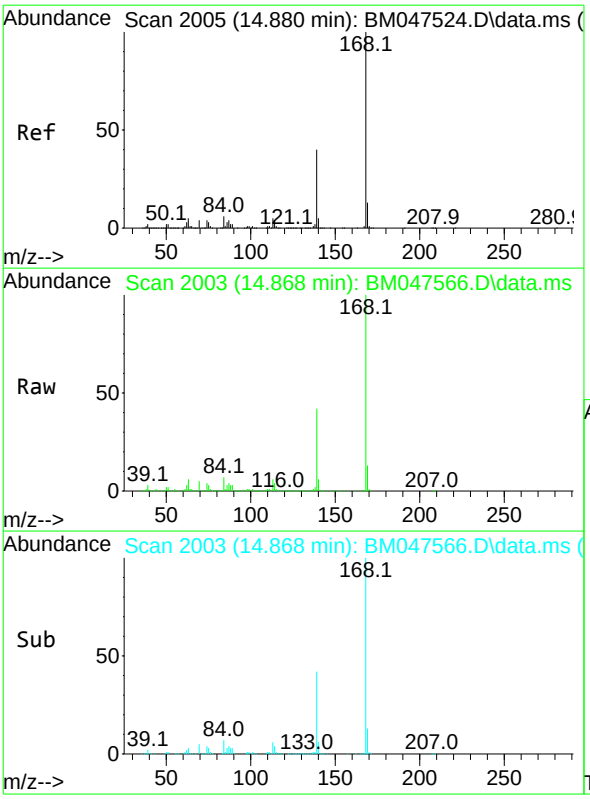


#54
2,4-Dinitrophenol
Concen: 45.515 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

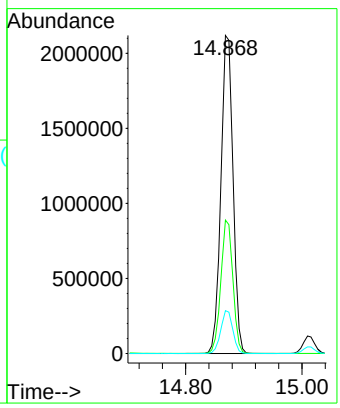




#55
Dibenzofuran
Concen: 39.385 ng
RT: 14.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
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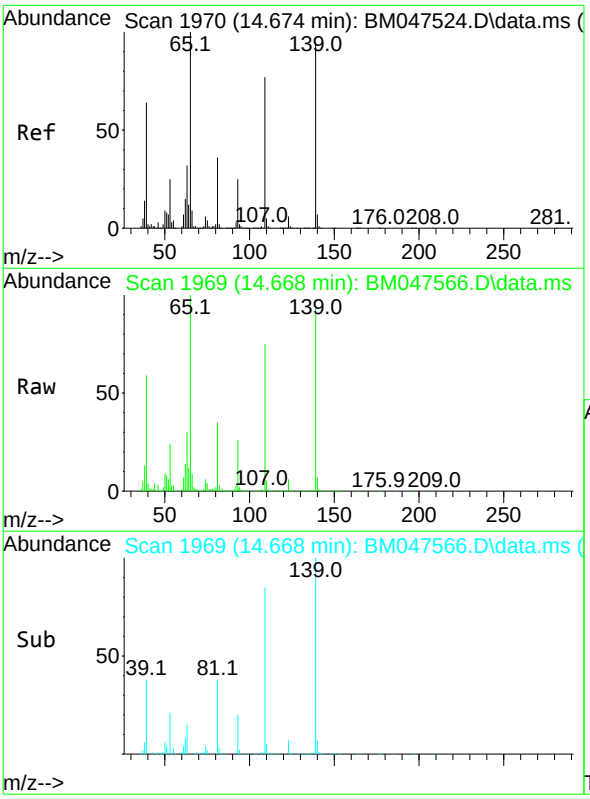
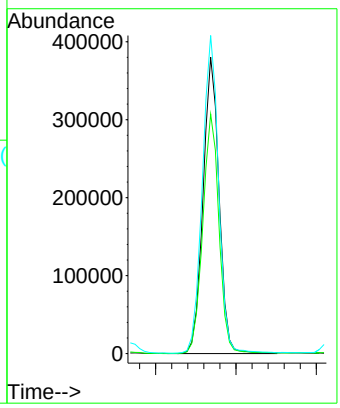
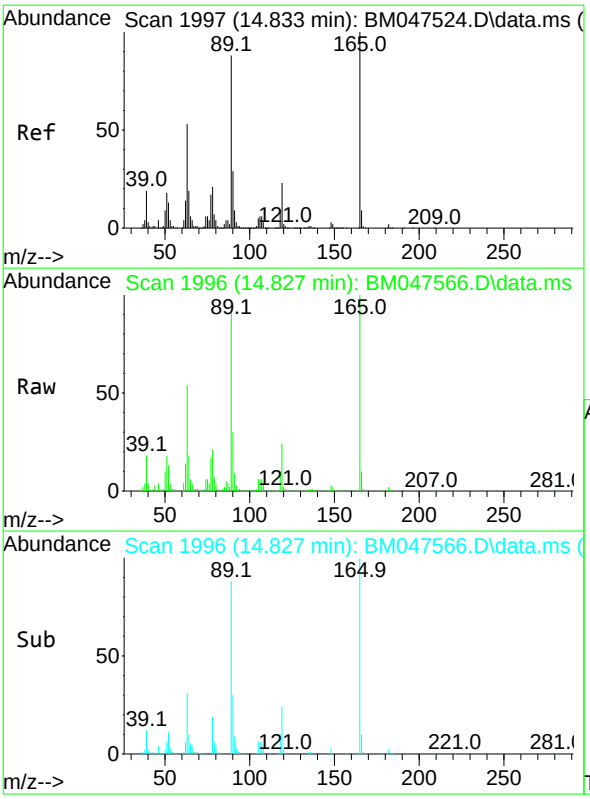


#56
4-Nitrophenol
Concen: 44.188 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

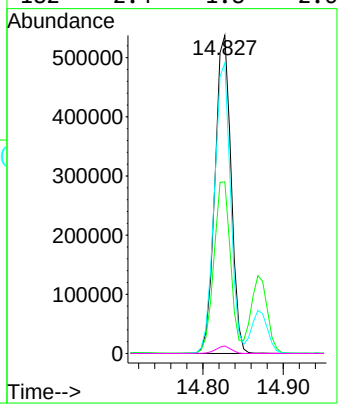




#57
2,4-Dinitrotoluene
Concen: 43.073 ng
RT: 14.827 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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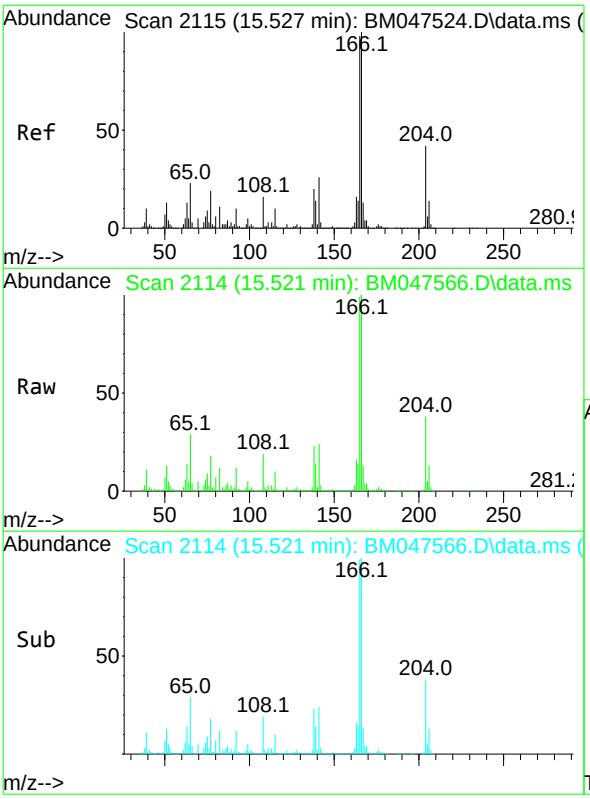
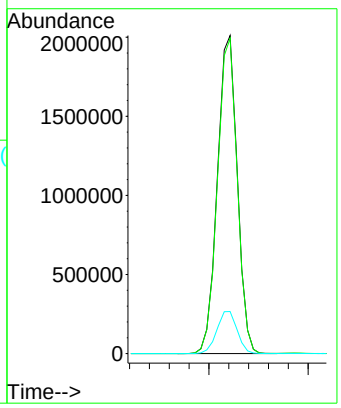
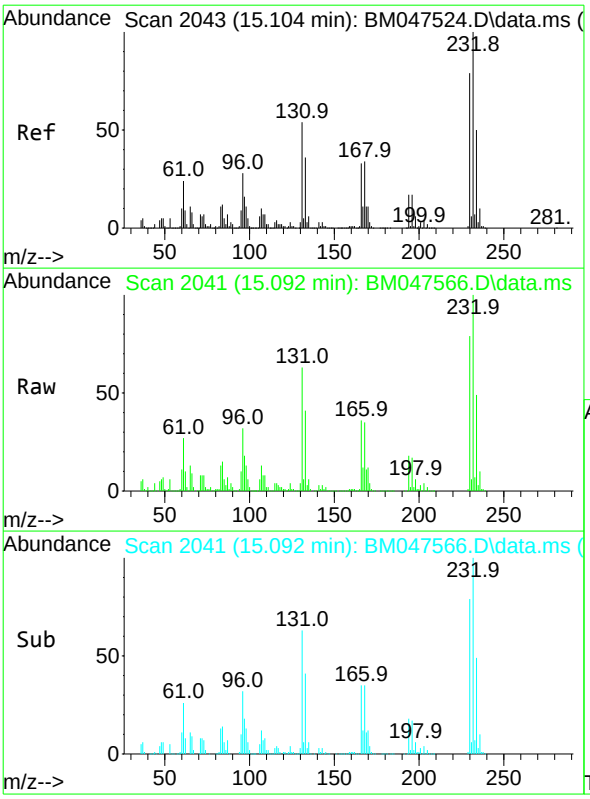


#58
Fluorene
Concen: 39.999 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

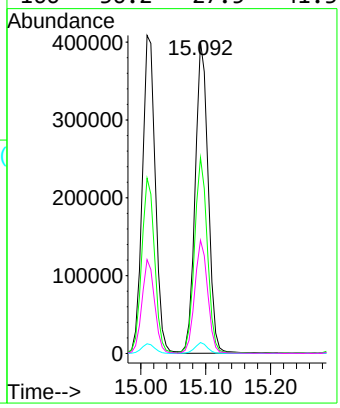




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.149 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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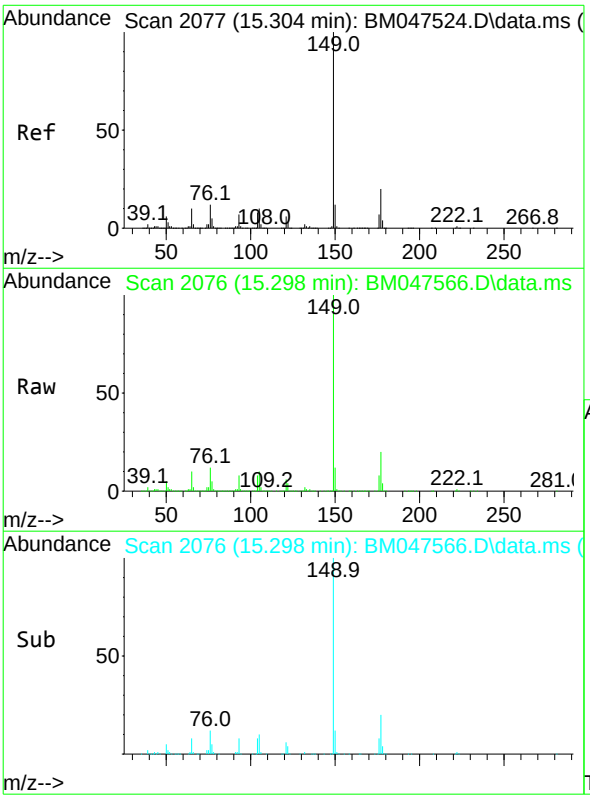
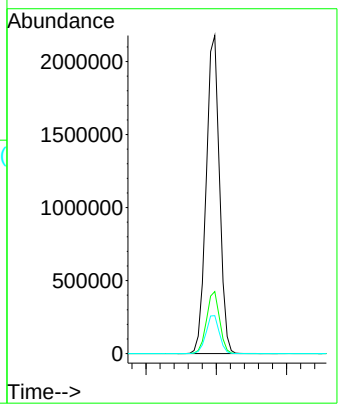
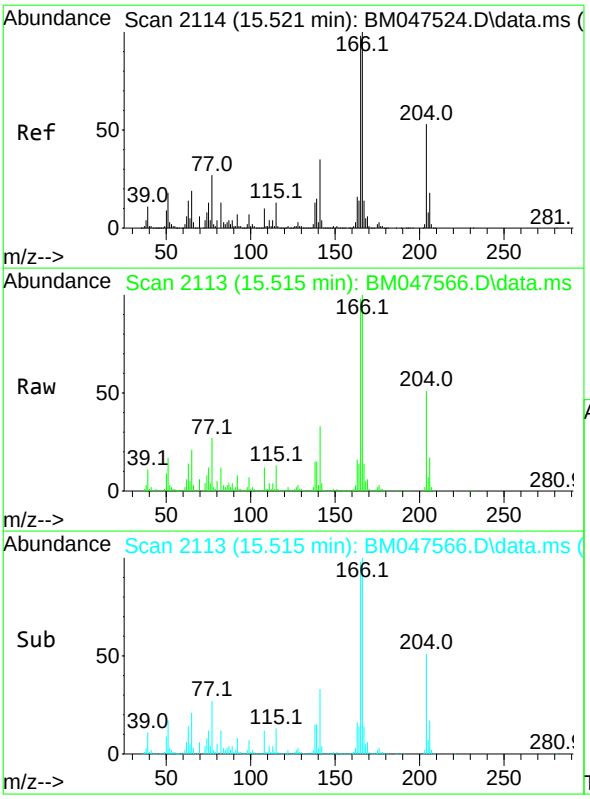


#60
Diethylphthalate
Concen: 43.320 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

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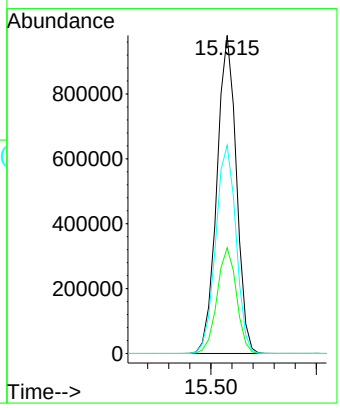
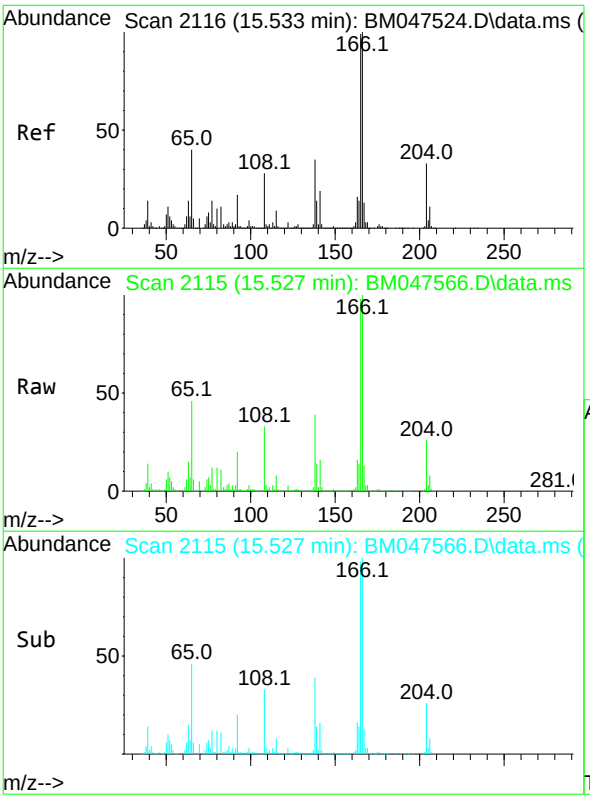
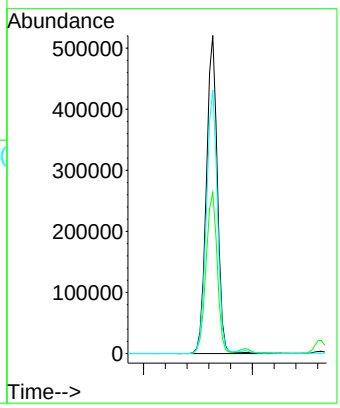


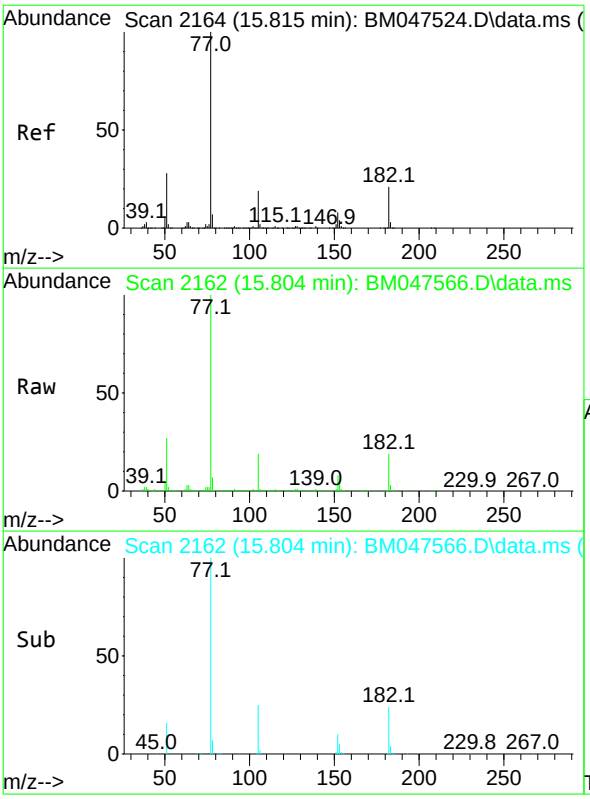


#62
4-Nitroaniline
Concen: 42.836 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

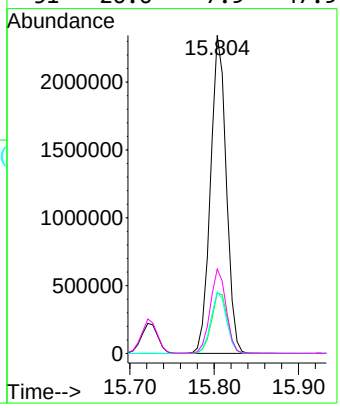




#63
Azobenzene
Concen: 41.953 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
SSTDCCC040

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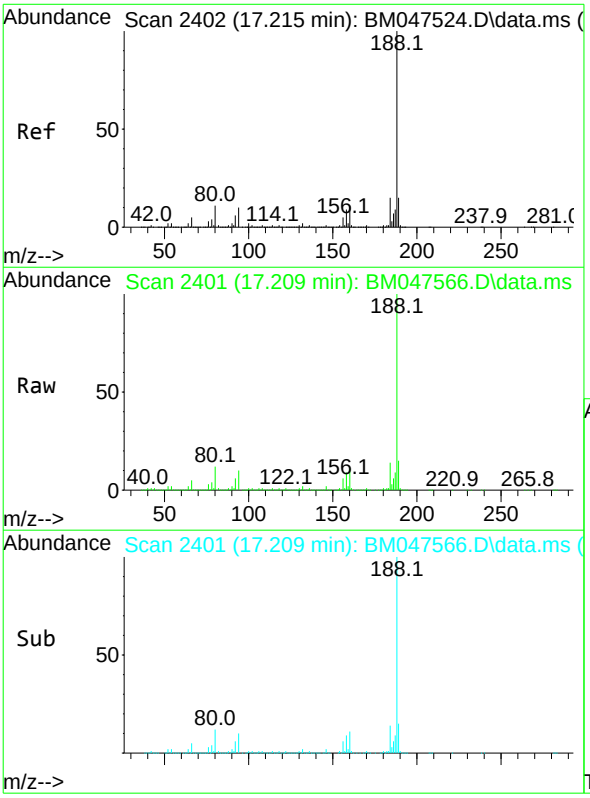
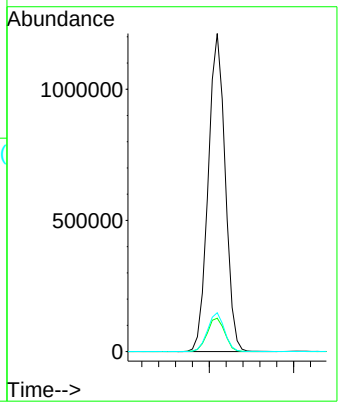
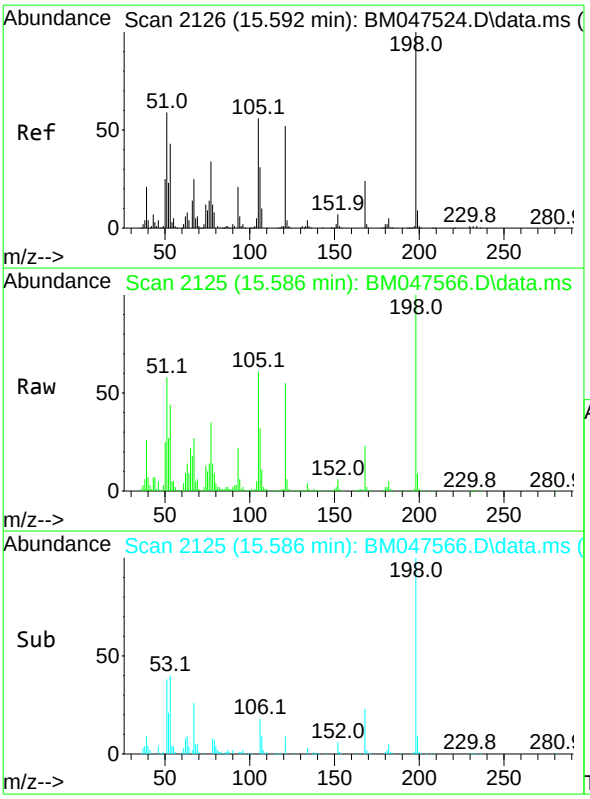


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

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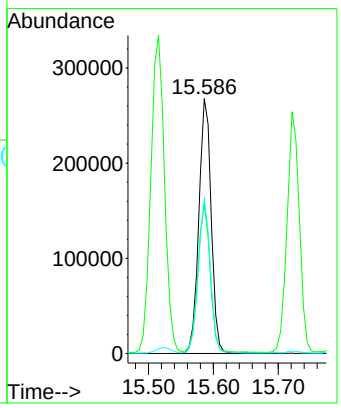
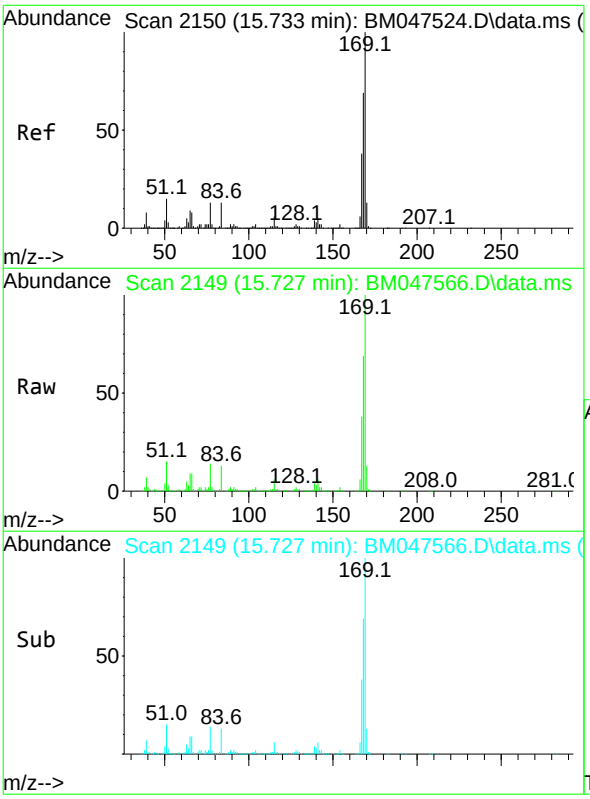
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

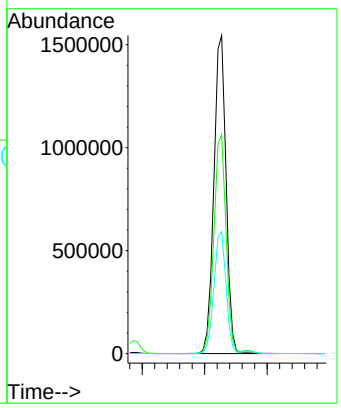


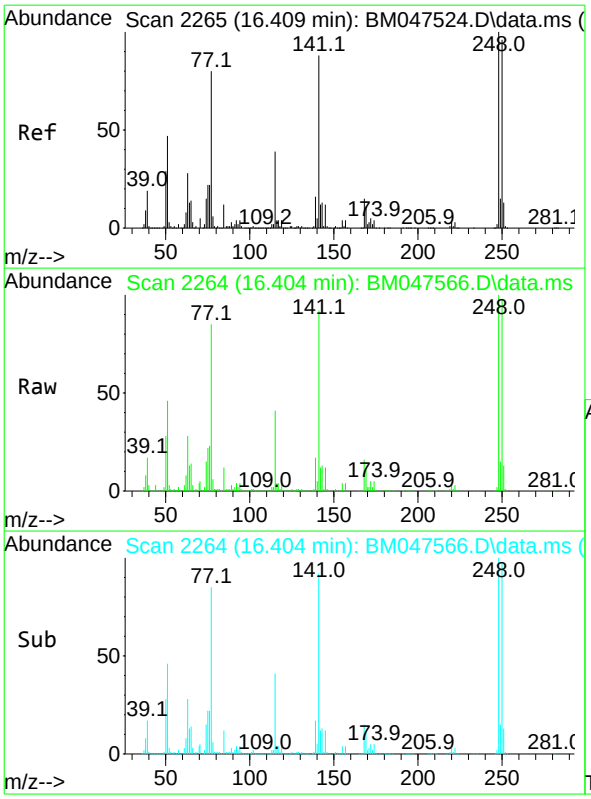


#66
n-Nitrosodiphenylamine
Concen: 40.138 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

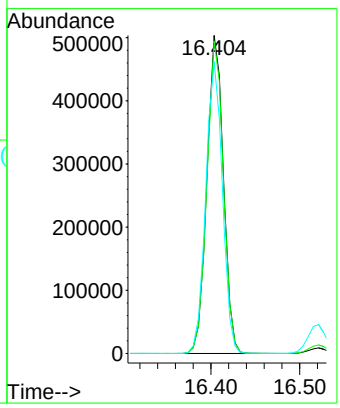




#67
4-Bromophenyl-phenylether
Concen: 39.463 ng
RT: 16.404 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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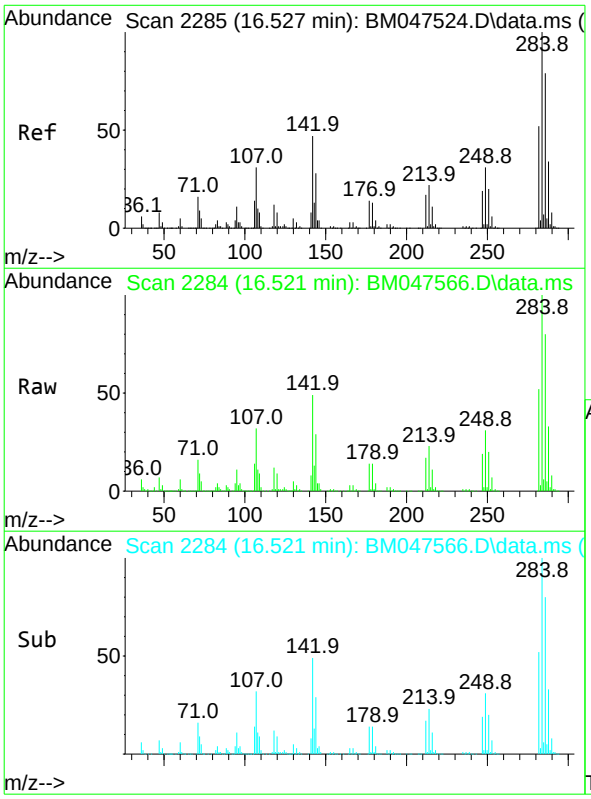
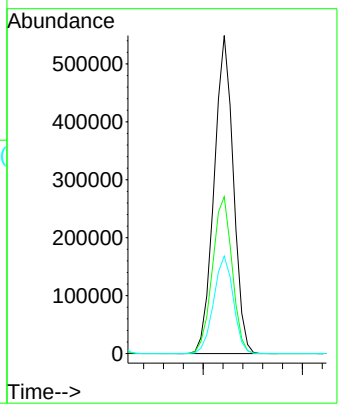
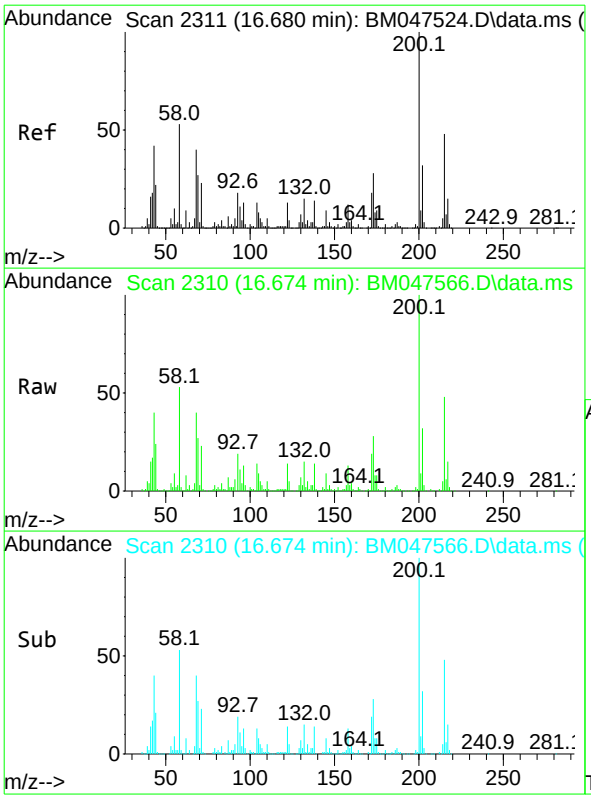


#68
Hexachlorobenzene
Concen: 39.554 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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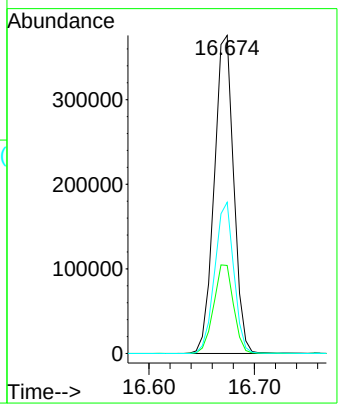
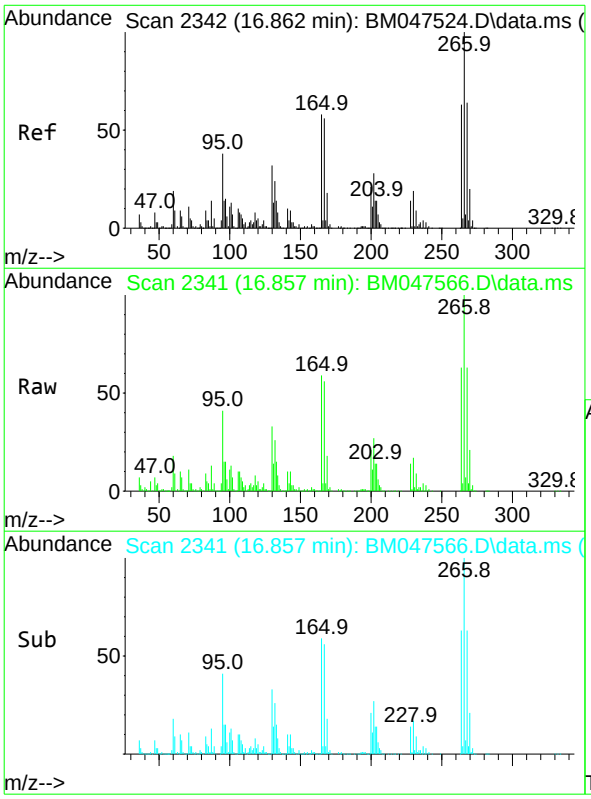
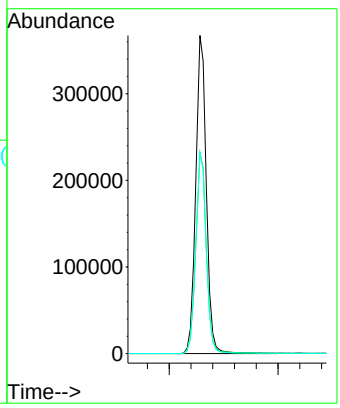


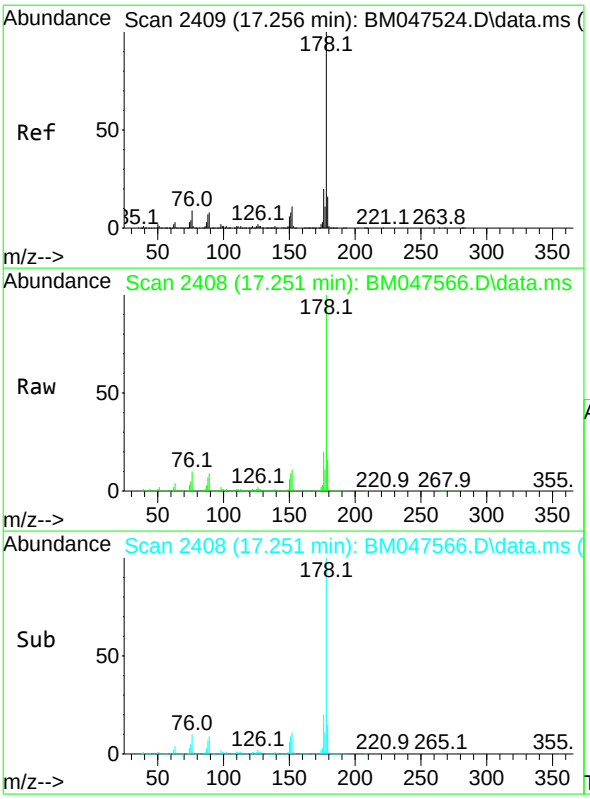


#70
Pentachlorophenol
Concen: 45.647 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

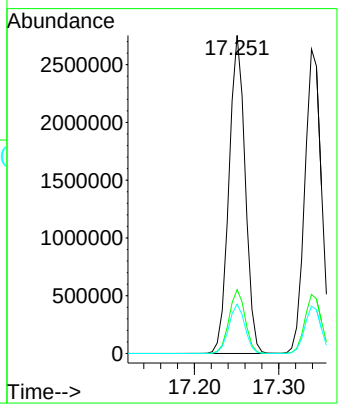




#71
Phenanthrene
Concen: 39.274 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
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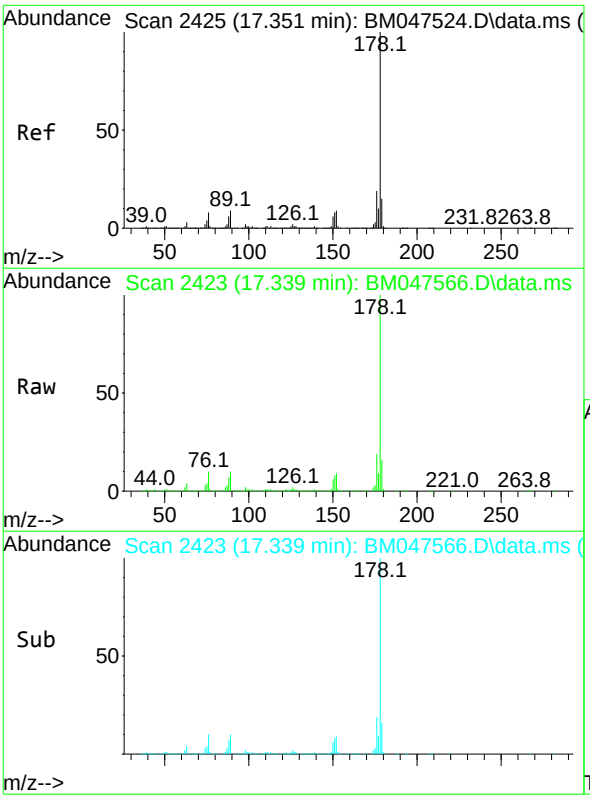
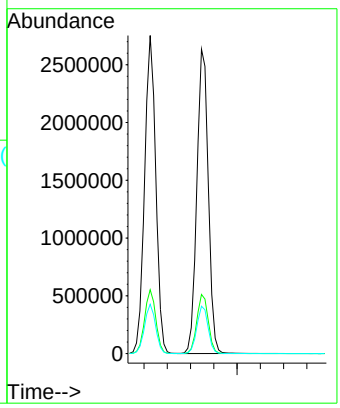
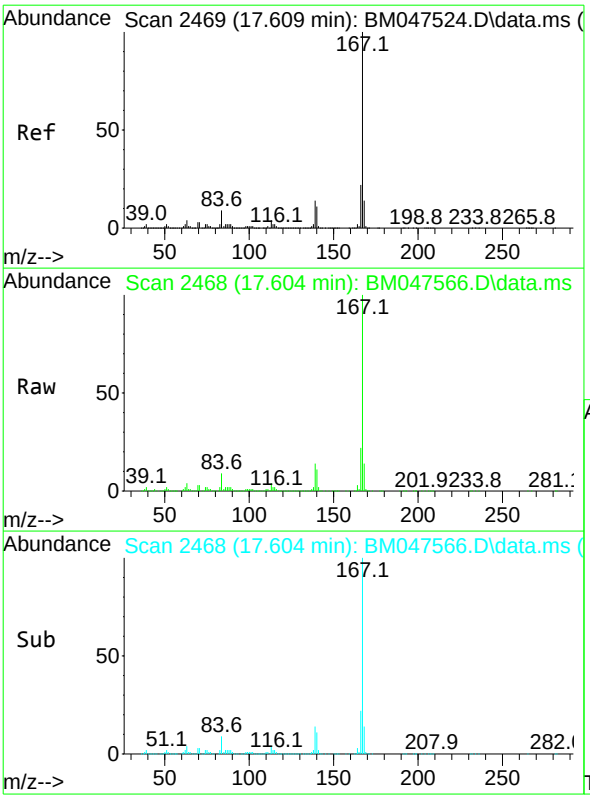


#72
Anthracene
Concen: 39.996 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

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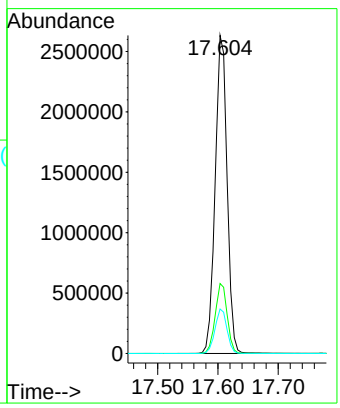
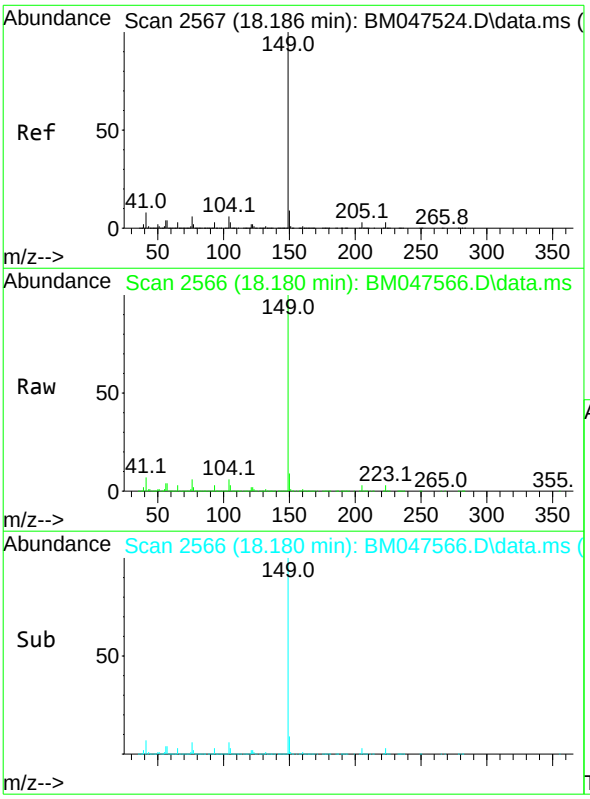
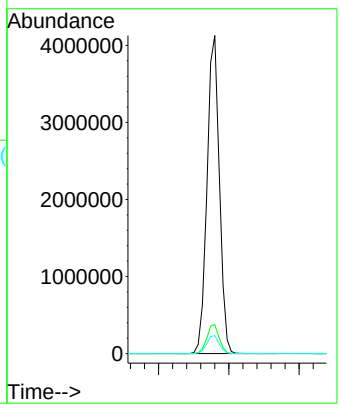


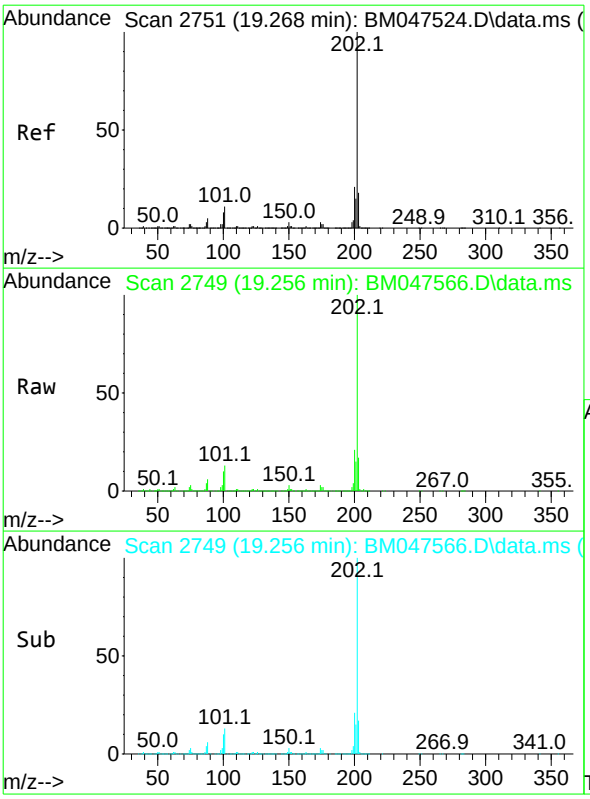


#74
Di-n-butylphthalate
Concen: 47.117 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
BNA_M
ClientSampleId :
SSTDCCC040

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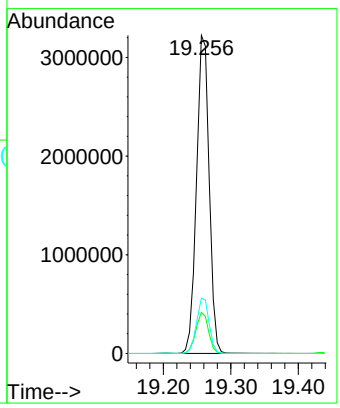
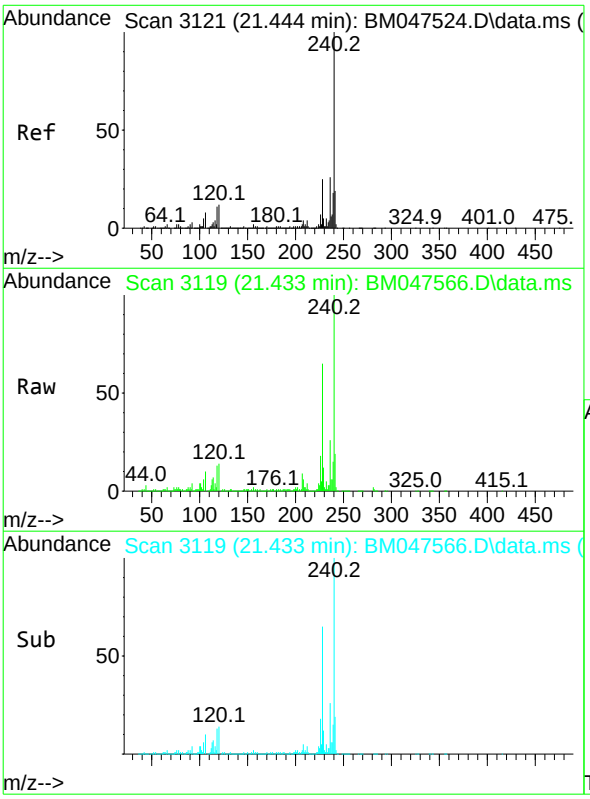
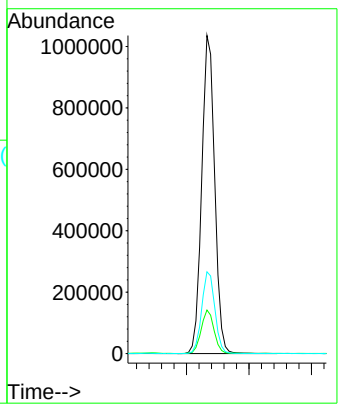


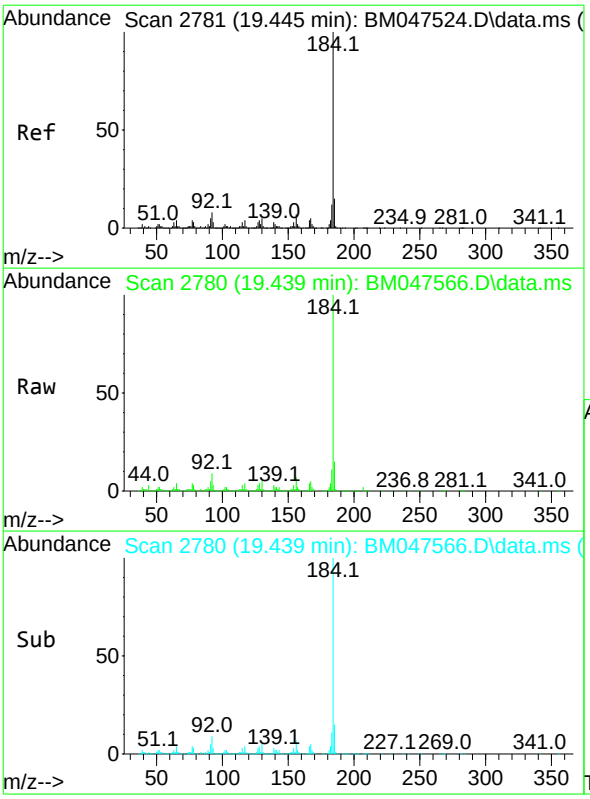


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Manual Integrations
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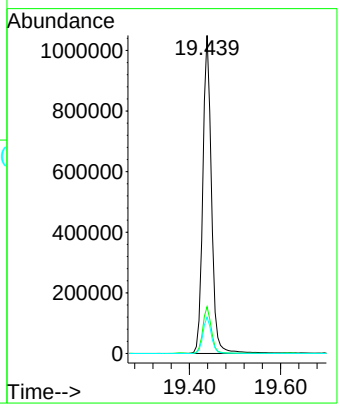
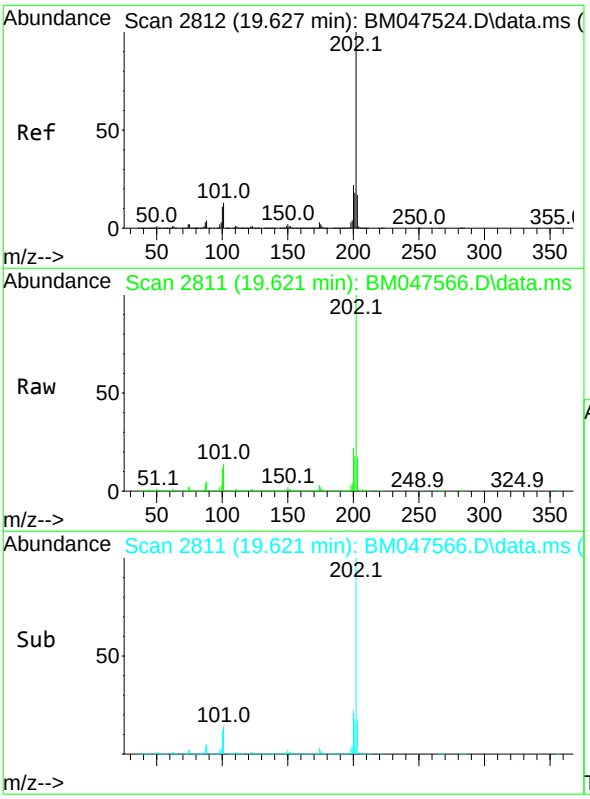
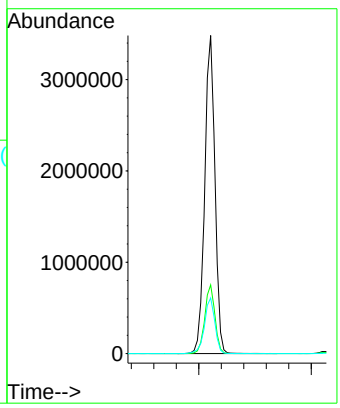


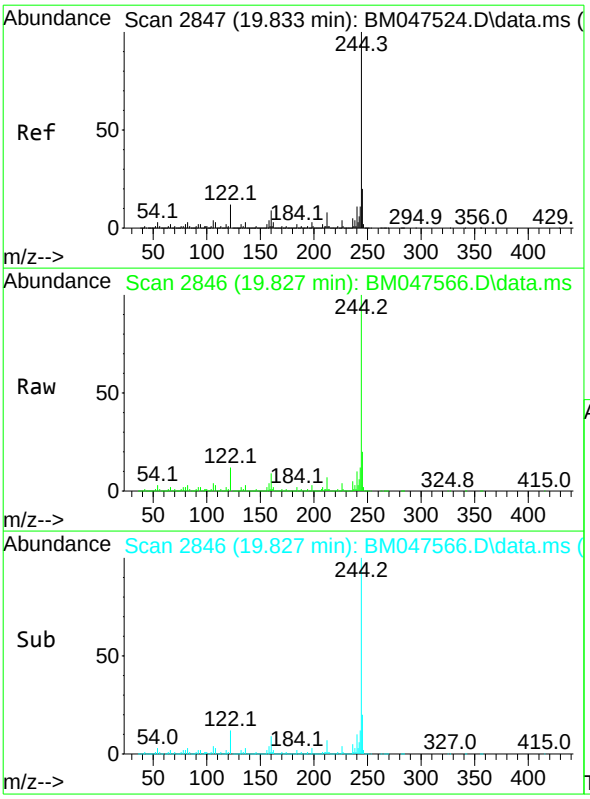


#78
Pyrene
Concen: 40.414 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

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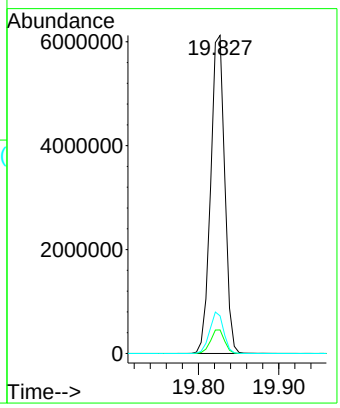
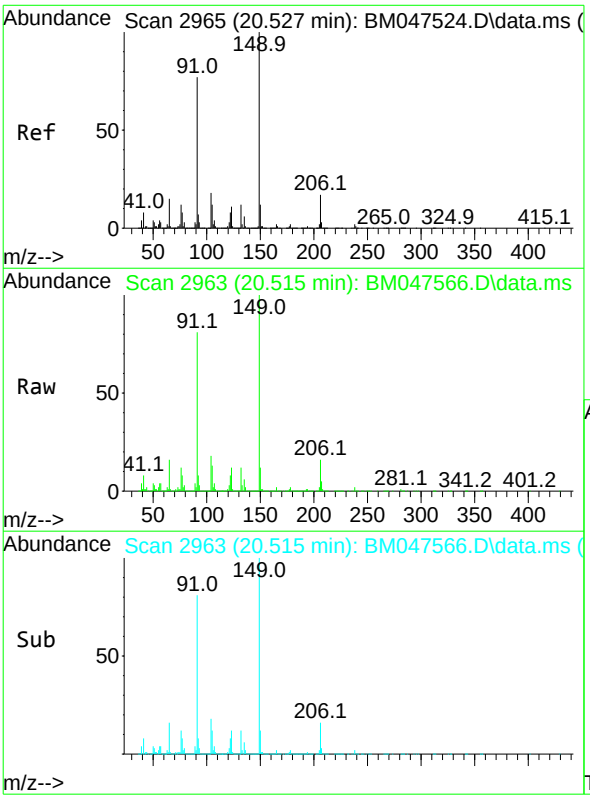
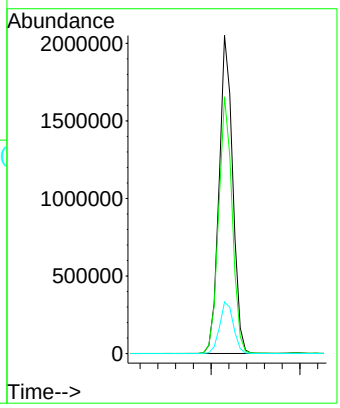


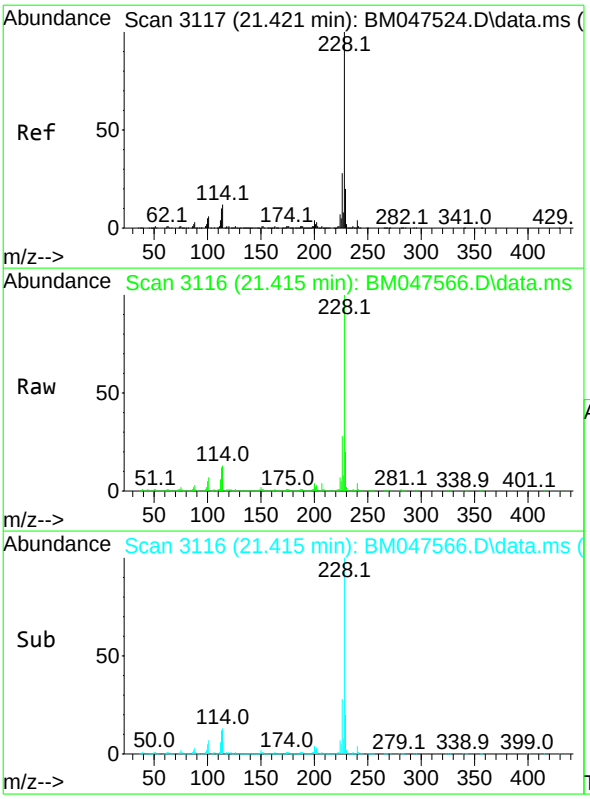


#80
Butylbenzylphthalate
Concen: 51.985 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

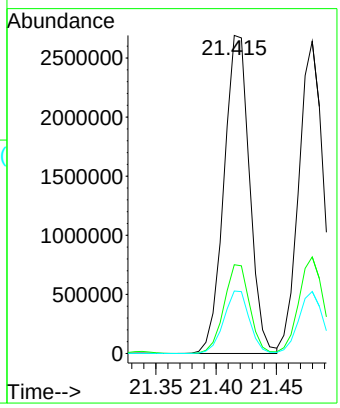




#81
Benzo(a)anthracene
Concen: 41.003 ng
RT: 21.415 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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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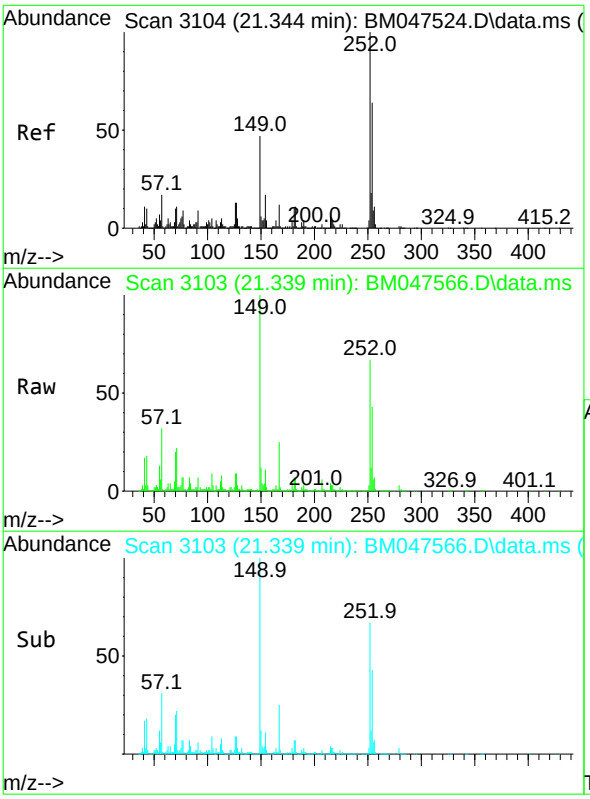
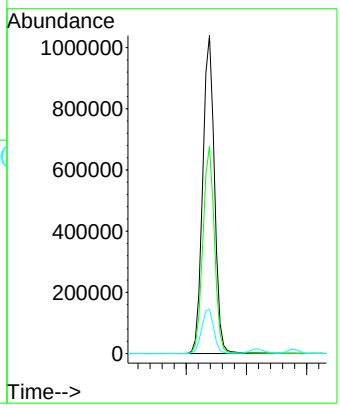
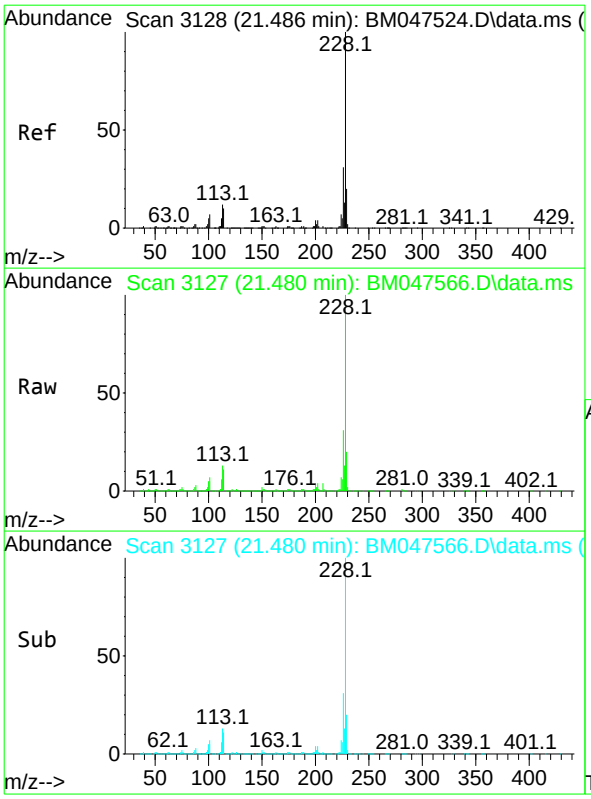


#82
3,3'-Dichlorobenzidine
Concen: 54.316 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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 :
SSTDCCC040

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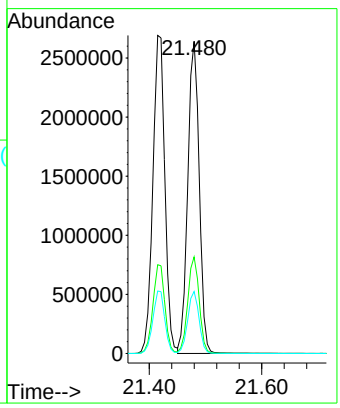
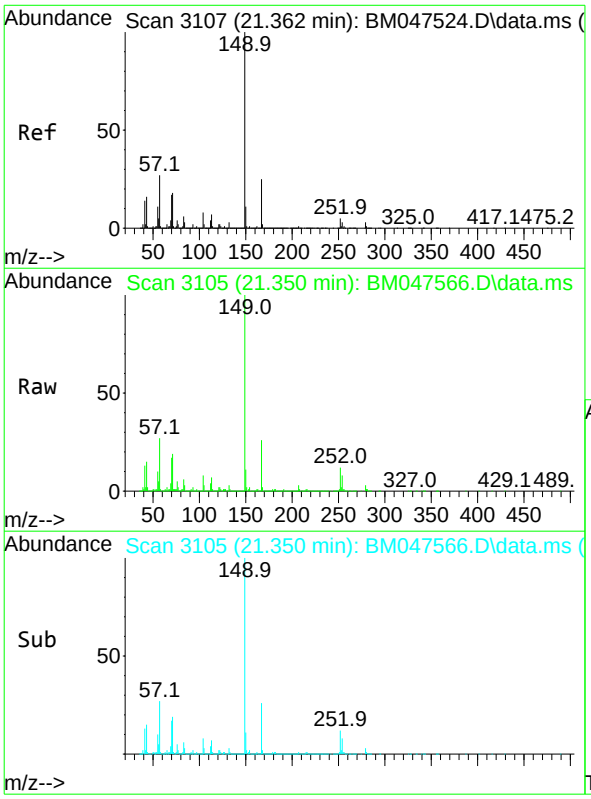
Supervised By :mohammad ahmed 09/22/2024

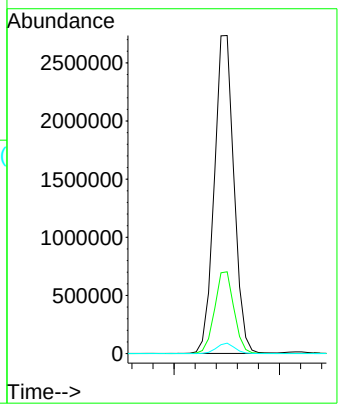


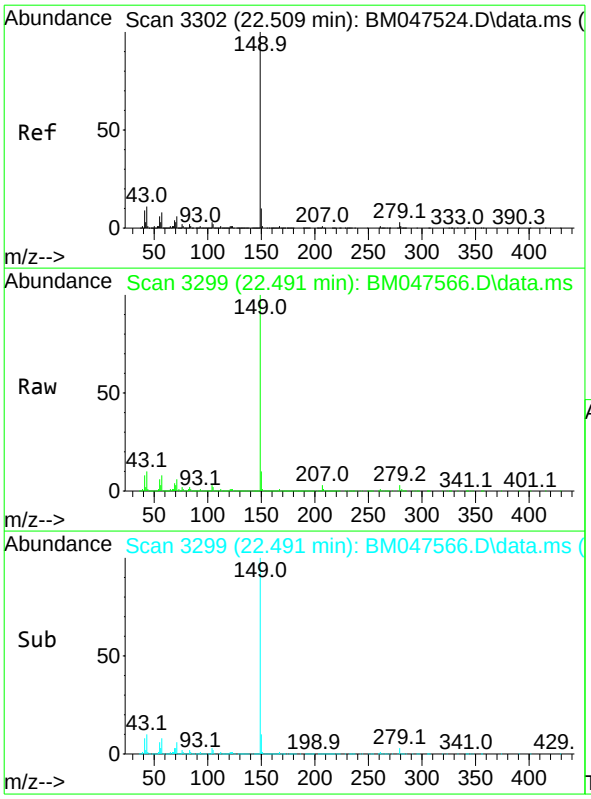


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.928 ng
RT: 21.350 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

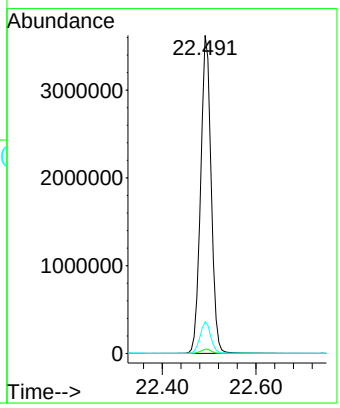




#85
Di-n-octyl phthalate
Concen: 60.483 ng
RT: 22.491 min Scan# 32
Delta R.T. -0.018 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 5614359

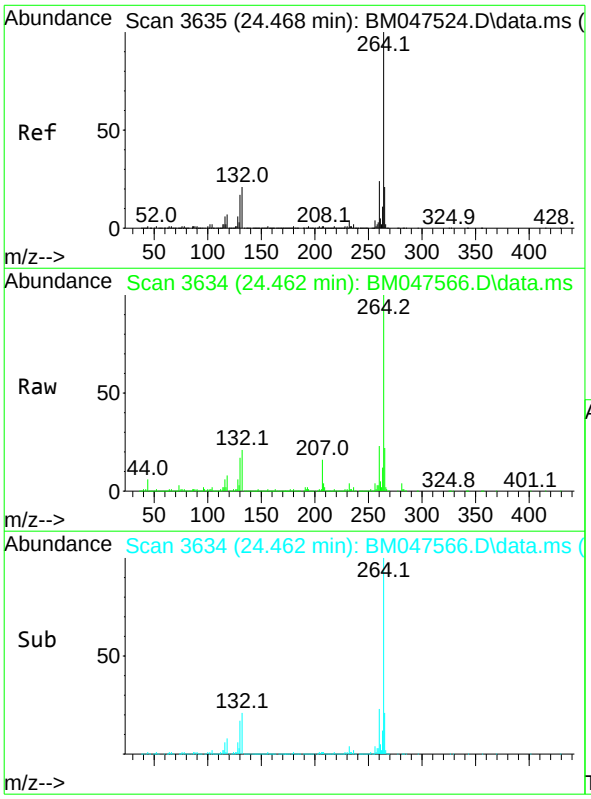
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.1	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

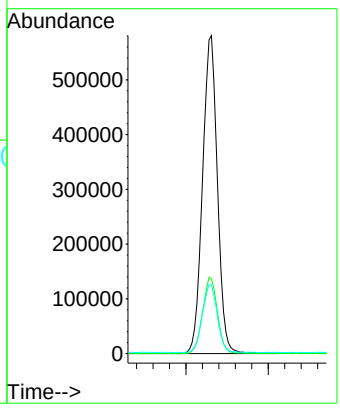
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

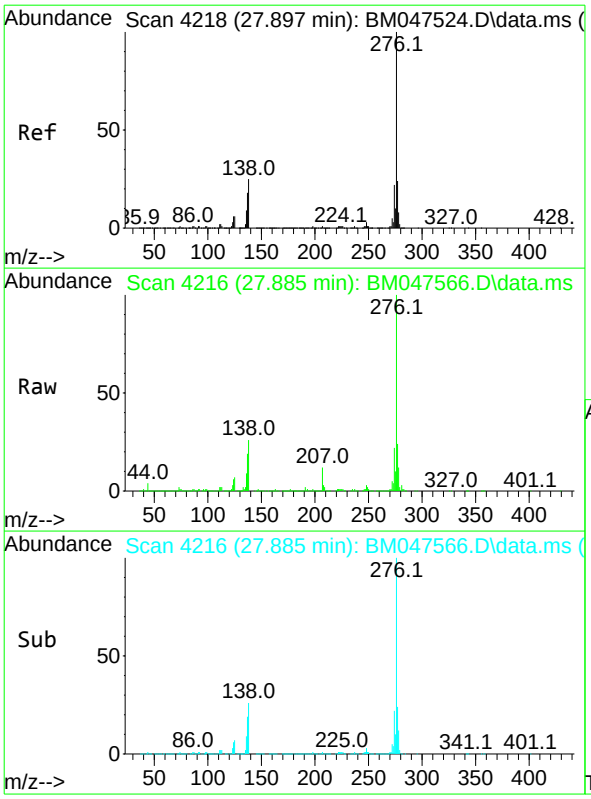


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

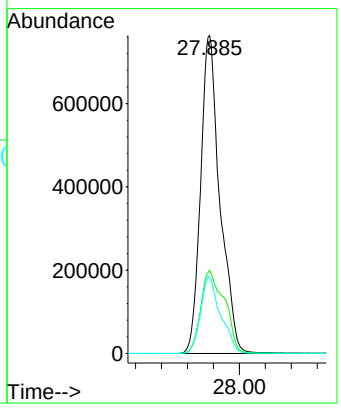
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

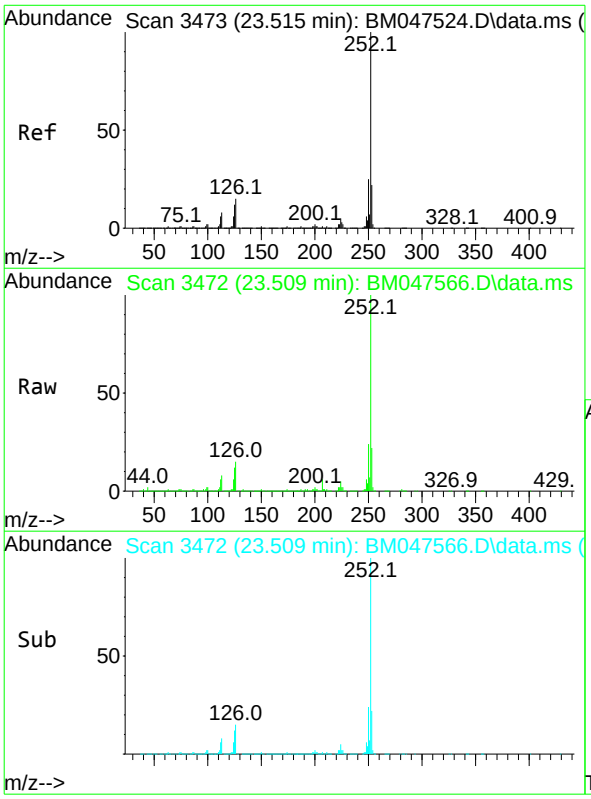
Tgt Ion:276 Resp: 3952483

Ion	Ratio	Lower	Upper
276	100		
138	32.0	25.0	37.6
277	25.1	20.1	30.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

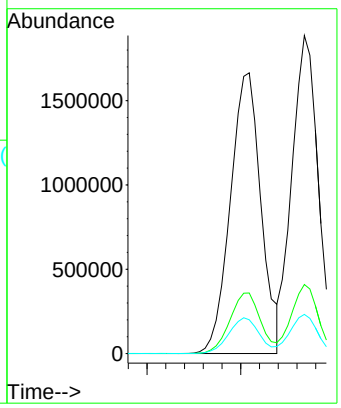


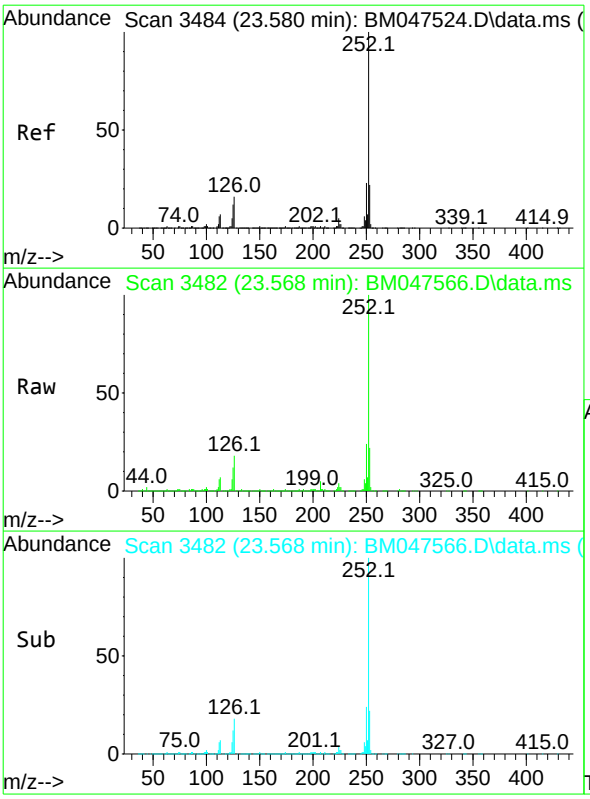


#88
Benzo(b)fluoranthene
Concen: 40.137 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

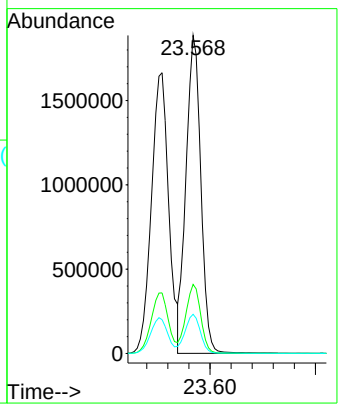
Tgt Ion:252 Resp: 3675308

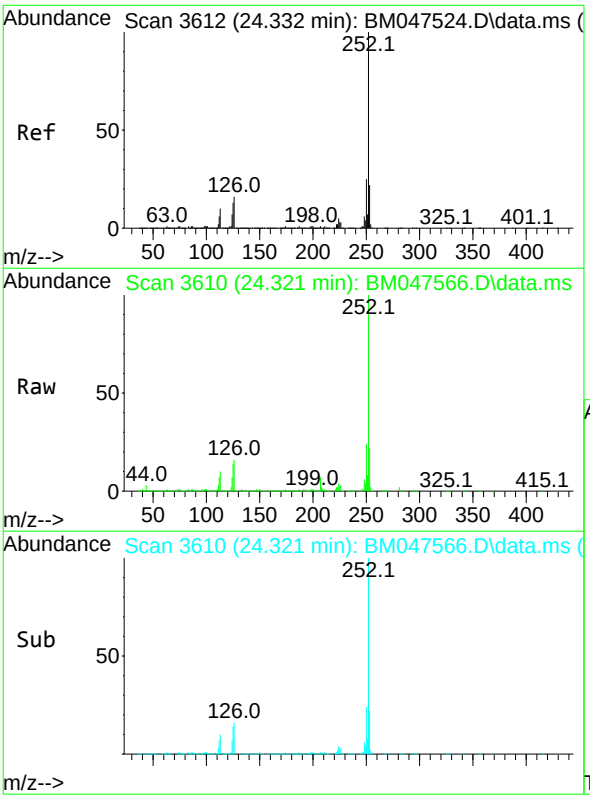
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.3	9.5	14.3

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

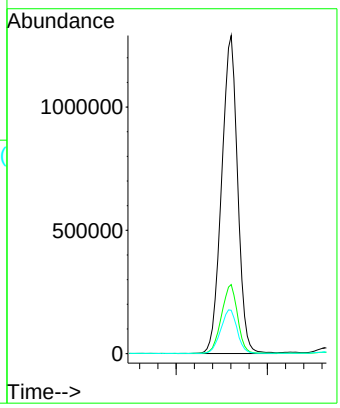


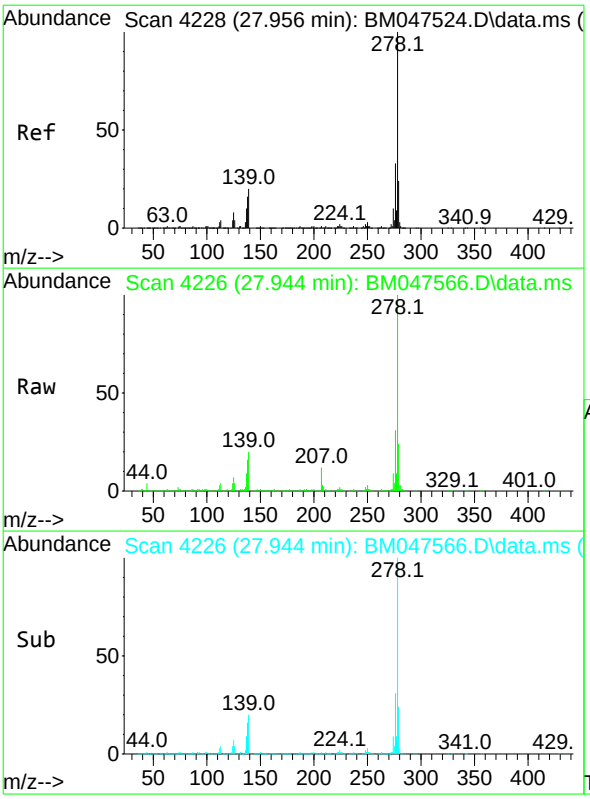


#90
Benzo(a)pyrene
Concen: 40.750 ng
RT: 24.321 min Scan# 3610
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

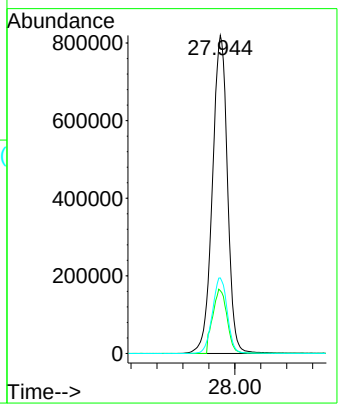
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

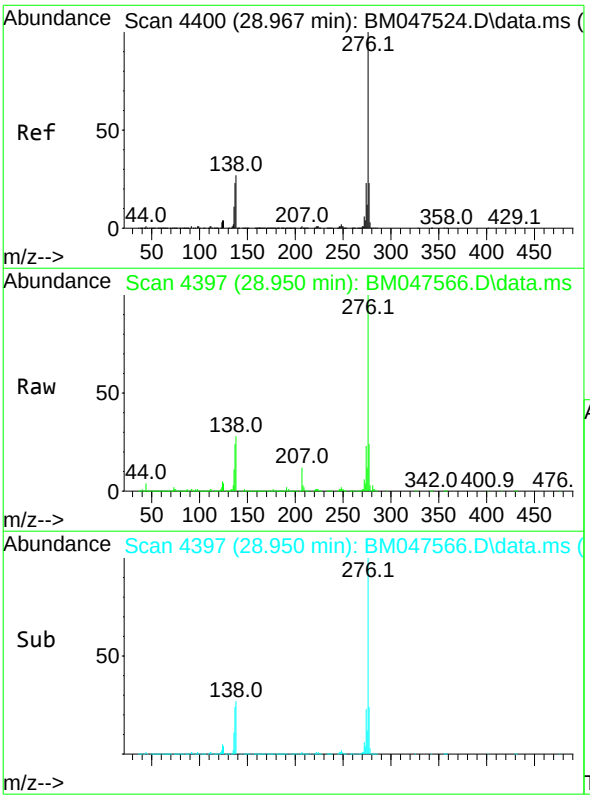
Tgt Ion:278 Resp: 3306709

Ion	Ratio	Lower	Upper
278	100		
139	19.7	15.9	23.9
279	23.8	19.3	28.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

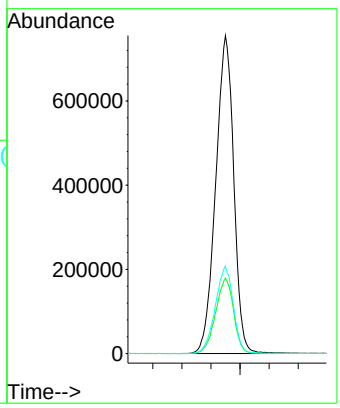




#92
Benzo(g,h,i)perylene
Concen: 45.311 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.018 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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



Sample Results: **BM047566.D**

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

Sample Results: **BM047566.D**

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

Sample Results: **BM047566.D**

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

Sample Results: **BM047566.D**

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)
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

Sample Results: **BM047566.D**

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

Sample Results: **BM047566.D**

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

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: 09/23/2024 09:42

Lab File ID: BM047598.D Init. Calib. Date(s): 09/20/2024 09/20/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:40 14:17

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.305	1.278		-2.1	
Phenol-d6	1.720	1.696		-1.4	
Nitrobenzene-d5	0.402	0.396		-1.5	
2-Fluorobiphenyl	1.413	1.414		0.1	
2,4,6-Tribromophenol	0.185	0.179		-3.2	
Atrazine	0.144	0.155		7.6	
Terphenyl-d14	1.115	1.153		3.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

09/25/2024
Supervised By :mohammad ahmed

09/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	308343	20.000	ng		0.00
21) Naphthalene-d8	10.639	136	1217067	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	646829	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	1210247	20.000	ng		0.00
76) Chrysene-d12	21.433	240	1086931	20.000	ng		0.00
86) Perylene-d12	24.456	264	1099777	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	1576792	78.366	ng		0.00
7) Phenol-d6	7.004	99	2092341	78.920	ng		0.00
23) Nitrobenzene-d5	8.998	82	1929427	78.917	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	464366	77.531	ng		0.00
45) 2-Fluorobiphenyl	13.098	172	3657840	80.017	ng		0.00
79) Terphenyl-d14	19.827	244	5013092	82.754	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	333936	38.117	ng		100
3) Pyridine	3.710	79	952561	39.223	ng		99
4) n-Nitrosodimethylamine	3.616	42	388942	38.625	ng		99
6) Aniline	7.169	93	878308	38.671	ng		99
8) 2-Chlorophenol	7.410	128	823128	39.077	ng		98
9) Benzaldehyde	6.981	77	469070	34.672	ng		99
10) Phenol	7.028	94	1034229	39.287	ng		100
11) bis(2-Chloroethyl)ether	7.263	93	822216	38.860	ng		99
12) 1,3-Dichlorobenzene	7.734	146	899354	38.608	ng		99
13) 1,4-Dichlorobenzene	7.881	146	910985	38.649	ng		97
14) 1,2-Dichlorobenzene	8.198	146	882171	38.828	ng		98
15) Benzyl Alcohol	8.075	79	668465	39.078	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.369	45	1027855m	38.112	ng		
17) 2-Methylphenol	8.281	107	651034	39.349	ng		98
18) Hexachloroethane	8.928	117	366410	38.333	ng		100
19) n-Nitroso-di-n-propyla...	8.651	70	637893	39.280	ng		98
20) 3+4-Methylphenols	8.610	107	882689	39.169	ng		99
22) Acetophenone	8.663	105	1234782	38.942	ng	#	98
24) Nitrobenzene	9.039	77	984808	38.999	ng		98
25) Isophorone	9.569	82	1598148	39.115	ng		99
26) 2-Nitrophenol	9.751	139	350920	39.524	ng		97
27) 2,4-Dimethylphenol	9.810	122	497634	39.321	ng		99
28) bis(2-Chloroethoxy)met...	10.045	93	1030485	39.204	ng		98
29) 2,4-Dichlorophenol	10.280	162	638267	39.895	ng		99
30) 1,2,4-Trichlorobenzene	10.504	180	705850	38.708	ng		100
31) Naphthalene	10.686	128	2511110	38.998	ng		100
32) Benzoic acid	9.928	122	471676	39.981	ng		99
33) 4-Chloroaniline	10.792	127	895560	39.450	ng		99
34) Hexachlorobutadiene	10.980	225	384867	38.784	ng		99
35) Caprolactam	11.563	113	219471	39.687	ng		99
36) 4-Chloro-3-methylphenol	11.916	107	727639	39.862	ng		100
37) 2-Methylnaphthalene	12.298	142	1597704	39.495	ng		100
38) 1-Methylnaphthalene	12.521	142	1576373	39.280	ng		100
40) 1,2,4,5-Tetrachloroben...	12.669	216	666700	39.058	ng		99
41) Hexachlorocyclopentadiene	12.657	237	224795	39.889	ng		97
43) 2,4,6-Trichlorophenol	12.904	196	444051	40.028	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
09/25/2024
Supervised By :mohammad ahmed
09/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	502082	40.265	ng		97
46) 1,1'-Biphenyl	13.310	154	1974036	39.518	ng		100
47) 2-Chloronaphthalene	13.351	162	1530881	39.167	ng		100
48) 2-Nitroaniline	13.545	65	470917	40.339	ng		99
49) Acenaphthylene	14.198	152	2222048	39.505	ng		100
50) Dimethylphthalate	13.933	163	1738521	38.928	ng		99
51) 2,6-Dinitrotoluene	14.039	165	380095	40.622	ng		95
52) Acenaphthene	14.539	154	1453822m	39.124	ng		
53) 3-Nitroaniline	14.368	138	438097	40.823	ng		98
54) 2,4-Dinitrophenol	14.574	184	165009	38.901	ng		91
55) Dibenzofuran	14.868	168	2130346	39.231	ng		100
56) 4-Nitrophenol	14.668	139	377862	41.090	ng		95
57) 2,4-Dinitrotoluene	14.827	165	512594	41.112	ng		97
58) Fluorene	15.521	166	1910907	39.761	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	375287	39.372	ng		100
60) Diethylphthalate	15.292	149	1862510	39.118	ng		99
61) 4-Chlorophenyl-phenyle...	15.515	204	829165	39.485	ng		100
62) 4-Nitroaniline	15.527	138	509868	42.166	ng		99
63) Azobenzene	15.804	77	2079601	39.952	ng		99
65) 4,6-Dinitro-2-methylph...	15.586	198	225341	39.295	ng		98
66) n-Nitrosodiphenylamine	15.727	169	1419099	39.260	ng		100
67) 4-Bromophenyl-phenylether	16.404	248	432078	39.301	ng		98
68) Hexachlorobenzene	16.521	284	500091	38.910	ng		96
69) Atrazine	16.674	200	374694	43.058	ng		98
70) Pentachlorophenol	16.856	266	326089	40.424	ng		99
71) Phenanthrene	17.251	178	2591290	39.445	ng		100
72) Anthracene	17.339	178	2479458	39.836	ng		99
73) Carbazole	17.603	167	2565639	39.559	ng		100
74) Di-n-butylphthalate	18.174	149	3153449	40.199	ng		100
75) Fluoranthene	19.256	202	2877354	39.789	ng		99
77) Benzidine	19.439	184	895792	60.517	ng		99
78) Pyrene	19.621	202	3045880	40.038	ng		100
80) Butylbenzylphthalate	20.515	149	1341524	40.506	ng		95
81) Benzo(a)anthracene	21.415	228	2831607	39.620	ng		100
82) 3,3'-Dichlorobenzidine	21.339	252	929789	41.892	ng		100
83) Chrysene	21.480	228	2678086	39.403	ng		100
84) Bis(2-ethylhexyl)phtha...	21.344	149	2181408	41.180	ng		99
85) Di-n-octyl phthalate	22.491	149	3362011	41.129	ng		100
87) Indeno(1,2,3-cd)pyrene	27.879	276	2976827	39.363	ng	#	90
88) Benzo(b)fluoranthene	23.503	252	2718741	39.333	ng		100
89) Benzo(k)fluoranthene	23.568	252	2717860	40.055	ng		99
90) Benzo(a)pyrene	24.315	252	2328345	39.730	ng		99
91) Dibenzo(a,h)anthracene	27.932	278	2478771	39.240	ng		99
92) Benzo(g,h,i)perylene	28.944	276	2475534	39.103	ng		98

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

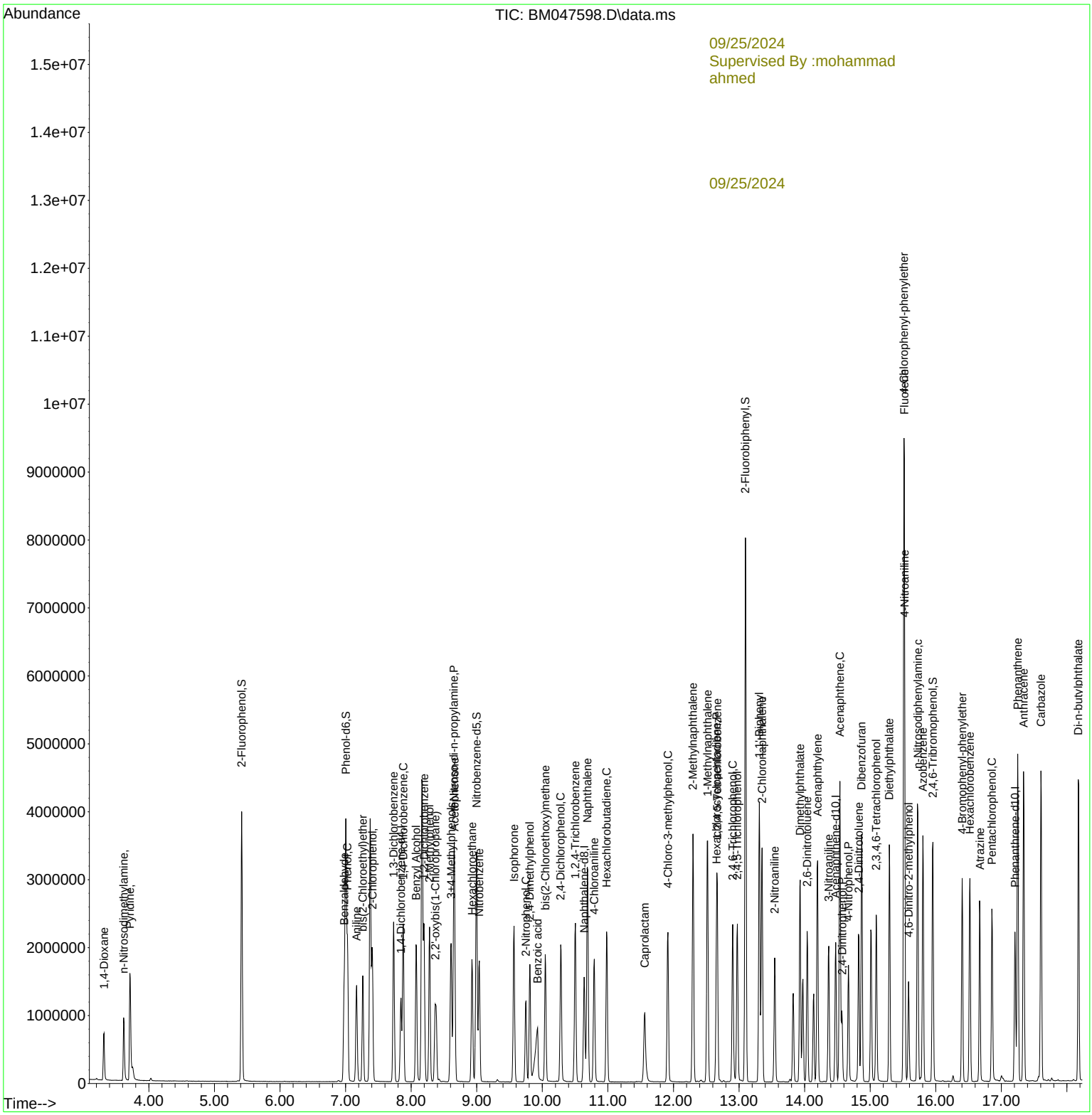
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel



Sample Results: **BM047598.D**

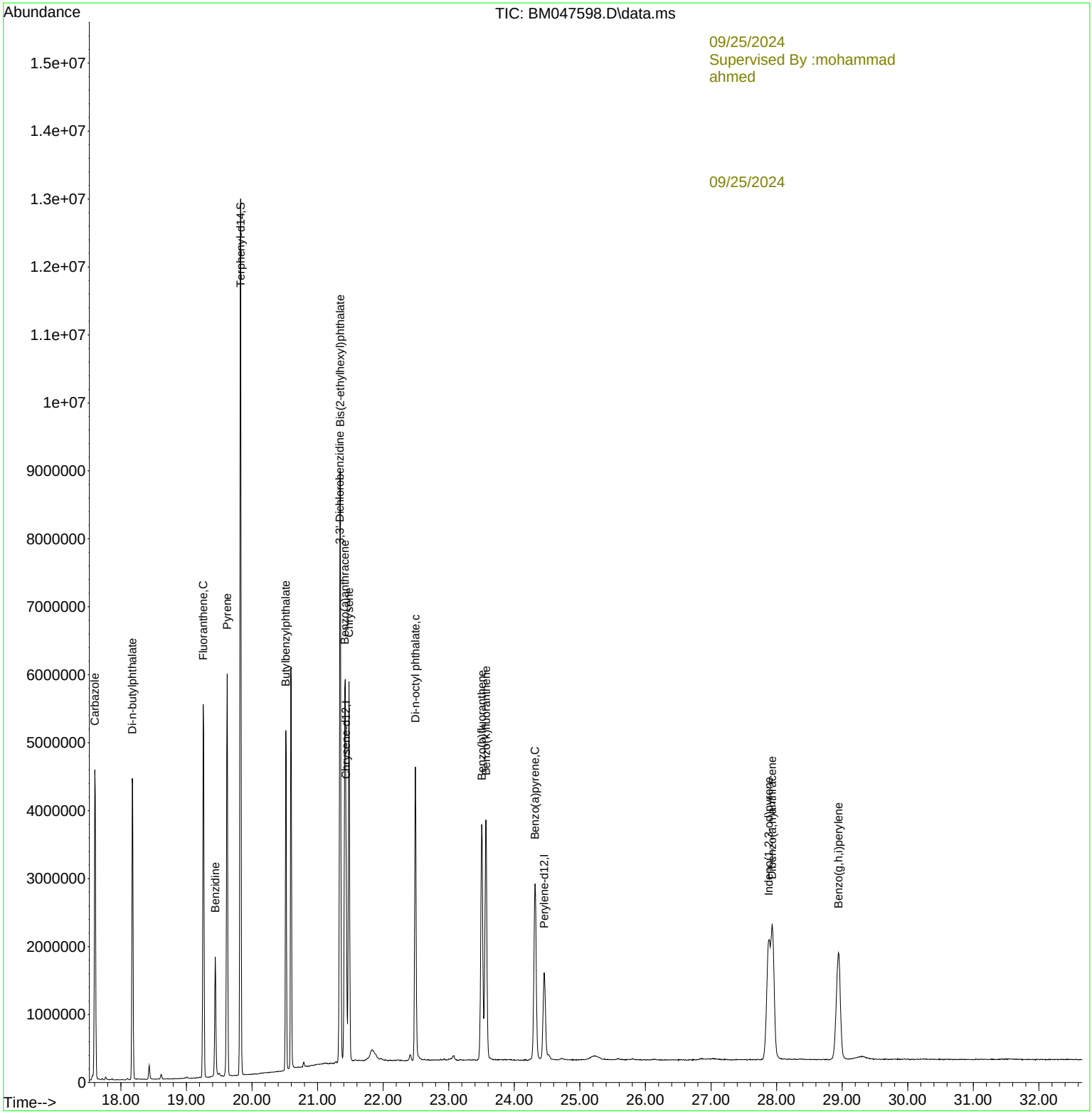
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

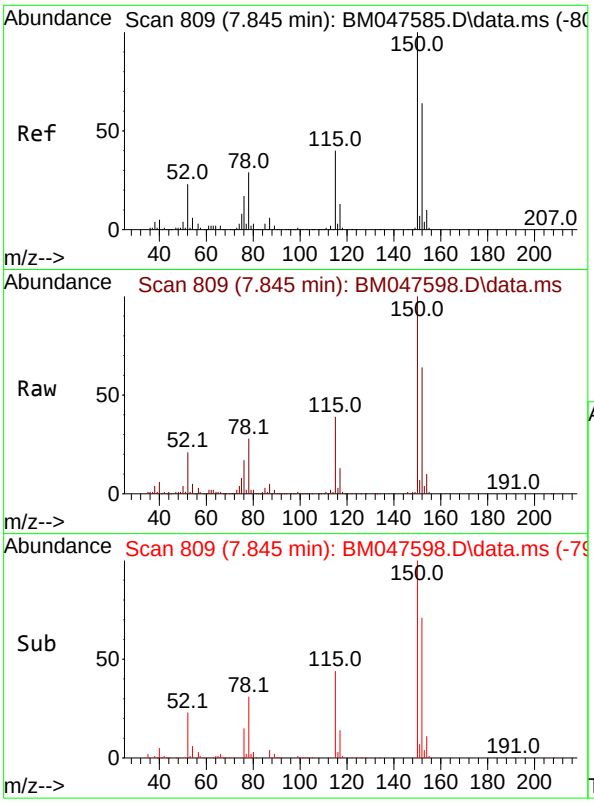
Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

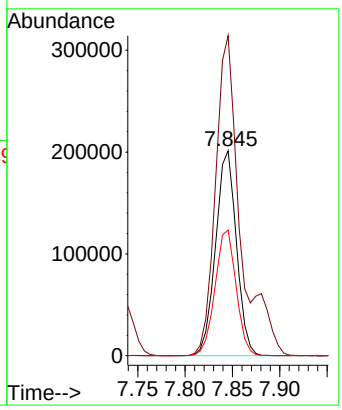




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:152 Resp: 30834

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.5	186.7
115	61.3	49.9	74.9



Instrument :
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ClientSampleId :
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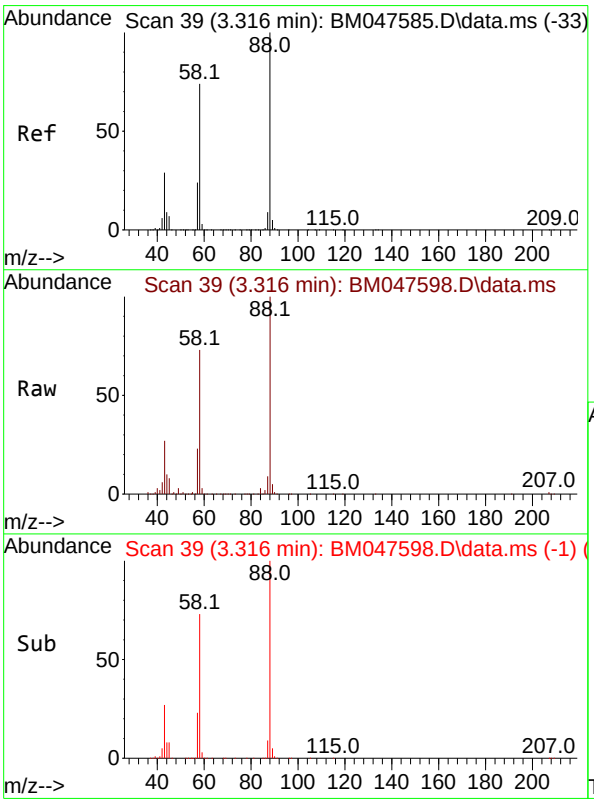
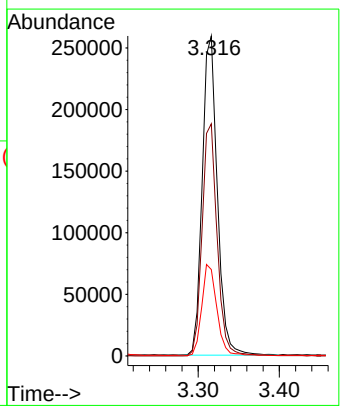
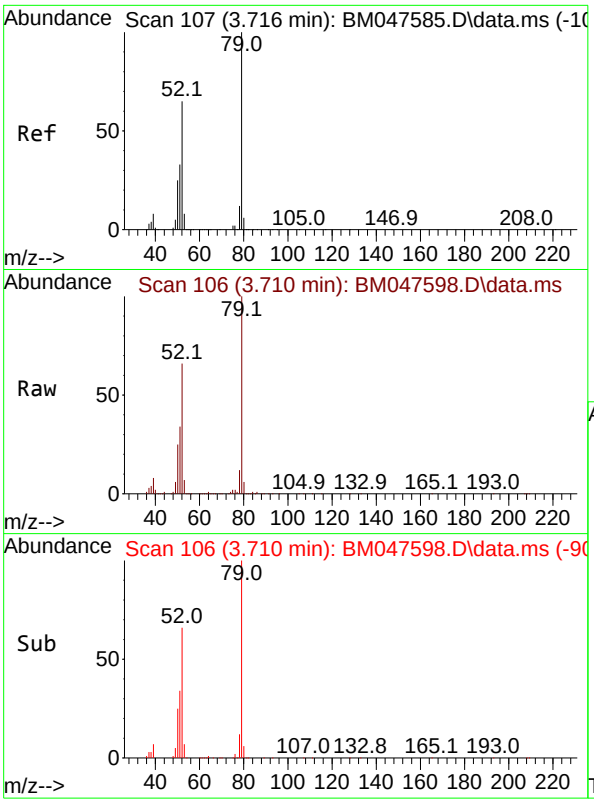


#2
1,4-Dioxane
Concen: 38.117 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 88 Resp: 333936

Ion	Ratio	Lower	Upper
88	100		
58	72.6	58.0	87.0
43	28.3	23.1	34.7

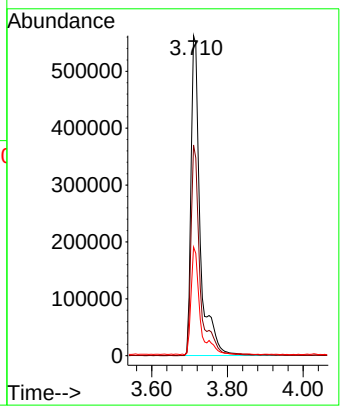




#3
Pyridine
Concen: 39.223 ng
RT: 3.710 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 79 Resp: 95256

Ion	Ratio	Lower	Upper
79	100		
52	65.8	52.2	78.2
51	34.0	26.5	39.7



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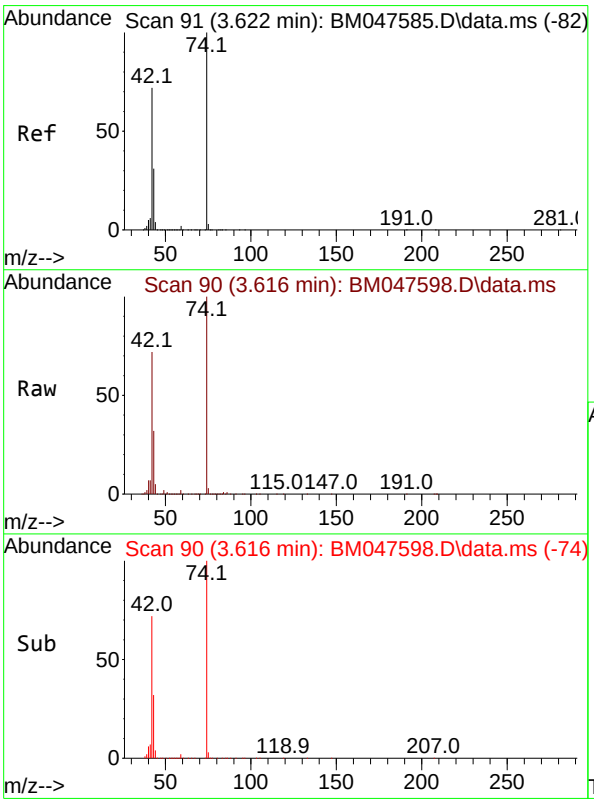
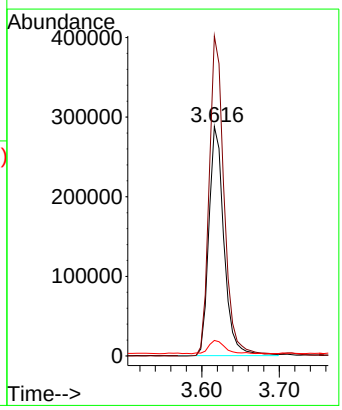
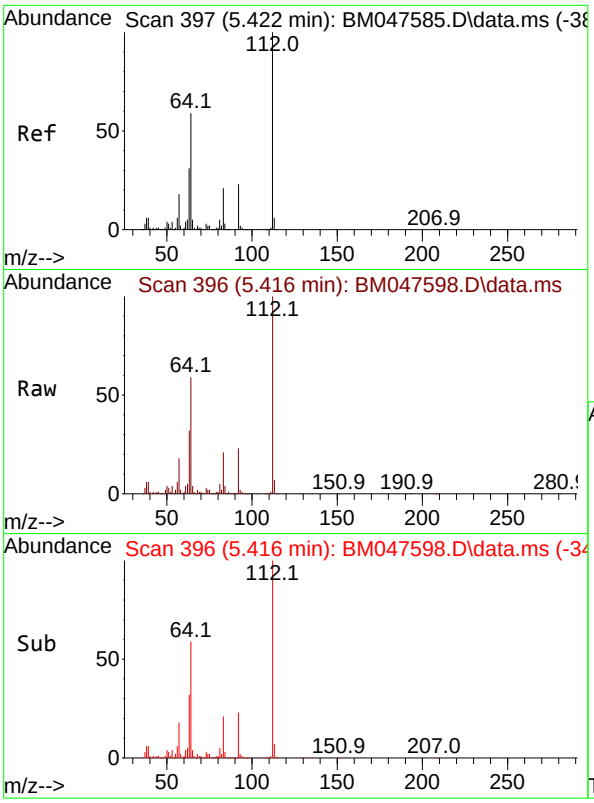


#4
n-Nitrosodimethylamine
Concen: 38.625 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 42 Resp: 388942

Ion	Ratio	Lower	Upper
42	100		
74	139.4	110.8	166.2
44	6.7	6.1	9.1





#5
2-Fluorophenol
Concen: 78.366 ng
RT: 5.416 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:112 Resp: 157679

Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.8	70.2
63	31.8	25.2	37.8

Instrument :
BNA_M
ClientSampleId :
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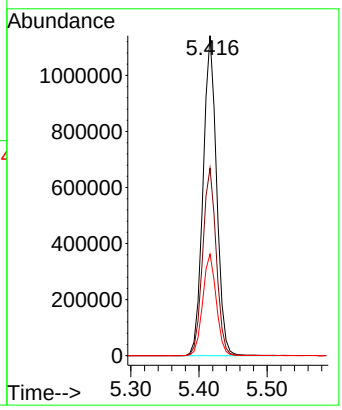

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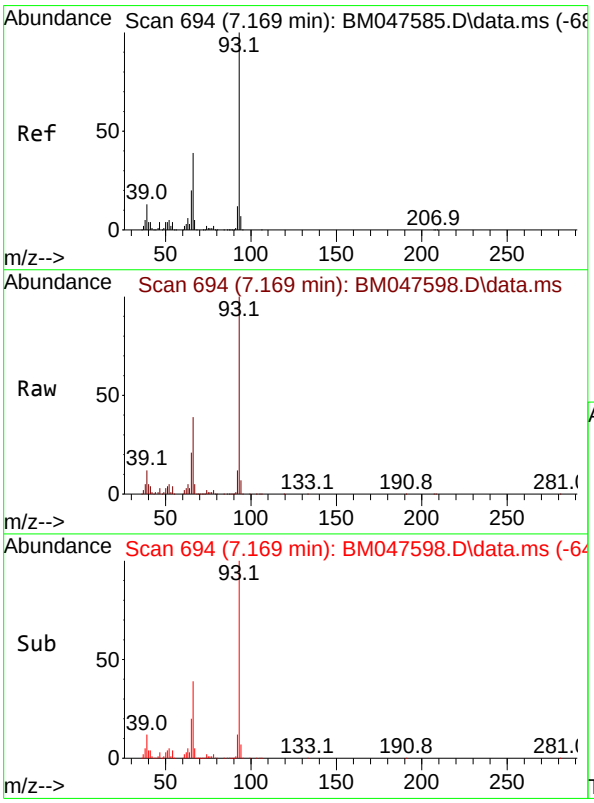
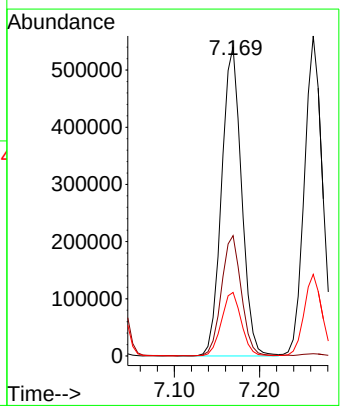
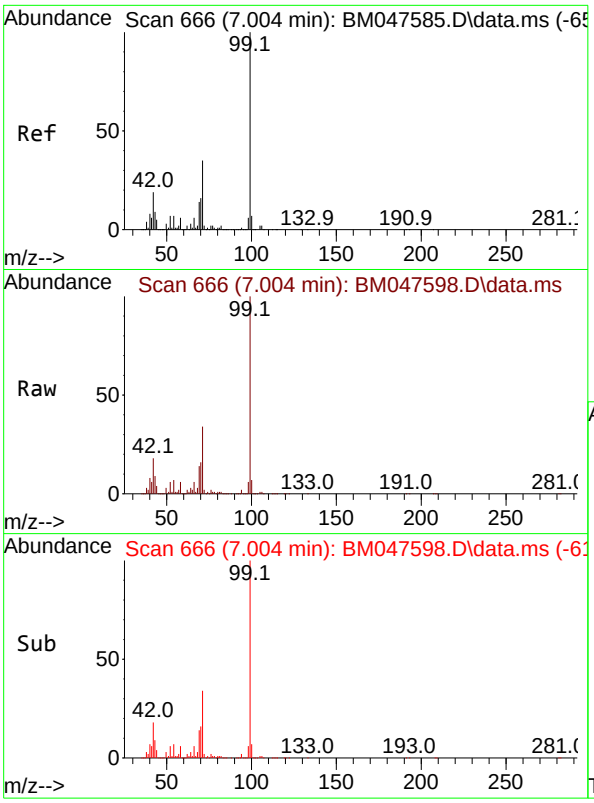


#6
Aniline
Concen: 38.671 ng
RT: 7.169 min Scan# 694
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 93 Resp: 878308

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.4	47.0
65	20.5	16.2	24.2

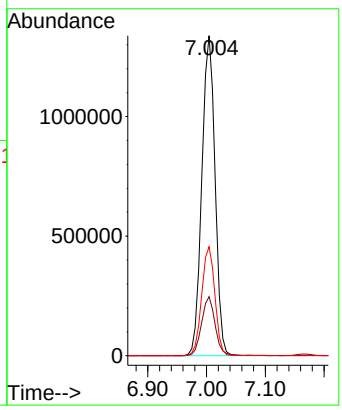




#7
Phenol-d6
Concen: 78.920 ng
RT: 7.004 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 99 Resp: 209234

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.3	22.9
71	34.0	27.8	41.6



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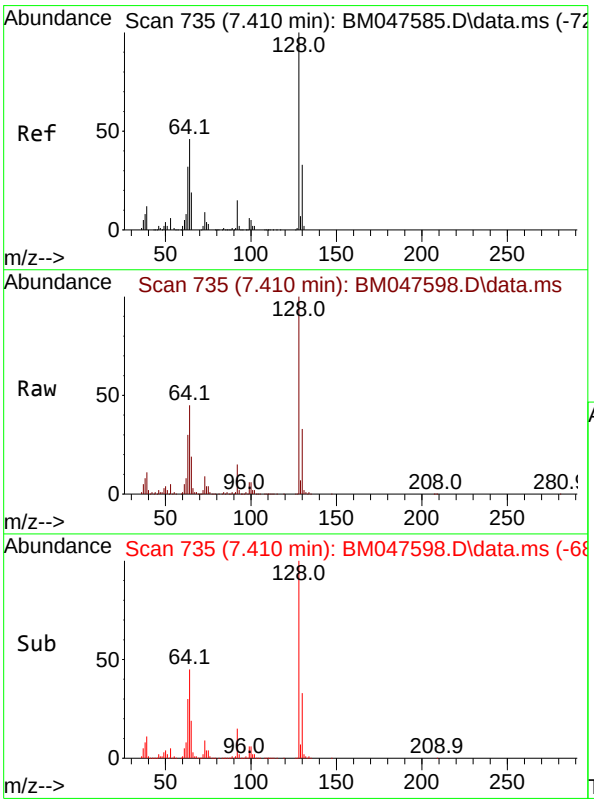
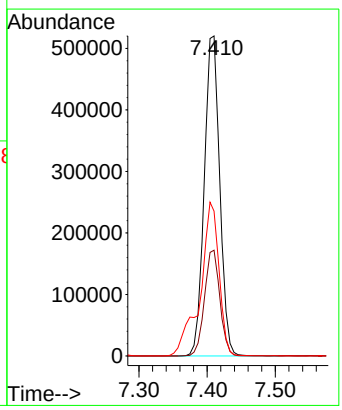
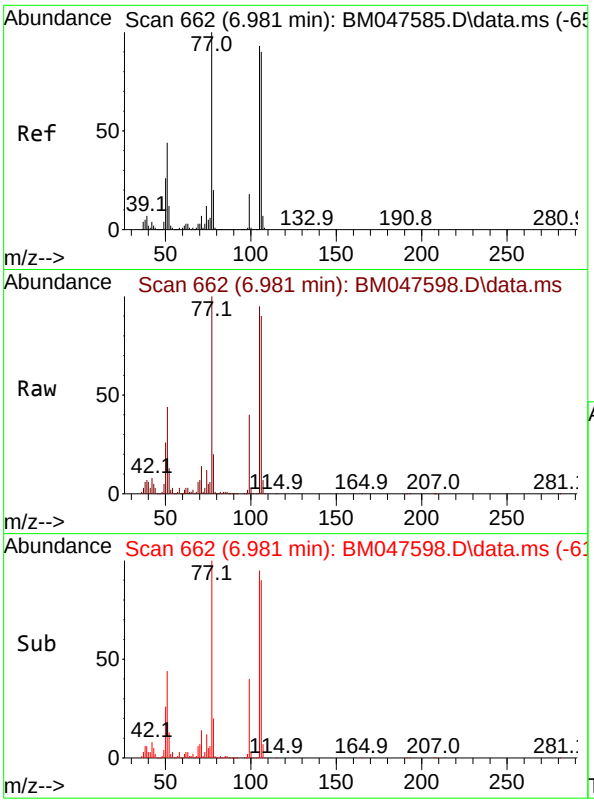


#8
2-Chlorophenol
Concen: 39.077 ng
RT: 7.410 min Scan# 735
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:128 Resp: 823128

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	45.3	27.6	67.6

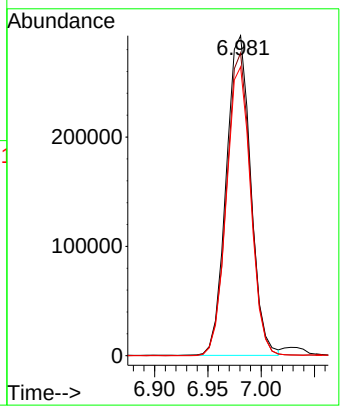




#9
Benzaldehyde
Concen: 34.672 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 77 Resp: 46907

Ion	Ratio	Lower	Upper
77	100		
105	94.6	73.0	113.0
106	90.3	70.3	110.3



Instrument :
BNA_M
ClientSampleId :
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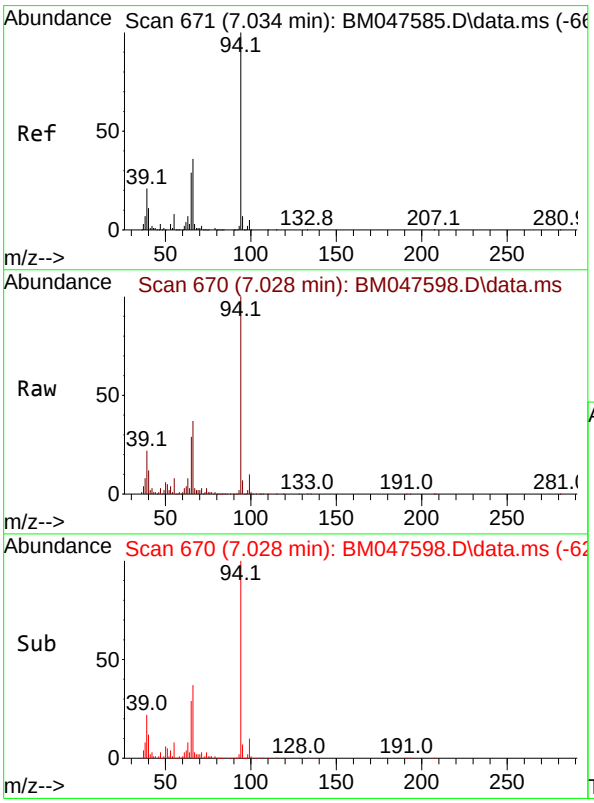
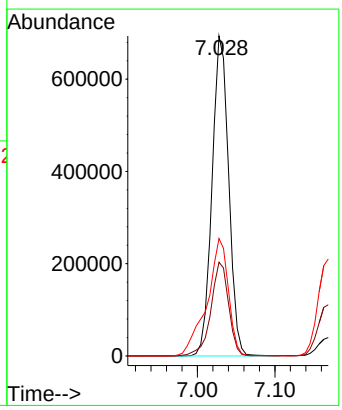
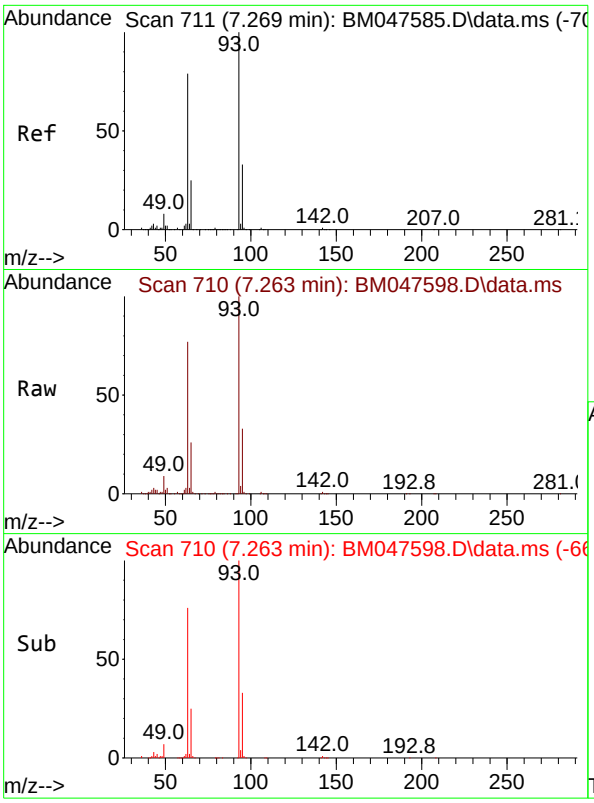


#10
Phenol
Concen: 39.287 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 94 Resp: 1034229

Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.1	49.1
66	36.7	16.5	56.5

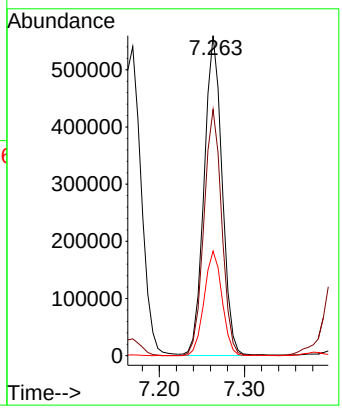




#11
bis(2-Chloroethyl)ether
Concen: 38.860 ng
RT: 7.263 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 93 Resp: 82221

Ion	Ratio	Lower	Upper
93	100		
63	76.9	58.5	98.5
95	32.6	12.9	52.9



Instrument :
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ClientSampleId :
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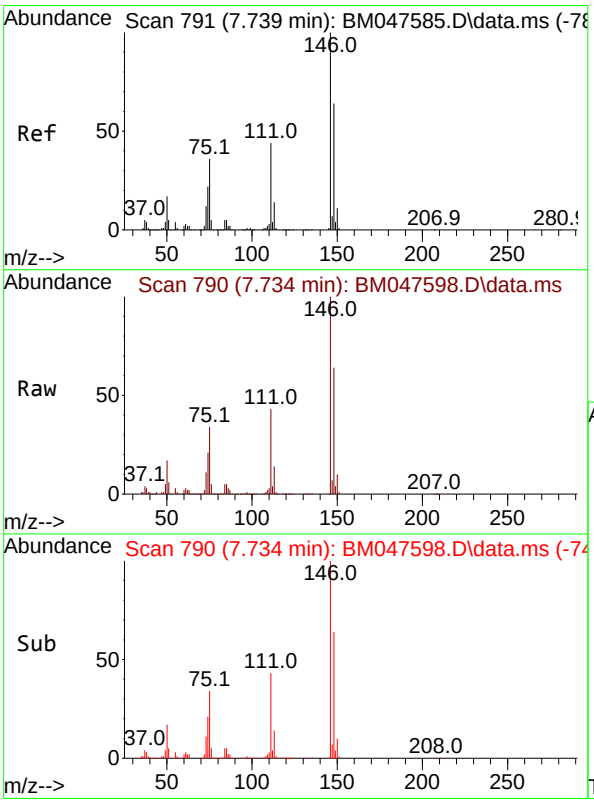
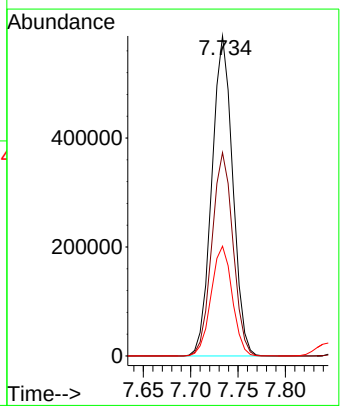
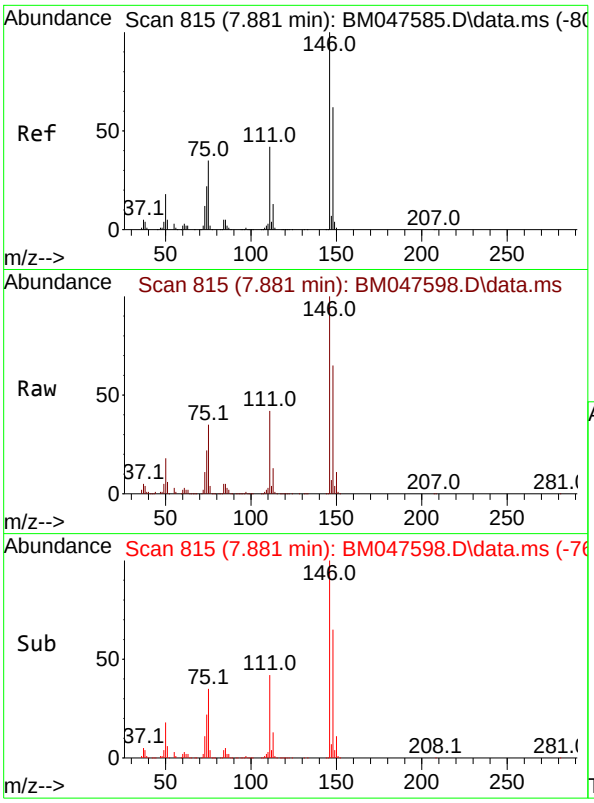


#12
1,3-Dichlorobenzene
Concen: 38.608 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:146 Resp: 899354

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
75	34.3	28.4	42.6

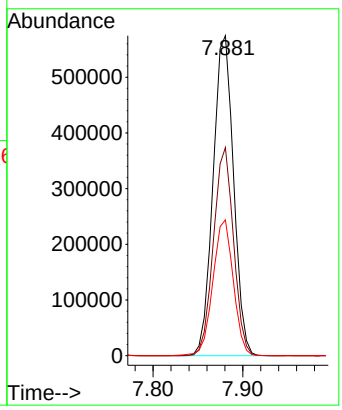




#13
1,4-Dichlorobenzene
Concen: 38.649 ng
RT: 7.881 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:146 Resp: 91098

Ion	Ratio	Lower	Upper
146	100		
148	65.0	49.8	74.6
111	42.5	33.3	49.9



Instrument :
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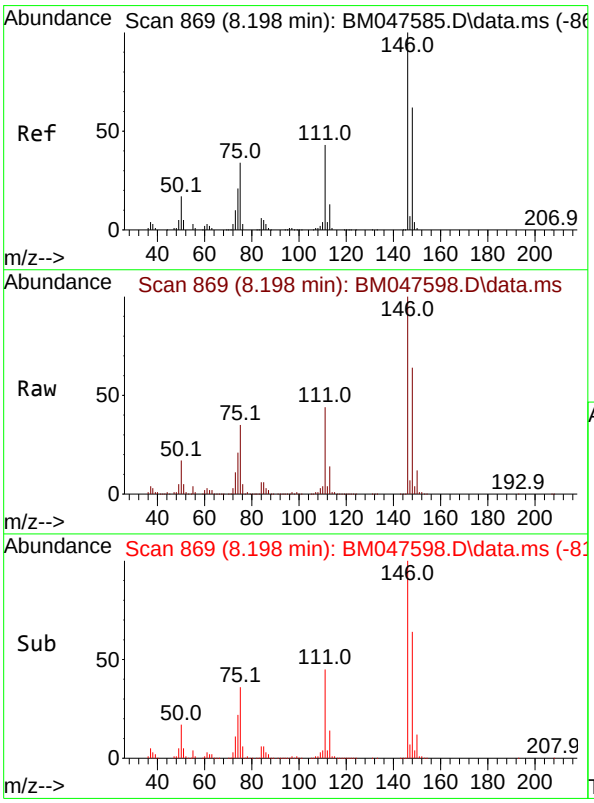
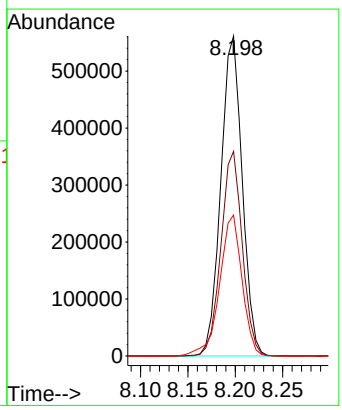
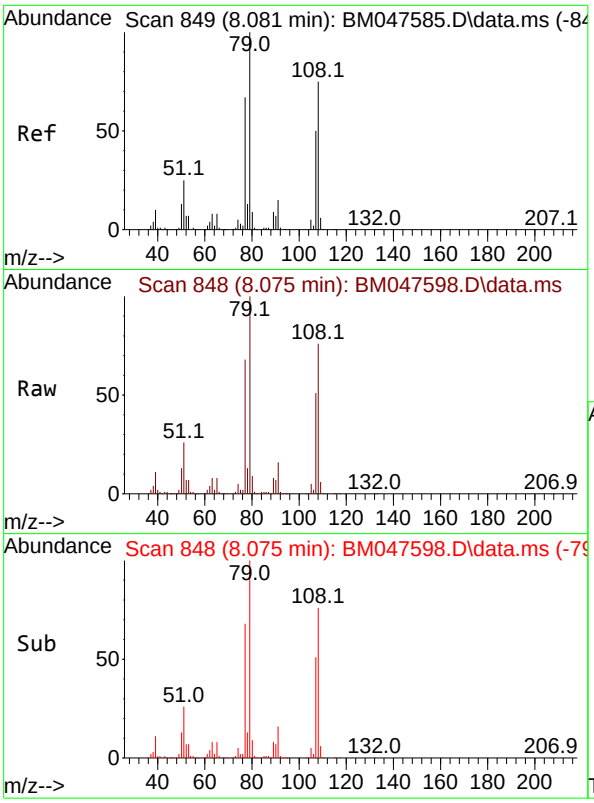


#14
1,2-Dichlorobenzene
Concen: 38.828 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:146 Resp: 882171

Ion	Ratio	Lower	Upper
146	100		
148	64.0	49.7	74.5
111	44.0	34.8	52.2





#15
Benzyl Alcohol
Concen: 39.078 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 79 Resp: 66846

Ion	Ratio	Lower	Upper
79	100		
108	75.6	60.2	90.2
77	68.1	53.9	80.9

Instrument :
BNA_M
ClientSampleId :
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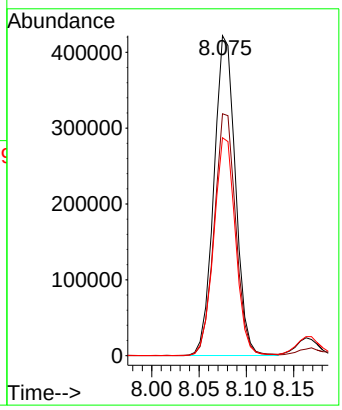

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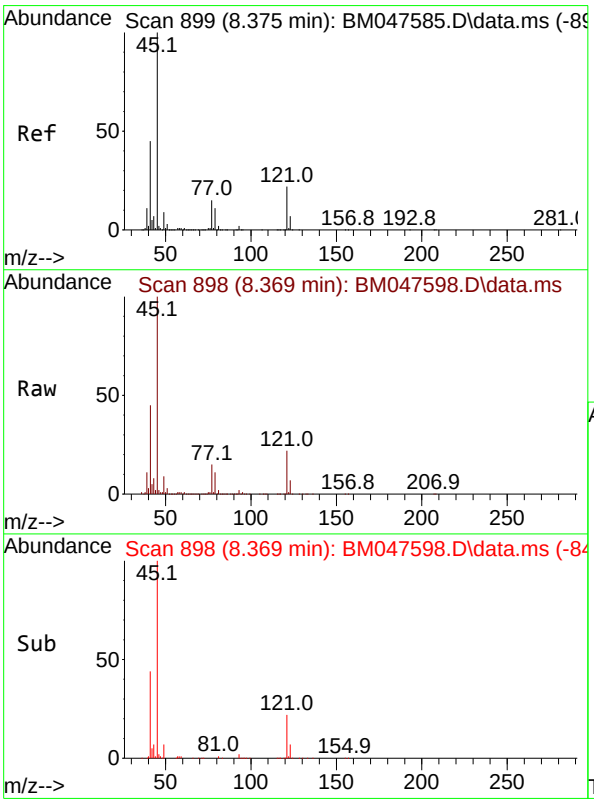
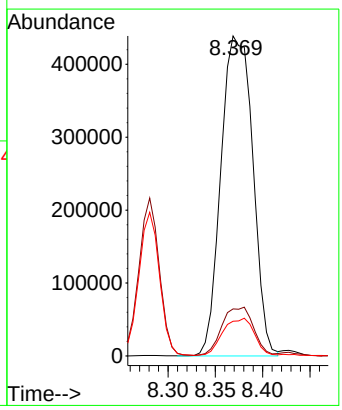
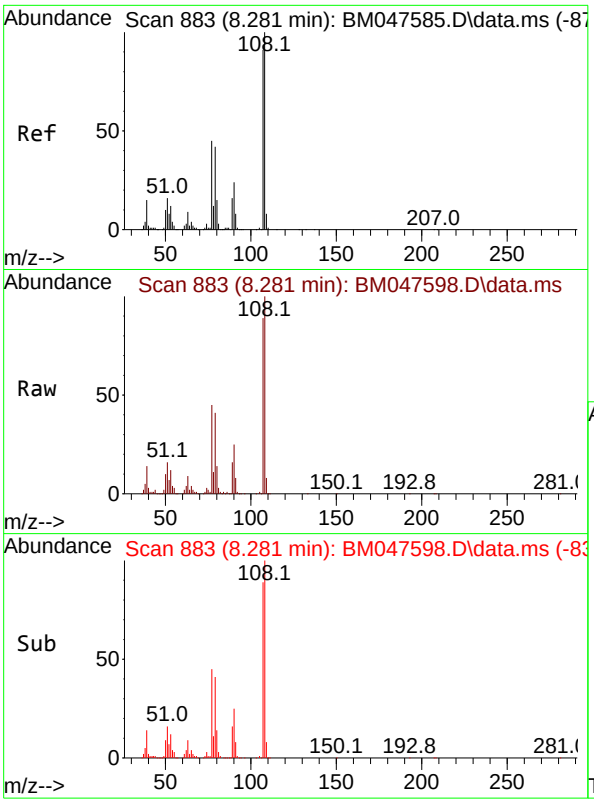


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.112 ng m
RT: 8.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 45 Resp: 1027855

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.5
79	10.9	0.0	31.6

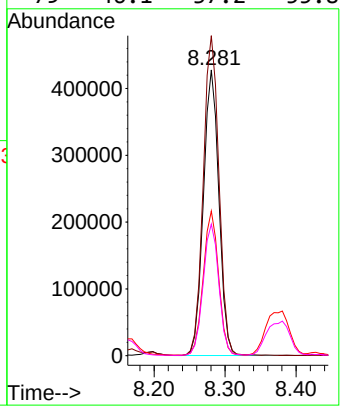




#17
2-Methylphenol
Concen: 39.349 ng
RT: 8.281 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:107 Resp: 65103

Ion	Ratio	Lower	Upper
107	100		
108	112.0	87.8	131.6
77	50.6	39.6	59.4
79	46.1	37.2	55.8



Instrument :
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ClientSampleId :
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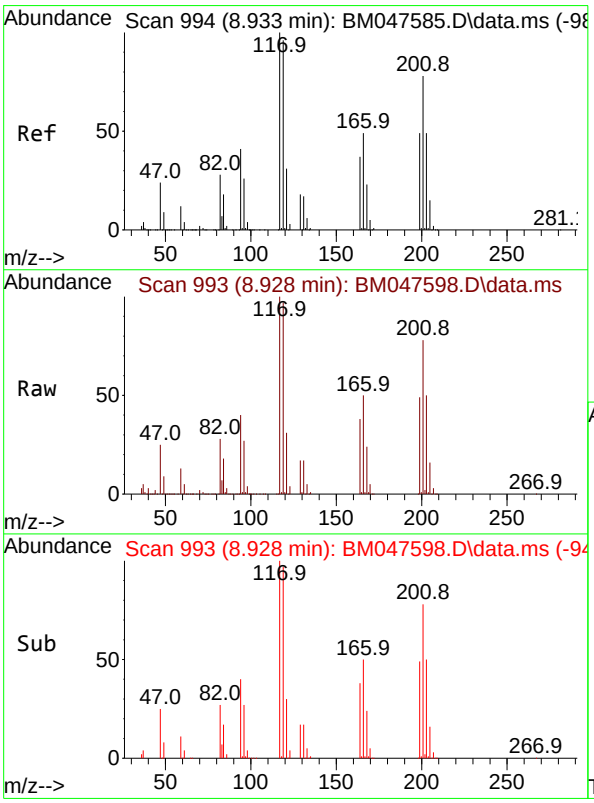
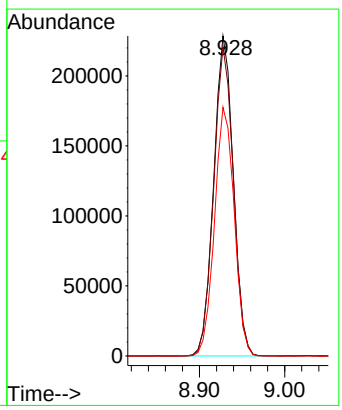
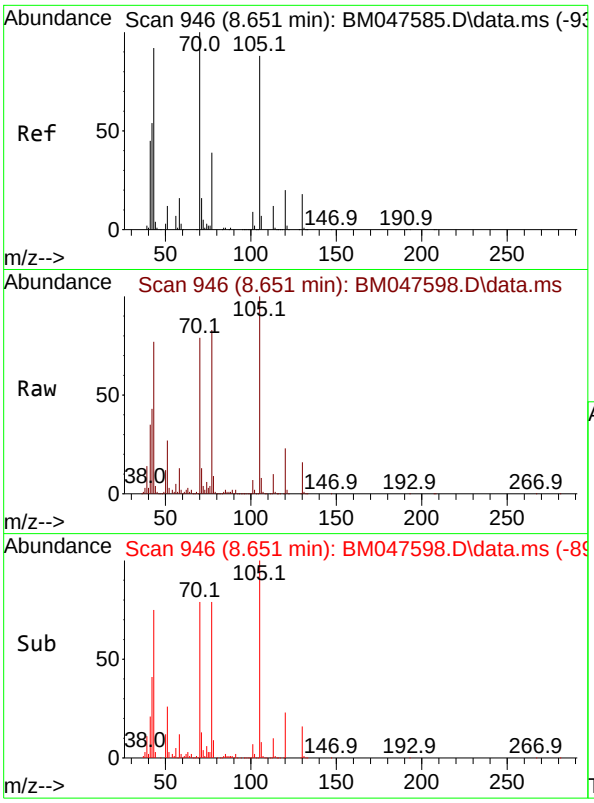


#18
Hexachloroethane
Concen: 38.333 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:117 Resp: 366410

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.2	115.8
201	77.7	62.3	93.5

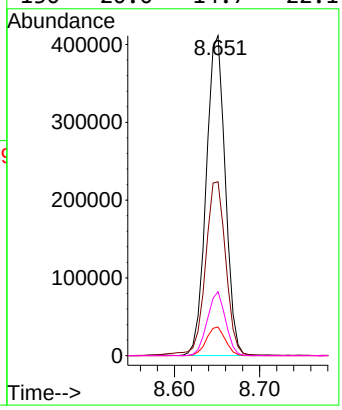




#19
n-Nitroso-di-n-propylamine
Concen: 39.280 ng
RT: 8.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 70 Resp: 63789

Ion	Ratio	Lower	Upper
70	100		
42	54.4	44.2	66.2
101	9.0	7.0	10.4
130	20.0	14.7	22.1



Instrument :
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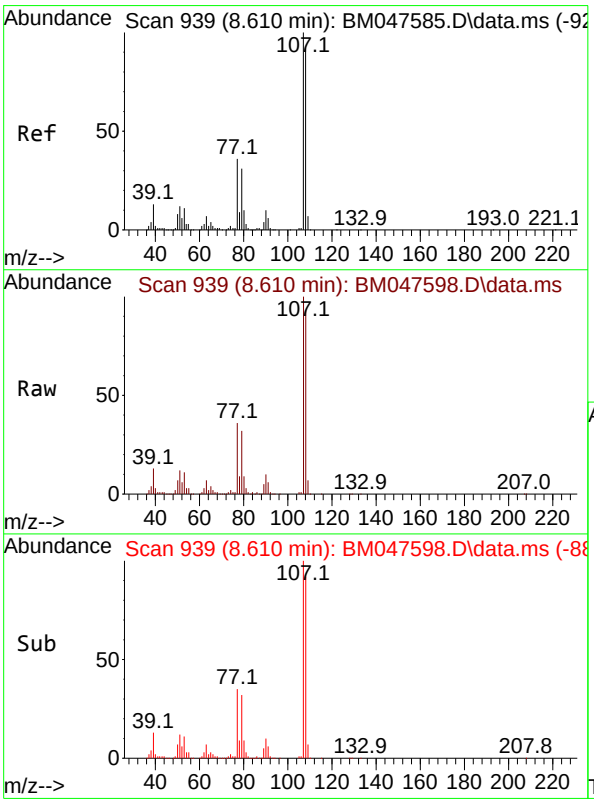
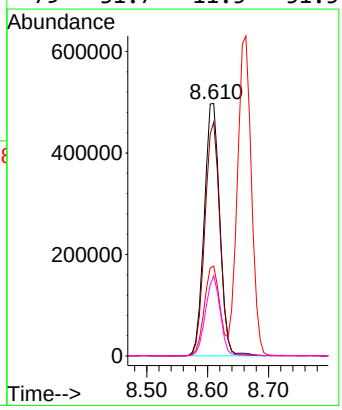
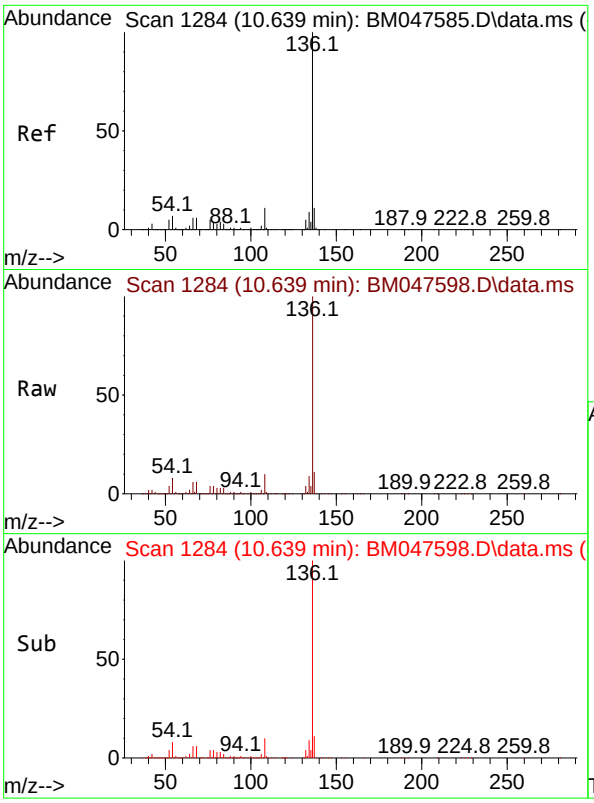


#20
3+4-Methylphenols
Concen: 39.169 ng
RT: 8.610 min Scan# 939
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:107 Resp: 882689

Ion	Ratio	Lower	Upper
107	100		
108	92.6	71.8	111.8
77	35.6	16.1	56.1
79	31.7	11.5	51.5

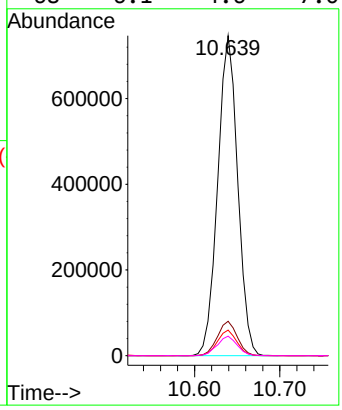




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:136 Resp: 121706

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	8.0	6.0	9.0
68	6.1	4.6	7.0



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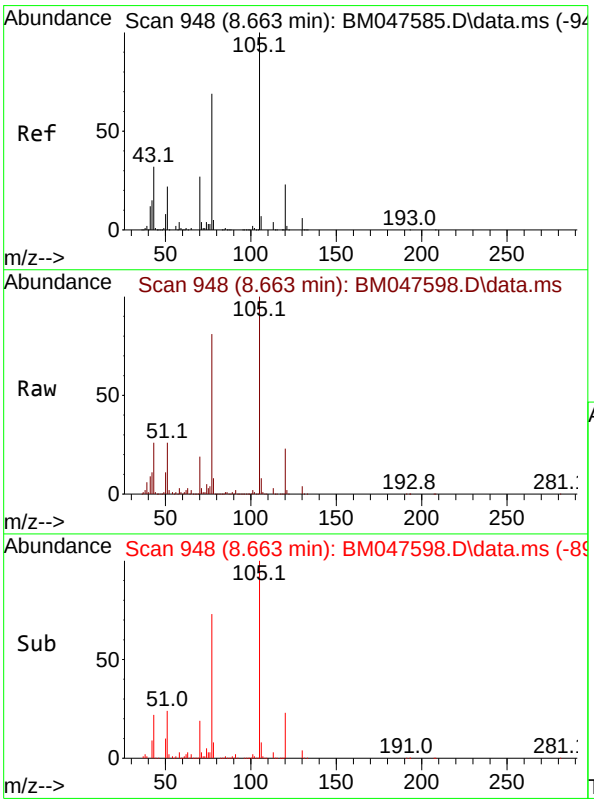
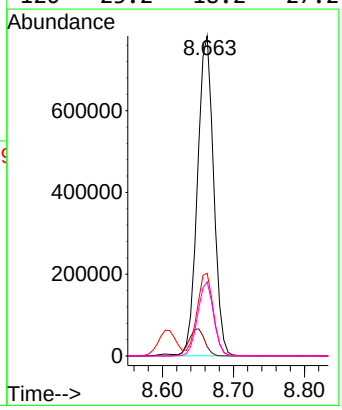
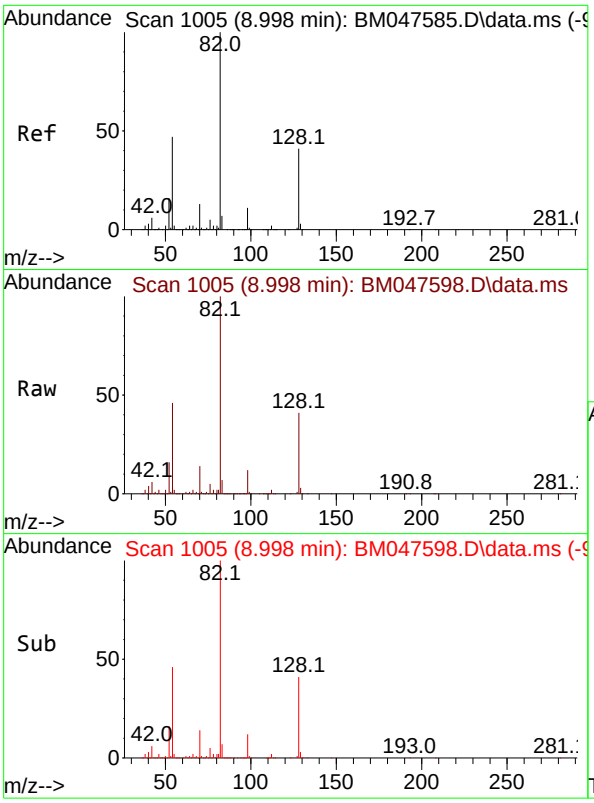


#22
Acetophenone
Concen: 38.942 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:105 Resp: 1234782

Ion	Ratio	Lower	Upper
105	100		
71	2.9	3.4	5.2#
51	25.9	21.4	32.2
120	23.2	18.2	27.2

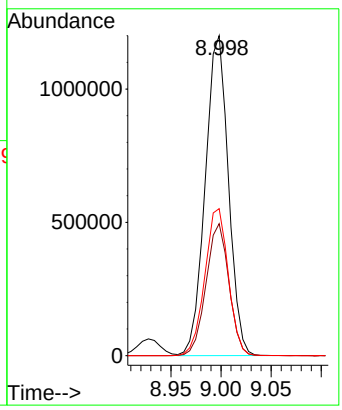




#23
Nitrobenzene-d5
Concen: 78.917 ng
RT: 8.998 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 82 Resp: 192942

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.5	48.7
54	46.0	37.5	56.3



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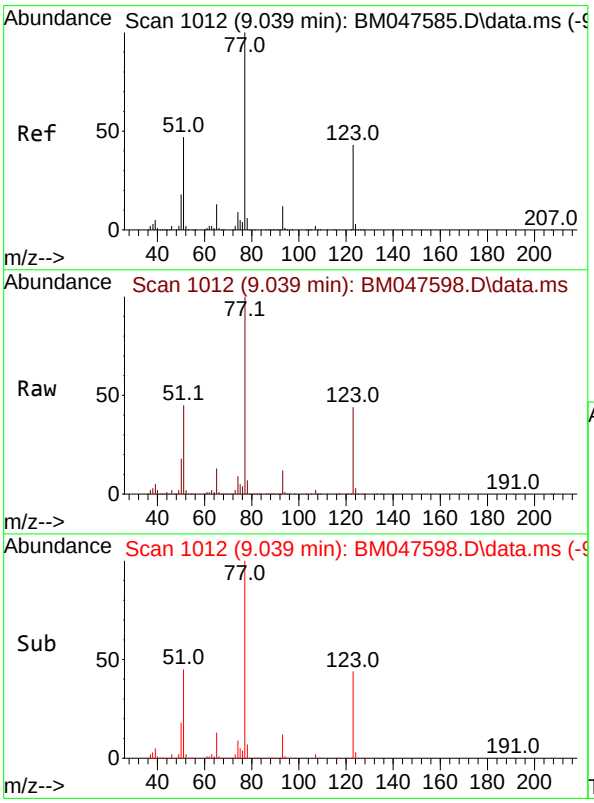
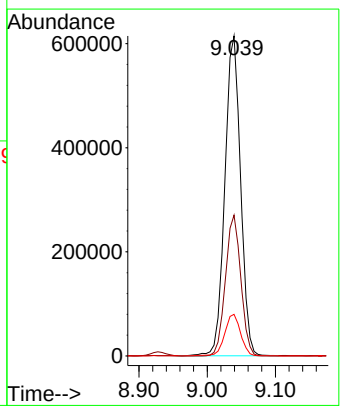
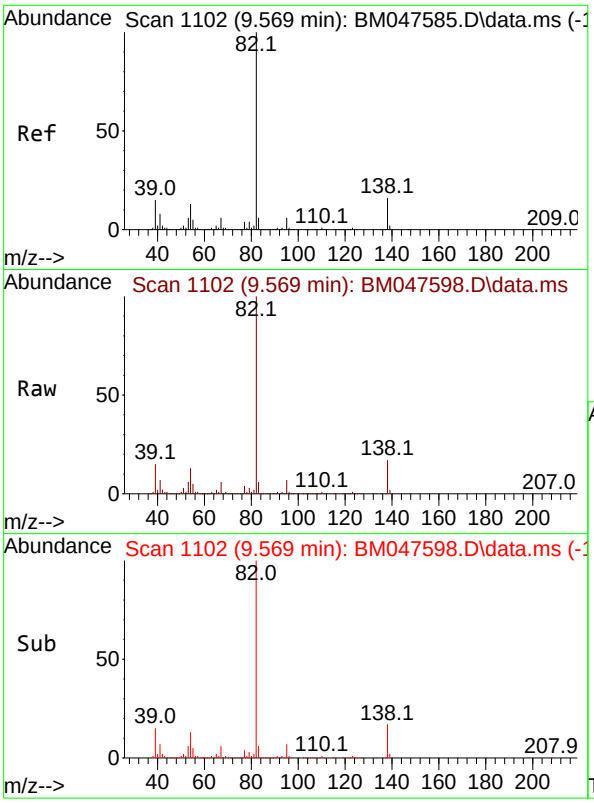


#24
Nitrobenzene
Concen: 38.999 ng
RT: 9.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 77 Resp: 984808

Ion	Ratio	Lower	Upper
77	100		
123	44.0	34.1	51.1
65	13.0	10.7	16.1





#25
Isophorone
Concen: 39.115 ng
RT: 9.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 82 Resp: 159814

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.0	7.6
138	16.6	12.9	19.3

Instrument :
BNA_M
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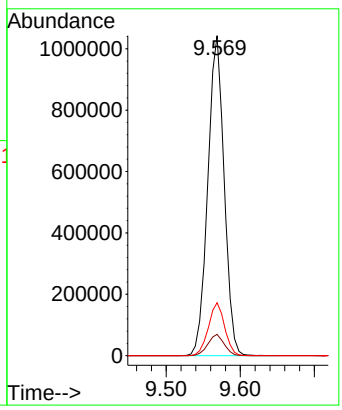

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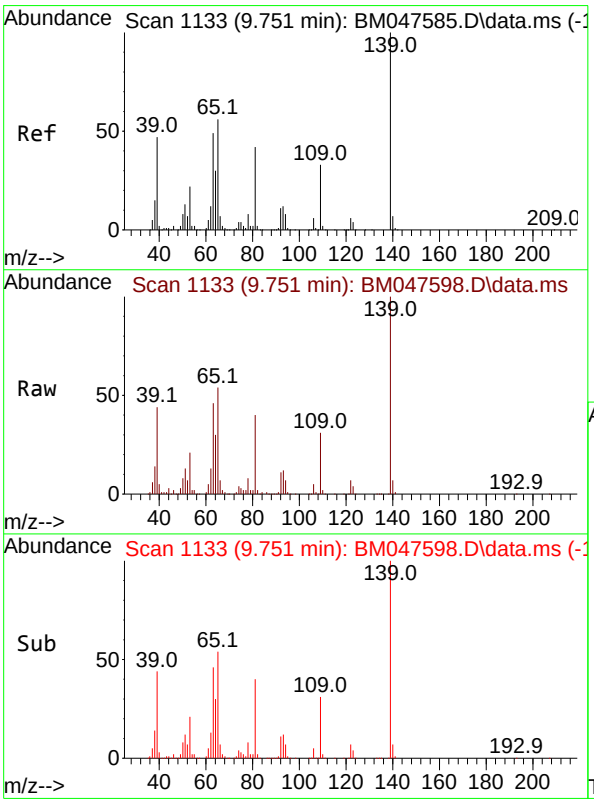
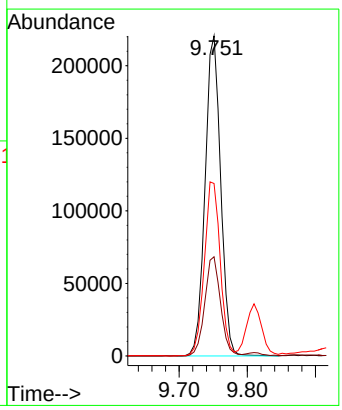
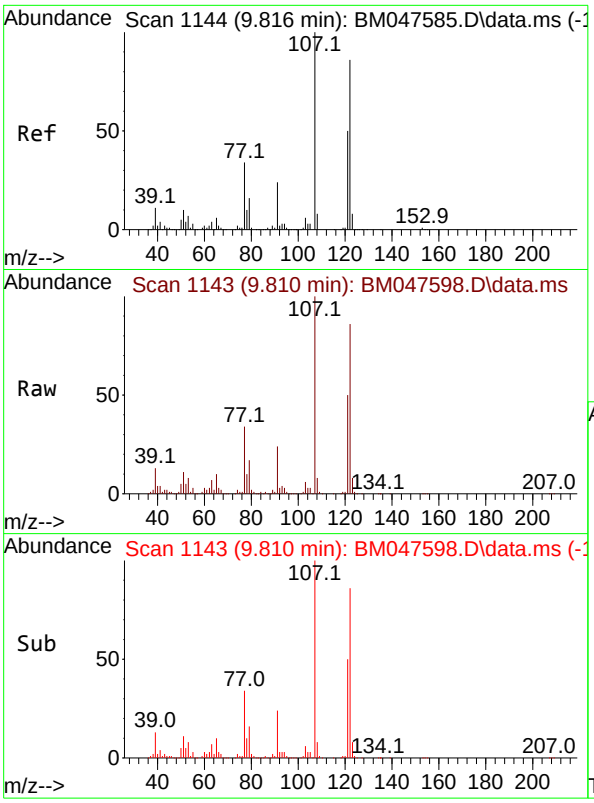


#26
2-Nitrophenol
Concen: 39.524 ng
RT: 9.751 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:139 Resp: 350920

Ion	Ratio	Lower	Upper
139	100		
109	31.0	26.1	39.1
65	53.9	44.7	67.1





#27
2,4-Dimethylphenol
Concen: 39.321 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:122 Resp: 49763

Ion	Ratio	Lower	Upper
122	100		
107	116.2	92.2	138.2
121	58.1	45.8	68.6

Instrument :
BNA_M
ClientSampleId :
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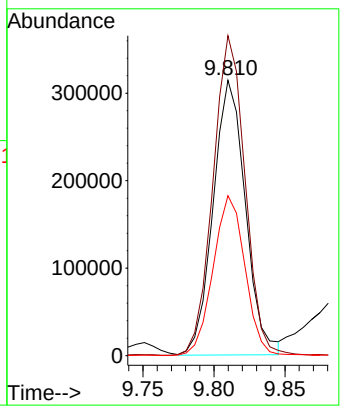

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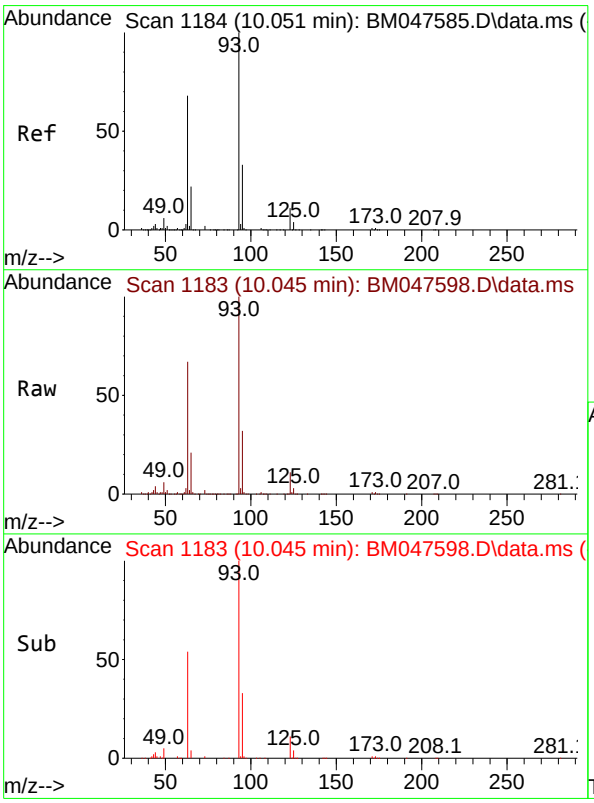
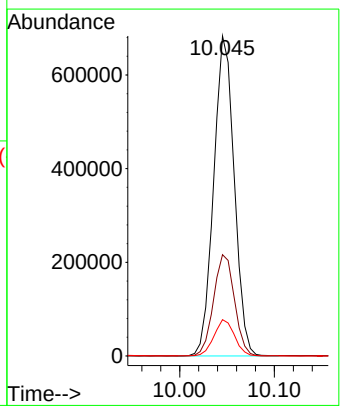
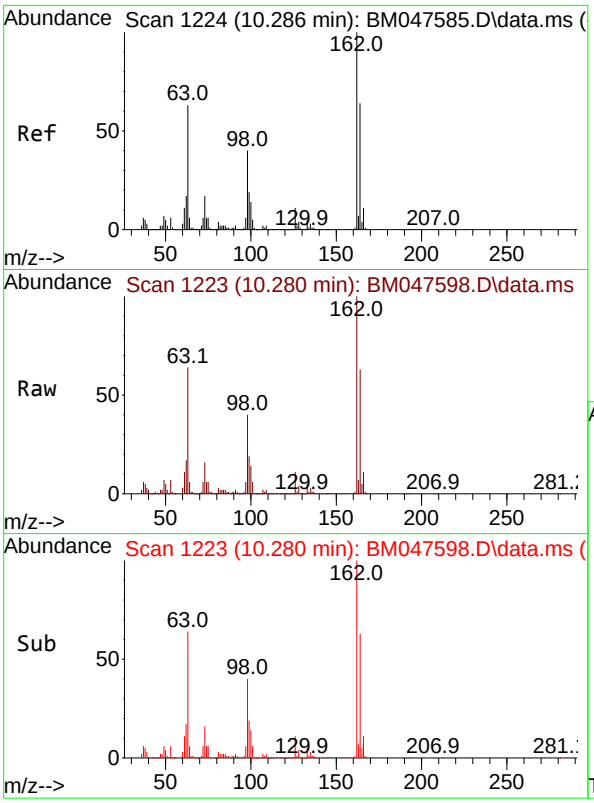


#28
bis(2-Chloroethoxy)methane
Concen: 39.204 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 93 Resp: 1030485

Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.4
123	11.4	9.0	13.4

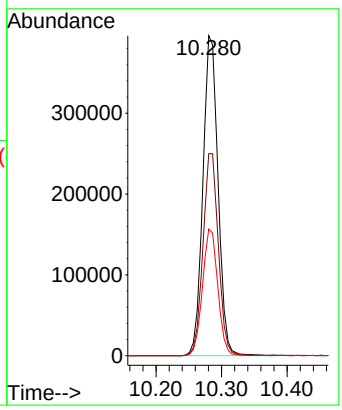




#29
2,4-Dichlorophenol
Concen: 39.895 ng
RT: 10.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:162 Resp: 63826

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.9	83.9
98	39.5	20.3	60.3



Instrument :
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ClientSampleId :
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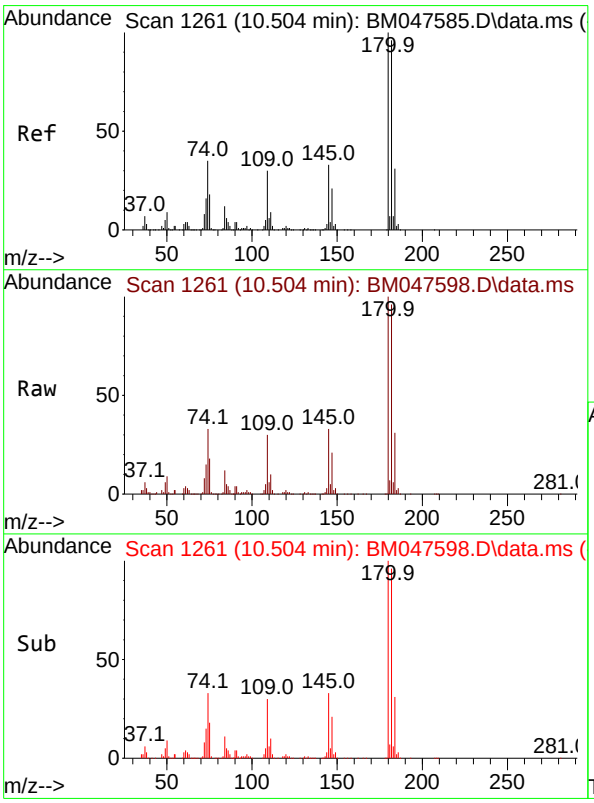
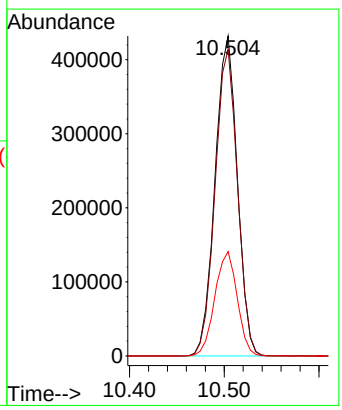
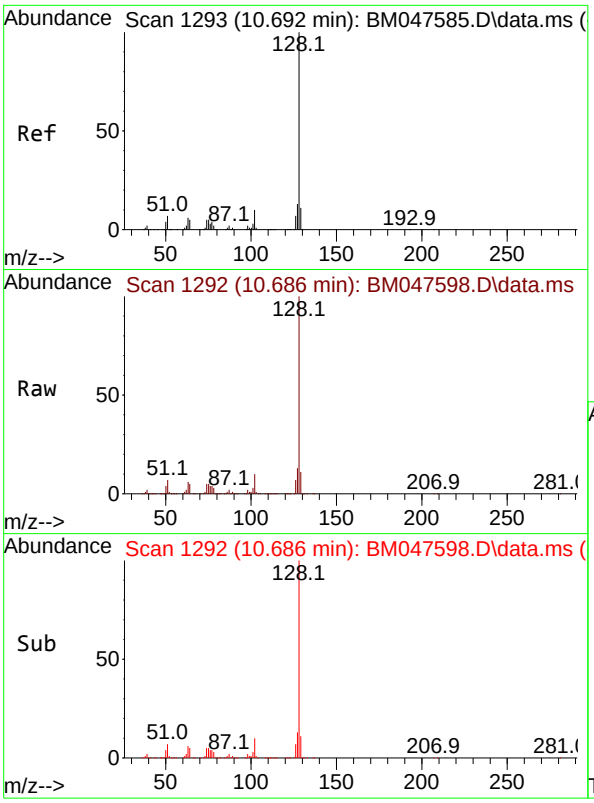


#30
1,2,4-Trichlorobenzene
Concen: 38.708 ng
RT: 10.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:180 Resp: 705850

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	32.6	26.2	39.2





#31
Naphthalene
Concen: 38.998 ng
RT: 10.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:128 Resp: 251111

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.3	15.5

Instrument :
BNA_M
ClientSampleId :
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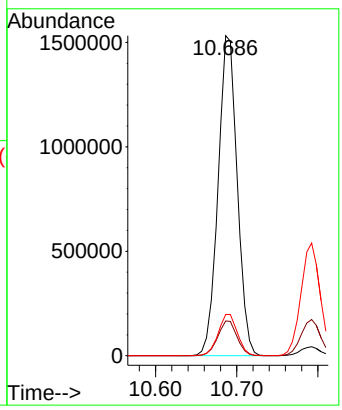

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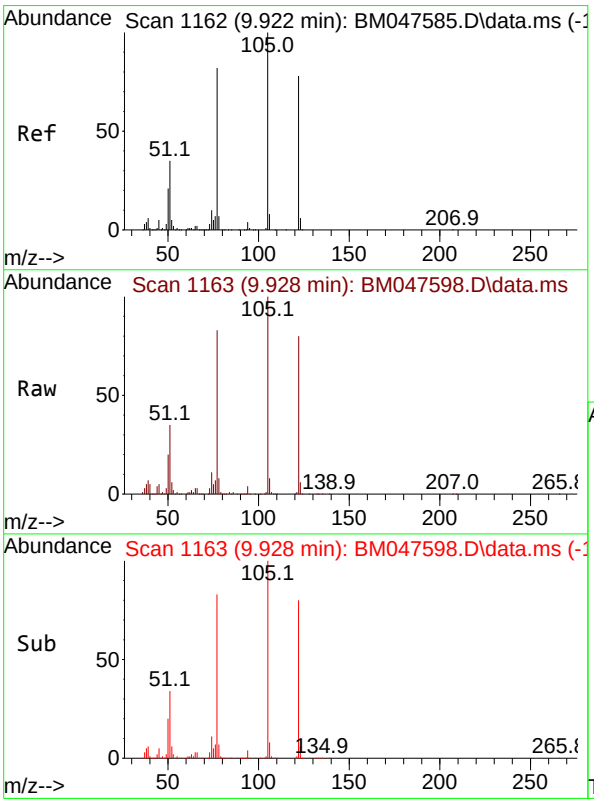
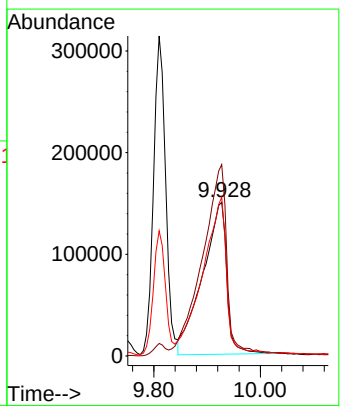
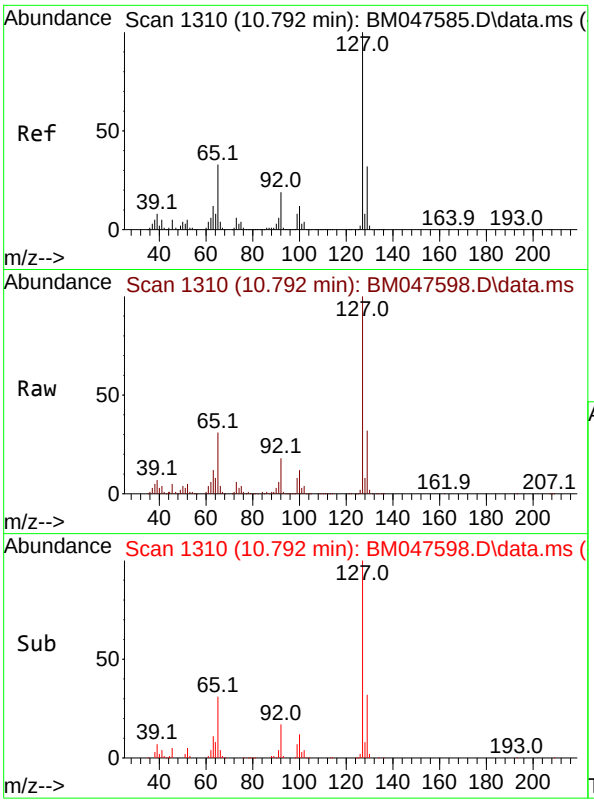


#32
Benzoic acid
Concen: 39.981 ng
RT: 9.928 min Scan# 1163
Delta R.T. 0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:122 Resp: 471676

Ion	Ratio	Lower	Upper
122	100		
105	124.5	103.1	143.1
77	103.2	82.4	122.4

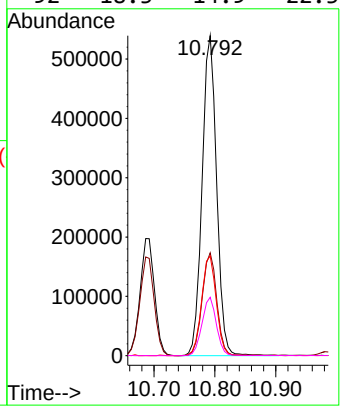




#33
4-Chloroaniline
Concen: 39.450 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:127 Resp: 89556

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.6	38.4
65	31.2	26.1	39.1
92	18.3	14.9	22.3



Instrument :
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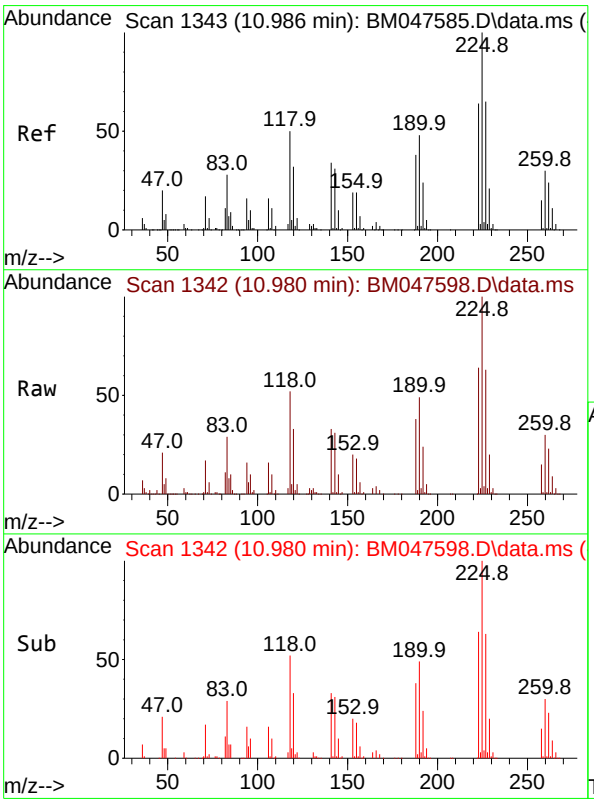
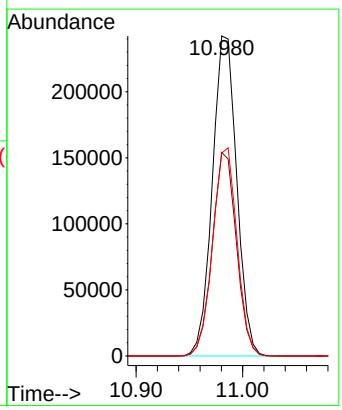
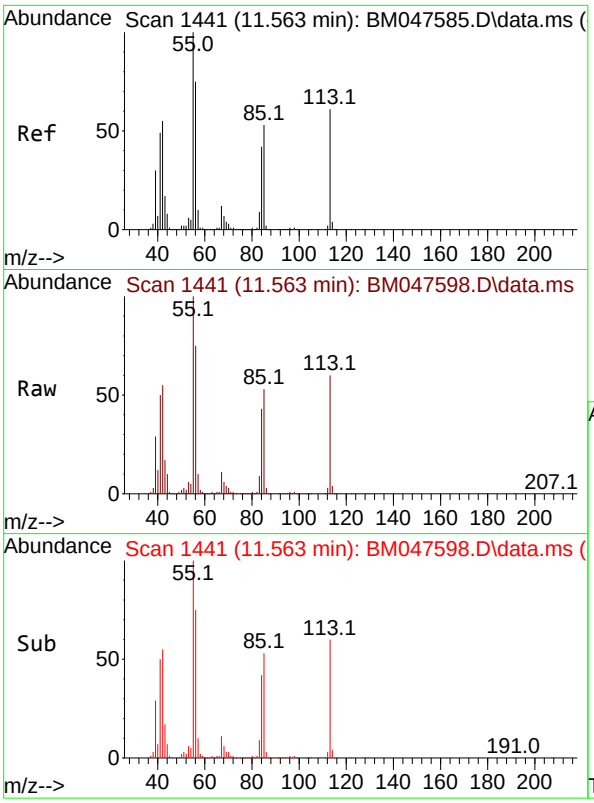


#34
Hexachlorobutadiene
Concen: 38.784 ng
RT: 10.980 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:225 Resp: 384867

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.4	77.0
227	63.4	52.1	78.1





#35
Caprolactam
Concen: 39.687 ng
RT: 11.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:113 Resp: 21947

Ion	Ratio	Lower	Upper
113	100		
55	166.2	145.5	185.5
56	124.8	103.9	143.9

Instrument :
BNA_M
ClientSampleId :
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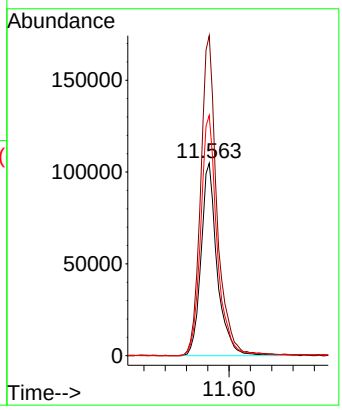

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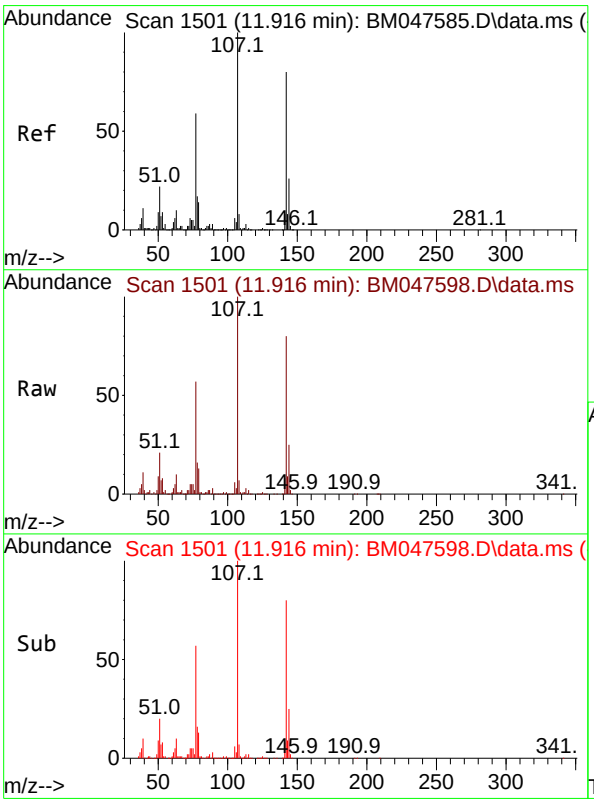
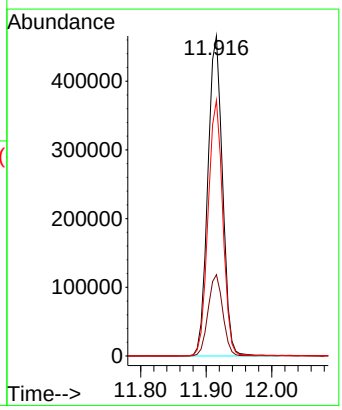
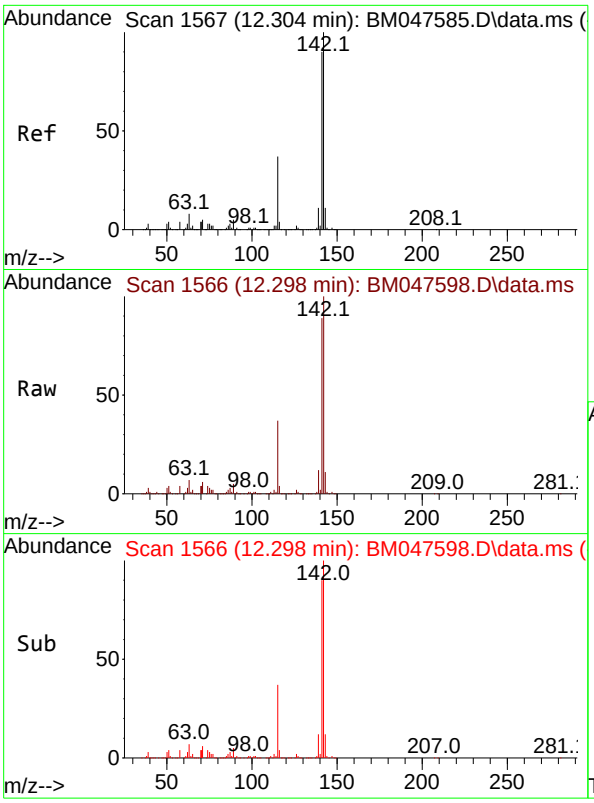


#36
4-Chloro-3-methylphenol
Concen: 39.862 ng
RT: 11.916 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:107 Resp: 727639

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.7	31.1
142	79.9	63.9	95.9

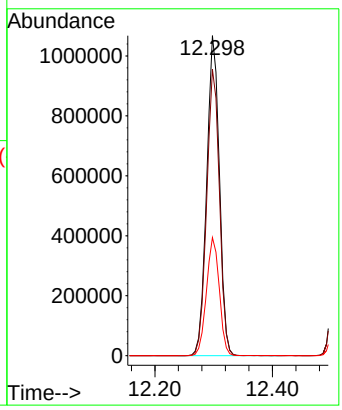




#37
2-Methylnaphthalene
Concen: 39.495 ng
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:142 Resp: 159770

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.7	107.5
115	36.9	29.5	44.3



Instrument :
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ClientSampleId :
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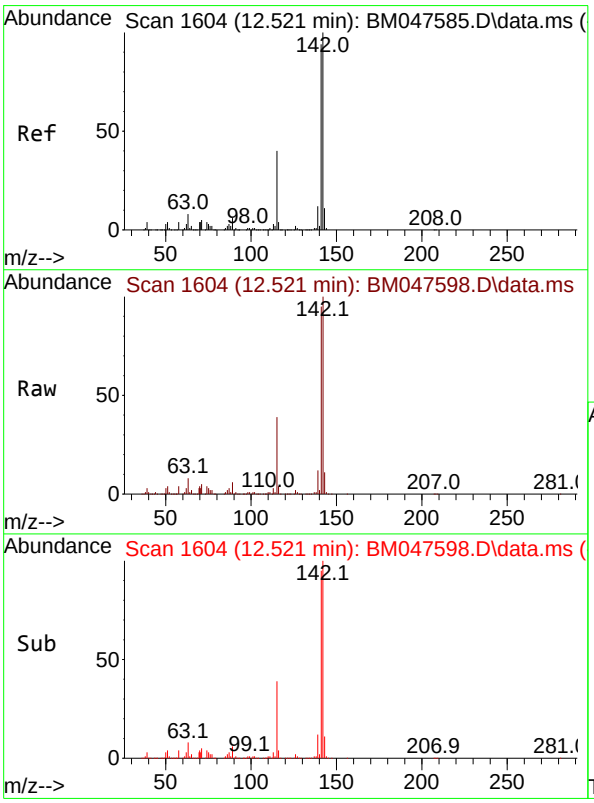
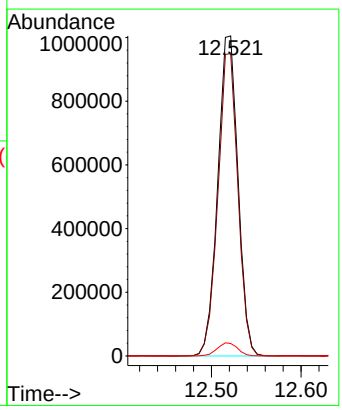
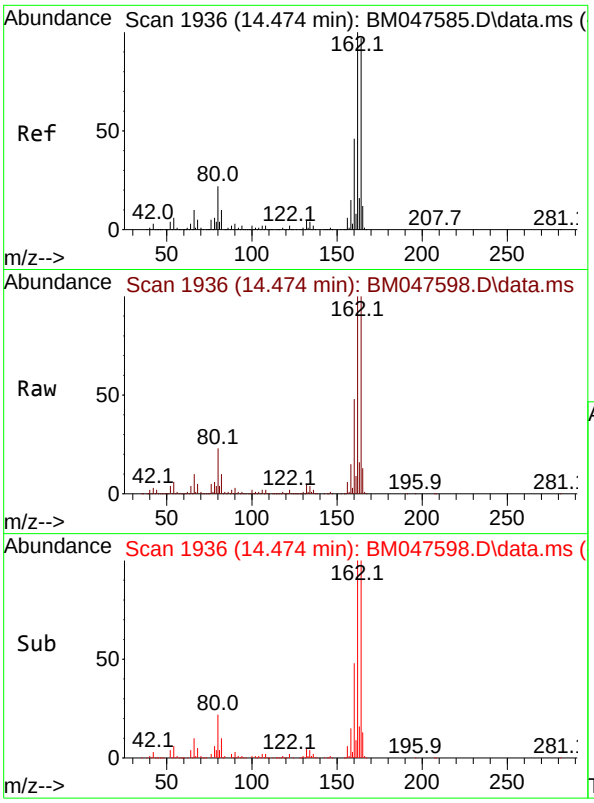


#38
1-Methylnaphthalene
Concen: 39.280 ng
RT: 12.521 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:142 Resp: 1576373

Ion	Ratio	Lower	Upper
142	100		
141	94.6	75.3	112.9
116	3.9	3.0	4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:164 Resp: 64682

Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.6	123.8
160	47.7	37.8	56.6

Instrument :
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ClientSampleId :
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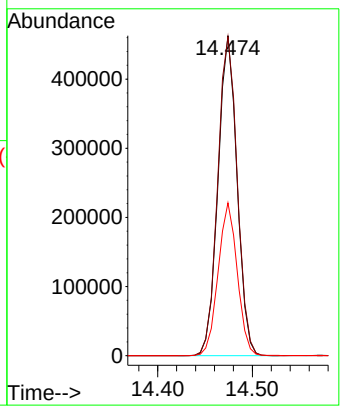

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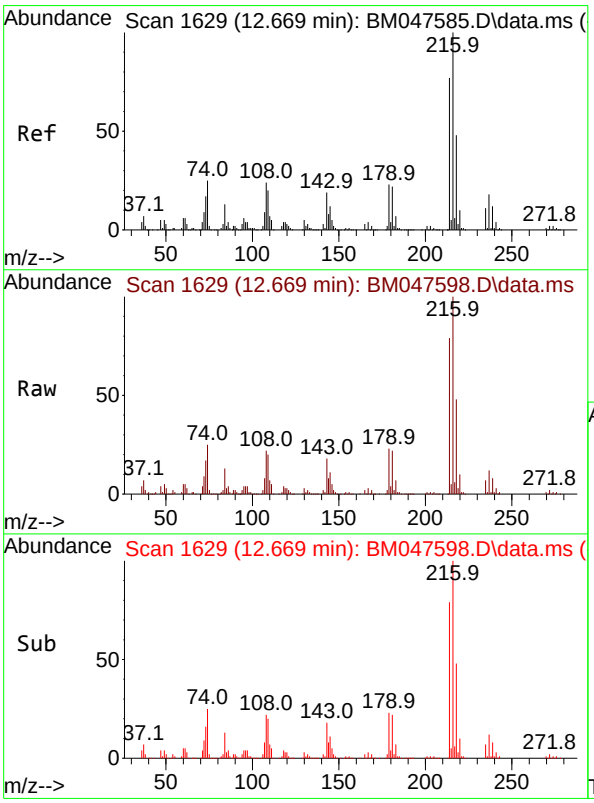
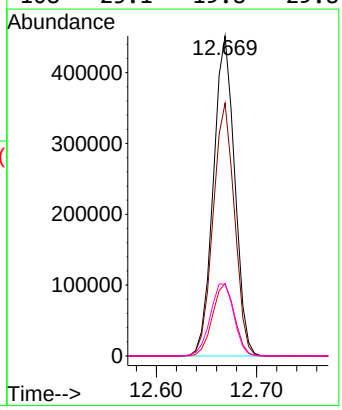
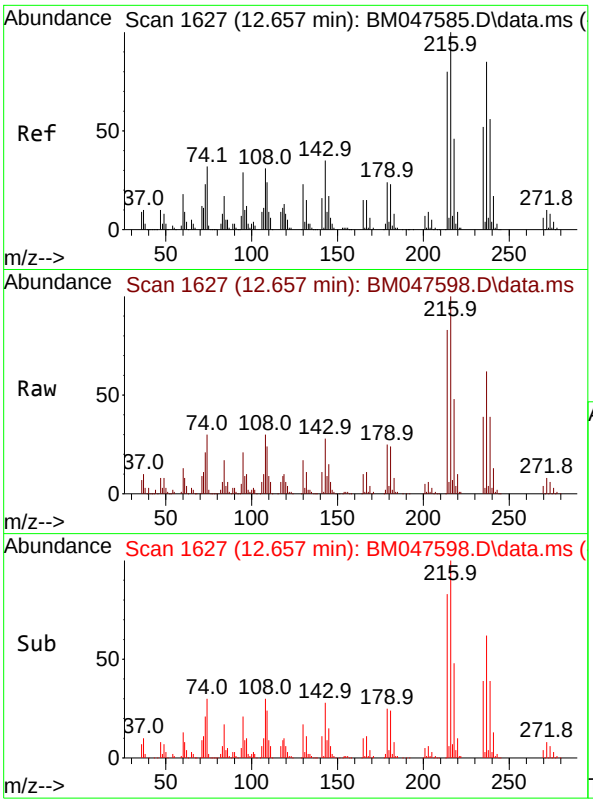


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.058 ng
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:216 Resp: 666700

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.8	94.2
179	23.3	18.5	27.7
108	25.1	19.8	29.8





#41
Hexachlorocyclopentadiene
Concen: 39.889 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:237 Resp: 22479

Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.2	81.2
272	13.4	0.0	32.0

Instrument :
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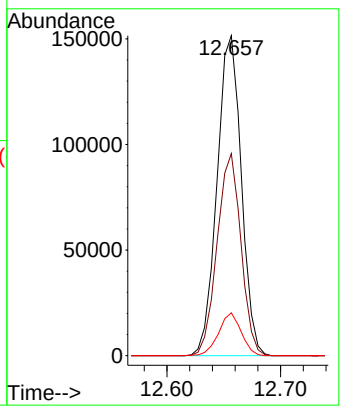

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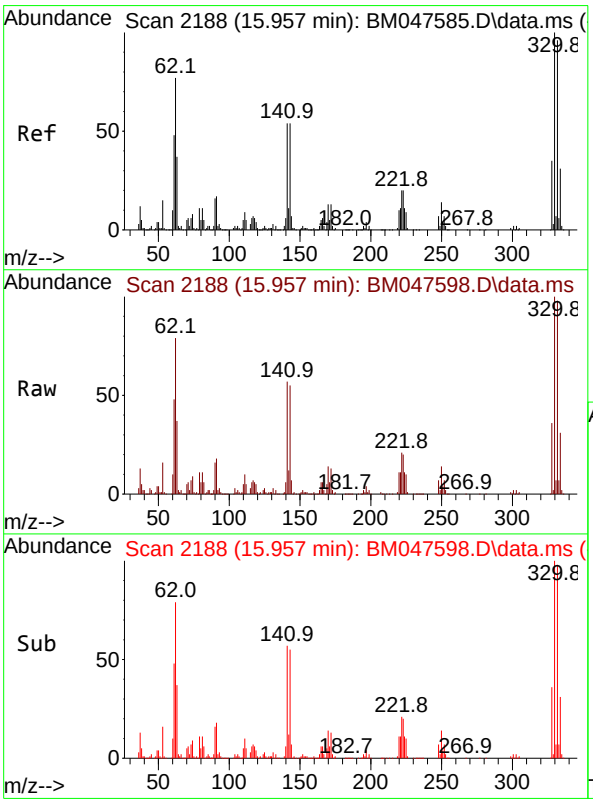
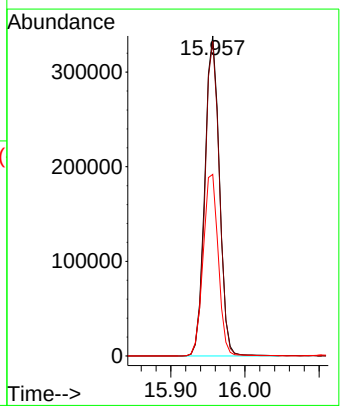
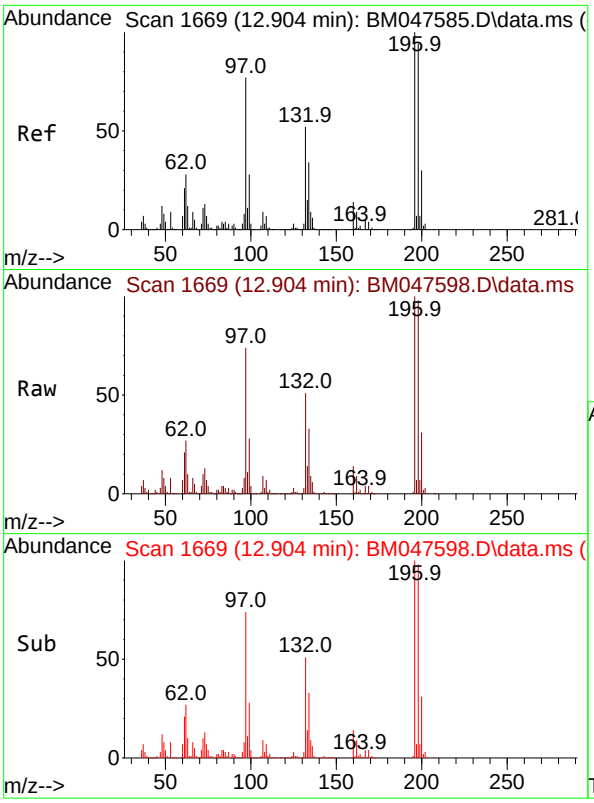


#42
2,4,6-Tribromophenol
Concen: 77.531 ng
RT: 15.957 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:330 Resp: 464366

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.4
141	58.7	45.9	68.9

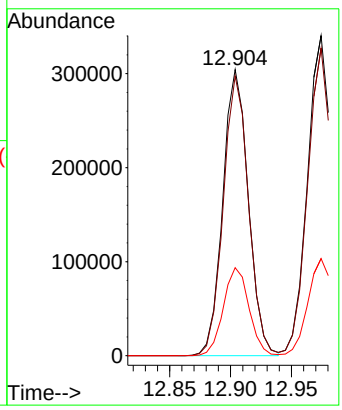




#43
2,4,6-Trichlorophenol
Concen: 40.028 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:196 Resp: 44405

Ion	Ratio	Lower	Upper
196	100		
198	97.8	75.5	113.3
200	30.7	24.3	36.5



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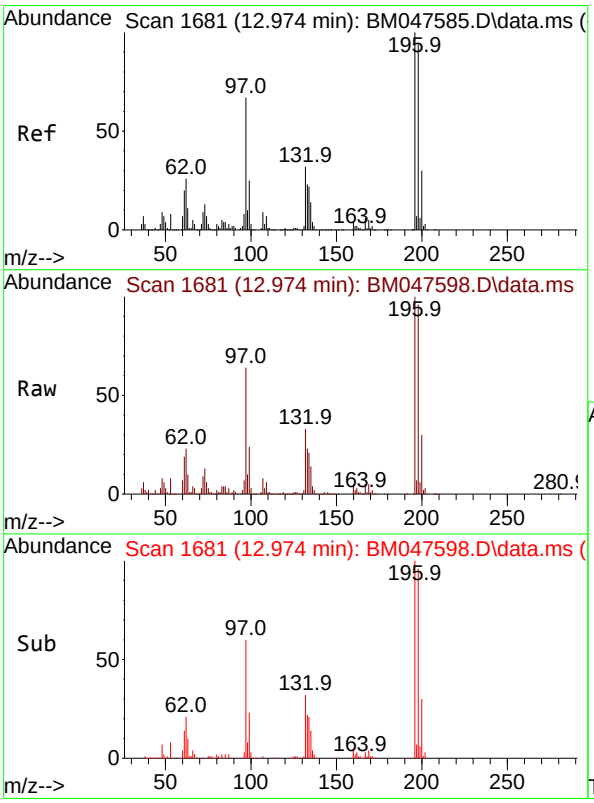
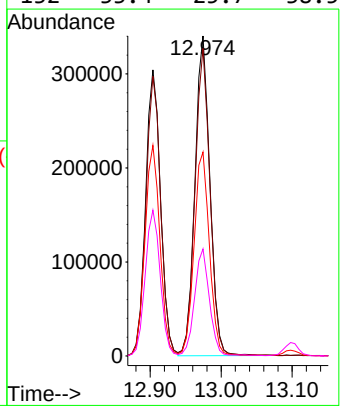
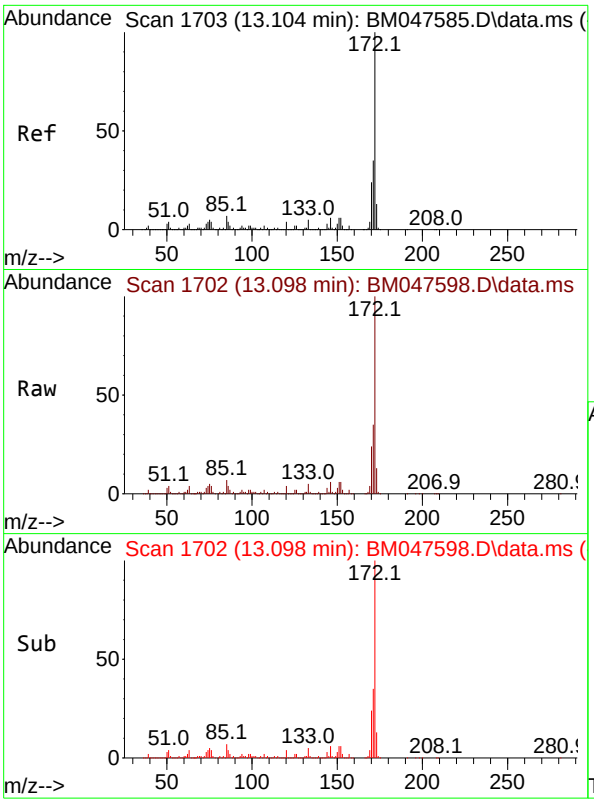


#44
2,4,5-Trichlorophenol
Concen: 40.265 ng
RT: 12.974 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:196 Resp: 502082

Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.5	113.3
97	63.7	53.5	80.3
132	33.4	25.7	38.5

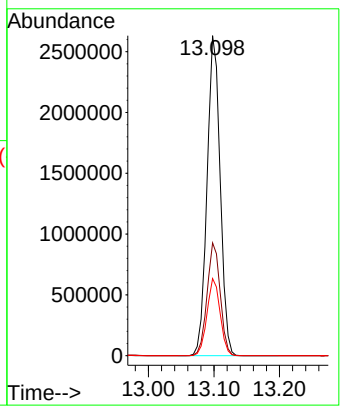




#45
2-Fluorobiphenyl
Concen: 80.017 ng
RT: 13.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:172 Resp: 365784

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	24.1	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
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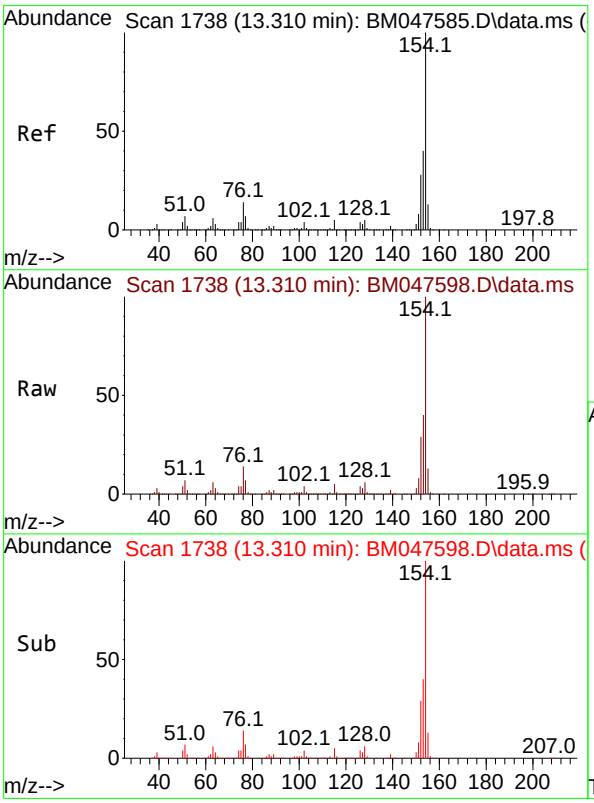
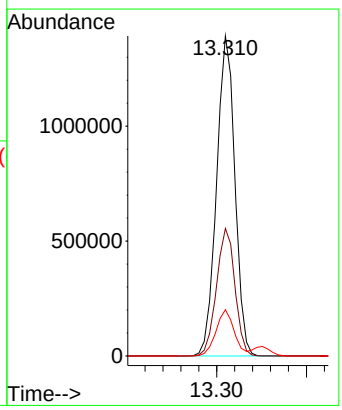
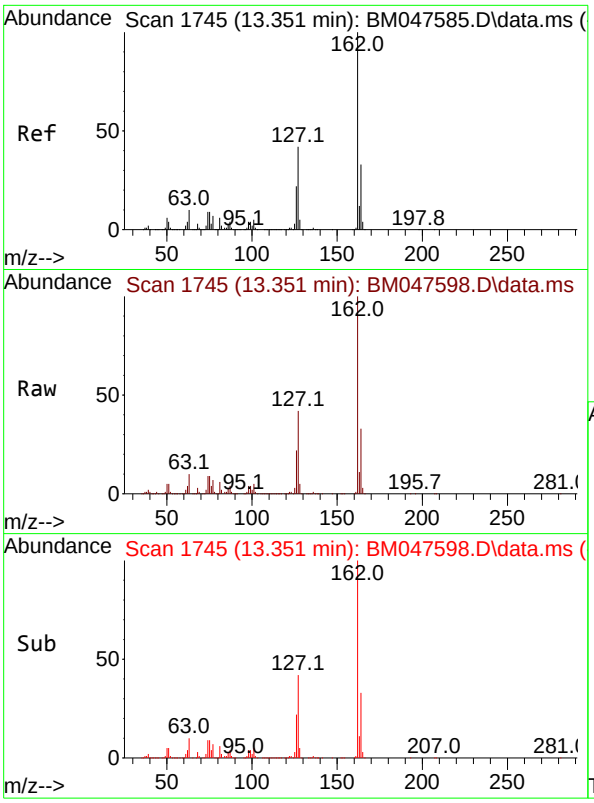


#46
1,1'-Biphenyl
Concen: 39.518 ng
RT: 13.310 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:154 Resp: 1974036

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	14.4	0.0	34.5

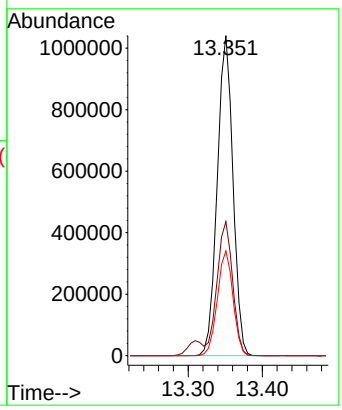




#47
2-Chloronaphthalene
Concen: 39.167 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:162 Resp: 153088

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.8	50.6
164	32.8	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
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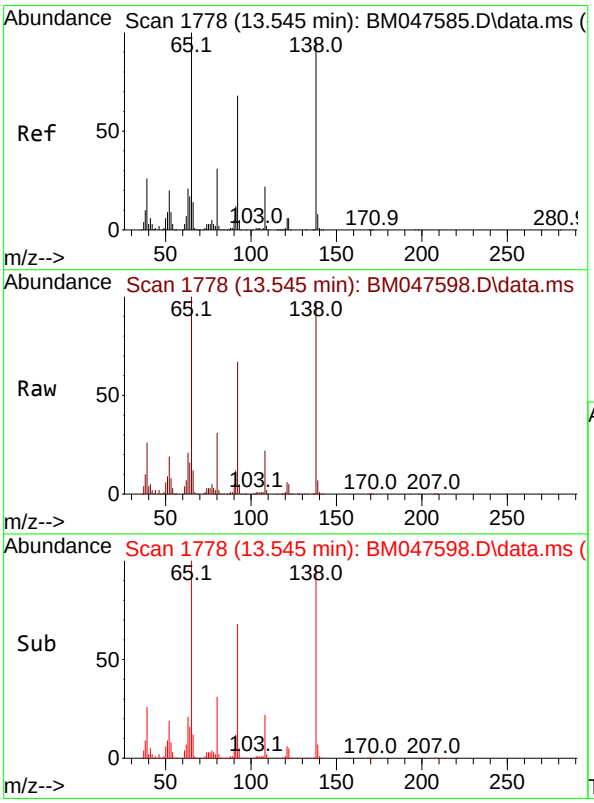
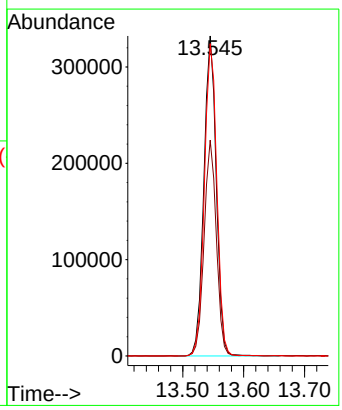
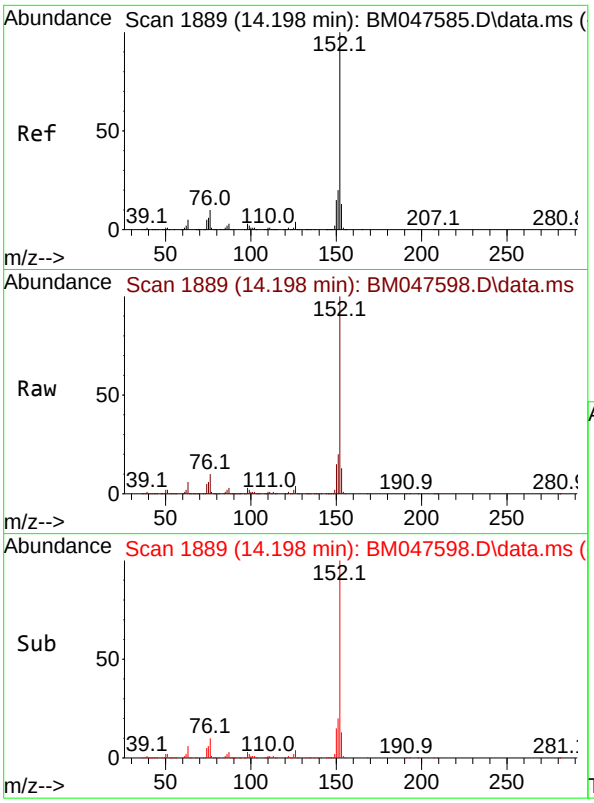


#48
2-Nitroaniline
Concen: 40.339 ng
RT: 13.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 65 Resp: 470917

Ion	Ratio	Lower	Upper
65	100		
92	67.5	54.2	81.4
138	97.6	76.6	114.8





#49
Acenaphthylene
Concen: 39.505 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:152 Resp: 222048

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.7	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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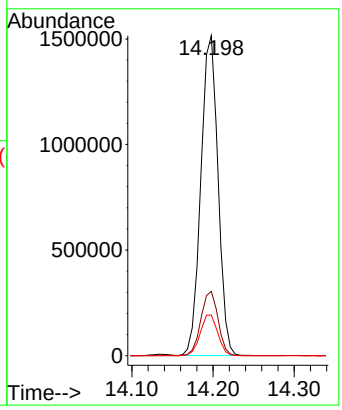

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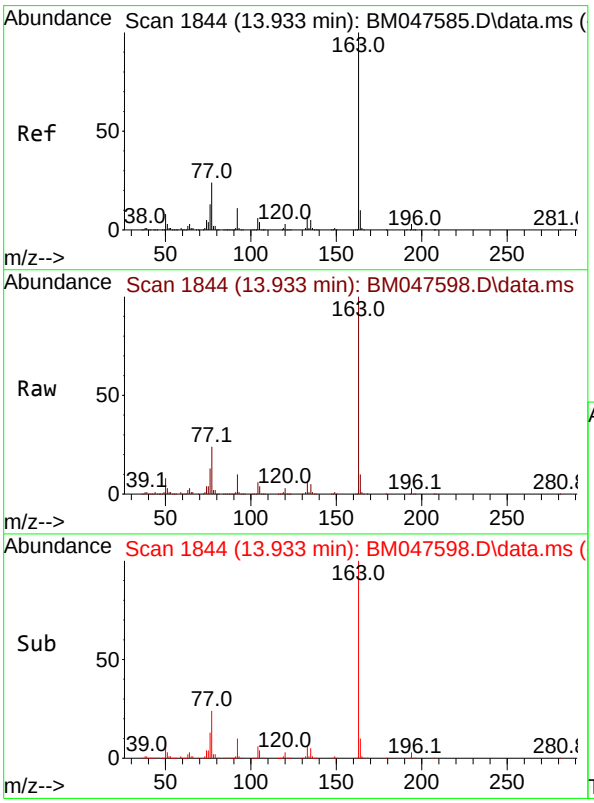
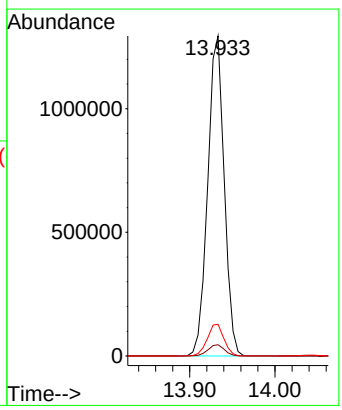
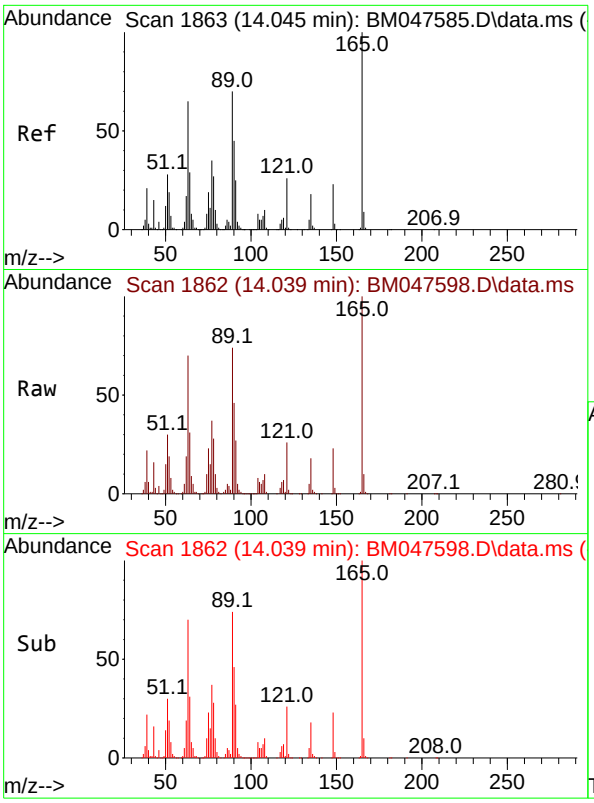


#50
Dimethylphthalate
Concen: 38.928 ng
RT: 13.933 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:163 Resp: 1738521

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.9	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 40.622 ng
RT: 14.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:165 Resp: 38009

Ion	Ratio	Lower	Upper
165	100		
63	70.3	53.0	79.6
89	74.2	56.4	84.6

Instrument :
BNA_M
ClientSampleId :
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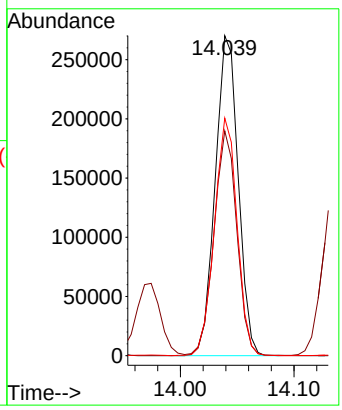

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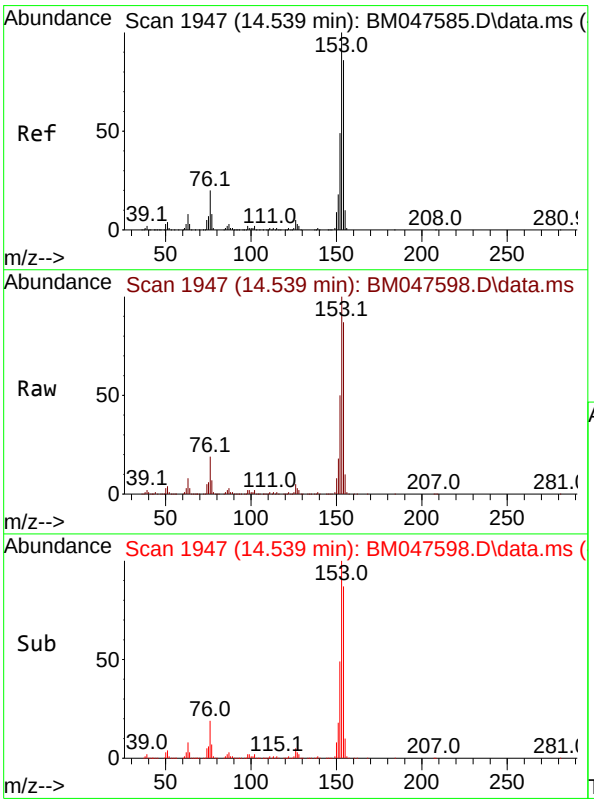
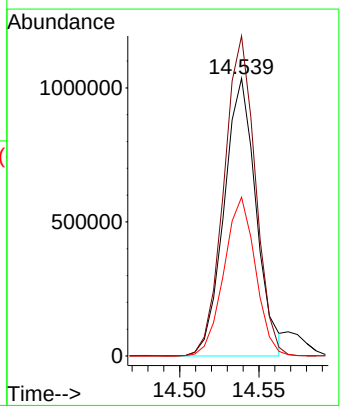
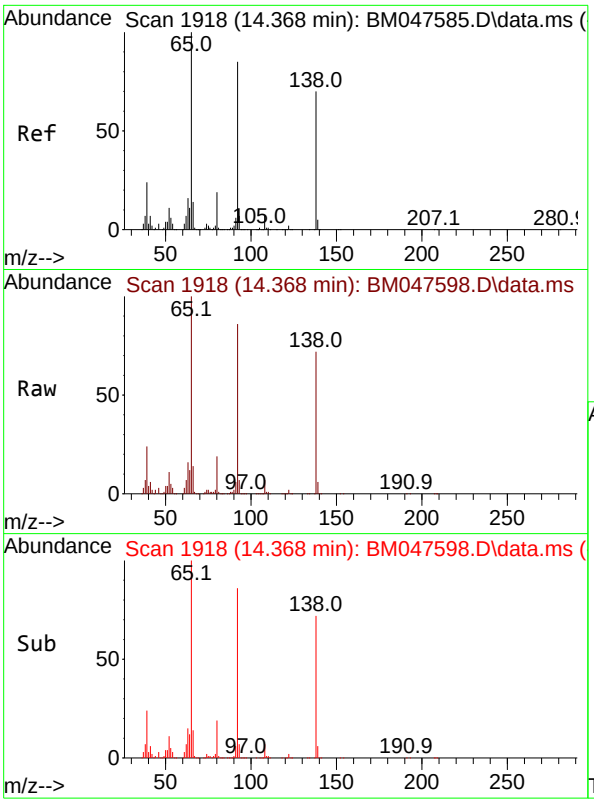


#52
Acenaphthene
Concen: 39.124 ng m
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:154 Resp: 1453822

Ion	Ratio	Lower	Upper
154	100		
153	115.3	92.8	139.2
152	57.2	45.7	68.5





#53
3-Nitroaniline
Concen: 40.823 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:138 Resp: 43809

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	119.4	97.0	145.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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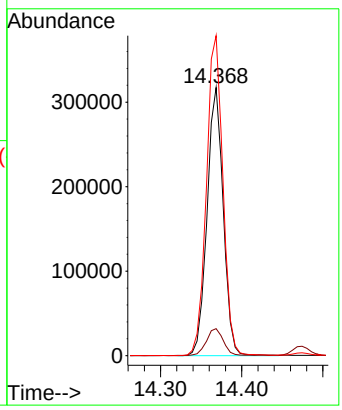

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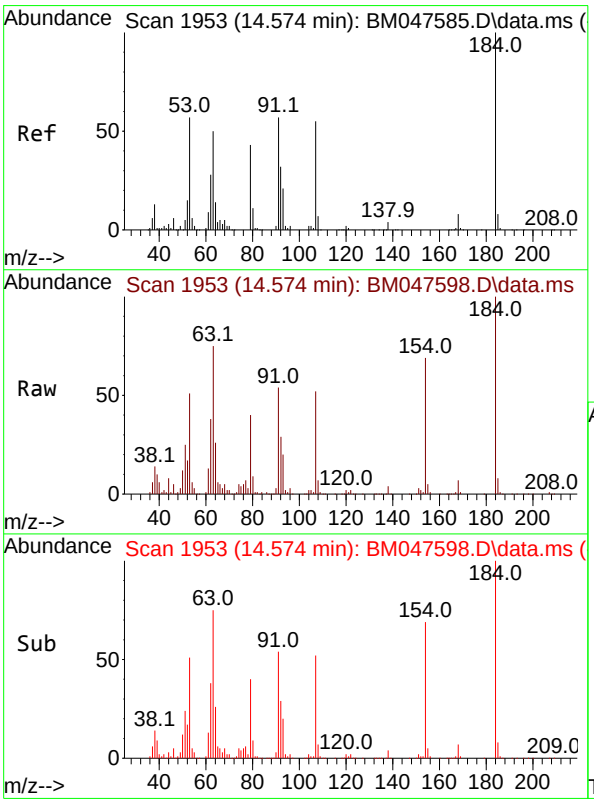
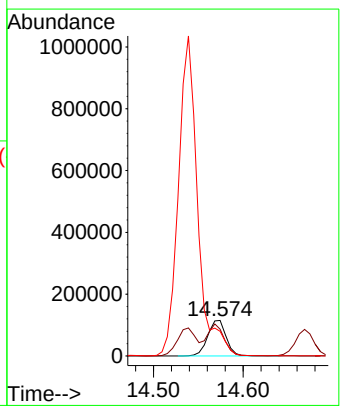
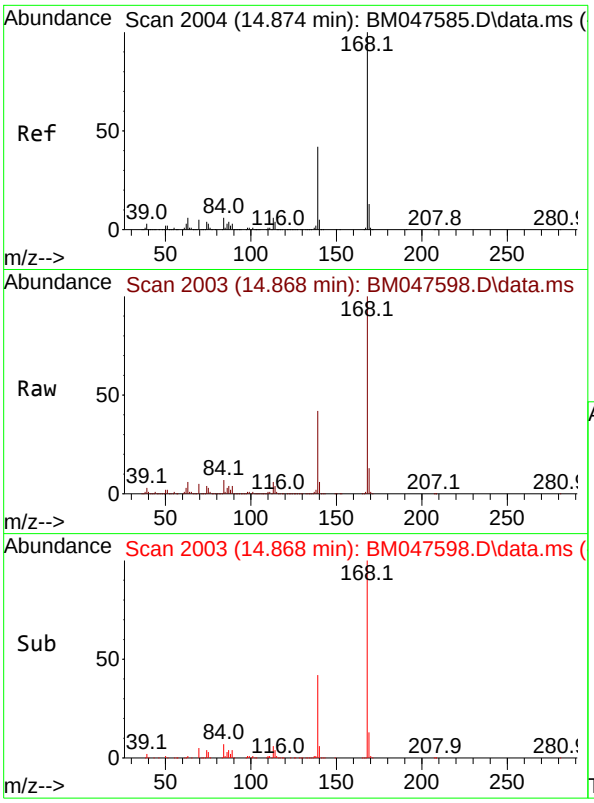


#54
2,4-Dinitrophenol
Concen: 38.901 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:184 Resp: 165009

Ion	Ratio	Lower	Upper
184	100		
63	75.3	69.0	103.6
154	69.5	59.7	89.5

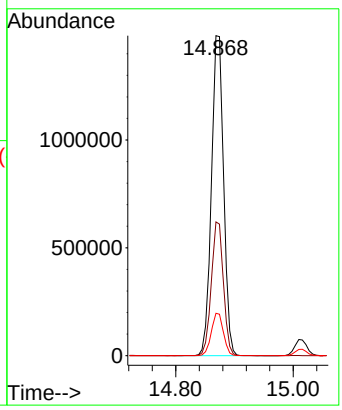




#55
Dibenzofuran
Concen: 39.231 ng
RT: 14.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:168 Resp: 213034

Ion	Ratio	Lower	Upper
168	100		
139	41.8	33.4	50.2
169	13.3	10.4	15.6



Instrument :
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ClientSampleId :
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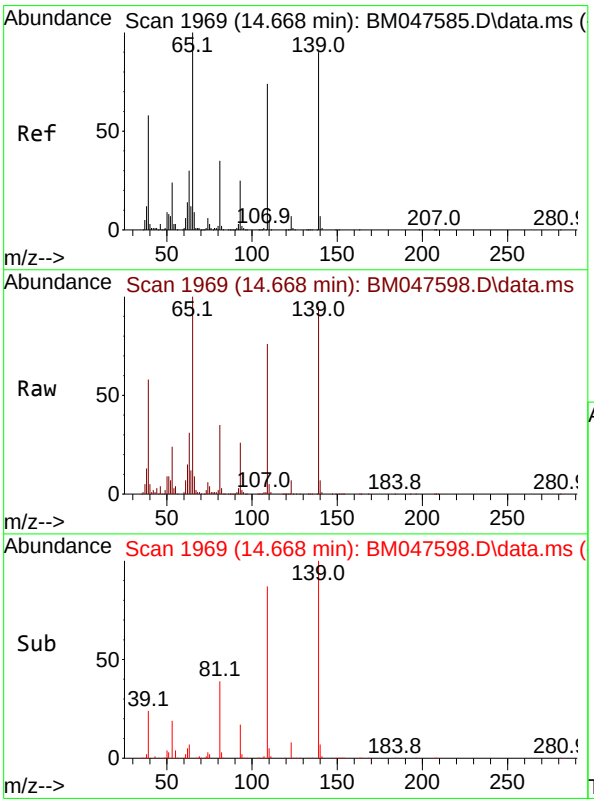
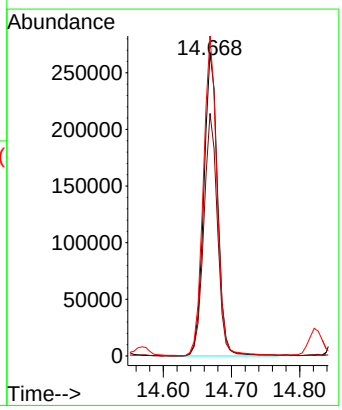
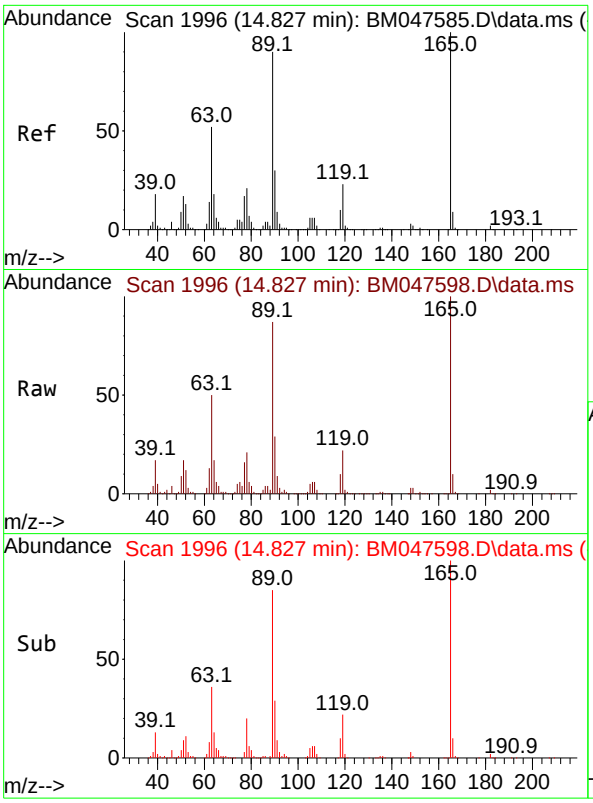


#56
4-Nitrophenol
Concen: 41.090 ng
RT: 14.668 min Scan# 1969
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:139 Resp: 377862

Ion	Ratio	Lower	Upper
139	100		
109	80.0	63.1	103.1
65	105.5	91.8	131.8

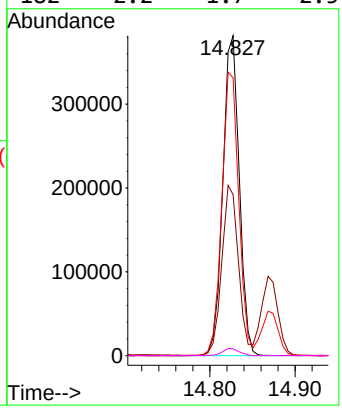




#57
2,4-Dinitrotoluene
Concen: 41.112 ng
RT: 14.827 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:165 Resp: 51259

Ion	Ratio	Lower	Upper
165	100		
63	50.4	41.6	62.4
89	86.8	71.7	107.5
182	2.2	1.7	2.5



Instrument :
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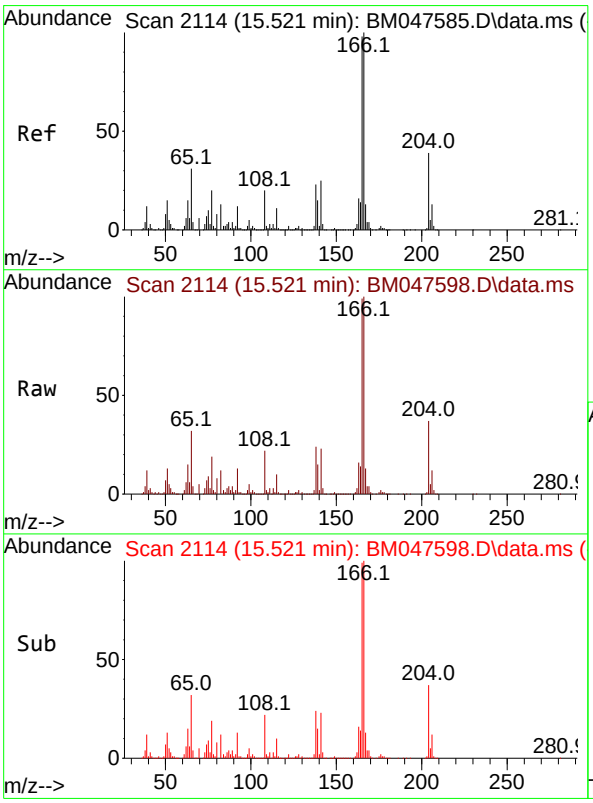
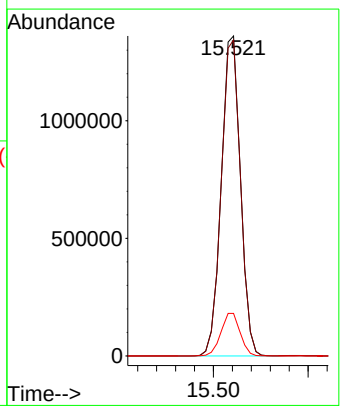
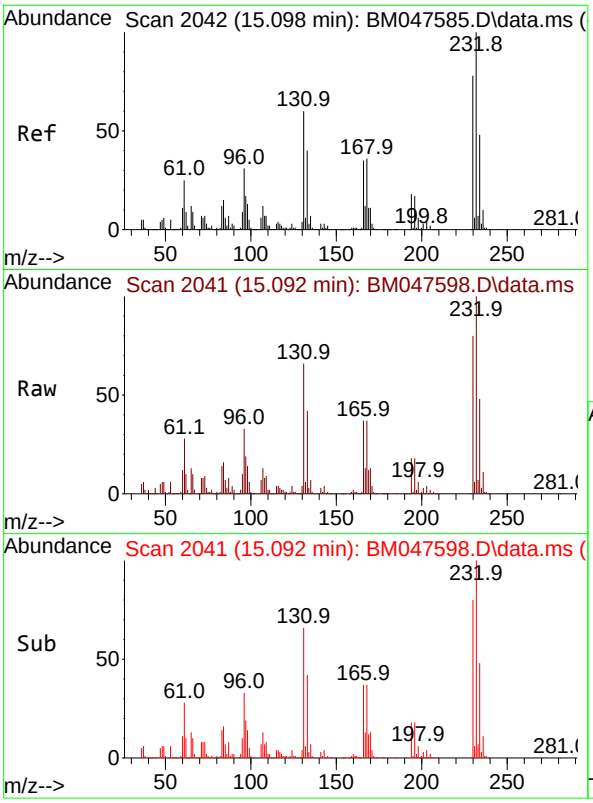


#58
Fluorene
Concen: 39.761 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:166 Resp: 1910907

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.4	117.6
167	13.3	10.5	15.7

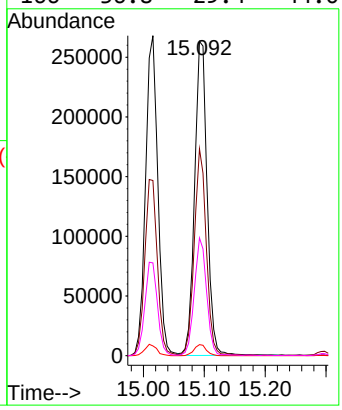




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.372 ng
RT: 15.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:232 Resp: 37528

Ion	Ratio	Lower	Upper
232	100		
131	63.2	50.3	75.5
130	3.5	3.0	4.4
166	36.8	29.4	44.0



Instrument :
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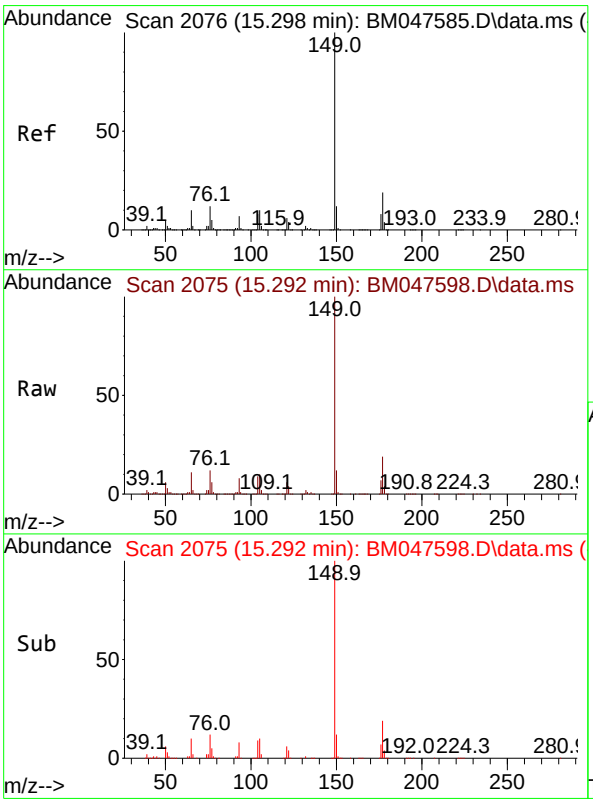
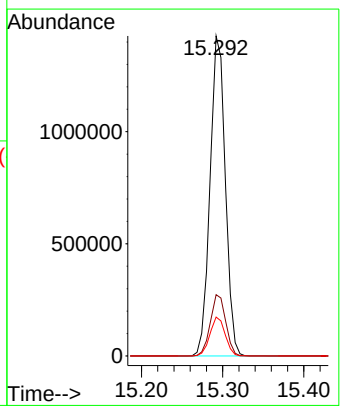
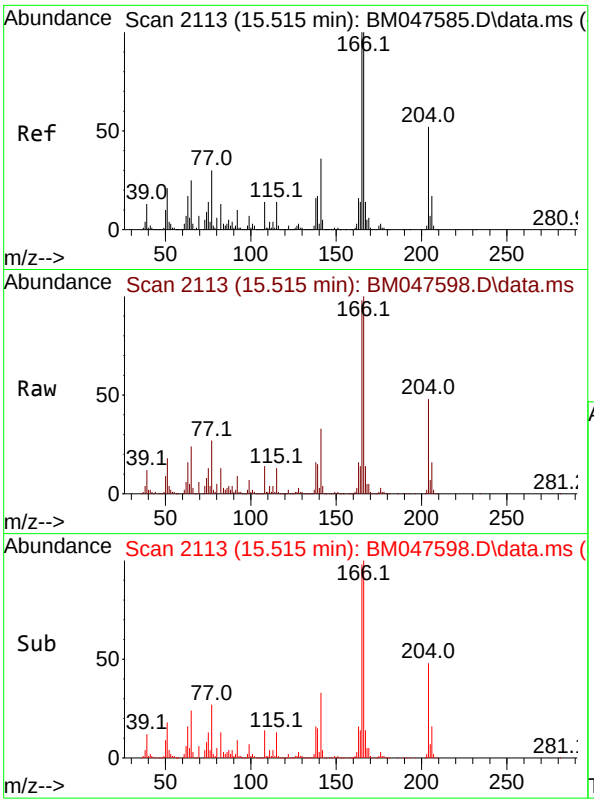


#60
Diethylphthalate
Concen: 39.118 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:149 Resp: 1862510

Ion	Ratio	Lower	Upper
149	100		
177	19.1	15.4	23.0
150	12.2	9.4	14.0





#61
4-Chlorophenyl-phenylether
Concen: 39.485 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:204 Resp: 82916

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.2
141	69.1	55.3	82.9

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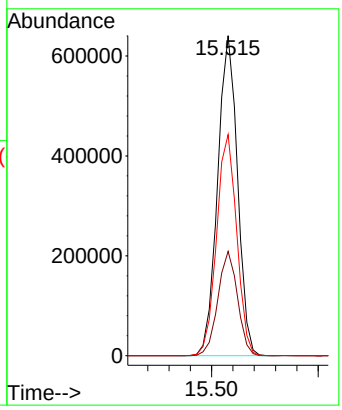

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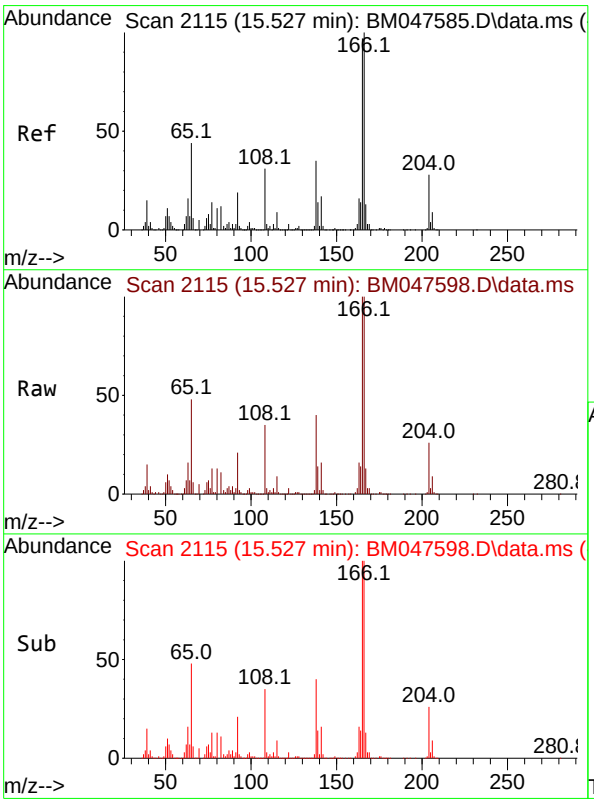
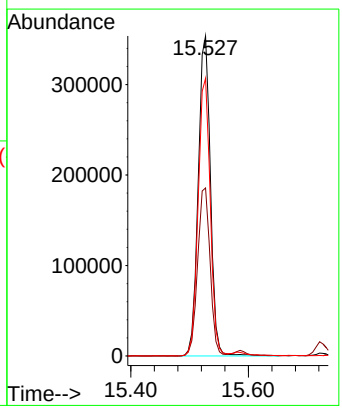
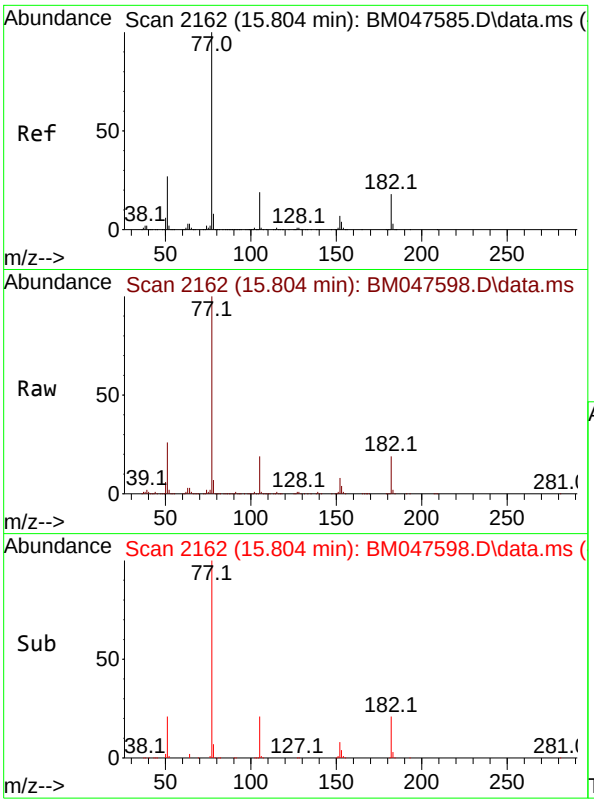


#62
4-Nitroaniline
Concen: 42.166 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:138 Resp: 509868

Ion	Ratio	Lower	Upper
138	100		
92	52.5	33.3	73.3
108	86.8	66.2	106.2

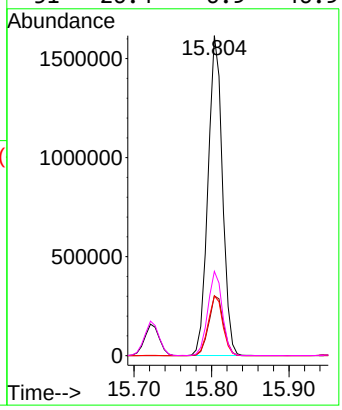




#63
Azobenzene
Concen: 39.952 ng
RT: 15.804 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion: 77 Resp: 207960

Ion	Ratio	Lower	Upper
77	100		
182	18.7	0.0	38.2
105	18.7	0.0	38.8
51	26.4	6.9	46.9



Instrument :
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ClientSampleId :
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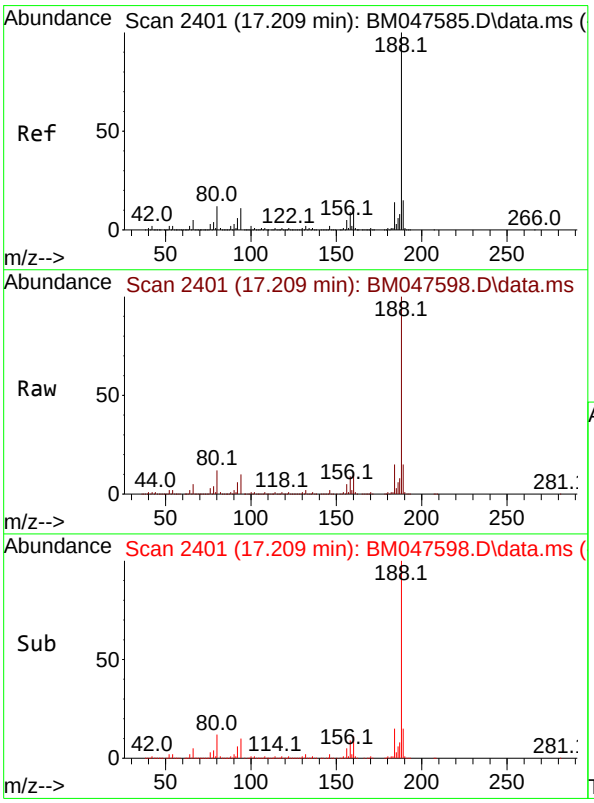
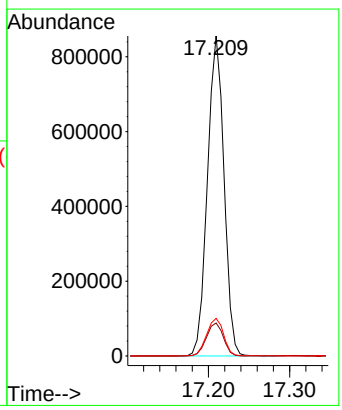
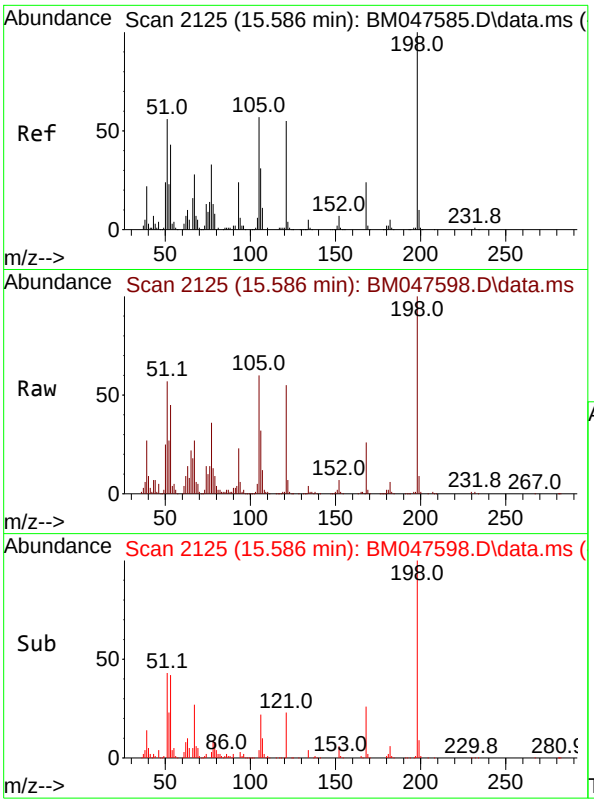


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:188 Resp: 1210247

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.6	13.0
80	11.7	9.9	14.9





#65
4,6-Dinitro-2-methylphenol
Concen: 39.295 ng
RT: 15.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:198 Resp: 22534

Ion	Ratio	Lower	Upper
198	100		
51	56.8	38.2	78.2
105	59.6	38.0	78.0

Instrument :
BNA_M
ClientSampleId :
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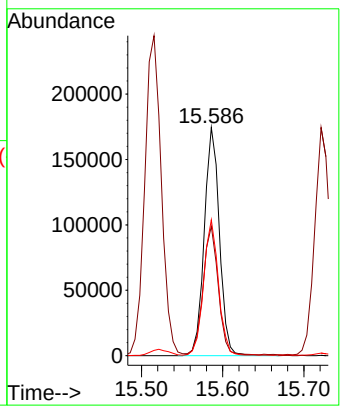

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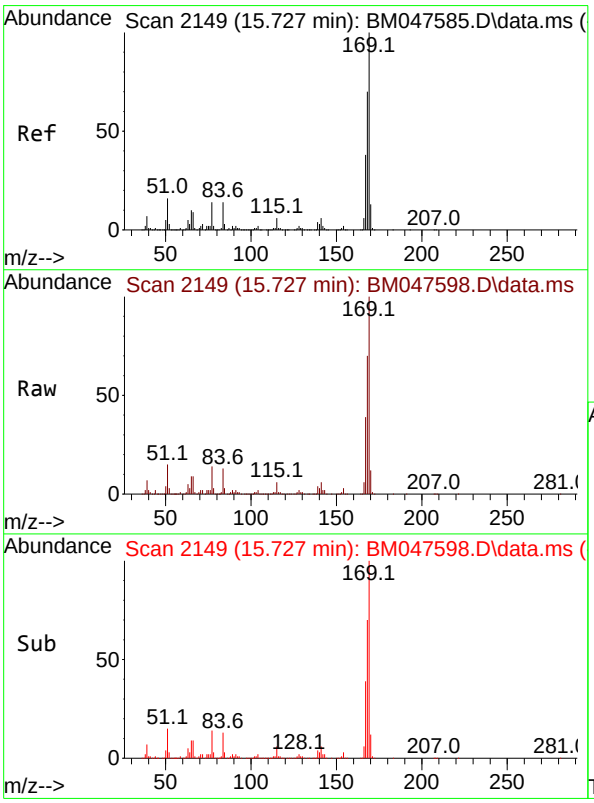
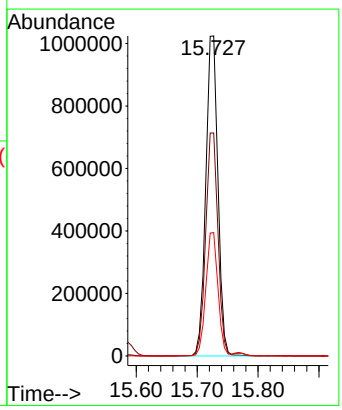
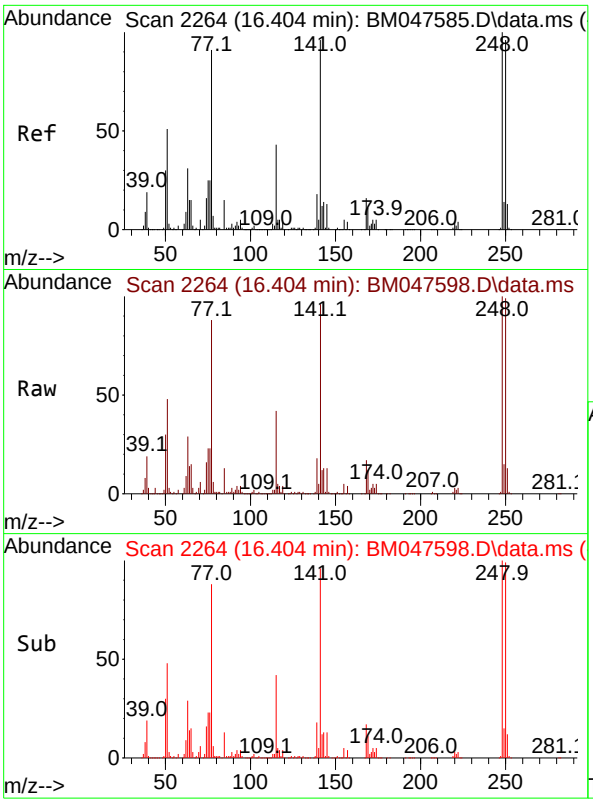


#66
n-Nitrosodiphenylamine
Concen: 39.260 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:169 Resp: 1419099

Ion	Ratio	Lower	Upper
169	100		
168	69.7	55.8	83.8
167	38.5	30.7	46.1





#67
4-Bromophenyl-phenylether
Concen: 39.301 ng
RT: 16.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:248 Resp: 43207

Ion	Ratio	Lower	Upper
248	100		
250	99.4	76.7	115.1
141	95.8	76.7	115.1

Instrument :
BNA_M
ClientSampleId :
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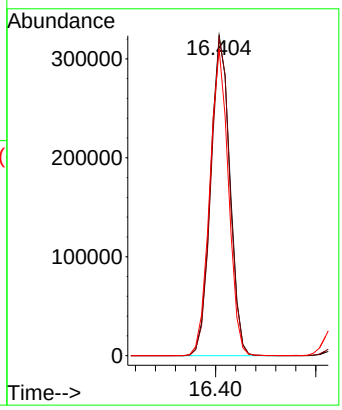

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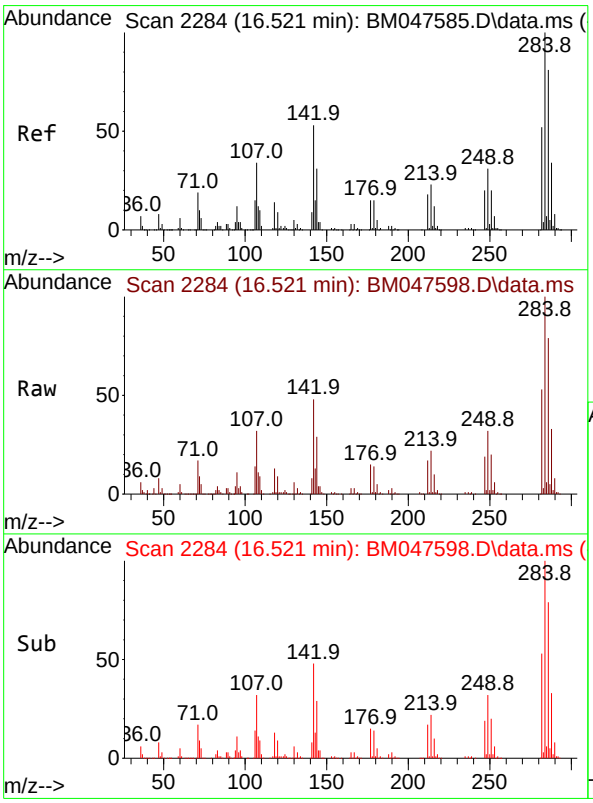
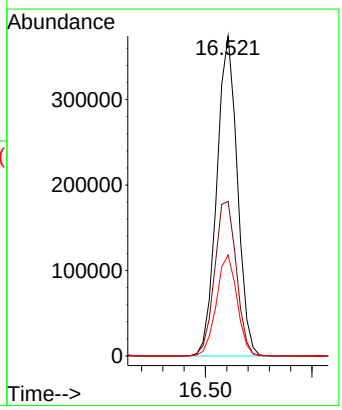
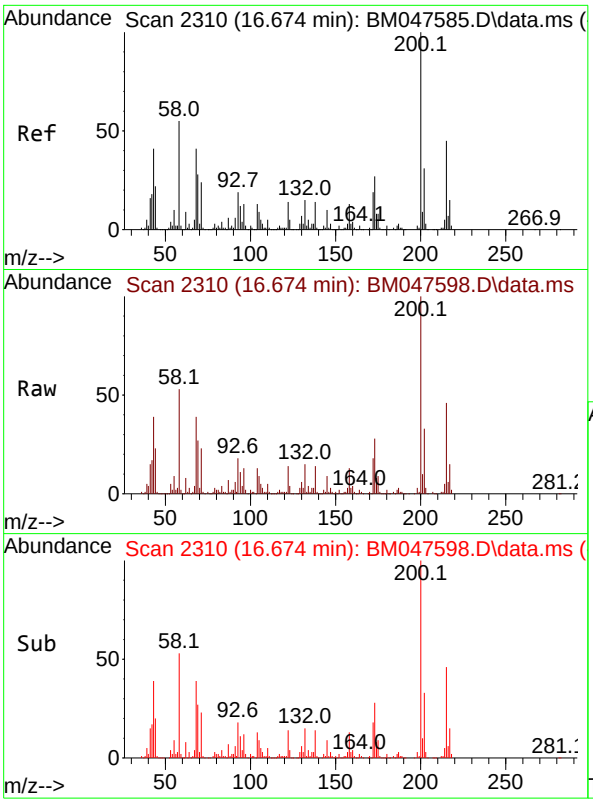


#68
Hexachlorobenzene
Concen: 38.910 ng
RT: 16.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:284 Resp: 500091

Ion	Ratio	Lower	Upper
284	100		
142	48.3	42.5	63.7
249	31.5	25.0	37.6

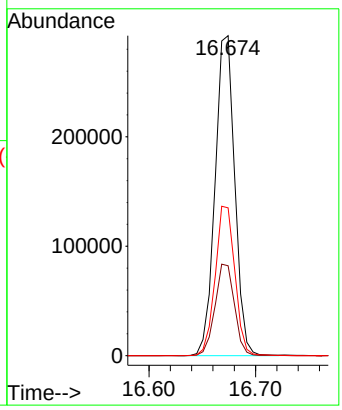




#69
Atrazine
Concen: 43.058 ng
RT: 16.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:200 Resp: 37469

Ion	Ratio	Lower	Upper
200	100		
173	28.1	7.4	47.4
215	46.2	24.5	64.5



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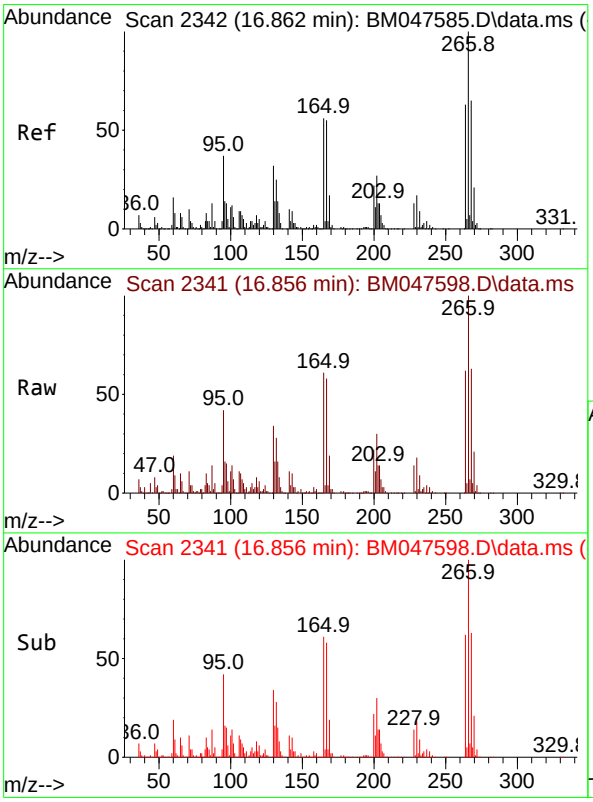
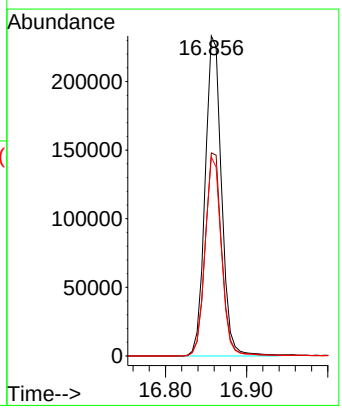
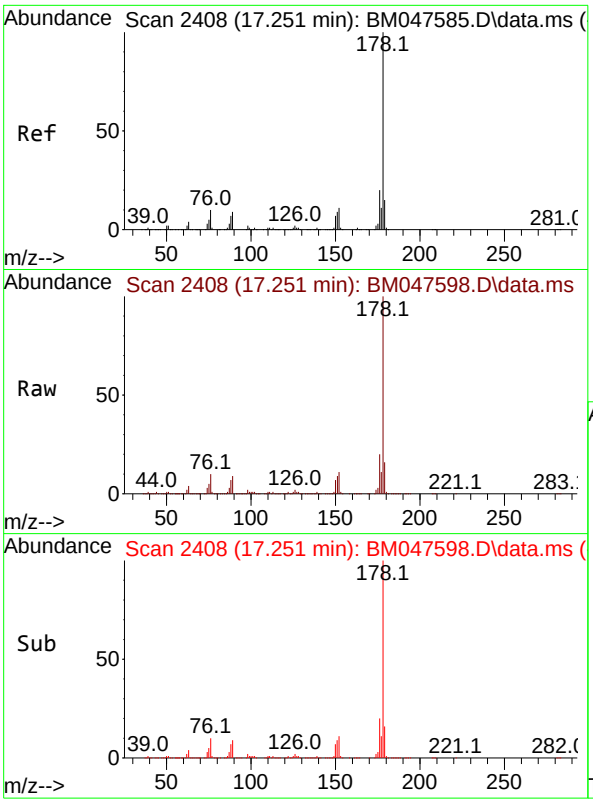


#70
Pentachlorophenol
Concen: 40.424 ng
RT: 16.856 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:266 Resp: 326089

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.2	78.4
264	62.2	50.0	75.0

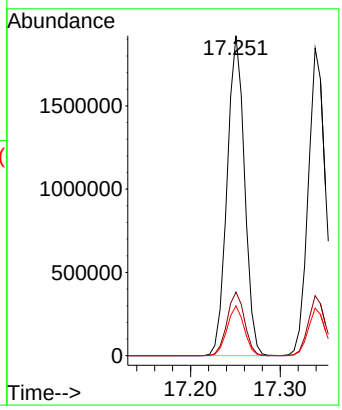




#71
Phenanthrene
Concen: 39.445 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:178 Resp: 259129

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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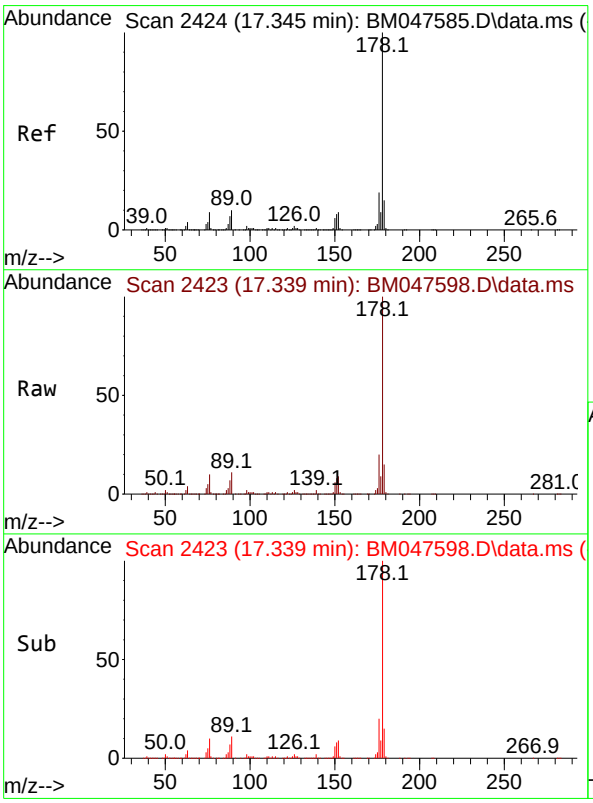
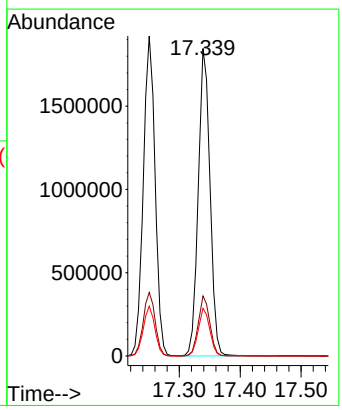
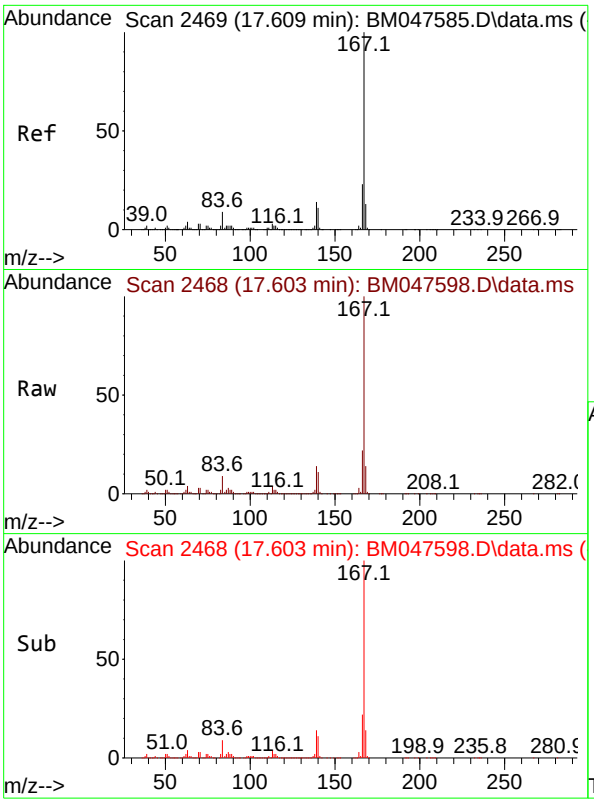


#72
Anthracene
Concen: 39.836 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:178 Resp: 2479458

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.2	18.2





#73
Carbazole
Concen: 39.559 ng
RT: 17.603 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 256563

Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.0	27.0
139	14.3	11.3	16.9

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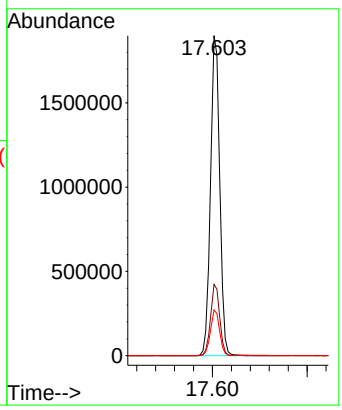

Supervised By :mohammad ahmed

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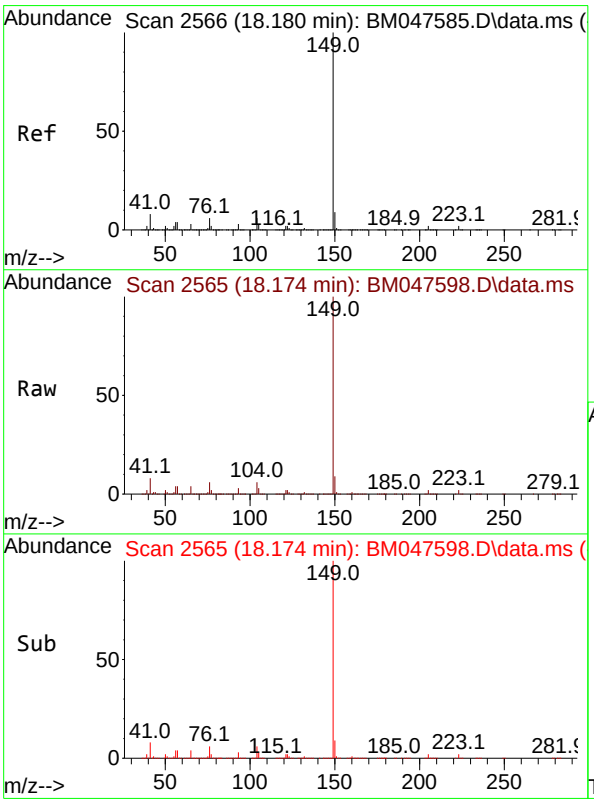
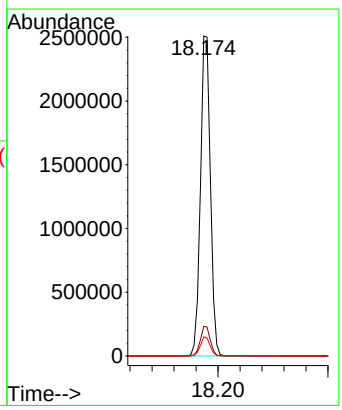
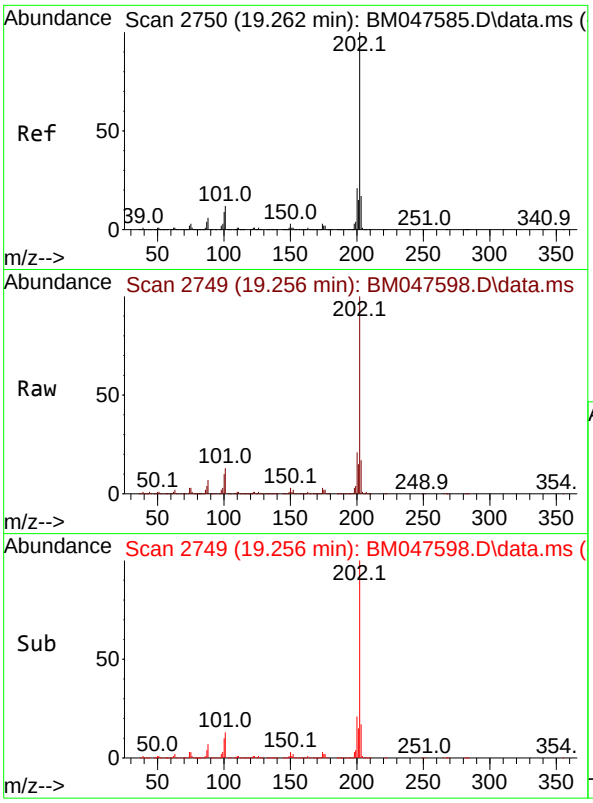


#74
Di-n-butylphthalate
Concen: 40.199 ng
RT: 18.174 min Scan# 2565
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:149 Resp: 3153449

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	6.0	4.7	7.1

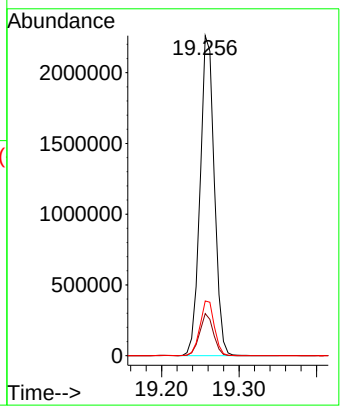




#75
Fluoranthene
Concen: 39.789 ng
RT: 19.256 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:202 Resp: 287735

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	32.2
203	17.1	0.0	37.4



Instrument :
BNA_M
ClientSampleId :
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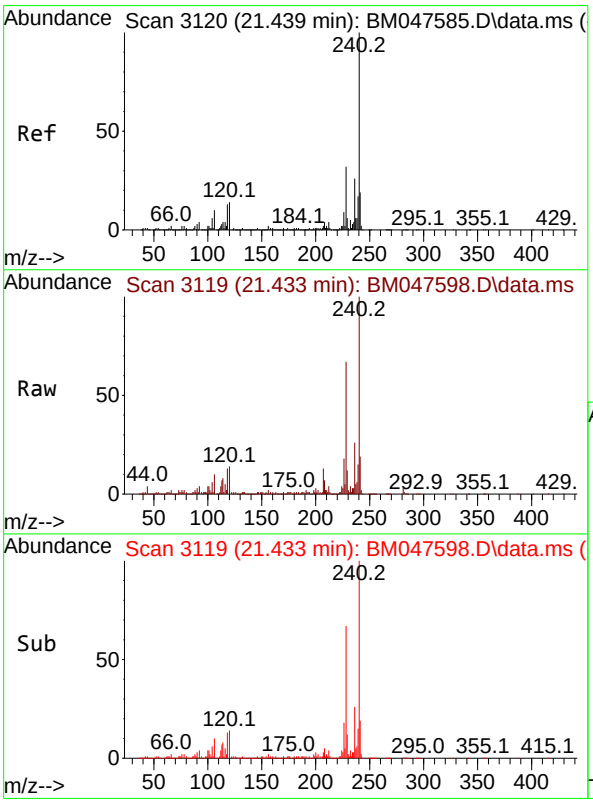
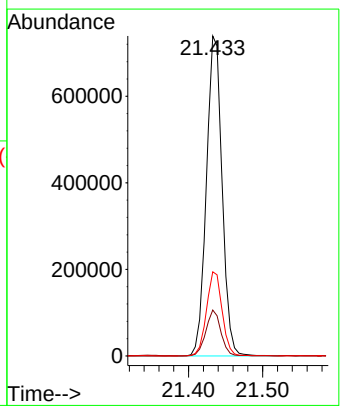
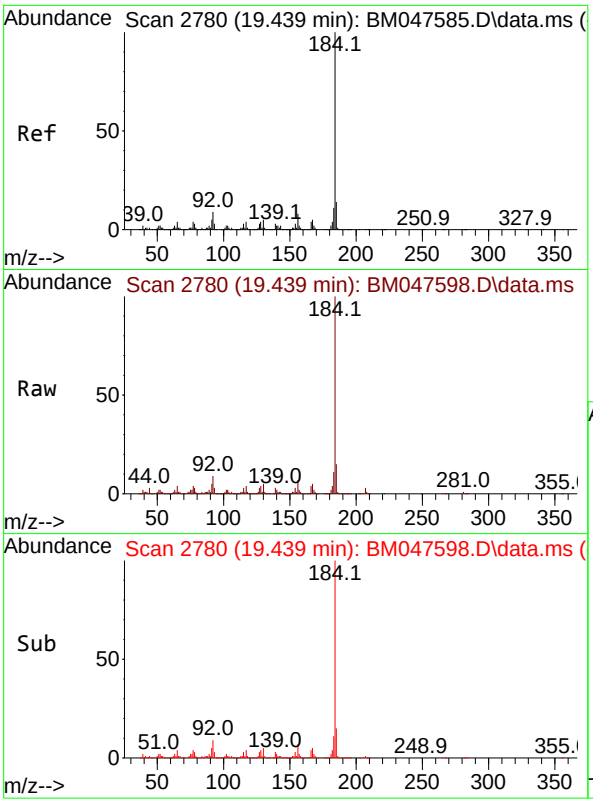


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:240 Resp: 1086931

Ion	Ratio	Lower	Upper
240	100		
120	14.4	10.8	16.2
236	26.3	20.8	31.2

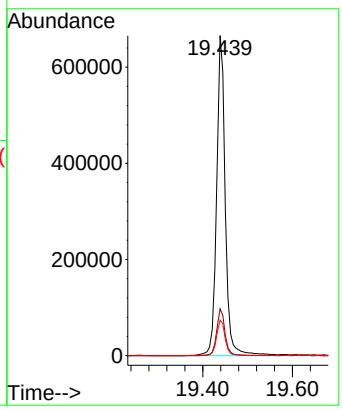




#77
Benzidine
Concen: 60.517 ng
RT: 19.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:184 Resp: 89579

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.1	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
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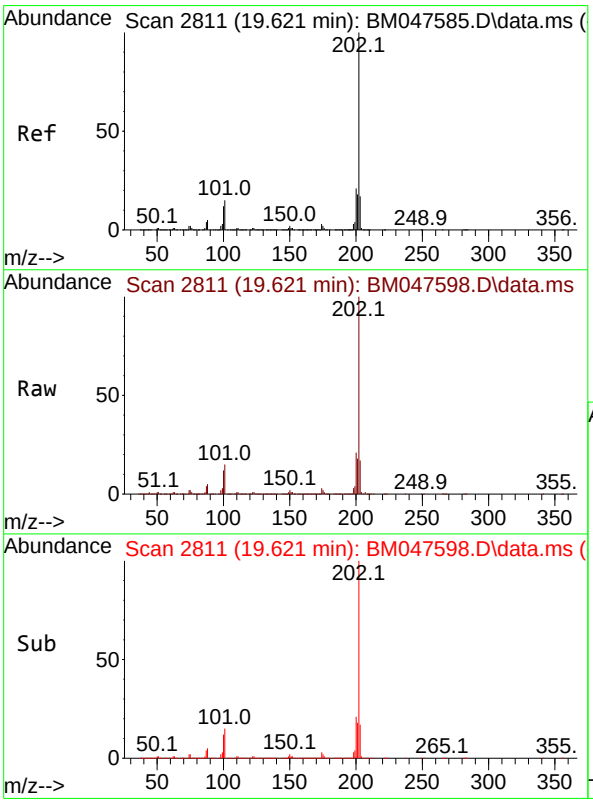
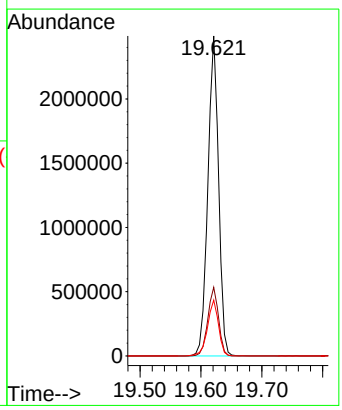
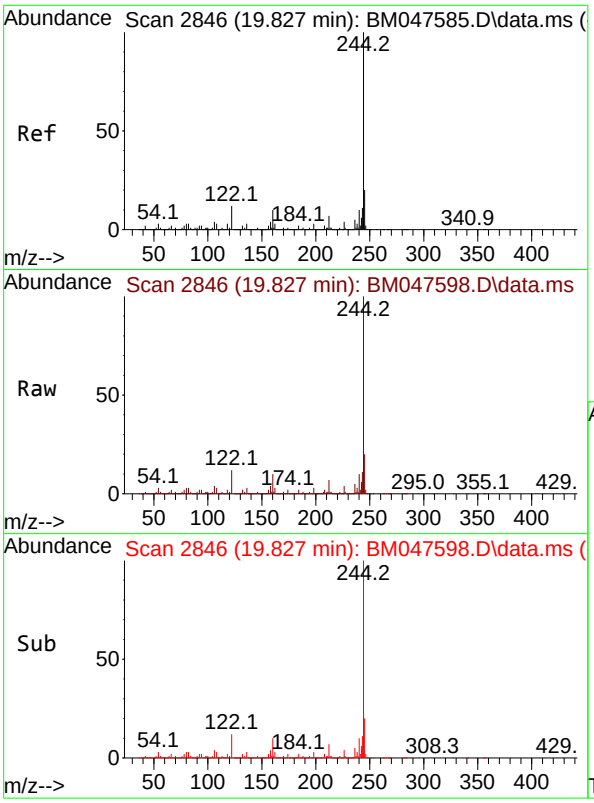


#78
Pyrene
Concen: 40.038 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:202 Resp: 3045880

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.4	13.8	20.8





#79
Terphenyl-d14
Concen: 82.754 ng
RT: 19.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:244 Resp: 501309

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	12.2	10.0	15.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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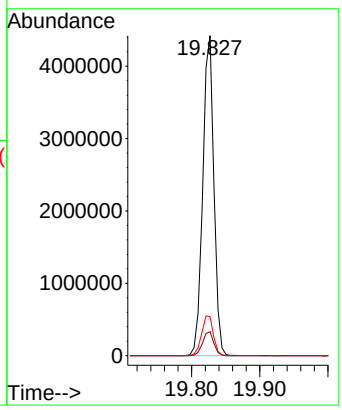

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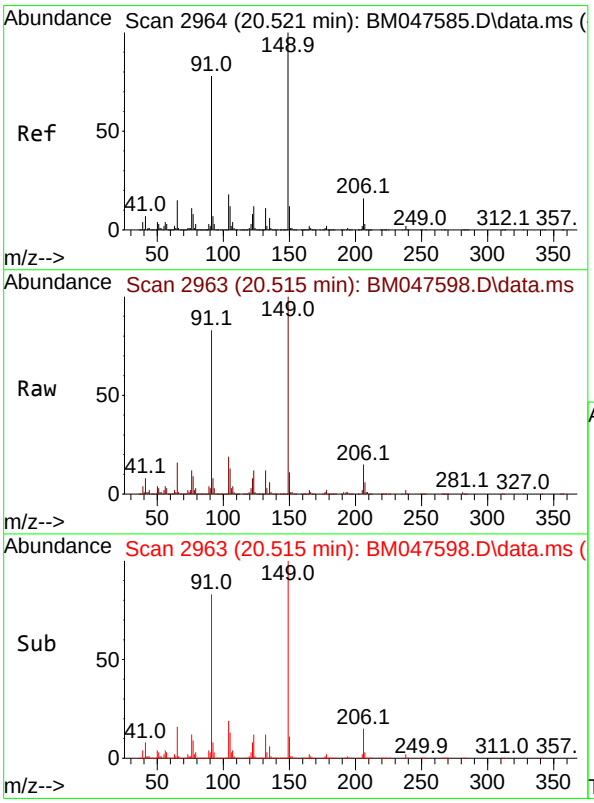
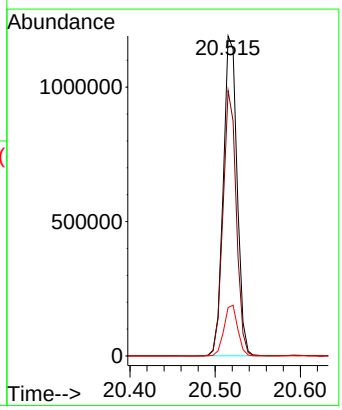
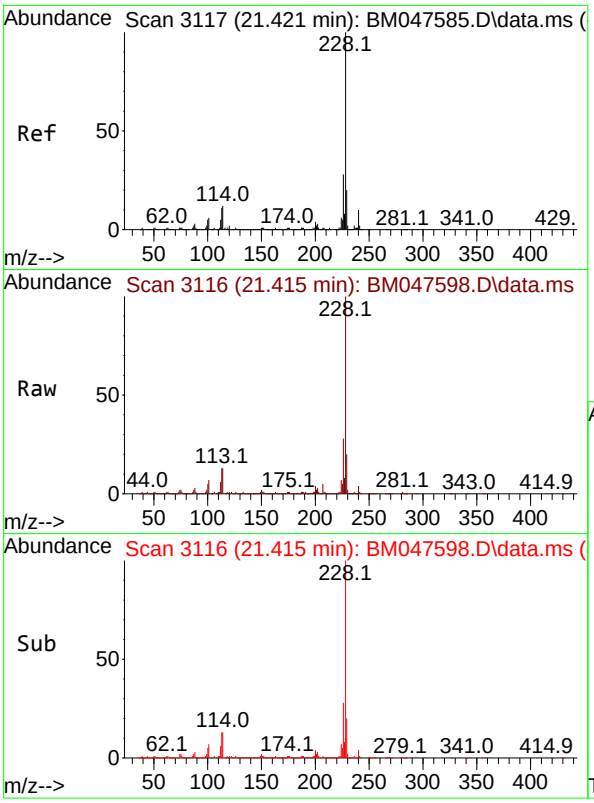


#80
Butylbenzylphthalate
Concen: 40.506 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:149 Resp: 1341524

Ion	Ratio	Lower	Upper
149	100		
91	82.9	62.3	93.5
206	15.2	13.0	19.6





#81
Benzo(a)anthracene
Concen: 39.620 ng
RT: 21.415 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:228 Resp: 283160

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.4	33.6
229	19.8	16.0	24.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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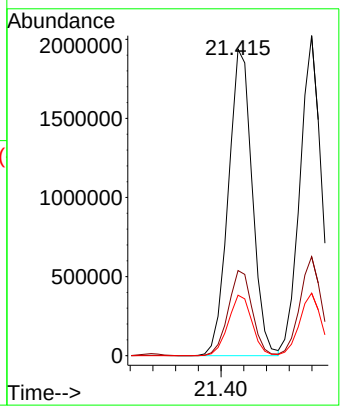
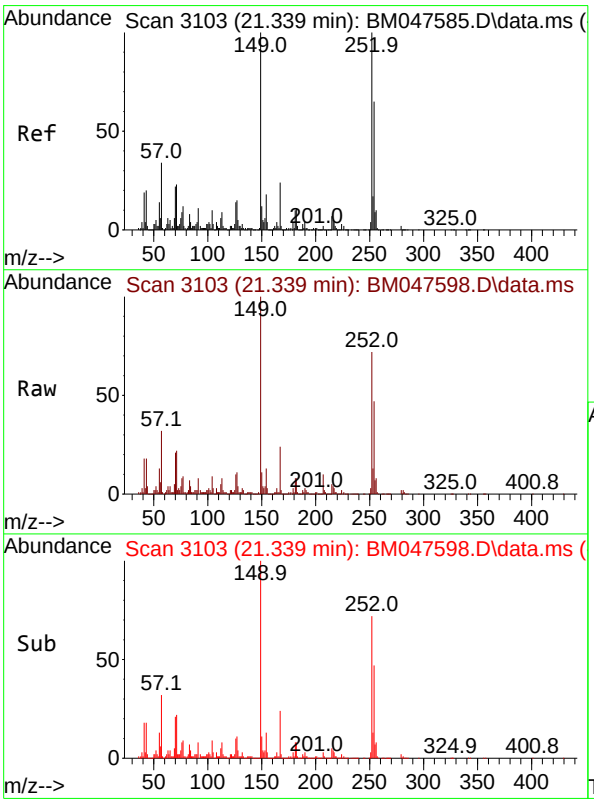
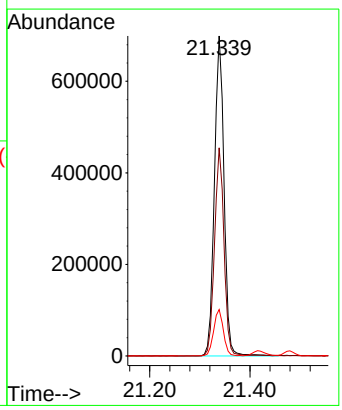


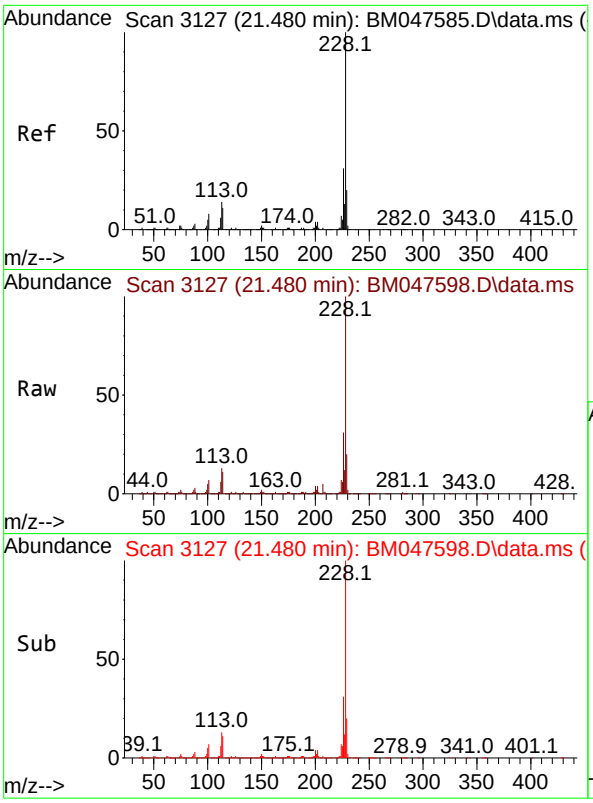


#82
3,3'-Dichlorobenzidine
Concen: 41.892 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:252 Resp: 929789

Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.3	78.5
126	14.5	11.4	17.0

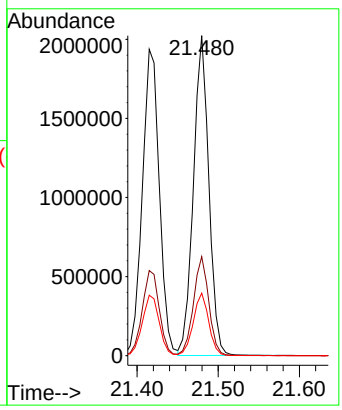




#83
Chrysene
Concen: 39.403 ng
RT: 21.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:228 Resp: 267808

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	19.5	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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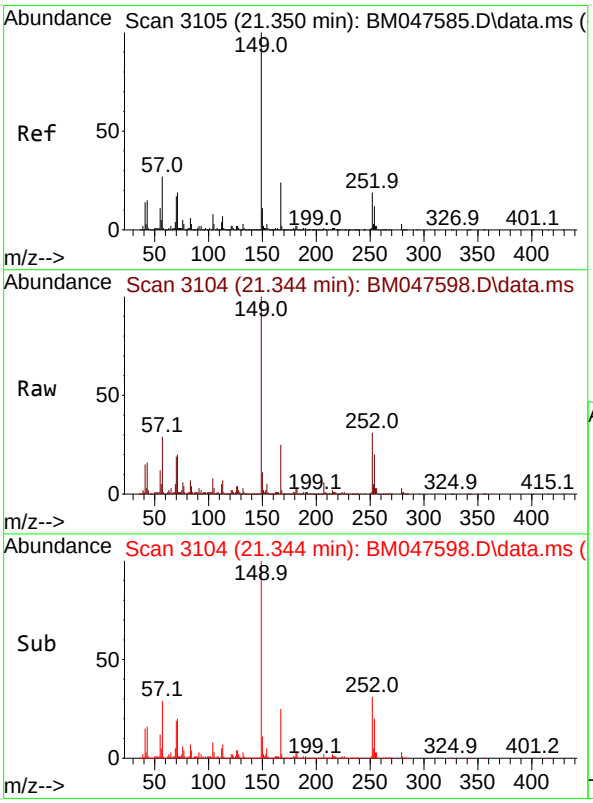
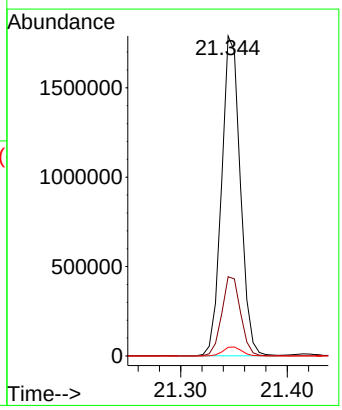
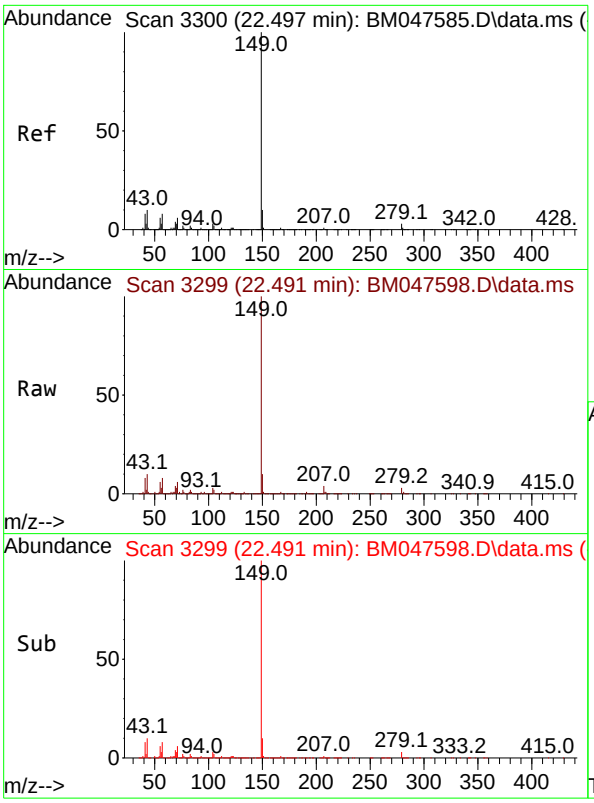


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.180 ng
RT: 21.344 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:149 Resp: 2181408

Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.5	29.3
279	2.7	2.3	3.5





#85
Di-n-octyl phthalate
Concen: 41.129 ng
RT: 22.491 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:149 Resp: 336201

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.0	8.2	12.2

Instrument :
BNA_M
ClientSampleId :
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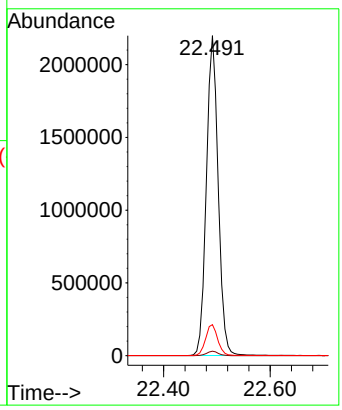
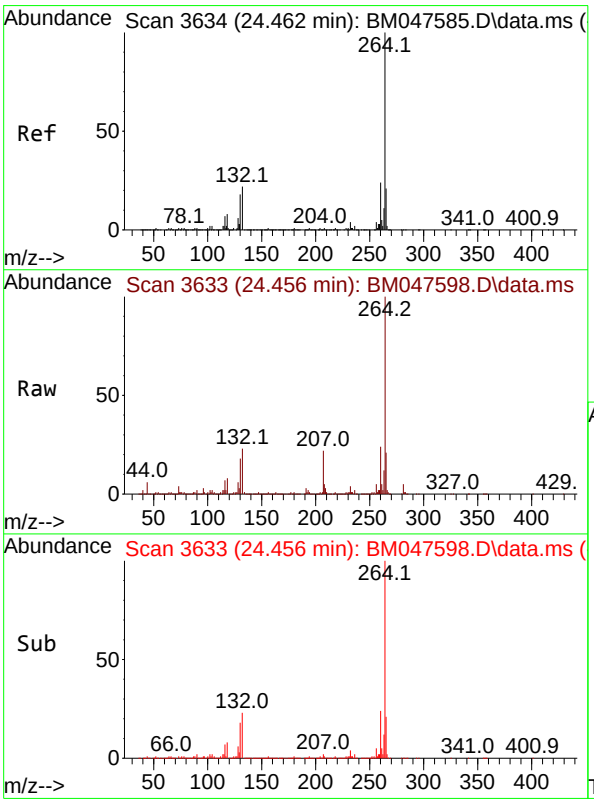
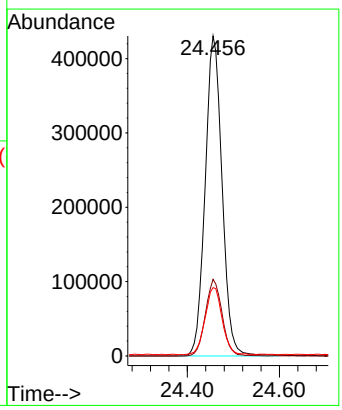


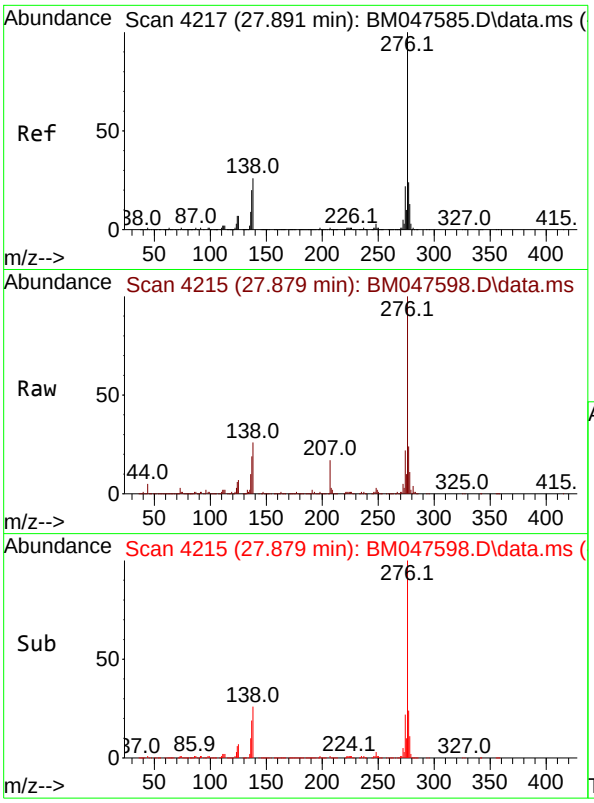


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:264 Resp: 1099777

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.4	17.0	25.6

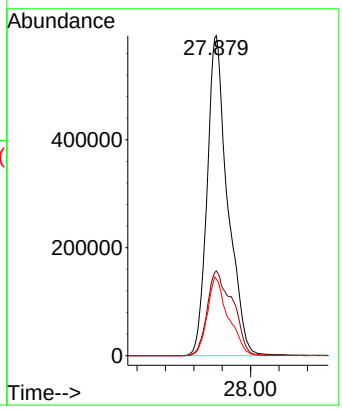




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.363 ng
RT: 27.879 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:276 Resp: 297682

Ion	Ratio	Lower	Upper
276	100		
138	32.8	18.1	27.1#
277	25.1	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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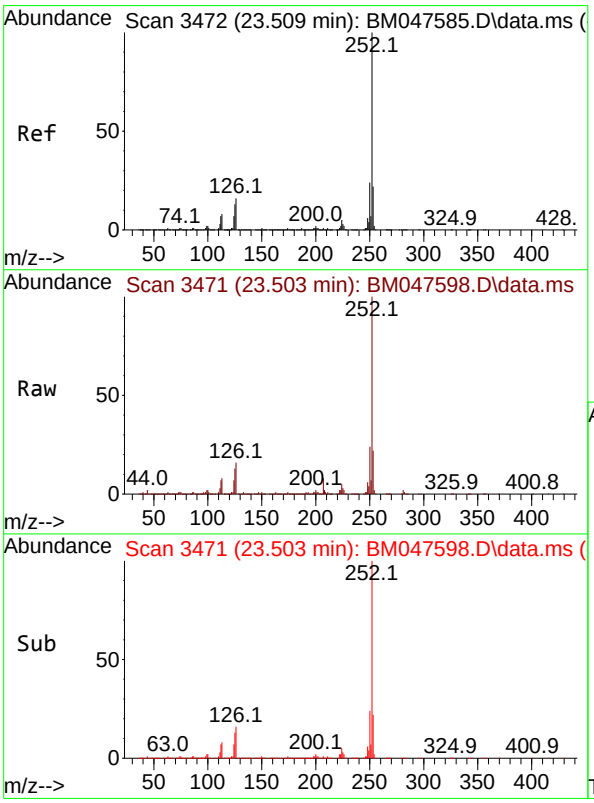
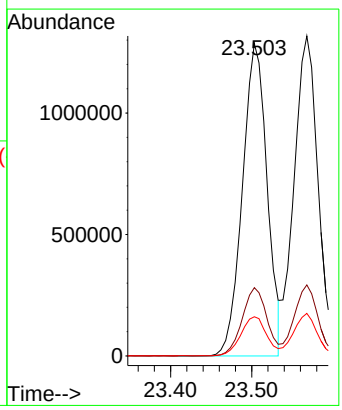
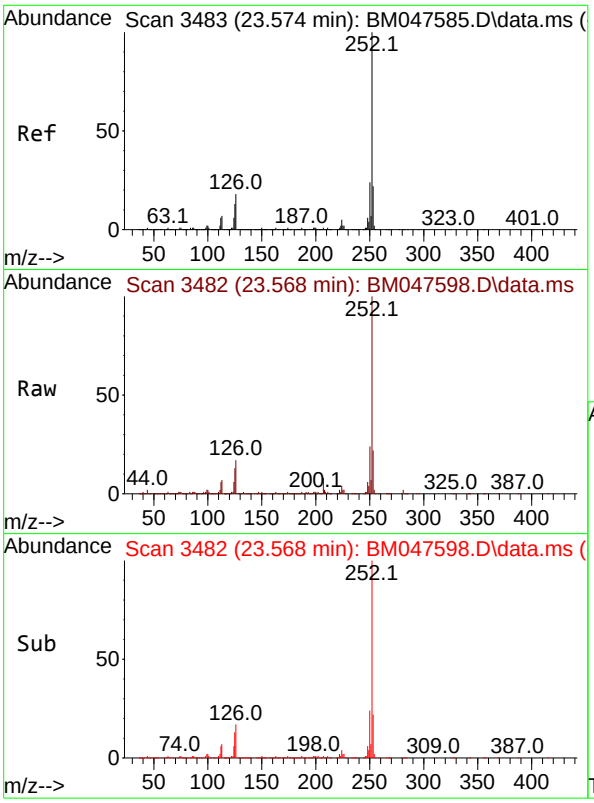


#88
Benzo(b)fluoranthene
Concen: 39.333 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:252 Resp: 2718741

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	12.5	10.2	15.2

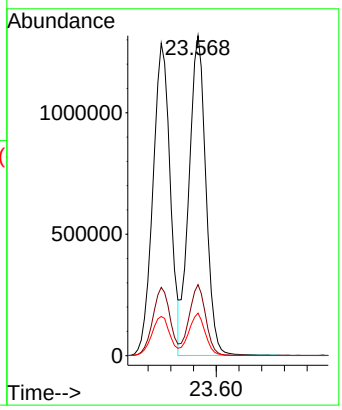




#89
Benzo(k)fluoranthene
Concen: 40.055 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:252 Resp: 271786

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	13.3	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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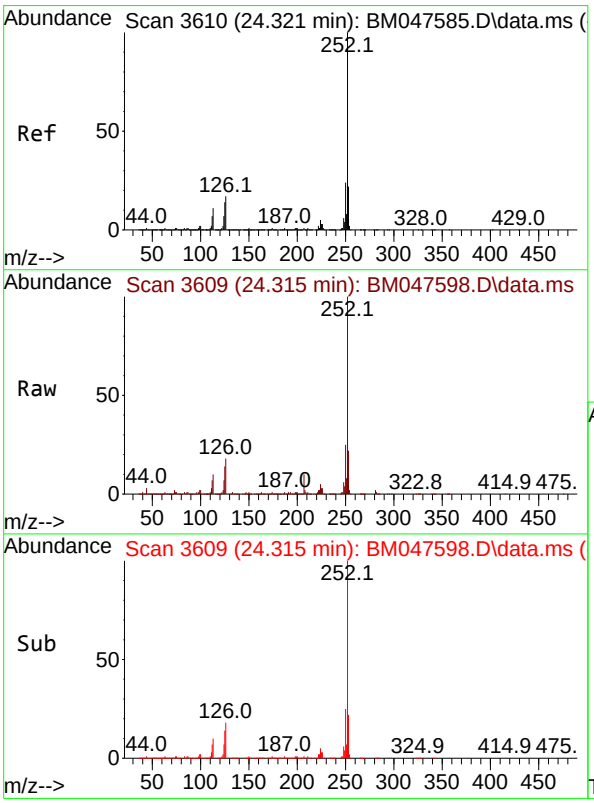
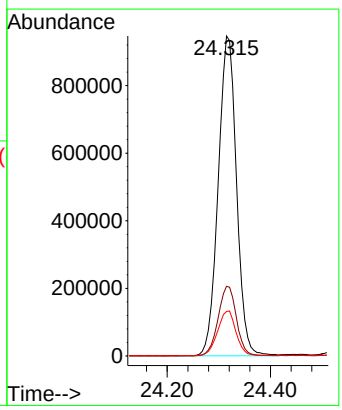
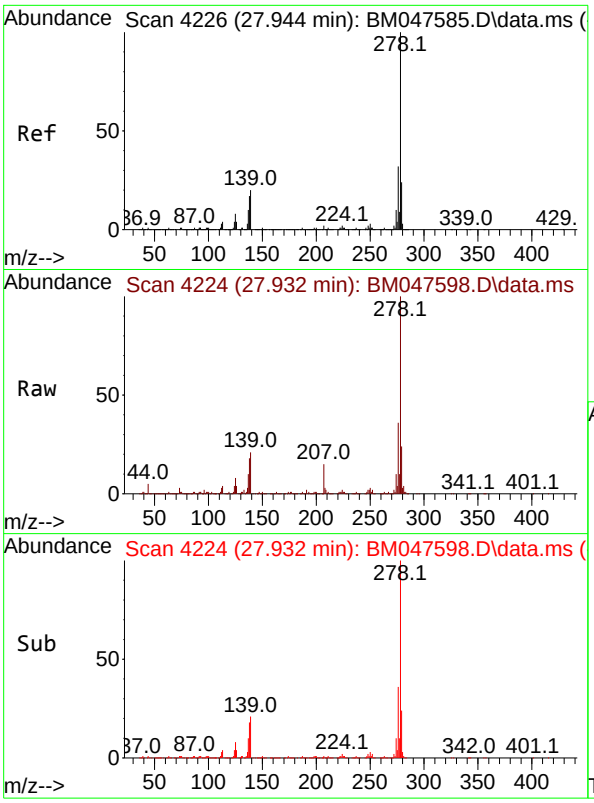


#90
Benzo(a)pyrene
Concen: 39.730 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.006 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:252 Resp: 2328345

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	13.9	11.5	17.3

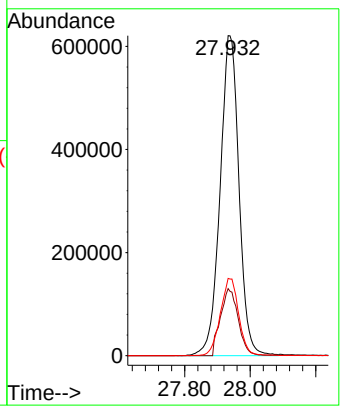




#91
Dibenzo(a,h)anthracene
Concen: 39.240 ng
RT: 27.932 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:278 Resp: 247877

Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.4	24.6
279	24.2	19.0	28.6



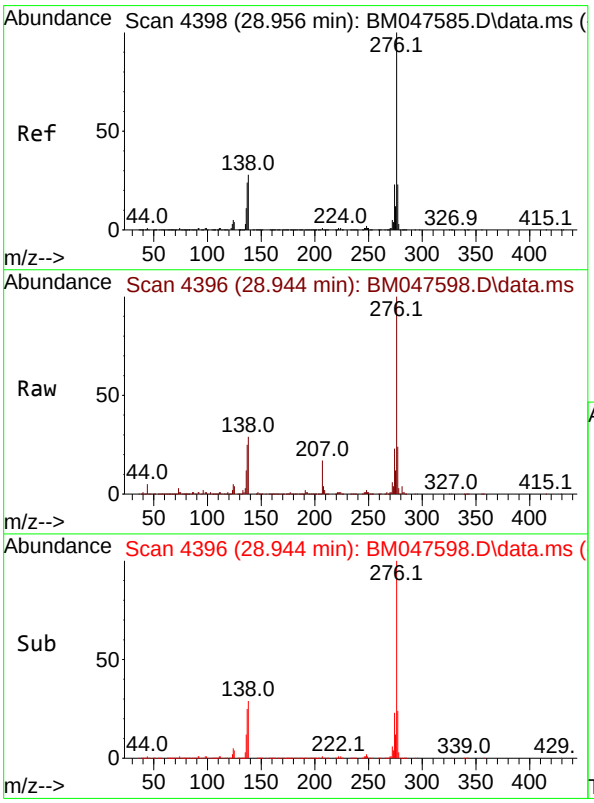
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

09/25/2024
Supervised By :mohammad ahmed

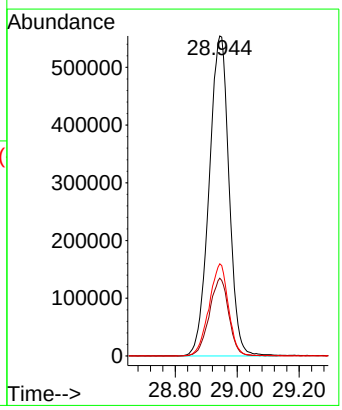
09/25/2024



#92
Benzo(g,h,i)perylene
Concen: 39.103 ng
RT: 28.944 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM047598.D
Acq: 23 Sep 2024 09:42

Tgt Ion:276 Resp: 2475534

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.3	27.5
138	28.8	22.3	33.5



Sample Results: **BM047598.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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	0.568	0.542	4.6	116	0.00
3		Pyridine	1.575	1.545	1.9	118	0.00
4		n-Nitrosodimethylamine	0.653	0.631	3.4	117	0.00
5	S	2-Fluorophenol	1.305	1.278	2.1	119	0.00
6		Aniline	1.473	1.424	3.3	114	0.00
7	S	Phenol-d6	1.720	1.696	1.4	118	0.00
8		2-Chlorophenol	1.366	1.335	2.3	119	0.00
9		Benzaldehyde	0.878	0.761	13.3	109	0.00
10	C	Phenol	1.707	1.677	1.8	117	0.00
11		bis(2-Chloroethyl)ether	1.372	1.333	2.8	119	0.00
12		1,3-Dichlorobenzene	1.511	1.458	3.5	119	0.00
13	C	1,4-Dichlorobenzene	1.529	1.477	3.4	118	0.00
14		1,2-Dichlorobenzene	1.474	1.431	2.9	118	0.00
15		Benzyl Alcohol	1.110	1.084	2.3	117	0.00
16		2,2'-oxybis(1-Chloropropane	1.749	1.667	4.7	117	0.00
17		2-Methylphenol	1.073	1.056	1.6	116	0.00
18		Hexachloroethane	0.620	0.594	4.2	116	0.00
19	P	n-Nitroso-di-n-propylamine	1.053	1.034	1.8	116	0.00
20		3+4-Methylphenols	1.462	1.431	2.1	117	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00
22		Acetophenone	0.521	0.507	2.7	117	0.00
23	S	Nitrobenzene-d5	0.402	0.396	1.5	116	0.00
24		Nitrobenzene	0.415	0.405	2.4	116	0.00
25		Isophorone	0.671	0.657	2.1	116	0.00
26	C	2-Nitrophenol	0.146	0.144	1.4	116	0.00
27		2,4-Dimethylphenol	0.208	0.204	1.9	117	0.00
28		bis(2-Chloroethoxy)methane	0.432	0.423	2.1	118	0.00
29	C	2,4-Dichlorophenol	0.263	0.262	0.4	118	0.00
30		1,2,4-Trichlorobenzene	0.300	0.290	3.3	118	0.00
31		Naphthalene	1.058	1.032	2.5	118	0.00
32		Benzoic acid	0.194	0.194	0.0	112	0.00
33		4-Chloroaniline	0.373	0.368	1.3	115	0.00
34	C	Hexachlorobutadiene	0.163	0.158	3.1	118	0.00
35		Caprolactam	0.091	0.090	1.1	112	0.00
36	C	4-Chloro-3-methylphenol	0.300	0.299	0.3	116	0.00
37		2-Methylnaphthalene	0.665	0.656	1.4	119	0.00
38		1-Methylnaphthalene	0.659	0.648	1.7	118	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	115	0.00
40		1,2,4,5-Tetrachlorobenzene	0.528	0.515	2.5	118	0.00
41	P	Hexachlorocyclopentadiene	0.174	0.174	0.0	120	0.00
42	S	2,4,6-Tribromophenol	0.185	0.179	3.2	111	0.00
43	C	2,4,6-Trichlorophenol	0.343	0.343	0.0	116	0.00
44		2,4,5-Trichlorophenol	0.386	0.388	-0.5	117	0.00
45	S	2-Fluorobiphenyl	1.413	1.414	-0.1	119	0.00
46		1,1'-Biphenyl	1.545	1.526	1.2	117	0.00
47		2-Chloronaphthalene	1.209	1.183	2.2	117	0.00

Sample Results: **BM047598.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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	0.361	0.364	-0.8	111	0.00
49		Acenaphthylene	1.739	1.718	1.2	116	0.00
50		Dimethylphthalate	1.381	1.344	2.7	113	0.00
51		2,6-Dinitrotoluene	0.289	0.294	-1.7	114	0.00
52	C	Acenaphthene	1.149	1.124	2.2	116	0.00
53		3-Nitroaniline	0.332	0.339	-2.1	112	0.00
54	P	2,4-Dinitrophenol	0.131	0.128	2.3	112	0.00
55		Dibenzofuran	1.679	1.647	1.9	116	0.00
56	P	4-Nitrophenol	0.284	0.292	-2.8	110	0.00
57		2,4-Dinitrotoluene	0.386	0.396	-2.6	112	0.00
58		Fluorene	1.486	1.477	0.6	114	0.00
59		2,3,4,6-Tetrachlorophenol	0.295	0.290	1.7	113	0.00
60		Diethylphthalate	1.472	1.440	2.2	112	0.00
61		4-Chlorophenyl-phenylether	0.649	0.641	1.2	115	0.00
62		4-Nitroaniline	0.374	0.394	-5.3	112	0.00
63		Azobenzene	1.609	1.608	0.1	114	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	0.095	0.093	2.1	110	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.586	1.8	113	0.00
67		4-Bromophenyl-phenylether	0.182	0.179	1.6	116	0.00
68		Hexachlorobenzene	0.212	0.207	2.4	115	0.00
69		Atrazine	0.144	0.155	-7.6	107	0.00
70	C	Pentachlorophenol	0.133	0.135	-1.5	111	0.00
71		Phenanthrene	1.086	1.071	1.4	113	0.00
72		Anthracene	1.029	1.024	0.5	113	0.00
73		Carbazole	1.072	1.060	1.1	111	0.00
74		Di-n-butylphthalate	1.296	1.303	-0.5	113	0.00
75	C	Fluoranthene	1.195	1.189	0.5	112	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	109	0.00
77		Benzidine	0.272	0.412	-51.5#	117	0.00
78		Pyrene	1.400	1.401	-0.1	111	0.00
79	S	Terphenyl-d14	1.115	1.153	-3.4	111	0.00
80		Butylbenzylphthalate	0.609	0.617	-1.3	110	0.00
81		Benzo(a)anthracene	1.315	1.303	0.9	110	0.00
82		3,3'-Dichlorobenzidine	0.408	0.428	-4.9	110	0.00
83		Chrysene	1.251	1.232	1.5	109	0.00
84		Bis(2-ethylhexyl)phthalate	0.975	1.003	-2.9	112	0.00
85	c	Di-n-octyl phthalate	1.504	1.547	-2.9	112	0.00
86	I	Perylene-d12	1.000	1.000	0.0	109	0.00
87		Indeno(1,2,3-cd)pyrene	1.375	1.353	1.6	108	-0.01
88		Benzo(b)fluoranthene	1.257	1.236	1.7	108	0.00
89		Benzo(k)fluoranthene	1.234	1.236	-0.2	110	0.00
90	C	Benzo(a)pyrene	1.066	1.059	0.7	109	0.00
91		Dibenzo(a,h)anthracene	1.149	1.127	1.9	108	-0.01
92		Benzo(g,h,i)perylene	1.151	1.125	2.3	108	-0.01

Sample Results: **BM047598.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM047598.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 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	38.117	4.7	116	0.00
3		Pyridine	40.000	39.223	1.9	118	0.00
4		n-Nitrosodimethylamine	40.000	38.625	3.4	117	0.00
5	S	2-Fluorophenol	80.000	78.366	2.0	119	0.00
6		Aniline	40.000	38.671	3.3	114	0.00
7	S	Phenol-d6	80.000	78.920	1.3	118	0.00
8		2-Chlorophenol	40.000	39.077	2.3	119	0.00
9		Benzaldehyde	40.000	34.672	13.3	109	0.00
10	C	Phenol	40.000	39.287	1.8	117	0.00
11		bis(2-Chloroethyl)ether	40.000	38.860	2.9	119	0.00
12		1,3-Dichlorobenzene	40.000	38.608	3.5	119	0.00
13	C	1,4-Dichlorobenzene	40.000	38.649	3.4	118	0.00
14		1,2-Dichlorobenzene	40.000	38.828	2.9	118	0.00
15		Benzyl Alcohol	40.000	39.078	2.3	117	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.112	4.7	117	0.00
17		2-Methylphenol	40.000	39.349	1.6	116	0.00
18		Hexachloroethane	40.000	38.333	4.2	116	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.280	1.8	116	0.00
20		3+4-Methylphenols	40.000	39.169	2.1	117	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	118	0.00
22		Acetophenone	40.000	38.942	2.6	117	0.00
23	S	Nitrobenzene-d5	80.000	78.917	1.4	116	0.00
24		Nitrobenzene	40.000	38.999	2.5	116	0.00
25		Isophorone	40.000	39.115	2.2	116	0.00
26	C	2-Nitrophenol	40.000	39.524	1.2	116	0.00
27		2,4-Dimethylphenol	40.000	39.321	1.7	117	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.204	2.0	118	0.00
29	C	2,4-Dichlorophenol	40.000	39.895	0.3	118	0.00
30		1,2,4-Trichlorobenzene	40.000	38.708	3.2	118	0.00
31		Naphthalene	40.000	38.998	2.5	118	0.00
32		Benzoic acid	40.000	39.981	0.0	112	0.00
33		4-Chloroaniline	40.000	39.450	1.4	115	0.00
34	C	Hexachlorobutadiene	40.000	38.784	3.0	118	0.00
35		Caprolactam	40.000	39.687	0.8	112	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.862	0.3	116	0.00
37		2-Methylnaphthalene	40.000	39.495	1.3	119	0.00
38		1-Methylnaphthalene	40.000	39.280	1.8	118	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	115	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.058	2.4	118	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.889	0.3	120	0.00
42	S	2,4,6-Tribromophenol	80.000	77.531	3.1	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.028	-0.1	116	0.00
44		2,4,5-Trichlorophenol	40.000	40.265	-0.7	117	0.00
45	S	2-Fluorobiphenyl	80.000	80.017	-0.0	119	0.00
46		1,1'-Biphenyl	40.000	39.518	1.2	117	0.00
47		2-Chloronaphthalene	40.000	39.167	2.1	117	0.00

Sample Results: **BM047598.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.339	-0.8	111	0.00
49		Acenaphthylene	40.000	39.505	1.2	116	0.00
50		Dimethylphthalate	40.000	38.928	2.7	113	0.00
51		2,6-Dinitrotoluene	40.000	40.622	-1.6	114	0.00
52	C	Acenaphthene	40.000	39.124	2.2	116	0.00
53		3-Nitroaniline	40.000	40.823	-2.1	112	0.00
54	P	2,4-Dinitrophenol	40.000	38.901	2.7	112	0.00
55		Dibenzofuran	40.000	39.231	1.9	116	0.00
56	P	4-Nitrophenol	40.000	41.090	-2.7	110	0.00
57		2,4-Dinitrotoluene	40.000	41.112	-2.8	112	0.00
58		Fluorene	40.000	39.761	0.6	114	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.372	1.6	113	0.00
60		Diethylphthalate	40.000	39.118	2.2	112	0.00
61		4-Chlorophenyl-phenylether	40.000	39.485	1.3	115	0.00
62		4-Nitroaniline	40.000	42.166	-5.4	112	0.00
63		Azobenzene	40.000	39.952	0.1	114	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.295	1.8	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.260	1.9	113	0.00
67		4-Bromophenyl-phenylether	40.000	39.301	1.7	116	0.00
68		Hexachlorobenzene	40.000	38.910	2.7	115	0.00
69		Atrazine	40.000	43.058	-7.6	107	0.00
70	C	Pentachlorophenol	40.000	40.424	-1.1	111	0.00
71		Phenanthrene	40.000	39.445	1.4	113	0.00
72		Anthracene	40.000	39.836	0.4	113	0.00
73		Carbazole	40.000	39.559	1.1	111	0.00
74		Di-n-butylphthalate	40.000	40.199	-0.5	113	0.00
75	C	Fluoranthene	40.000	39.789	0.5	112	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	109	0.00
77		Benzidine	40.000	60.517	-51.3#	117	0.00
78		Pyrene	40.000	40.038	-0.1	111	0.00
79	S	Terphenyl-d14	80.000	82.754	-3.4	111	0.00
80		Butylbenzylphthalate	40.000	40.506	-1.3	110	0.00
81		Benzo(a)anthracene	40.000	39.620	1.0	110	0.00
82		3,3'-Dichlorobenzidine	40.000	41.892	-4.7	110	0.00
83		Chrysene	40.000	39.403	1.5	109	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.180	-2.9	112	0.00
85	c	Di-n-octyl phthalate	40.000	41.129	-2.8	112	0.00
86	I	Perylene-d12	20.000	20.000	0.0	109	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.363	1.6	108	-0.01
88		Benzo(b)fluoranthene	40.000	39.333	1.7	108	0.00
89		Benzo(k)fluoranthene	40.000	40.055	-0.1	110	0.00
90	C	Benzo(a)pyrene	40.000	39.730	0.7	109	0.00
91		Dibenzo(a,h)anthracene	40.000	39.240	1.9	108	-0.01
92		Benzo(g,h,i)perylene	40.000	39.103	2.2	108	-0.01

Sample Results: **BM047598.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047598.D
Acq On : 23 Sep 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 23 11:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

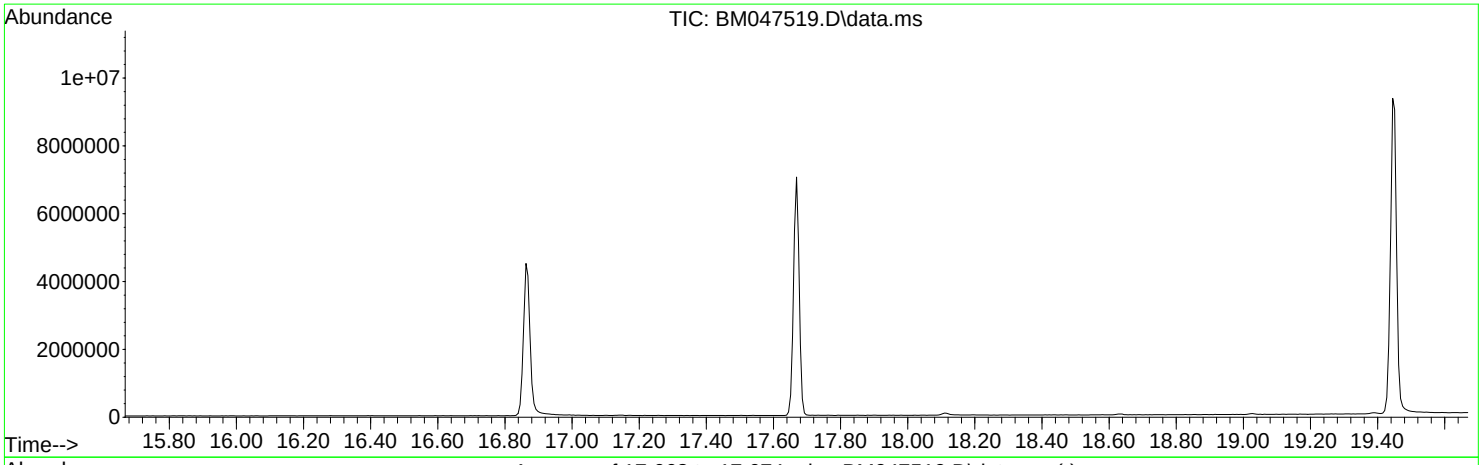
Sample Results: **BM047519.D**

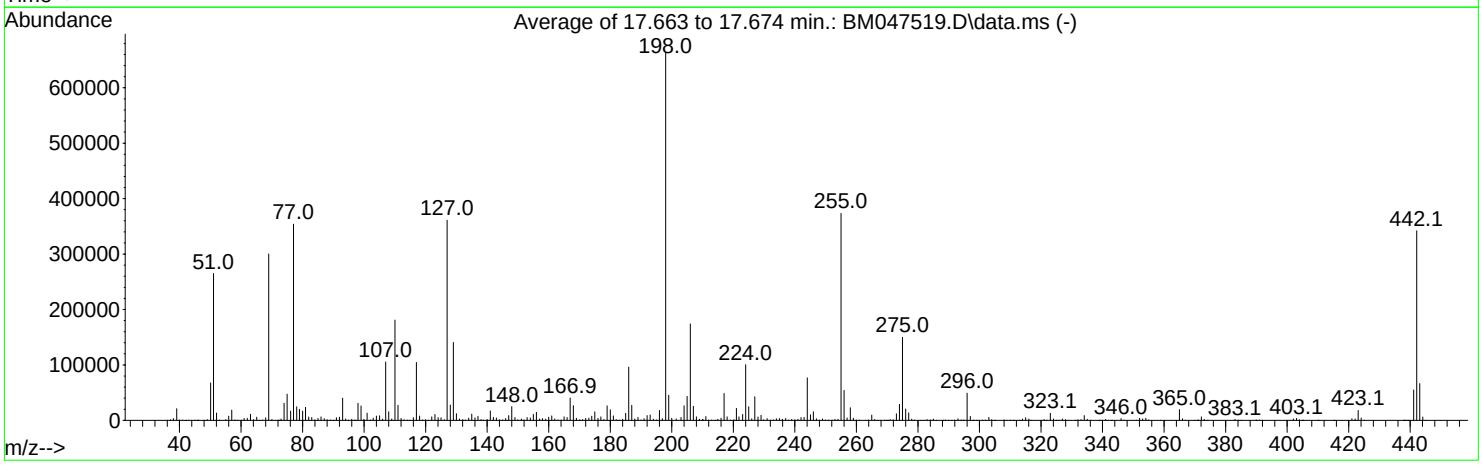
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

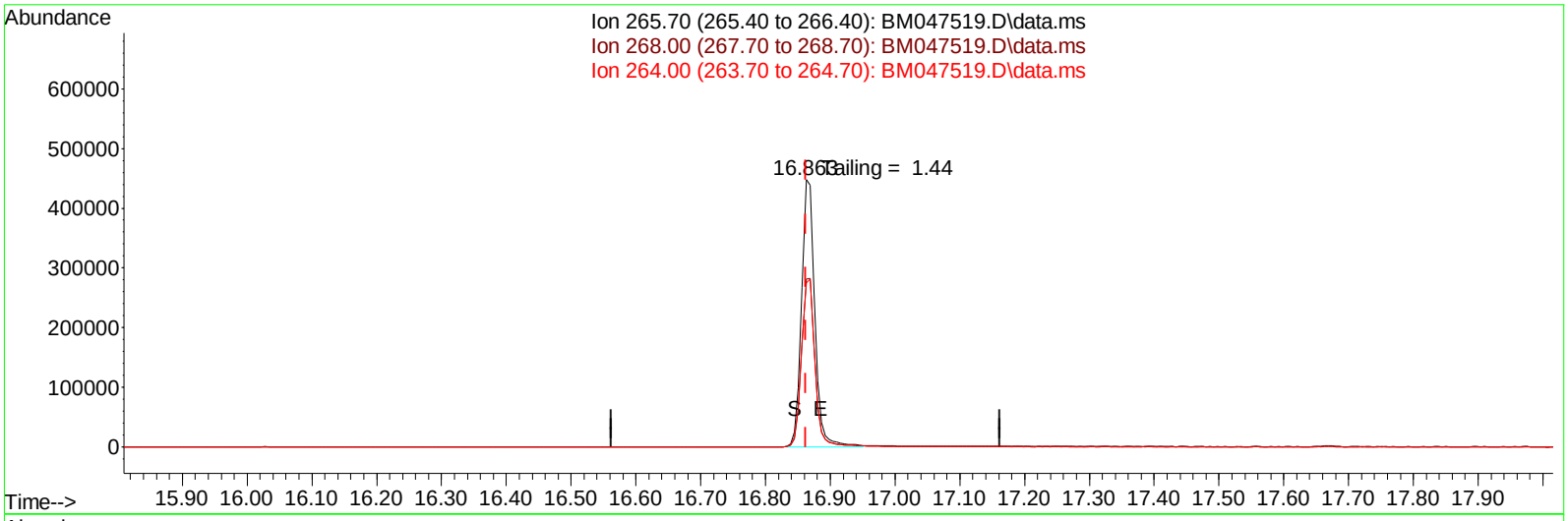
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.9	264866	PASS
68	69	0.00	2	1.5	4554	PASS
69	198	0.00	100	45.2	300217	PASS
70	69	0.00	2	0.6	1725	PASS
127	198	10	80	54.4	361109	PASS
197	198	0.00	2	0.5	3353	PASS
198	198	100	100	100.0	663616	PASS
199	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

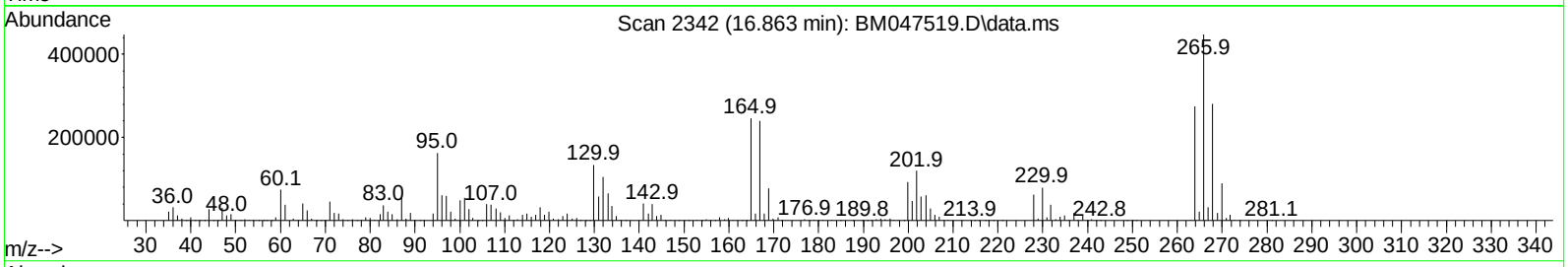
Sample Results: **BM047519.D**

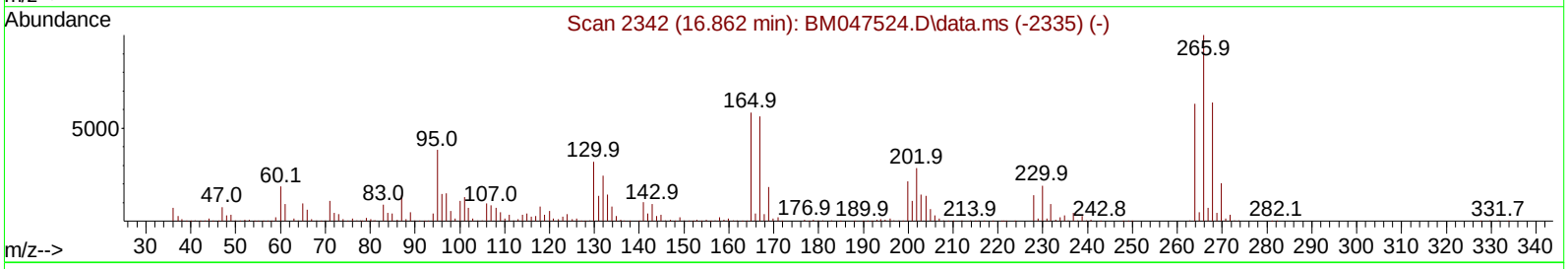
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

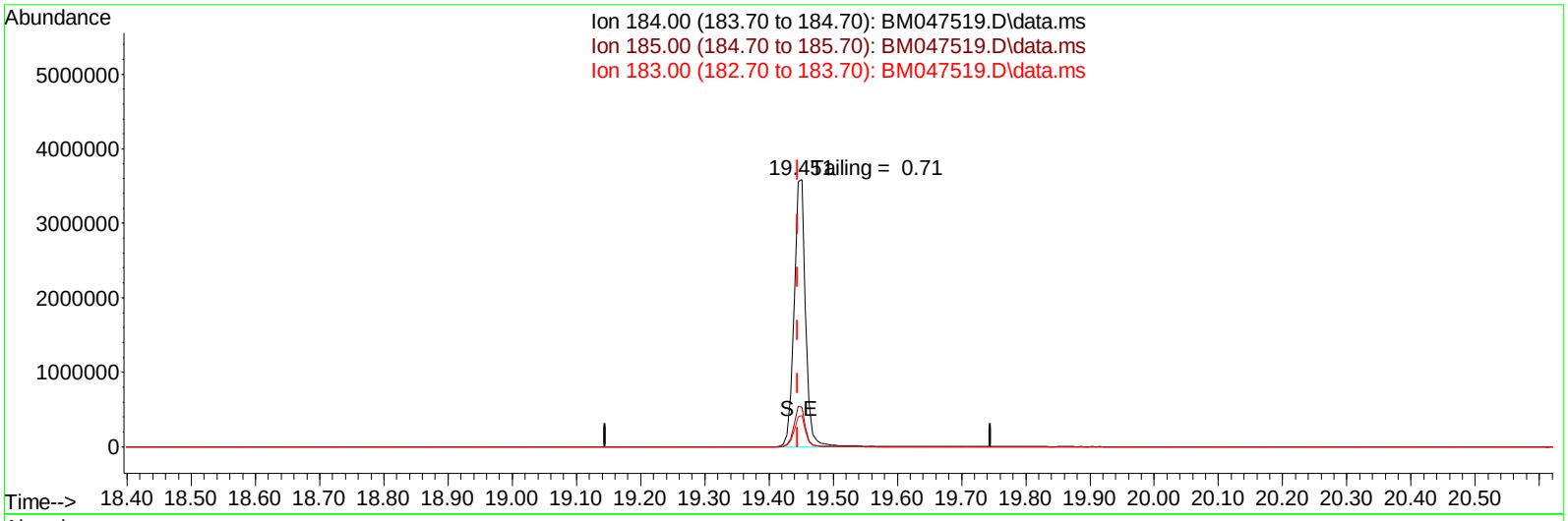
response 629866

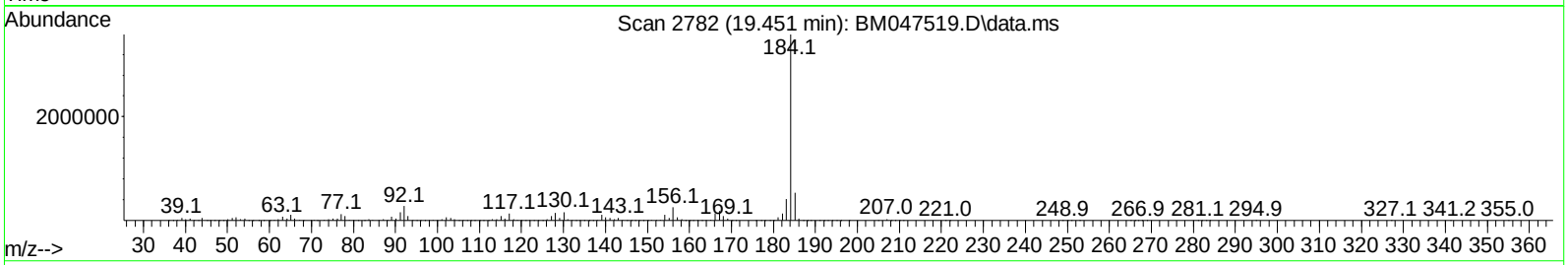
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	62.83
264.00	63.00	61.38
0.00	0.00	0.00

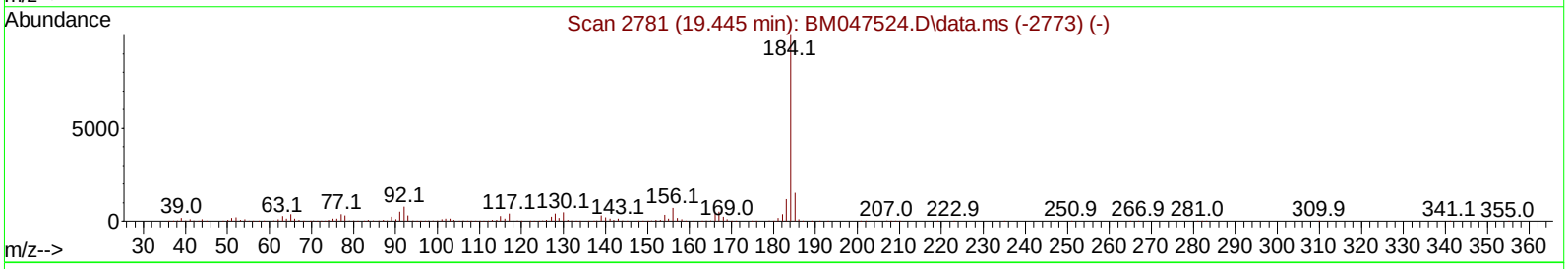
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

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

Instrument :
BNA_M
ClientSampleId :
DFTPP

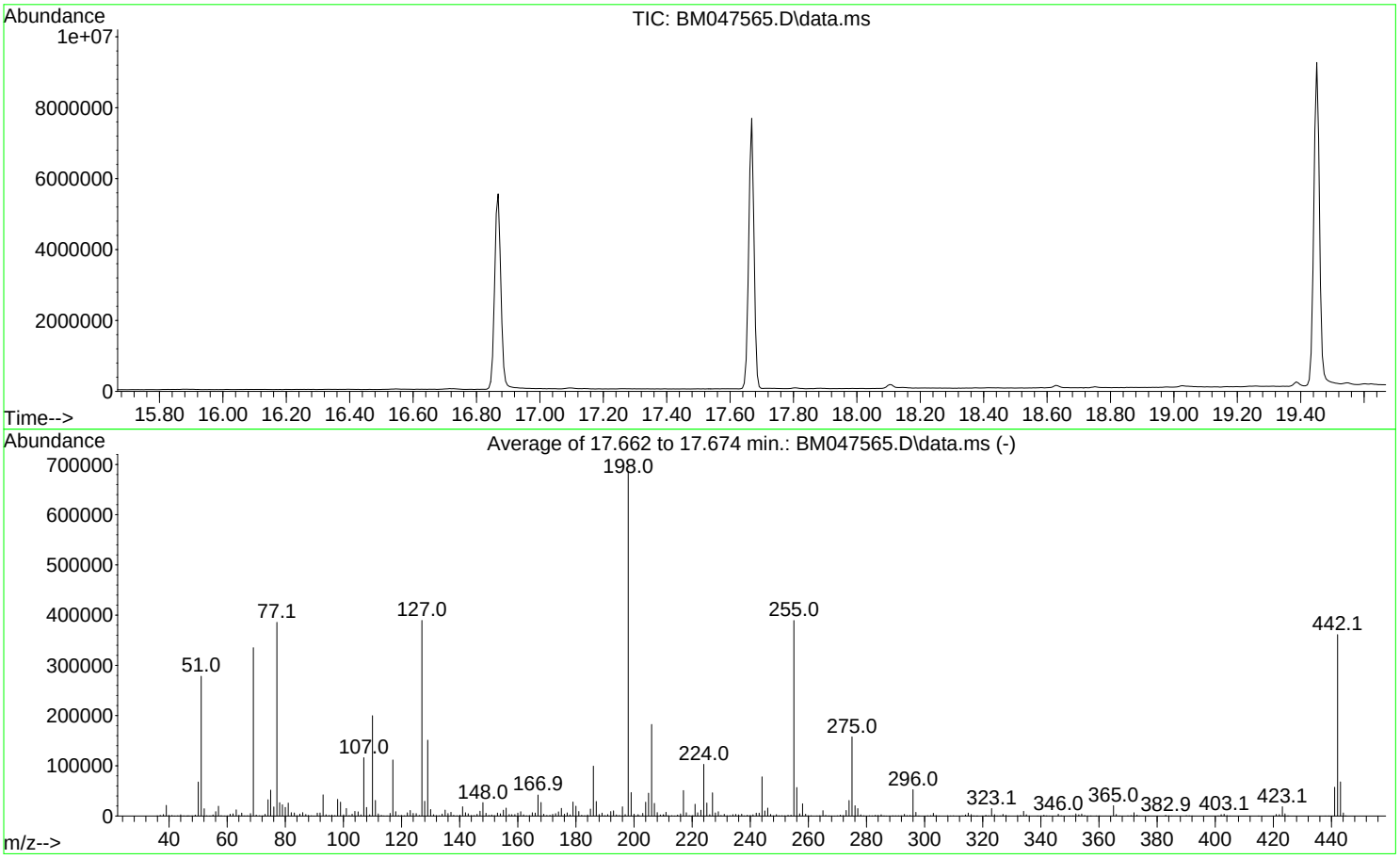
Sample Results: **BM047565.D**

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

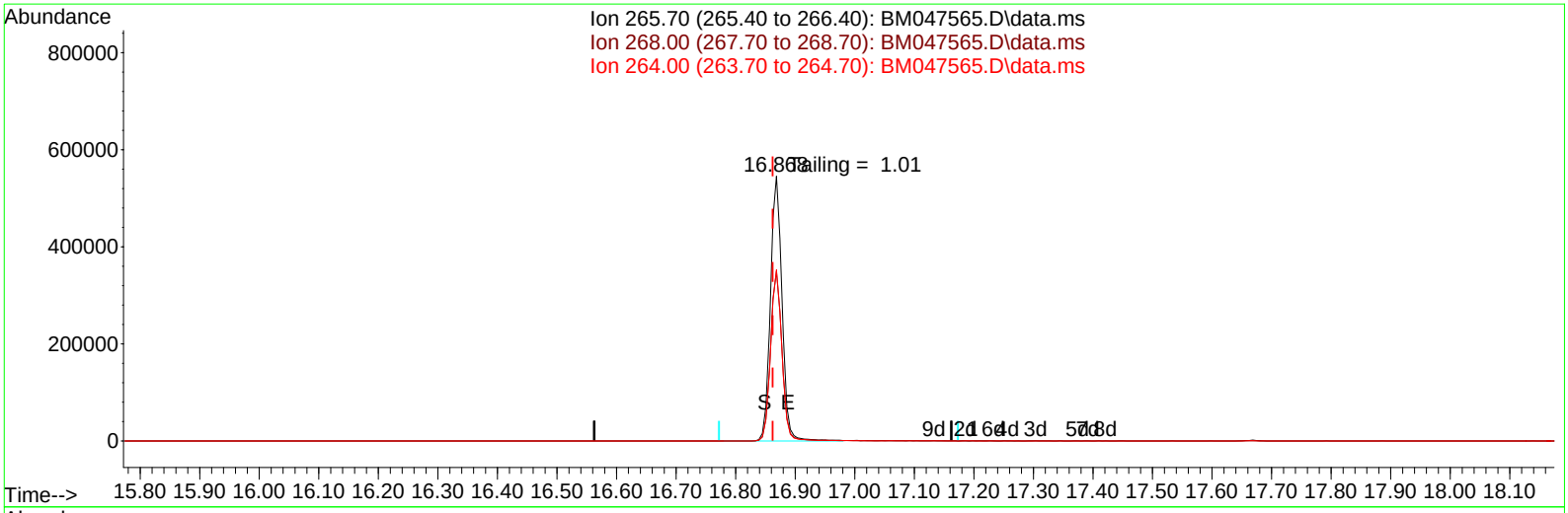
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.6	278274	PASS
68	69	0.00	2	1.5	4882	PASS
69	198	0.00	100	48.9	335179	PASS
70	69	0.00	2	0.6	1919	PASS
127	198	10	80	56.8	389461	PASS
197	198	0.00	2	0.4	2928	PASS
198	198	100	100	100.0	685845	PASS
199	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

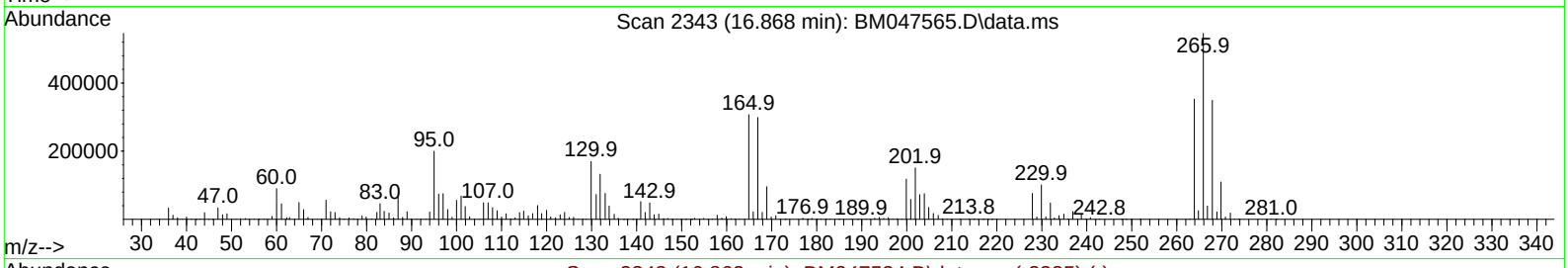
Sample Results: **BM047565.D**

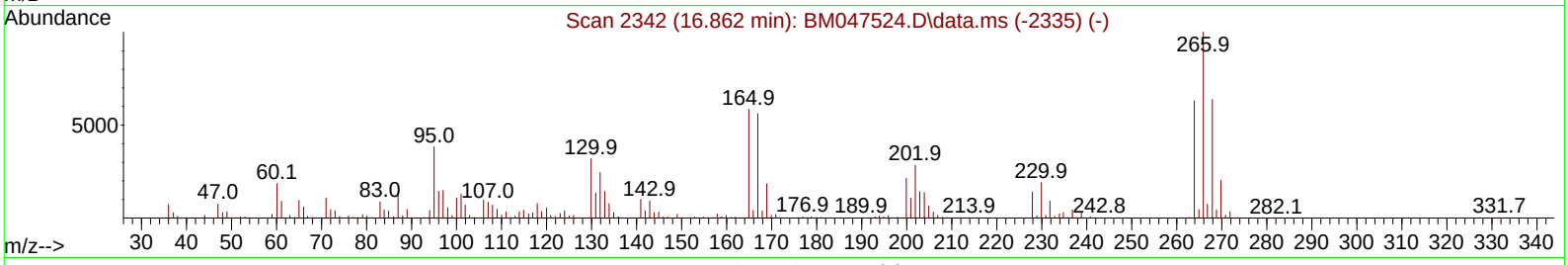
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

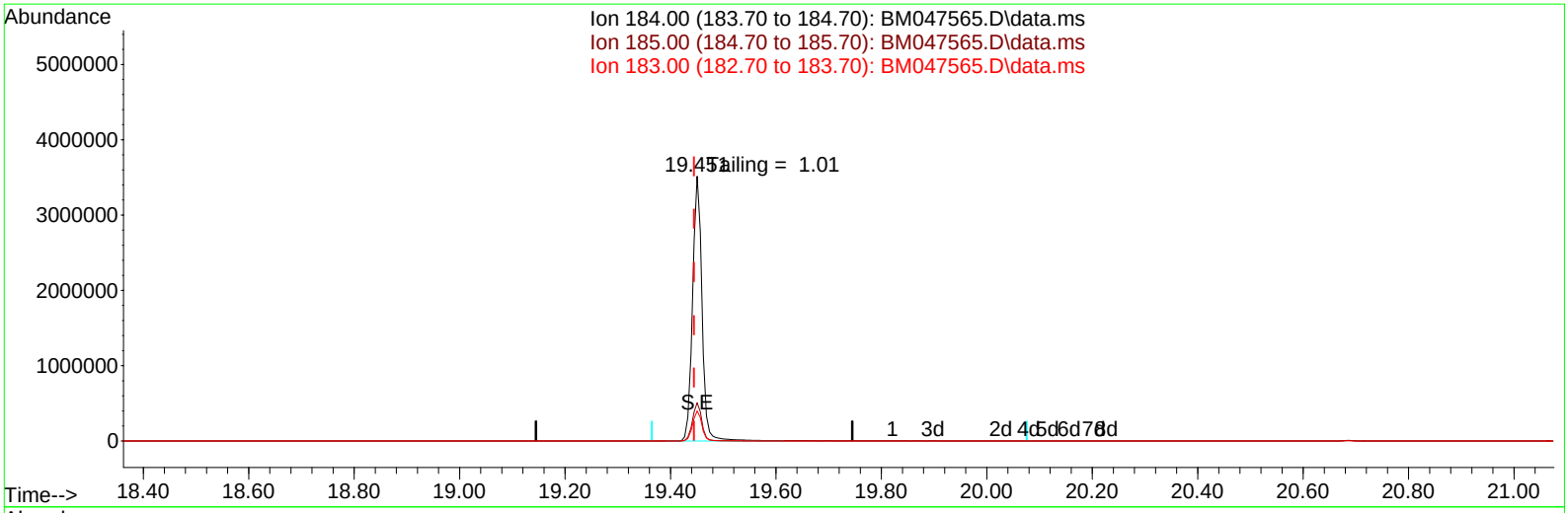
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	64.05
264.00	63.00	64.66
0.00	0.00	0.00

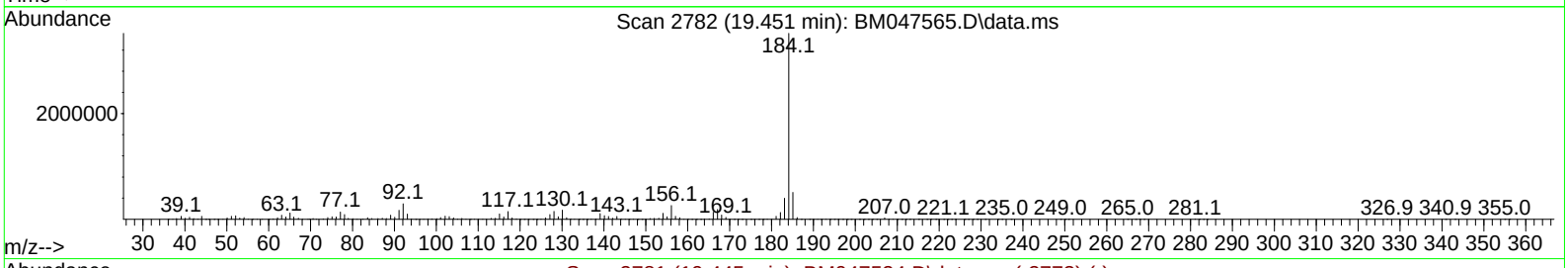
Sample Results: **BM047565.D**

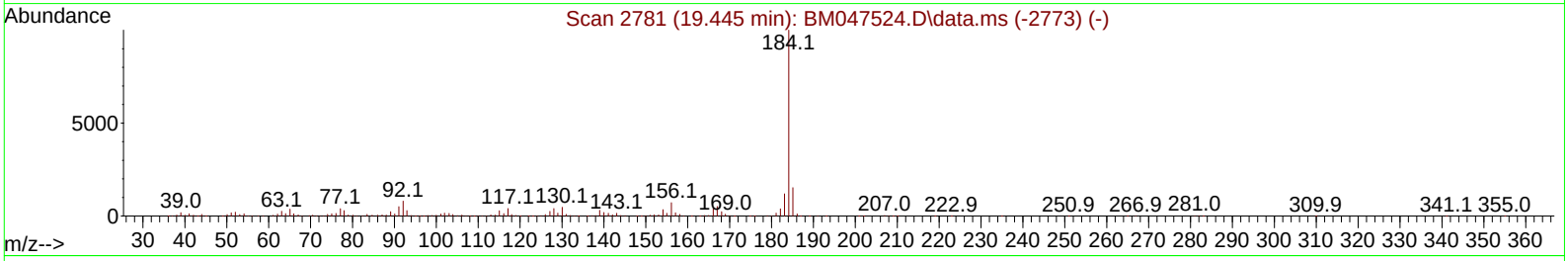
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

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

Instrument :
BNA_M
ClientSampleId :
DFTPP

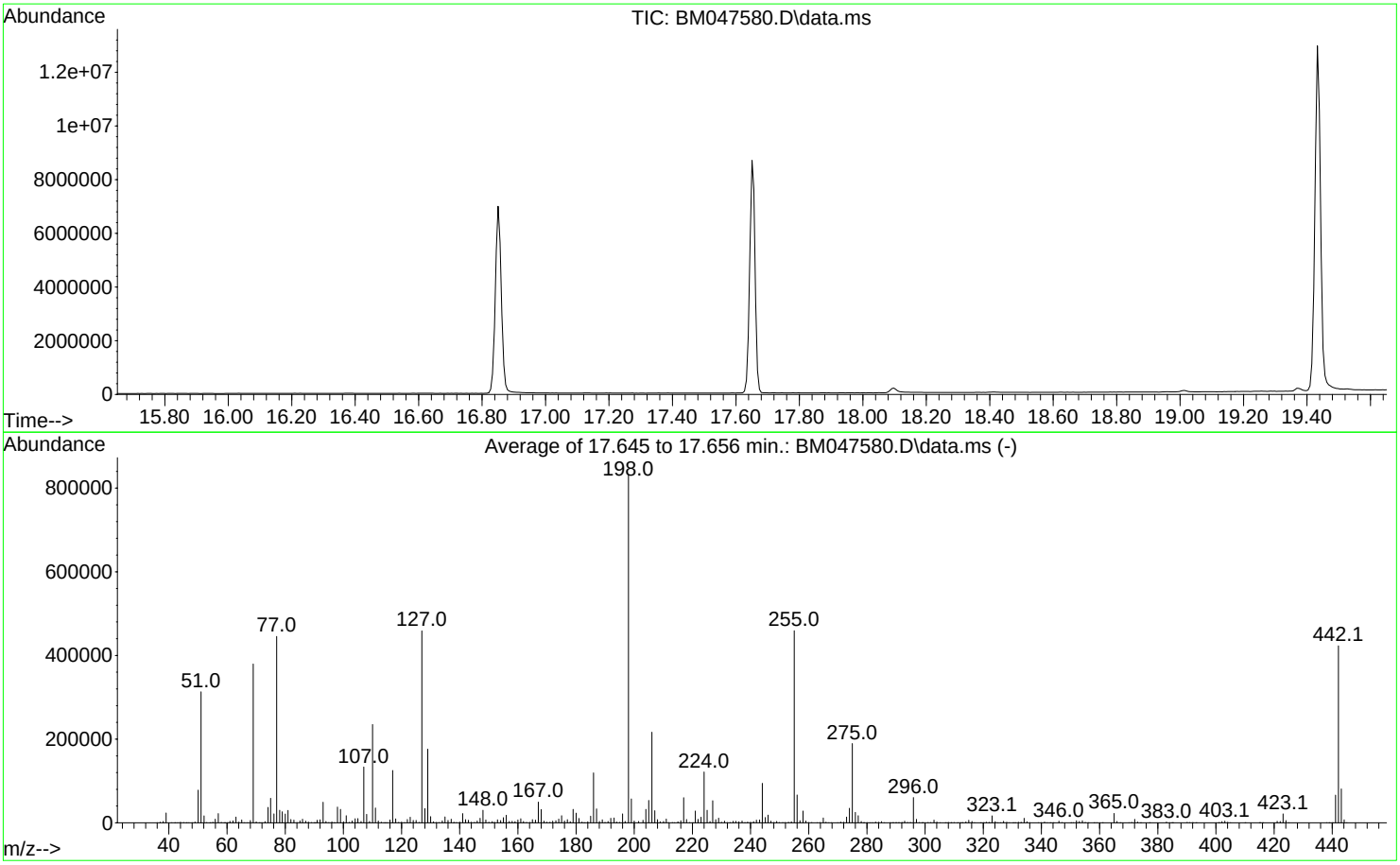
Sample Results: **BM047580.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047580.D
Acq On : 20 Sep 2024 08:49
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-BM092024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 21 02:22:39 2024



AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2468

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.7	313211	PASS
68	69	0.00	2	1.5	5601	PASS
69	198	0.00	100	45.7	379786	PASS
70	69	0.00	2	0.6	2175	PASS
127	198	10	80	55.2	458880	PASS
197	198	0.00	2	0.4	3375	PASS
198	198	100	100	100.0	831296	PASS
199	198	5	9	6.9	57157	PASS
275	198	10	60	22.8	189387	PASS
365	198	1	100	2.7	22447	PASS
441	198	0.01	100	8.0	66259	PASS
442	442	50	100	100.0	423211	PASS
443	442	15	24	19.1	80891	PASS

DDT Breakdown

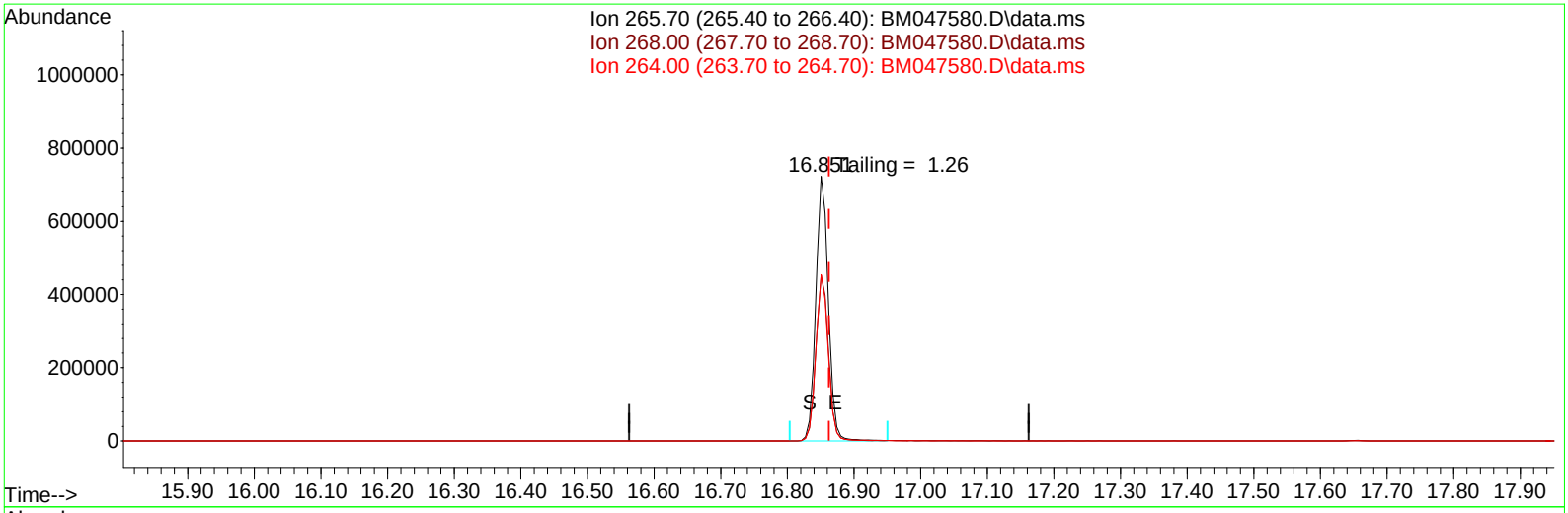
Date	Instrument Name	DFTPP Data File
9/20/2024	BNA_M	BM047580.D
Compound Name	**Response**	**Retention Time**
DDT	2641448	20.668
DDD	31829	20.286
DDE	907	19.733
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
32736	2674184	1.22

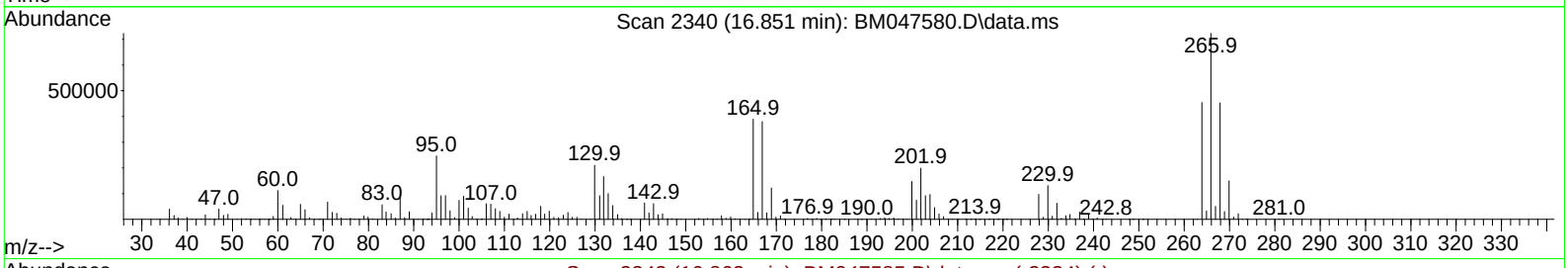
Instrument :
BNA_M
ClientSampleId :
DFTPP

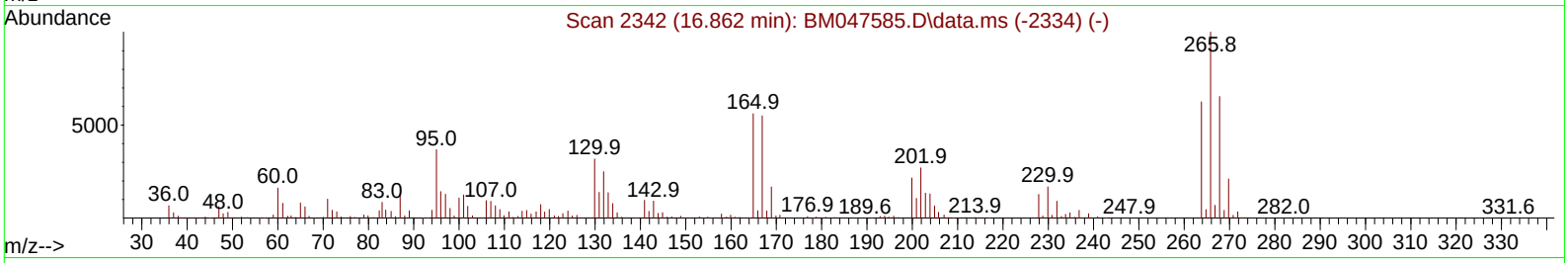
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047580.D
Acq On : 20 Sep 2024 08:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 20 16:46:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:46:17 2024
Response via : Initial Calibration







TIC: BM047580.D\data.ms

(70) Pentachlorophenol (C)

16.851min (-0.012) 2244989.51 ng

response 942708

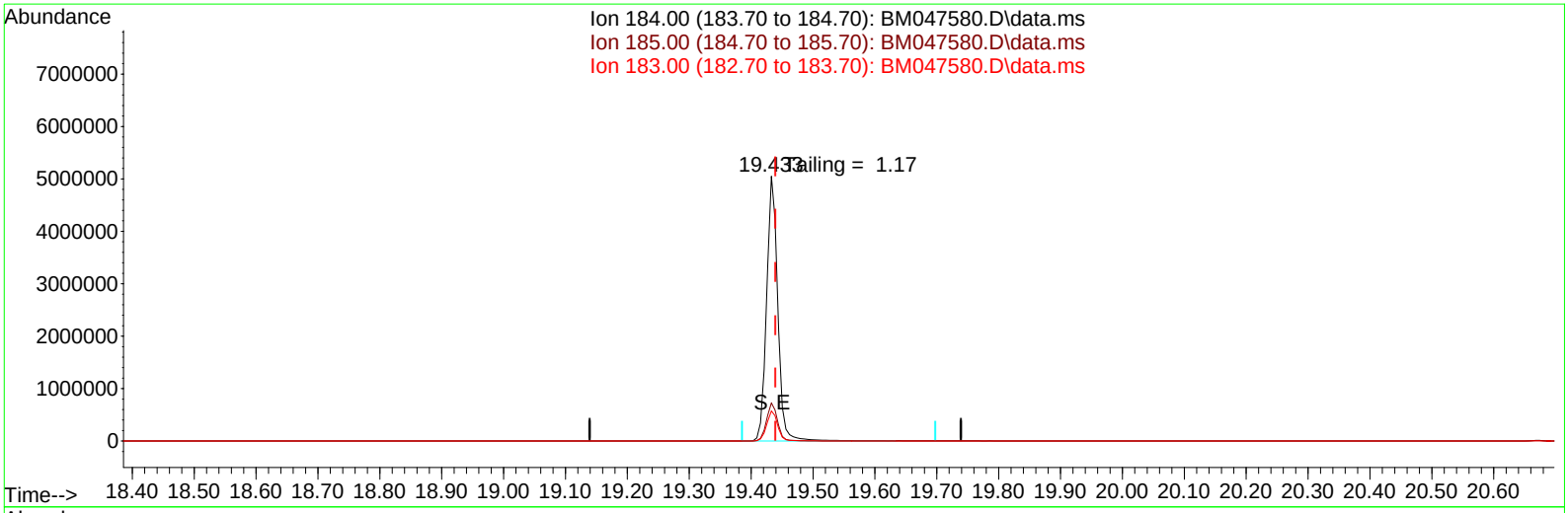
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	62.63
264.00	62.50	62.83
0.00	0.00	0.00

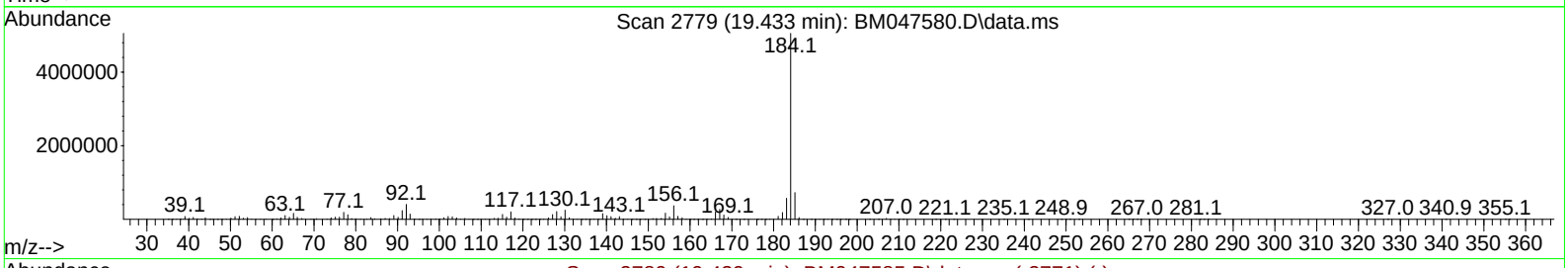
Sample Results: **BM047580.D**

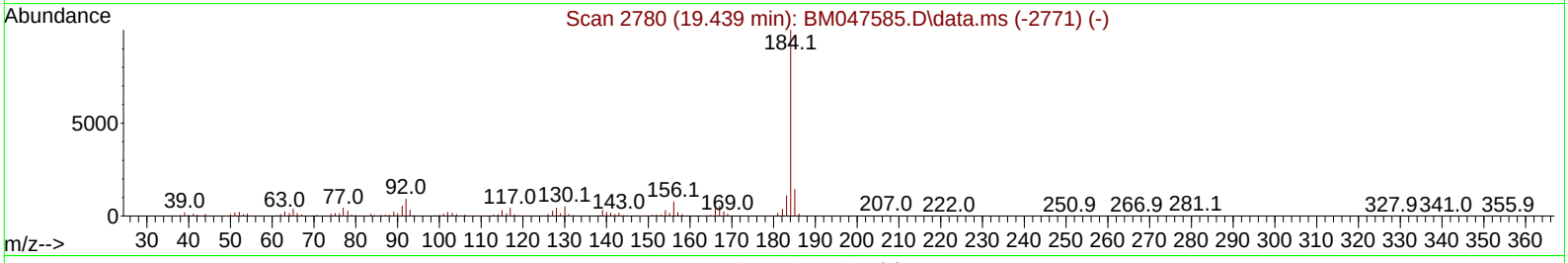
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
Data File : BM047580.D
Acq On : 20 Sep 2024 08:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 20 16:46:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:46:17 2024
Response via : Initial Calibration







TIC: BM047580.D\data.ms

(77) Benzidine

19.433min (-0.006) 440805.88 ng

response 6381298

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.41
183.00	10.90	11.35
0.00	0.00	0.00

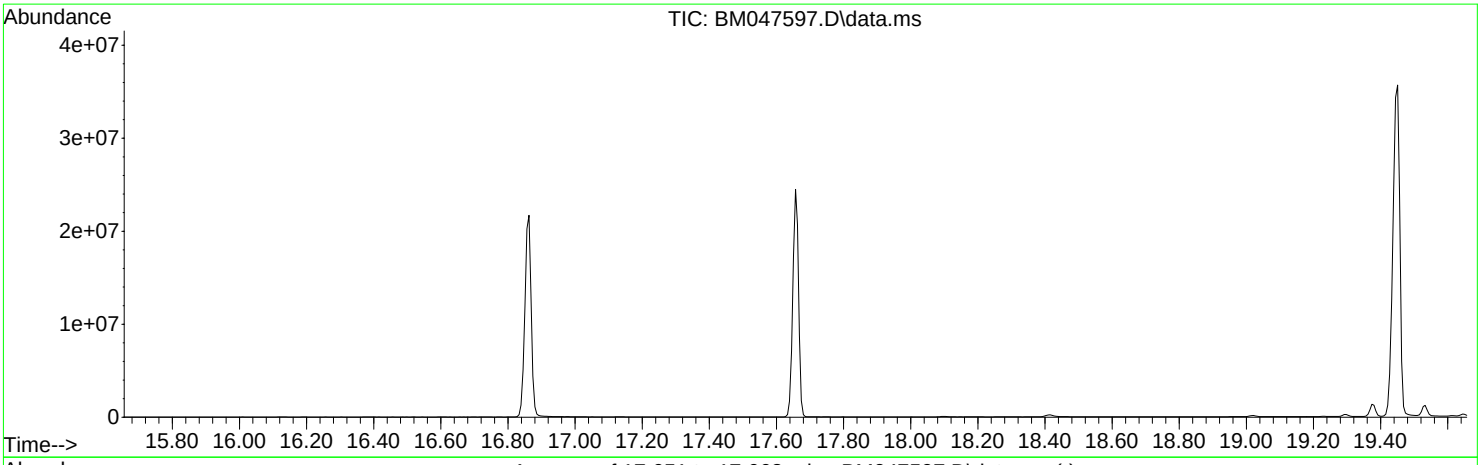
Sample Results: **BM047597.D**

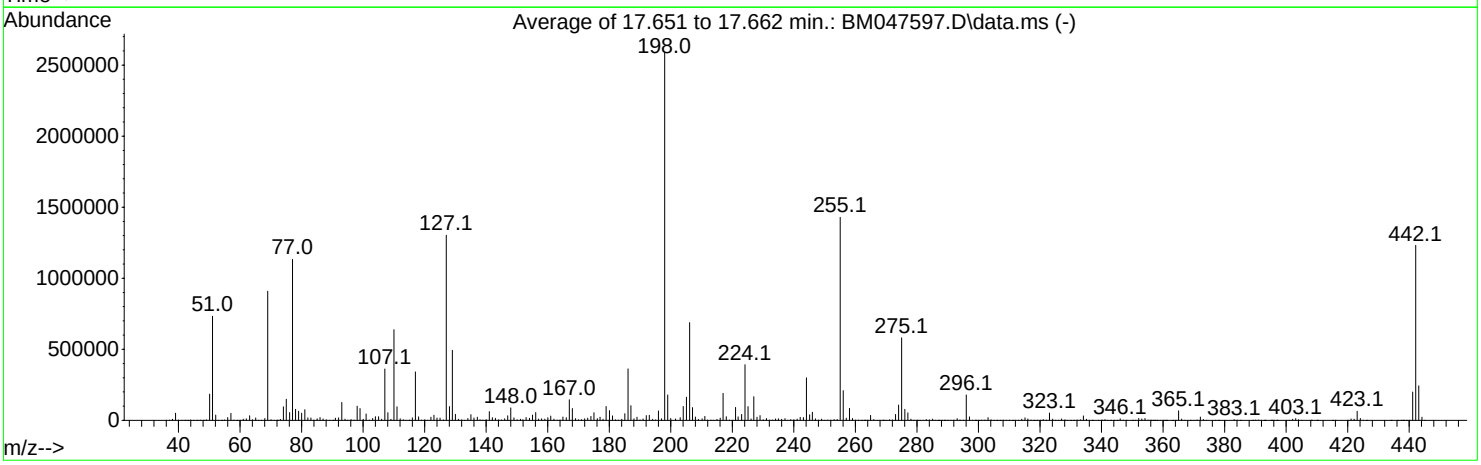
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047597.D
Acq On : 23 Sep 2024 08:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 21 02:22:39 2024





AutoFind: Scans 2476, 2477, 2478; Background Corrected with Scan 2469

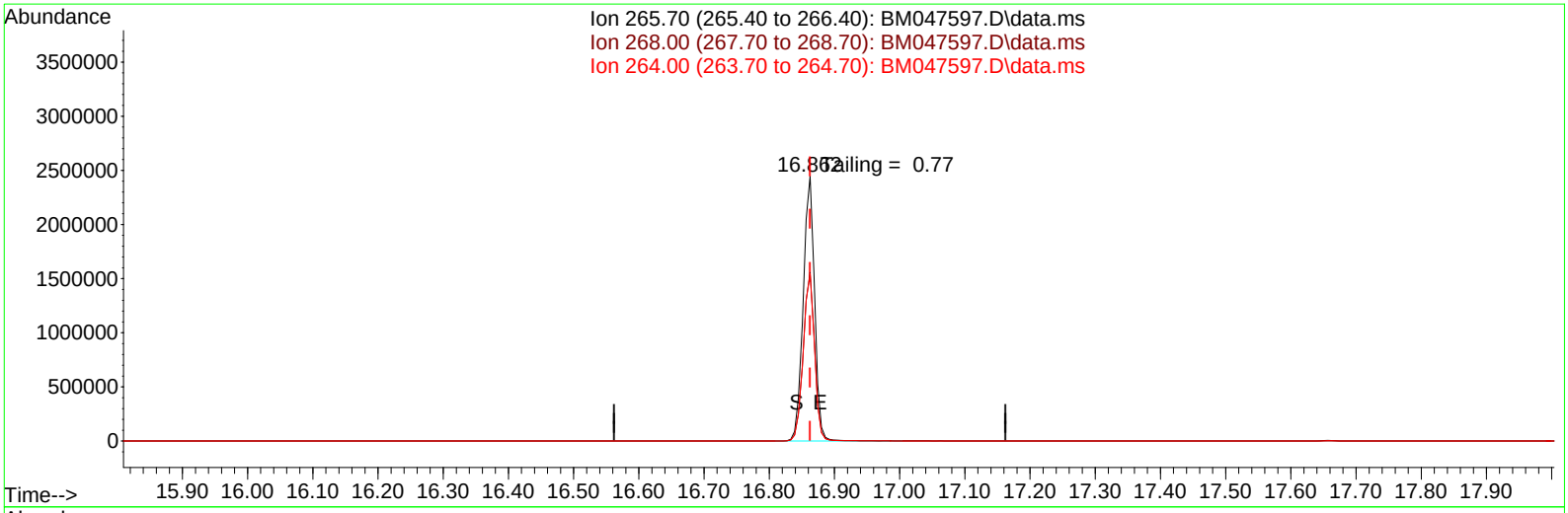
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.3	732675	PASS
68	69	0.00	2	1.5	13360	PASS
69	198	0.00	100	35.1	908480	PASS
70	69	0.00	2	0.5	4429	PASS
127	198	10	80	50.3	1303040	PASS
197	198	0.00	2	0.4	11218	PASS
198	198	100	100	100.0	2588501	PASS
199	198	5	9	6.9	178880	PASS
275	198	10	60	22.4	580843	PASS
365	198	1	100	2.6	67565	PASS
441	198	0.01	100	7.7	199245	PASS
442	442	50	100	100.0	1231595	PASS
443	442	15	24	19.7	242731	PASS

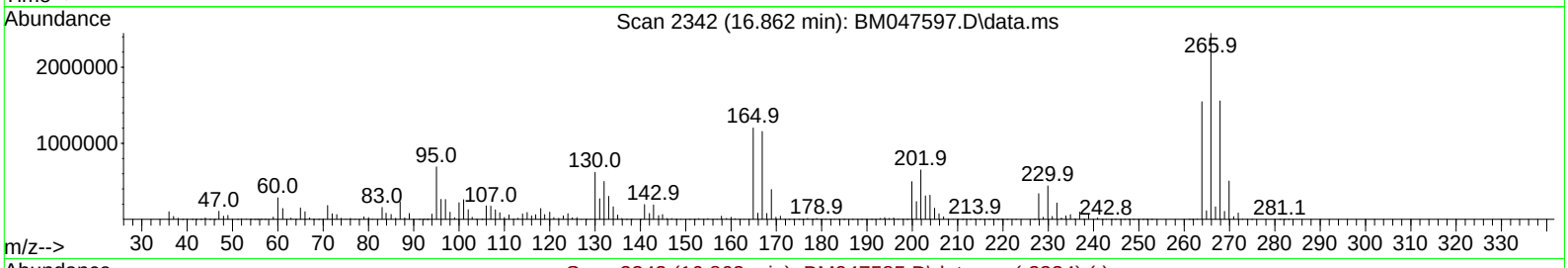
Sample Results: **BM047597.D**

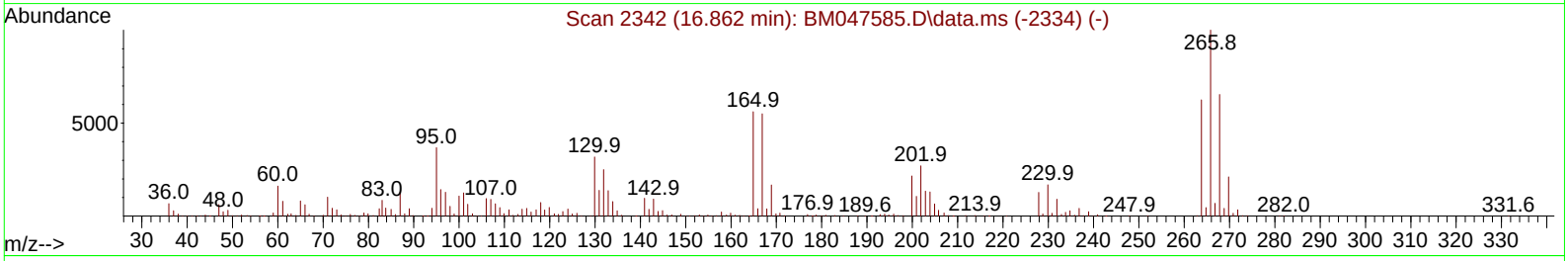
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047597.D
Acq On : 23 Sep 2024 08:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 23 11:22:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration







TIC: BM047597.D\data.ms

(70) Pentachlorophenol (C)

16.862min (+ 0.000) 0.00 ng

response 2968340

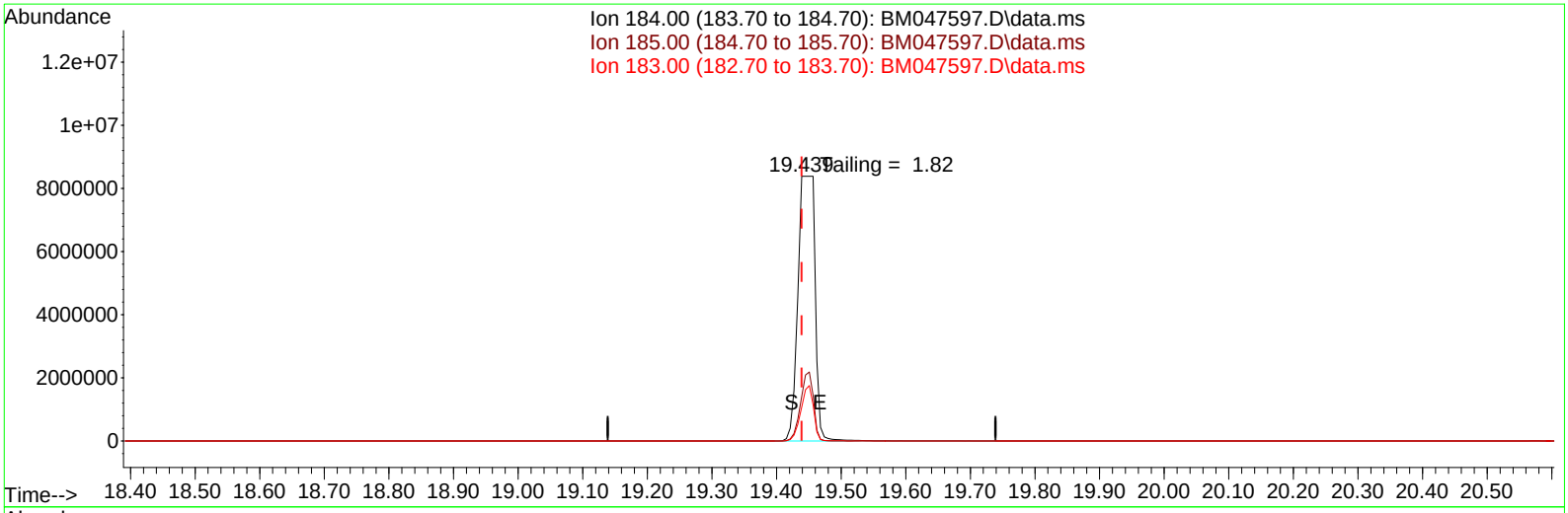
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	63.68
264.00	62.50	63.20
0.00	0.00	0.00

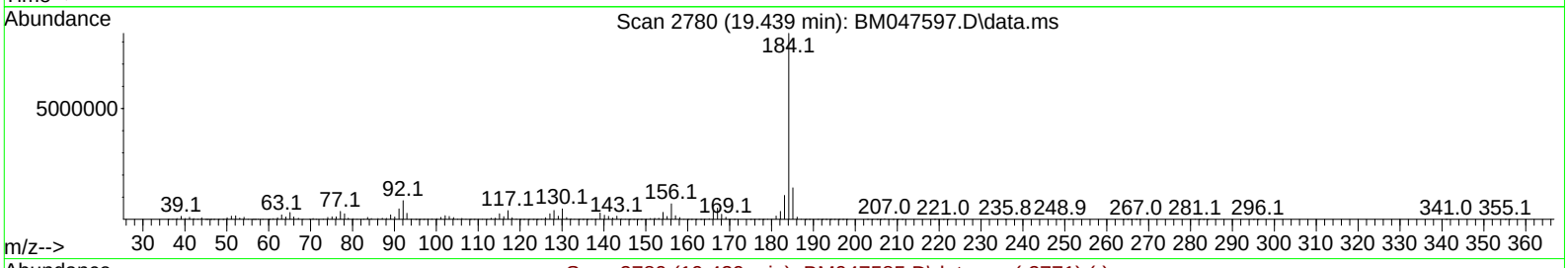
Sample Results: **BM047597.D**

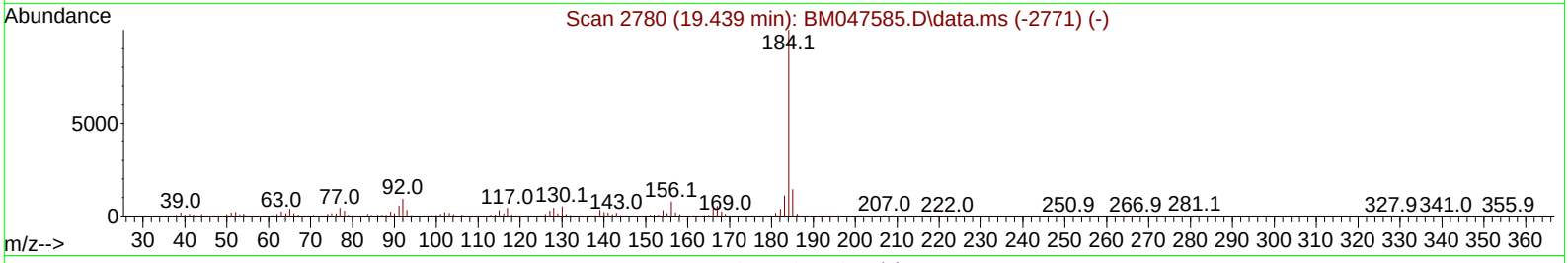
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047597.D
Acq On : 23 Sep 2024 08:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 23 11:22:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 21 02:22:39 2024
Response via : Initial Calibration







TIC: BM047597.D\data.ms

(77) Benzidine

19.439min (-0.000) 2994134.77 ng

response 15453930

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	16.91
183.00	10.90	12.85
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/23/2024	BNA_M	BM047597.D
Compound Name	**Response**	**Retention Time**
DDT	8671438	20.68
DDD	56131	20.292
DDE	1121	19.733
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
57252	8728690	0.66

Instrument :
BNA_M
ClientSampleId :
DFTPP

Raw Data: **BM047567.D**

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 Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047567.D	1	09/12/24 08:40	09/19/24 12:35	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	78.0		49 - 133	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.7		52 - 132	77%	SPK: 100
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

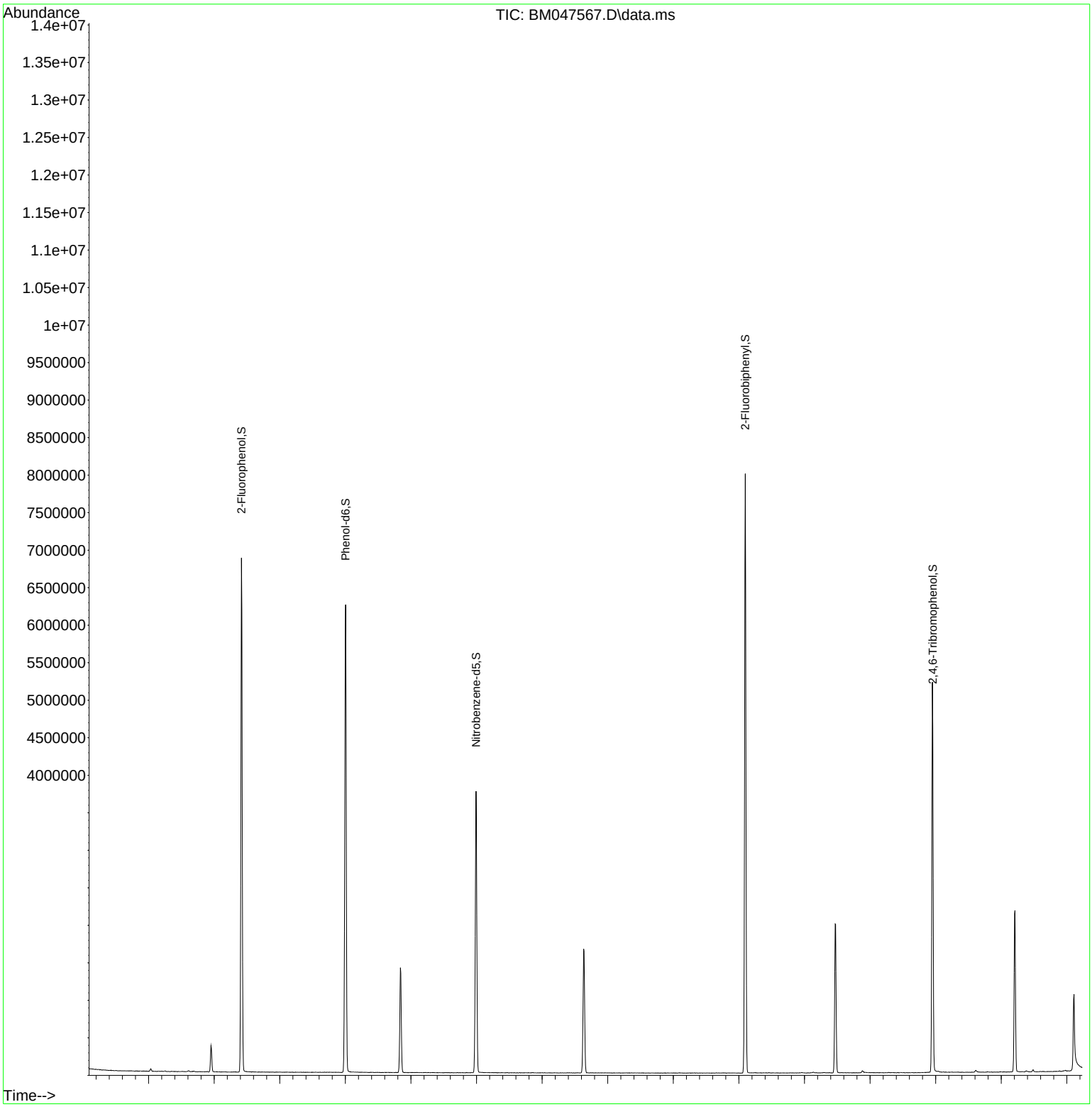
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	353821	20.000	ng	-0.01
21) Naphthalene-d8	10.633	136	1340234	20.000	ng	-0.01
39) Acenaphthene-d10	14.474	164	659710	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1165231	20.000	ng	0.00
76) Chrysene-d12	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

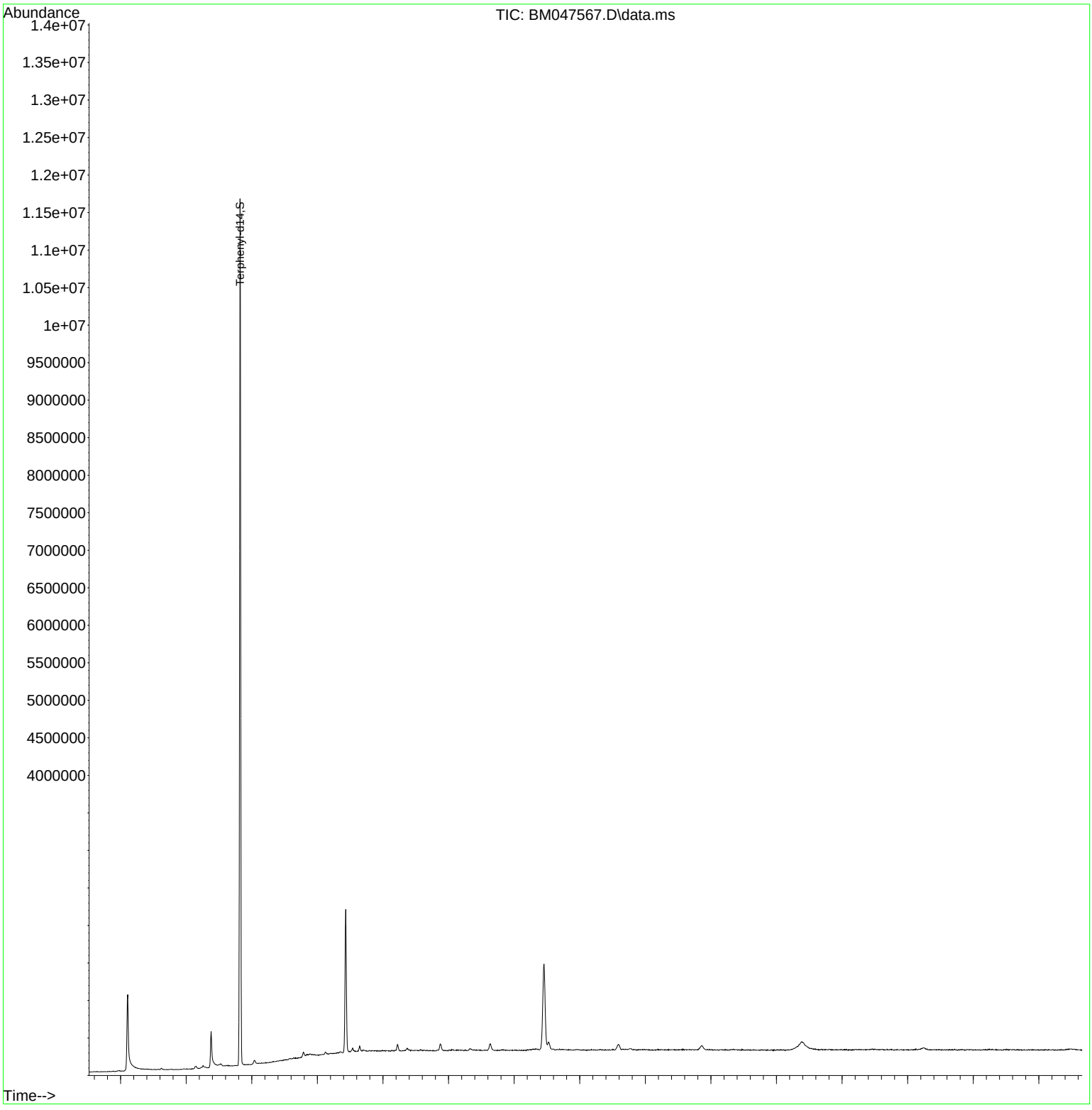


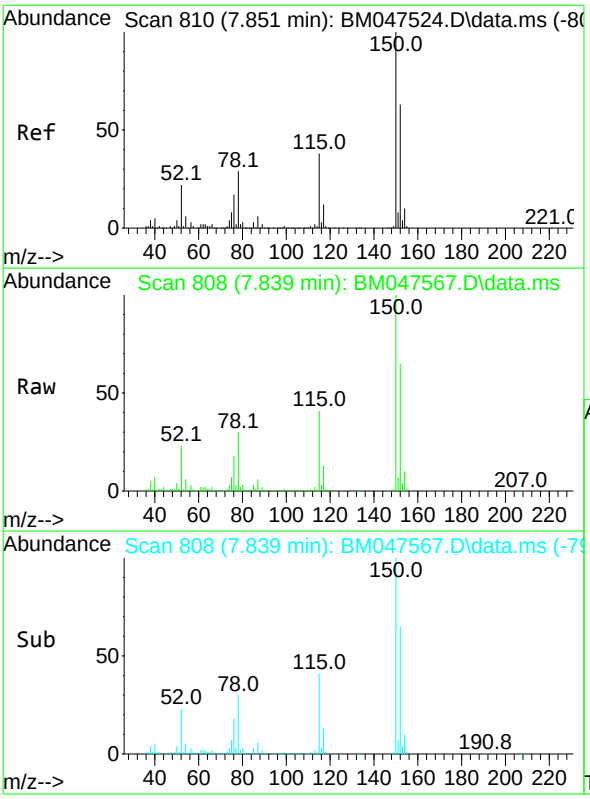
Sample Results: **BM047567.D**

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



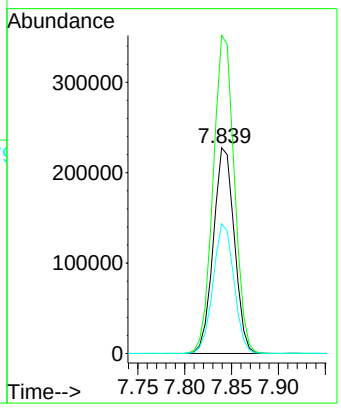


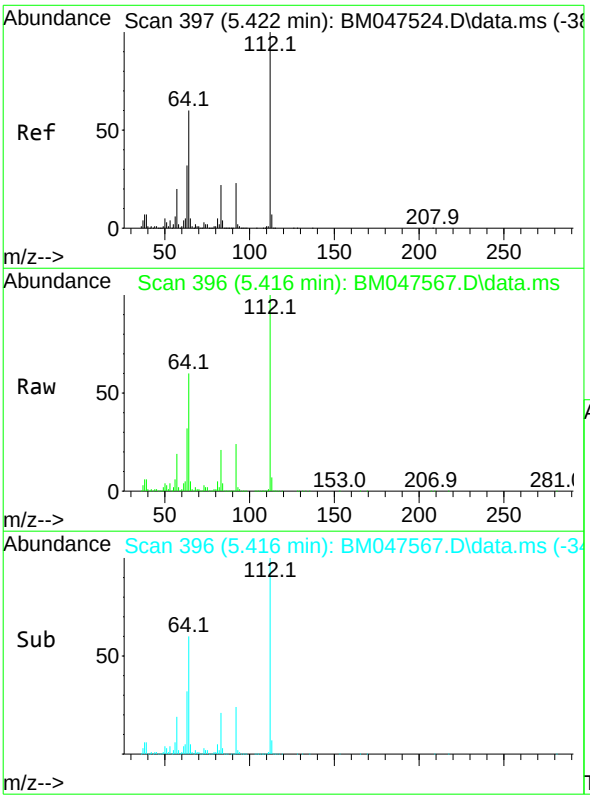
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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

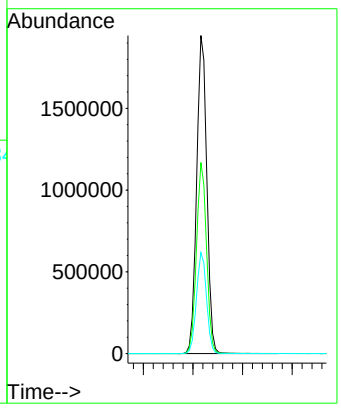


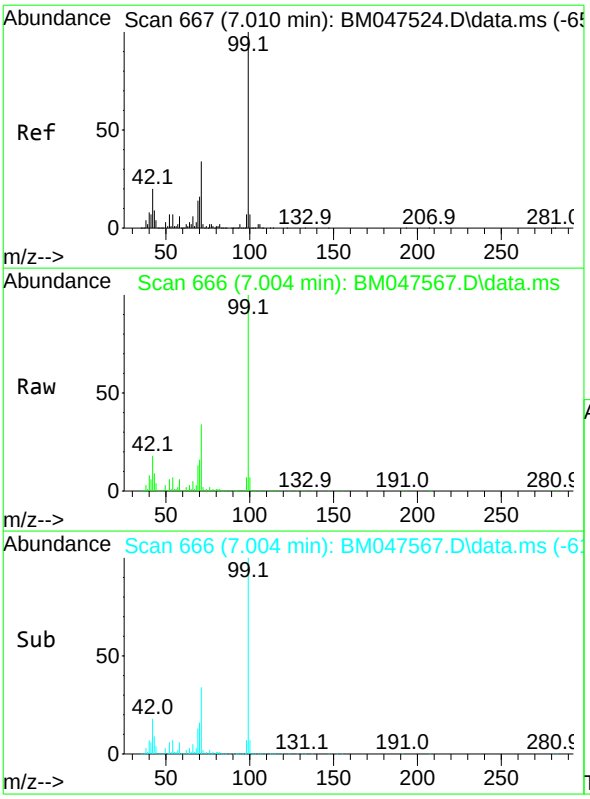


#5
2-Fluorophenol
Concen: 124.241 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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



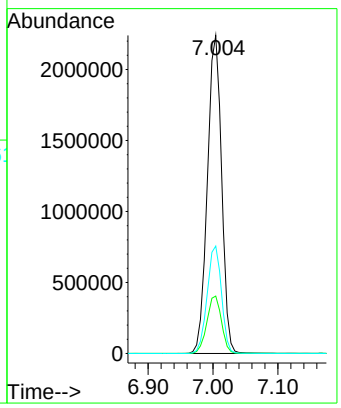


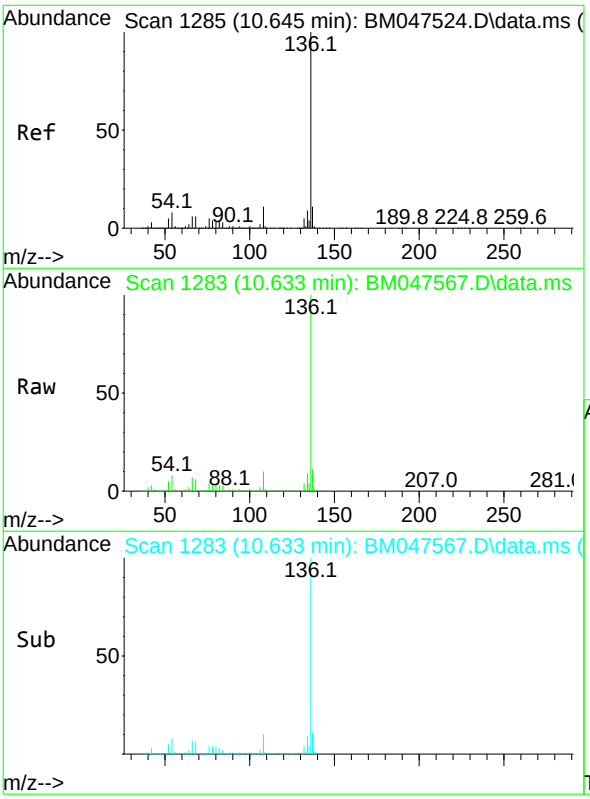
#7
Phenol-d6
Concen: 108.822 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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

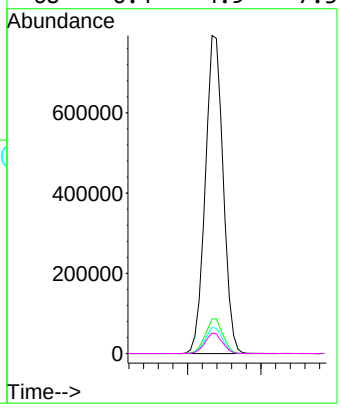


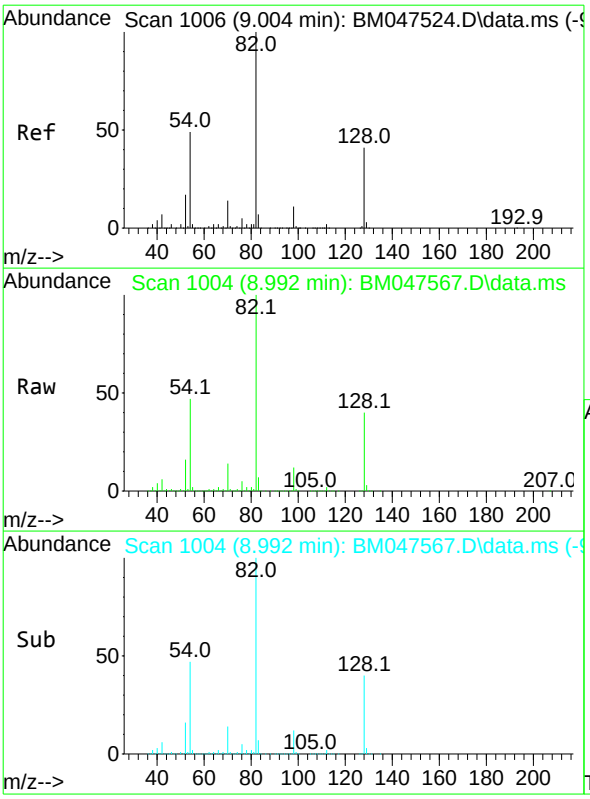


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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



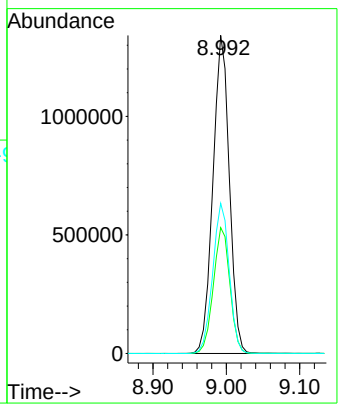


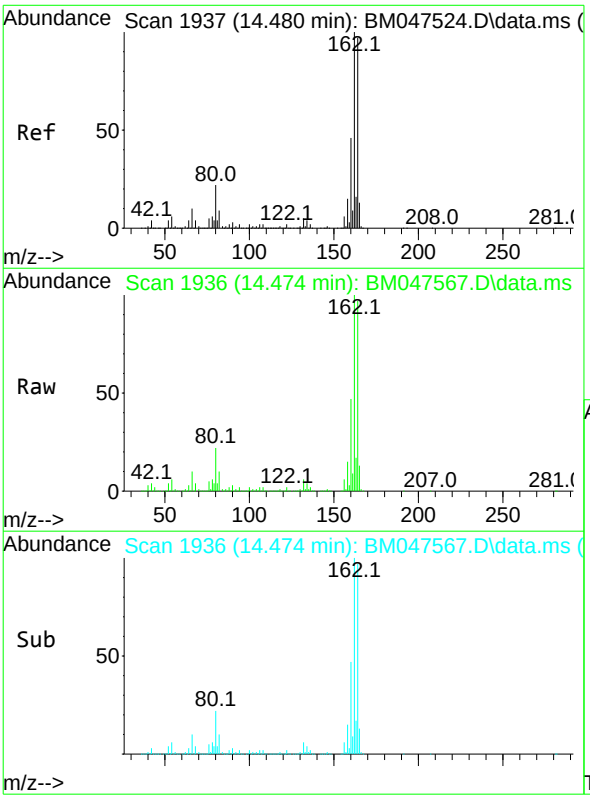
#23
Nitrobenzene-d5
Concen: 77.969 ng
RT: 8.992 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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

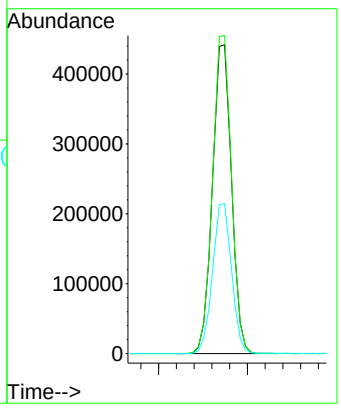


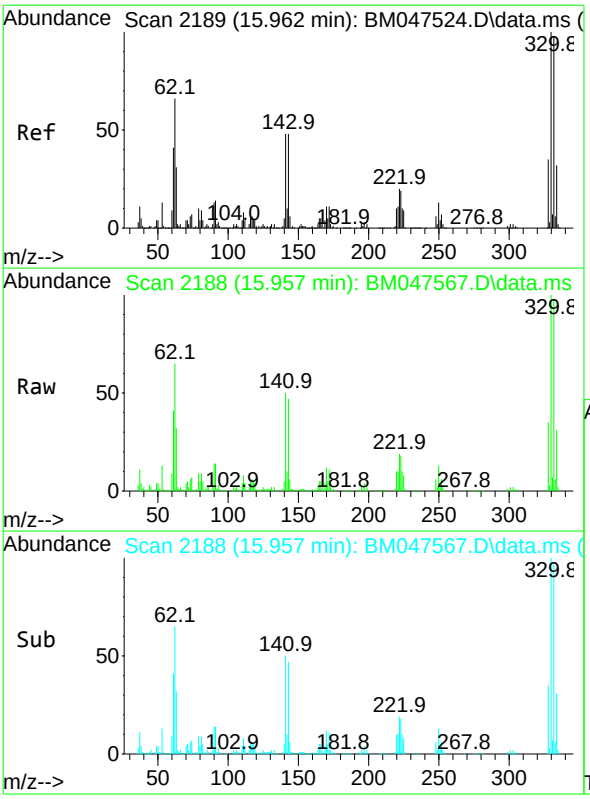


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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



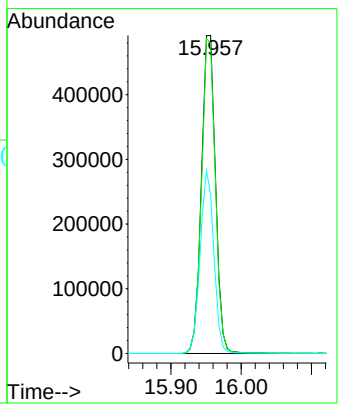


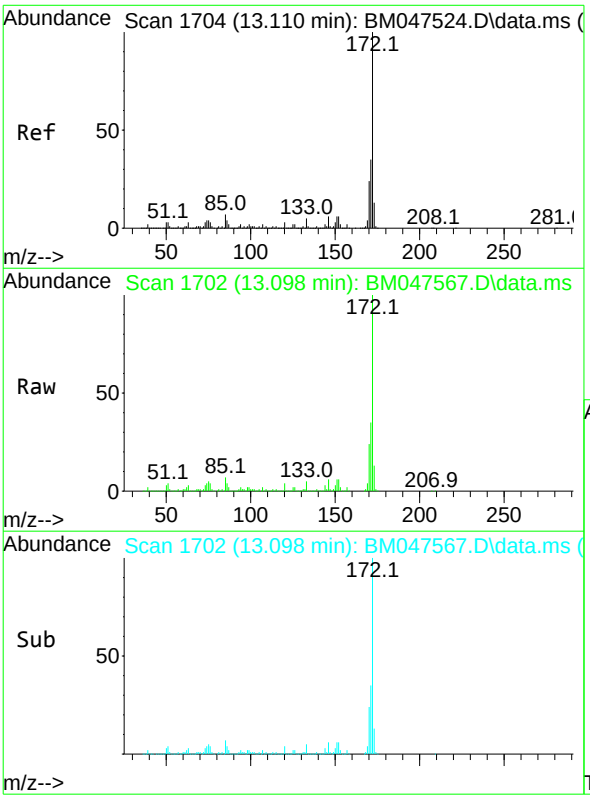
#42
2,4,6-Tribromophenol
Concen: 107.014 ng
RT: 15.957 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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

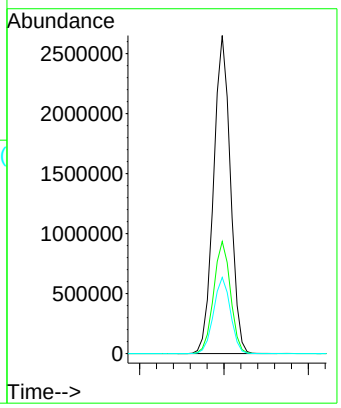


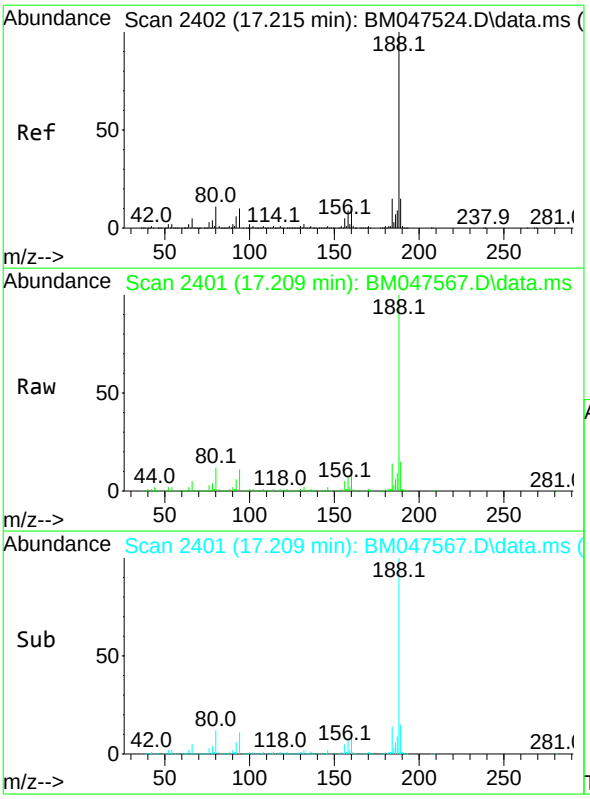


#45
2-Fluorobiphenyl
Concen: 76.653 ng
RT: 13.098 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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



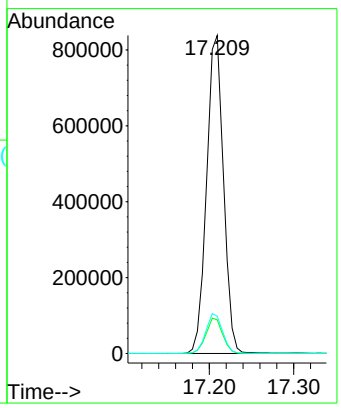


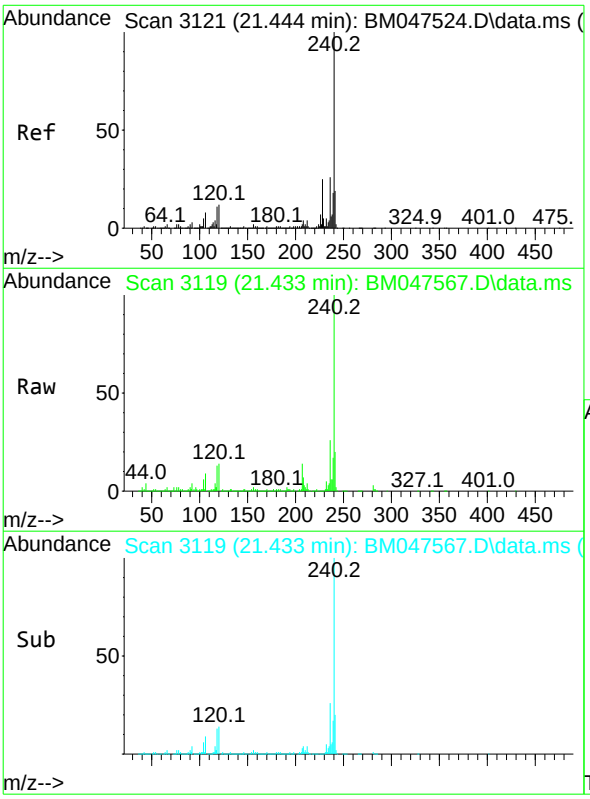
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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

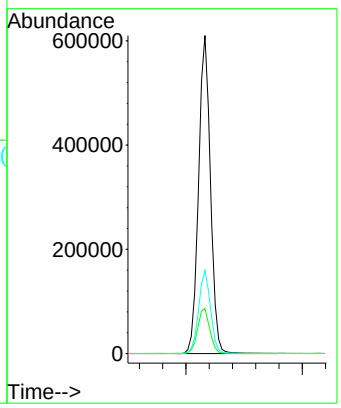


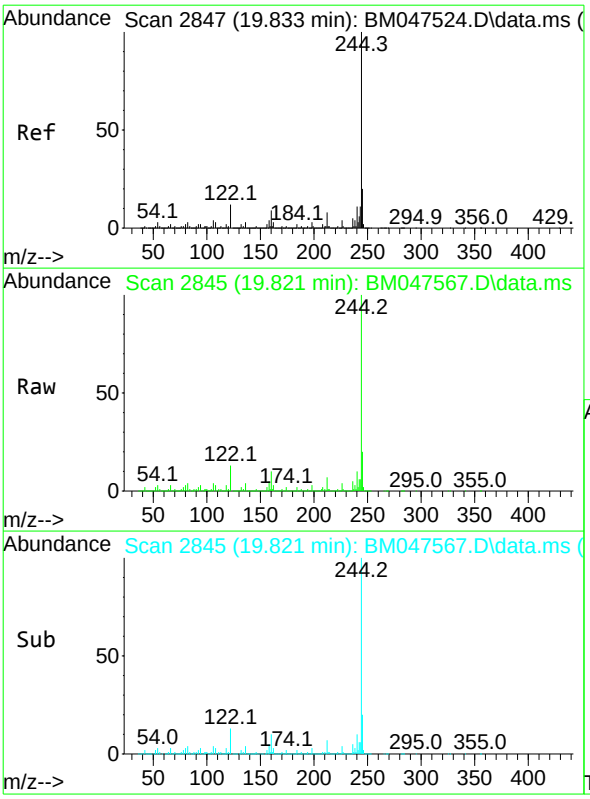


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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



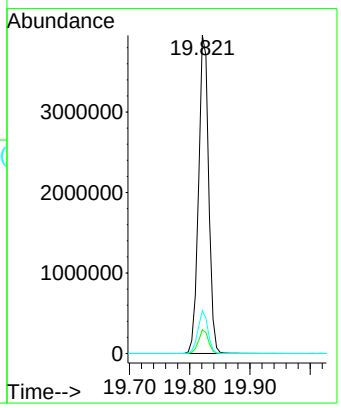


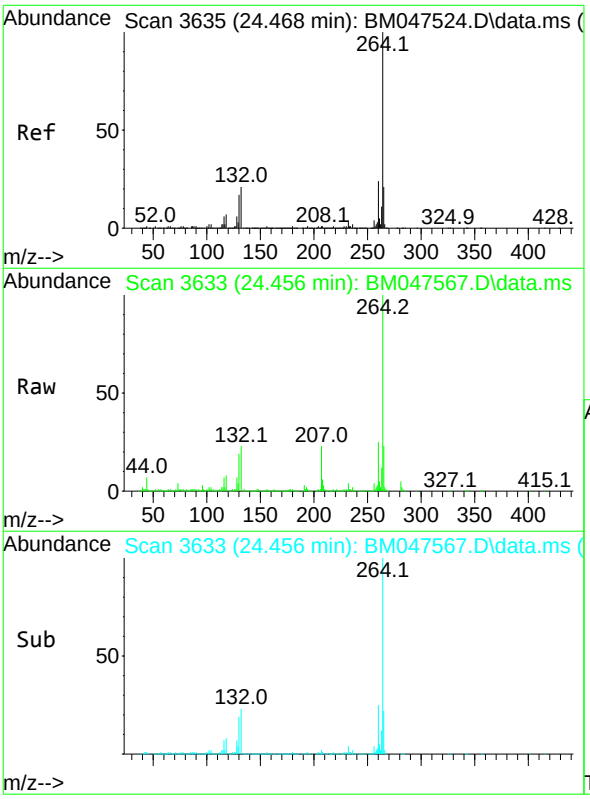
#79
Terphenyl-d14
Concen: 95.092 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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

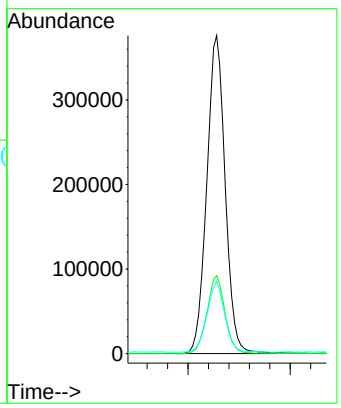




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

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



Raw Data: **BM047568.D**

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 Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047568.D	1	09/12/24 08:40	09/19/24 13:15	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1912-24-9	Atrazine	51.5		1.30	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	96.1		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.8		52 - 132	96%	SPK: 100
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

Sample Results: **BM047568.D**

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

Sample Results: **BM047568.D**

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

Sample Results: **BM047568.D**

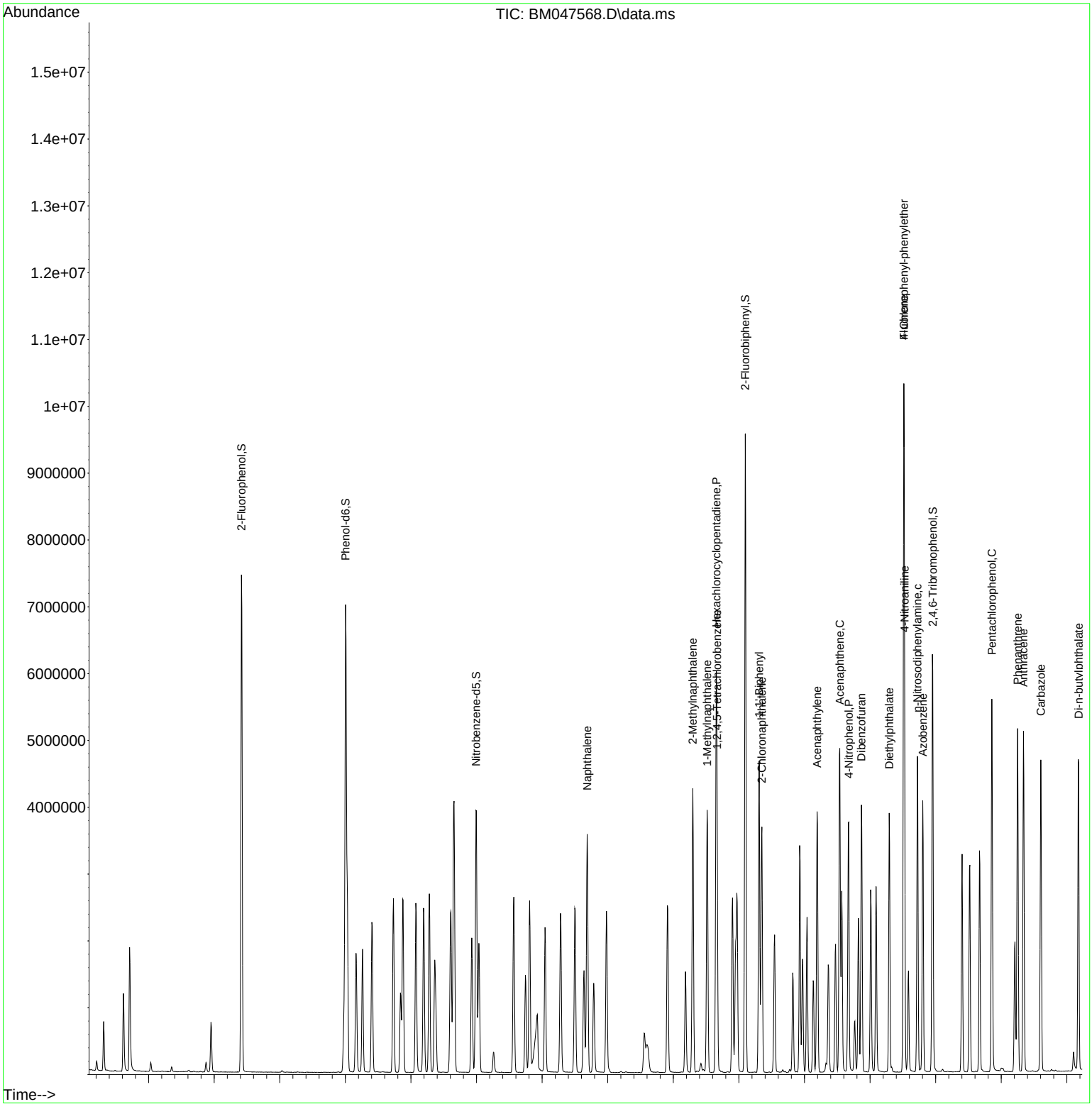
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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



Sample Results: **BM047568.D**

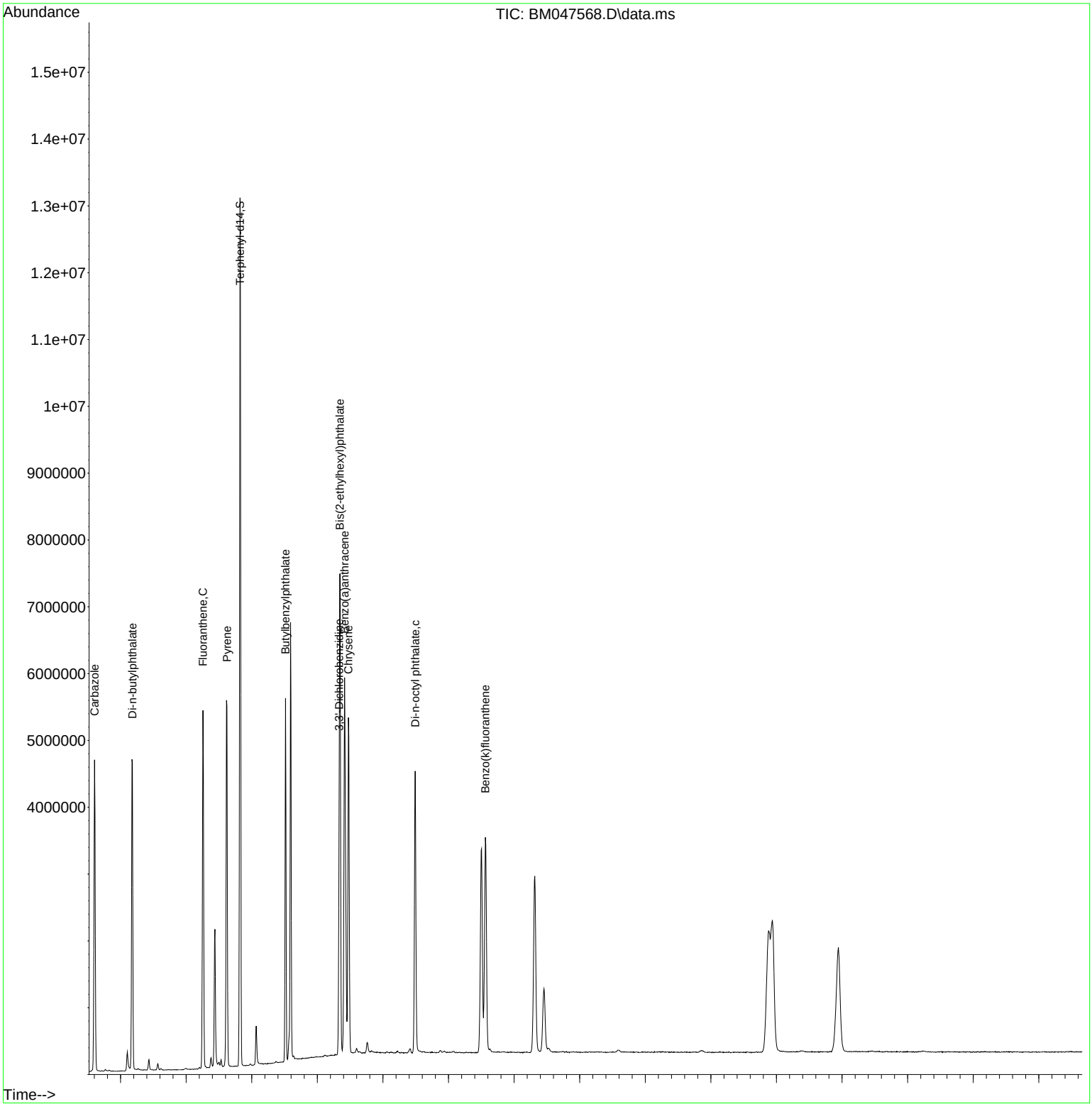
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

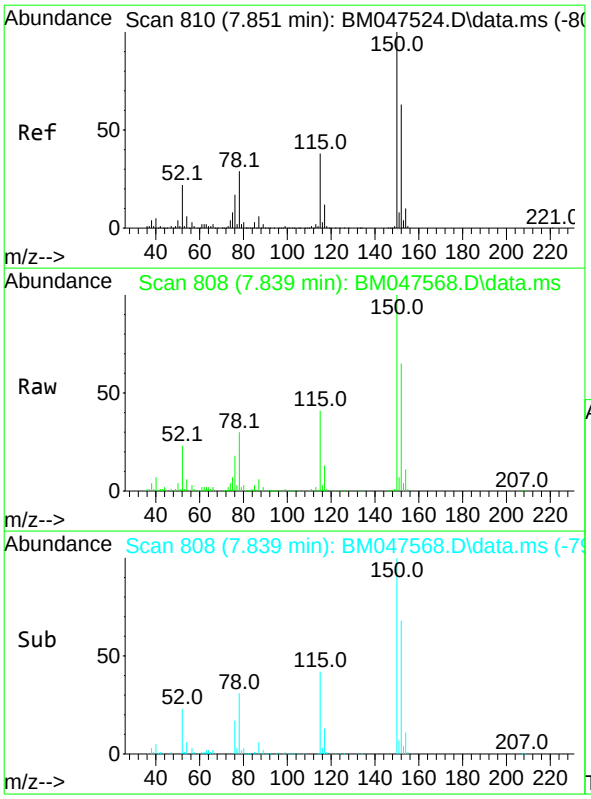
Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

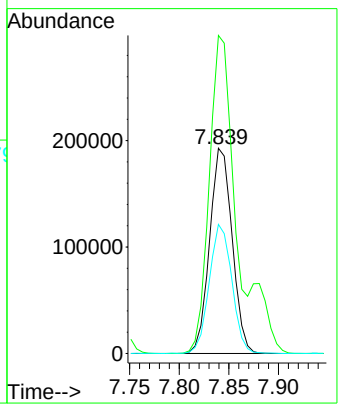




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:152 Resp: 304822

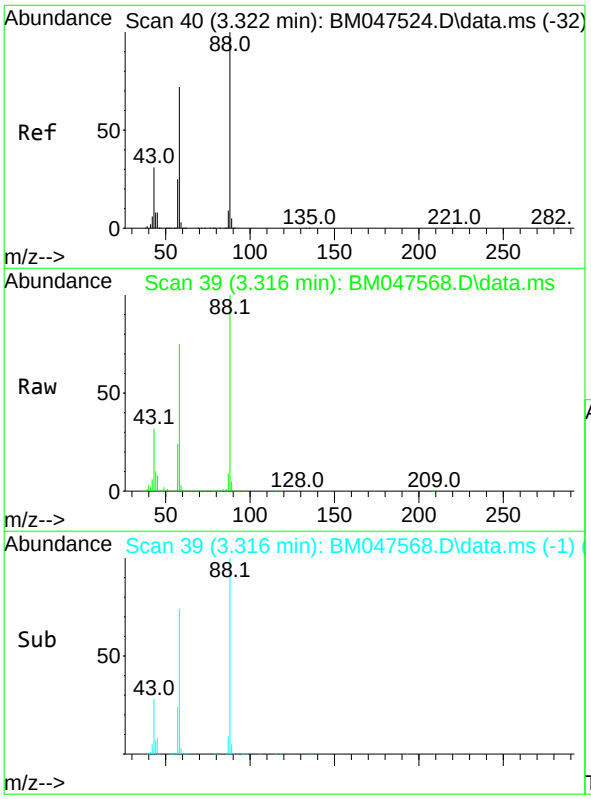
Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.8	190.2
115	62.9	47.8	71.8



Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
APPROVED

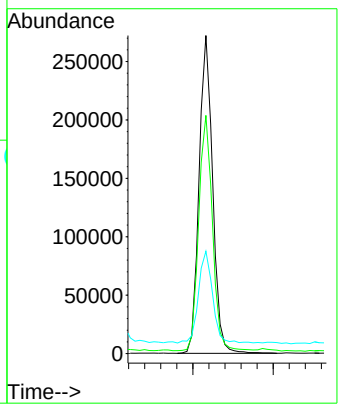
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

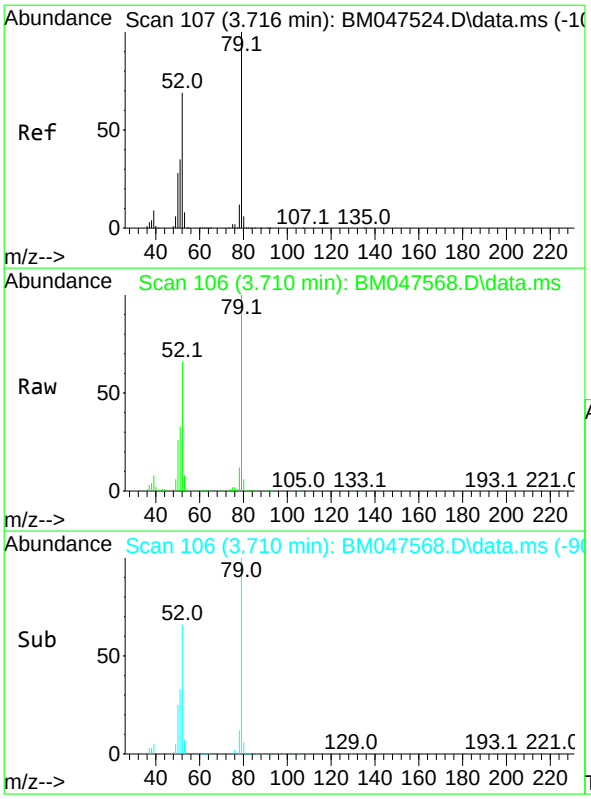


#2
1,4-Dioxane
Concen: 38.913 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

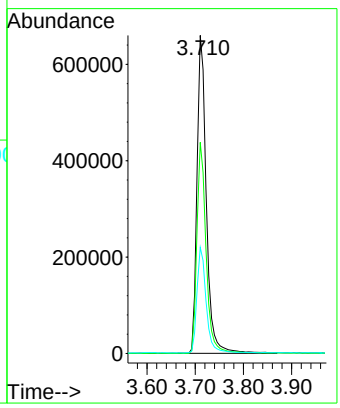




#3
Pyridine
Concen: 36.457 ng
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 79 Resp: 889857

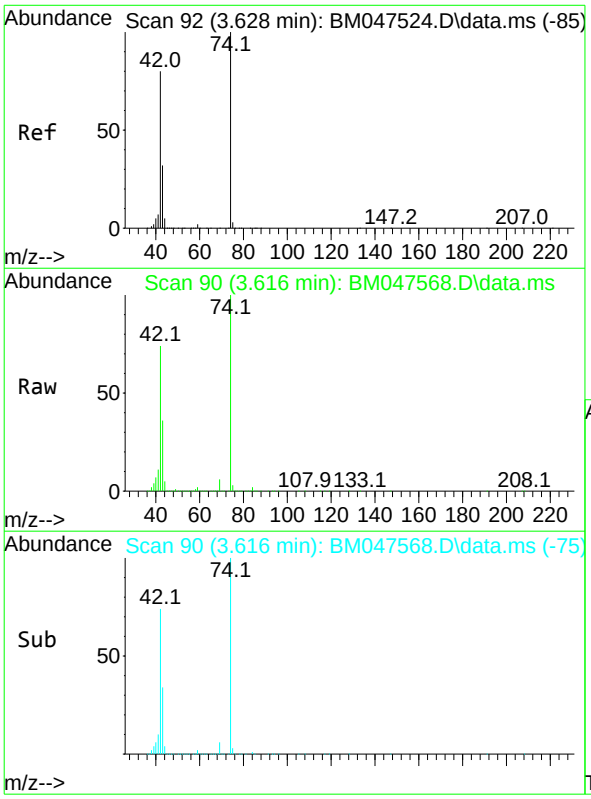
Ion	Ratio	Lower	Upper
79	100		
52	66.4	55.4	83.0
51	33.4	27.9	41.9



Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
APPROVED

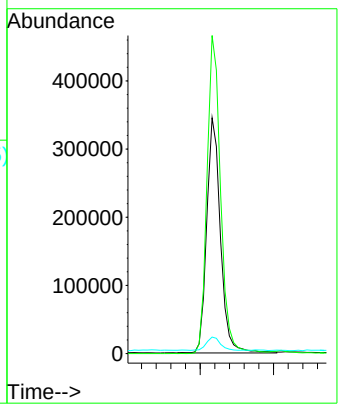
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

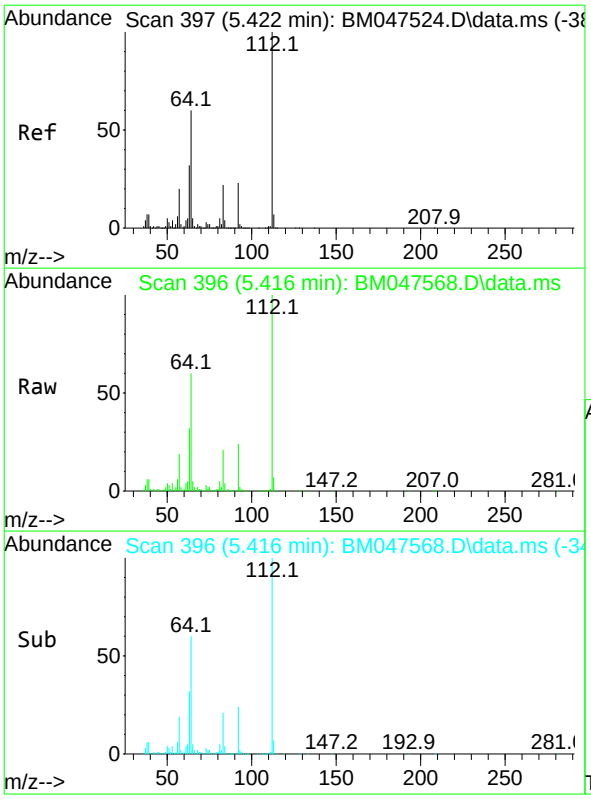


#4
n-Nitrosodimethylamine
Concen: 40.547 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

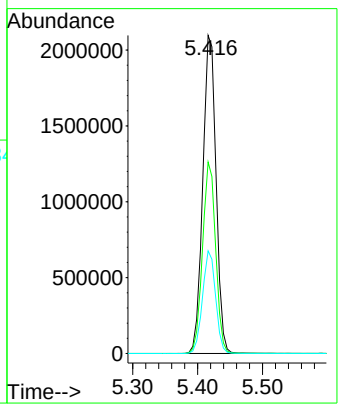
Instrument :
BNA_M
ClientSampleId :
PB163318BS

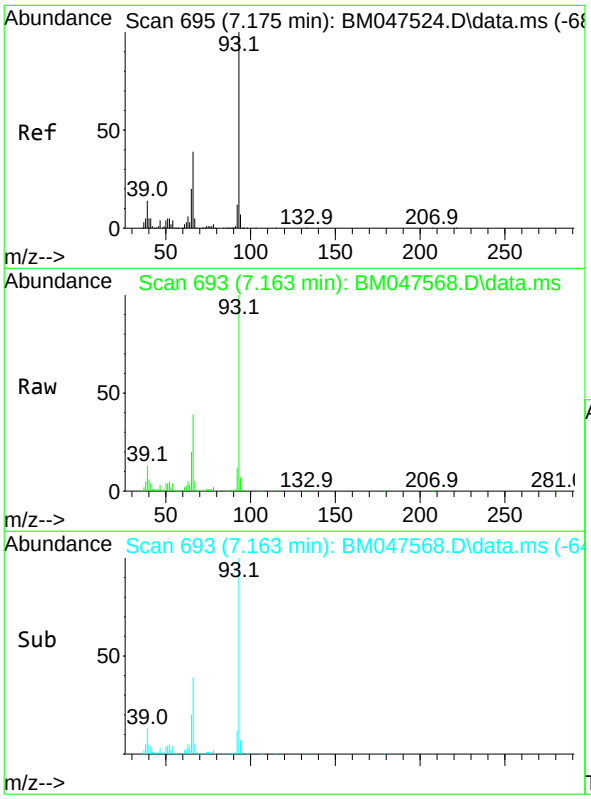
Tgt Ion:112 Resp: 2977701

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.2	72.4
63	32.3	26.0	39.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

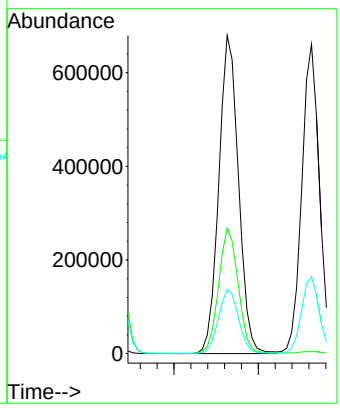


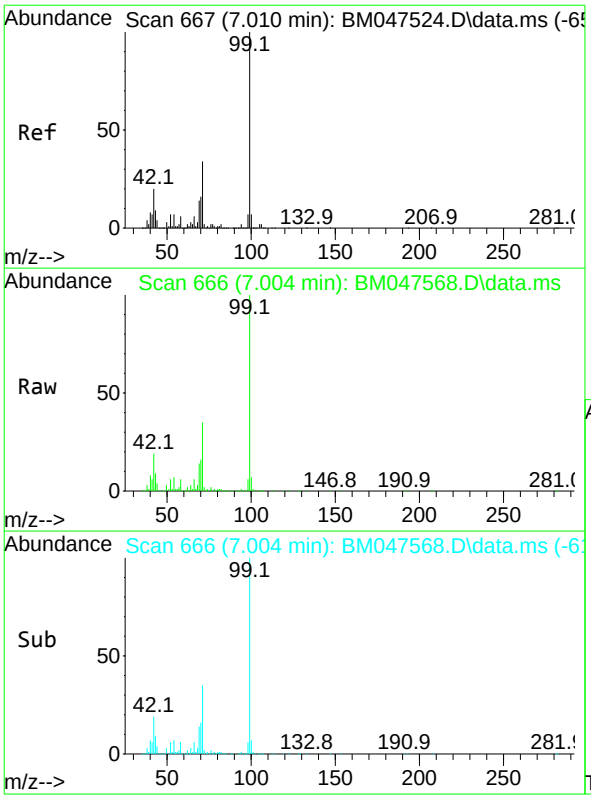


#6
Aniline
Concen: 46.192 ng
RT: 7.163 min Scan# 693
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

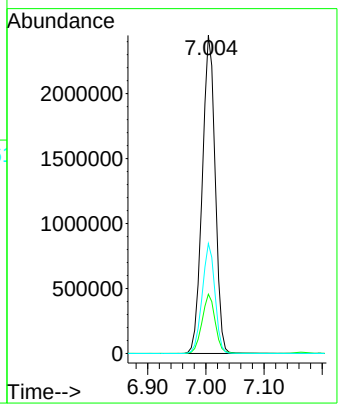




#7
Phenol-d6
Concen: 140.148 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
PB163318BS

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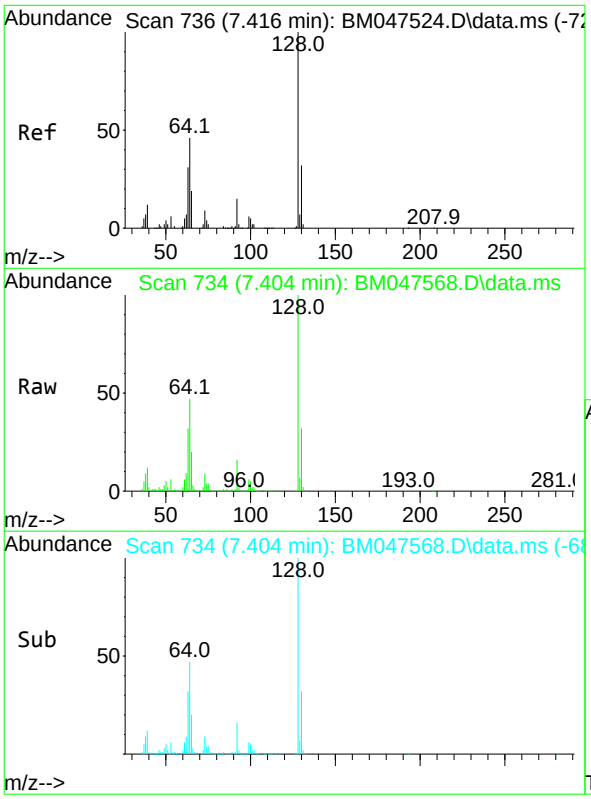
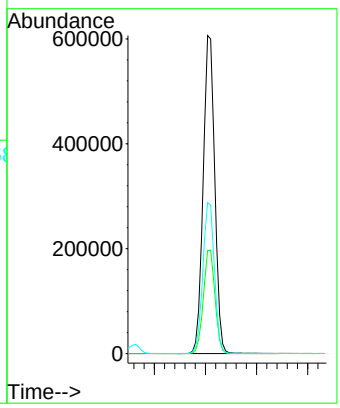
Supervised By :mohammad ahmed 09/22/2024

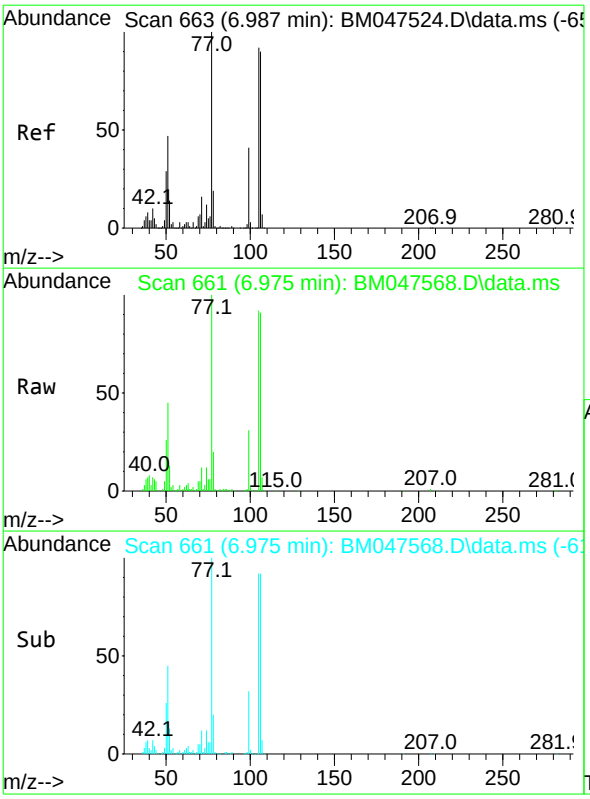


#8
2-Chlorophenol
Concen: 45.342 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

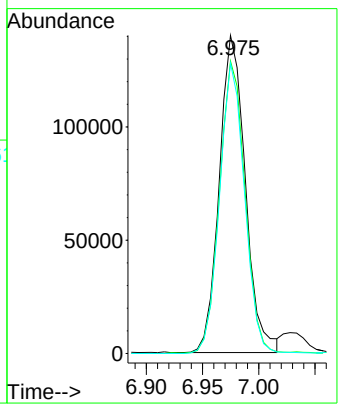




#9
Benzaldehyde
Concen: 17.610 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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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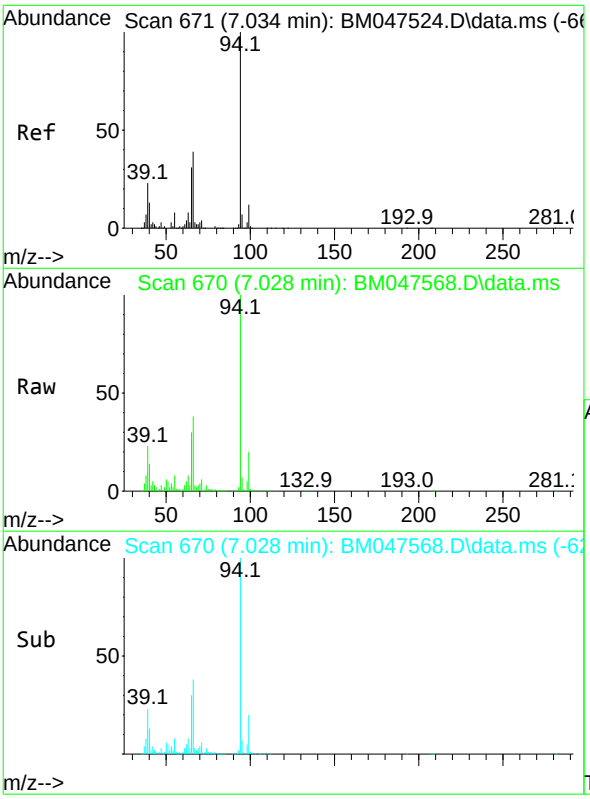
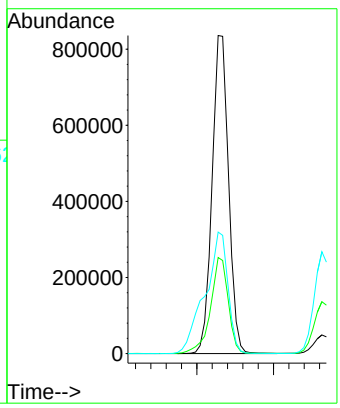
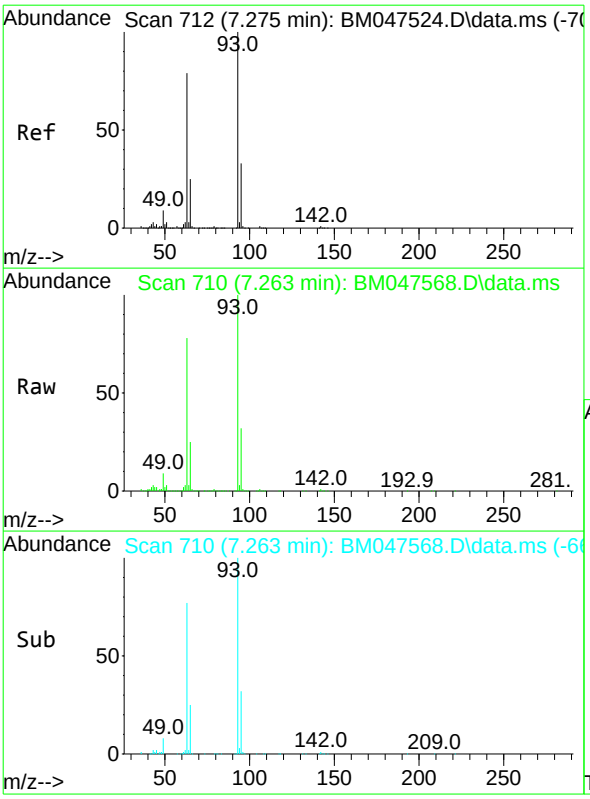


#10
Phenol
Concen: 46.168 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

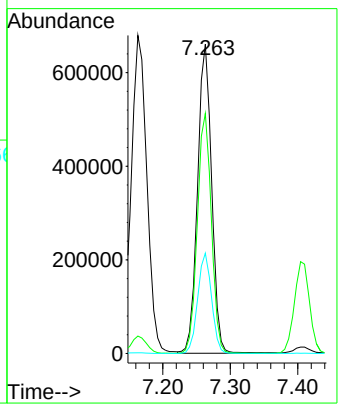




#11
bis(2-Chloroethyl)ether
Concen: 44.181 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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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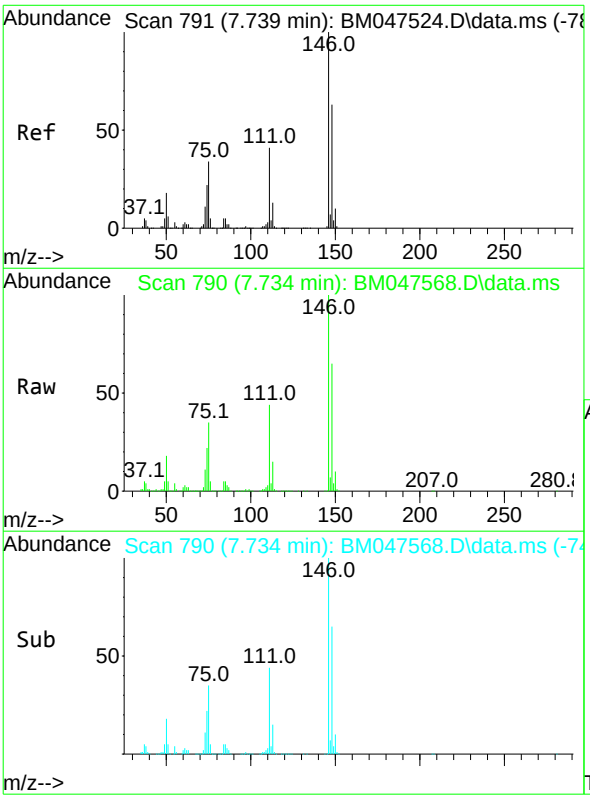
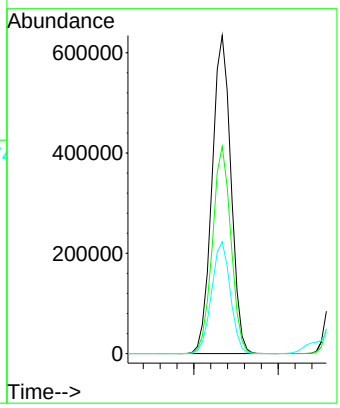
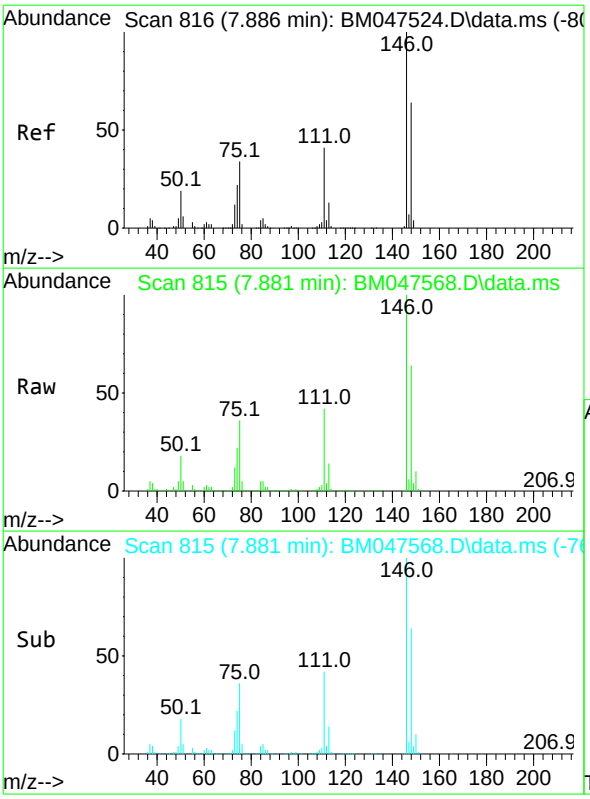


#12
1,3-Dichlorobenzene
Concen: 42.689 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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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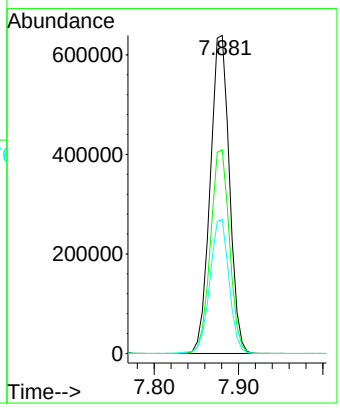
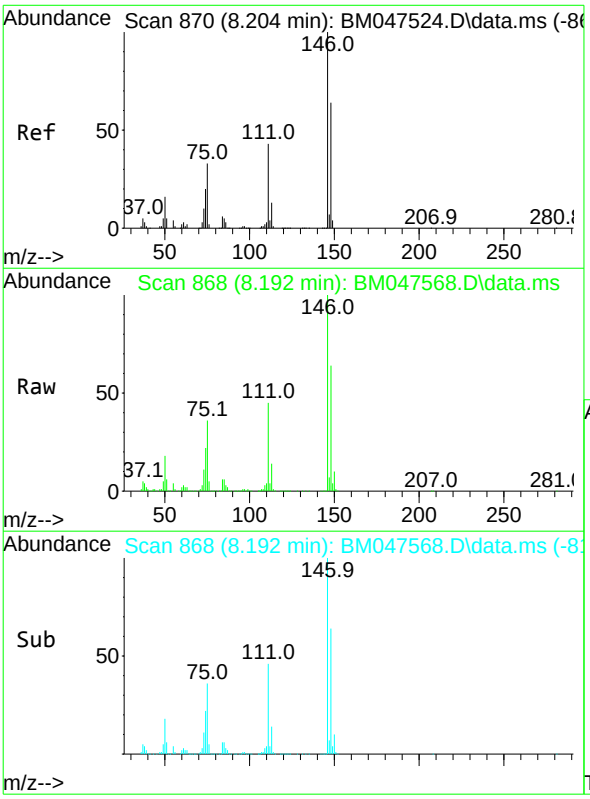
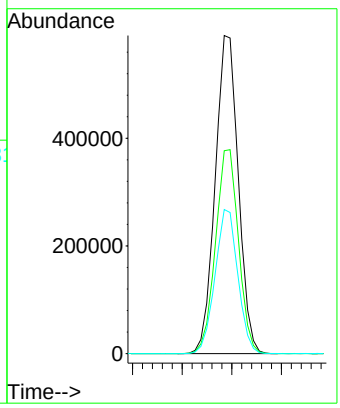


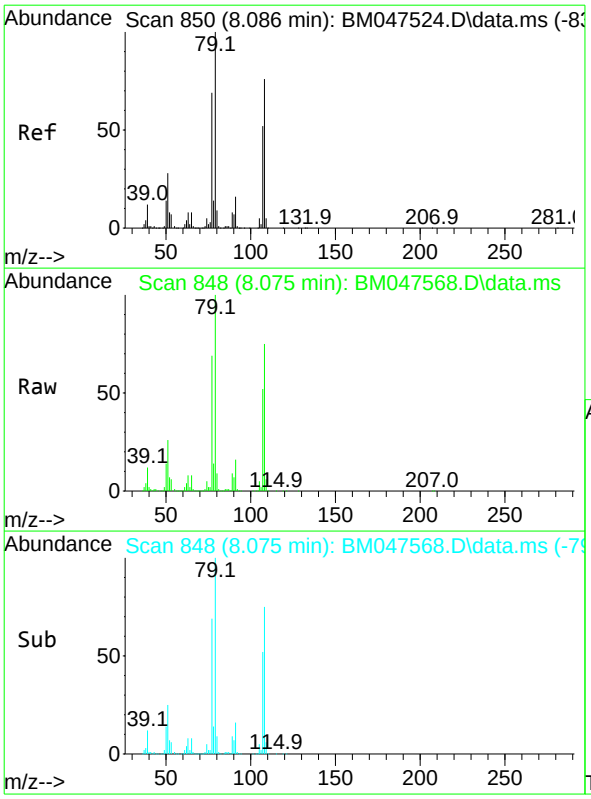


#14
1,2-Dichlorobenzene
Concen: 41.302 ng
RT: 8.192 min Scan# 868
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

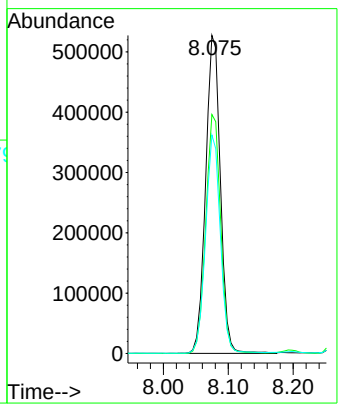




#15
Benzyl Alcohol
Concen: 45.596 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
BNA_M
ClientSampleId :
PB163318BS

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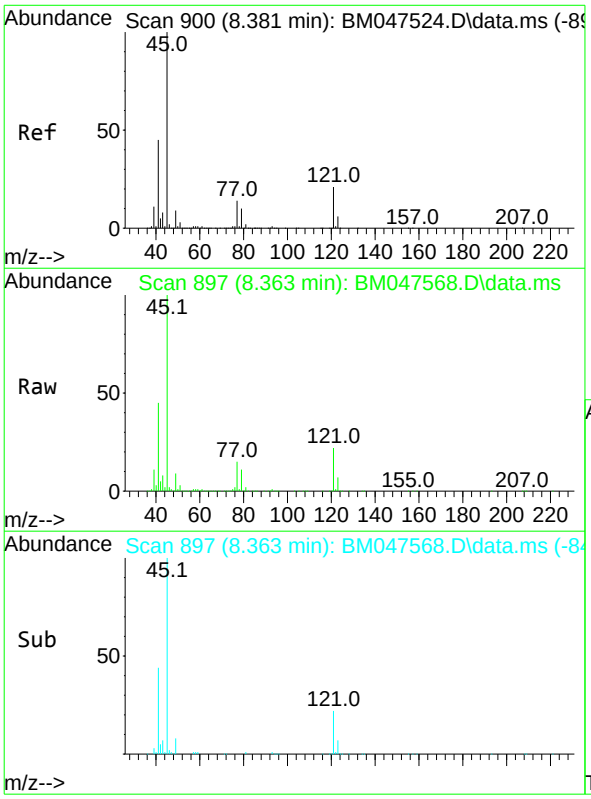
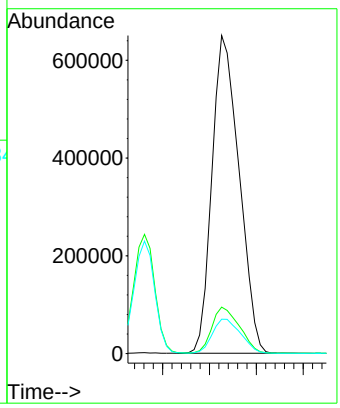
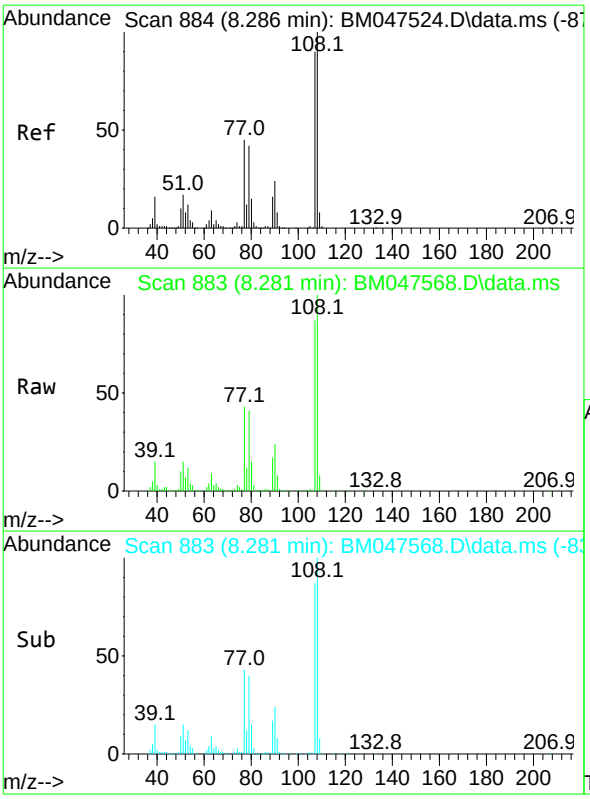


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.931 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

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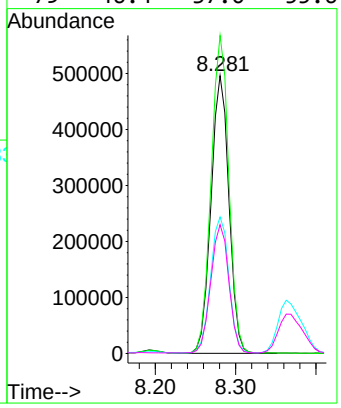
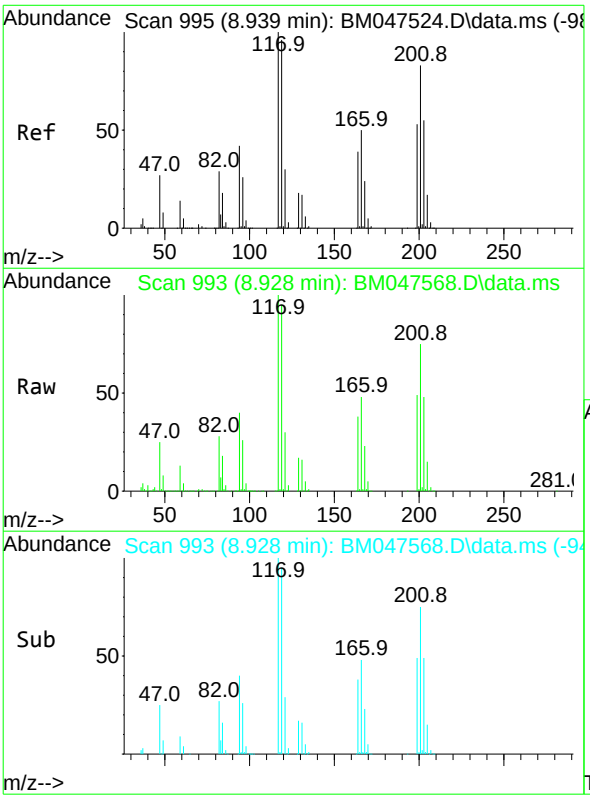
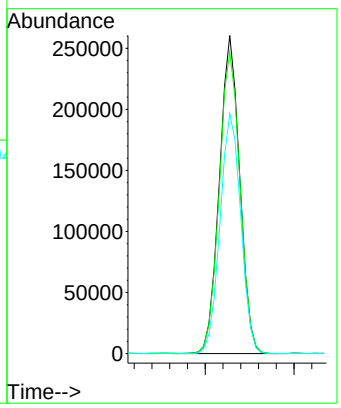


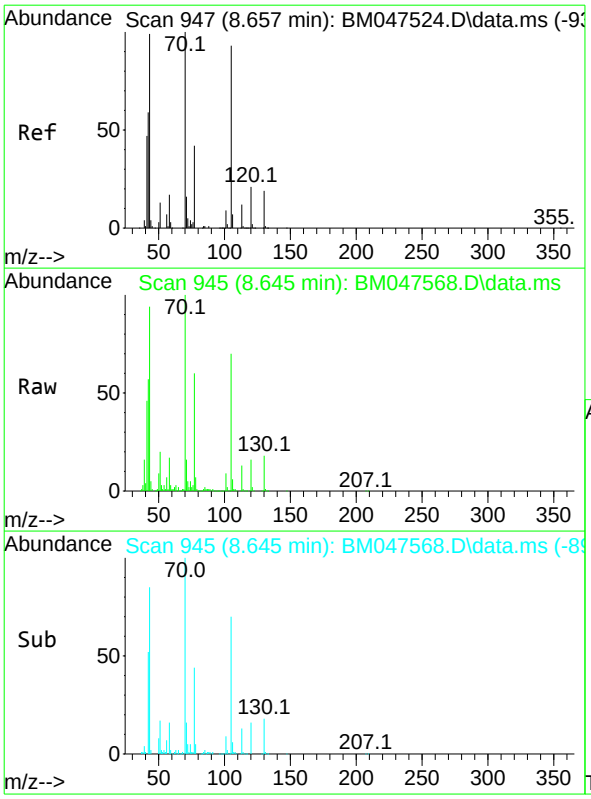


#18
Hexachloroethane
Concen: 43.978 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

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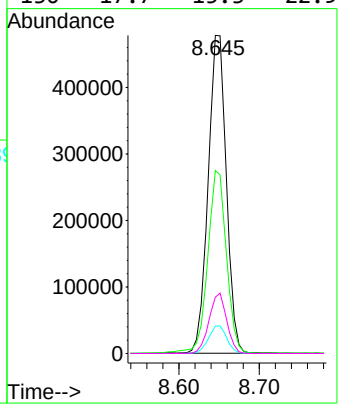
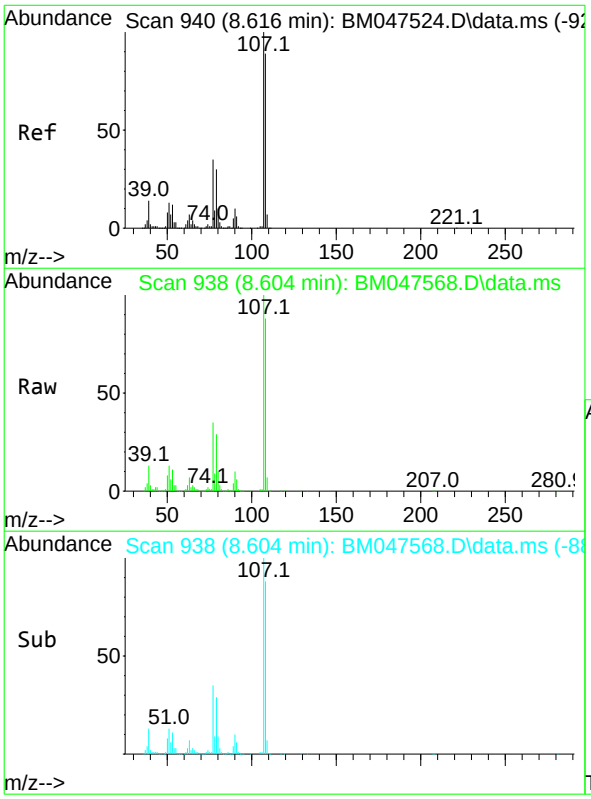
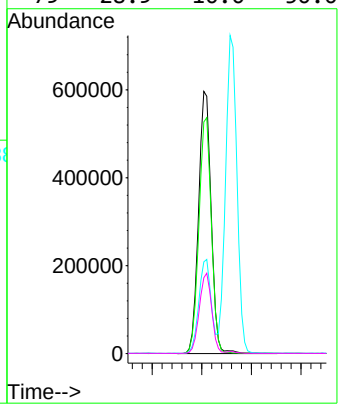


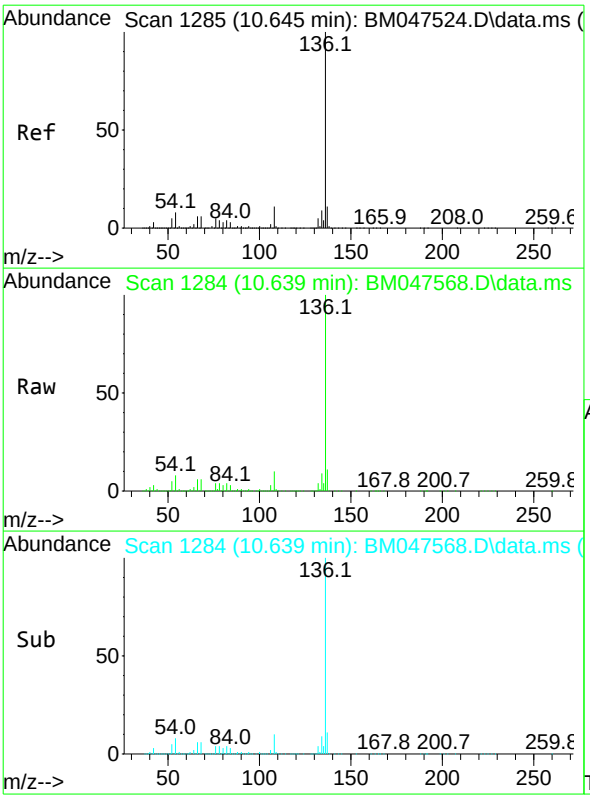


#20
3+4-Methylphenols
Concen: 43.710 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

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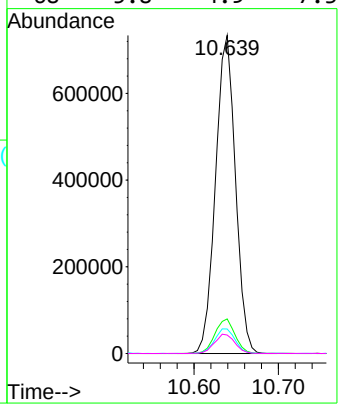
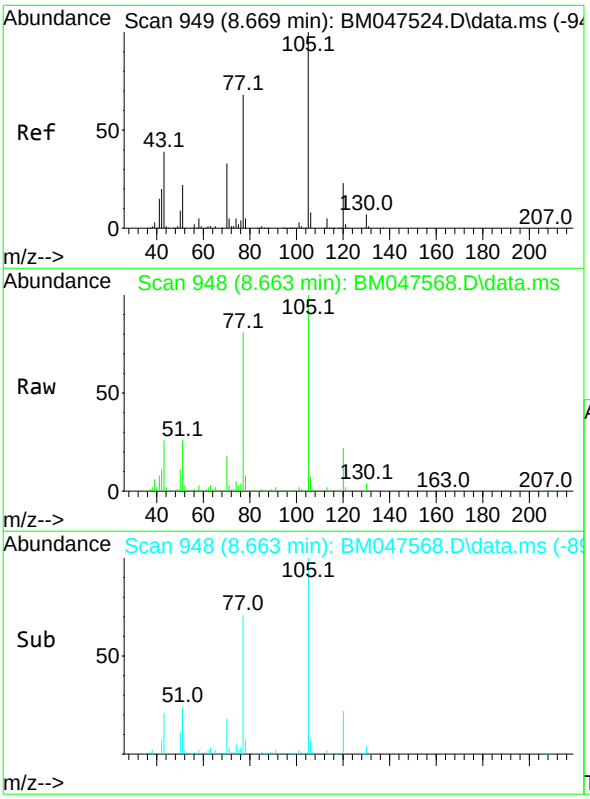
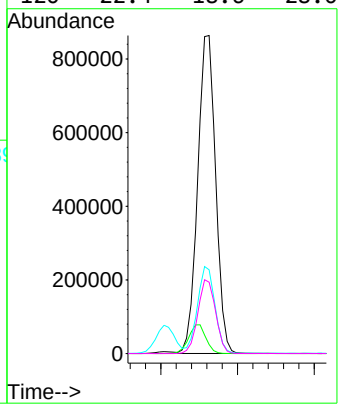


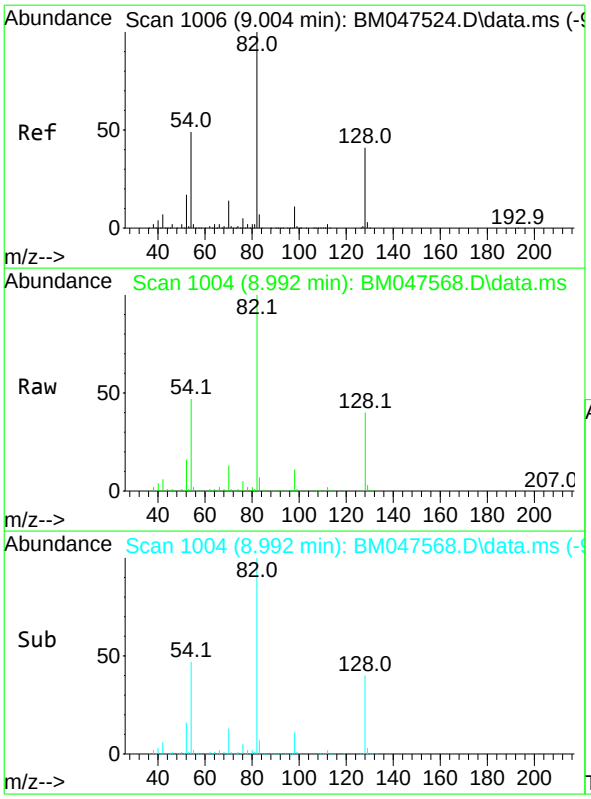


#22
Acetophenone
Concen: 44.507 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
PB163318BS

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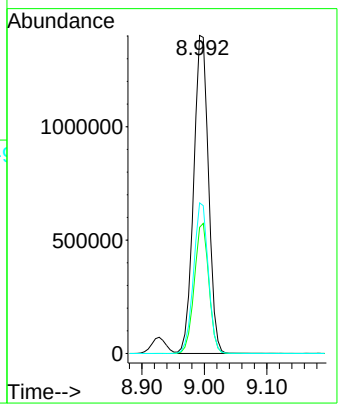
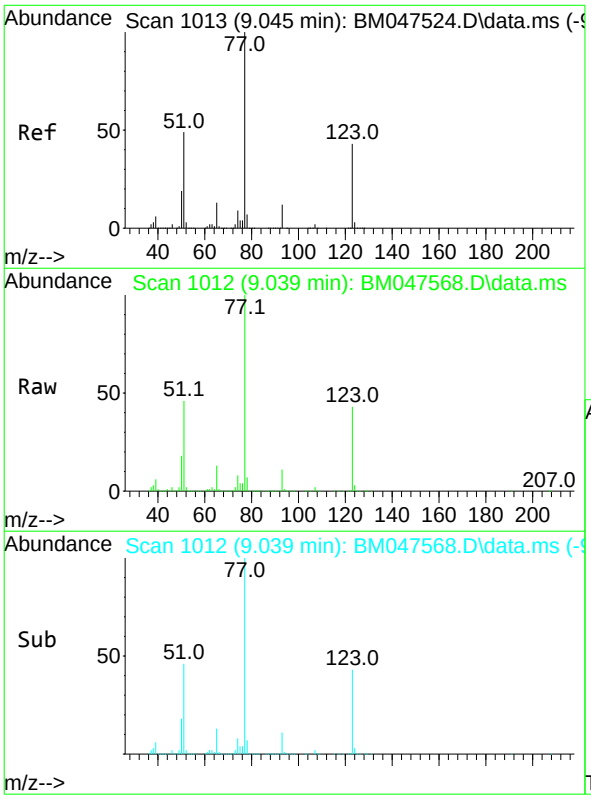
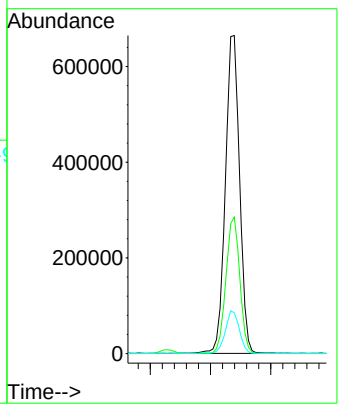


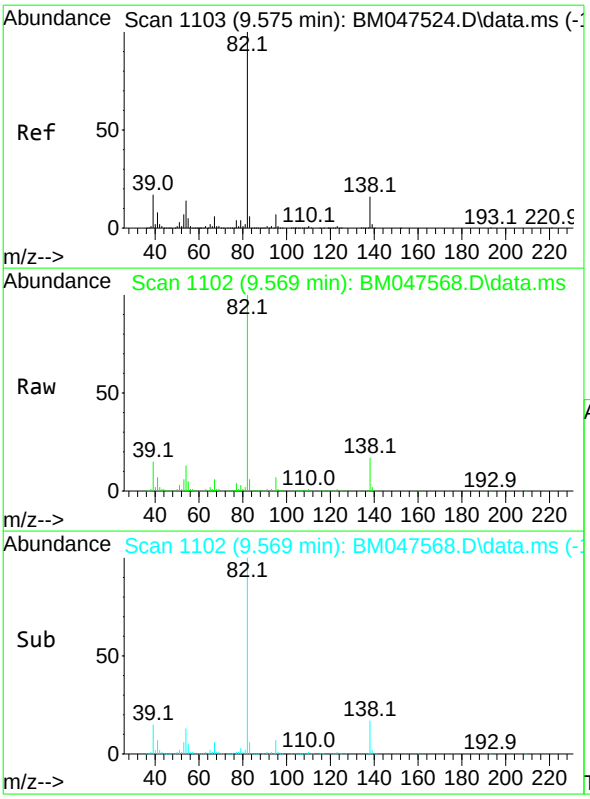


#24
Nitrobenzene
Concen: 44.079 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
BNA_M
ClientSampleId :
PB163318BS

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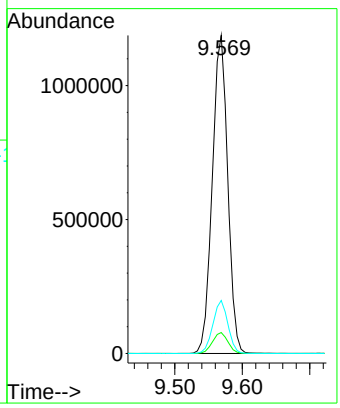
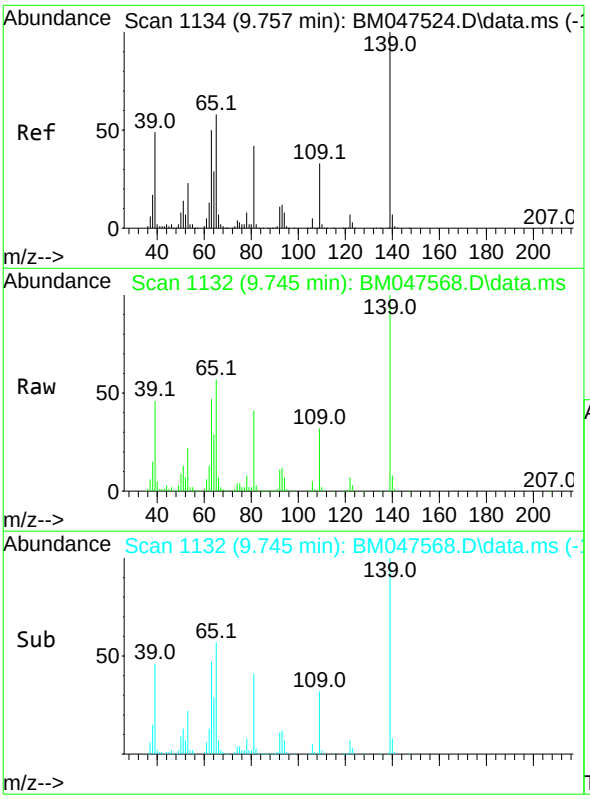
Supervised By :mohammad ahmed 09/22/2024

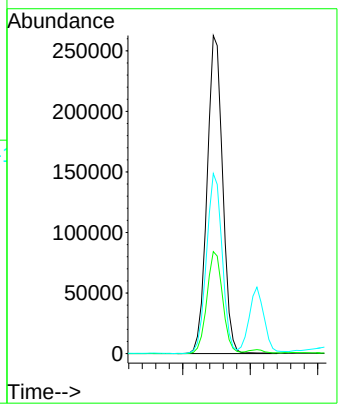


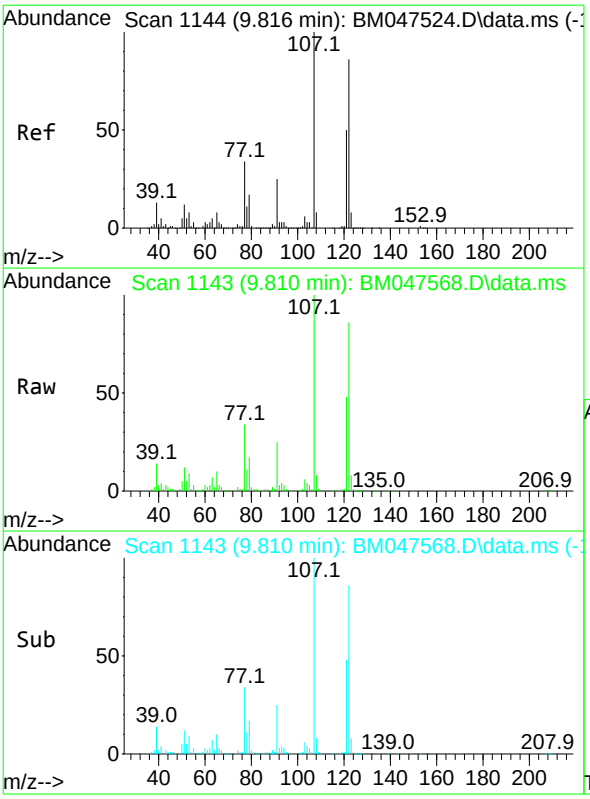


#26
2-Nitrophenol
Concen: 50.080 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
BNA_M
ClientSampleId :
PB163318BS

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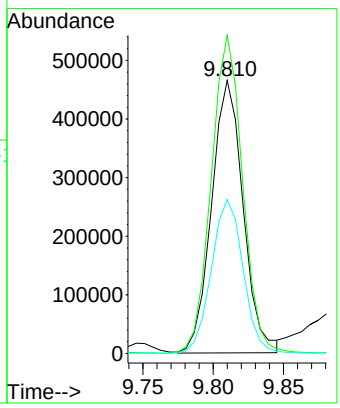
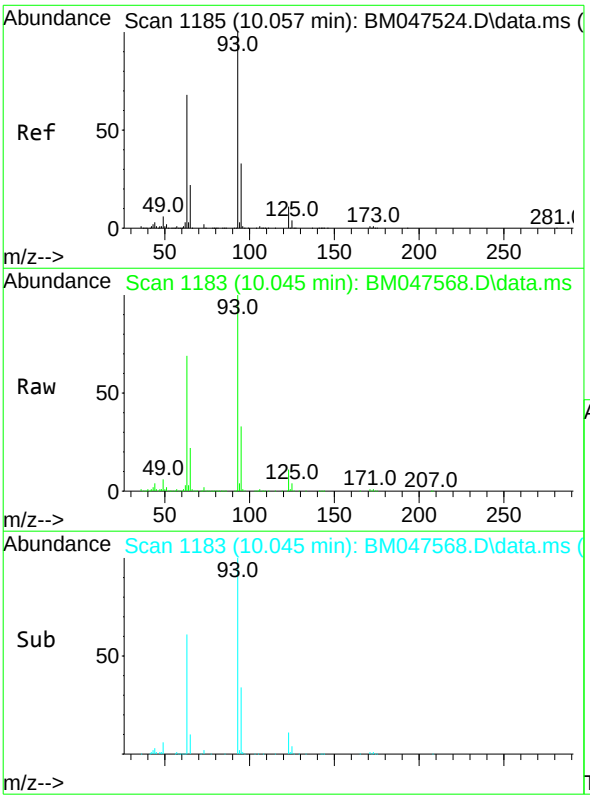
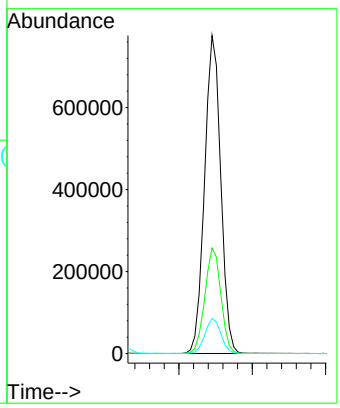


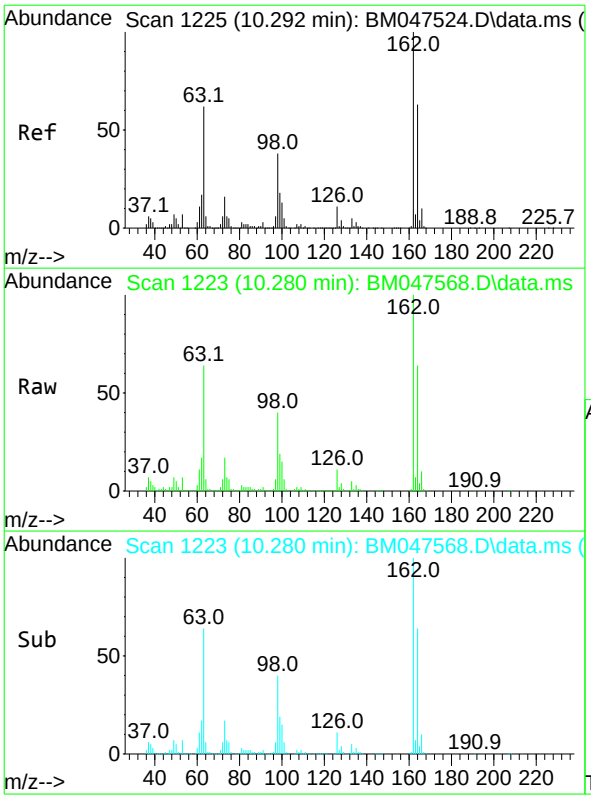


#28
bis(2-Chloroethoxy)methane
Concen: 44.757 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
BNA_M
ClientSampleId :
PB163318BS

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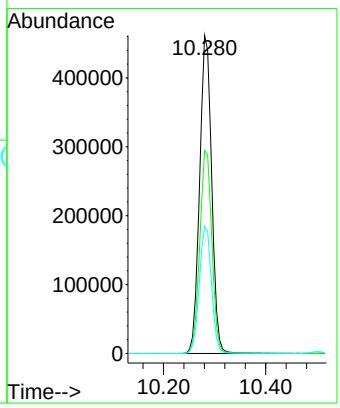
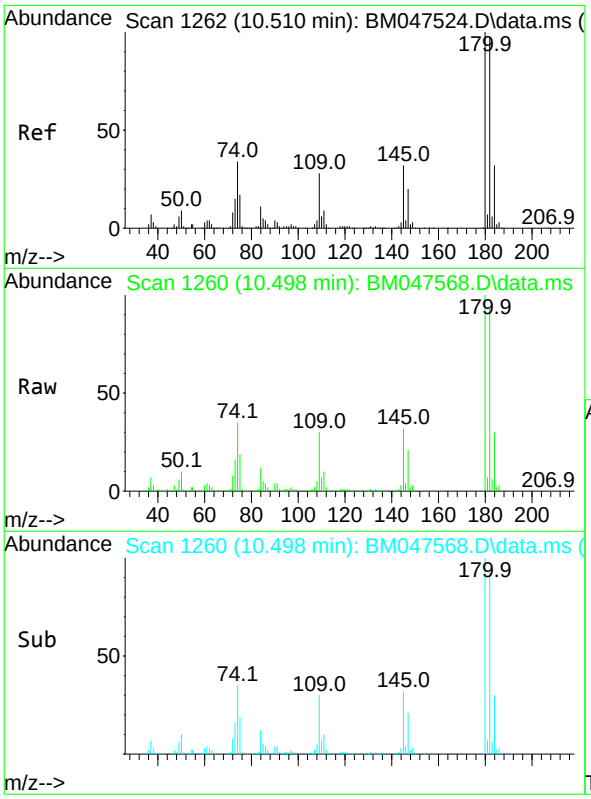
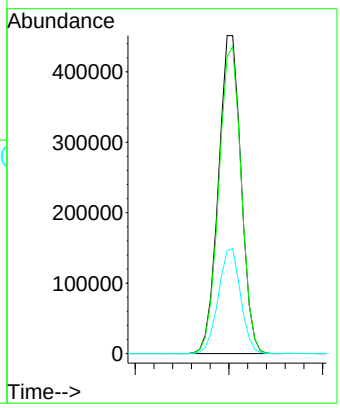


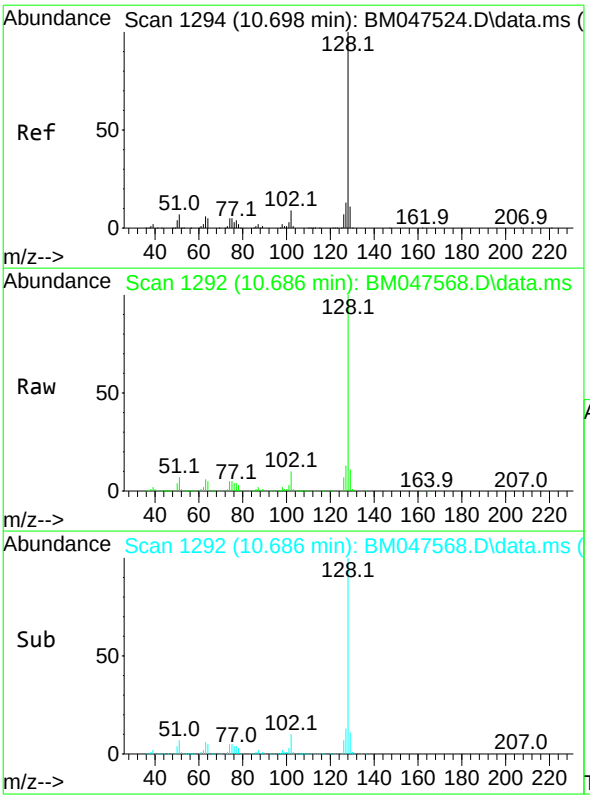


#30
1,2,4-Trichlorobenzene
Concen: 40.754 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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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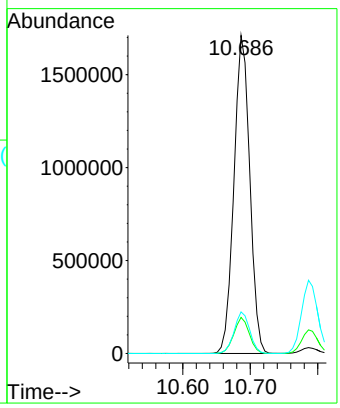
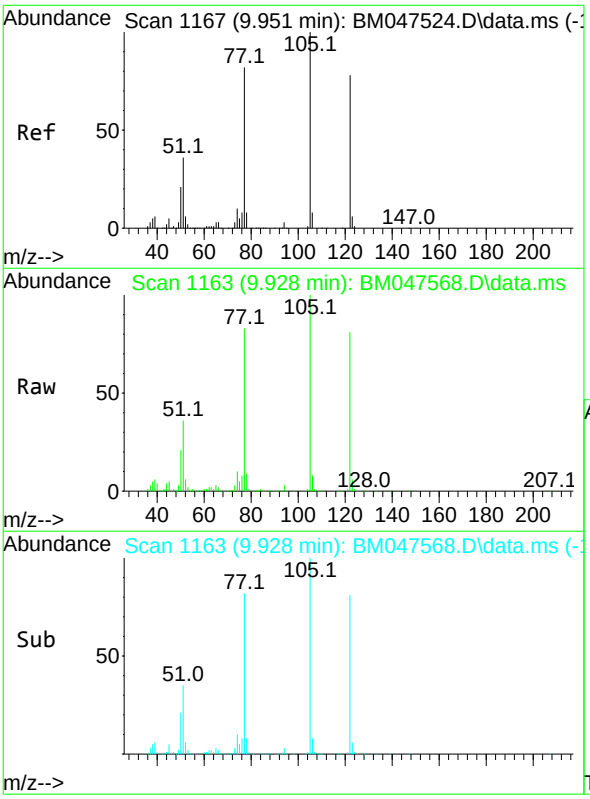
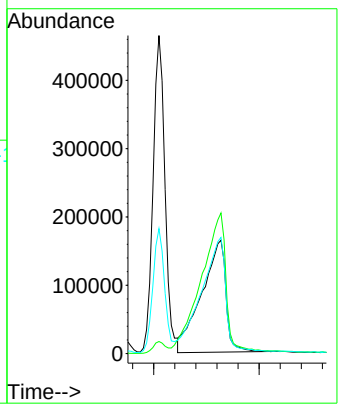


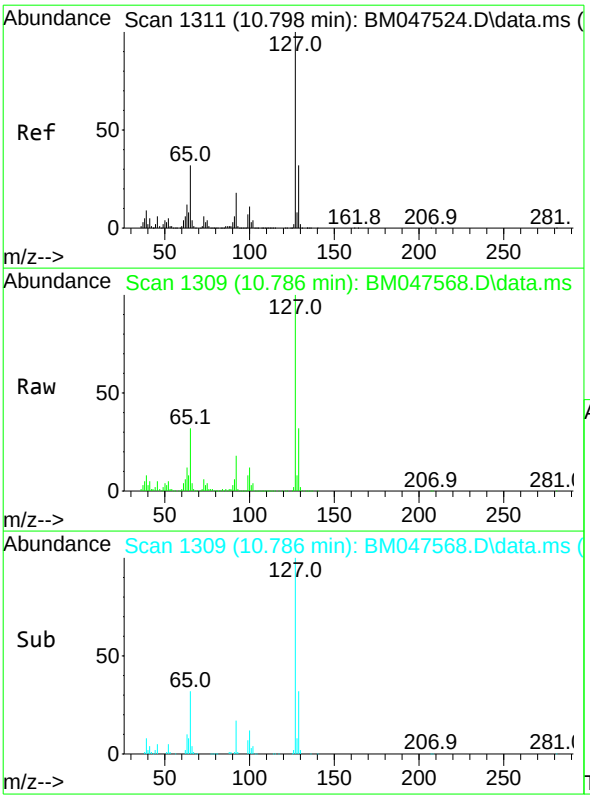


#32
Benzoic acid
Concen: 42.558 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

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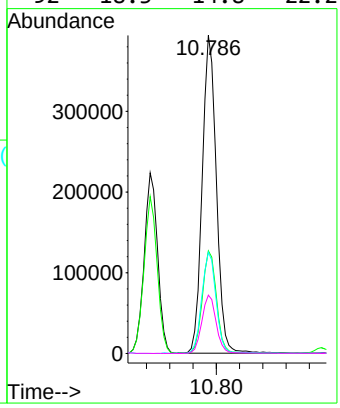
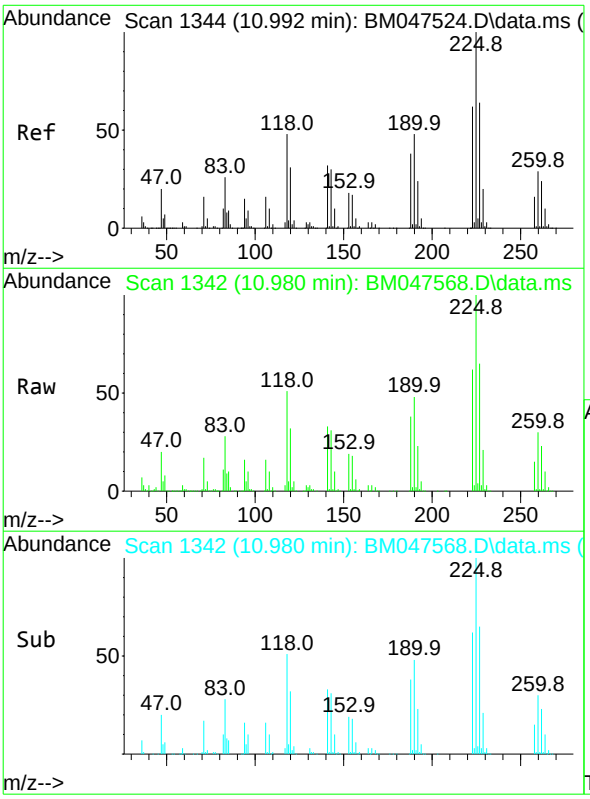
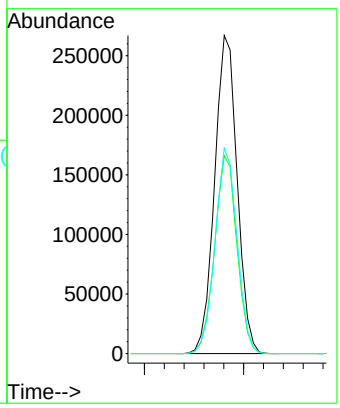


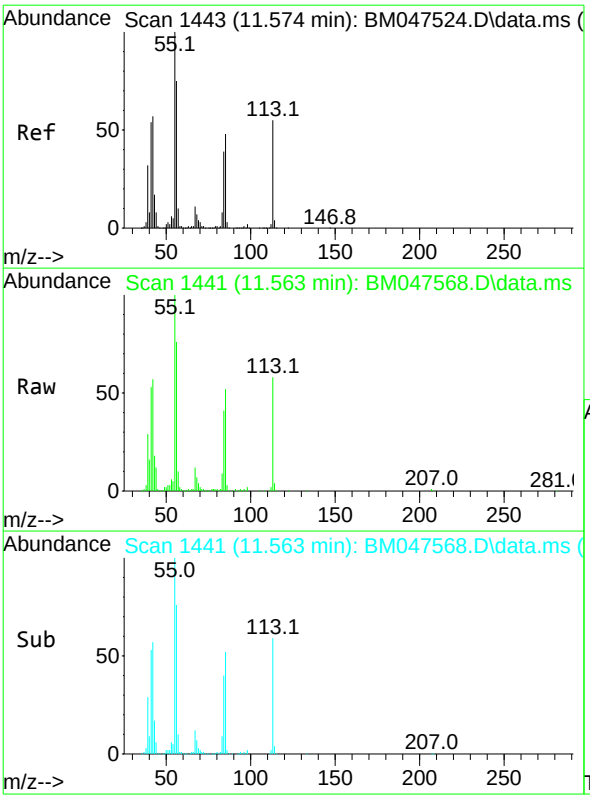


#34
Hexachlorobutadiene
Concen: 41.024 ng
RT: 10.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
PB163318BS

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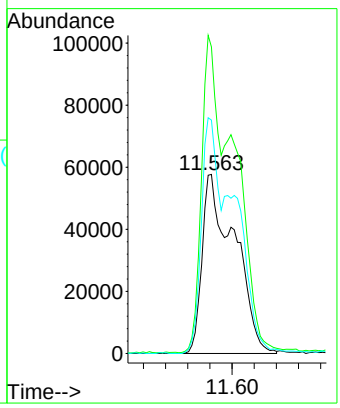
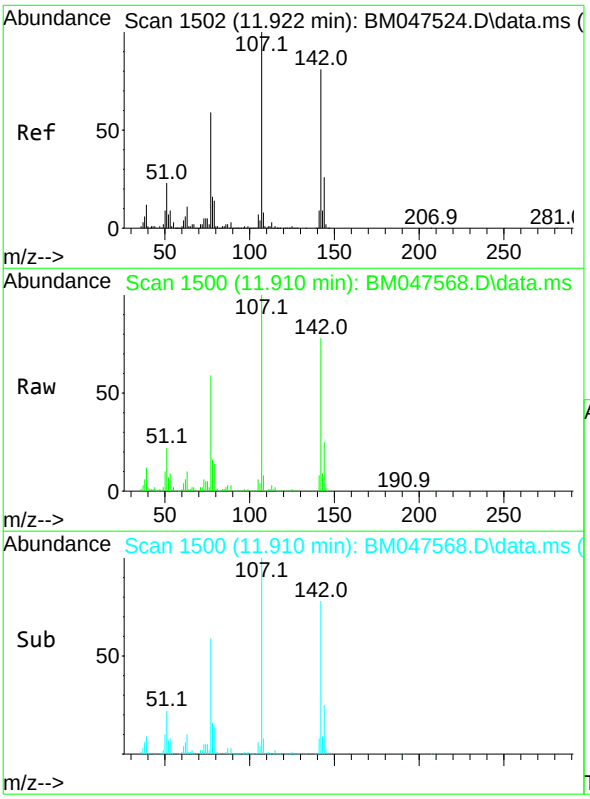
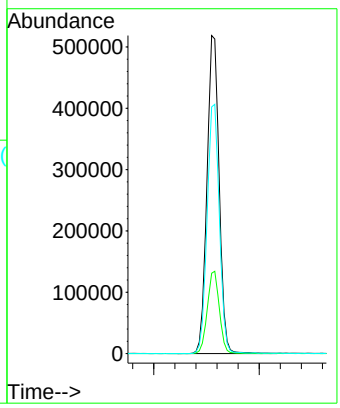


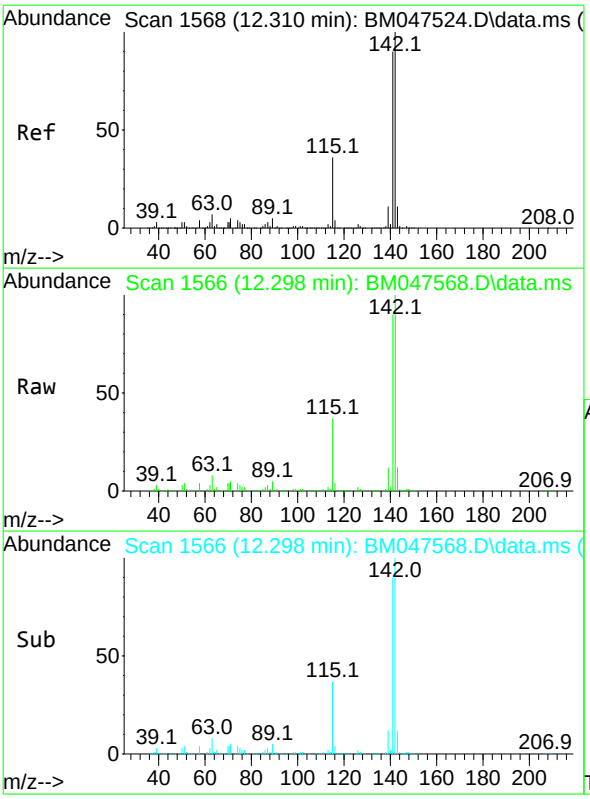


#36
4-Chloro-3-methylphenol
Concen: 44.885 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

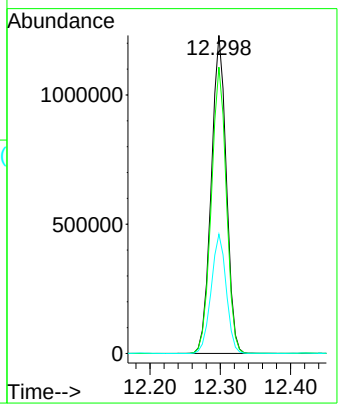




#37
2-Methylnaphthalene
Concen: 42.369 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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



Instrument :
BNA_M
ClientSampleId :
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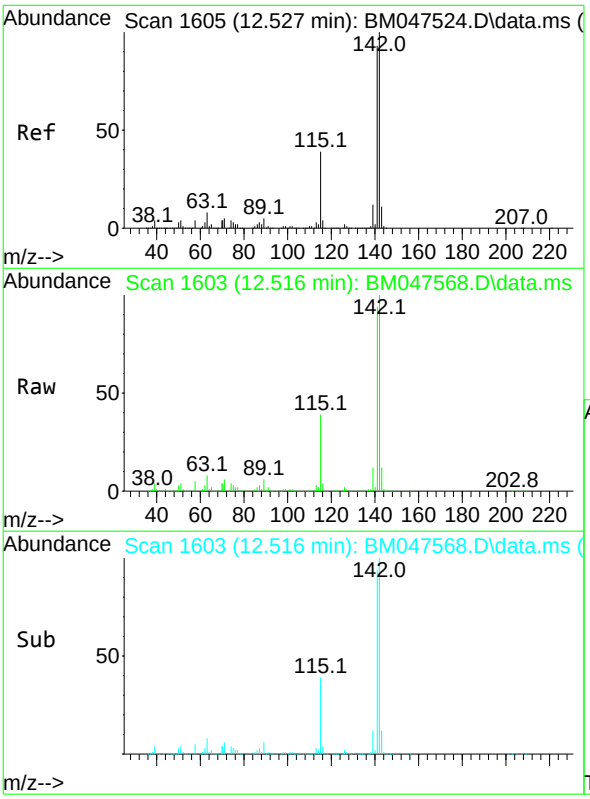
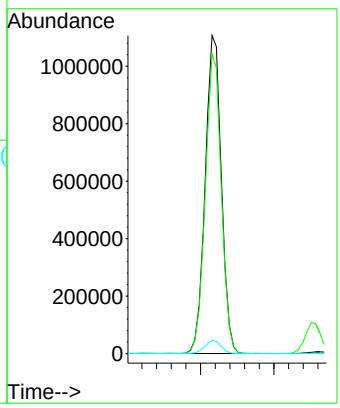
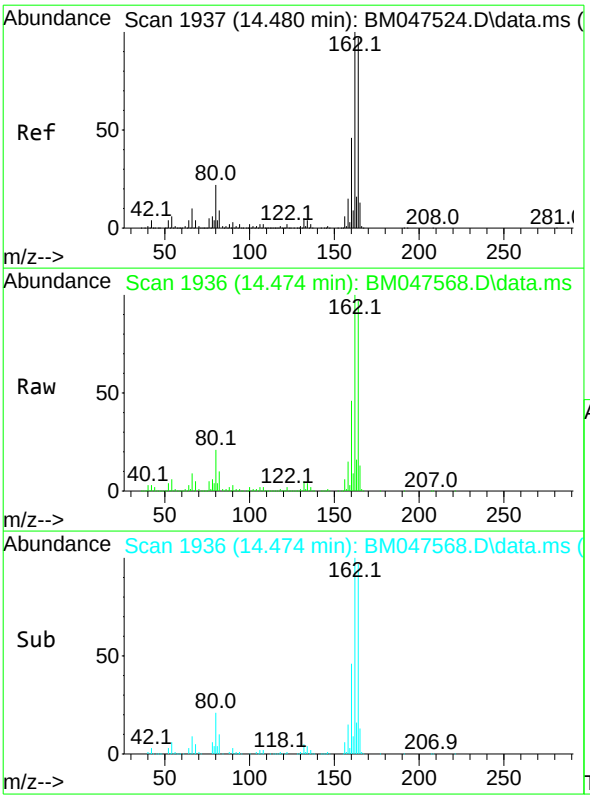


#38
1-Methylnaphthalene
Concen: 39.283 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

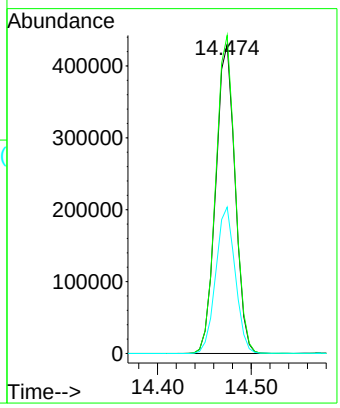




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
BNA_M
ClientSampleId :
PB163318BS

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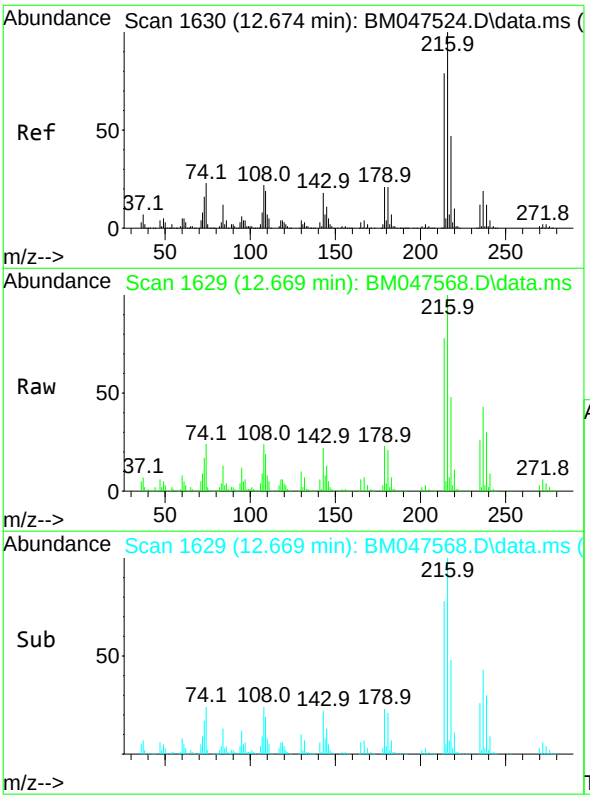
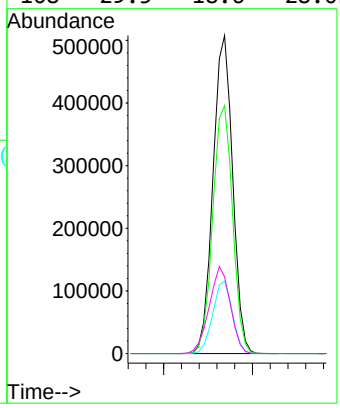
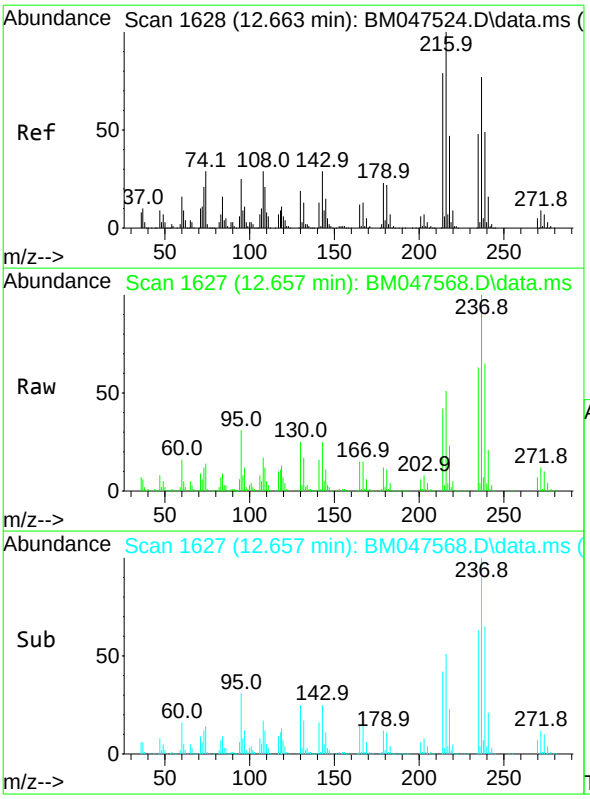


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.783 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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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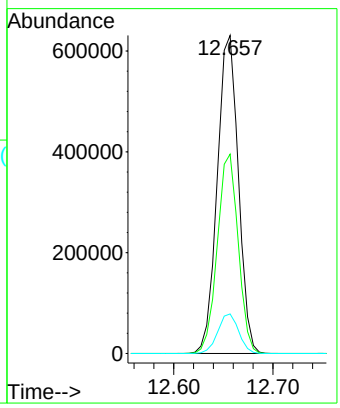
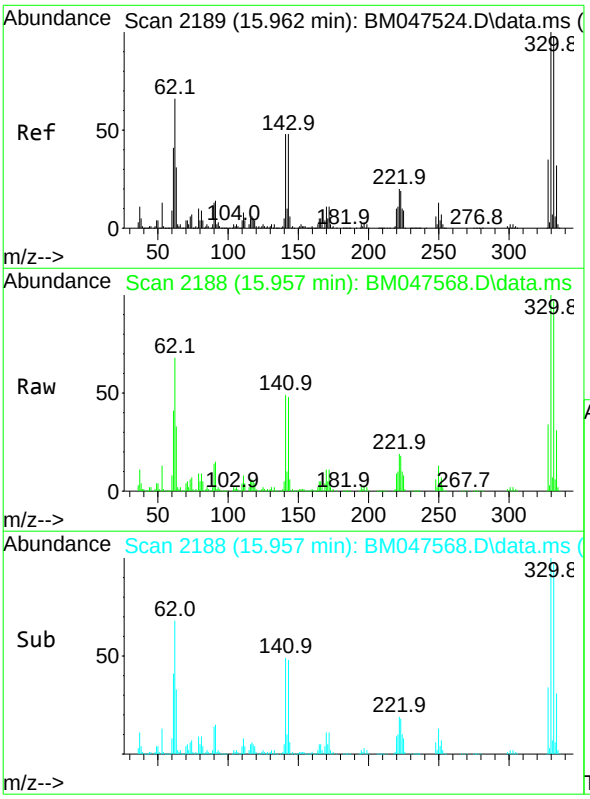
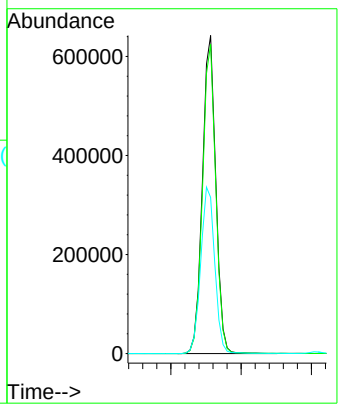


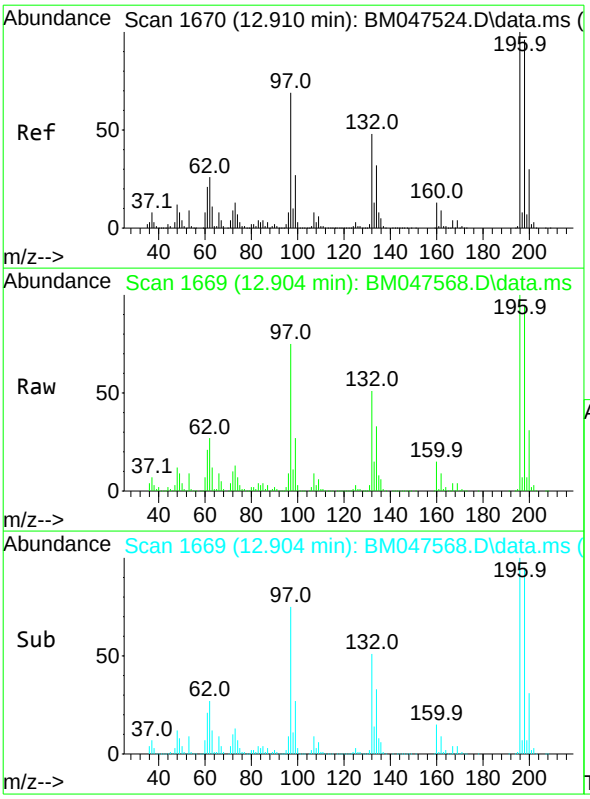


#42
2,4,6-Tribromophenol
Concen: 142.405 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

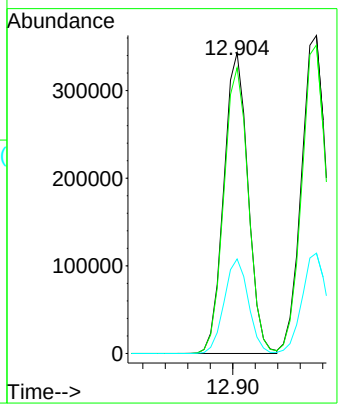




#43
2,4,6-Trichlorophenol
Concen: 49.239 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
PB163318BS

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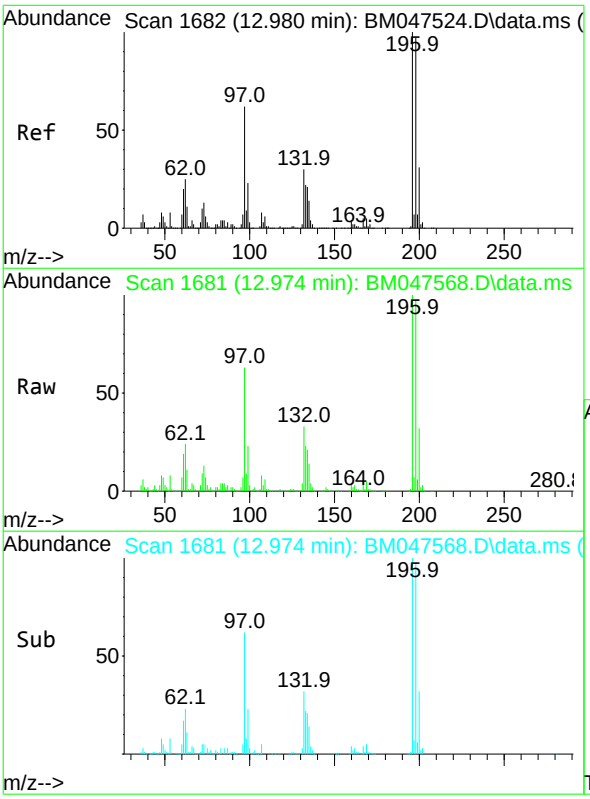
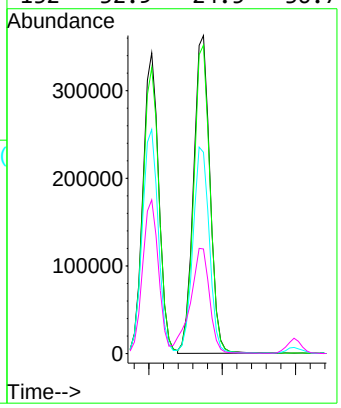
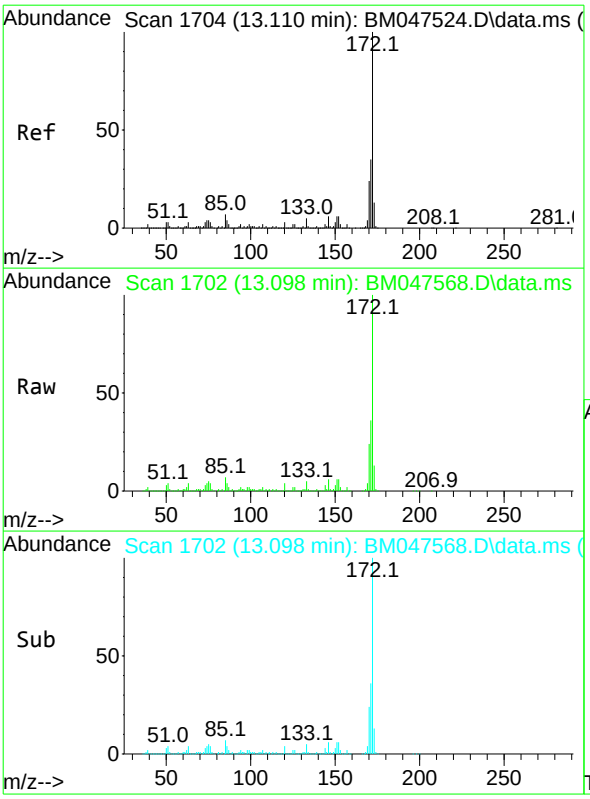


#44
2,4,5-Trichlorophenol
Concen: 47.669 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

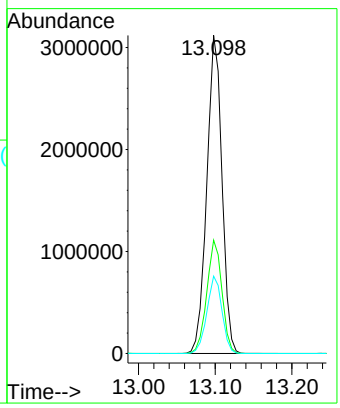




#45
2-Fluorobiphenyl
Concen: 95.753 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
BNA_M
ClientSampleId :
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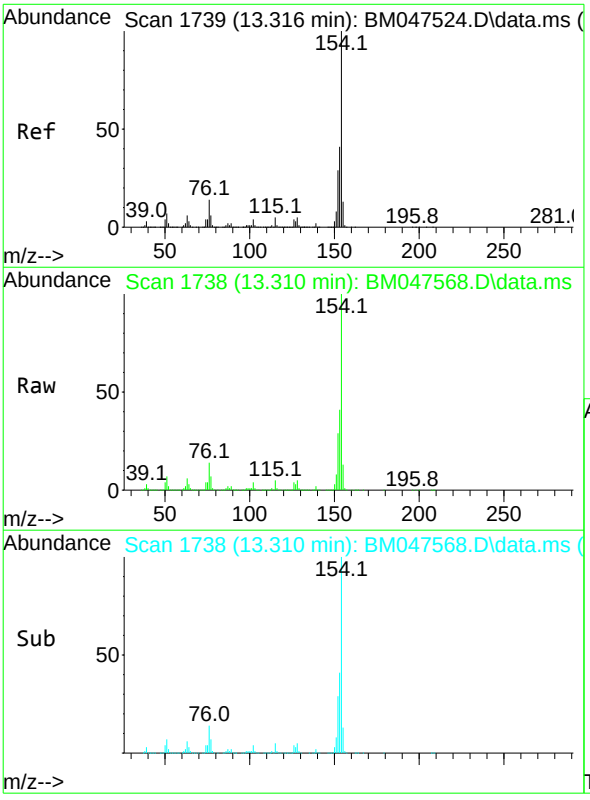
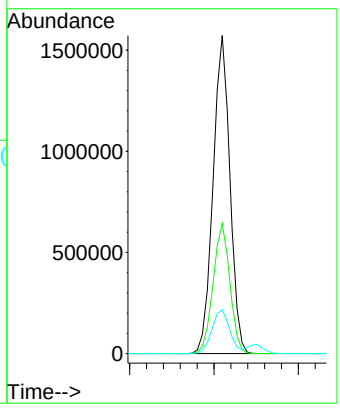
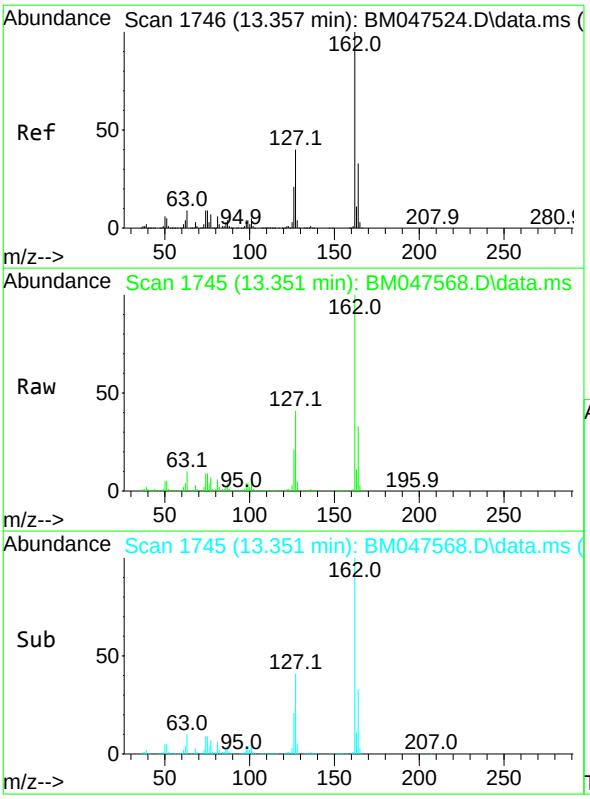


#46
1,1'-Biphenyl
Concen: 45.573 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

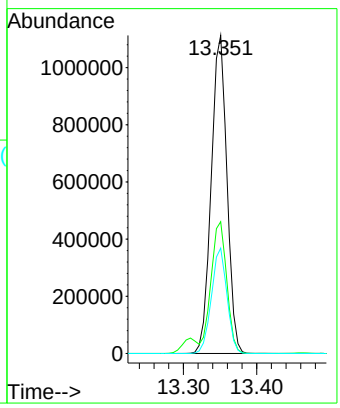




#47
2-Chloronaphthalene
Concen: 44.537 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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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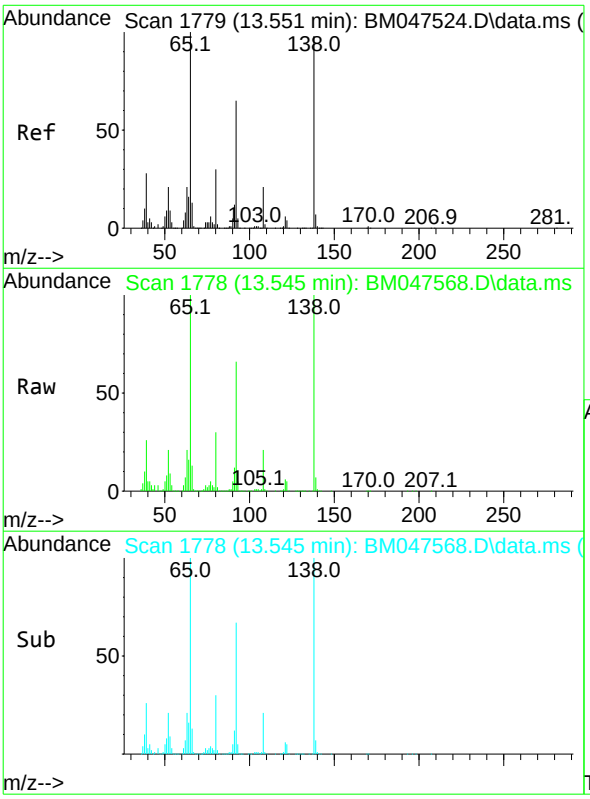
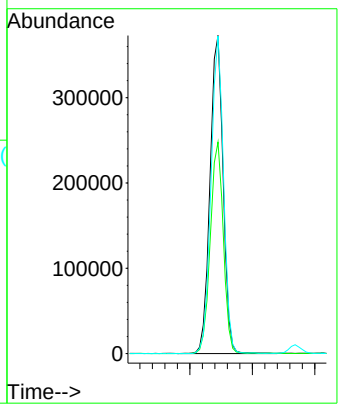
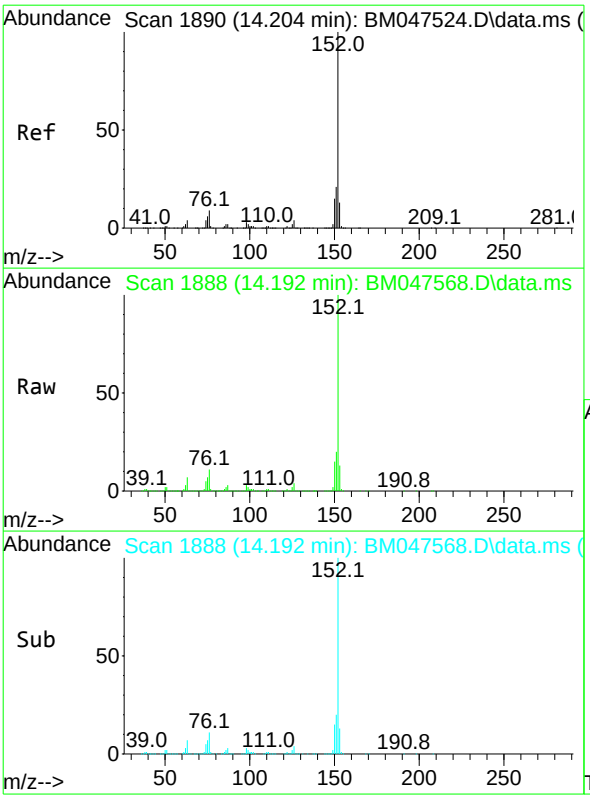


#48
2-Nitroaniline
Concen: 49.716 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

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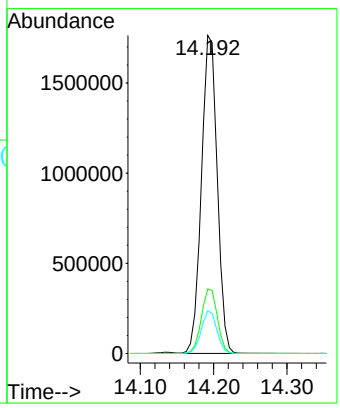
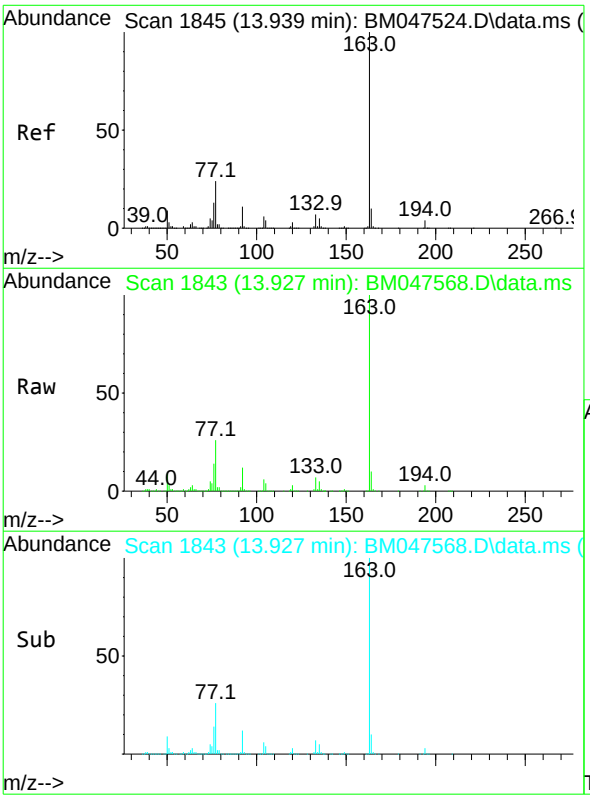
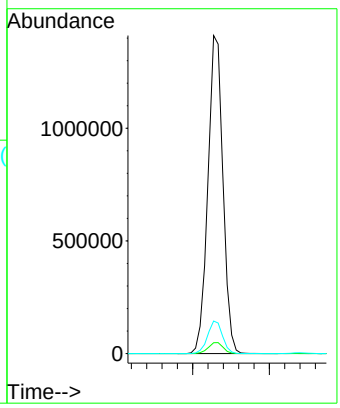


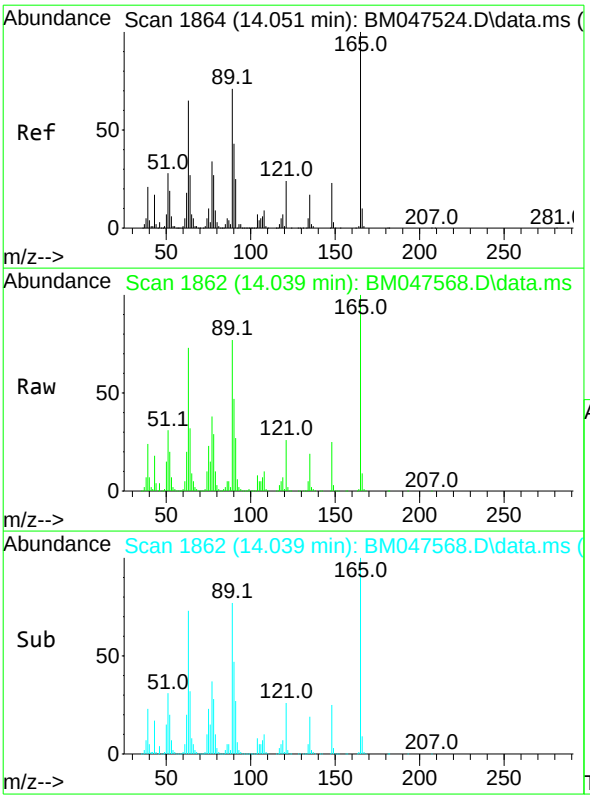


#50
Dimethylphthalate
Concen: 45.854 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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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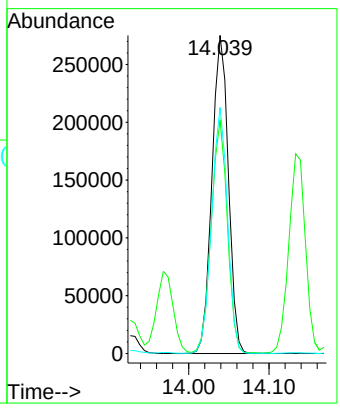
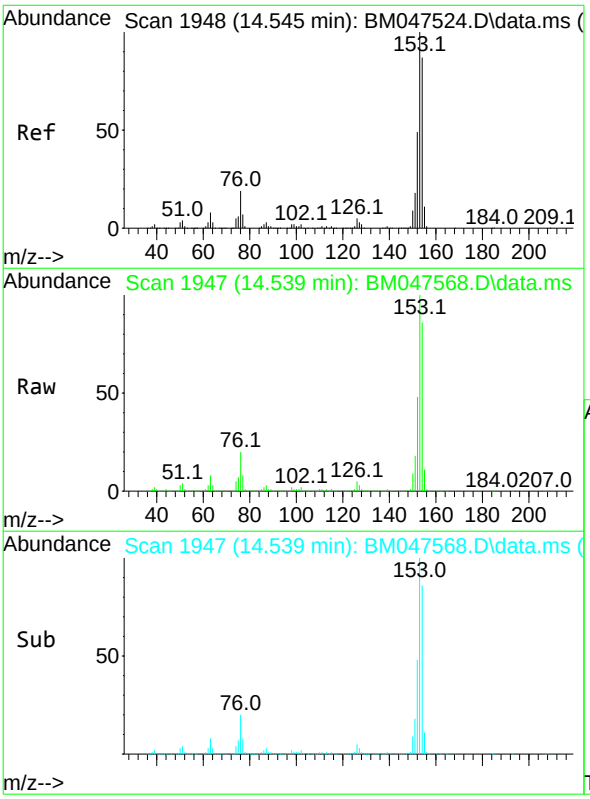
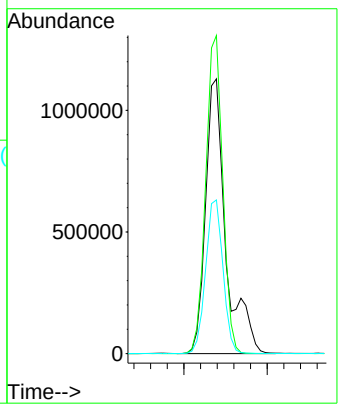


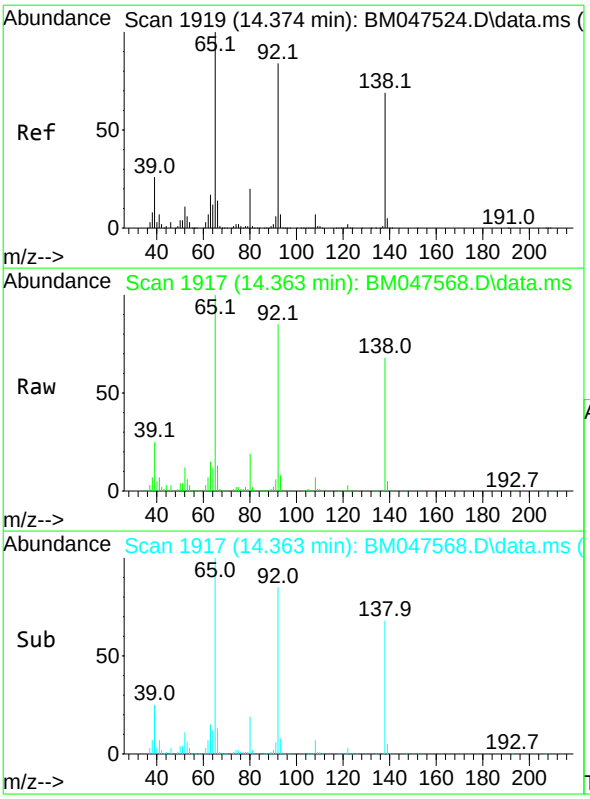


#52
Acenaphthene
Concen: 50.990 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

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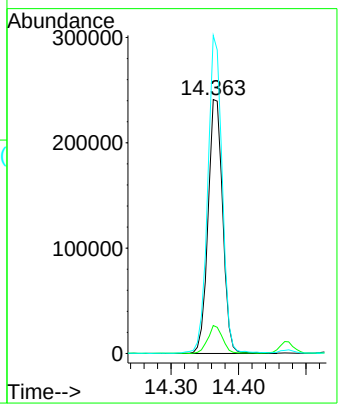
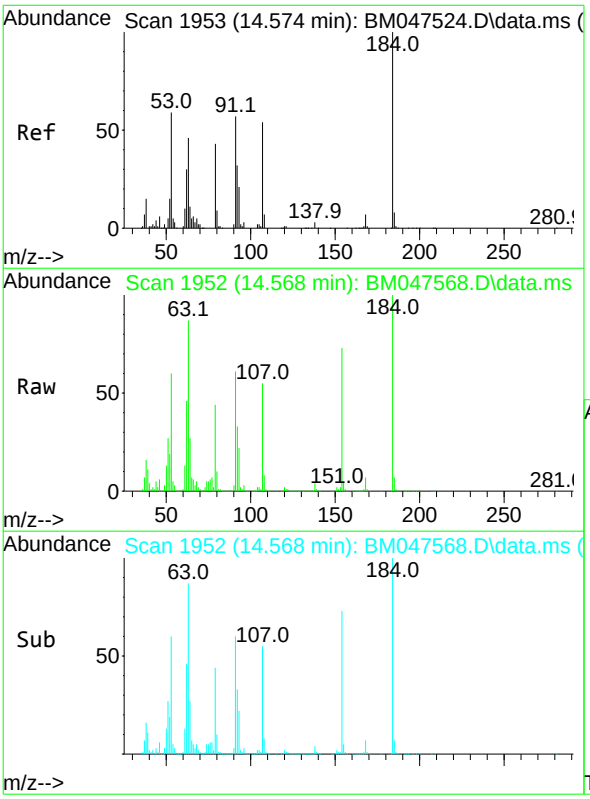
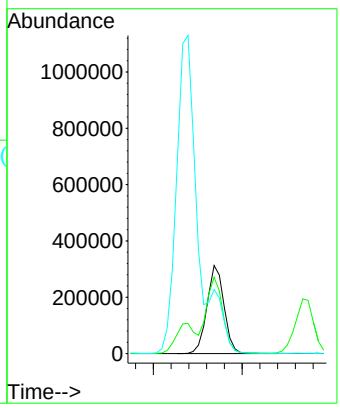


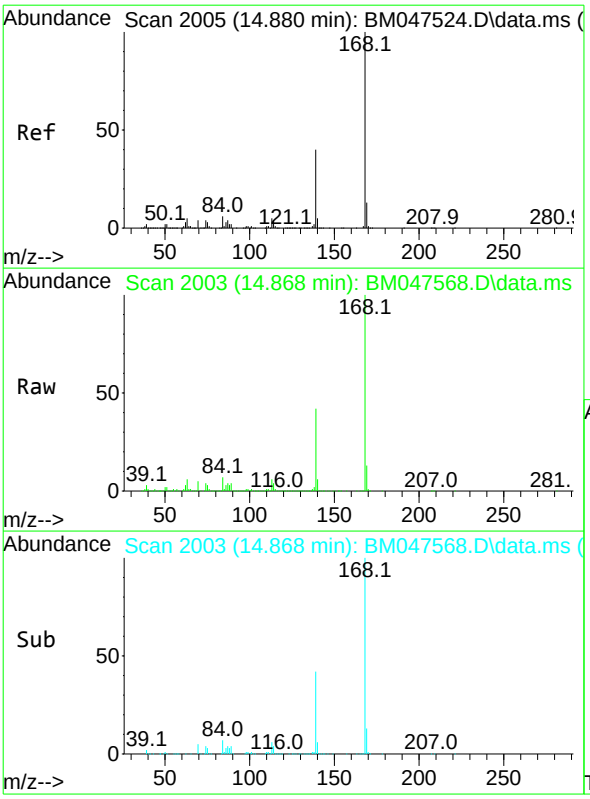


#54
2,4-Dinitrophenol
Concen: 82.737 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

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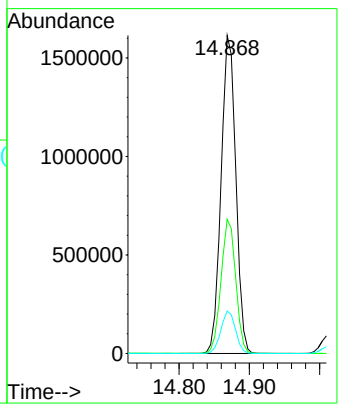
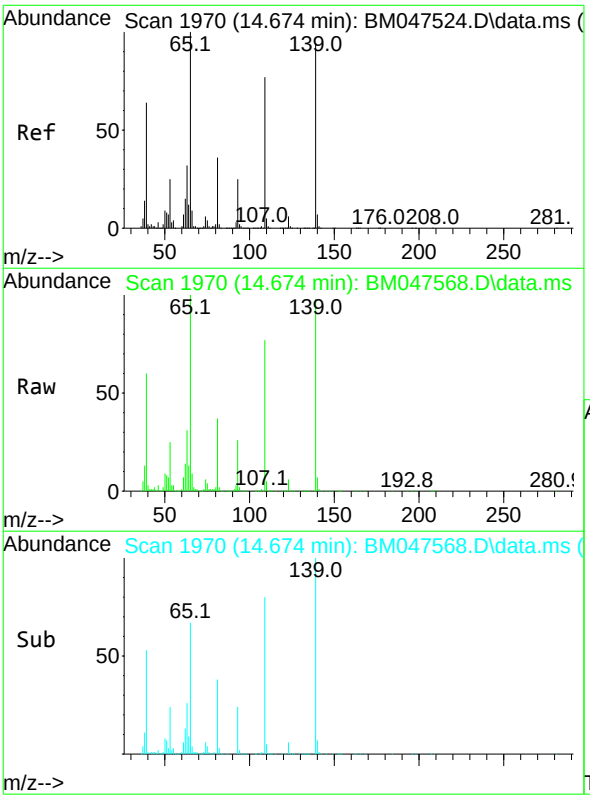
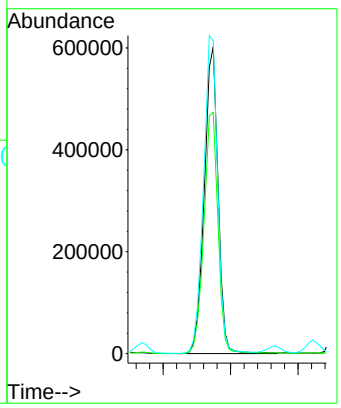


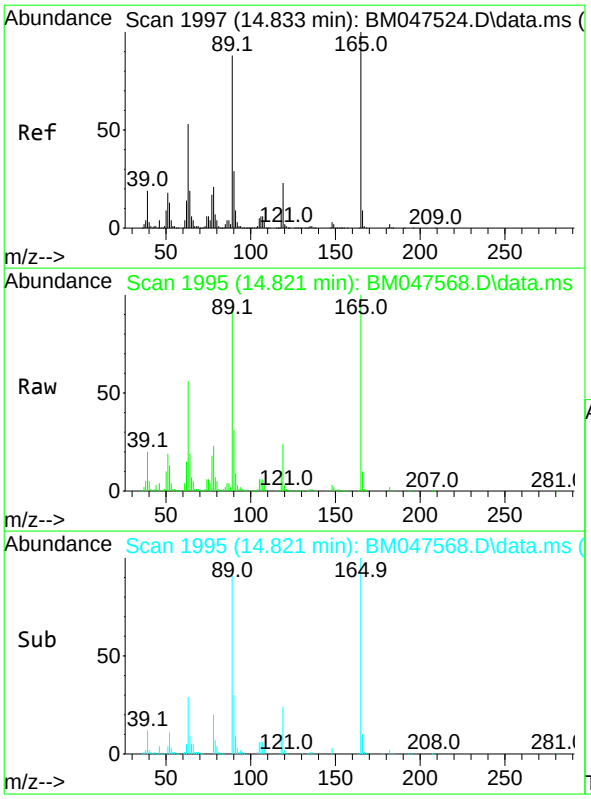


#56
4-Nitrophenol
Concen: 105.644 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

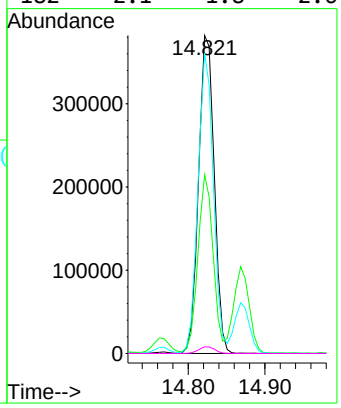




#57
2,4-Dinitrotoluene
Concen: 45.889 ng
RT: 14.821 min Scan# 19
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
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ClientSampleId :
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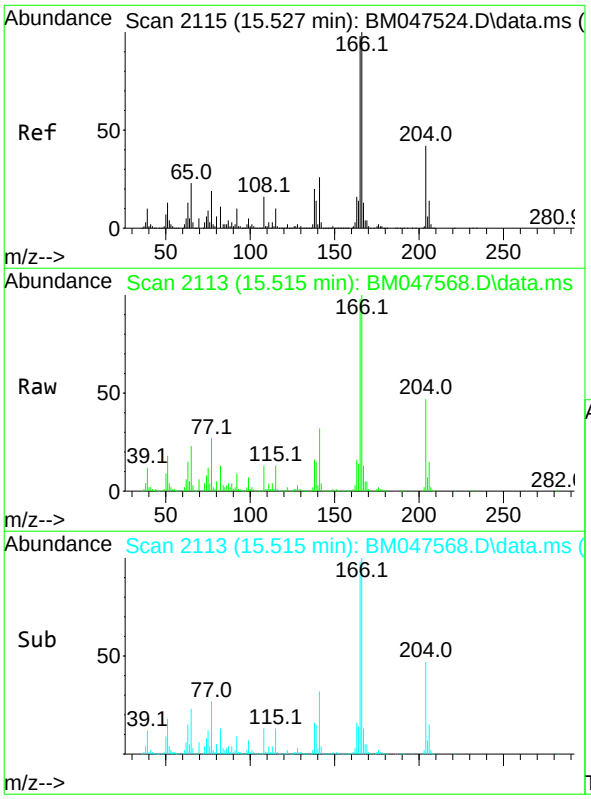
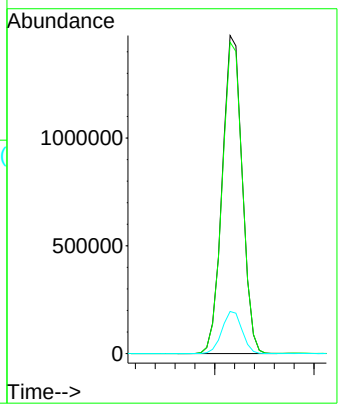
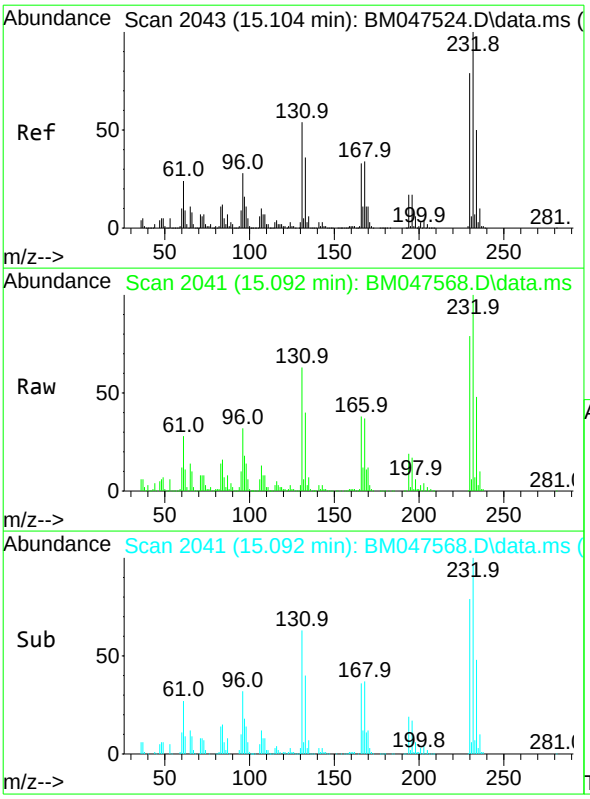


#58
Fluorene
Concen: 43.429 ng
RT: 15.515 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

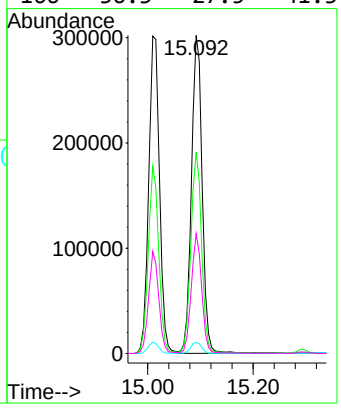




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.385 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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 :
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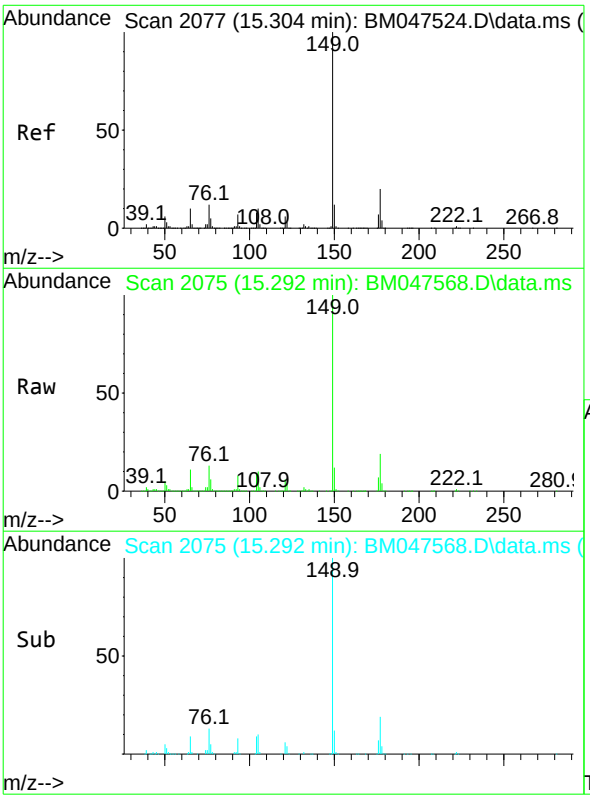
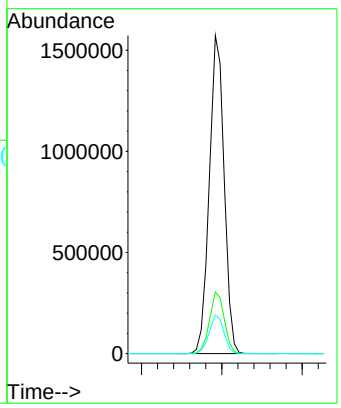
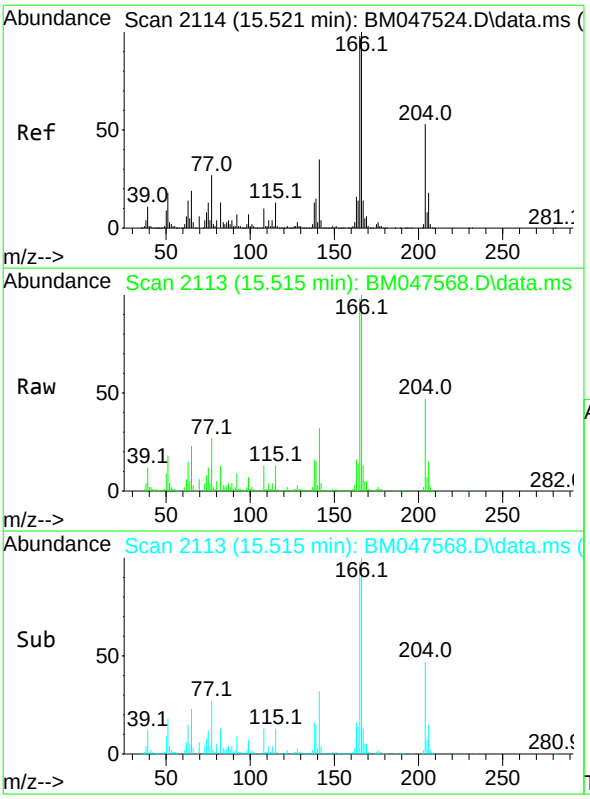


#60
Diethylphthalate
Concen: 45.216 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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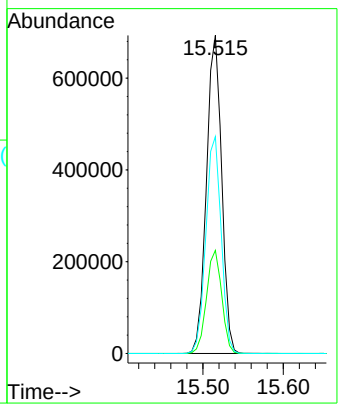
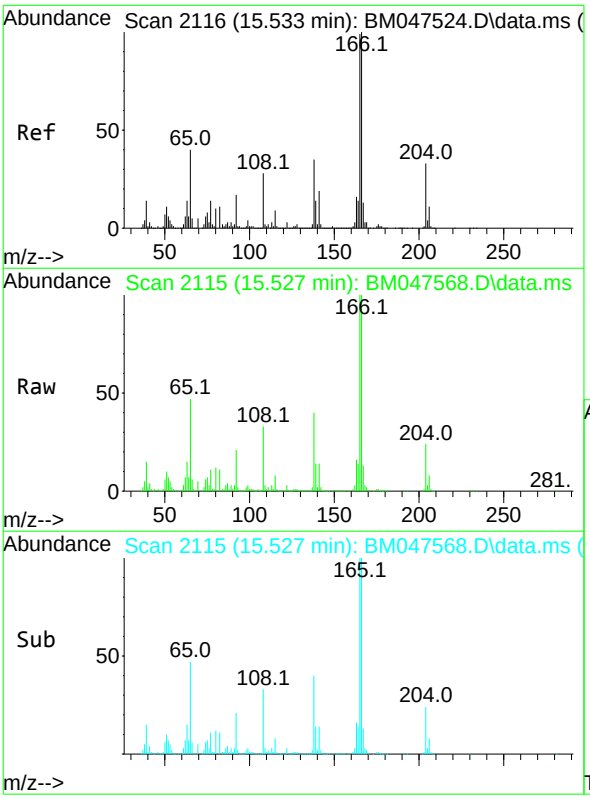
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

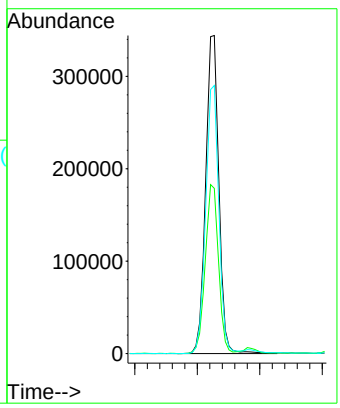


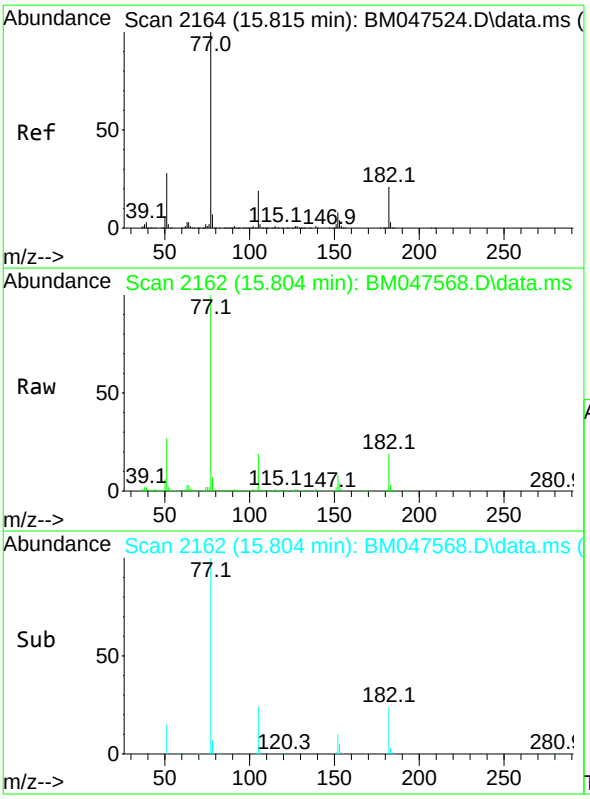


#62
4-Nitroaniline
Concen: 43.698 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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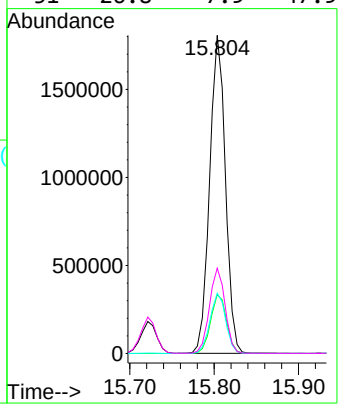
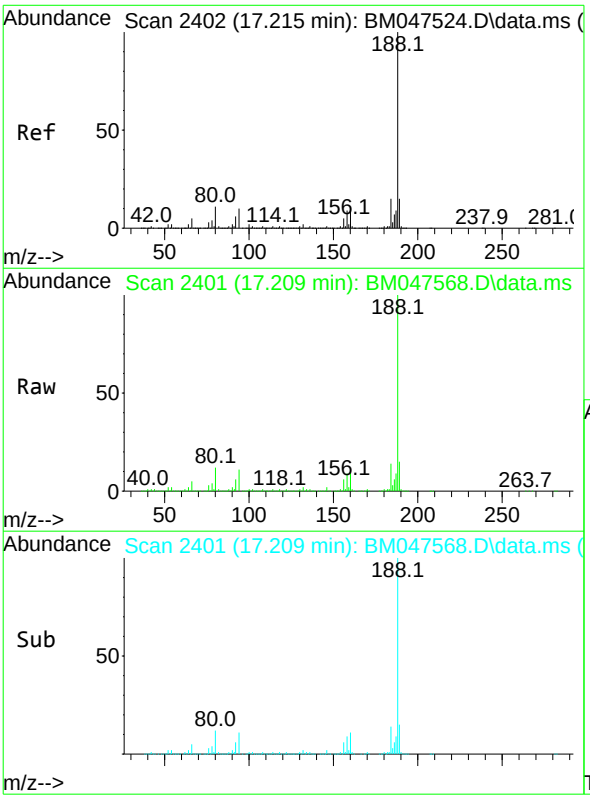
Supervised By :mohammad ahmed 09/22/2024

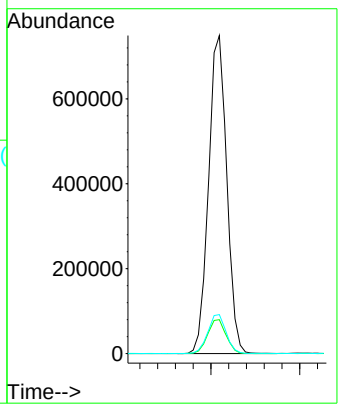


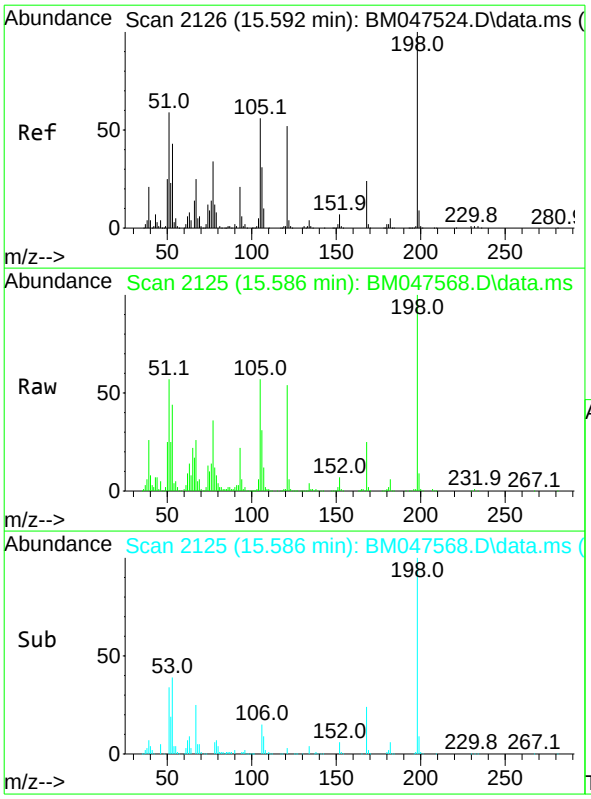


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Manual Integrations
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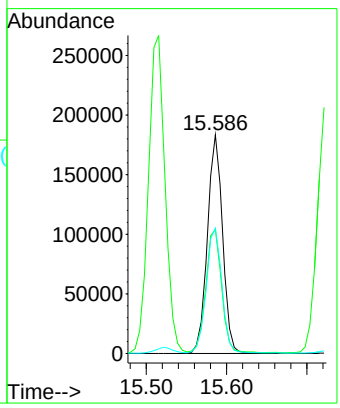
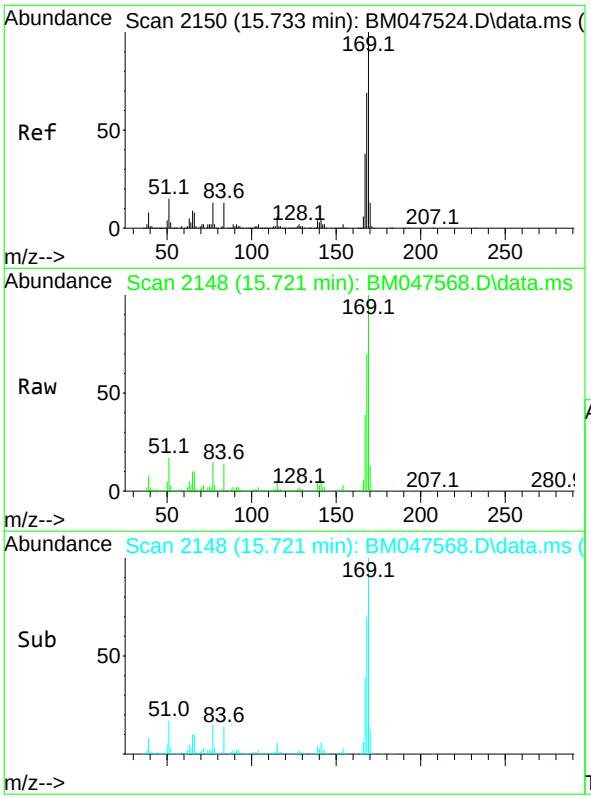
Supervised By :mohammad ahmed 09/22/2024

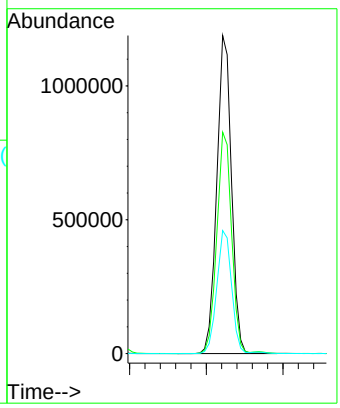


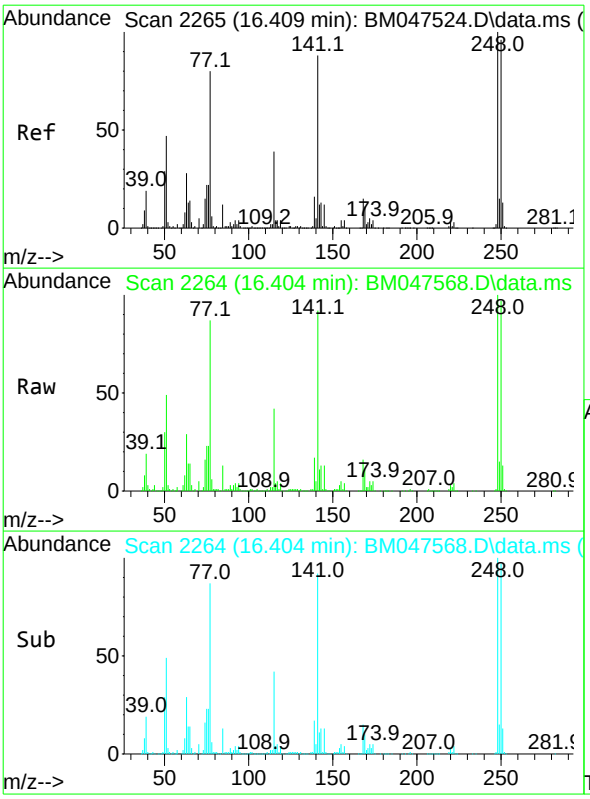


#66
n-Nitrosodiphenylamine
Concen: 48.315 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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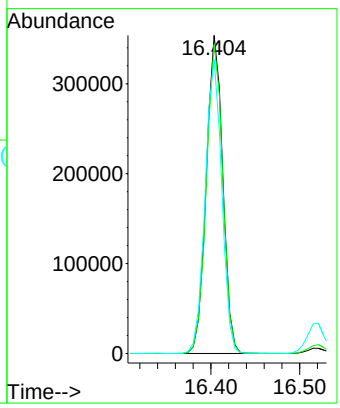
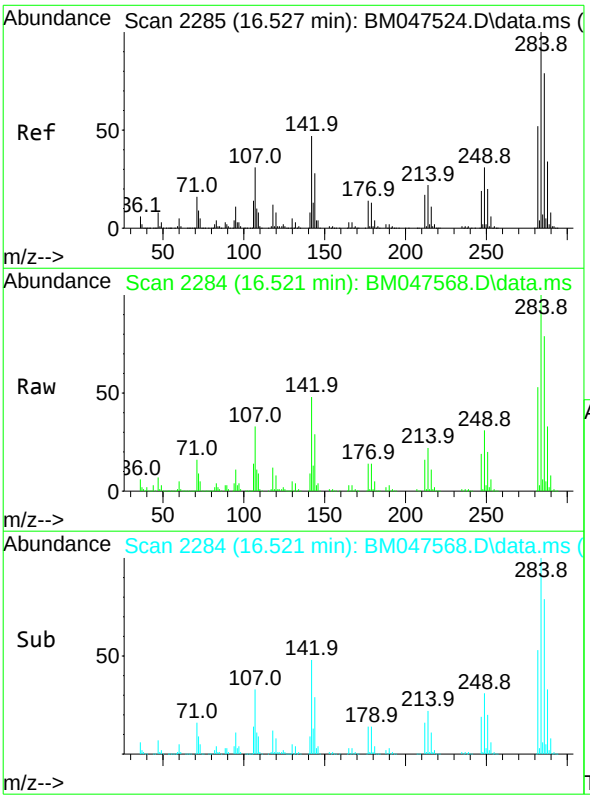
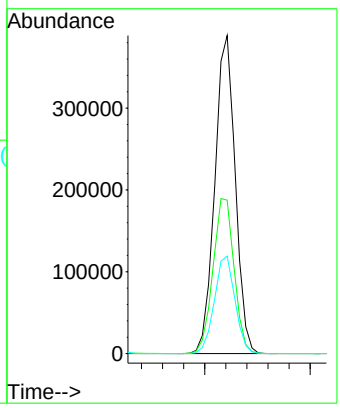


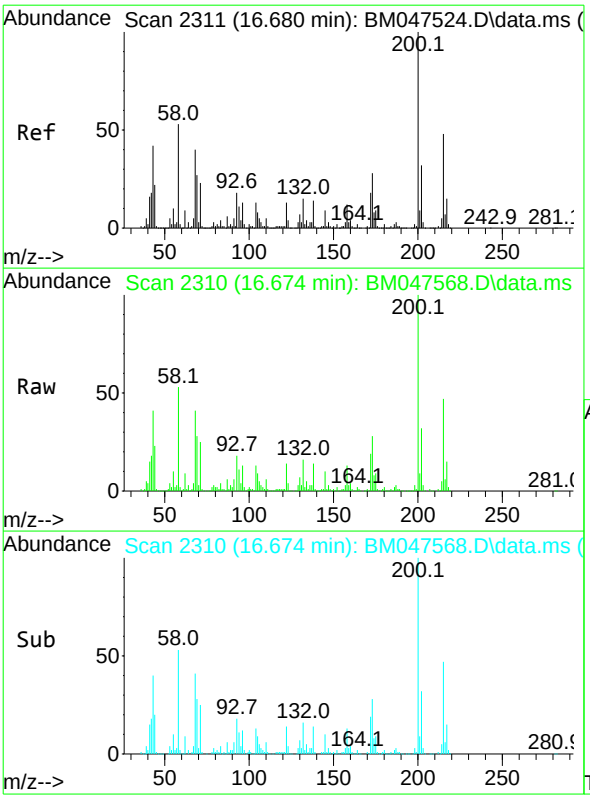


#68
Hexachlorobenzene
Concen: 44.635 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Manual Integrations
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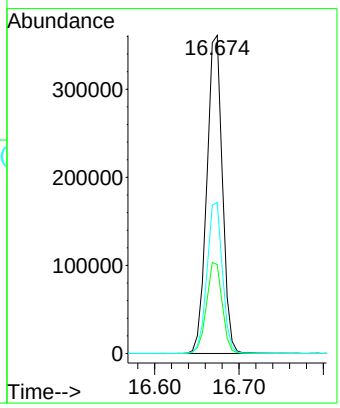
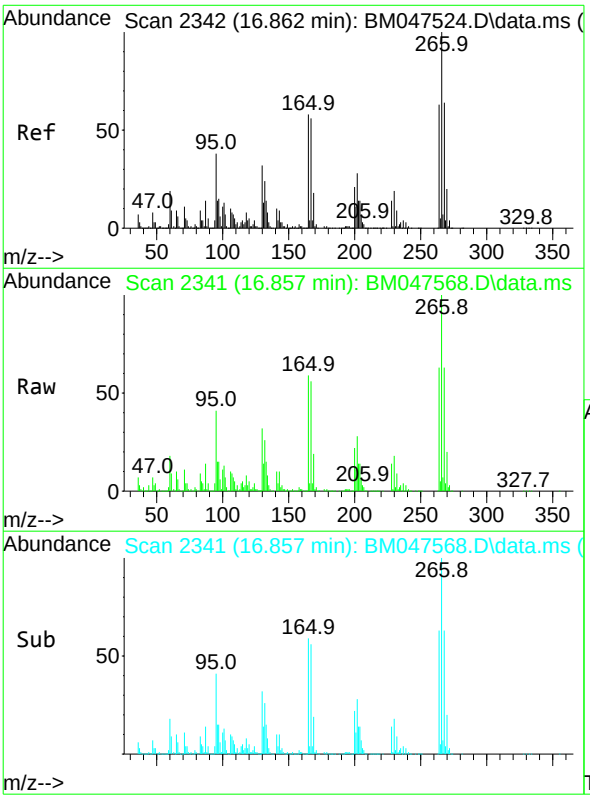
Supervised By :mohammad ahmed 09/22/2024

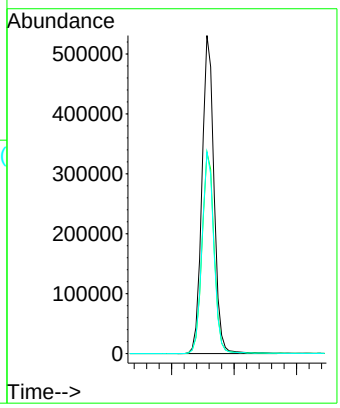


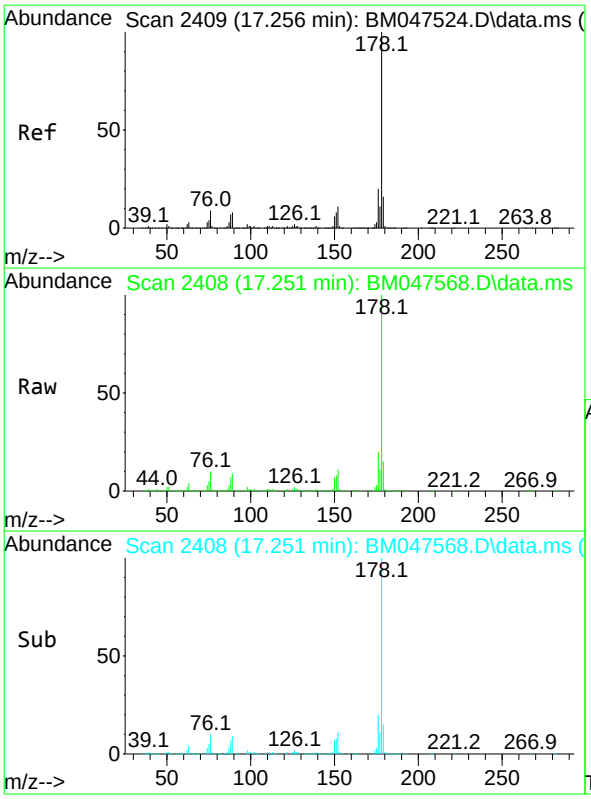


#70
Pentachlorophenol
Concen: 104.346 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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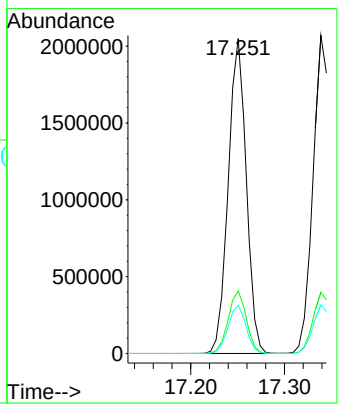
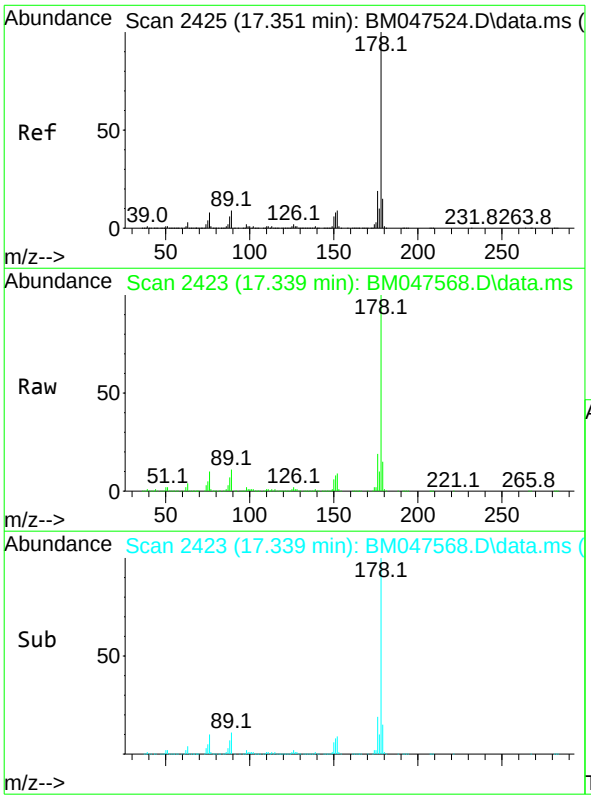
Supervised By :mohammad ahmed 09/22/2024

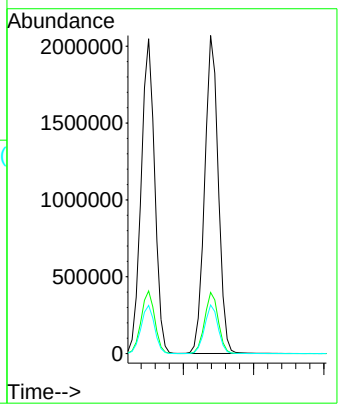


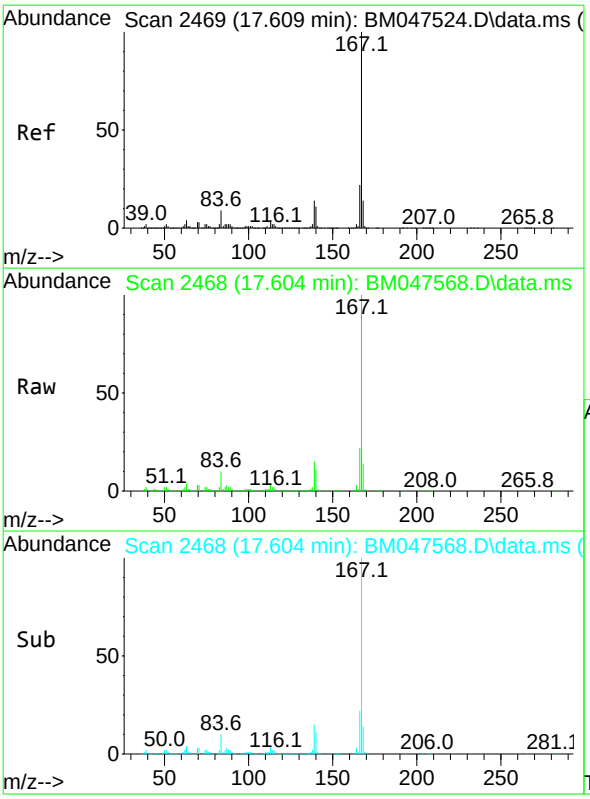


#72
Anthracene
Concen: 49.217 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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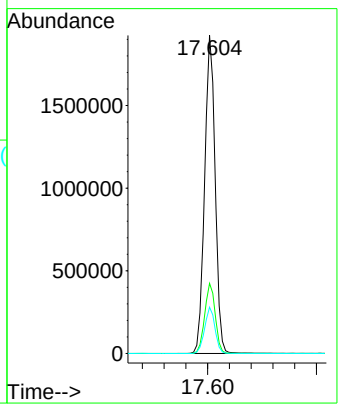
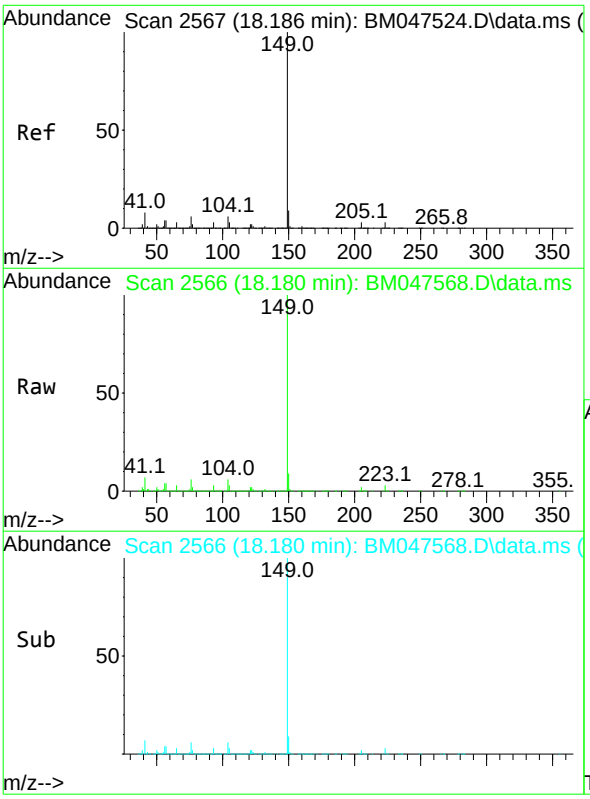
Supervised By :mohammad ahmed 09/22/2024

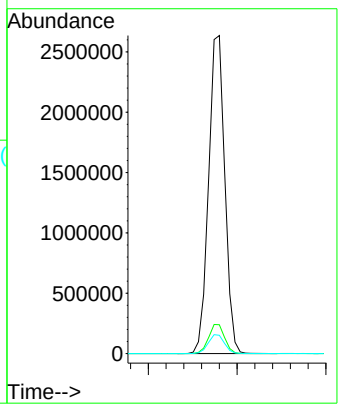


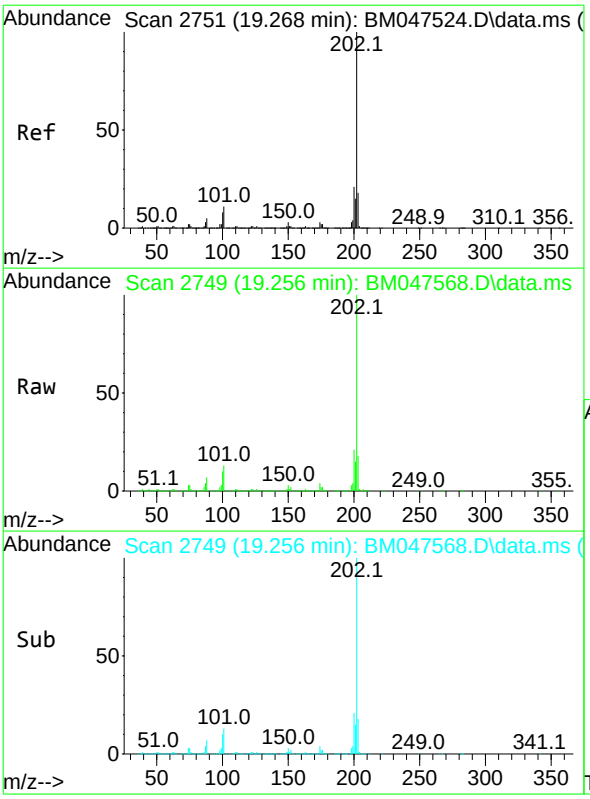


#74
Di-n-butylphthalate
Concen: 49.983 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

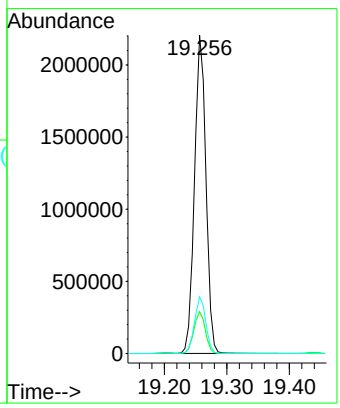




#75
Fluoranthene
Concen: 43.686 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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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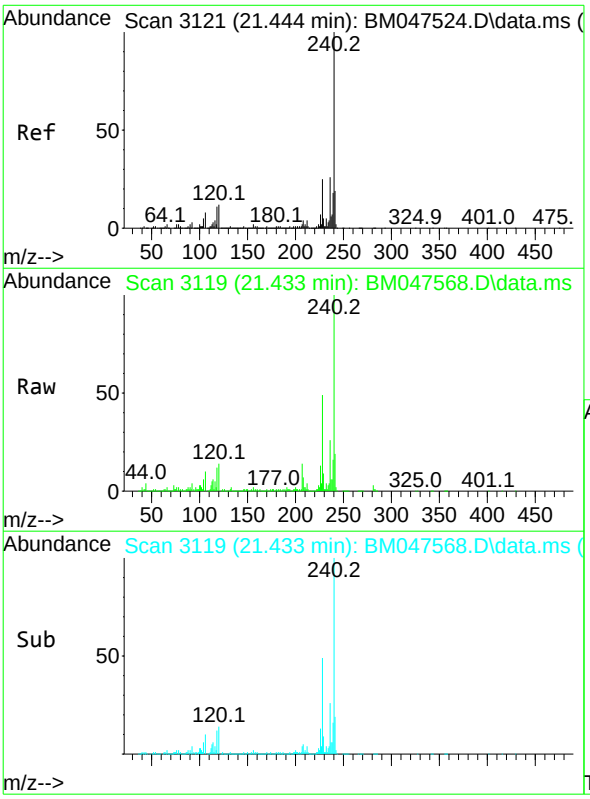
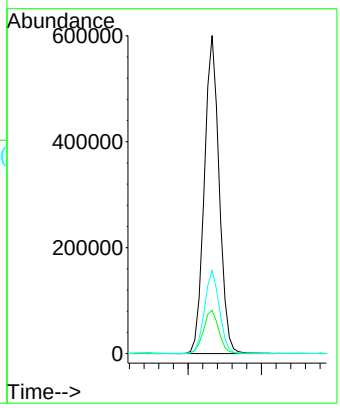
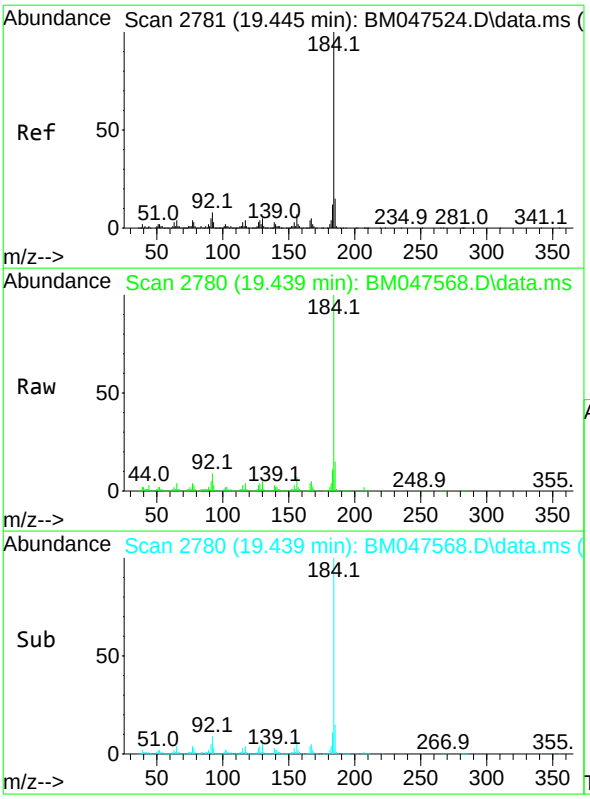


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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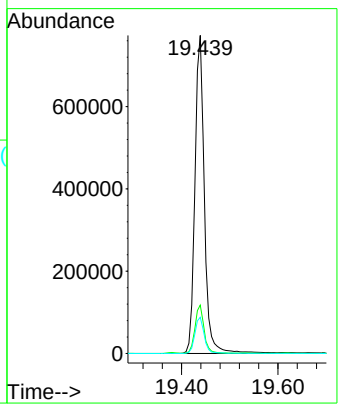
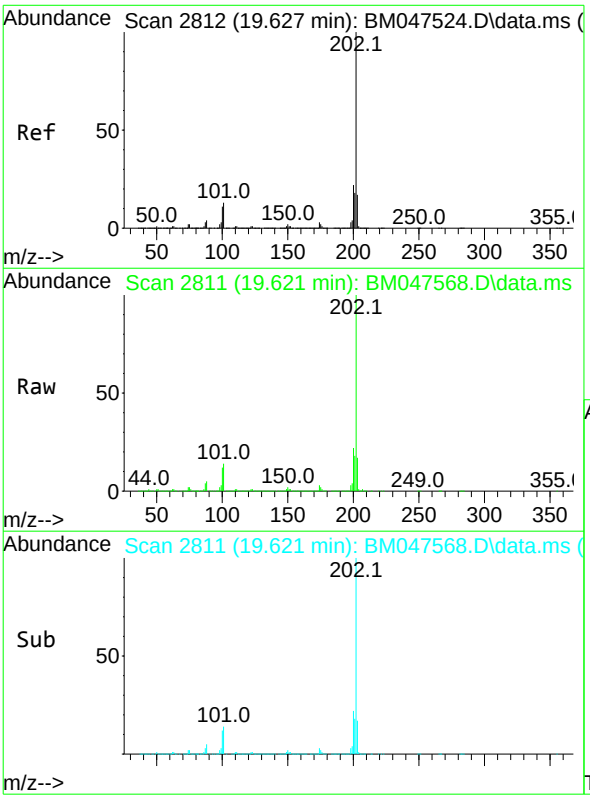
Supervised By :mohammad ahmed 09/22/2024

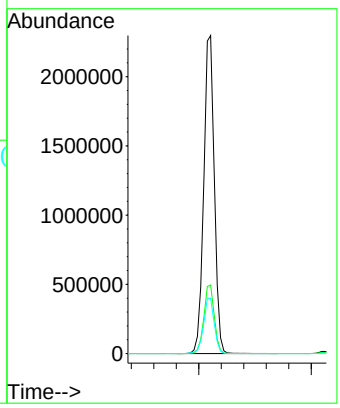


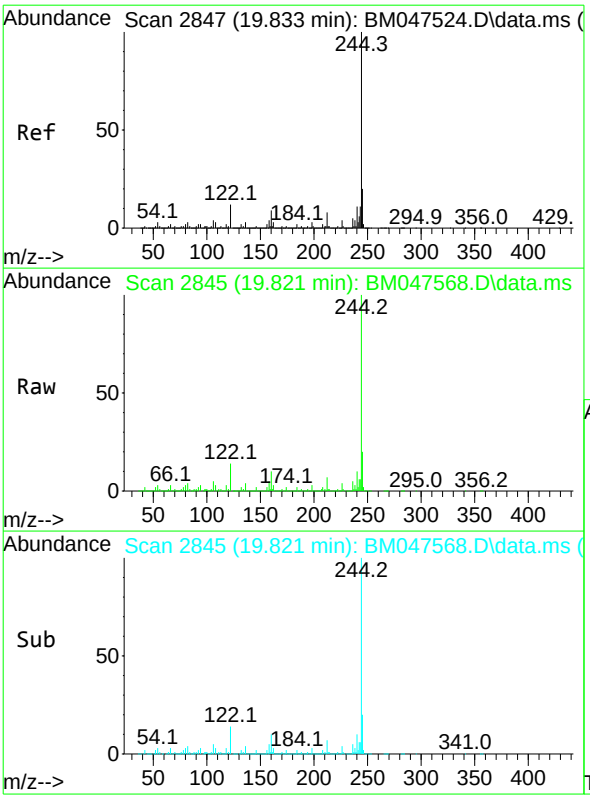


#78
Pyrene
Concen: 48.761 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

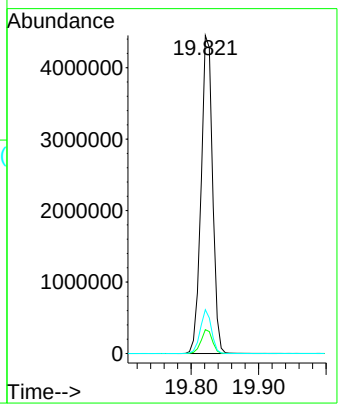




#79
Terphenyl-d14
Concen: 111.348 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:244 Resp: 5250065

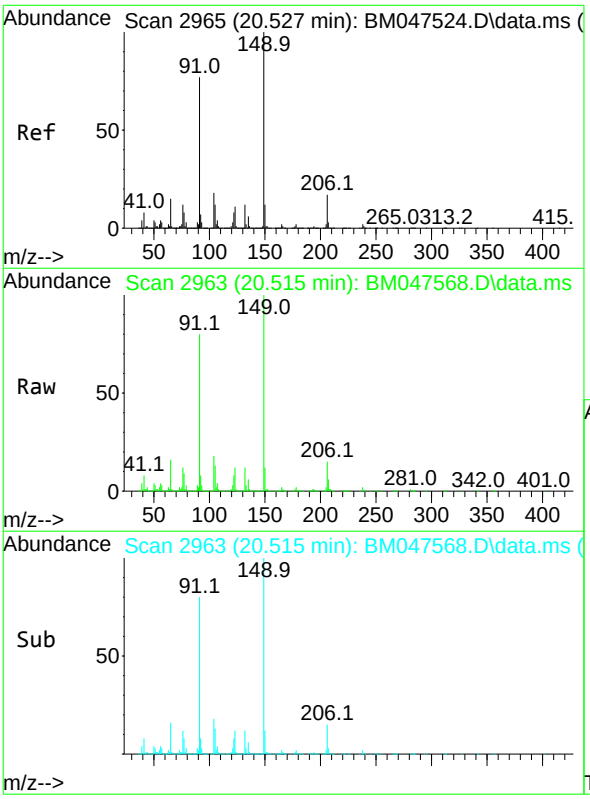
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.8	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
APPROVED

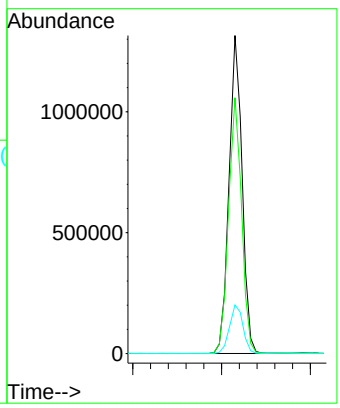
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

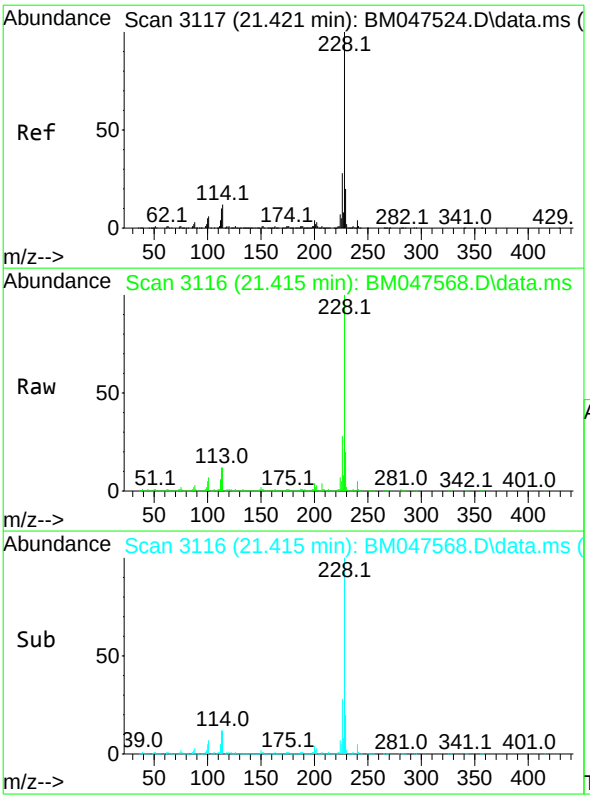


#80
Butylbenzylphthalate
Concen: 56.558 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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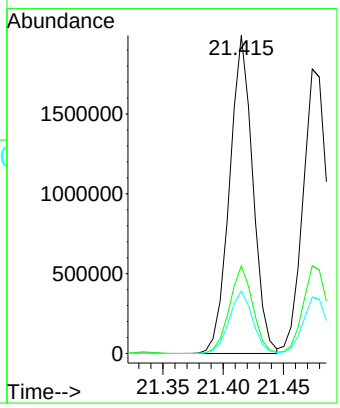
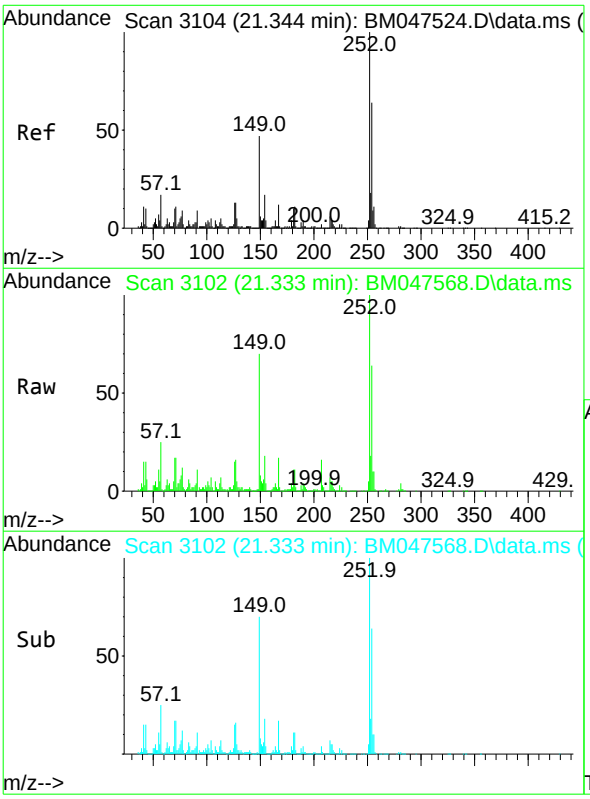
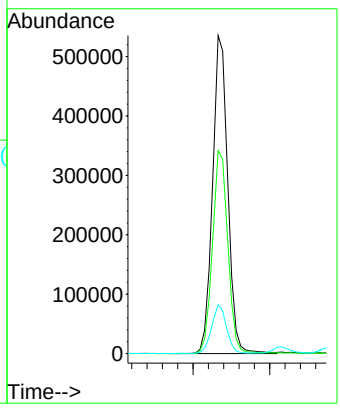


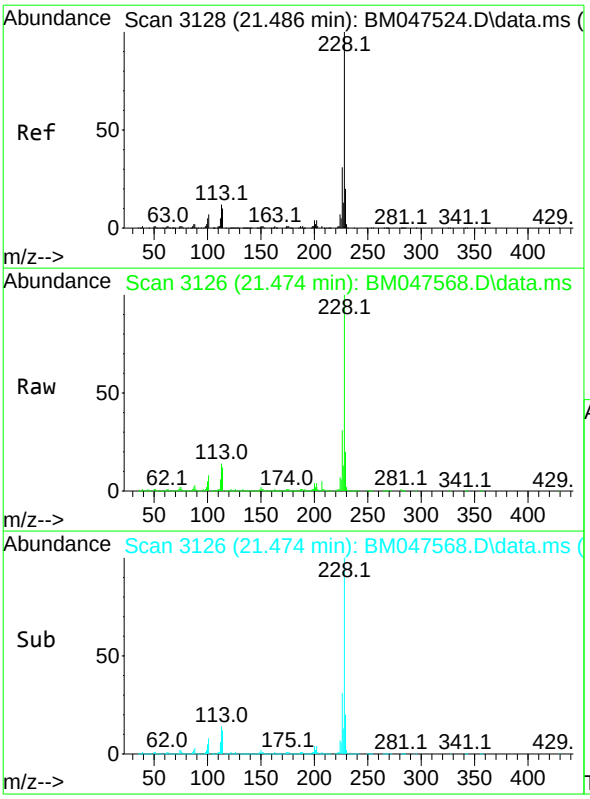


#82
3,3'-Dichlorobenzidine
Concen: 50.365 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
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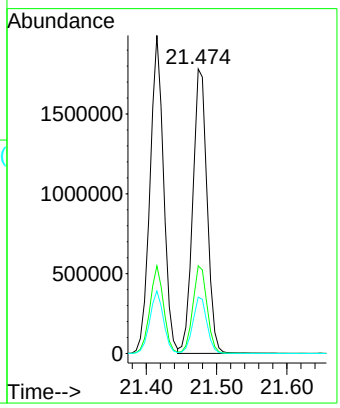
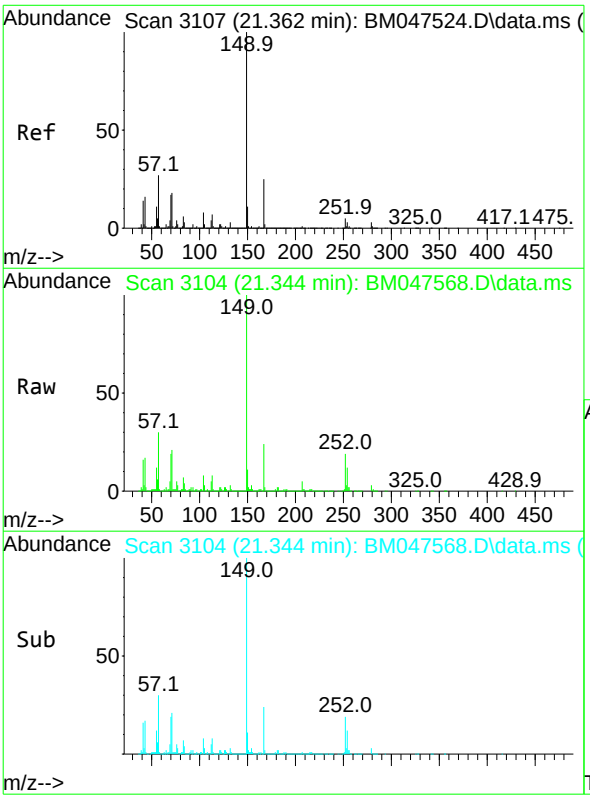
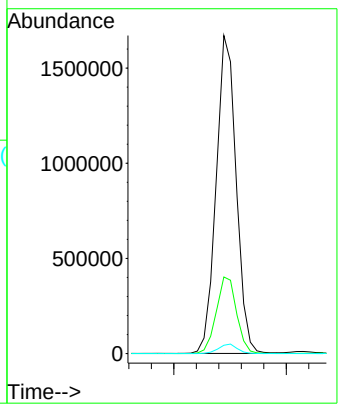


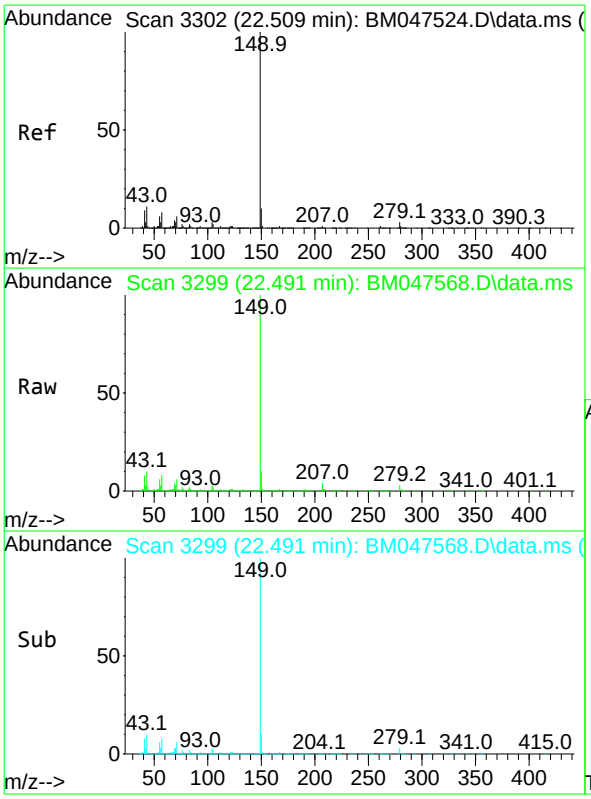


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.572 ng
RT: 21.344 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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#

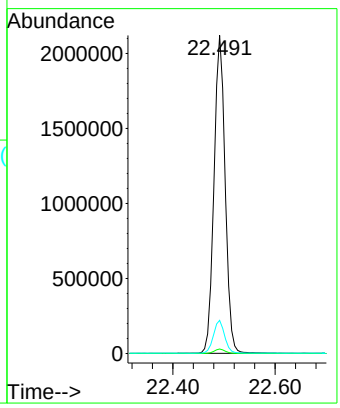




#85
Di-n-octyl phthalate
Concen: 61.068 ng
RT: 22.491 min Scan# 32
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Manual Integrations
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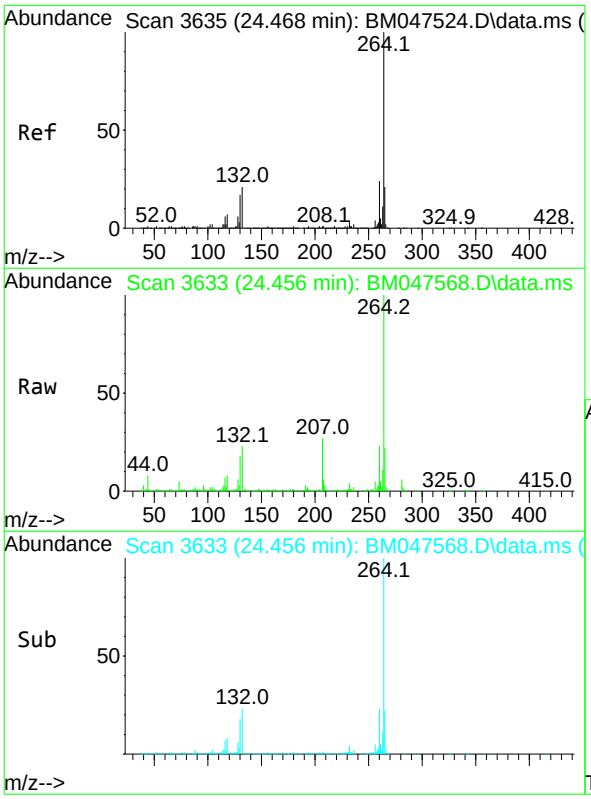
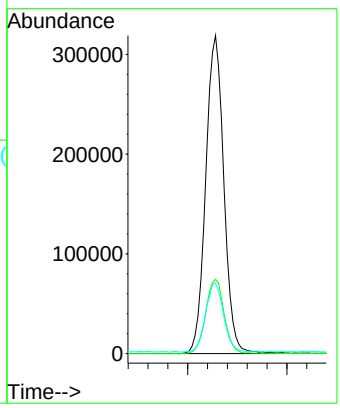
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

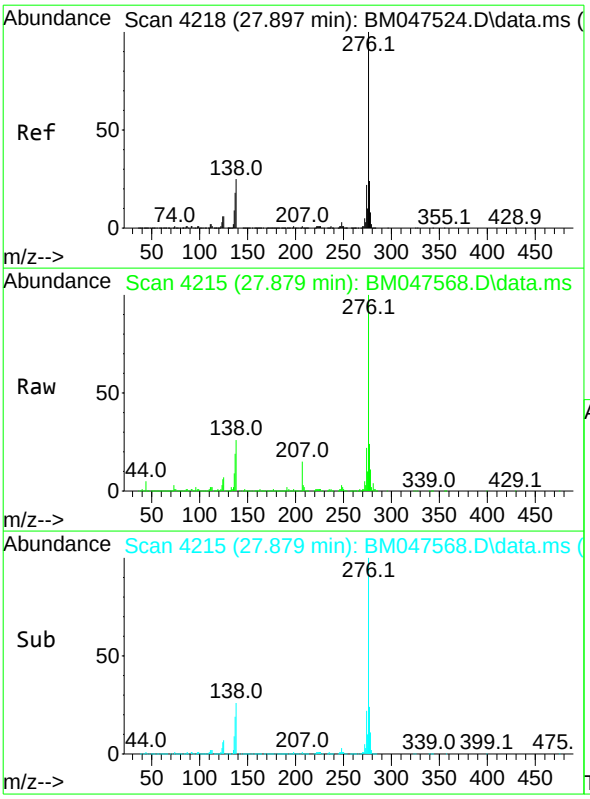


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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
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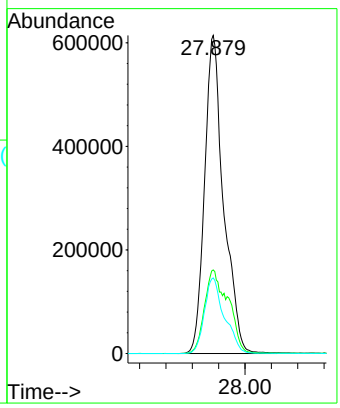
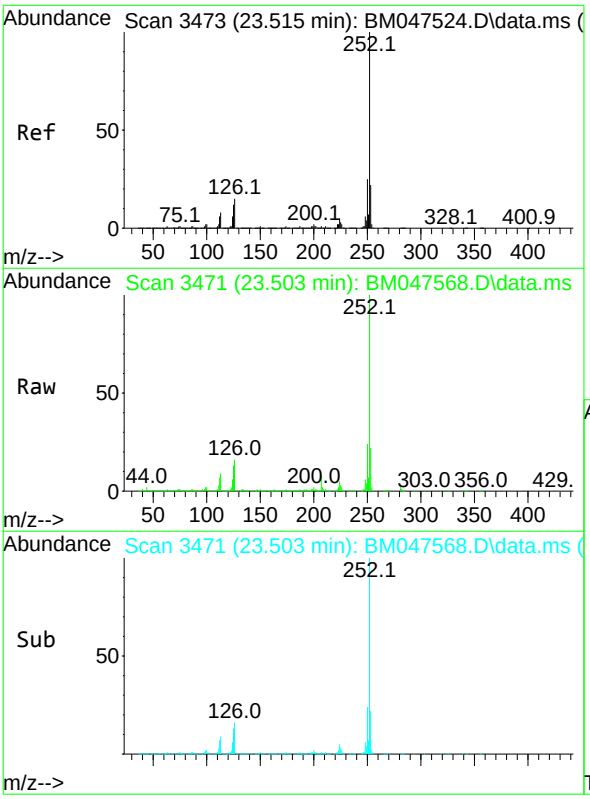
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

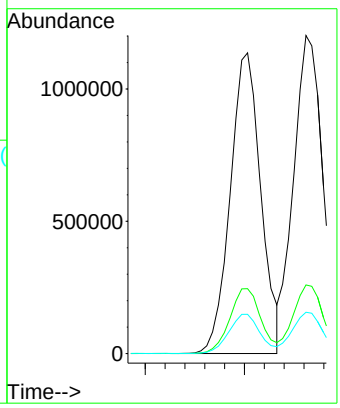


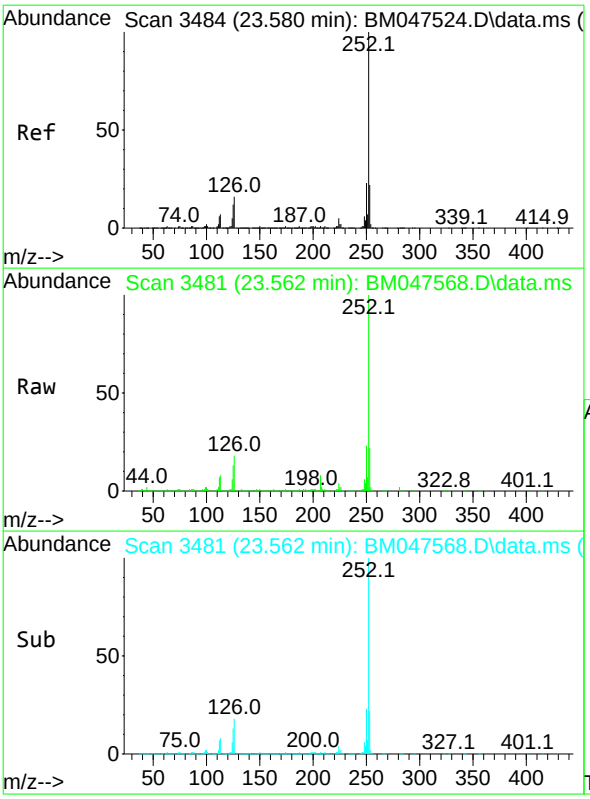


#88
Benzo(b)fluoranthene
Concen: 46.560 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Tgt Ion:252 Resp: 2478620

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	13.0	9.5	14.3

Manual Integrations
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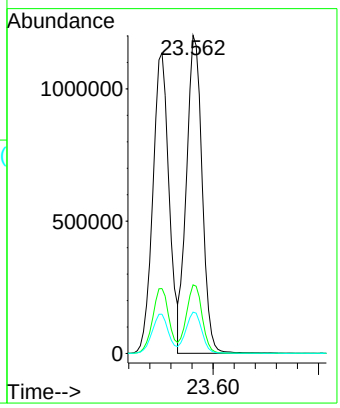
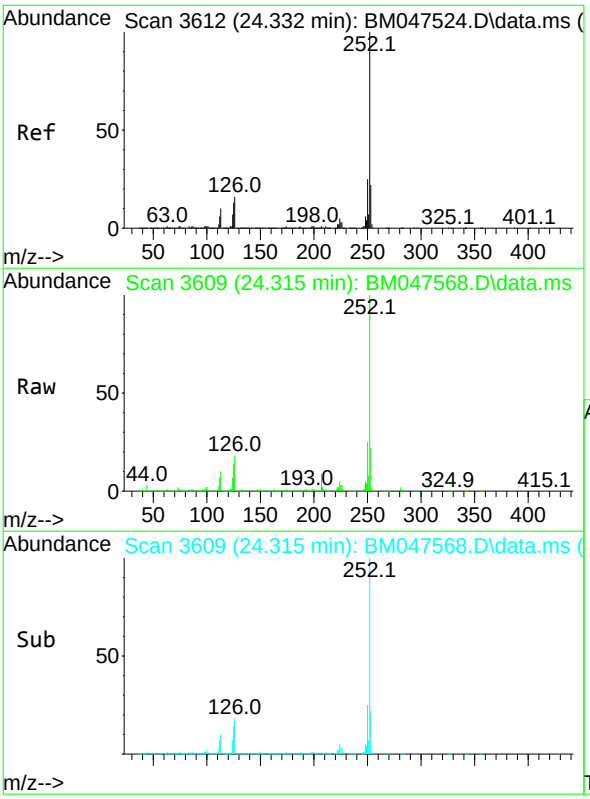
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

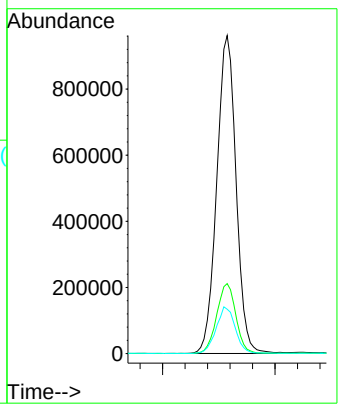


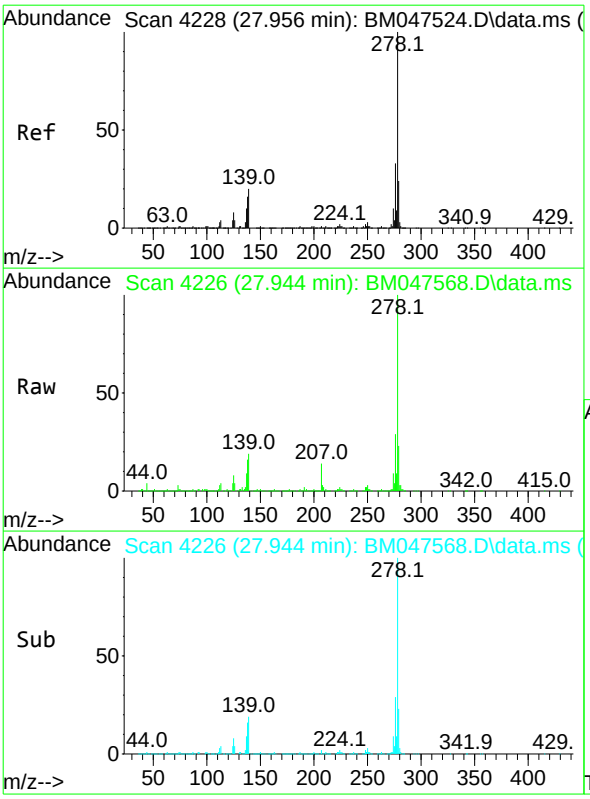


#90
Benzo(a)pyrene
Concen: 53.387 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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

Instrument :
BNA_M
ClientSampleId :
PB163318BS

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

Manual Integrations
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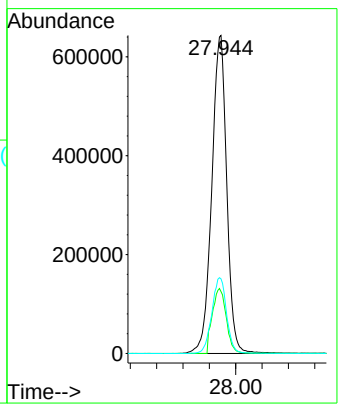
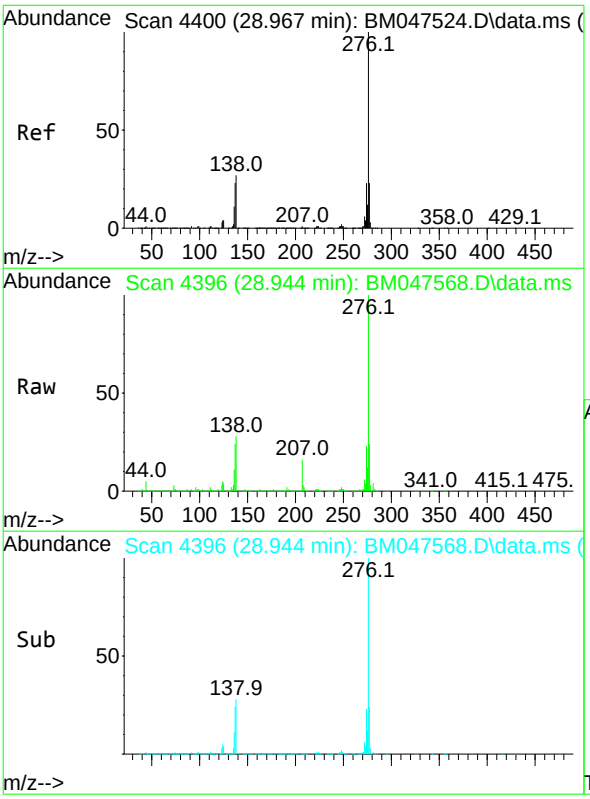
Supervised By :mohammad ahmed 09/22/2024

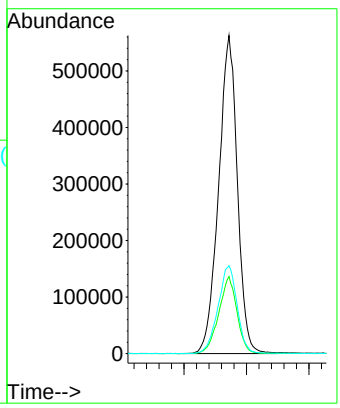




#92
Benzo(g,h,i)perylene
Concen: 58.978 ng
RT: 28.944 min Scan# 4396
Delta R.T. -0.023 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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



Raw Data: **BM047569.D**

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 Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047569.D	1	09/12/24 08:40	09/19/24 13:54	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1912-24-9	Atrazine	52.1		1.30	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	96.5		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.9		52 - 132	97%	SPK: 100
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

Sample Results: **BM047569.D**

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

Sample Results: **BM047569.D**

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

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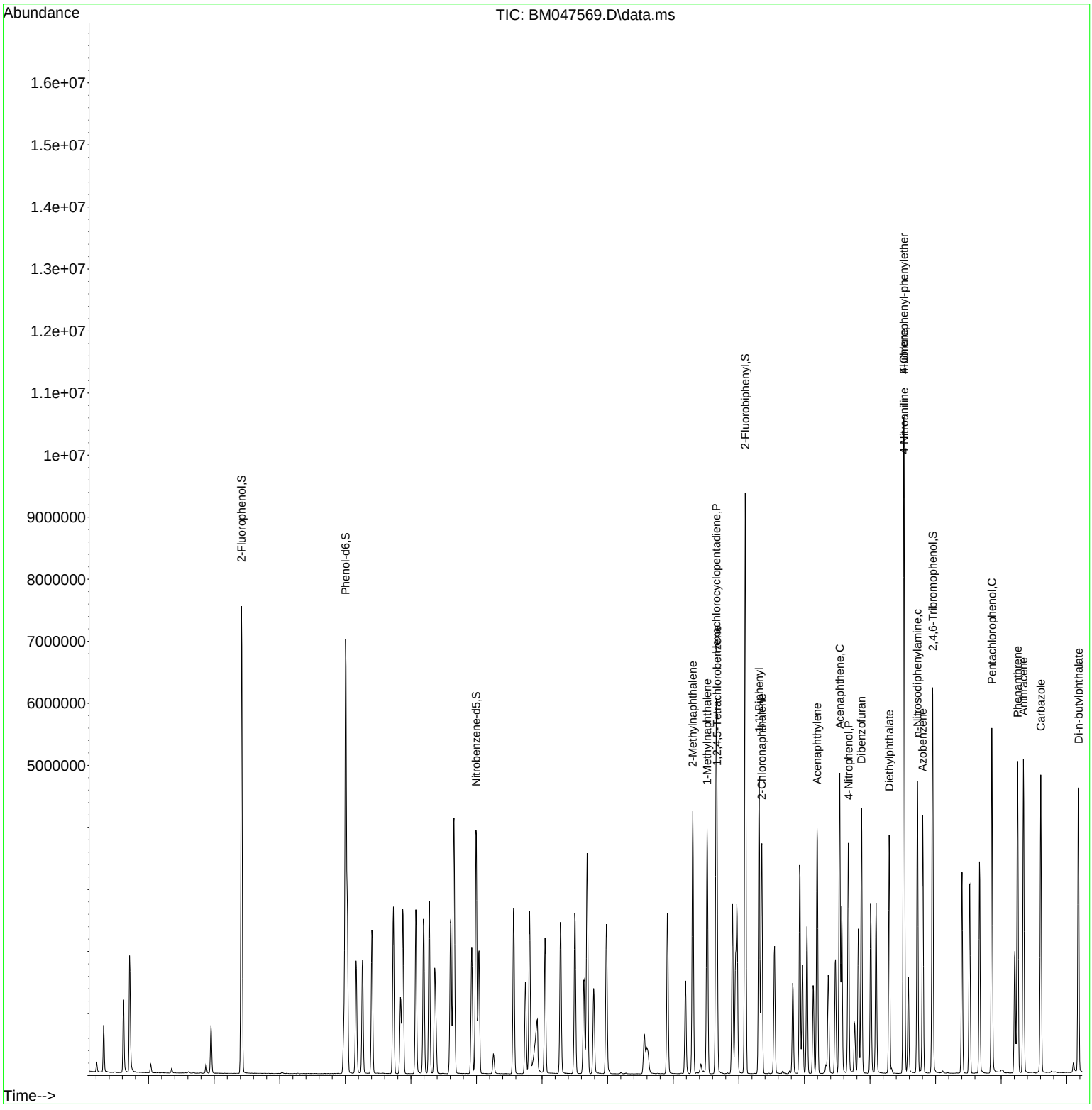

Sample Results: **BM047569.D**

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 :
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Quant Time: Sep 19 14:40:57 2024
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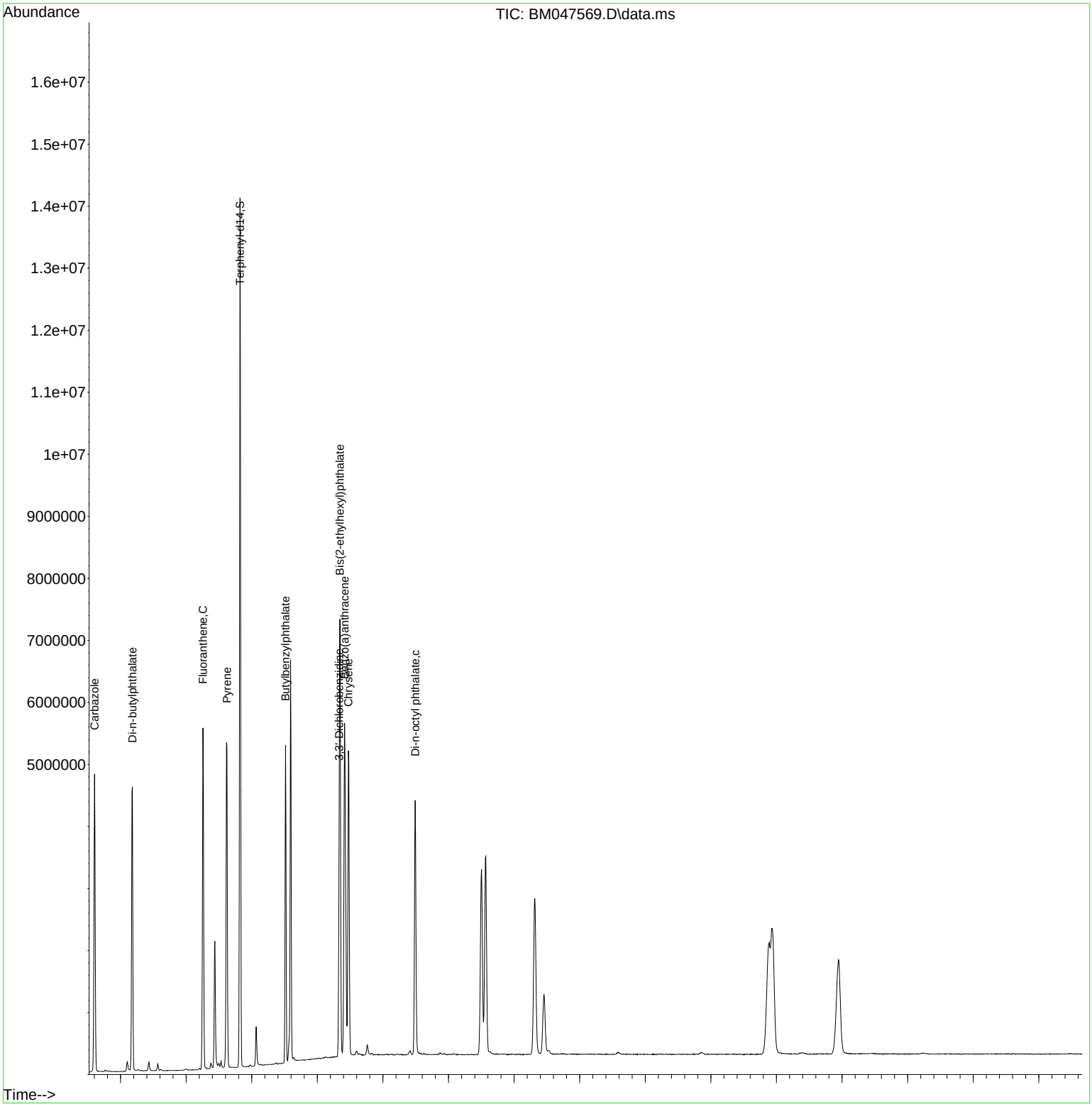
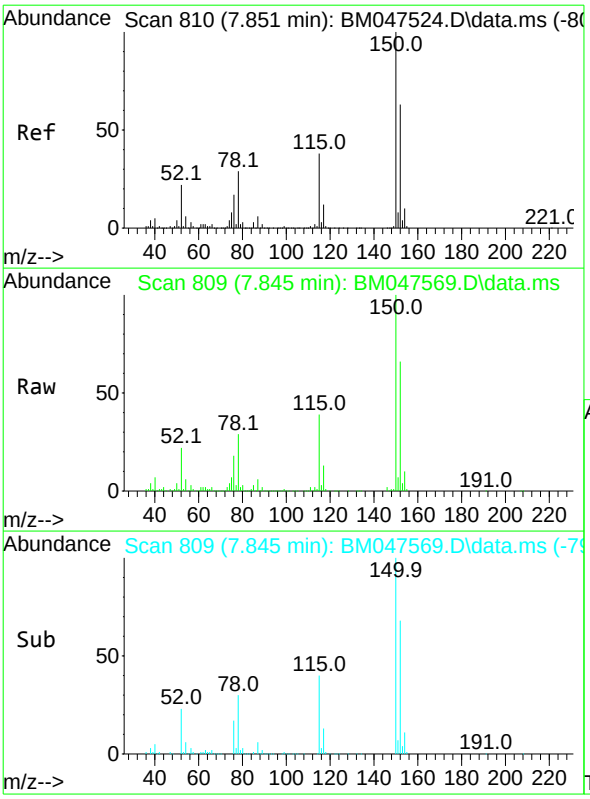
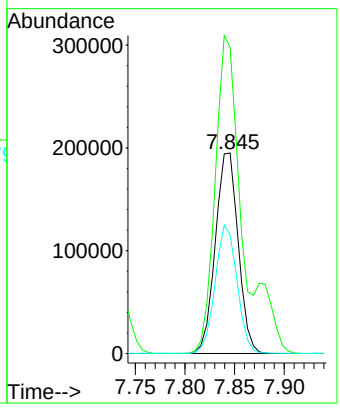




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Manual Integrations
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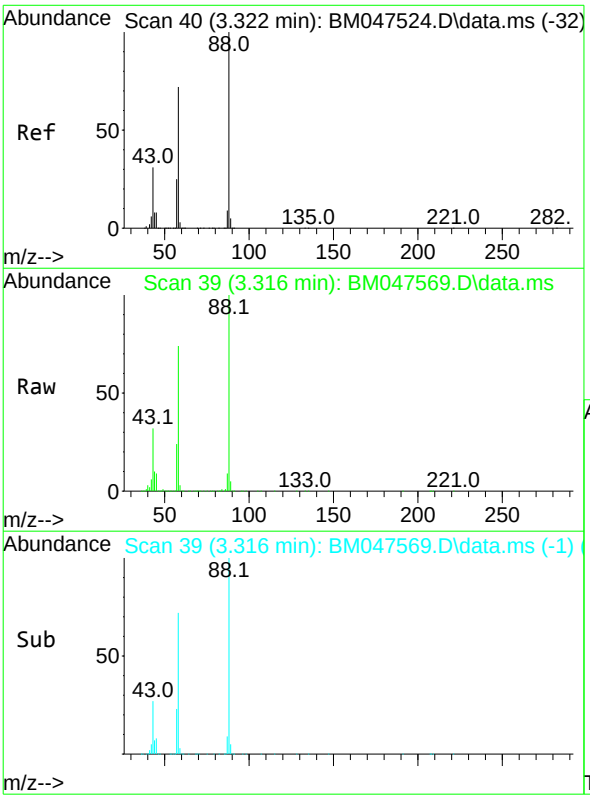
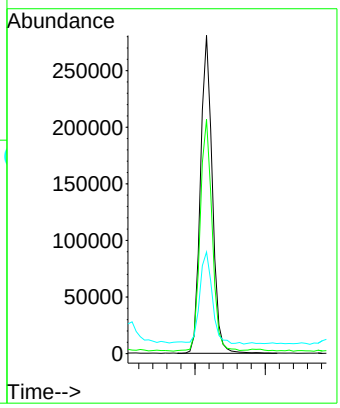
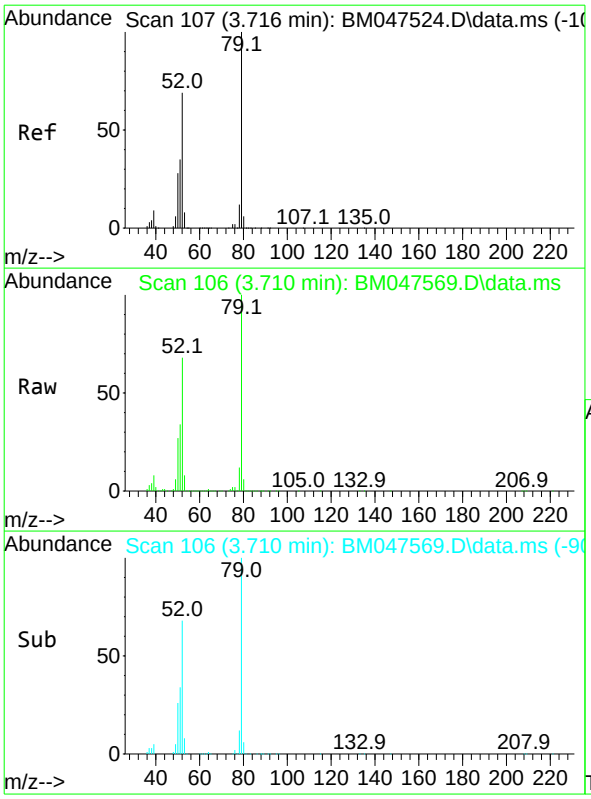


#2
1,4-Dioxane
Concen: 38.958 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

Manual Integrations
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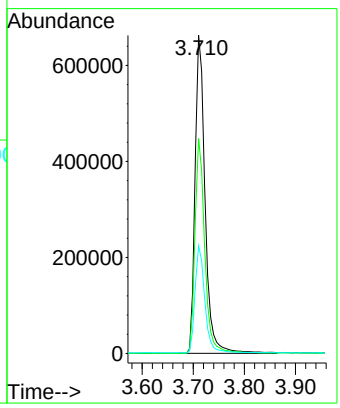
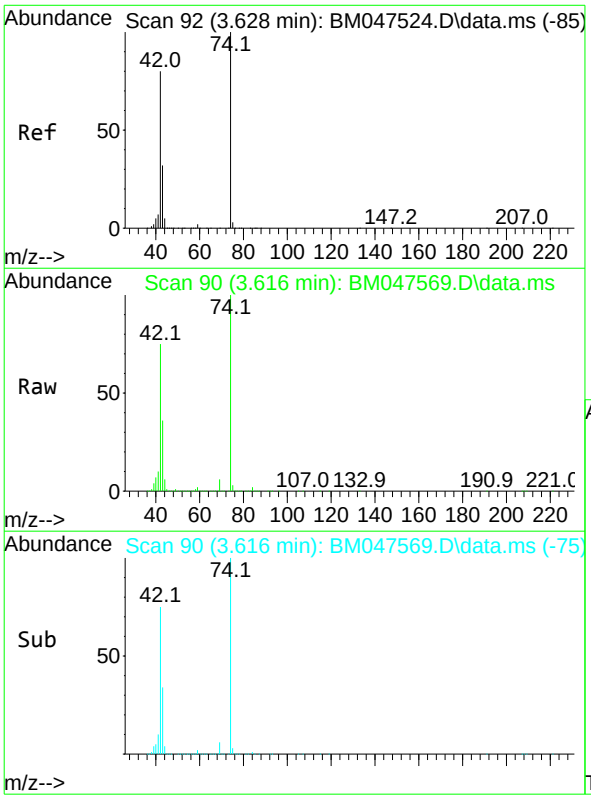
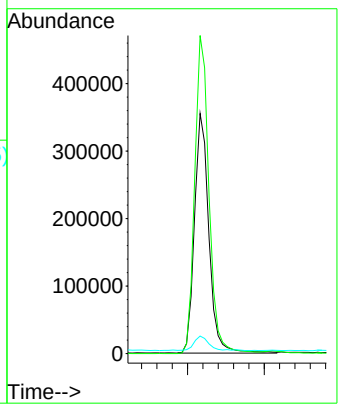


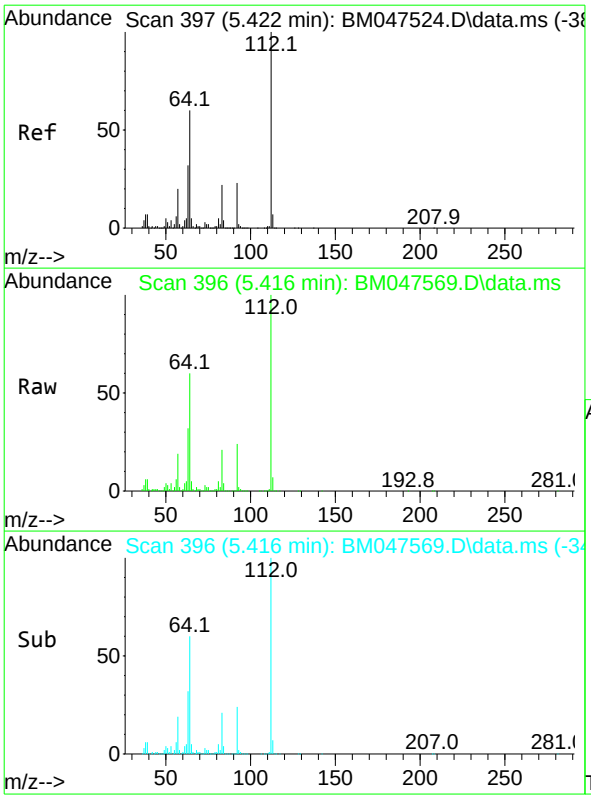


#4
n-Nitrosodimethylamine
Concen: 40.797 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations
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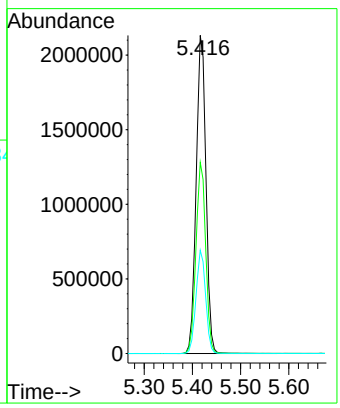
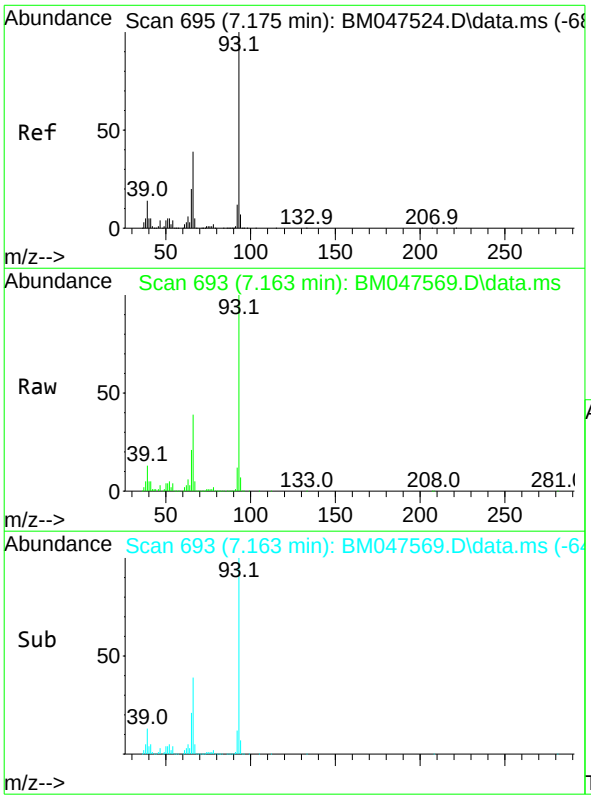
Supervised By :mohammad ahmed 09/22/2024

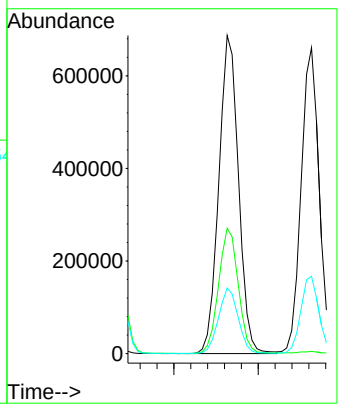


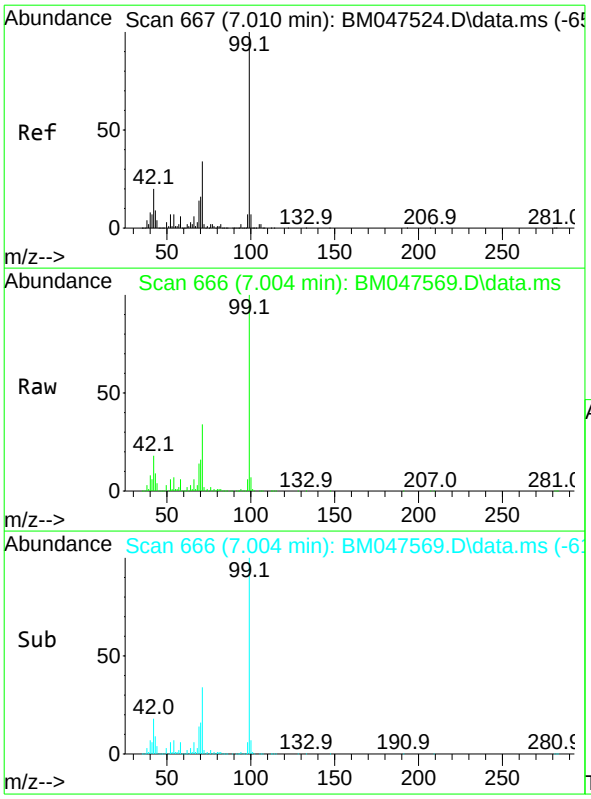


#6
Aniline
Concen: 45.457 ng
RT: 7.163 min Scan# 693
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

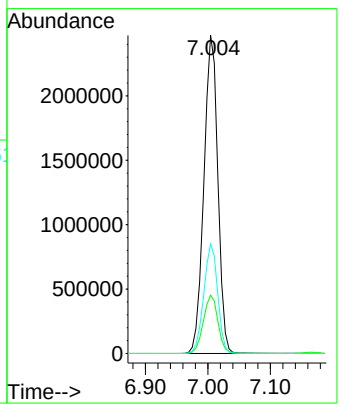




#7
Phenol-d6
Concen: 138.530 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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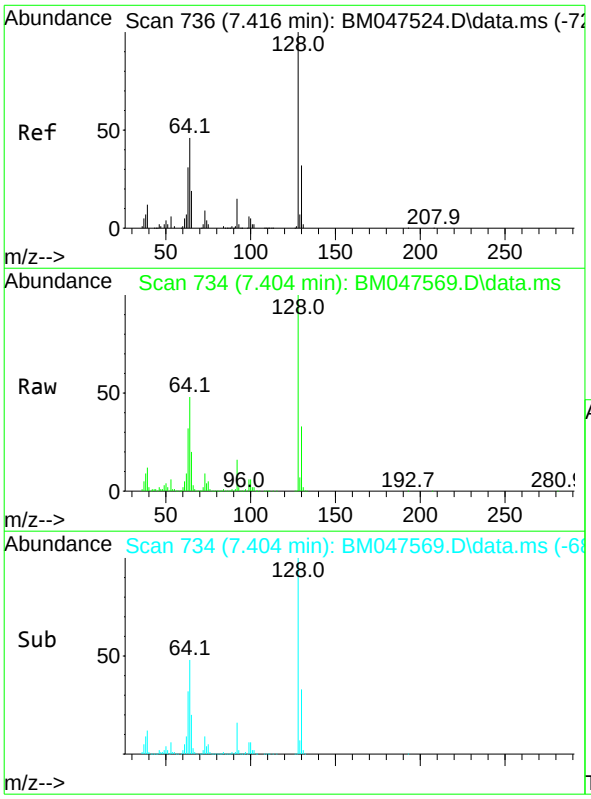
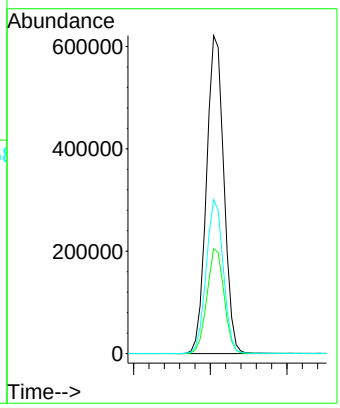
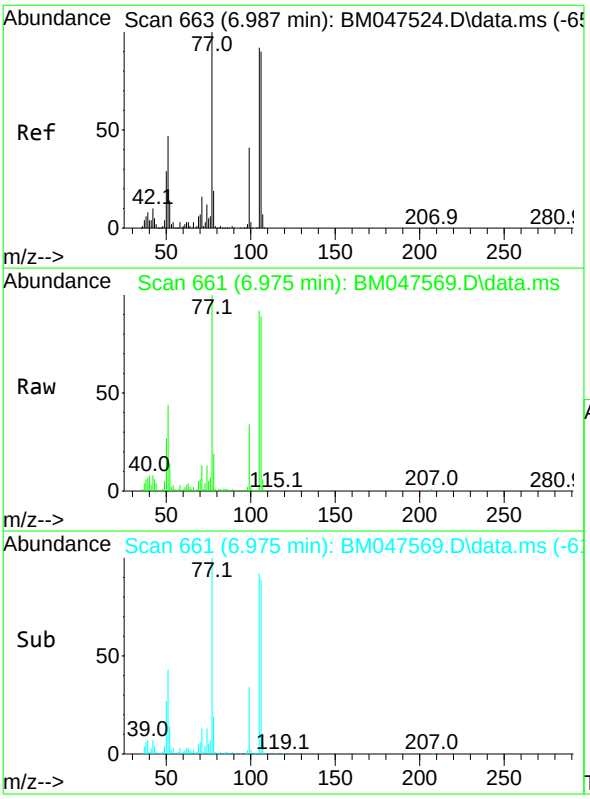


#8
2-Chlorophenol
Concen: 45.143 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

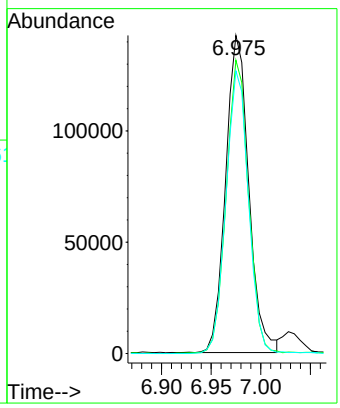




#9
Benzaldehyde
Concen: 17.585 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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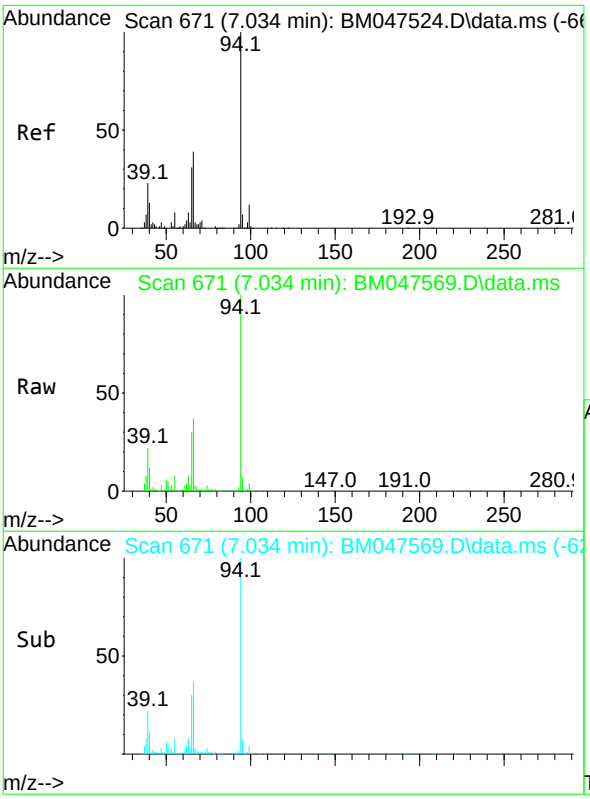
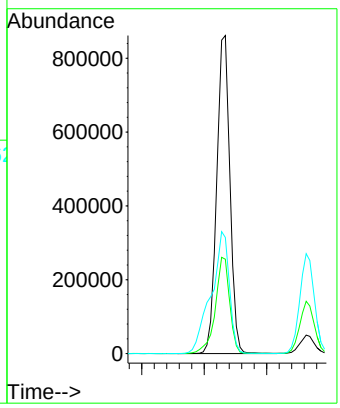
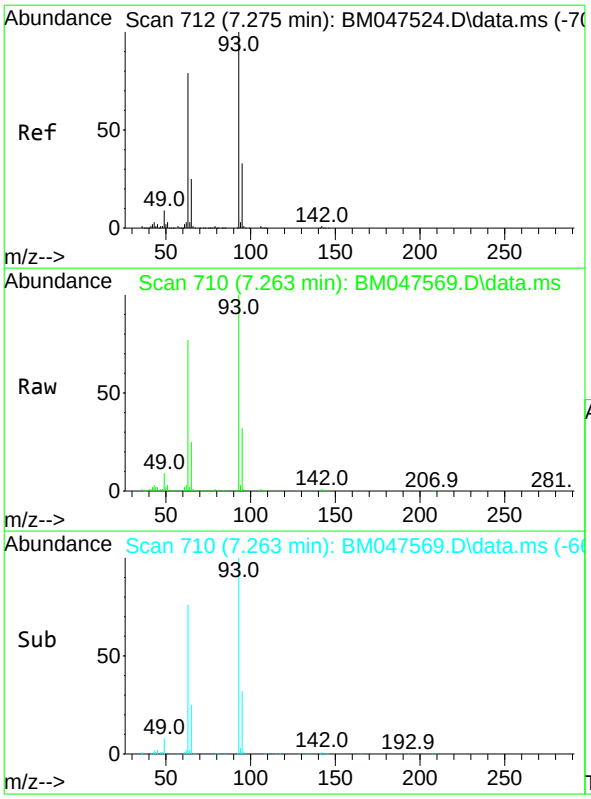


#10
Phenol
Concen: 45.581 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

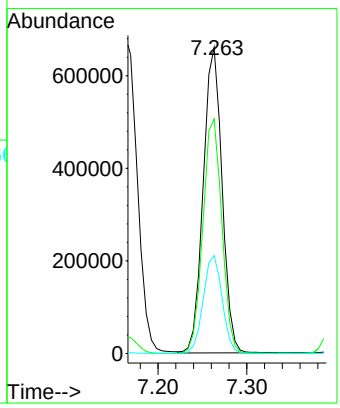




#11
bis(2-Chloroethyl)ether
Concen: 43.696 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



Instrument :
BNA_M
ClientSampleId :
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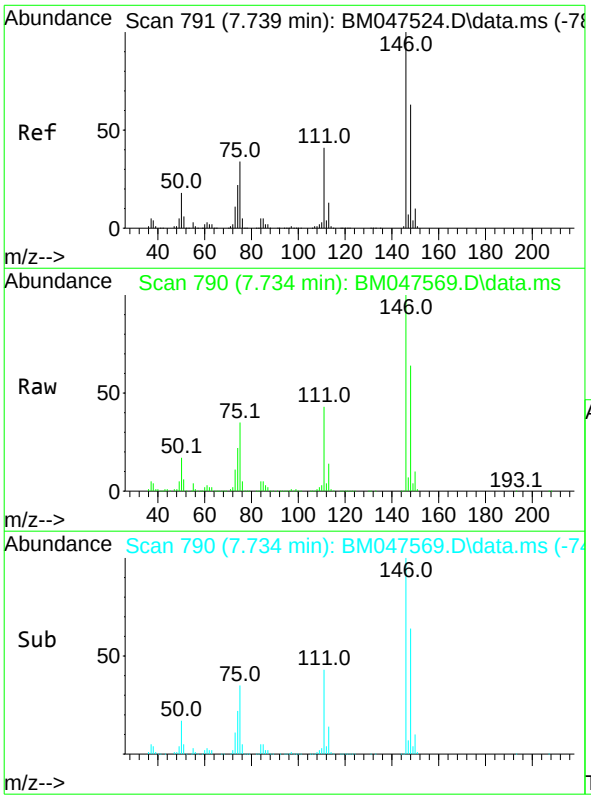
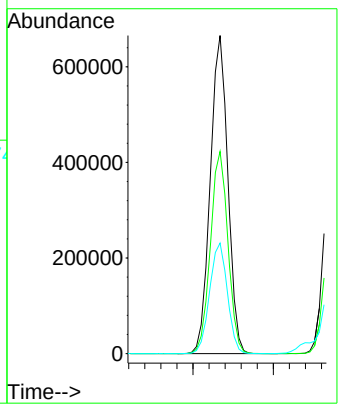
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

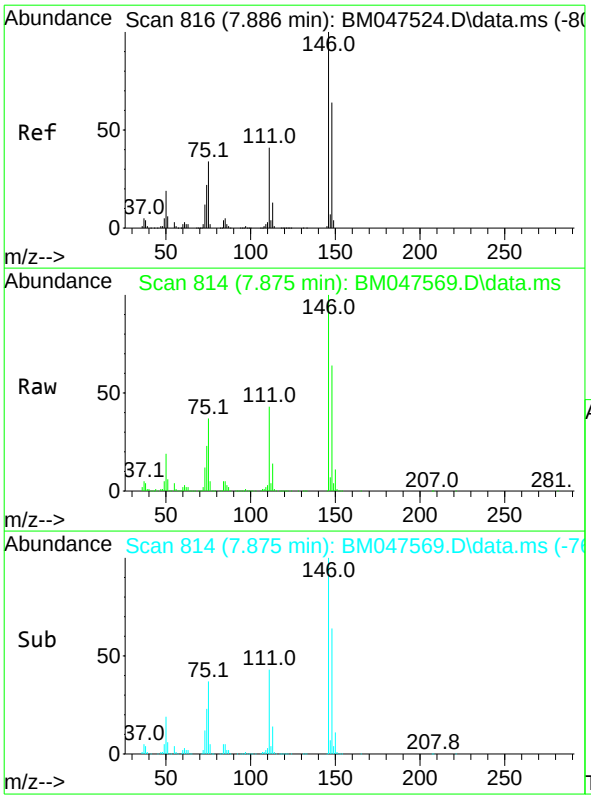


#12
1,3-Dichlorobenzene
Concen: 42.717 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

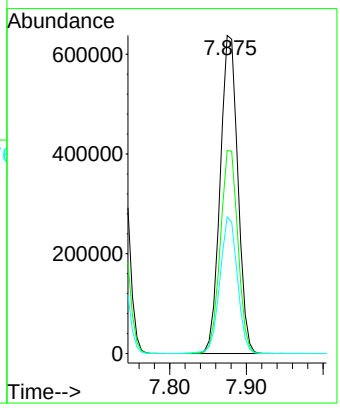




#13
1,4-Dichlorobenzene
Concen: 42.141 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



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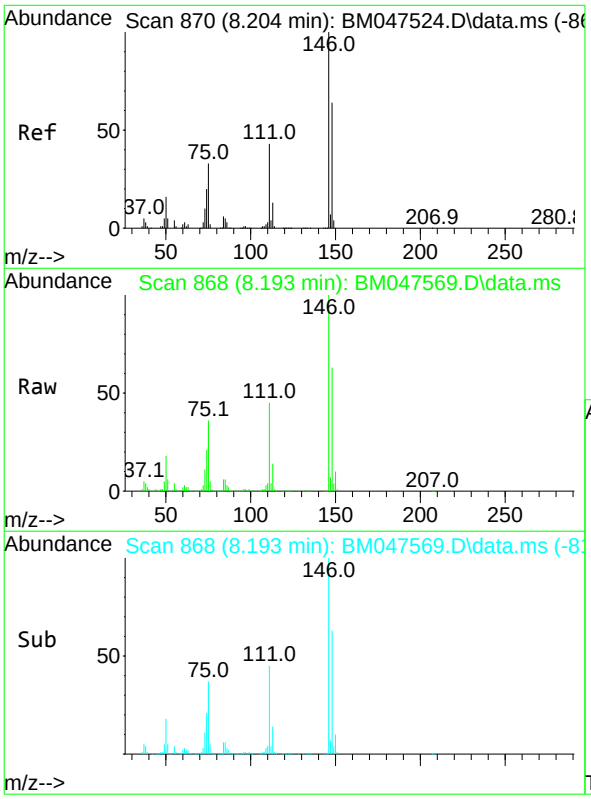
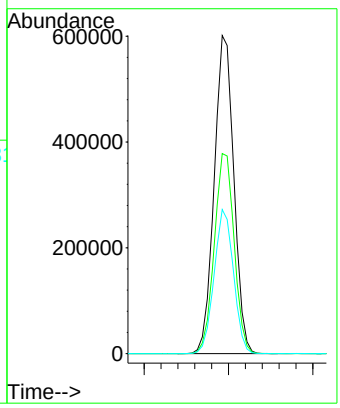
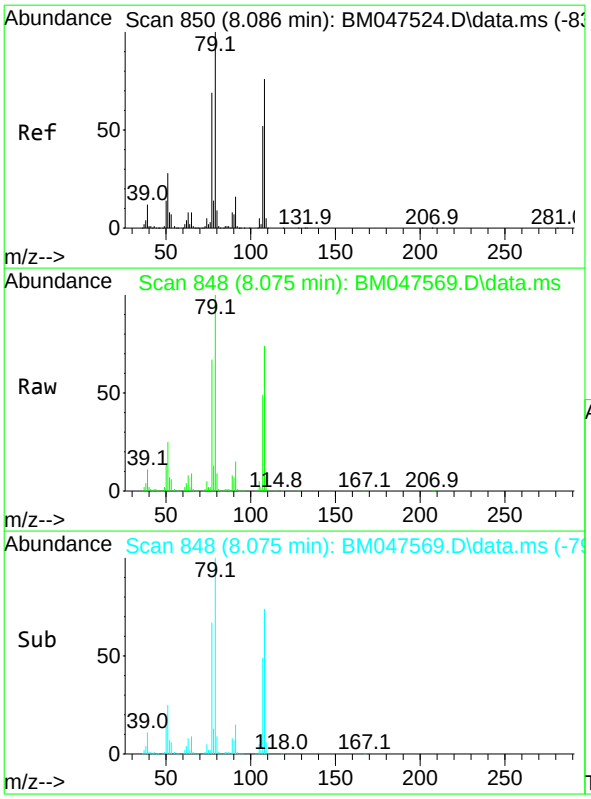


#14
1,2-Dichlorobenzene
Concen: 40.924 ng
RT: 8.193 min Scan# 868
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

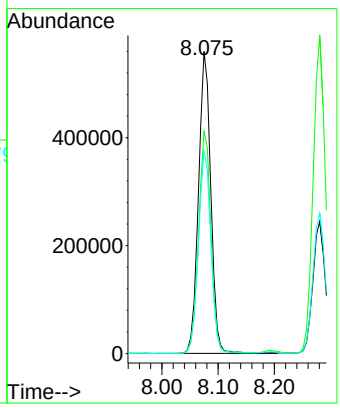




#15
Benzyl Alcohol
Concen: 45.431 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



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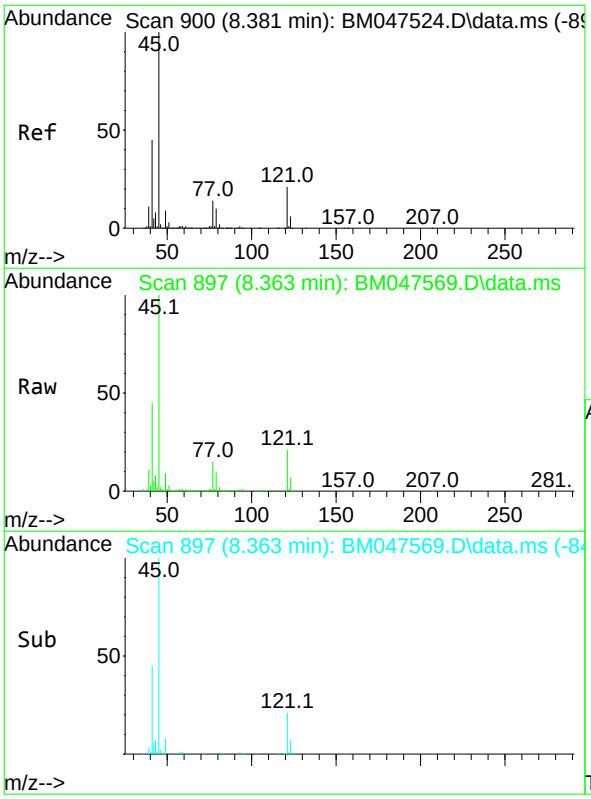
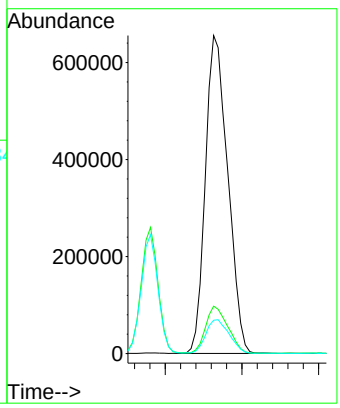
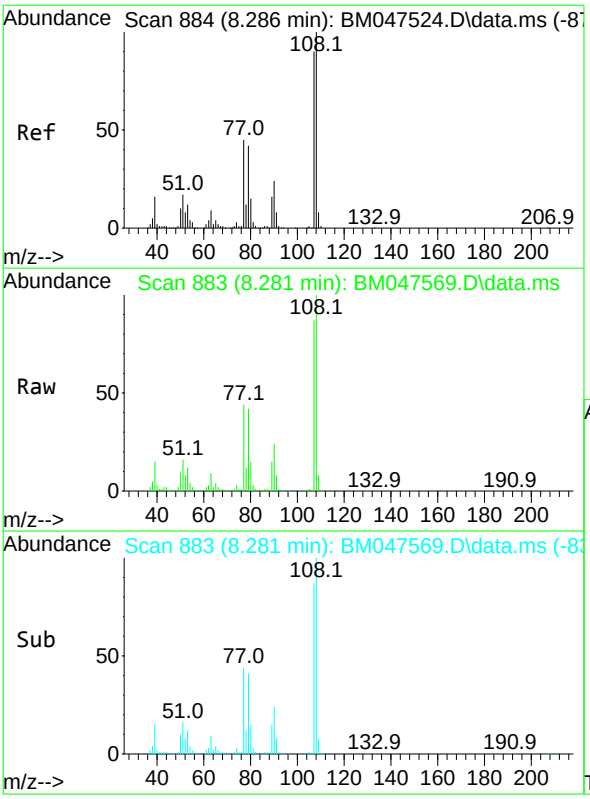


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.505 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

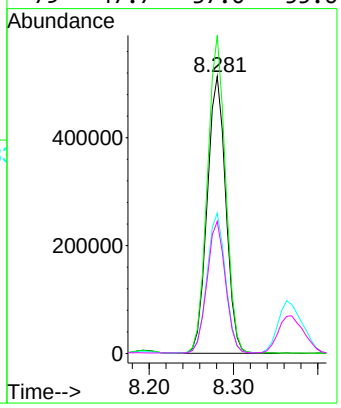




#17
2-Methylphenol
Concen: 44.429 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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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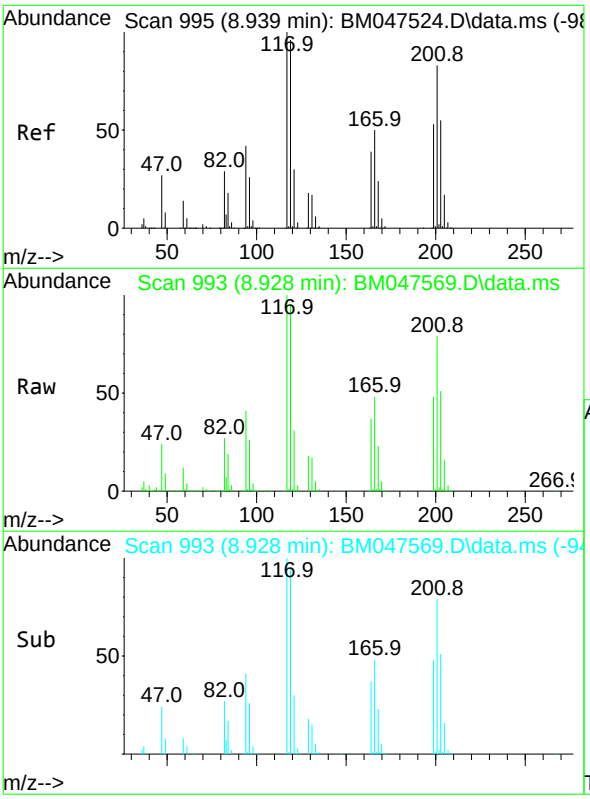
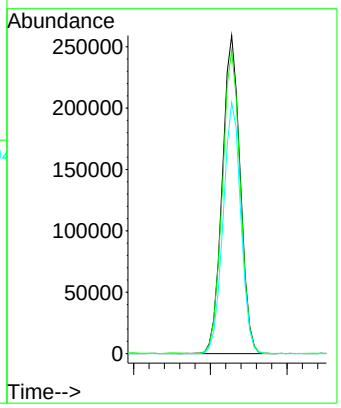
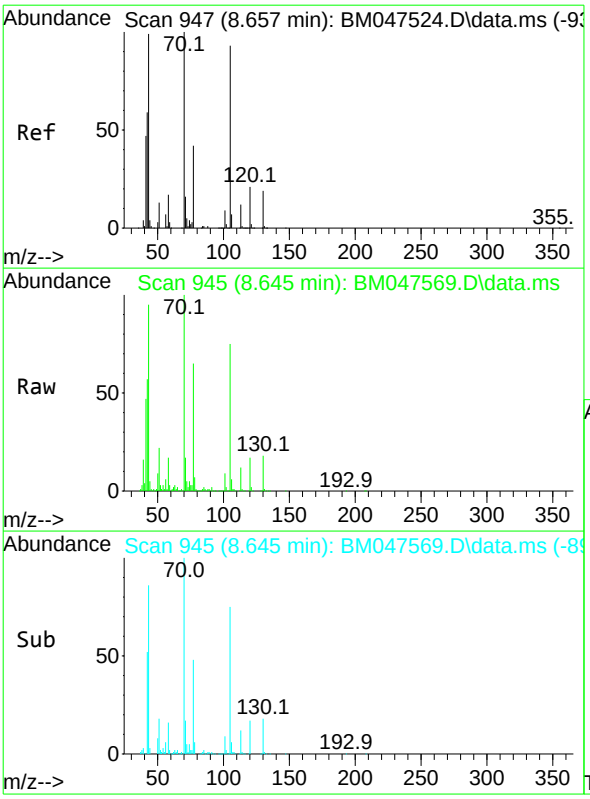


#18
Hexachloroethane
Concen: 43.614 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

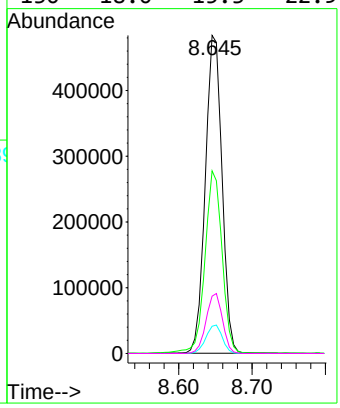




#19
n-Nitroso-di-n-propylamine
Concen: 40.979 ng
RT: 8.645 min Scan# 94
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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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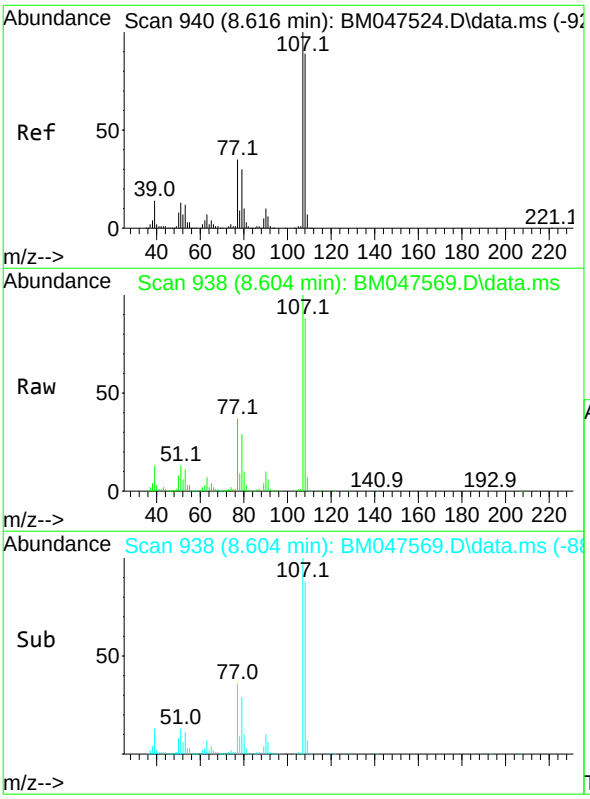
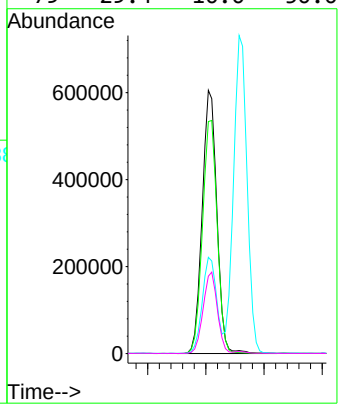
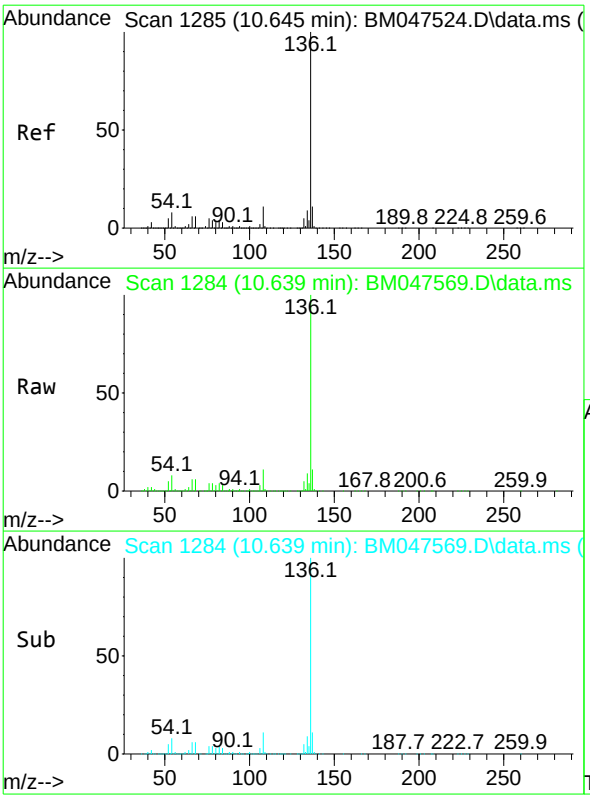


#20
3+4-Methylphenols
Concen: 42.861 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

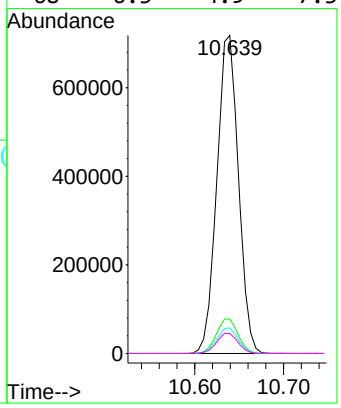




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 12
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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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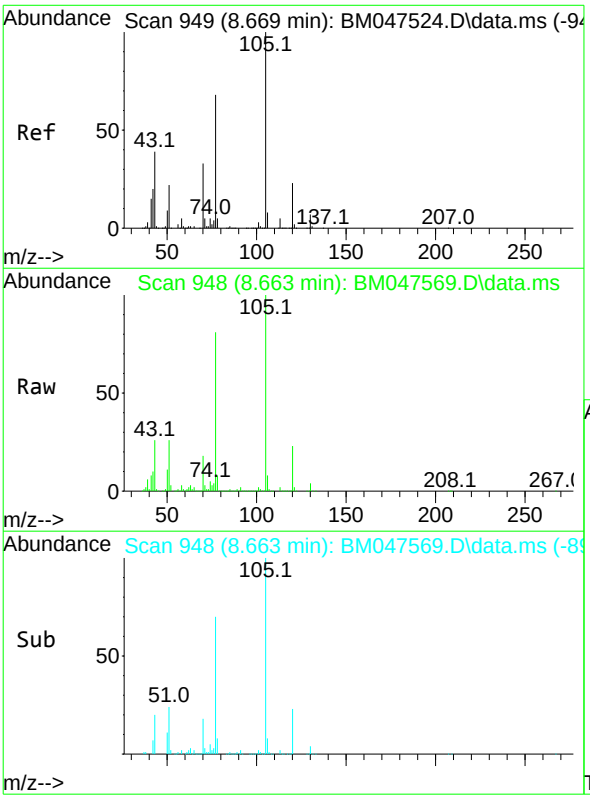
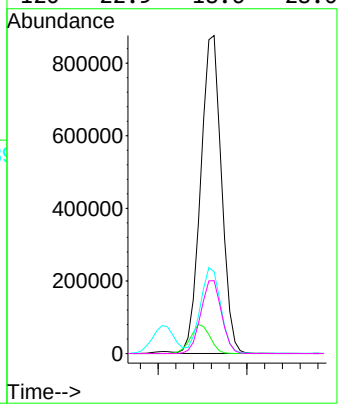
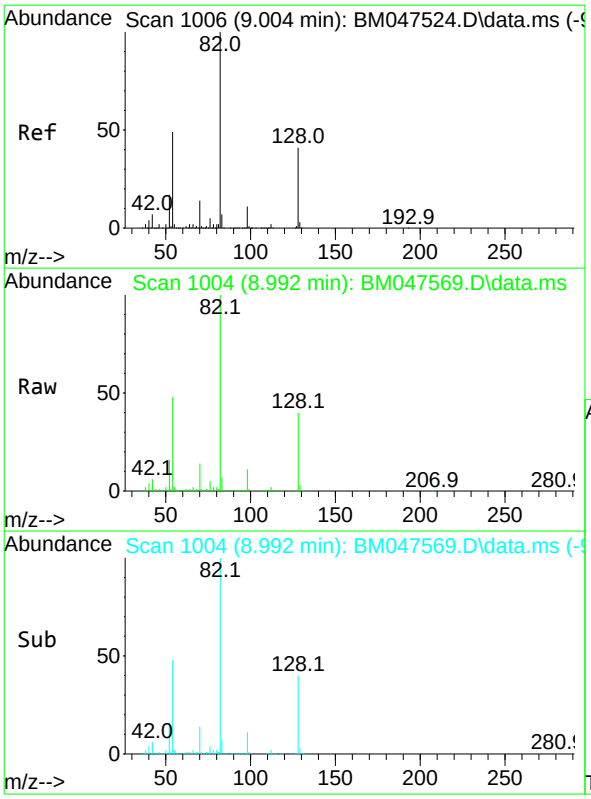


#22
Acetophenone
Concen: 44.633 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

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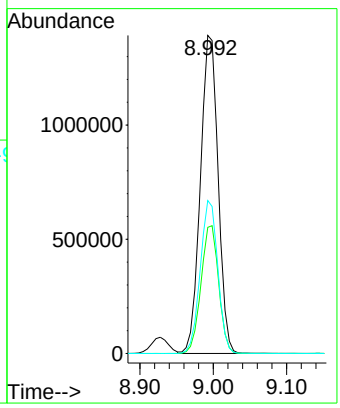
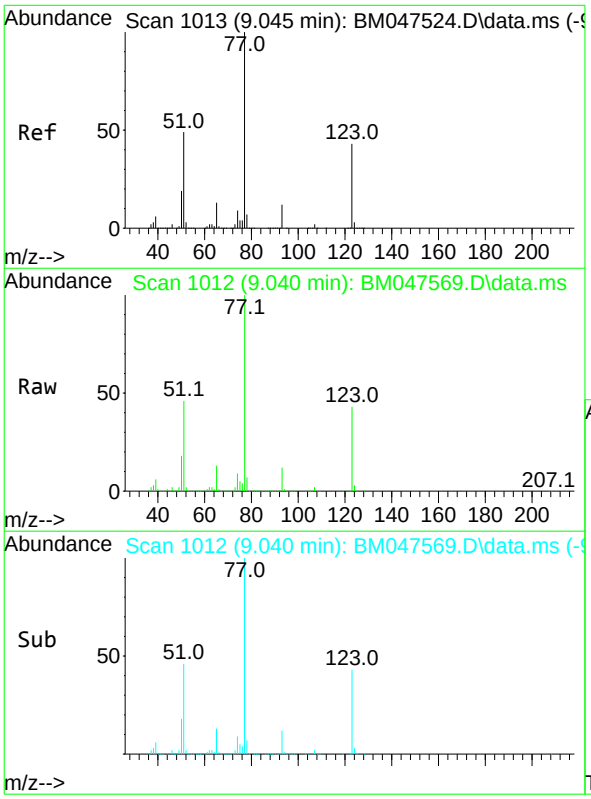
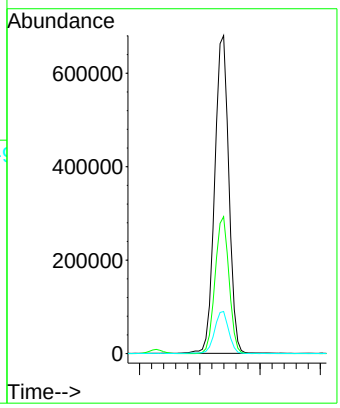


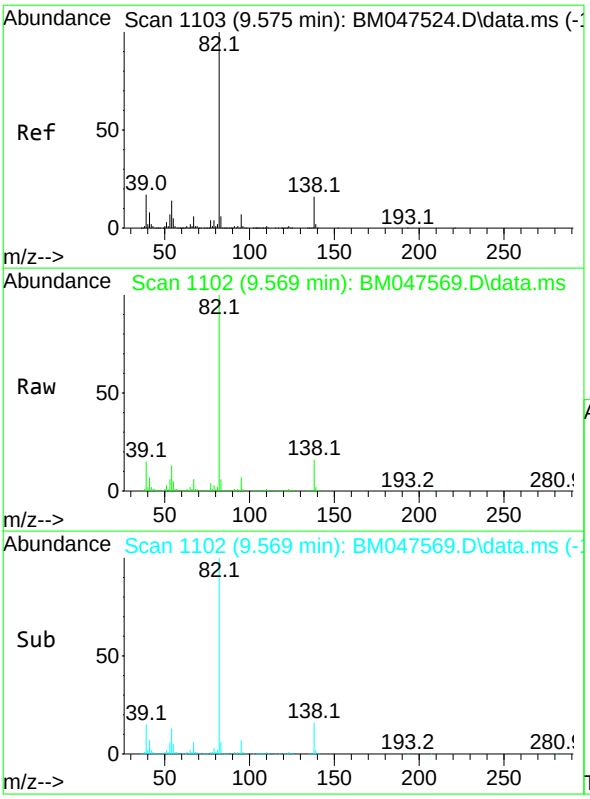


#24
Nitrobenzene
Concen: 44.540 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

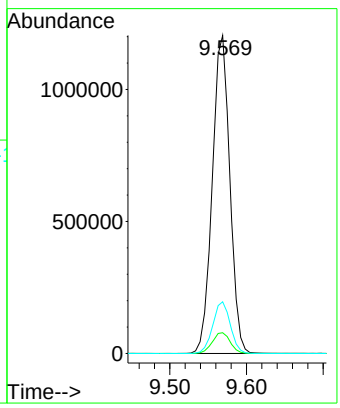




#25
Isophorone
Concen: 44.955 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



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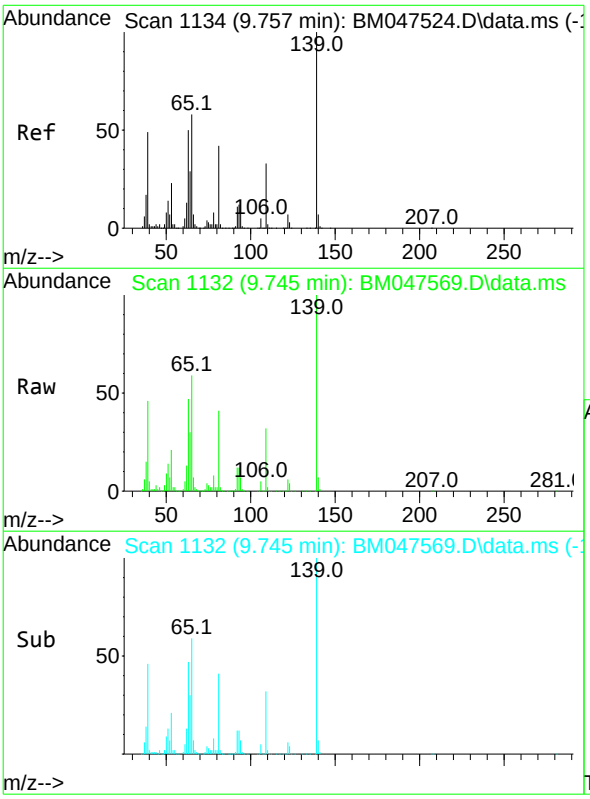
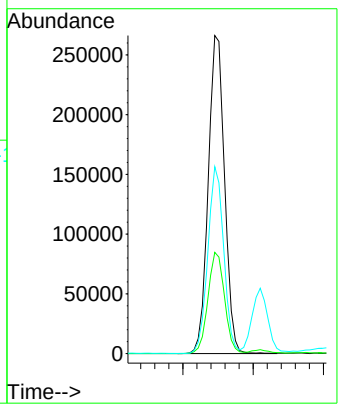
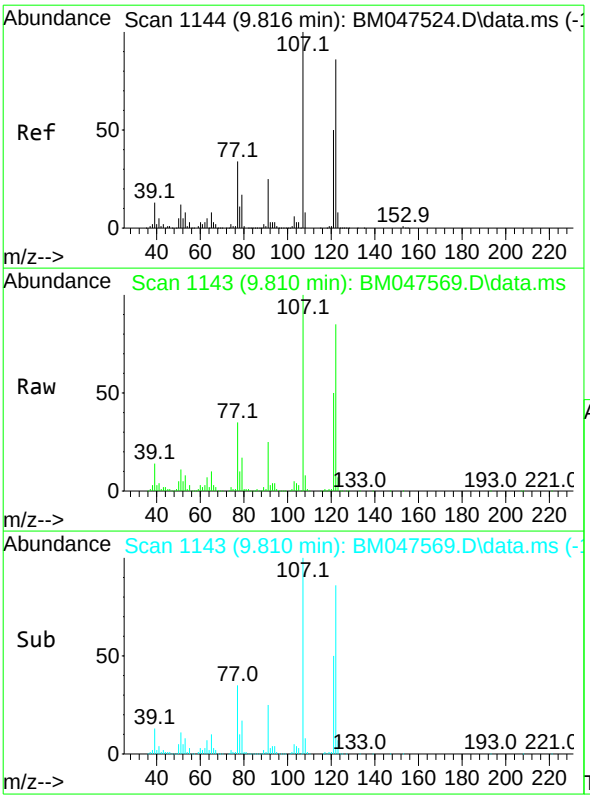


#26
2-Nitrophenol
Concen: 50.635 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

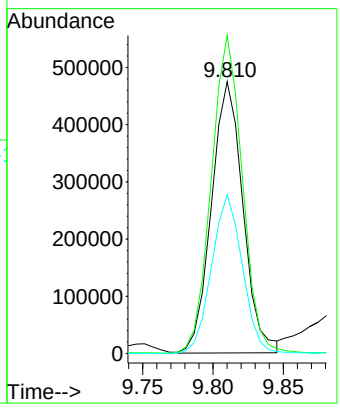




#27
2,4-Dimethylphenol
Concen: 57.544 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



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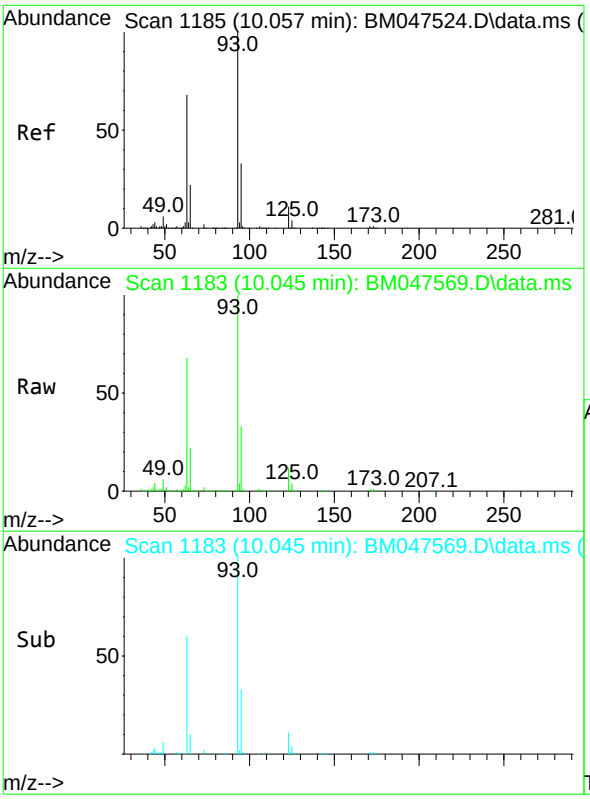
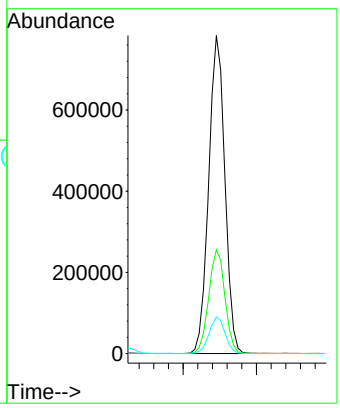
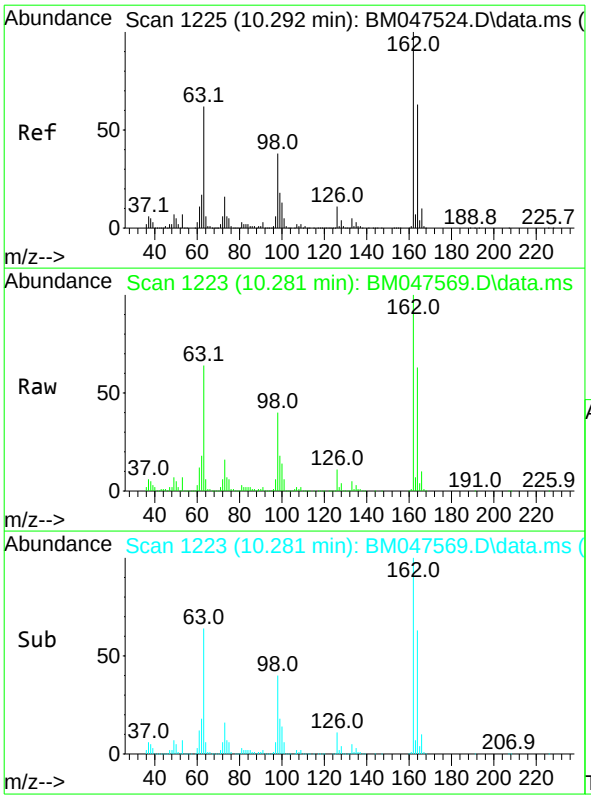


#28
bis(2-Chloroethoxy)methane
Concen: 44.775 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

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

Instrument :
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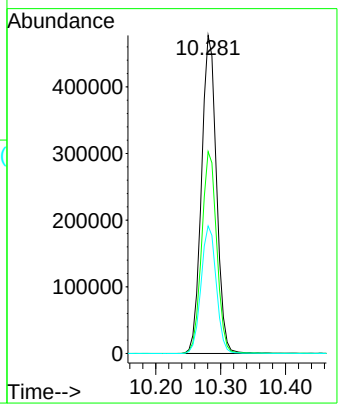
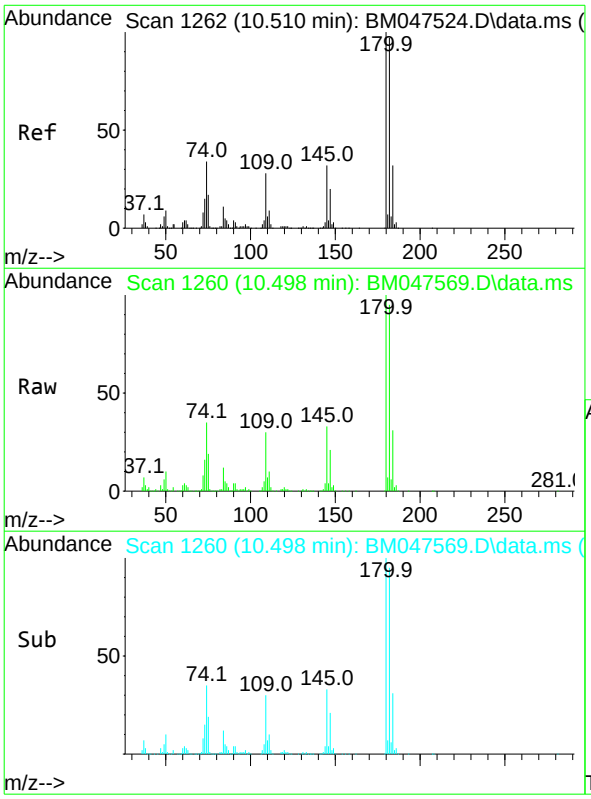
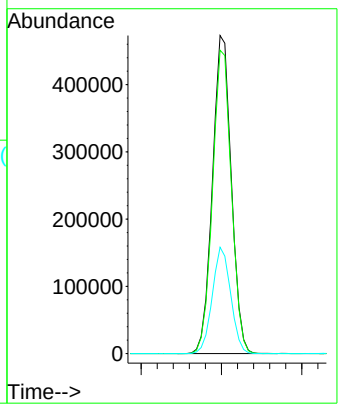


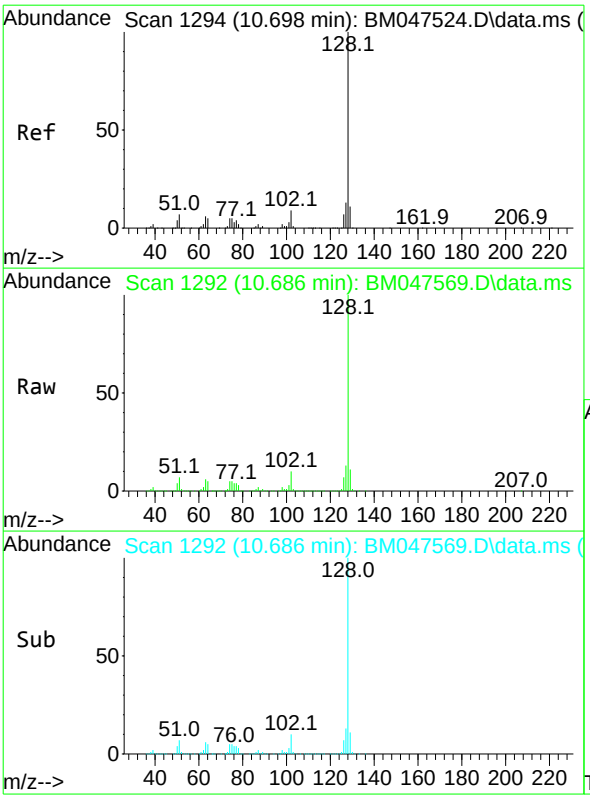


#30
1,2,4-Trichlorobenzene
Concen: 41.180 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

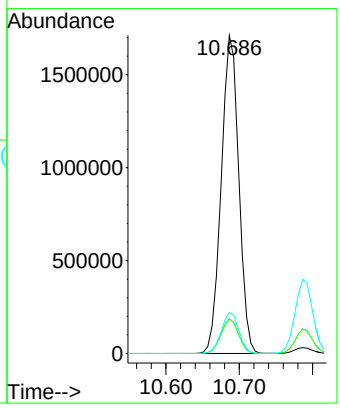




#31
Naphthalene
Concen: 43.348 ng
RT: 10.686 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
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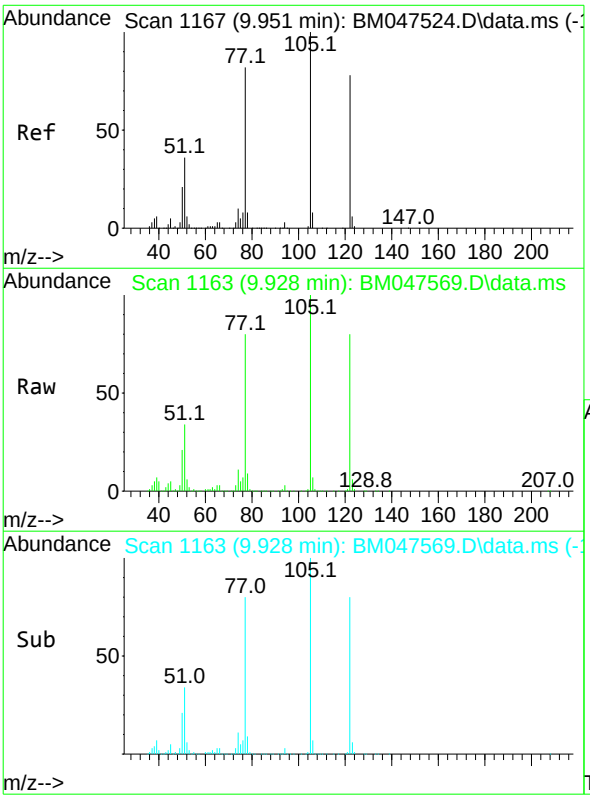
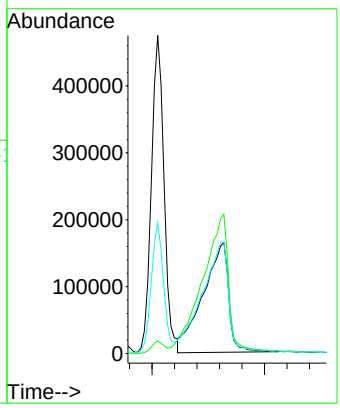
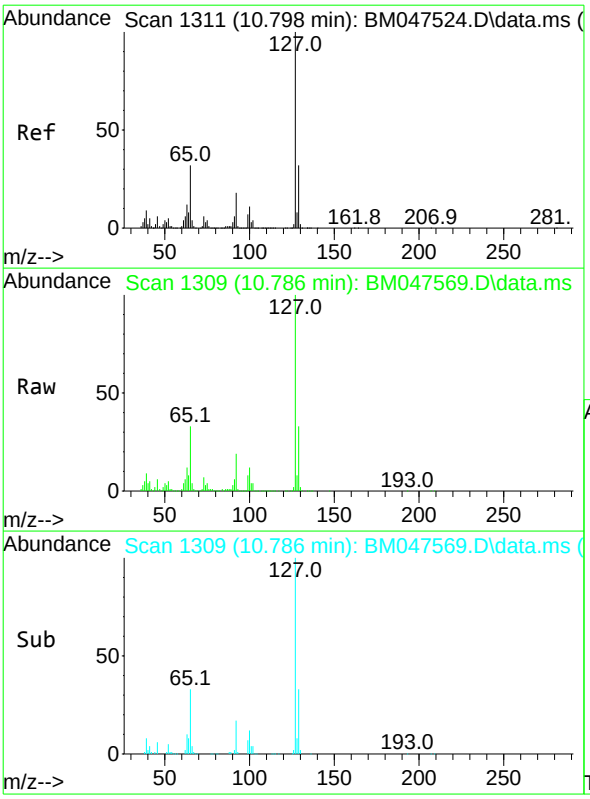


#32
Benzoic acid
Concen: 41.966 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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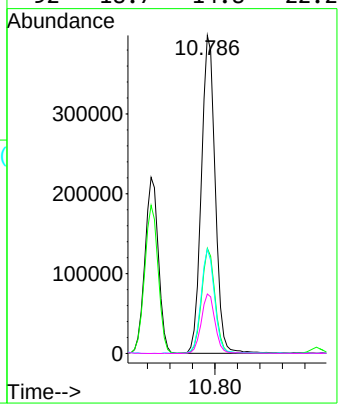
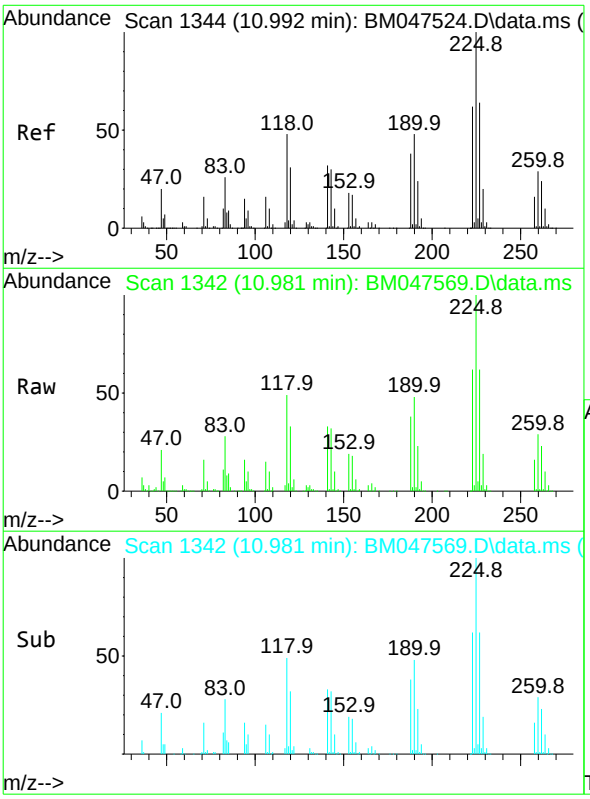
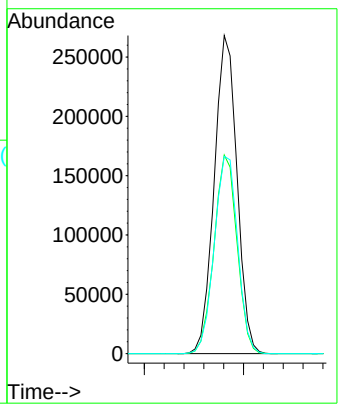


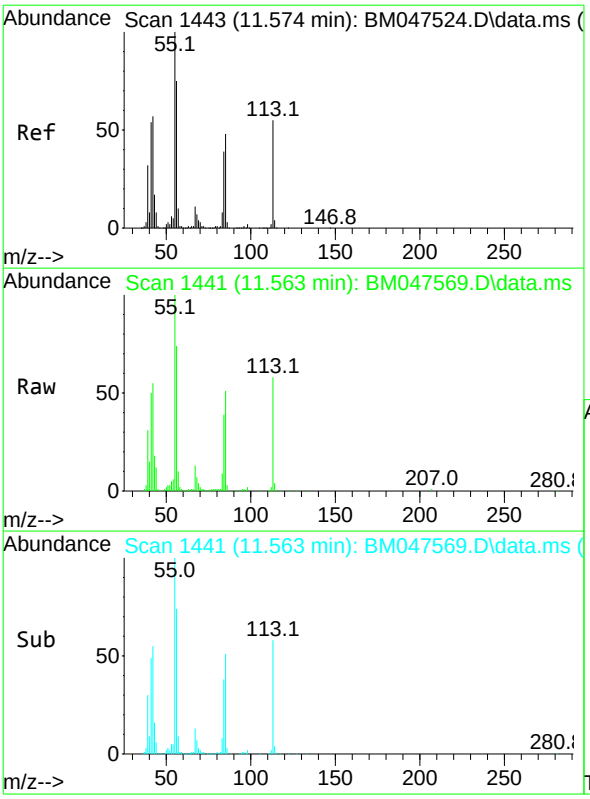


#34
Hexachlorobutadiene
Concen: 41.259 ng
RT: 10.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

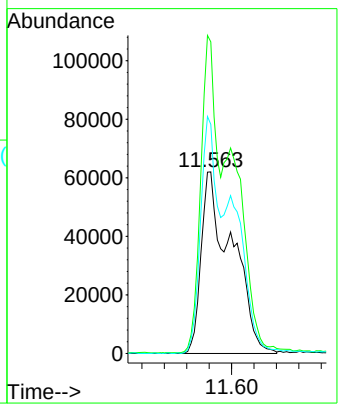




#35
Caprolactam
Concen: 43.792 ng m
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



Instrument :
BNA_M
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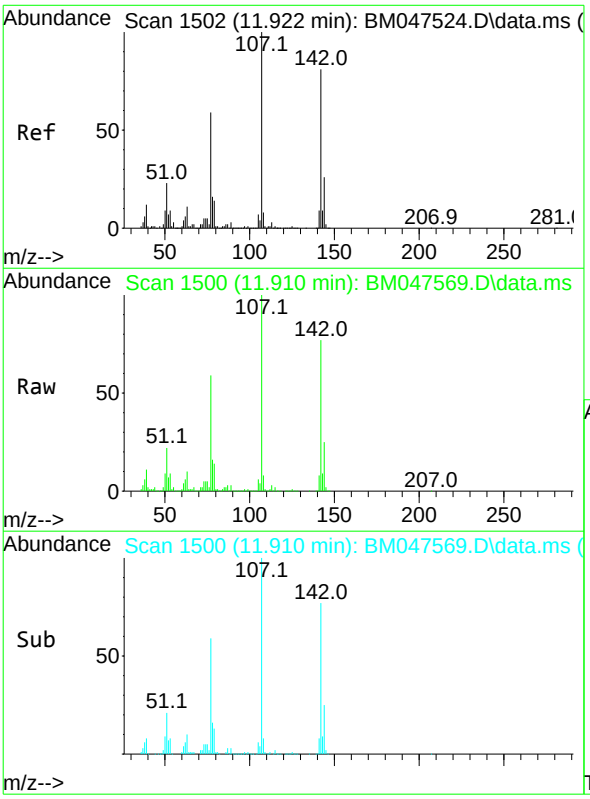
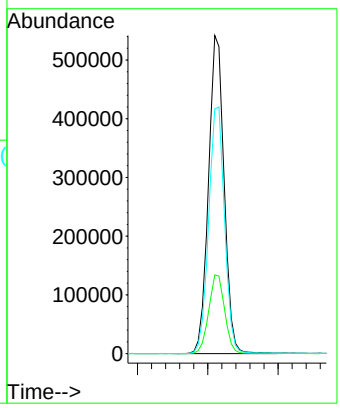
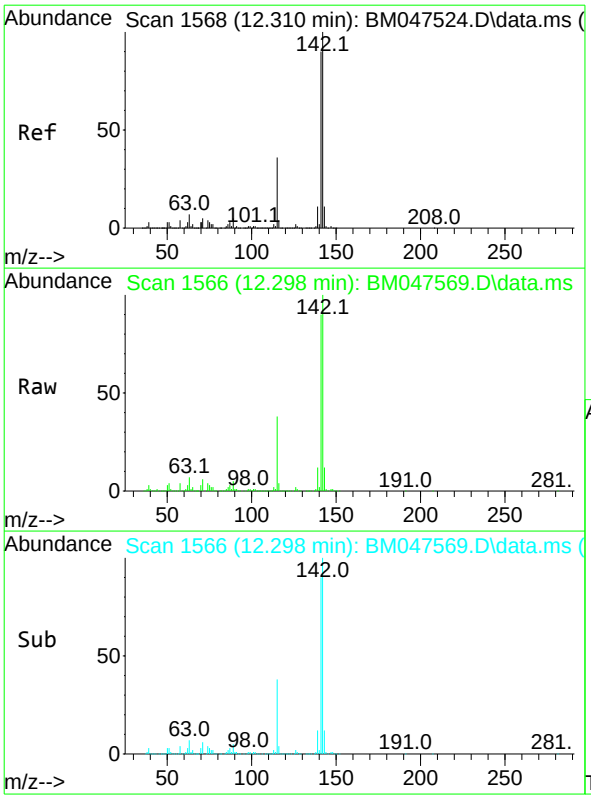


#36
4-Chloro-3-methylphenol
Concen: 44.762 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

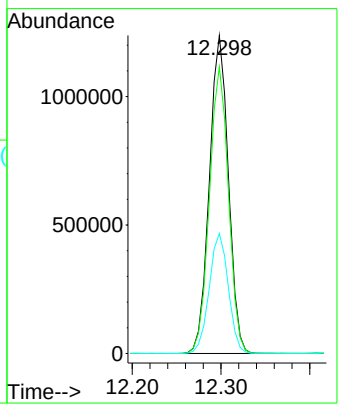




#37
2-Methylnaphthalene
Concen: 42.299 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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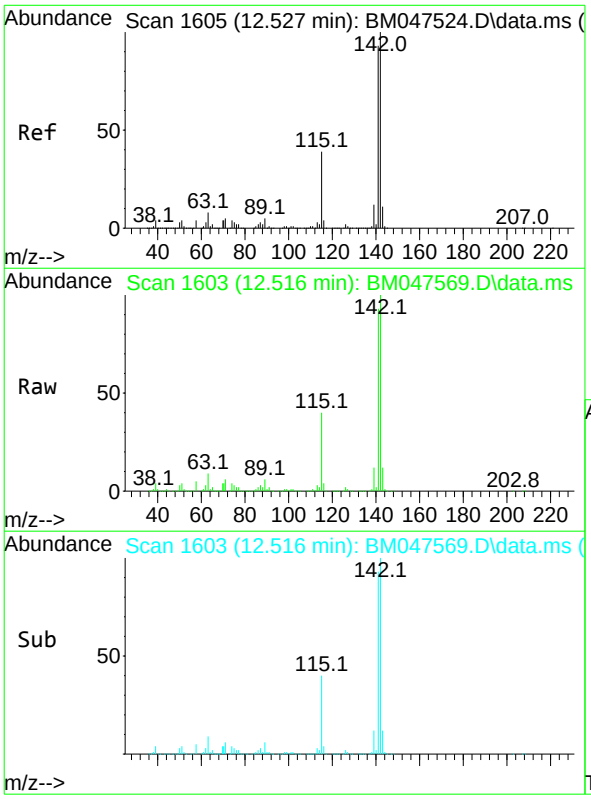
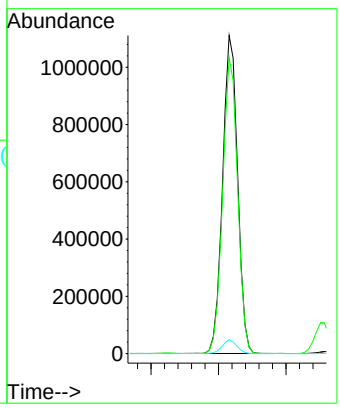
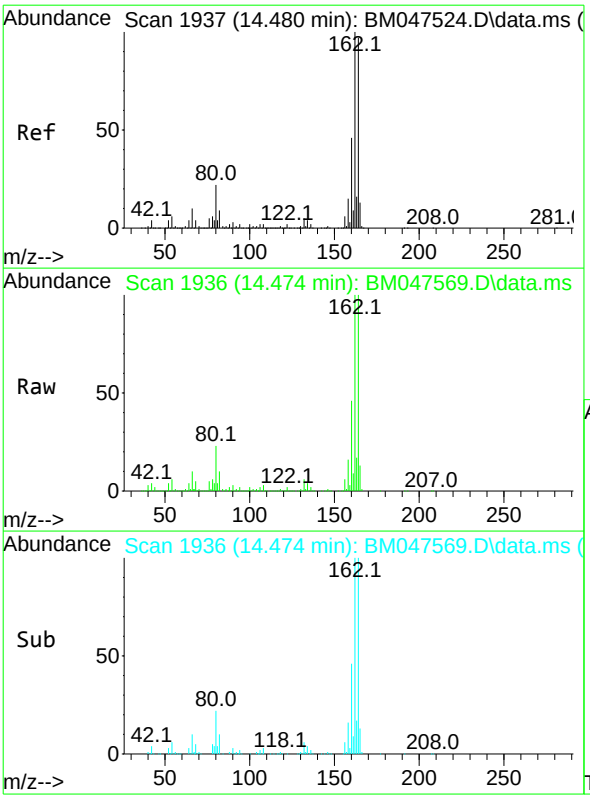


#38
1-Methylnaphthalene
Concen: 39.536 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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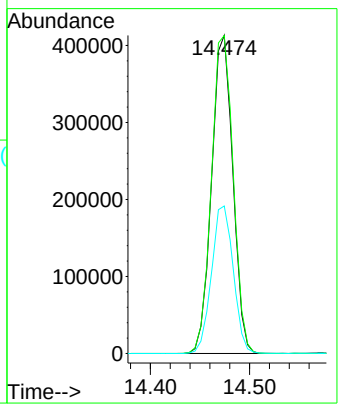
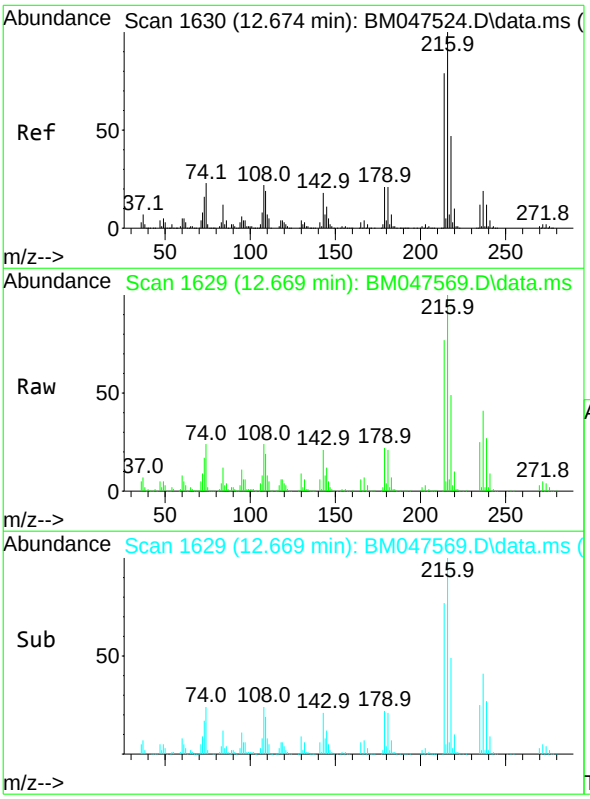
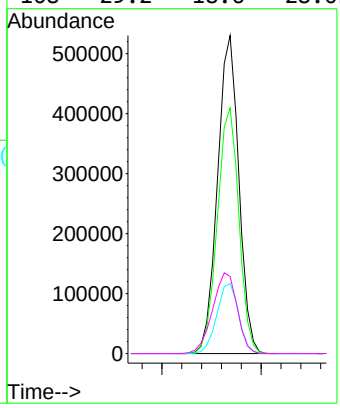


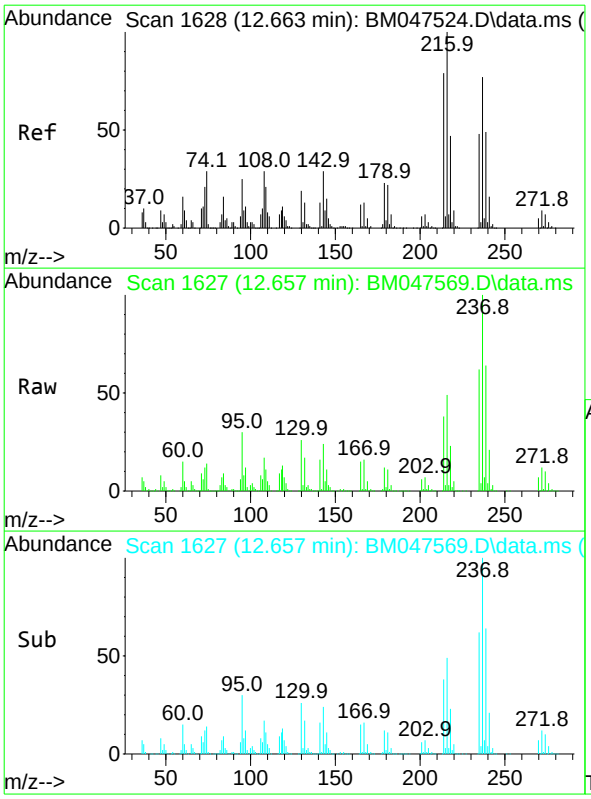


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.701 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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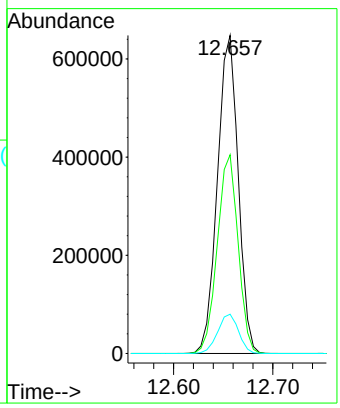
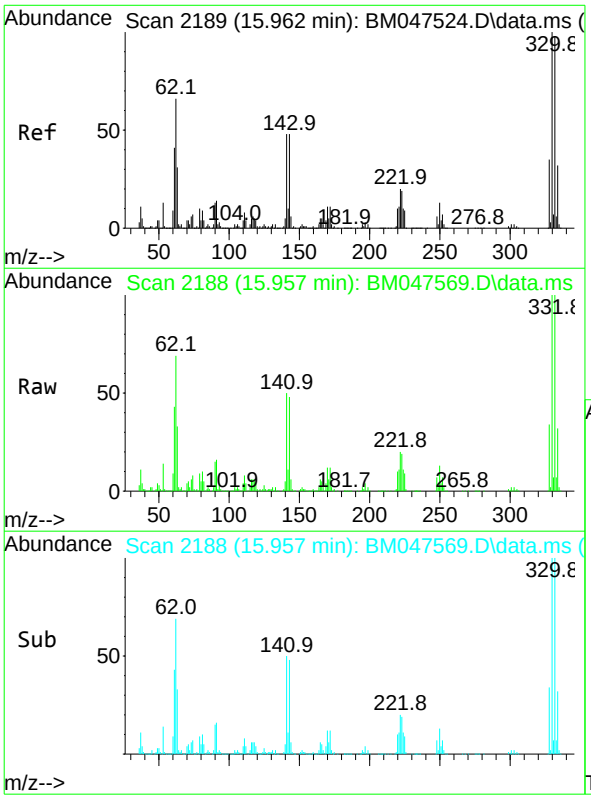
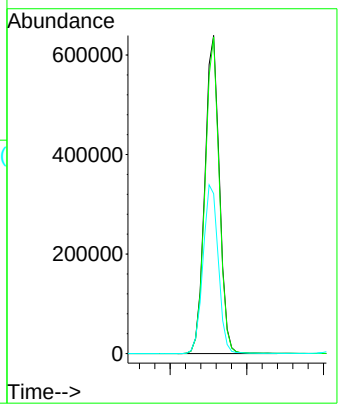


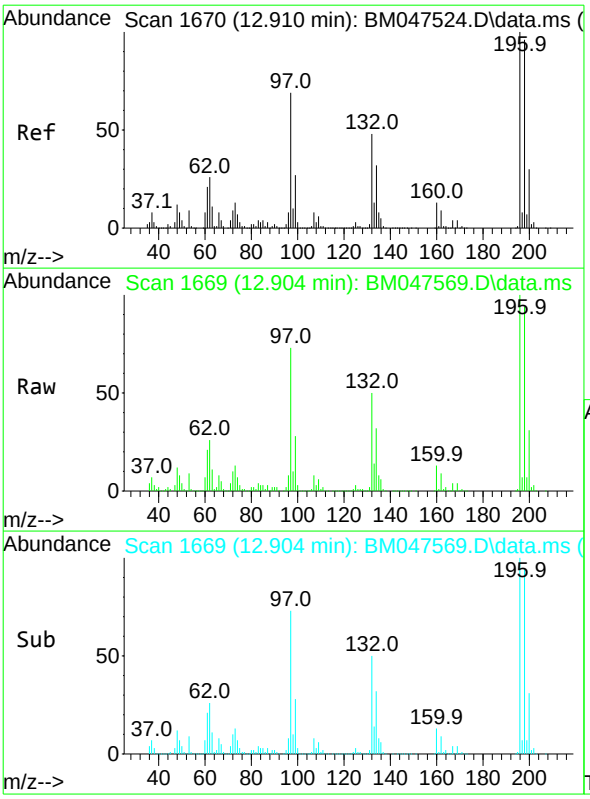


#42
2,4,6-Tribromophenol
Concen: 142.050 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

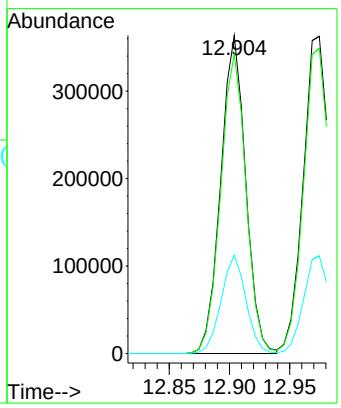




#43
2,4,6-Trichlorophenol
Concen: 50.441 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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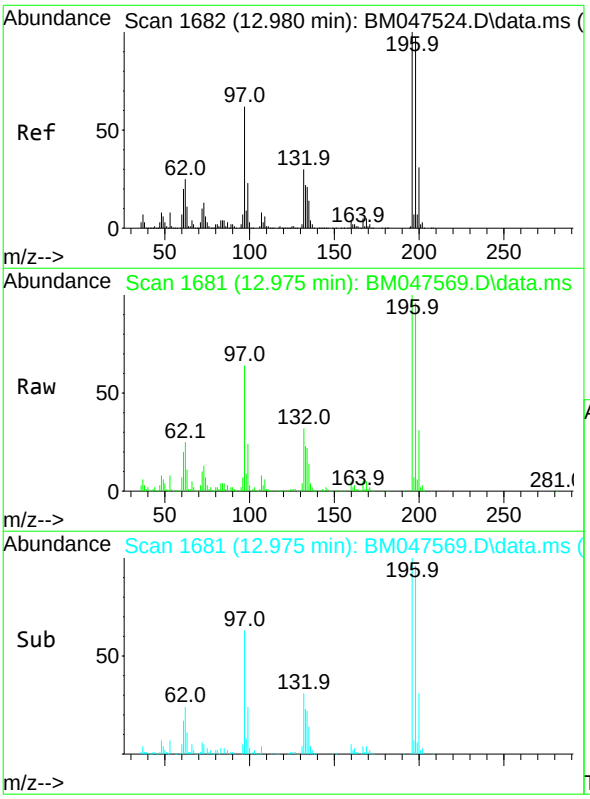
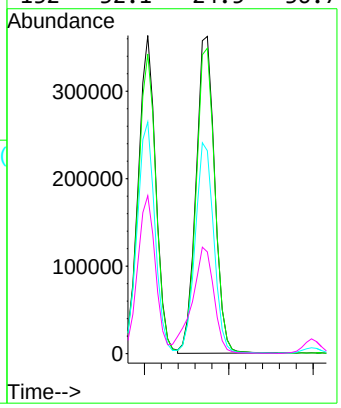
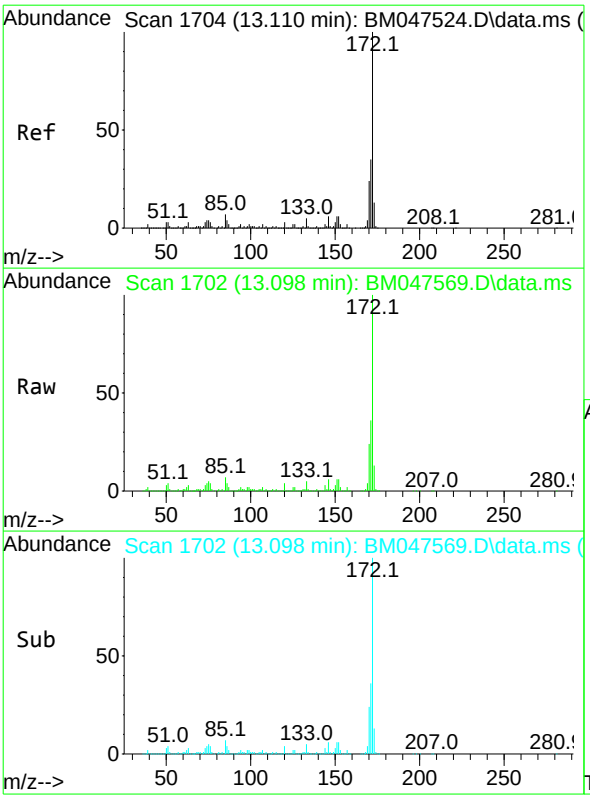


#44
2,4,5-Trichlorophenol
Concen: 47.566 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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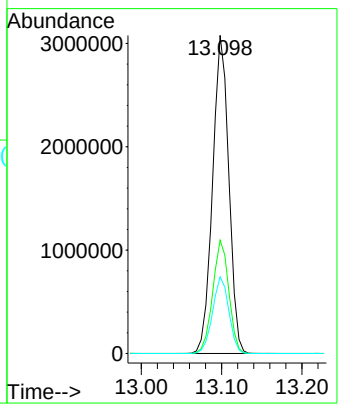
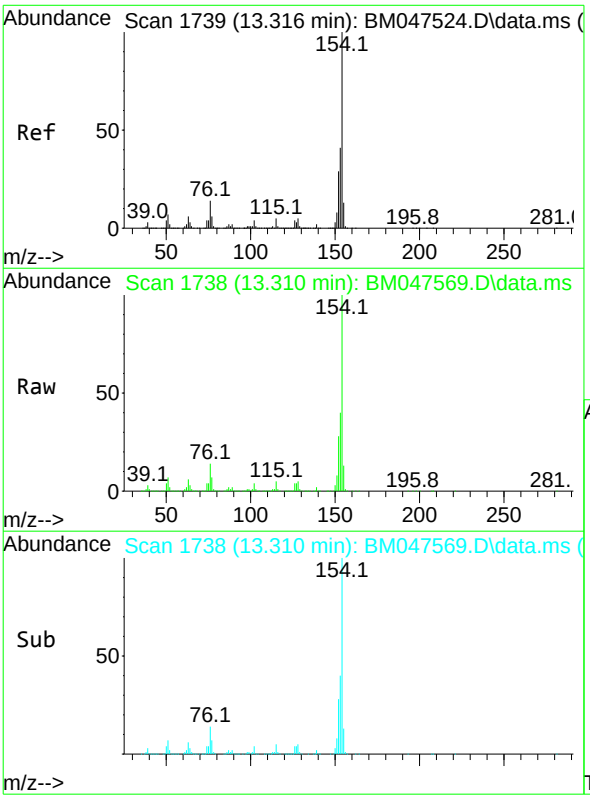
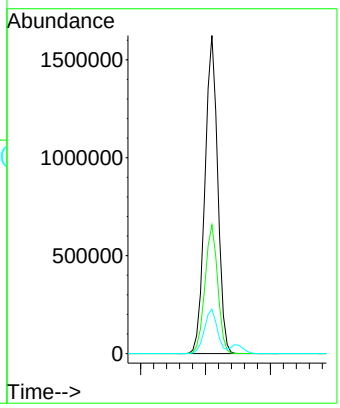


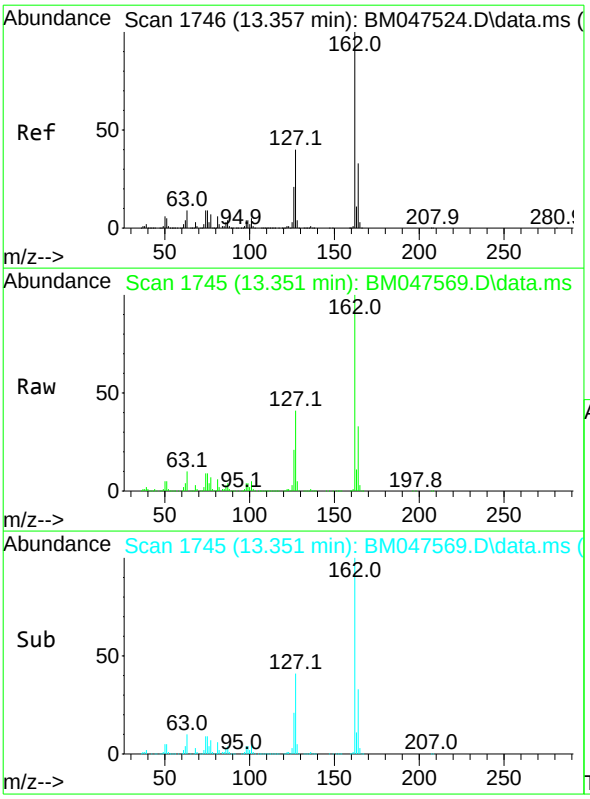


#46
1,1'-Biphenyl
Concen: 46.347 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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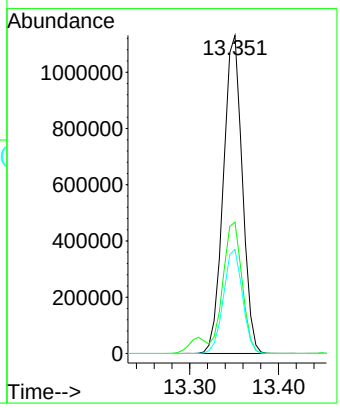
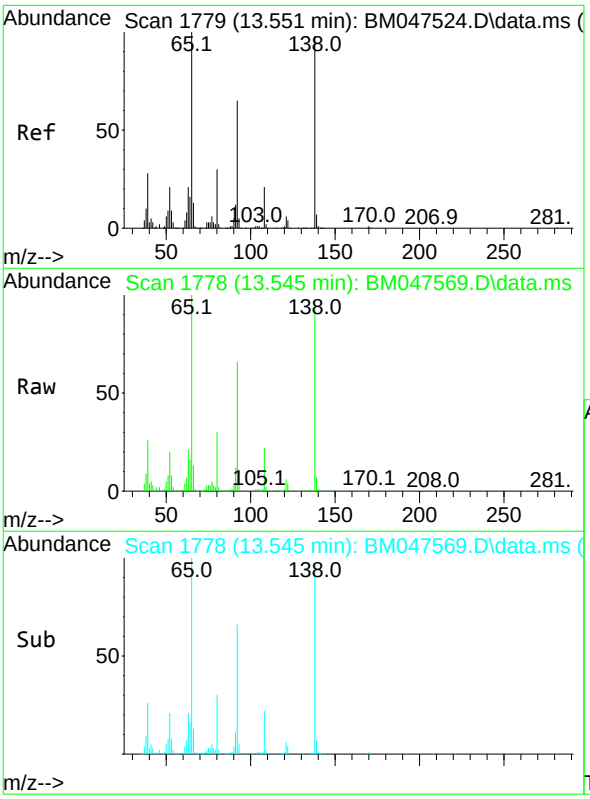
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

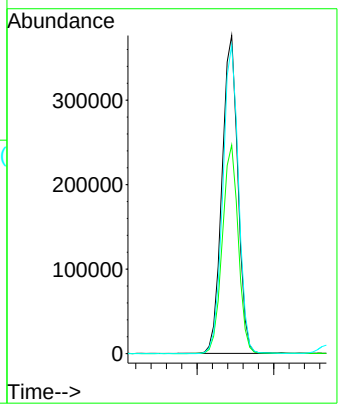


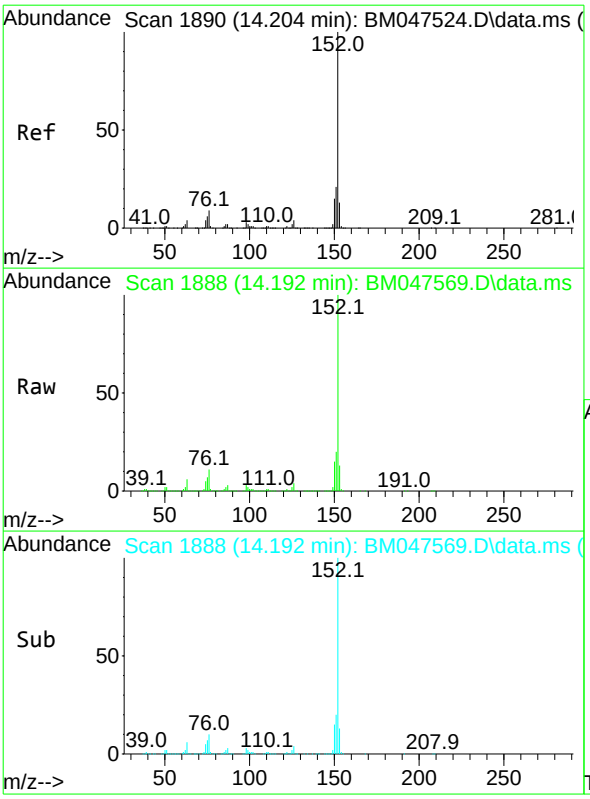


#48
2-Nitroaniline
Concen: 49.780 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

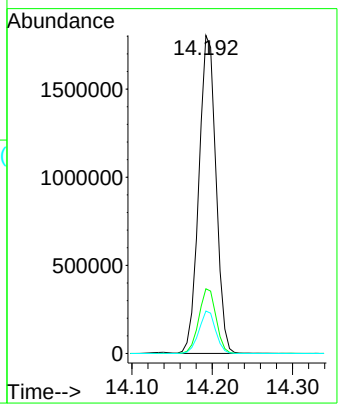




#49
Acenaphthylene
Concen: 49.861 ng
RT: 14.192 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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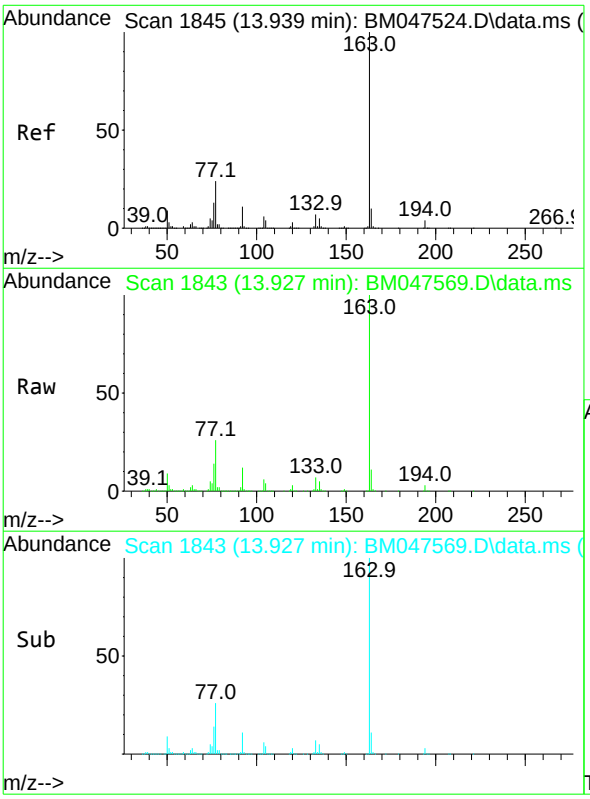
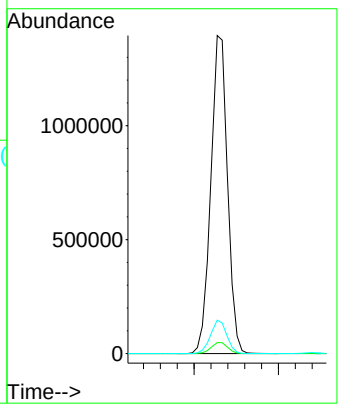
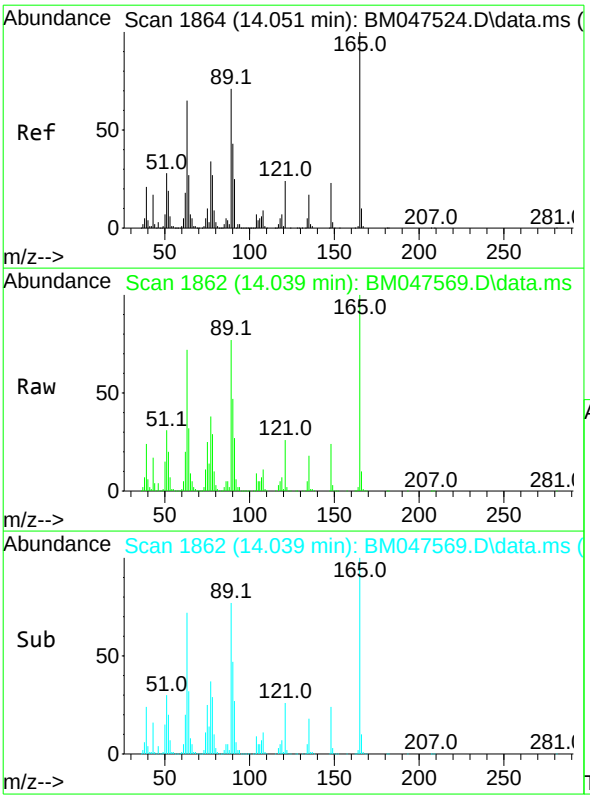


#50
Dimethylphthalate
Concen: 45.889 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
PB163318BSD

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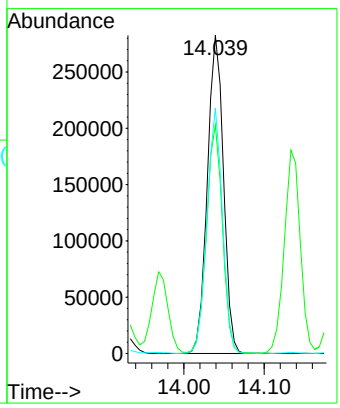
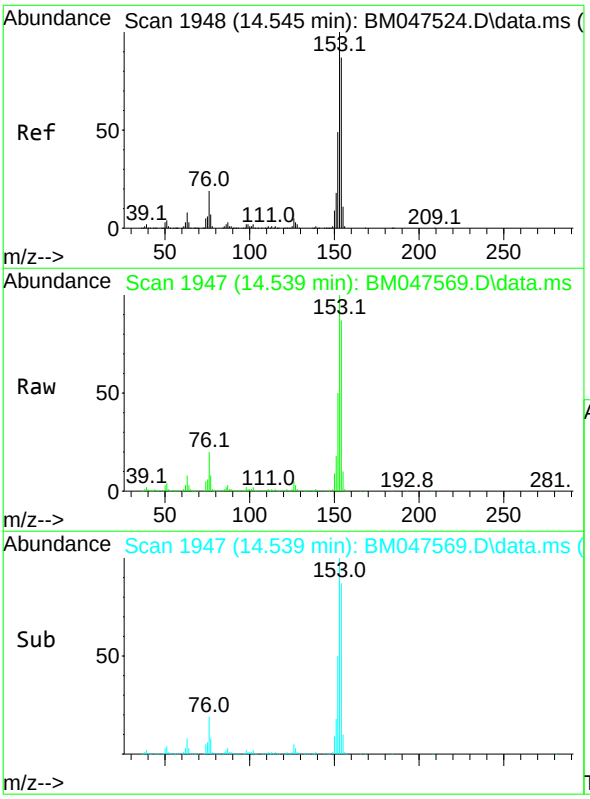
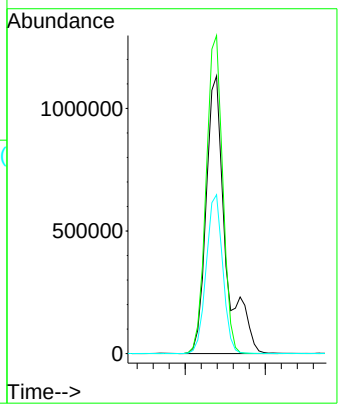


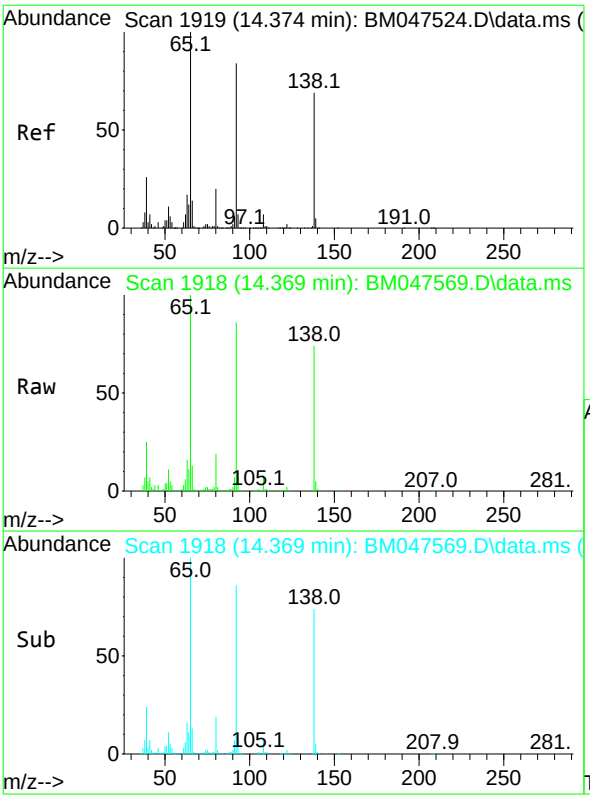


#52
Acenaphthene
Concen: 50.920 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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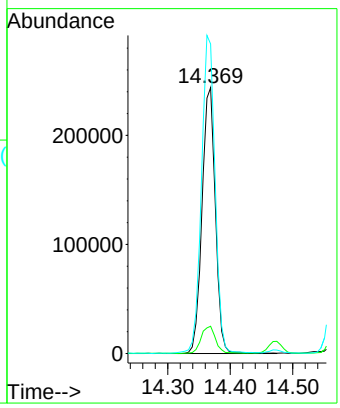
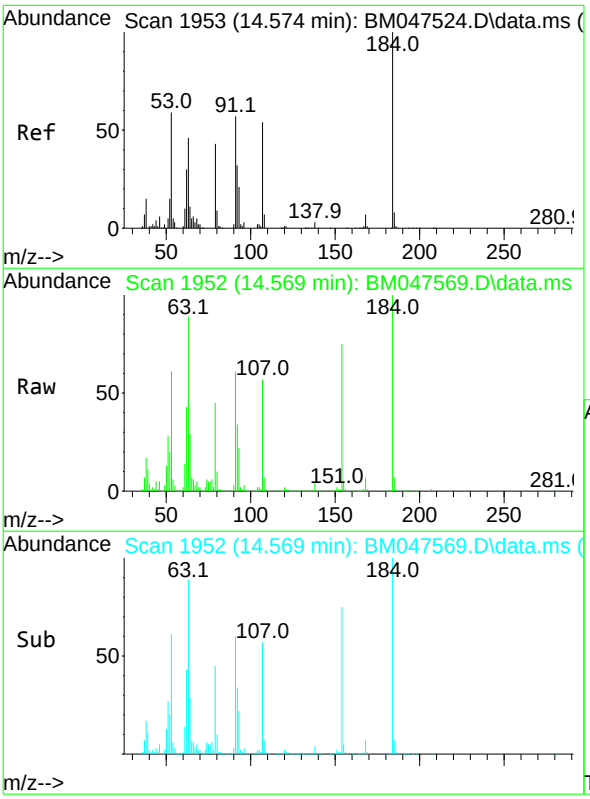
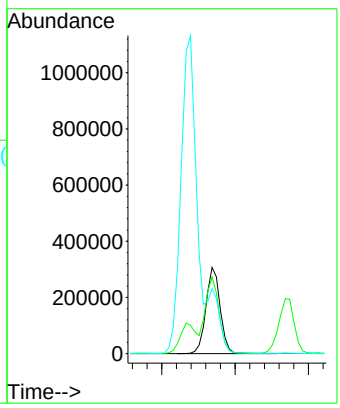


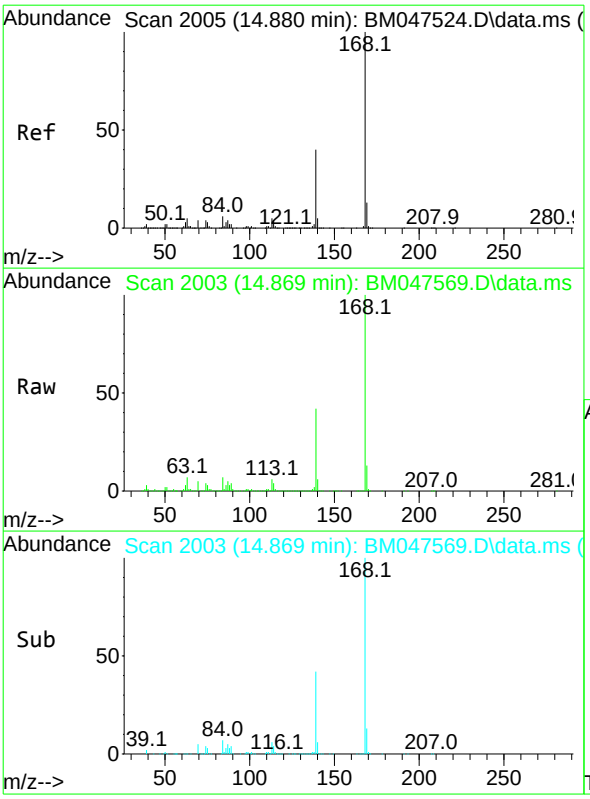


#54
2,4-Dinitrophenol
Concen: 82.181 ng
RT: 14.569 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

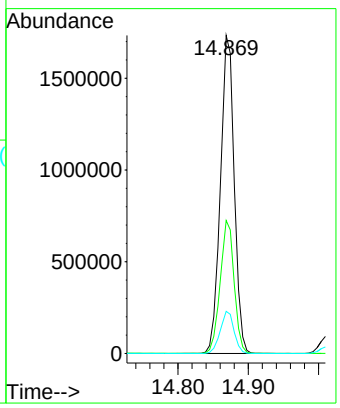




#55
Dibenzofuran
Concen: 45.021 ng
RT: 14.869 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
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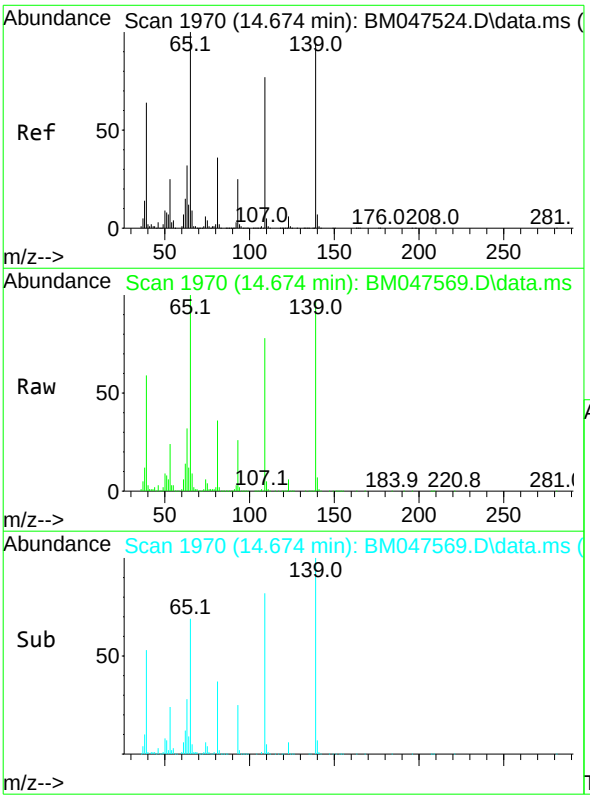
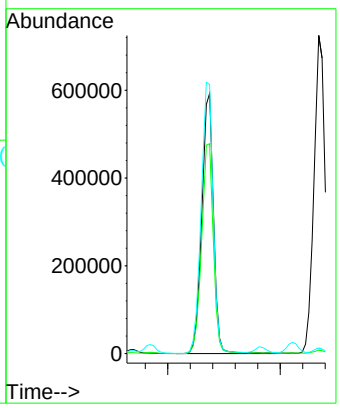
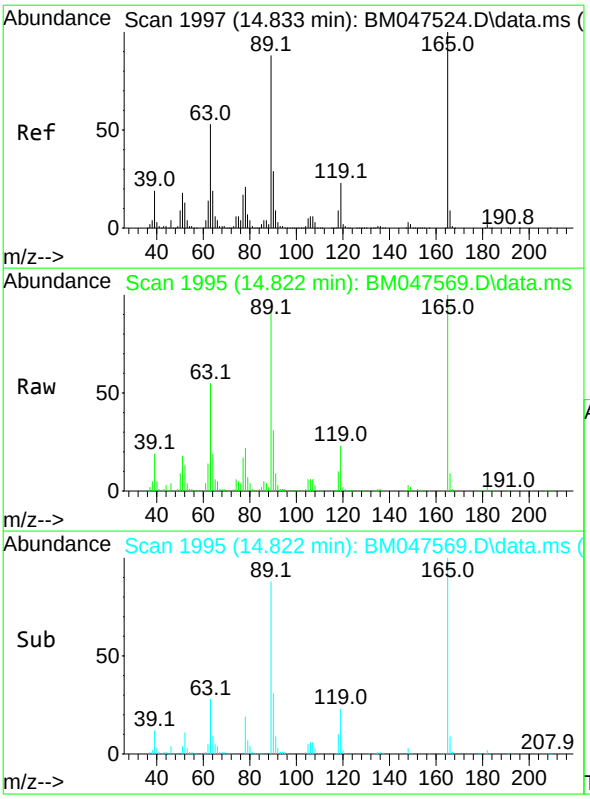


#56
4-Nitrophenol
Concen: 106.021 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

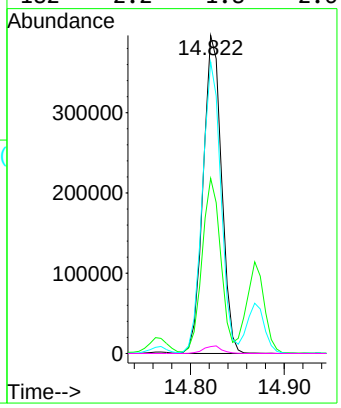




#57
2,4-Dinitrotoluene
Concen: 45.972 ng
RT: 14.822 min Scan# 19
Delta R.T. -0.011 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
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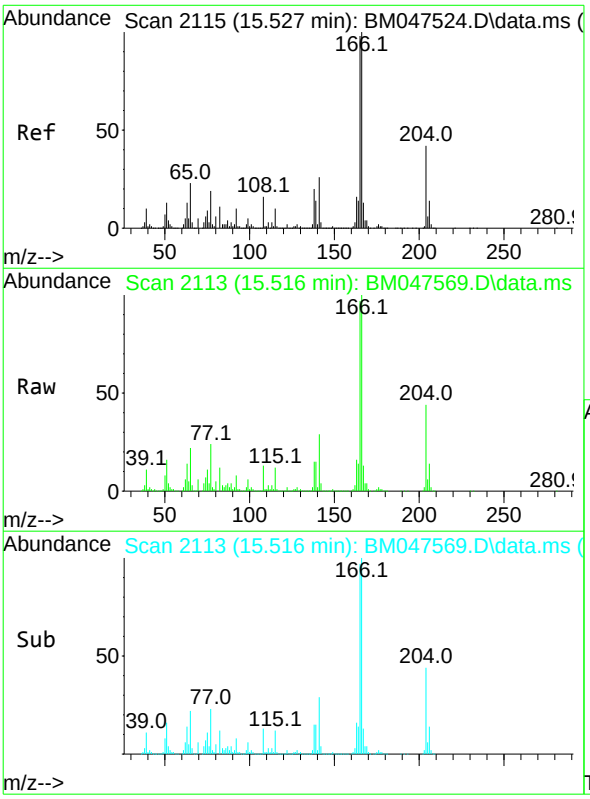
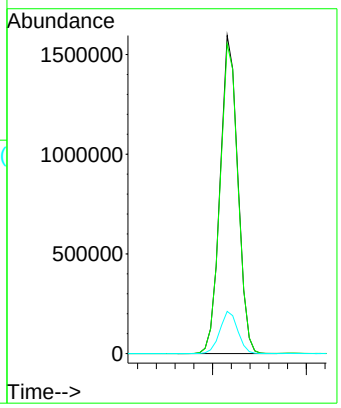
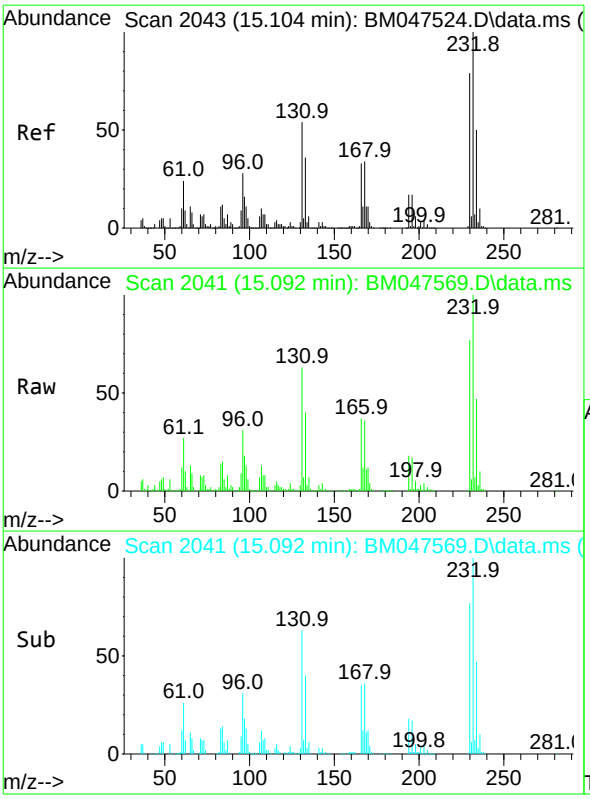


#58
Fluorene
Concen: 44.059 ng
RT: 15.516 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

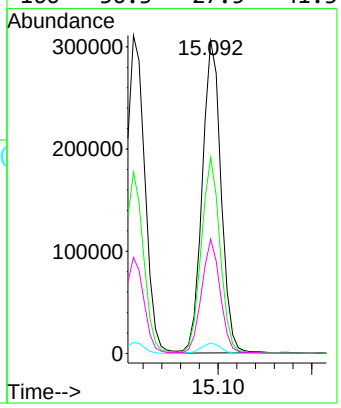




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.398 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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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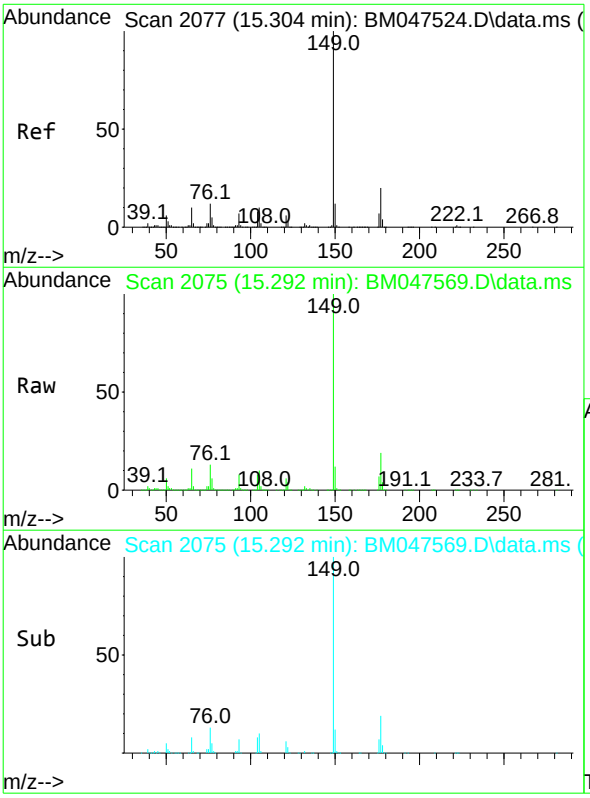
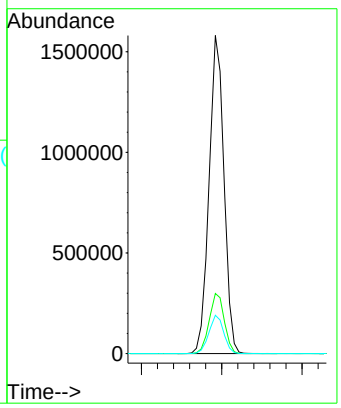
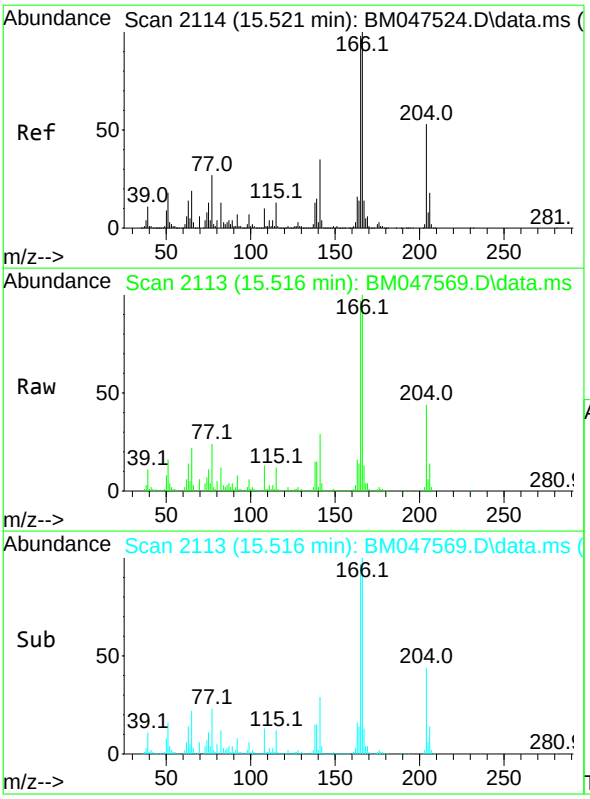


#60
Diethylphthalate
Concen: 45.676 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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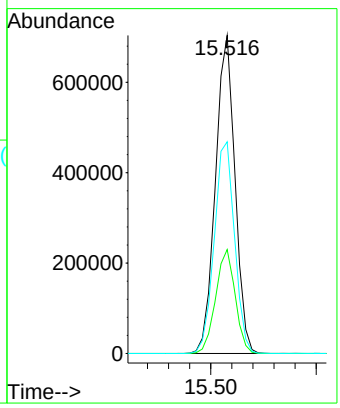
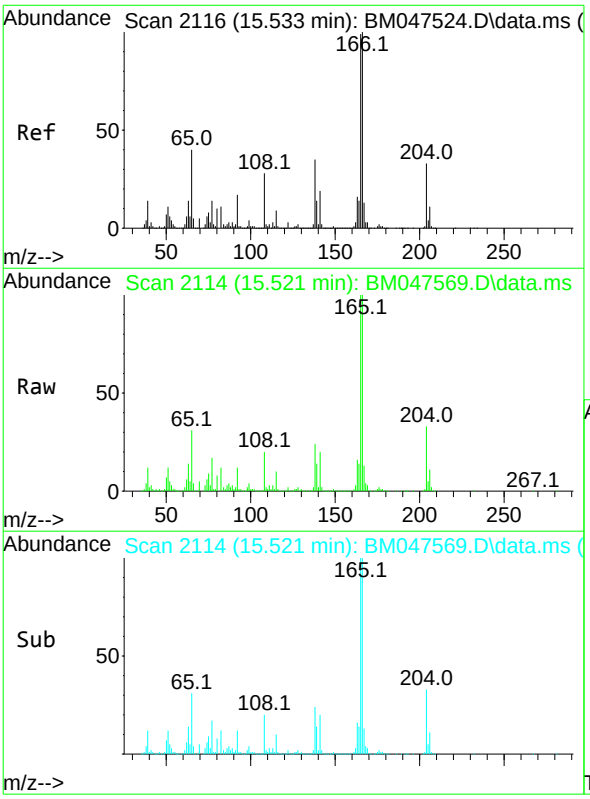
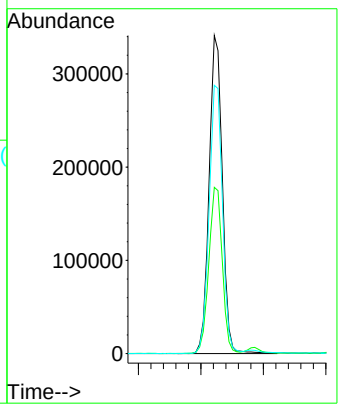


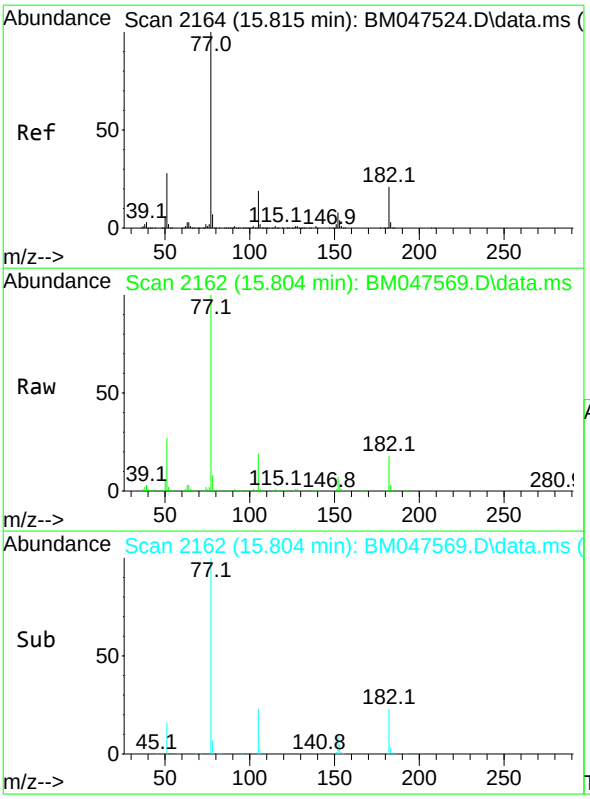


#62
4-Nitroaniline
Concen: 43.457 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

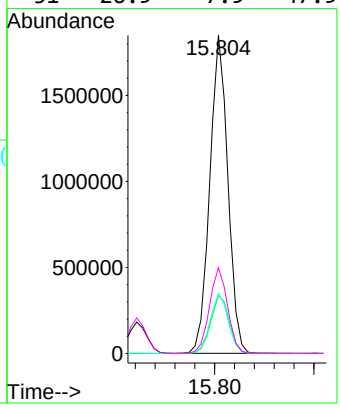




#63
Azobenzene
Concen: 47.573 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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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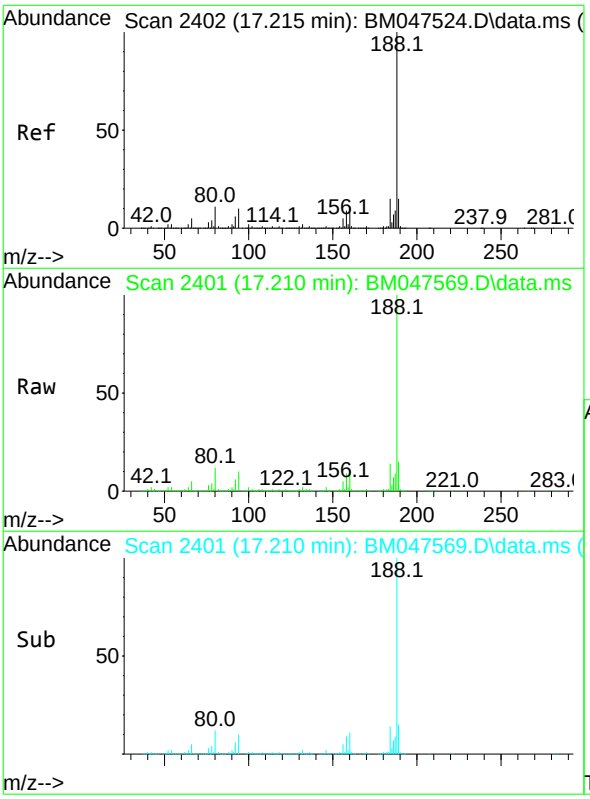
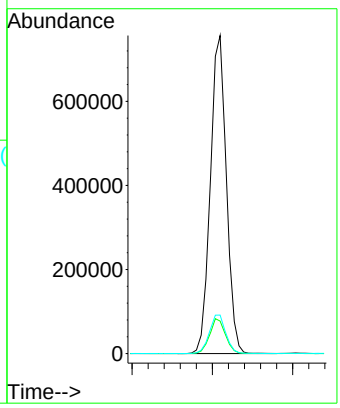
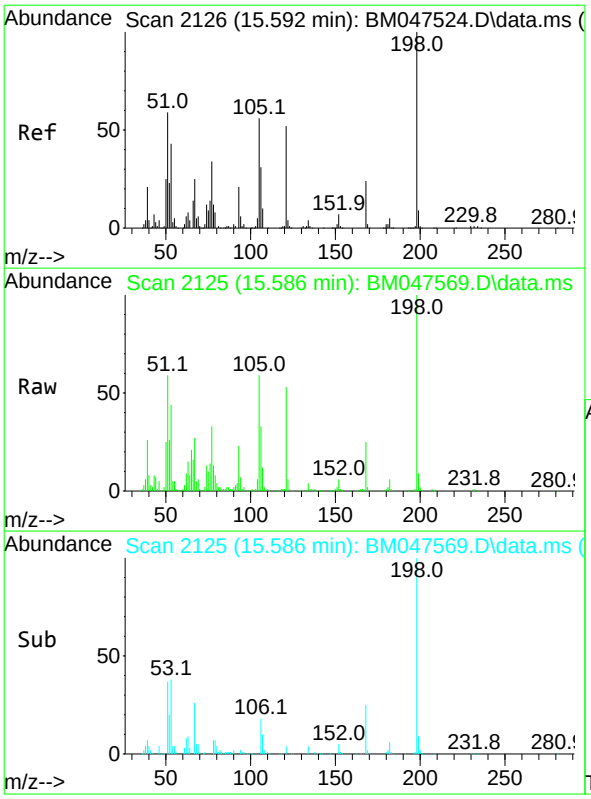


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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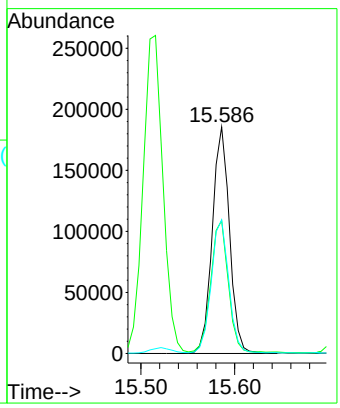
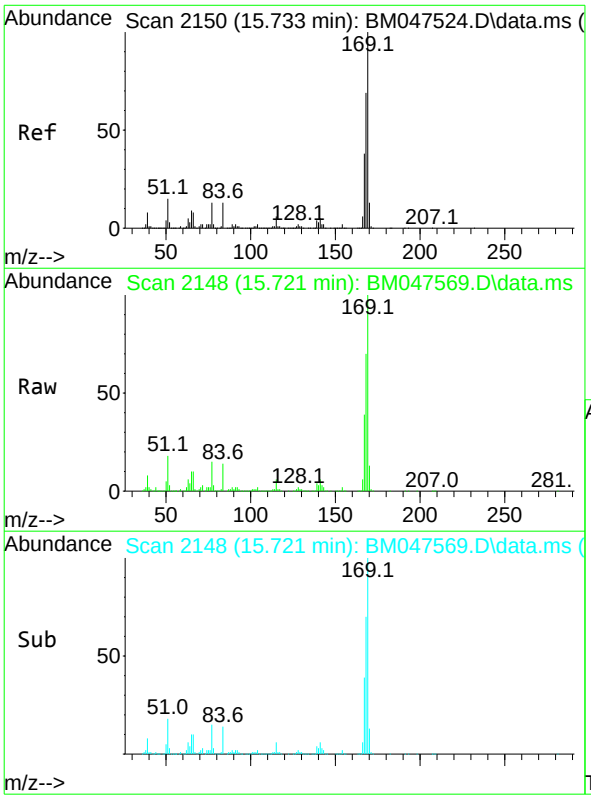
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

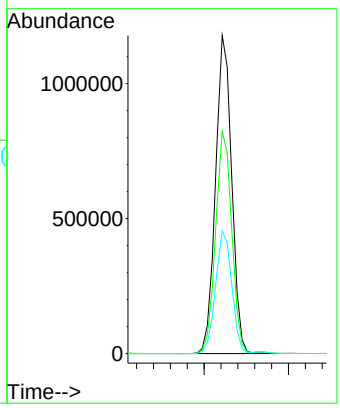


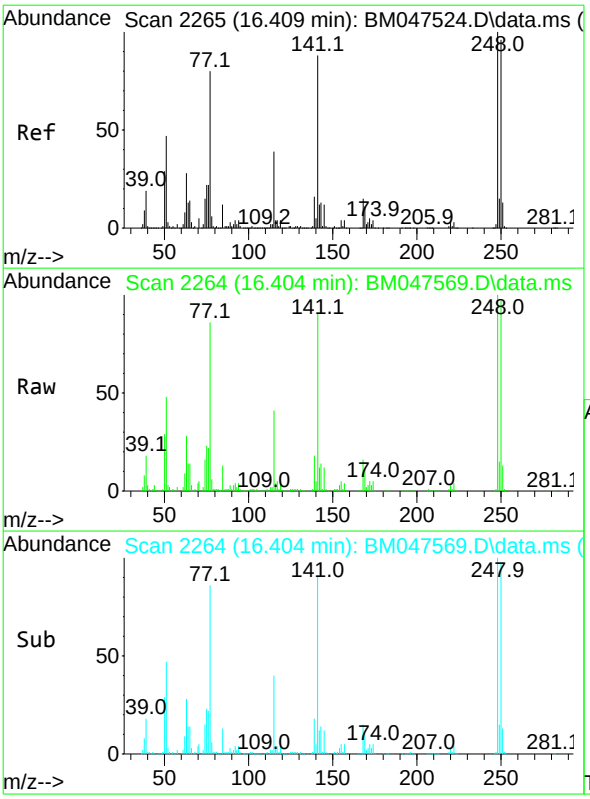


#66
n-Nitrosodiphenylamine
Concen: 48.797 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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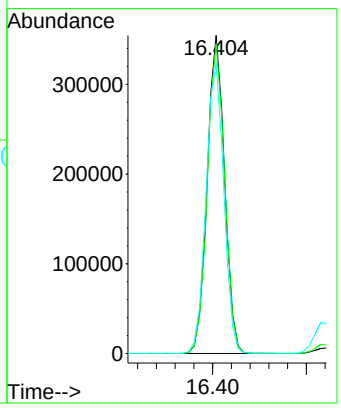
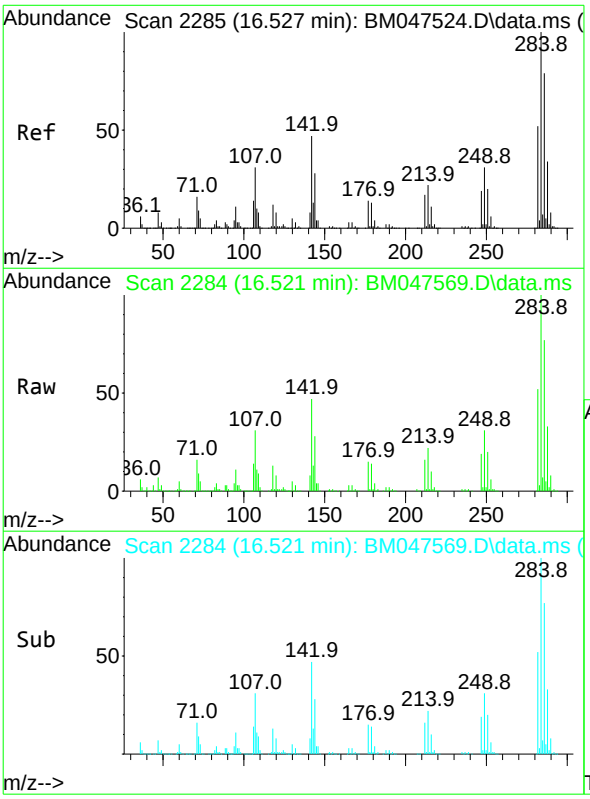
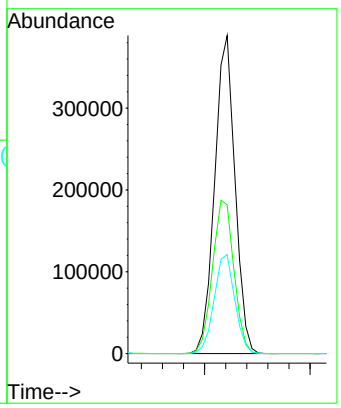


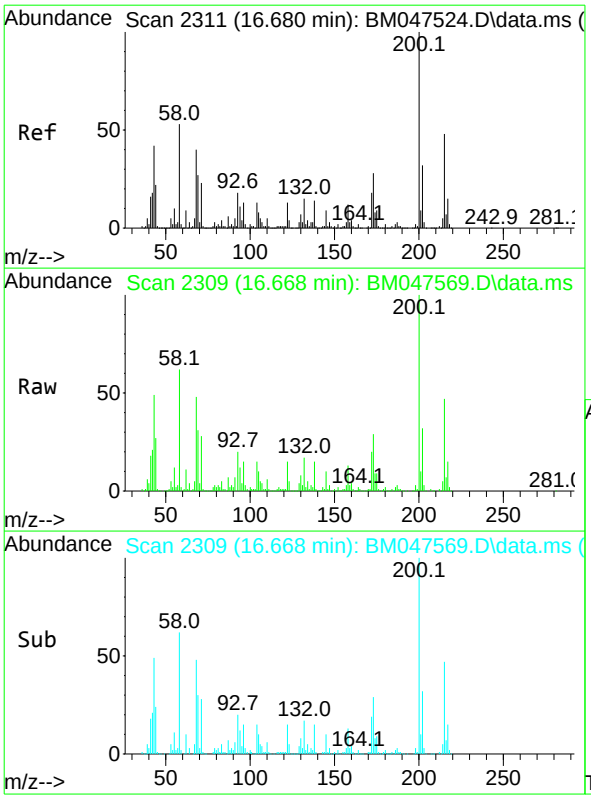


#68
Hexachlorobenzene
Concen: 45.080 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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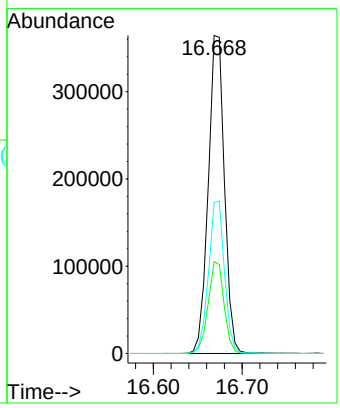
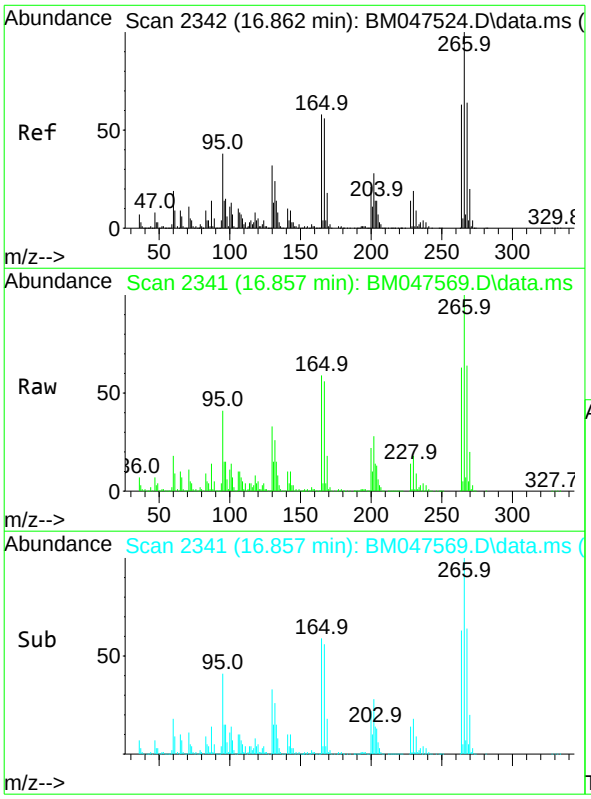
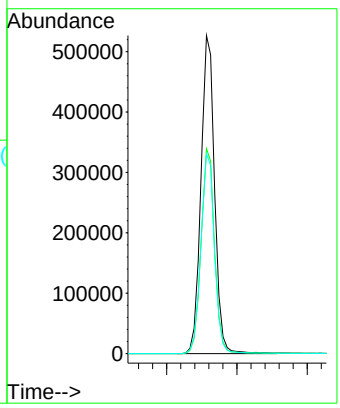


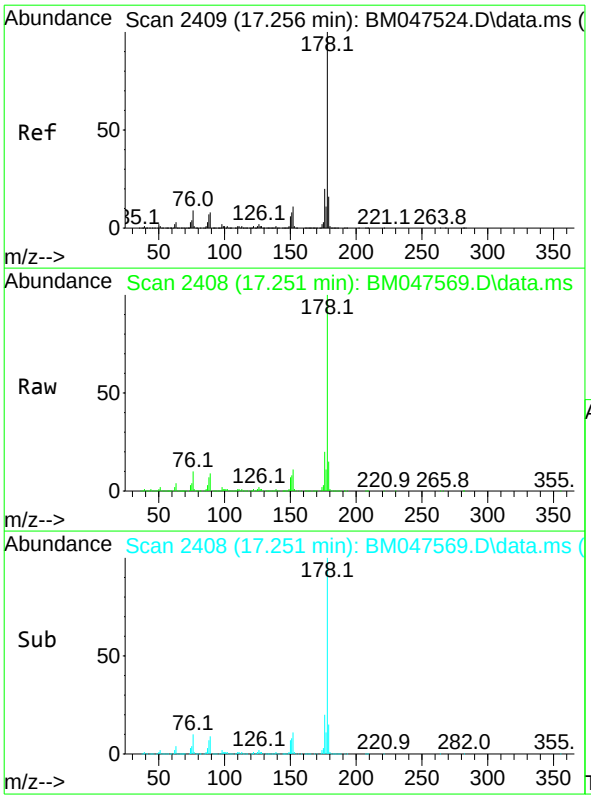


#70
Pentachlorophenol
Concen: 105.917 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

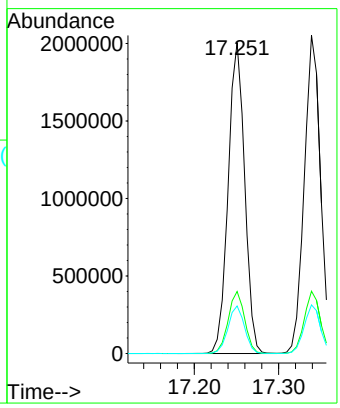




#71
Phenanthrene
Concen: 47.134 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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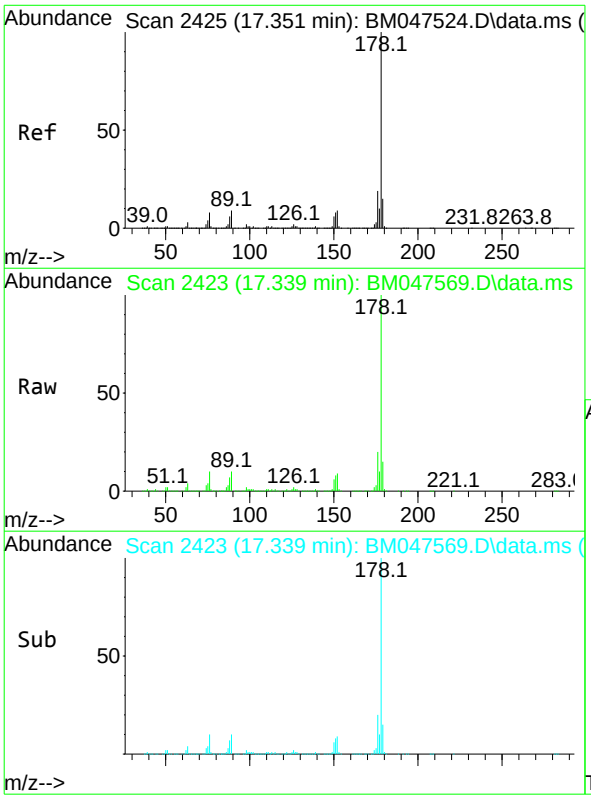
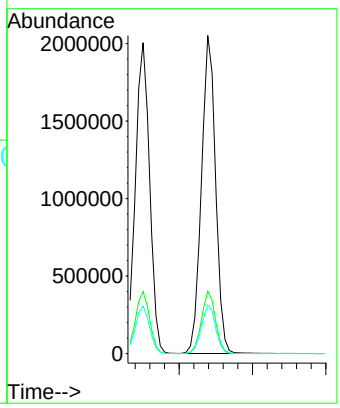
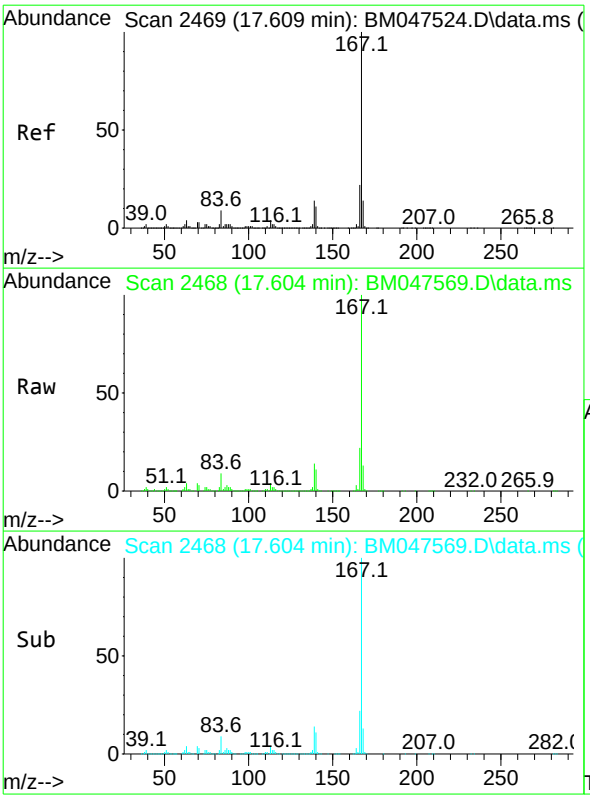


#72
Anthracene
Concen: 49.502 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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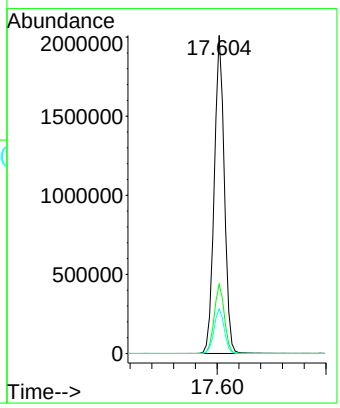
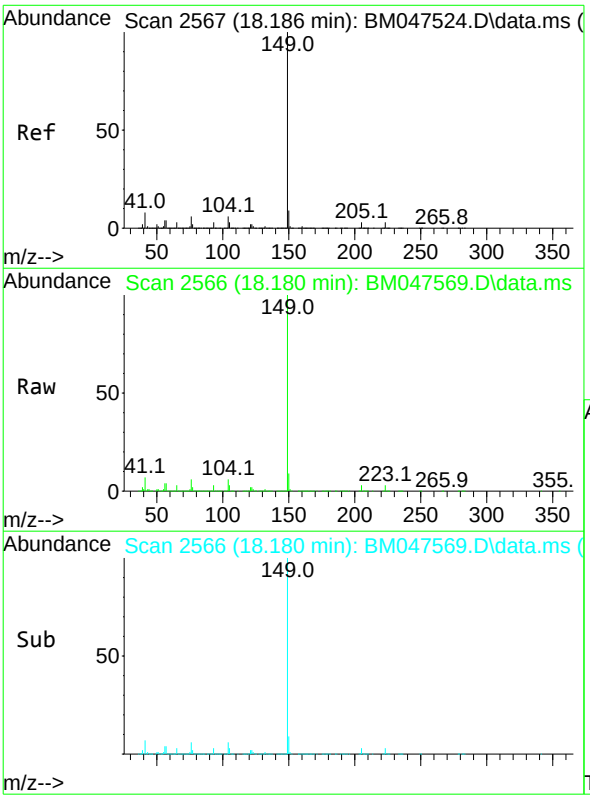
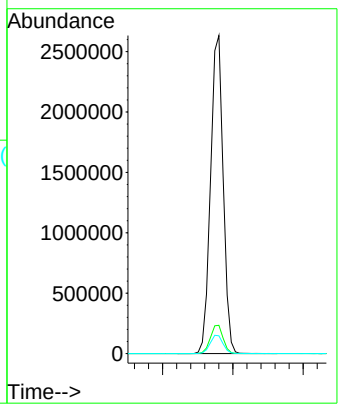


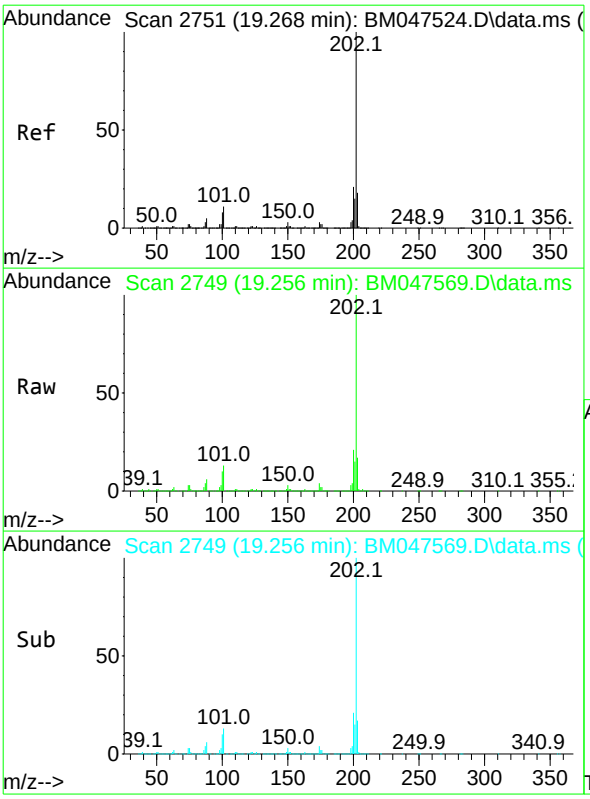


#74
Di-n-butylphthalate
Concen: 49.847 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

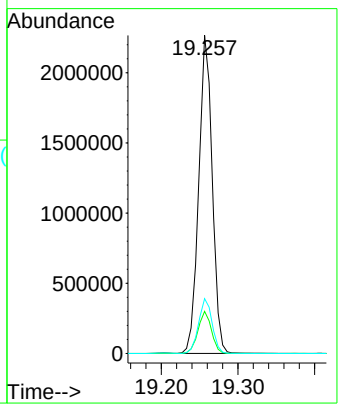




#75
Fluoranthene
Concen: 43.979 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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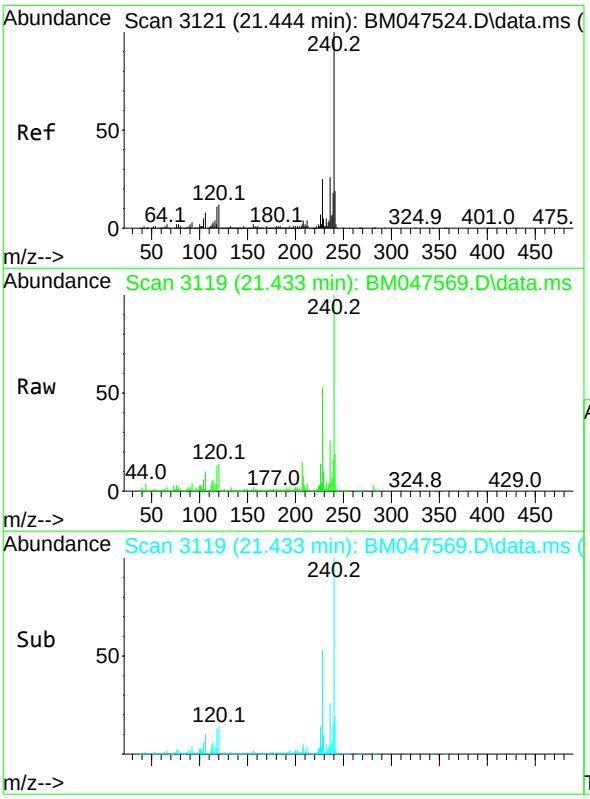
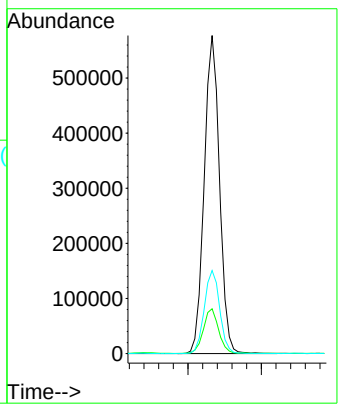
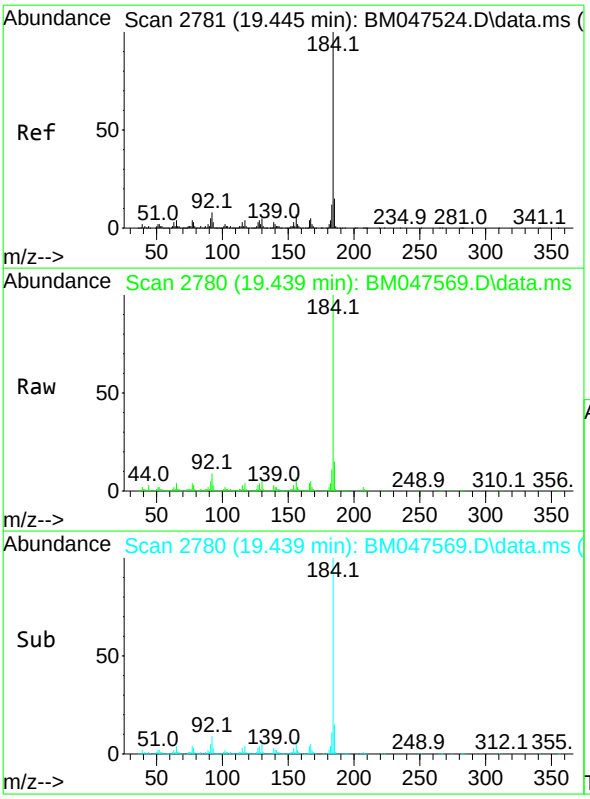


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Manual Integrations
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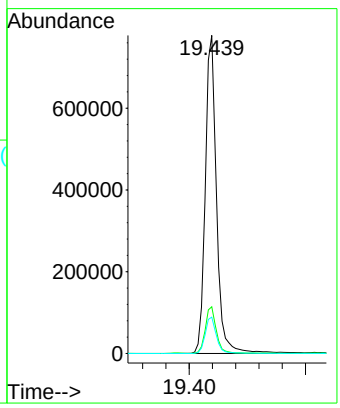
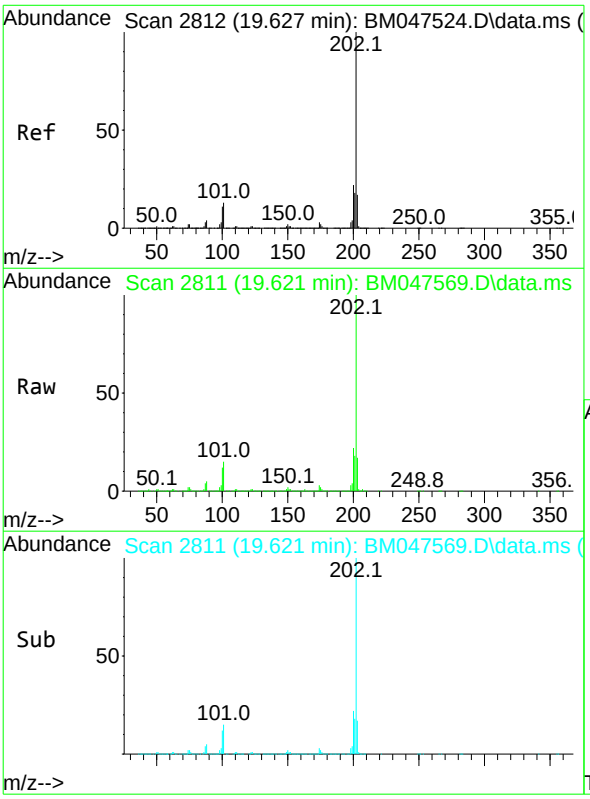
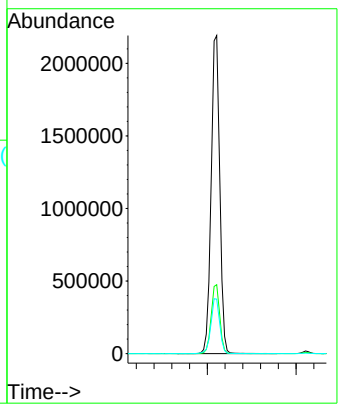


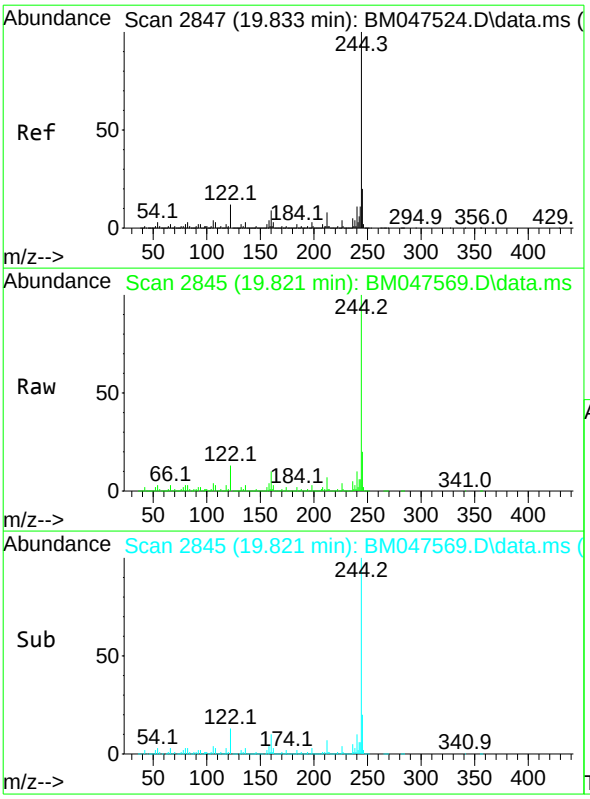


#78
Pyrene
Concen: 48.256 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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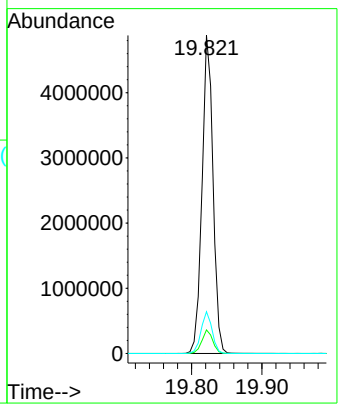
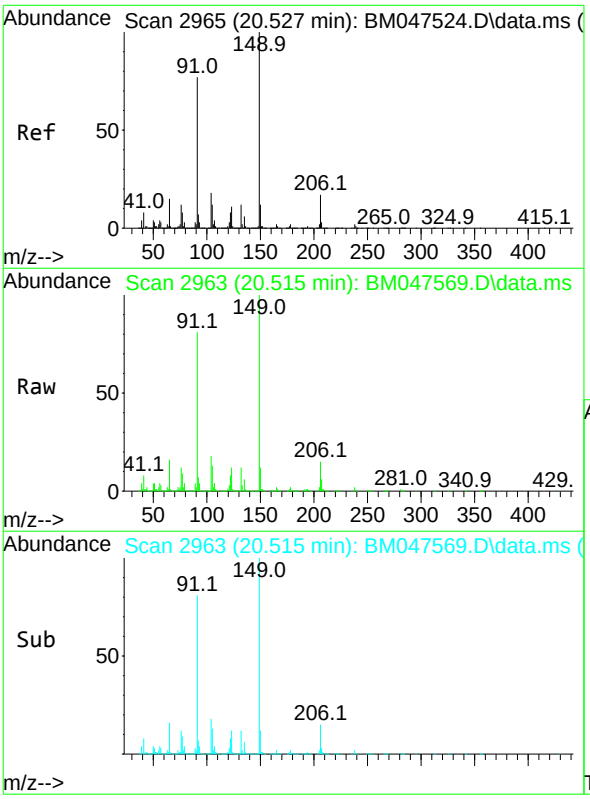
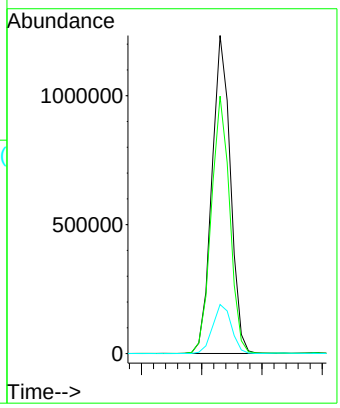


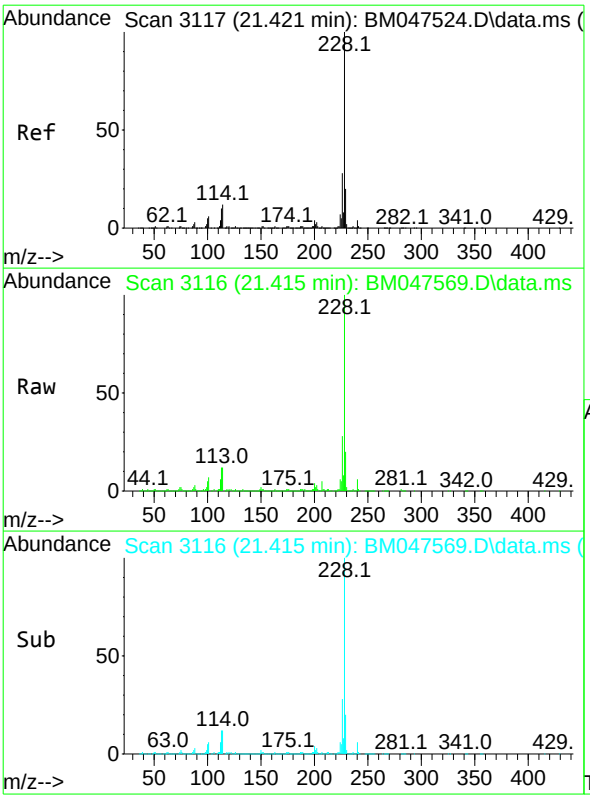


#80
Butylbenzylphthalate
Concen: 56.247 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

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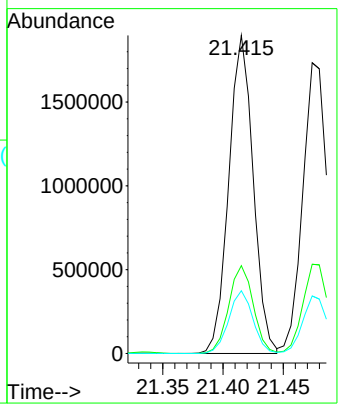
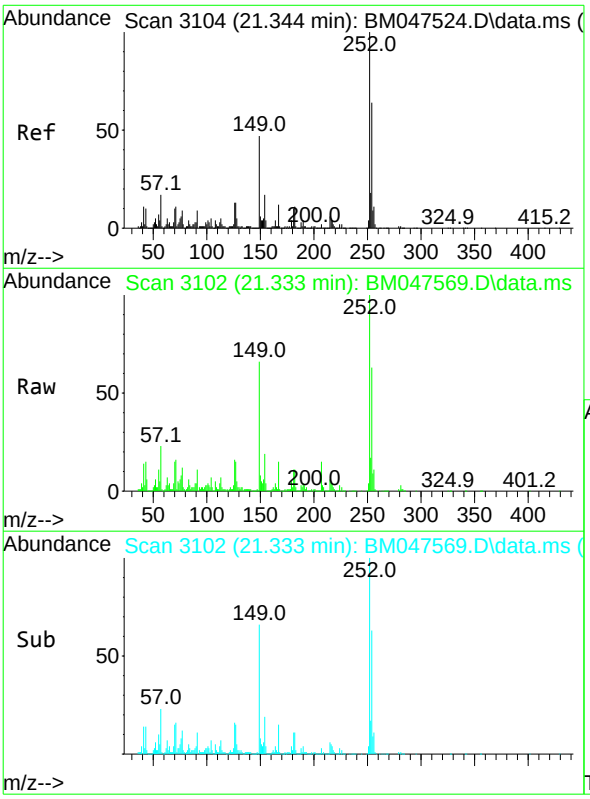
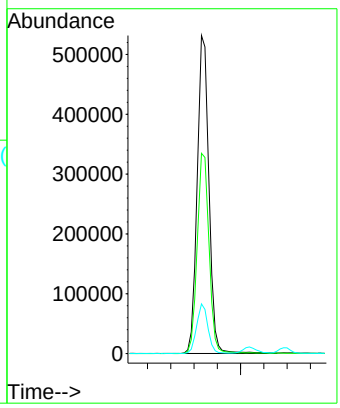


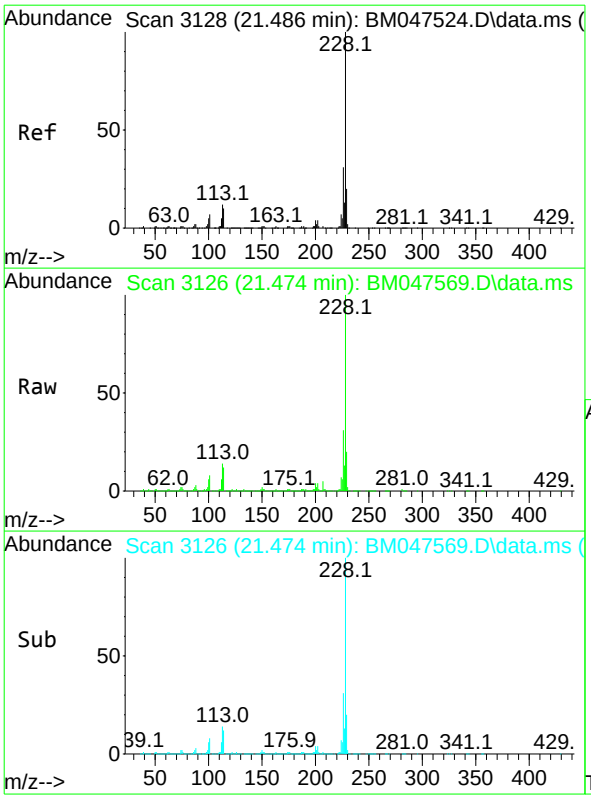


#82
3,3'-Dichlorobenzidine
Concen: 51.351 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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#

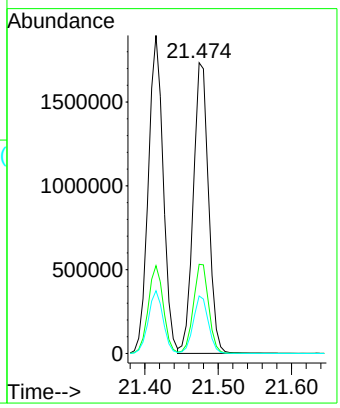




#83
Chrysene
Concen: 48.559 ng
RT: 21.474 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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 :
BNA_M
ClientSampleId :
PB163318BSD

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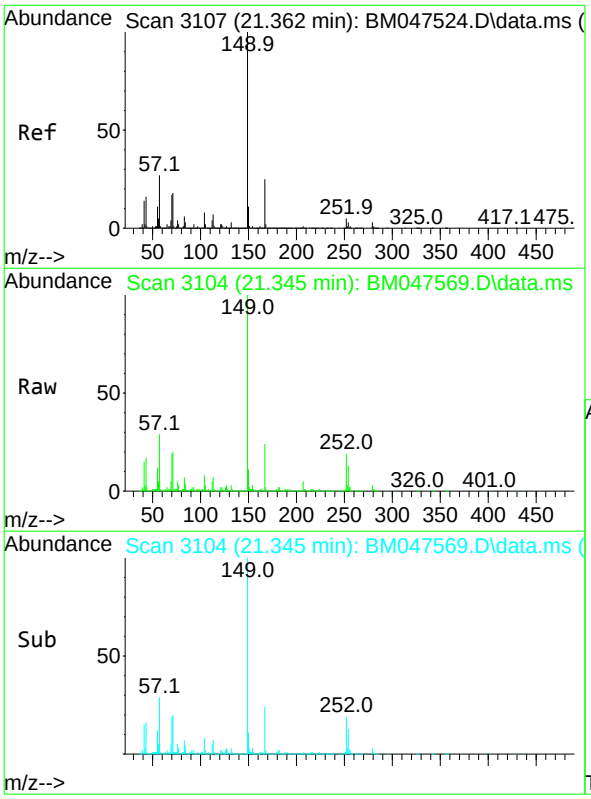
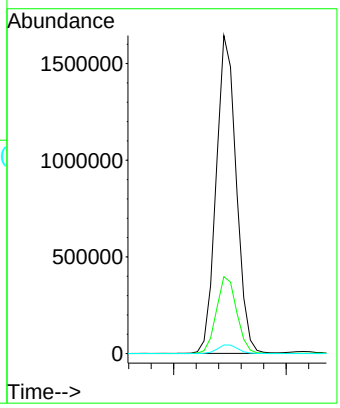
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

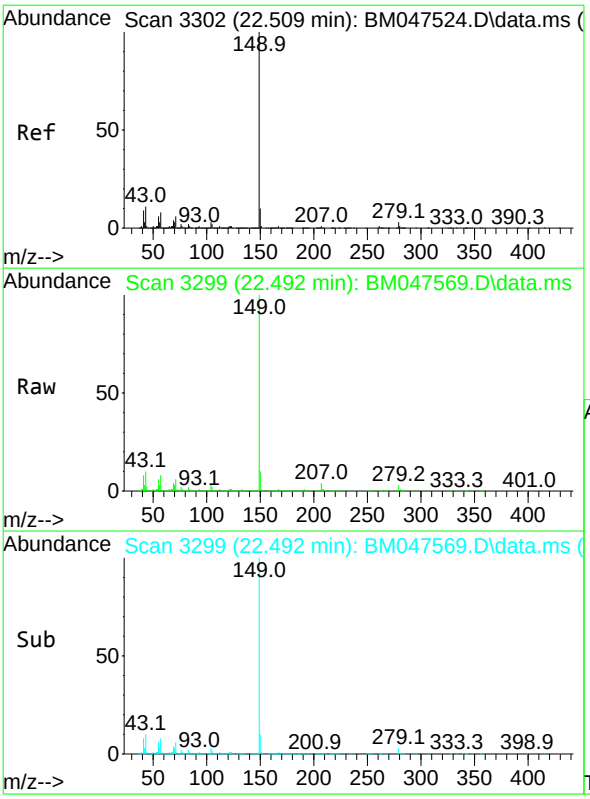


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.465 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

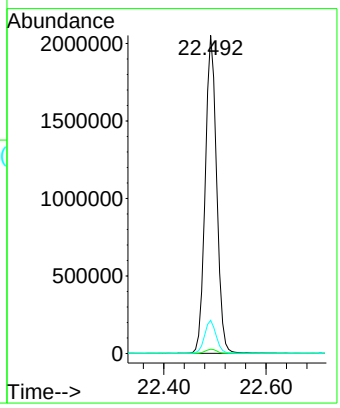
Tgt Ion:149 Resp: 3174143

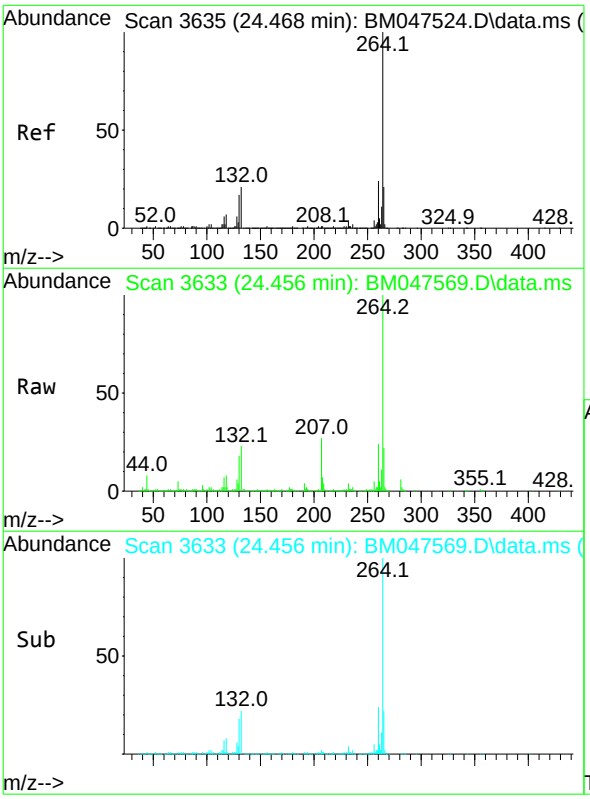
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	10.4	8.9	13.3

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

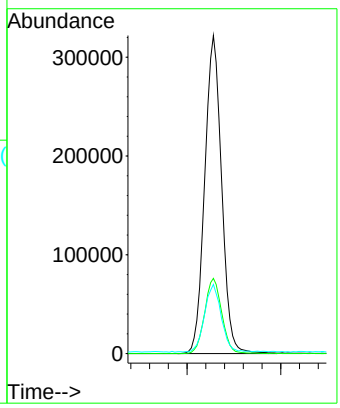


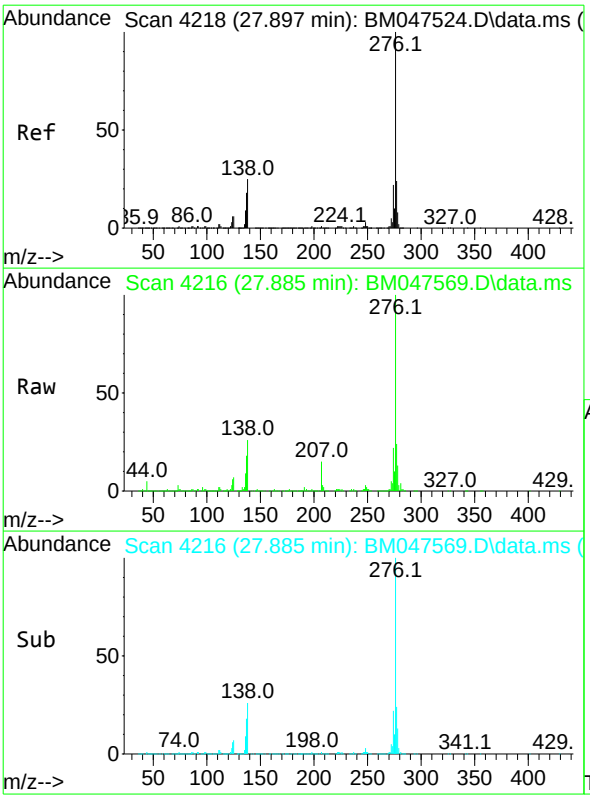


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

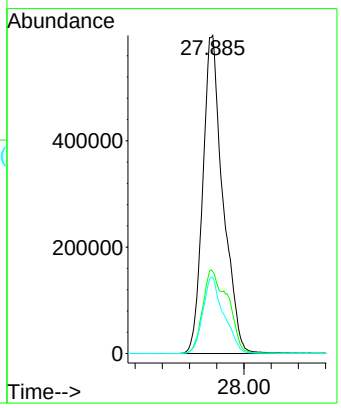
Instrument :
BNA_M
ClientSampleId :
PB163318BSD

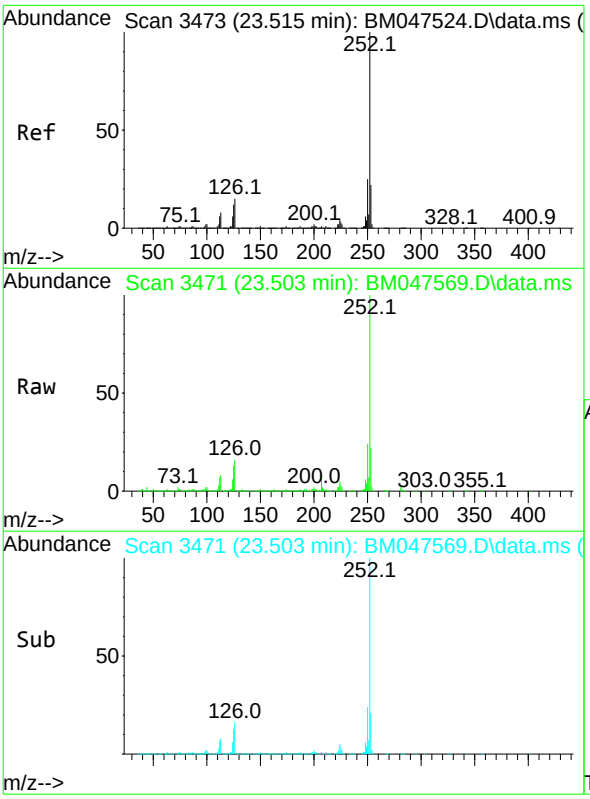
Tgt Ion:276 Resp: 3072358

Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.0	37.6
277	24.9	20.1	30.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

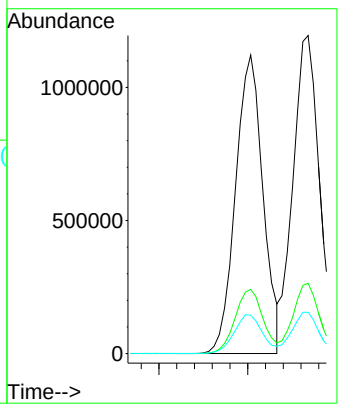


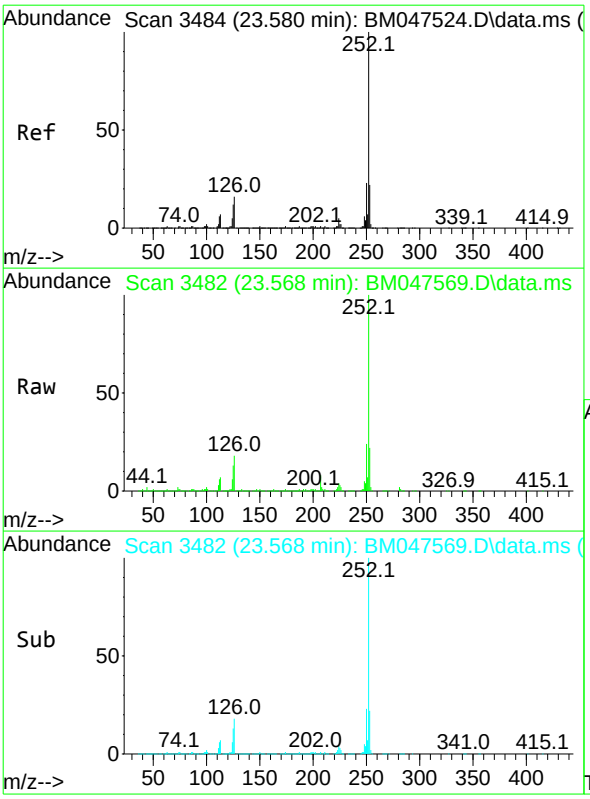


#88
Benzo(b)fluoranthene
Concen: 46.105 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

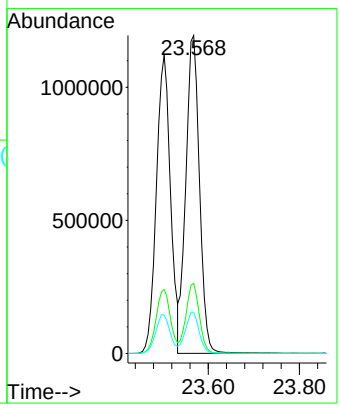
Tgt Ion:252 Resp: 2482785

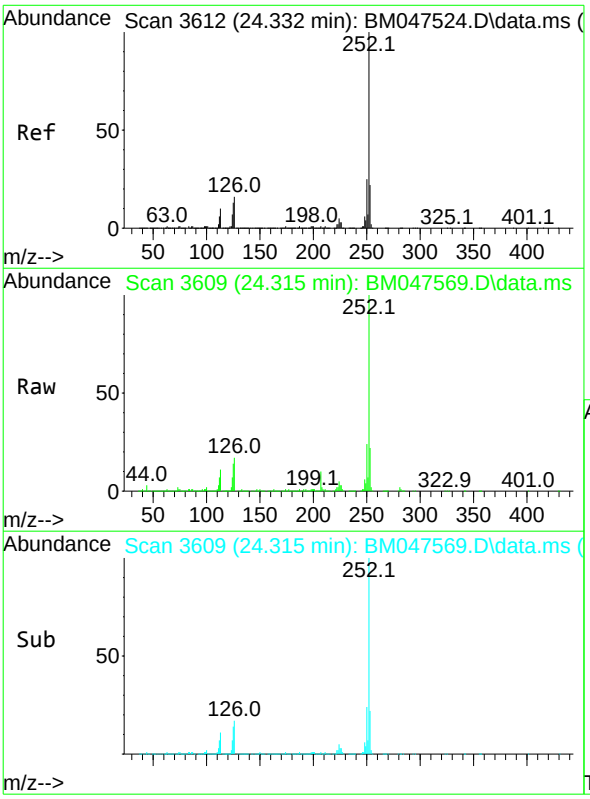
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	13.0	9.5	14.3

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

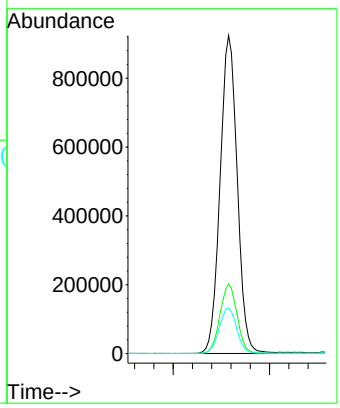


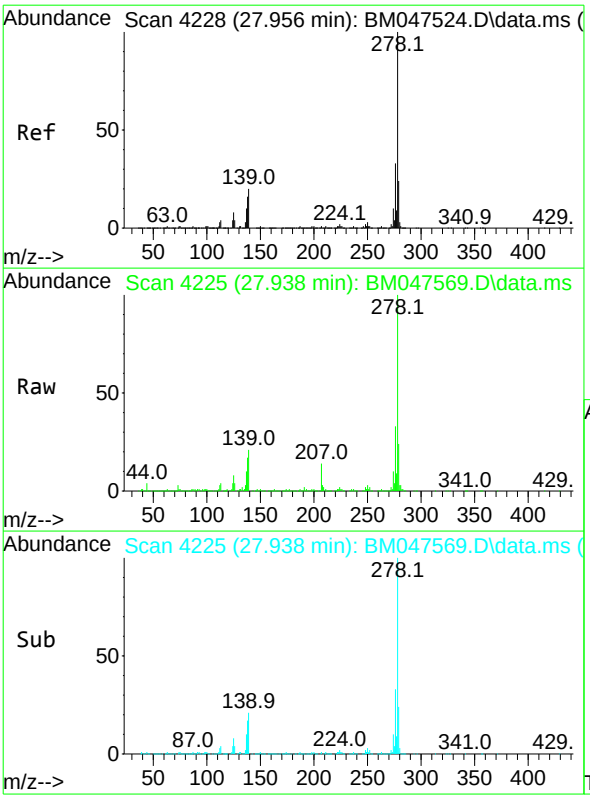


#90
Benzo(a)pyrene
Concen: 53.357 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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

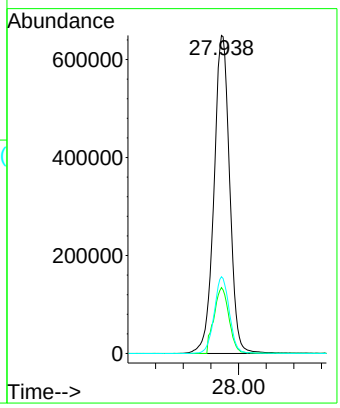
Instrument :
BNA_M
ClientSampleId :
PB163318BSD

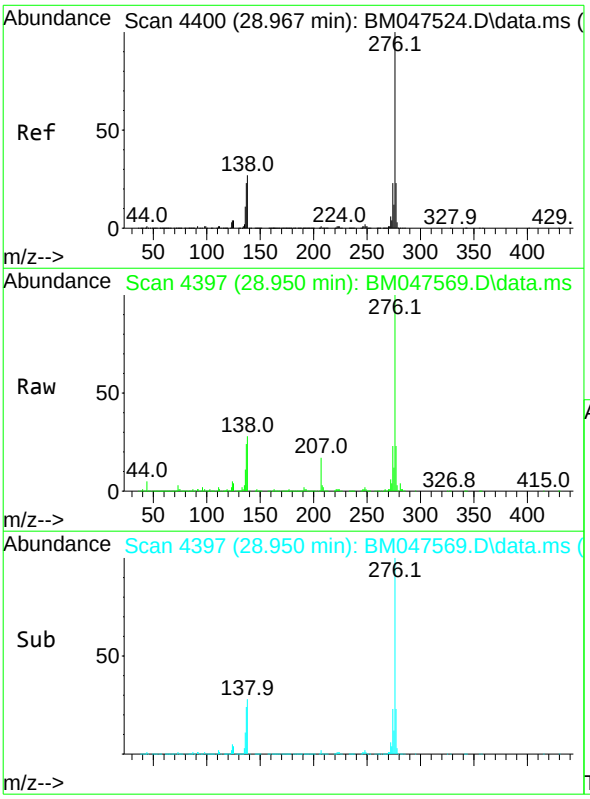
Tgt Ion:278 Resp: 2557213

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

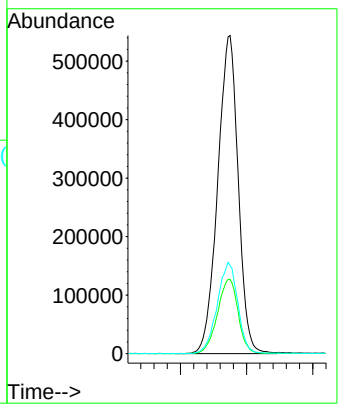




#92
Benzo(g,h,i)perylene
Concen: 58.988 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

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



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

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:	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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Manual Integration Report

Sequence:	BM092024	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM047582.D	Acenaphthene	Jagrut	9/20/2024 5:11:47 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC005	BM047582.D	Benzaldehyde	Jagrut	9/20/2024 5:11:47 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC005	BM047582.D	Benzoic acid	Jagrut	9/20/2024 5:11:47 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC010	BM047583.D	Acenaphthene	Jagrut	9/20/2024 5:11:49 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC010	BM047583.D	Benzaldehyde	Jagrut	9/20/2024 5:11:49 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC010	BM047583.D	Benzoic acid	Jagrut	9/20/2024 5:11:49 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC020	BM047584.D	Acenaphthene	Jagrut	9/20/2024 5:11:51 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICCC040	BM047585.D	Acenaphthene	Jagrut	9/20/2024 5:11:54 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC050	BM047586.D	Acenaphthene	Jagrut	9/20/2024 5:11:56 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC050	BM047586.D	Pyridine	Jagrut	9/20/2024 5:11:56 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC060	BM047587.D	Acenaphthene	Jagrut	9/20/2024 5:11:58 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC060	BM047587.D	Pyridine	Jagrut	9/20/2024 5:11:58 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICC080	BM047588.D	Acenaphthene	Jagrut	9/20/2024 5:12:00 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM092024	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BM047588.D	Pyridine	Jagrut	9/20/2024 5:12:00 PM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDICV040	BM047589.D	Acenaphthene	Jagrut	9/23/2024 10:33:35 AM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDCCC040	BM047596.D	2,2"-oxybis(1-Chloropropane)	Jagrut	9/23/2024 10:33:47 AM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software
SSTDCCC040	BM047596.D	Acenaphthene	Jagrut	9/23/2024 10:33:47 AM	mohammad	9/24/2024 2:38:17 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM092324	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM047598.D	2,2"-oxybis(1-Chloropropane)	yogesh	9/25/2024 2:51:13 AM	mohammad	9/25/2024 4:12:26 AM	Peak Integrated by Software
SSTDCCC040	BM047598.D	Acenaphthene	yogesh	9/25/2024 2:51:13 AM	mohammad	9/25/2024 4:12:26 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

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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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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM092024

Review By	Jagrut	Review On	9/20/2024 5:12:33 PM				
Supervise By	mohammad	Supervise On	9/24/2024 2:38:18 AM				
SubDirectory	BM092024	HP Acquire Method	BNA_M			HP Processing Method	bm092024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047580.D	20 Sep 2024 08:49	RC/JU	Ok
2	SSTDICC2.5	BM047581.D	20 Sep 2024 09:40	RC/JU	Ok
3	SSTDICC005	BM047582.D	20 Sep 2024 10:20	RC/JU	Ok,M
4	SSTDICC010	BM047583.D	20 Sep 2024 11:00	RC/JU	Ok,M
5	SSTDICC020	BM047584.D	20 Sep 2024 11:39	RC/JU	Ok,M
6	SSTDICCC040	BM047585.D	20 Sep 2024 12:19	RC/JU	Ok,M
7	SSTDICC050	BM047586.D	20 Sep 2024 12:58	RC/JU	Ok,M
8	SSTDICC060	BM047587.D	20 Sep 2024 13:38	RC/JU	Ok,M
9	SSTDICC080	BM047588.D	20 Sep 2024 14:17	RC/JU	Ok,M
10	SSTDICV040	BM047589.D	20 Sep 2024 15:01	RC/JU	Ok,M
11	PB163138BL	BM047590.D	20 Sep 2024 15:41	RC/JU	Ok
12	P2403-03	BM047591.D	20 Sep 2024 16:21	RC/JU	Ok,M
13	P2403-03	BM047592.D	20 Sep 2024 17:00	RC/JU	Ok,M
14	P2403-09	BM047593.D	20 Sep 2024 17:40	RC/JU	Ok,M
15	P2403-09	BM047594.D	20 Sep 2024 18:20	RC/JU	Ok,M
16	PB163139BL	BM047595.D	20 Sep 2024 19:00	RC/JU	Ok
17	SSTDCCC040	BM047596.D	20 Sep 2024 19:39	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM092324

Review By	yogesh	Review On	9/25/2024 2:51:31 AM				
Supervise By	mohammad	Supervise On	9/25/2024 4:12:26 AM				
SubDirectory	BM092324	HP Acquire Method	BNA_M		HP Processing Method	bm092024	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047597.D	23 Sep 2024 08:47	RC/JU	Ok
2	SSTDCCC040	BM047598.D	23 Sep 2024 09:42	RC/JU	Ok,M
3	PB163525BL	BM047599.D	23 Sep 2024 10:24	RC/JU	Ok
4	PB163344BL	BM047600.D	23 Sep 2024 11:04	RC/JU	Not Ok
5	P3845-22	BM047601.D	23 Sep 2024 11:43	RC/JU	Ok
6	P4135-01MS	BM047602.D	23 Sep 2024 13:46	RC/JU	Ok,M
7	P4135-01MSD	BM047603.D	23 Sep 2024 14:25	RC/JU	Ok,M
8	P4135-01	BM047604.D	23 Sep 2024 15:04	RC/JU	Ok
9	P4139-01	BM047605.D	23 Sep 2024 15:44	RC/JU	Ok
10	P4139-02	BM047606.D	23 Sep 2024 16:23	RC/JU	Ok
11	P4138-01	BM047607.D	23 Sep 2024 17:03	RC/JU	Ok,M
12	P4142-01	BM047608.D	23 Sep 2024 17:42	RC/JU	Ok,M
13	P4146-01	BM047609.D	23 Sep 2024 18:21	RC/JU	Ok,M
14	PB163606BS	BM047610.D	23 Sep 2024 19:05	RC/JU	Ok,M
15	PB163606BL	BM047611.D	23 Sep 2024 19:44	RC/JU	Ok

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

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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

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM092024

Review By	Jagrut	Review On	9/20/2024 5:12:33 PM		
Supervise By	mohammad	Supervise On	9/24/2024 2:38:18 AM		
SubDirectory	BM092024	HP Acquire Method	BNA_M	HP Processing Method	bm092024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12316,10ul/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	BM047580.D	20 Sep 2024 08:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM047581.D	20 Sep 2024 09:40		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM047582.D	20 Sep 2024 10:20	Compound#54,65 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM047583.D	20 Sep 2024 11:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM047584.D	20 Sep 2024 11:39	The Calibration is Good for 8270 DOD and 625.1 Except Benzidine	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM047585.D	20 Sep 2024 12:19	Benzidine failed in the ICAL.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM047586.D	20 Sep 2024 12:58		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM047587.D	20 Sep 2024 13:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM047588.D	20 Sep 2024 14:17		RC/JU	Ok,M
10	SSTDICV040	ICVBM092024	BM047589.D	20 Sep 2024 15:01		RC/JU	Ok,M
11	PB163138BL	PB163138BL	BM047590.D	20 Sep 2024 15:41		RC/JU	Ok
12	P2403-03	MDL-SOIL-03-QT2-202	BM047591.D	20 Sep 2024 16:21	MDL-SOIL-4 ppm	RC/JU	Ok,M
13	P2403-03	MDL-SOIL-03-QT2-202	BM047592.D	20 Sep 2024 17:00	MDL-SOIL-8 ppm	RC/JU	Ok,M
14	P2403-09	MDL-WATER-03-QT2-2	BM047593.D	20 Sep 2024 17:40	MDL-WATER-4 ppm	RC/JU	Ok,M
15	P2403-09	MDL-WATER-03-QT2-2	BM047594.D	20 Sep 2024 18:20	MDL-WATER-8 ppm	RC/JU	Ok,M
16	PB163139BL	PB163139BL	BM047595.D	20 Sep 2024 19:00		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BM047596.D	20 Sep 2024 19:39		RC/JU	Ok,M

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM092024

Review By	Jagrut	Review On	9/20/2024 5:12:33 PM		
Supervise By	mohammad	Supervise On	9/24/2024 2:38:18 AM		
SubDirectory	BM092024	HP Acquire Method	BNA_M	HP Processing Method	bm092024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM092324

Review By	yogesh	Review On	9/25/2024 2:51:31 AM		
Supervise By	mohammad	Supervise On	9/25/2024 4:12:26 AM		
SubDirectory	BM092324	HP Acquire Method	BNA_M	HP Processing Method	bm092024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12316,10ul/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	BM047597.D	23 Sep 2024 08:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047598.D	23 Sep 2024 09:42		RC/JU	Ok,M
3	PB163525BL	PB163525BL	BM047599.D	23 Sep 2024 10:24		RC/JU	Ok
4	PB163344BL	PB163344BL	BM047600.D	23 Sep 2024 11:04	Method is Fail for Com#77	RC/JU	Not Ok
5	P3845-22	RR-TRIAZINE-WP	BM047601.D	23 Sep 2024 11:43	PT Sample	RC/JU	Ok
6	P4135-01MS	S1-6MS	BM047602.D	23 Sep 2024 13:46		RC/JU	Ok,M
7	P4135-01MSD	S1-6MSD	BM047603.D	23 Sep 2024 14:25		RC/JU	Ok,M
8	P4135-01	S1-6	BM047604.D	23 Sep 2024 15:04		RC/JU	Ok
9	P4139-01	350	BM047605.D	23 Sep 2024 15:44		RC/JU	Ok
10	P4139-02	371	BM047606.D	23 Sep 2024 16:23		RC/JU	Ok
11	P4138-01	LIBERTY-AVE-TP-COM	BM047607.D	23 Sep 2024 17:03		RC/JU	Ok,M
12	P4142-01	OR-02-09202024	BM047608.D	23 Sep 2024 17:42		RC/JU	Ok,M
13	P4146-01	CL-02-092024	BM047609.D	23 Sep 2024 18:21		RC/JU	Ok,M
14	PB163606BS	PB163606BS	BM047610.D	23 Sep 2024 19:05		RC/JU	Ok,M
15	PB163606BL	PB163606BL	BM047611.D	23 Sep 2024 19:44		RC/JU	Ok

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 (Ext. Lab)	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

163318
8:40

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 8:40
Raw Sample Received by: RJ (Det lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 09/12/24 9:05
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (det lab)

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Prep Standard - Chemical Standard Summary

Order ID : P3845

Test : SVOCMS Group6

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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	08/31/2030	05/31/2024 / Jagrut	12/28/2022 / Christian	S10972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	08/31/2028	05/31/2024 / Jagrut	12/28/2022 / Christian	S10996

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10997

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10998

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10999

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11000

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11002

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0193449	10/26/2024	04/26/2024 / Rahul	01/13/2023 / Christian	S11012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-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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CHEMICAL RECEIPT LOG BOOK

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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CHEMICAL RECEIPT LOG BOOK

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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	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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CHEMICAL RECEIPT LOG BOOK

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

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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-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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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

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Chemist

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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
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S11089
to
S11093

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Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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

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Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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~~S11088~~ S11096 to S11099

Manufacturer's Quality System
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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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

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-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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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

S. Hunter

Certified By: _____

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 03/18/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

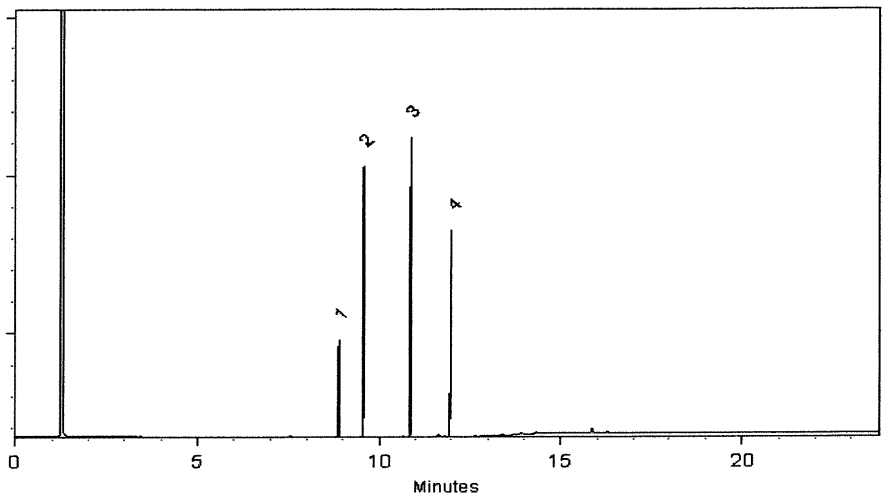
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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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Certificate #3222.02

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Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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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)

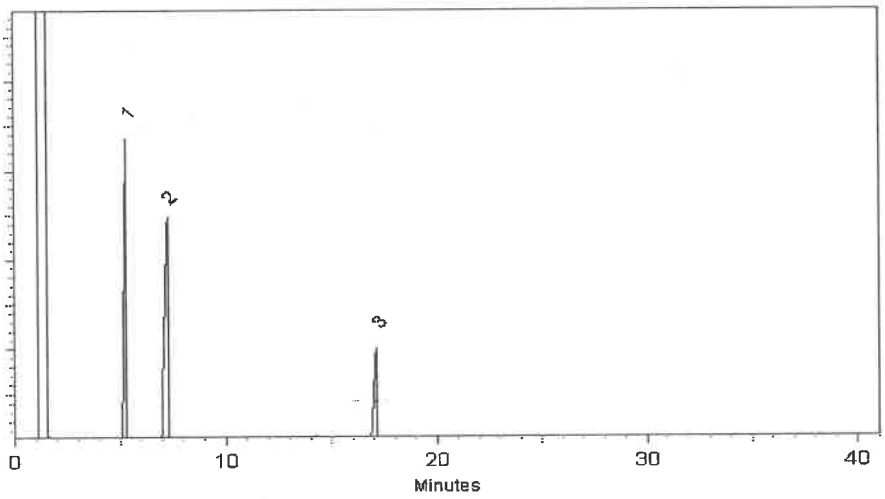
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

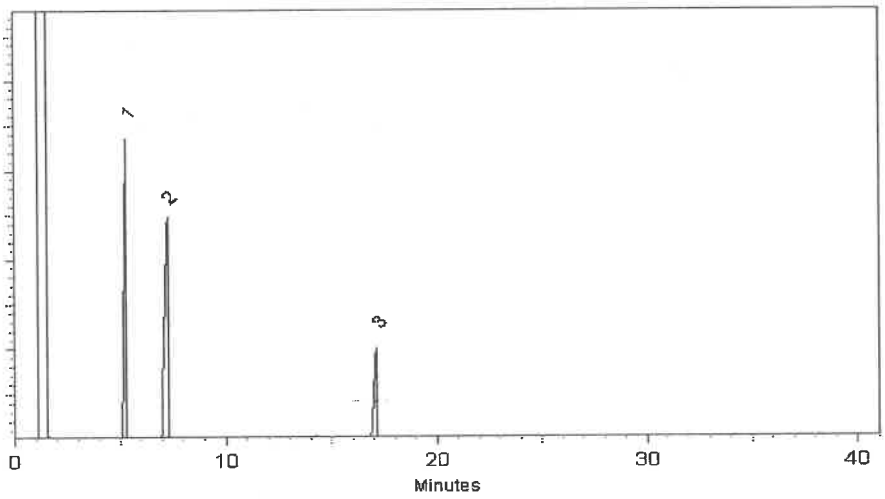
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

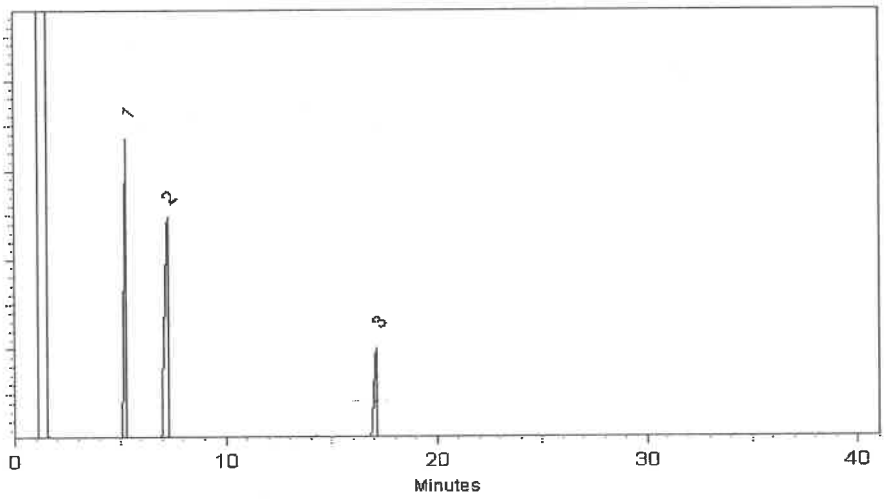
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

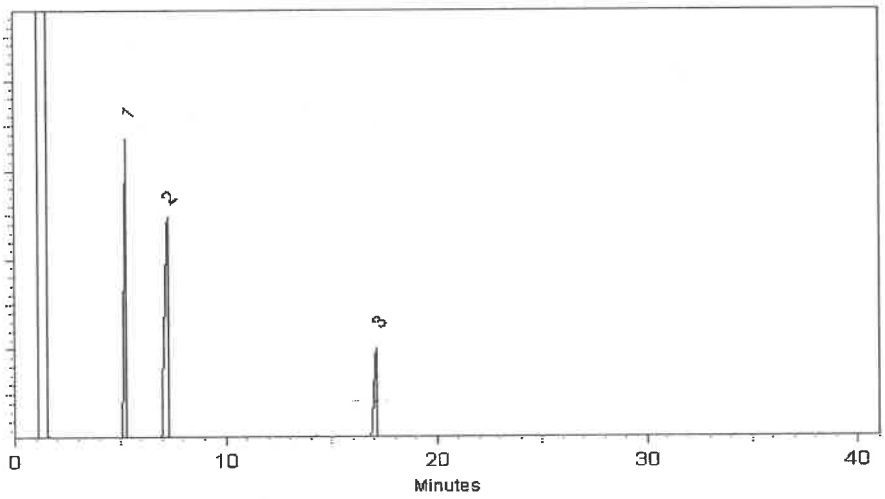
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

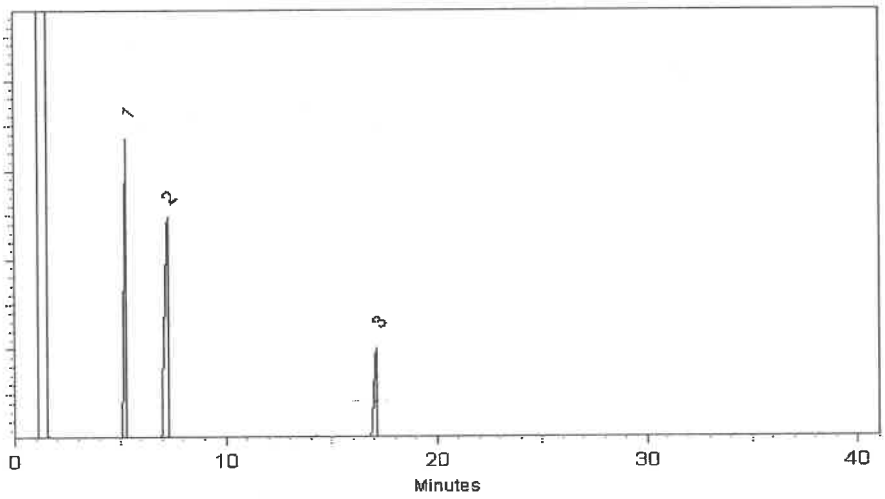
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

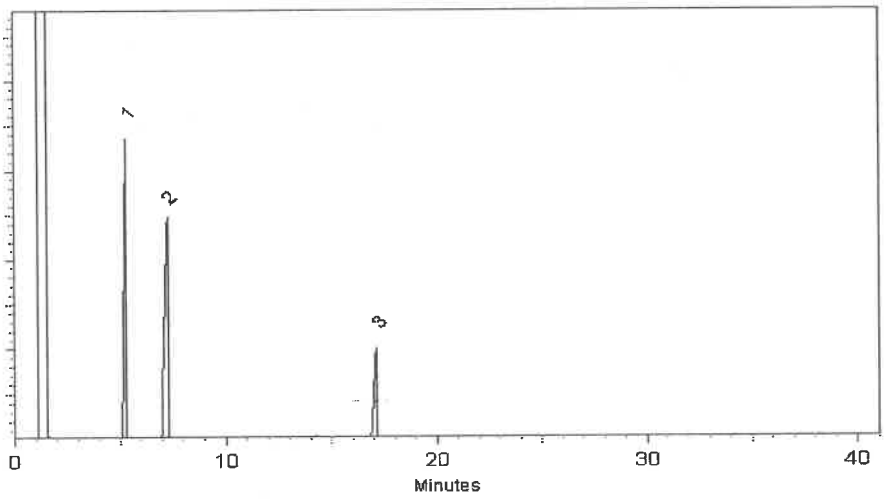
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

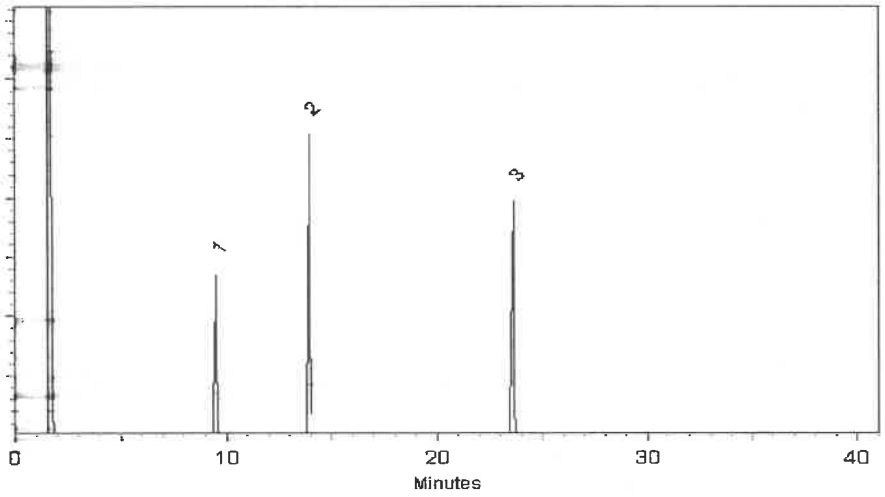
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

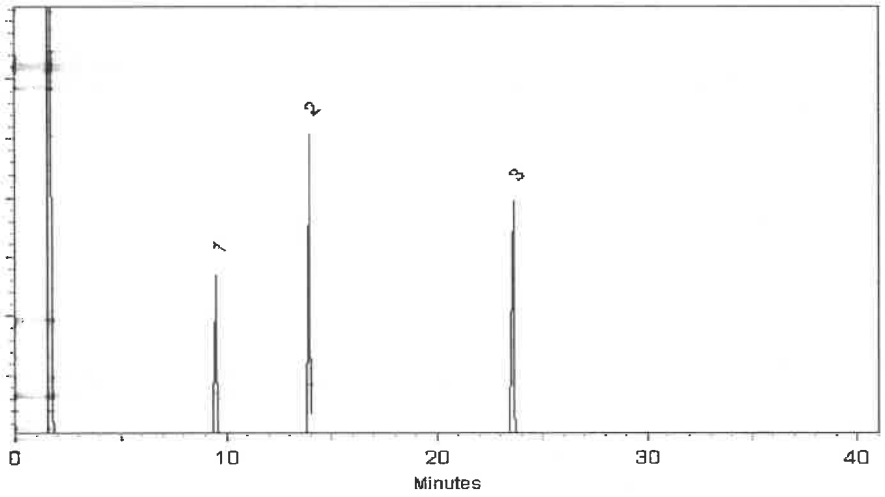
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

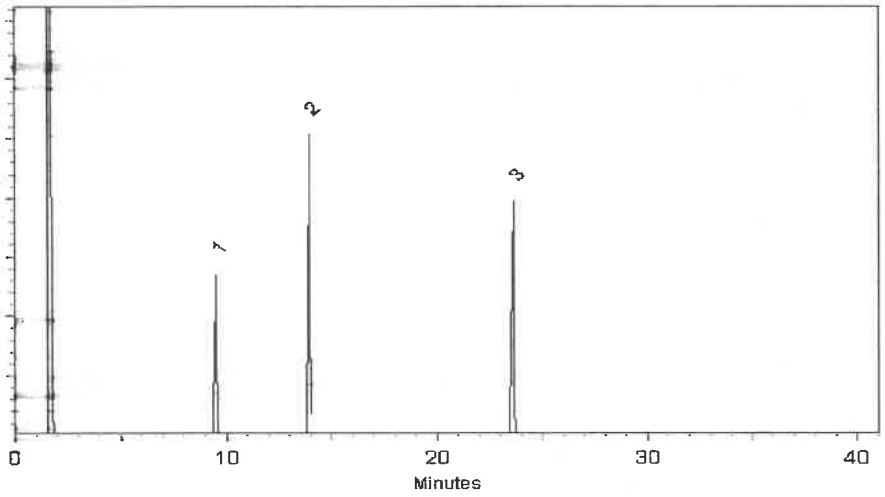
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

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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)

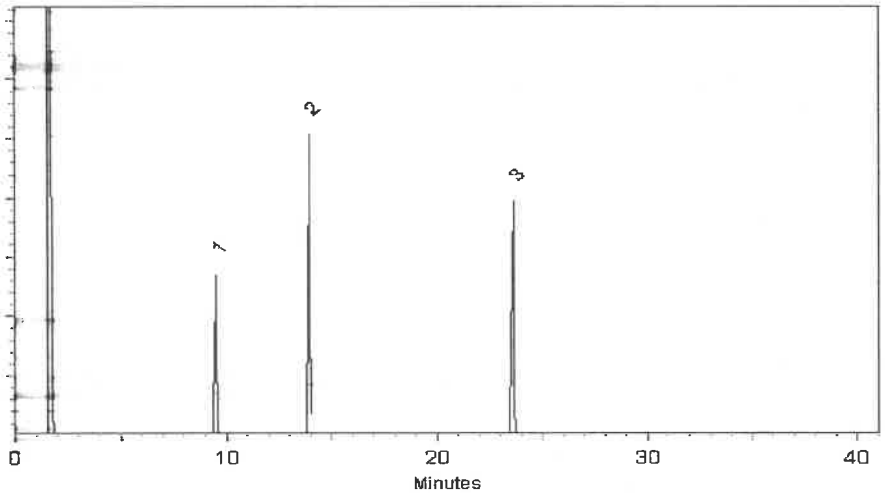
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

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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)

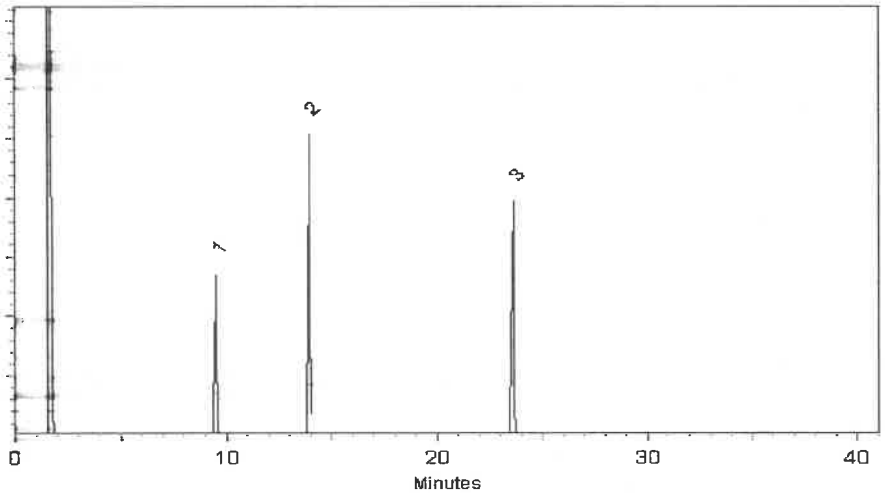
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

RESTEK
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

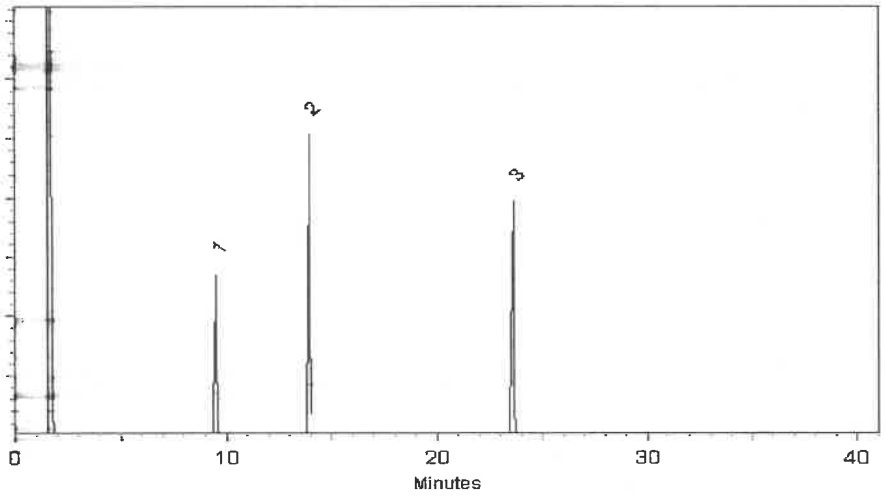
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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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)

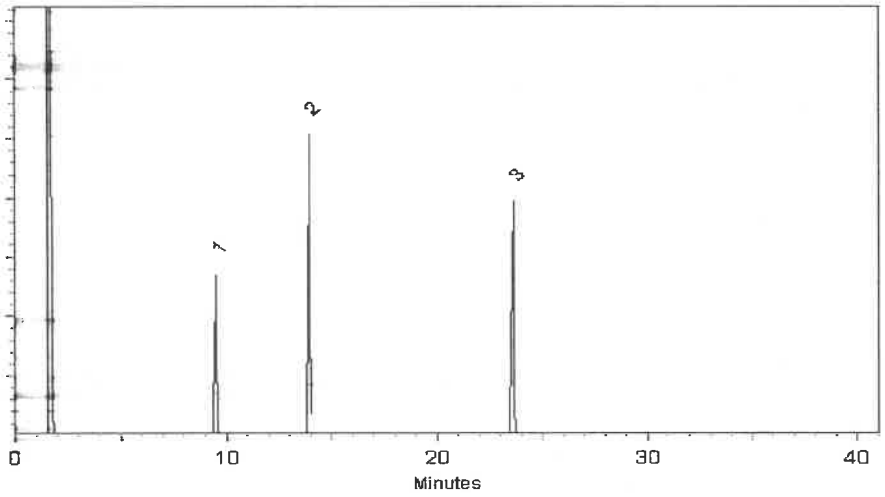
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

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Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

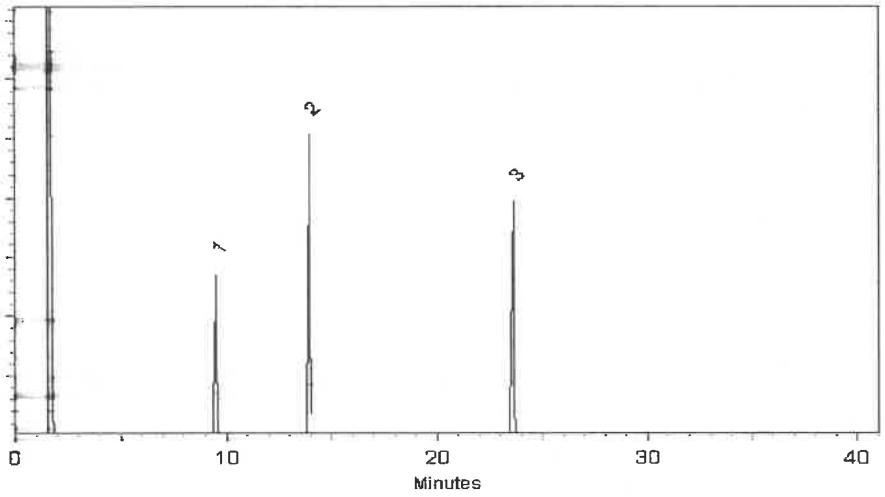
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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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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.

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Re

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

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erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability n, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with dards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ides complete instructions.

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Certificate of Analysis

gravimetric

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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

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PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/24/24

E 3780

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

Material No.: 9266-A4
Batch No.: 24F1062004
Manufactured Date: 2024-04-15
Expiration Date: 2025-07-15
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	7
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D15750

E 3786

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M5037-38-39-40
ND

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

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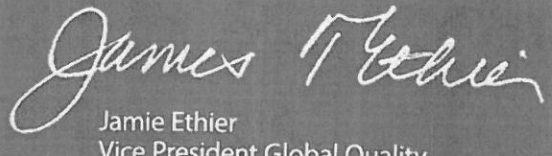
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539
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511568
Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- 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

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

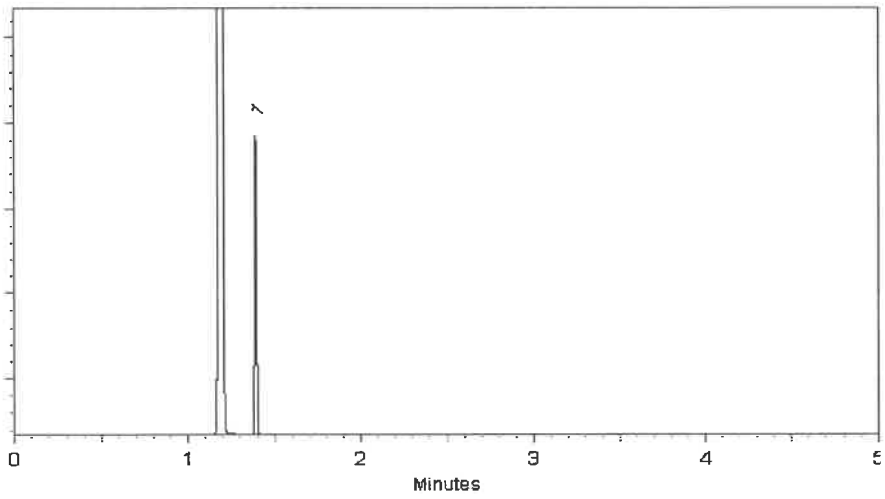
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

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Handling 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.)

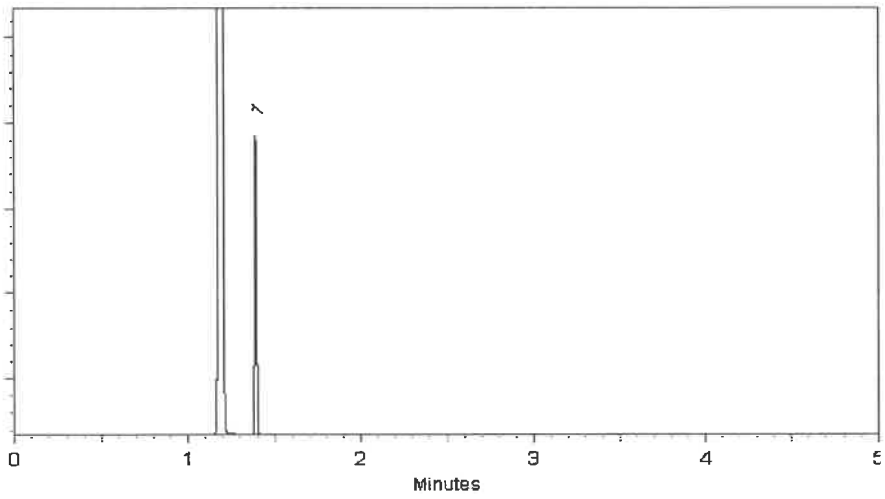
Inj. Temp:
250°C

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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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.)

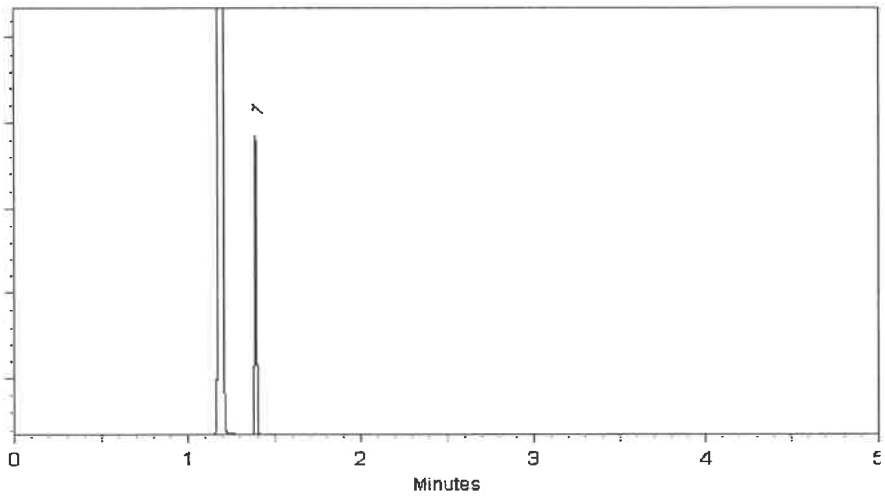
Inj. Temp:
250°C

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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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

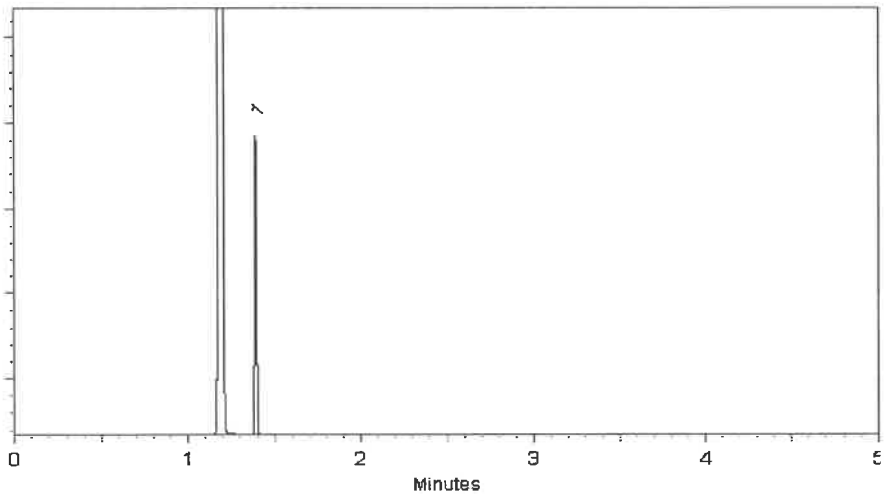
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
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Det. Temp:
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Det. Type:
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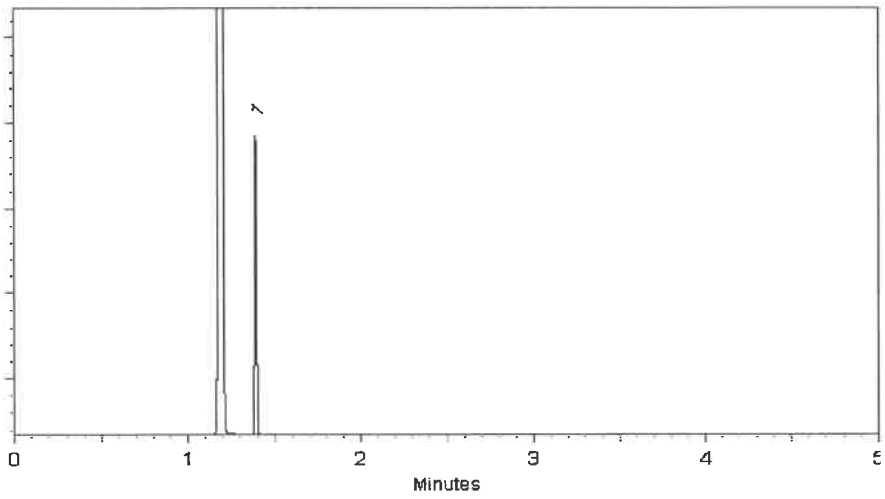
Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

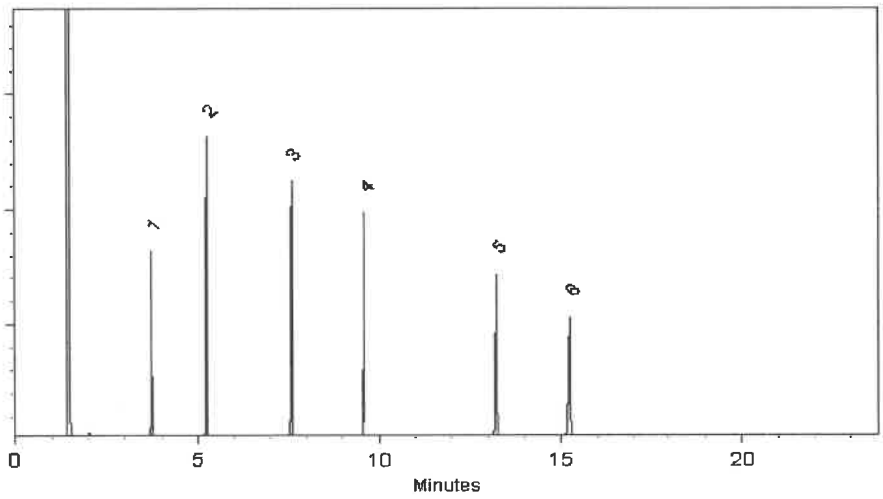
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
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Fax: 1-814-353-1309

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ISO/IEC 17025 Accredited
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

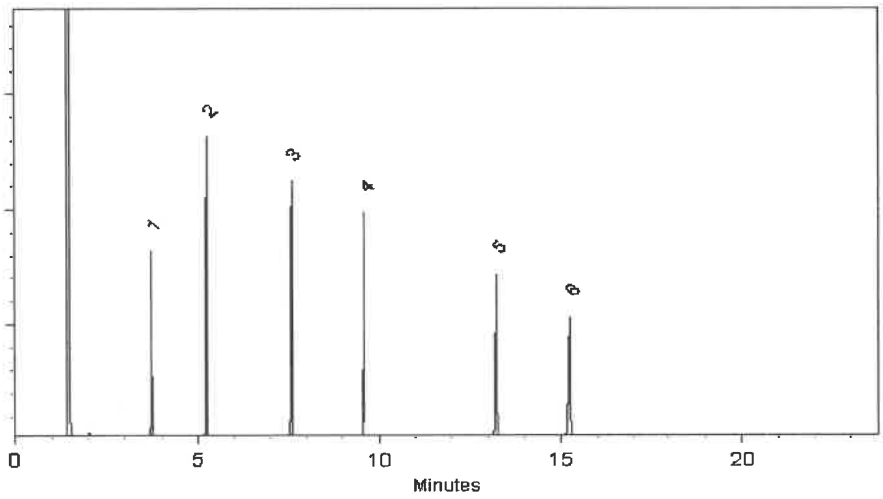
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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(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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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
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S12075
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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

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S12082 ↓ S12111 RC/ 02/22/24

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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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CAS # 75-09-2
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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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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

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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.

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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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.

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.)

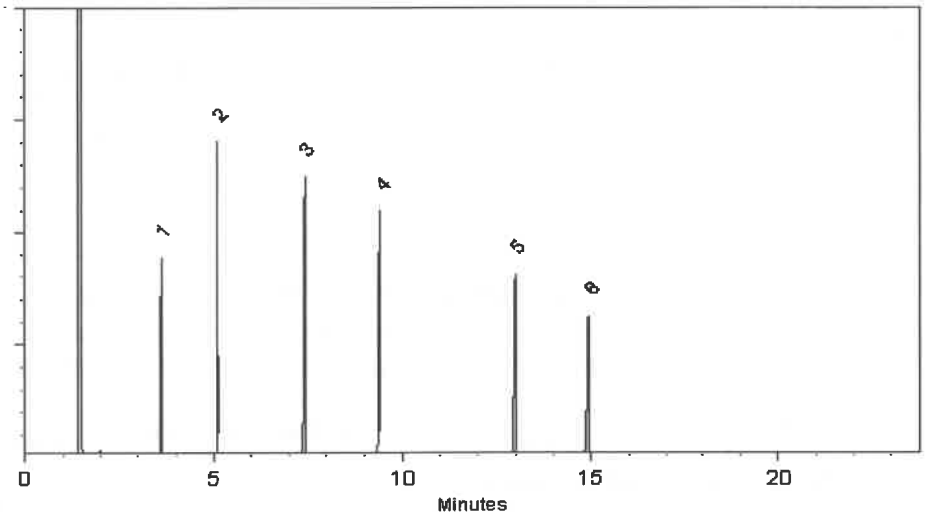
Inj. Temp:
250°C

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.)

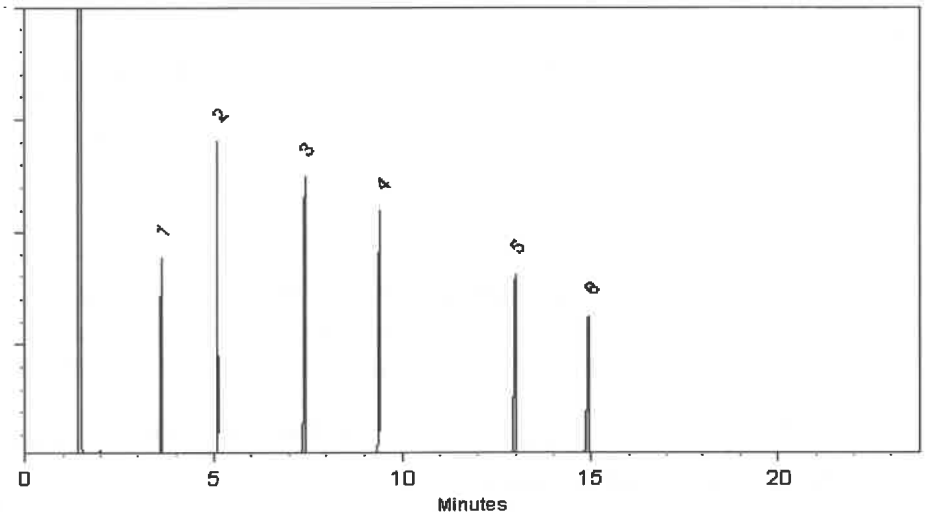
Inj. Temp:
250°C

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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Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.)

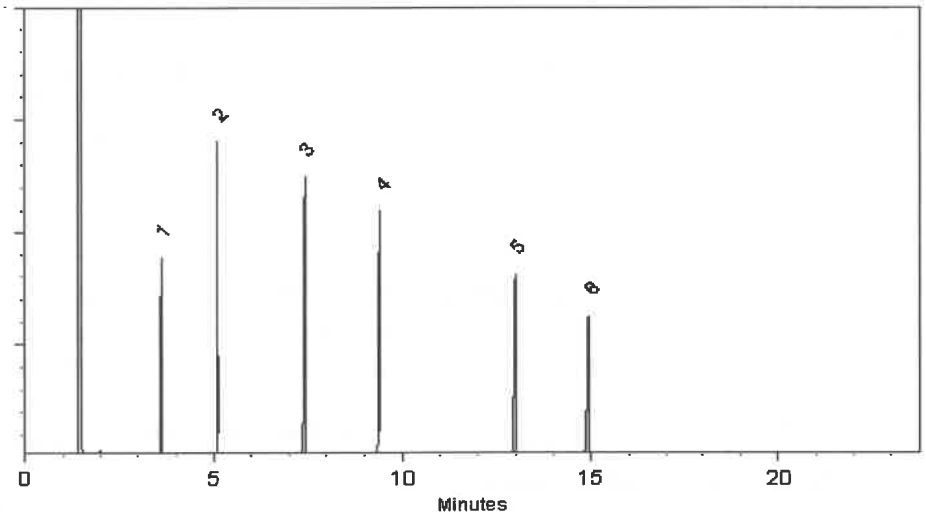
Inj. Temp:
250°C

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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Tel: 1-814-353-1300
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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:

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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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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.

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Container Size : 2 mL **Pkg Amt:** > 1 mL

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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

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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

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488