

Cover Page

Order ID : P3845

Project ID : NJ Waste Water PT

Client : Chemtech Consulting Group

Lab Sample Number

P3845-01
P3845-02
P3845-03
P3845-04
P3845-05
P3845-06
P3845-07
P3845-08
P3845-09
P3845-10
P3845-11
P3845-12
P3845-13
P3845-14
P3845-15
P3845-16
P3845-17
P3845-18
P3845-19
P3845-20
P3845-21
P3845-22

Client Sample Number

PT-VOA-WP
PT-VOA-WP
PT-BN-WP
PT-BN-WP
PT-BN-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-PEST-WP
PT-PEST-WP
PT-CHLR-WP
PT-CHLR-WP
PT-TXP-WP
PT-TXP-WP
PT-PCBW-WP
PT-PCBW-WP
PT-HERB-WP
RR-GAS-WP
RR-DIES-WP
RR-8011-WP
RR-PAH-WP
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



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

CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Waste Water PT

Project # N/A

Chemtech Project # P3845

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

22 Water samples were received on 09/05/2024.

B. Parameters

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

C. Analytical Techniques:

The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group1 was based on method 625.1,8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

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

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

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

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

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

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

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

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

The Tuning criteria met requirements.

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

E. Additional Comments:

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

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

F. Manual Integration Comments:

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



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Signature_____

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 flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

CHEMTECH PROJECT NUMBER: P3845

MATRIX: Water

METHOD: 625.1,8270E/3510

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements.		✓	
The % RSD is greater than 20% in the Initial Calibration (8270-BM091424.M) for Benzoic acid , 4,6-Dinitro-2-methylphenol, this compound is passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression			
The Continuous Calibration File ID BM047533.D met the requirements except for Benzidine, failing high but no positive hit for these compounds therefore no corrective action was taken.			
The Continuous Calibration File ID BM047566.D met the requirements except for 3,3- Dichlorobenzidine,Benzidine,Bis(2-ethylhexyl)phthalate,Butylbenzylphthalate and Di- n-octyl phthalate, failing high but no positive hit for these compounds therefore no corrective action was taken.			
6. Blank Contamination - If yes, list compounds and concentrations in each blank:			✓
7. Surrogate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
The Surrogate recoveries met the acceptable criteria except for PT-BN-WP [Terphenyl- d14 - 132%], as per method two surrogates are allowed to failed, no corrective action was taken.			

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**(CONTINUED)**

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

ADDITIONAL COMMENTS:

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

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

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

QA REVIEW_____
Date

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/21/2024

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	SVOCMS Group1	8270E	09/03/24	09/12/24	09/16/24	09/05/24
P3845-03DL	PT-BN-WPDL	Water	SVOCMS Group1	8270E	09/03/24	09/12/24	09/16/24	09/05/24

Hit Summary Sheet SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

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

Client ID : PT-BN-WPDL

P3845-03DL	PT-BN-WPDL	WATER	n-Nitrosodimethylamine	130.000	D	5.2	50	ug/L

Hit Summary Sheet
SW-846

SDG No.: P3845
Client: Chemtech Consulting Group

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



QC SUMMARY

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

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

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

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

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163318BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047567.D

Lab Sample ID: PB163318BL

Instrument ID: BNA_M

Date Extracted: 09/12/2024

Matrix: (soil/water) Water

Date Analyzed: 09/19/2024

Level: (low/med) LOW

Time Analyzed: 12:35

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

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

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CHEM02Lab Code: CHEMSAS No.: P3845 SDG NO.: P3845Lab File ID: BM047519.DDFTPP Injection Date: 09/14/2024Instrument ID: BNA_MDFTPP 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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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CHEM02Lab Code: CHEMSAS No.: P3845 SDG NO.: P3845Lab File ID: BM047532.DDFTPP Injection Date: 09/16/2024Instrument ID: BNA_MDFTPP Injection Time: 09:36

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

1-Value is % mass 69

2-Value is % mass 442

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

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



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CHEM02Lab Code: CHEMSAS No.: P3845SDG NO.: P3845Lab File ID: BM047565.DDFTPP Injection Date: 09/19/2024Instrument ID: BNA_MDFTPP 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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

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

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

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	392657	7.851	1713350	10.65	1011170	14.48
UPPER LIMIT	785314	8.351	3426700	11.145	2022340	14.98
LOWER LIMIT	196329	7.351	856675	10.145	505585	13.98
EPA SAMPLE NO.						
01 PT-BN-WP	344273	7.85	1460340	10.65	837356	14.48
02 PT-BN-WPDL	377823	7.85	1623270	10.65	949493	14.48

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

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

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

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1938190	17.215	1774640	21.439	1492870	24.468
UPPER LIMIT	3876380	17.715	3549280	21.939	2985740	24.968
LOWER LIMIT	969095	16.715	887320	20.939	746435	23.968
EPA SAMPLE NO.						
01 PT-BN-WP	1576550	17.22	1292100	21.44	1275490	24.47
02 PT-BN-WPDL	1818860	17.22	1347120	21.44	1275890	24.47

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

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

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

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1699870	17.209	1491890	21.433	1457820	24.462
UPPER LIMIT	3399740	17.709	2983780	21.933	2915640	24.962
LOWER LIMIT	849935	16.709	745945	20.933	728910	23.962
EPA SAMPLE NO.						
01 PB163318BL	1165230	17.21	864552	21.43	939242	24.46
02 PB163318BS	1066010	17.21	844898	21.43	808669	24.46
03 PB163318BSD	1048550	17.21	835988	21.43	806711	24.46

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WP	SDG No.:	P3845
Lab Sample ID:	P3845-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047535.D	1	09/12/24 08:40	09/16/24 12:56	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	110	E	1.00	10.0	ug/L
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
62-53-3	Aniline	1.60	U	1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	110	E	1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	150	E	0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	1.60	U	1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	66.9		1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	110	E	1.50	2.50	ug/L
67-72-1	Hexachloroethane	120	E	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	150	E	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	67.8		1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	87.4	E	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	350	EQ	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L
208-96-8	Acenaphthylene	170	E	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	87.1	E	1.20	5.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WP	SDG No.:	P3845
Lab Sample ID:	P3845-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047535.D	1	09/12/24 08:40	09/16/24 12:56	PB163318

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WP	SDG No.:	P3845
Lab Sample ID:	P3845-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047535.D	1	09/12/24 08:40	09/16/24 12:56	PB163318

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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

Instrument :
 BNA_M
 ClientSampleId :
 PT-BN-WP

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

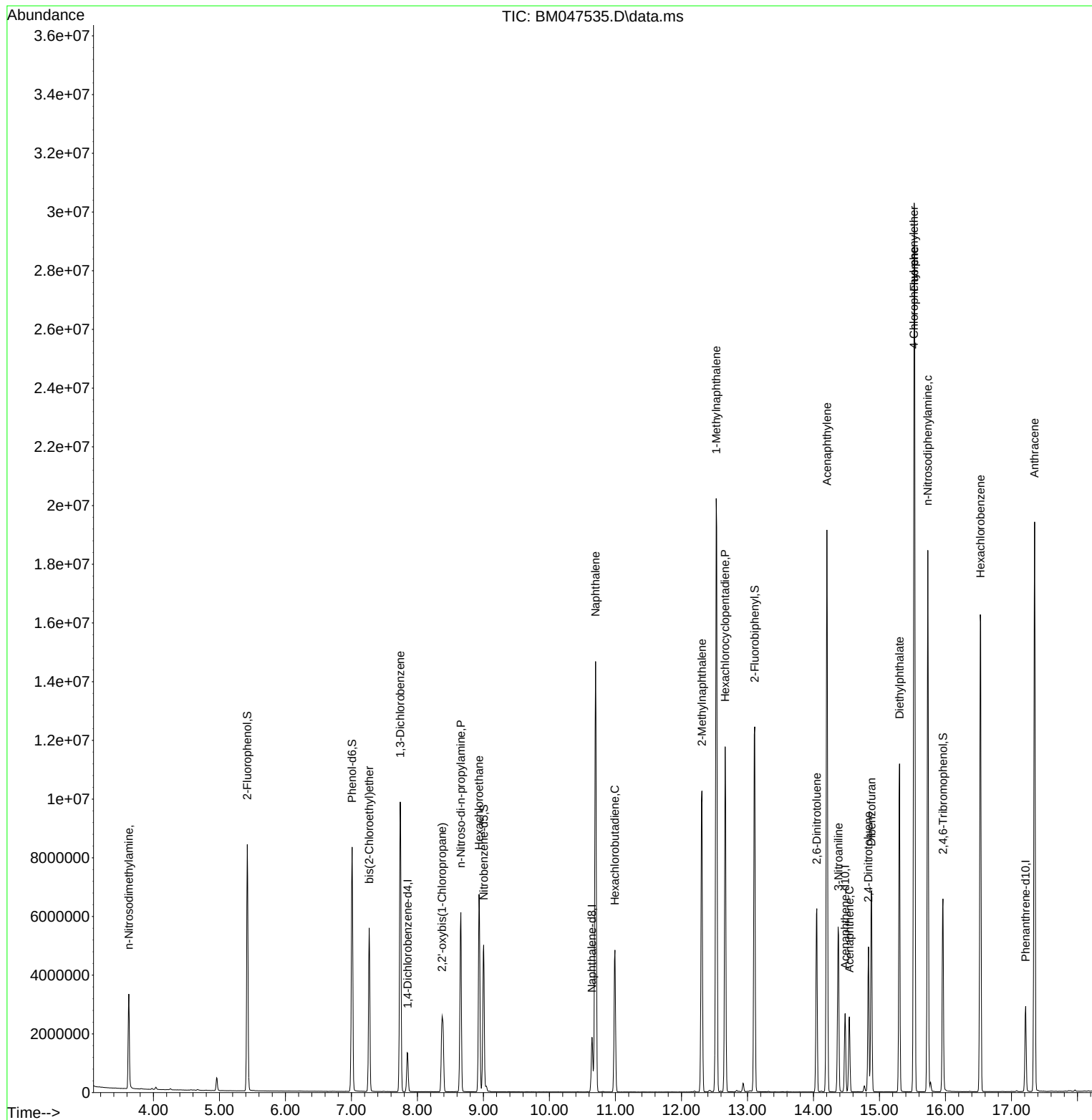
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	344273	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1460341	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	837356	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1576550	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1292096	20.000	ng	0.00
86) Perylene-d12	24.474	264	1275489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3300401	152.639	ng	0.00
7) Phenol-d6	7.010	99	4413394	144.938	ng	0.00
23) Nitrobenzene-d5	9.004	82	2823010	96.745	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	898838	111.053	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	5959022	98.031	ng	0.00
79) Terphenyl-d14	19.833	244	9539238	132.295	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.628	42	1407798	112.554	ng	# 98
11) bis(2-Chloroethyl)ether	7.269	93	2804272	114.564	ng	100
12) 1,3-Dichlorobenzene	7.739	146	3814062	146.188	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	2303999	66.913	ng	99
18) Hexachloroethane	8.934	117	1323486	124.673	ng	98
19) n-Nitroso-di-n-propyla...	8.657	70	2205866	107.443	ng	97
31) Naphthalene	10.698	128	11660125	147.841	ng	99
34) Hexachlorobutadiene	10.992	225	846952	67.838	ng	99
37) 2-Methylnaphthalene	12.310	142	4589437	87.431	ng	99
38) 1-Methylnaphthalene	12.527	142	8956817	171.700	ng	99
41) Hexachlorocyclopentadiene	12.663	237	2600147	351.028	ng	97
49) Acenaphthylene	14.204	152	12314771	168.691	ng	96
51) 2,6-Dinitrotoluene	14.051	165	1049356	87.096	ng	100
52) Acenaphthene	14.545	154	840007	16.422	ng	99
53) 3-Nitroaniline	14.380	138	1249510	93.305	ng	95
55) Dibenzofuran	14.880	168	4062690	56.522	ng	99
57) 2,4-Dinitrotoluene	14.833	165	1040650	64.763	ng	97
58) Fluorene	15.527	166	11818892	182.635	ng	98
60) Diethylphthalate	15.304	149	5625960	92.622	ng	98
61) 4-Chlorophenyl-phenyle...	15.521	204	1178872	39.841	ng	98
66) n-Nitrosodiphenylamine	15.733	169	6279471	130.199	ng	99
68) Hexachlorobenzene	16.533	284	2873965	165.608	ng	95
72) Anthracene	17.351	178	11153136	133.611	ng	98
78) Pyrene	19.621	202	2964541	31.454	ng	100
83) Chrysene	21.492	228	12916478	162.145	ng	92
84) Bis(2-ethylhexyl)phtha...	21.362	149	6268556	110.292	ng	98
85) Di-n-octyl phthalate	22.509	149	14043193	174.678	ng	98
87) Indeno(1,2,3-cd)pyrene	27.921	276	8839664	115.806	ng	98
88) Benzo(b)fluoranthene	23.515	252	3945768	47.812	ng	99
89) Benzo(k)fluoranthene	23.586	252	6654574	81.362	ng	99
90) Benzo(a)pyrene	24.333	252	5660846	83.692	ng	99
91) Dibenzo(a,h)anthracene	27.973	278	6773810	105.477	ng	99
92) Benzo(g,h,i)perylene	28.973	276	4878960	77.773	ng	98

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

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

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

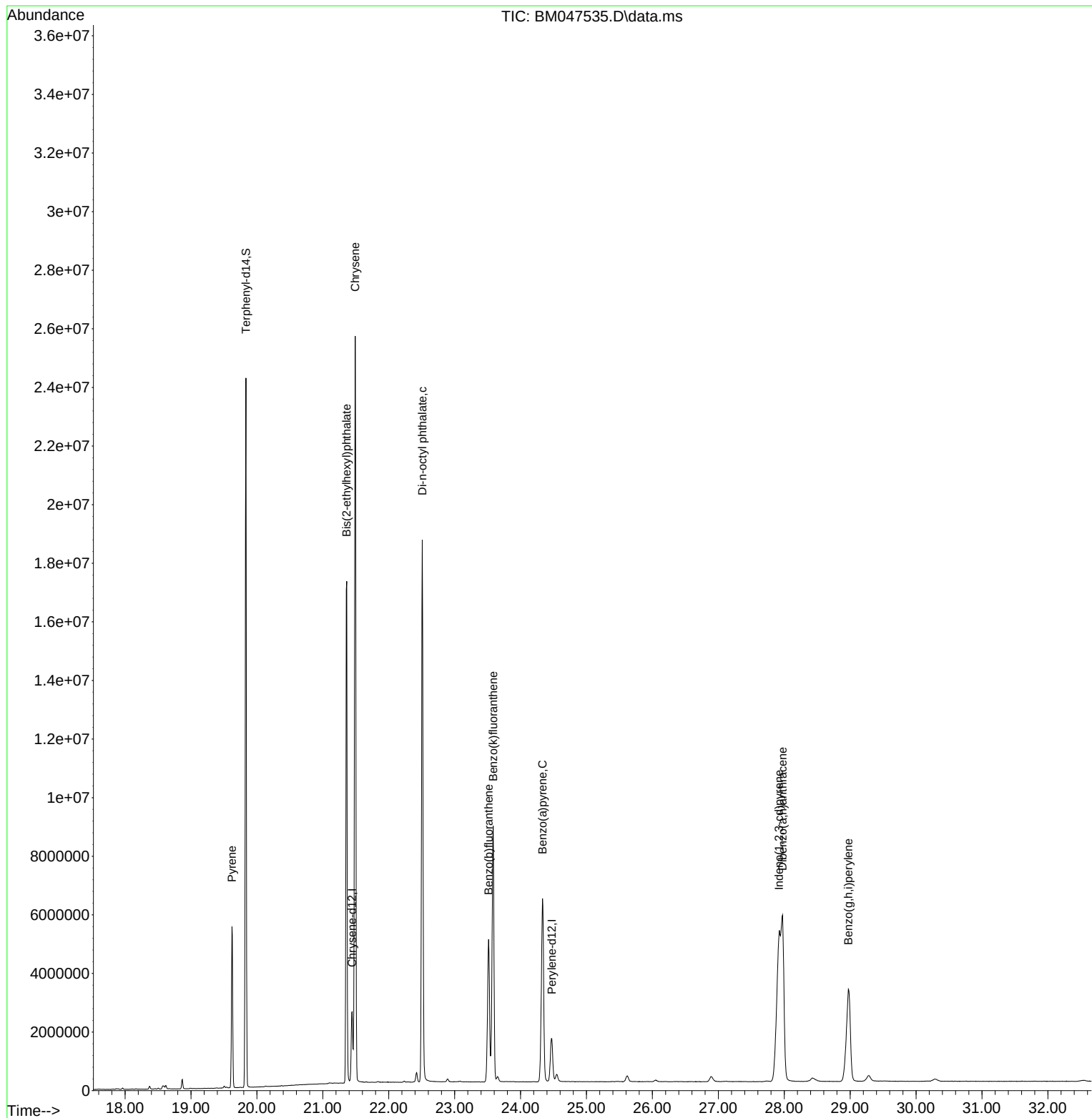
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

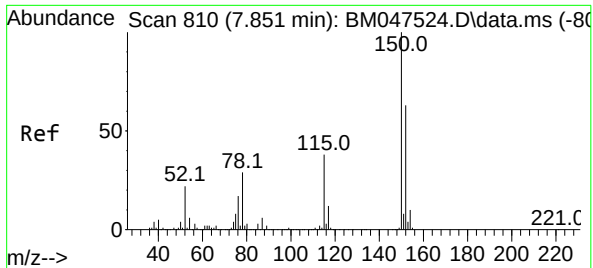


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Acq On : 16 Sep 2024 12:56
Operator : RC/JU
Sample : P3845-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

Quant Time: Sep 16 13:43:24 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

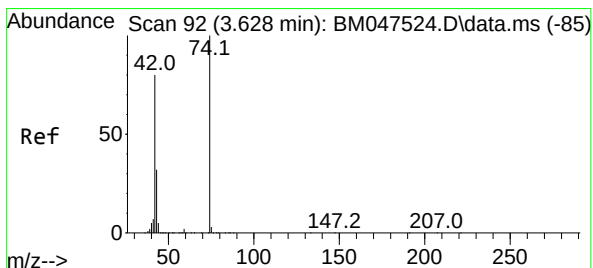
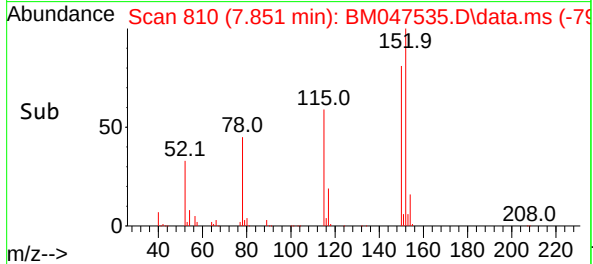
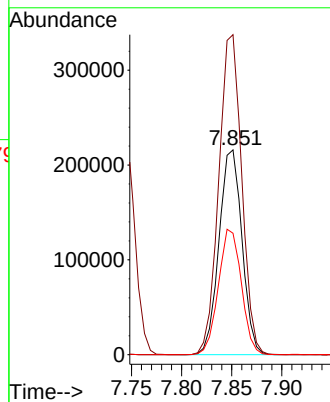
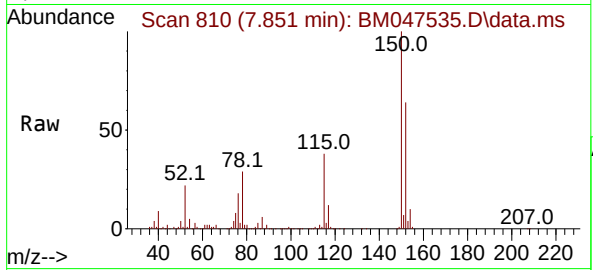




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

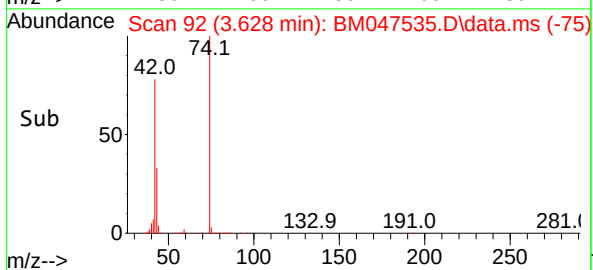
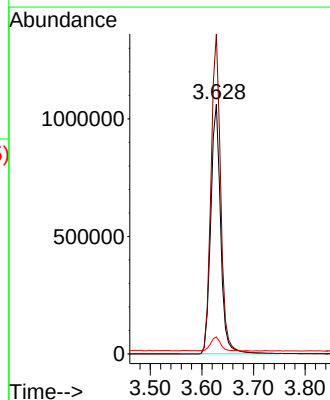
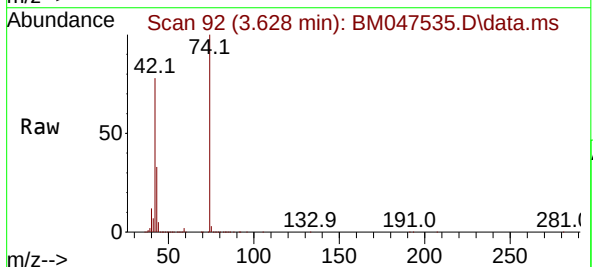
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ClientSampleId :
PT-BN-WP

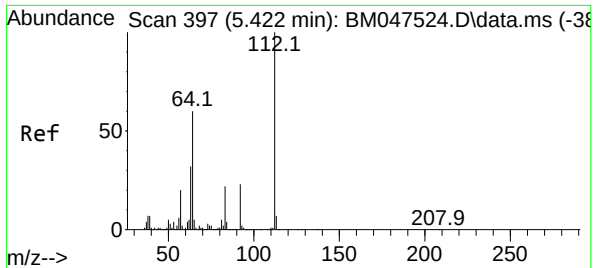
Tgt Ion:152 Resp: 344273
Ion Ratio Lower Upper
152 100
150 156.3 126.8 190.2
115 59.3 47.8 71.8



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

Tgt Ion: 42 Resp: 1407798
Ion Ratio Lower Upper
42 100
74 128.1 100.5 150.7
44 6.8 6.9 10.3

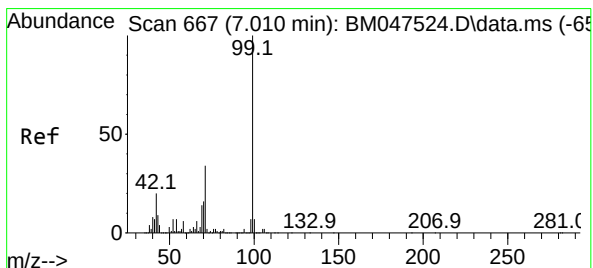
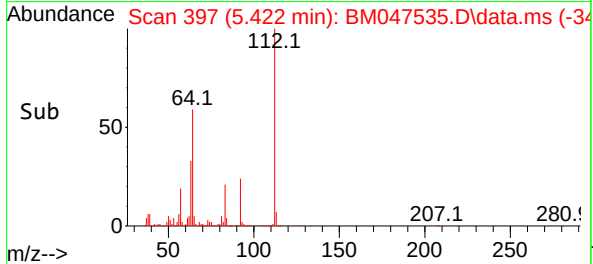
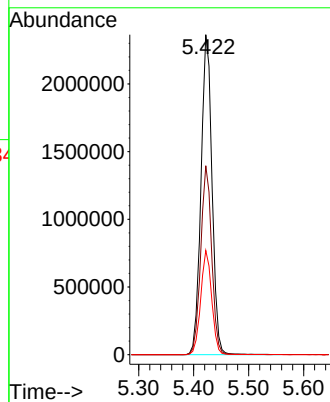
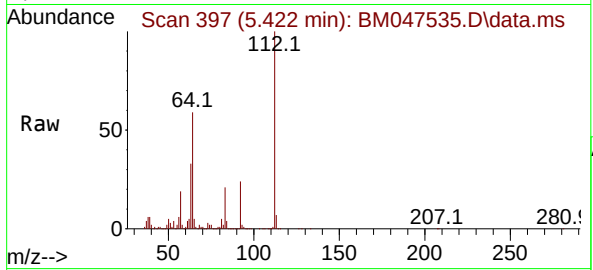




#5
2-Fluorophenol
Concen: 152.639 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

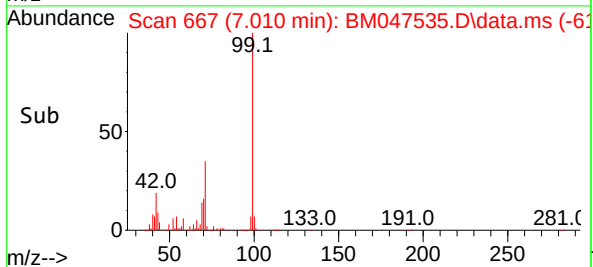
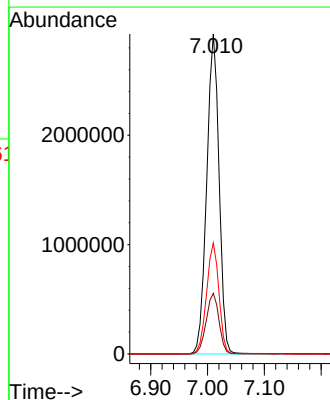
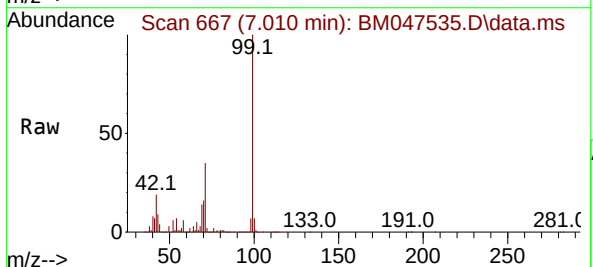
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

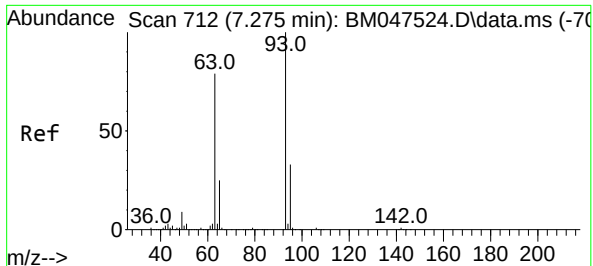
Tgt Ion:112 Resp: 3300401
Ion Ratio Lower Upper
112 100
64 59.0 48.2 72.4
63 32.6 26.0 39.0



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

Tgt Ion: 99 Resp: 4413394
Ion Ratio Lower Upper
99 100
42 19.0 15.8 23.8
71 34.7 27.6 41.4

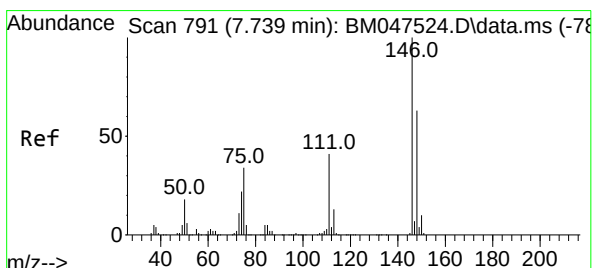
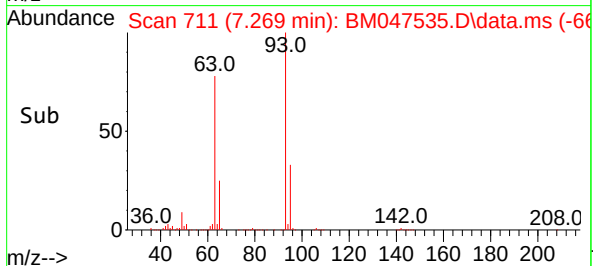
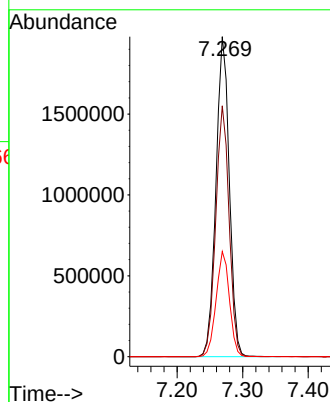
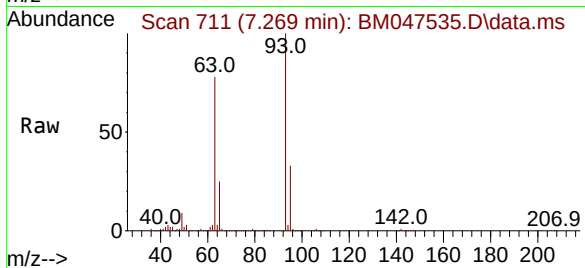




#11
bis(2-Chloroethyl)ether
Concen: 114.564 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

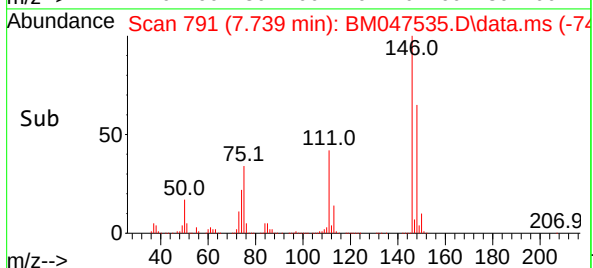
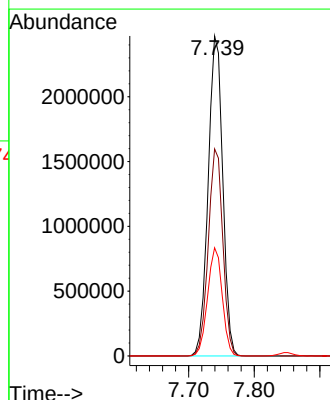
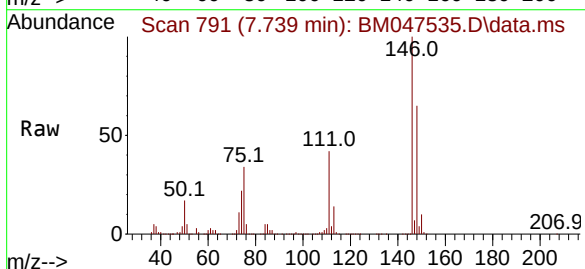
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

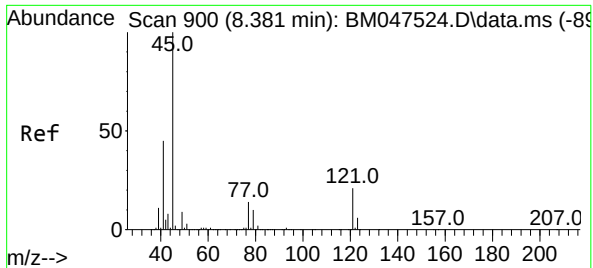
Tgt Ion: 93 Resp: 2804272
Ion Ratio Lower Upper
93 100
63 78.4 58.2 98.2
95 32.8 12.8 52.8



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

Tgt Ion:146 Resp: 3814062
Ion Ratio Lower Upper
146 100
148 64.7 50.2 75.4
75 33.8 27.4 41.0

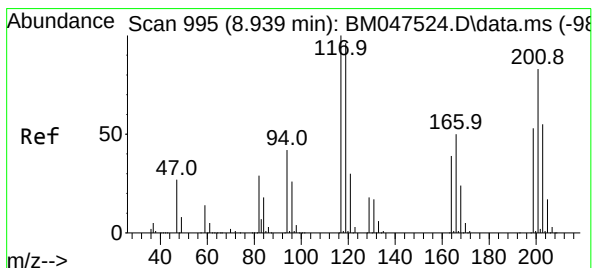
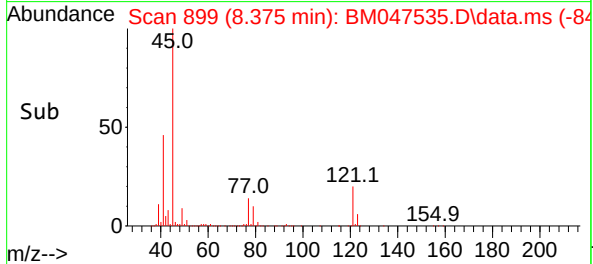
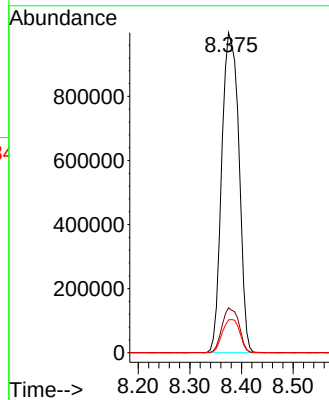
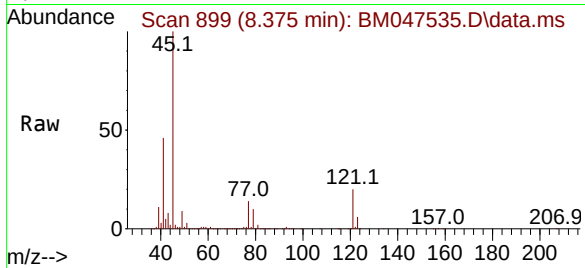




#16
2,2'-oxybis(1-Chloropropane)
Concen: 66.913 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

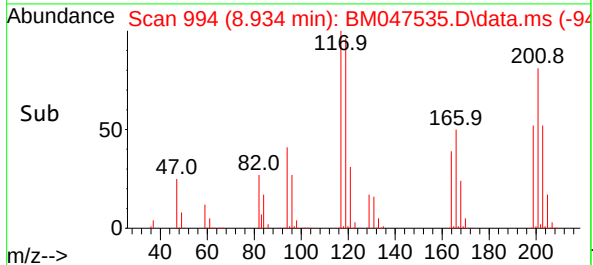
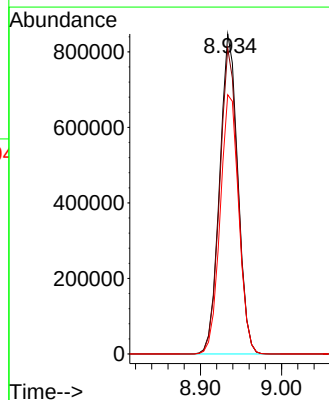
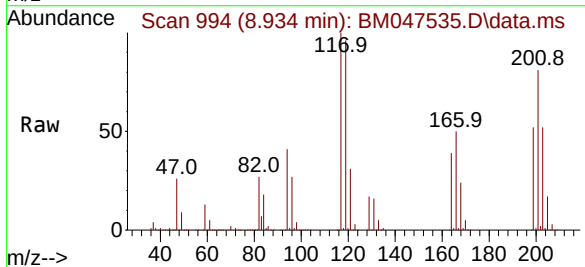
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

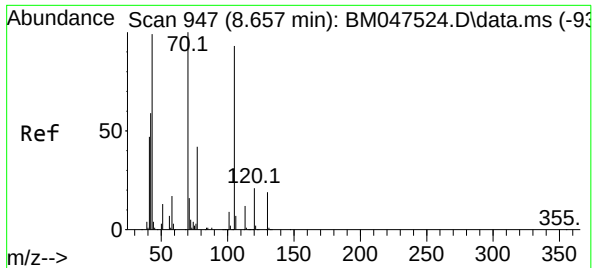
Tgt Ion: 45 Resp: 2303999
Ion Ratio Lower Upper
45 100
77 14.0 0.0 33.7
79 10.3 0.0 30.3



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

Tgt Ion:117 Resp: 1323486
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.4
201 81.0 66.8 100.2

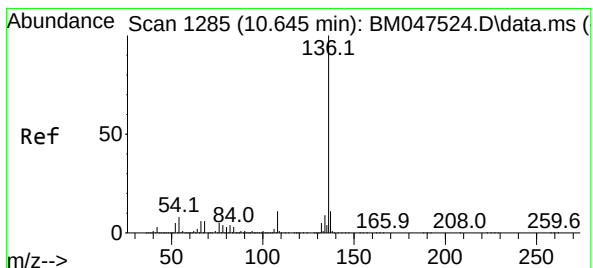
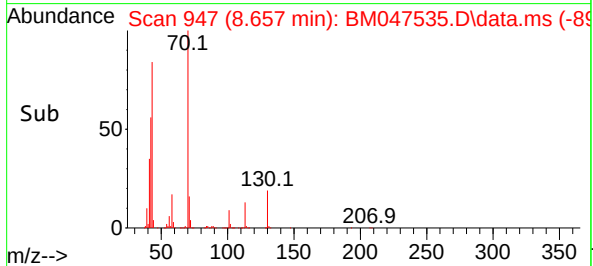
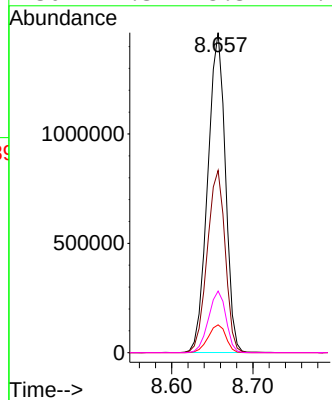
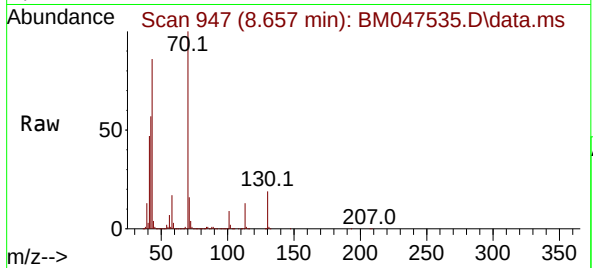




#19
n-Nitroso-di-n-propylamine
Concen: 107.443 ng
RT: 8.657 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

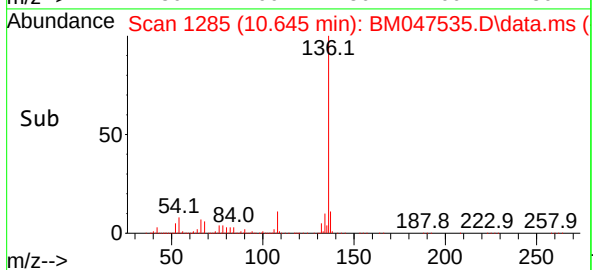
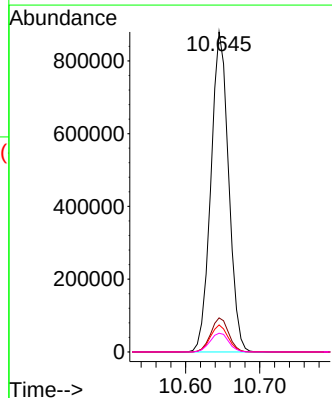
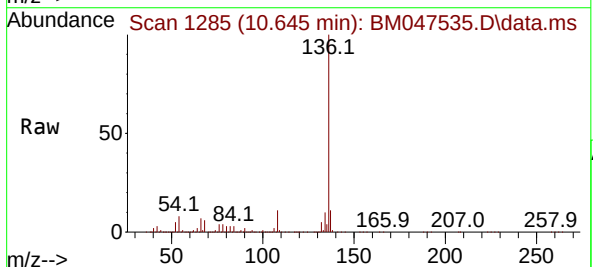
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

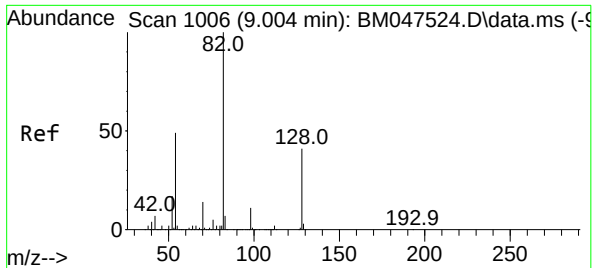
Tgt Ion: 70 Resp: 2205866
Ion Ratio Lower Upper
70 100
42 57.0 48.2 72.2
101 8.7 7.0 10.4
130 19.3 15.3 22.9



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

Tgt Ion: 136 Resp: 1460341
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 8.5 6.6 9.8
68 5.8 4.9 7.3

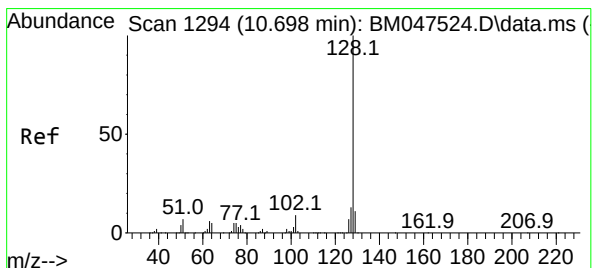
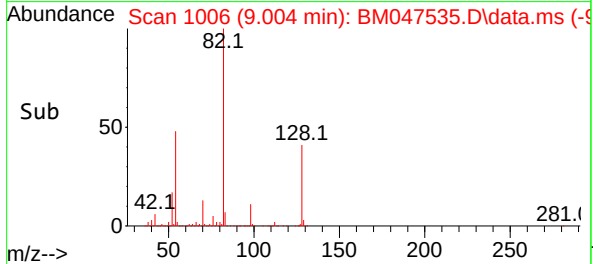
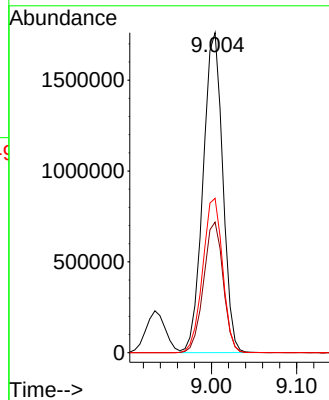
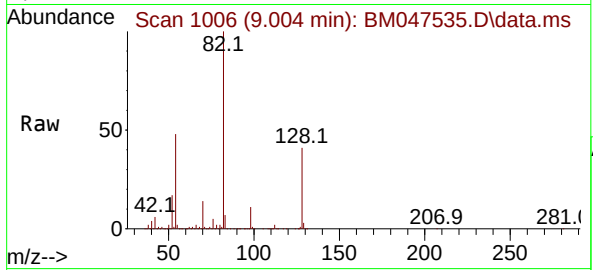




#23
Nitrobenzene-d5
Concen: 96.745 ng
RT: 9.004 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

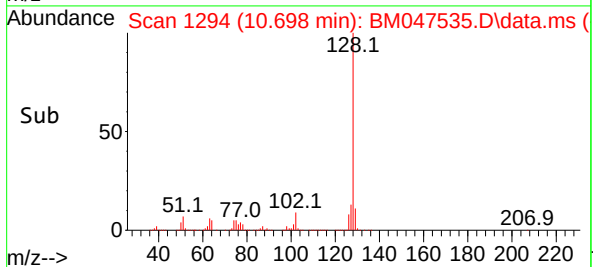
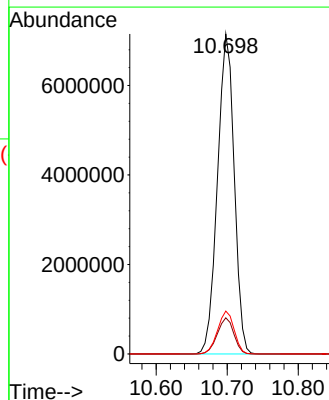
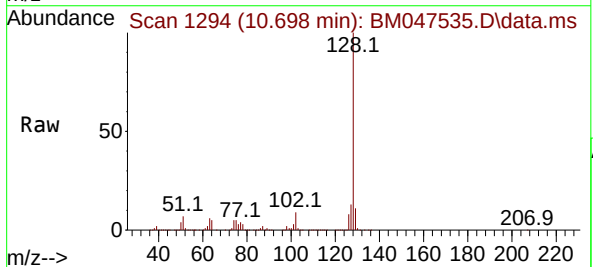
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

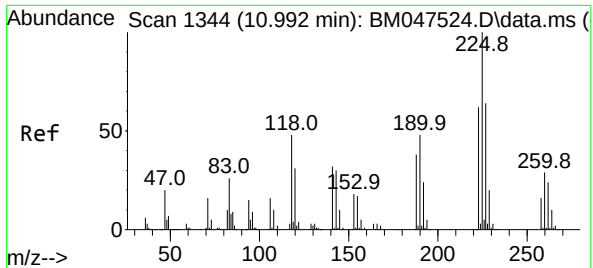
Tgt Ion: 82 Resp: 2823010
Ion Ratio Lower Upper
82 100
128 40.8 33.0 49.4
54 48.3 39.3 58.9



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

Tgt Ion: 128 Resp: 11660125
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.4 10.5 15.7

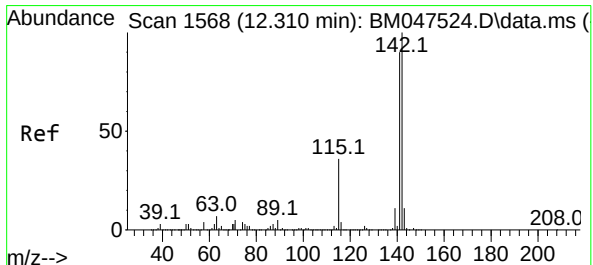
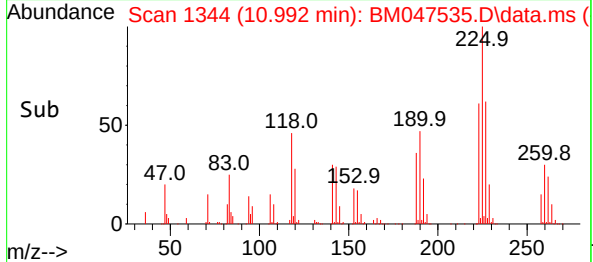
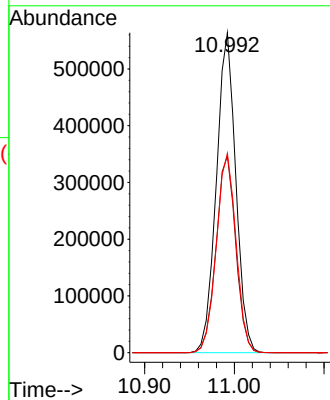
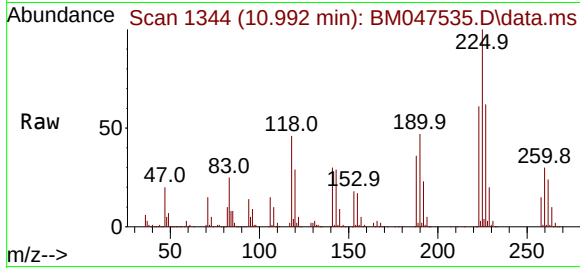




#34
Hexachlorobutadiene
Concen: 67.838 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

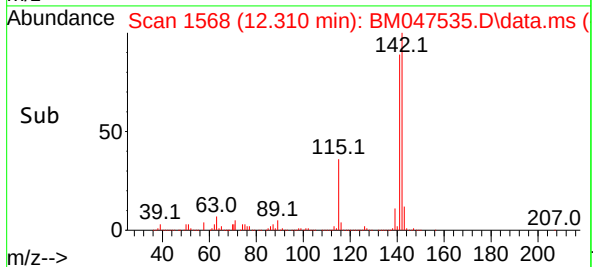
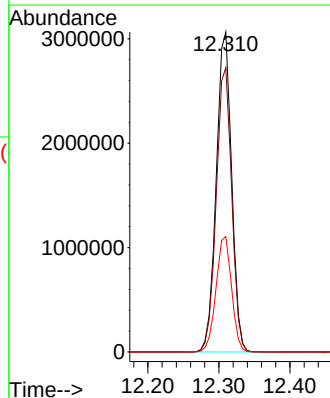
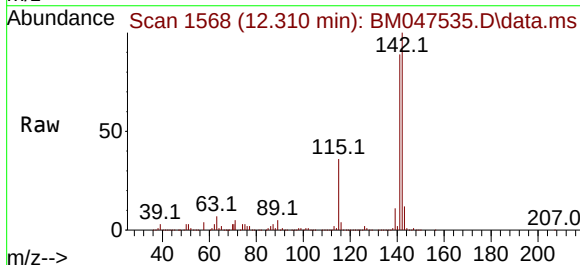
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

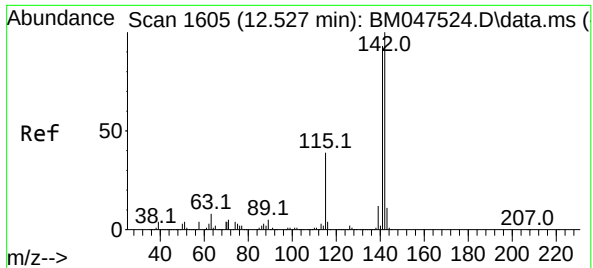
Tgt Ion:225 Resp: 846952
Ion Ratio Lower Upper
225 100
223 61.4 49.8 74.6
227 62.3 51.0 76.4



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

Tgt Ion:142 Resp: 4589437
Ion Ratio Lower Upper
142 100
141 88.9 72.2 108.4
115 36.1 29.1 43.7





#38

1-Methylnaphthalene

Concen: 171.700 ng

RT: 12.527 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

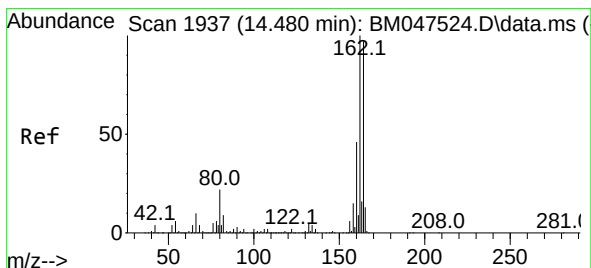
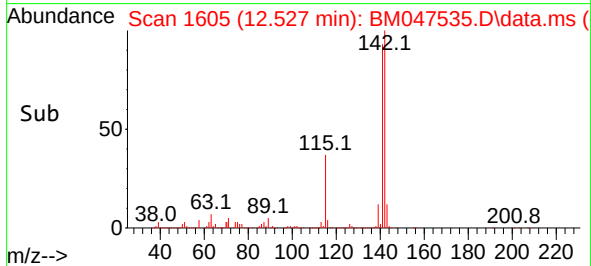
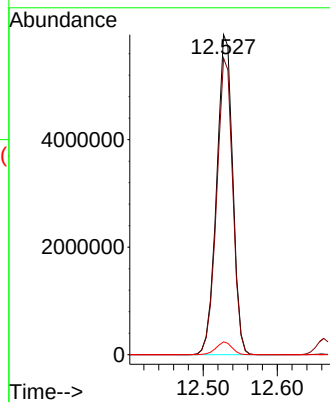
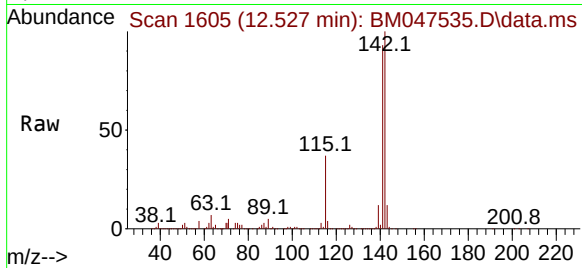
Tgt Ion:142 Resp: 8956817

Ion Ratio Lower Upper

142 100

141 92.6 74.7 112.1

116 4.0 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

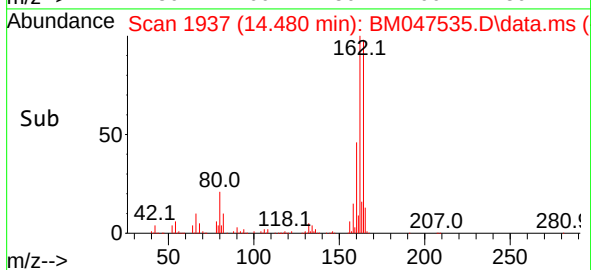
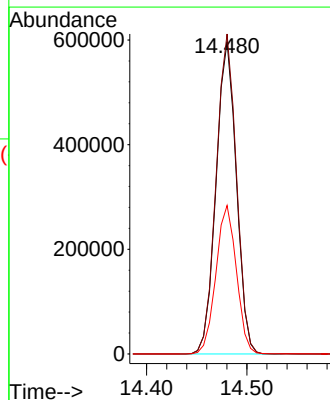
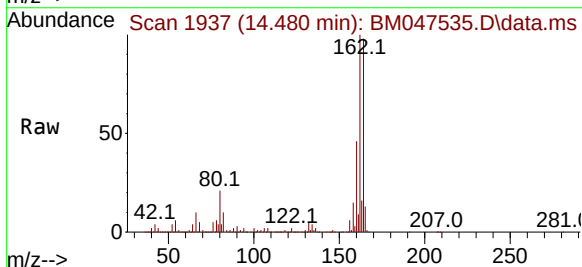
Tgt Ion:164 Resp: 837356

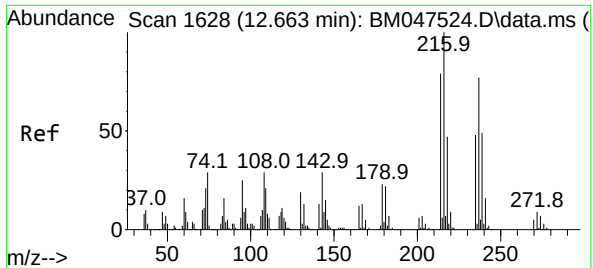
Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.2

160 47.5 38.2 57.2

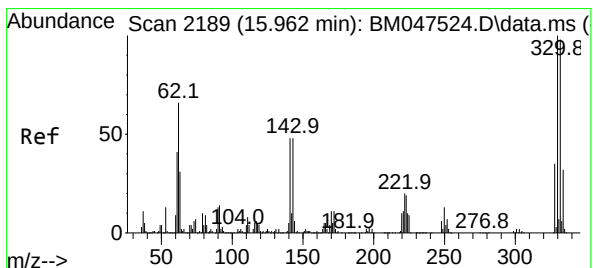
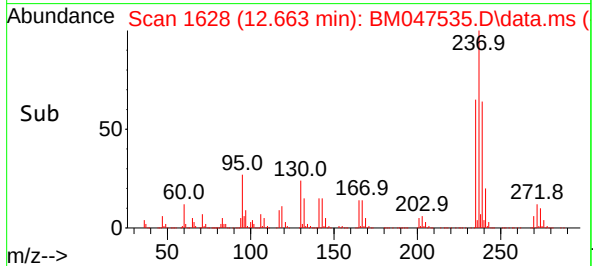
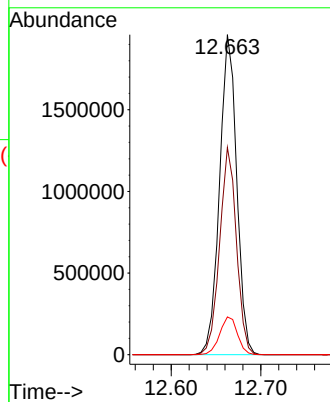
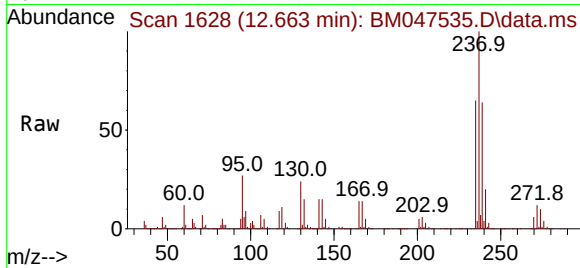




#41
Hexachlorocyclopentadiene
Concen: 351.028 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

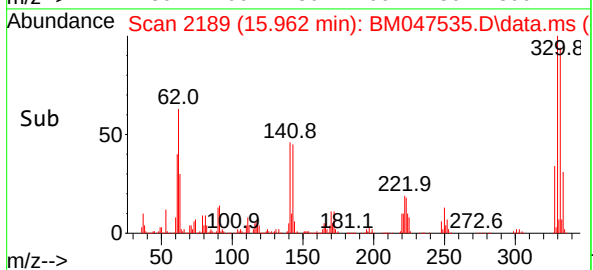
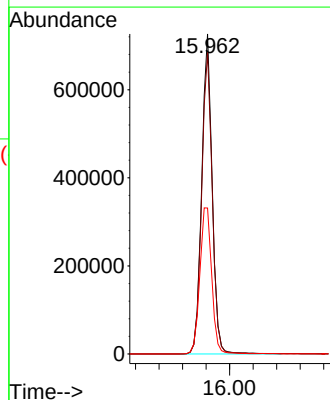
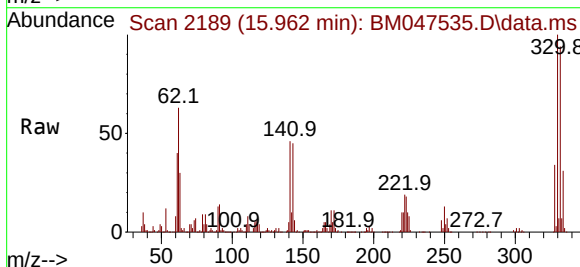
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

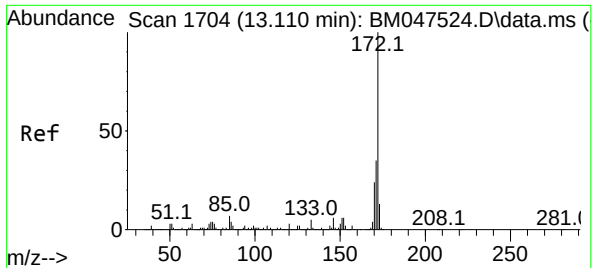
Tgt Ion:237 Resp: 2600147
Ion Ratio Lower Upper
237 100
235 64.7 42.0 82.0
272 11.8 0.0 31.5



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

Tgt Ion:330 Resp: 898838
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 51.8 42.2 63.2

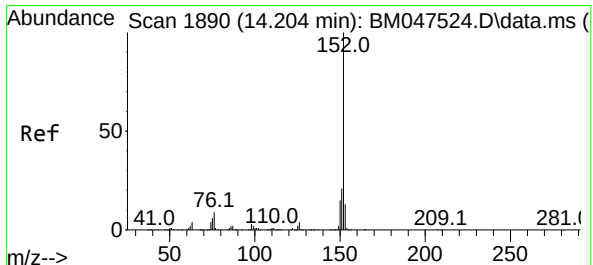
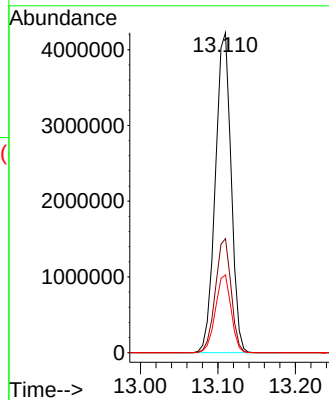
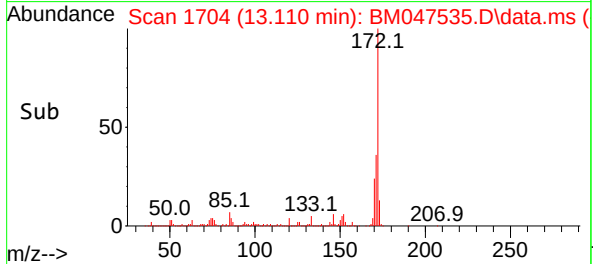
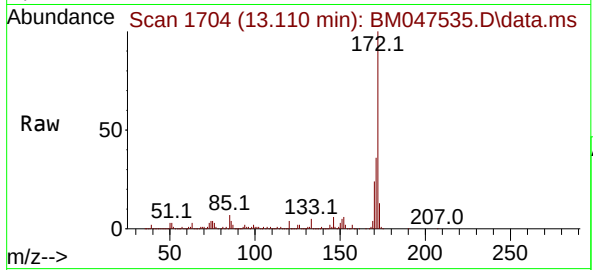




#45
2-Fluorobiphenyl
Concen: 98.031 ng
RT: 13.110 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

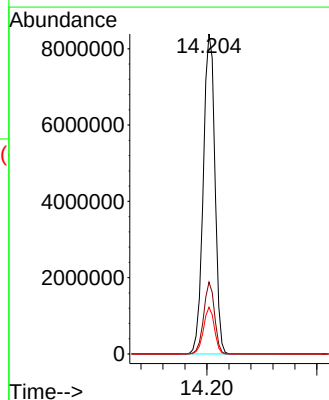
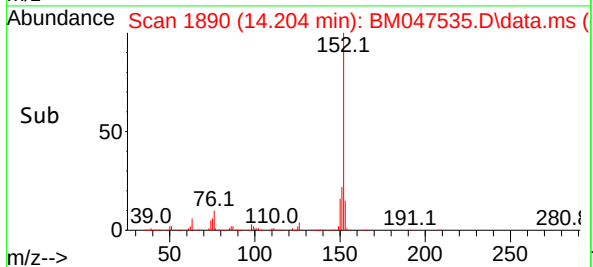
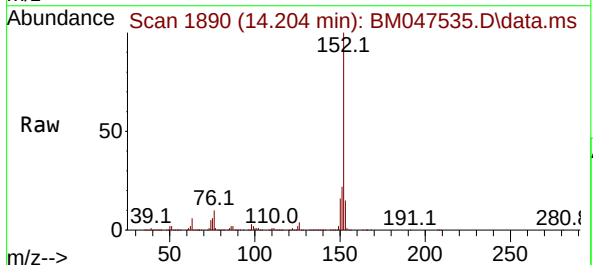
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

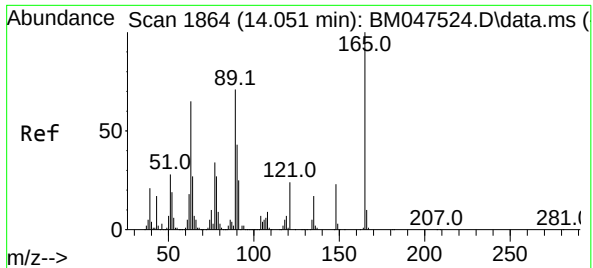
Tgt Ion:172 Resp: 5959022
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 24.3 19.4 29.0



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

Tgt Ion:152 Resp:12314771
Ion Ratio Lower Upper
152 100
151 22.5 16.5 24.7
153 14.6 10.4 15.6

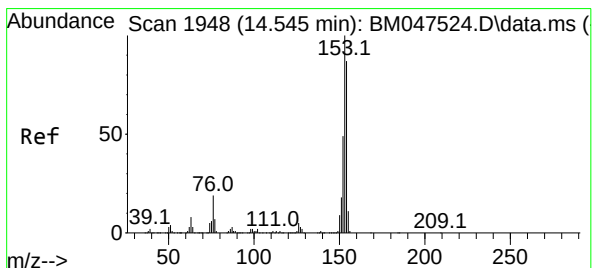
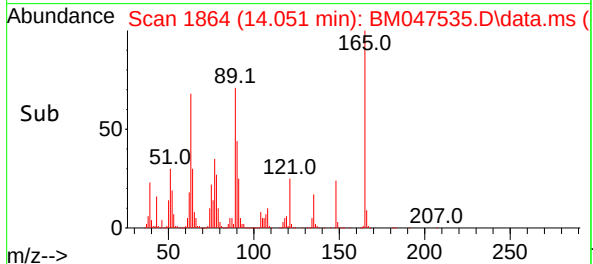
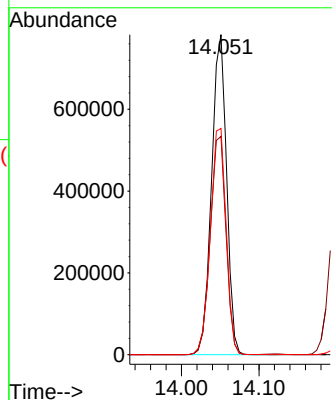
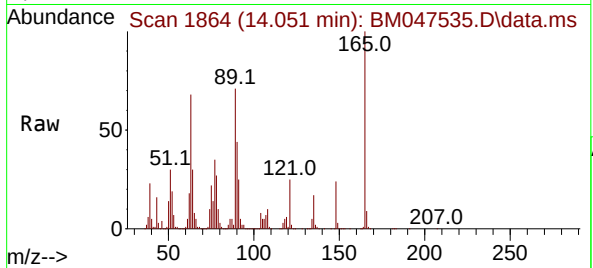




#51
2,6-Dinitrotoluene
Concen: 87.096 ng
RT: 14.051 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

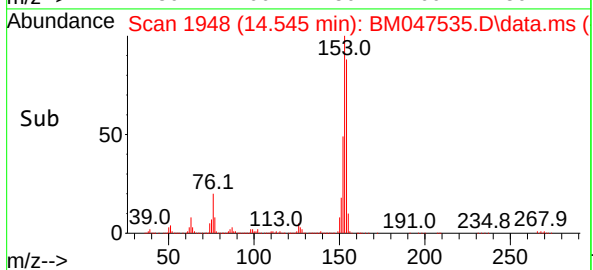
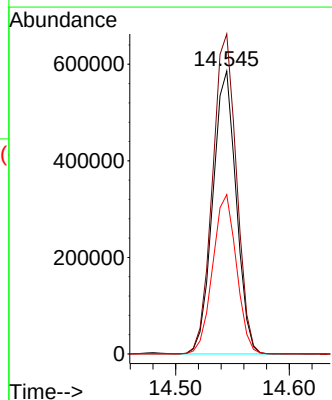
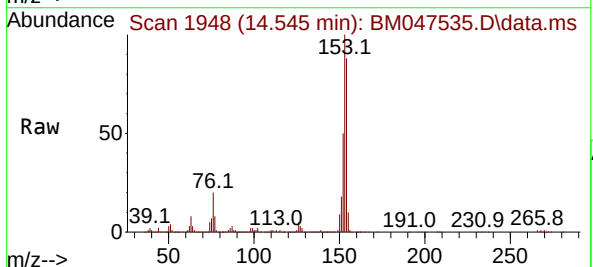
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

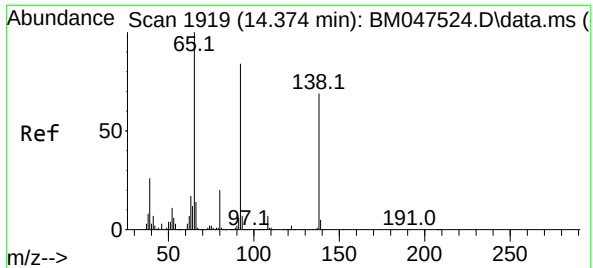
Tgt Ion:165 Resp: 1049356
Ion Ratio Lower Upper
165 100
63 68.2 54.2 81.2
89 70.7 56.4 84.6



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

Tgt Ion:154 Resp: 840007
Ion Ratio Lower Upper
154 100
153 113.1 92.2 138.2
152 56.4 45.4 68.0

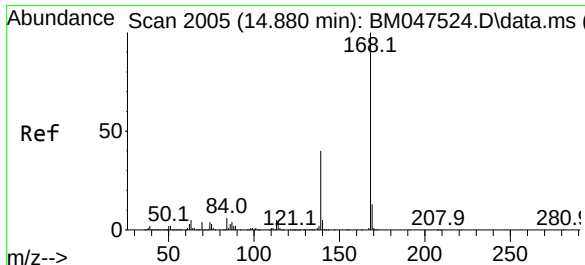
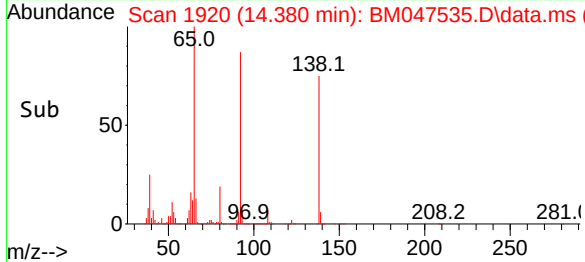
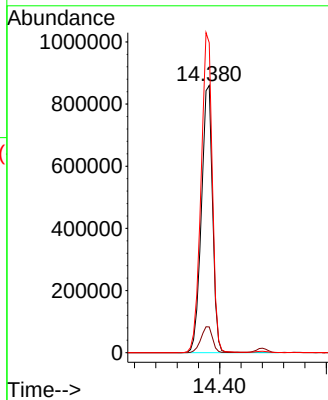
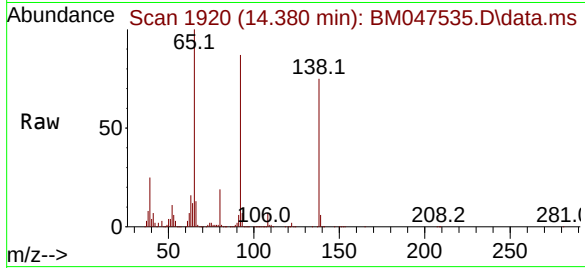




#53
3-Nitroaniline
Concen: 93.305 ng
RT: 14.380 min Scan# 1919
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

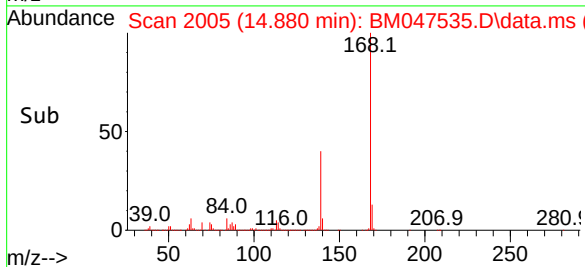
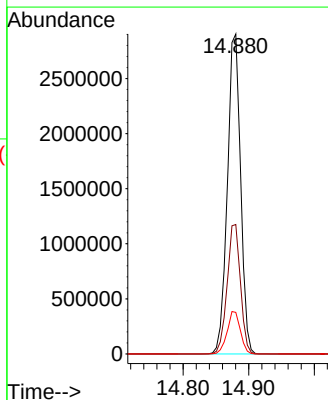
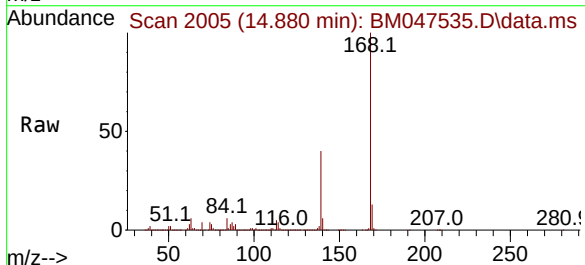
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

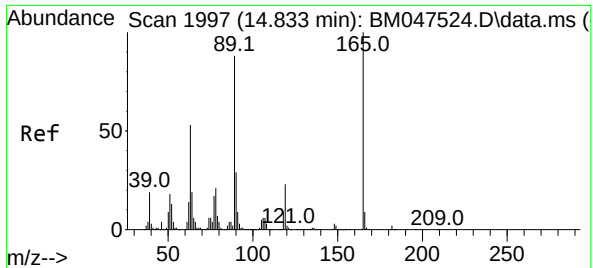
Tgt Ion:138 Resp: 1249510
Ion Ratio Lower Upper
138 100
108 9.6 8.0 12.0
92 116.0 97.4 146.0



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

Tgt Ion:168 Resp: 4062690
Ion Ratio Lower Upper
168 100
139 40.4 31.9 47.9
169 13.0 10.5 15.7

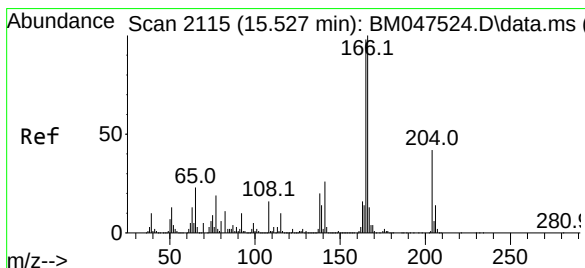
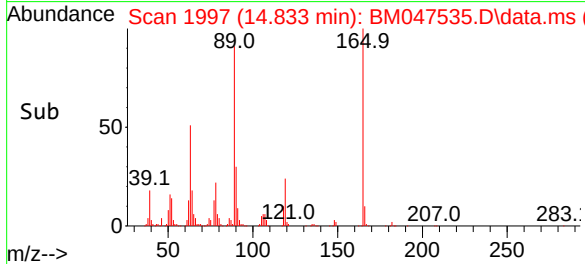
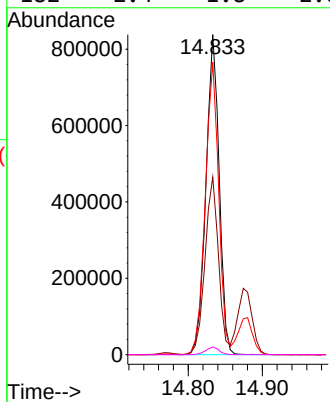
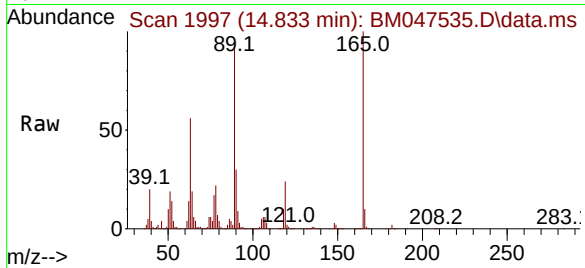




#57
2,4-Dinitrotoluene
Concen: 64.763 ng
RT: 14.833 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

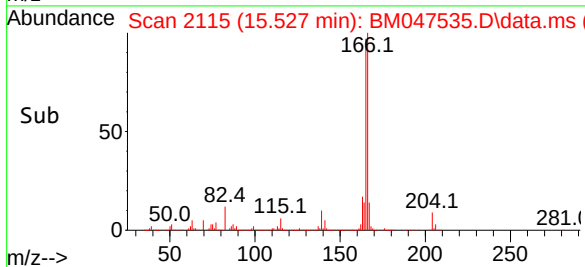
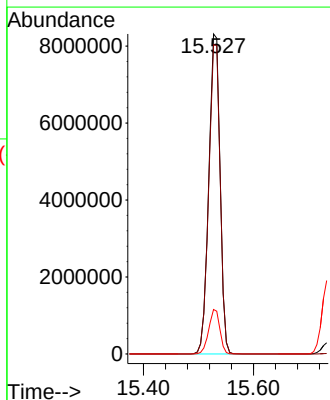
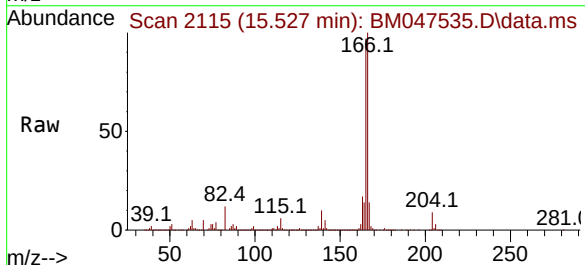
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

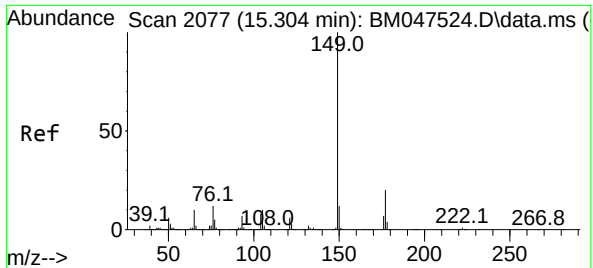
Tgt Ion:165 Resp: 1040650
Ion Ratio Lower Upper
165 100
63 55.5 42.4 63.6
89 91.4 70.5 105.7
182 2.4 1.8 2.6



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

Tgt Ion:166 Resp:11818892
Ion Ratio Lower Upper
166 100
165 96.7 78.6 117.8
167 13.9 10.7 16.1

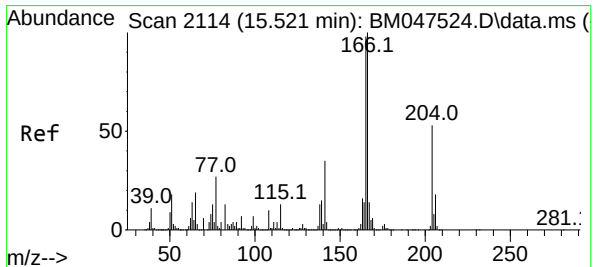
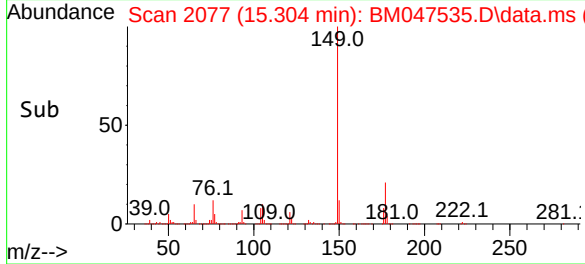
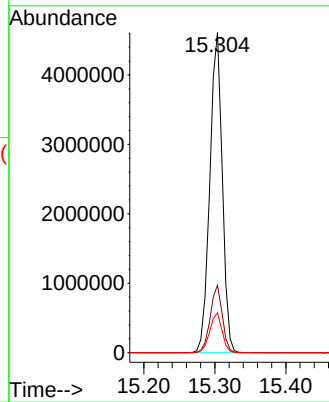
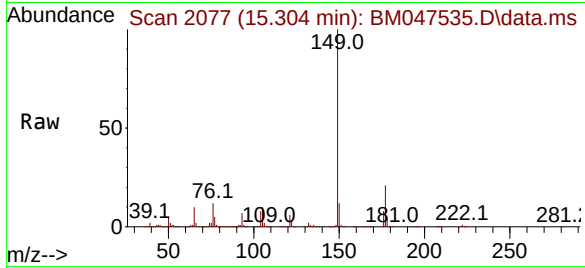




#60
Diethylphthalate
Concen: 92.622 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

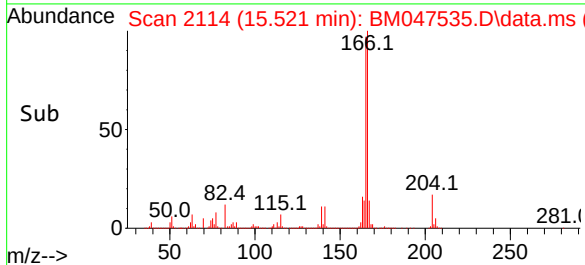
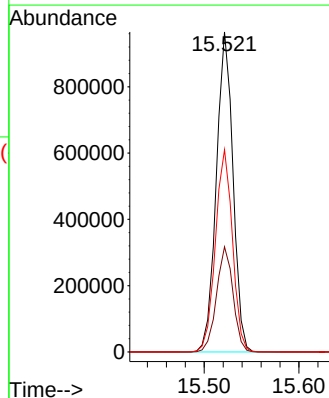
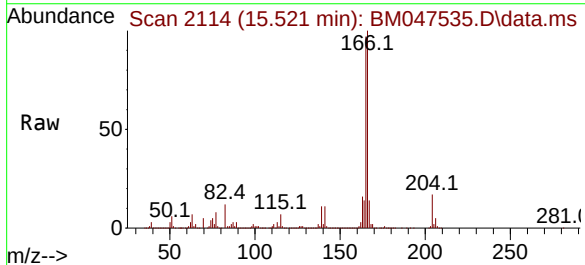
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BNA_M
ClientSampleId :
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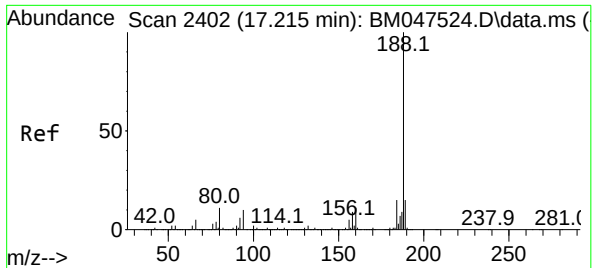
Tgt Ion:149 Resp: 5625960
Ion Ratio Lower Upper
149 100
177 21.1 15.8 23.8
150 12.5 9.7 14.5



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

Tgt Ion:204 Resp: 1178872
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 63.2 52.1 78.1

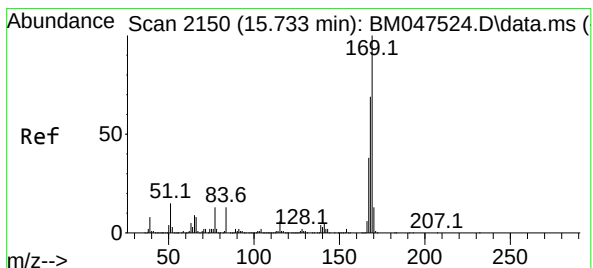
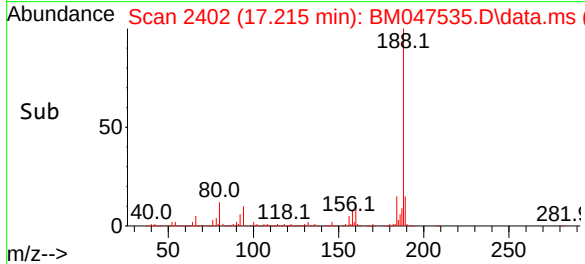
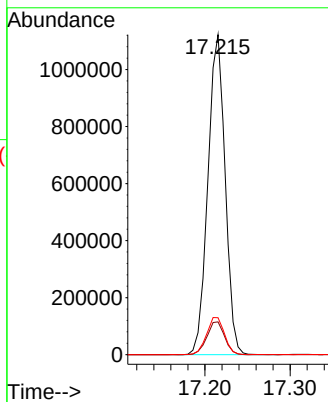
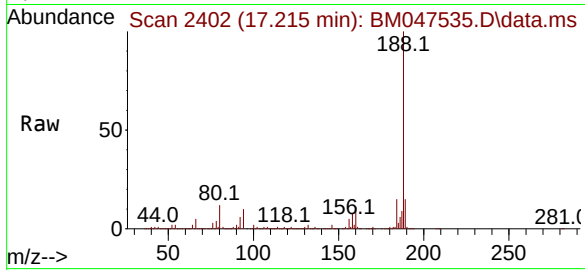




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

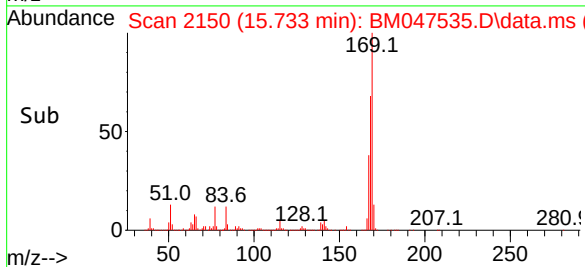
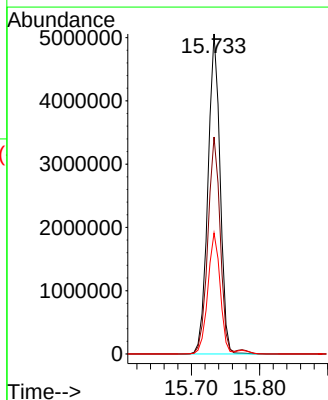
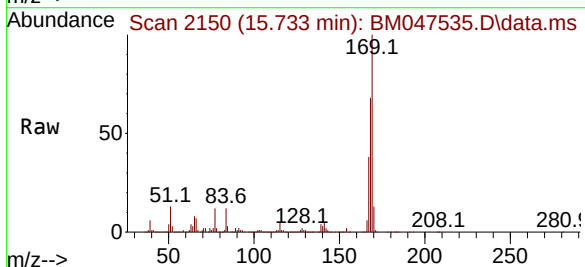
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

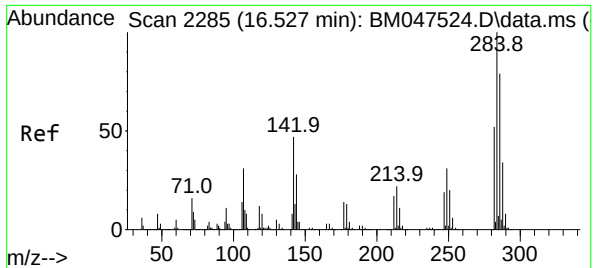
Tgt Ion:188 Resp: 1576550
Ion Ratio Lower Upper
188 100
94 10.3 8.4 12.6
80 11.5 9.1 13.7



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

Tgt Ion:169 Resp: 6279471
Ion Ratio Lower Upper
169 100
168 67.8 55.3 82.9
167 37.8 30.5 45.7

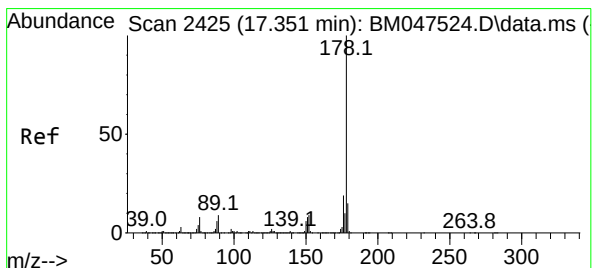
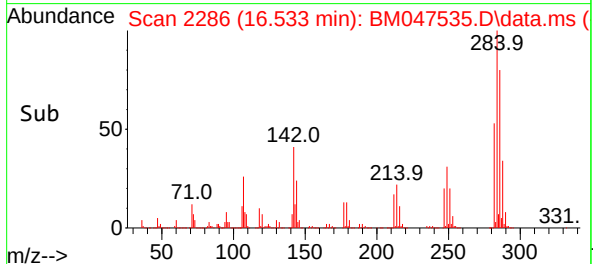
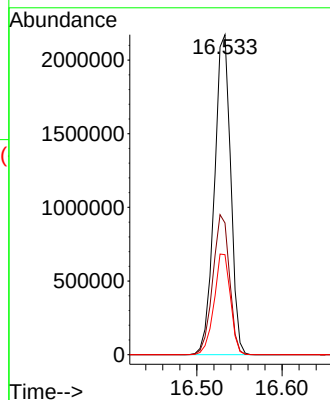
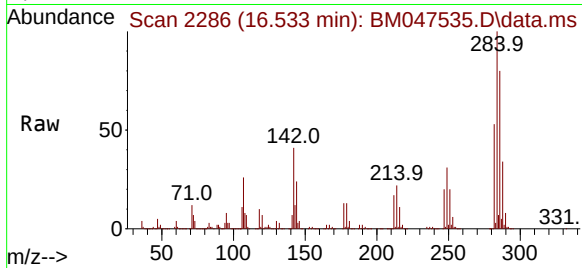




#68
Hexachlorobenzene
Concen: 165.608 ng
RT: 16.533 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

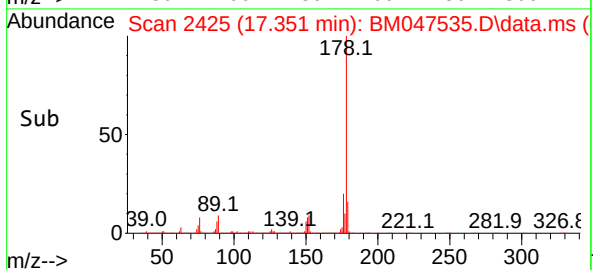
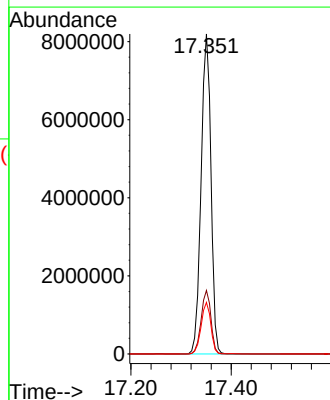
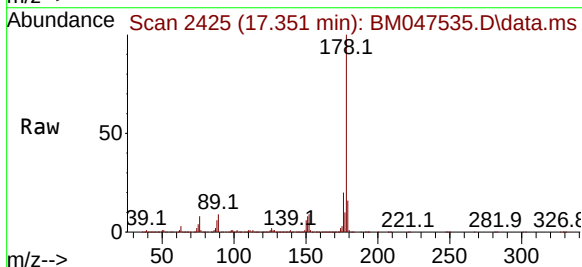
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

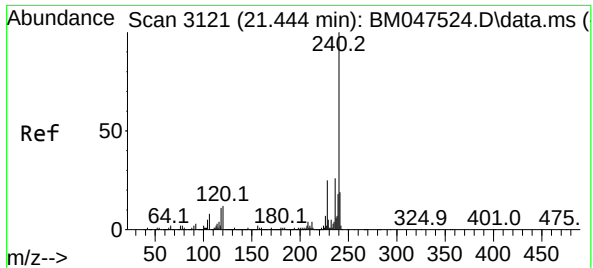
Tgt Ion:284 Resp: 2873965
Ion Ratio Lower Upper
284 100
142 41.1 37.3 55.9
249 31.3 24.5 36.7



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

Tgt Ion:178 Resp:11153136
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 16.1 12.3 18.5

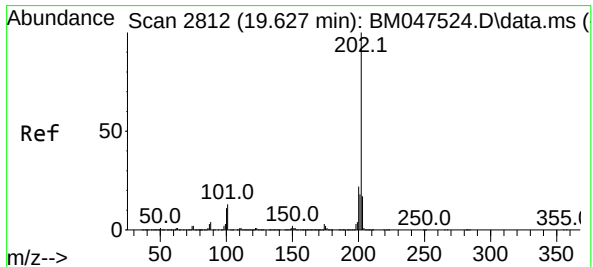
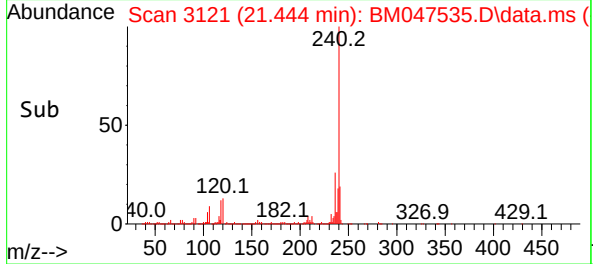
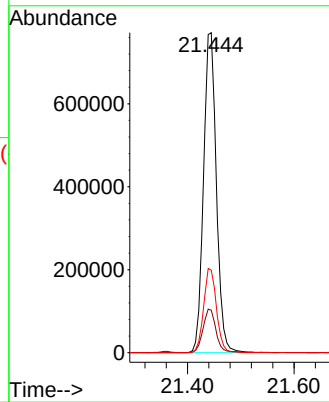
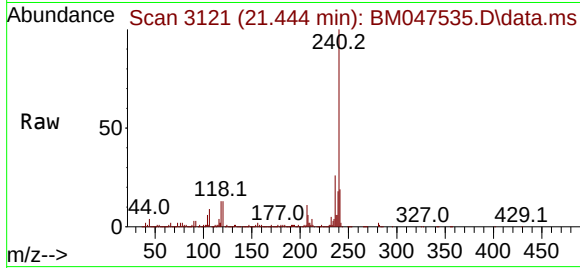




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

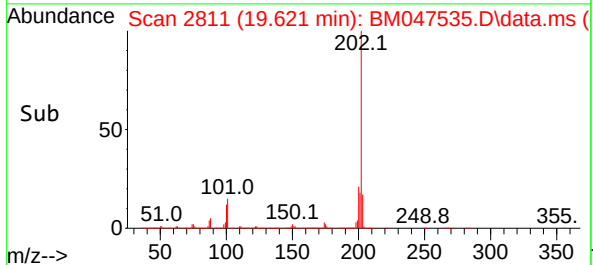
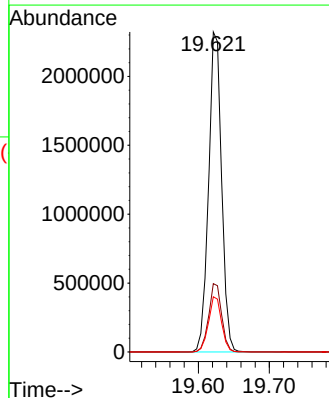
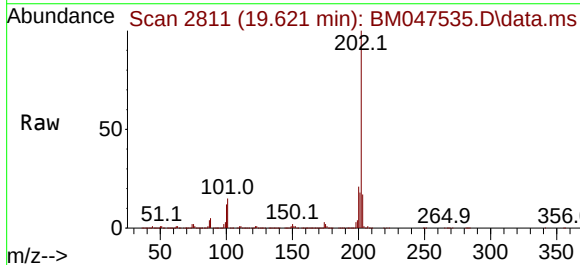
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

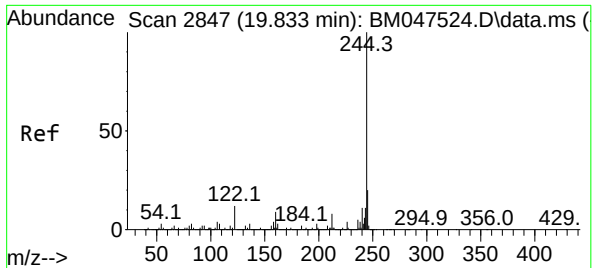
Tgt Ion:240 Resp: 1292096
Ion Ratio Lower Upper
240 100
120 13.3 9.6 14.4
236 25.8 20.9 31.3



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

Tgt Ion:202 Resp: 2964541
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.3 14.0 21.0

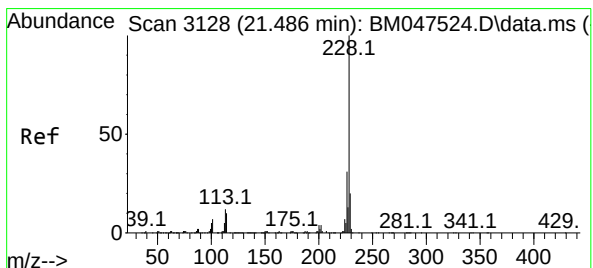
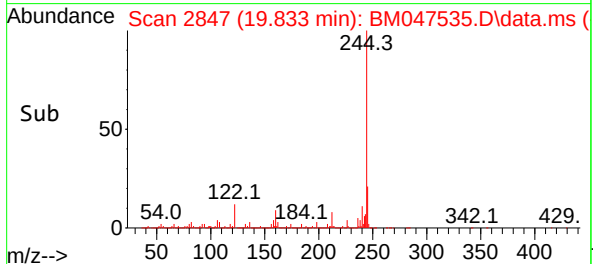
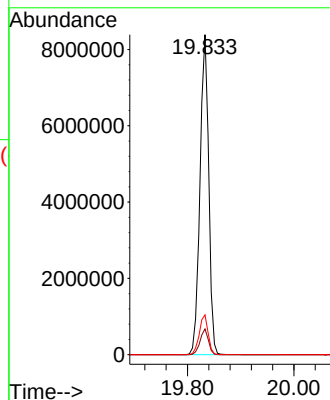
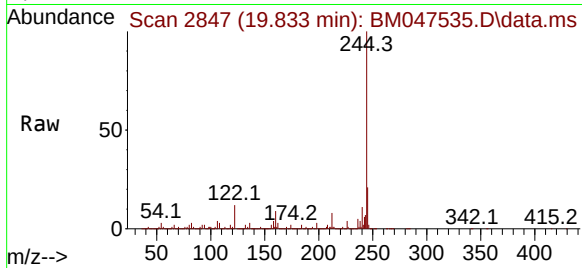




#79
Terphenyl-d14
Concen: 132.295 ng
RT: 19.833 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

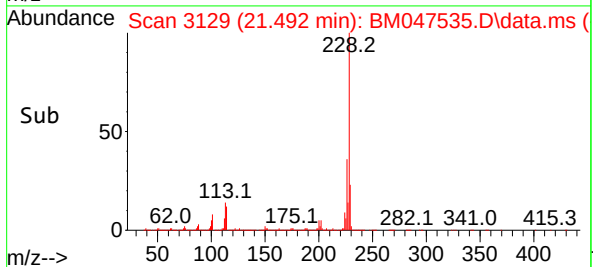
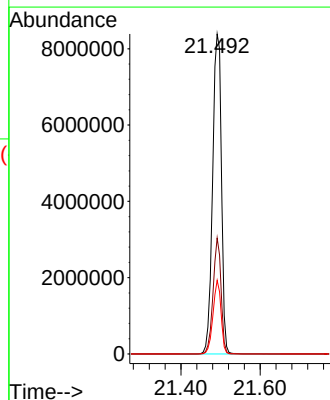
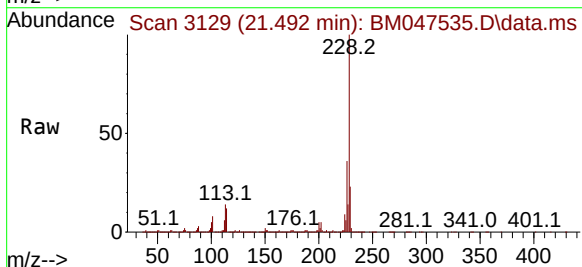
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

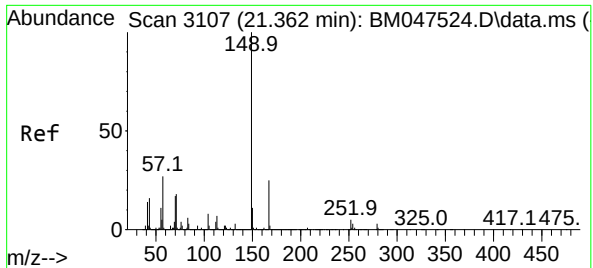
Tgt Ion:244 Resp: 9539238
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 12.5 9.6 14.4



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

Tgt Ion:228 Resp:12916478
Ion Ratio Lower Upper
228 100
226 36.3 25.0 37.6
229 23.0 15.9 23.9

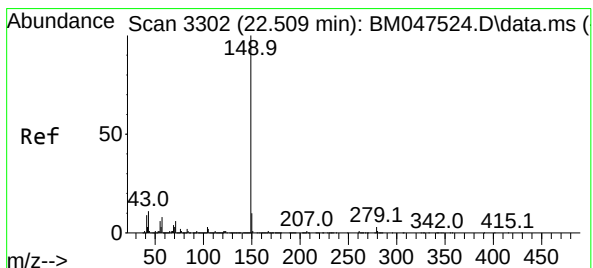
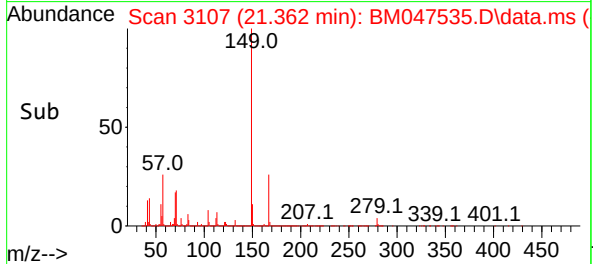
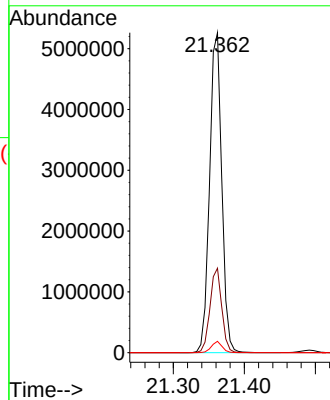
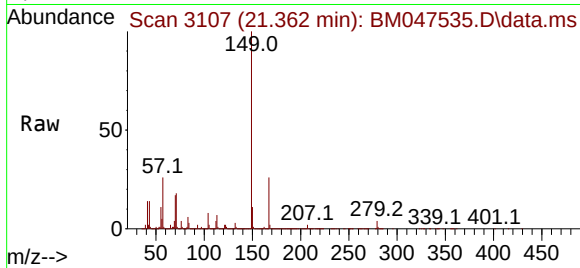




#84
Bis(2-ethylhexyl)phthalate
Concen: 110.292 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

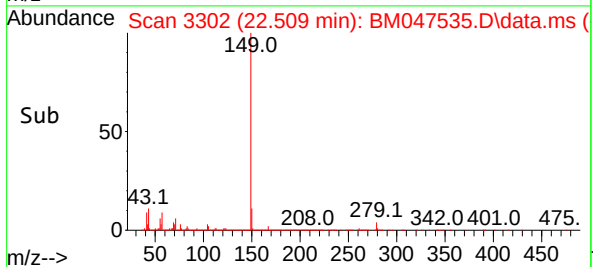
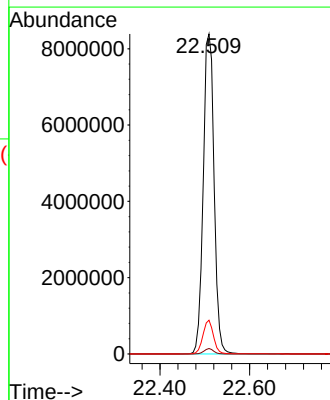
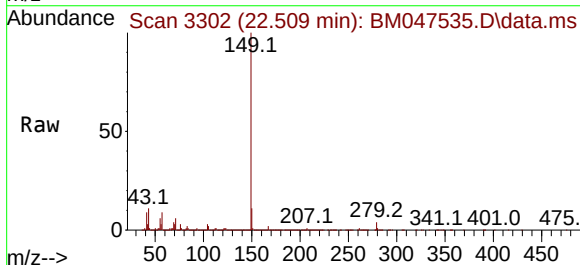
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

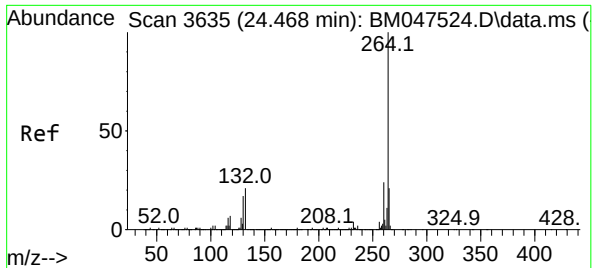
Tgt Ion:149 Resp: 6268556
Ion Ratio Lower Upper
149 100
167 26.4 20.2 30.4
279 3.5 2.6 4.0



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

Tgt Ion:149 Resp:14043193
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 10.4 8.9 13.3

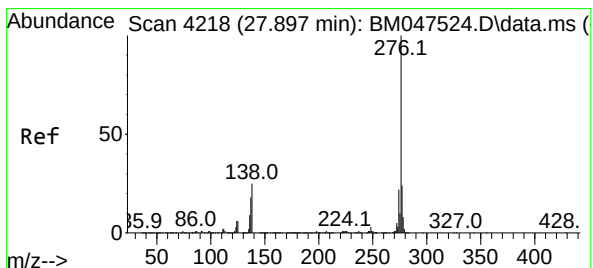
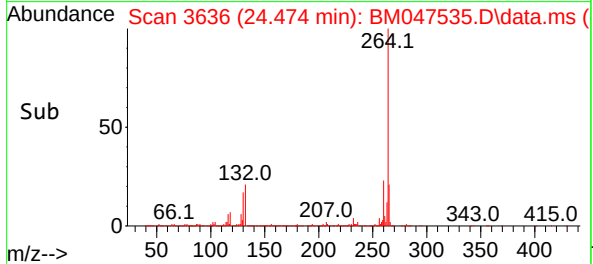
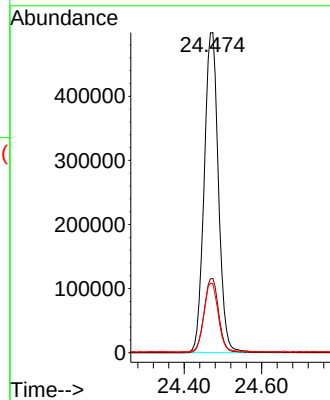
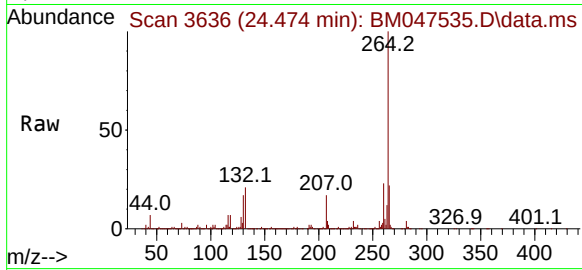




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 30
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

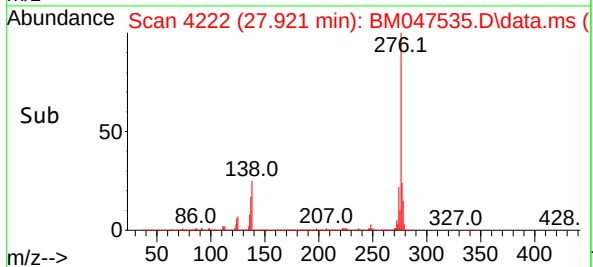
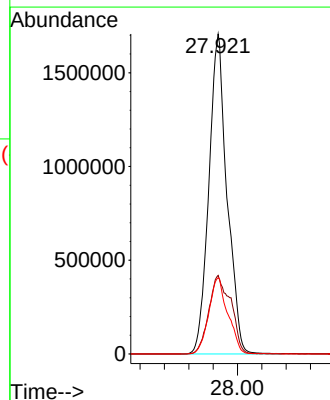
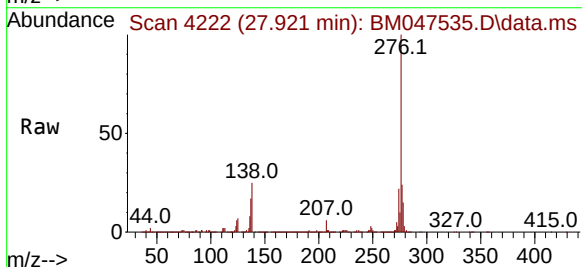
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

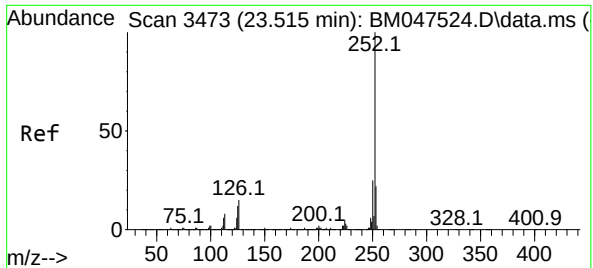
Tgt Ion:264 Resp: 1275489
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.5 17.4 26.2



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

Tgt Ion:276 Resp: 8839664
Ion Ratio Lower Upper
276 100
138 29.8 25.0 37.6
277 25.1 20.1 30.1

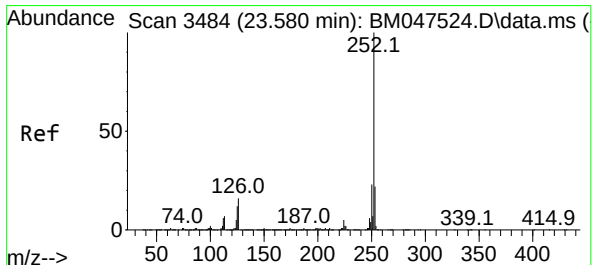
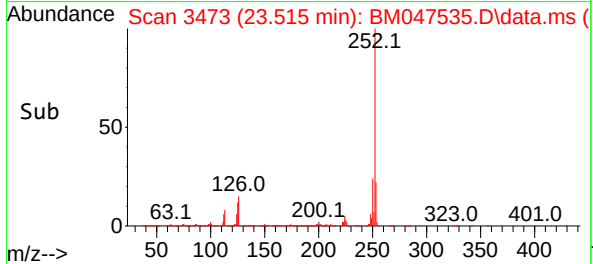
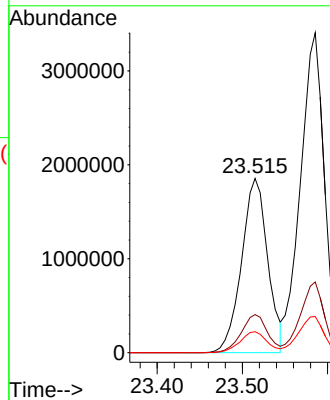
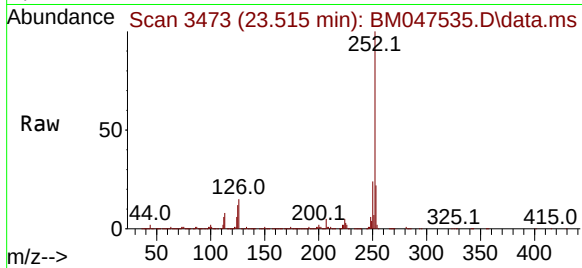




#88
Benzo(b)fluoranthene
Concen: 47.812 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

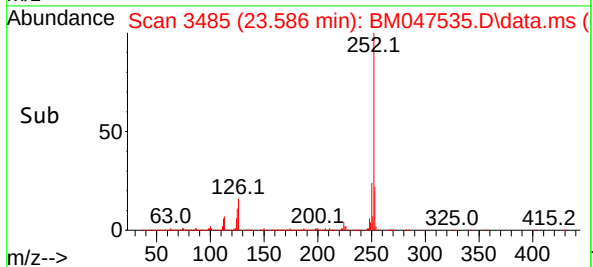
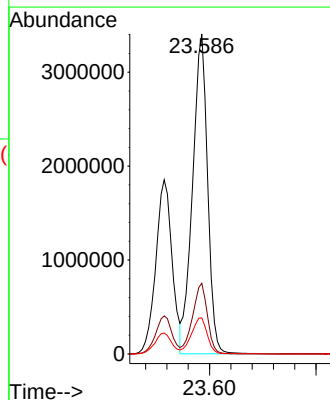
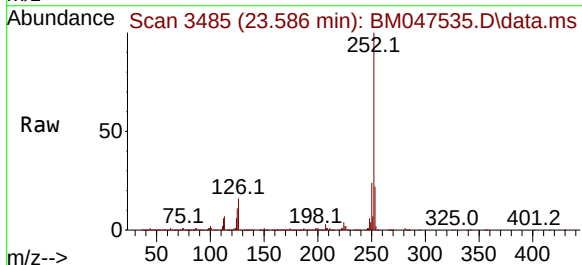
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

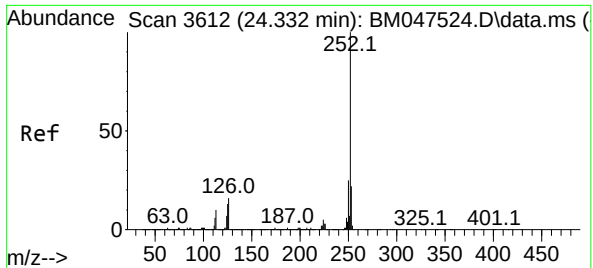
Tgt Ion:252 Resp: 3945768
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.1 9.5 14.3



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

Tgt Ion:252 Resp: 6654574
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 11.3 9.5 14.3

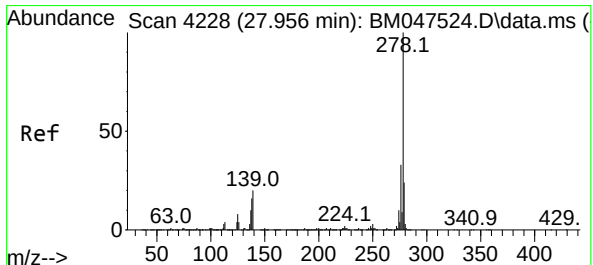
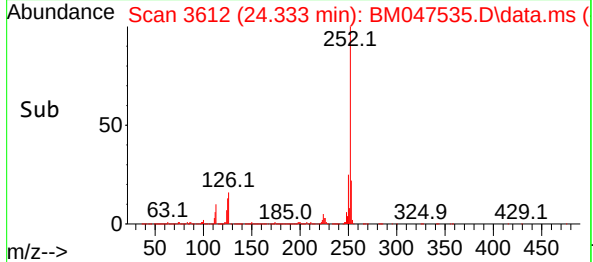
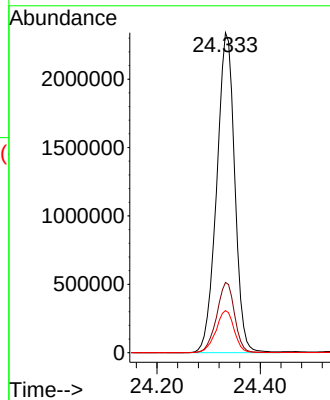
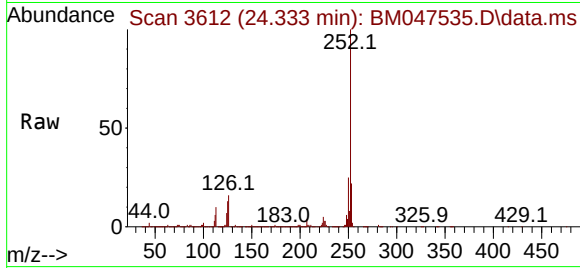




#90
Benzo(a)pyrene
Concen: 83.692 ng
RT: 24.333 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

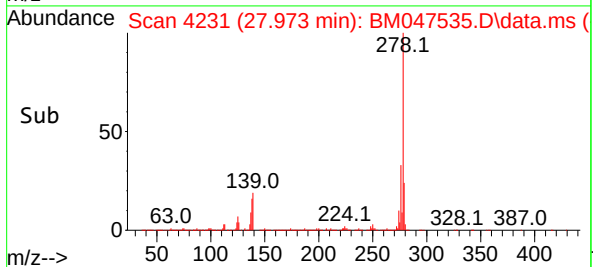
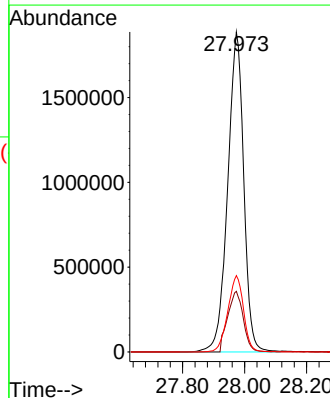
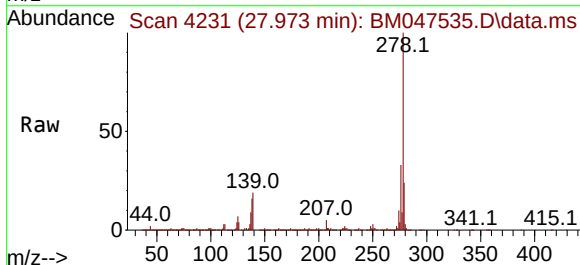
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

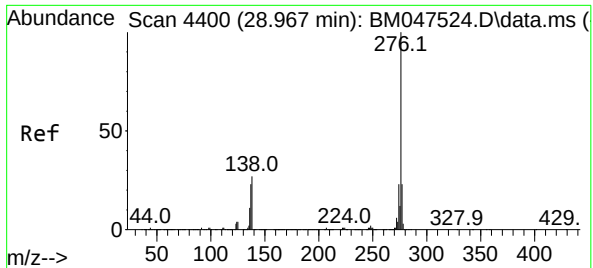
Tgt Ion:252 Resp: 5660846
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 13.2 10.2 15.4



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

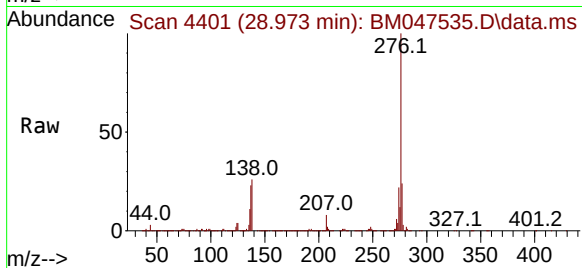
Tgt Ion:278 Resp: 6773810
Ion Ratio Lower Upper
278 100
139 18.9 15.9 23.9
279 23.9 19.3 28.9



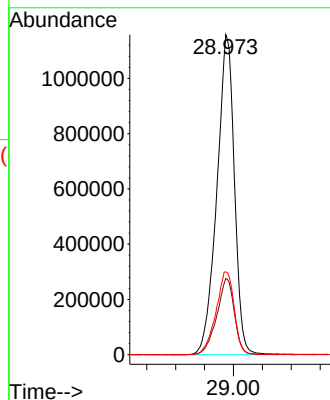
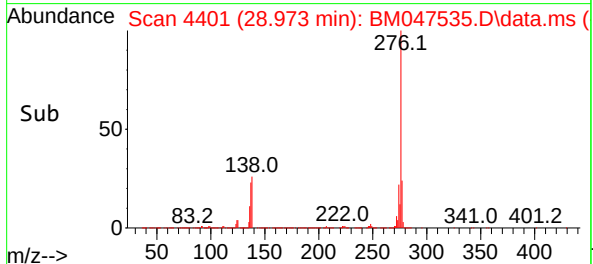


#92
Benzo(g,h,i)perylene
Concen: 77.773 ng
RT: 28.973 min Scan# 44
Delta R.T. 0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Instrument :
BNA_M
ClientSampleId :
PT-BN-WP



Tgt Ion:276 Resp: 4878960
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 25.9 21.5 32.3



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-03DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047536.D	5	09/12/24 08:40	09/16/24 16:12	PB163318

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-03DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047536.D	5	09/12/24 08:40	09/16/24 16:12	PB163318

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-BN-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-03DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047536.D	5	09/12/24 08:40	09/16/24 16:12	PB163318

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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

Instrument :
 BNA_M
 ClientSampleId :
 PT-BN-WPDL

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

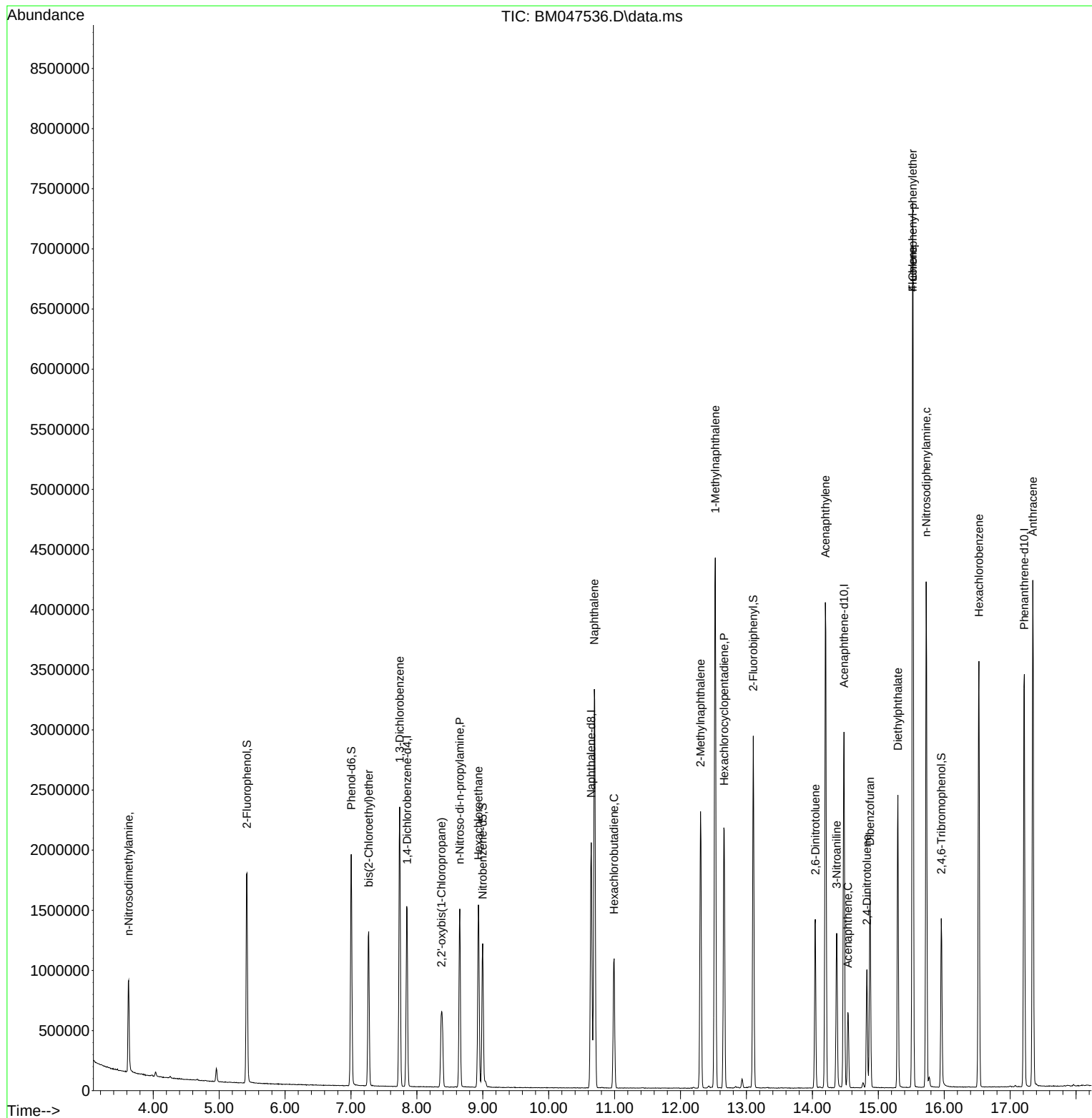
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	377823	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1623265	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	949493	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1818864	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1347119	20.000	ng	0.00
86) Perylene-d12	24.468	264	1275889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	734018	30.933	ng	0.00
7) Phenol-d6	7.004	99	992382	29.696	ng	0.00
23) Nitrobenzene-d5	8.998	82	665465	20.517	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	181384	19.764	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	1305866	18.945	ng	0.00
79) Terphenyl-d14	19.827	244	1782974	23.717	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.628	42	356838	25.996	ng	# 99
11) bis(2-Chloroethyl)ether	7.269	93	678098	25.243	ng	99
12) 1,3-Dichlorobenzene	7.739	146	863225	30.148	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	574680	15.208	ng	99
18) Hexachloroethane	8.933	117	312580	26.831	ng	95
19) n-Nitroso-di-n-propyla...	8.651	70	515796	22.893	ng	99
31) Naphthalene	10.692	128	2634257	30.048	ng	100
34) Hexachlorobutadiene	10.992	225	194944	14.047	ng	100
37) 2-Methylnaphthalene	12.304	142	1005200	17.227	ng	98
38) 1-Methylnaphthalene	12.527	142	1935401	33.377	ng	100
41) Hexachlorocyclopentadiene	12.663	237	498511	59.352	ng	99
49) Acenaphthylene	14.198	152	2676589	32.334	ng	99
51) 2,6-Dinitrotoluene	14.045	165	209271	15.318	ng	94
52) Acenaphthene	14.539	154	203075	3.501	ng	99
53) 3-Nitroaniline	14.368	138	265340	17.474	ng	99
55) Dibenzofuran	14.874	168	915756	11.236	ng	97
57) 2,4-Dinitrotoluene	14.827	165	206695	11.344	ng	92
58) Fluorene	15.521	166	2573022	35.065	ng	98
60) Diethylphthalate	15.298	149	1228185	17.832	ng	100
61) 4-Chlorophenyl-phenyle...	15.521	204	245994	7.332	ng	99
66) n-Nitrosodiphenylamine	15.727	169	1372755	24.671	ng	99
68) Hexachlorobenzene	16.527	284	580365	28.987	ng	100
72) Anthracene	17.345	178	2299599	23.878	ng	100
78) Pyrene	19.621	202	612806	6.236	ng	99
83) Chrysene	21.486	228	2459118	29.609	ng	99
84) Bis(2-ethylhexyl)phtha...	21.356	149	968770	16.349	ng	# 98
85) Di-n-octyl phthalate	22.503	149	2147339	25.619	ng	98
87) Indeno(1,2,3-cd)pyrene	27.879	276	1613527	21.132	ng	98
88) Benzo(b)fluoranthene	23.503	252	744359	9.017	ng	97
89) Benzo(k)fluoranthene	23.574	252	1173640	14.345	ng	99
90) Benzo(a)pyrene	24.321	252	1006301	14.873	ng	97
91) Dibenzo(a,h)anthracene	27.950	278	1203491	18.734	ng	99
92) Benzo(g,h,i)perylene	28.950	276	954289	15.207	ng	98

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

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

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

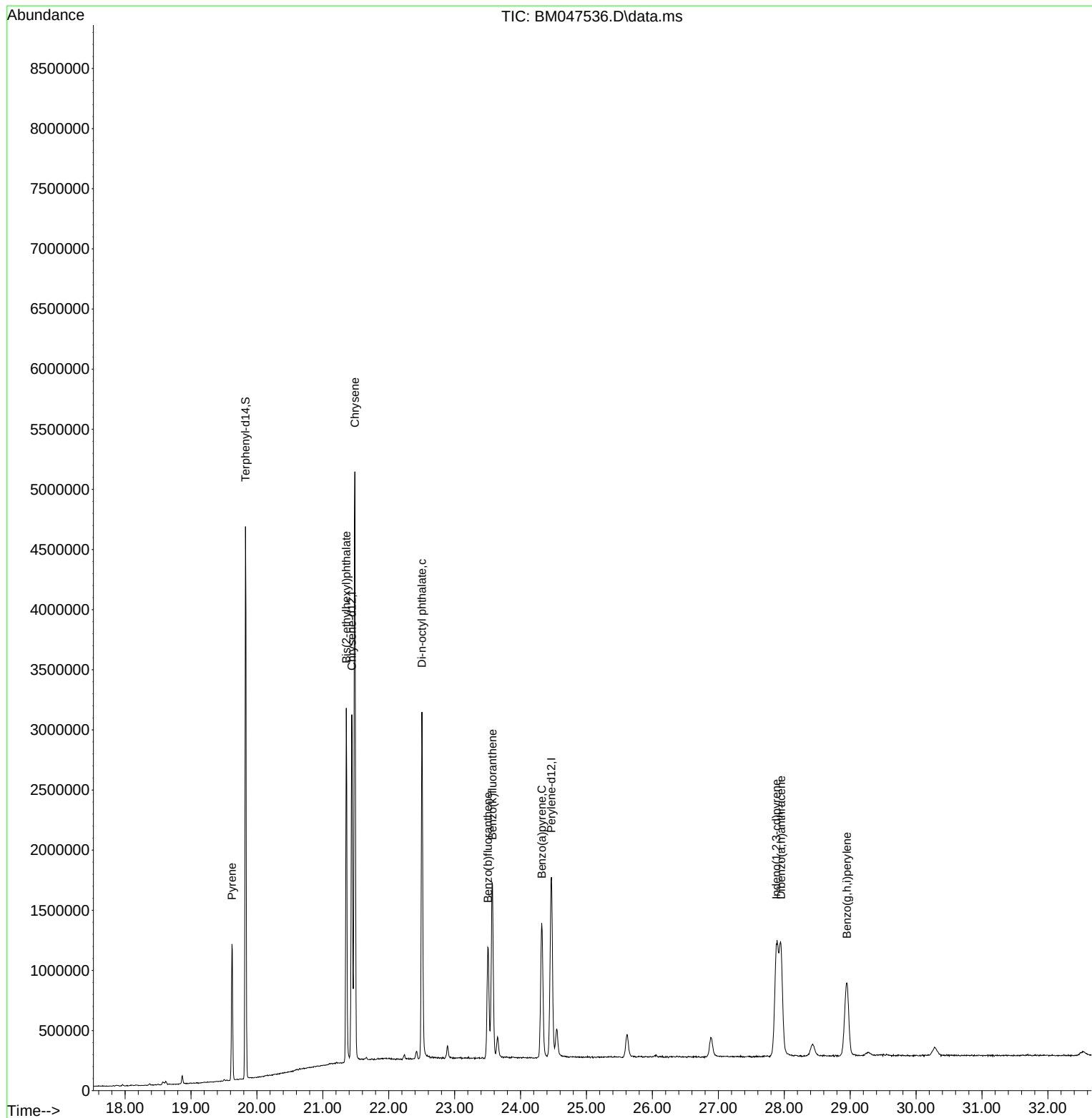
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

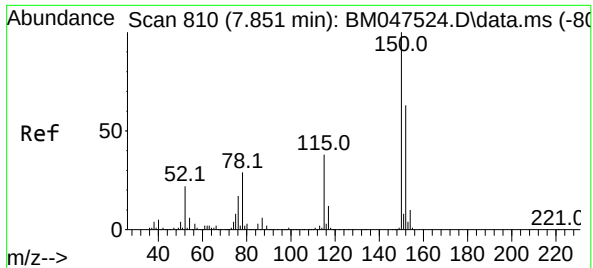


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Data File : BM047536.D
Acq On : 16 Sep 2024 16:12
Operator : RC/JU
Sample : P3845-03DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

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

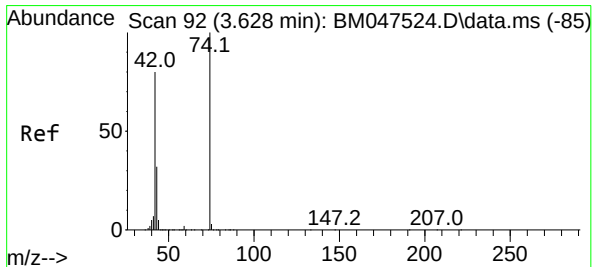
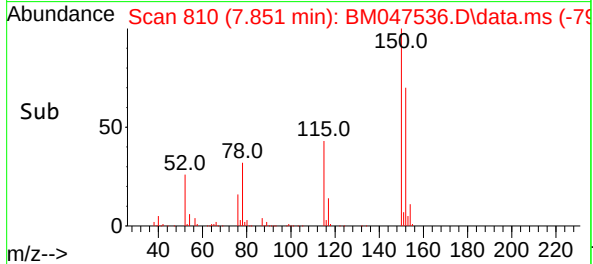
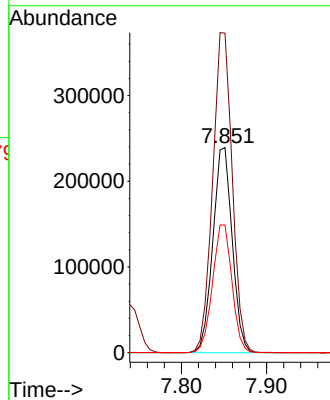
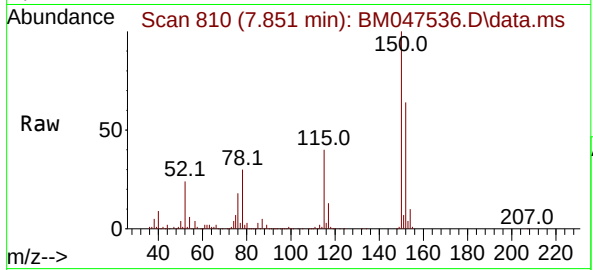




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

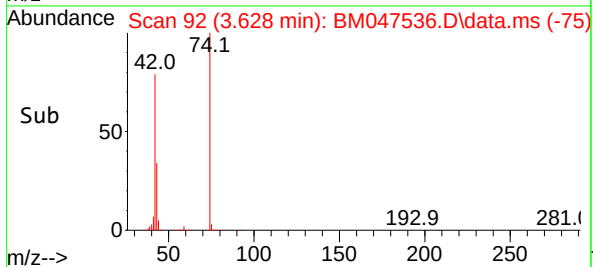
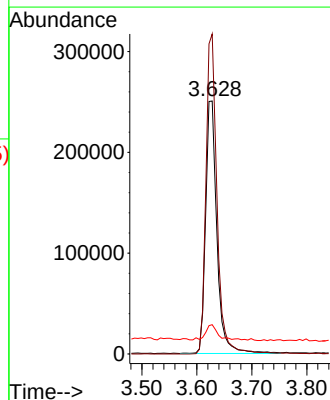
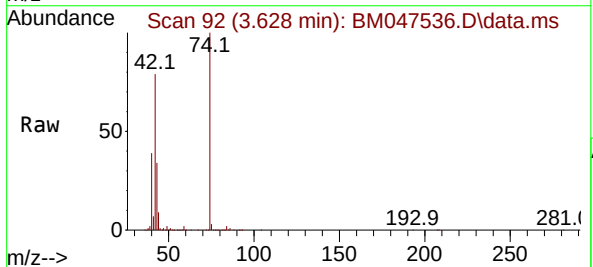
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

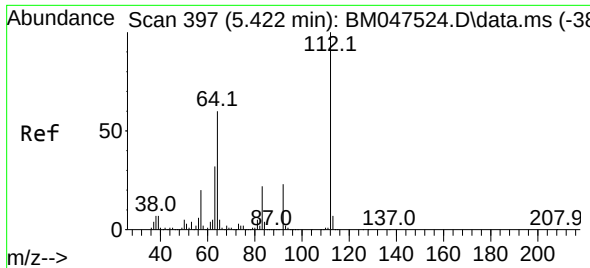
Tgt Ion:152 Resp: 377823
Ion Ratio Lower Upper
152 100
150 155.7 126.8 190.2
115 62.2 47.8 71.8



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

Tgt Ion: 42 Resp: 356838
Ion Ratio Lower Upper
42 100
74 126.5 100.5 150.7
44 11.6 6.9 10.3#

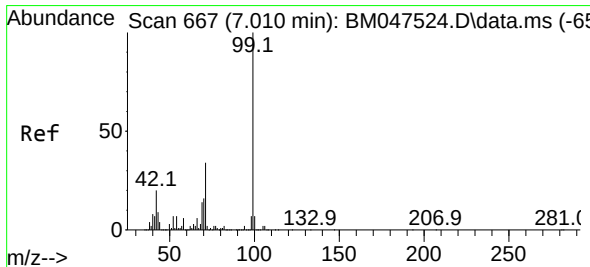
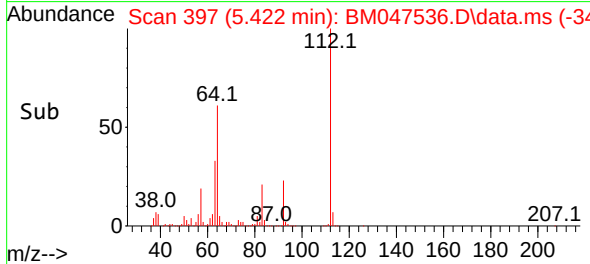
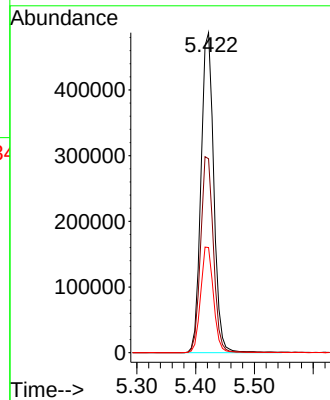
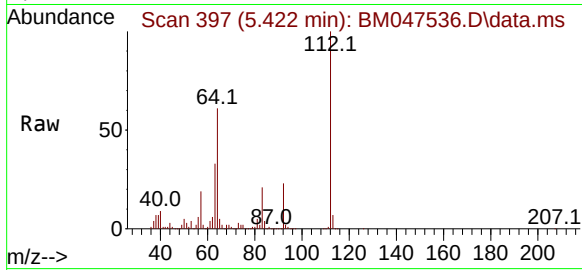




#5
2-Fluorophenol
Concen: 30.933 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

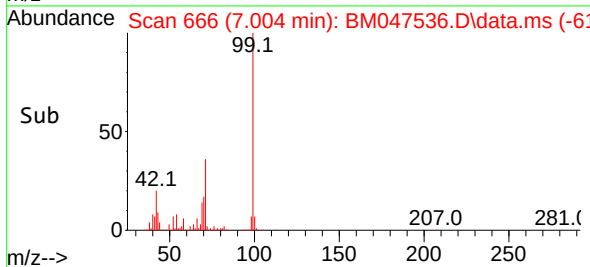
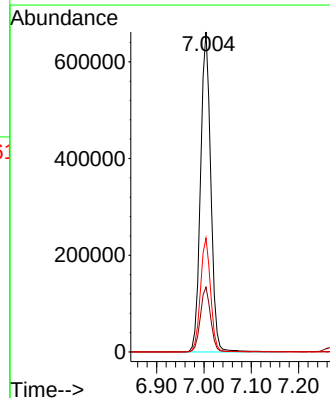
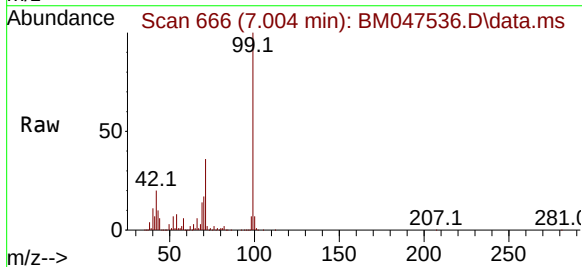
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

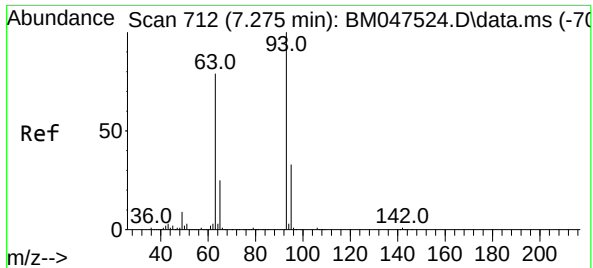
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.2	72.4
63	32.8	26.0	39.0



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

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

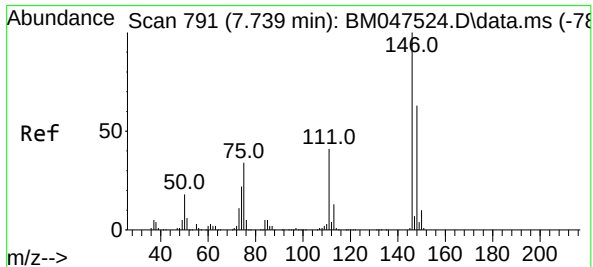
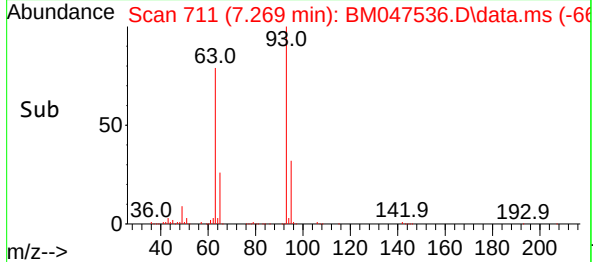
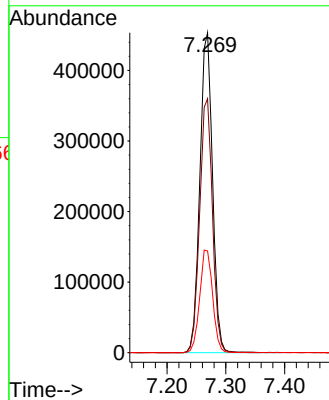
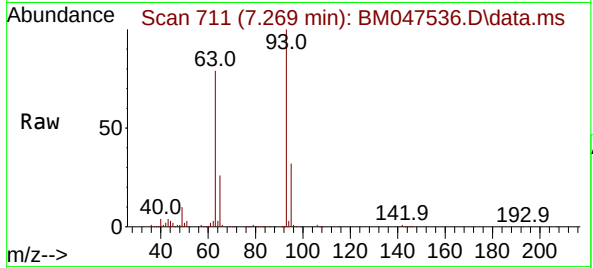




#11
bis(2-Chloroethyl)ether
Concen: 25.243 ng
RT: 7.269 min Scan# 711
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

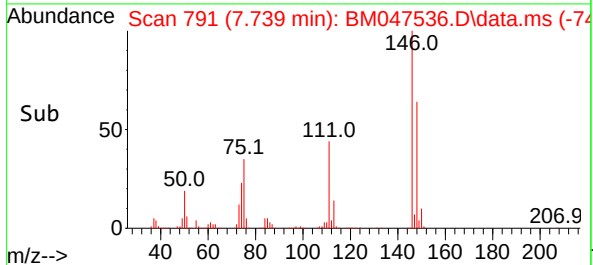
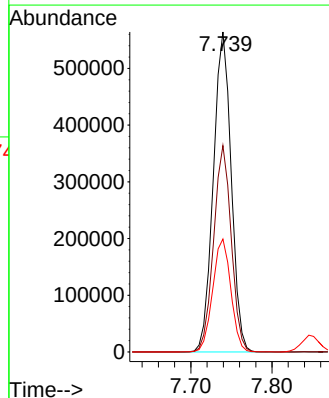
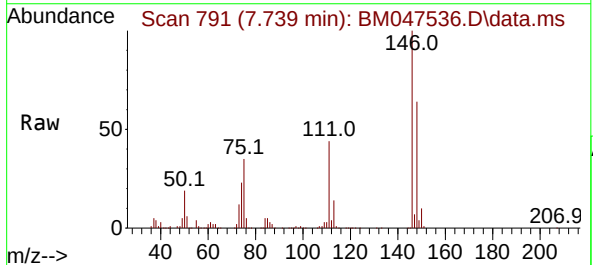
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

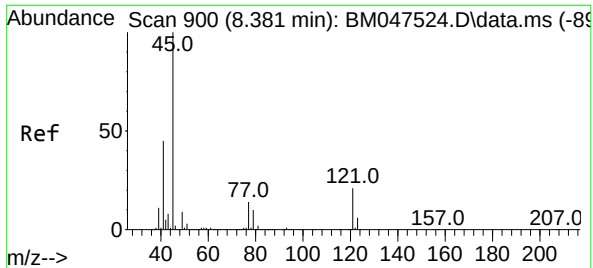
Tgt Ion: 93 Resp: 678098
Ion Ratio Lower Upper
93 100
63 79.3 58.2 98.2
95 31.8 12.8 52.8



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

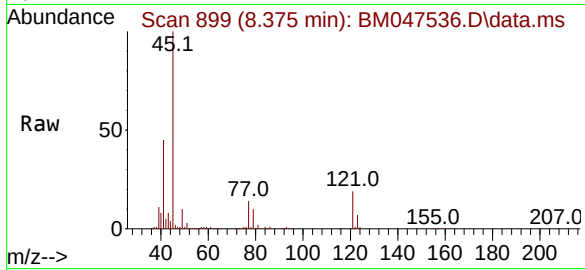
Tgt Ion: 146 Resp: 863225
Ion Ratio Lower Upper
146 100
148 64.5 50.2 75.4
75 35.3 27.4 41.0



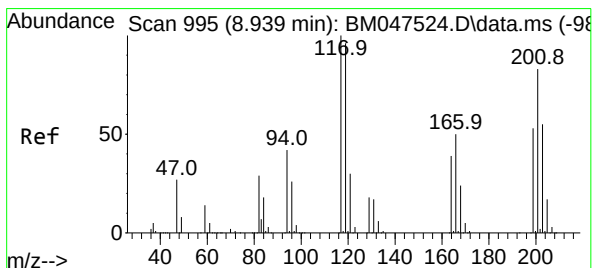
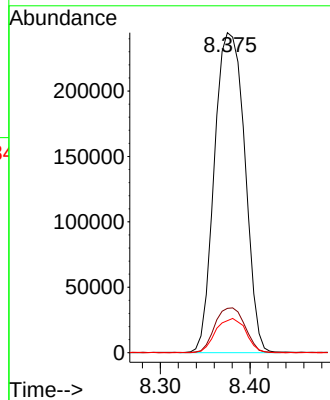
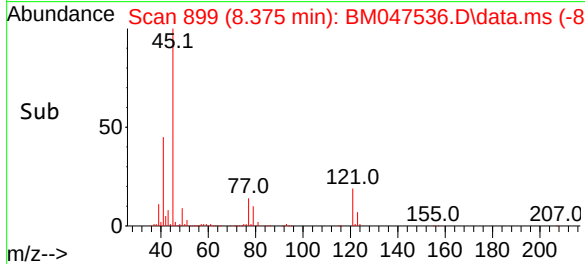


#16
2,2'-oxybis(1-chloropropane)
Concen: 15.208 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

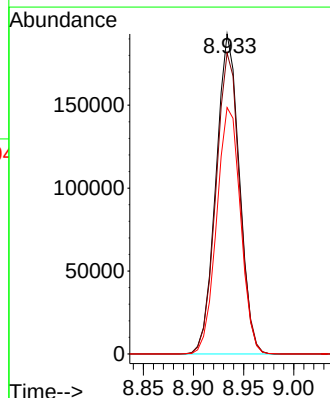
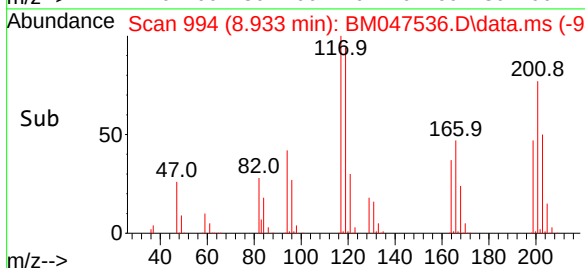
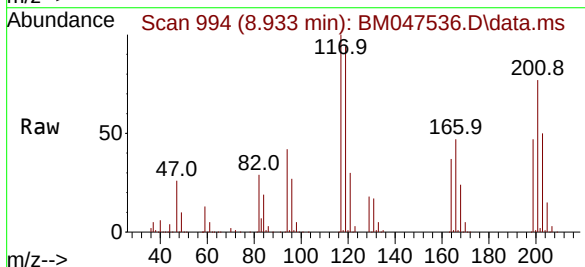


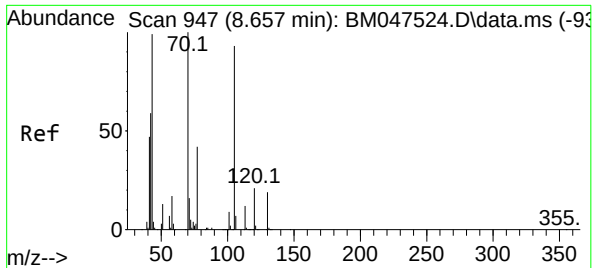
Tgt Ion: 45 Resp: 574680
Ion Ratio Lower Upper
45 100
77 13.8 0.0 33.7
79 10.0 0.0 30.3



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

Tgt Ion: 117 Resp: 312580
Ion Ratio Lower Upper
117 100
119 94.1 77.0 115.4
201 77.0 66.8 100.2



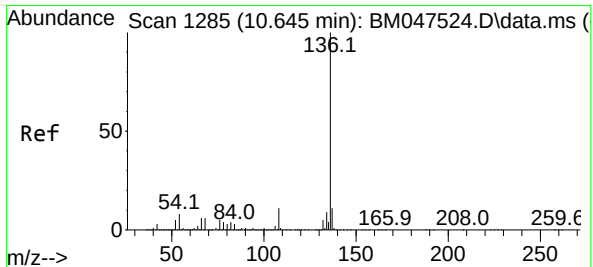
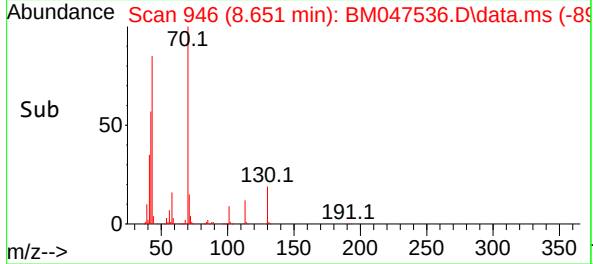
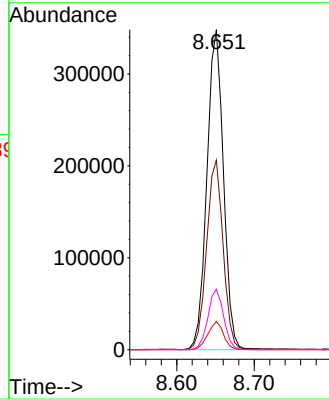
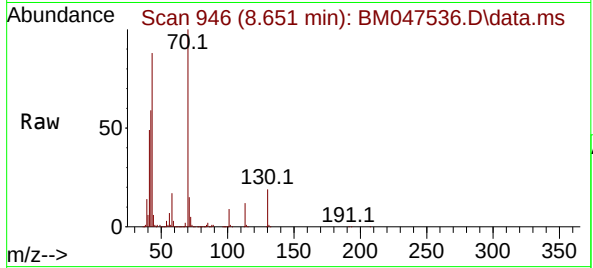


#19
n-Nitroso-di-n-propylamine
Concen: 22.893 ng
RT: 8.651 min Scan# 947
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

Tgt Ion: 70 Resp: 515796

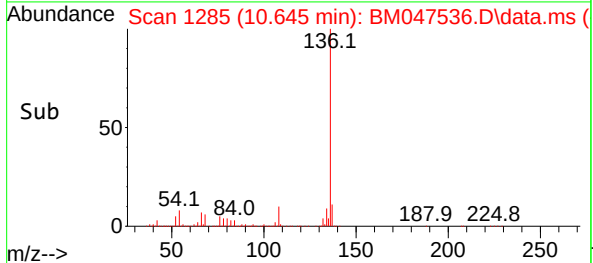
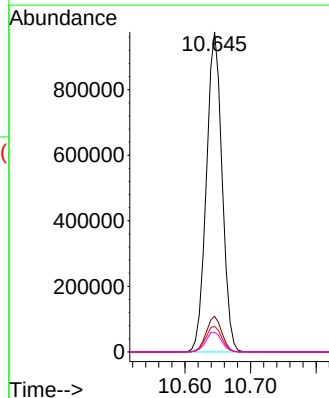
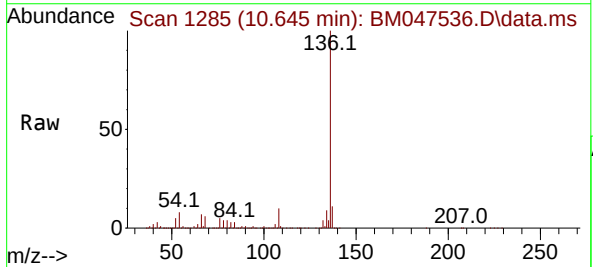
Ion	Ratio	Lower	Upper
70	100		
42	59.2	48.2	72.2
101	8.8	7.0	10.4
130	18.9	15.3	22.9

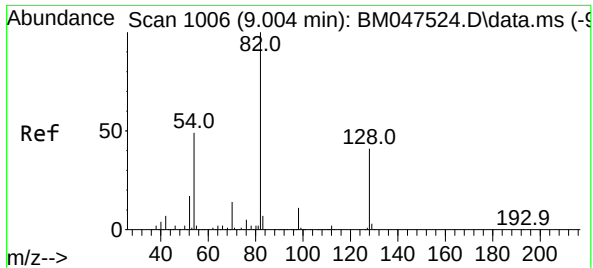


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Tgt Ion: 136 Resp: 1623265

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





#23

Nitrobenzene-d5

Concen: 20.517 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM047536.D

Acq: 16 Sep 2024 16:12

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

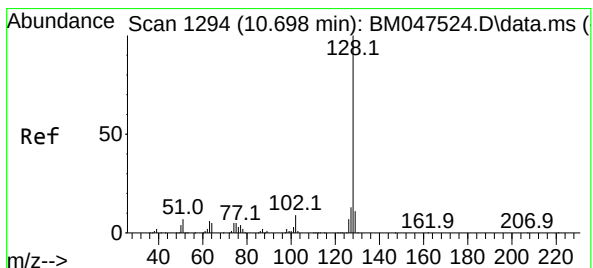
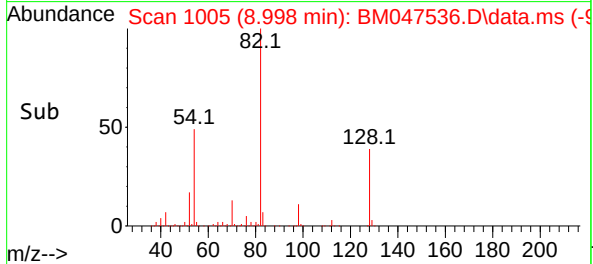
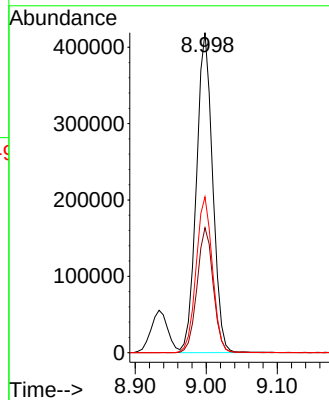
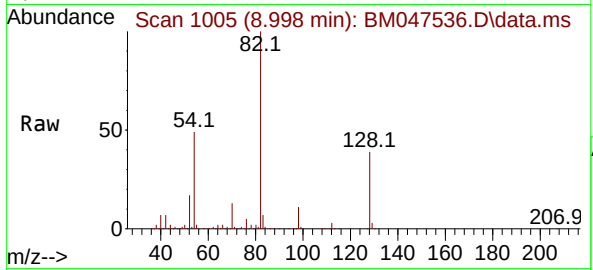
Tgt Ion: 82 Resp: 665465

Ion Ratio Lower Upper

82 100

128 39.0 33.0 49.4

54 48.7 39.3 58.9



#31

Naphthalene

Concen: 30.048 ng

RT: 10.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BM047536.D

Acq: 16 Sep 2024 16:12

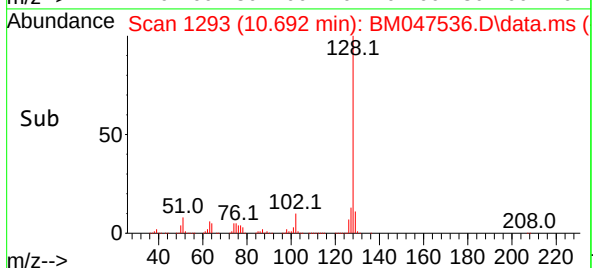
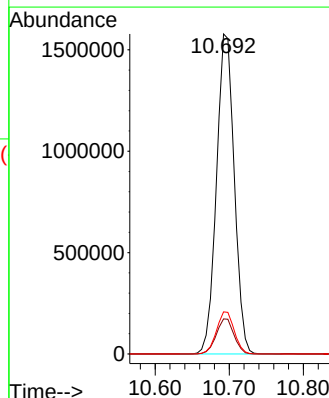
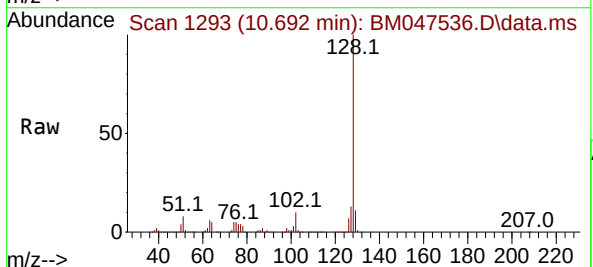
Tgt Ion: 128 Resp: 2634257

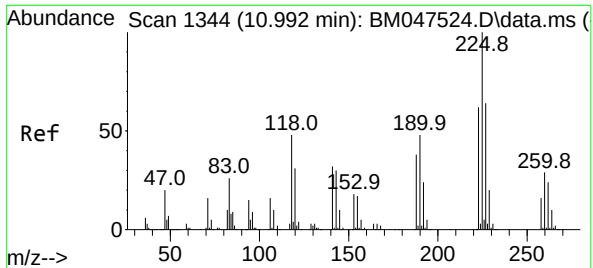
Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.2 10.5 15.7

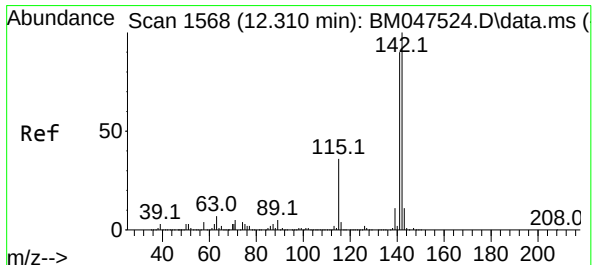
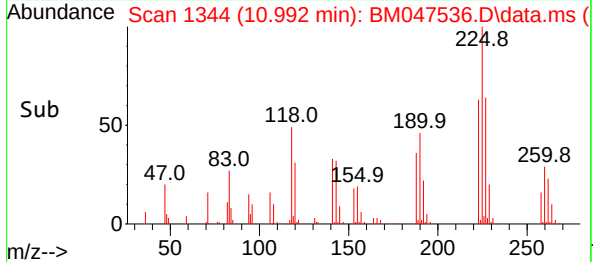
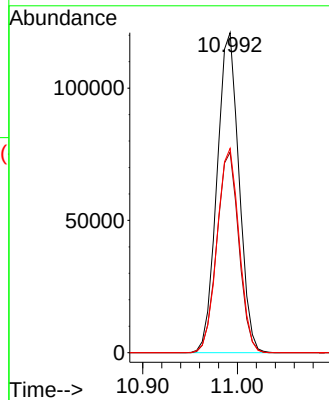
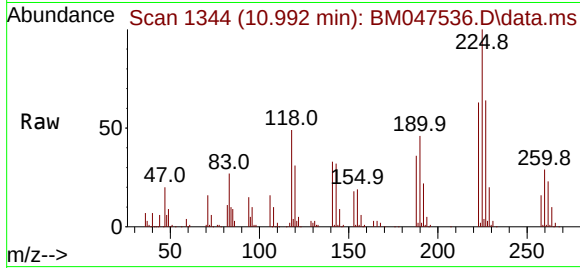




#34
Hexachlorobutadiene
Concen: 14.047 ng
RT: 10.992 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

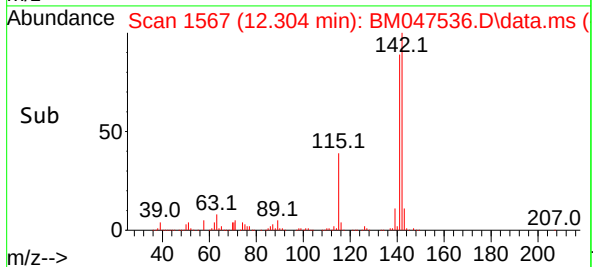
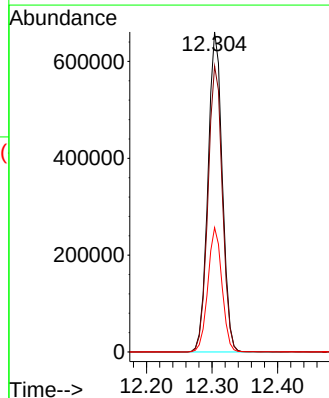
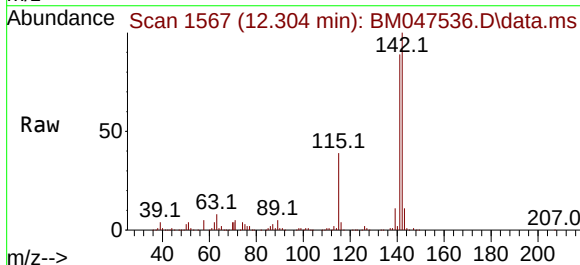
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

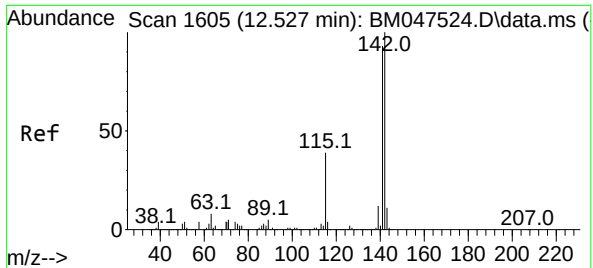
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	63.9	51.0	76.4



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

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





#38

1-Methylnaphthalene

Concen: 33.377 ng

RT: 12.527 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047536.D

Acq: 16 Sep 2024 16:12

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL

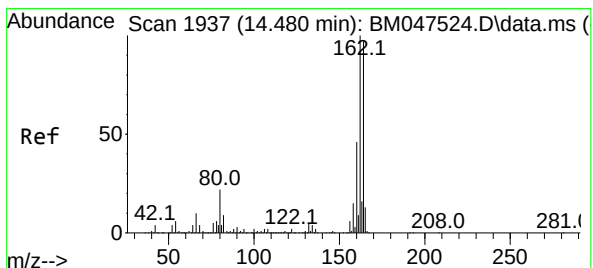
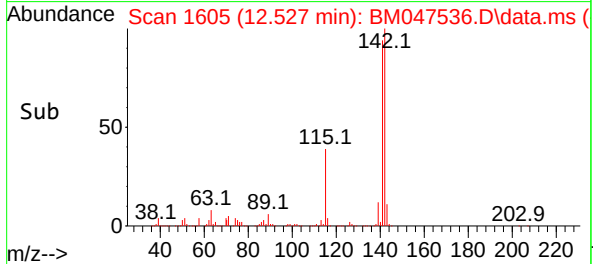
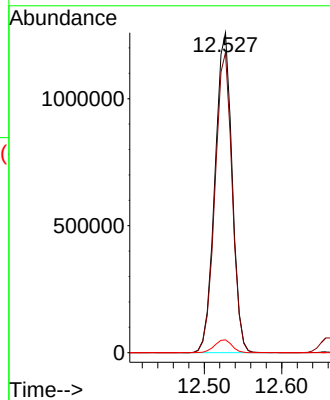
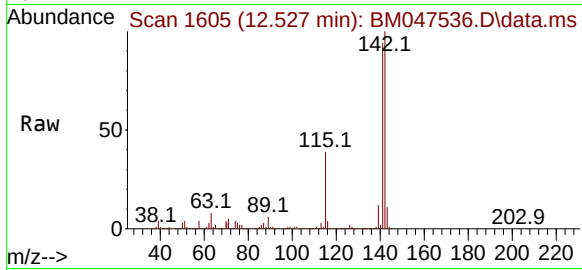
Tgt Ion:142 Resp: 1935401

Ion Ratio Lower Upper

142 100

141 93.8 74.7 112.1

116 4.0 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM047536.D

Acq: 16 Sep 2024 16:12

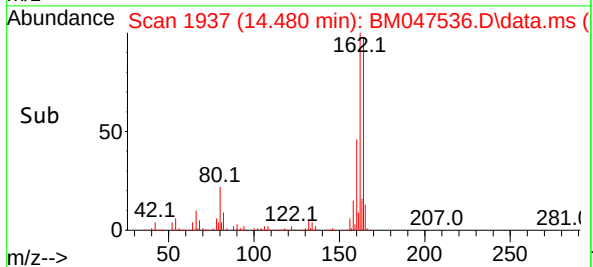
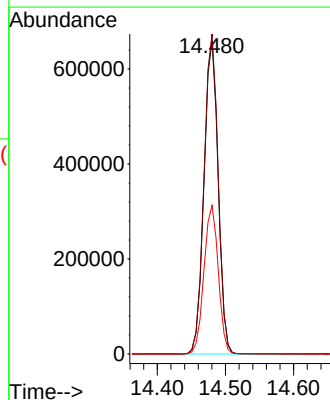
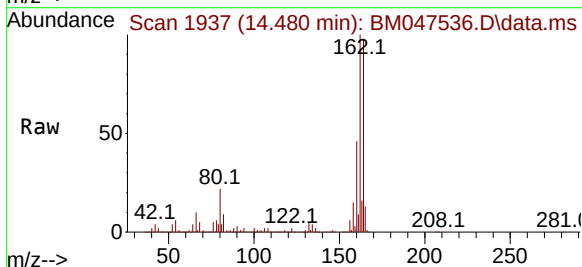
Tgt Ion:164 Resp: 949493

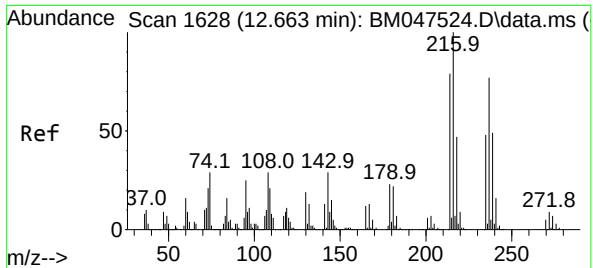
Ion Ratio Lower Upper

164 100

162 102.2 82.2 123.2

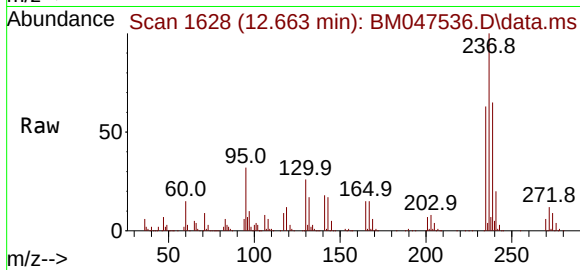
160 47.4 38.2 57.2



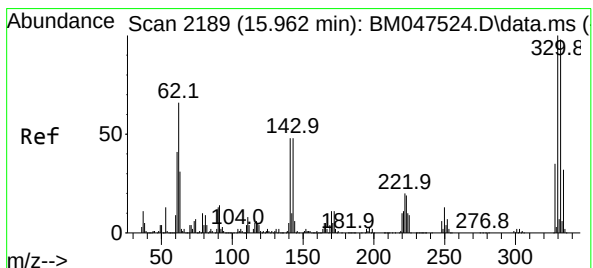
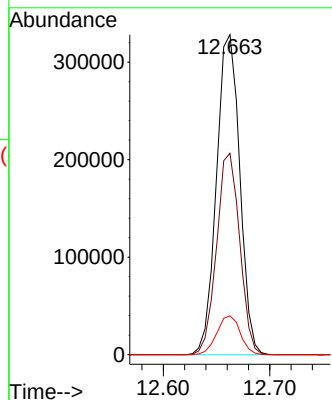
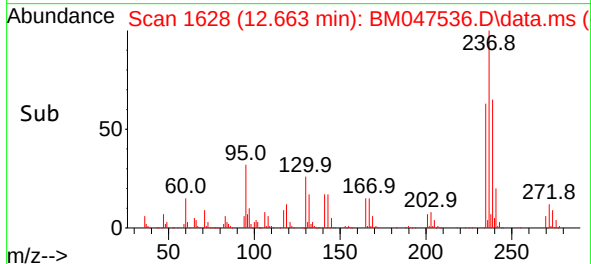


#41
Hexachlorocyclopentadiene
Concen: 59.352 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

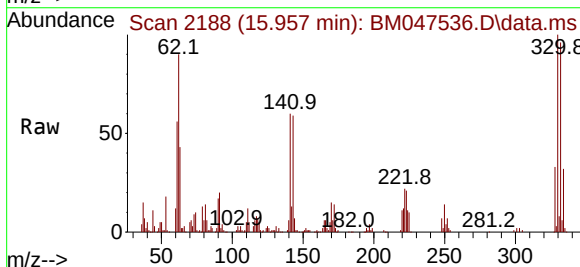
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL



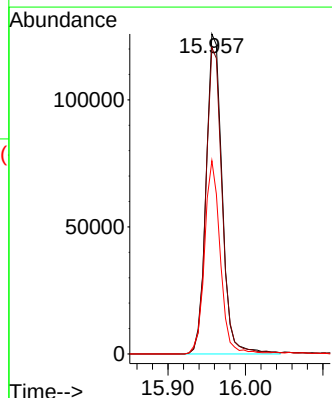
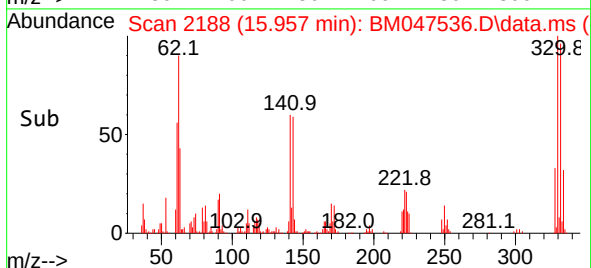
Tgt Ion:237 Resp: 498511
Ion Ratio Lower Upper
237 100
235 63.0 42.0 82.0
272 12.1 0.0 31.5

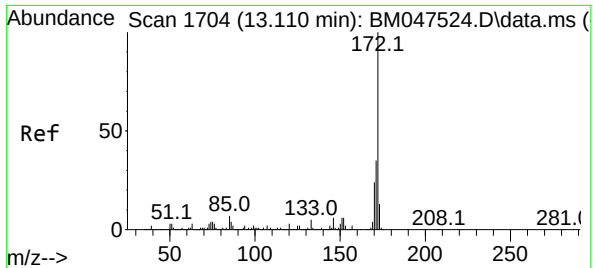


#42
2,4,6-Tribromophenol
Concen: 19.764 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12



Tgt Ion:330 Resp: 181384
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 58.9 42.2 63.2

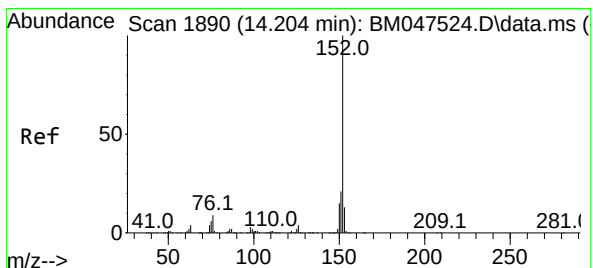
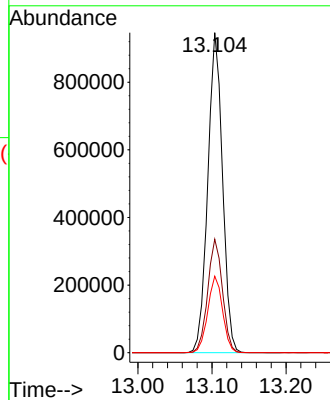
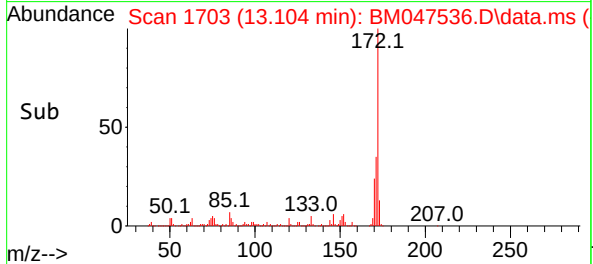
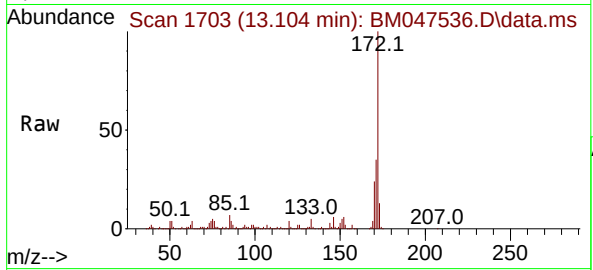




#45
2-Fluorobiphenyl
Concen: 18.945 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

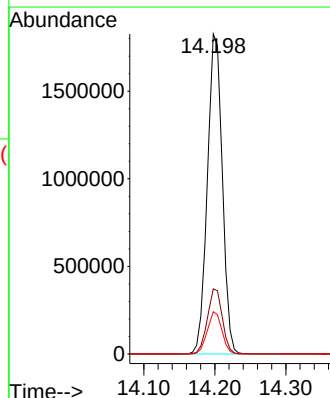
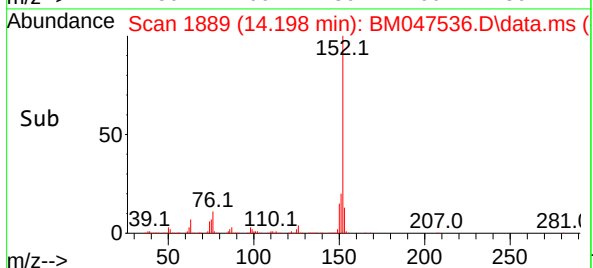
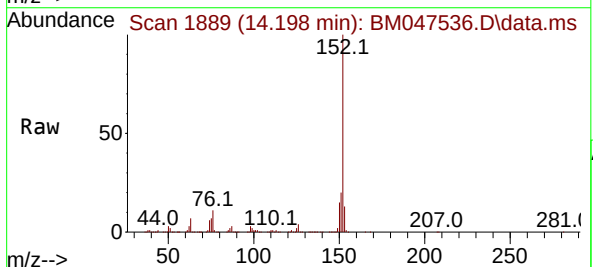
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

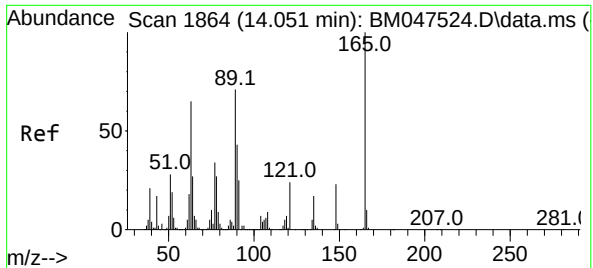
Tgt Ion:172 Resp: 1305866
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.9 19.4 29.0



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

Tgt Ion:152 Resp: 2676589
Ion Ratio Lower Upper
152 100
151 20.3 16.5 24.7
153 13.2 10.4 15.6

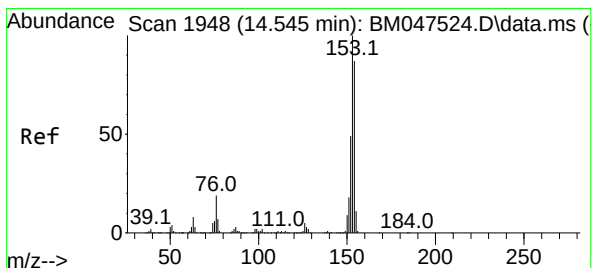
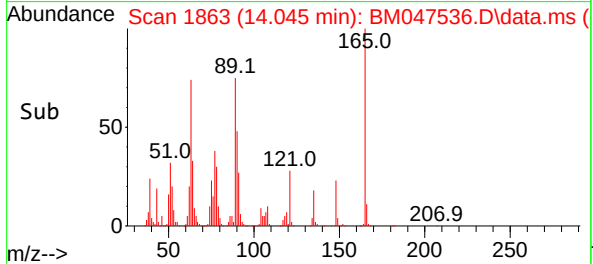
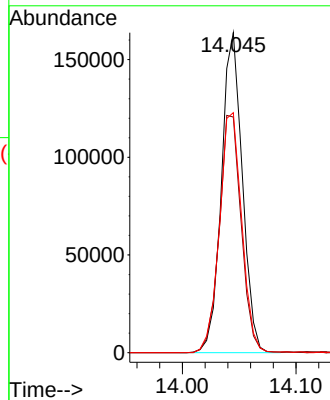
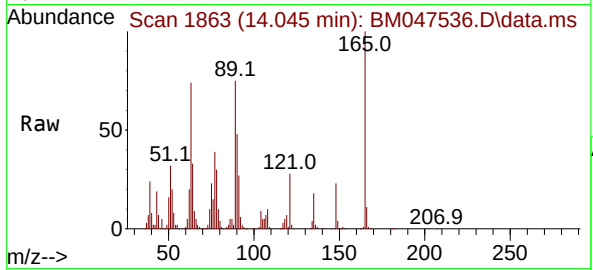




#51
2,6-Dinitrotoluene
Concen: 15.318 ng
RT: 14.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

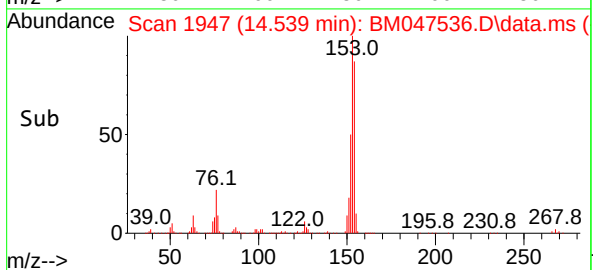
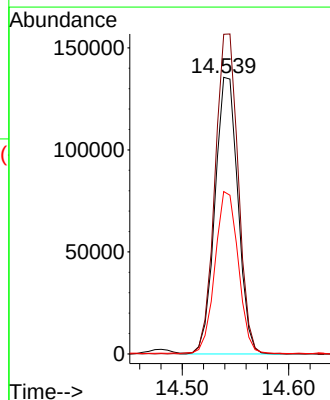
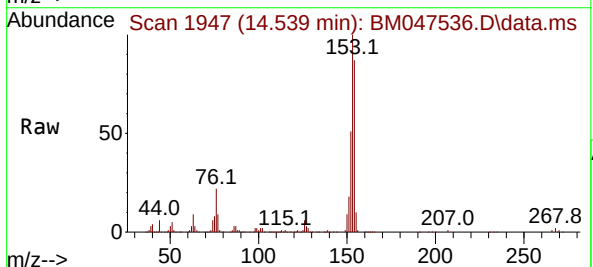
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

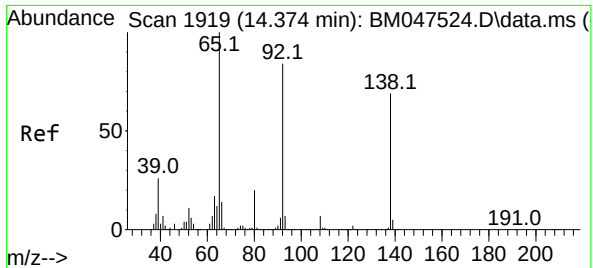
Tgt Ion:165 Resp: 209271
Ion Ratio Lower Upper
165 100
63 73.7 54.2 81.2
89 75.0 56.4 84.6



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

Tgt Ion:154 Resp: 203075
Ion Ratio Lower Upper
154 100
153 115.5 92.2 138.2
152 58.7 45.4 68.0

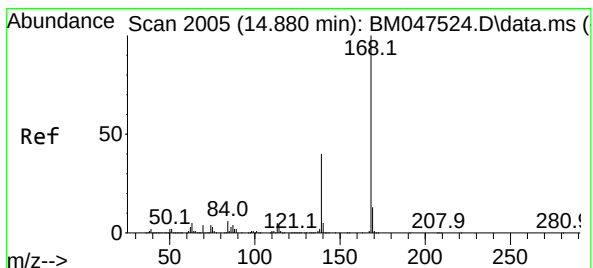
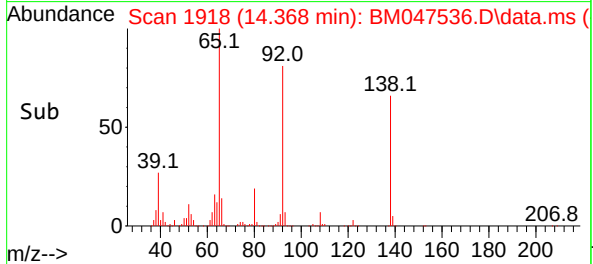
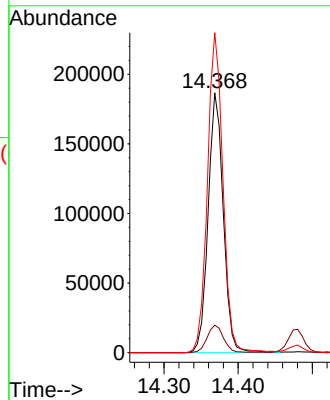
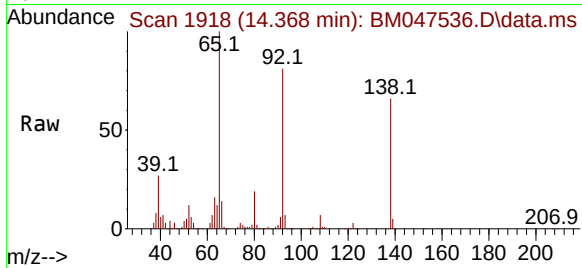




#53
3-Nitroaniline
Concen: 17.474 ng
RT: 14.368 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

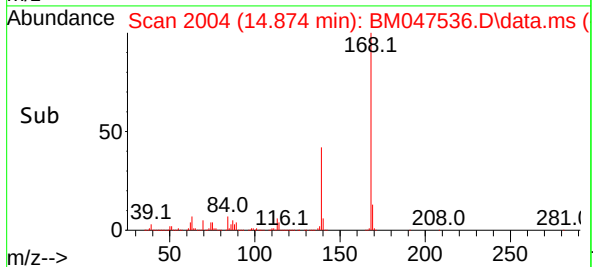
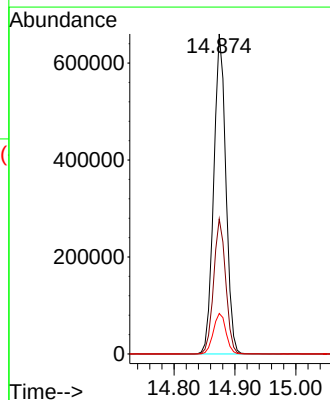
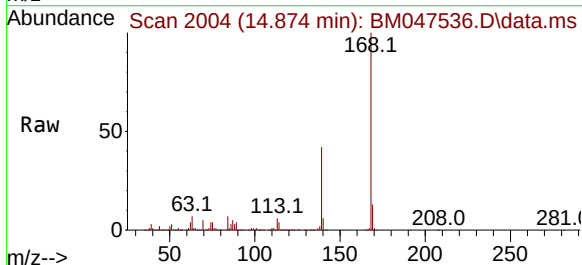
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

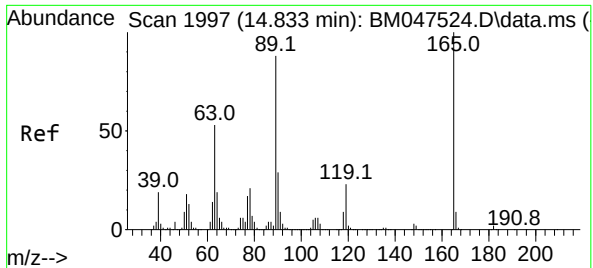
Tgt Ion:138 Resp: 265340
Ion Ratio Lower Upper
138 100
108 10.6 8.0 12.0
92 123.2 97.4 146.0



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

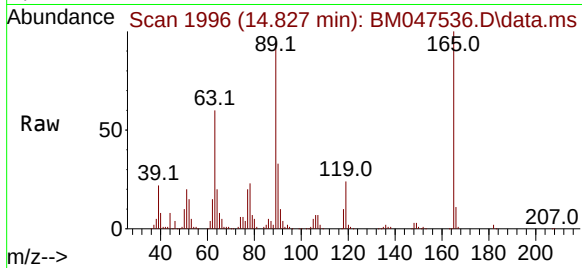
Tgt Ion:168 Resp: 915756
Ion Ratio Lower Upper
168 100
139 42.2 31.9 47.9
169 12.7 10.5 15.7



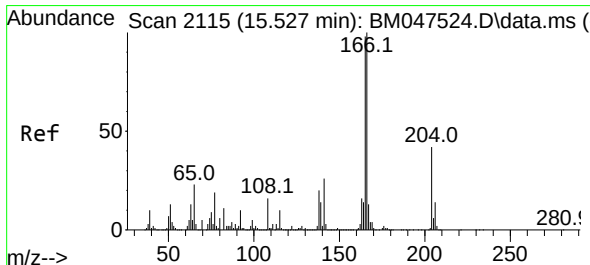
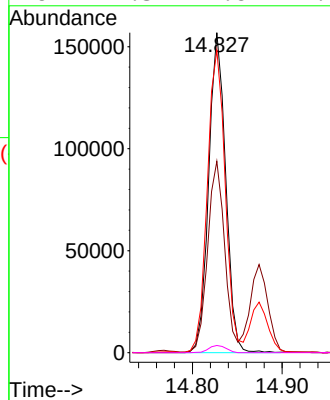
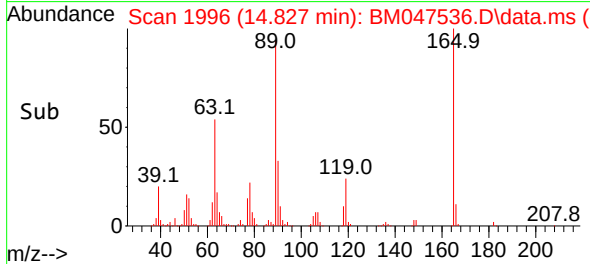


#57
2,4-Dinitrotoluene
Concen: 11.344 ng
RT: 14.827 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

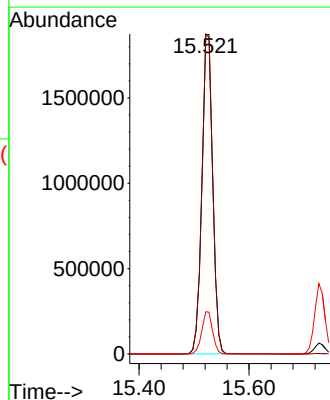
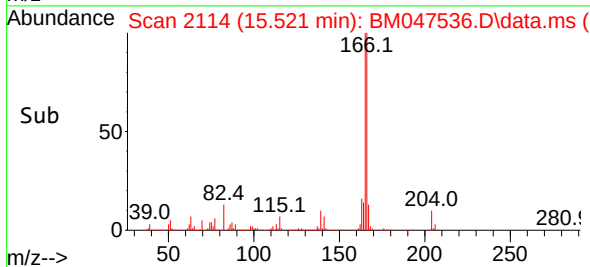
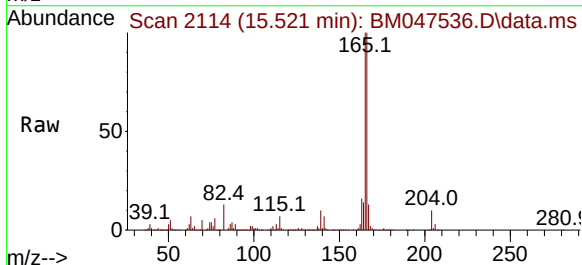


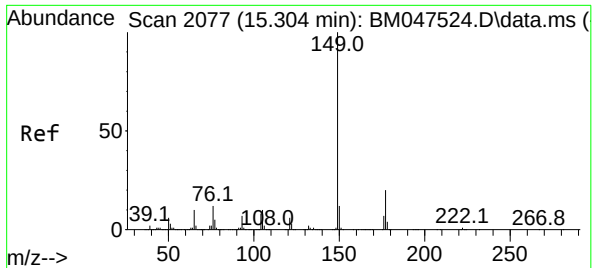
Tgt Ion:165 Resp: 206695
Ion Ratio Lower Upper
165 100
63 59.8 42.4 63.6
89 94.5 70.5 105.7
182 2.3 1.8 2.6



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

Tgt Ion:166 Resp: 2573022
Ion Ratio Lower Upper
166 100
165 100.2 78.6 117.8
167 13.2 10.7 16.1

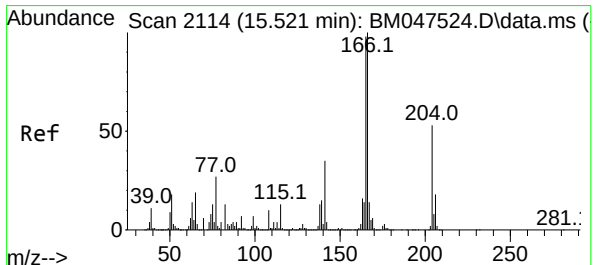
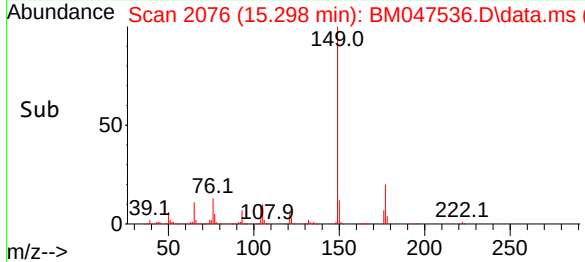
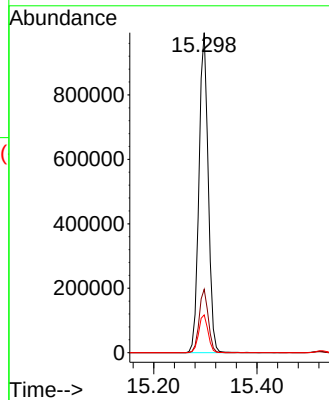
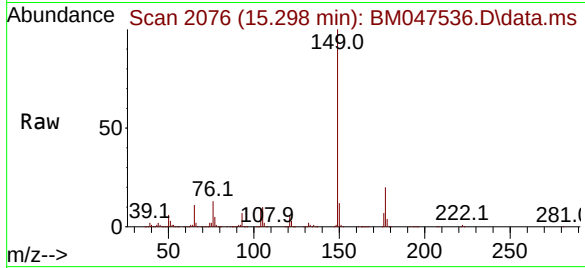




#60
Diethylphthalate
Concen: 17.832 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

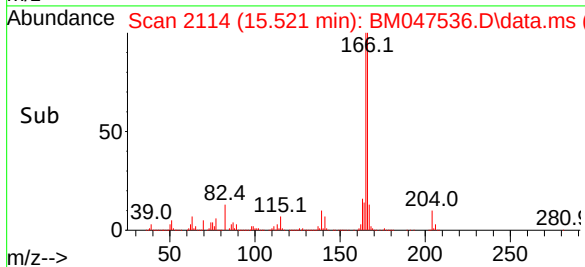
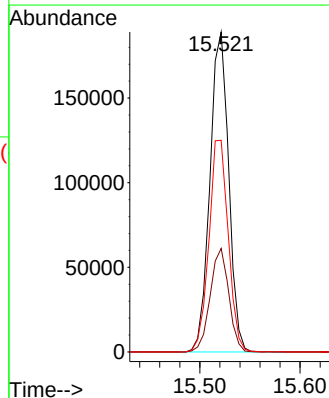
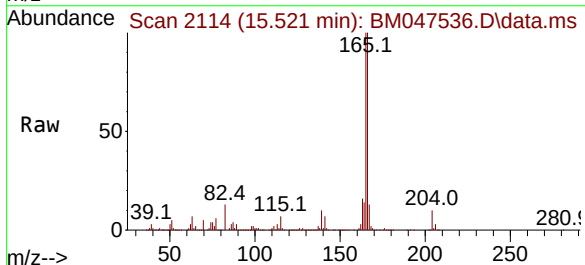
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

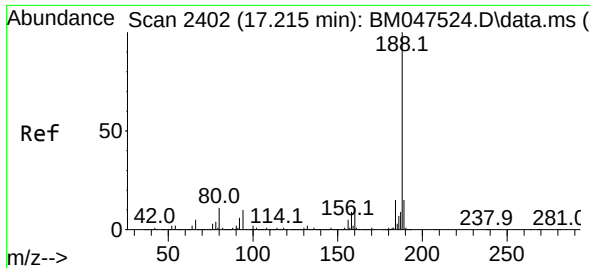
Tgt Ion:149 Resp: 1228185
Ion Ratio Lower Upper
149 100
177 19.8 15.8 23.8
150 11.8 9.7 14.5



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

Tgt Ion:204 Resp: 245994
Ion Ratio Lower Upper
204 100
206 32.3 26.5 39.7
141 66.2 52.1 78.1

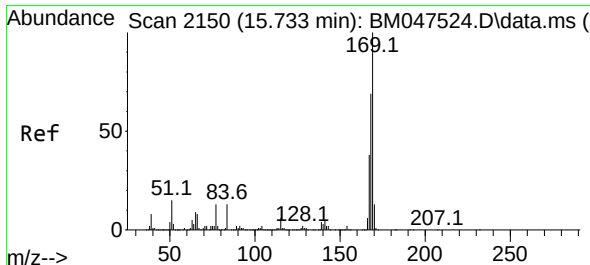
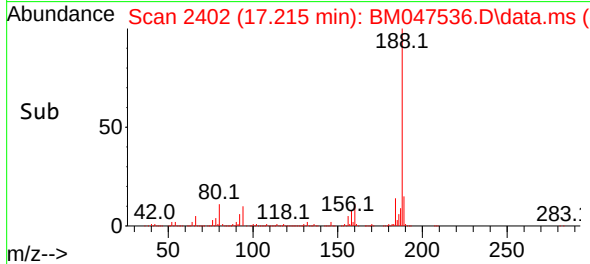
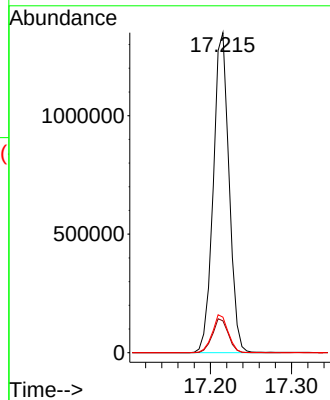
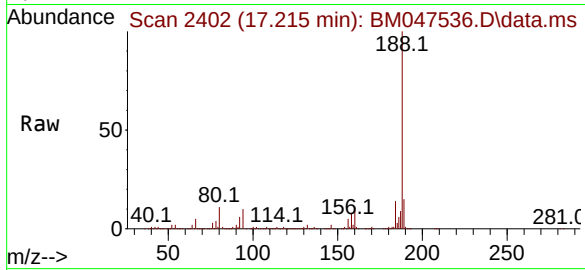




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

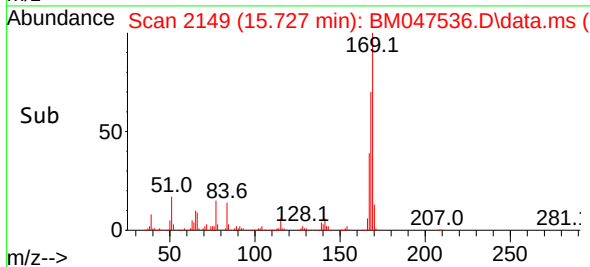
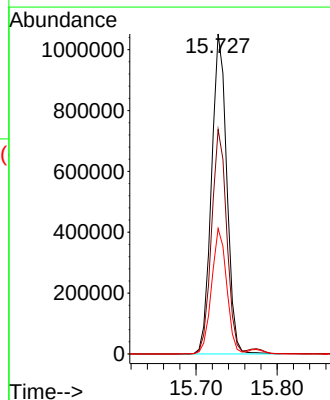
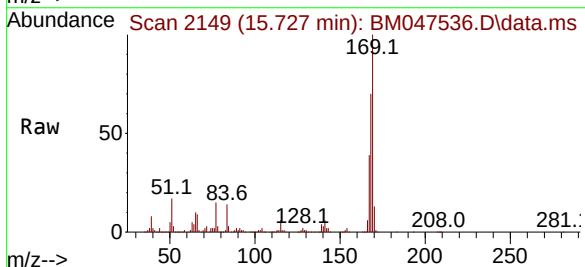
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

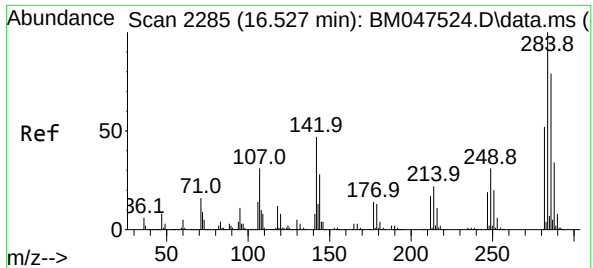
Tgt Ion:188 Resp: 1818864
Ion Ratio Lower Upper
188 100
94 10.0 8.4 12.6
80 11.1 9.1 13.7



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

Tgt Ion:169 Resp: 1372755
Ion Ratio Lower Upper
169 100
168 70.1 55.3 82.9
167 39.2 30.5 45.7

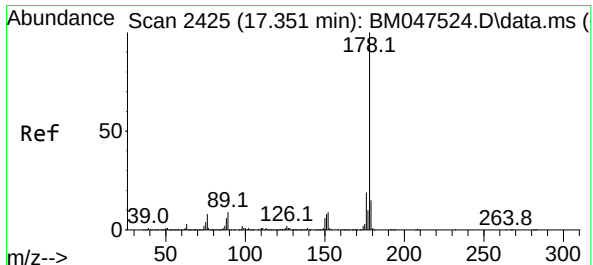
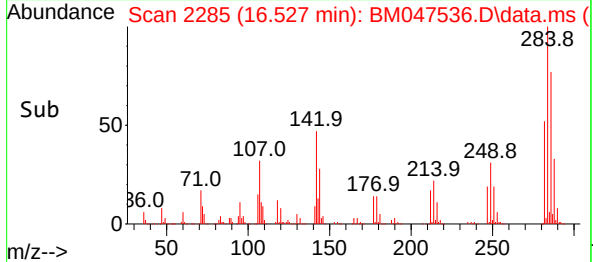
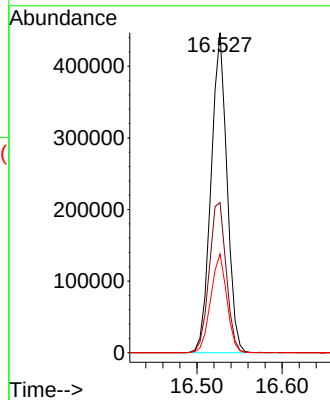
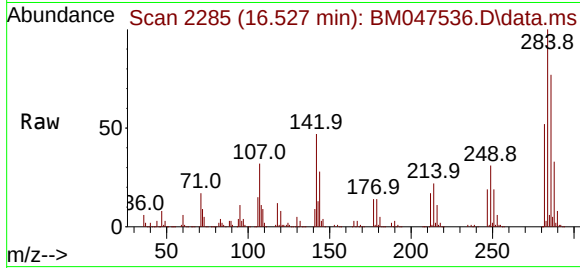




#68
Hexachlorobenzene
Concen: 28.987 ng
RT: 16.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

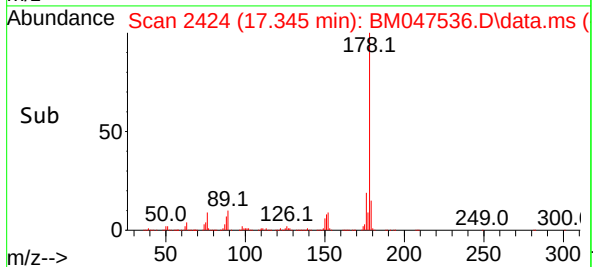
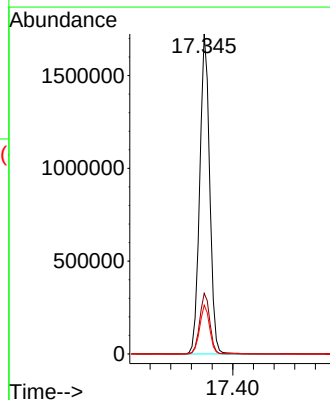
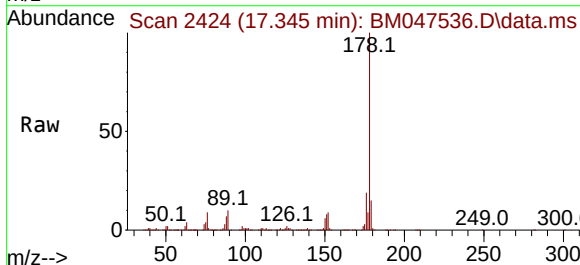
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

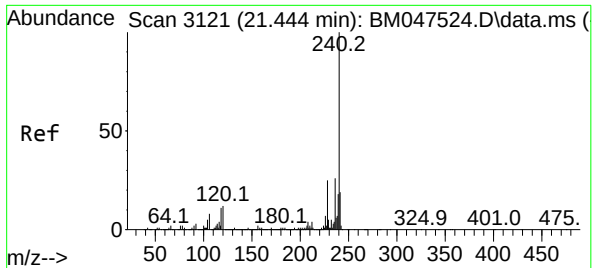
Tgt Ion:284 Resp: 580365
Ion Ratio Lower Upper
284 100
142 46.9 37.3 55.9
249 30.8 24.5 36.7



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

Tgt Ion:178 Resp: 2299599
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.3 12.3 18.5

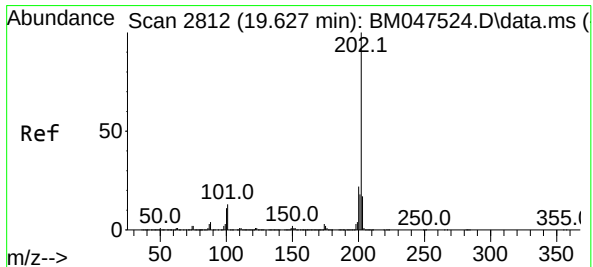
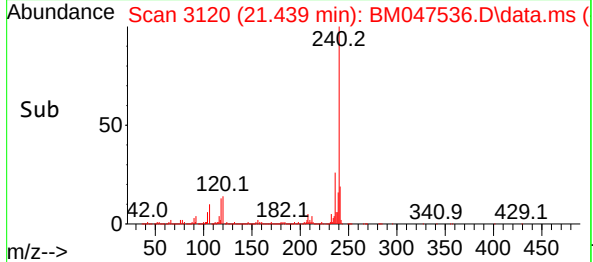
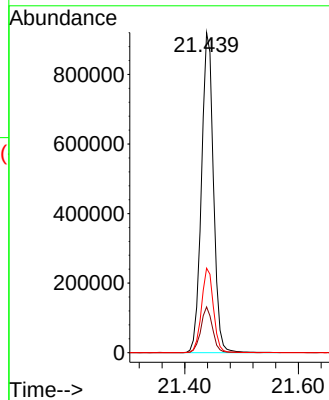
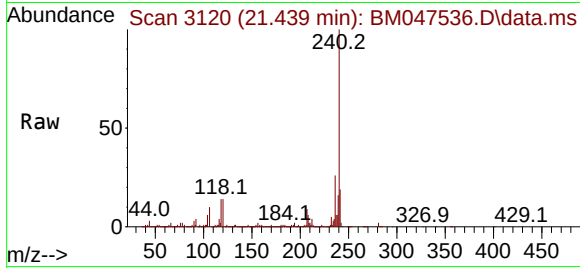




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

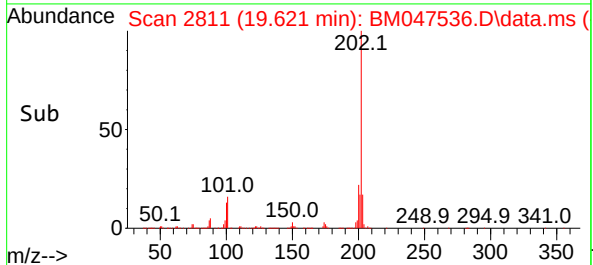
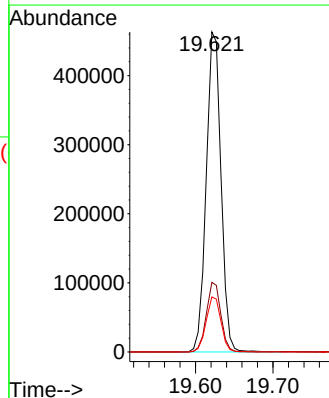
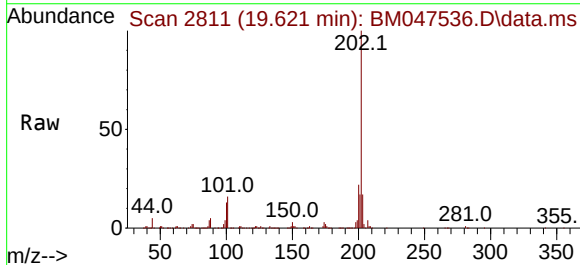
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

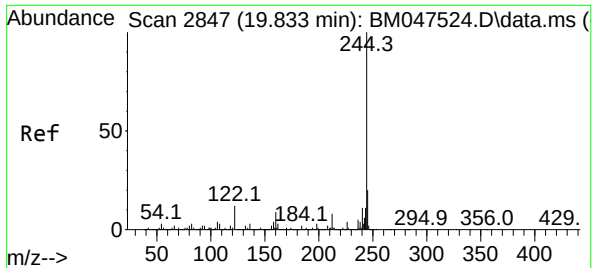
Tgt Ion:240 Resp: 1347119
Ion Ratio Lower Upper
240 100
120 14.3 9.6 14.4
236 26.4 20.9 31.3



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

Tgt Ion:202 Resp: 612806
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.2 14.0 21.0

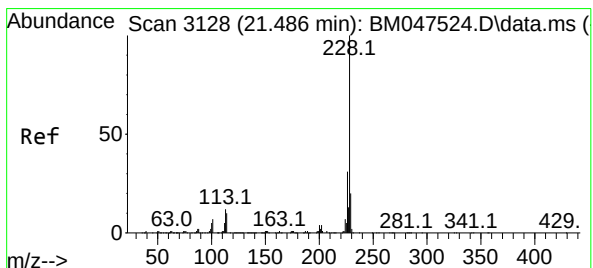
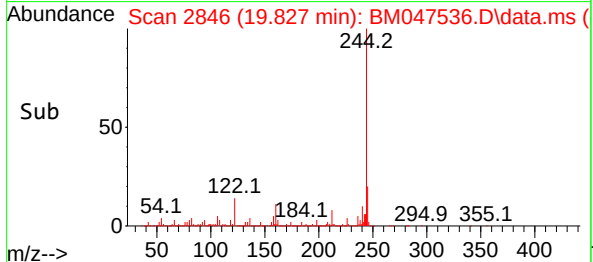
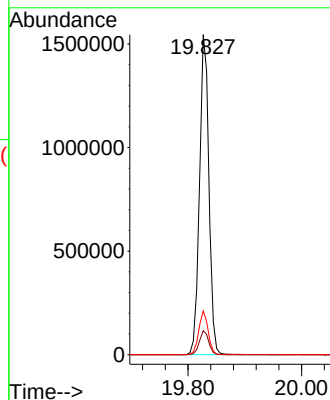
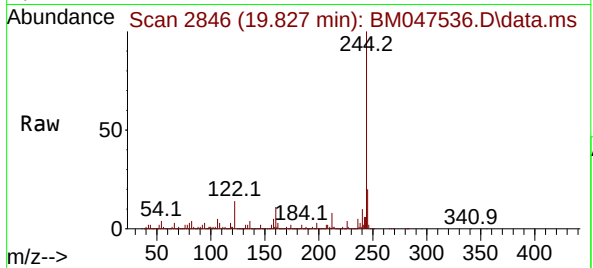




#79
Terphenyl-d14
Concen: 23.717 ng
RT: 19.827 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

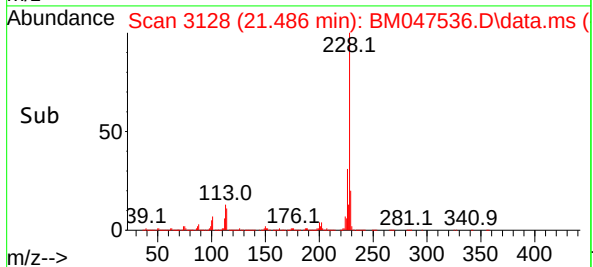
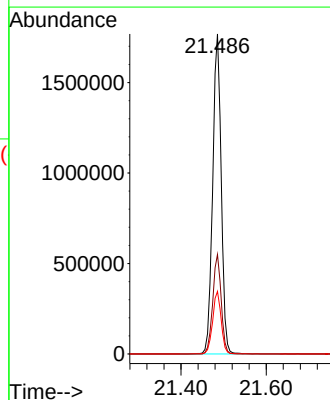
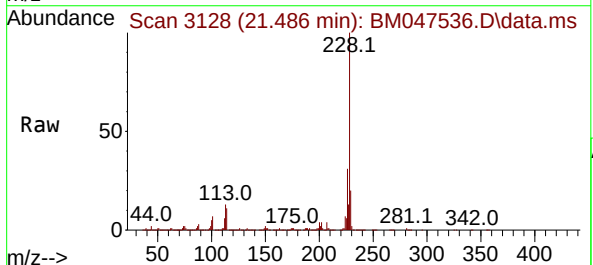
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

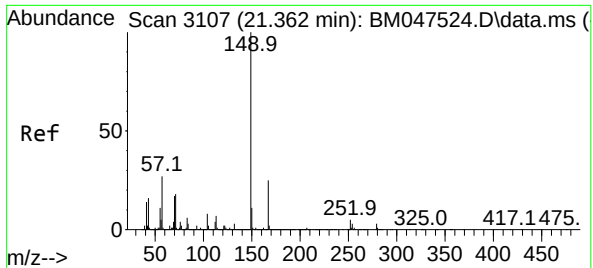
Tgt Ion:244 Resp: 1782974
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 13.7 9.6 14.4



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

Tgt Ion:228 Resp: 2459118
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 19.5 15.9 23.9

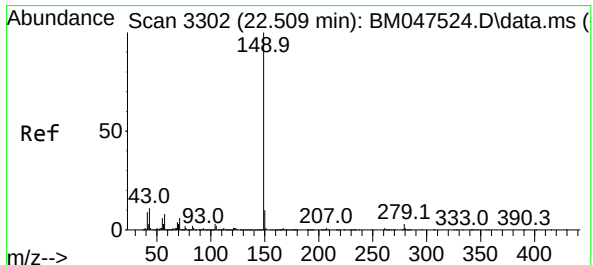
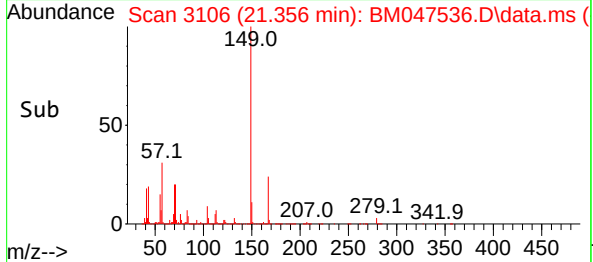
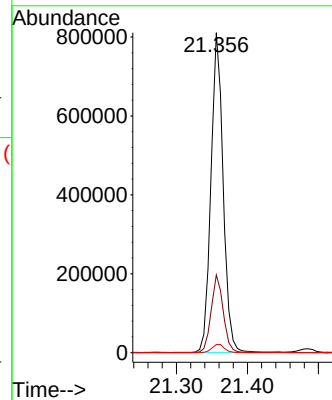
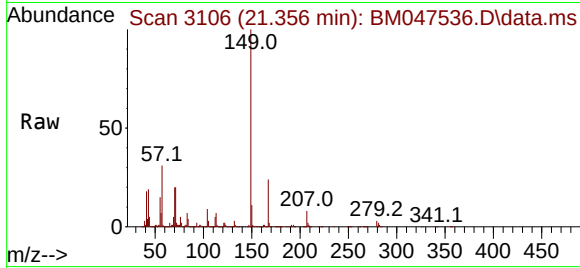




#84
Bis(2-ethylhexyl)phthalate
Concen: 16.349 ng
RT: 21.356 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

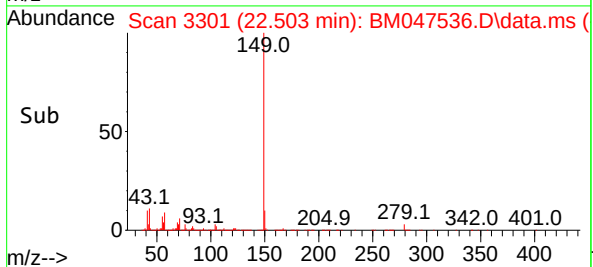
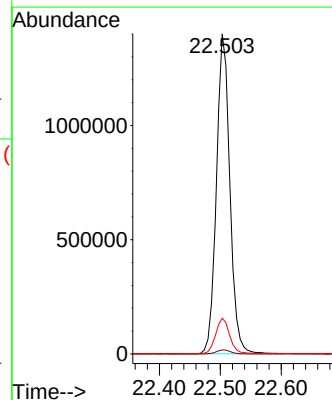
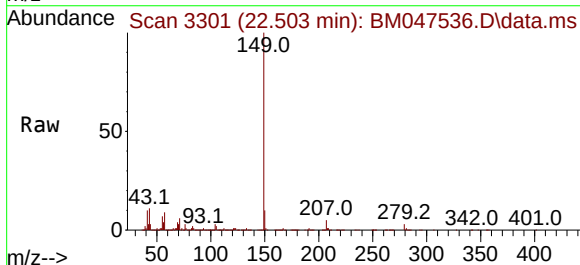
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

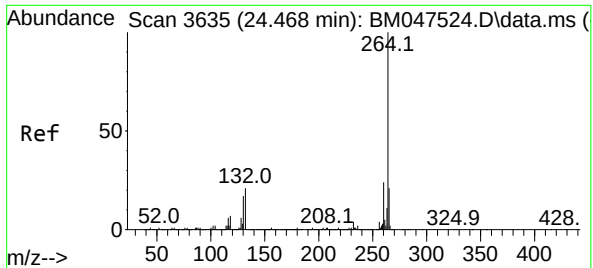
Tgt Ion:149 Resp: 968770
Ion Ratio Lower Upper
149 100
167 24.3 20.2 30.4
279 2.6 2.6 4.0#



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

Tgt Ion:149 Resp: 2147339
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 11.8 8.9 13.3

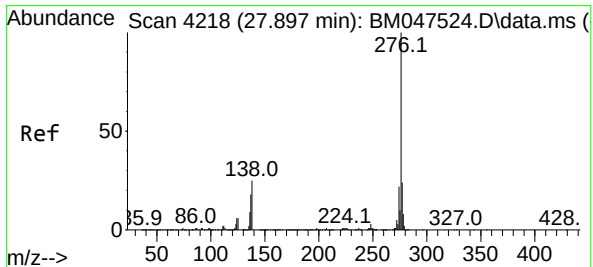
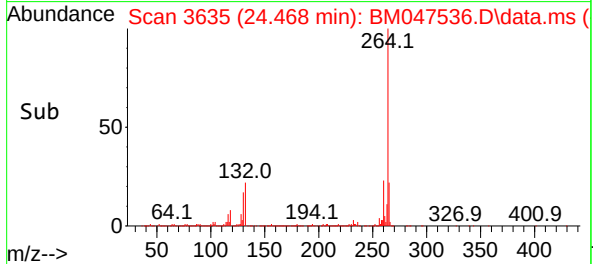
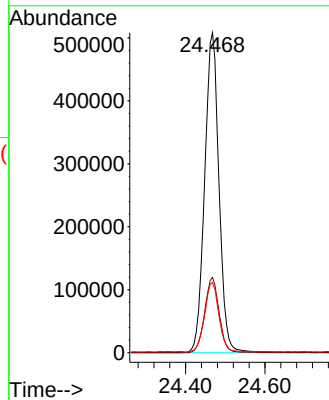
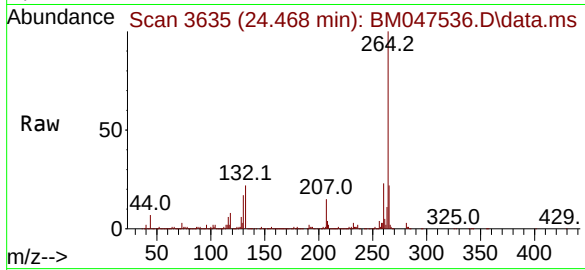




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

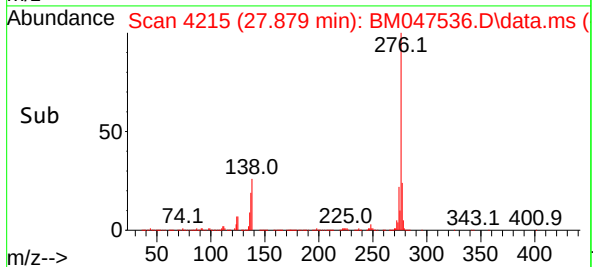
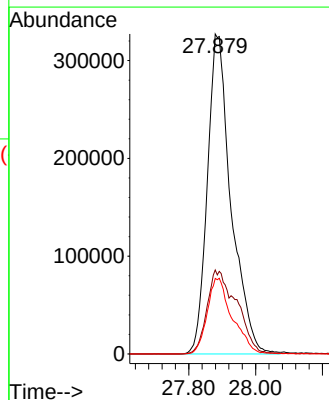
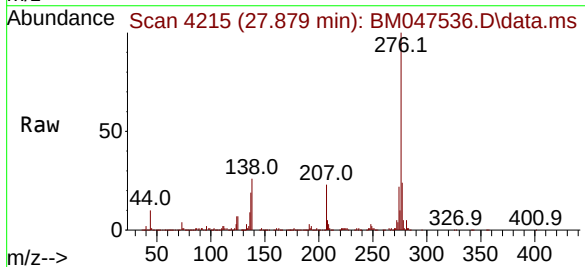
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

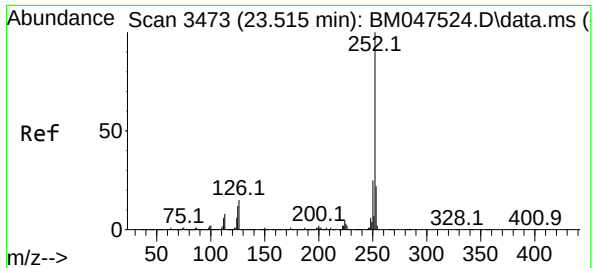
Tgt Ion:264 Resp: 1275889
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 21.9 17.4 26.2



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

Tgt Ion:276 Resp: 1613527
Ion Ratio Lower Upper
276 100
138 32.8 25.0 37.6
277 25.0 20.1 30.1

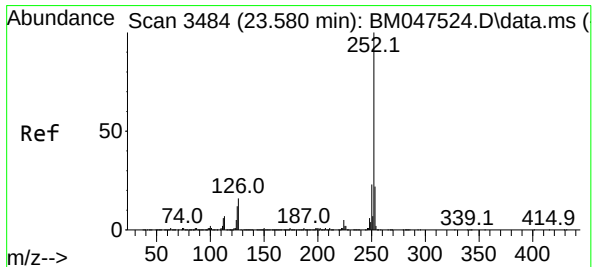
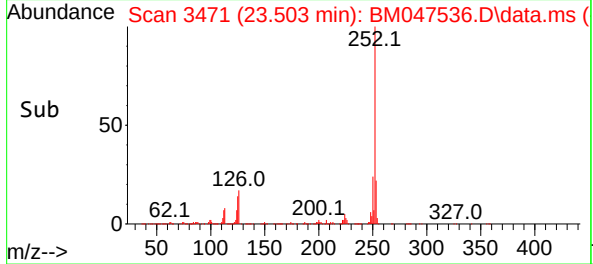
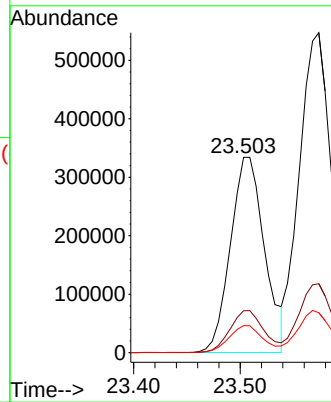
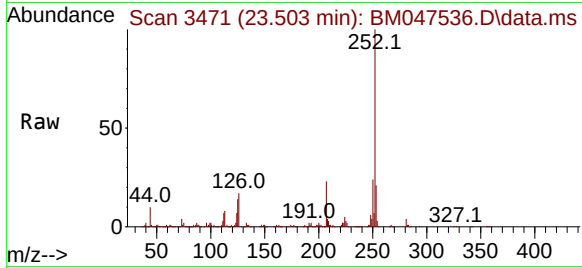




#88
Benzo(b)fluoranthene
Concen: 9.017 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

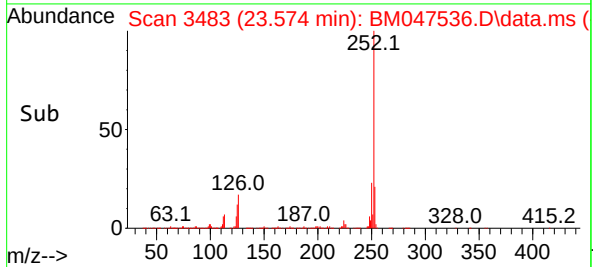
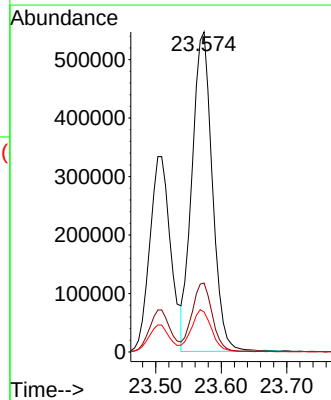
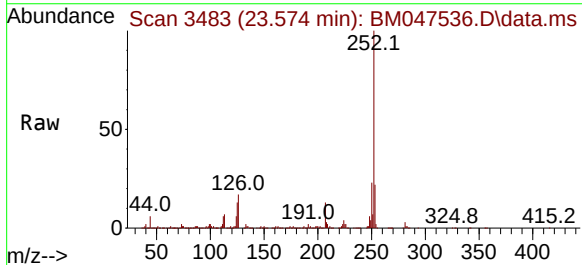
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

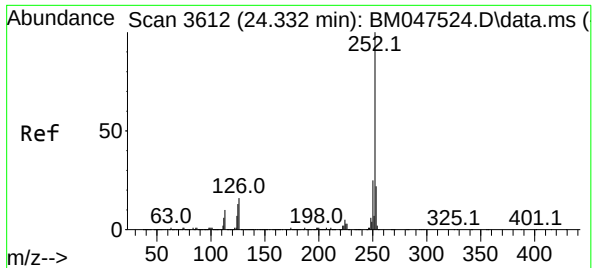
Tgt Ion:252 Resp: 744359
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 13.8 9.5 14.3



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

Tgt Ion:252 Resp: 1173640
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.6
125 12.5 9.5 14.3

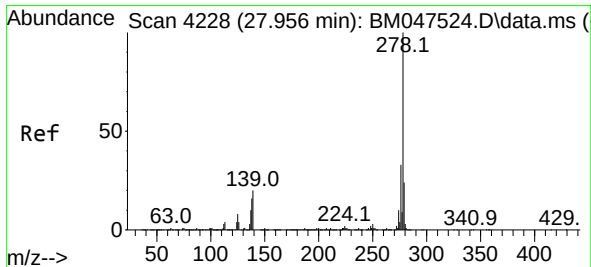
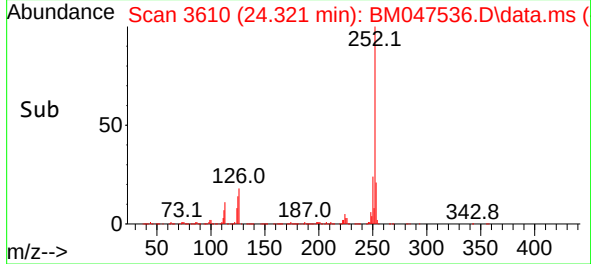
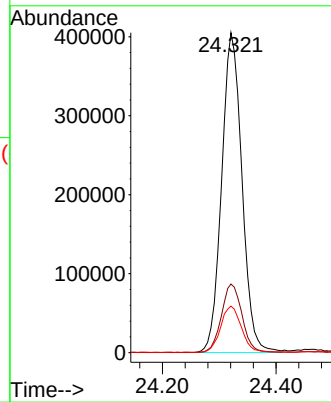
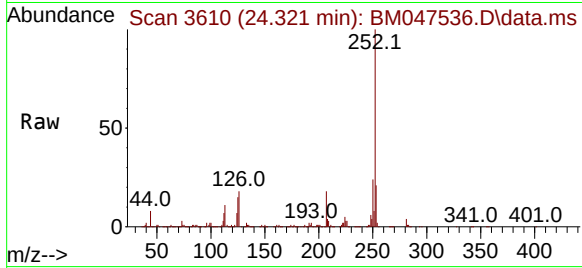




#90
Benzo(a)pyrene
Concen: 14.873 ng
RT: 24.321 min Scan# 3610
Delta R.T. -0.012 min
Lab File: BM047536.D
Acq: 16 Sep 2024 16:12

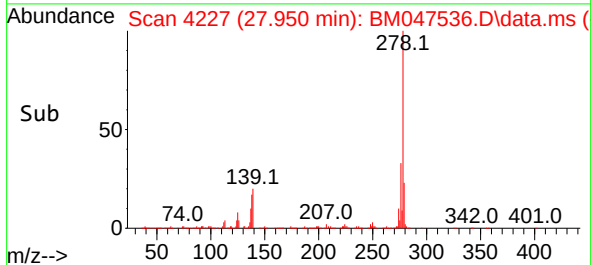
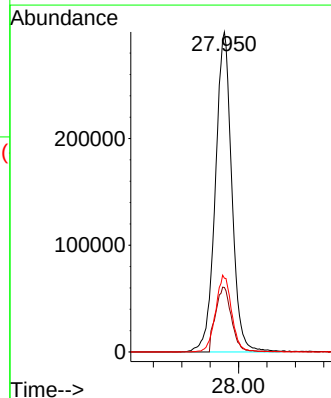
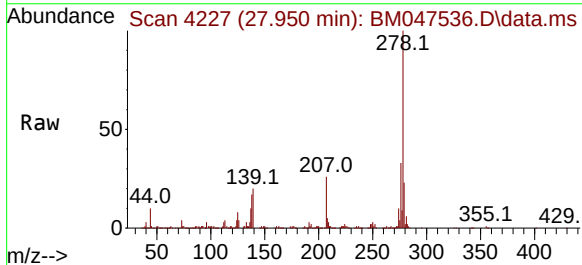
Instrument :
BNA_M
ClientSampleId :
PT-BN-WPDL

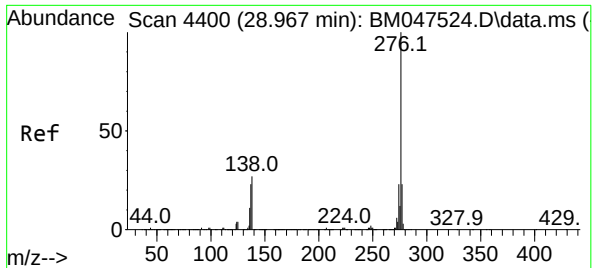
Tgt Ion:252 Resp: 1006301
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 14.6 10.2 15.4



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

Tgt Ion:278 Resp: 1203491
Ion Ratio Lower Upper
278 100
139 20.1 15.9 23.9
279 23.1 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 15.207 ng

RT: 28.950 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047536.D

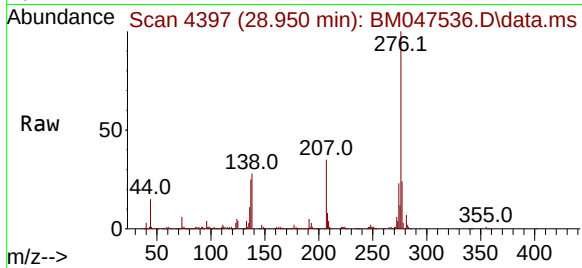
Acq: 16 Sep 2024 16:12

Instrument :

BNA_M

ClientSampleId :

PT-BN-WPDL



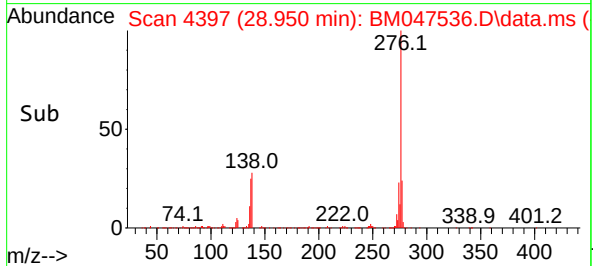
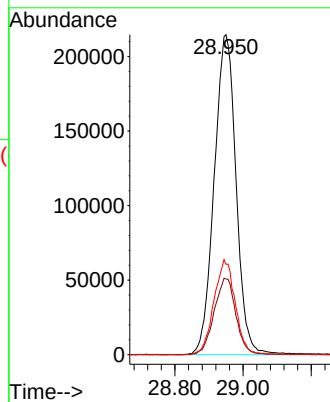
Tgt Ion:276 Resp: 954289

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 28.2 21.5 32.3





CALIBRATION SUMMARY

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 =BM047527.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	

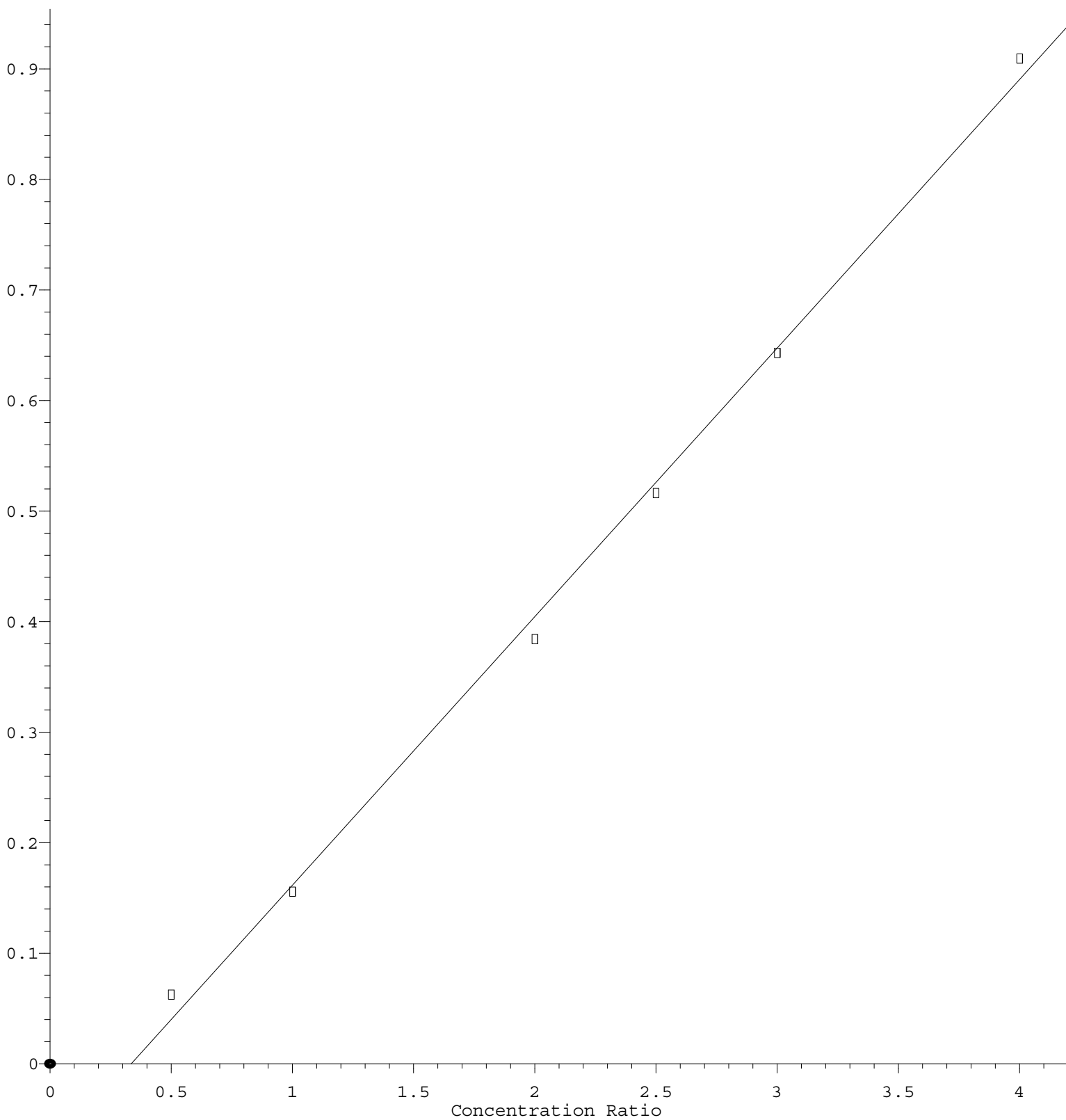
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M

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

Benzoic acid

Response Ratio



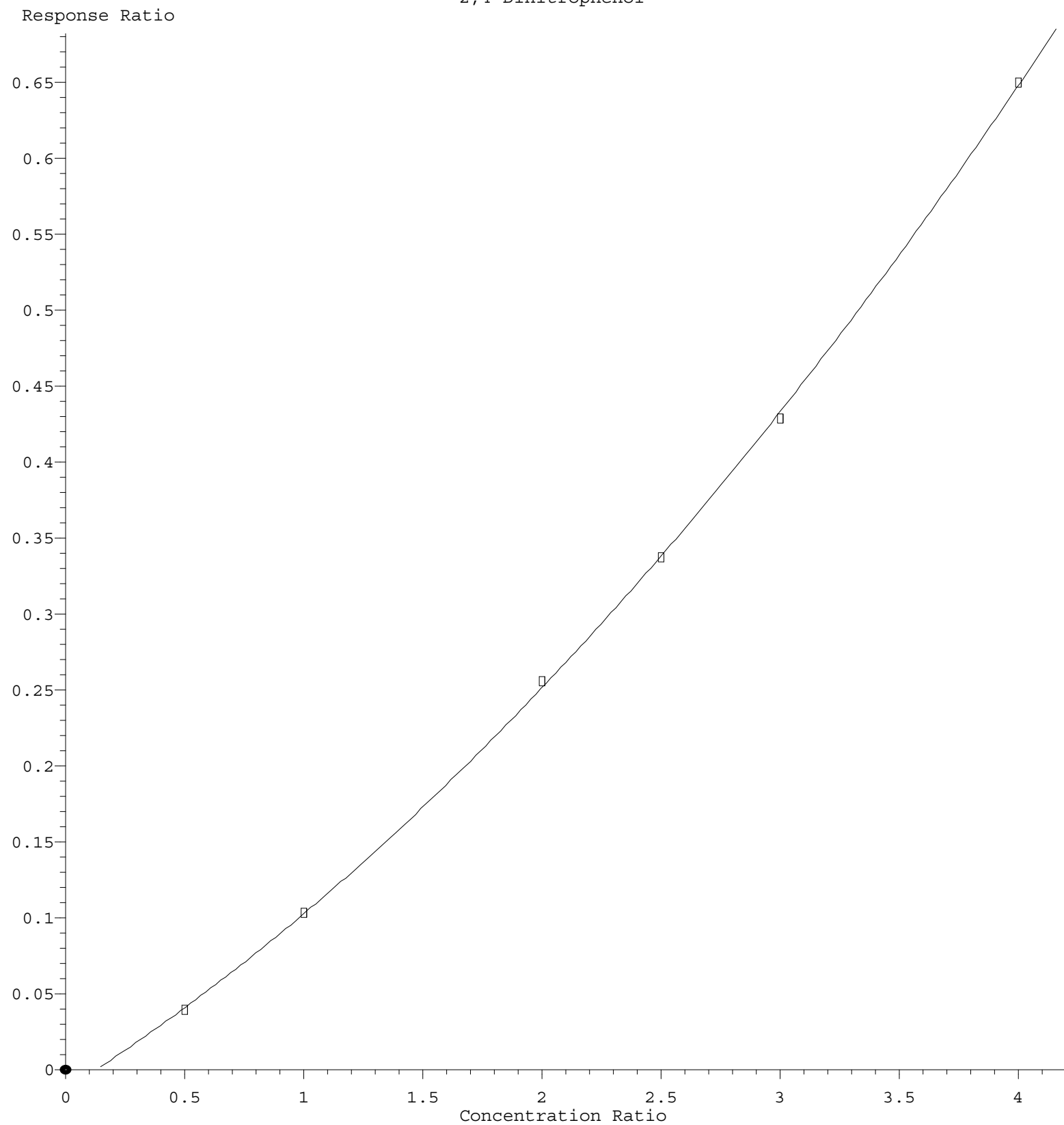
$$\text{Response} = 2.430\text{e-}001 * \text{Amt} - 8.140\text{e-}002$$

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

2,4-Dinitrophenol



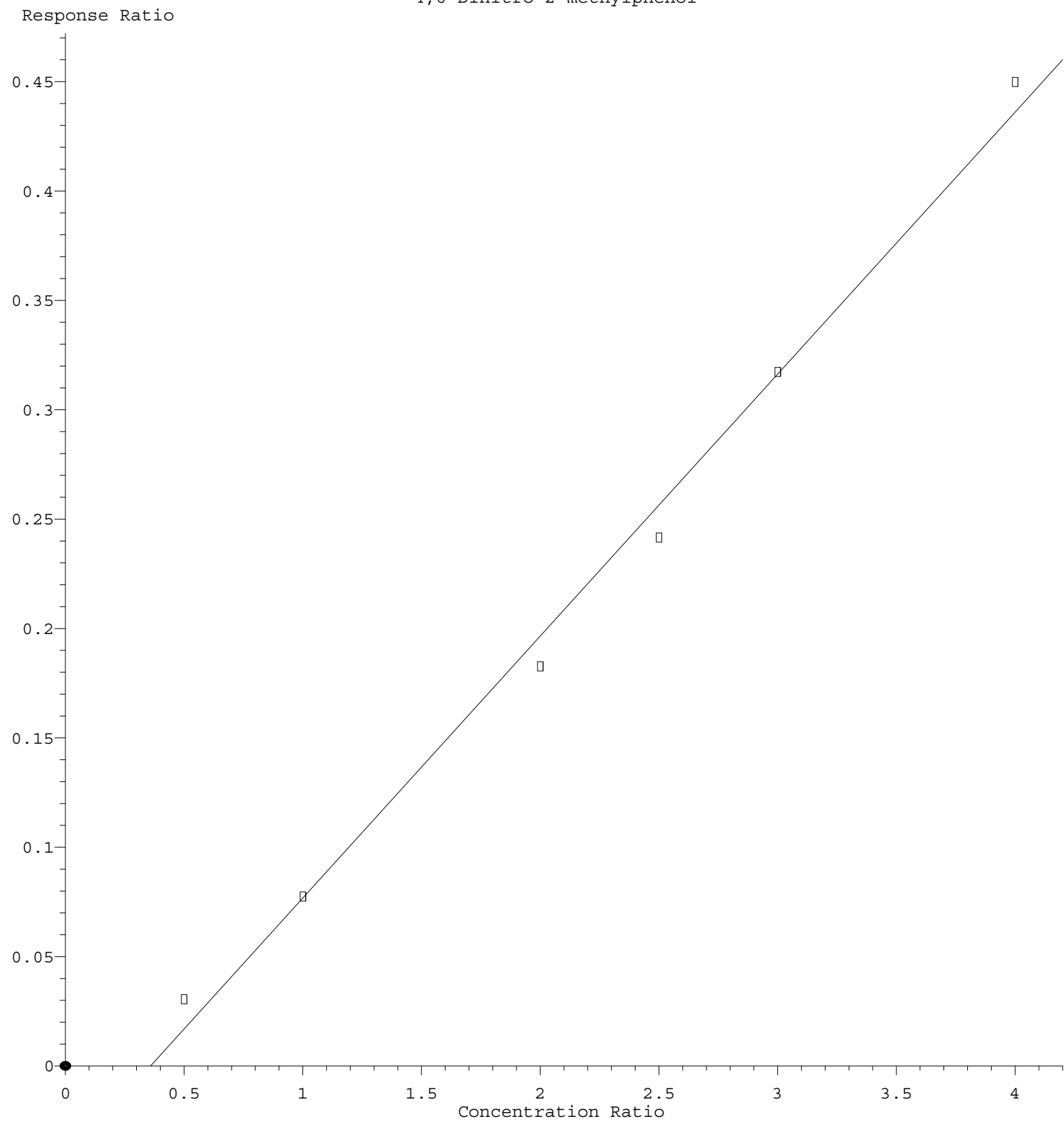
$$R = 1.652e-002 A^2 + 9.915e-002 A - 1.295e-002$$

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

4,6-Dinitro-2-methylphenol



Response = $1.198 \times 10^{-1} \times \text{Amt} - 4.295 \times 10^{-2}$
 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

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

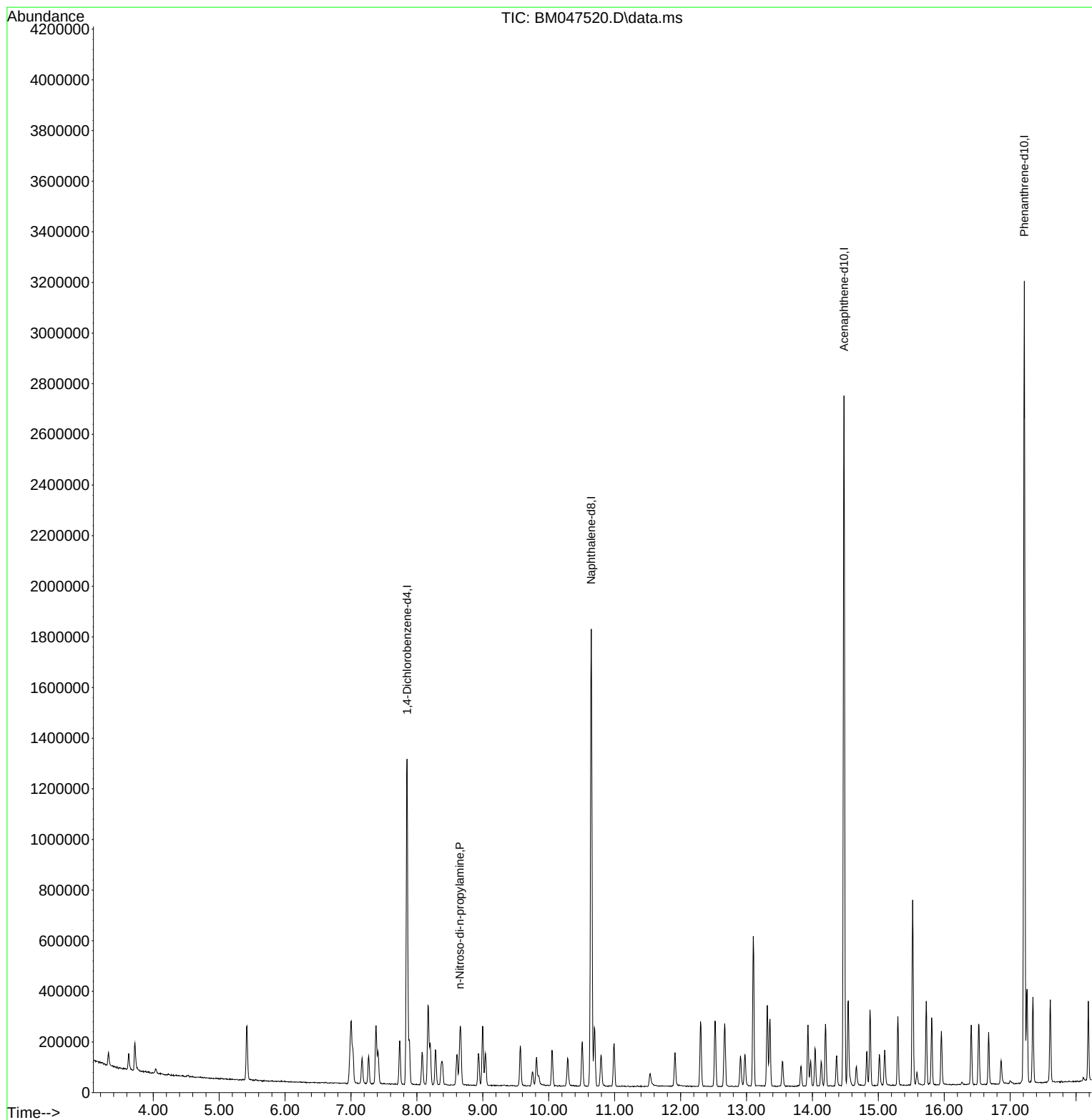
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	331818	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1431277	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	860230	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1698459	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1448703	20.000	ng	0.00
86) Perylene-d12	24.468	264	1514067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.651	70	44249	2.927	ng	99

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

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

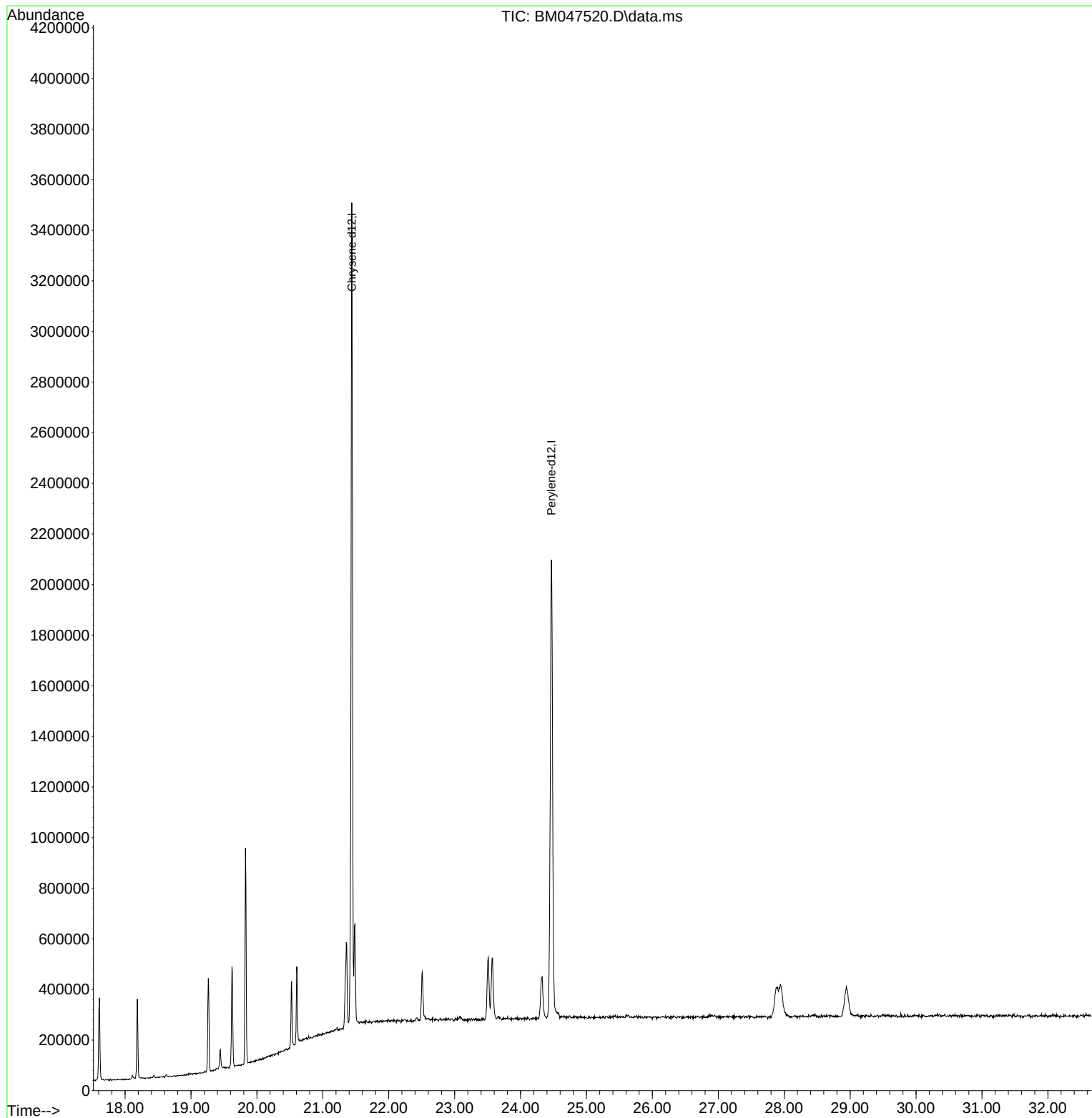
Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration

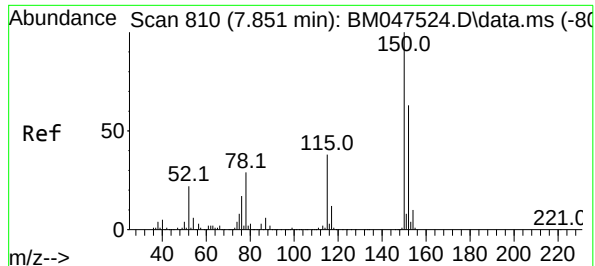


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047520.D
Acq On : 14 Sep 2024 11:57
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

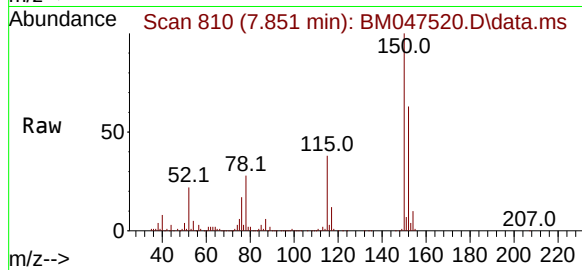
Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration



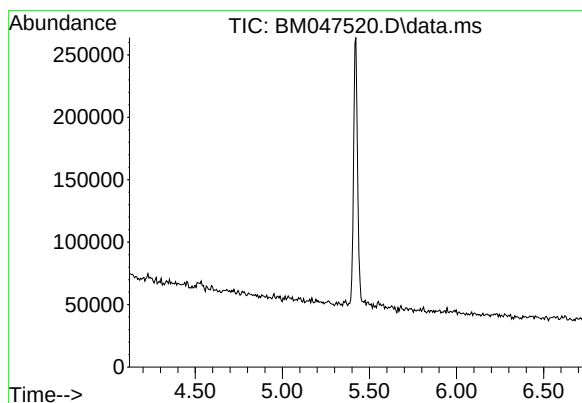
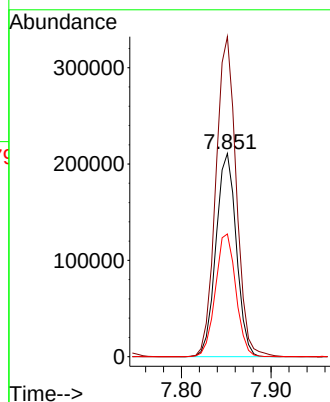
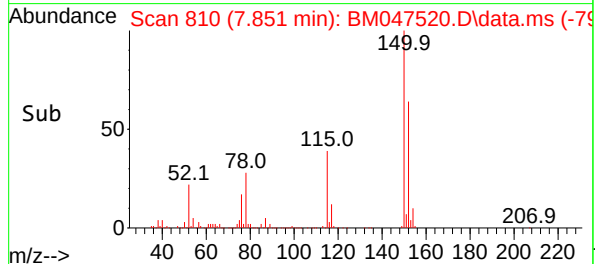


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5



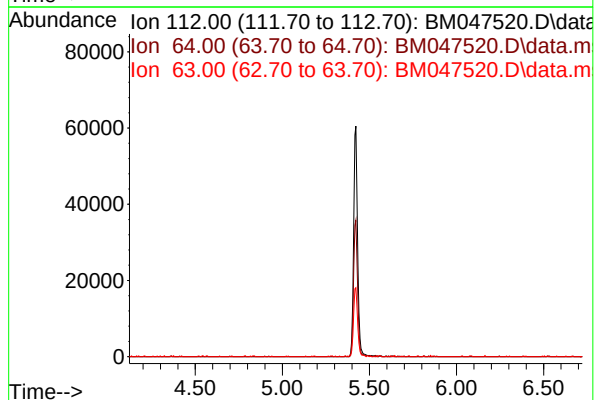
Tgt Ion:152 Resp: 331818
Ion Ratio Lower Upper
152 100
150 157.5 126.8 190.2
115 60.4 47.8 71.8



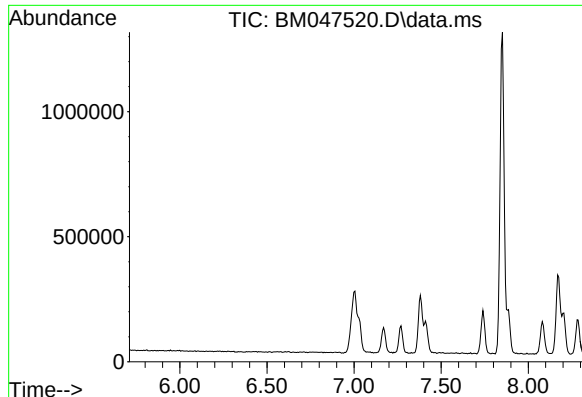
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.42 min

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

Tgt Ion: 112
Sig Exp Ratio
112 100
64 60.3
63 32.5



Ion 64.00 (63.70 to 64.70): BM047520.D\data.ms
Ion 63.00 (62.70 to 63.70): BM047520.D\data.ms



#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

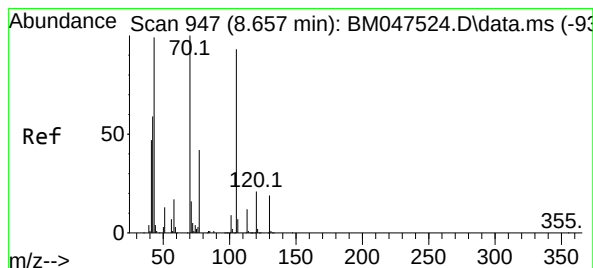
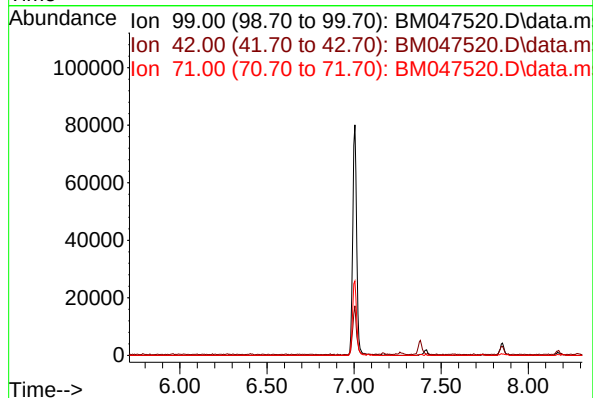
Tgt Ion: 99

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

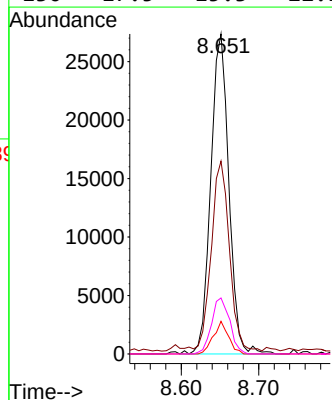
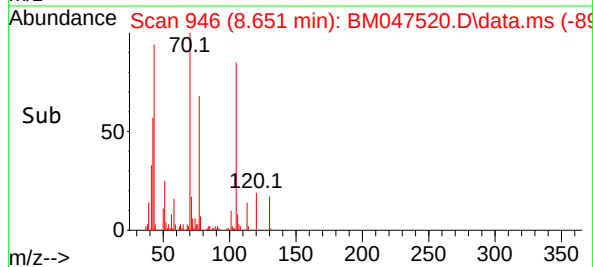
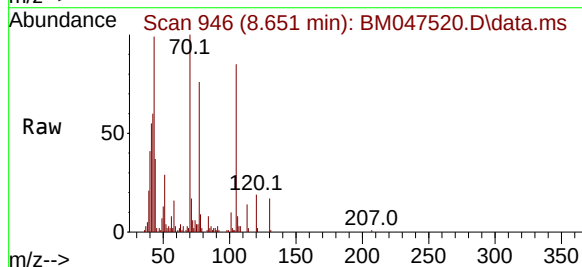
Ion Ratio Lower Upper

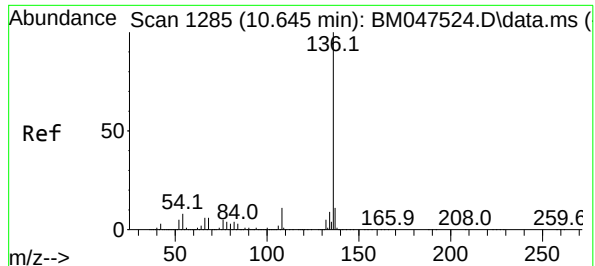
70 100

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

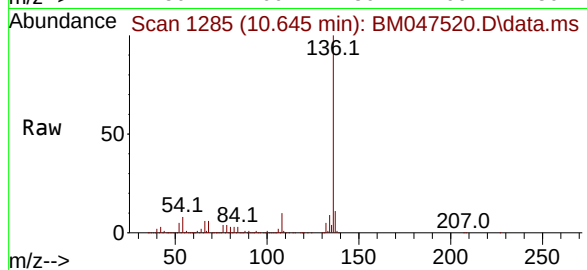
Acq: 14 Sep 2024 11:57

Instrument :

BNA_M

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 1431277

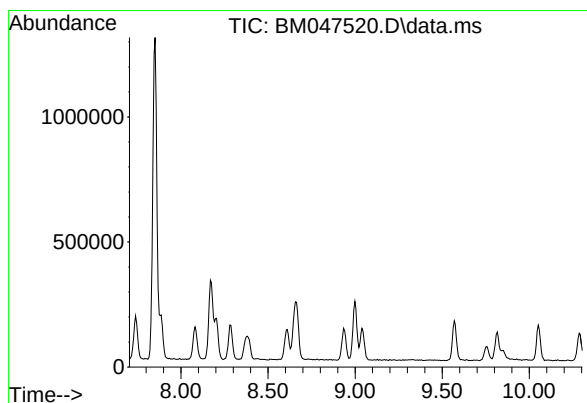
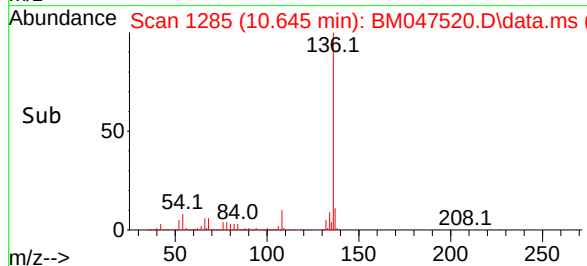
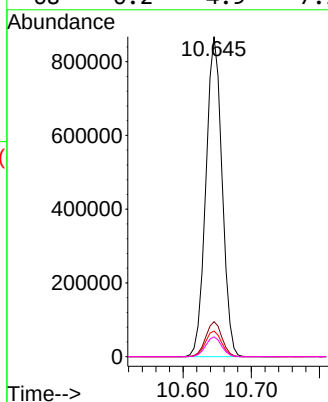
Ion Ratio Lower Upper

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

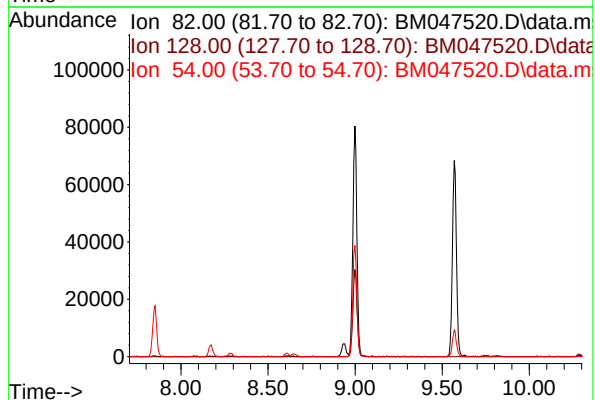
Tgt Ion: 82

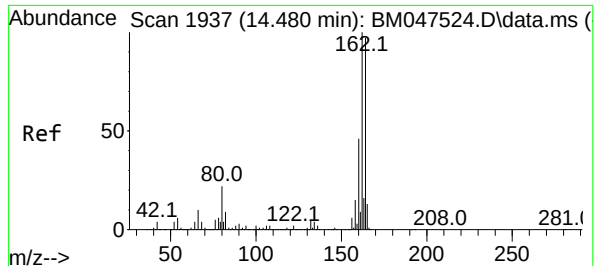
Sig Exp Ratio

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

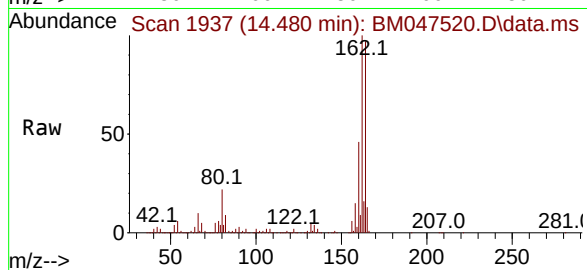
Acq: 14 Sep 2024 11:57

Instrument :

BNA_M

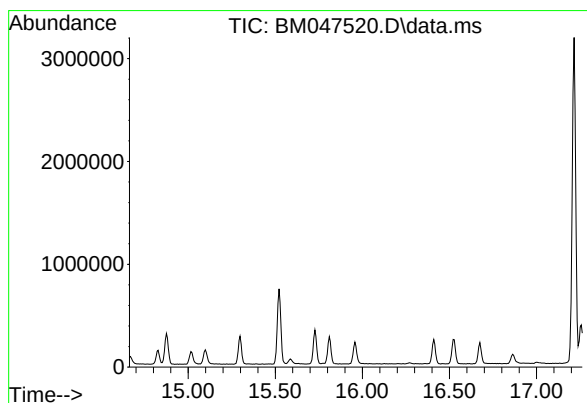
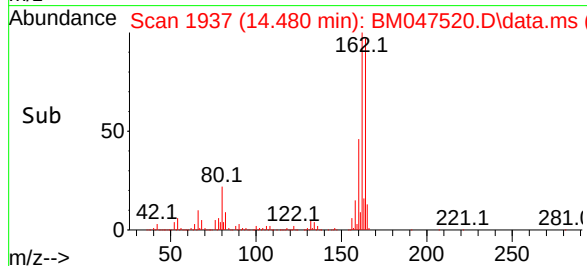
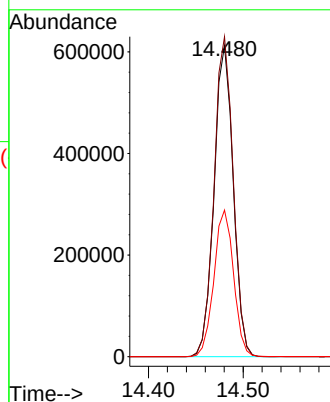
ClientSampleId :

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

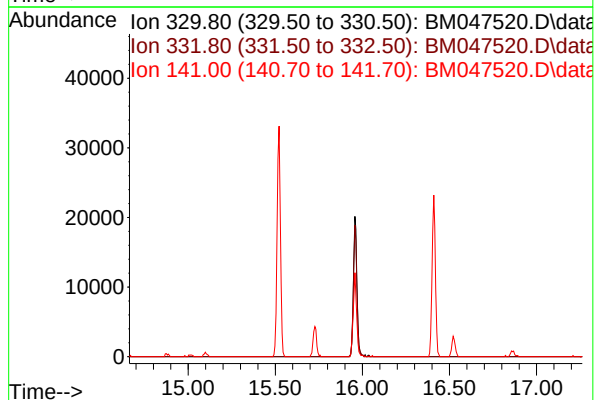
Expected RT: 15.96 min

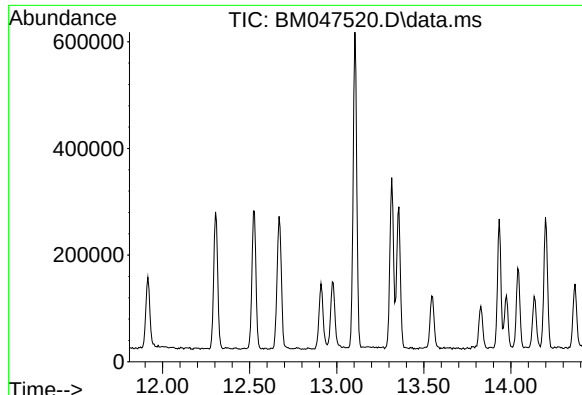
Lab File: BM047520.D

Acq: 14 Sep 2024 11:57

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	52.7

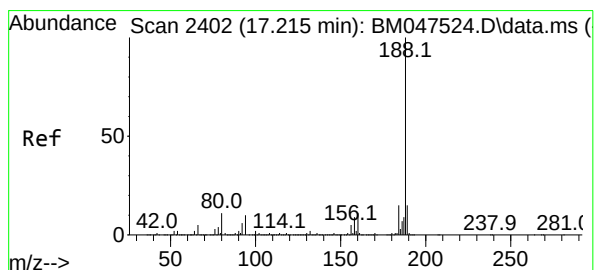
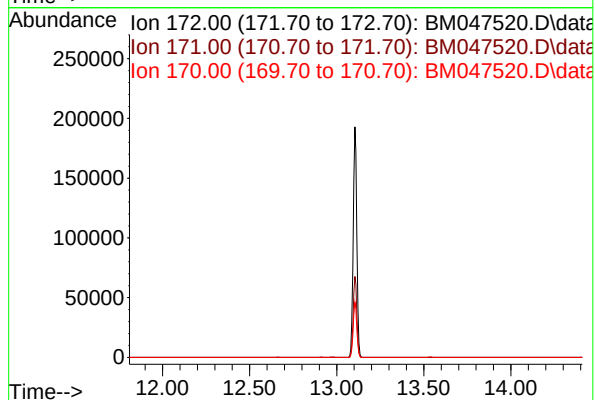




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.11 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

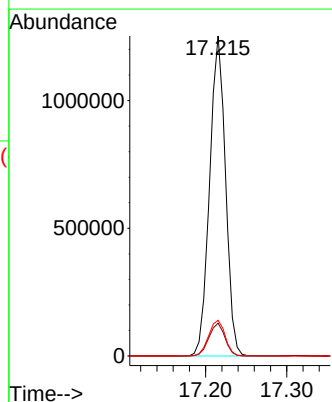
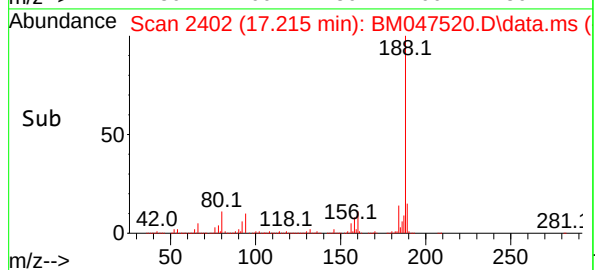
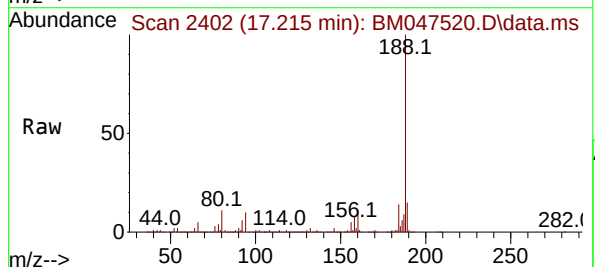
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

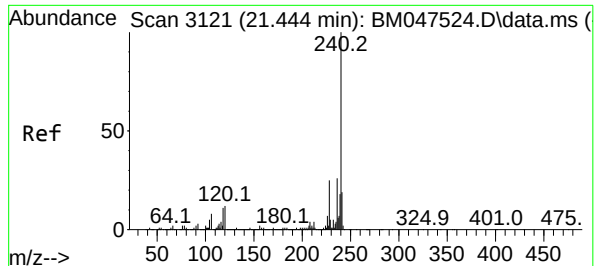
Tgt Ion: 172
Sig Exp Ratio
172 100
171 35.2
170 24.2



#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# 31

Delta R.T. -0.006 min

Lab File: BM047520.D

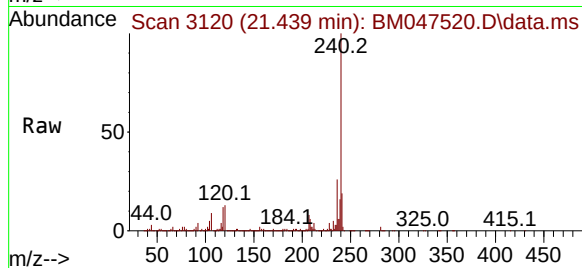
Acq: 14 Sep 2024 11:57

Instrument :

BNA_M

ClientSampleId :

SSTDICC2.5



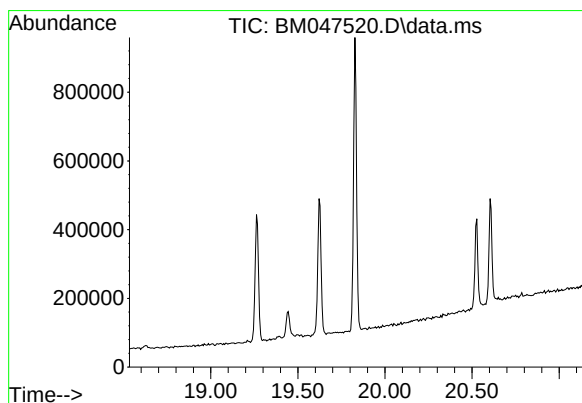
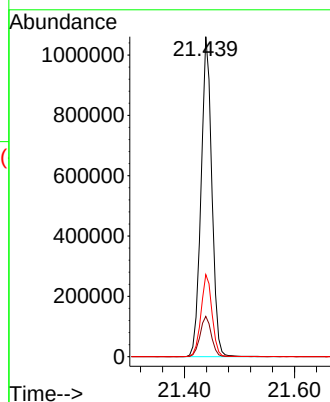
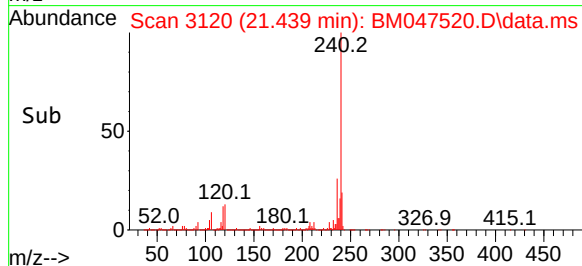
Tgt Ion:240 Resp: 1448703

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

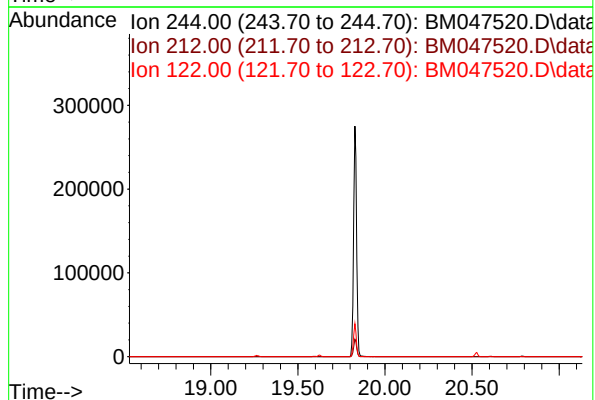
Tgt Ion: 244

Sig Exp Ratio

244 100

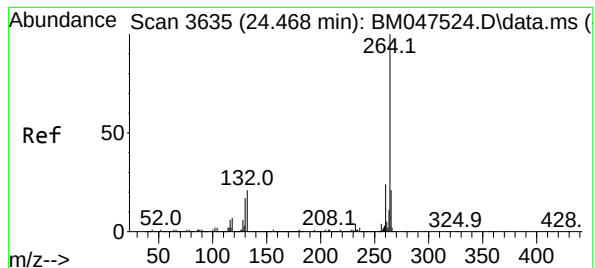
212 7.7

122 12.0



Ion 212.00 (211.70 to 212.70): BM047520.D\data.ms

Ion 122.00 (121.70 to 122.70): BM047520.D\data.ms



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM047520.D

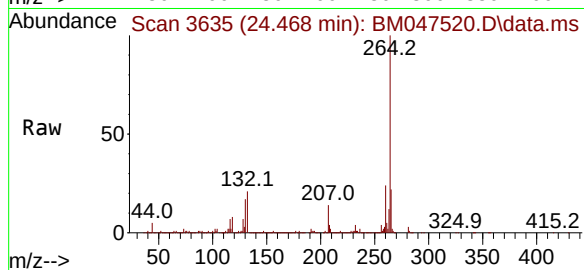
Acq: 14 Sep 2024 11:57

Instrument :

BNA_M

ClientSampleId :

SSTDICC2.5



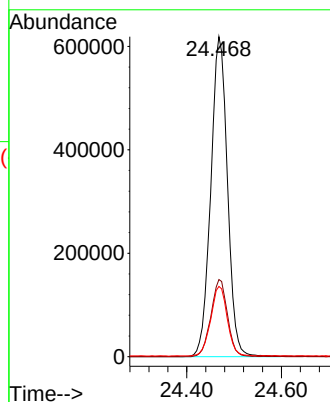
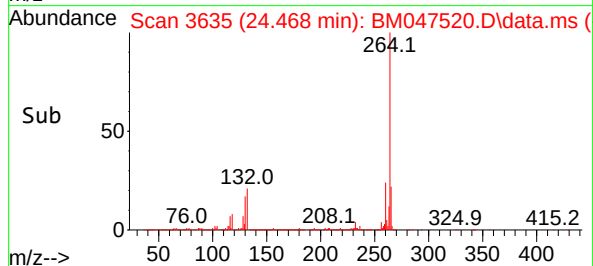
Tgt Ion:264 Resp: 1514067

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.9 17.4 26.2



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

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

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

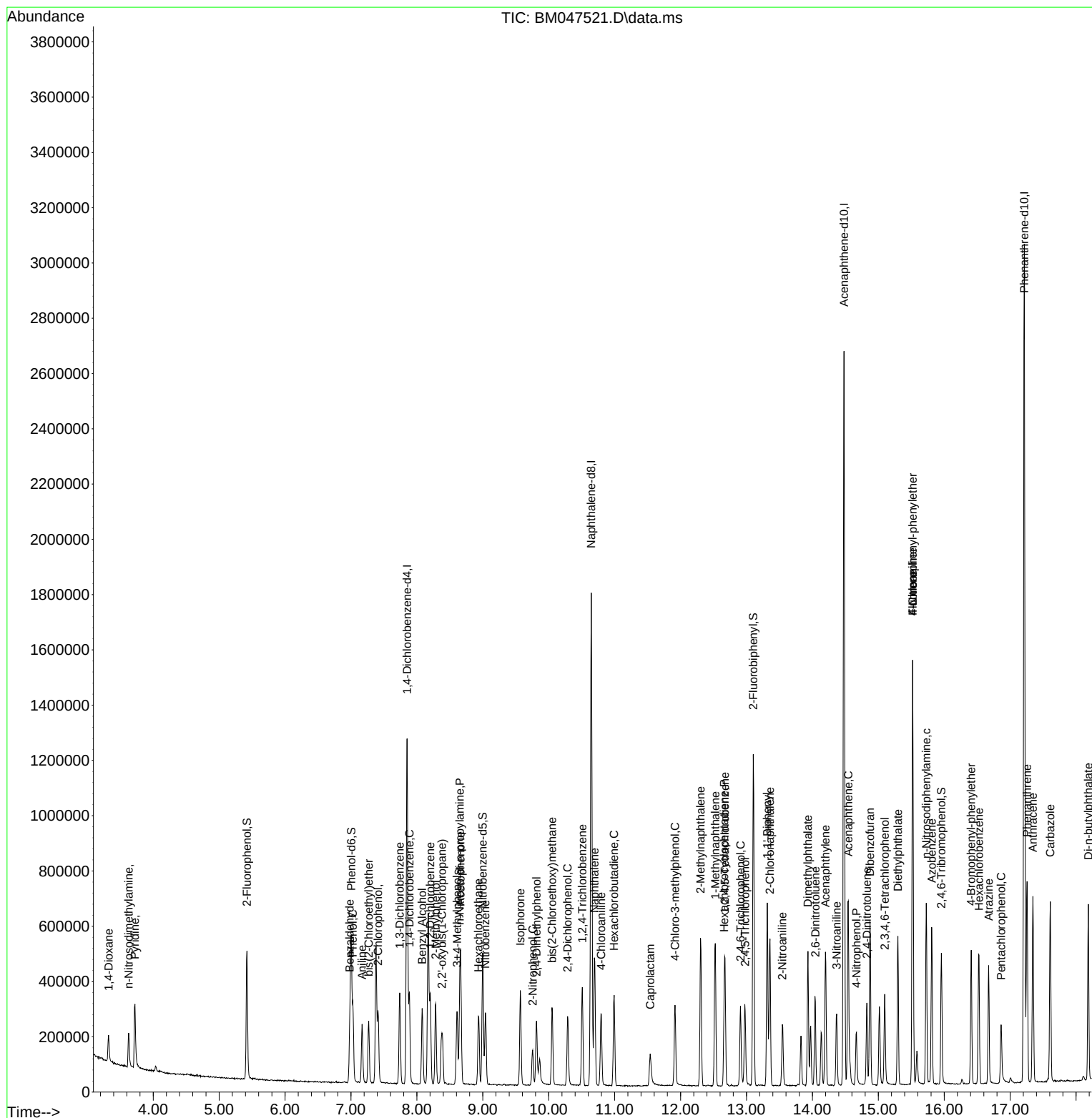
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Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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



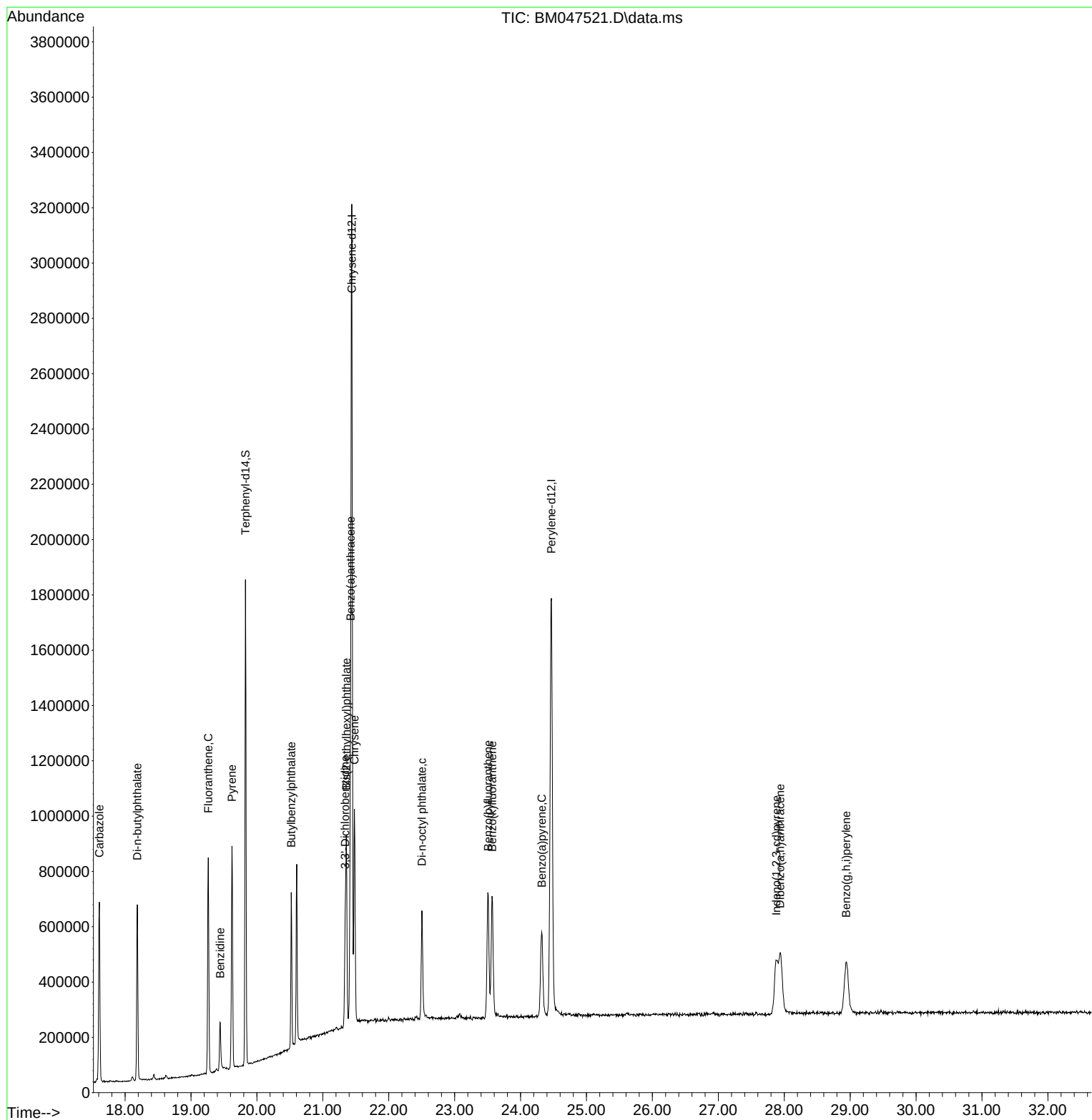
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Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

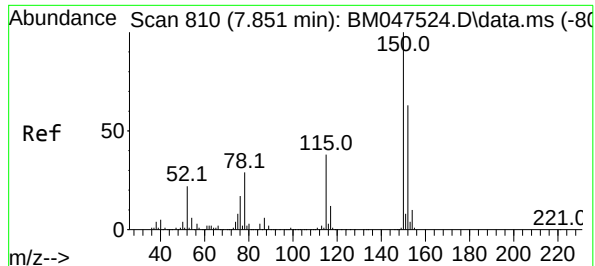
Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

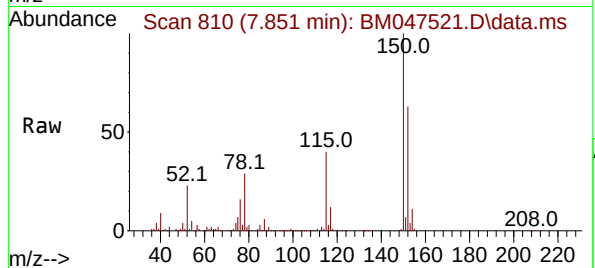
Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

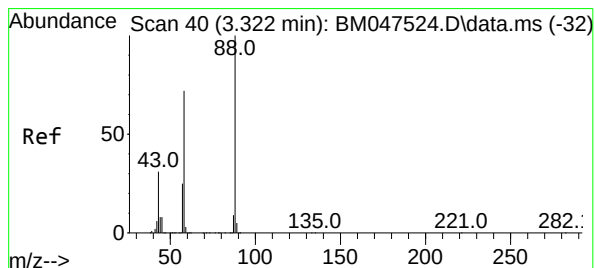
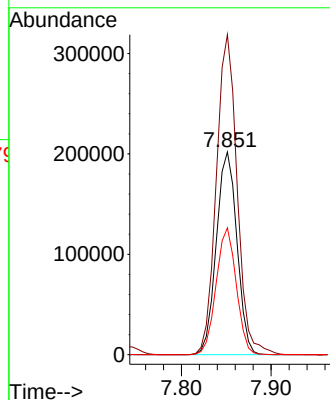
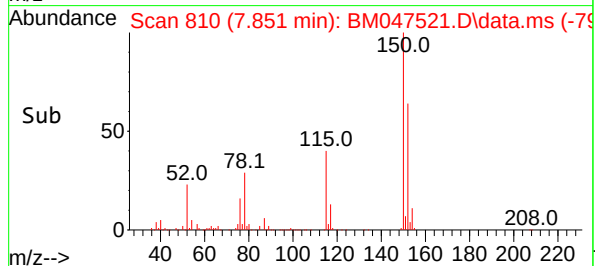
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 152 Resp: 321990
Ion Ratio Lower Upper
152 100
150 157.8 126.8 190.2
115 62.5 47.8 71.8

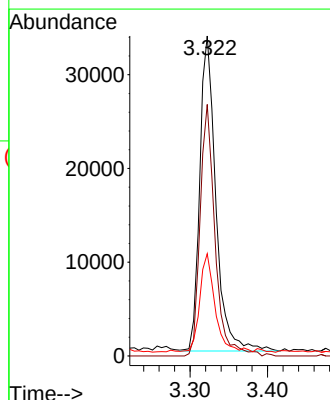
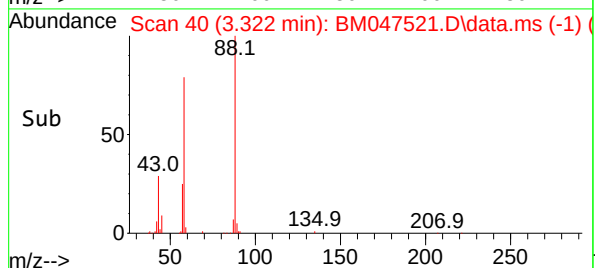
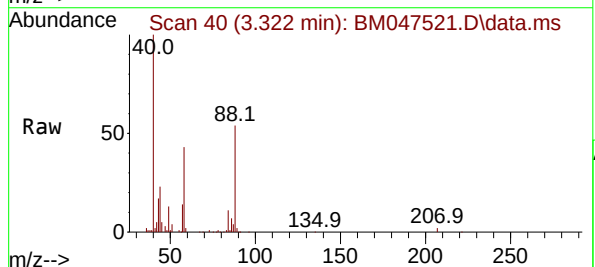
Manual Integrations
APPROVED

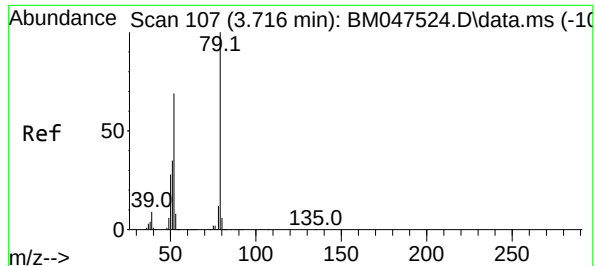
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

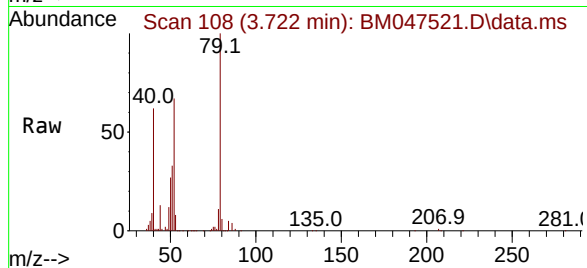
Tgt Ion: 88 Resp: 48363
Ion Ratio Lower Upper
88 100
58 74.2 59.0 88.6
43 29.3 25.0 37.4





#3
Pyridine
Concen: 5.246 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

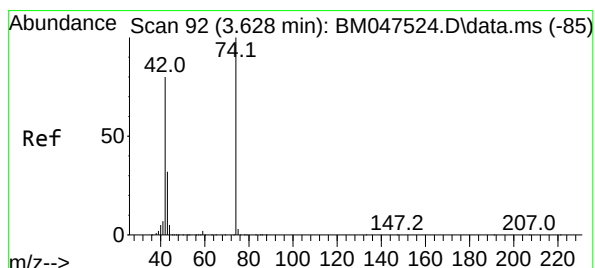
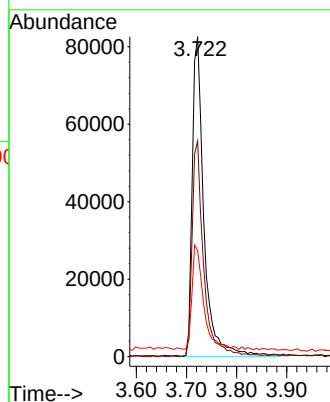
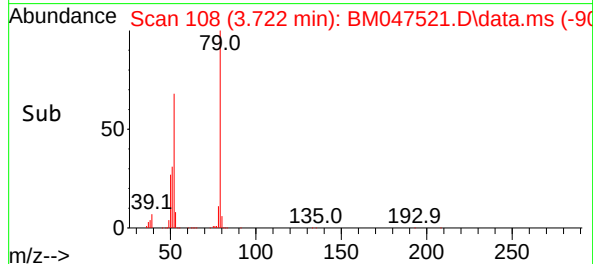
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 79 Resp: 135214
Ion Ratio Lower Upper
79 100
52 67.4 55.4 83.0
51 33.2 27.9 41.9

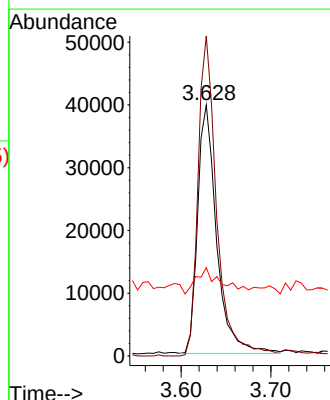
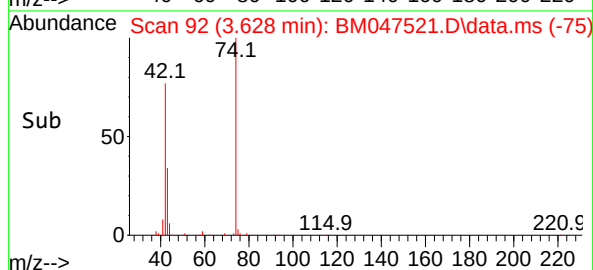
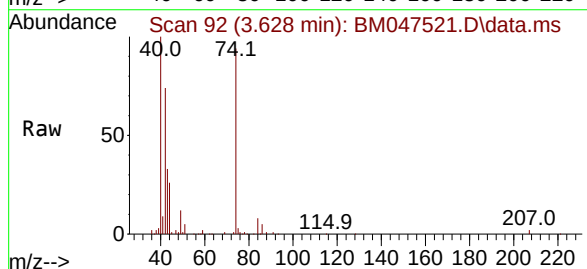
Manual Integrations
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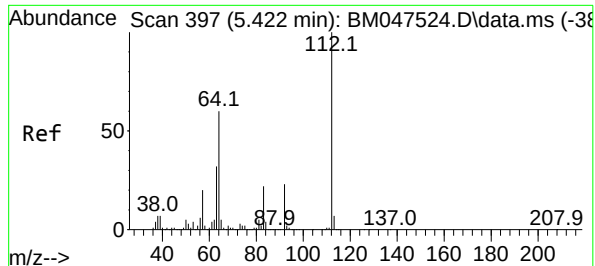
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

Tgt Ion: 42 Resp: 58259
Ion Ratio Lower Upper
42 100
74 127.5 100.5 150.7
44 35.2 6.9 10.3





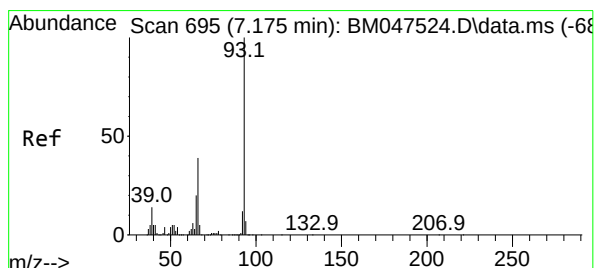
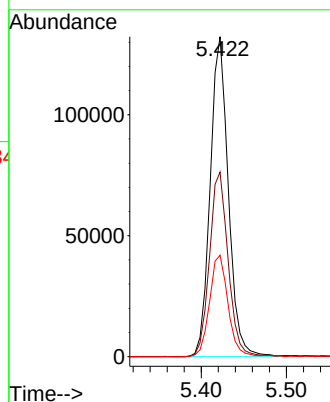
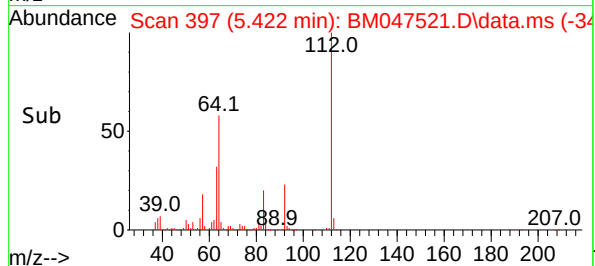
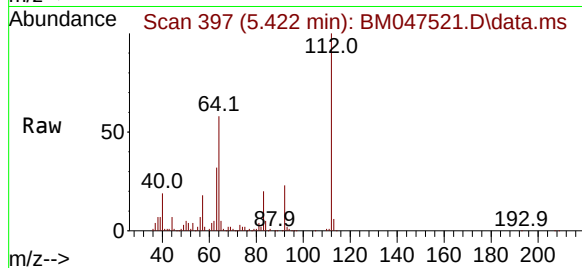
#5
2-Fluorophenol
Concen: 9.677 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

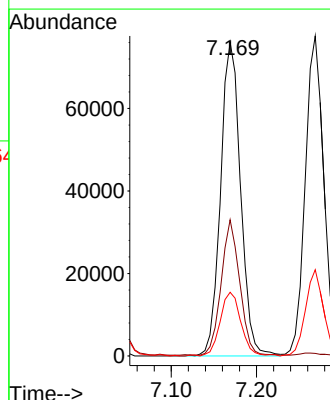
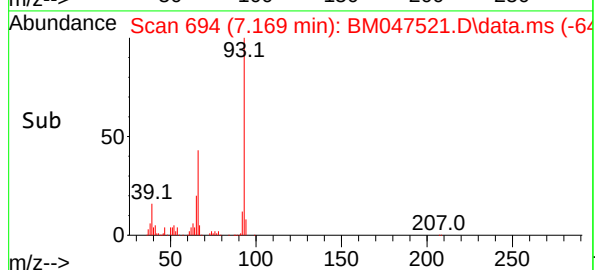
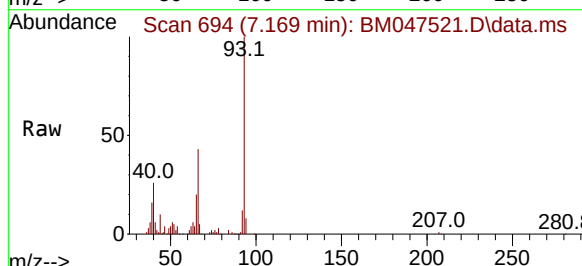
Manual Integrations
APPROVED

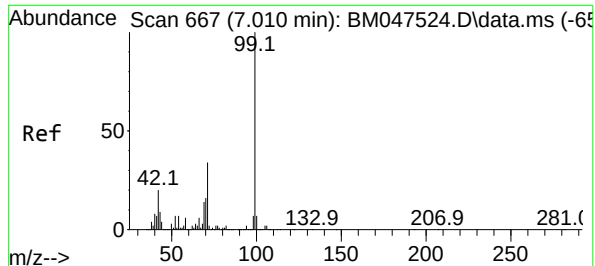
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

Tgt Ion: 93 Resp: 124093
Ion Ratio Lower Upper
93 100
66 43.4 31.4 47.0
65 20.3 16.3 24.5





#7

Phenol-d6

Concen: 9.226 ng

RT: 7.004 min Scan# 60

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion: 99 Resp: 26275

Ion Ratio Lower Upper

99 100

42 18.4 15.8 23.8

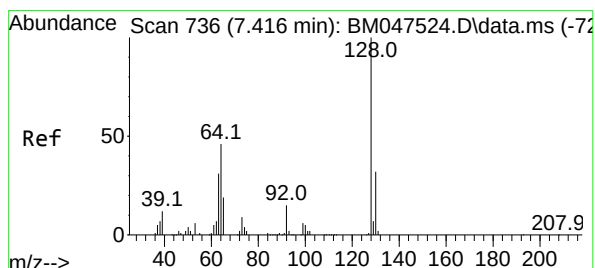
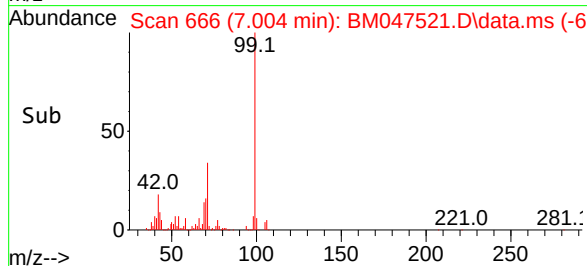
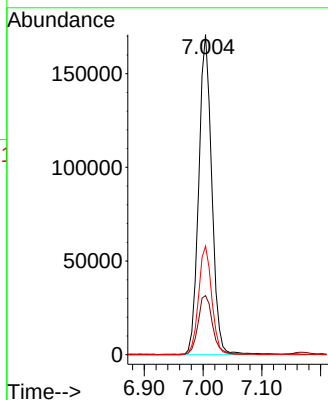
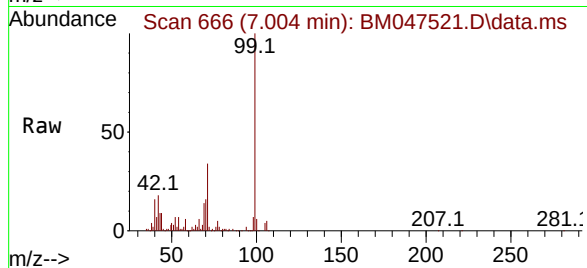
71 34.0 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#8

2-Chlorophenol

Concen: 4.830 ng

RT: 7.410 min Scan# 735

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

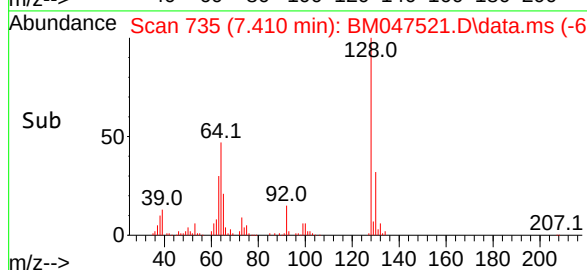
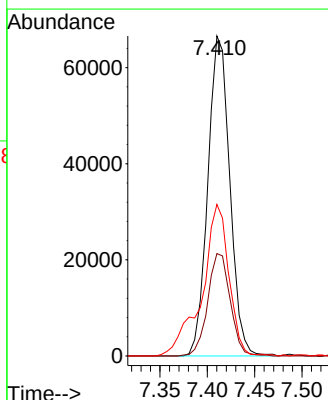
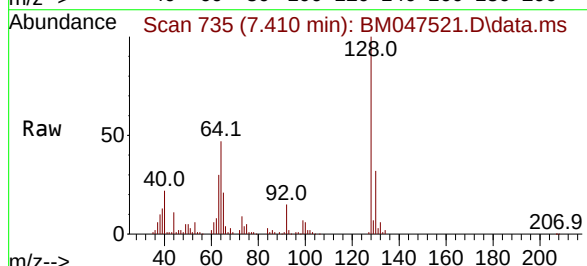
Tgt Ion:128 Resp: 107673

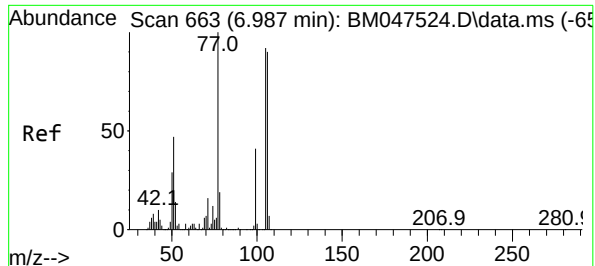
Ion Ratio Lower Upper

128 100

130 32.0 11.8 51.8

64 47.4 27.6 67.6





#9

Benzaldehyde

Concen: 5.488 ng m

RT: 6.981 min Scan# 60

Delta R.T. -0.006 min

Lab File: BM047521.D

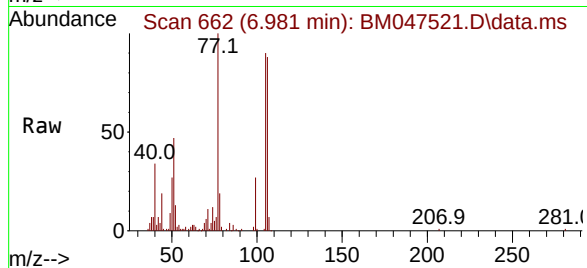
Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005



Tgt Ion: 77 Resp: 74318

Ion Ratio Lower Upper

77 100

105 90.4 71.8 111.8

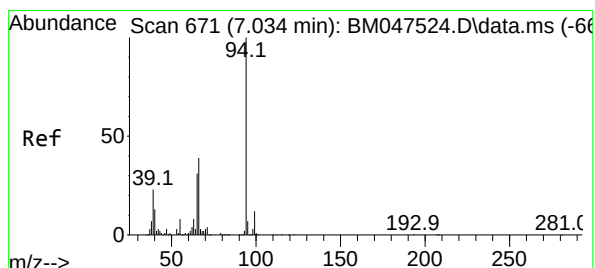
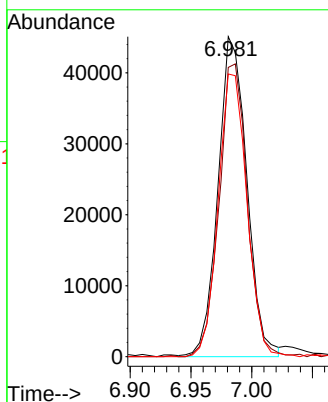
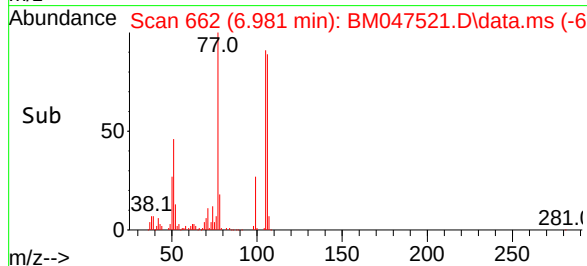
106 88.4 69.7 109.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#10

Phenol

Concen: 4.732 ng

RT: 7.028 min Scan# 670

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

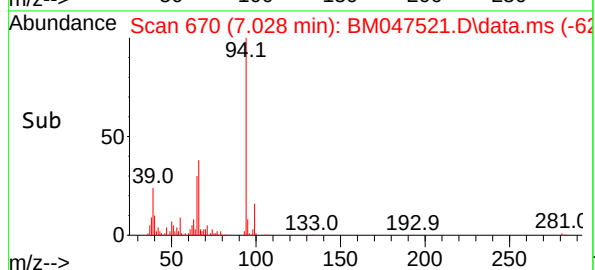
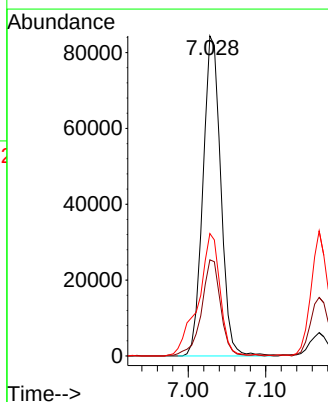
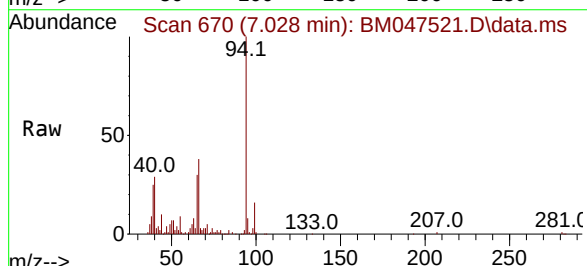
Tgt Ion: 94 Resp: 134938

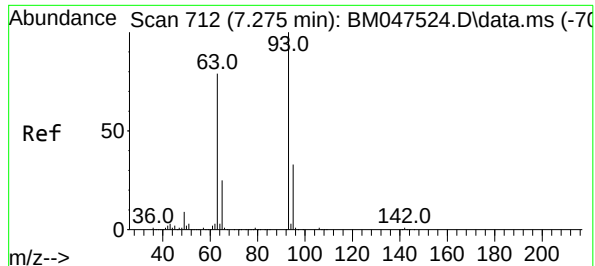
Ion Ratio Lower Upper

94 100

65 30.1 10.8 50.8

66 38.3 19.2 59.2





#11

bis(2-Chloroethyl)ether

Concen: 5.101 ng

RT: 7.269 min Scan# 712

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

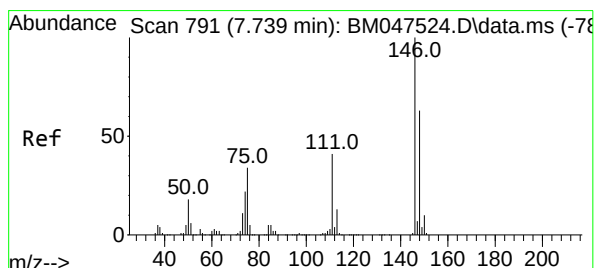
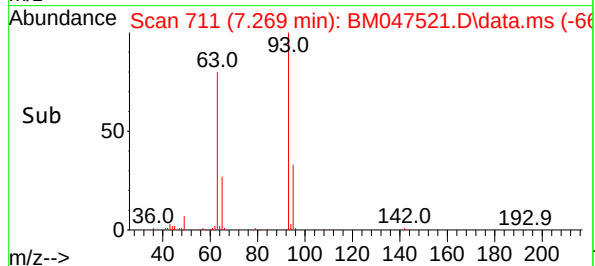
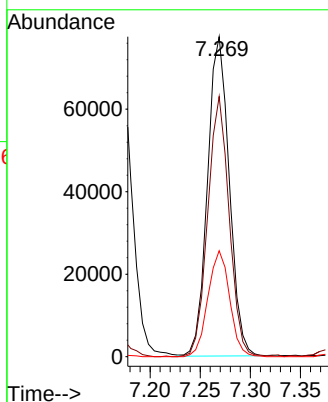
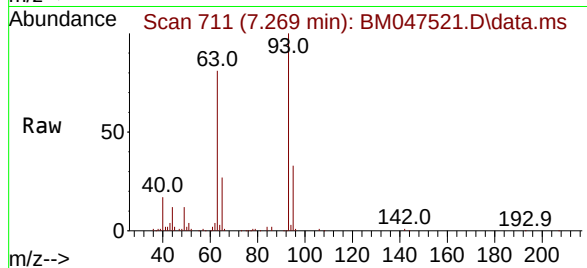
95 33.1 12.8 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

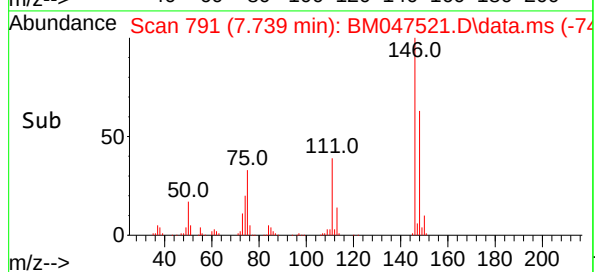
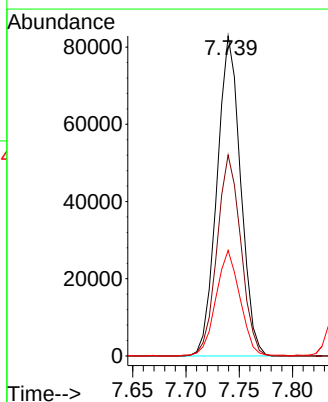
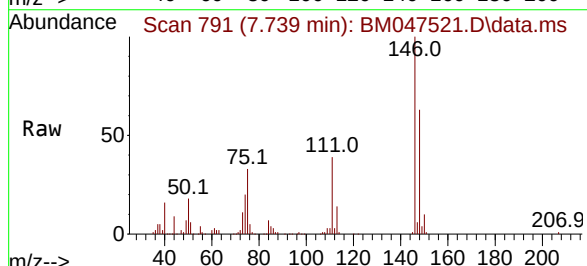
Tgt Ion:146 Resp: 127671

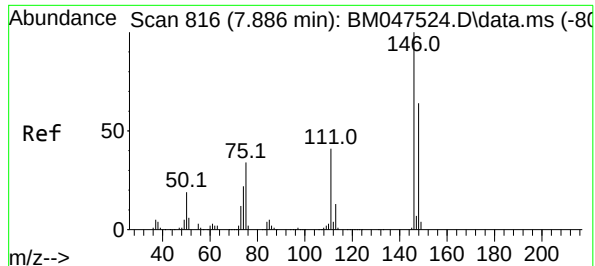
Ion Ratio Lower Upper

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# 816

Delta R.T. 0.000 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 128270

Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

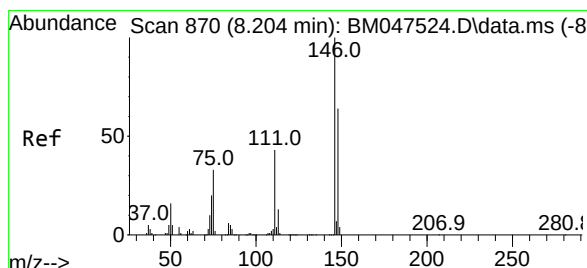
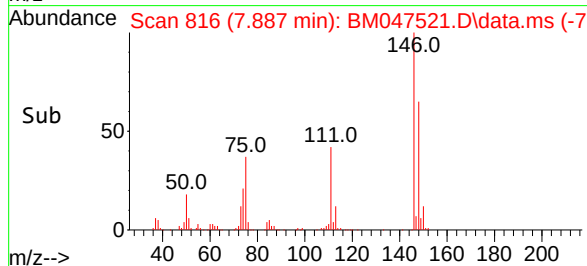
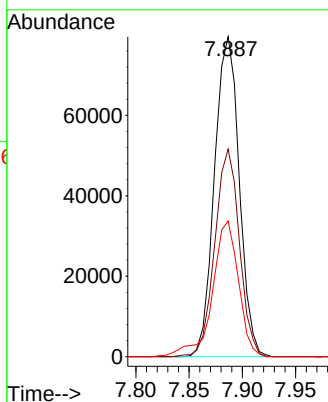
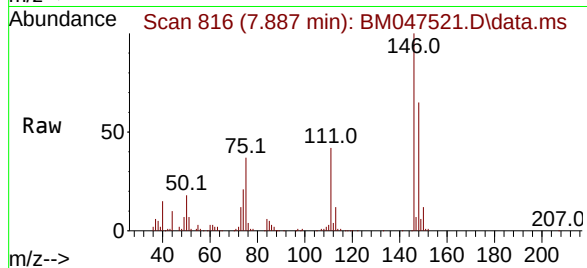
111 42.4 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#14

1,2-Dichlorobenzene

Concen: 5.084 ng

RT: 8.204 min Scan# 870

Delta R.T. 0.000 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

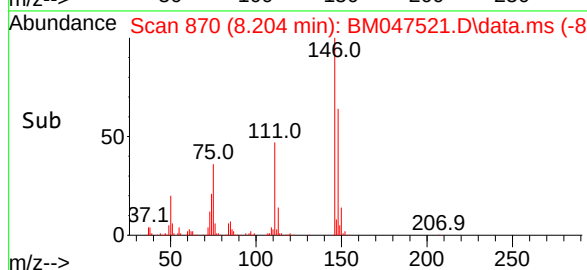
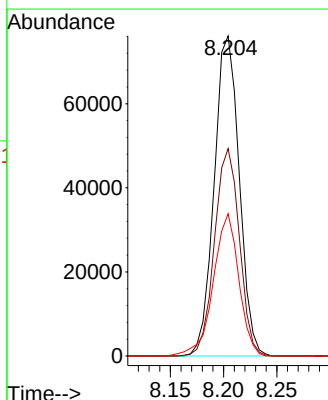
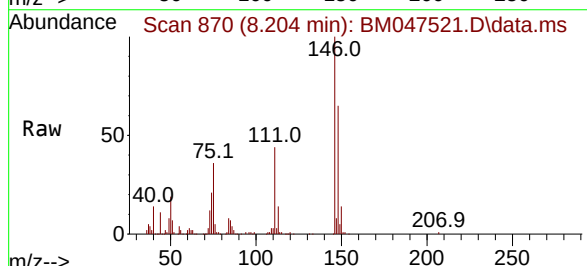
Tgt Ion:146 Resp: 124358

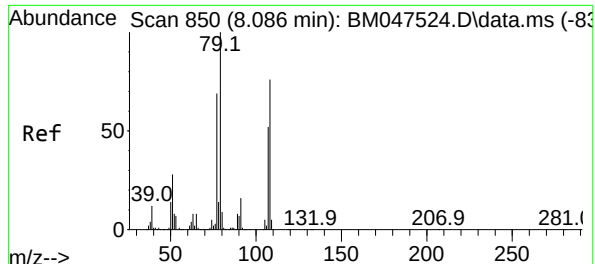
Ion Ratio Lower Upper

146 100

148 64.8 51.1 76.7

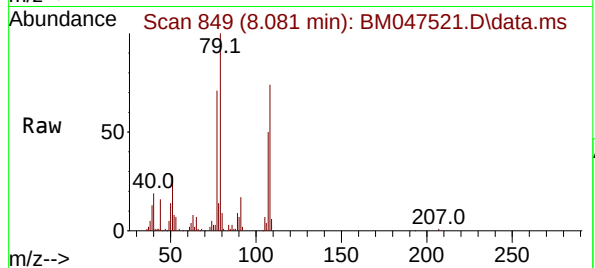
111 44.5 34.7 52.1





#15
Benzyl Alcohol
Concen: 4.566 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

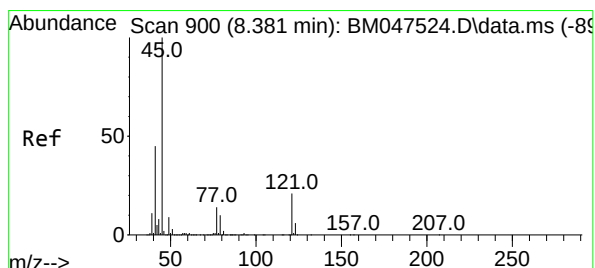
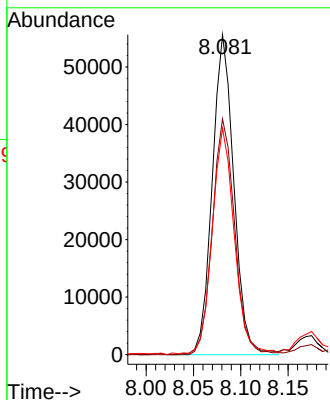
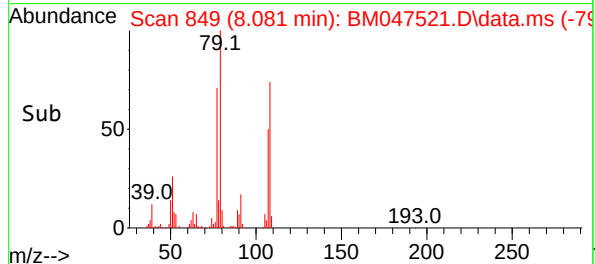
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 79 Resp: 88090
Ion Ratio Lower Upper
79 100
108 73.7 60.6 91.0
77 70.7 55.0 82.4

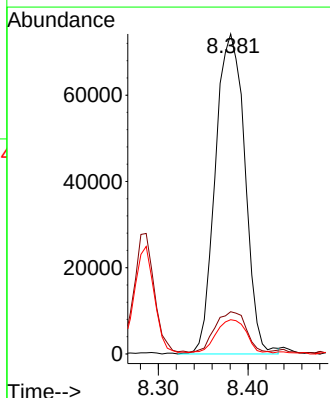
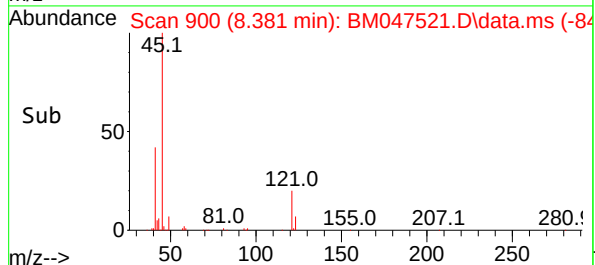
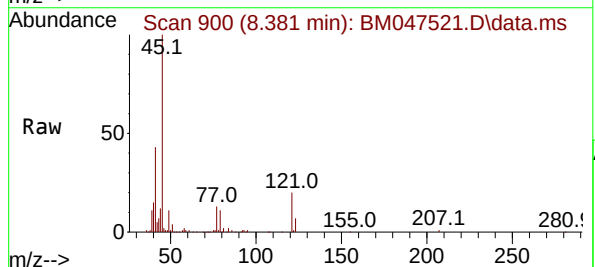
Manual Integrations
APPROVED

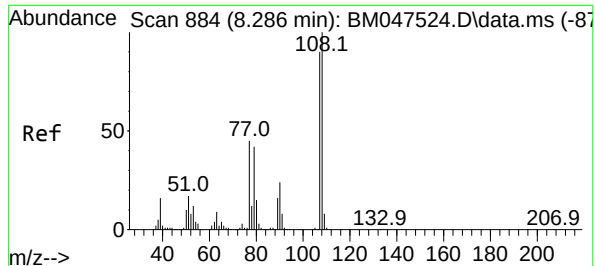
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

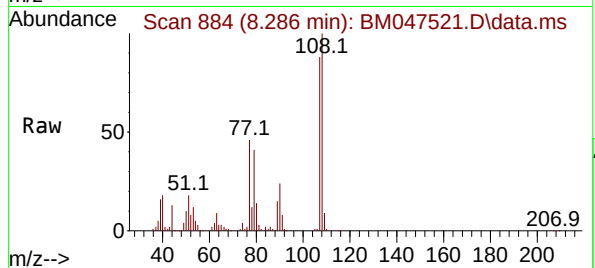
Tgt Ion: 45 Resp: 169328
Ion Ratio Lower Upper
45 100
77 13.2 0.0 33.7
79 10.7 0.0 30.3





#17
2-Methylphenol
Concen: 4.599 ng
RT: 8.286 min Scan# 884
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

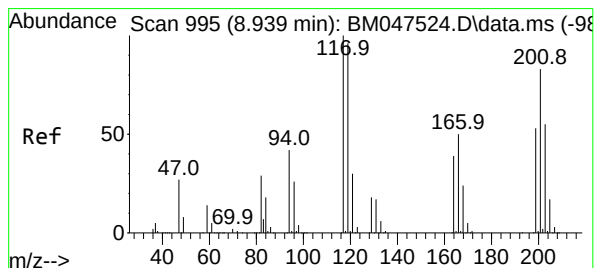
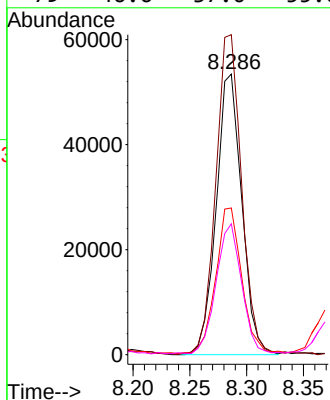
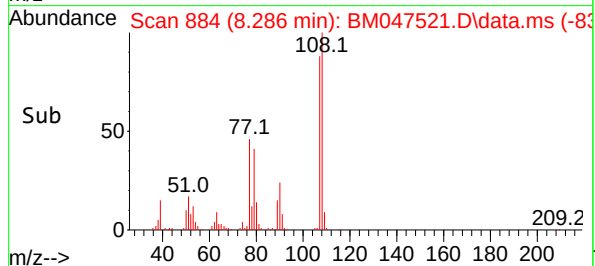
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



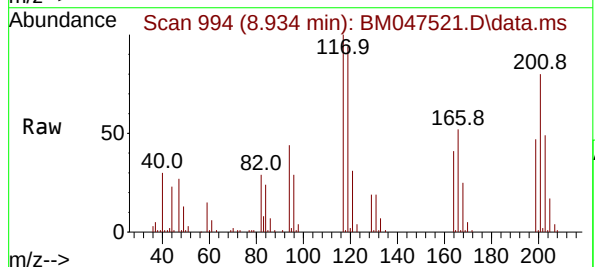
Tgt Ion:107 Resp: 83775
Ion Ratio Lower Upper
107 100
108 114.0 88.9 133.3
77 52.3 39.8 59.8
79 46.6 37.0 55.6

Manual Integrations
APPROVED

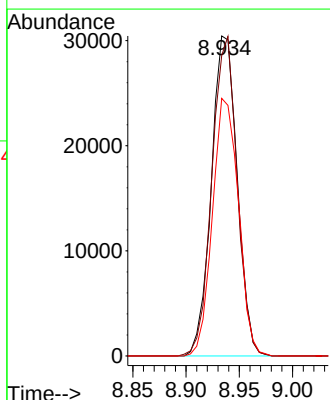
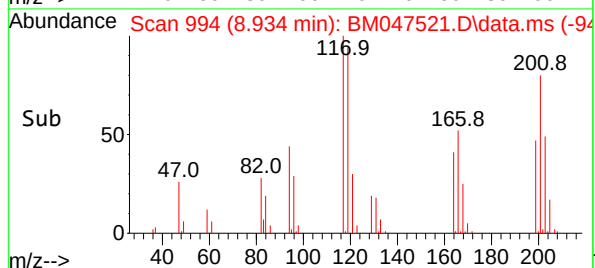
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

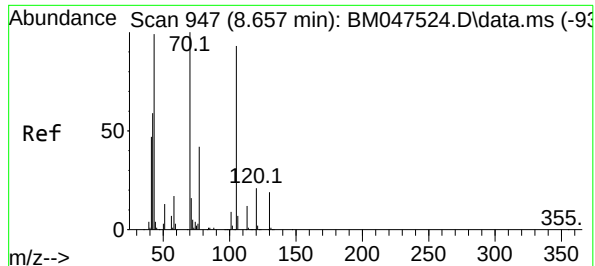


#18
Hexachloroethane
Concen: 5.180 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



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

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 92114

Ion Ratio Lower Upper

70 100

42 58.7 48.2 72.2

101 7.9 7.0 10.4

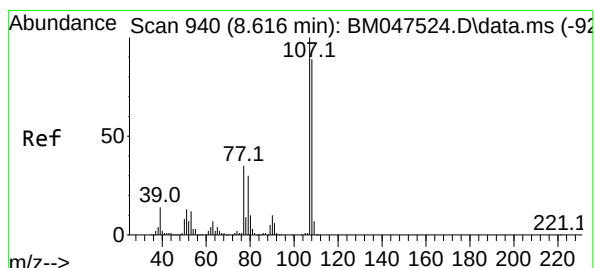
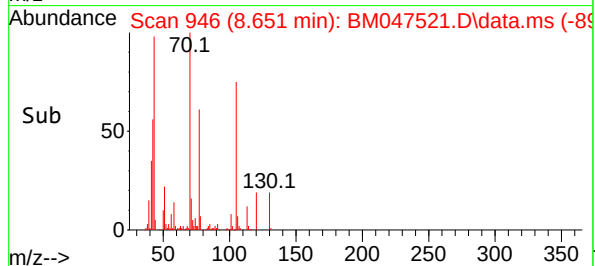
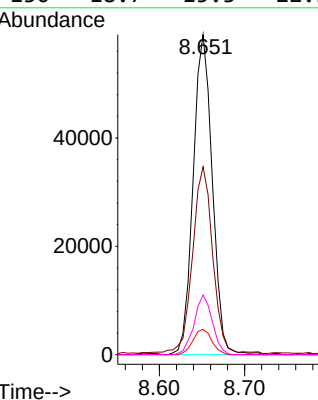
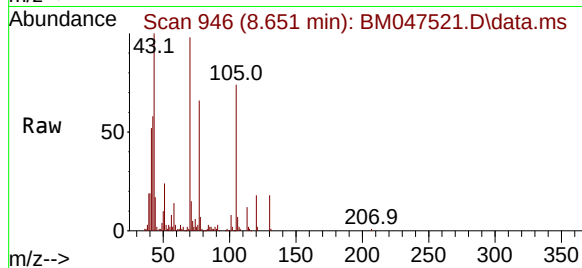
130 18.7 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

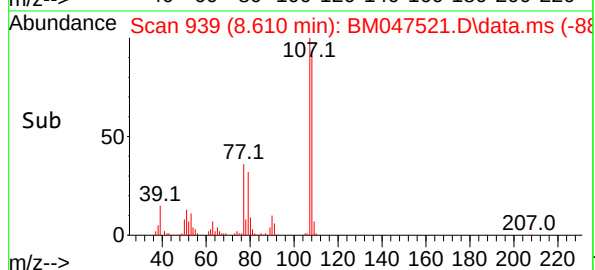
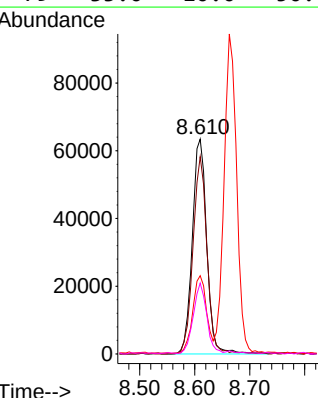
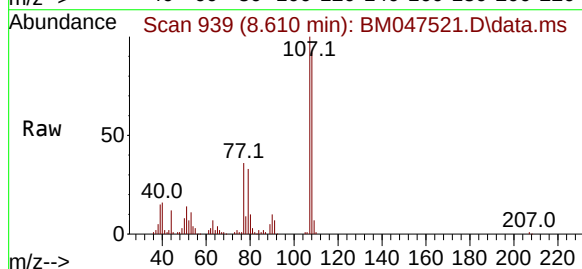
Ion Ratio Lower Upper

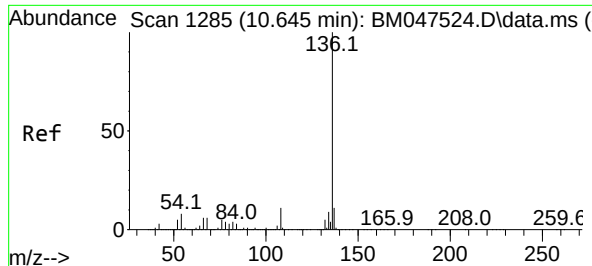
107 100

108 91.8 68.9 108.9

77 36.4 15.5 55.5

79 33.0 10.0 50.0





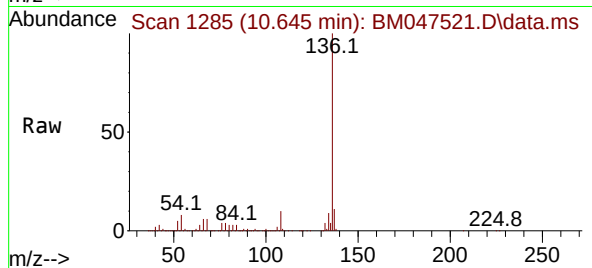
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005



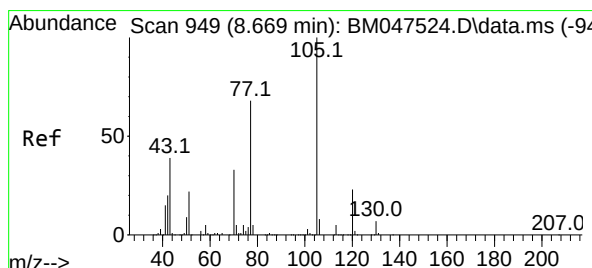
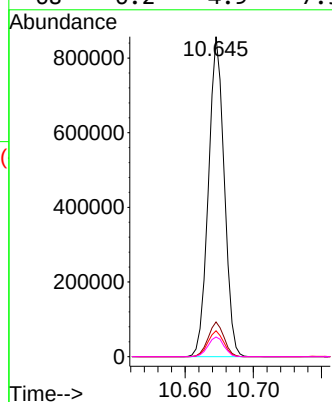
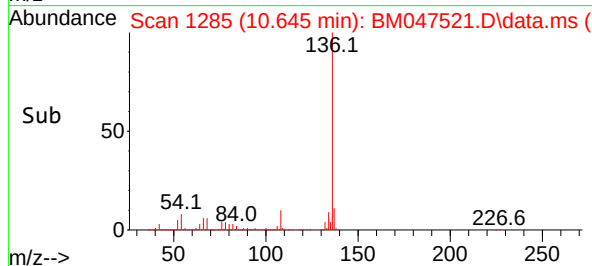
Tgt Ion:136 Resp: 1379600

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

Manual Integrations

APPROVED

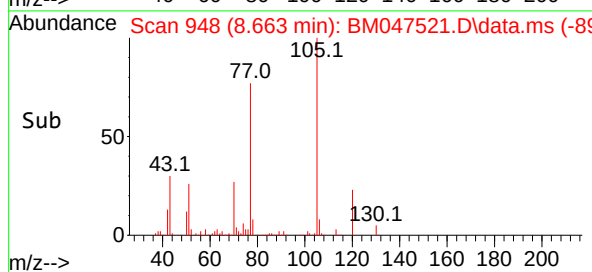
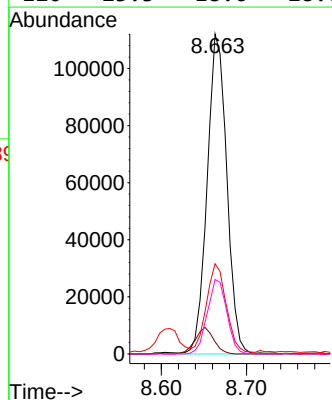
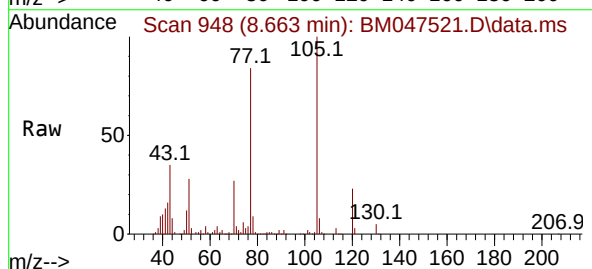
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

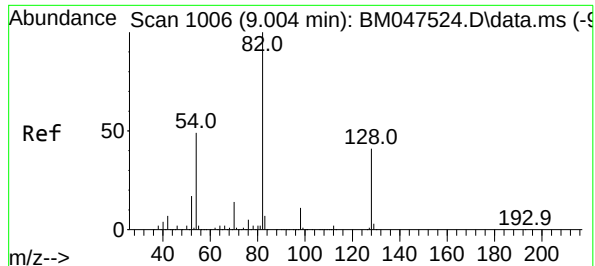


#22
Acetophenone
Concen: 4.953 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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# 1005

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 26689

Ion Ratio Lower Upper

82 100

128 38.0 33.0 49.4

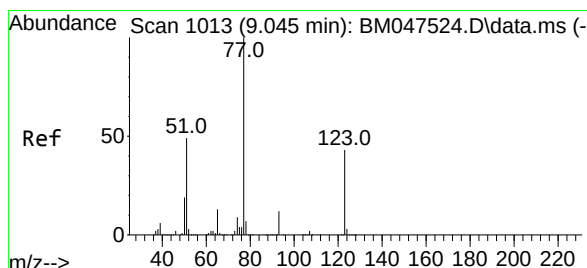
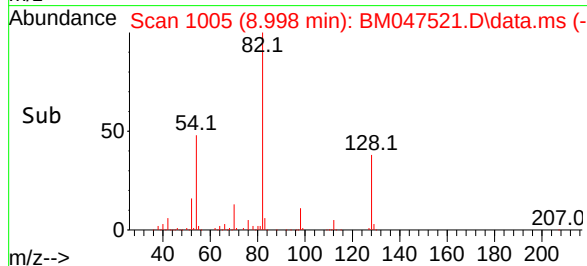
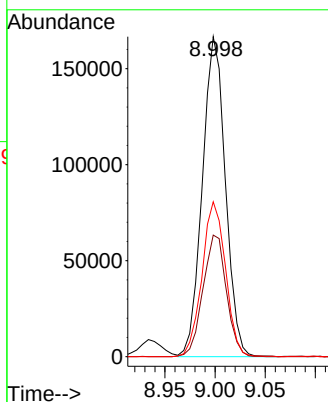
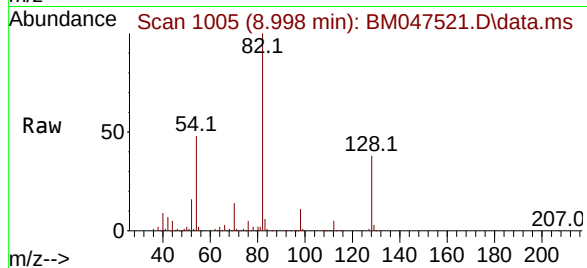
54 48.4 39.3 58.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

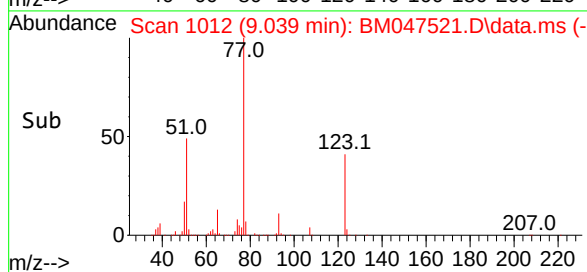
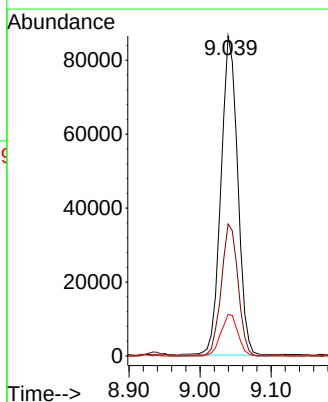
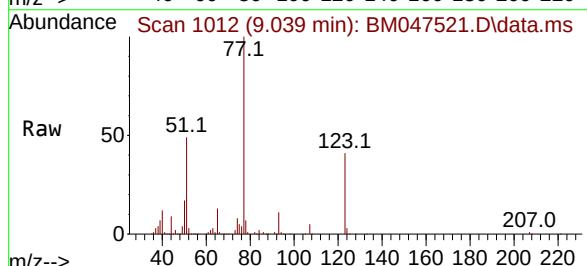
Tgt Ion: 77 Resp: 141172

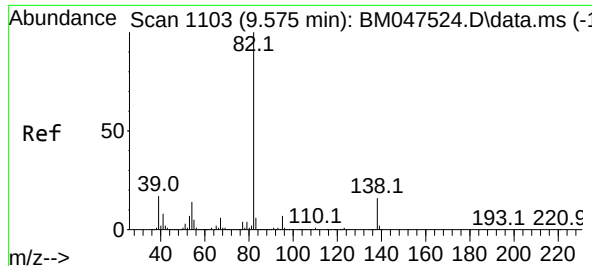
Ion Ratio Lower Upper

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# 1103

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 231598

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

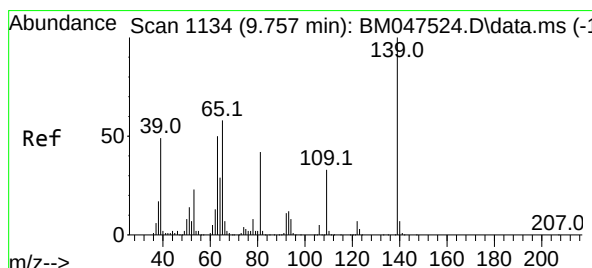
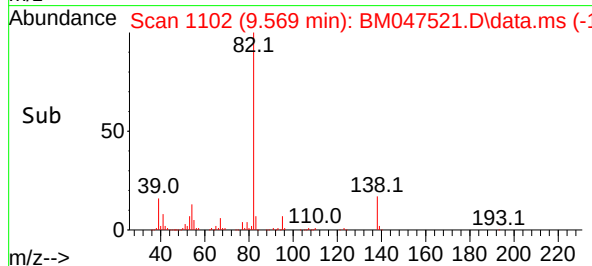
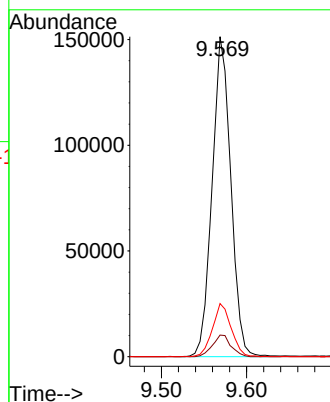
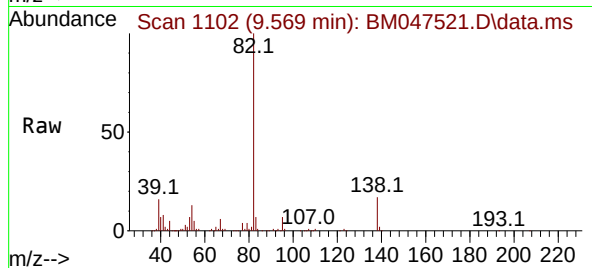
138 16.6 12.9 19.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

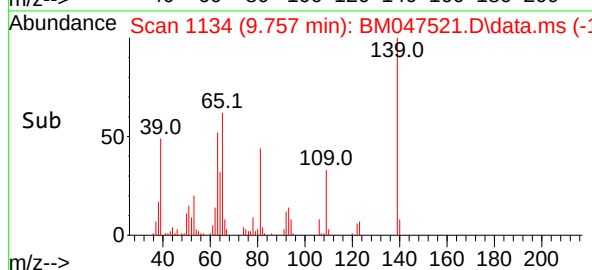
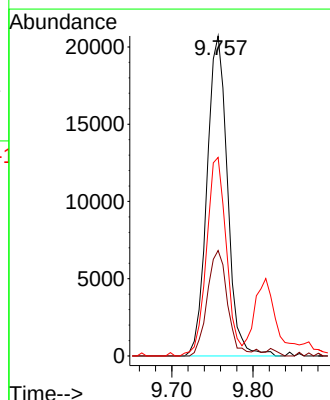
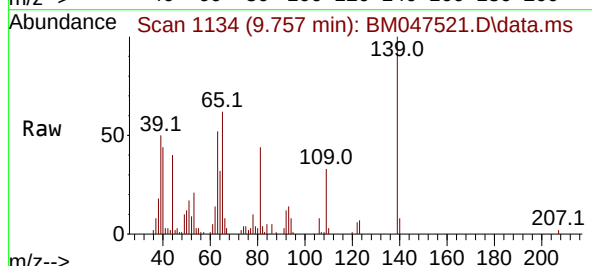
Tgt Ion:139 Resp: 36202

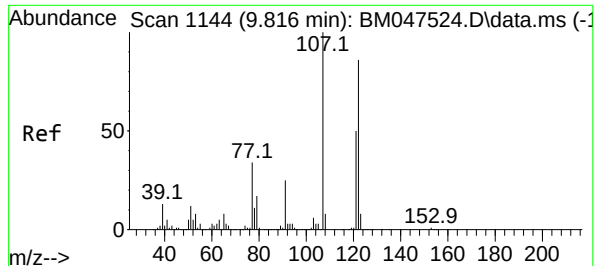
Ion Ratio Lower Upper

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# 1144

Delta R.T. 0.000 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:122 Resp: 7158

Ion Ratio Lower Upper

122 100

107 116.6 92.4 138.6

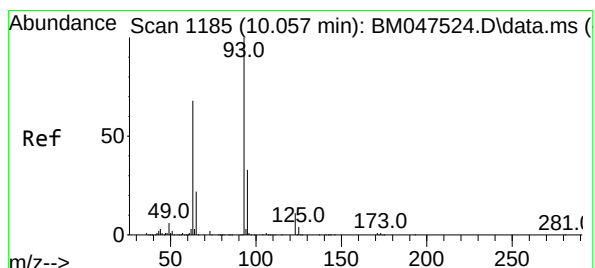
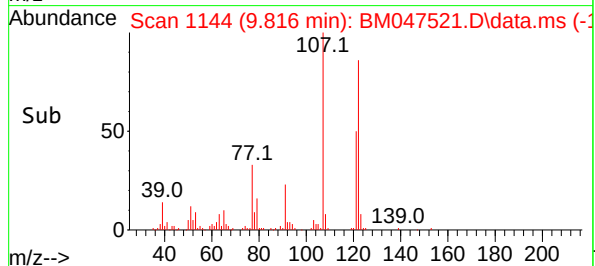
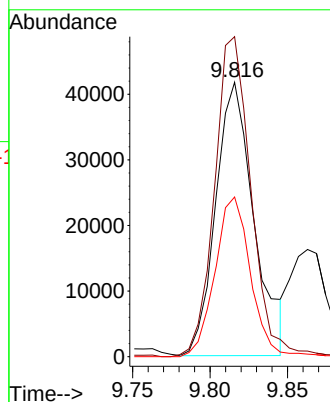
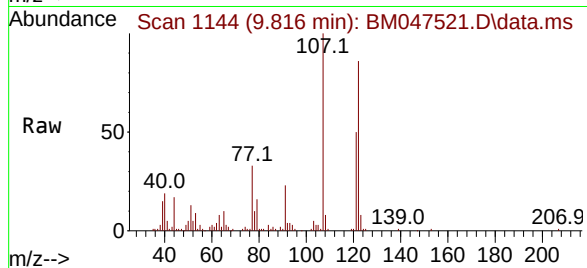
121 58.2 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

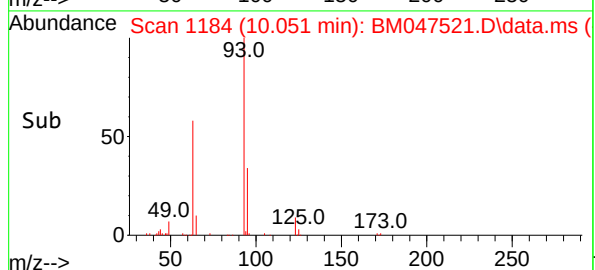
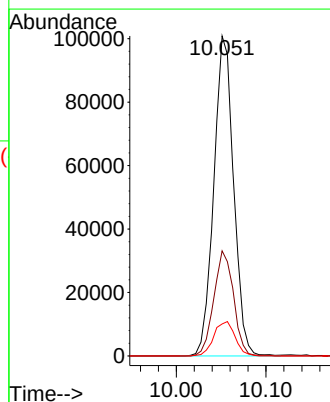
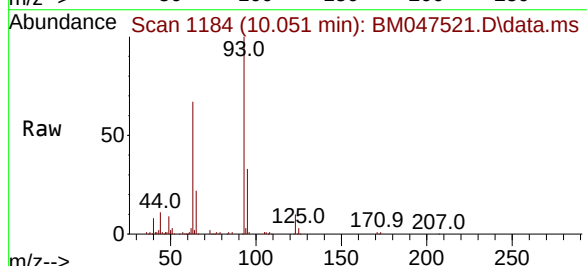
Tgt Ion: 93 Resp: 154543

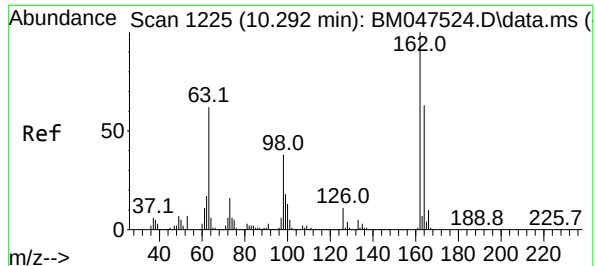
Ion Ratio Lower Upper

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# 1225

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

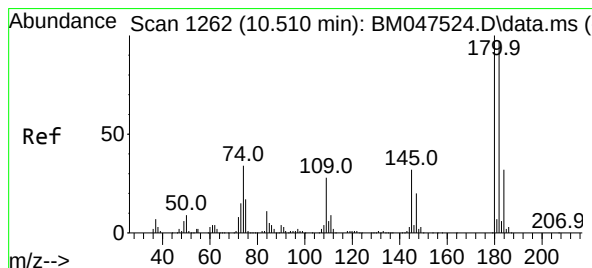
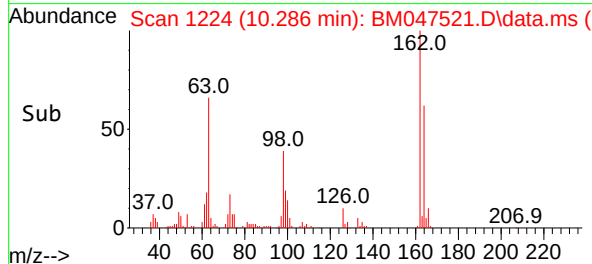
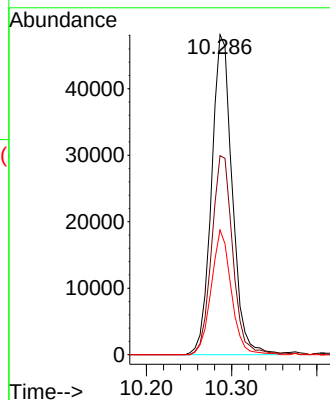
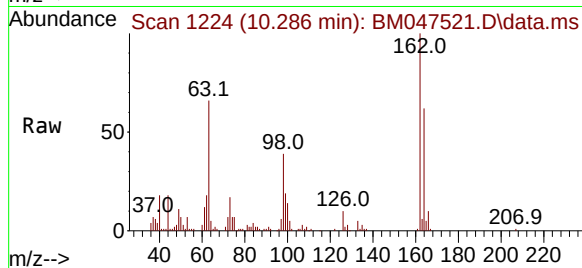
SSTDICC005

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

Manual Integrations

APPROVED

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



#30

1,2,4-Trichlorobenzene

Concen: 5.074 ng

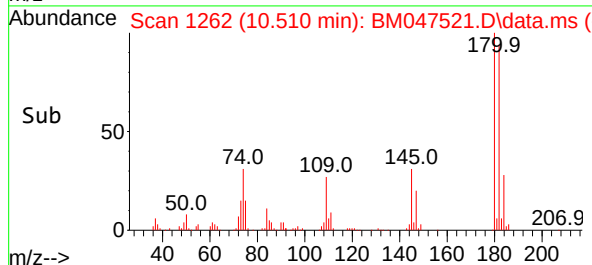
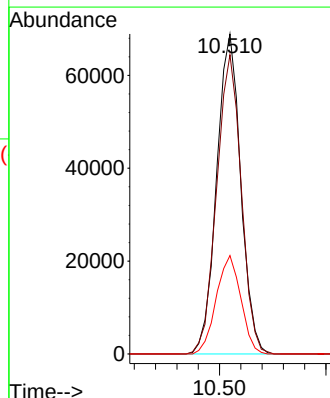
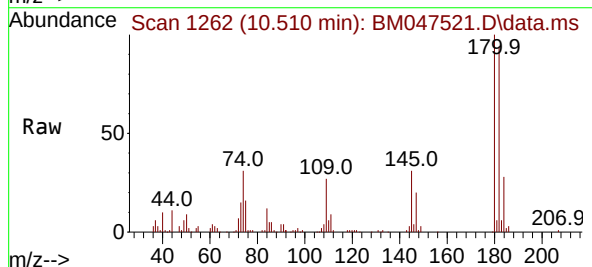
RT: 10.510 min Scan# 1262

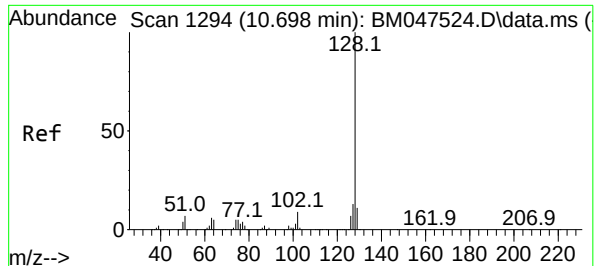
Delta R.T. 0.000 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

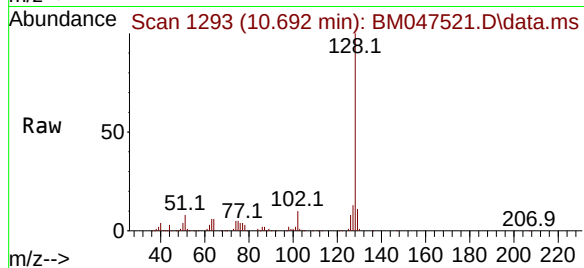
Tgt Ion:180	Resp:	108051
Ion Ratio	Lower	Upper
180	100	
182	93.5	77.6 116.4
145	30.7	25.4 38.0





#31
Naphthalene
Concen: 5.011 ng
RT: 10.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

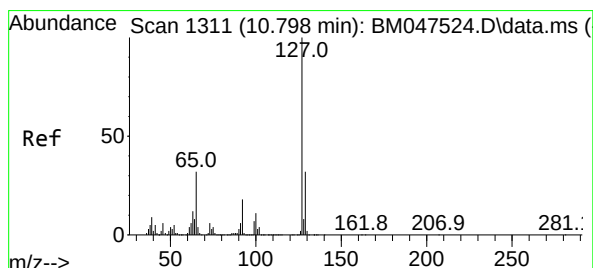
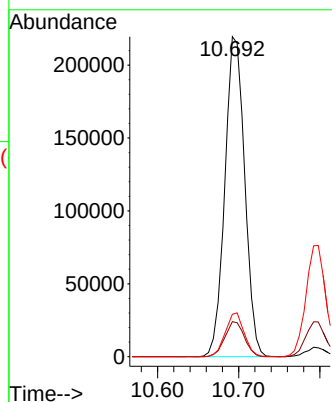
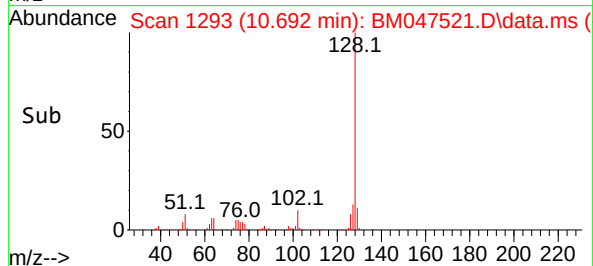
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



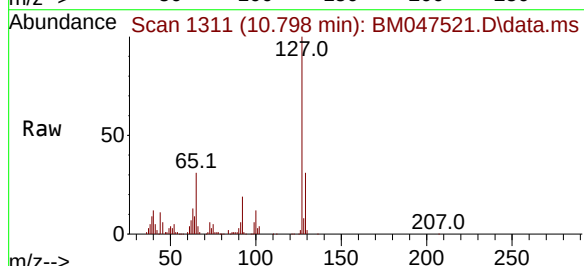
Tgt Ion:128 Resp: 373399
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.3 10.5 15.7

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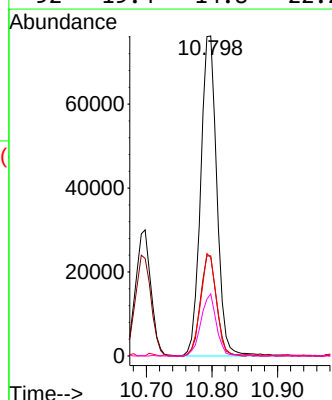
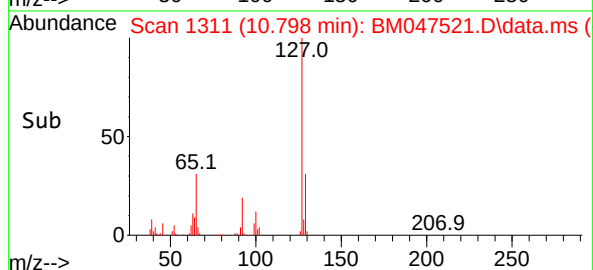
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

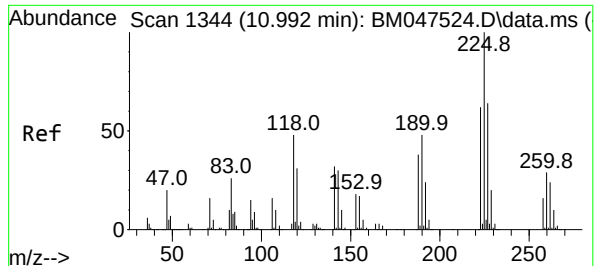


#33
4-Chloroaniline
Concen: 4.890 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



Tgt Ion:127 Resp: 131738
Ion Ratio Lower Upper
127 100
129 31.2 25.4 38.0
65 30.8 25.5 38.3
92 19.4 14.8 22.2





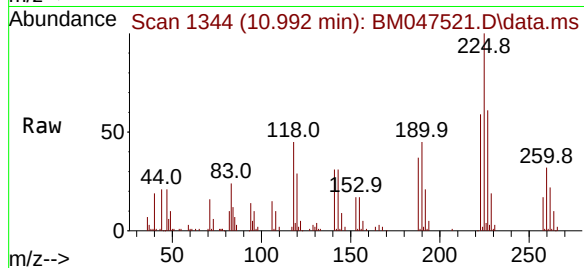
#34
Hexachlorobutadiene
Concen: 5.071 ng
RT: 10.992 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

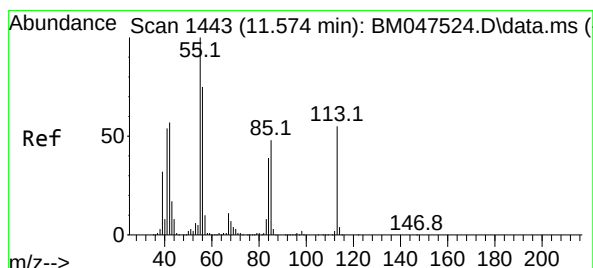
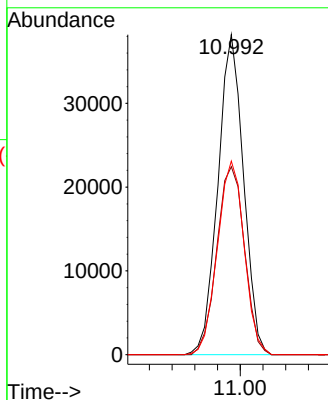
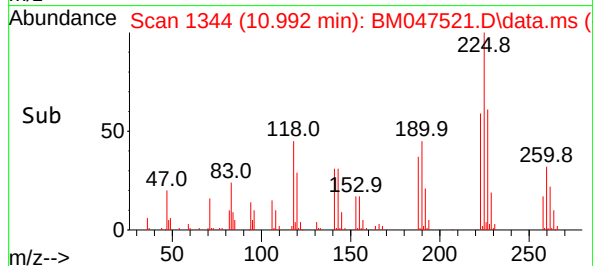


Tgt Ion:225 Resp: 5981
Ion Ratio Lower Upper
225 100
223 58.8 49.8 74.6
227 60.5 51.0 76.4

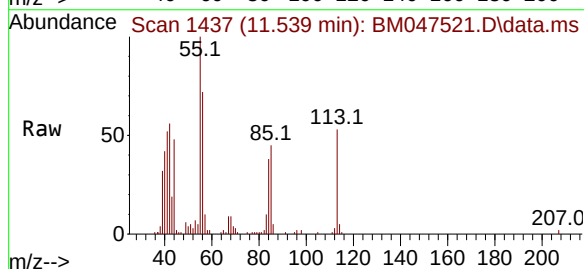
Manual Integrations

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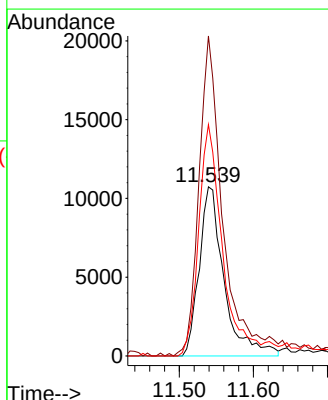
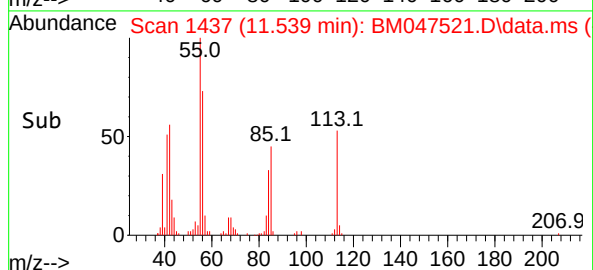
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

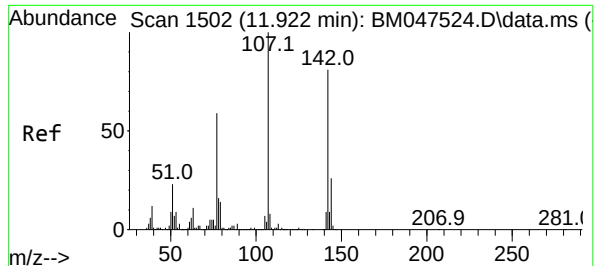


#35
Caprolactam
Concen: 4.093 ng
RT: 11.539 min Scan# 1437
Delta R.T. -0.035 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



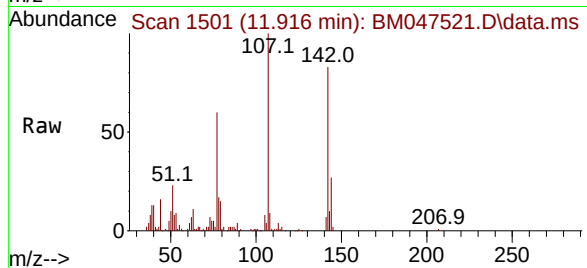
Tgt Ion:113 Resp: 25064
Ion Ratio Lower Upper
113 100
55 189.2 162.5 202.5
56 136.8 116.5 156.5





#36
4-Chloro-3-methylphenol
Concen: 4.348 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

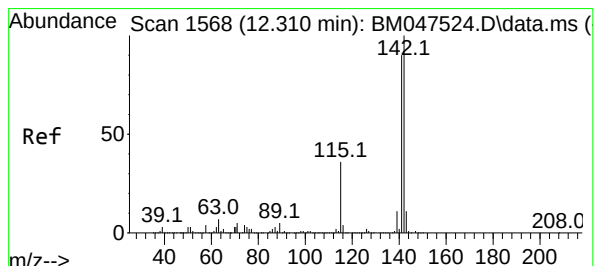
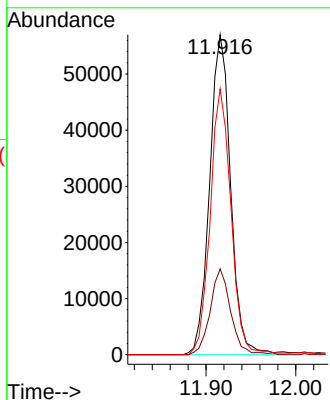
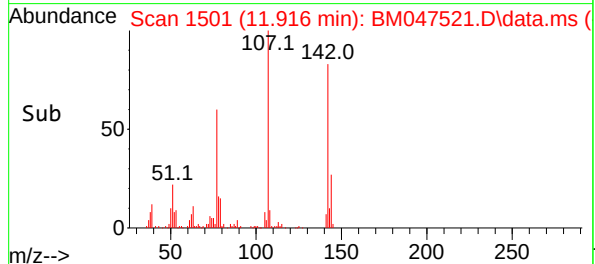
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



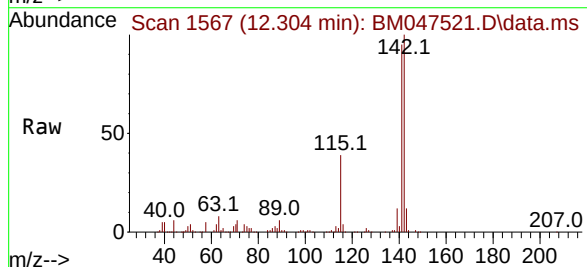
Tgt Ion:107 Resp: 92624
Ion Ratio Lower Upper
107 100
144 26.8 20.5 30.7
142 83.0 65.0 97.4

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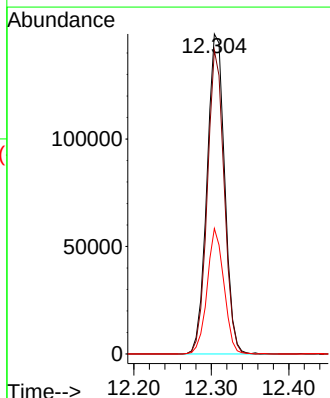
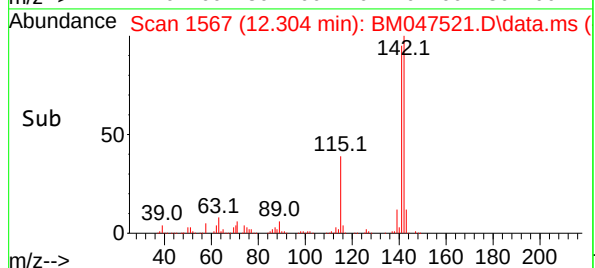
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

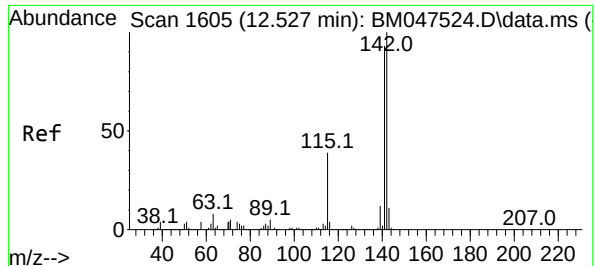


#37
2-Methylnaphthalene
Concen: 4.750 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



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

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:142 Resp: 234130

Ion Ratio Lower Upper

142 100

141 92.6 74.7 112.1

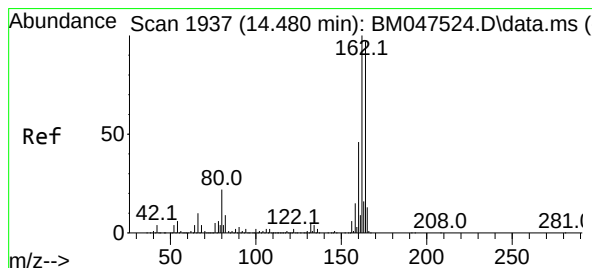
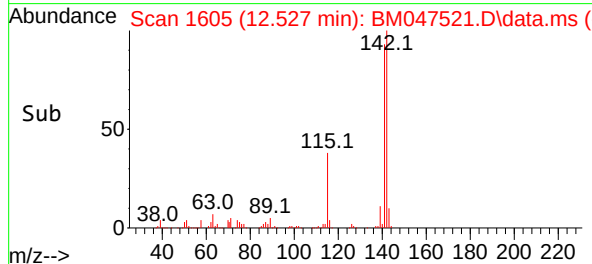
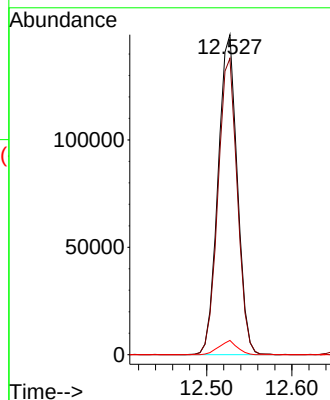
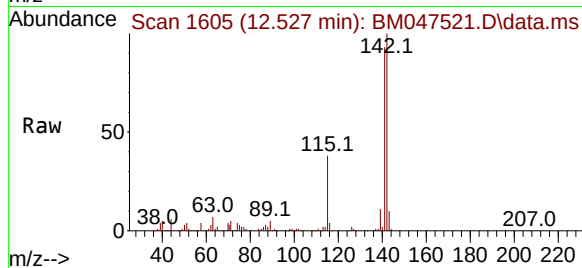
116 4.5 3.2 4.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

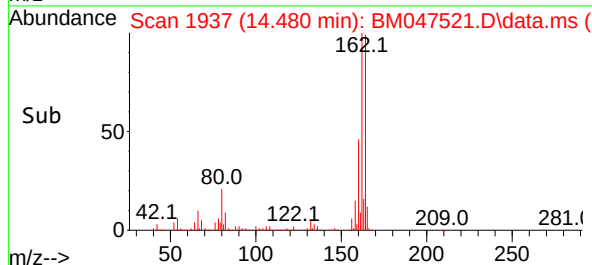
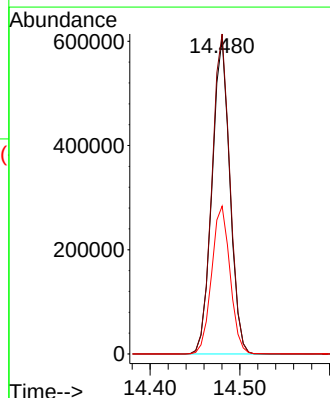
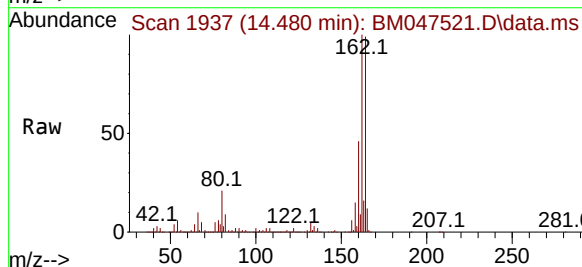
Tgt Ion:164 Resp: 831511

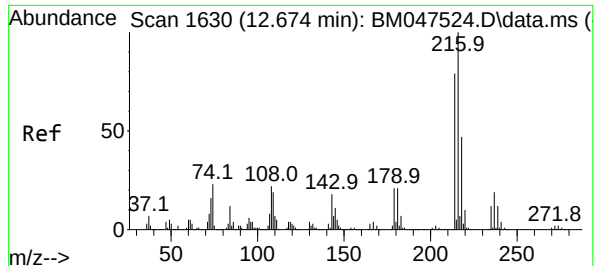
Ion Ratio Lower Upper

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# 1630

Delta R.T. 0.000 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:216 Resp: 104928

Ion Ratio Lower Upper

216 100

214 78.7 63.0 94.6

179 22.4 17.5 26.3

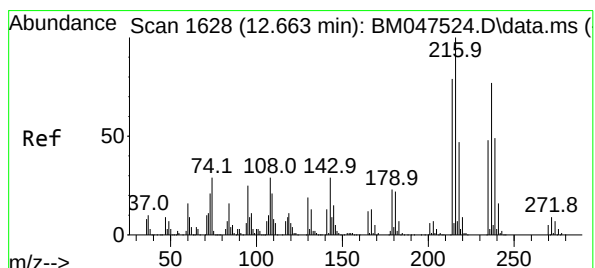
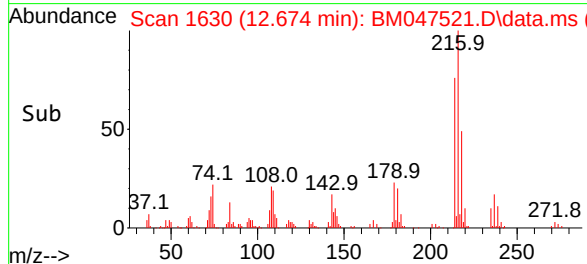
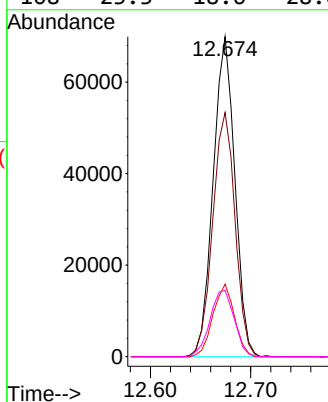
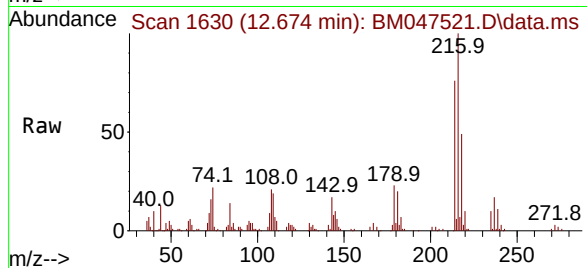
108 23.3 18.6 28.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

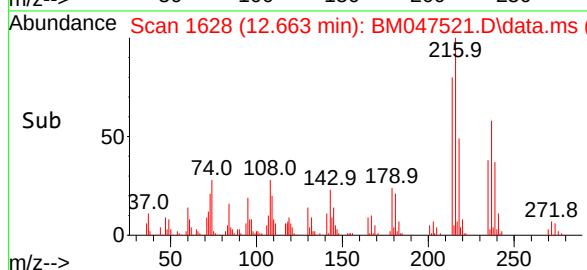
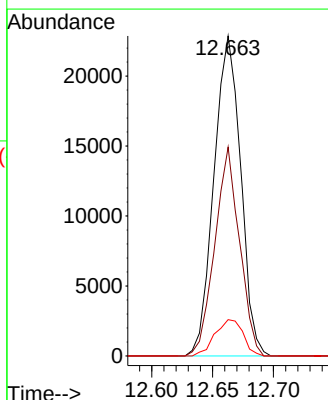
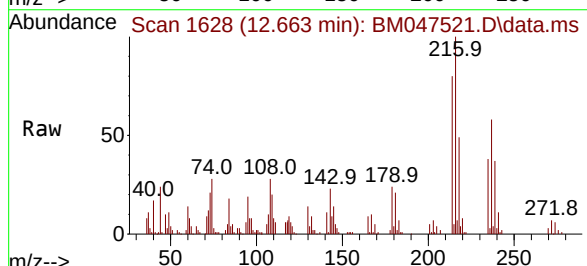
Tgt Ion:237 Resp: 34913

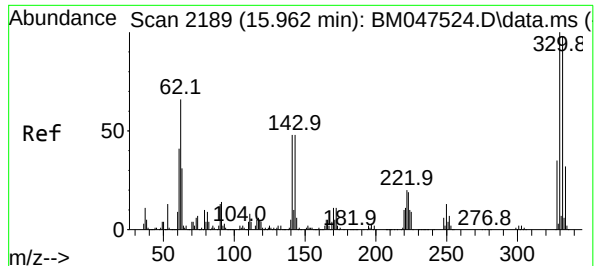
Ion Ratio Lower Upper

237 100

235 65.3 42.0 82.0

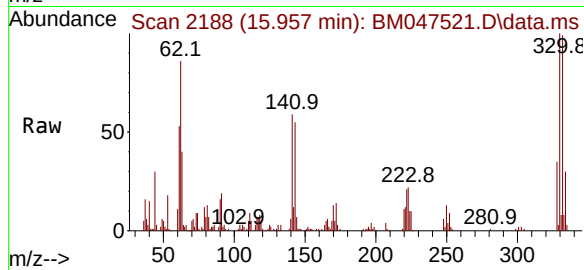
272 11.3 0.0 31.5





#42
2,4,6-Tribromophenol
Concen: 7.689 ng
RT: 15.957 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

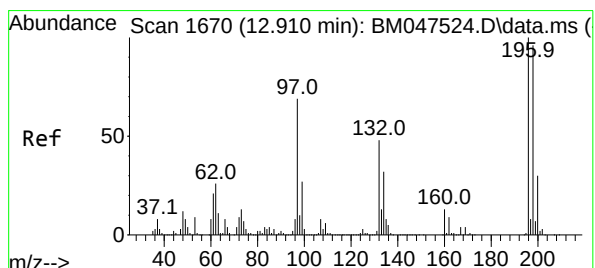
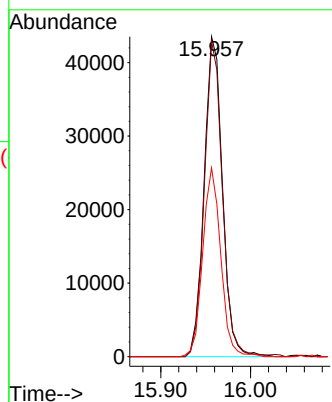
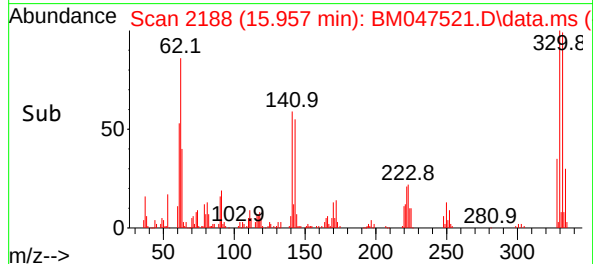
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



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

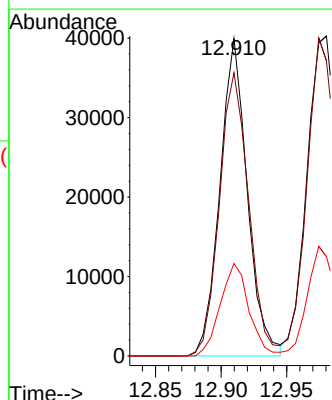
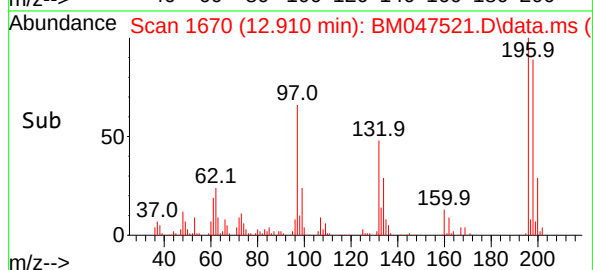
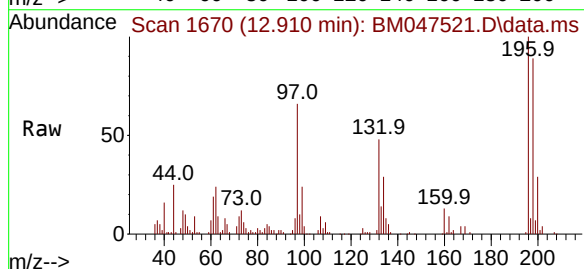
Manual Integrations
APPROVED

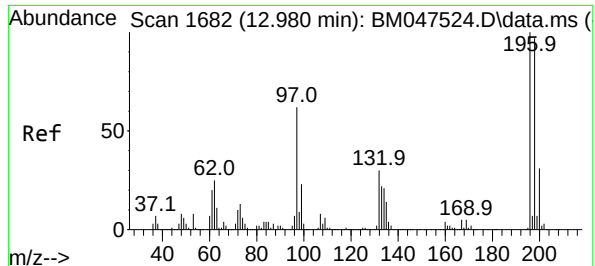
Reviewed By : Yogesh Patel 09/16/2024
Supervised By : mohammad ahmed 09/17/2024



#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

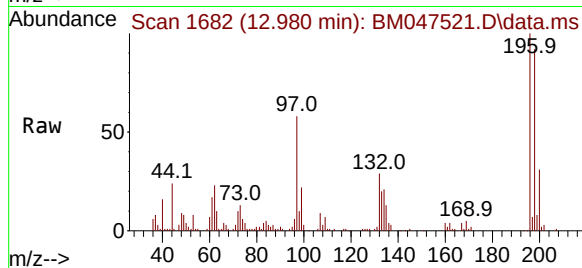
Tgt Ion: 196 Resp: 58063
Ion Ratio Lower Upper
196 100
198 89.2 76.9 115.3
200 29.1 24.3 36.5





#44
2,4,5-Trichlorophenol
Concen: 4.228 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

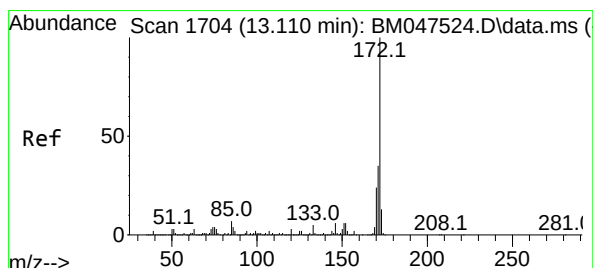
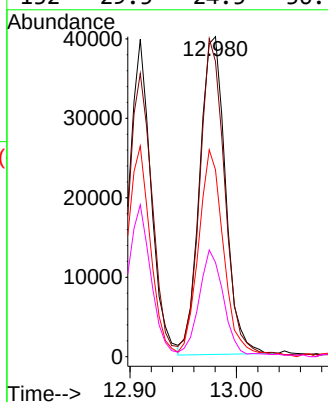
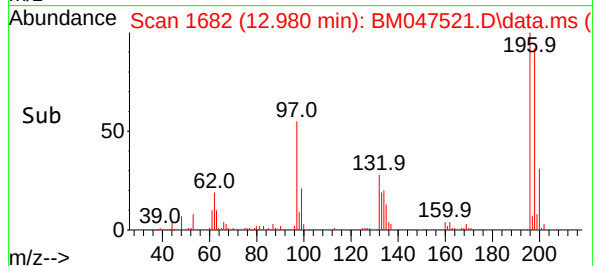
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



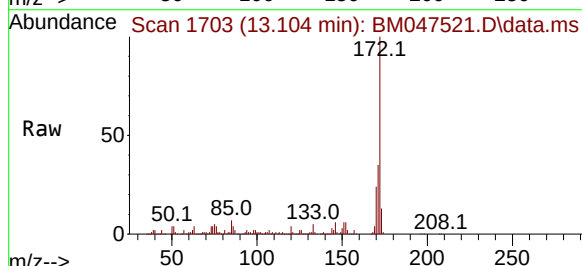
Tgt Ion:196 Resp: 67320
Ion Ratio Lower Upper
196 100
198 92.3 77.4 116.2
97 58.4 49.8 74.8
132 29.5 24.5 36.7

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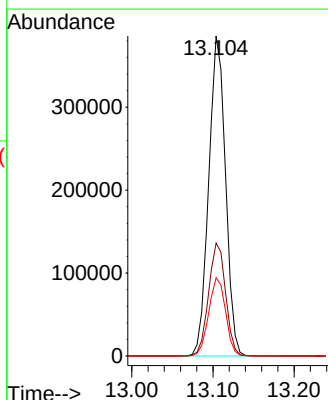
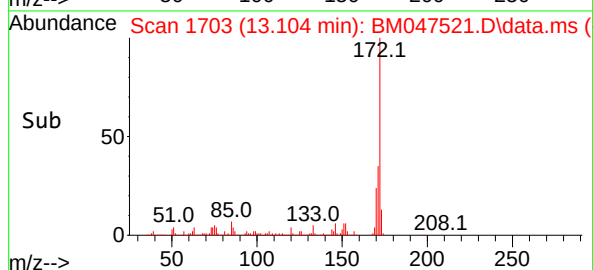
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

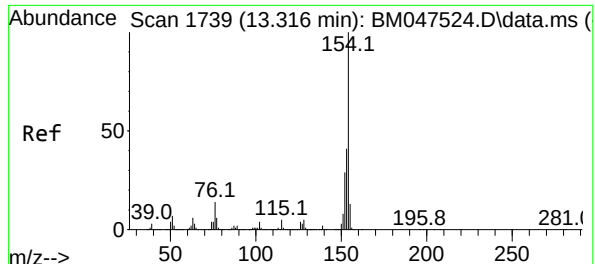


#45
2-Fluorobiphenyl
Concen: 9.167 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



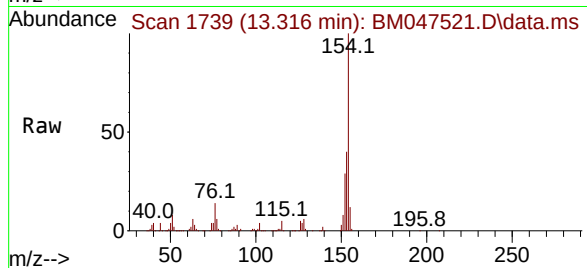
Tgt Ion:172 Resp: 553330
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 24.5 19.4 29.0





#46
1,1'-Biphenyl
Concen: 4.813 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

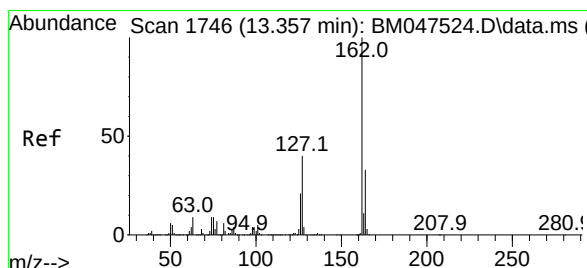
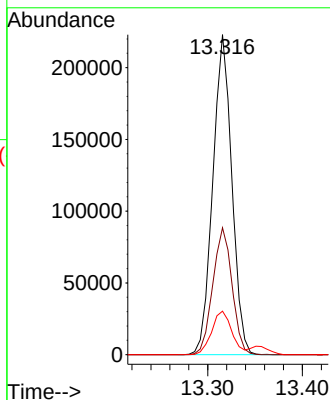
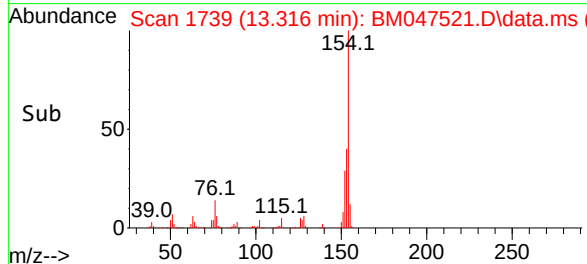
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



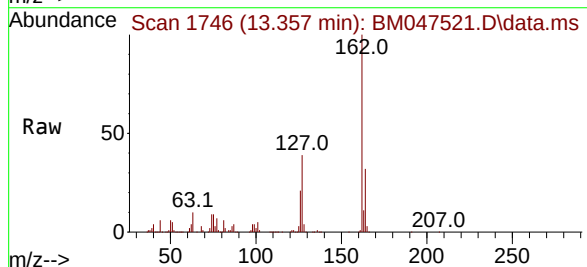
Tgt Ion:154 Resp: 311360
Ion Ratio Lower Upper
154 100
153 39.7 20.6 60.6
76 13.6 0.0 33.9

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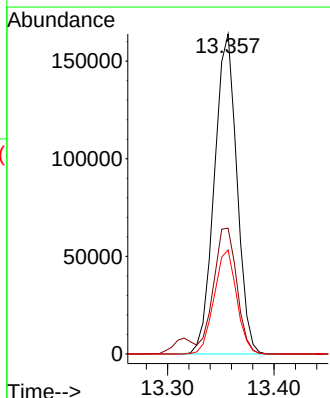
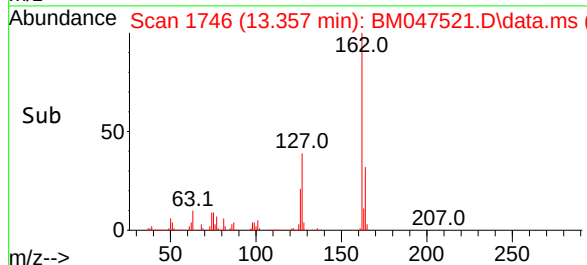
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

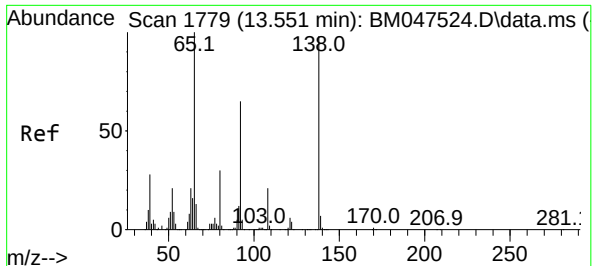


#47
2-Chloronaphthalene
Concen: 4.788 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



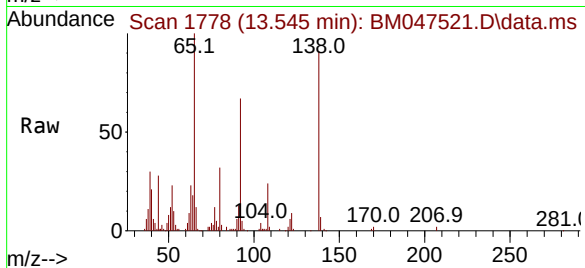
Tgt Ion:162 Resp: 240529
Ion Ratio Lower Upper
162 100
127 39.3 32.2 48.4
164 32.5 26.3 39.5





#48
2-Nitroaniline
Concen: 3.970 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

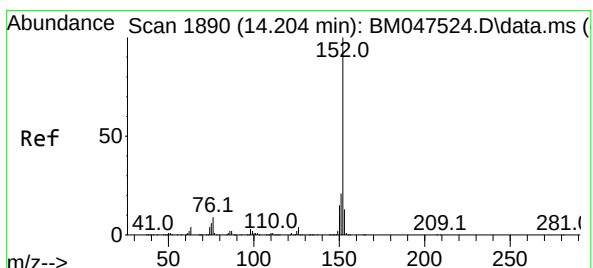
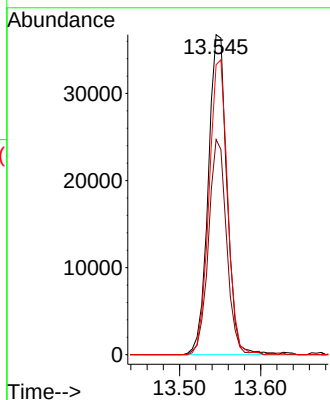
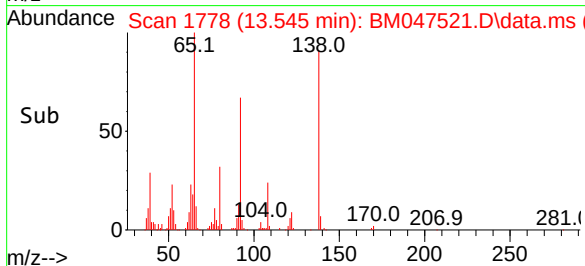
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 65 Resp: 58570
Ion Ratio Lower Upper
65 100
92 67.2 51.9 77.9
138 90.6 78.5 117.7

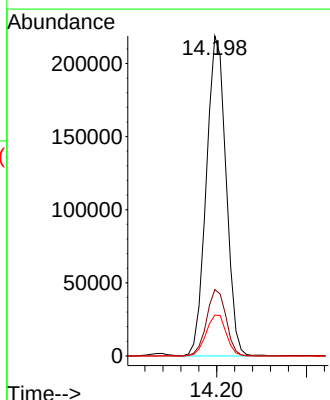
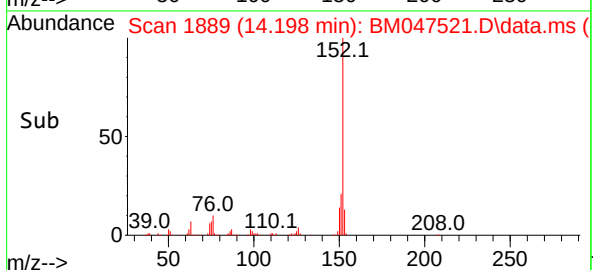
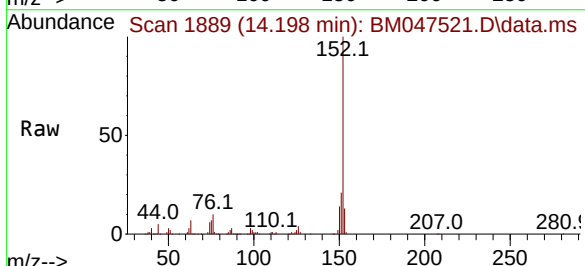
Manual Integrations
APPROVED

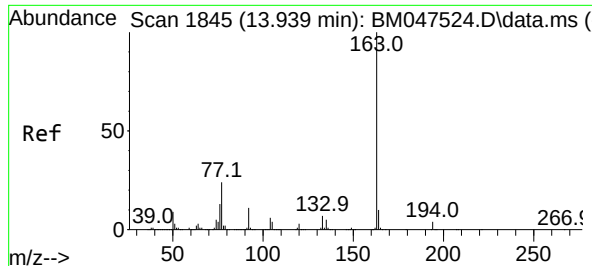
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

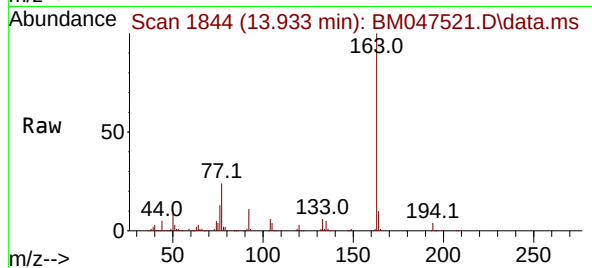
Tgt Ion:152 Resp: 333972
Ion Ratio Lower Upper
152 100
151 20.8 16.5 24.7
153 12.8 10.4 15.6





#50
Dimethylphthalate
Concen: 4.825 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

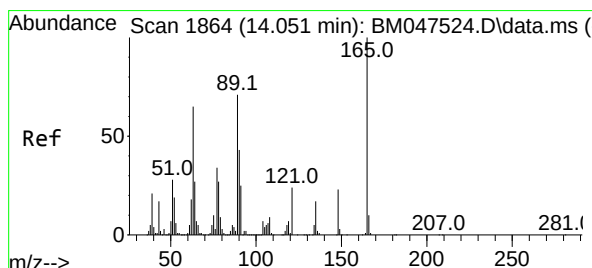
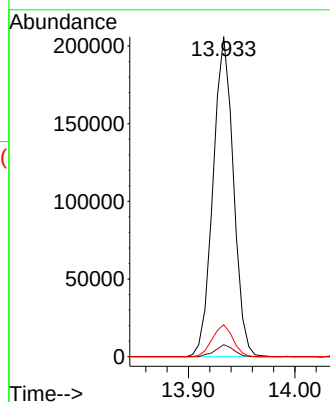
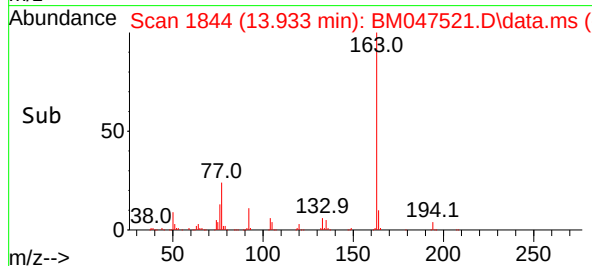
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:163 Resp: 273460
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.0 7.9 11.9

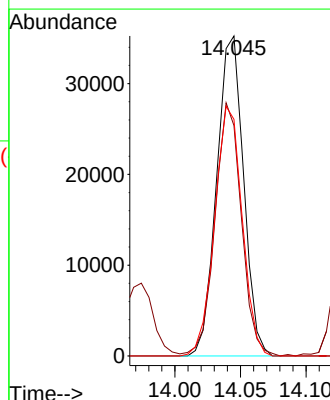
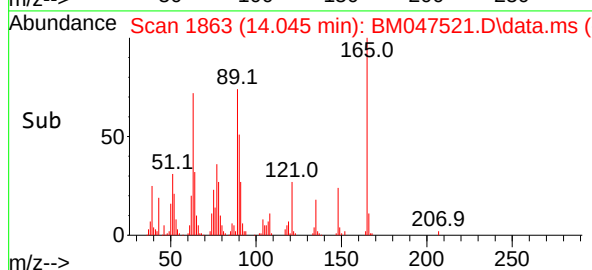
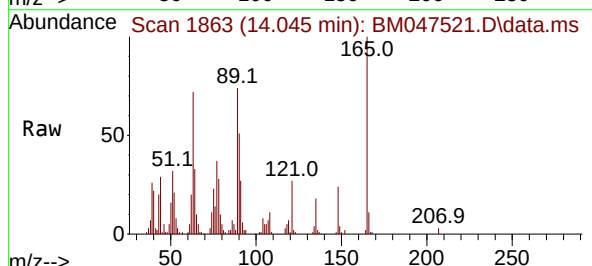
Manual Integrations
APPROVED

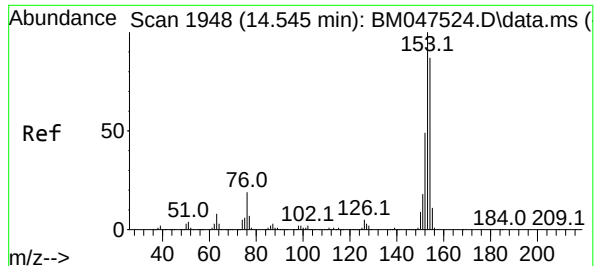
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

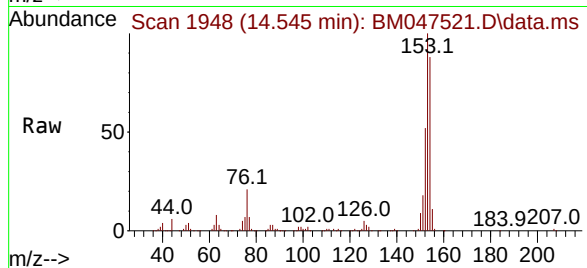
Tgt Ion:165 Resp: 50163
Ion Ratio Lower Upper
165 100
63 72.0 54.2 81.2
89 74.0 56.4 84.6





#52
Acenaphthene
Concen: 4.535 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

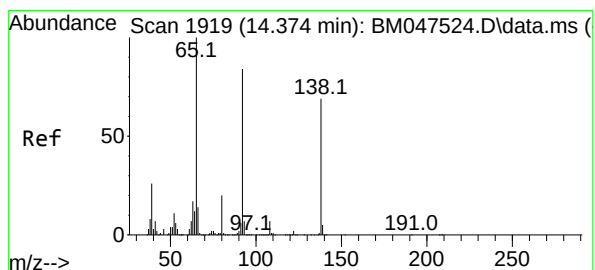
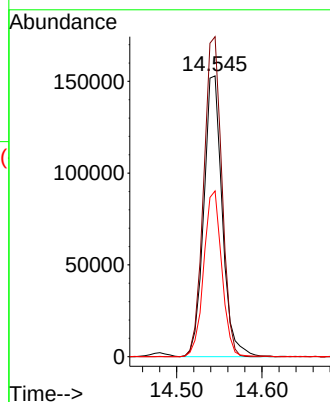
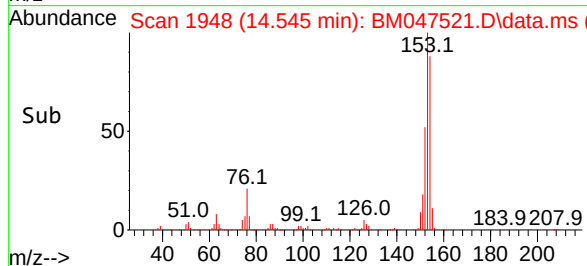
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 230339
Ion Ratio Lower Upper
154 100
153 113.9 92.2 138.2
152 59.0 45.4 68.0

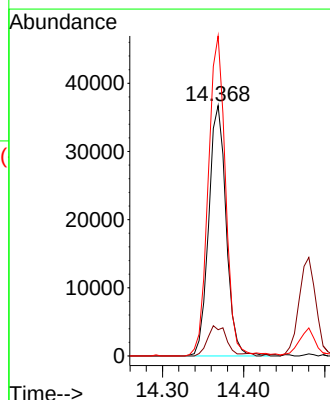
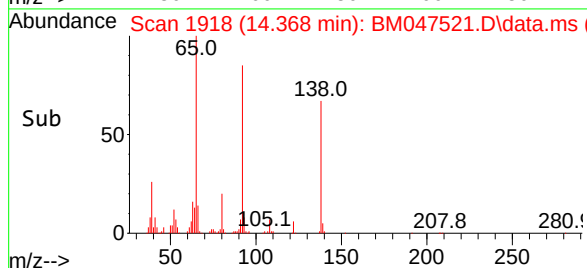
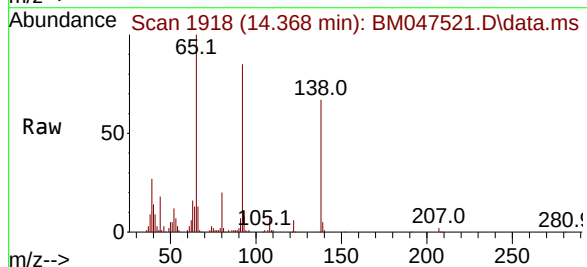
Manual Integrations
APPROVED

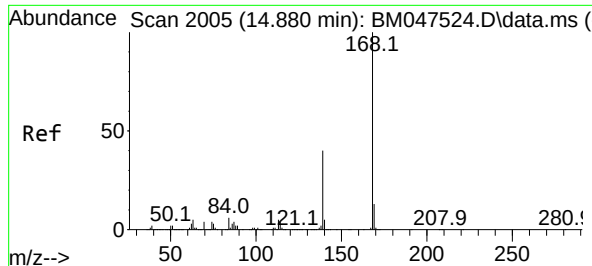
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

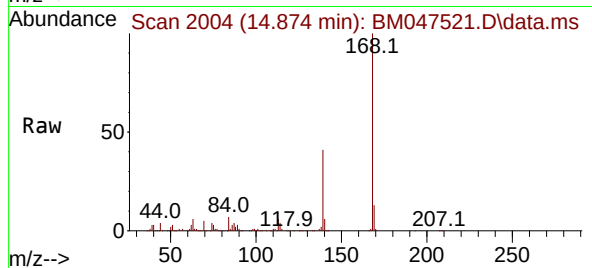
Tgt Ion:138 Resp: 54733
Ion Ratio Lower Upper
138 100
108 10.5 8.0 12.0
92 127.8 97.4 146.0





#55
Dibenzenofuran
Concen: 4.832 ng
RT: 14.874 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

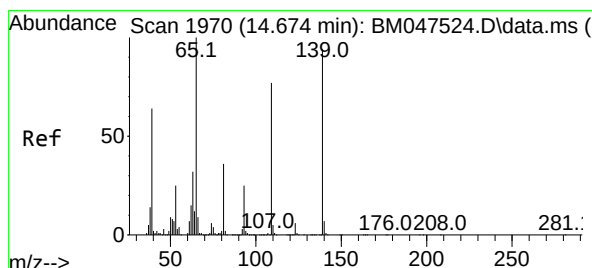
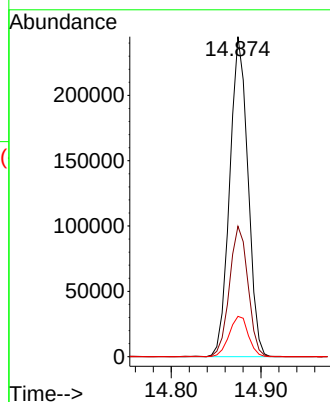
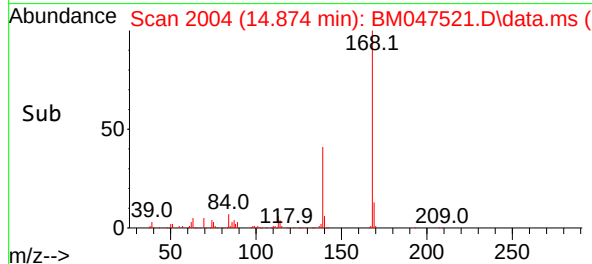
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



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

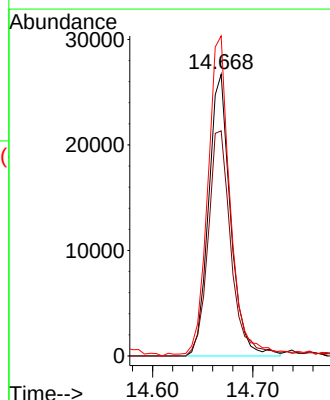
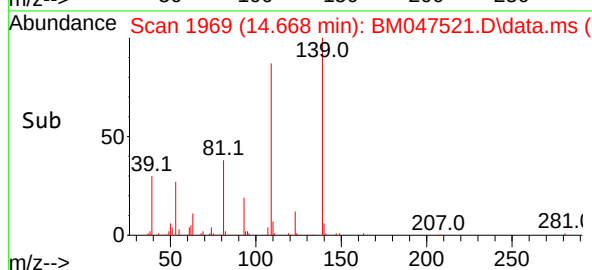
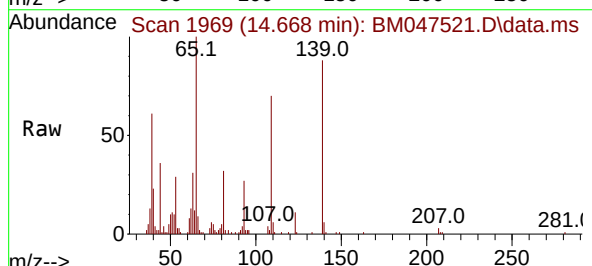
Manual Integrations
APPROVED

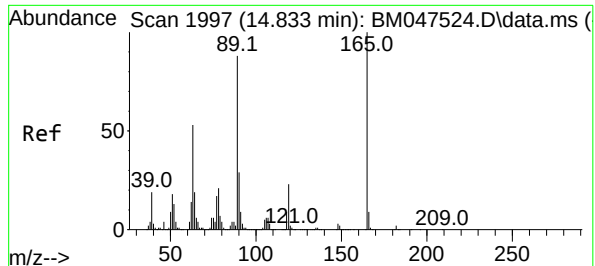
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

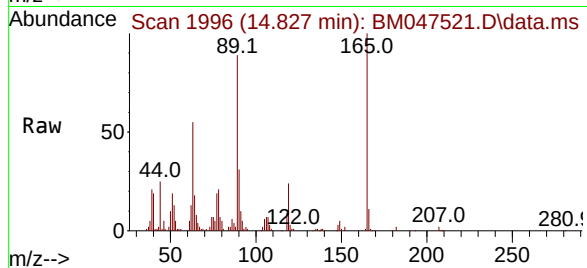
Tgt Ion:139 Resp: 40611
Ion Ratio Lower Upper
139 100
109 79.9 62.0 102.0
65 113.6 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 3.931 ng
RT: 14.827 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

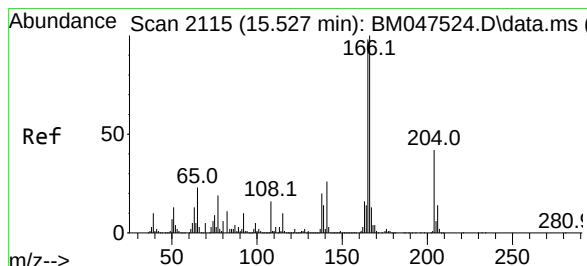
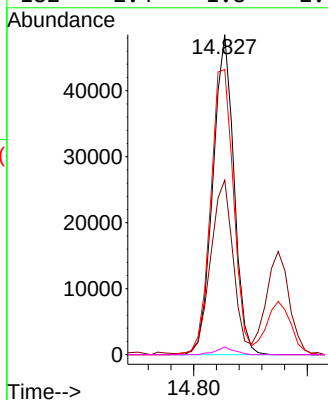
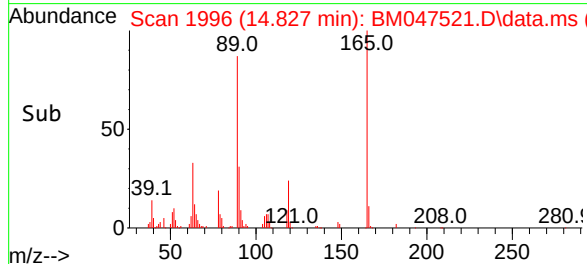
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:165 Resp: 62720
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

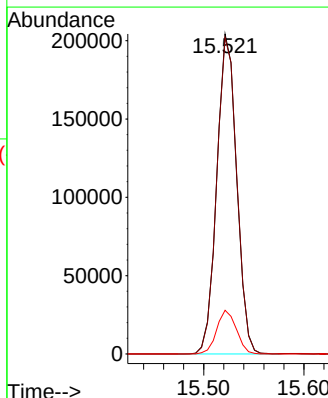
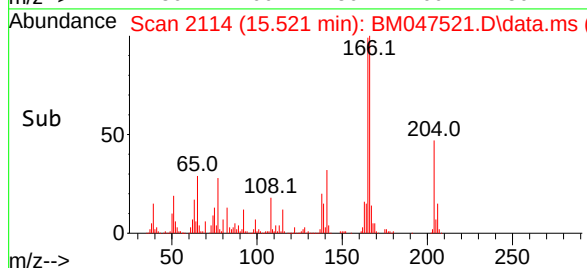
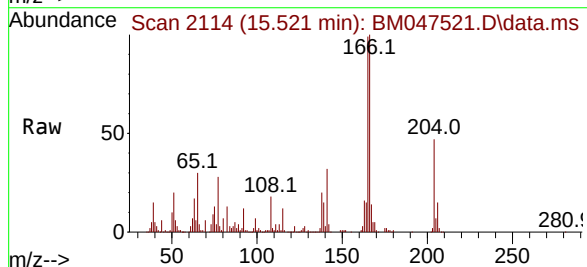
Manual Integrations
APPROVED

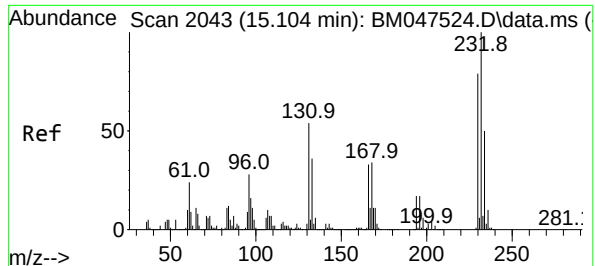
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 2042

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:232 Resp: 53810

Ion Ratio Lower Upper

232 100

131 57.3 47.0 70.4

130 3.1 2.6 3.8

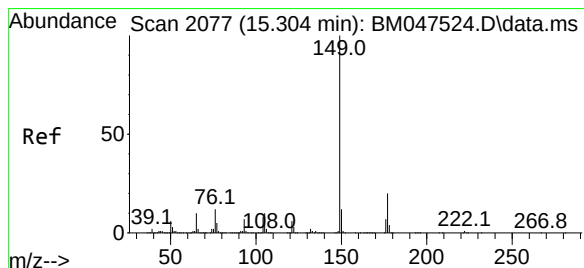
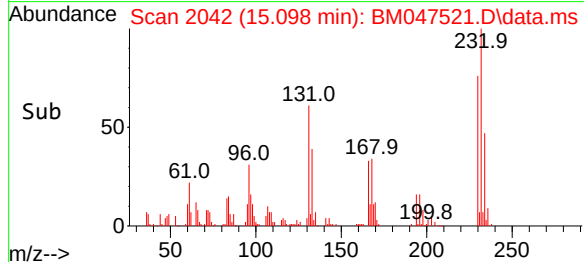
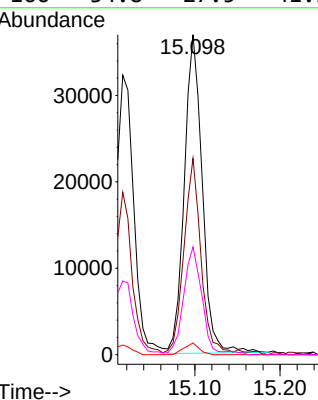
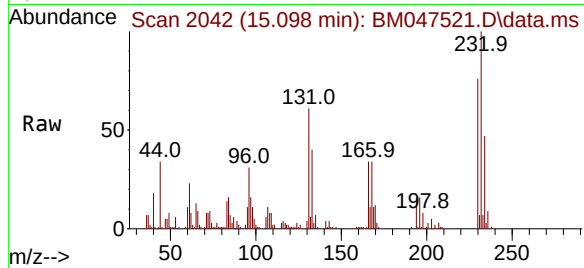
166 34.8 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

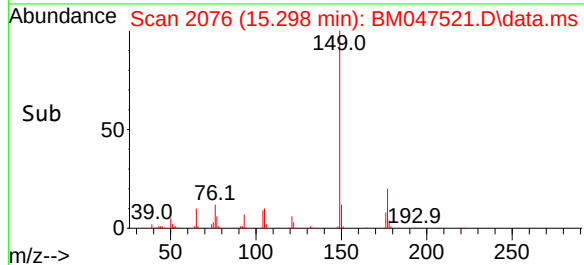
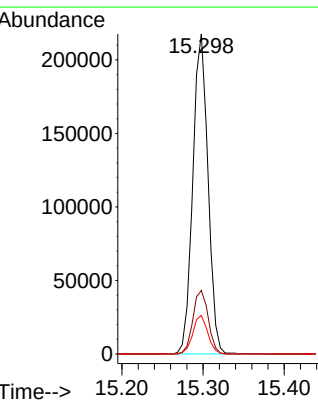
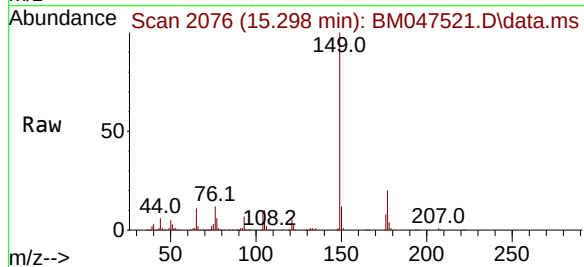
Tgt Ion:149 Resp: 282348

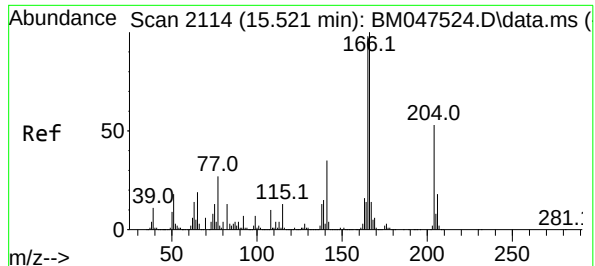
Ion Ratio Lower Upper

149 100

177 19.9 15.8 23.8

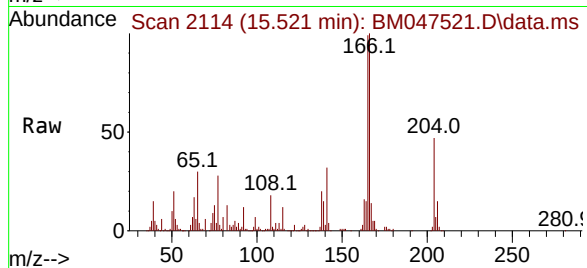
150 12.1 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 4.357 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

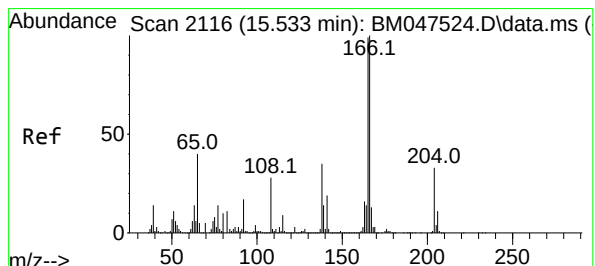
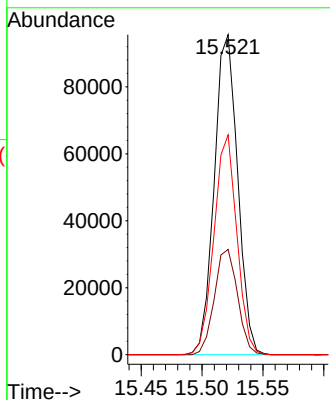
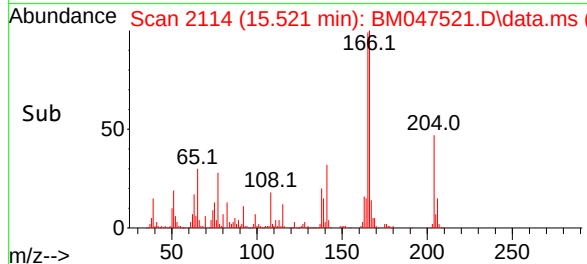
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



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

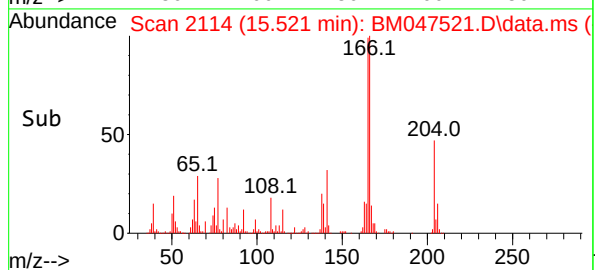
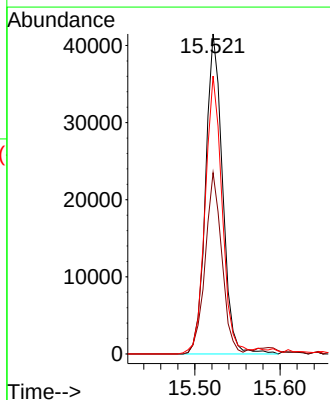
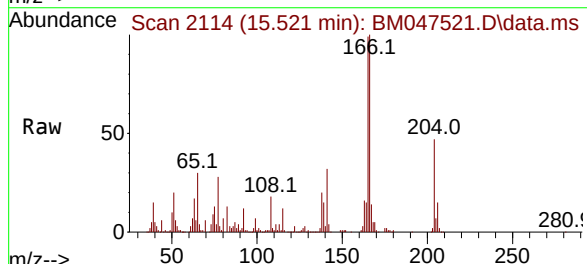
Manual Integrations
APPROVED

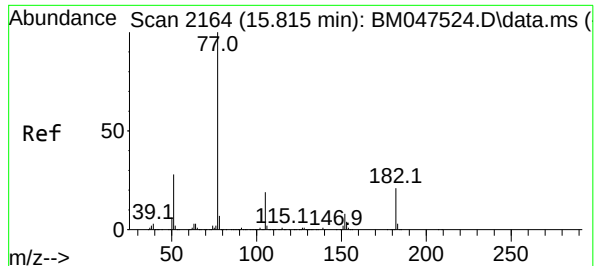
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

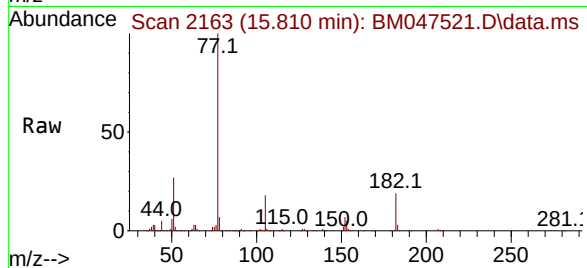
Tgt Ion:138 Resp: 57319
Ion Ratio Lower Upper
138 100
92 56.6 30.0 70.0
108 86.9 61.7 101.7





#63
Azobenzene
Concen: 4.777 ng
RT: 15.810 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

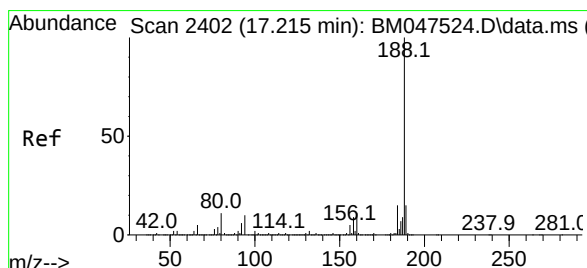
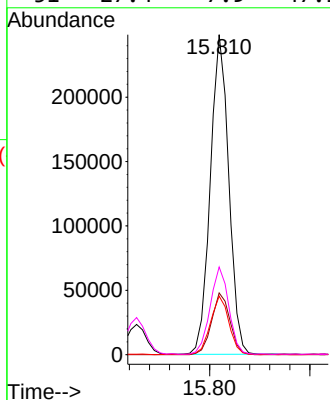
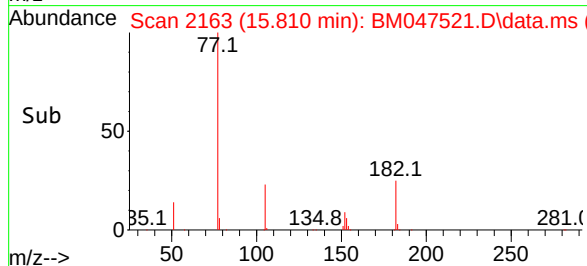
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 77 Resp: 317260
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

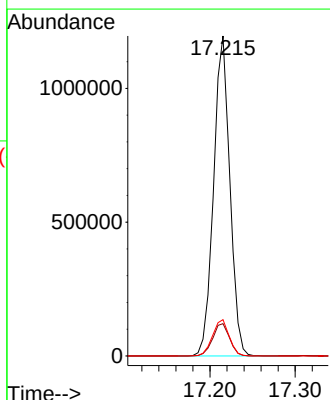
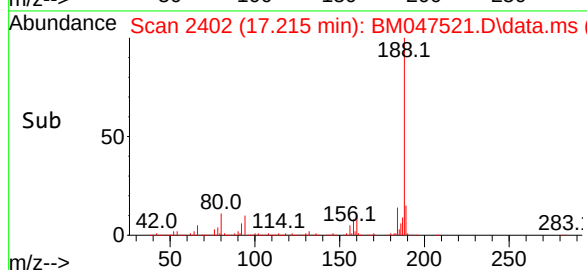
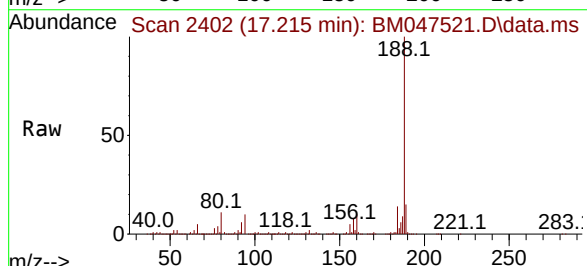
Manual Integrations
APPROVED

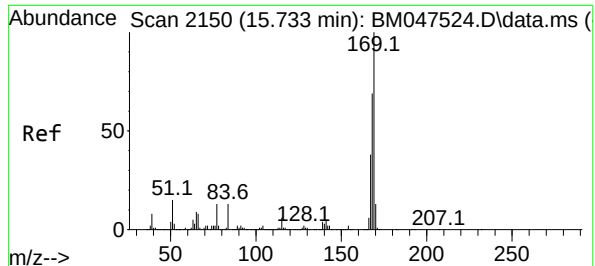
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

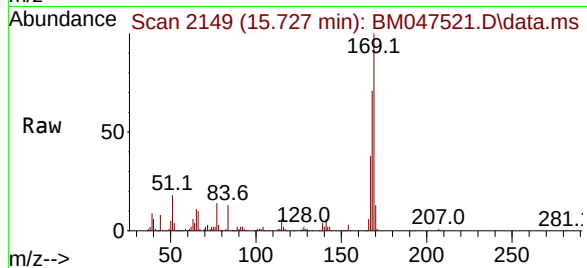
Tgt Ion:188 Resp: 1584025
Ion Ratio Lower Upper
188 100
94 10.1 8.4 12.6
80 11.3 9.1 13.7





#66
n-Nitrosodiphenylamine
Concen: 4.559 ng
RT: 15.727 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

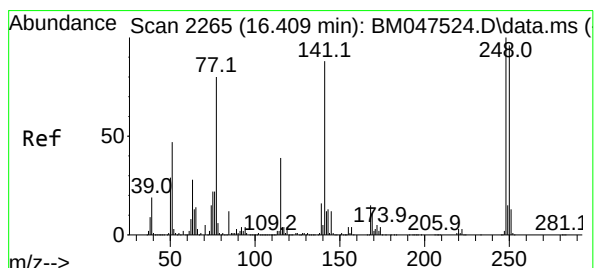
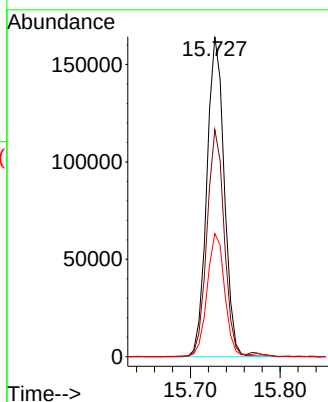
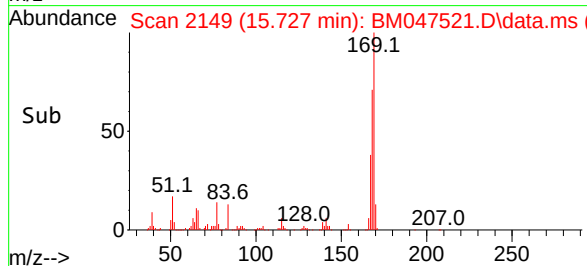
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



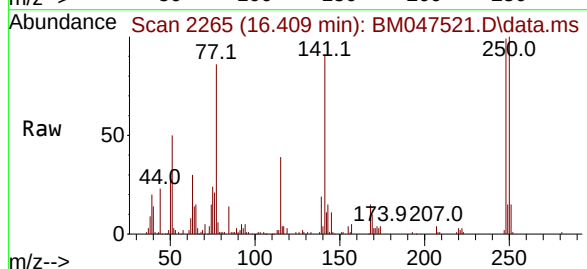
Tgt Ion:169 Resp: 22092
Ion Ratio Lower Upper
169 100
168 71.0 55.3 82.9
167 38.4 30.5 45.7

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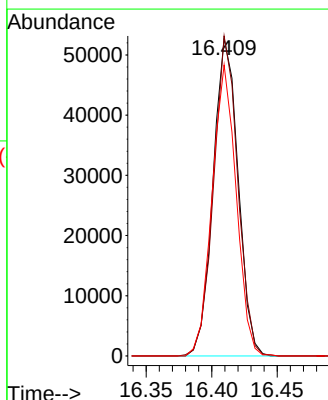
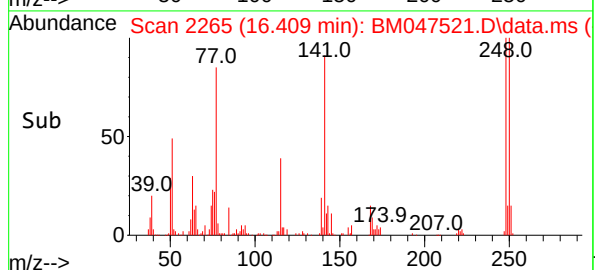
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

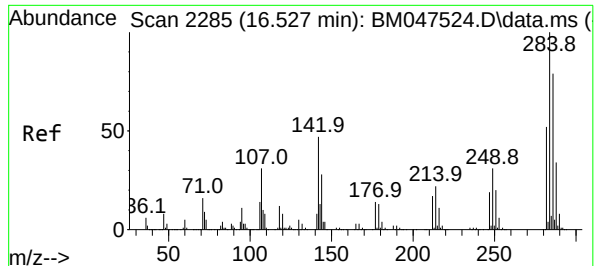


#67
4-Bromophenyl-phenylether
Concen: 4.538 ng
RT: 16.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



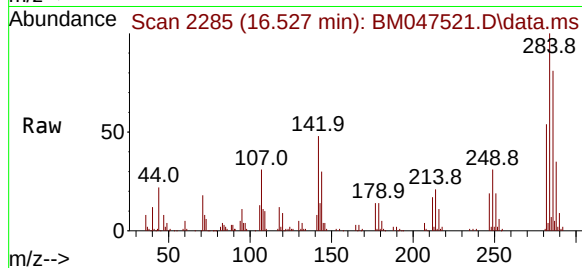
Tgt Ion:248 Resp: 69853
Ion Ratio Lower Upper
248 100
250 100.8 76.9 115.3
141 91.6 70.8 106.2





#68
Hexachlorobenzene
Concen: 4.761 ng
RT: 16.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

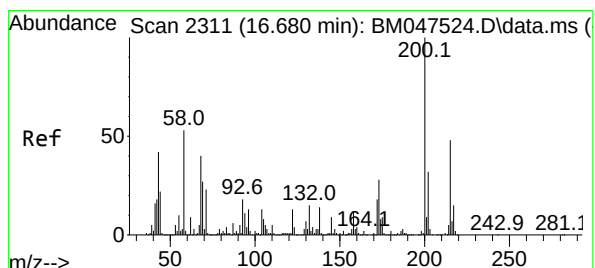
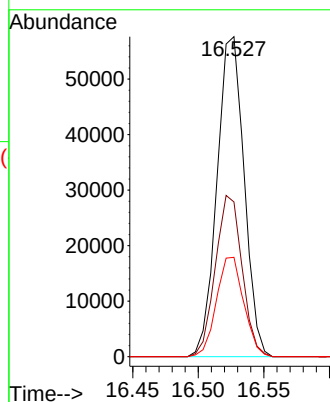
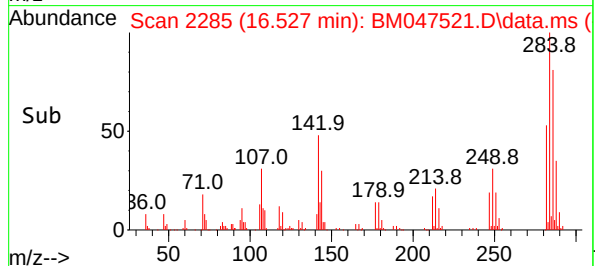
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



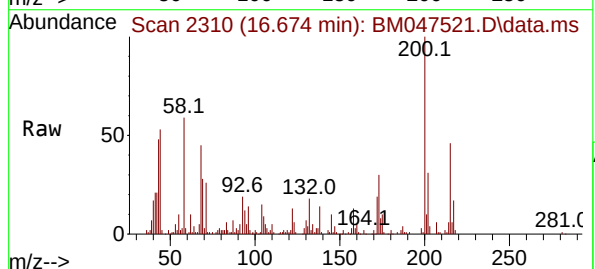
Tgt Ion:284 Resp: 8301
Ion Ratio Lower Upper
284 100
142 48.3 37.3 55.9
249 31.1 24.5 36.7

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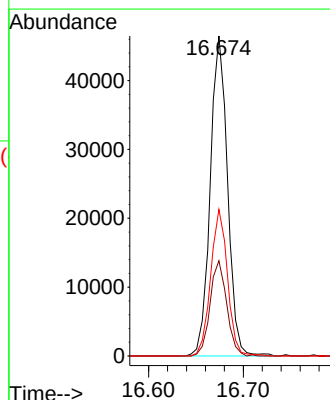
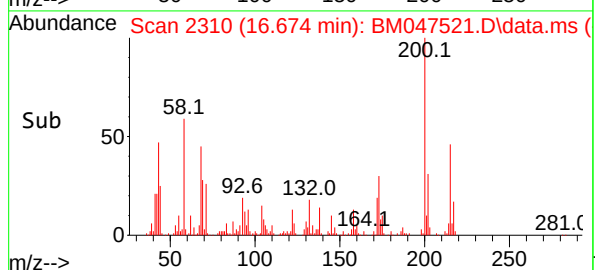
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

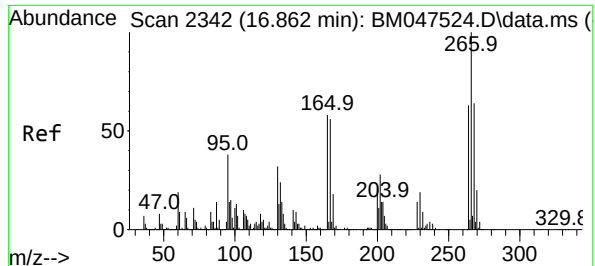


#69
Atrazine
Concen: 4.392 ng
RT: 16.674 min Scan# 2310
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36



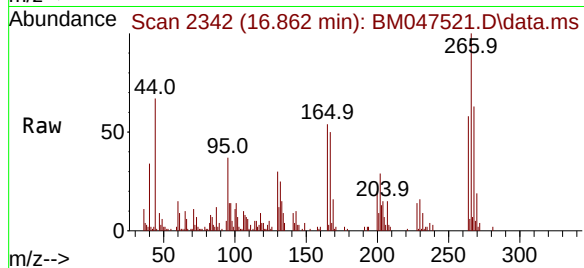
Tgt Ion:200 Resp: 58829
Ion Ratio Lower Upper
200 100
173 29.8 7.7 47.7
215 45.8 27.9 67.9





#70
Pentachlorophenol
Concen: 3.517 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

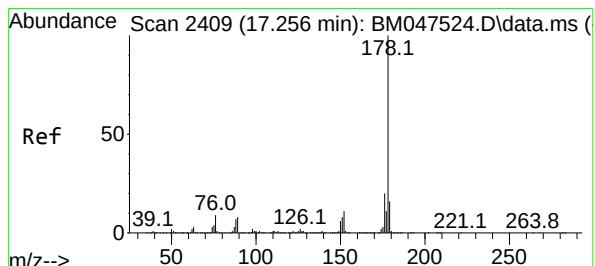
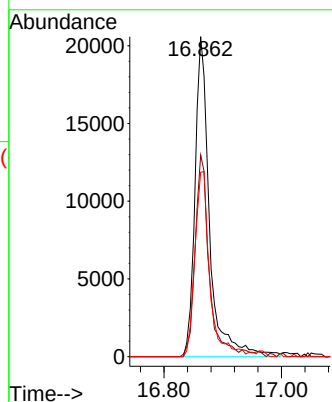
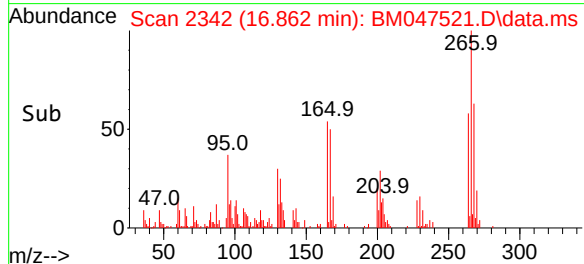
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:266 Resp: 35549
Ion Ratio Lower Upper
266 100
268 63.0 51.0 76.4
264 57.6 50.4 75.6

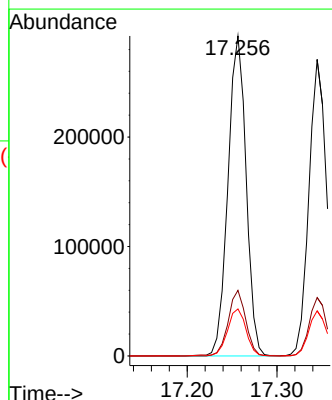
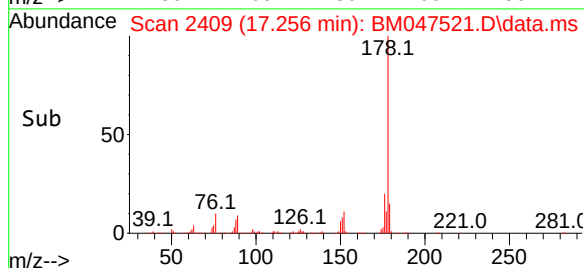
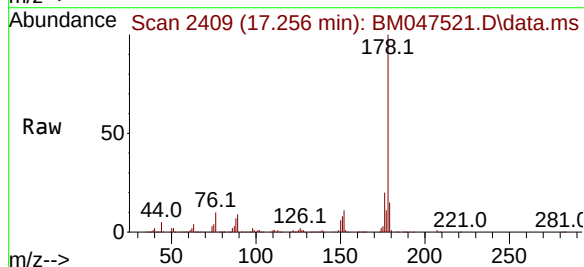
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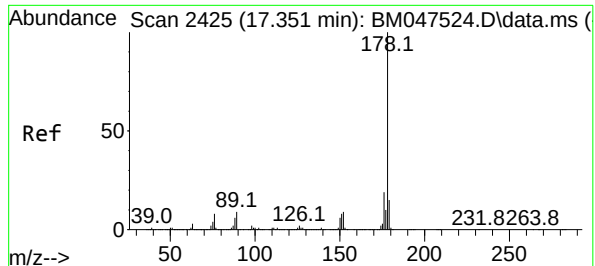
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





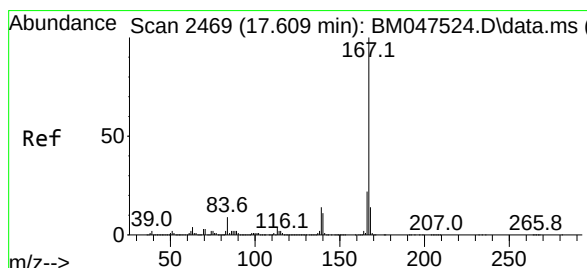
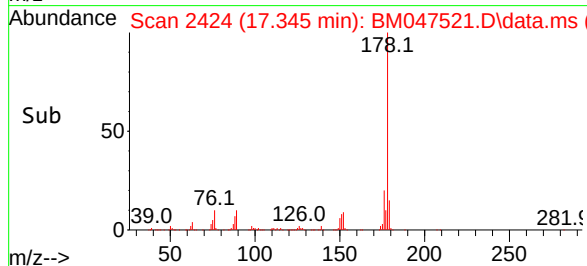
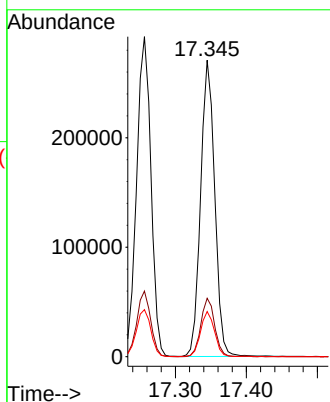
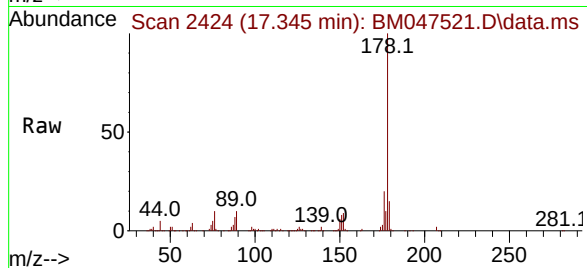
#72
 Anthracene
 Concen: 4.475 ng
 RT: 17.345 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM047521.D
 Acq: 14 Sep 2024 12:36

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tgt Ion:178 Resp: 375320
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.2 12.3 18.5

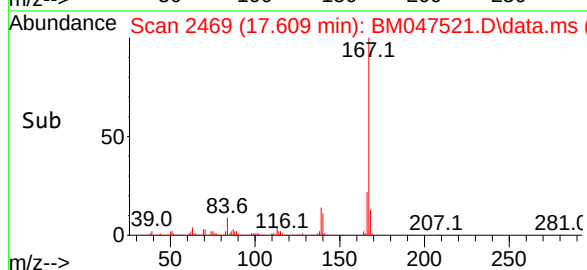
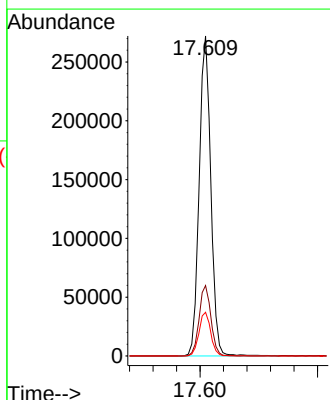
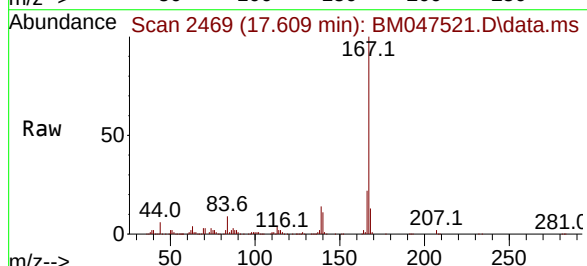
Manual Integrations
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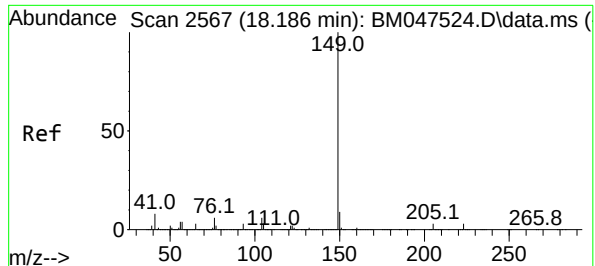
Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :mohammad ahmed 09/17/2024



#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

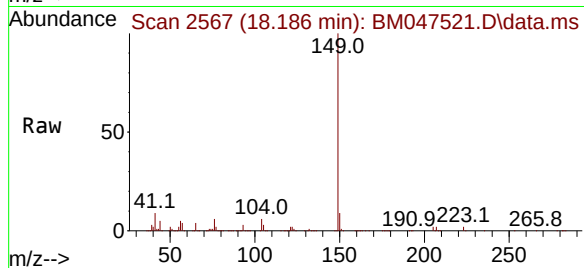
Tgt Ion:167 Resp: 373067
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.8
 139 13.6 11.0 16.6





#74
Di-n-butylphthalate
Concen: 4.237 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

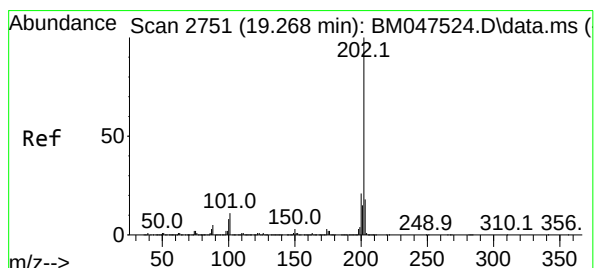
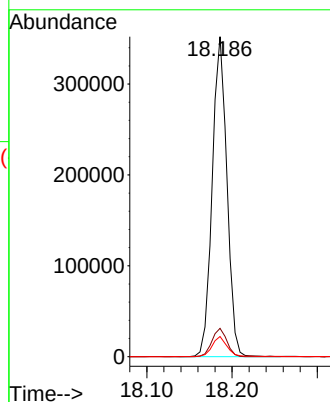
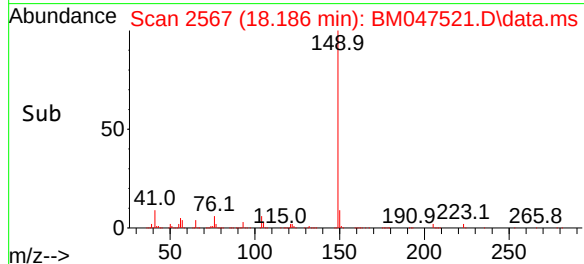
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



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

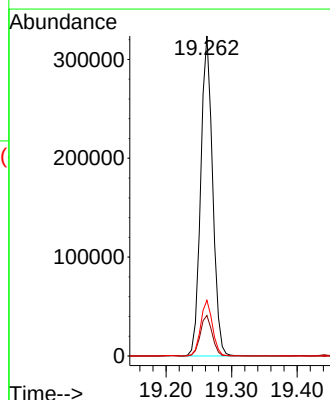
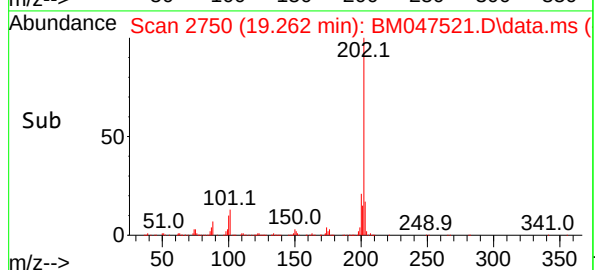
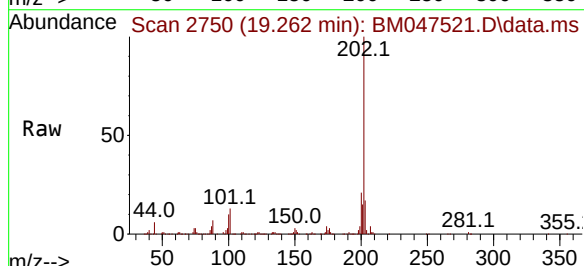
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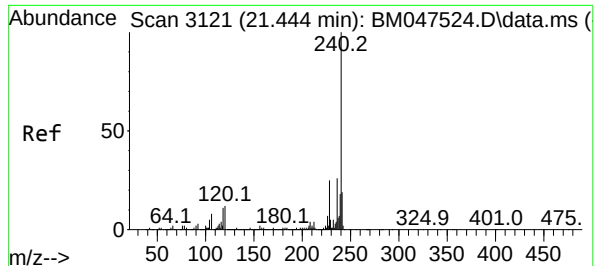
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 3121

Delta R.T. -0.005 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:240 Resp: 129693

Ion Ratio Lower Upper

240 100

120 12.9 9.6 14.4

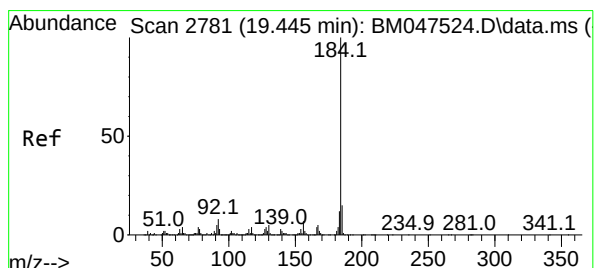
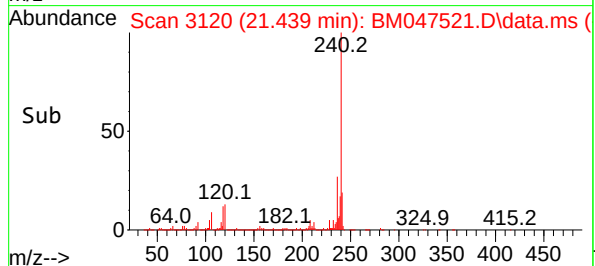
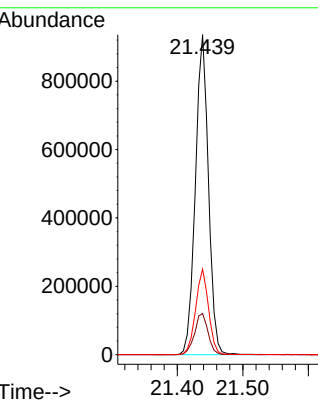
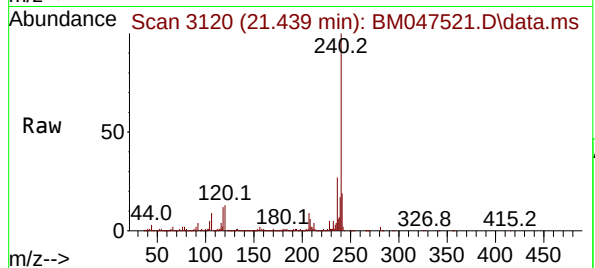
236 26.7 20.9 31.3

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

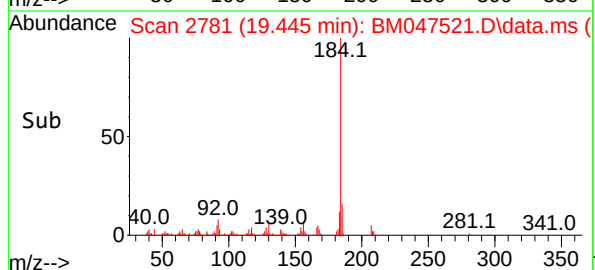
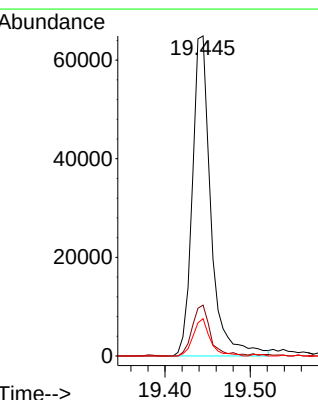
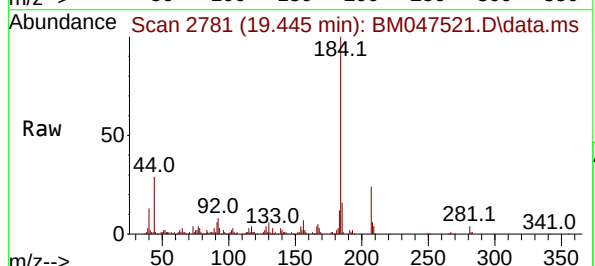
Tgt Ion:184 Resp: 98351

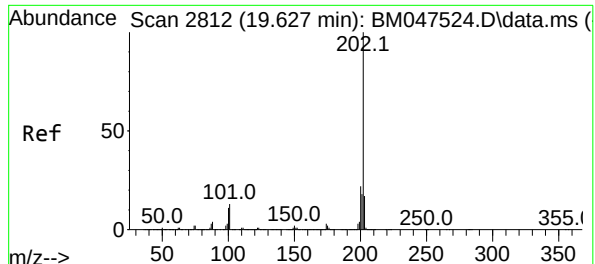
Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

183 11.7 9.6 14.4





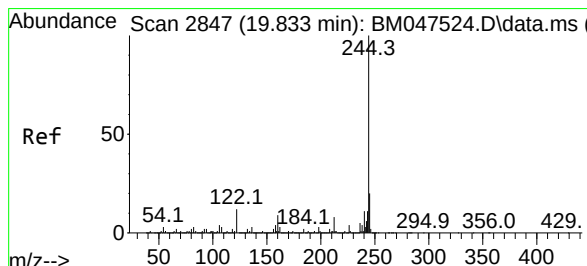
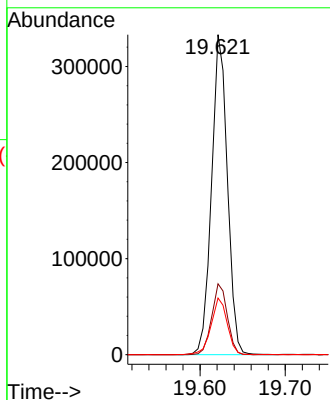
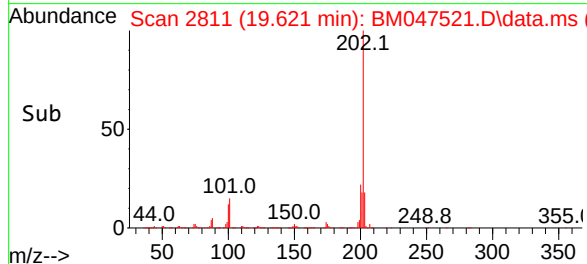
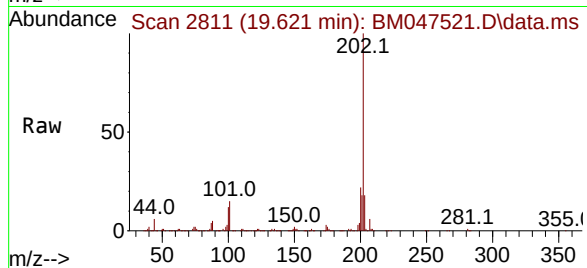
#78
Pyrene
Concen: 4.547 ng
RT: 19.621 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 430172
Ion Ratio Lower Upper
202 100
200 22.1 17.2 25.8
203 17.7 14.0 21.0

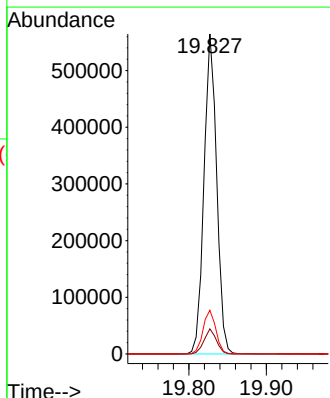
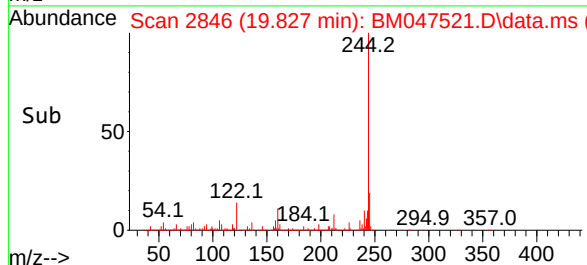
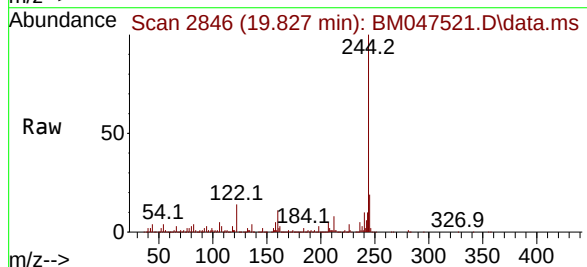
Manual Integrations
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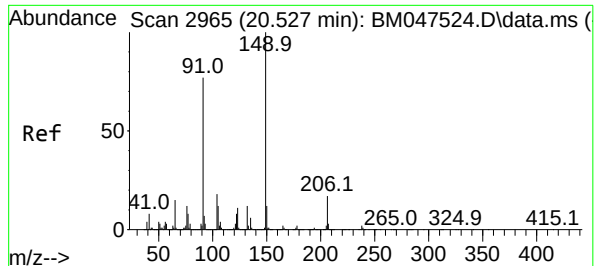
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

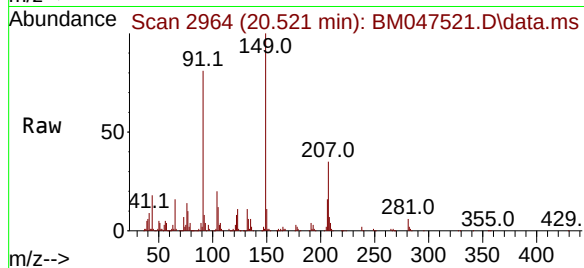
Tgt Ion:244 Resp: 641133
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 13.7 9.6 14.4





#80
Butylbenzylphthalate
Concen: 3.854 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

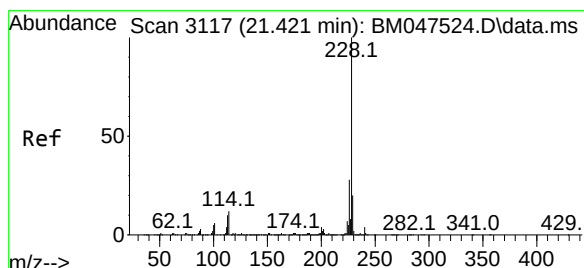
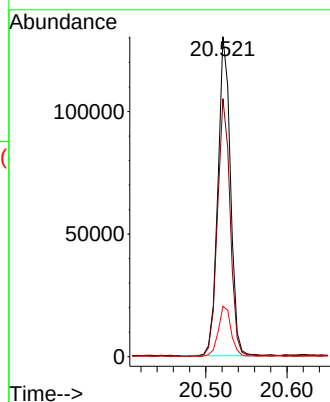
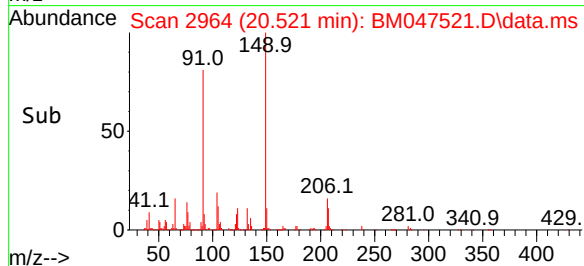
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 140365
Ion Ratio Lower Upper
149 100
91 80.6 62.0 93.0
206 15.8 13.8 20.8

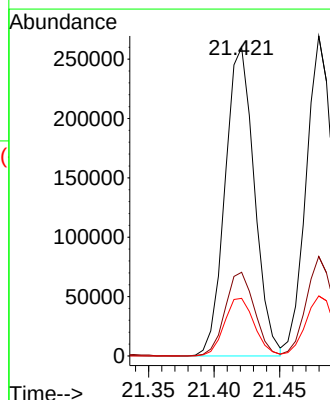
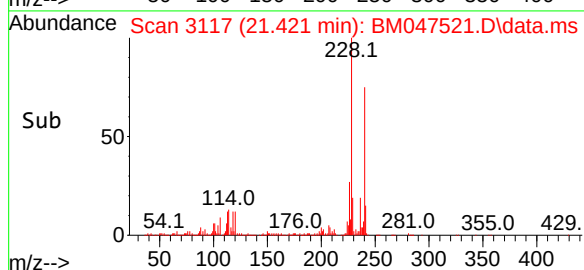
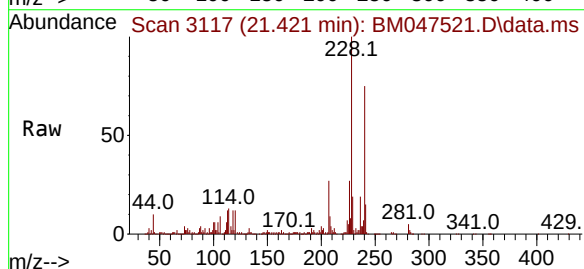
Manual Integrations
APPROVED

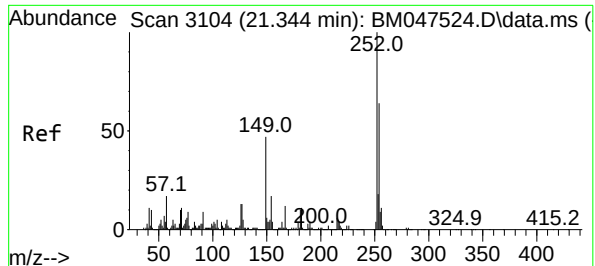
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 3103

Delta R.T. -0.006 min

Lab File: BM047521.D

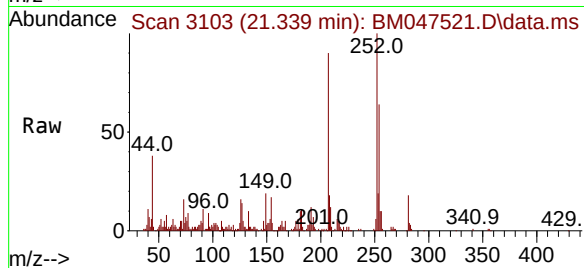
Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005



Tgt Ion:252 Resp: 9617

Ion Ratio Lower Upper

252 100

254 64.4 51.5 77.3

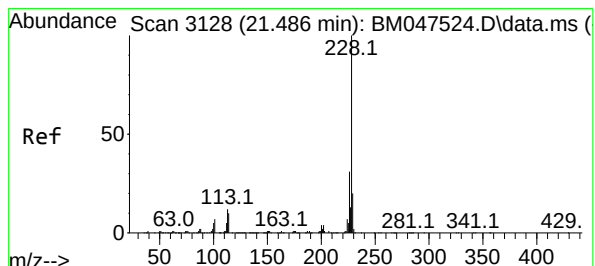
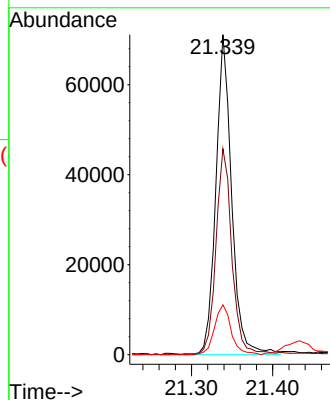
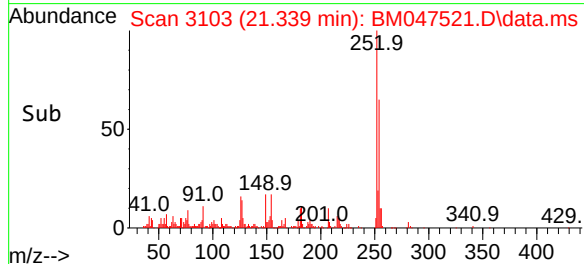
126 15.6 10.3 15.5

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#83

Chrysene

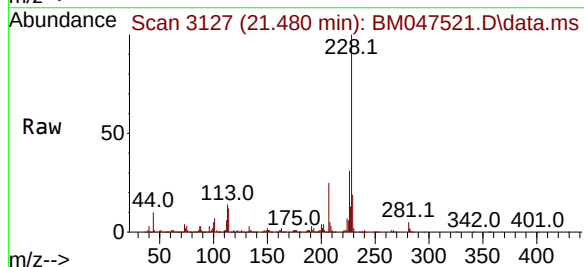
Concen: 4.851 ng

RT: 21.480 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36



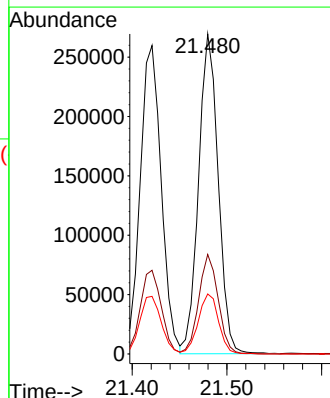
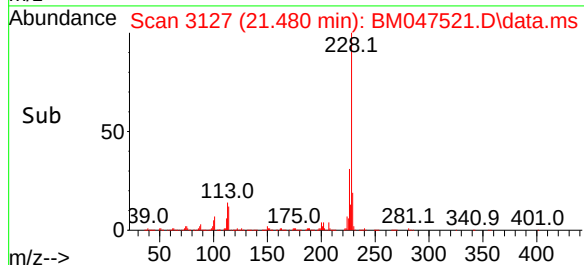
Tgt Ion:228 Resp: 387917

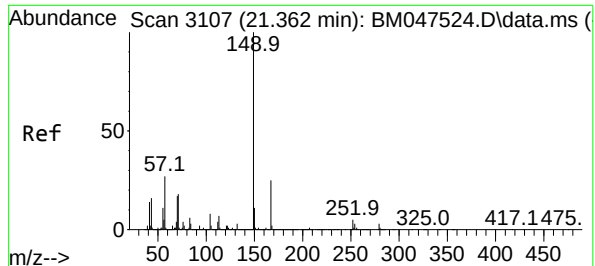
Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

229 18.8 15.9 23.9





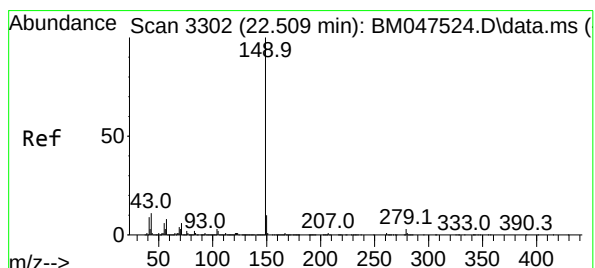
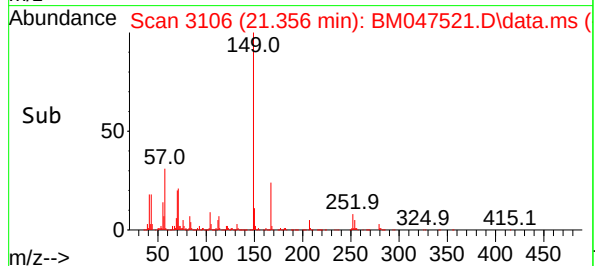
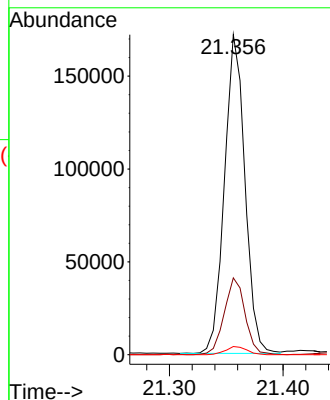
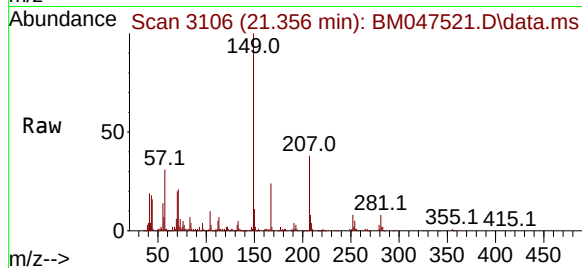
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.767 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 214900
Ion Ratio Lower Upper
149 100
167 24.0 20.2 30.4
279 2.5 2.6 4.0

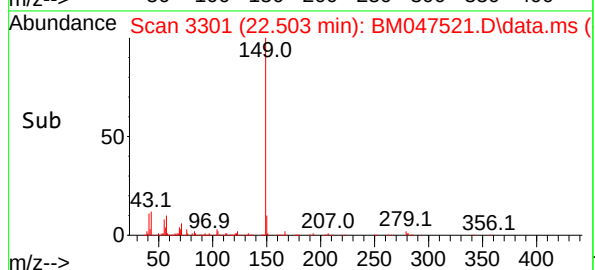
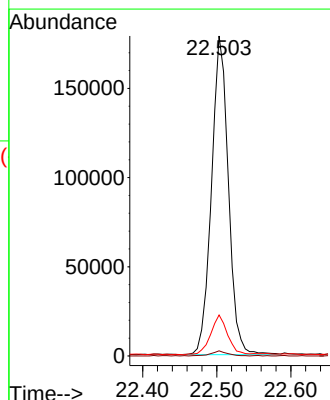
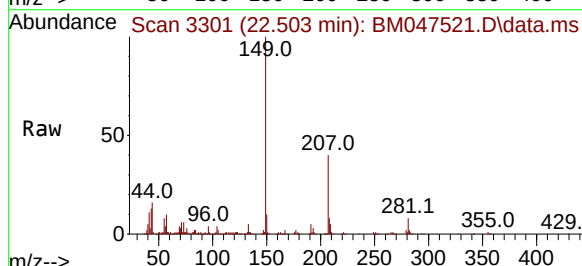
Manual Integrations
APPROVED

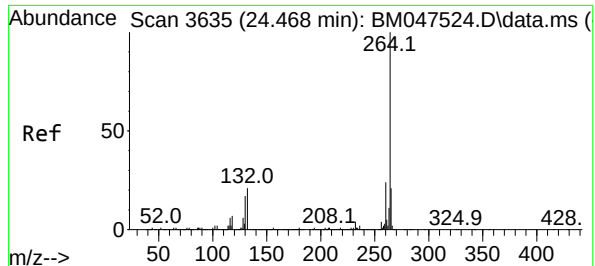
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

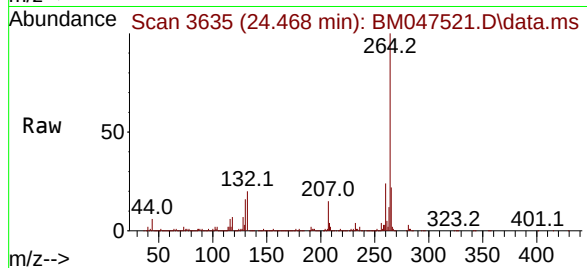
Tgt Ion:149 Resp: 282914
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 12.3 8.9 13.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

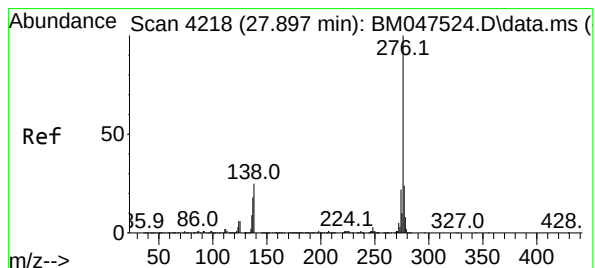
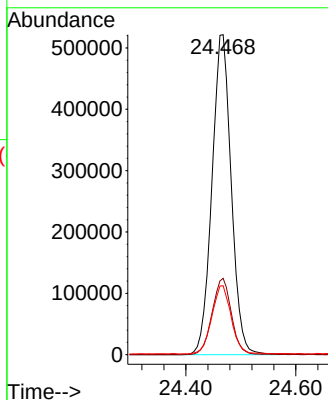
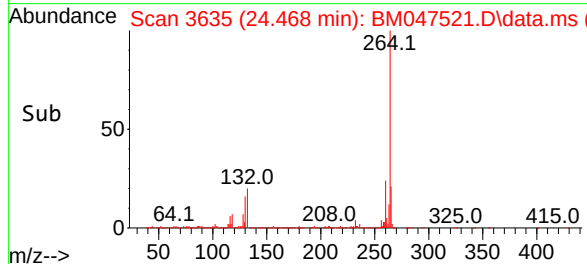
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:264 Resp: 1269114
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 21.6 17.4 26.2

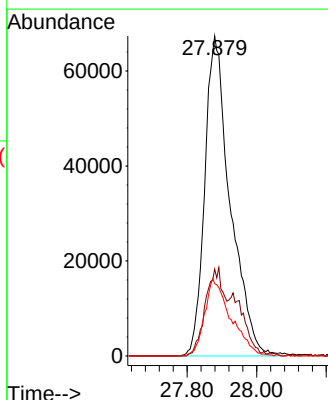
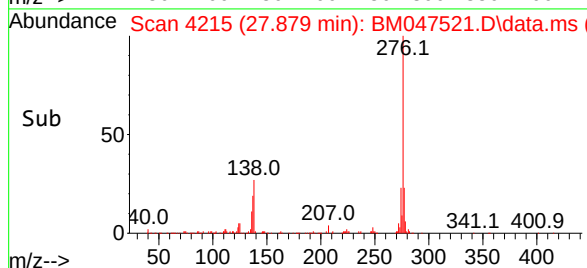
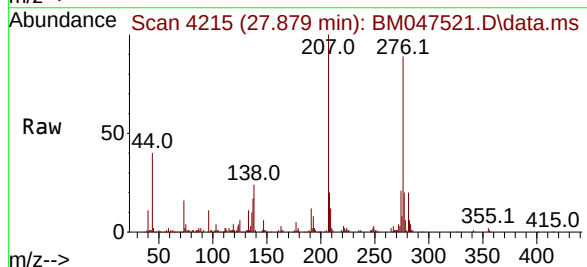
Manual Integrations
APPROVED

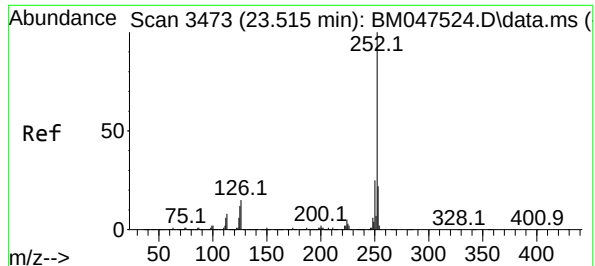
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 3472

Delta R.T. -0.006 min

Lab File: BM047521.D

Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:252 Resp: 355488

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

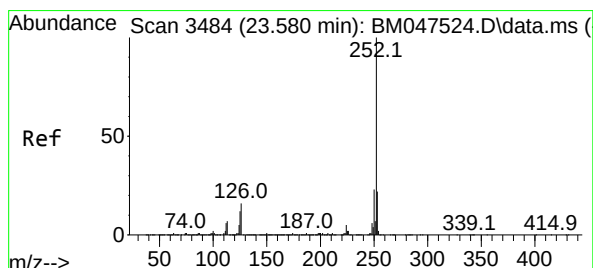
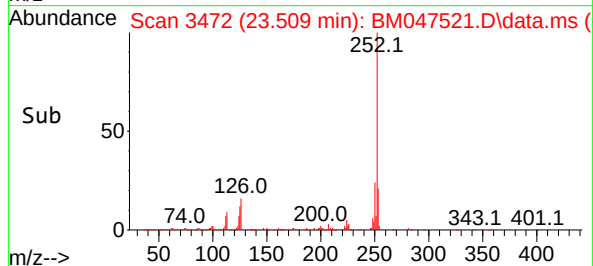
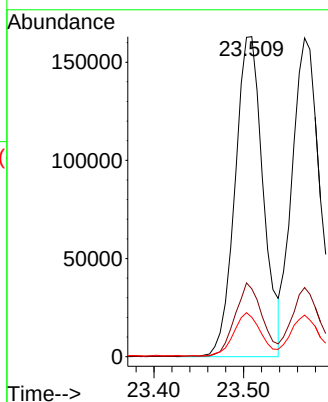
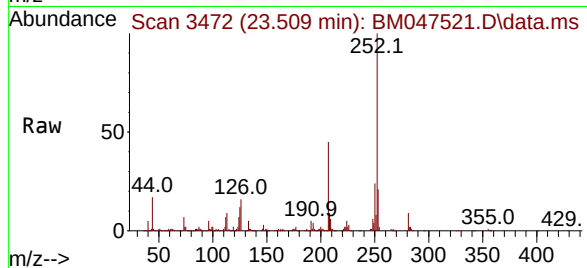
125 12.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

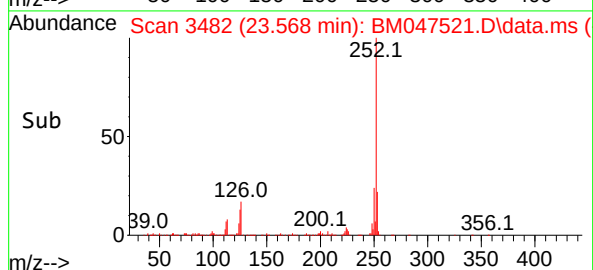
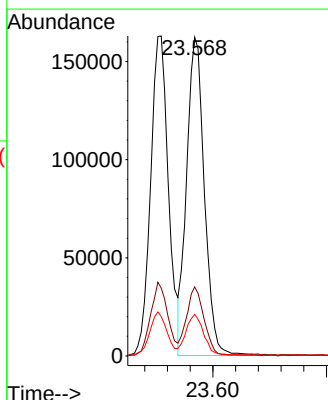
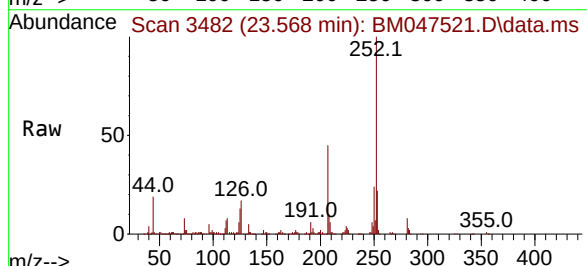
Tgt Ion:252 Resp: 353260

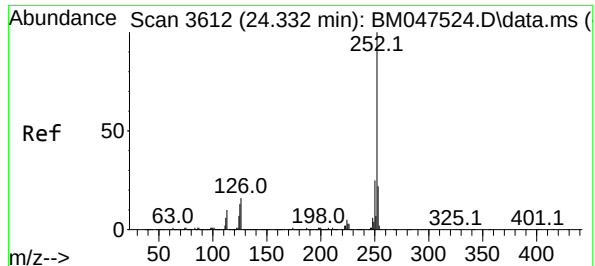
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 13.1 9.5 14.3





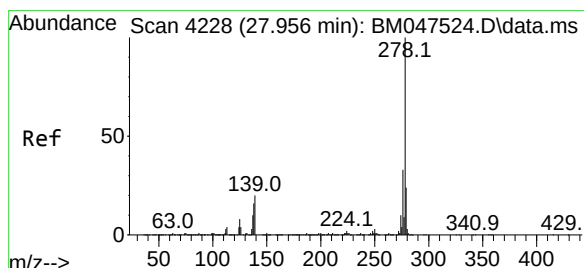
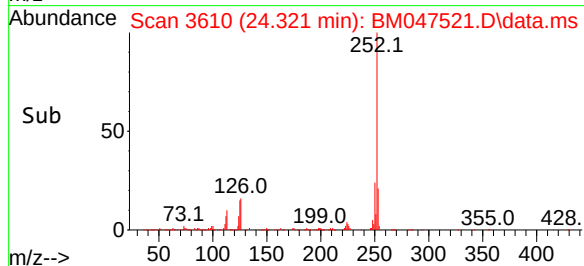
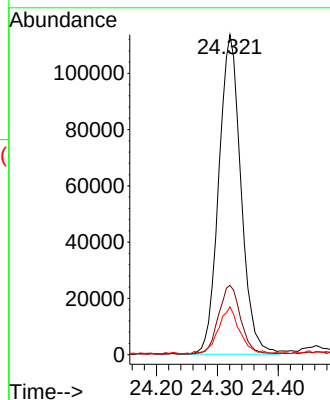
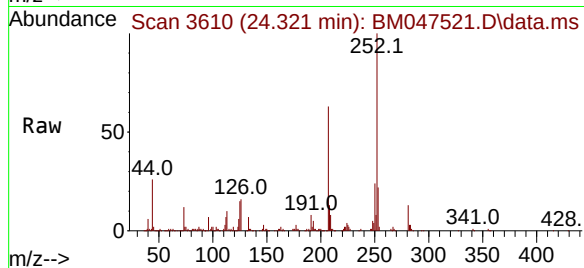
#90
Benzo(a)pyrene
Concen: 4.269 ng
RT: 24.321 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 287300
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 15.0 10.2 15.4

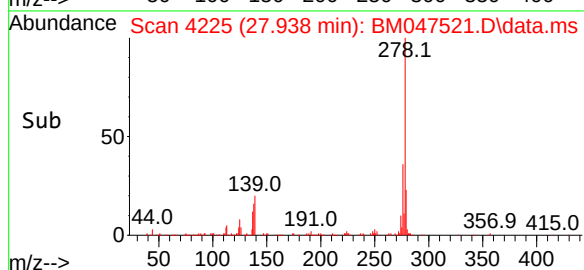
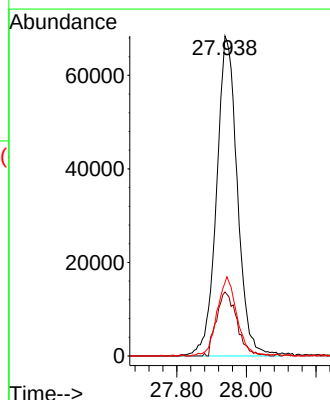
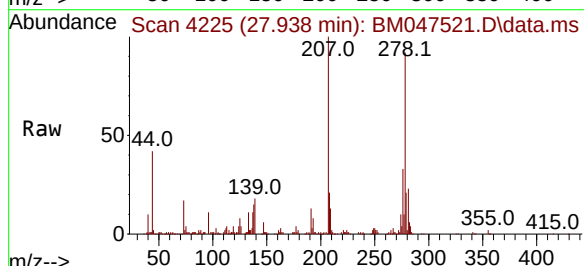
Manual Integrations
APPROVED

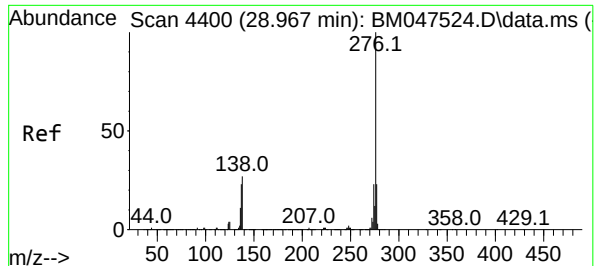
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

Tgt Ion:278 Resp: 283784
Ion Ratio Lower Upper
278 100
139 20.0 15.9 23.9
279 22.9 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 4.661 ng

RT: 28.938 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM047521.D

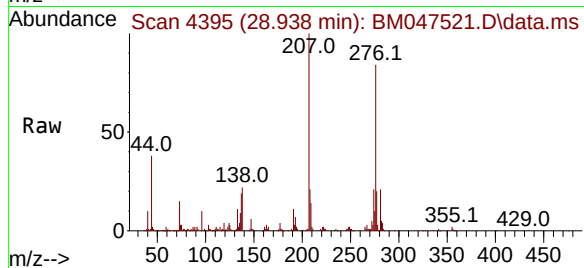
Acq: 14 Sep 2024 12:36

Instrument :

BNA_M

ClientSampleId :

SSTDICC005



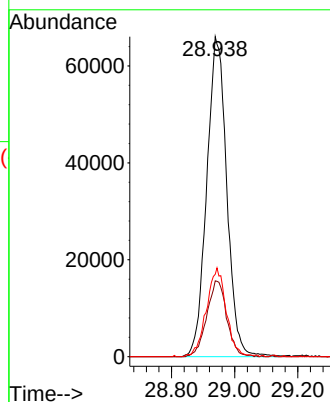
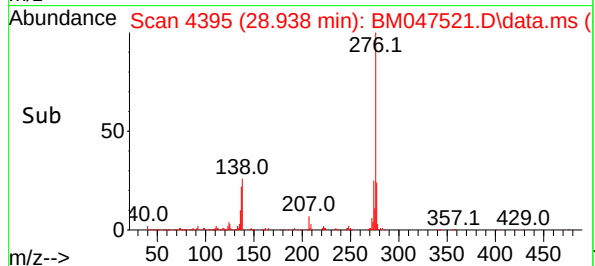
Tgt Ion:	276	Resp:	29092
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	25.8	21.5	32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



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

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:45:40 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:43:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	315787	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1384605	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	841449	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1630578	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1372489	20.000	ng	0.00
86) Perylene-d12	24.468	264	1311119	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	381501	19.236	ng	0.00
7) Phenol-d6	7.004	99	512647	18.354	ng	0.00
23) Nitrobenzene-d5	8.998	82	532043	19.231	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	134095	16.487	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	1089419	17.835	ng	0.00
79) Terphenyl-d14	19.827	244	1423577	18.586	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	88309	10.396	ng	97
3) Pyridine	3.716	79	251409	9.945	ng	98
4) n-Nitrosodimethylamine	3.628	42	115291	10.049	ng	# 96
6) Aniline	7.169	93	241475	9.752	ng	99
8) 2-Chlorophenol	7.410	128	208605	9.541	ng	97
9) Benzaldehyde	6.987	77	155621m	11.718	ng	
10) Phenol	7.034	94	265092	9.479	ng	99
11) bis(2-Chloroethyl)ether	7.269	93	223062	9.935	ng	99
12) 1,3-Dichlorobenzene	7.740	146	238748	9.976	ng	99
13) 1,4-Dichlorobenzene	7.887	146	242297	9.940	ng	98
14) 1,2-Dichlorobenzene	8.204	146	235510	9.818	ng	99
15) Benzyl Alcohol	8.081	79	173167	9.153	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.381	45	320677	10.153	ng	98
17) 2-Methylphenol	8.287	107	169473	9.486	ng	97
18) Hexachloroethane	8.934	117	95755	9.834	ng	99
19) n-Nitroso-di-n-propyla...	8.651	70	182215	9.676	ng	99
20) 3+4-Methylphenols	8.610	107	235709	9.455	ng	99
22) Acetophenone	8.663	105	352718	9.690	ng	98
24) Nitrobenzene	9.039	77	281172	9.890	ng	97
25) Isophorone	9.575	82	470185	9.667	ng	99
26) 2-Nitrophenol	9.757	139	80470	8.306	ng	97
27) 2,4-Dimethylphenol	9.816	122	140049	9.537	ng	99
28) bis(2-Chloroethoxy)met...	10.051	93	301673	9.874	ng	97
29) 2,4-Dichlorophenol	10.286	162	168270	9.019	ng	95
30) 1,2,4-Trichlorobenzene	10.510	180	204663	9.576	ng	99
31) Naphthalene	10.698	128	721252	9.645	ng	100
32) Benzoic acid	9.881	122	86588m	11.758	ng	
33) 4-Chloroaniline	10.798	127	258393	9.557	ng	98
34) Hexachlorobutadiene	10.992	225	114671	9.687	ng	97
35) Caprolactam	11.545	113	54845m	8.924	ng	
36) 4-Chloro-3-methylphenol	11.916	107	196835	9.206	ng	100
37) 2-Methylnaphthalene	12.304	142	465005	9.343	ng	99
38) 1-Methylnaphthalene	12.527	142	464087	9.383	ng	100
40) 1,2,4,5-Tetrachloroben...	12.675	216	206736	9.080	ng	99
41) Hexachlorocyclopentadiene	12.663	237	68457	9.197	ng	98
43) 2,4,6-Trichlorophenol	12.910	196	126475	8.866	ng	96

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

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:45:40 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:43:20 2024

Response via : Initial Calibration

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

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

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

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

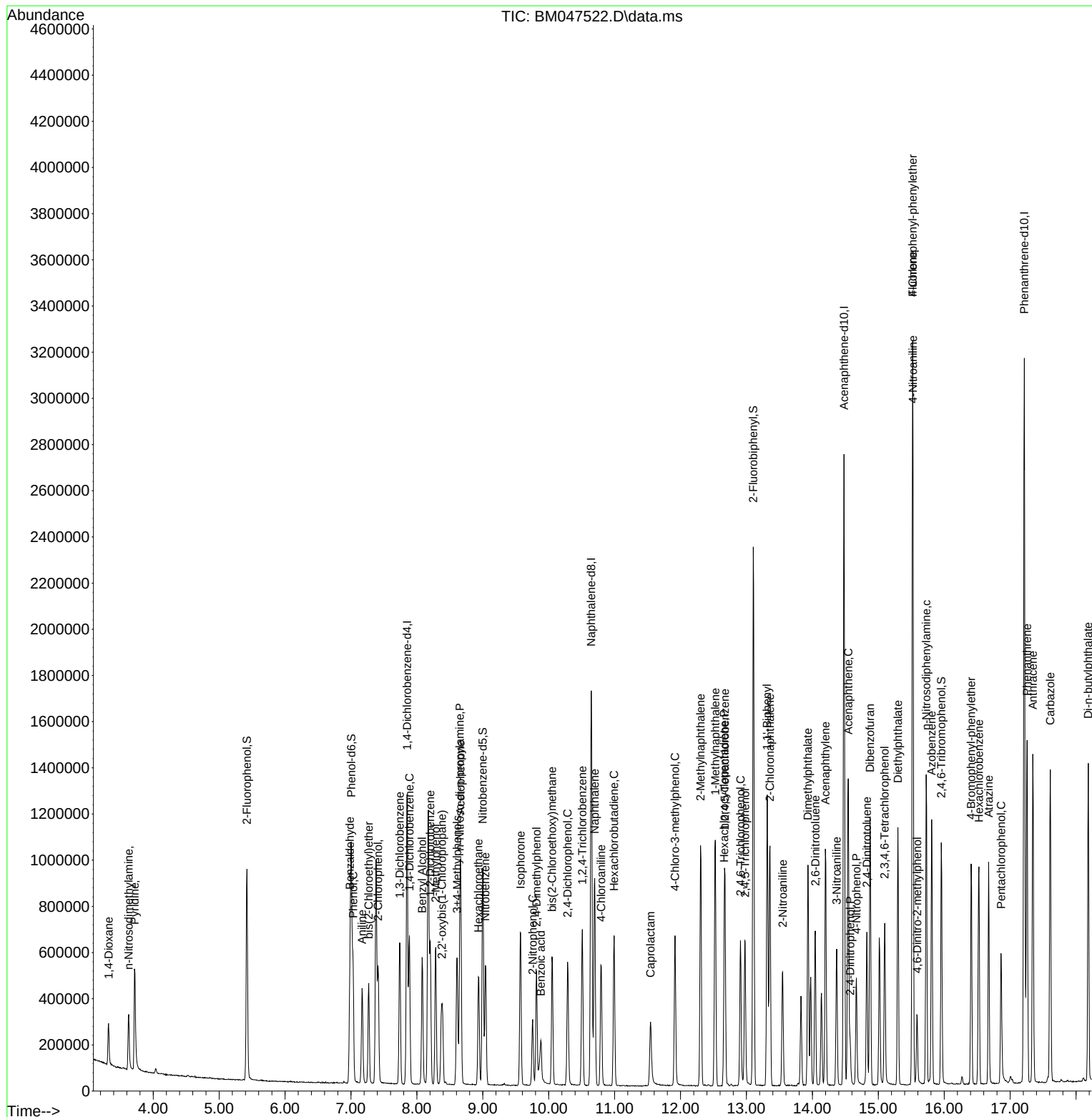
Quant Time: Sep 15 08:45:40 2024

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



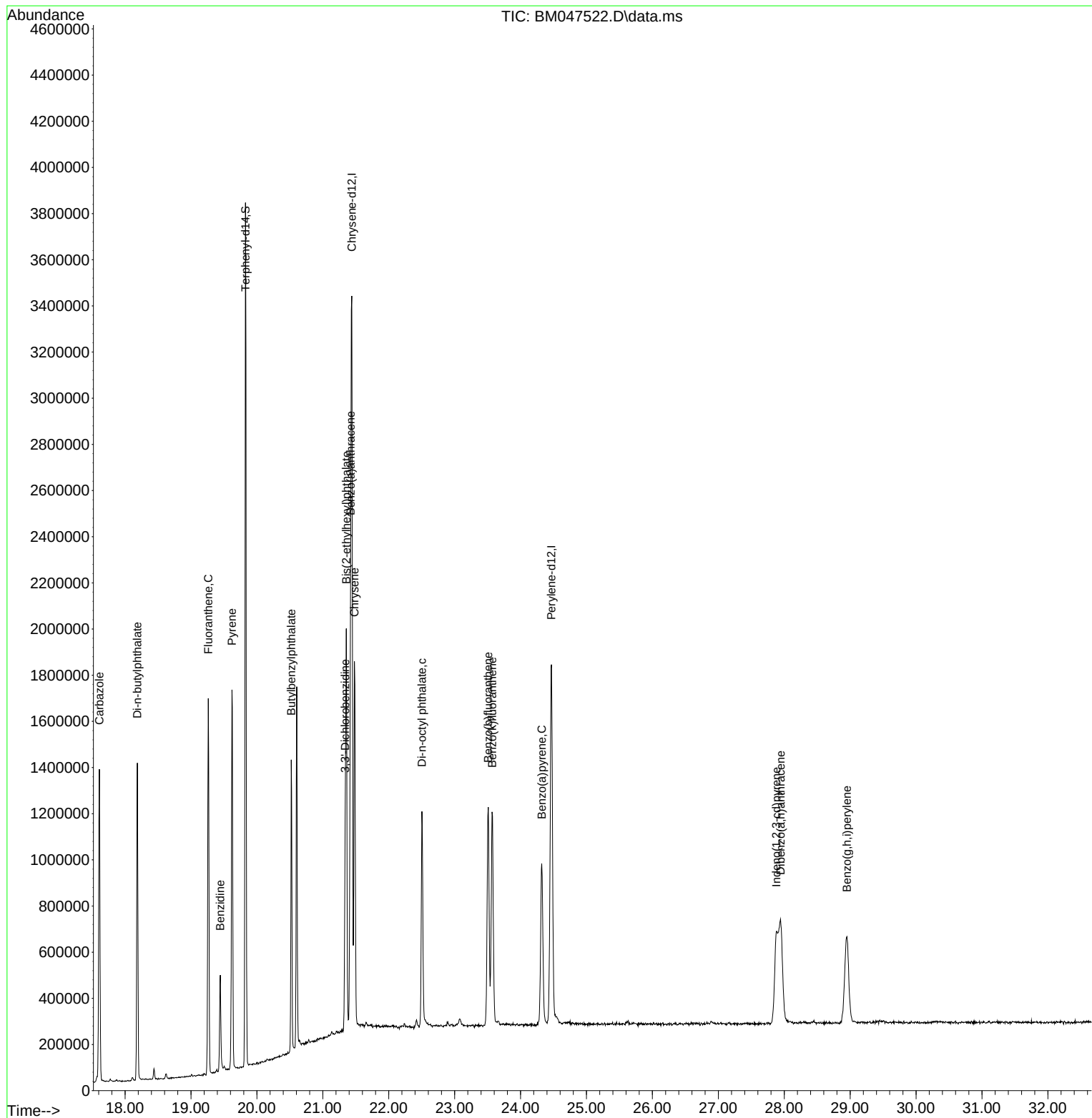
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

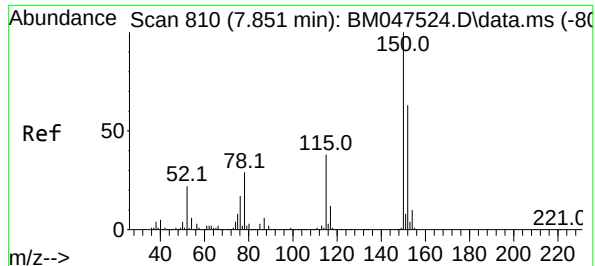
Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

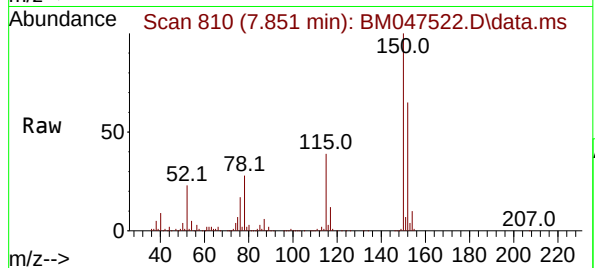
Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

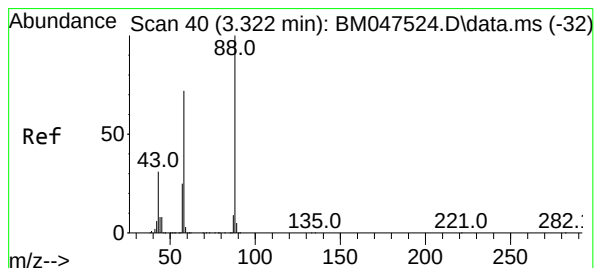
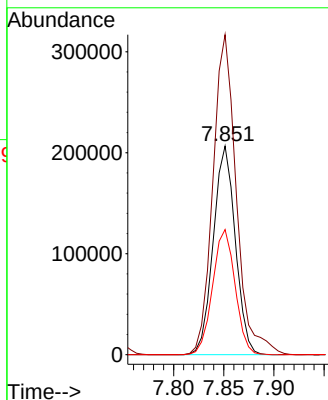
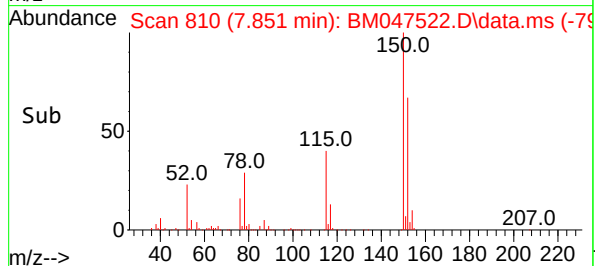
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

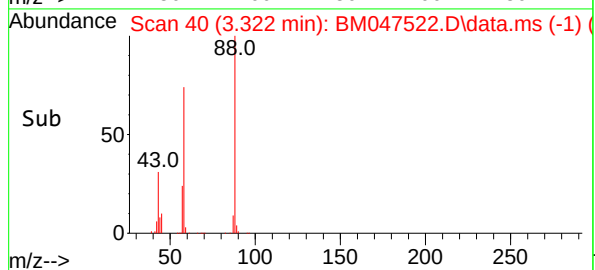
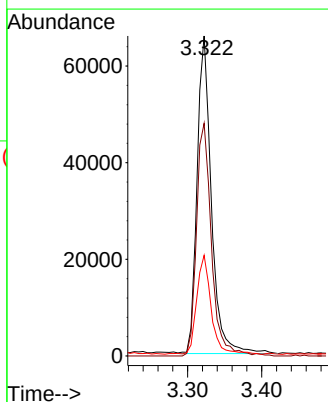
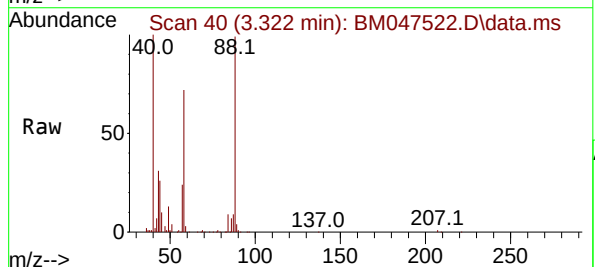
Manual Integrations
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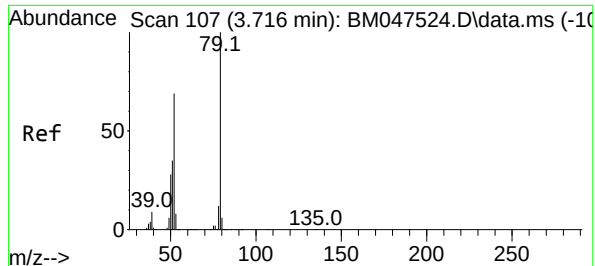
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 107

Delta R.T. 0.000 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 251409

Ion Ratio Lower Upper

79 100

52 68.2 55.4 83.0

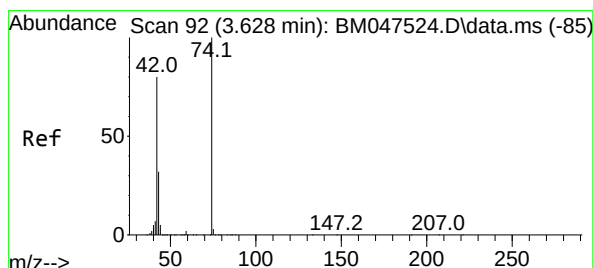
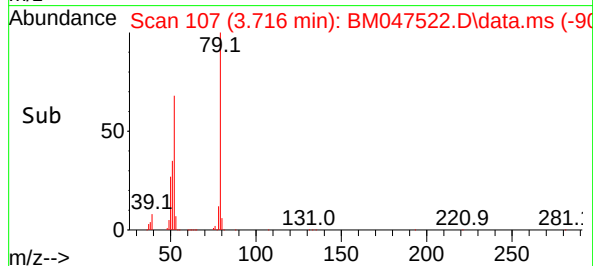
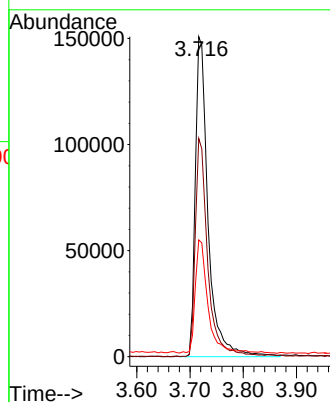
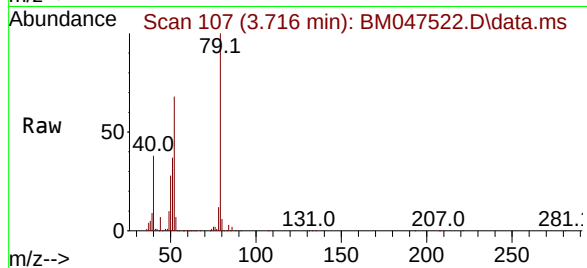
51 36.5 27.9 41.9

Manual Integrations

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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

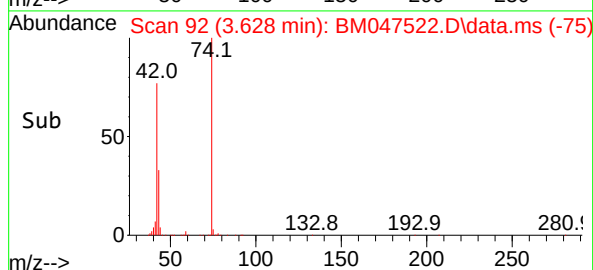
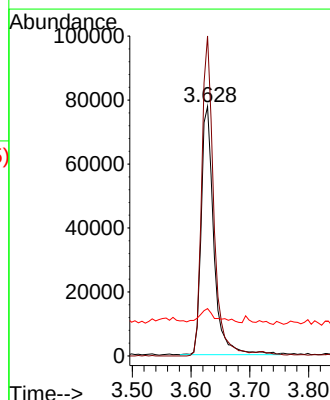
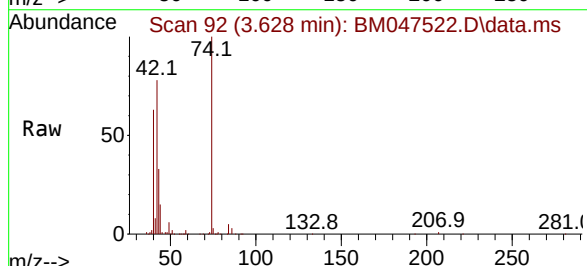
Tgt Ion: 42 Resp: 115291

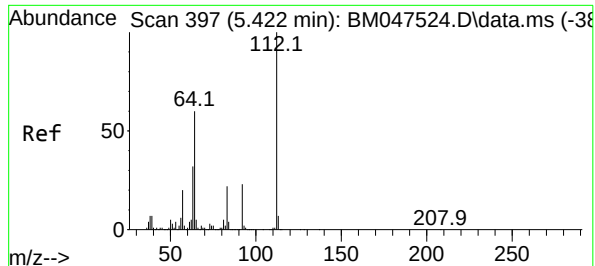
Ion Ratio Lower Upper

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# 397

Delta R.T. 0.000 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 112 Resp: 38150

Ion Ratio Lower Upper

112 100

64 59.2 48.2 72.4

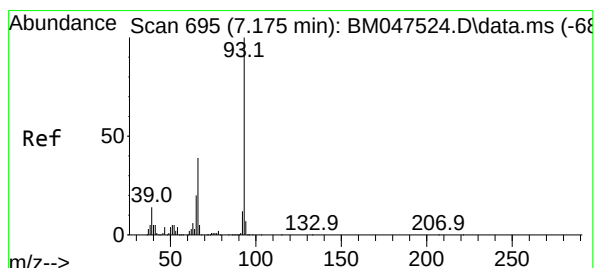
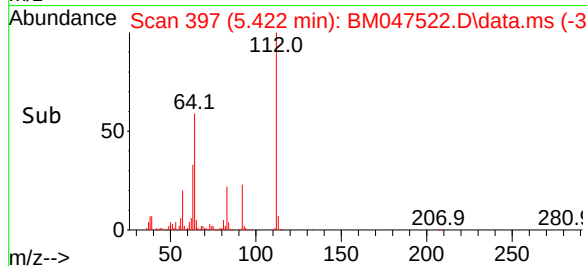
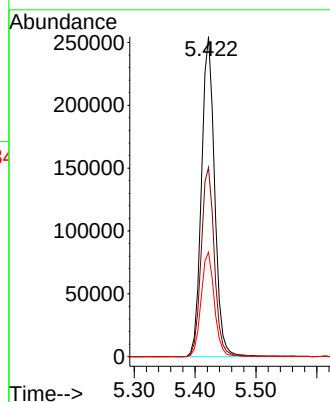
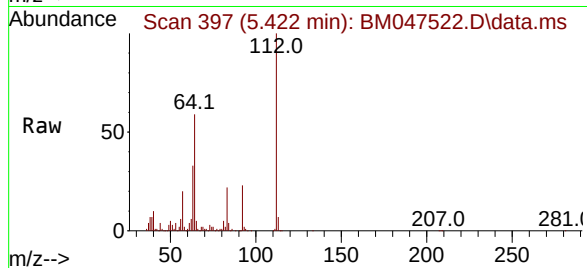
63 32.6 26.0 39.0

Manual Integrations

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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

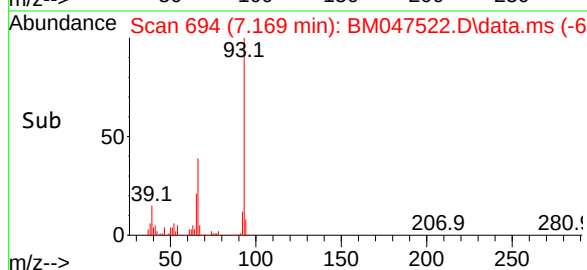
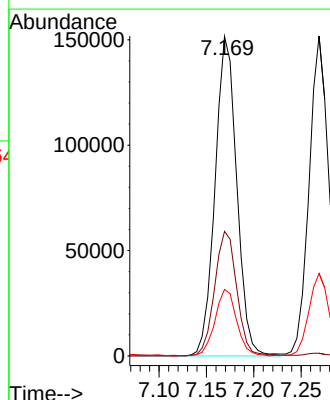
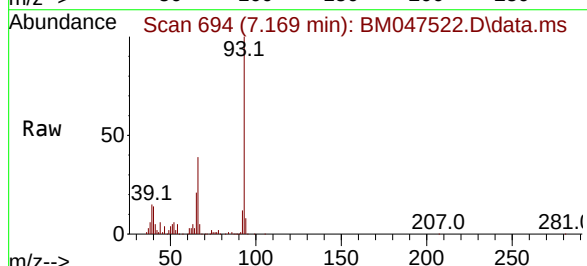
Tgt Ion: 93 Resp: 241475

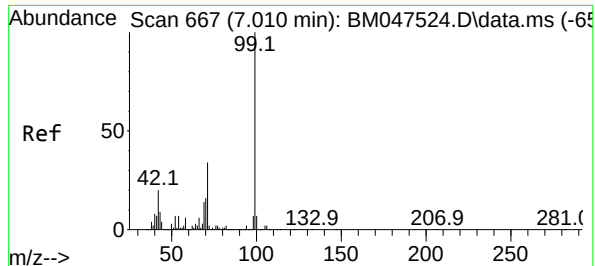
Ion Ratio Lower Upper

93 100

66 39.0 31.4 47.0

65 20.8 16.3 24.5





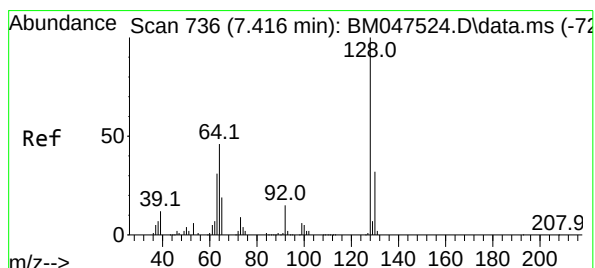
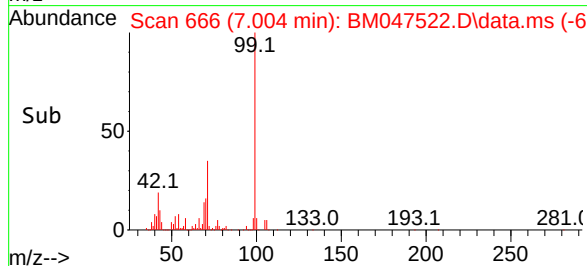
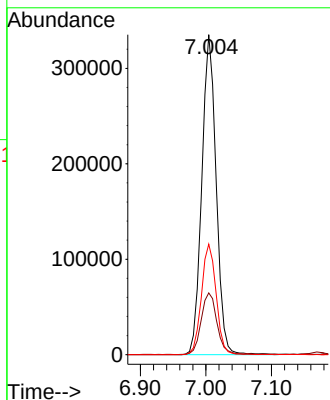
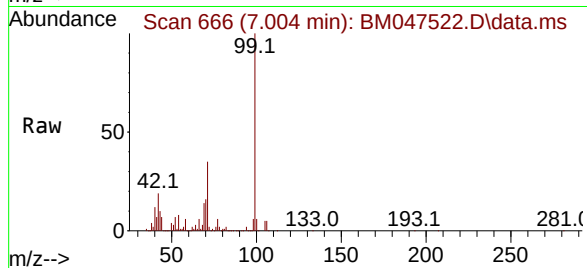
#7
Phenol-d6
Concen: 18.354 ng
RT: 7.004 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

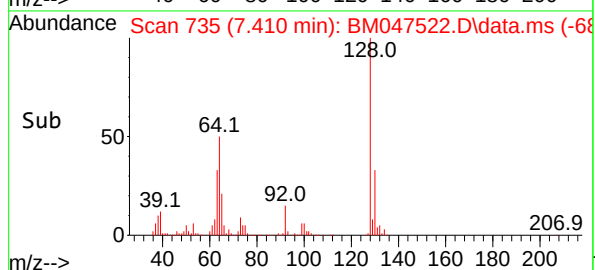
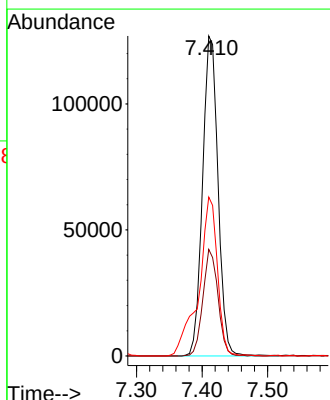
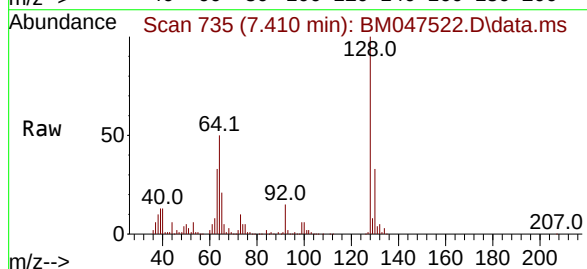
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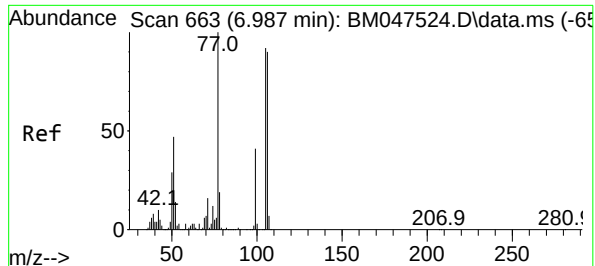
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

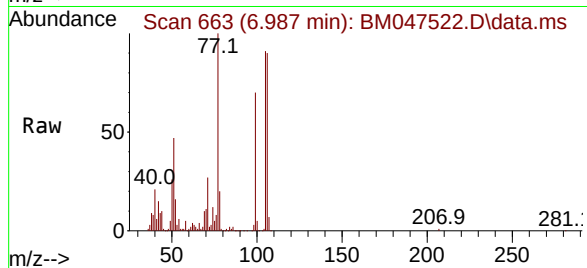
Tgt Ion:	128	Resp:	208605
Ion	Ratio	Lower	Upper
128	100		
130	33.3	11.8	51.8
64	49.7	27.6	67.6





#9
Benzaldehyde
Concen: 11.718 ng m
RT: 6.987 min Scan# 663
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

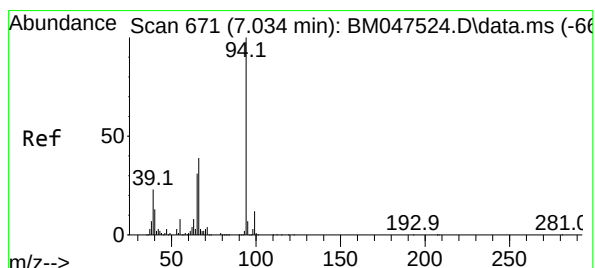
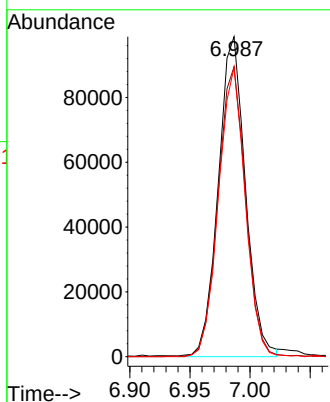
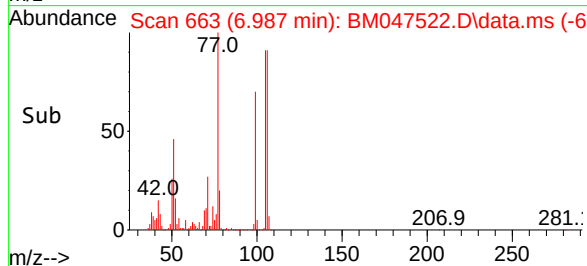
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 15562
Ion Ratio Lower Upper
77 100
105 90.6 71.8 111.8
106 90.4 69.7 109.7

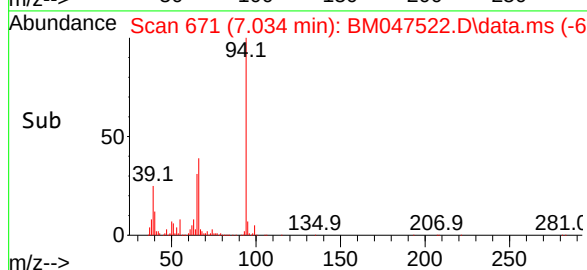
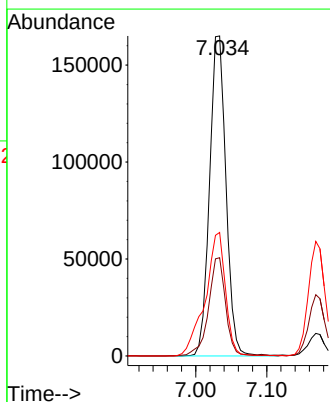
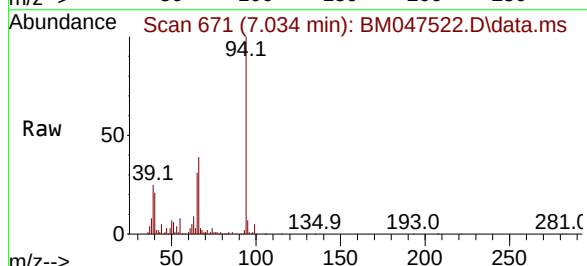
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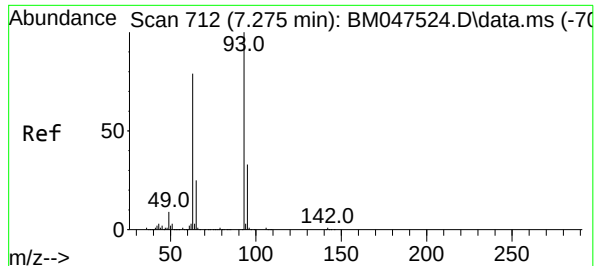
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





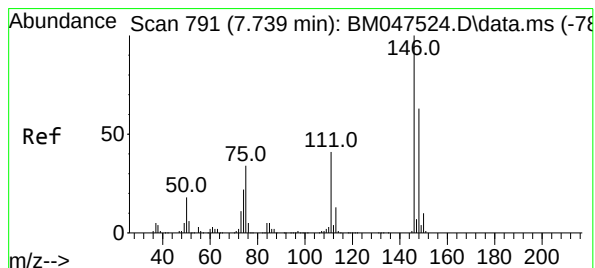
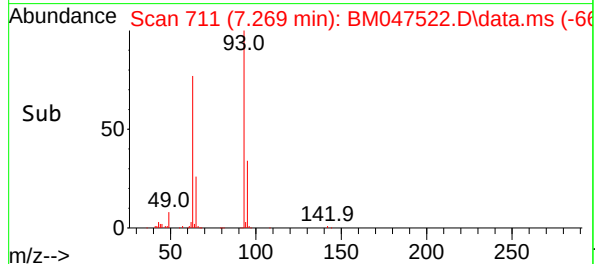
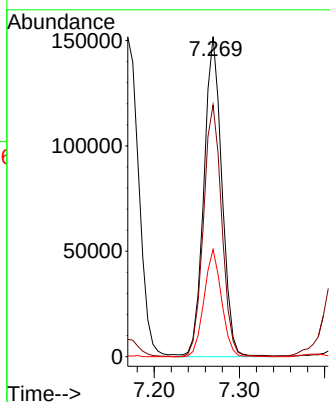
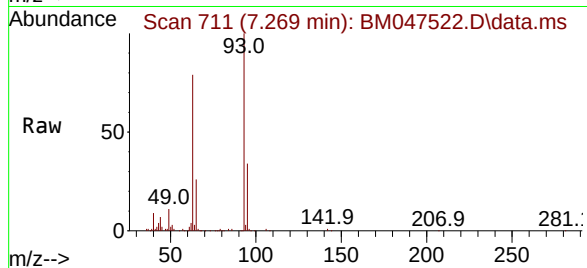
#11
bis(2-Chloroethyl)ether
Concen: 9.935 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 223062
Ion Ratio Lower Upper
93 100
63 78.7 58.2 98.2
95 33.5 12.8 52.8

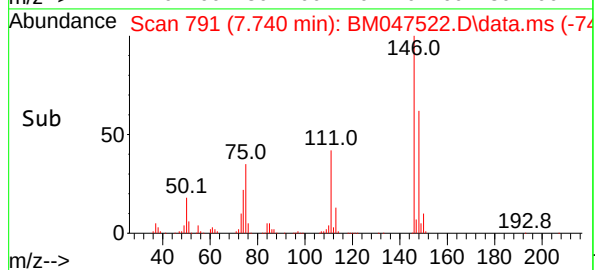
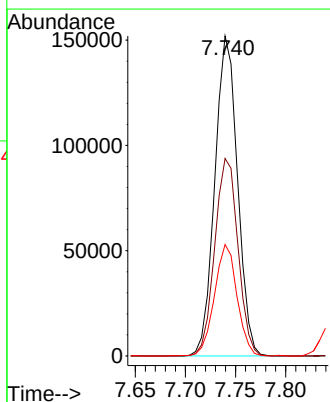
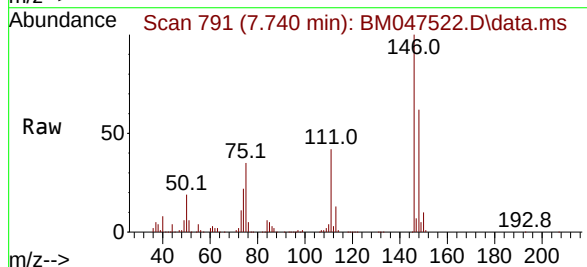
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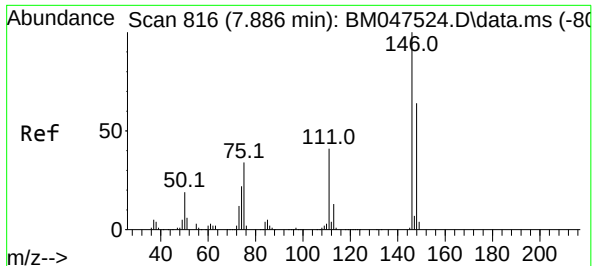
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 816

Delta R.T. 0.000 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 24229

Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

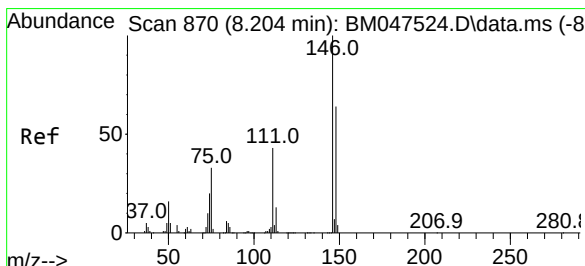
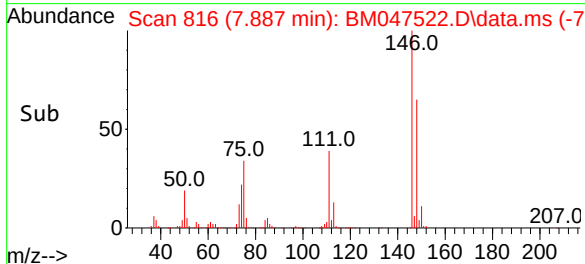
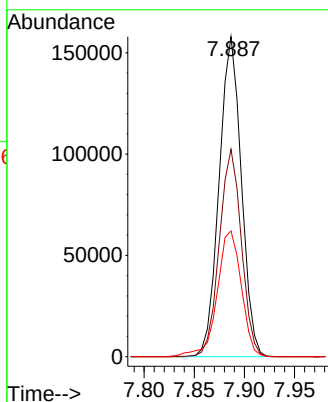
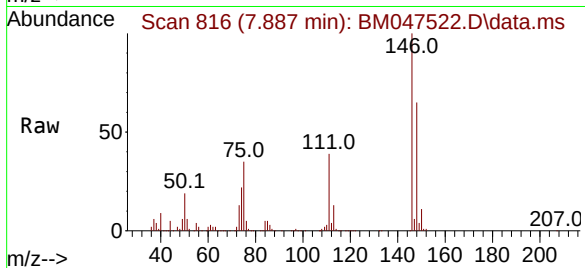
111 39.3 32.9 49.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

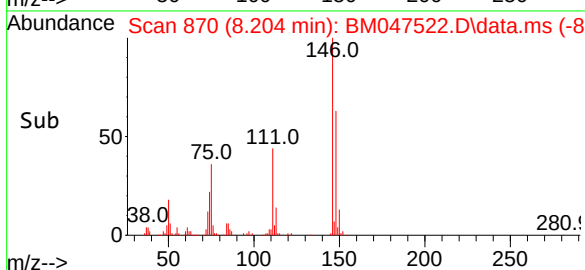
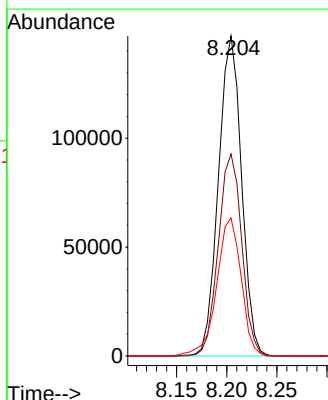
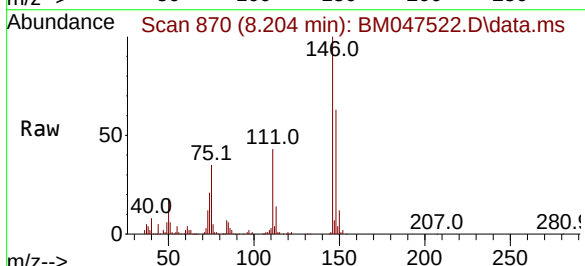
Tgt Ion:146 Resp: 235510

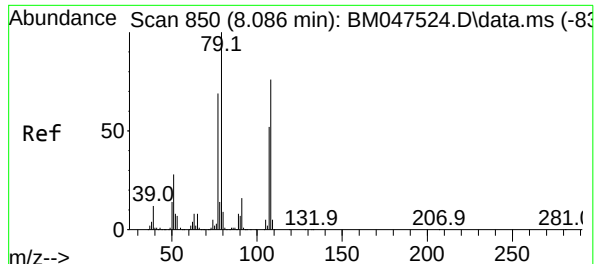
Ion Ratio Lower Upper

146 100

148 63.1 51.1 76.7

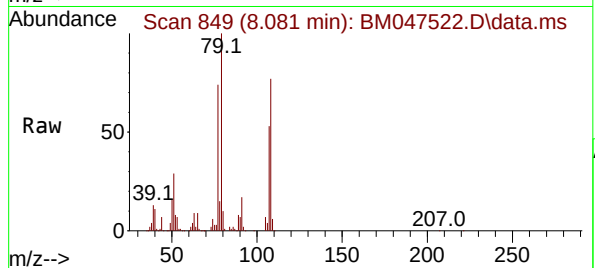
111 43.2 34.7 52.1





#15
Benzyl Alcohol
Concen: 9.153 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

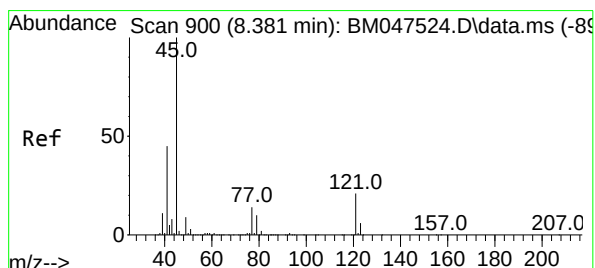
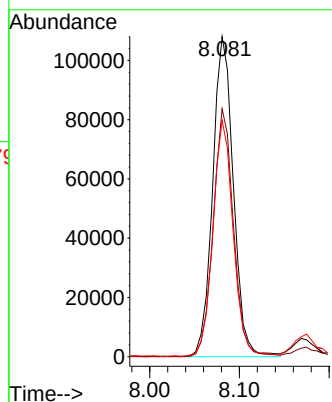
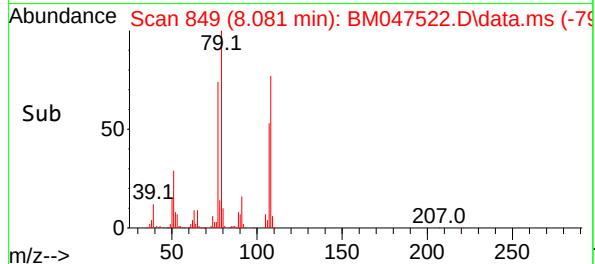
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

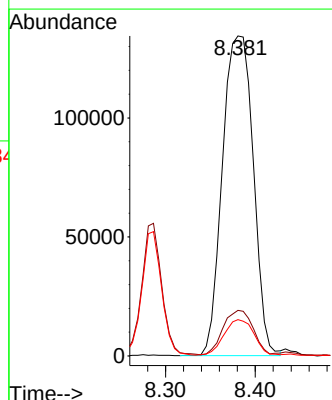
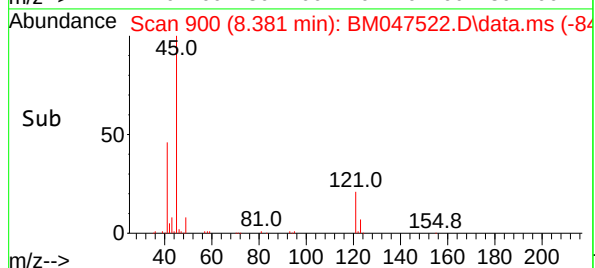
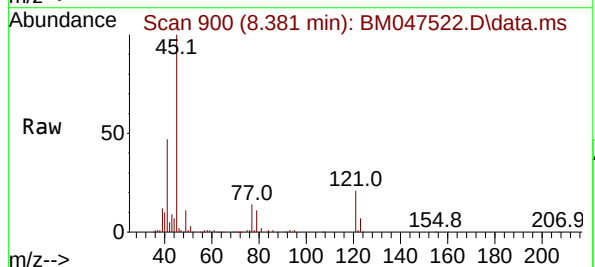
Manual Integrations
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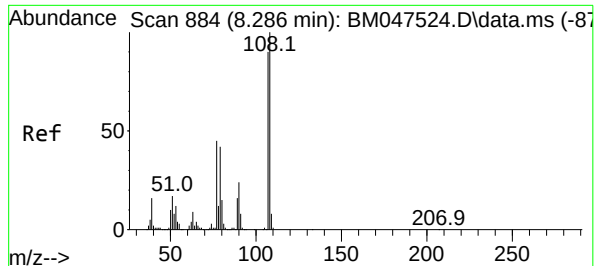
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 884

Delta R.T. 0.000 min

Lab File: BM047522.D

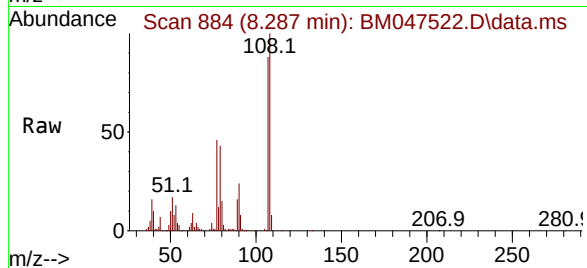
Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



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

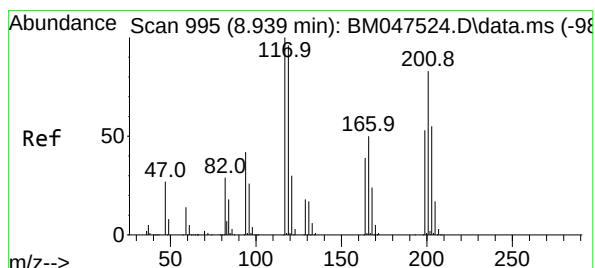
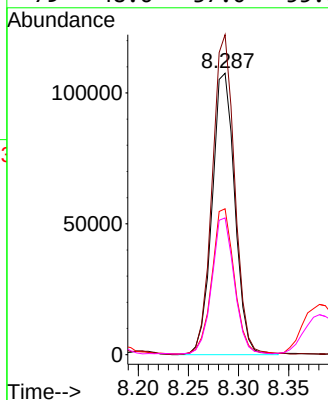
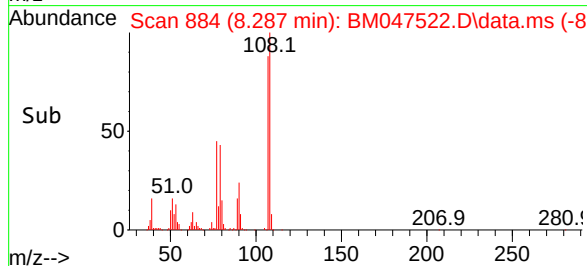
79 48.6 37.0 55.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#18

Hexachloroethane

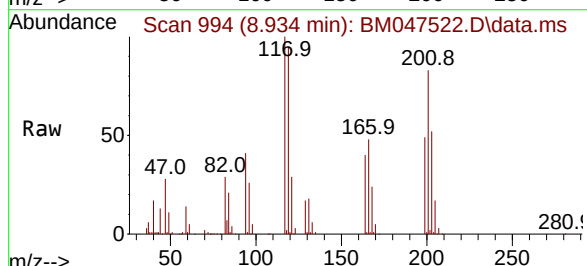
Concen: 9.834 ng

RT: 8.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16



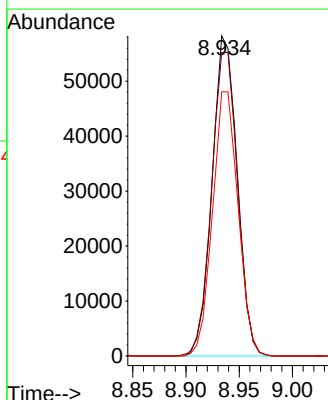
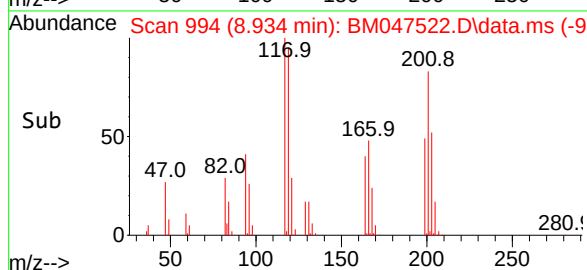
Tgt Ion:117 Resp: 95755

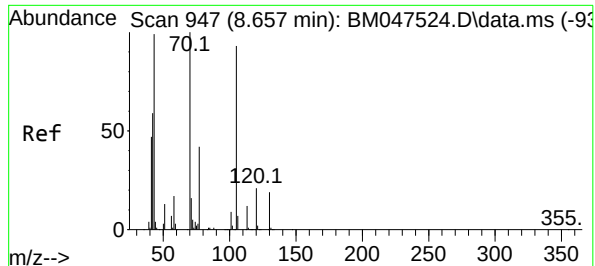
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 182215

Ion Ratio Lower Upper

70 100

42 61.2 48.2 72.2

101 8.2 7.0 10.4

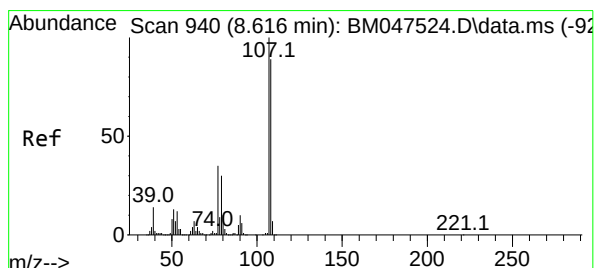
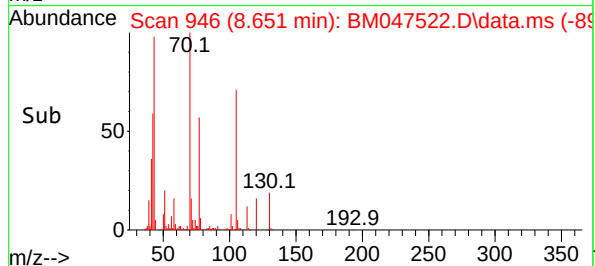
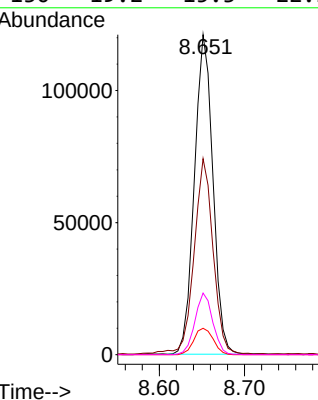
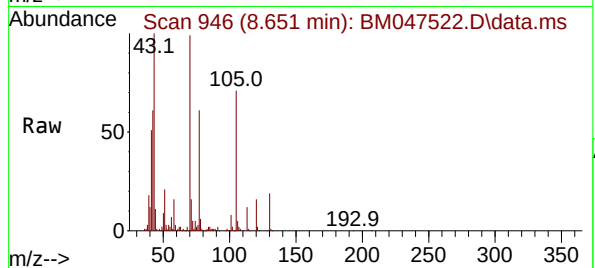
130 19.2 15.3 22.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

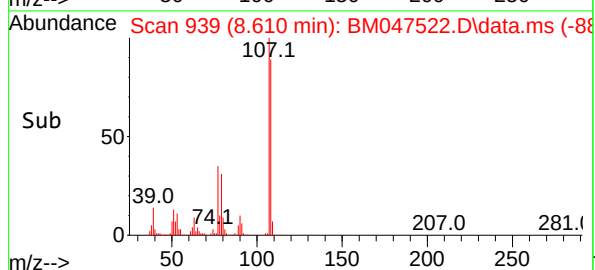
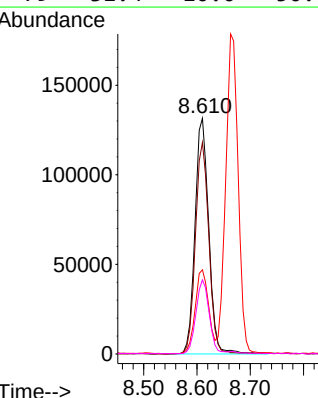
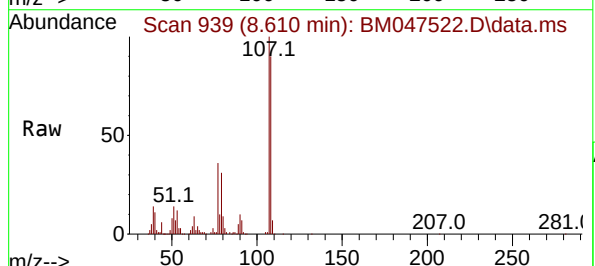
Ion Ratio Lower Upper

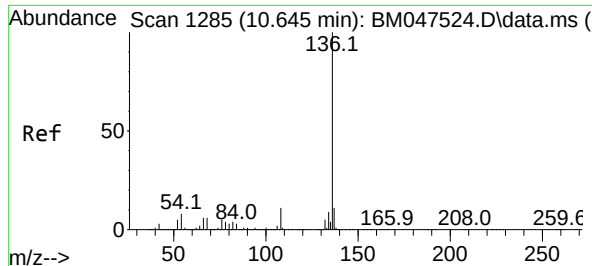
107 100

108 89.8 68.9 108.9

77 35.7 15.5 55.5

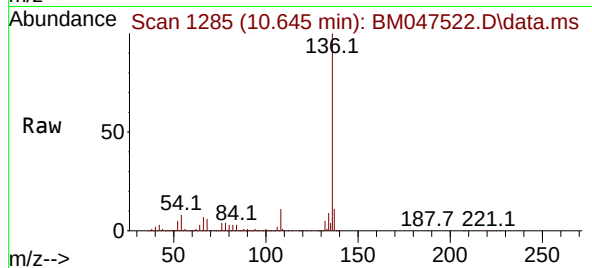
79 31.4 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

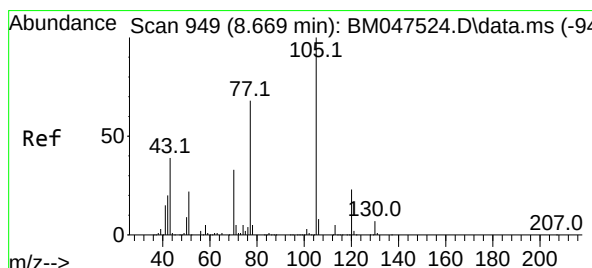
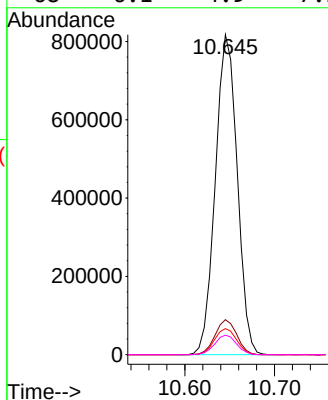
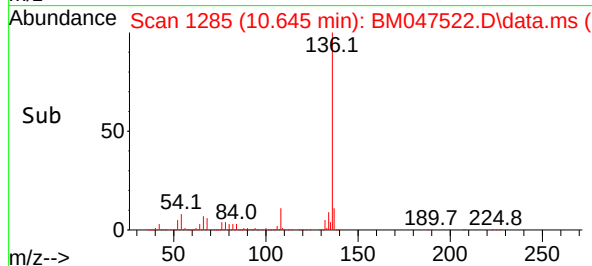
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 1384609
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.2 6.6 9.8
68 6.1 4.9 7.3

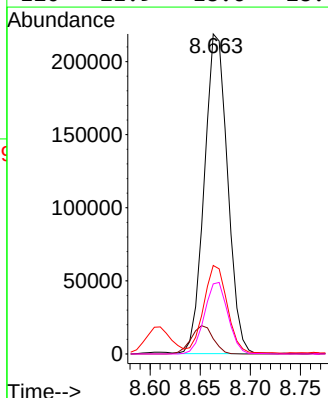
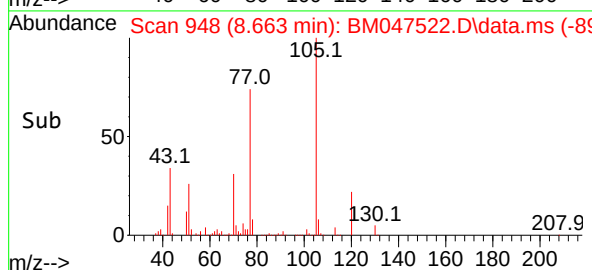
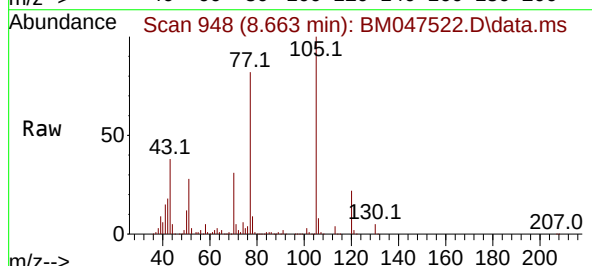
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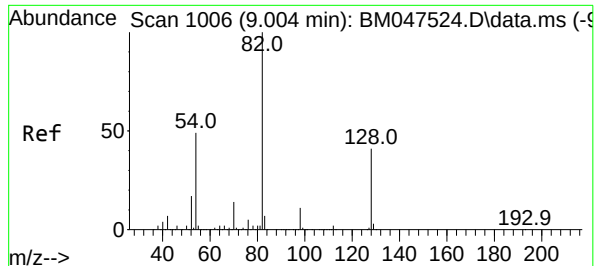
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1005

Delta R.T. -0.006 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 53204

Ion Ratio Lower Upper

82 100

128 38.9 33.0 49.4

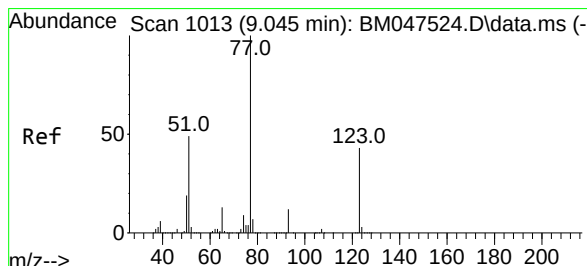
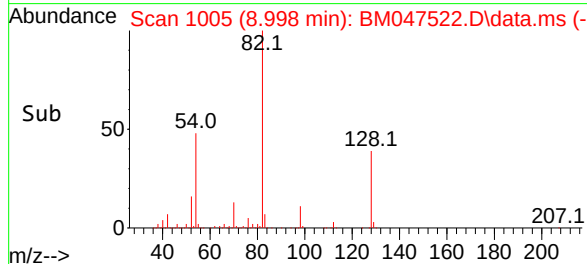
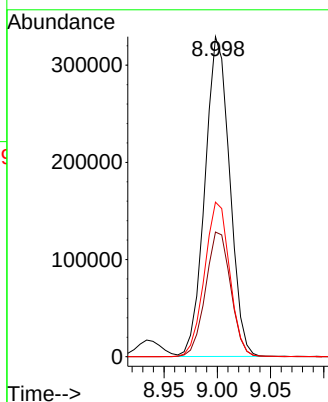
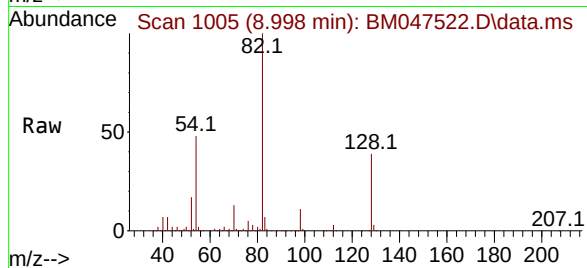
54 48.3 39.3 58.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

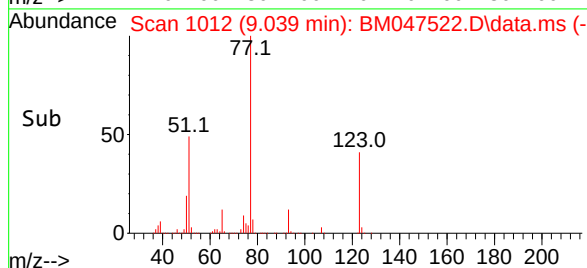
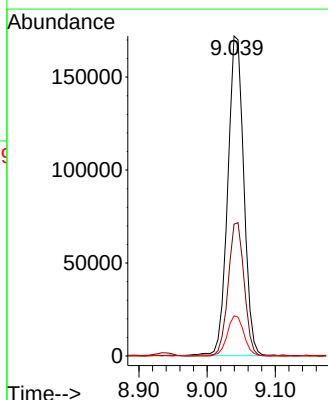
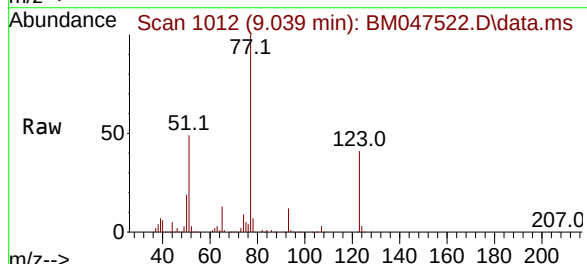
Tgt Ion: 77 Resp: 281172

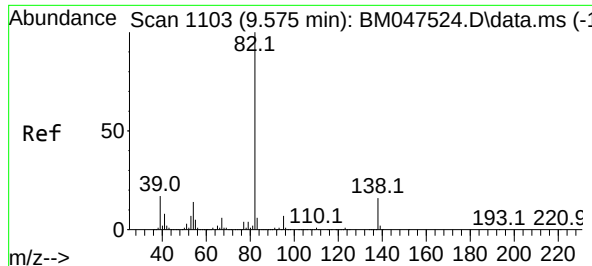
Ion Ratio Lower Upper

77 100

123 41.2 34.5 51.7

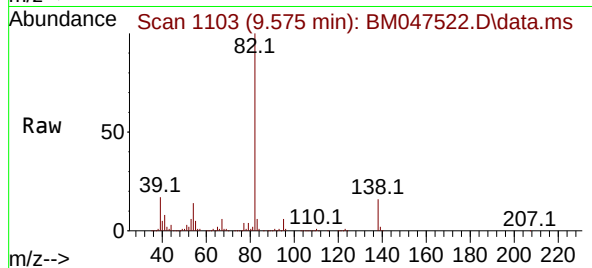
65 12.6 10.7 16.1





#25
Isophorone
Concen: 9.667 ng
RT: 9.575 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

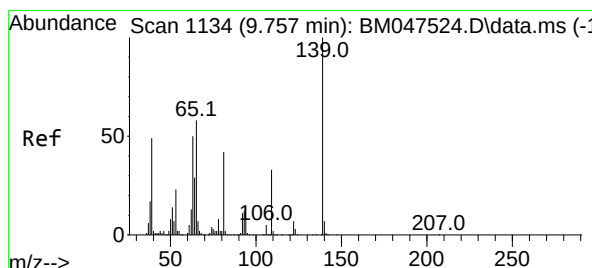
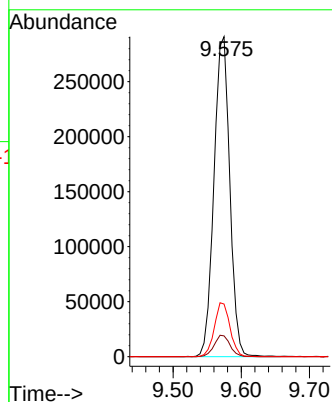
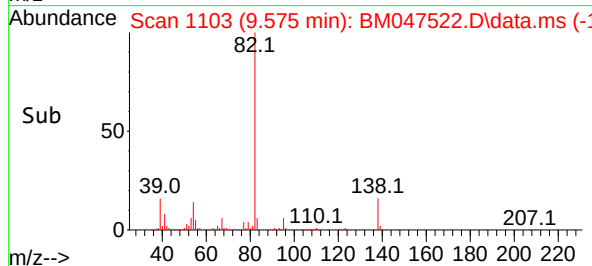
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

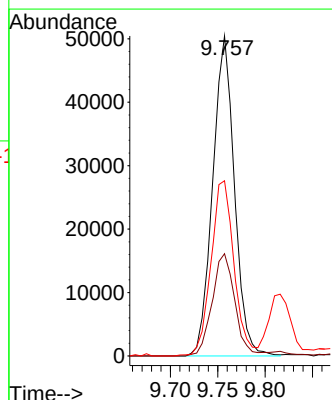
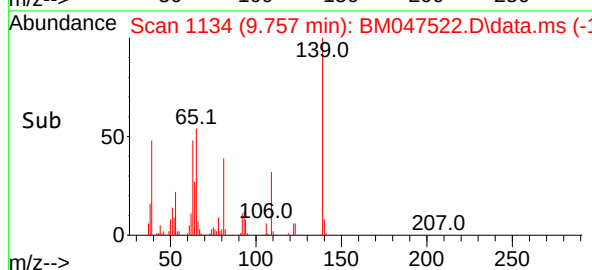
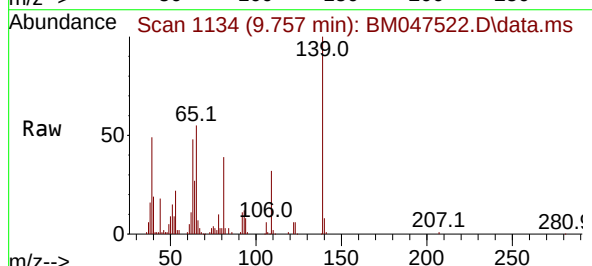
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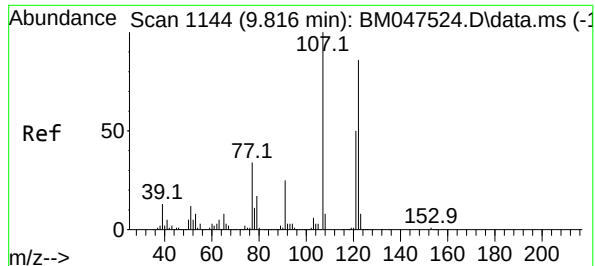
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1144

Delta R.T. 0.000 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 140049

Ion Ratio Lower Upper

122 100

107 114.5 92.4 138.6

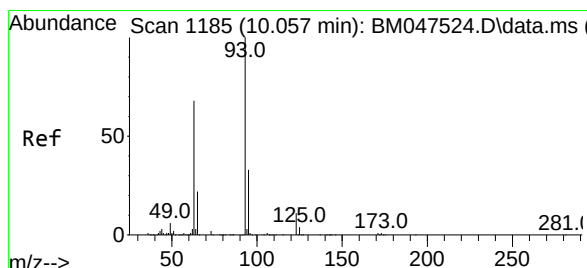
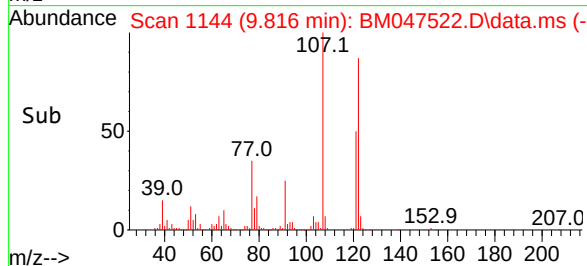
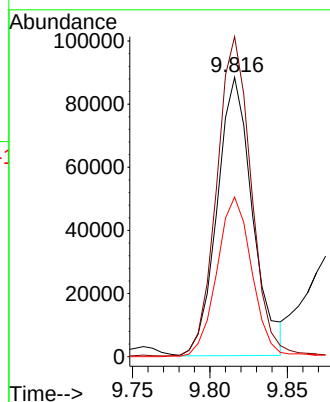
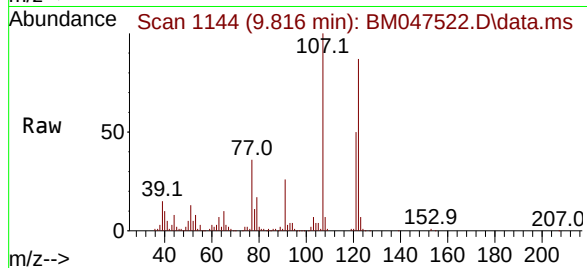
121 57.1 46.2 69.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

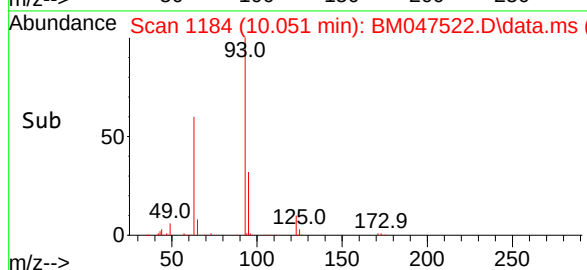
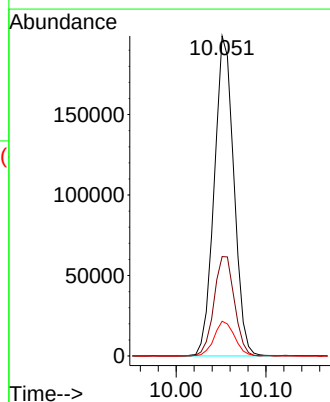
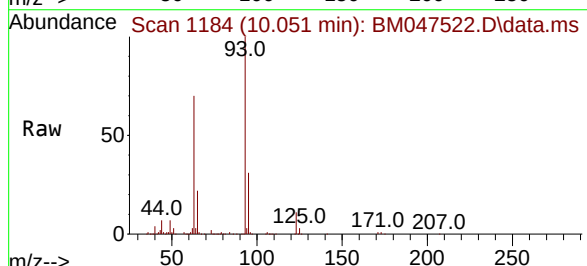
Tgt Ion: 93 Resp: 301673

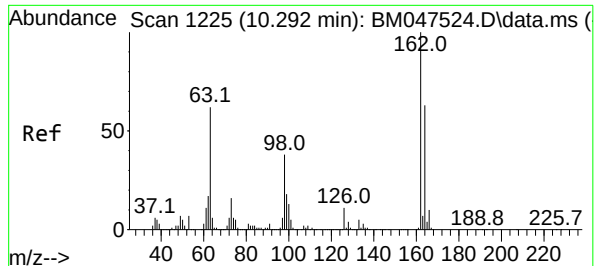
Ion Ratio Lower Upper

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# 1225

Delta R.T. -0.006 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 168270

Ion Ratio Lower Upper

162 100

164 66.5 43.5 83.5

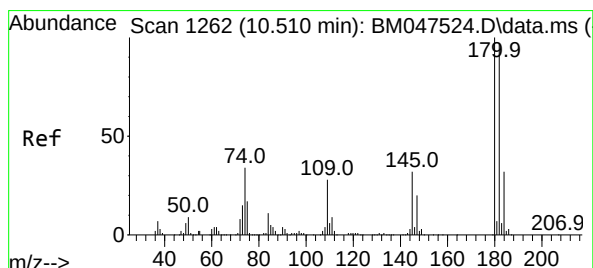
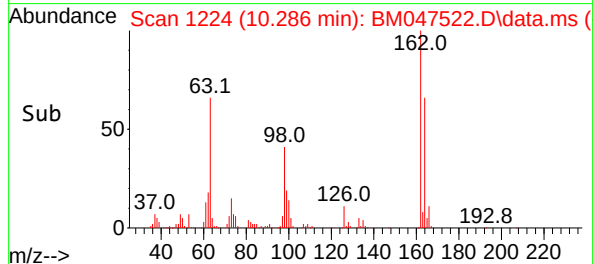
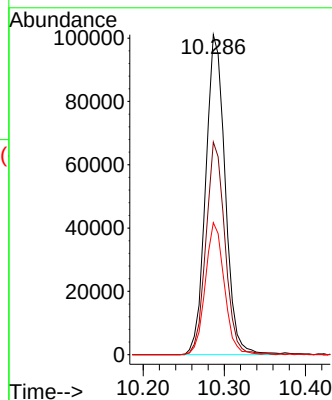
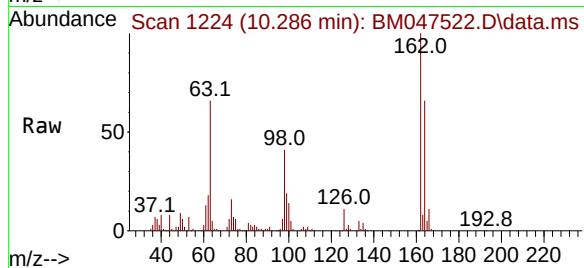
98 41.3 17.6 57.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

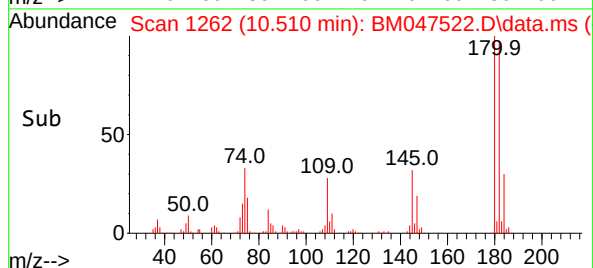
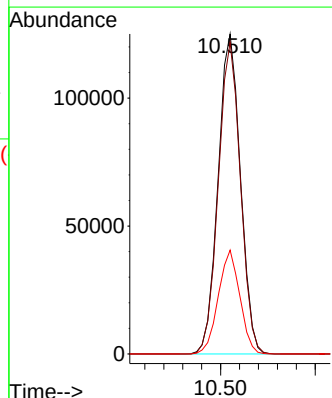
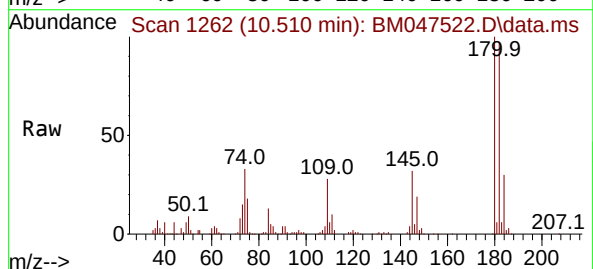
Tgt Ion:180 Resp: 204663

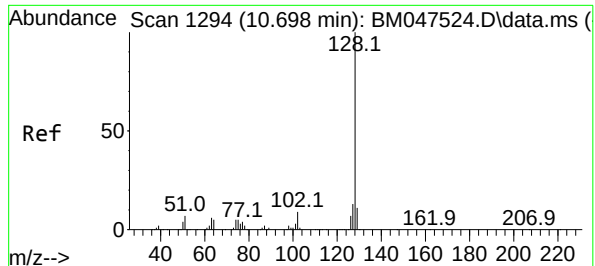
Ion Ratio Lower Upper

180 100

182 97.3 77.6 116.4

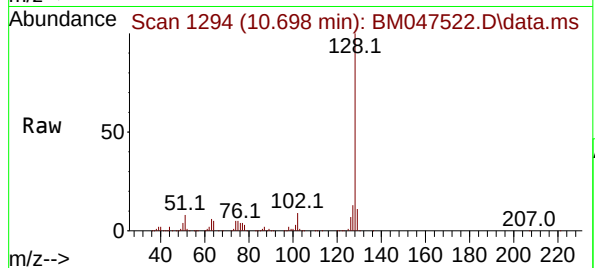
145 32.5 25.4 38.0





#31
Naphthalene
Concen: 9.645 ng
RT: 10.698 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

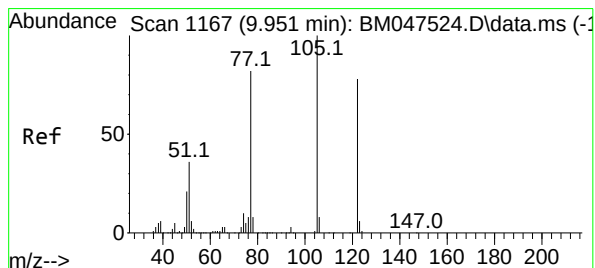
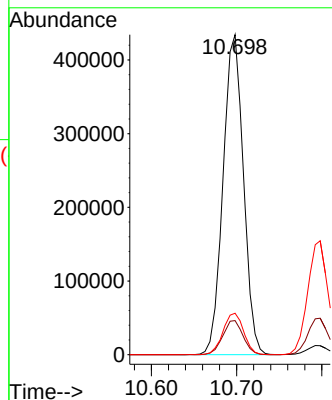
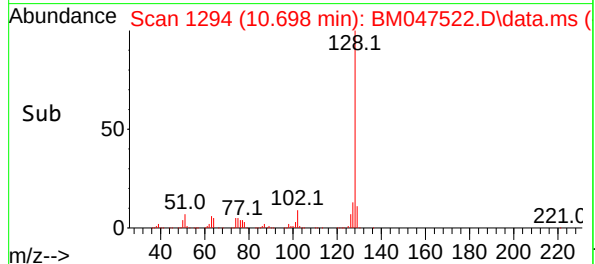
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

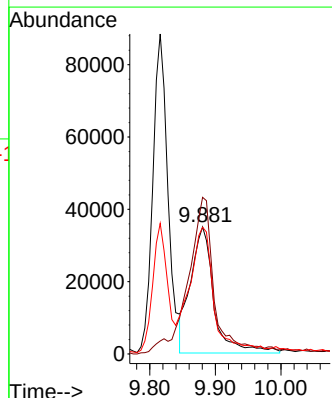
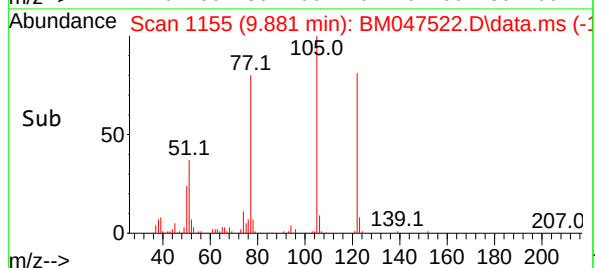
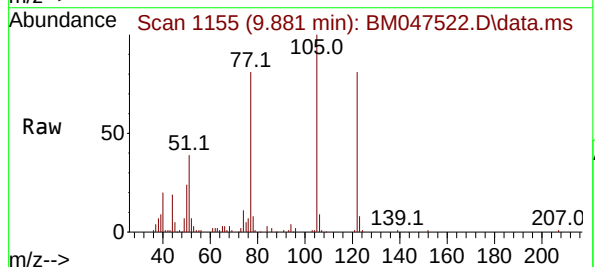
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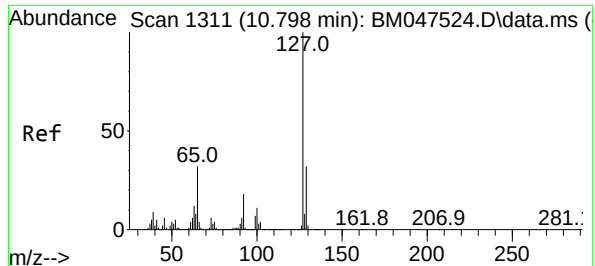
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

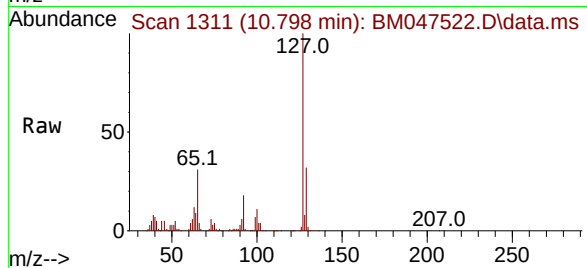
Tgt Ion:122 Resp: 86588
Ion Ratio Lower Upper
122 100
105 123.2 104.7 144.7
77 99.7 83.4 123.4





#33
4-Chloroaniline
Concen: 9.557 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

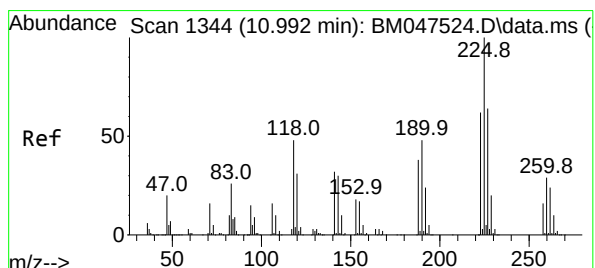
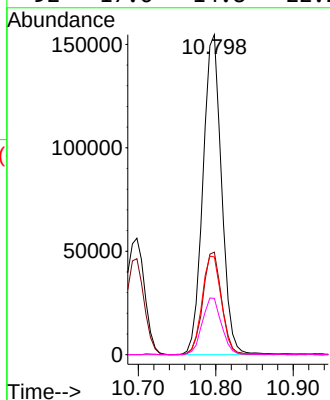
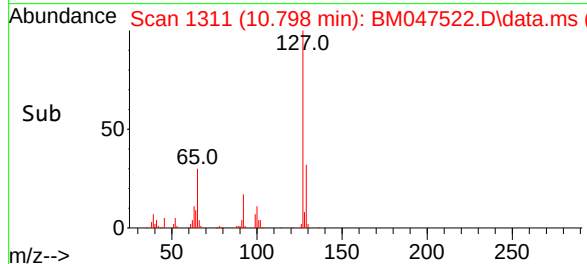
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



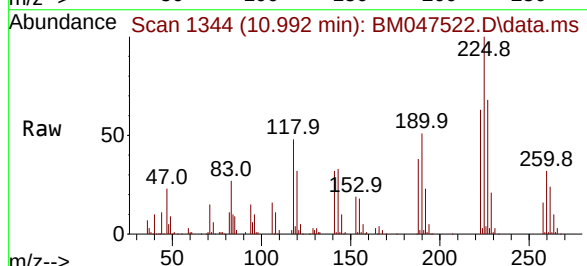
Tgt Ion:127 Resp: 25839
Ion Ratio Lower Upper
127 100
129 32.1 25.4 38.0
65 30.6 25.5 38.3
92 17.6 14.8 22.2

Manual Integrations
APPROVED

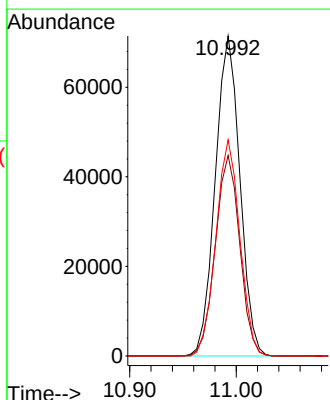
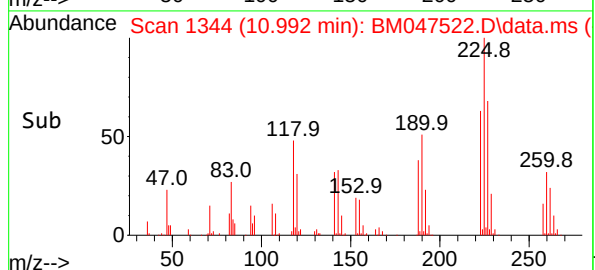
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

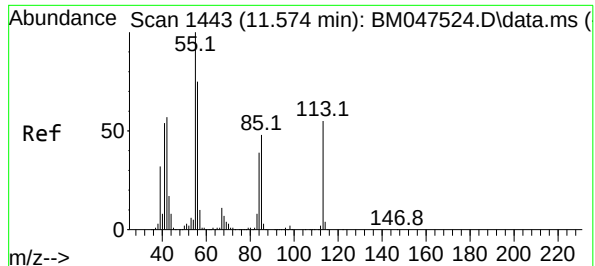


#34
Hexachlorobutadiene
Concen: 9.687 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



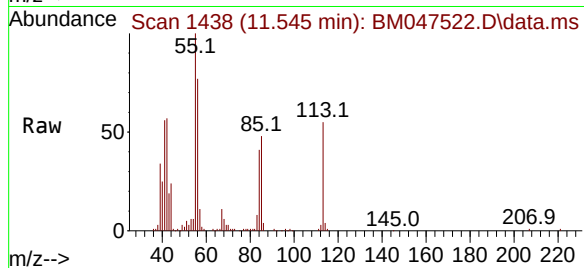
Tgt Ion:225 Resp: 114671
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.6
227 67.5 51.0 76.4





#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

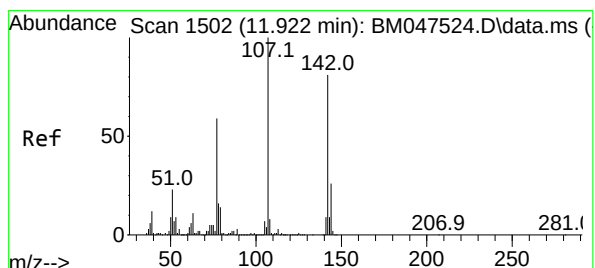
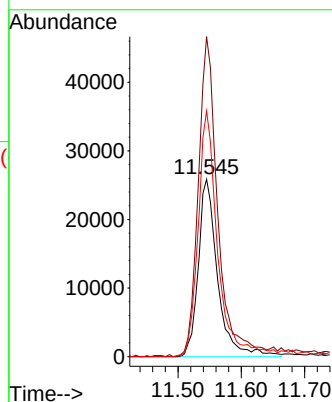
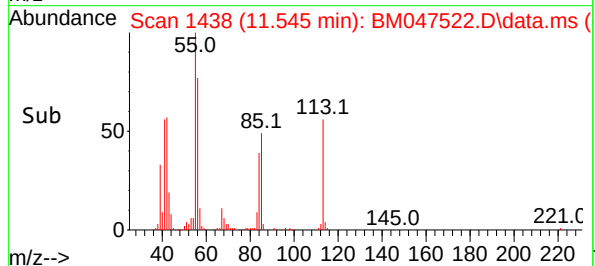
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

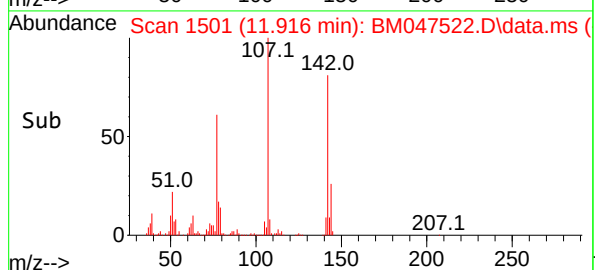
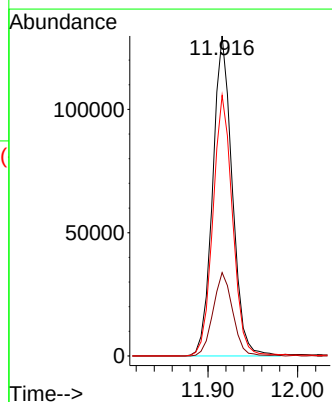
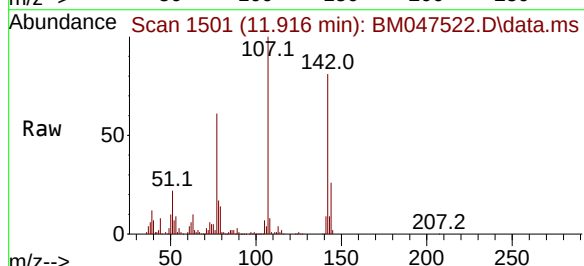
Manual Integrations
APPROVED

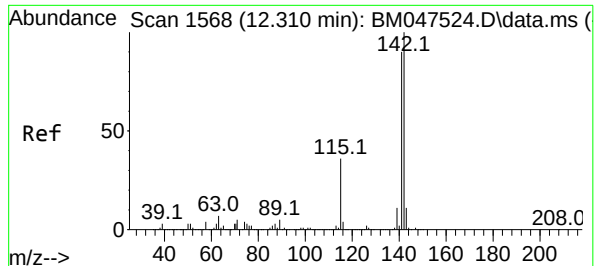
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





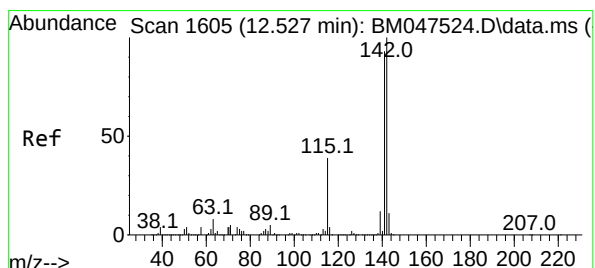
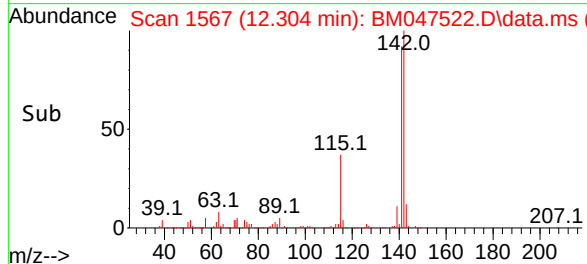
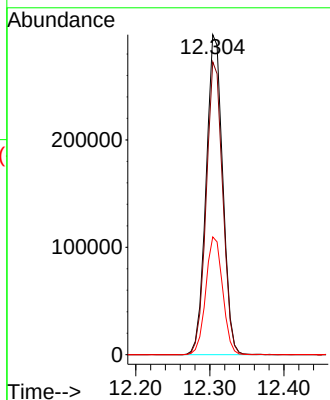
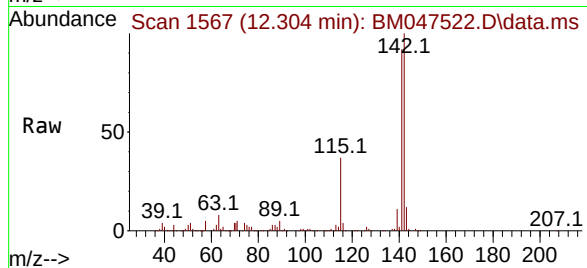
#37
2-Methylnaphthalene
Concen: 9.343 ng
RT: 12.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

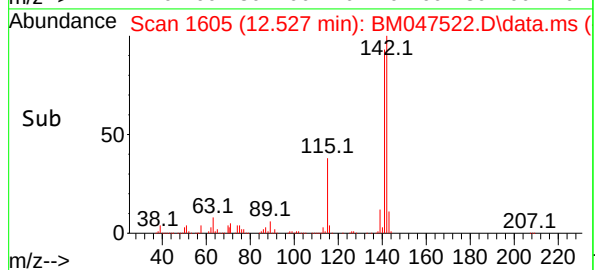
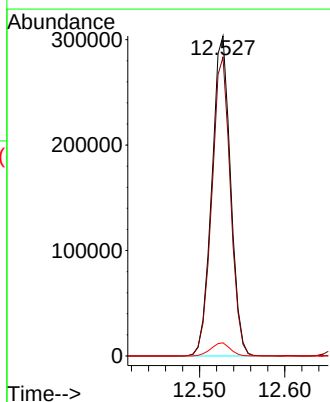
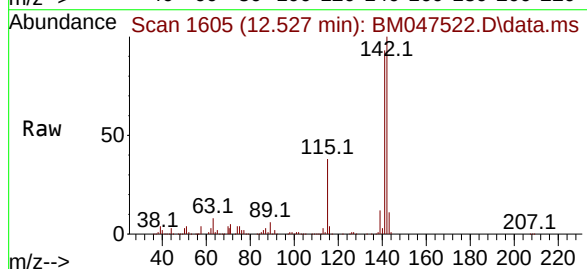
Manual Integrations
APPROVED

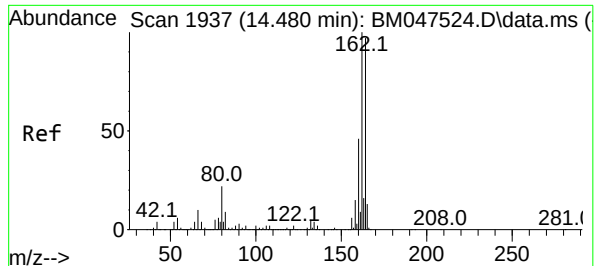
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

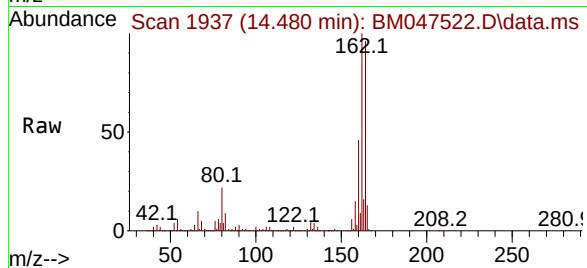
Tgt Ion:142 Resp: 464087
Ion Ratio Lower Upper
142 100
141 93.3 74.7 112.1
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

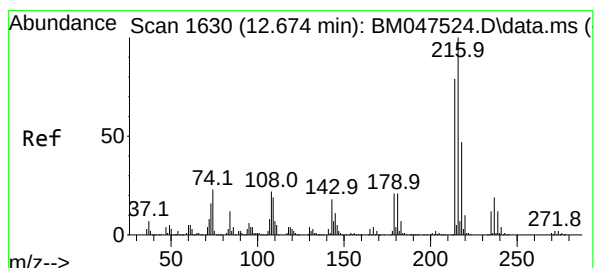
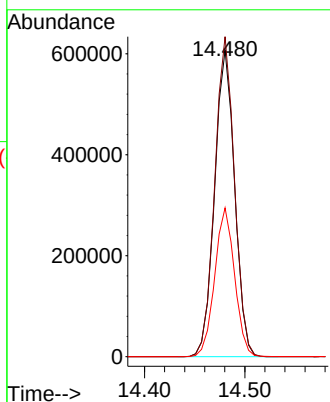
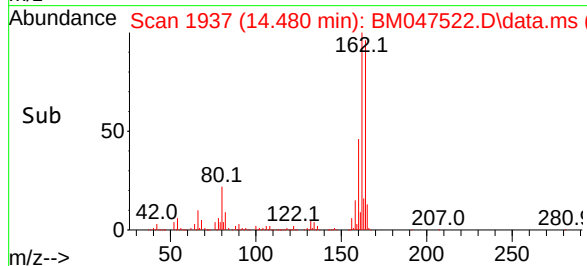
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



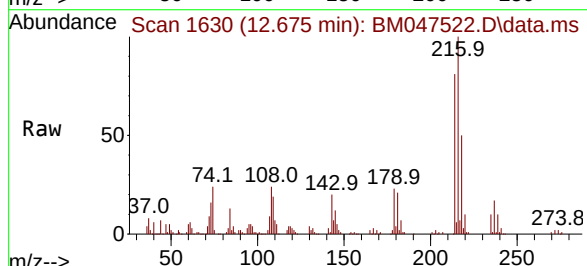
Tgt Ion:164 Resp: 841449
Ion Ratio Lower Upper
164 100
162 104.4 82.2 123.2
160 48.5 38.2 57.2

Manual Integrations
APPROVED

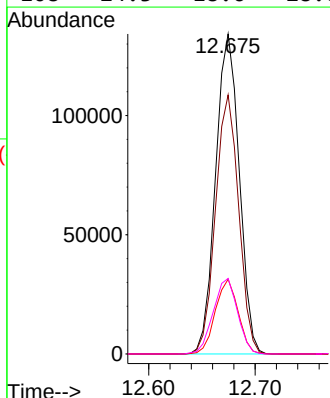
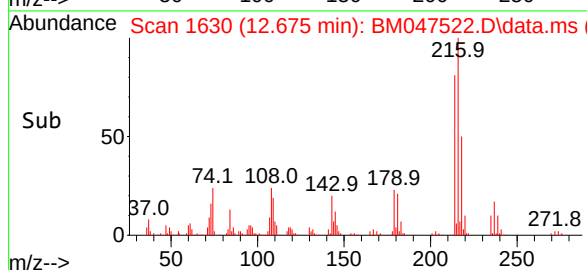
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

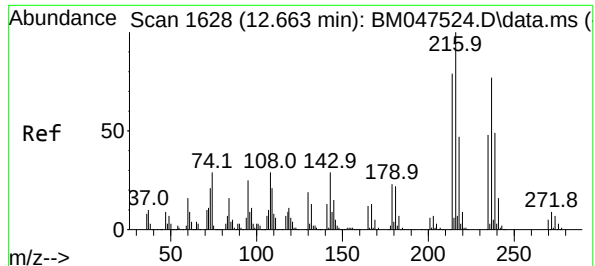


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.080 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



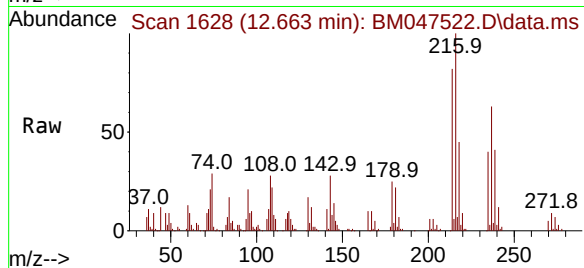
Tgt Ion:216 Resp: 206736
Ion Ratio Lower Upper
216 100
214 79.3 63.0 94.6
179 22.5 17.5 26.3
108 24.3 18.6 28.0





#41
Hexachlorocyclopentadiene
Concen: 9.197 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

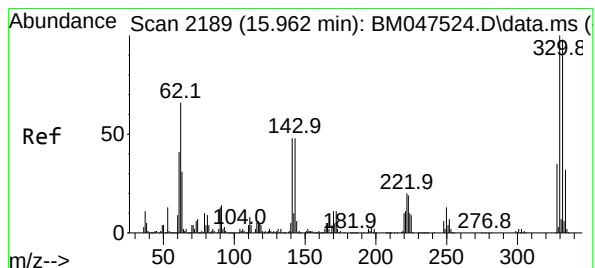
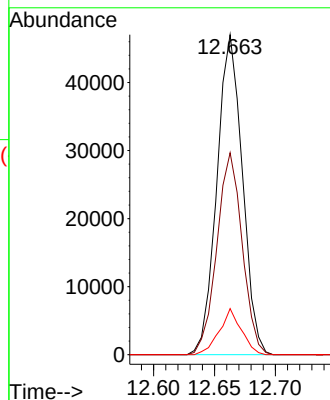
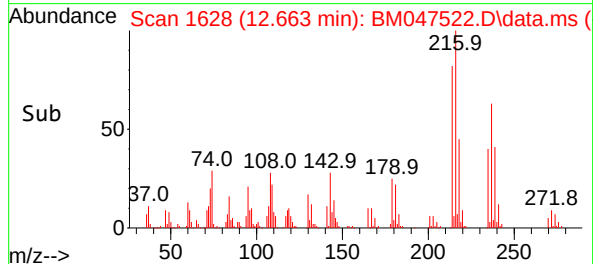
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



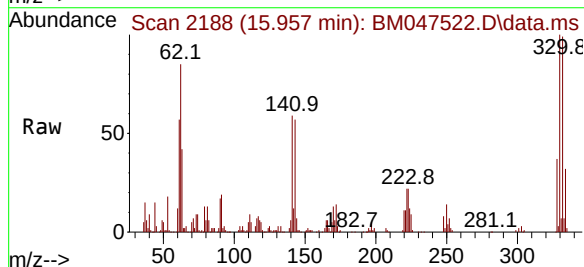
Tgt Ion: 237 Resp: 6845
Ion Ratio Lower Upper
237 100
235 63.1 42.0 82.0
272 14.4 0.0 31.5

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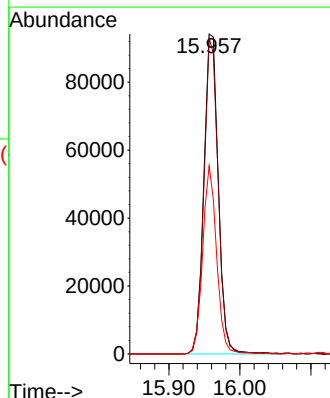
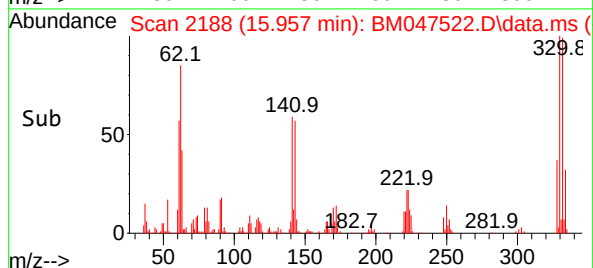
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

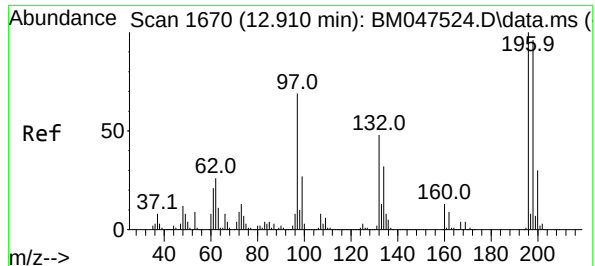


#42
2,4,6-Tribromophenol
Concen: 16.487 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



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# 1670

Delta R.T. 0.000 min

Lab File: BM047522.D

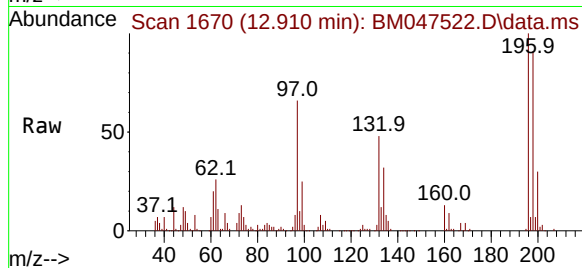
Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



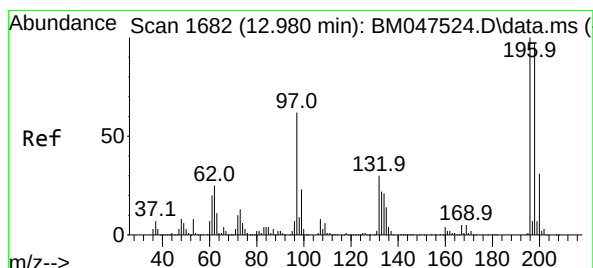
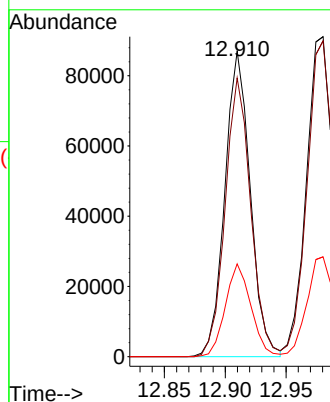
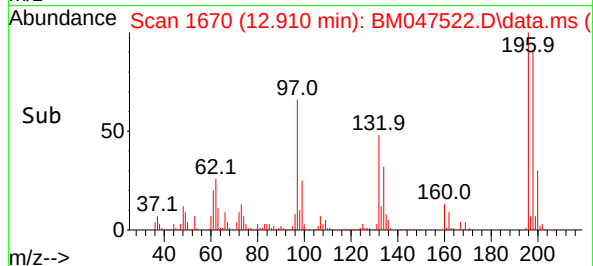
Tgt Ion:	196	Resp:	12647
Ion Ratio	Lower	Upper	
196	100		
198	91.3	76.9	115.3
200	30.4	24.3	36.5

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#44

2,4,5-Trichlorophenol

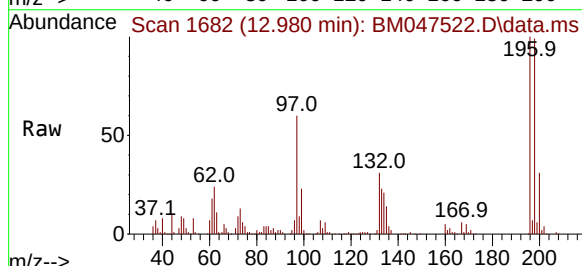
Concen: 9.004 ng

RT: 12.980 min Scan# 1682

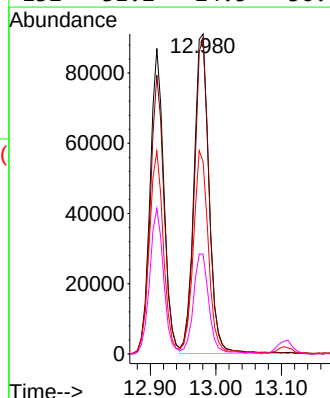
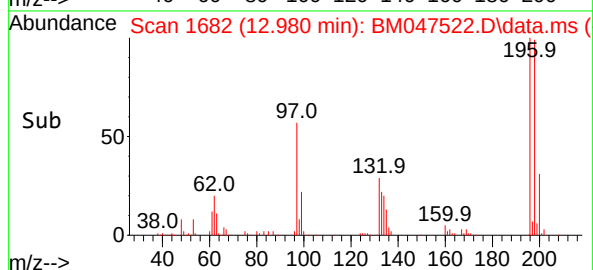
Delta R.T. 0.000 min

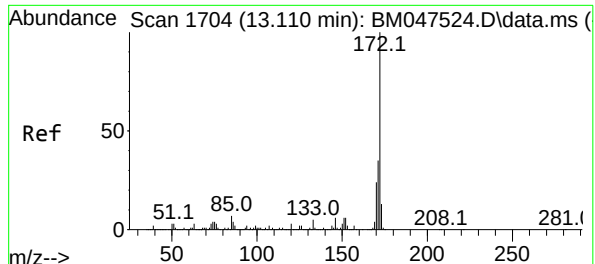
Lab File: BM047522.D

Acq: 14 Sep 2024 13:16



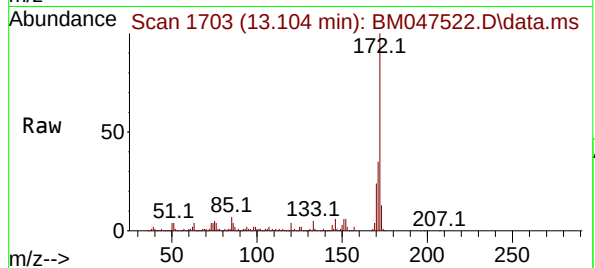
Tgt Ion:	196	Resp:	145073
Ion Ratio	Lower	Upper	
196	100		
198	98.7	77.4	116.2
97	60.1	49.8	74.8
132	31.2	24.5	36.7





#45
2-Fluorobiphenyl
Concen: 17.835 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

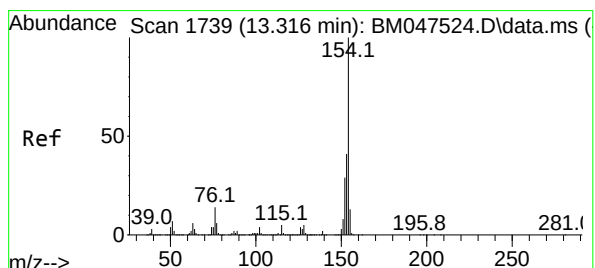
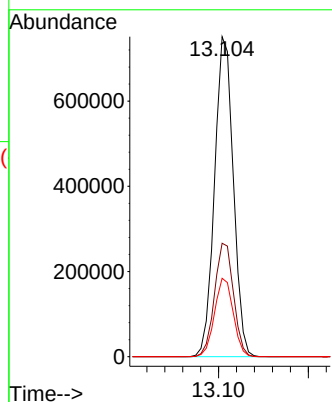
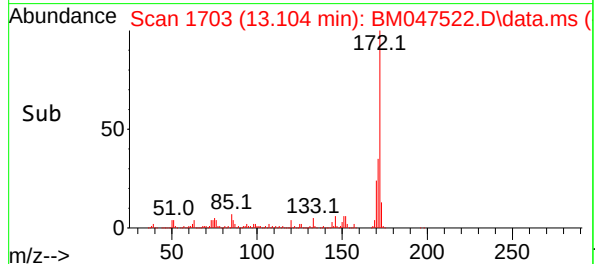
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:172 Resp: 1089419
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 24.5 19.4 29.0

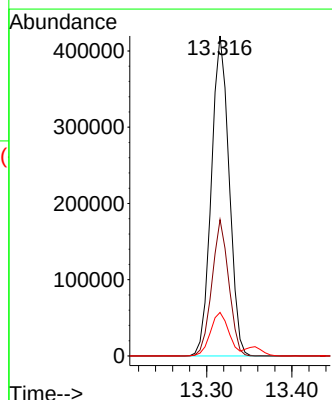
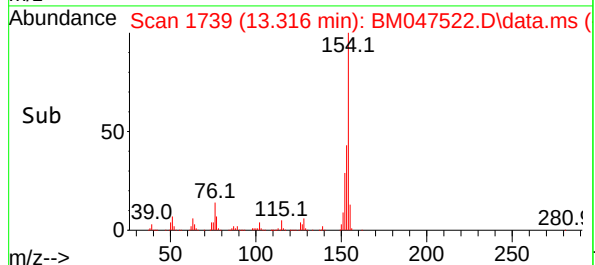
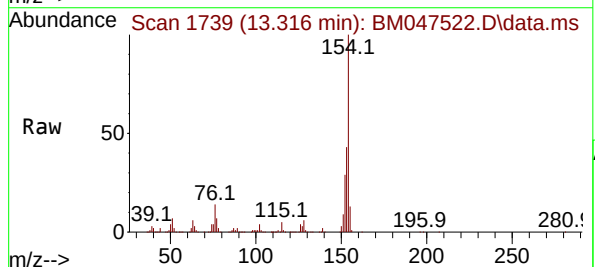
Manual Integrations
APPROVED

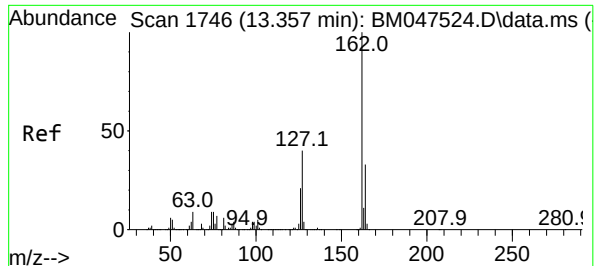
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

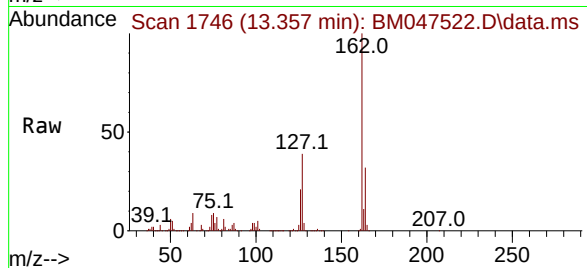
Tgt Ion:154 Resp: 608567
Ion Ratio Lower Upper
154 100
153 42.6 20.6 60.6
76 13.6 0.0 33.9





#47
2-Chloronaphthalene
Concen: 9.408 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

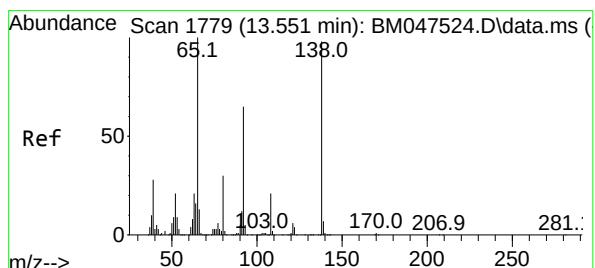
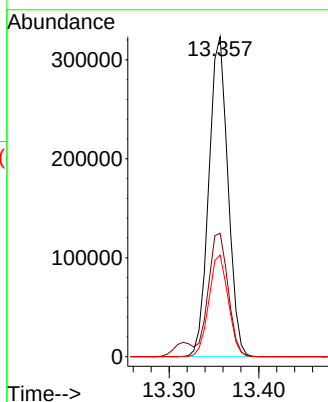
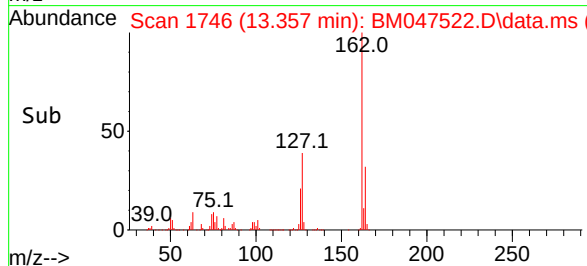
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



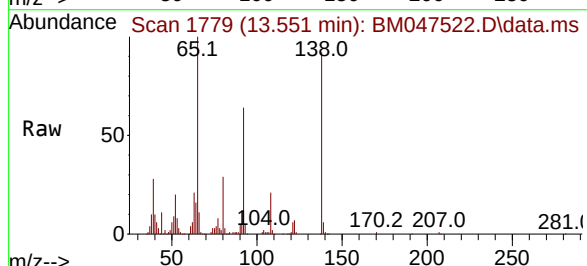
Tgt Ion:162 Resp: 478244
Ion Ratio Lower Upper
162 100
127 38.6 32.2 48.4
164 31.7 26.3 39.5

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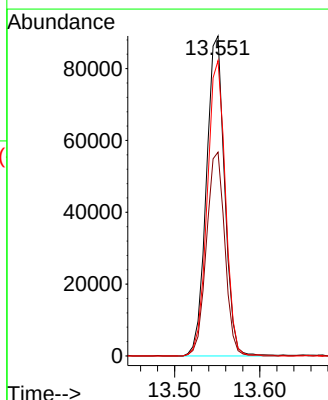
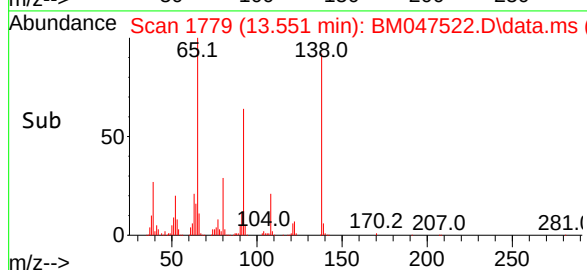
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

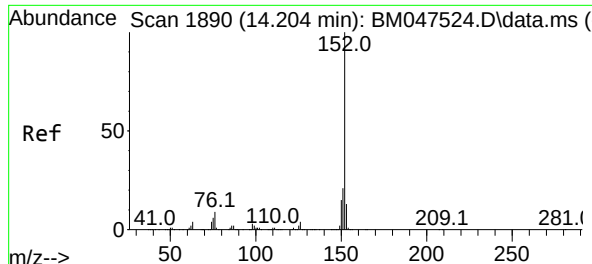


#48
2-Nitroaniline
Concen: 8.856 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



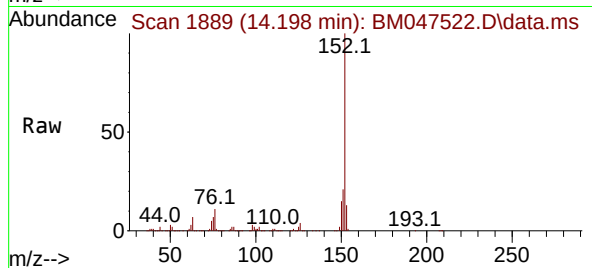
Tgt Ion: 65 Resp: 132239
Ion Ratio Lower Upper
65 100
92 63.7 51.9 77.9
138 92.3 78.5 117.7





#49
Acenaphthylene
Concen: 9.163 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

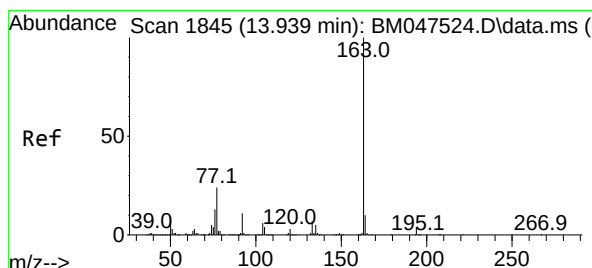
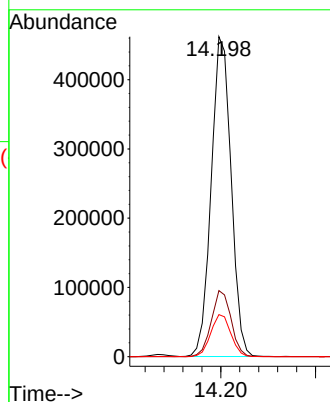
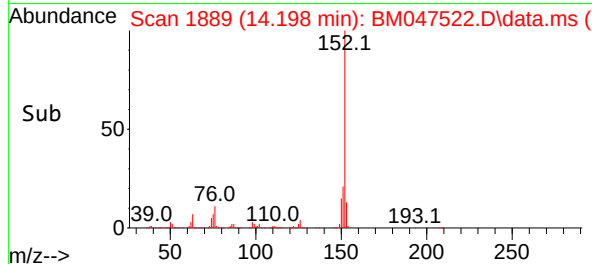
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

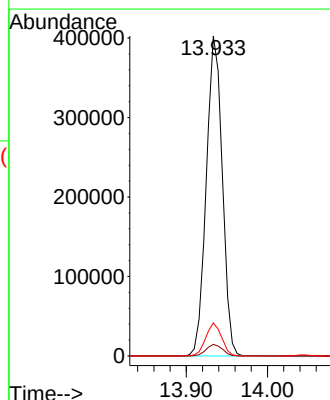
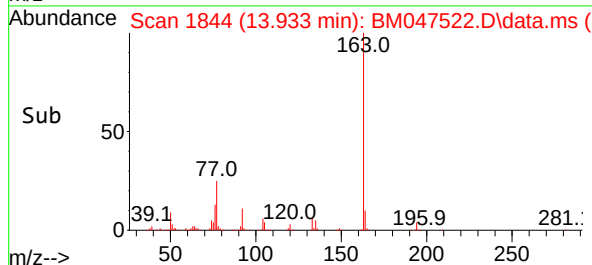
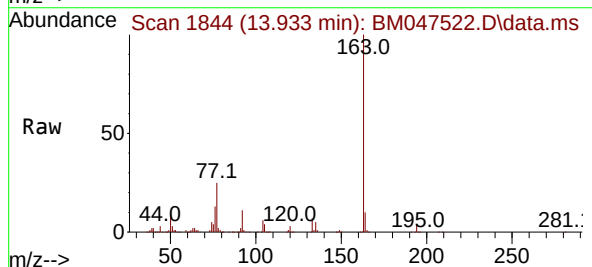
Manual Integrations
APPROVED

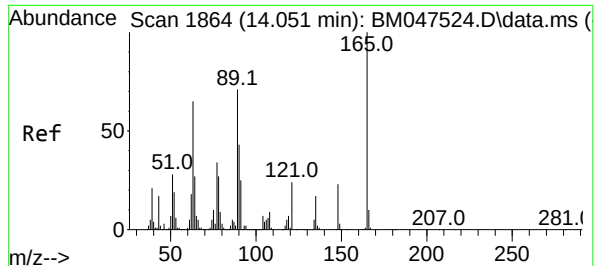
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

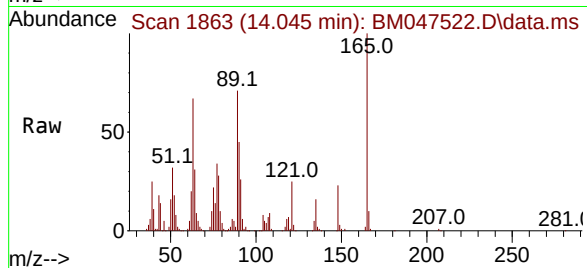
Tgt Ion:163 Resp: 550414
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 10.3 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 9.262 ng
RT: 14.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

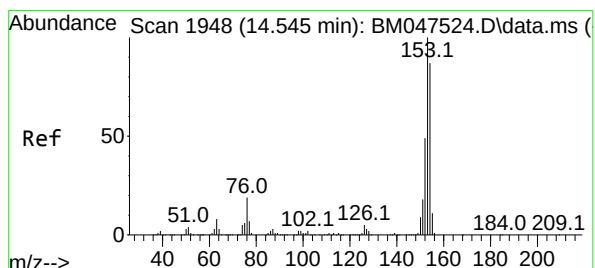
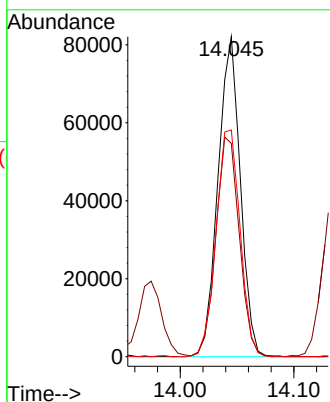
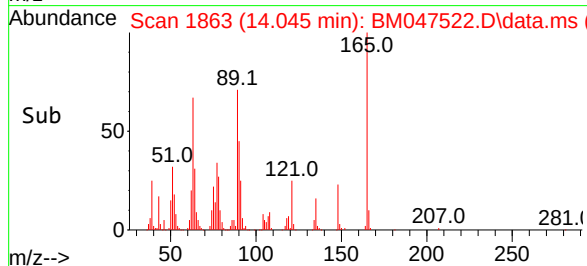
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 112135
Ion Ratio Lower Upper
165 100
63 66.7 54.2 81.2
89 70.8 56.4 84.6

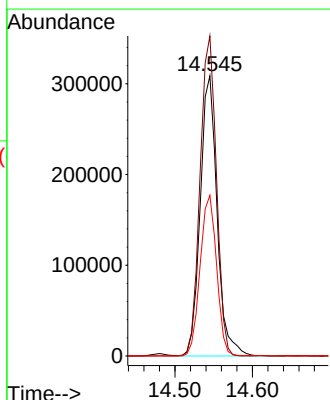
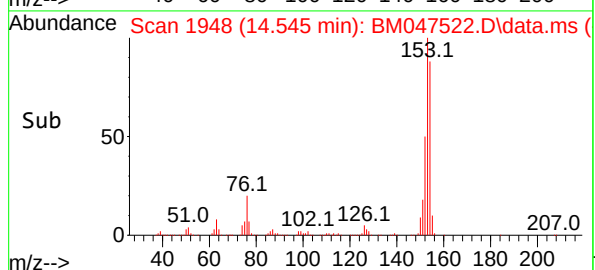
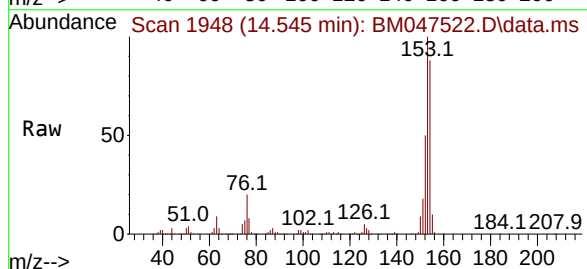
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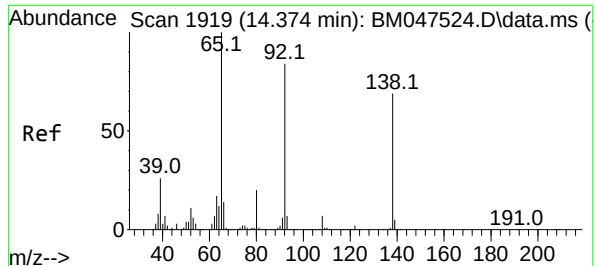
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





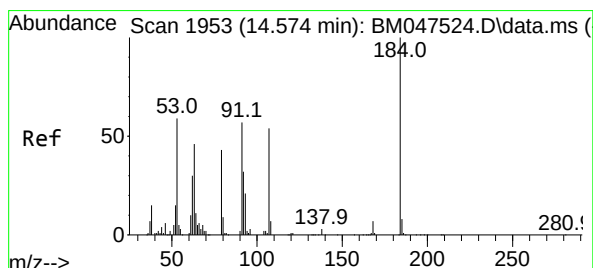
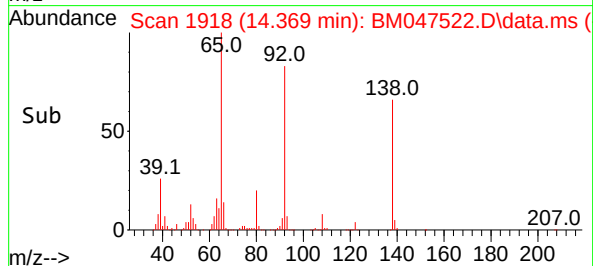
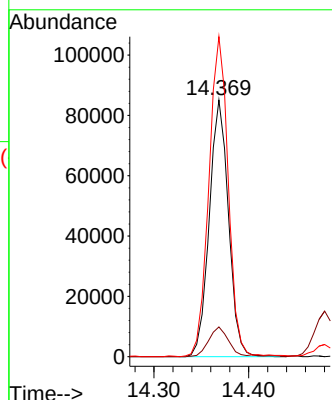
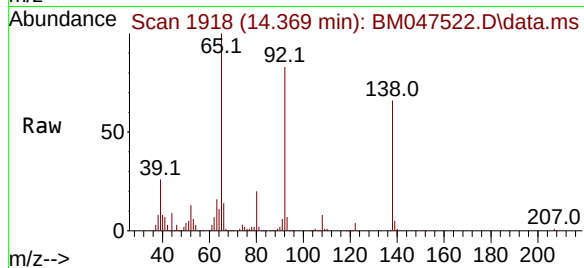
#53
3-Nitroaniline
Concen: 8.888 ng
RT: 14.369 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

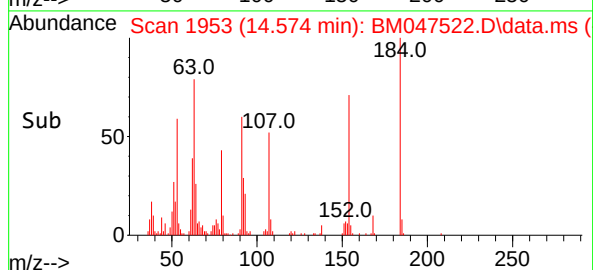
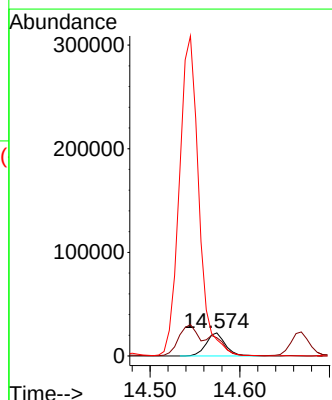
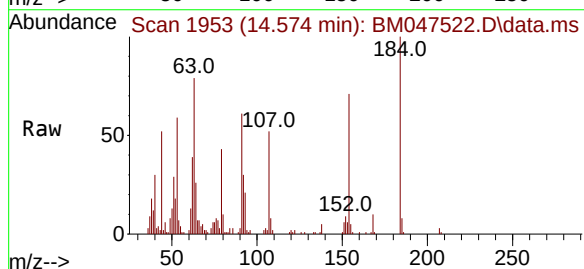
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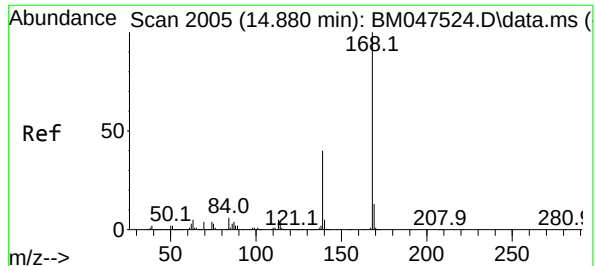
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 2005

Delta R.T. -0.006 min

Lab File: BM047522.D

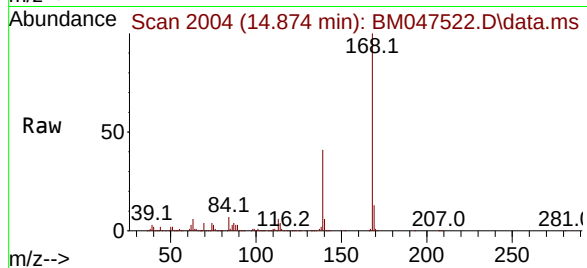
Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



Tgt Ion:168 Resp: 677080

Ion Ratio Lower Upper

168 100

139 41.1 31.9 47.9

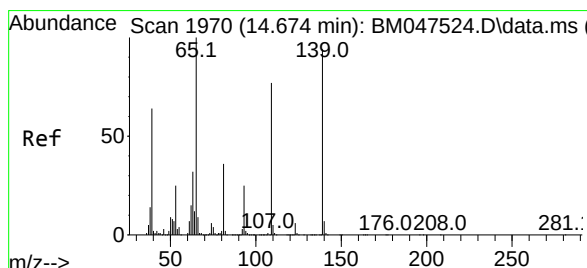
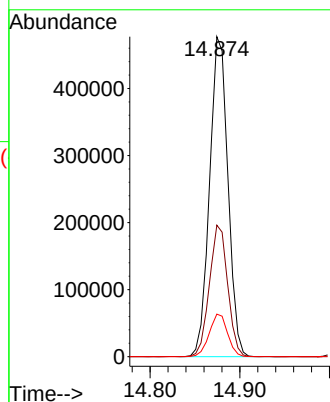
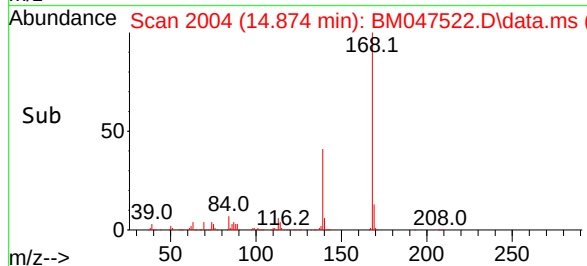
169 13.3 10.5 15.7

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#56

4-Nitrophenol

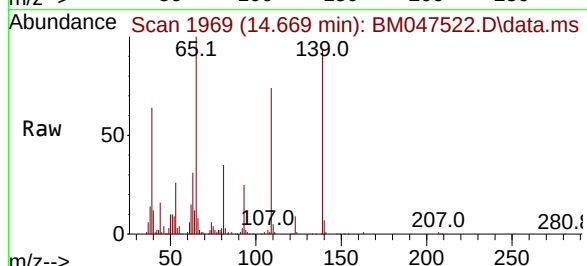
Concen: 8.794 ng

RT: 14.669 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16



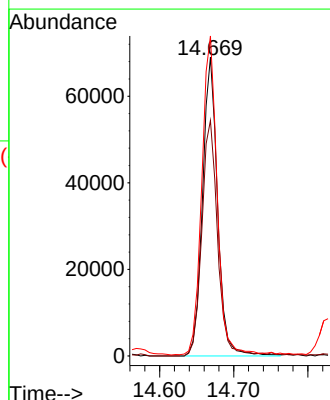
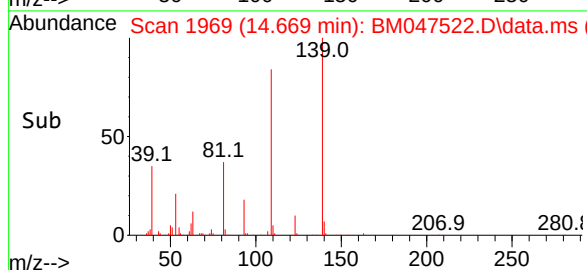
Tgt Ion:139 Resp: 97384

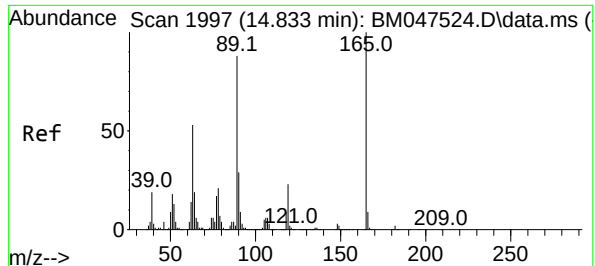
Ion Ratio Lower Upper

139 100

109 78.8 62.0 102.0

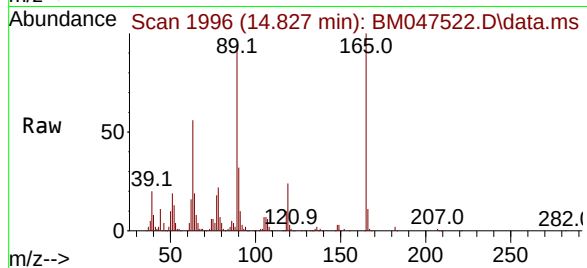
65 107.1 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 8.797 ng
RT: 14.827 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

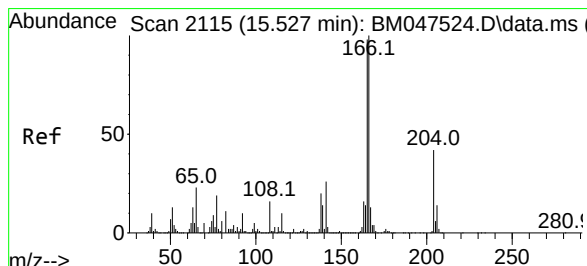
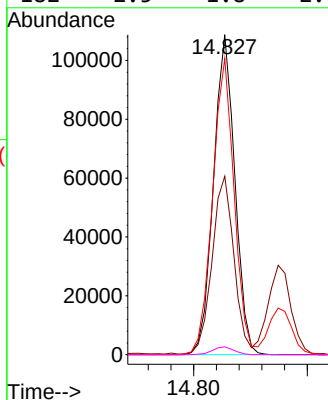
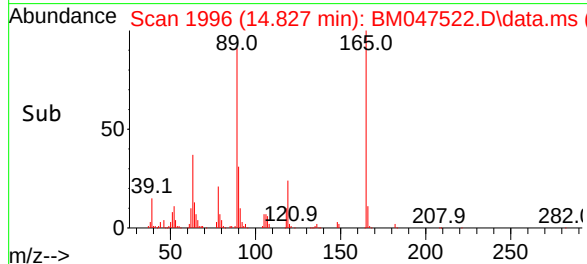
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



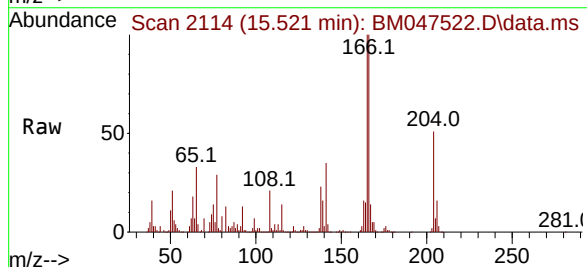
Tgt Ion:165 Resp: 142048
Ion Ratio Lower Upper
165 100
63 55.8 42.4 63.6
89 92.6 70.5 105.7
182 2.5 1.8 2.6

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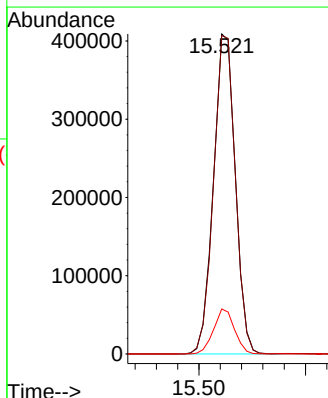
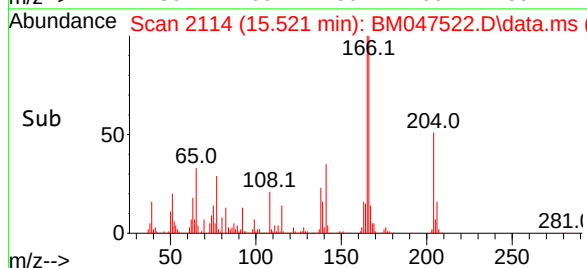
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

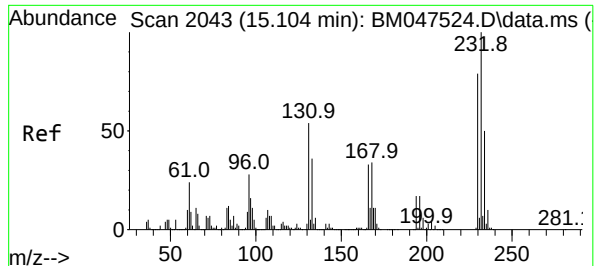


#58
Fluorene
Concen: 8.914 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



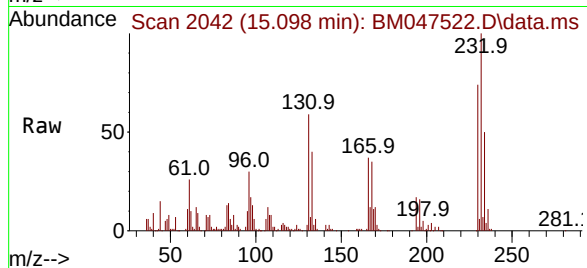
Tgt Ion:166 Resp: 579655
Ion Ratio Lower Upper
166 100
165 99.5 78.6 117.8
167 14.1 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.069 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

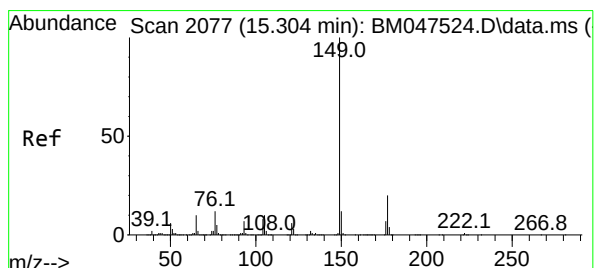
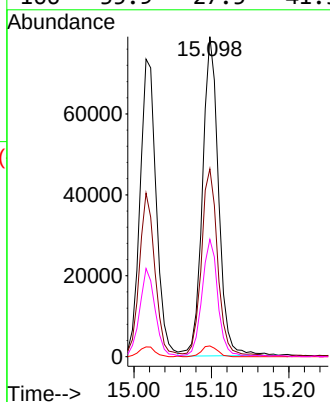
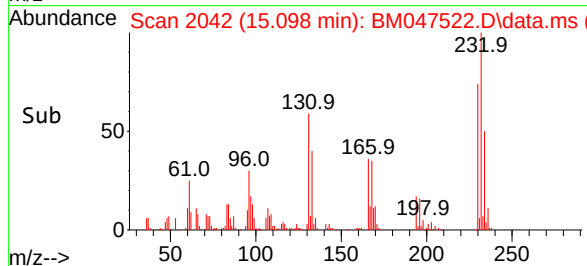
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 113929
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

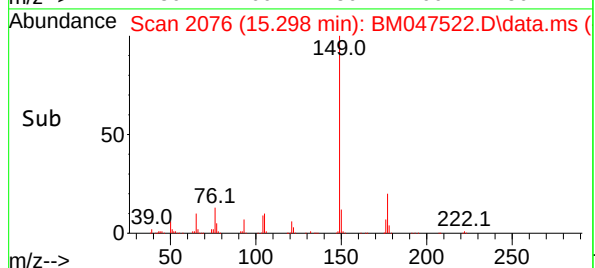
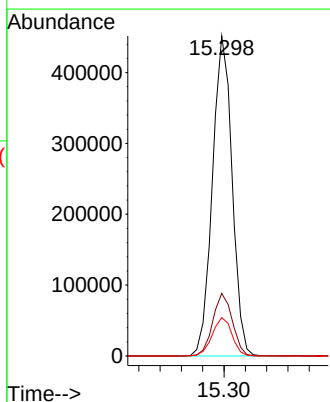
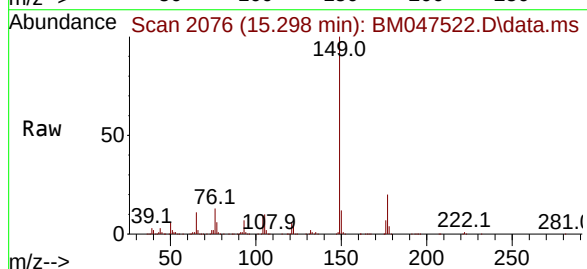
Manual Integrations
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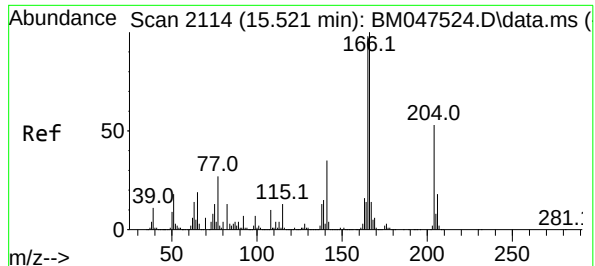
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

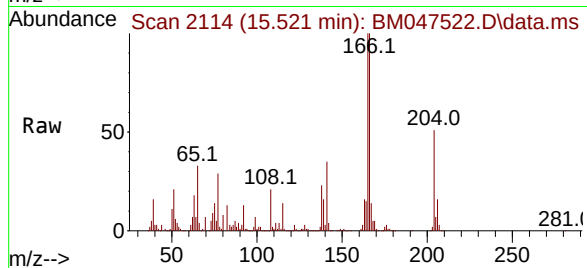
Tgt Ion:149 Resp: 578136
Ion Ratio Lower Upper
149 100
177 19.5 15.8 23.8
150 12.0 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 8.849 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

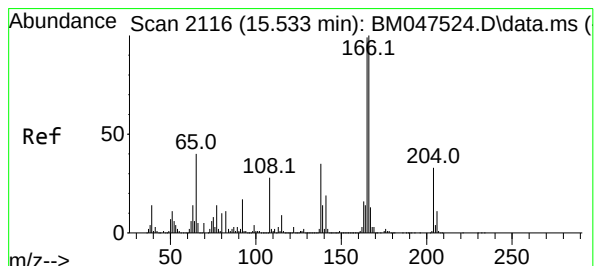
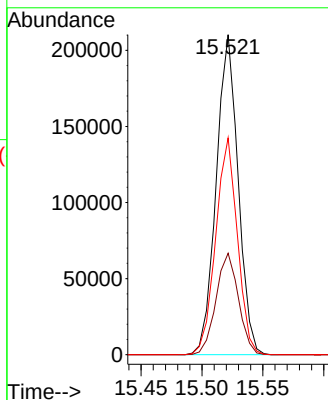
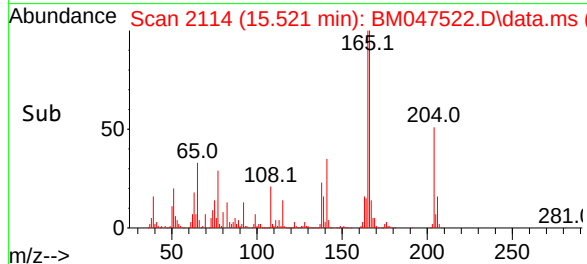
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:204 Resp: 263120
Ion Ratio Lower Upper
204 100
206 31.7 26.5 39.7
141 67.8 52.1 78.1

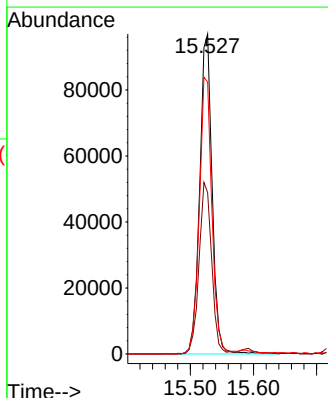
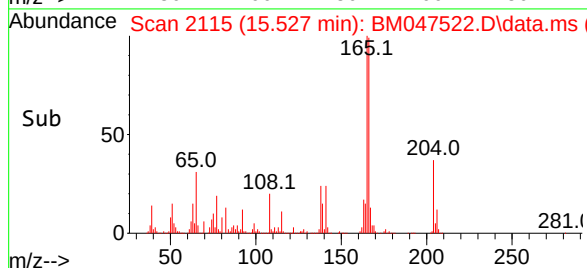
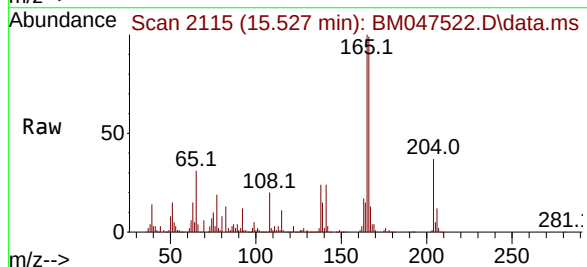
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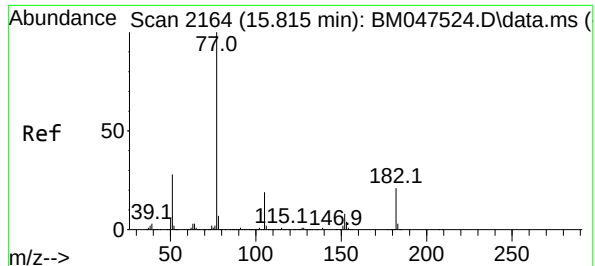
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

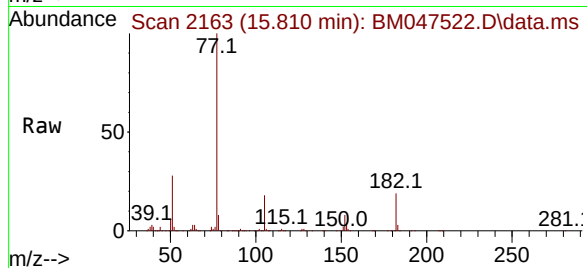
Tgt Ion:138 Resp: 132564
Ion Ratio Lower Upper
138 100
92 50.4 30.0 70.0
108 85.0 61.7 101.7





#63
Azobenzene
Concen: 9.759 ng
RT: 15.810 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

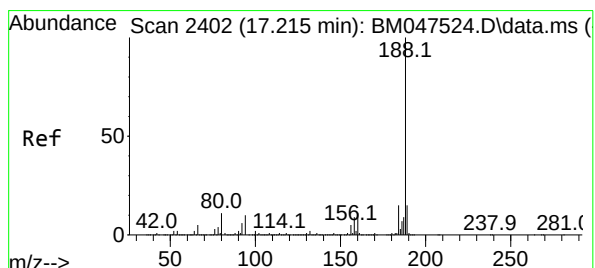
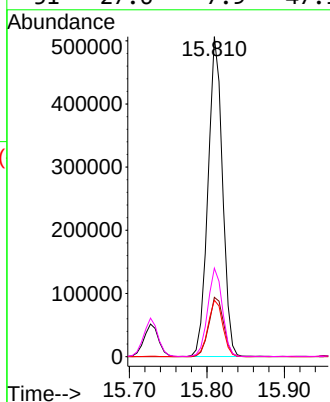
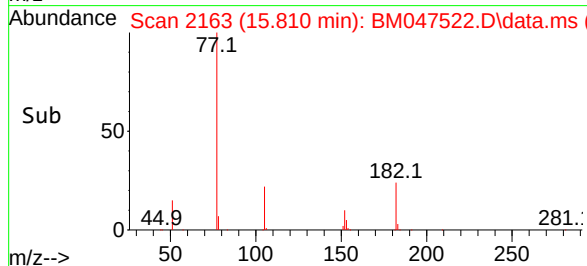
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

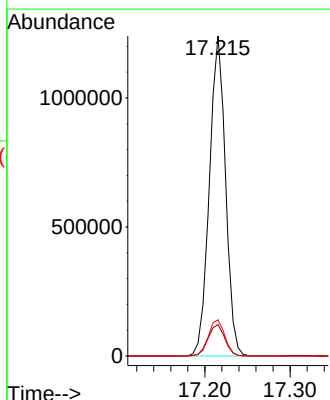
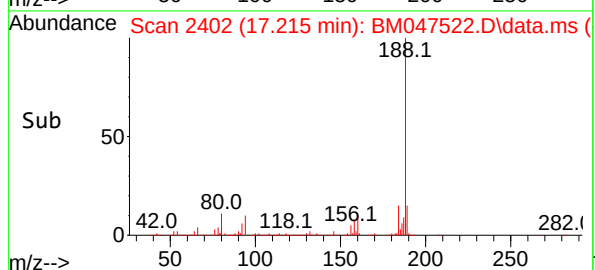
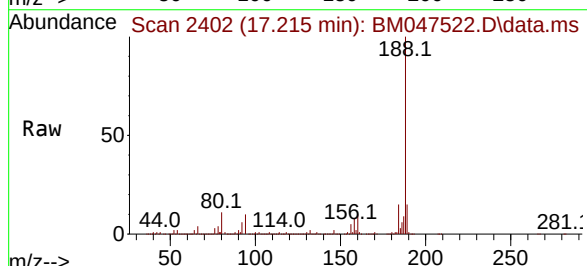
Manual Integrations
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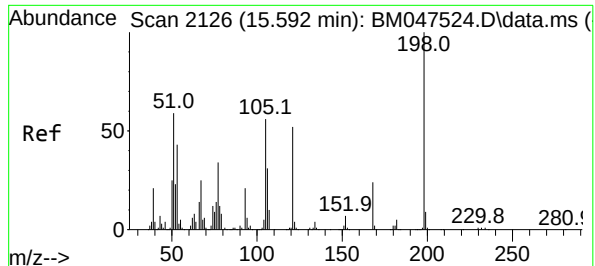
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

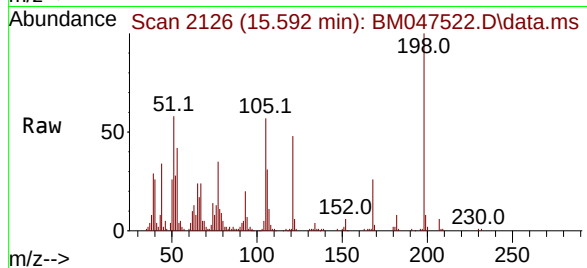
Tgt Ion:188 Resp: 1630578
Ion Ratio Lower Upper
188 100
94 9.8 8.4 12.6
80 11.3 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 12.260 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

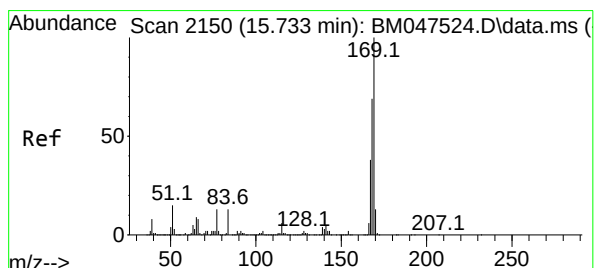
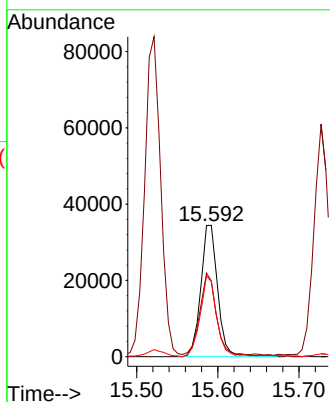
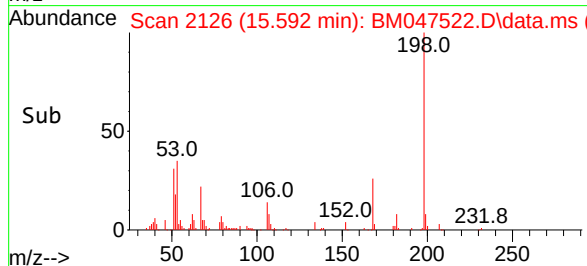
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



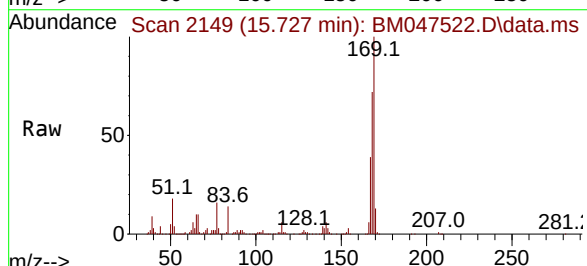
Tgt Ion:198 Resp: 49684
Ion Ratio Lower Upper
198 100
51 57.7 41.5 81.5
105 57.2 36.4 76.4

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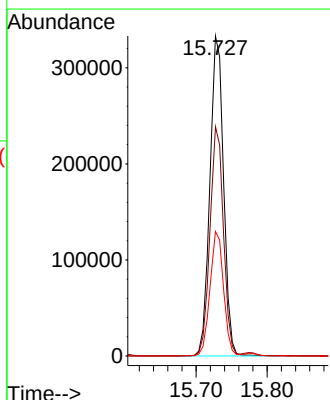
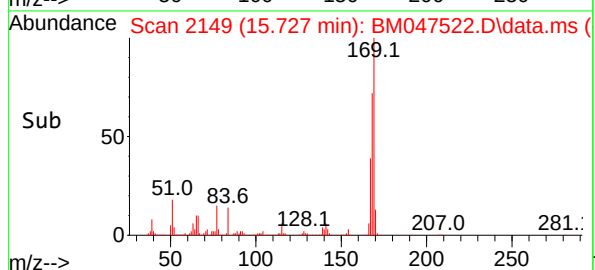
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

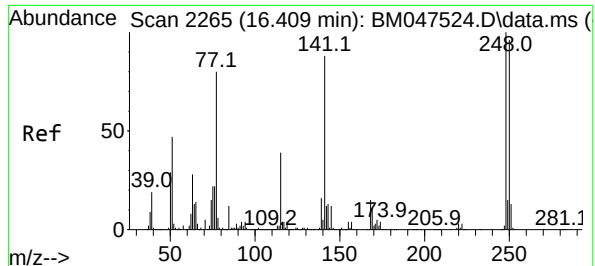


#66
n-Nitrosodiphenylamine
Concen: 8.925 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



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# 21

Delta R.T. 0.000 min

Lab File: BM047522.D

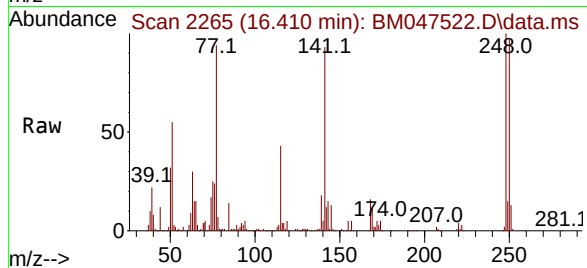
Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



Tgt Ion:248 Resp: 13844

Ion Ratio Lower Upper

248 100

250 97.3 76.9 115.3

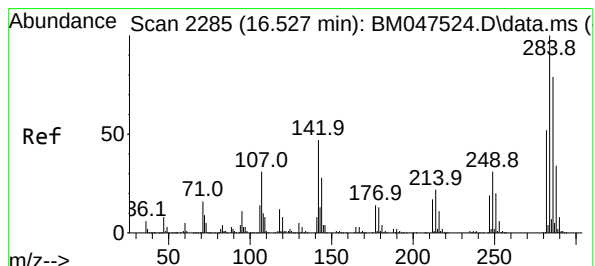
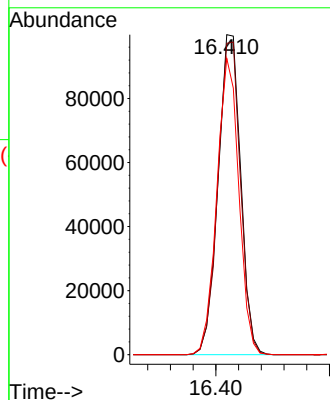
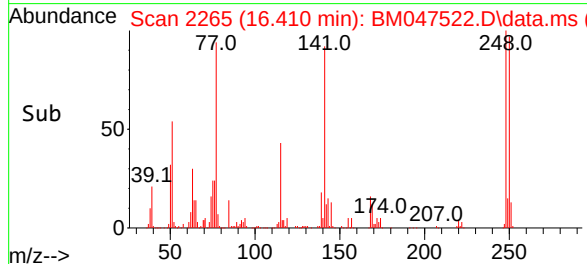
141 92.6 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#68

Hexachlorobenzene

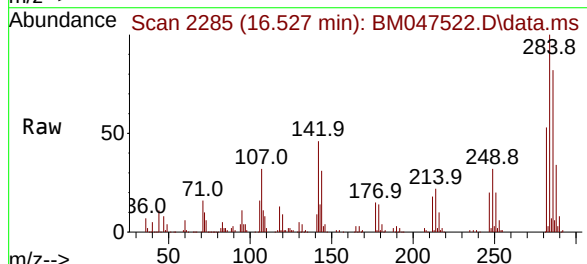
Concen: 8.922 ng

RT: 16.527 min Scan# 2285

Delta R.T. 0.000 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16



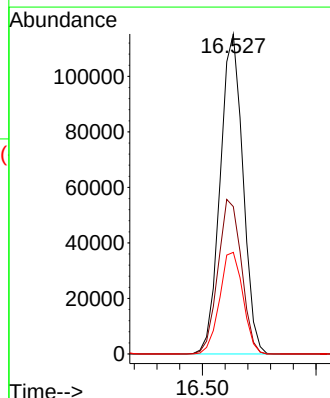
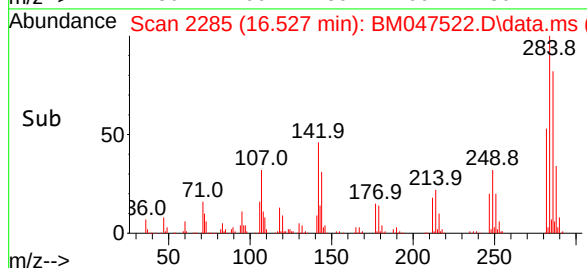
Tgt Ion:284 Resp: 160144

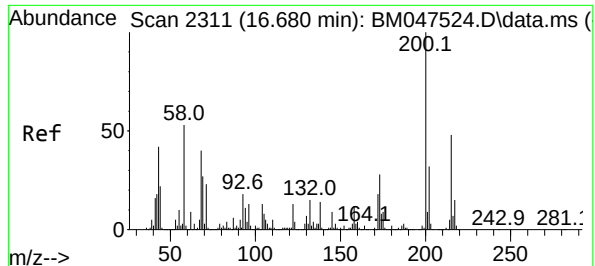
Ion Ratio Lower Upper

284 100

142 46.1 37.3 55.9

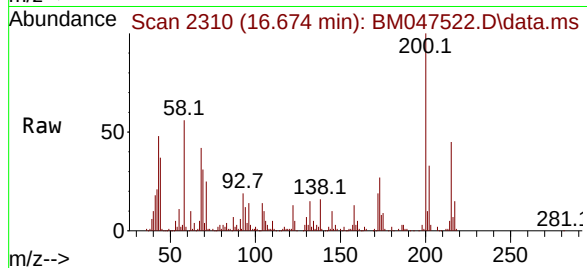
249 31.7 24.5 36.7





#69
Atrazine
Concen: 9.145 ng
RT: 16.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

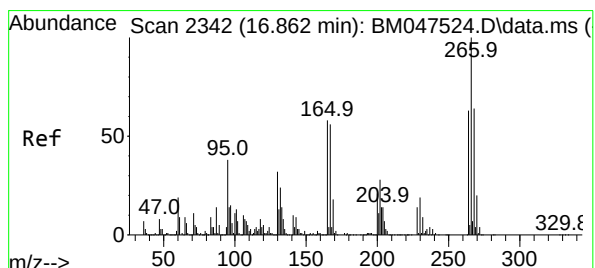
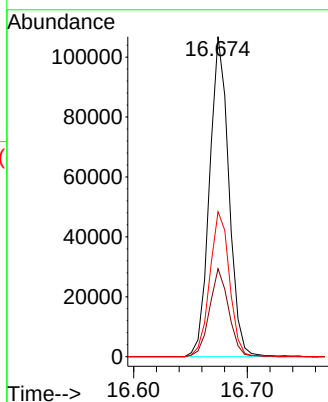
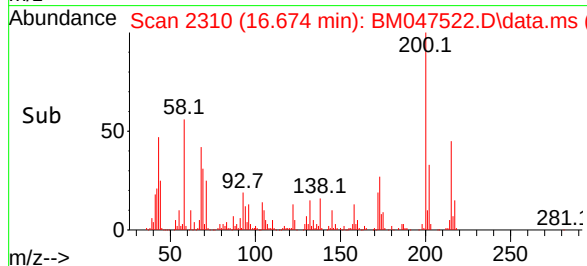
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



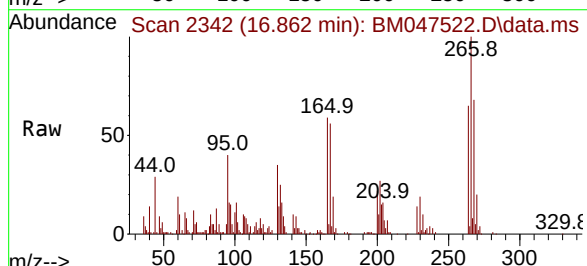
Tgt Ion:200 Resp: 126080
Ion Ratio Lower Upper
200 100
173 27.5 7.7 47.7
215 45.3 27.9 67.9

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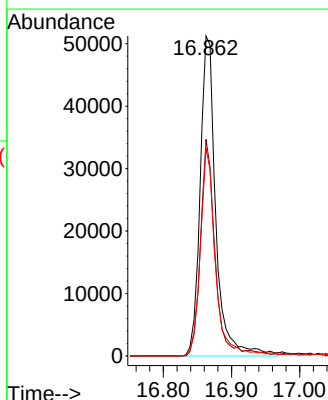
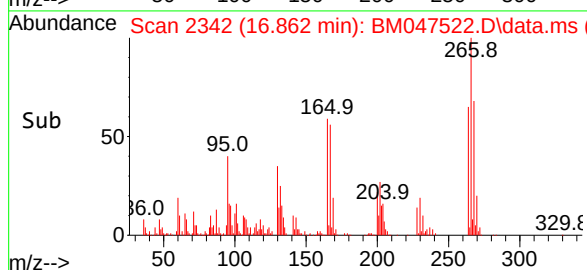
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

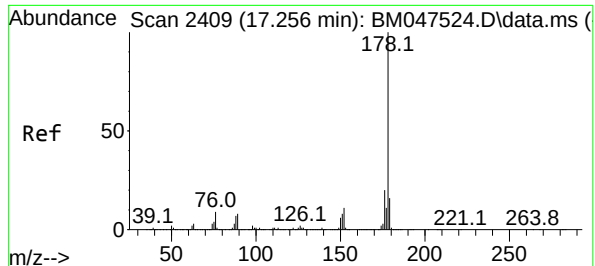


#70
Pentachlorophenol
Concen: 7.890 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



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





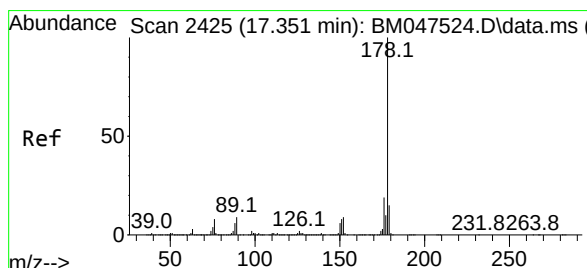
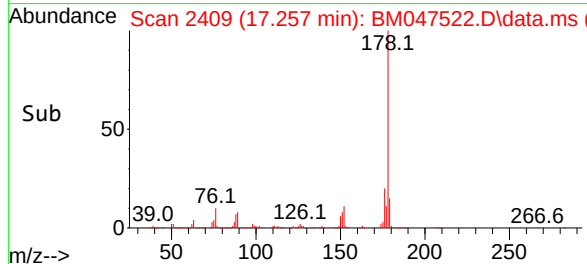
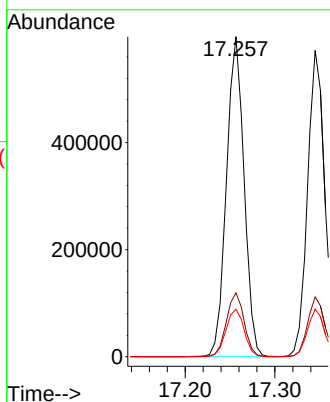
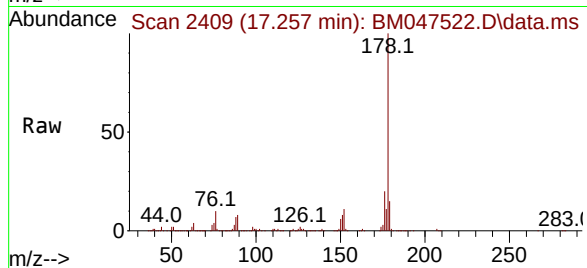
#71
Phenanthrene
Concen: 9.064 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 814480
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 14.8 12.4 18.6

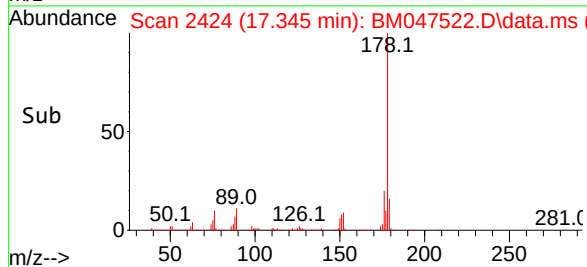
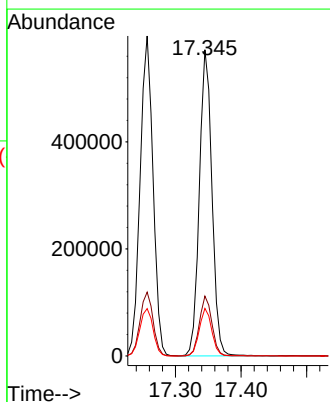
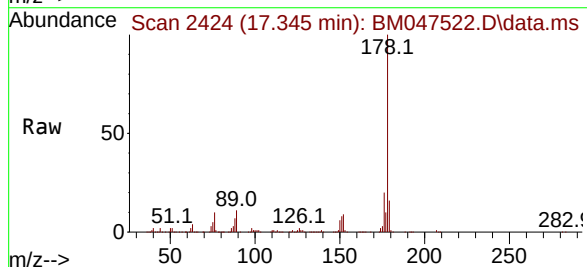
Manual Integrations
APPROVED

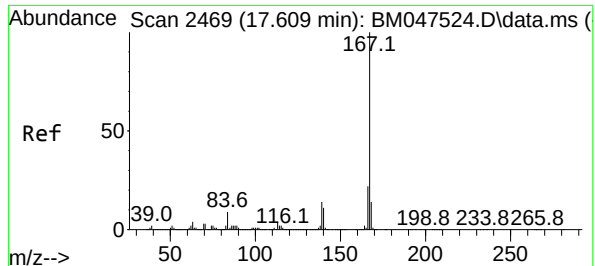
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

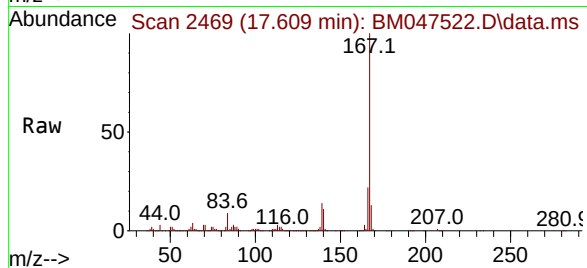
Tgt Ion:178 Resp: 765298
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.5 12.3 18.5





#73
Carbazole
Concen: 9.011 ng
RT: 17.609 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

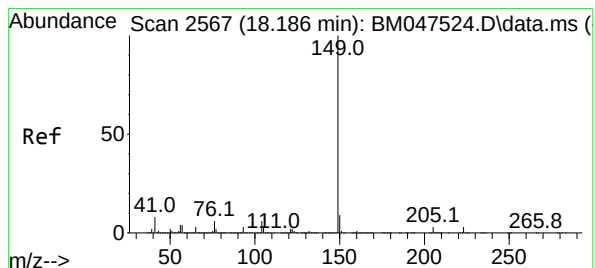
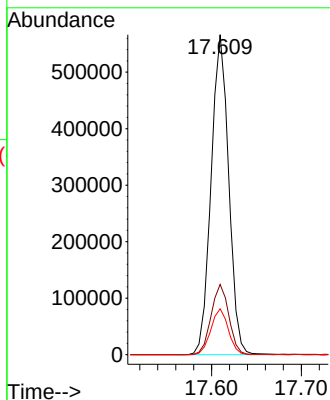
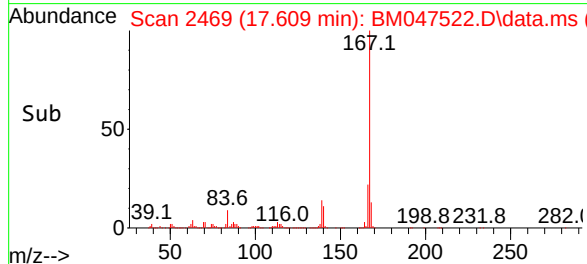
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



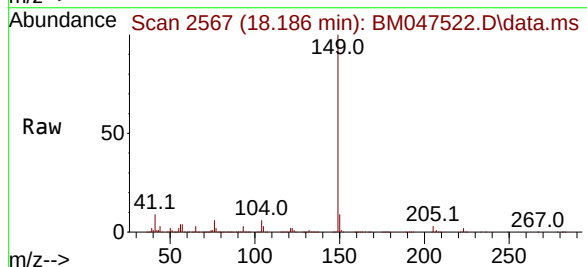
Tgt Ion:167 Resp: 770982
Ion Ratio Lower Upper
167 100
166 21.9 17.8 26.8
139 14.3 11.0 16.6

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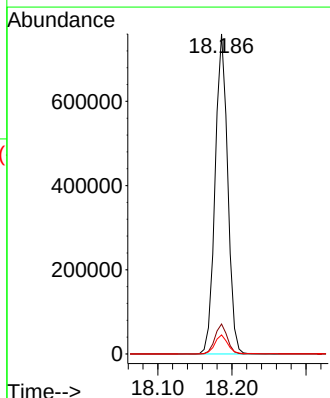
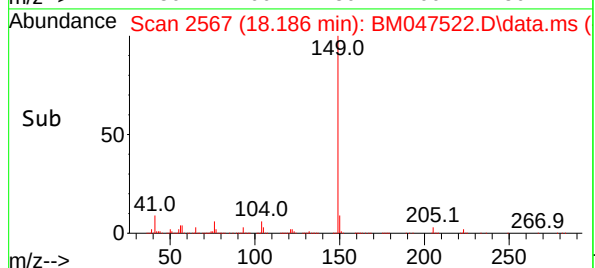
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

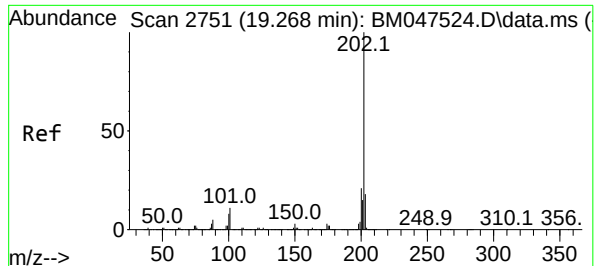


#74
Di-n-butylphthalate
Concen: 8.736 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



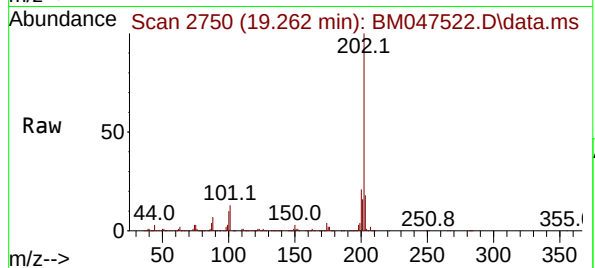
Tgt Ion:149 Resp: 894326
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 6.0 4.6 6.8





#75
Fluoranthene
Concen: 8.684 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

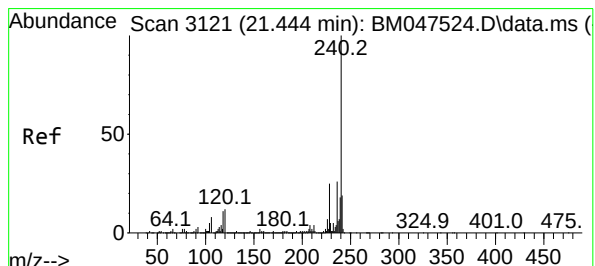
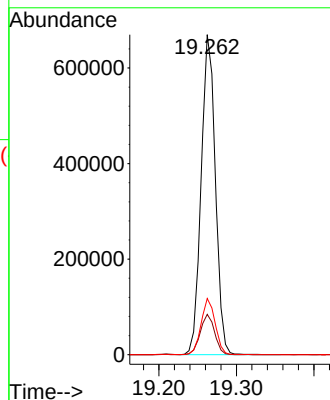
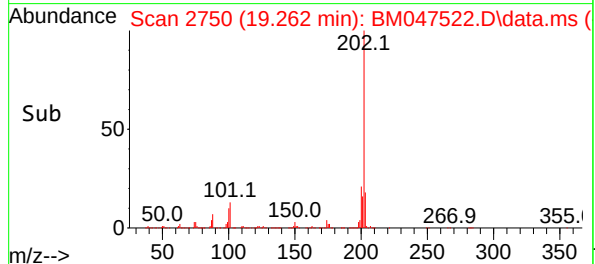
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 851410
Ion Ratio Lower Upper
202 100
101 12.6 0.0 30.8
203 17.6 0.0 37.7

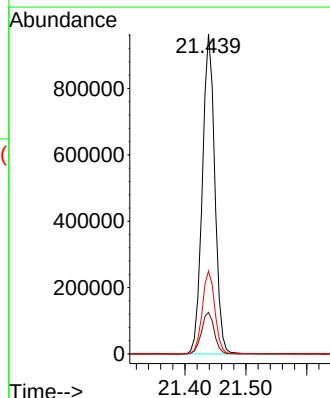
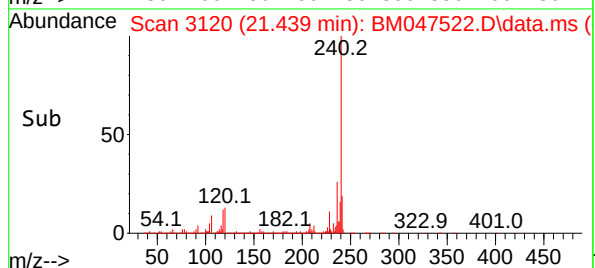
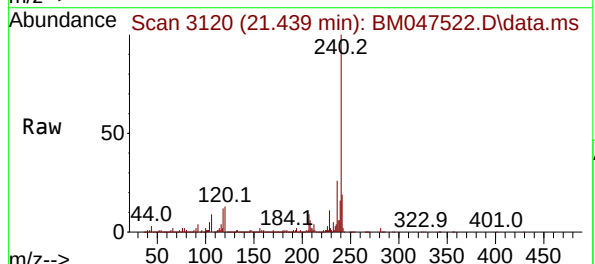
Manual Integrations
APPROVED

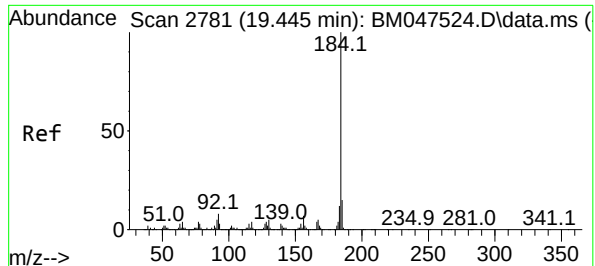
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

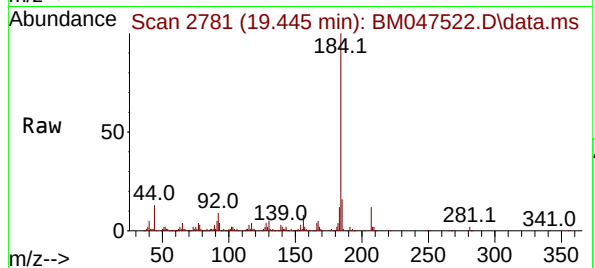
Tgt Ion:240 Resp: 1372489
Ion Ratio Lower Upper
240 100
120 13.0 9.6 14.4
236 26.0 20.9 31.3





#77
Benzidine
Concen: 11.370 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

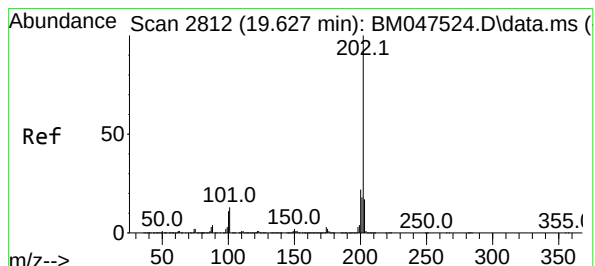
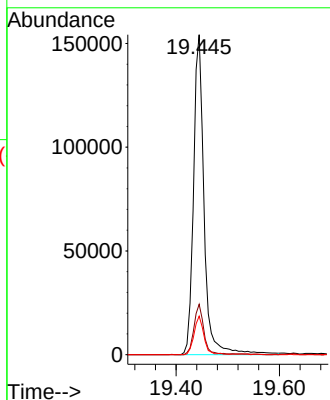
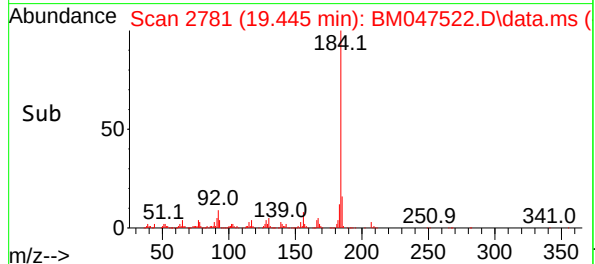
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 219784
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 12.1 9.6 14.4

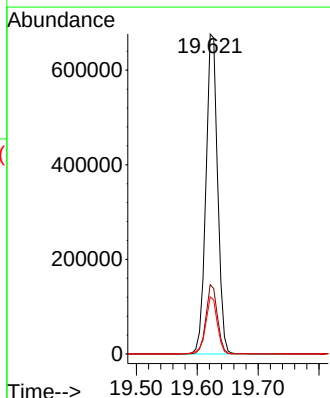
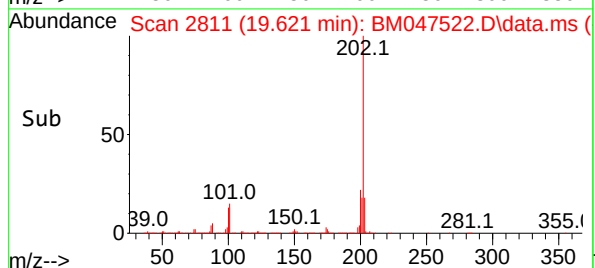
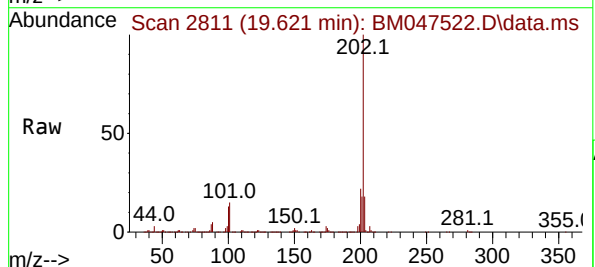
Manual Integrations
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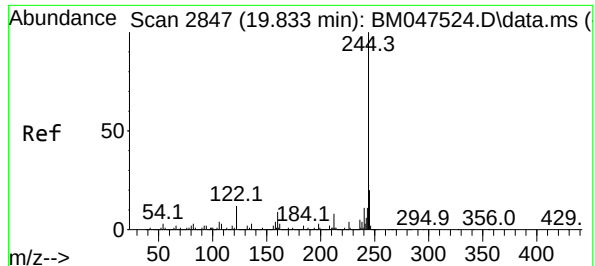
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

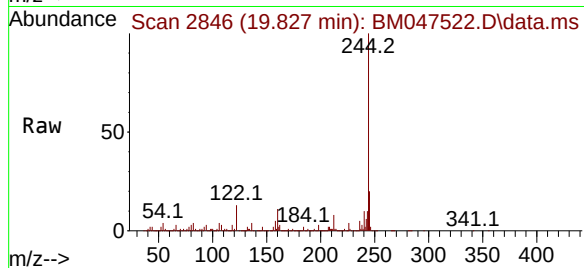
Tgt Ion:202 Resp: 903792
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 17.8 14.0 21.0





#79
Terphenyl-d14
Concen: 18.586 ng
RT: 19.827 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

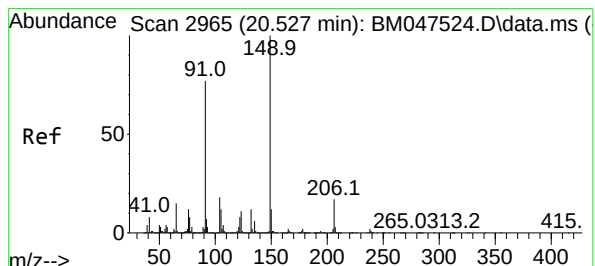
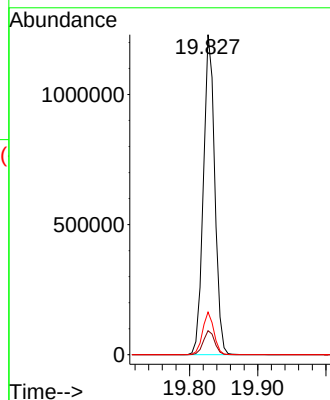
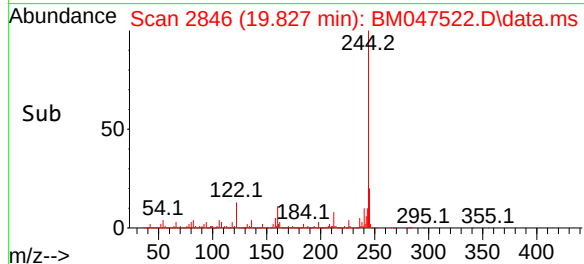
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



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

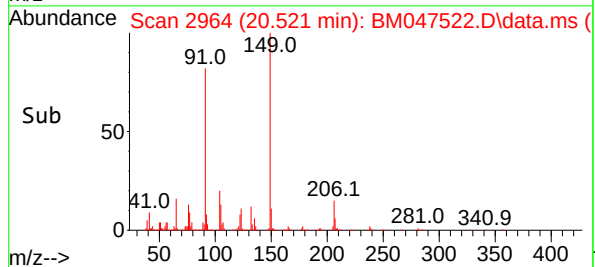
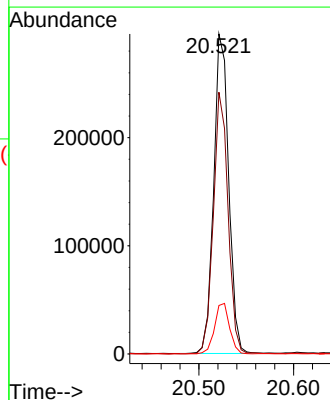
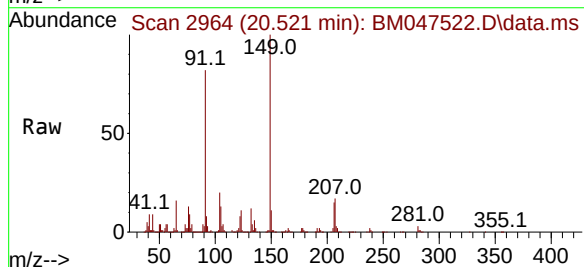
Manual Integrations
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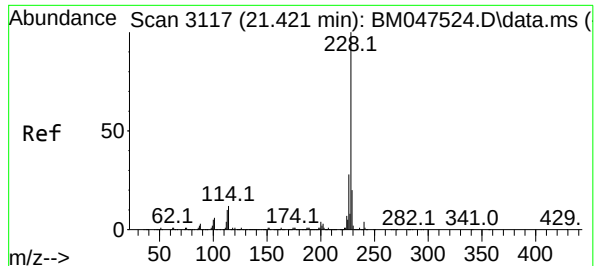
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

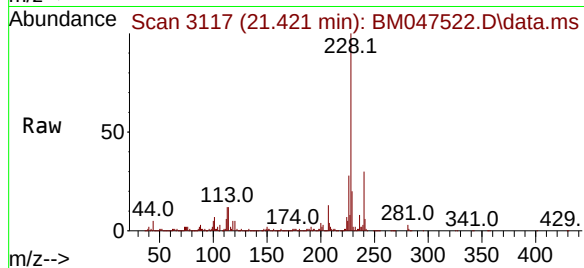
Tgt Ion:149 Resp: 325275
Ion Ratio Lower Upper
149 100
91 81.8 62.0 93.0
206 15.2 13.8 20.8





#81
Benzo(a)anthracene
Concen: 9.357 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

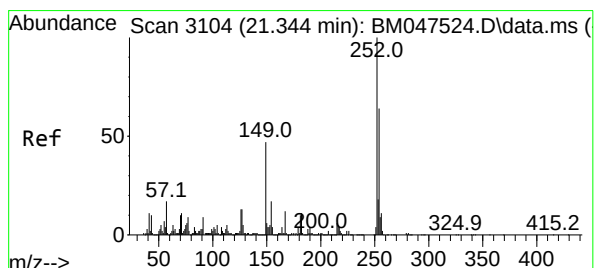
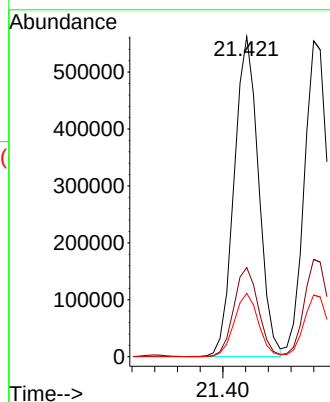
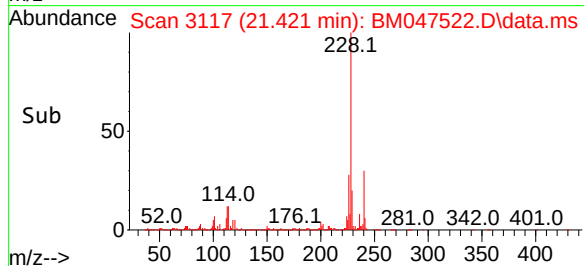
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 837070
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 19.8 16.0 24.0

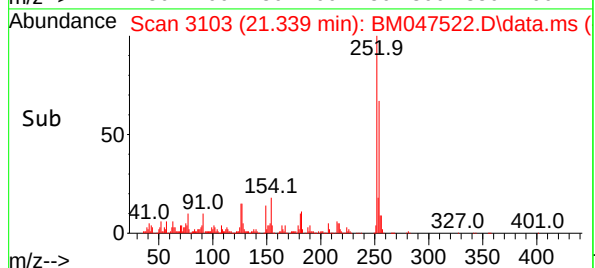
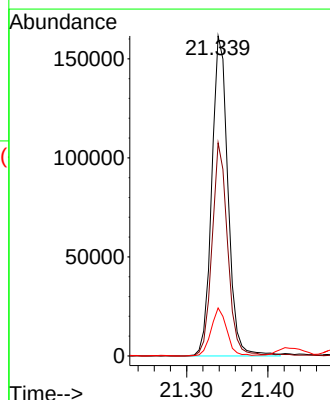
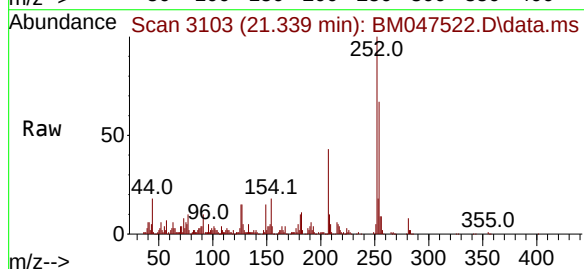
Manual Integrations
APPROVED

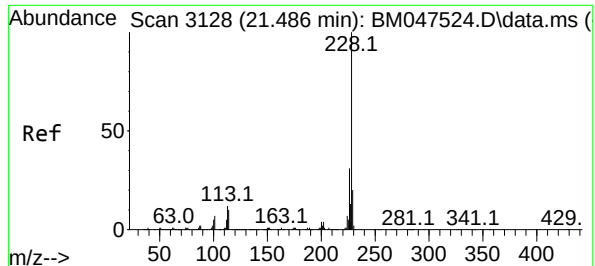
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

Tgt Ion:252 Resp: 223939
Ion Ratio Lower Upper
252 100
254 66.6 51.5 77.3
126 15.0 10.3 15.5





#83

Chrysene

Concen: 9.553 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM047522.D

Acq: 14 Sep 2024 13:16

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 808300

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

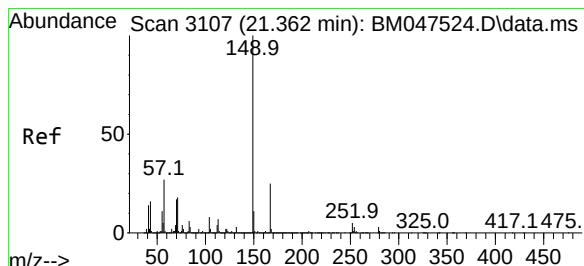
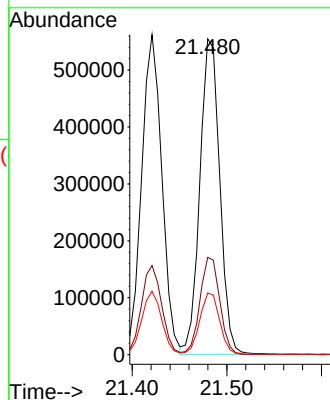
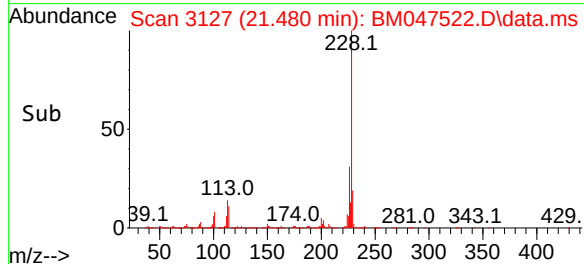
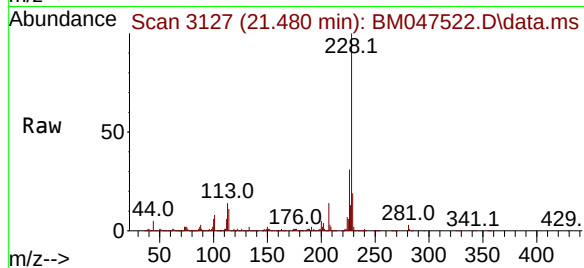
229 19.5 15.9 23.9

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

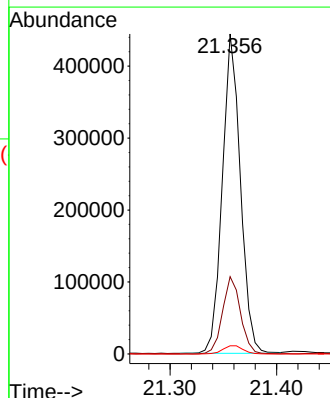
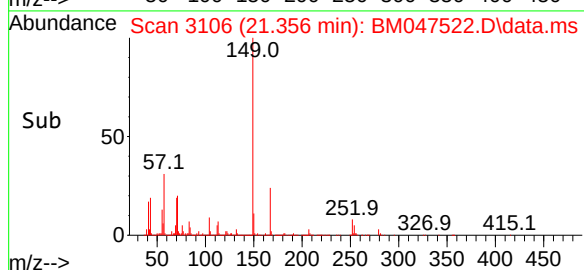
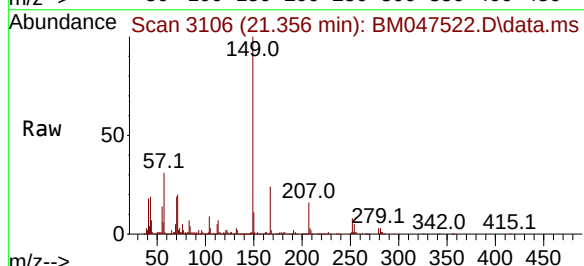
Tgt Ion:149 Resp: 522491

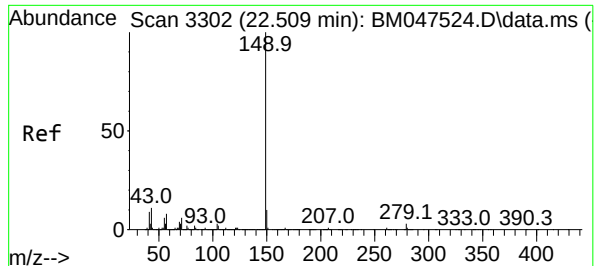
Ion Ratio Lower Upper

149 100

167 24.2 20.2 30.4

279 2.6 2.6 4.0#





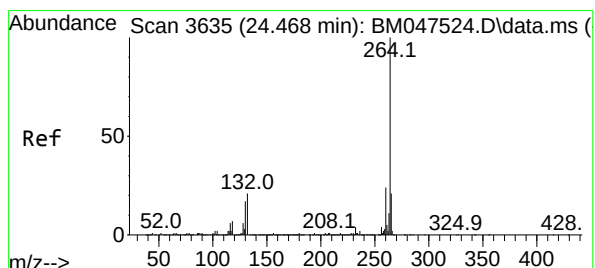
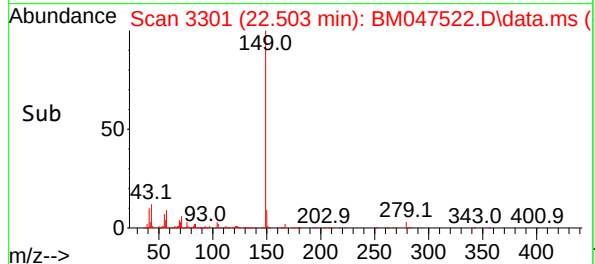
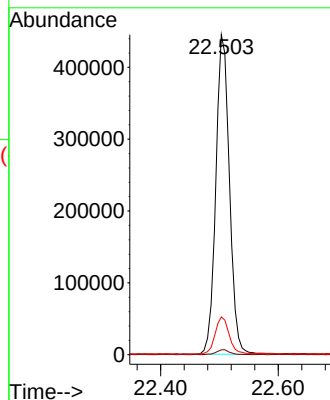
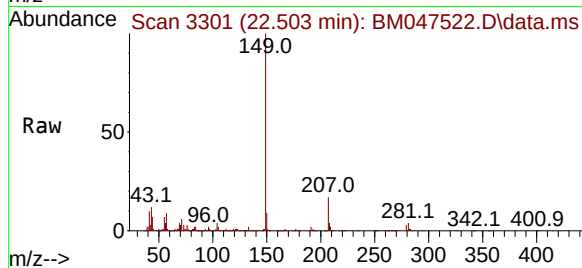
#85
Di-n-octyl phthalate
Concen: 8.380 ng
RT: 22.503 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 715600
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 12.1 8.9 13.3

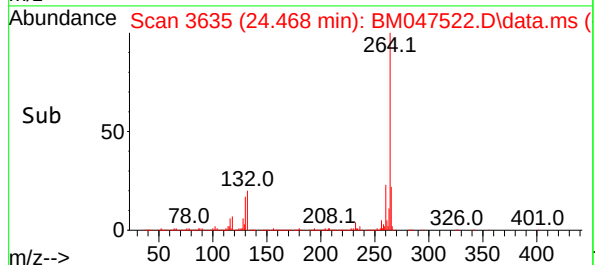
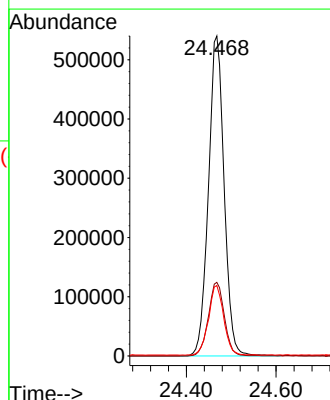
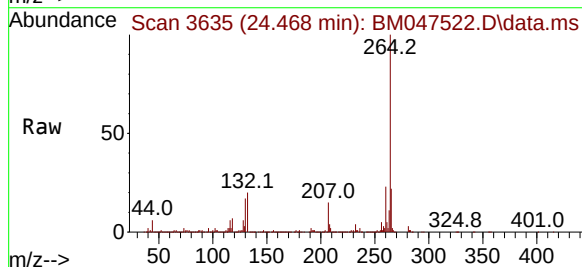
Manual Integrations
APPROVED

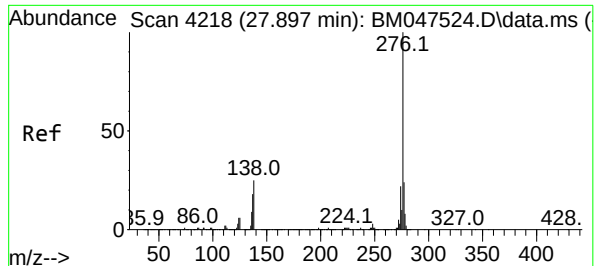
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

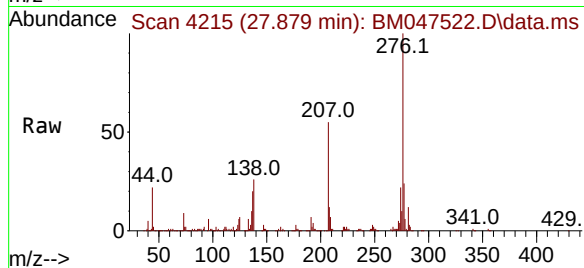
Tgt Ion:264 Resp: 1311119
Ion Ratio Lower Upper
264 100
260 23.0 18.9 28.3
265 22.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.979 ng
RT: 27.879 min Scan# 41
Delta R.T. -0.018 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

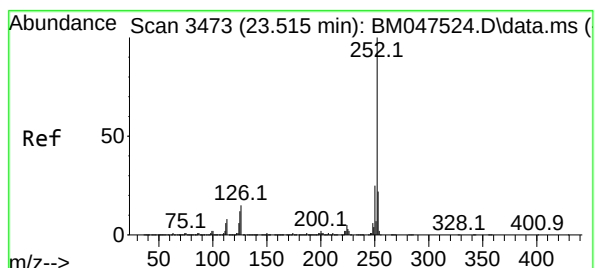
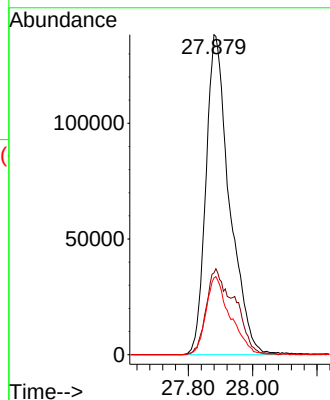
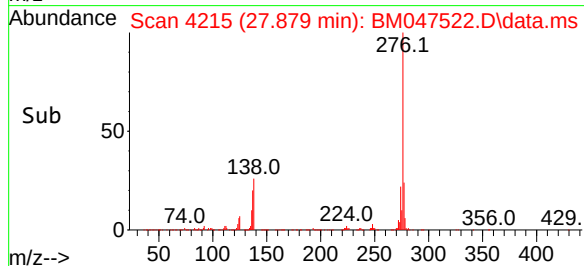
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



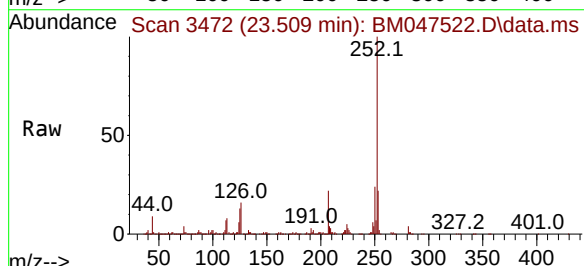
Tgt Ion:276 Resp: 70455
Ion Ratio Lower Upper
276 100
138 32.4 25.0 37.6
277 25.0 20.1 30.1

Manual Integrations
APPROVED

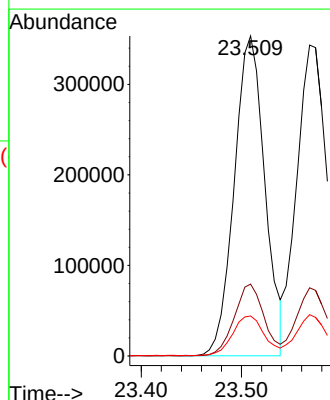
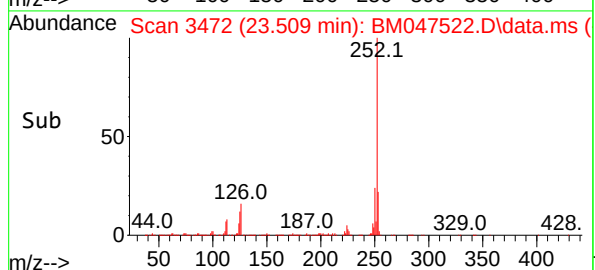
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

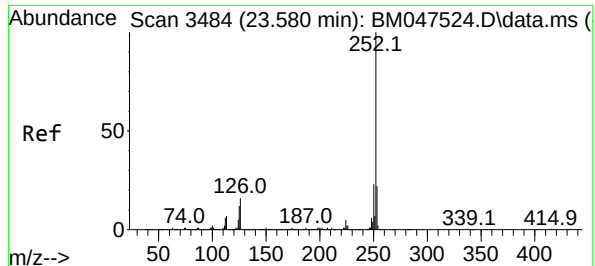


#88
Benzo(b)fluoranthene
Concen: 8.823 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16



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

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 741238

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

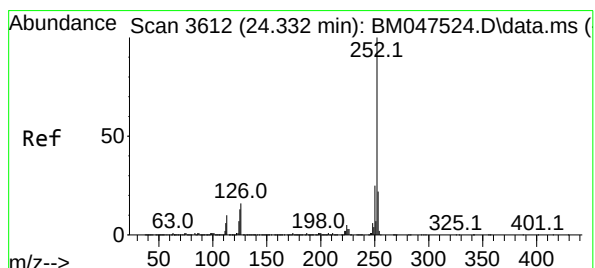
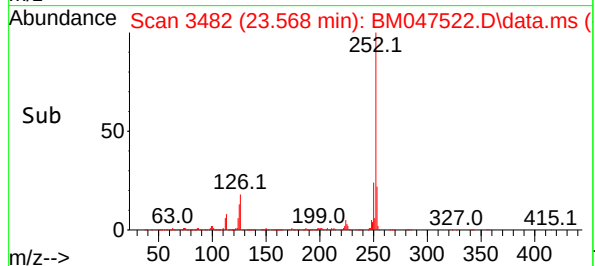
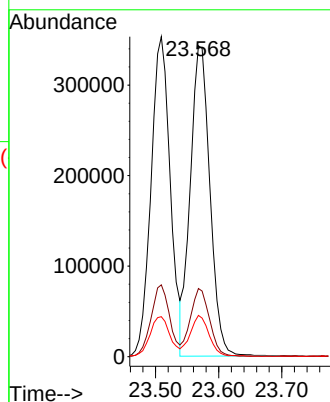
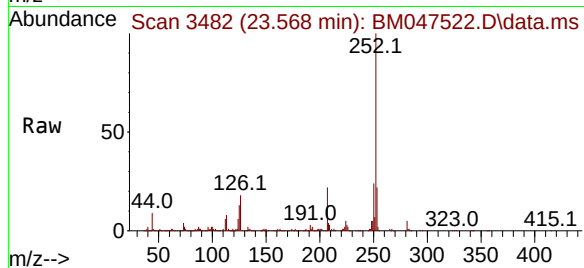
125 13.3 9.5 14.3

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

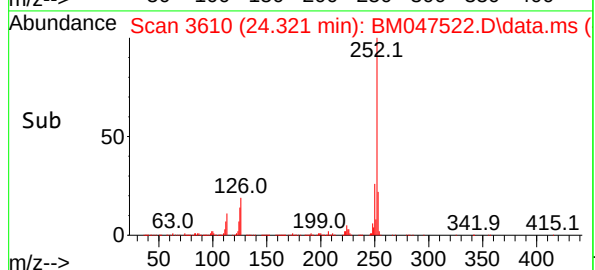
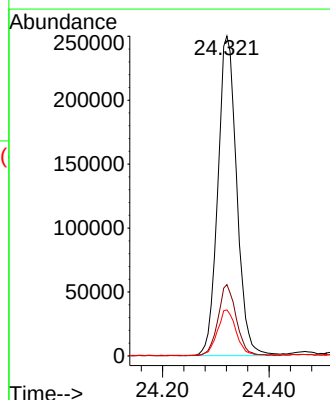
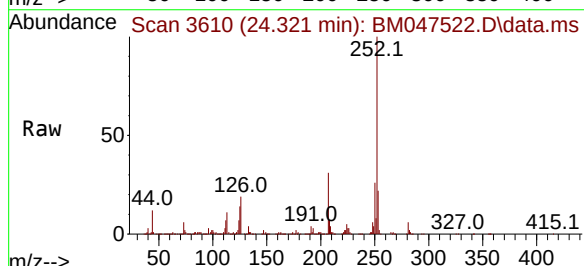
Tgt Ion:252 Resp: 616575

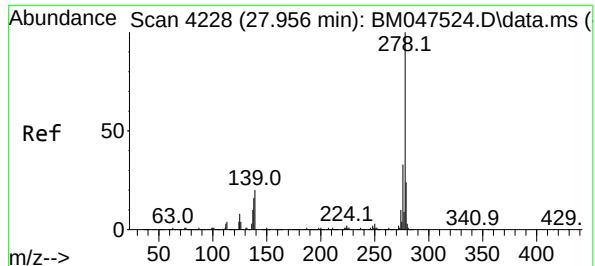
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

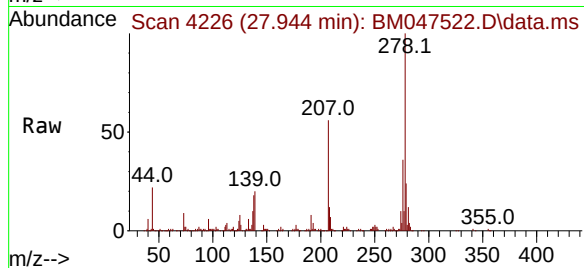
125 14.4 10.2 15.4





#91
Dibenzo(a,h)anthracene
Concen: 8.876 ng
RT: 27.944 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

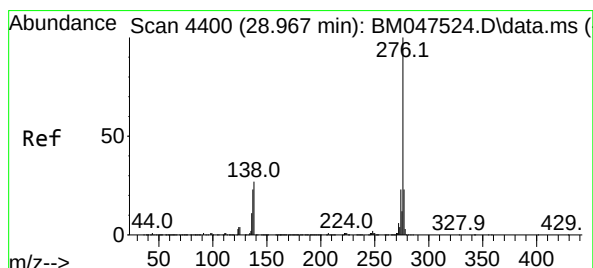
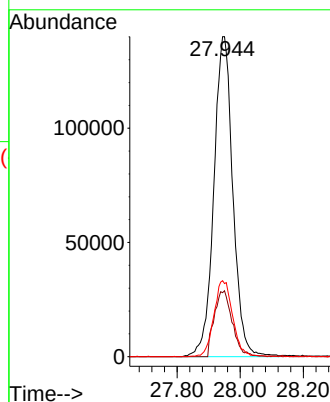
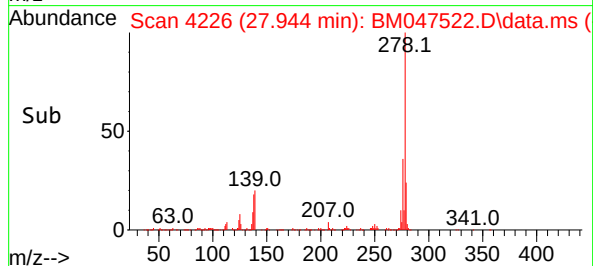
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



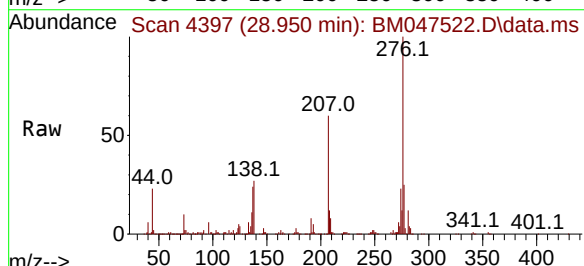
Tgt Ion:278 Resp: 585954
Ion Ratio Lower Upper
278 100
139 20.0 15.9 23.9
279 23.8 19.3 28.9

Manual Integrations
APPROVED

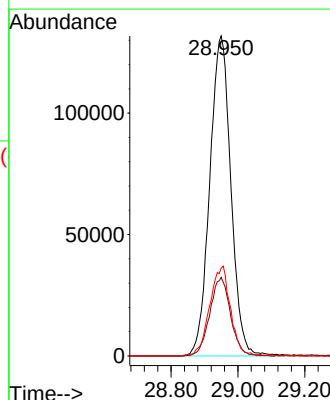
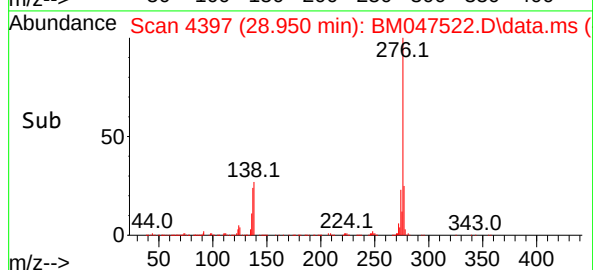
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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



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

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC020

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	342855	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	1526527	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	923702	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1751897	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1587065	20.000	ng	0.00
86) Perylene-d12	24.468	264	1465788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	842282	39.116	ng	0.00
7) Phenol-d6	7.005	99	1177575	38.832	ng	0.00
23) Nitrobenzene-d5	8.999	82	1222672	40.084	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	327422	36.672	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	2559019	38.163	ng	0.00
79) Terphenyl-d14	19.833	244	3625135	40.931	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.323	88	189333	20.528	ng	99
3) Pyridine	3.717	79	546657	19.917	ng	98
4) n-Nitrosodimethylamine	3.623	42	254521	20.433	ng	# 97
6) Aniline	7.169	93	536515	19.956	ng	99
8) 2-Chlorophenol	7.416	128	473252	19.936	ng	99
9) Benzaldehyde	6.987	77	340293	23.600	ng	97
10) Phenol	7.034	94	598992	19.727	ng	98
11) bis(2-Chloroethyl)ether	7.269	93	488762	20.050	ng	99
12) 1,3-Dichlorobenzene	7.740	146	513128	19.749	ng	97
13) 1,4-Dichlorobenzene	7.887	146	524273	19.811	ng	99
14) 1,2-Dichlorobenzene	8.205	146	515238	19.783	ng	99
15) Benzyl Alcohol	8.081	79	408249	19.875	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.381	45	707847	20.643	ng	99
17) 2-Methylphenol	8.287	107	386855	19.944	ng	99
18) Hexachloroethane	8.934	117	214917	20.329	ng	97
19) n-Nitroso-di-n-propyla...	8.652	70	421768	20.628	ng	99
20) 3+4-Methylphenols	8.610	107	545591	20.158	ng	99
22) Acetophenone	8.669	105	792471	19.746	ng	# 99
24) Nitrobenzene	9.046	77	636650	20.312	ng	99
25) Isophorone	9.575	82	1076607	20.077	ng	99
26) 2-Nitrophenol	9.757	139	203827	19.084	ng	97
27) 2,4-Dimethylphenol	9.816	122	322430	19.915	ng	98
28) bis(2-Chloroethoxy)met...	10.052	93	673940	20.008	ng	98
29) 2,4-Dichlorophenol	10.287	162	405385	19.708	ng	98
30) 1,2,4-Trichlorobenzene	10.510	180	458554	19.461	ng	98
31) Naphthalene	10.699	128	1612176	19.555	ng	100
32) Benzoic acid	9.916	122	237561	19.433	ng	94
33) 4-Chloroaniline	10.799	127	593631	19.915	ng	98
34) Hexachlorobutadiene	10.993	225	254856	19.528	ng	99
35) Caprolactam	11.557	113	137114	20.236	ng	98
36) 4-Chloro-3-methylphenol	11.916	107	465828	19.761	ng	100
37) 2-Methylnaphthalene	12.304	142	1058175	19.285	ng	99
38) 1-Methylnaphthalene	12.528	142	1059589	19.431	ng	98
40) 1,2,4,5-Tetrachloroben...	12.675	216	474619	18.989	ng	99
41) Hexachlorocyclopentadiene	12.663	237	155288	19.005	ng	96
43) 2,4,6-Trichlorophenol	12.910	196	300506	19.191	ng	100

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

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC020

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

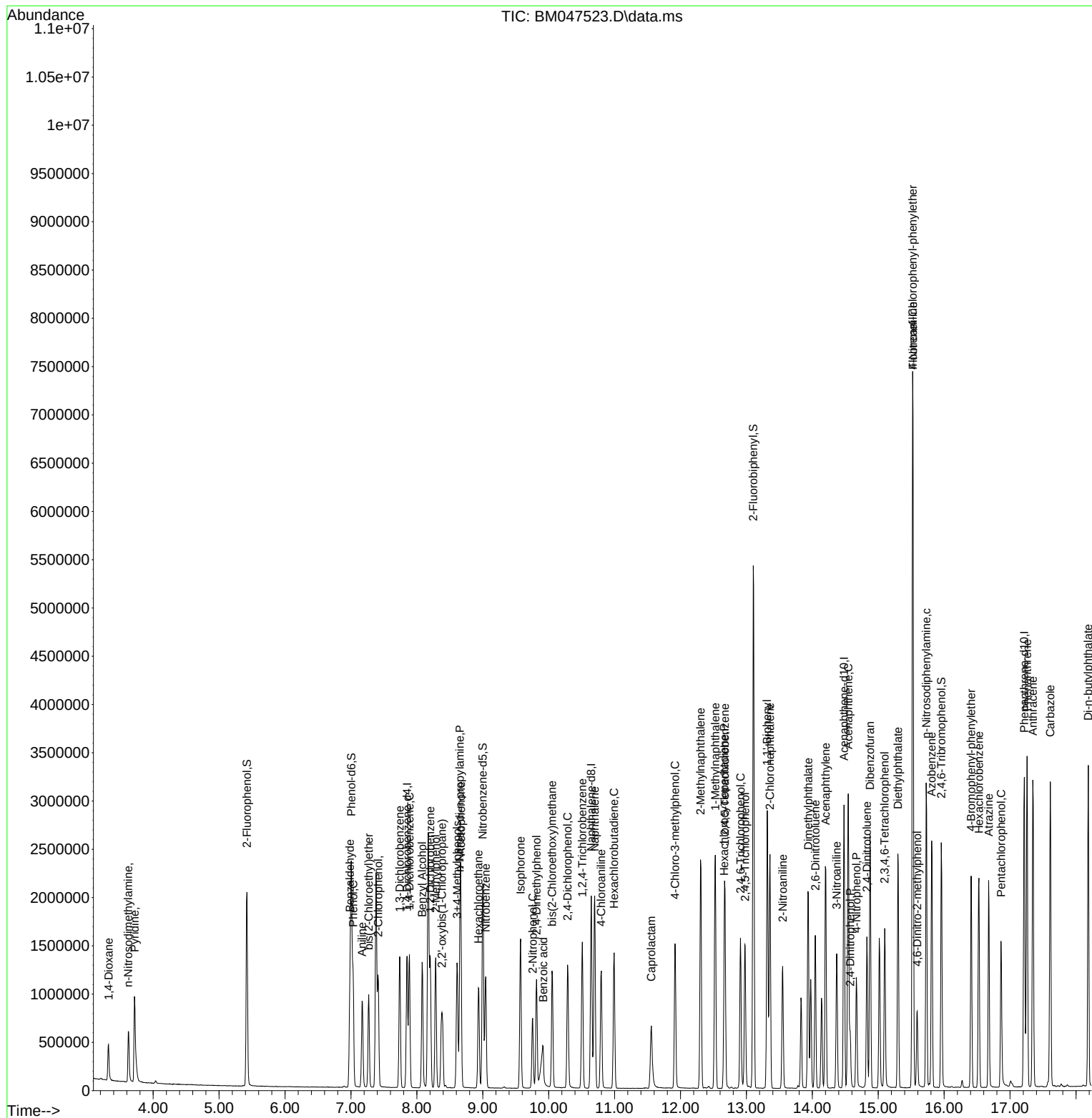
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.981	196	338597	19.144	ng	99
46) 1,1'-Biphenyl	13.316	154	1376433	19.152	ng	100
47) 2-Chloronaphthalene	13.357	162	1079485	19.344	ng	99
48) 2-Nitroaniline	13.551	65	327621	19.988	ng	98
49) Acenaphthylene	14.204	152	1553646	19.293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

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

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

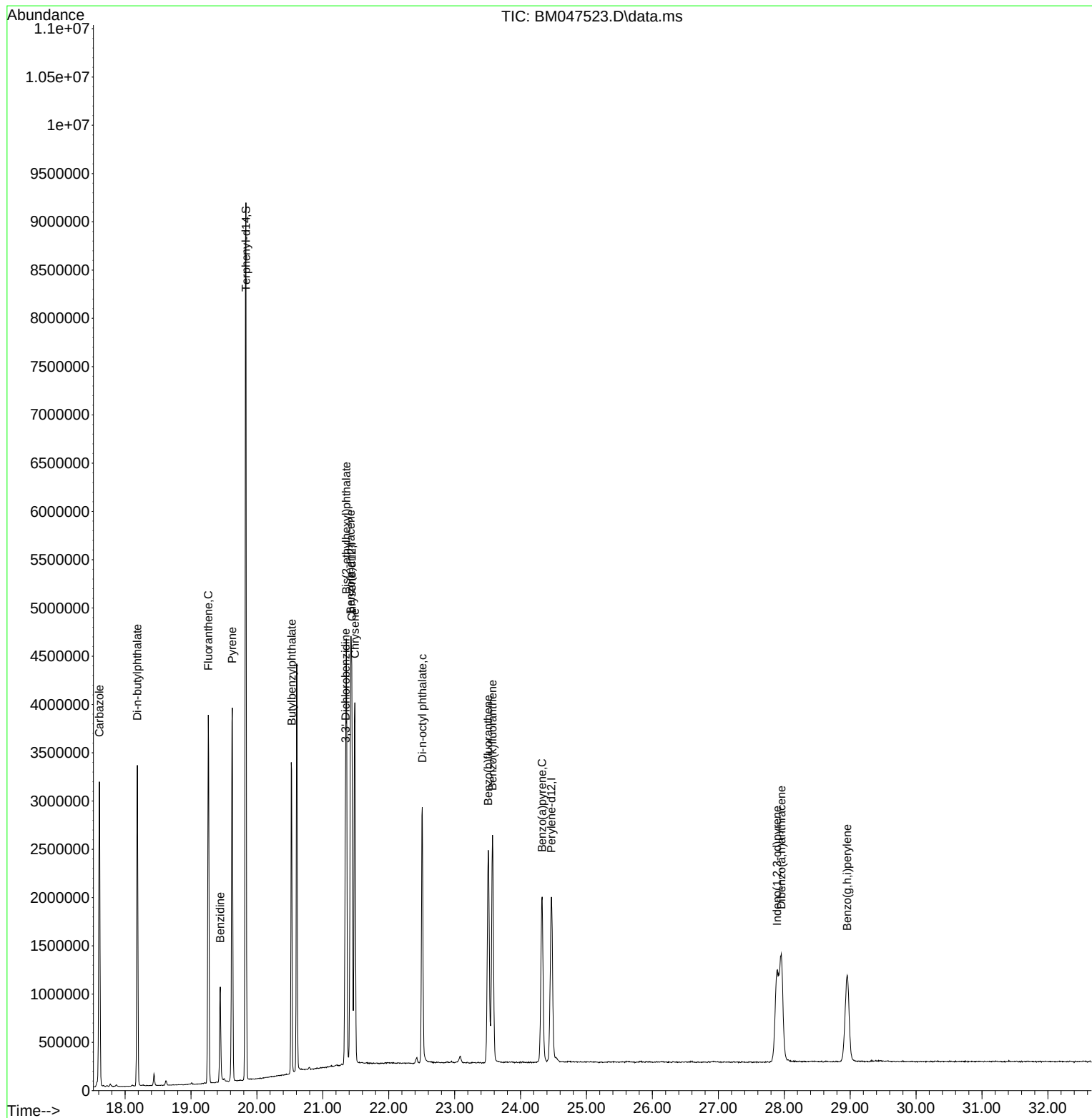
Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

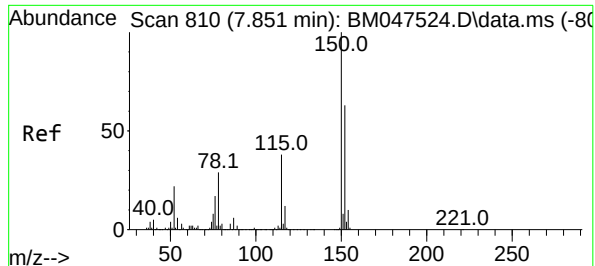


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
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Response via : Initial Calibration

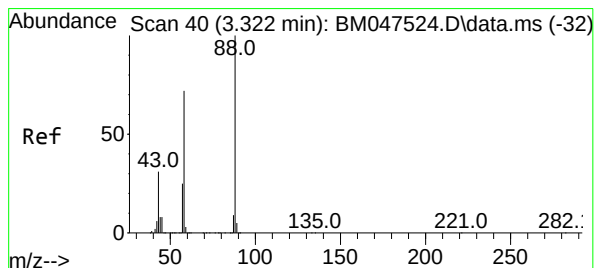
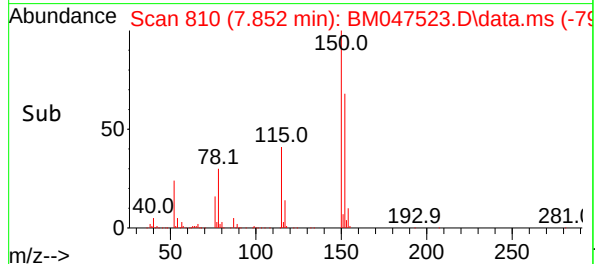
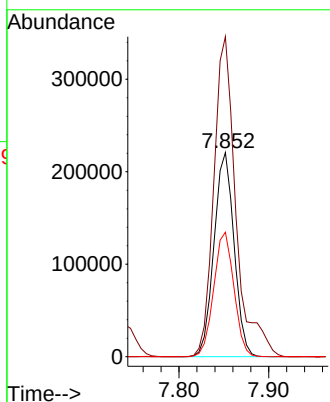
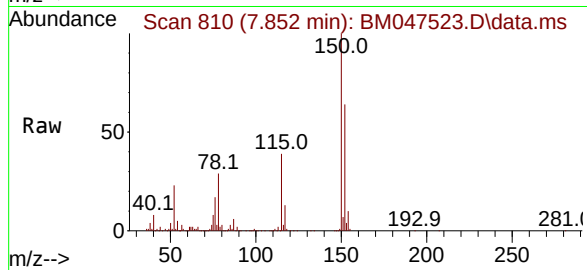




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

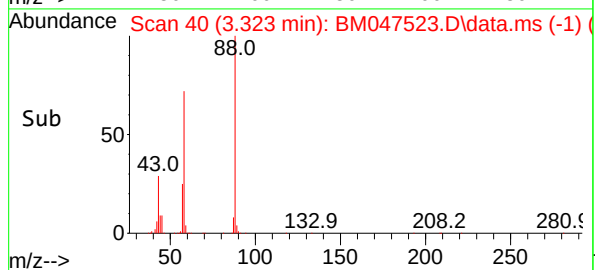
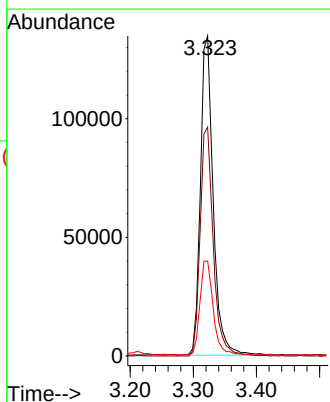
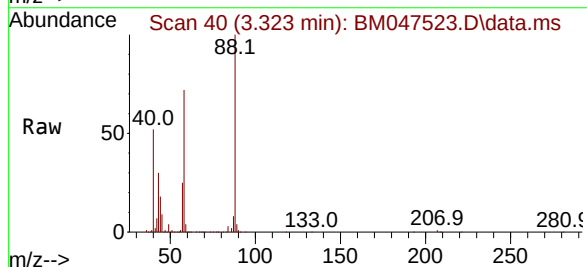
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

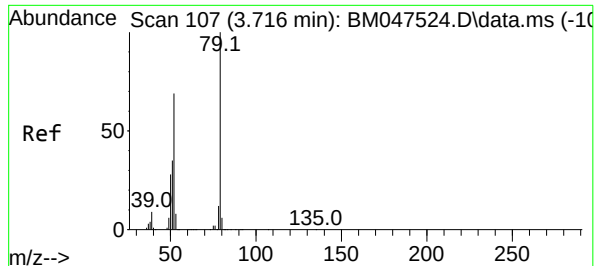
Tgt Ion:152 Resp: 342855
Ion Ratio Lower Upper
152 100
150 156.7 126.8 190.2
115 61.0 47.8 71.8



#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

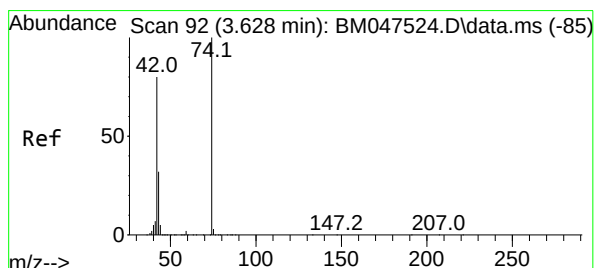
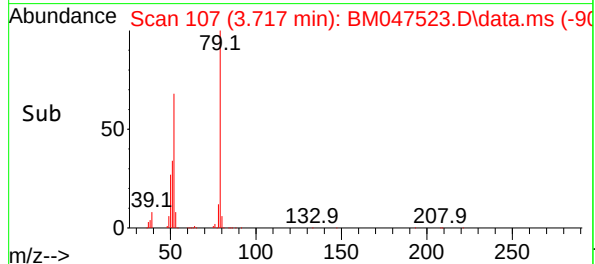
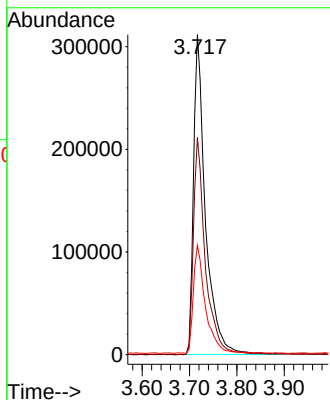
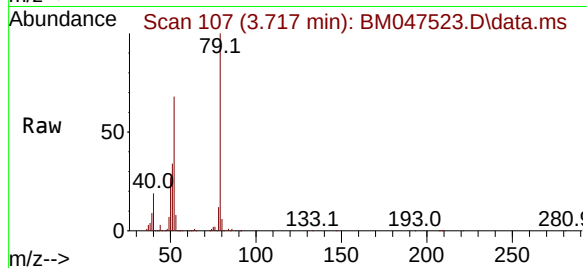




#3
Pyridine
Concen: 19.917 ng
RT: 3.717 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

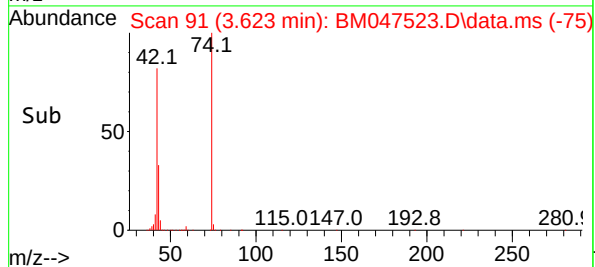
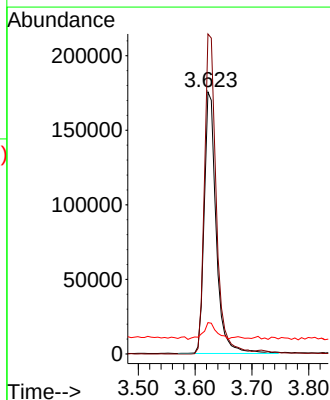
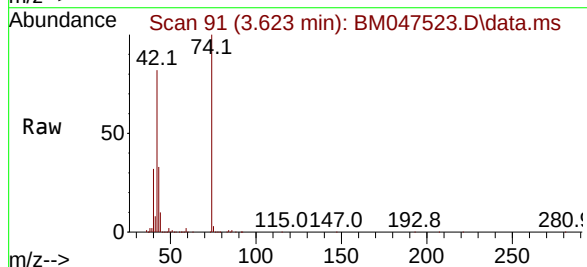
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

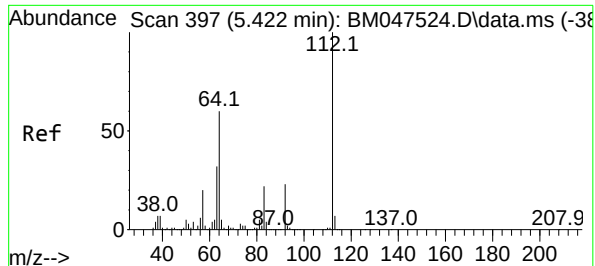
Tgt Ion: 79 Resp: 546657
Ion Ratio Lower Upper
79 100
52 67.8 55.4 83.0
51 34.2 27.9 41.9



#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

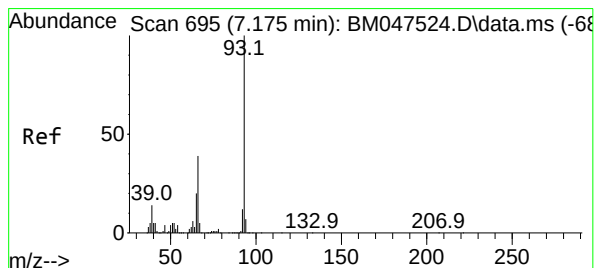
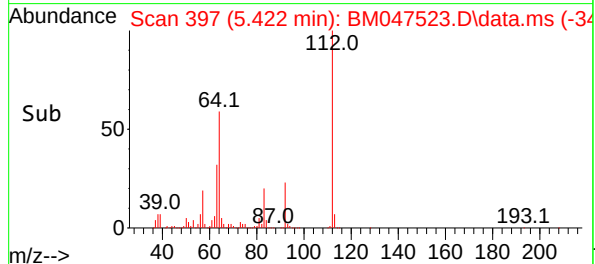
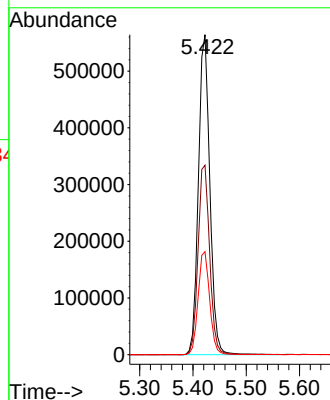
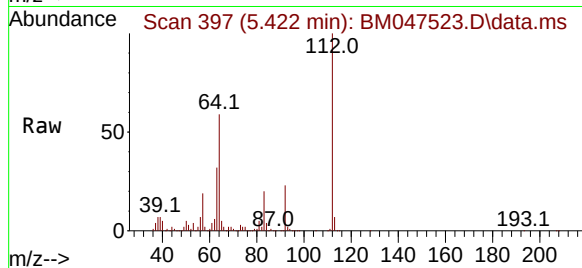




#5
2-Fluorophenol
Concen: 39.116 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

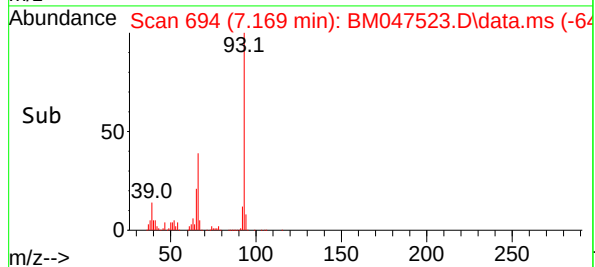
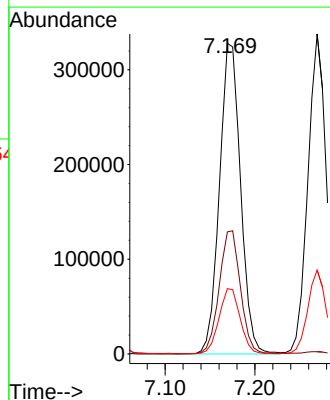
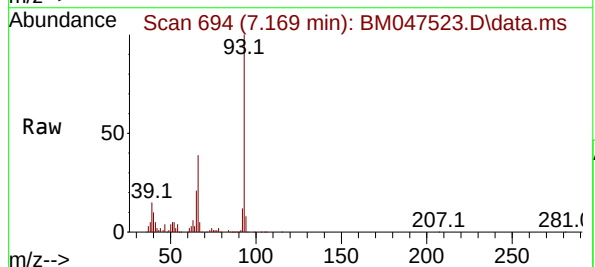
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

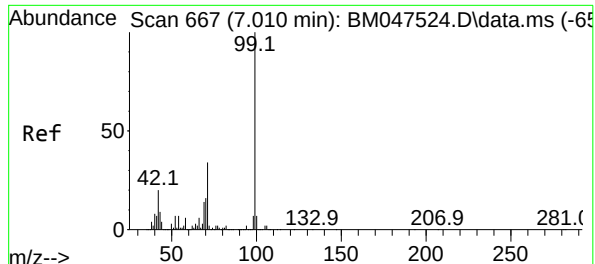
Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.2	72.4
63	32.2	26.0	39.0



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

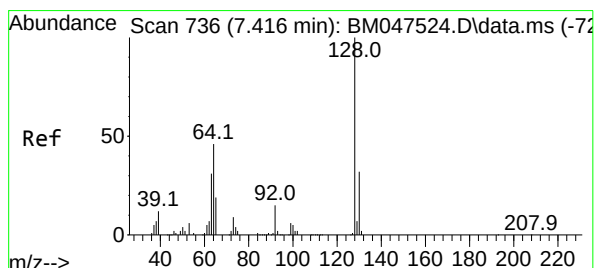
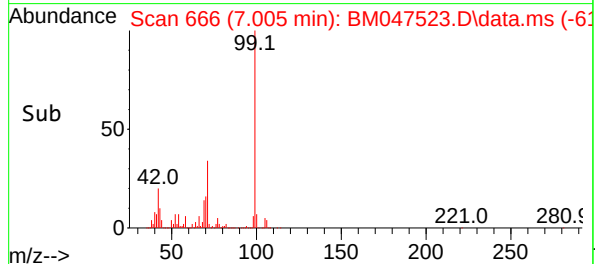
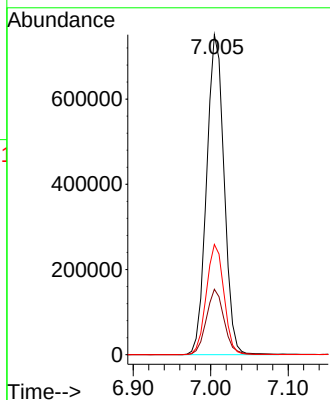
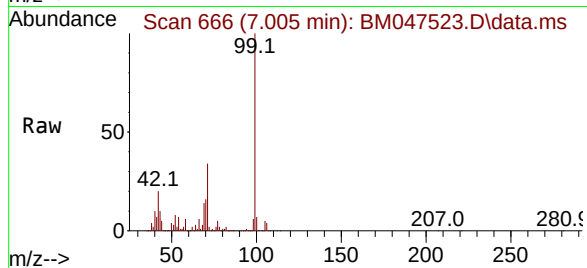




#7
Phenol-d6
Concen: 38.832 ng
RT: 7.005 min Scan# 667
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

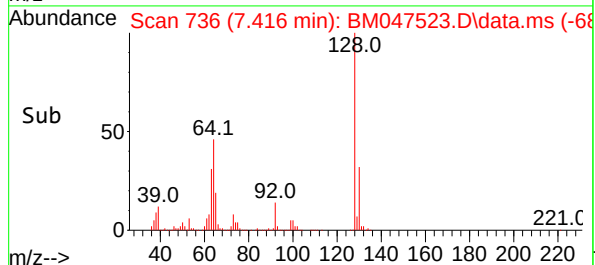
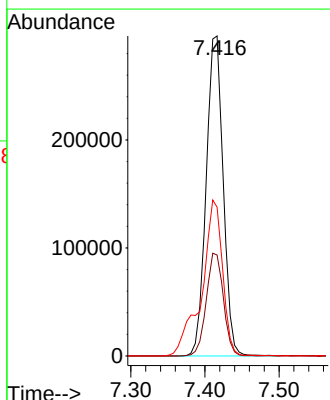
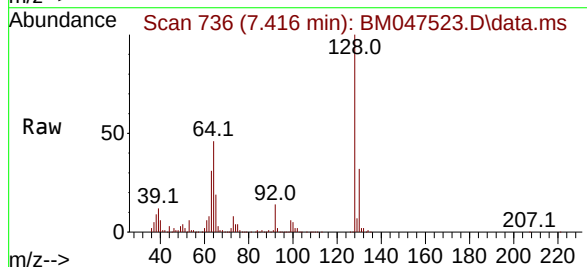
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

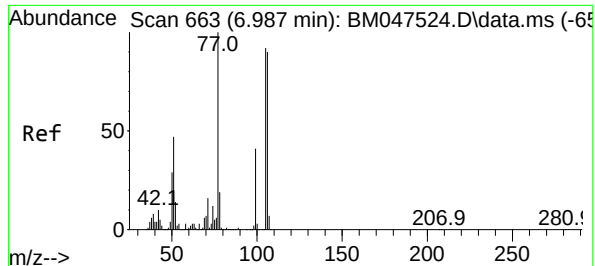
Tgt Ion: 99 Resp: 1177575
Ion Ratio Lower Upper
99 100
42 20.5 15.8 23.8
71 34.4 27.6 41.4



#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

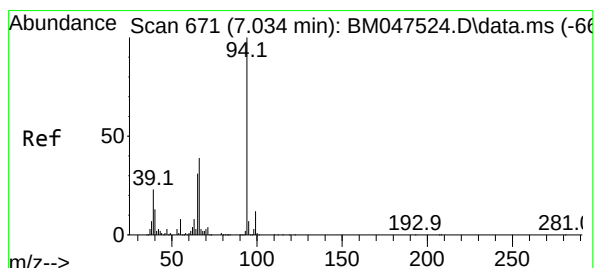
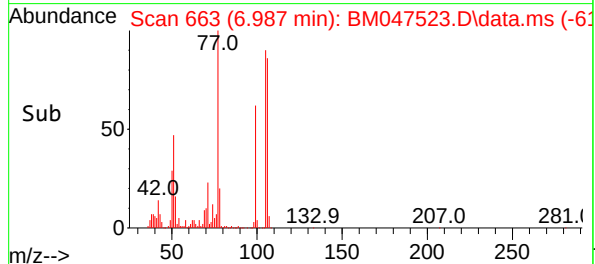
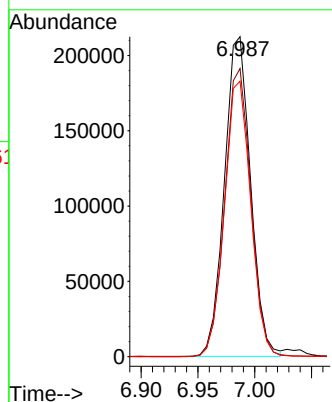
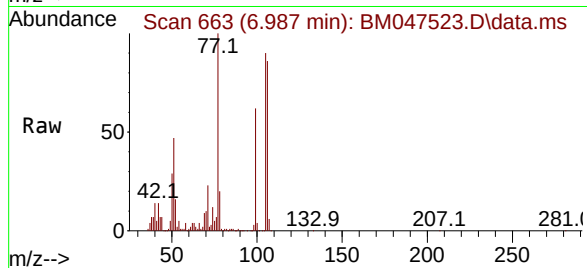




#9
Benzaldehyde
Concen: 23.600 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

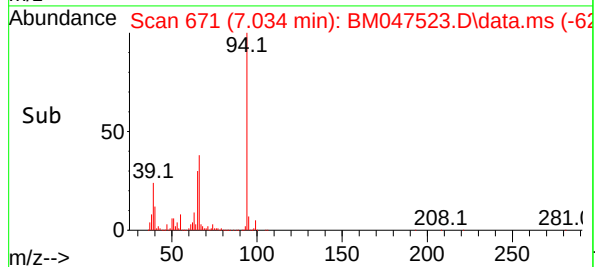
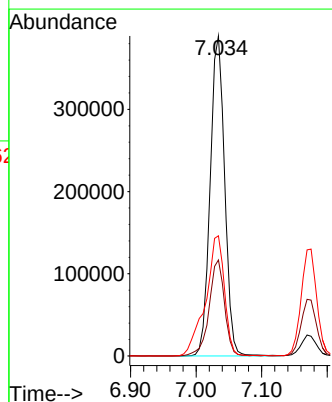
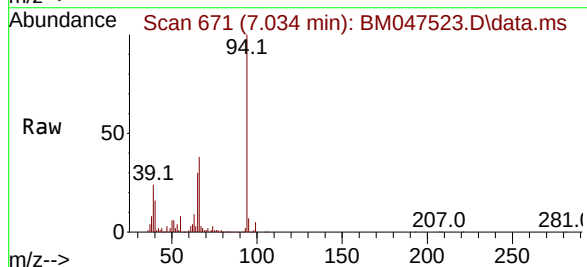
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

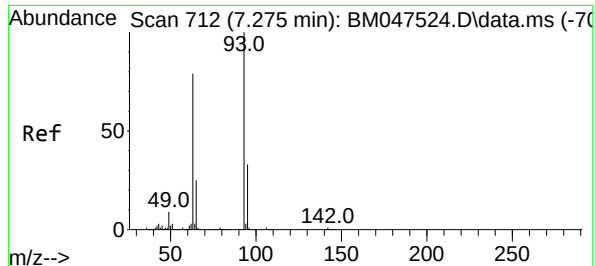
Tgt Ion: 77 Resp: 340293
Ion Ratio Lower Upper
77 100
105 90.0 71.8 111.8
106 86.1 69.7 109.7



#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

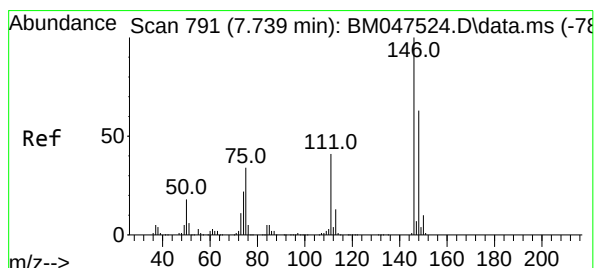
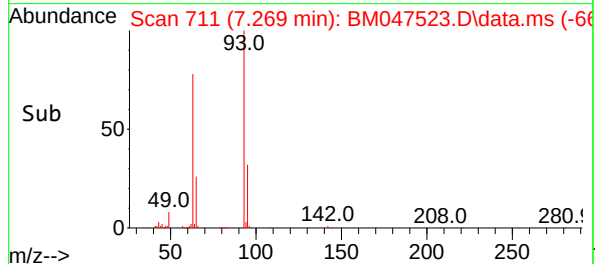
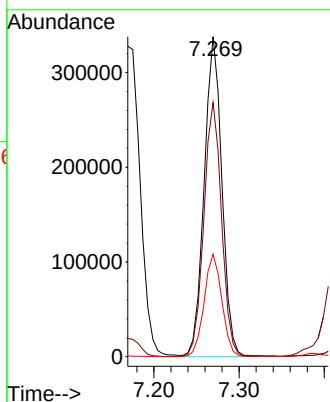
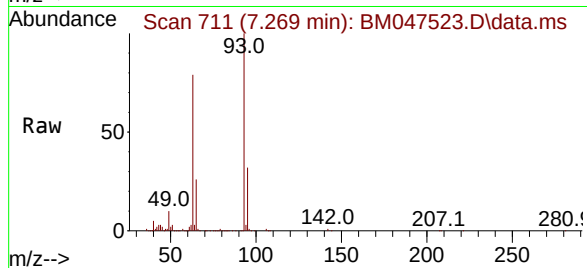




#11
bis(2-Chloroethyl)ether
Concen: 20.050 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

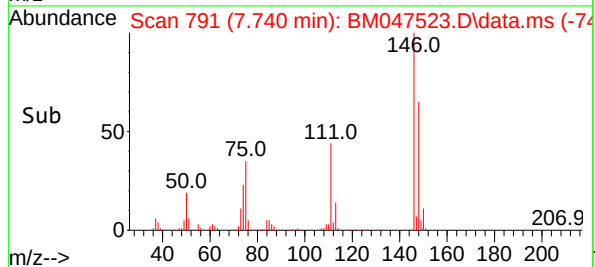
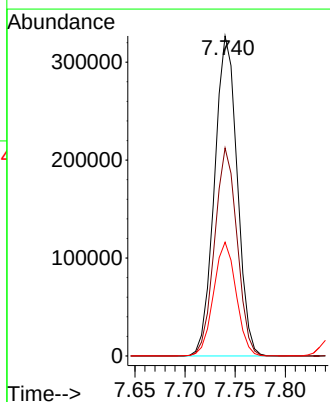
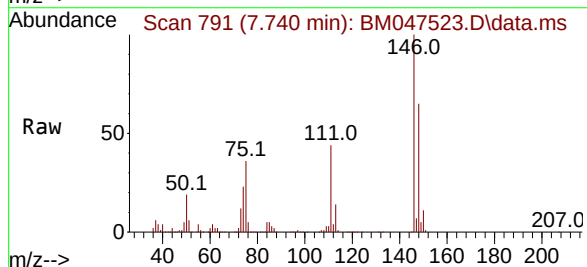
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

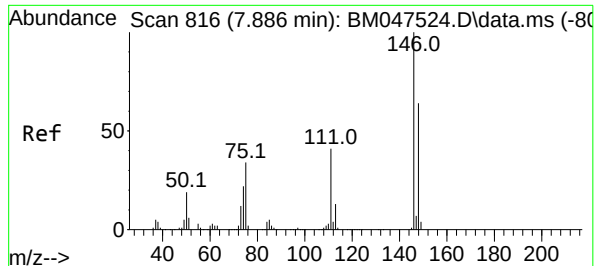
Tgt Ion: 93 Resp: 488762
Ion Ratio Lower Upper
93 100
63 79.4 58.2 98.2
95 32.0 12.8 52.8



#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# 816

Delta R.T. 0.000 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

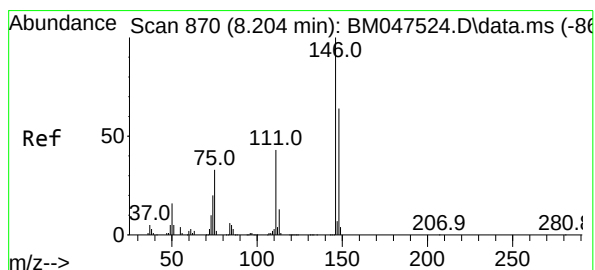
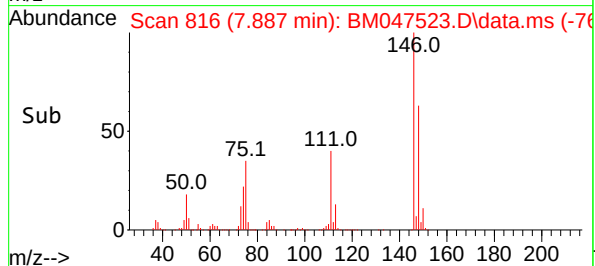
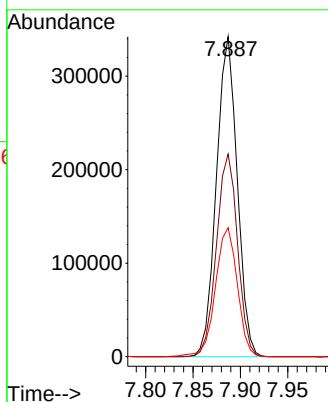
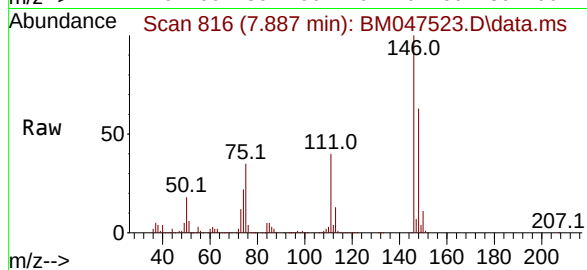
Tgt Ion:146 Resp: 524273

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

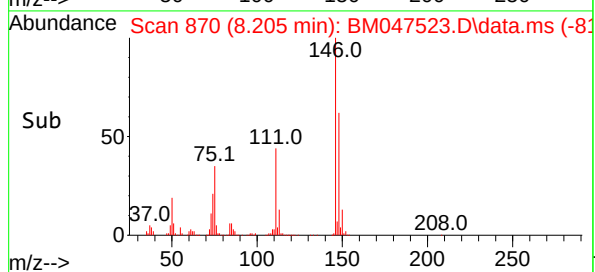
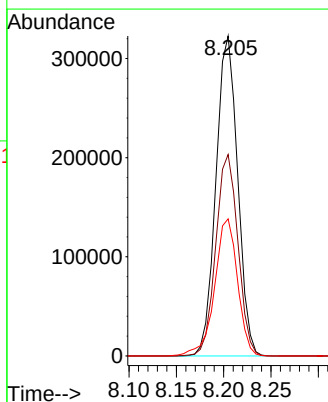
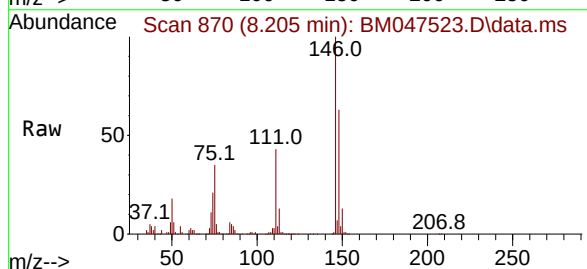
Tgt Ion:146 Resp: 515238

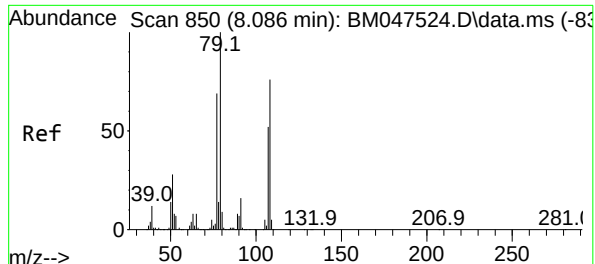
Ion Ratio Lower Upper

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# 849

Delta R.T. -0.005 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

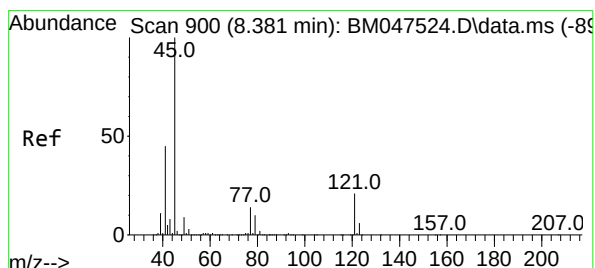
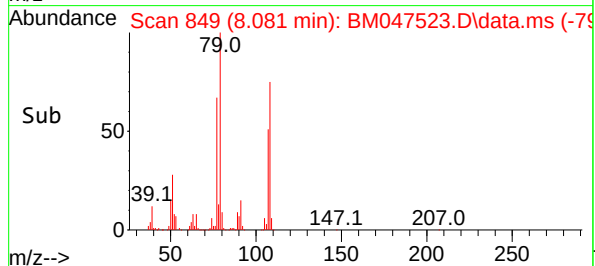
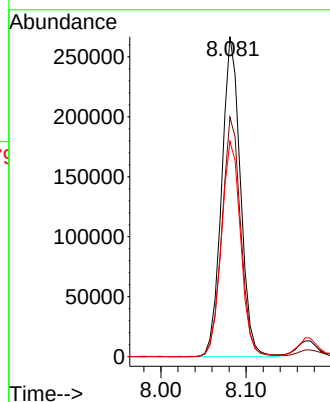
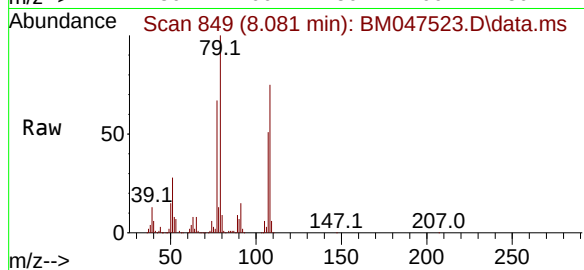
BNA_M

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

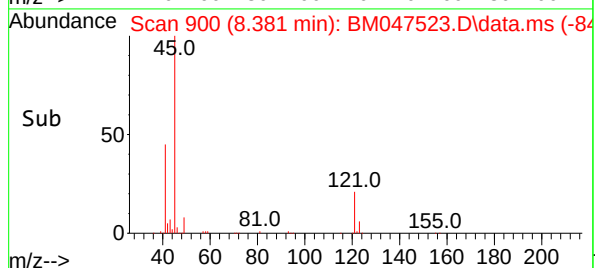
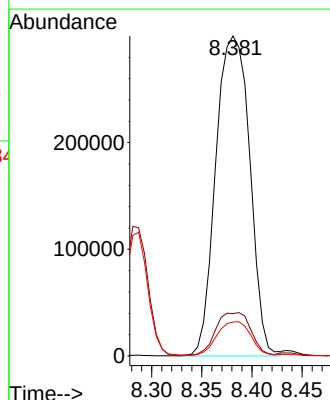
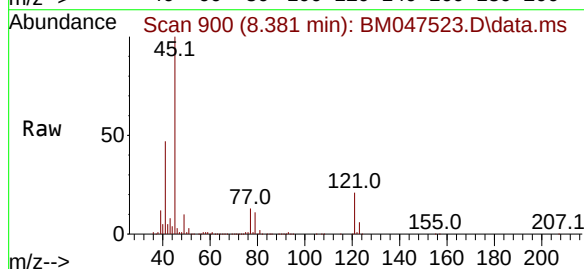
Delta R.T. 0.000 min

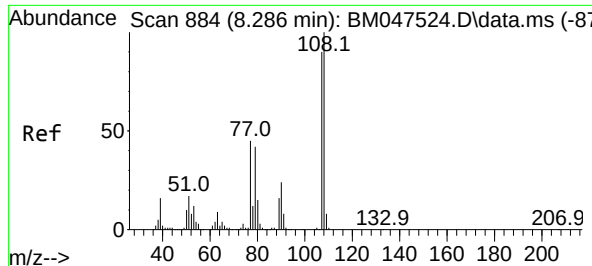
Lab File: BM047523.D

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# 884

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

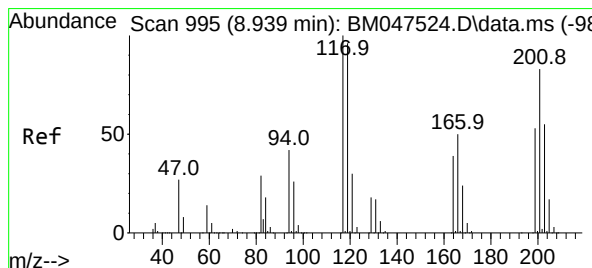
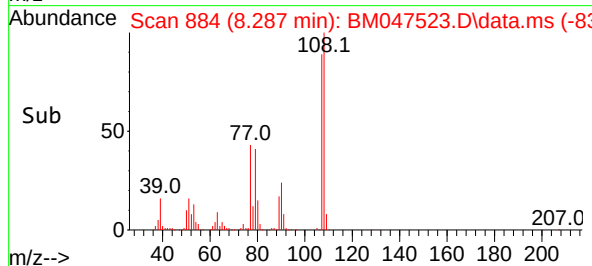
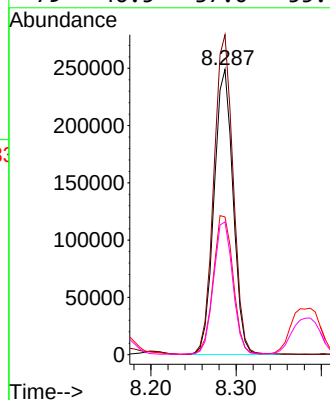
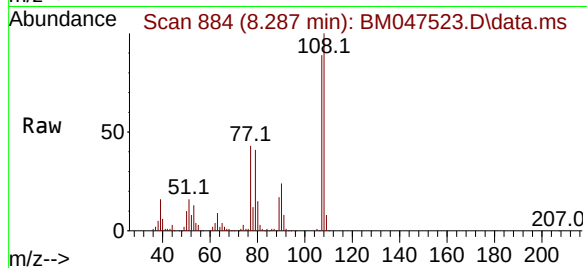
Ion Ratio Lower Upper

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

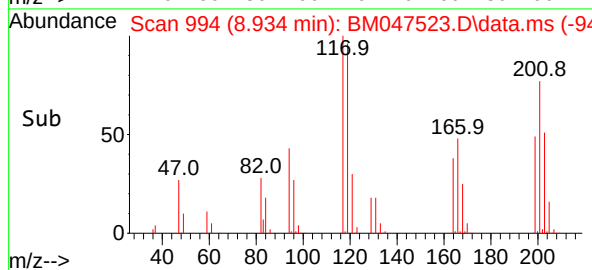
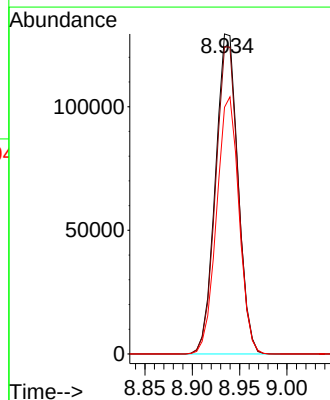
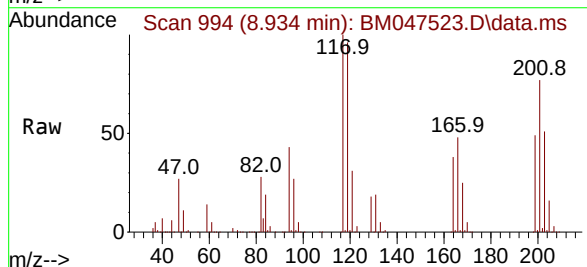
Tgt Ion:117 Resp: 214917

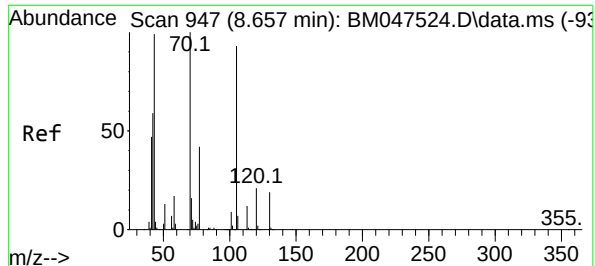
Ion Ratio Lower Upper

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

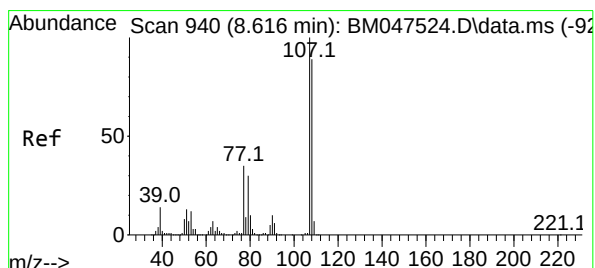
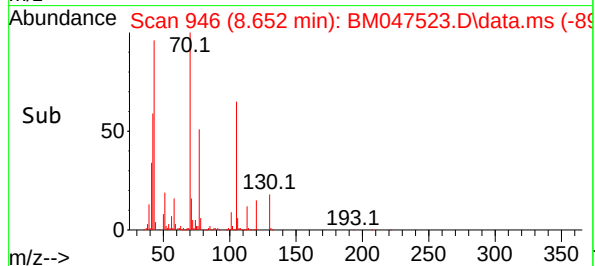
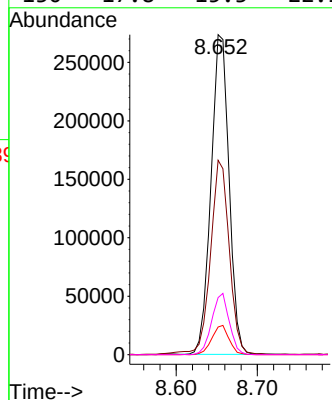
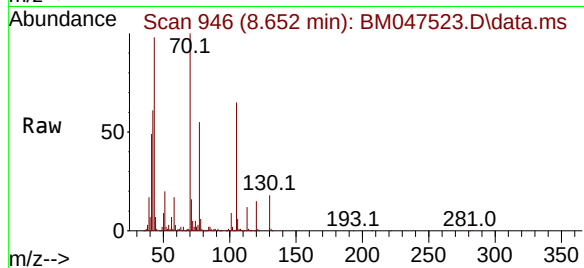
Ion Ratio Lower Upper

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

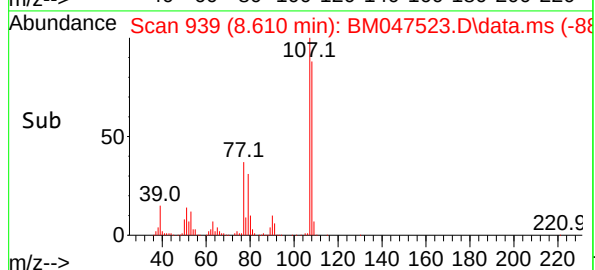
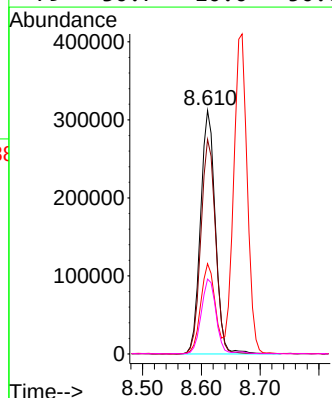
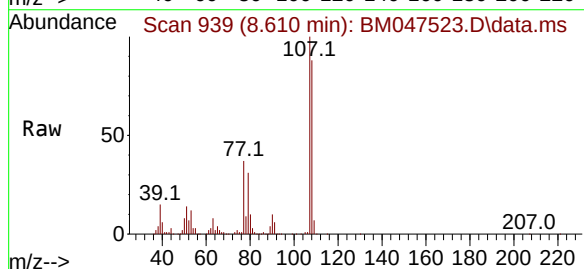
Ion Ratio Lower Upper

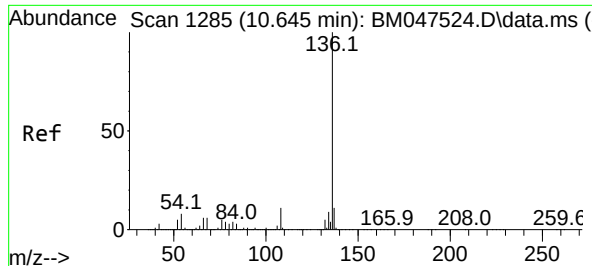
107 100

108 88.1 68.9 108.9

77 37.0 15.5 55.5

79 30.7 10.0 50.0

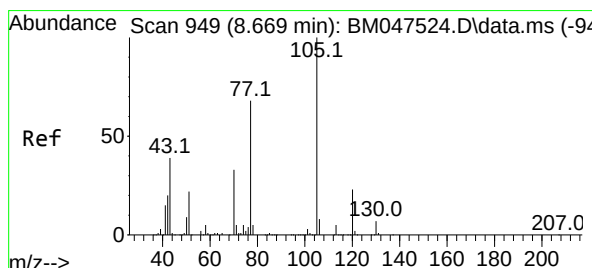
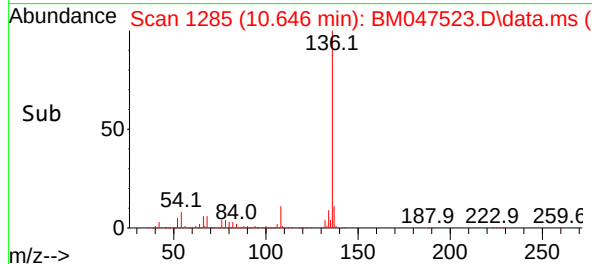
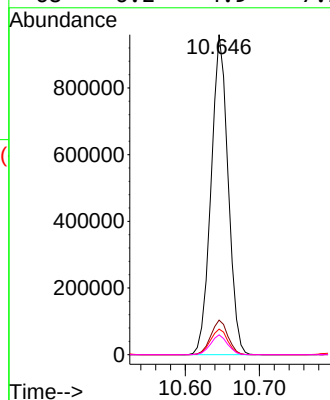
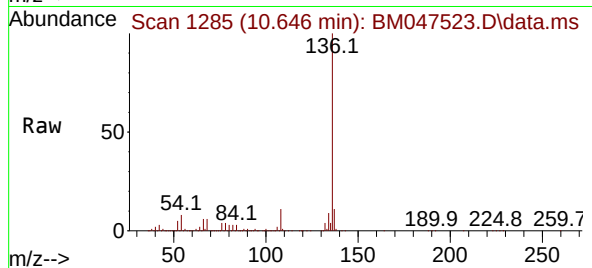




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1285
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

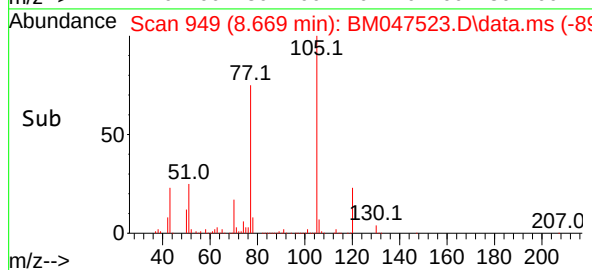
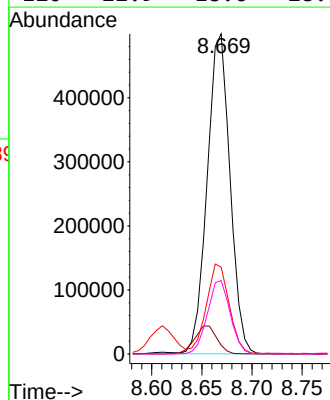
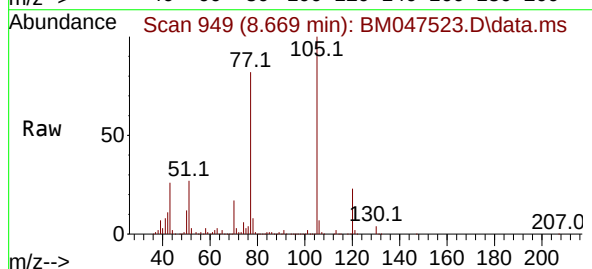
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

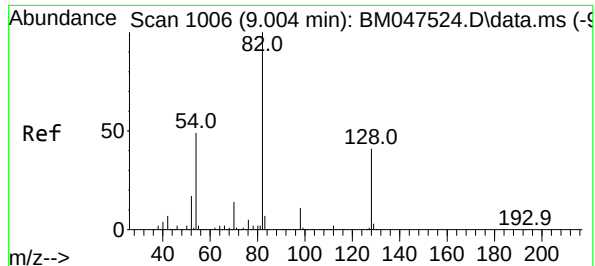
Tgt Ion:136 Resp: 1526527
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.0 6.6 9.8
68 6.2 4.9 7.3



#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# 1005

Delta R.T. -0.005 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

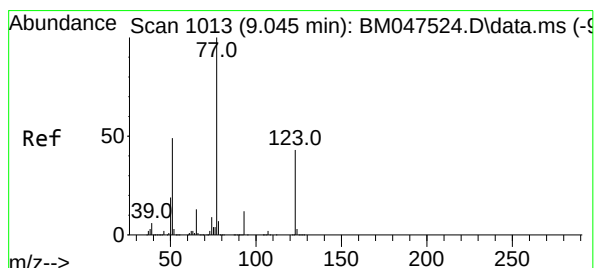
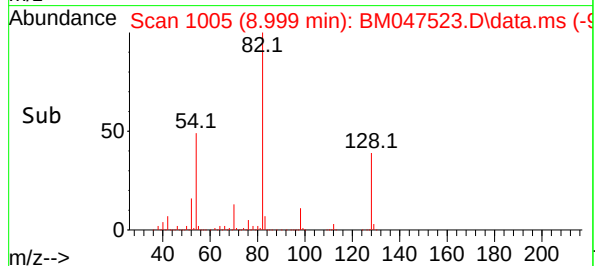
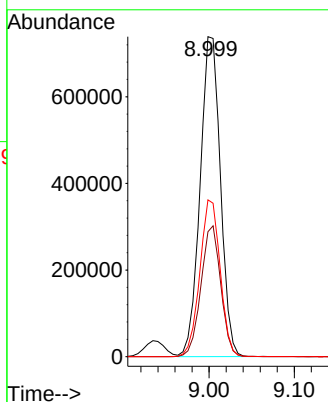
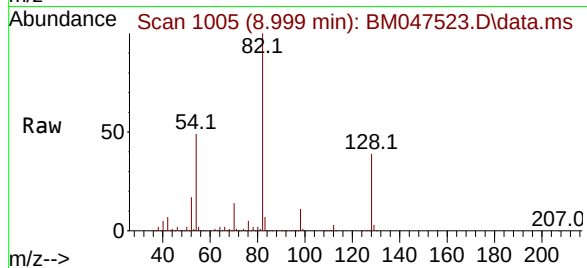
Tgt Ion: 82 Resp: 1222672

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

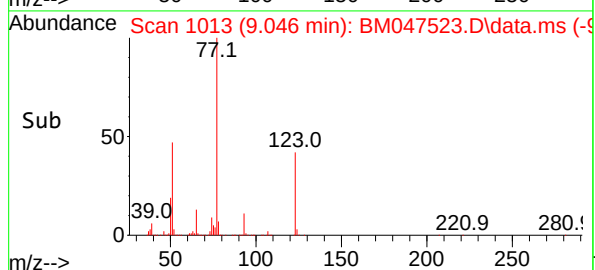
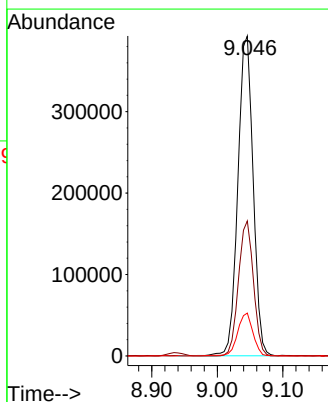
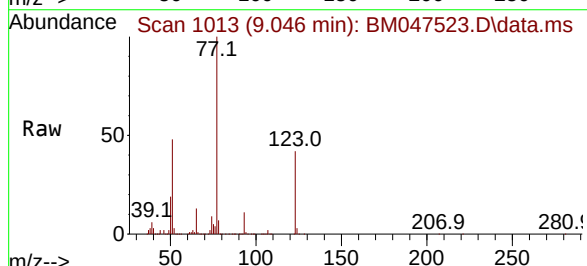
Tgt Ion: 77 Resp: 636650

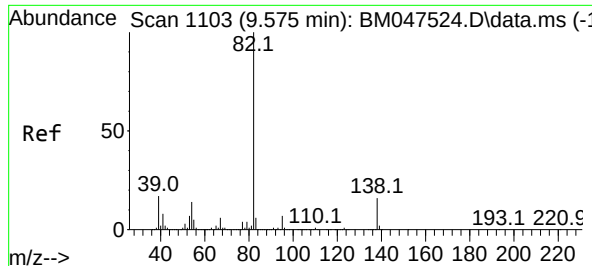
Ion Ratio Lower Upper

77 100

123 42.2 34.5 51.7

65 13.4 10.7 16.1

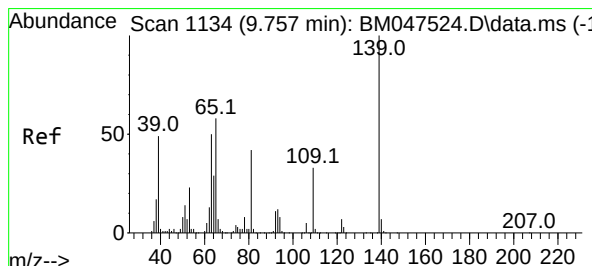
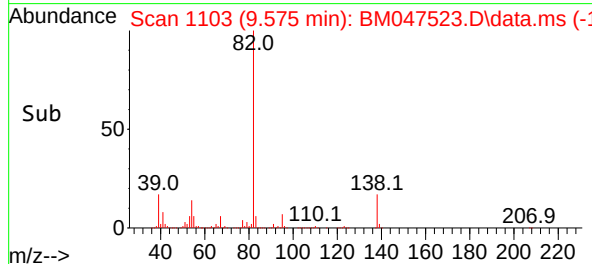
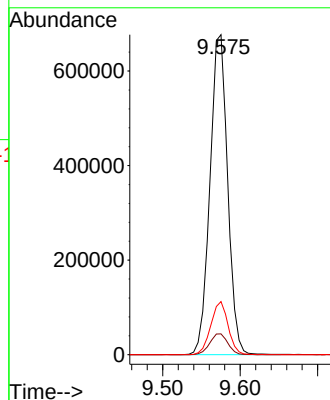
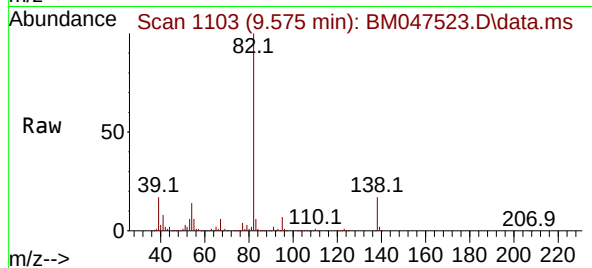




#25
Isophorone
Concen: 20.077 ng
RT: 9.575 min Scan# 1103
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

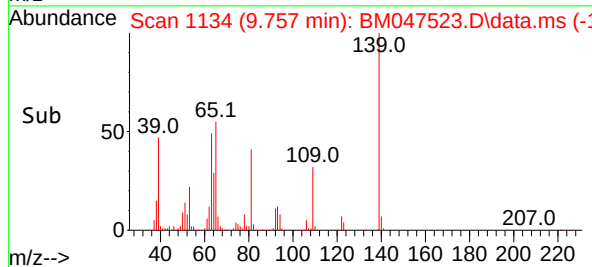
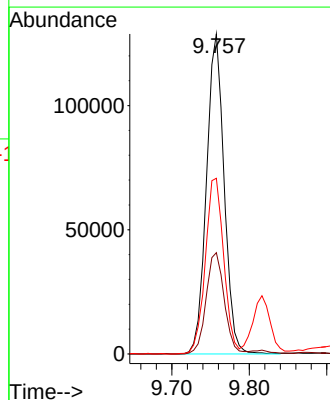
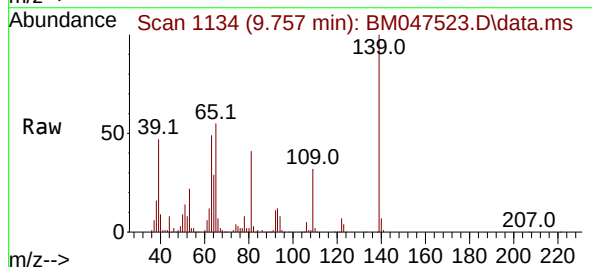
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

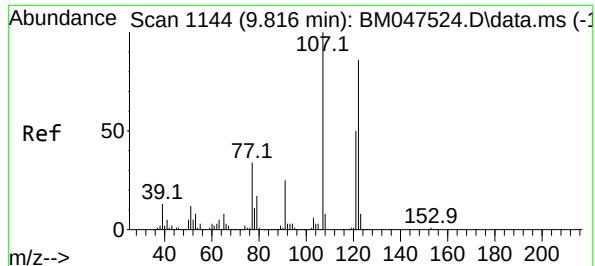
Tgt Ion: 82 Resp: 1076607
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 16.6 12.9 19.3



#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# 1144

Delta R.T. 0.000 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

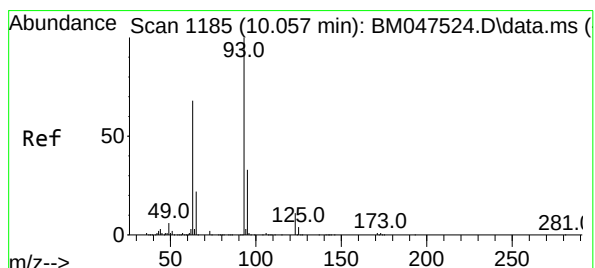
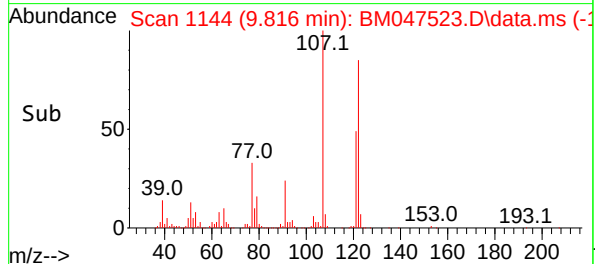
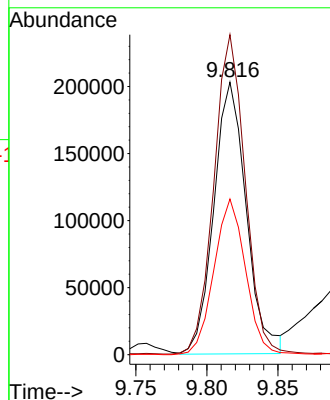
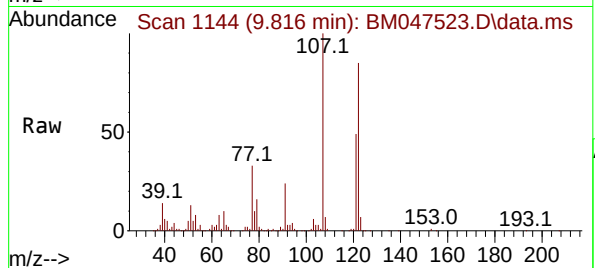
Tgt Ion:122 Resp: 322430

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

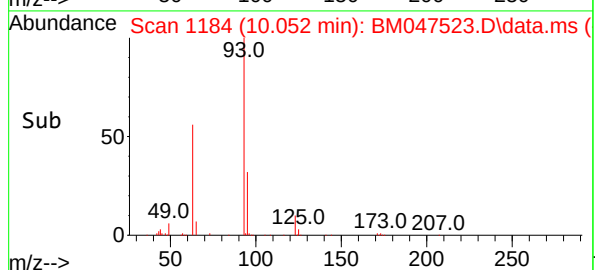
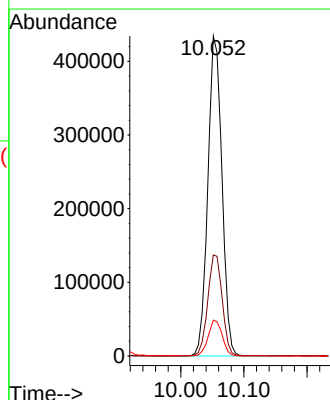
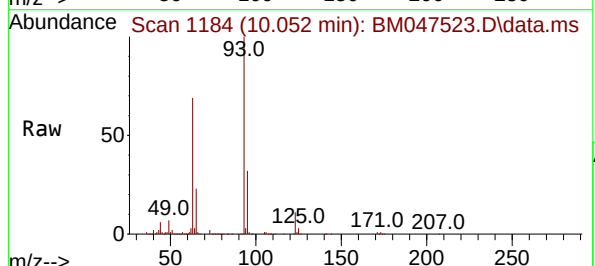
Tgt Ion: 93 Resp: 673940

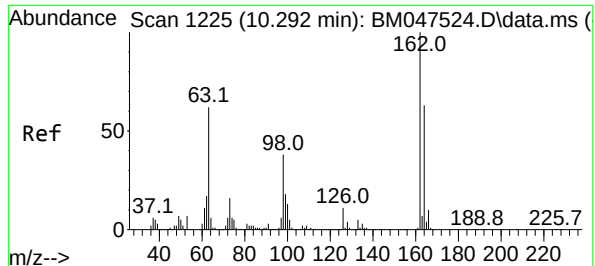
Ion Ratio Lower Upper

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# 1224

Delta R.T. -0.005 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

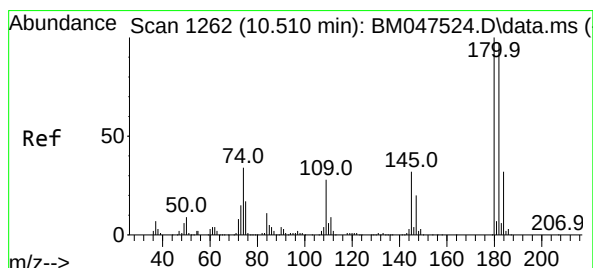
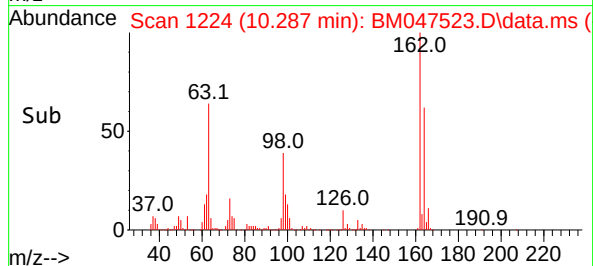
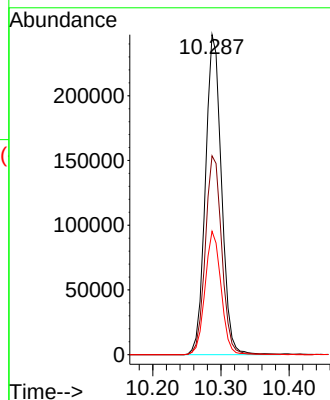
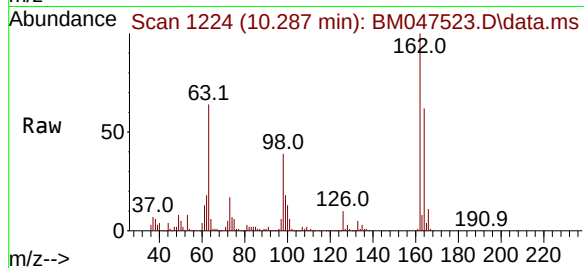
Tgt Ion:162 Resp: 405385

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

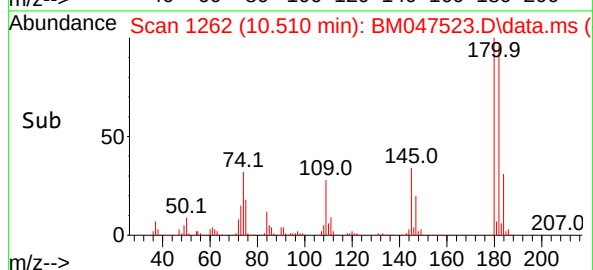
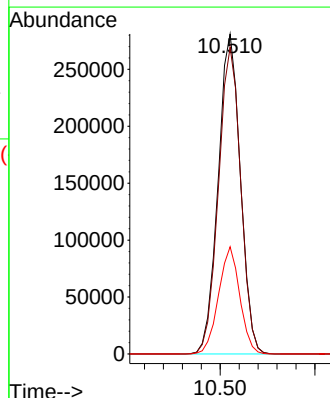
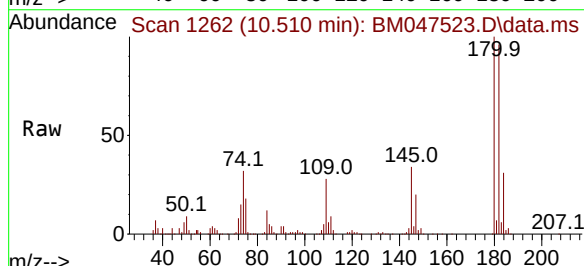
Tgt Ion:180 Resp: 458554

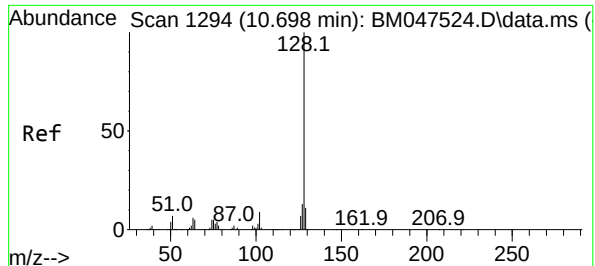
Ion Ratio Lower Upper

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# 1161

Delta R.T. 0.000 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

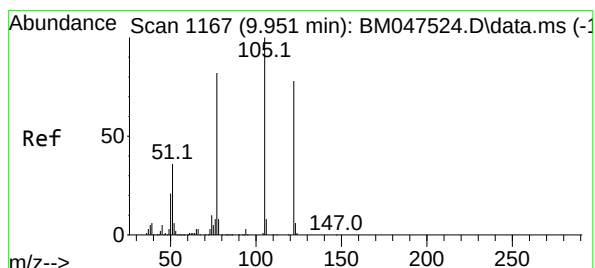
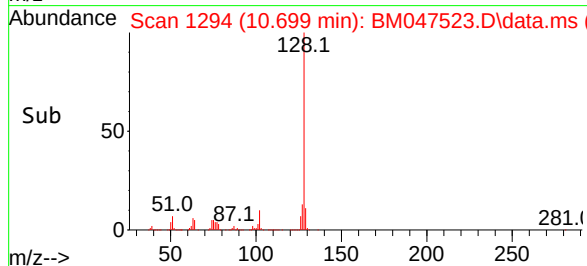
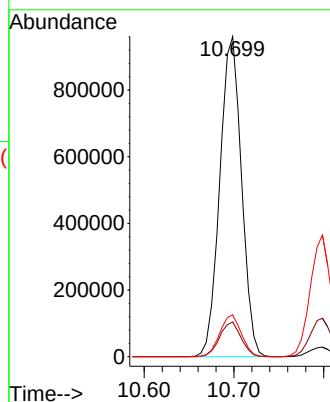
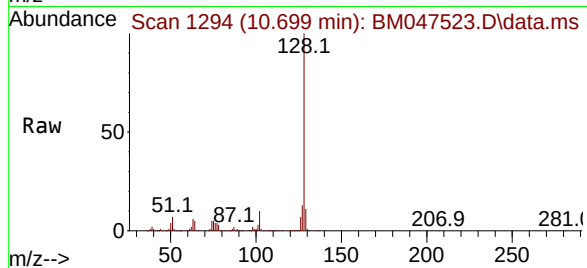
Tgt Ion:128 Resp: 1612176

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

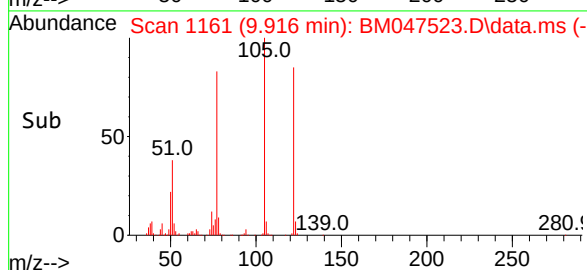
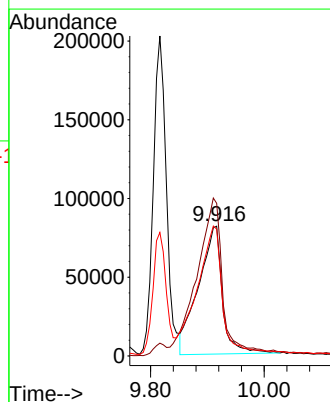
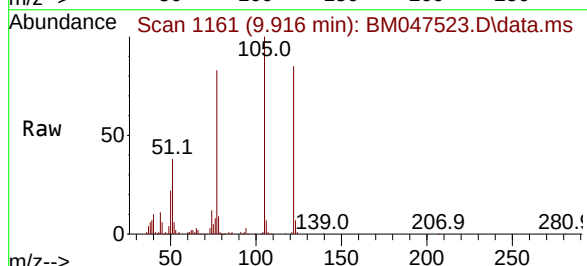
Tgt Ion:122 Resp: 237561

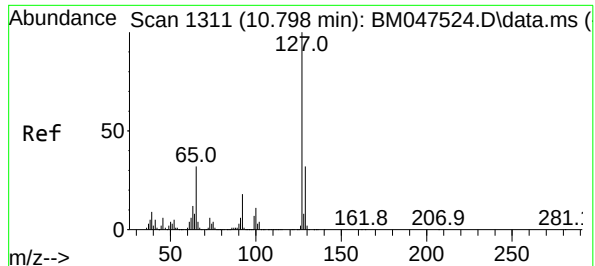
Ion Ratio Lower Upper

122 100

105 117.6 104.7 144.7

77 97.7 83.4 123.4

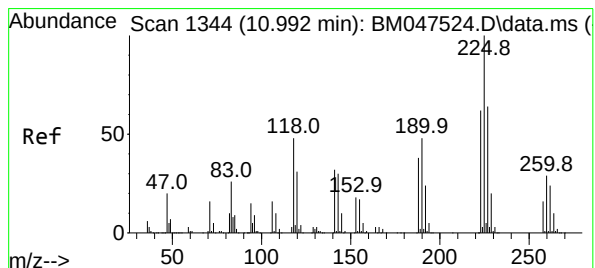
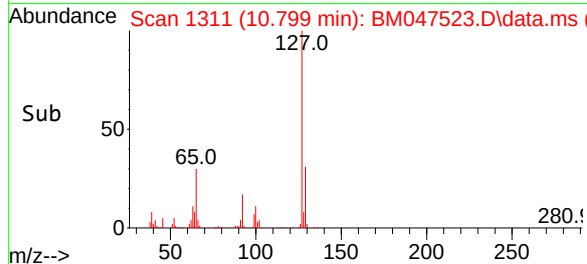
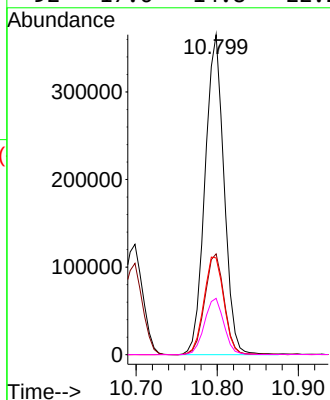
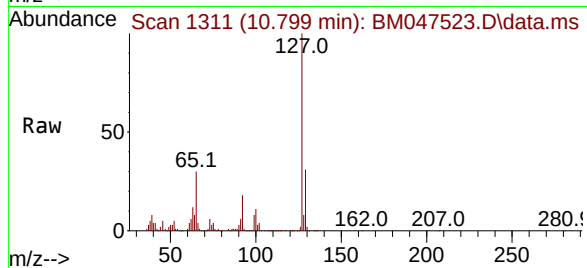




#33
4-Chloroaniline
Concen: 19.915 ng
RT: 10.799 min Scan# 1311
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

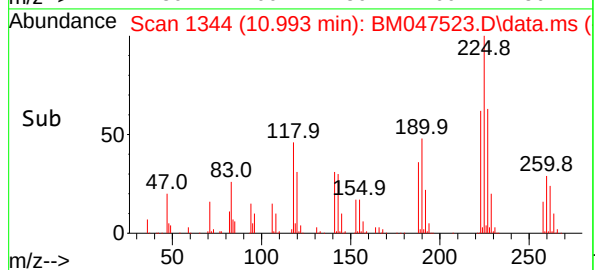
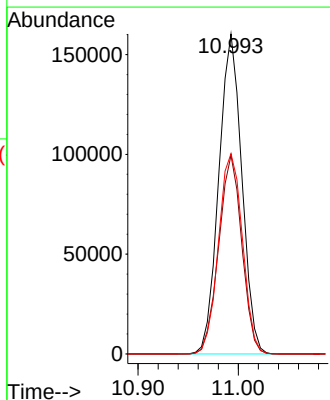
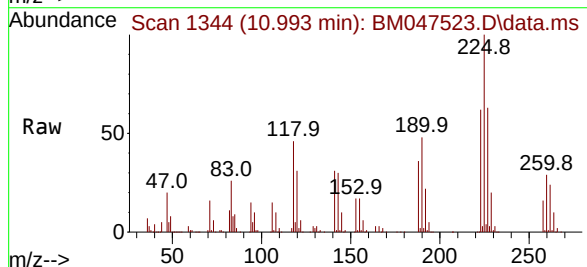
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

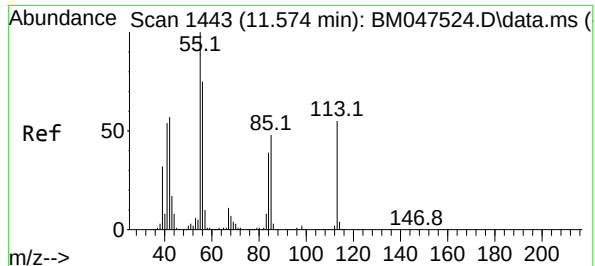
Tgt Ion:	127	Resp:	593631
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.0
65	30.3	25.5	38.3
92	17.6	14.8	22.2



#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

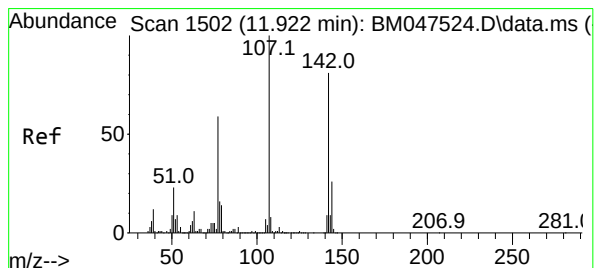
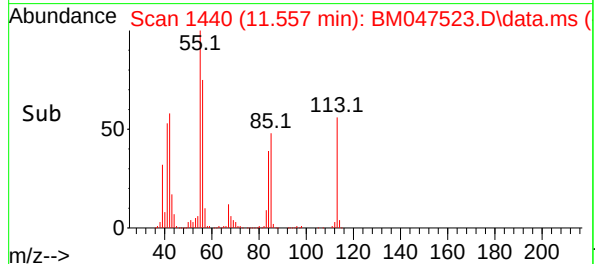
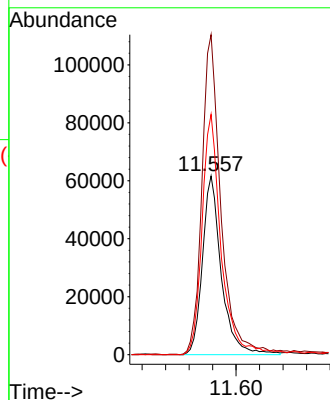
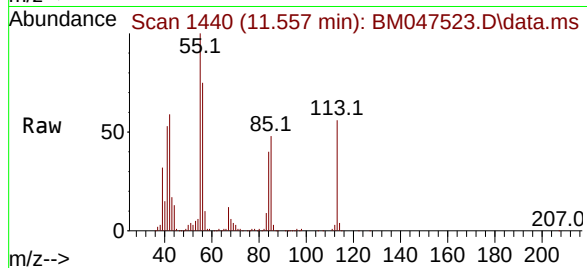




#35
Caprolactam
Concen: 20.236 ng
RT: 11.557 min Scan# 1440
Delta R.T. -0.017 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

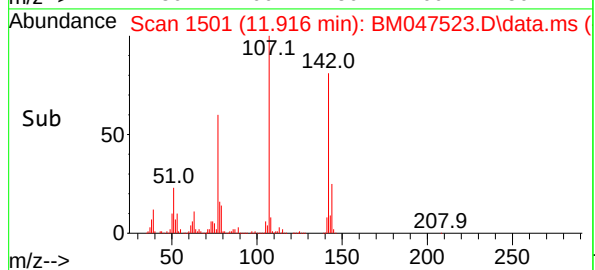
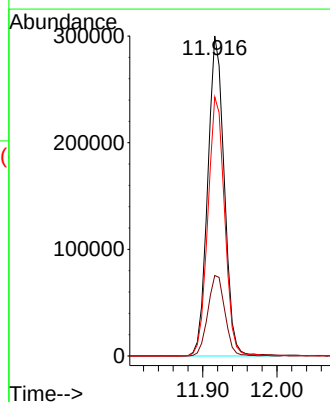
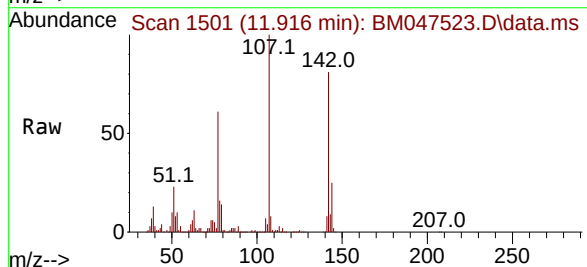
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

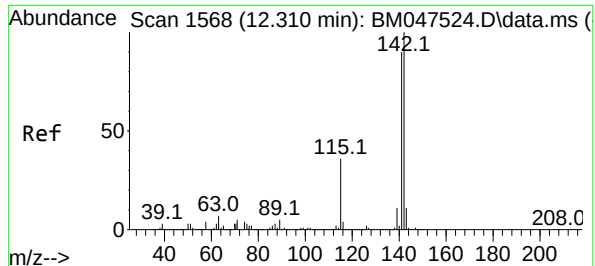
Tgt Ion	Ratio	Lower	Upper
113	100		
55	179.0	162.5	202.5
56	134.4	116.5	156.5



#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	Ratio	Lower	Upper
107	100		
144	25.2	20.5	30.7
142	81.0	65.0	97.4

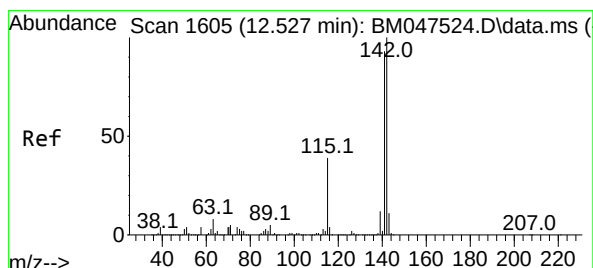
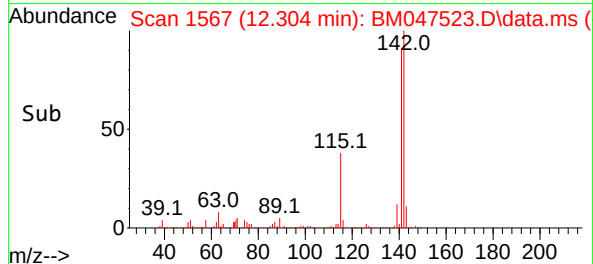
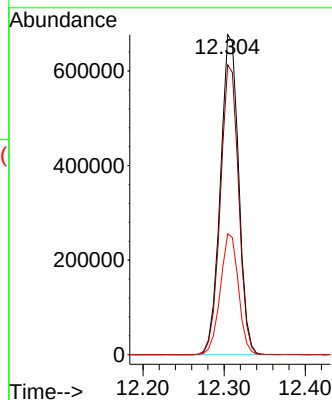
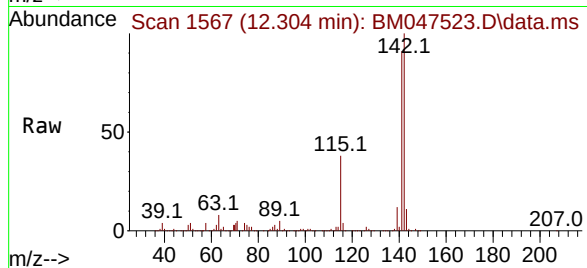




#37
2-Methylnaphthalene
Concen: 19.285 ng
RT: 12.304 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

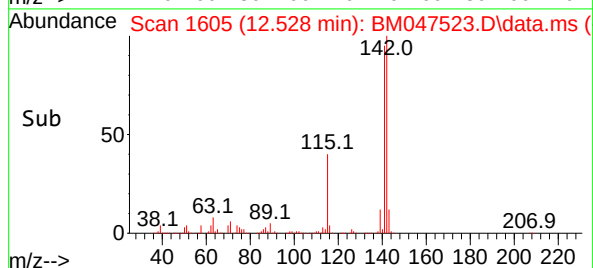
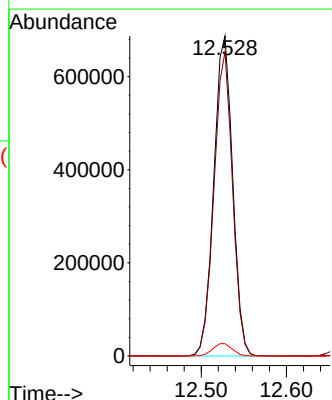
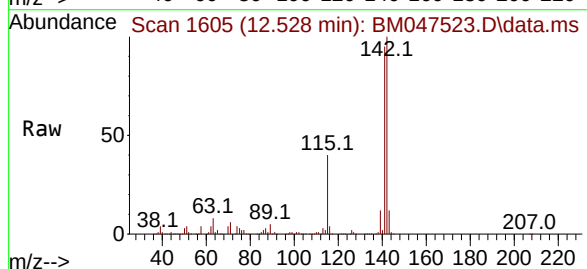
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

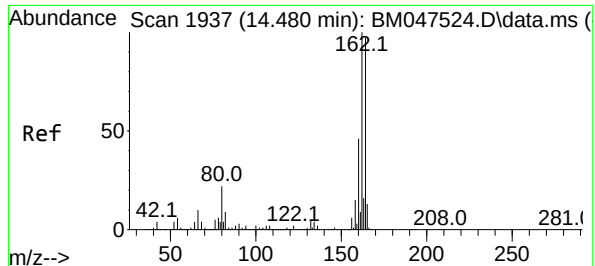
Tgt Ion:142 Resp: 1058175
Ion Ratio Lower Upper
142 100
141 90.6 72.2 108.4
115 37.8 29.1 43.7



#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

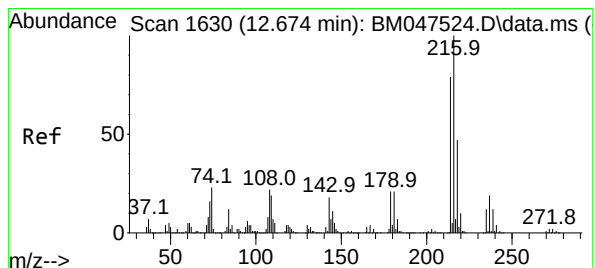
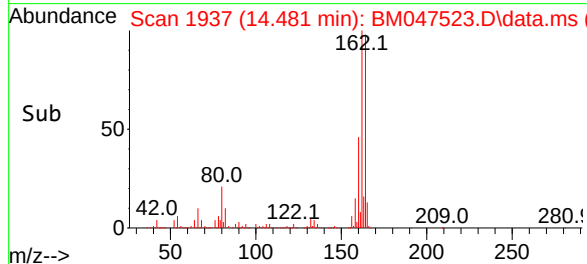
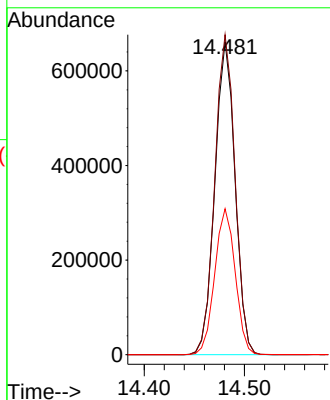
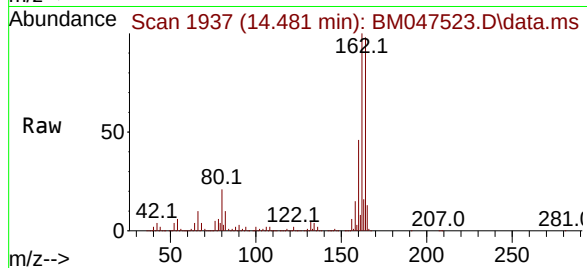




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

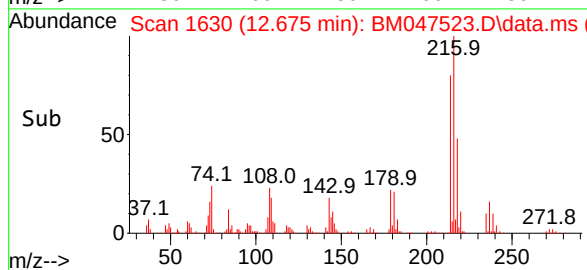
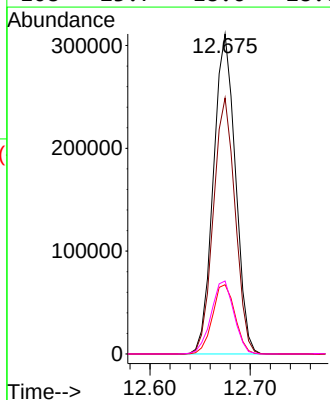
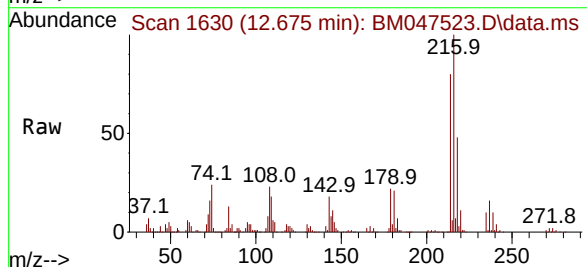
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

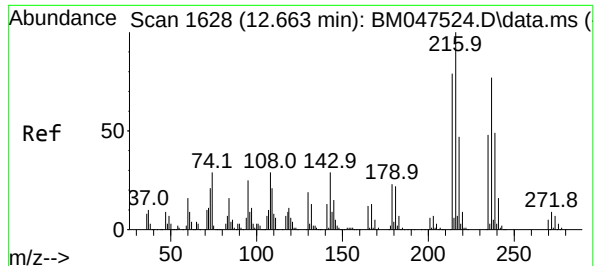
Tgt Ion:164 Resp: 923702
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.2
160 46.7 38.2 57.2



#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

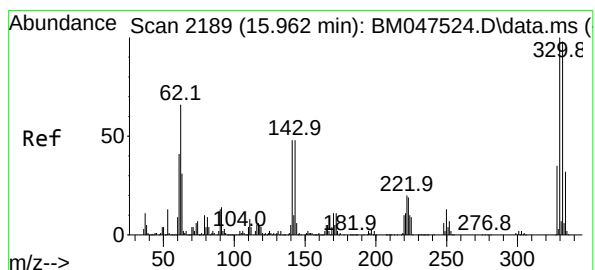
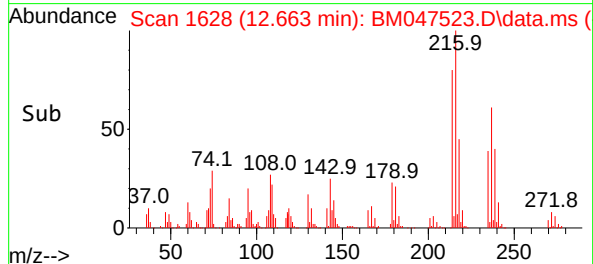
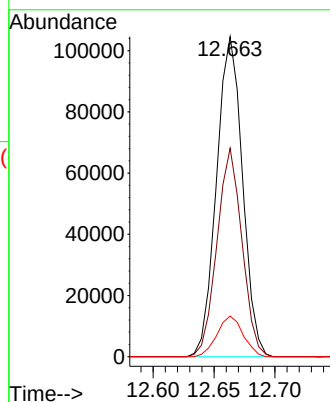
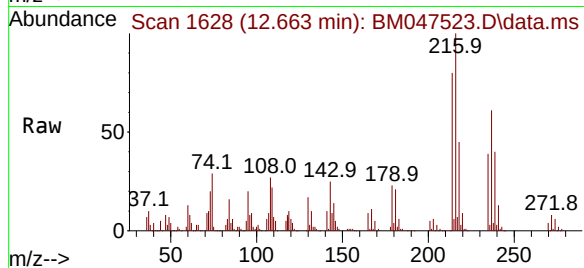




#41
Hexachlorocyclopentadiene
Concen: 19.005 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

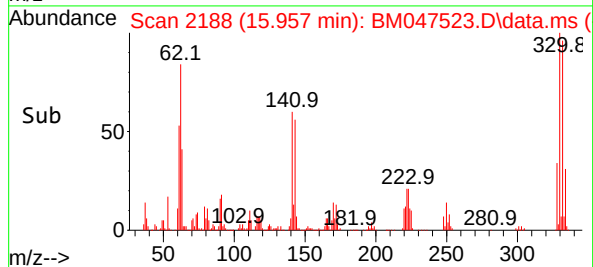
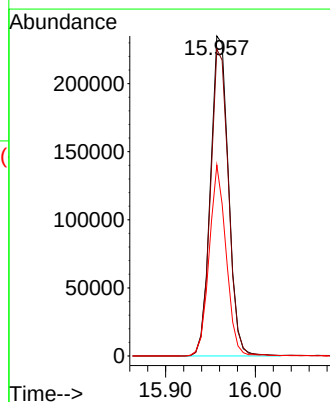
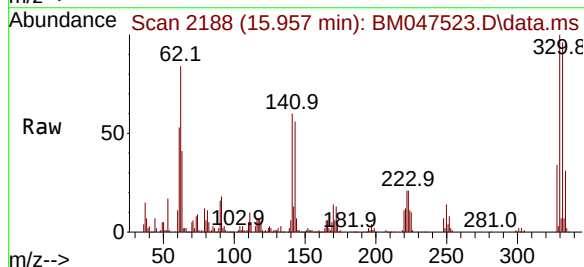
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

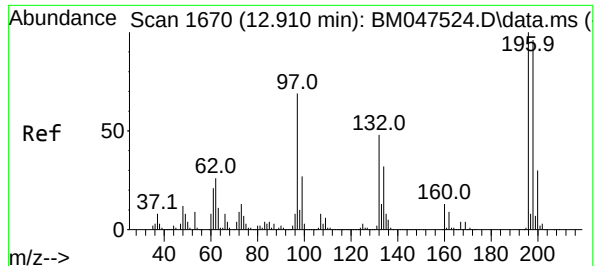
Tgt Ion:237 Resp: 155288
Ion Ratio Lower Upper
237 100
235 65.1 42.0 82.0
272 12.7 0.0 31.5



#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

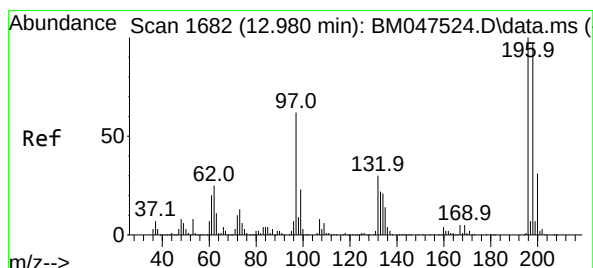
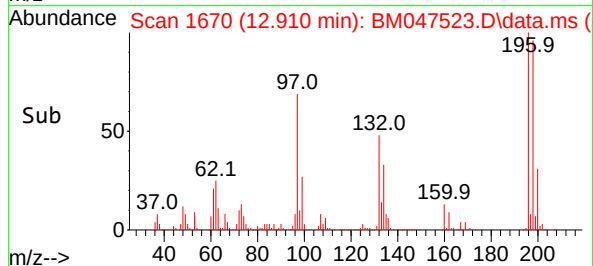
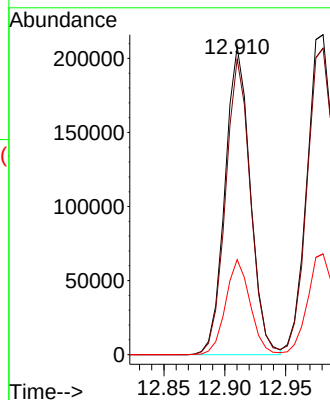
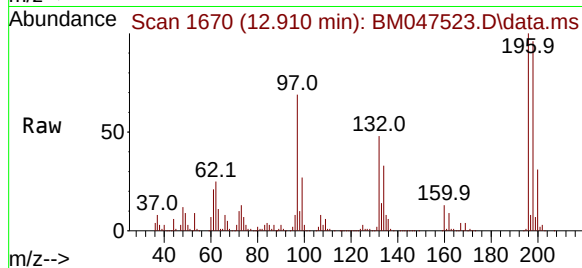
Tgt Ion:196 Resp: 300506

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

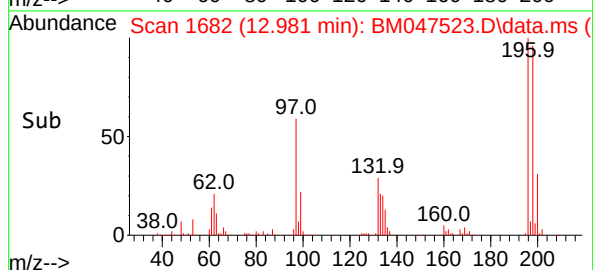
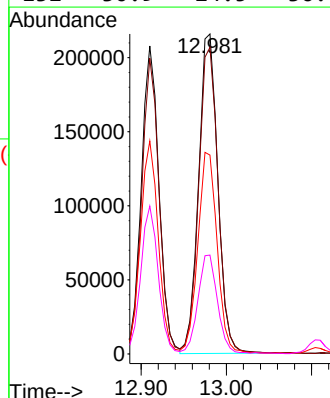
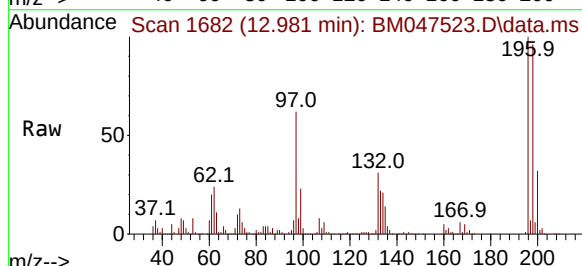
Ion Ratio Lower Upper

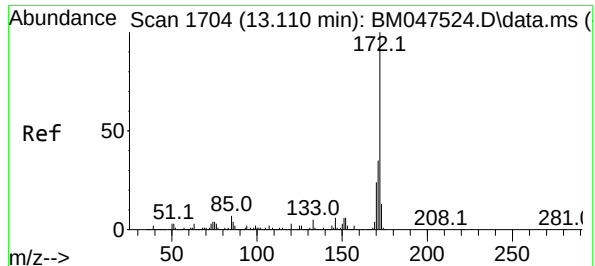
196 100

198 95.8 77.4 116.2

97 62.1 49.8 74.8

132 30.9 24.5 36.7

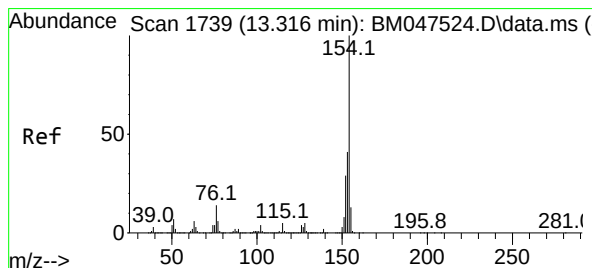
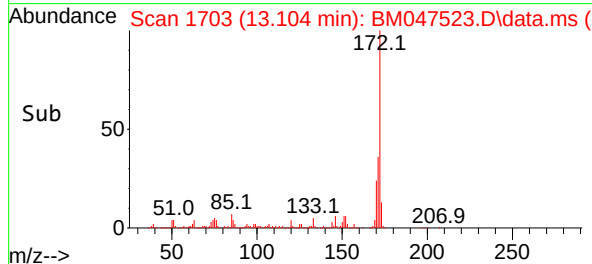
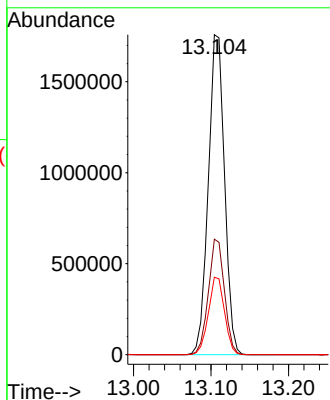
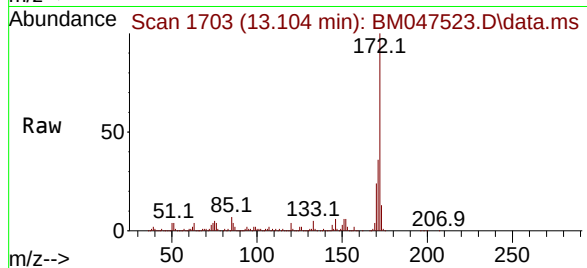




#45
2-Fluorobiphenyl
Concen: 38.163 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

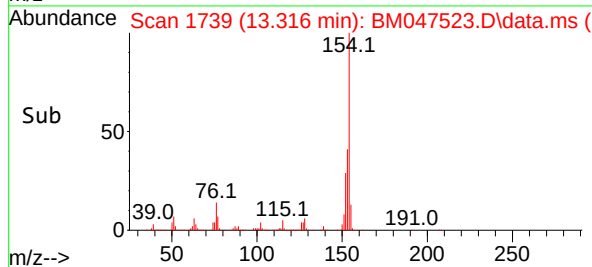
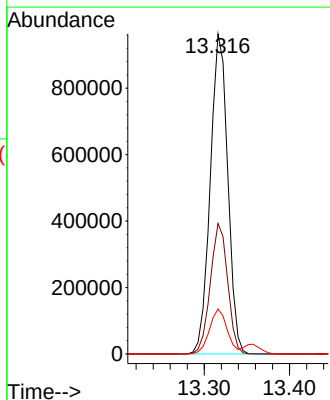
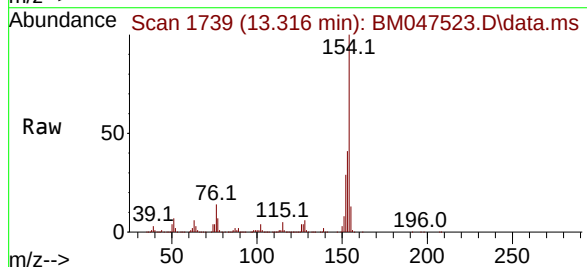
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

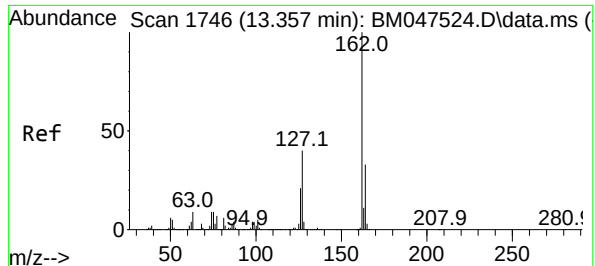
Tgt Ion:172 Resp: 2559019
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.2
170 24.2 19.4 29.0



#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# 1746

Delta R.T. 0.000 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

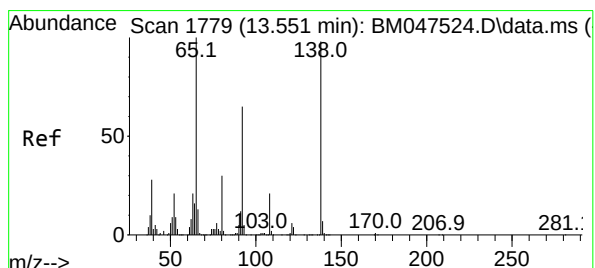
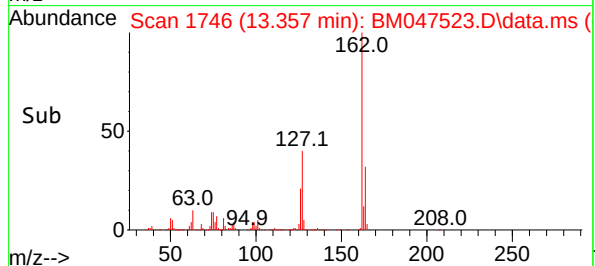
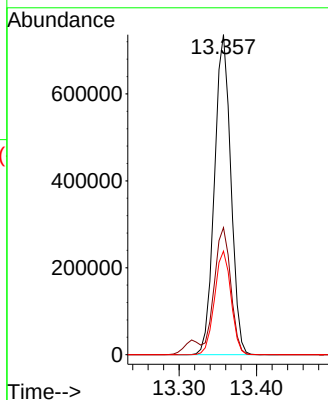
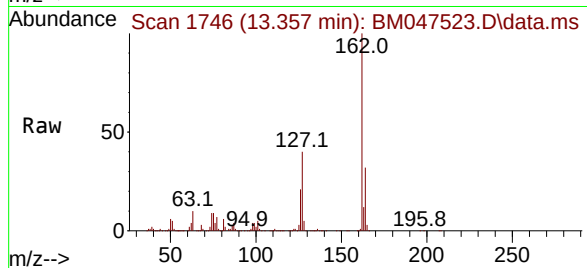
Tgt Ion:162 Resp: 1079485

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

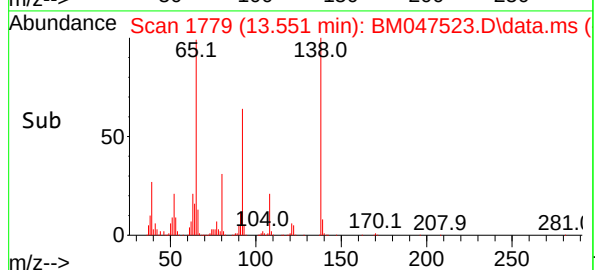
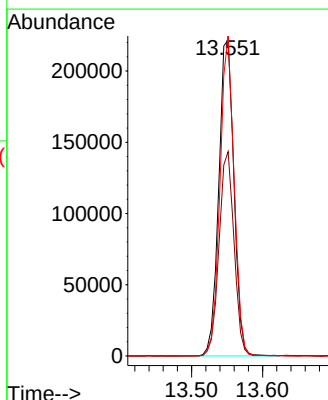
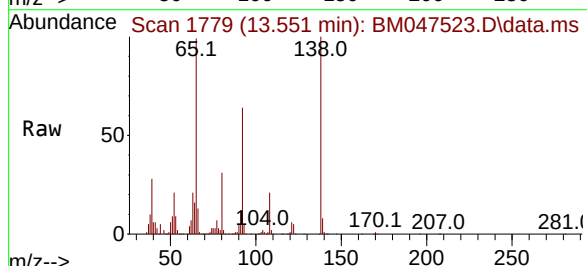
Tgt Ion: 65 Resp: 327621

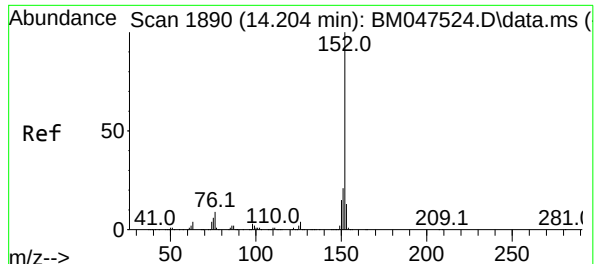
Ion Ratio Lower Upper

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# 1890

Delta R.T. 0.000 min

Lab File: BM047523.D

Acq: 14 Sep 2024 13:55

Instrument :

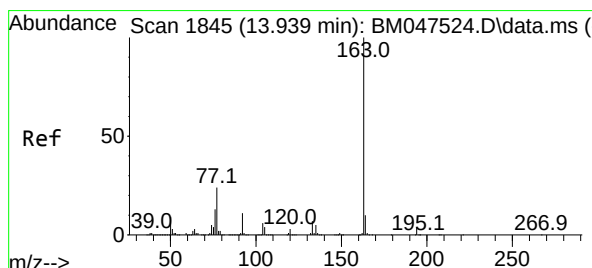
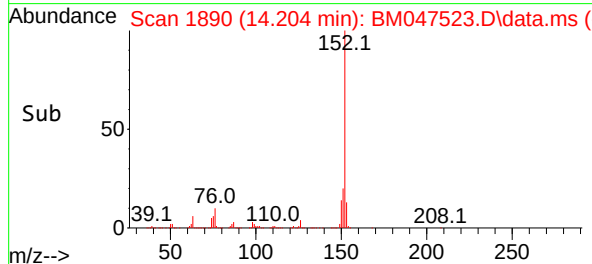
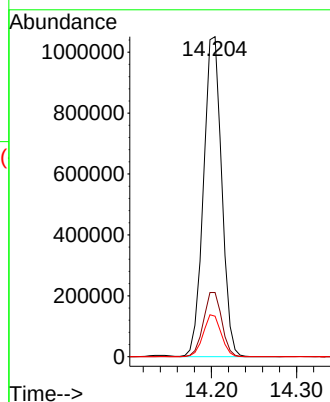
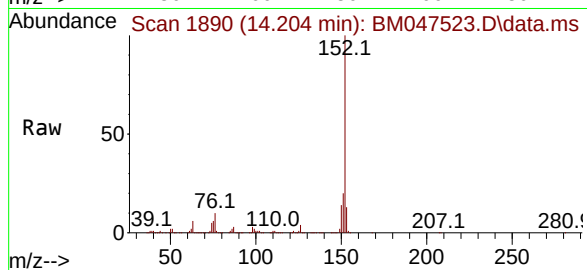
BNA_M

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

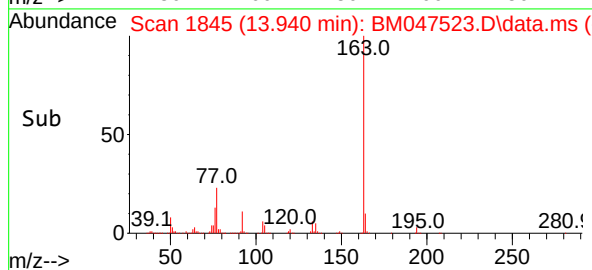
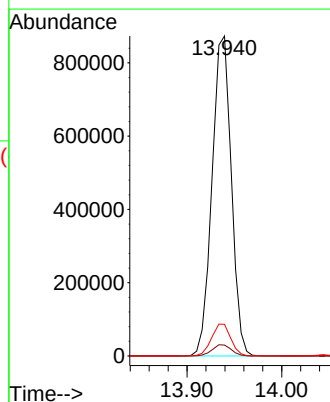
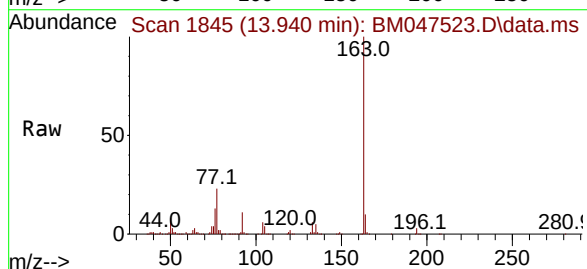
Delta R.T. 0.000 min

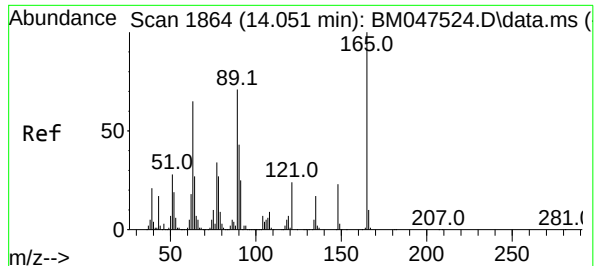
Lab File: BM047523.D

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

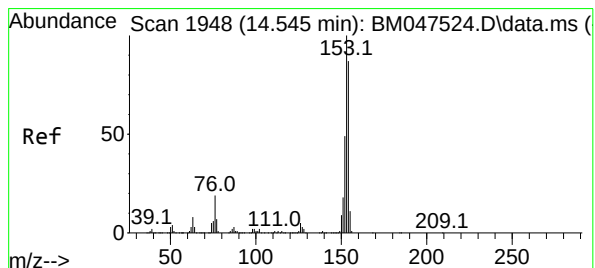
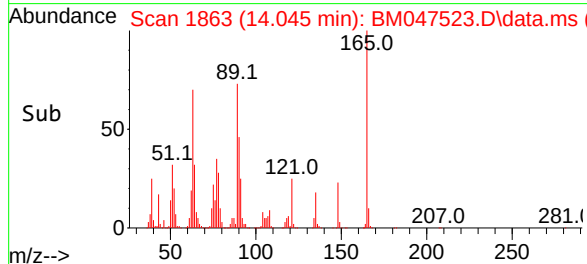
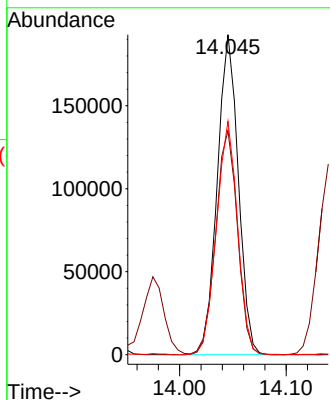
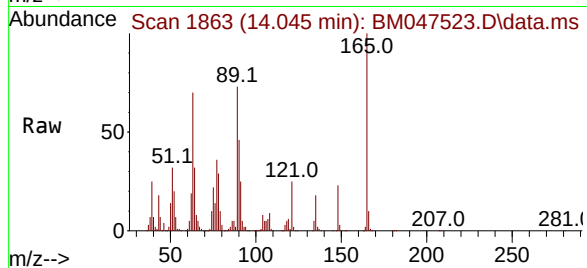




#51
2,6-Dinitrotoluene
Concen: 19.825 ng
RT: 14.045 min Scan# 1863
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

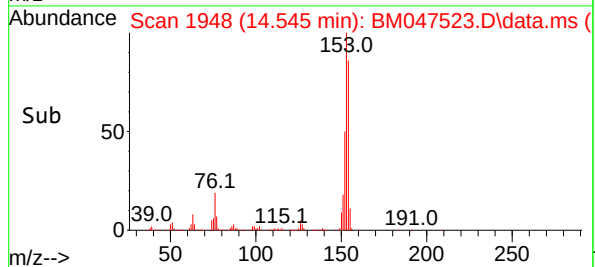
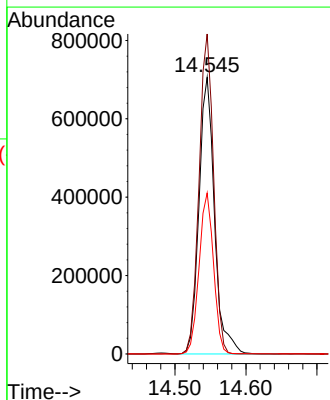
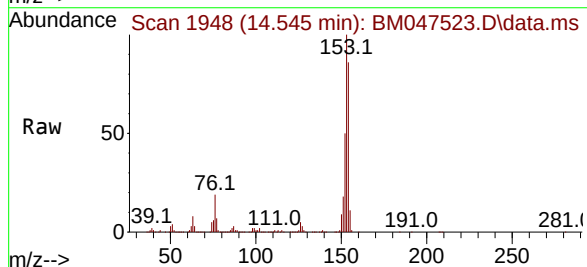
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

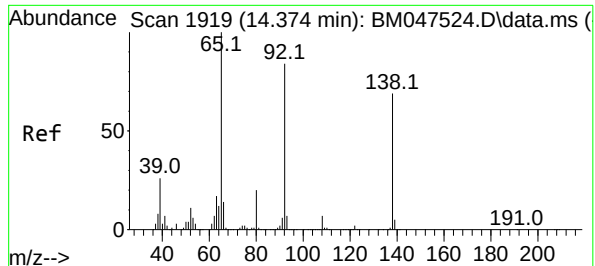
Tgt Ion:165 Resp: 263492
Ion Ratio Lower Upper
165 100
63 70.1 54.2 81.2
89 72.9 56.4 84.6



#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

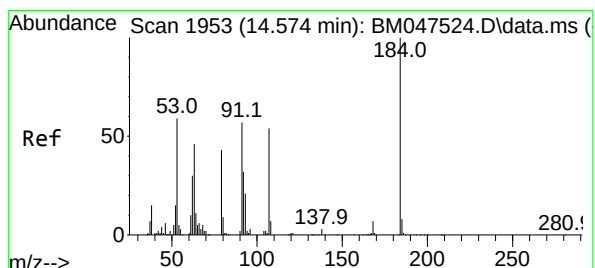
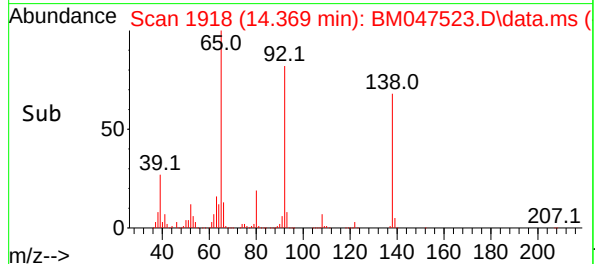
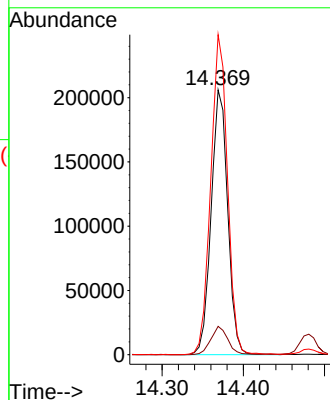
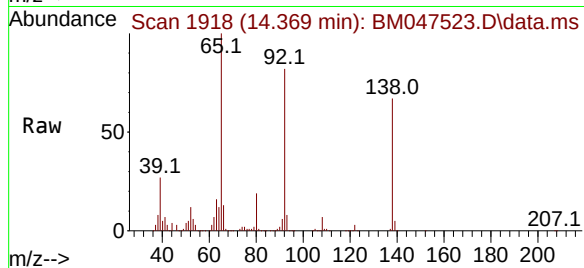




#53
3-Nitroaniline
Concen: 19.730 ng
RT: 14.369 min Scan# 1918
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

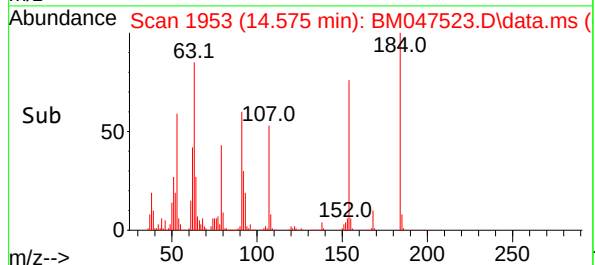
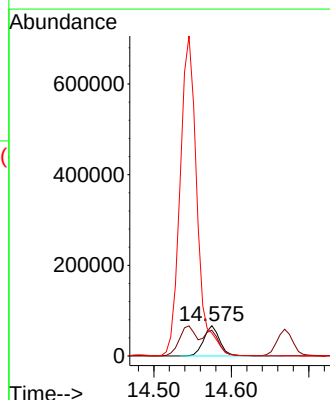
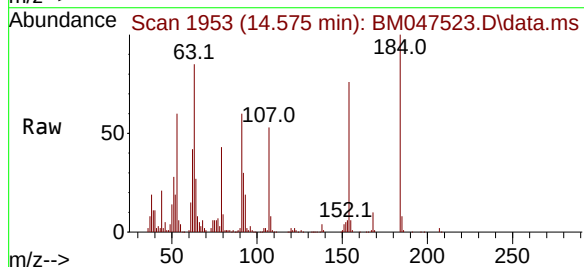
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

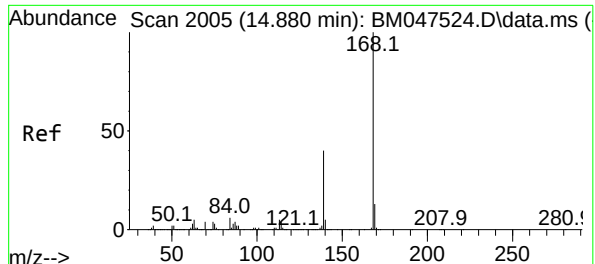
Tgt Ion:138 Resp: 291462
Ion Ratio Lower Upper
138 100
108 10.7 8.0 12.0
92 120.9 97.4 146.0



#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

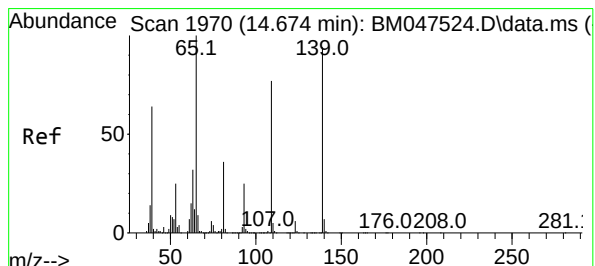
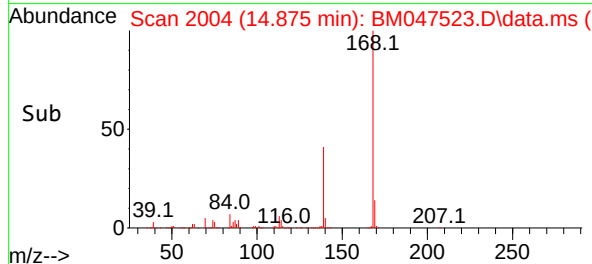
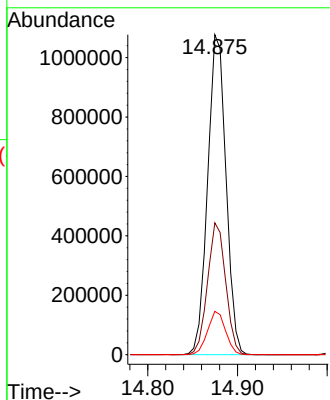
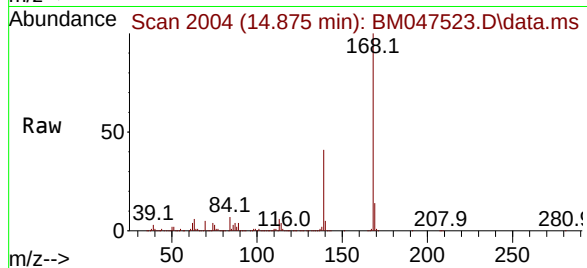




#55
Dibenzenofuran
Concen: 19.279 ng
RT: 14.875 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

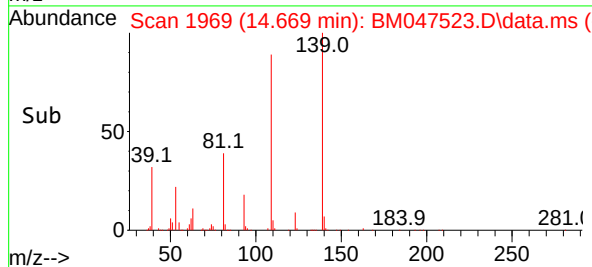
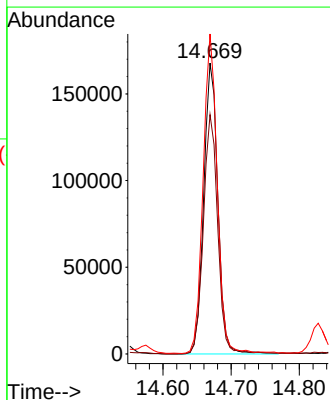
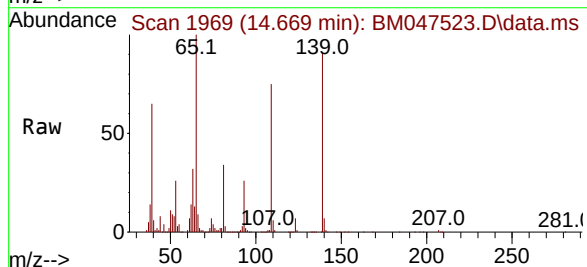
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

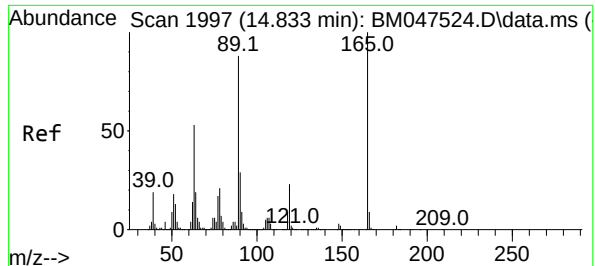
Tgt Ion:168 Resp: 1528665
Ion Ratio Lower Upper
168 100
139 41.2 31.9 47.9
169 13.6 10.5 15.7



#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

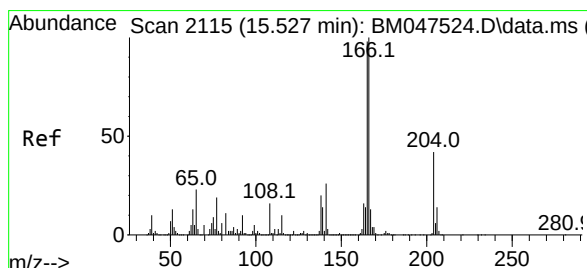
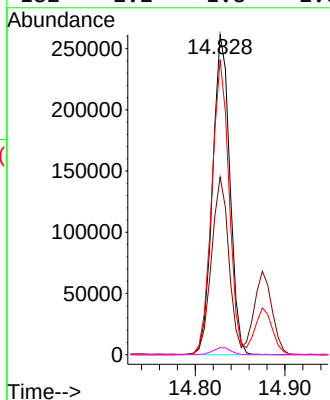
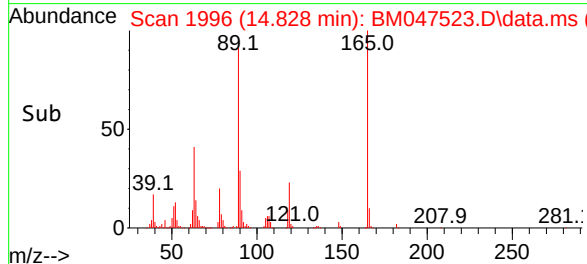
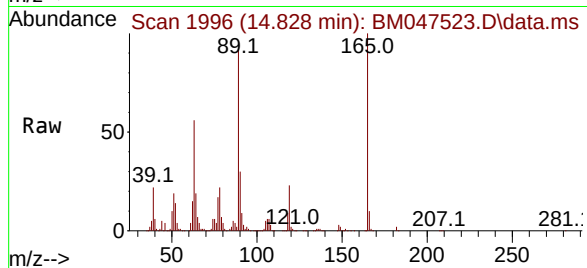




#57
2,4-Dinitrotoluene
Concen: 19.678 ng
RT: 14.828 min Scan# 1996
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

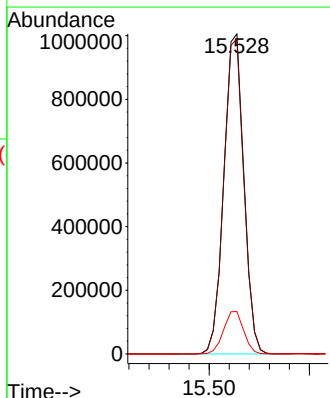
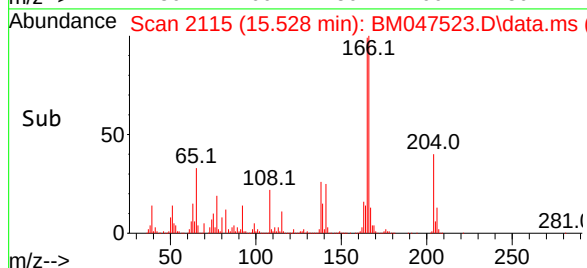
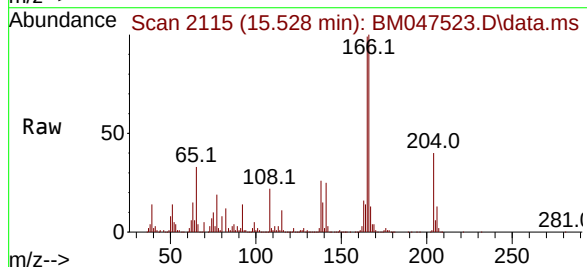
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

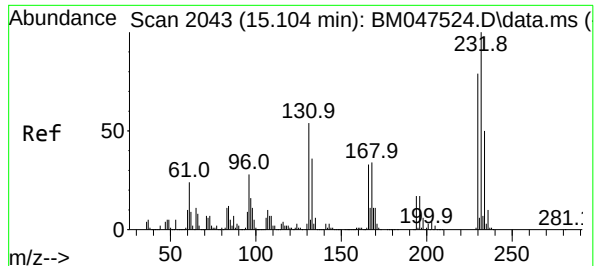
Tgt Ion:165 Resp: 348812
Ion Ratio Lower Upper
165 100
63 55.5 42.4 63.6
89 92.2 70.5 105.7
182 2.2 1.8 2.6



#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# 2042

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

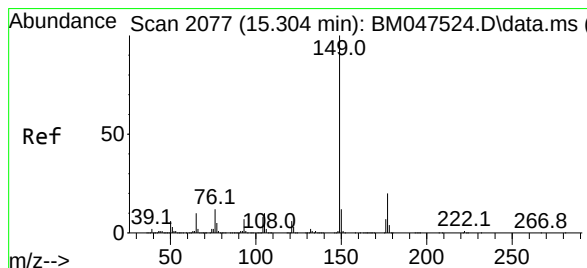
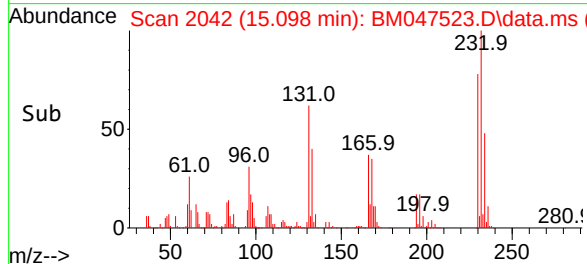
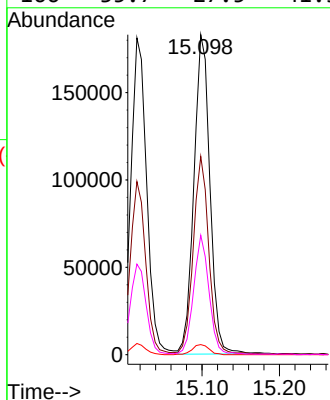
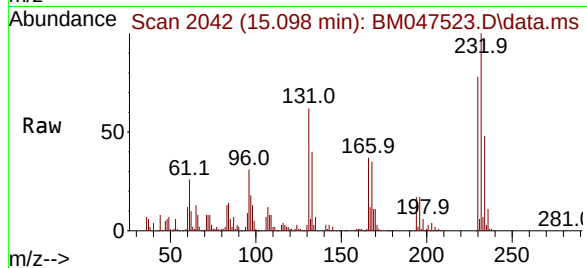
Ion Ratio Lower Upper

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

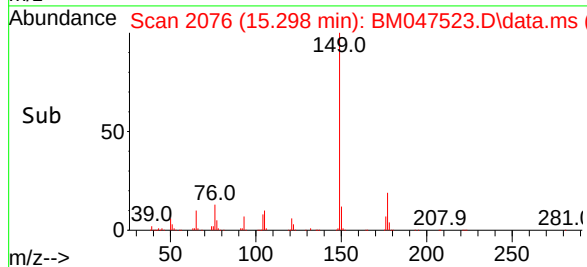
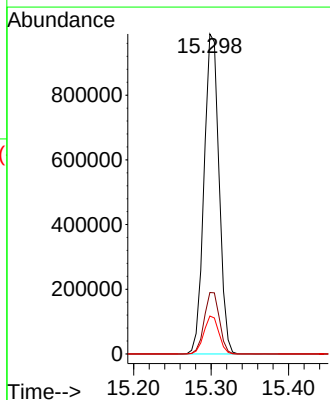
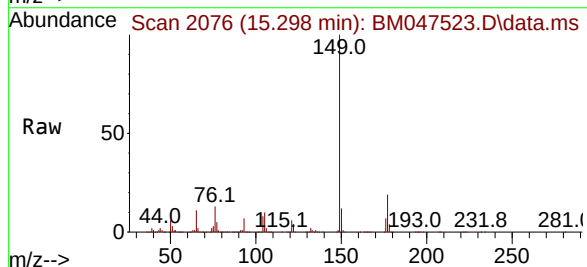
Tgt Ion:149 Resp: 1325288

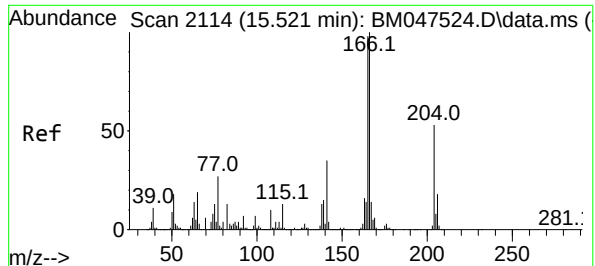
Ion Ratio Lower Upper

149 100

177 19.2 15.8 23.8

150 11.8 9.7 14.5

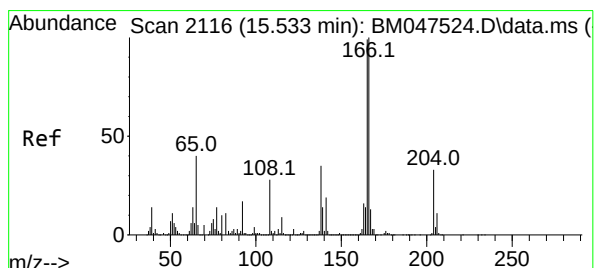
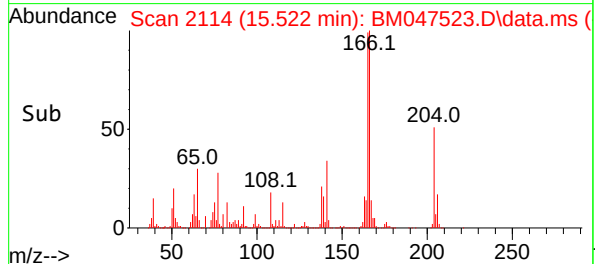
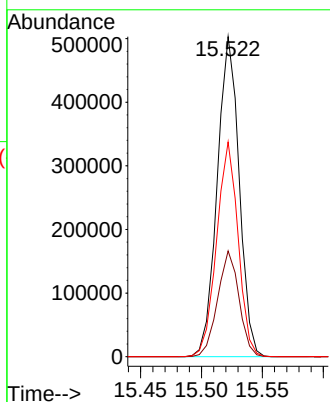
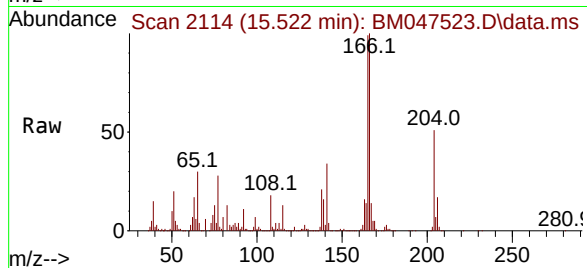




#61
4-Chlorophenyl-phenylether
Concen: 19.318 ng
RT: 15.522 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

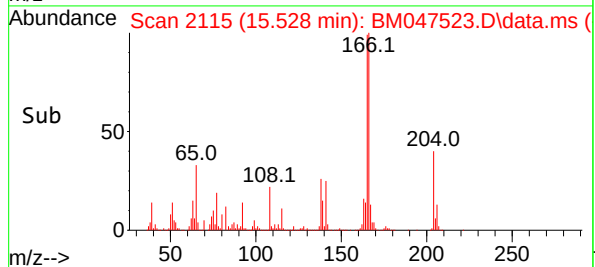
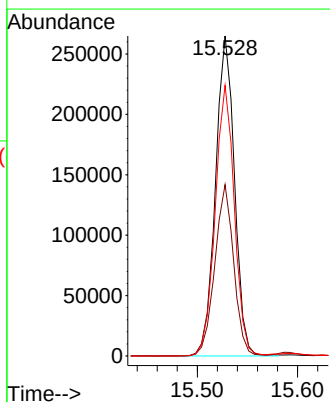
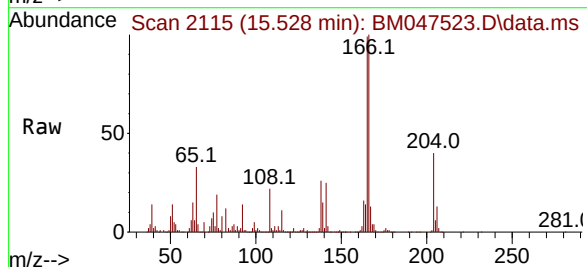
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

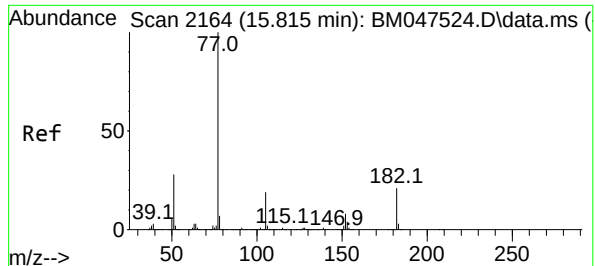
Tgt Ion:204 Resp: 630563
Ion Ratio Lower Upper
204 100
206 33.0 26.5 39.7
141 67.1 52.1 78.1



#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

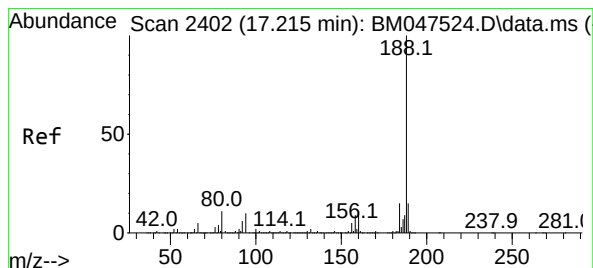
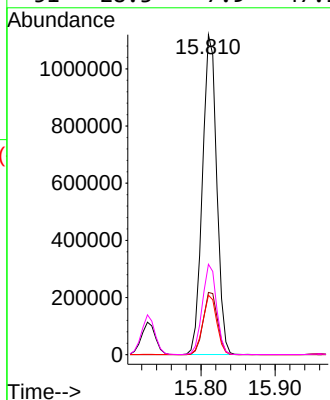
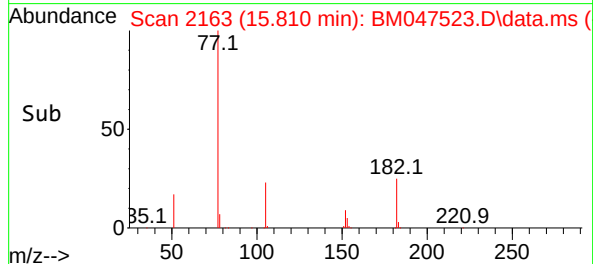
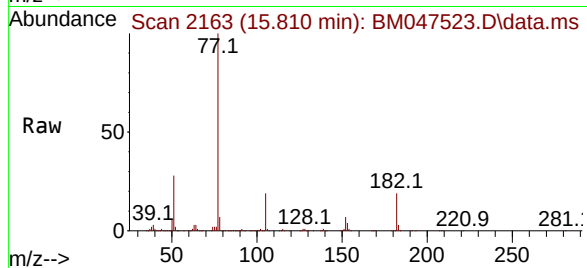




#63
Azobenzene
Concen: 20.288 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

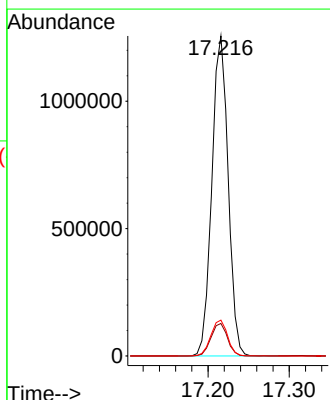
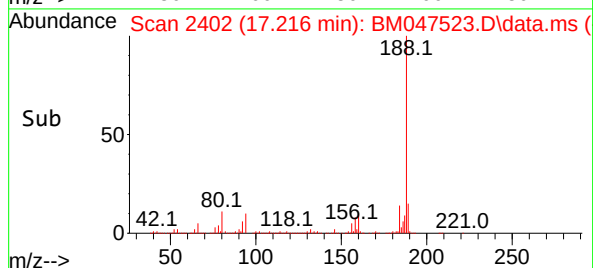
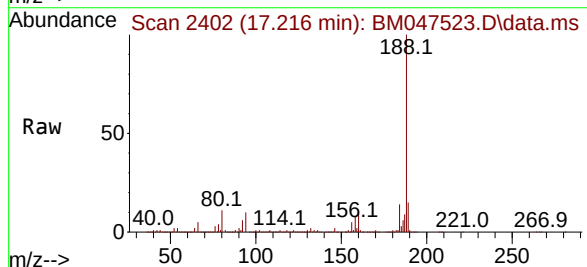
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

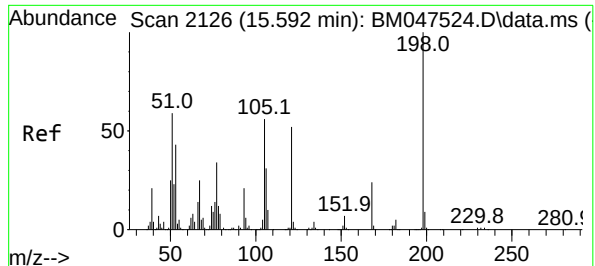
Tgt Ion: 77 Resp: 1496804
Ion Ratio Lower Upper
77 100
182 19.4 1.2 41.2
105 18.6 0.0 39.4
51 28.3 7.9 47.9



#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

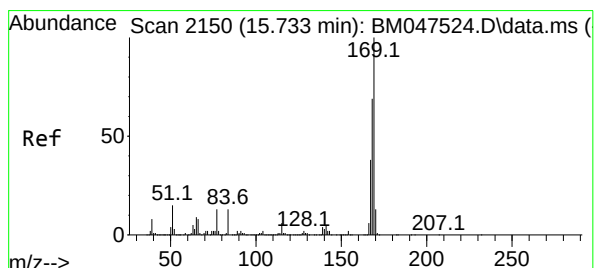
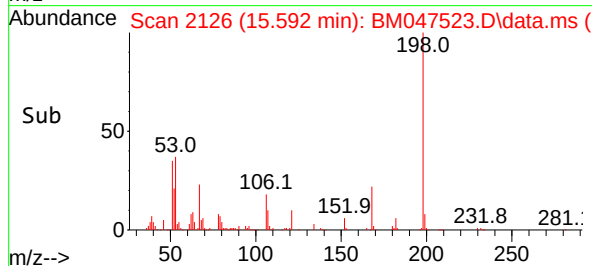
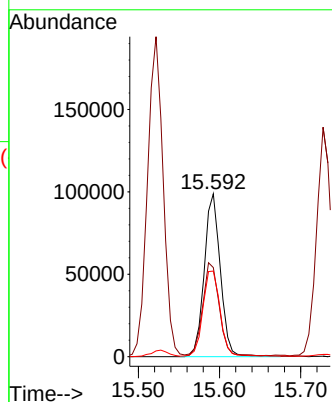
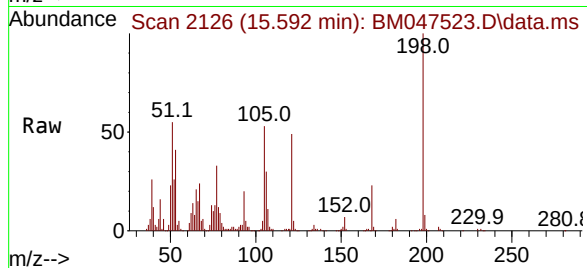




#65
4,6-Dinitro-2-methylphenol
Concen: 20.104 ng
RT: 15.592 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

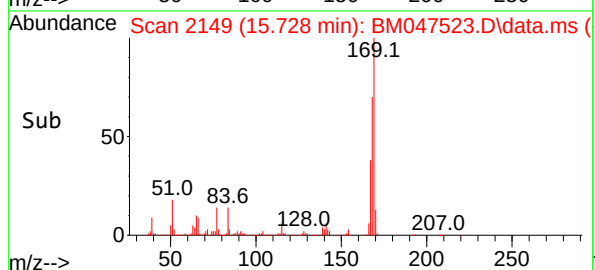
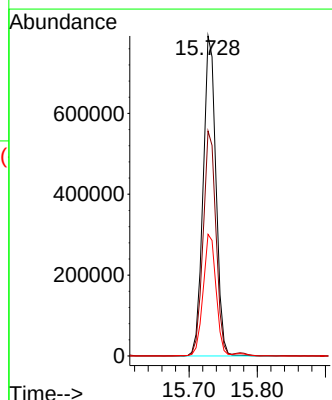
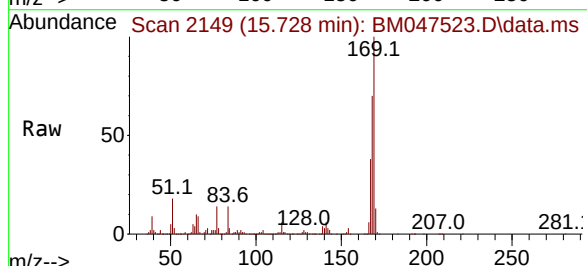
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

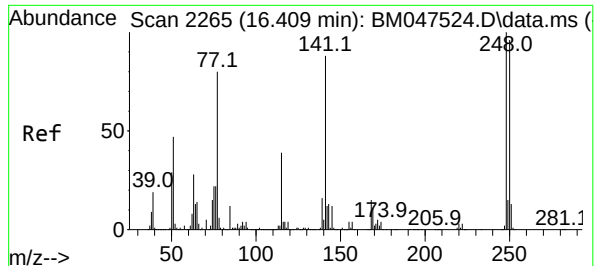
Tgt Ion:198 Resp: 135667
Ion Ratio Lower Upper
198 100
51 54.7 41.5 81.5
105 52.5 36.4 76.4



#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

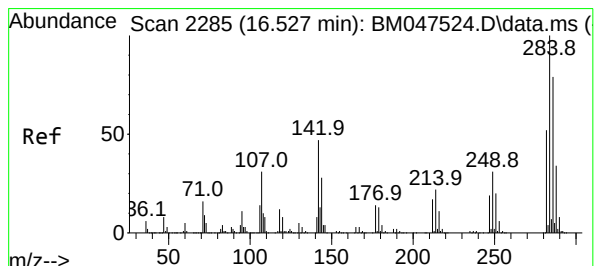
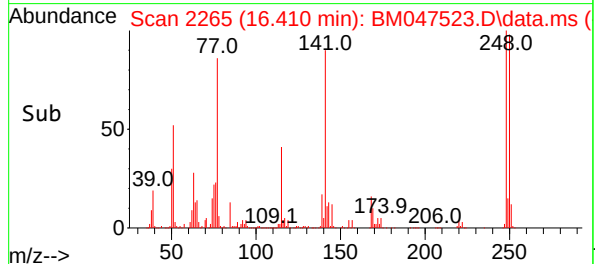
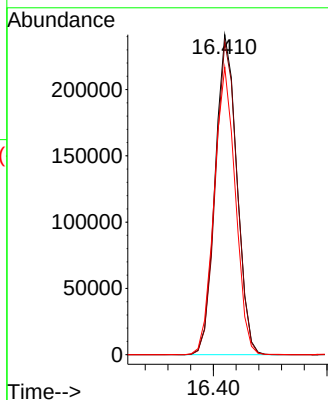
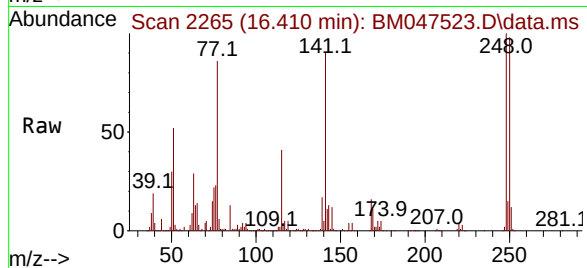




#67
4-Bromophenyl-phenylether
Concen: 18.807 ng
RT: 16.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

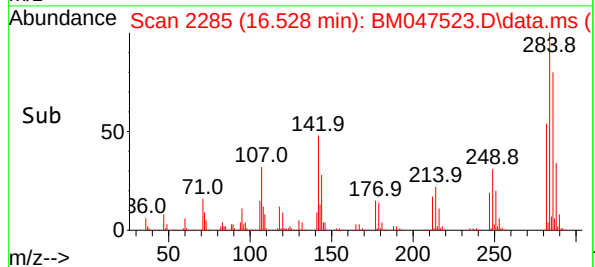
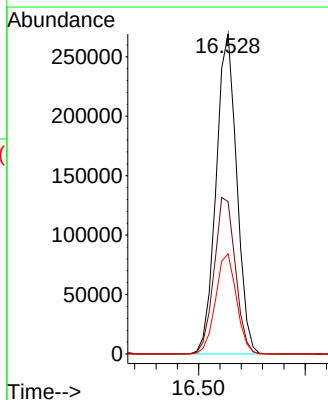
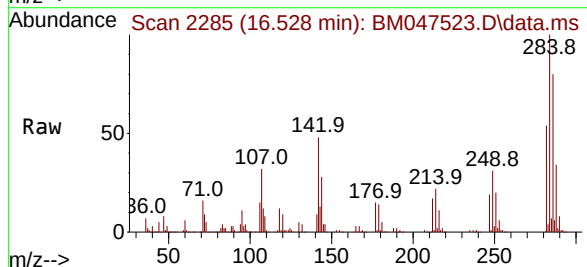
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

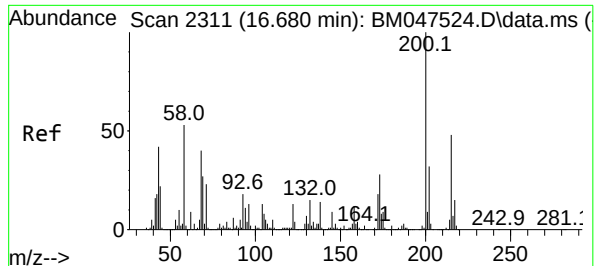
Tgt Ion:248 Resp: 320141
Ion Ratio Lower Upper
248 100
250 97.8 76.9 115.3
141 89.8 70.8 106.2



#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

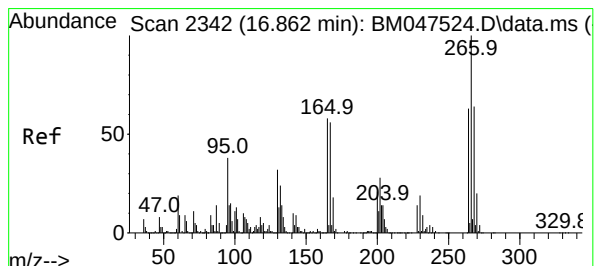
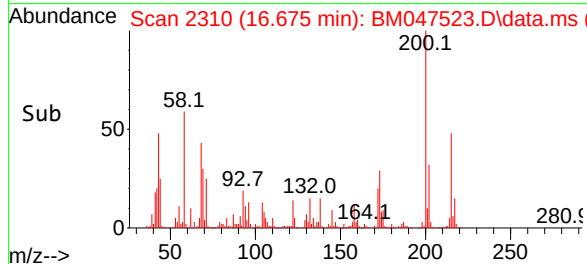
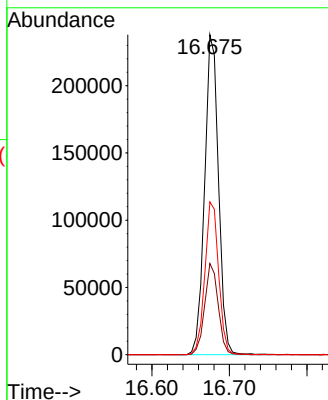
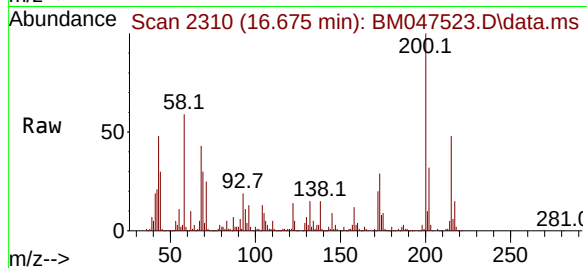




#69
Atrazine
Concen: 19.952 ng
RT: 16.675 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

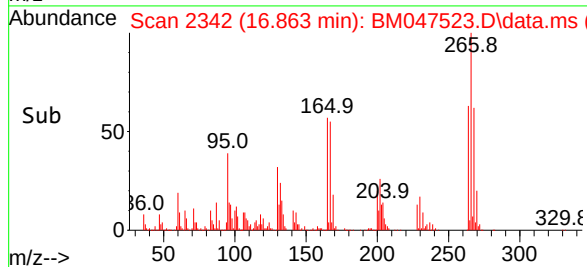
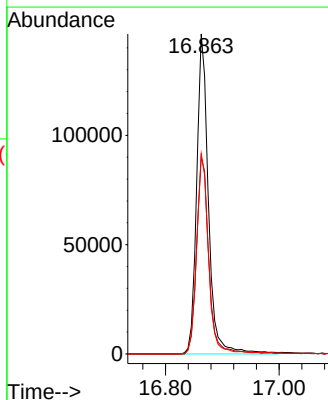
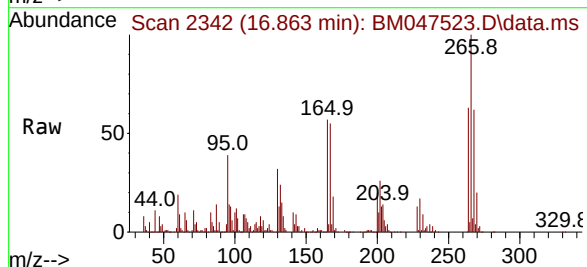
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

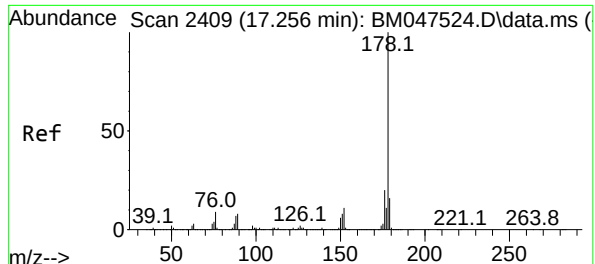
Tgt Ion:200 Resp: 295545
Ion Ratio Lower Upper
200 100
173 28.5 7.7 47.7
215 47.7 27.9 67.9



#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

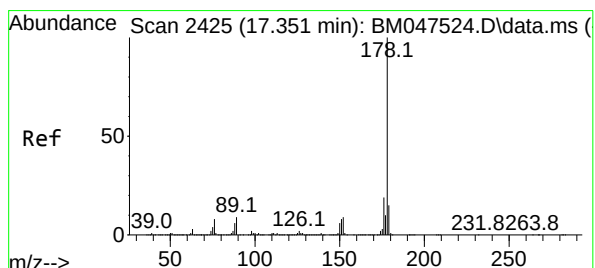
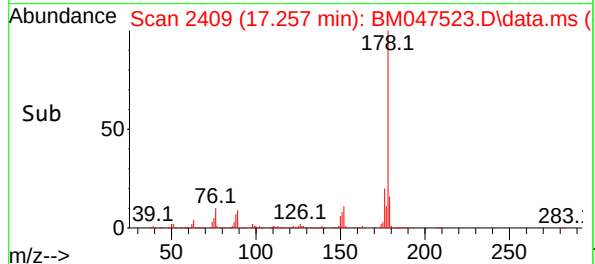
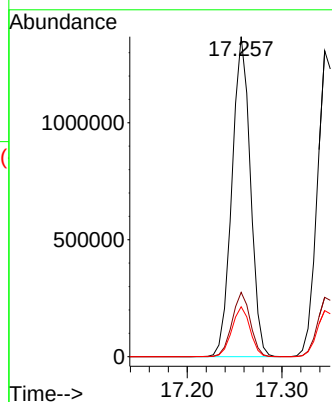
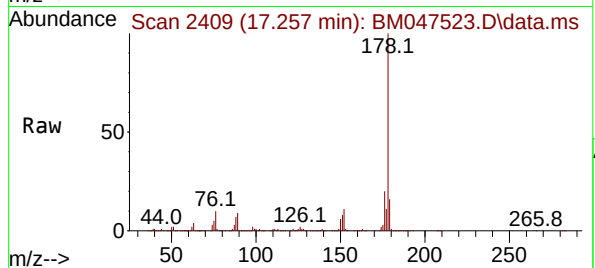




#71
Phenanthrene
Concen: 19.123 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

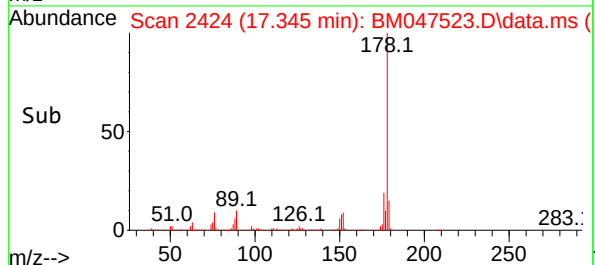
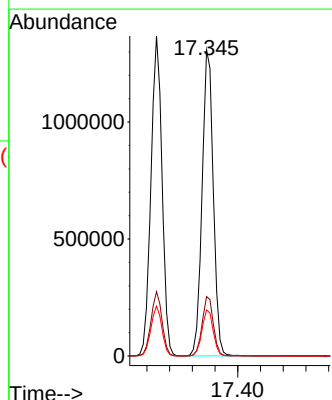
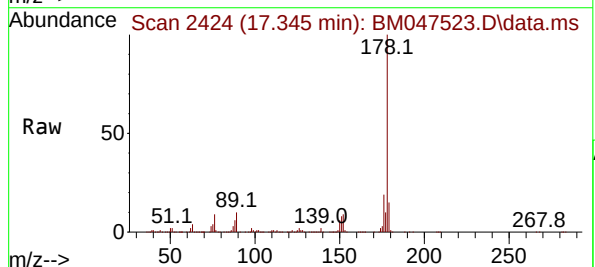
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

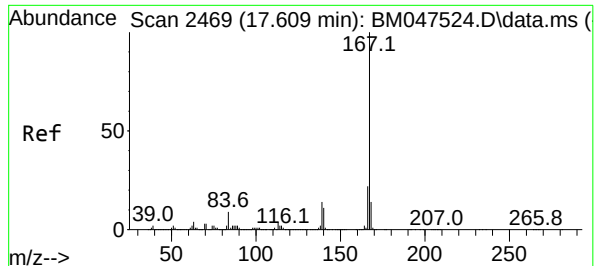
Tgt Ion:178 Resp: 1846292
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 15.6 12.4 18.6



#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

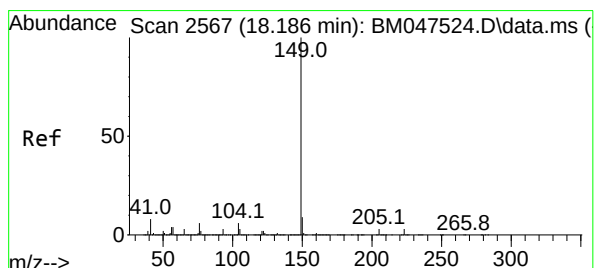
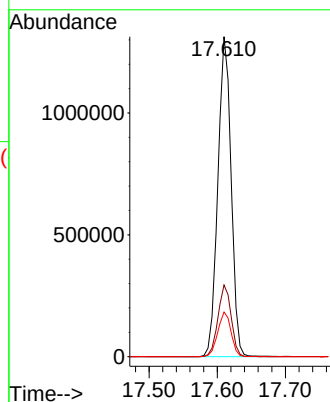
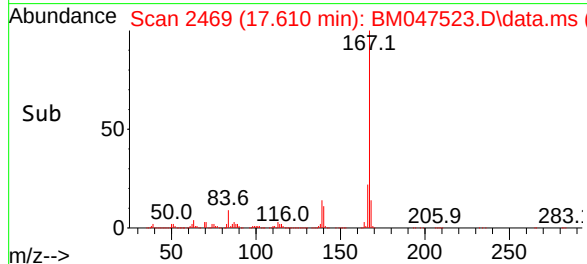
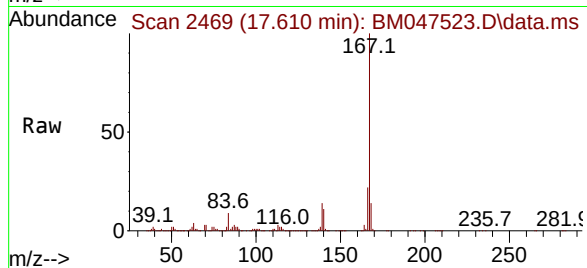




#73
Carbazole
Concen: 19.343 ng
RT: 17.610 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

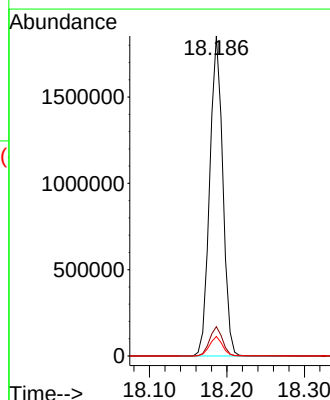
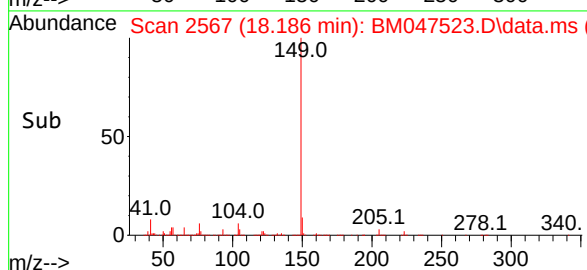
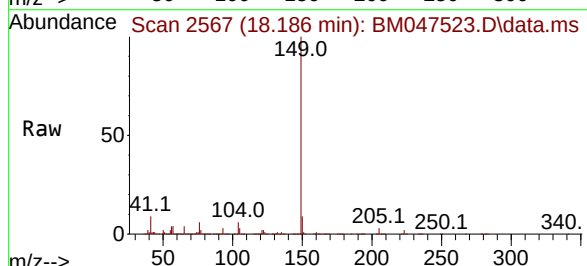
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

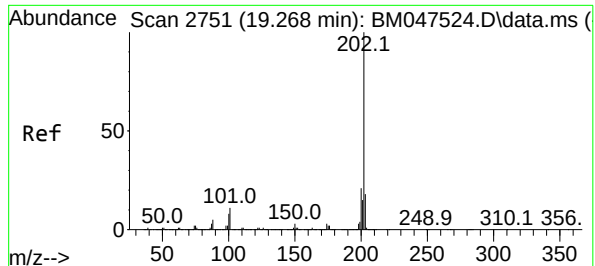
Tgt Ion:167 Resp: 1778076
Ion Ratio Lower Upper
167 100
166 22.4 17.8 26.8
139 14.0 11.0 16.6



#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

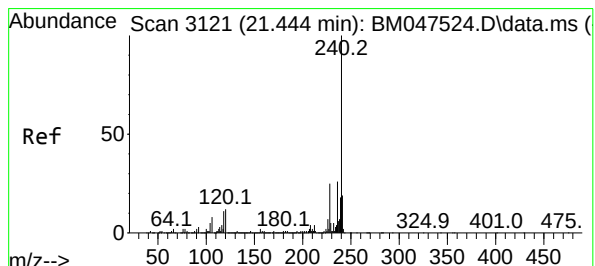
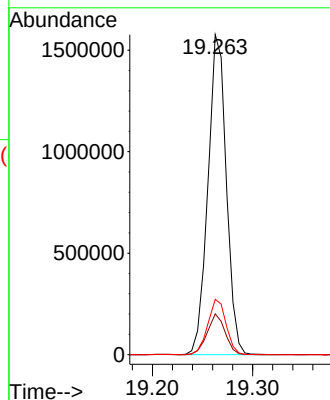
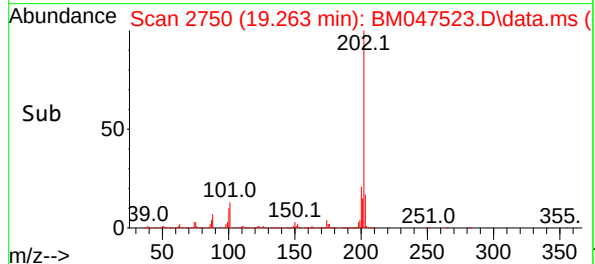
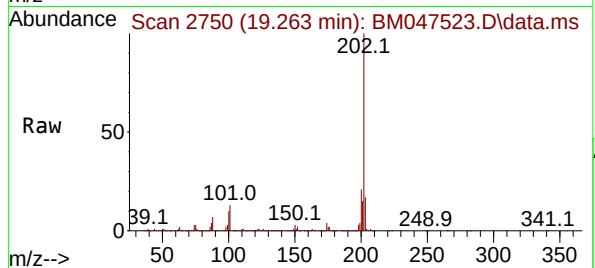




#75
Fluoranthene
Concen: 19.109 ng
RT: 19.263 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

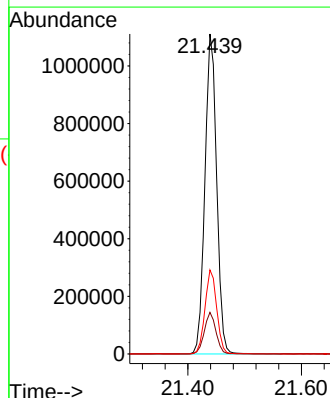
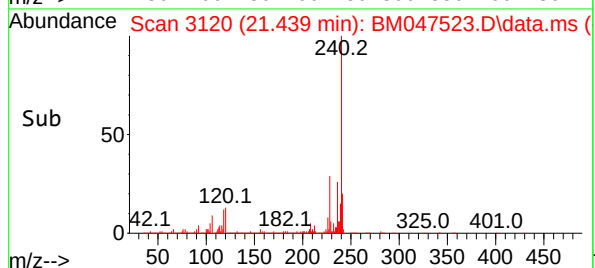
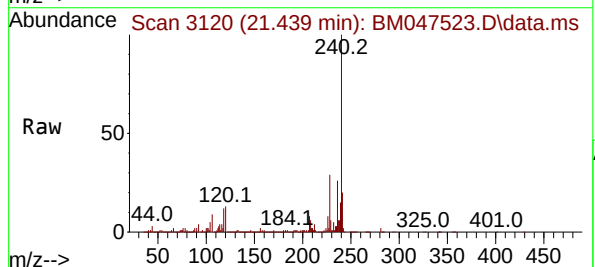
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

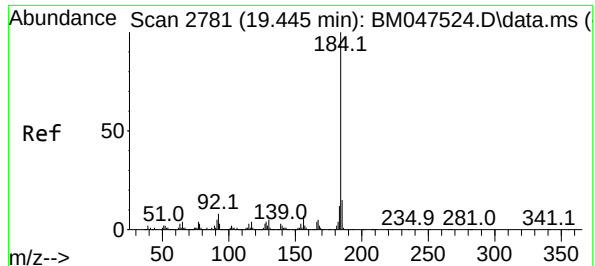
Tgt Ion:202 Resp: 2012958
Ion Ratio Lower Upper
202 100
101 12.8 0.0 30.8
203 17.3 0.0 37.7



#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

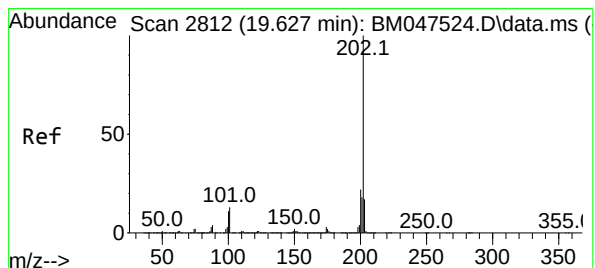
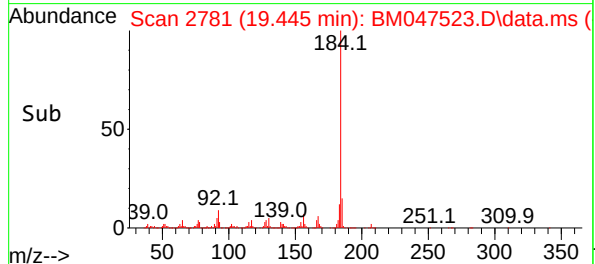
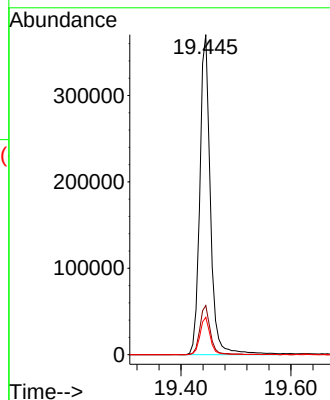
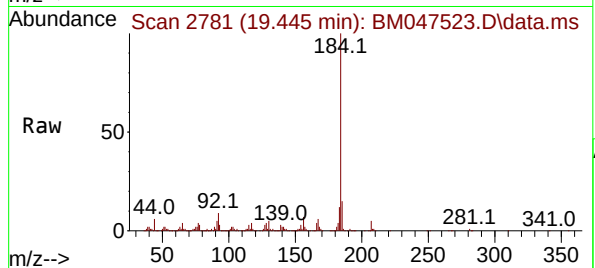




#77
Benzidine
Concen: 22.182 ng
RT: 19.445 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

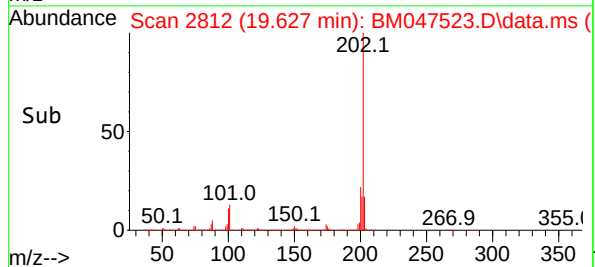
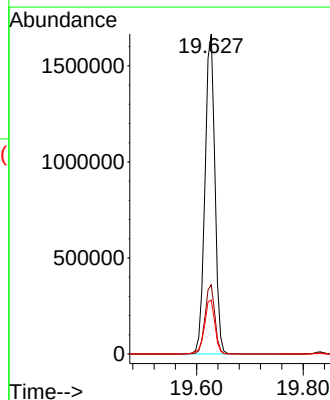
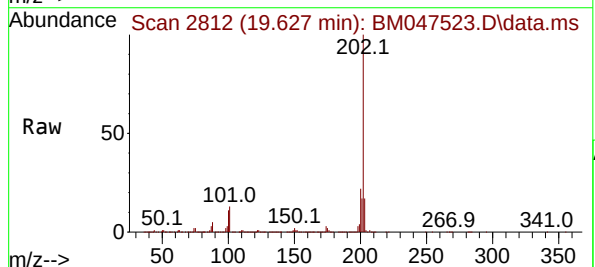
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

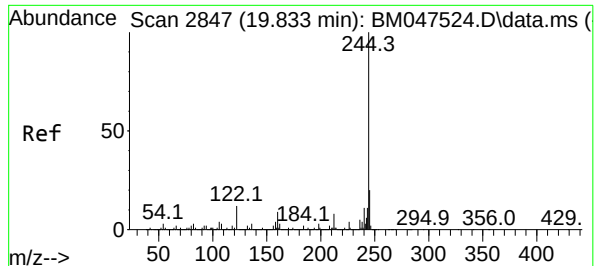
Tgt Ion:184 Resp: 495797
Ion Ratio Lower Upper
184 100
185 15.4 12.2 18.2
183 11.7 9.6 14.4



#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

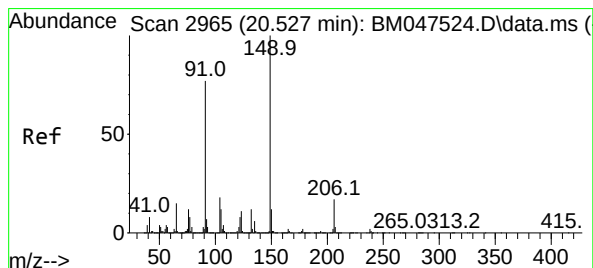
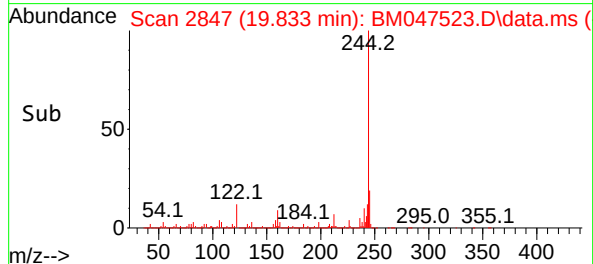
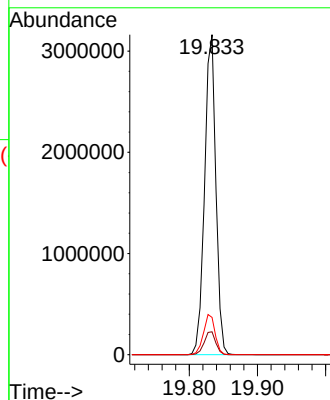
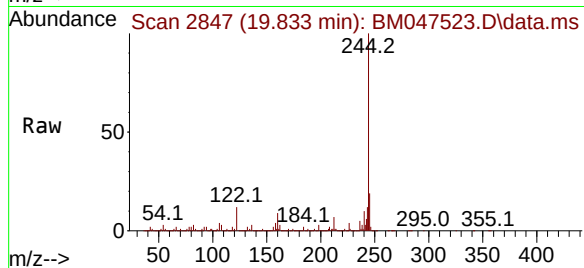




#79
Terphenyl-d14
Concen: 40.931 ng
RT: 19.833 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

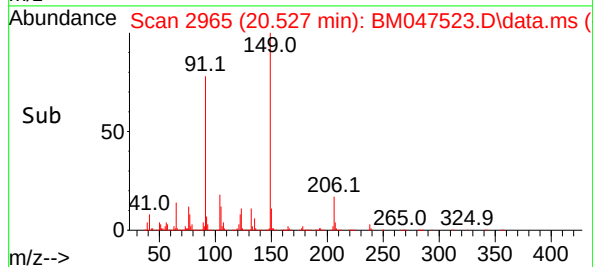
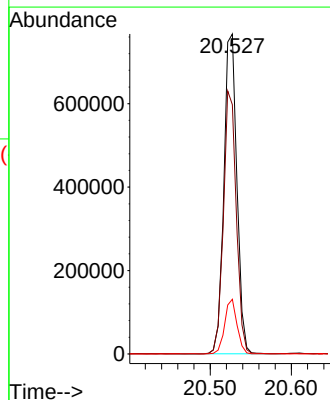
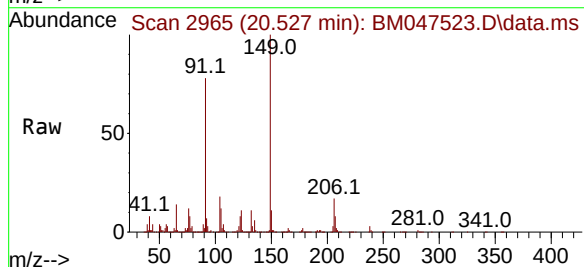
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

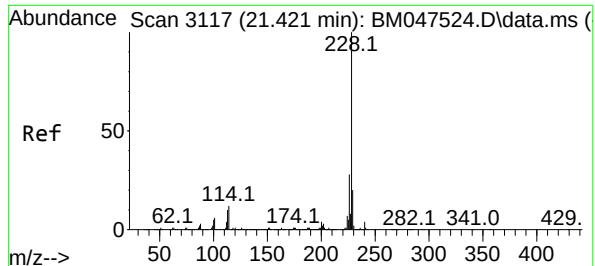
Tgt Ion:244 Resp: 3625135
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.2
122 11.6 9.6 14.4



#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

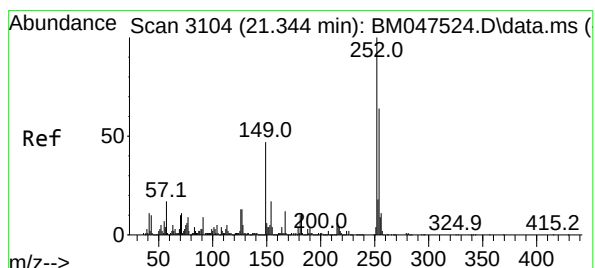
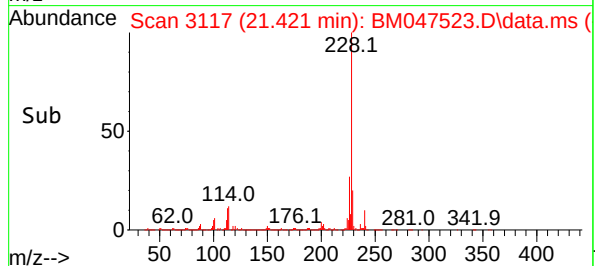
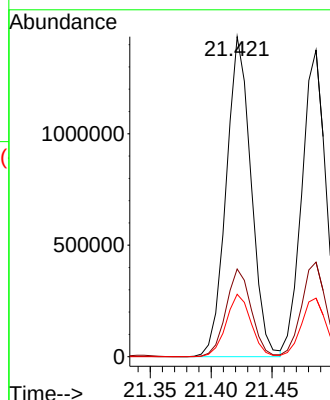
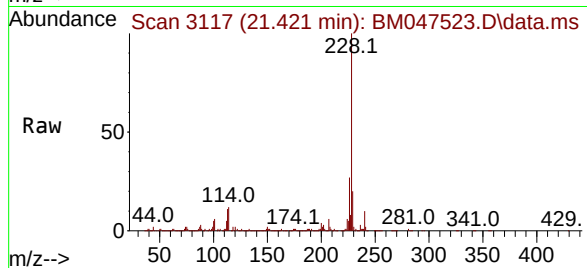




#81
Benzo(a)anthracene
Concen: 19.725 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

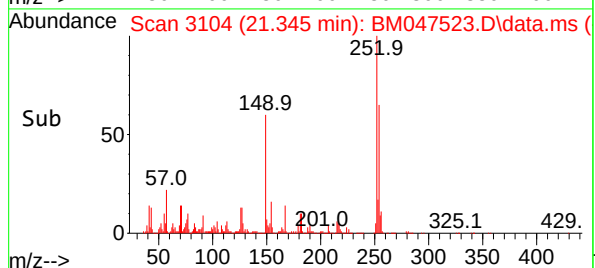
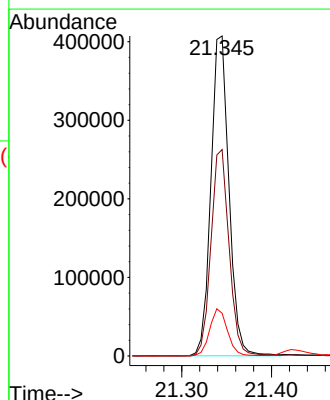
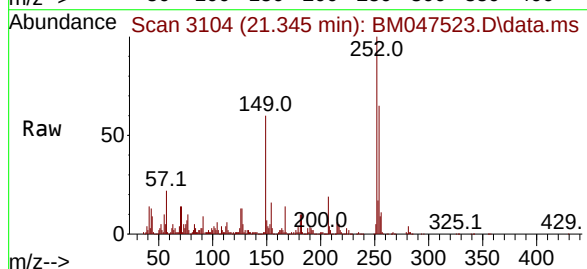
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

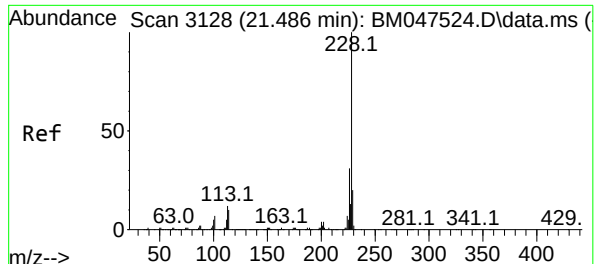
Tgt Ion:228 Resp: 2040458
Ion Ratio Lower Upper
228 100
226 27.4 22.4 33.6
229 19.5 16.0 24.0



#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

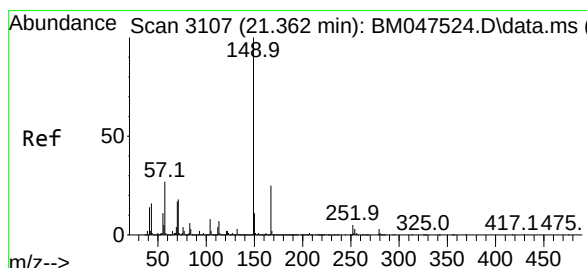
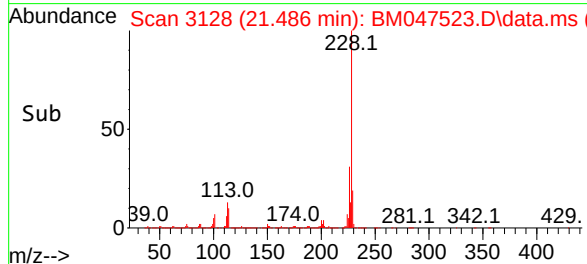
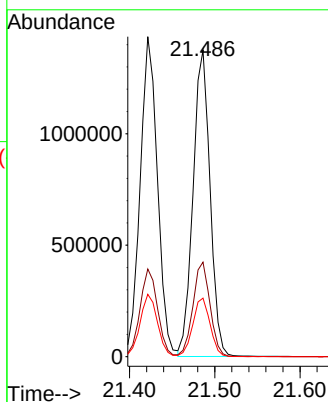
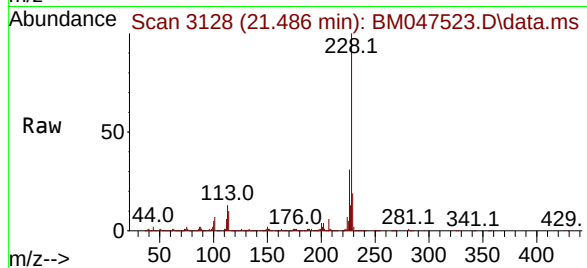




#83
Chrysene
Concen: 19.472 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

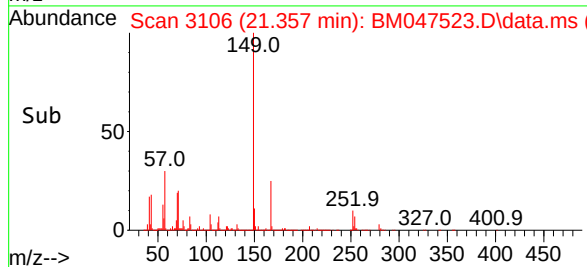
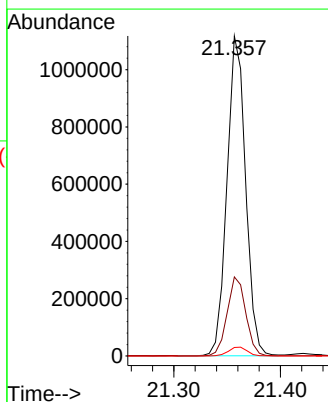
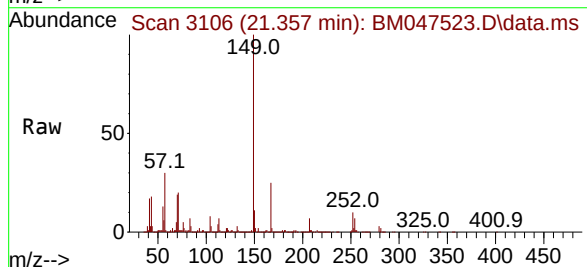
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

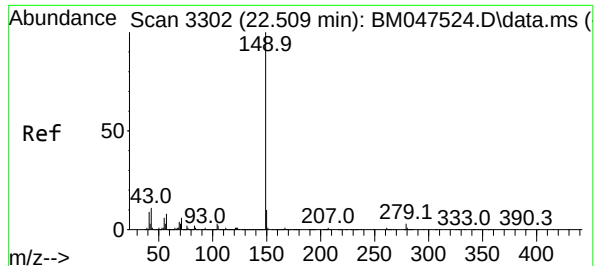
Tgt Ion:228 Resp: 1905289
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 19.1 15.9 23.9



#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

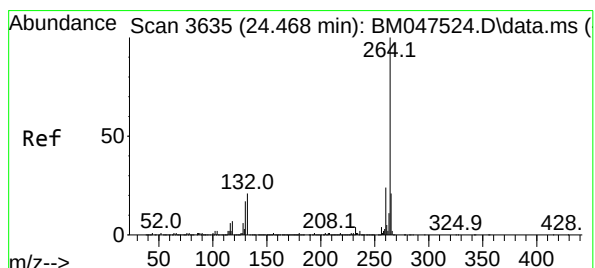
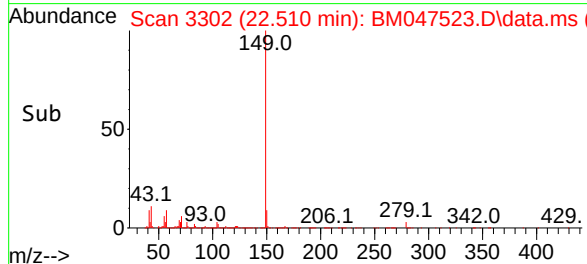
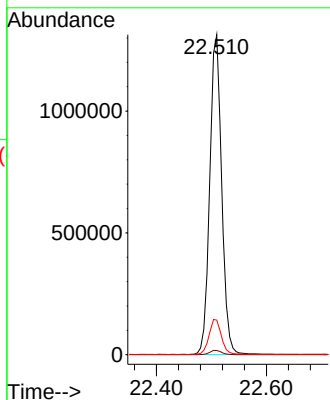
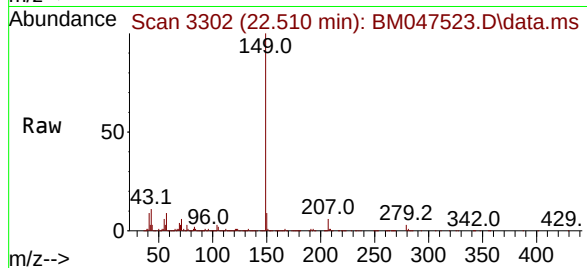




#85
Di-n-octyl phthalate
Concen: 19.984 ng
RT: 22.510 min Scan# 31
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

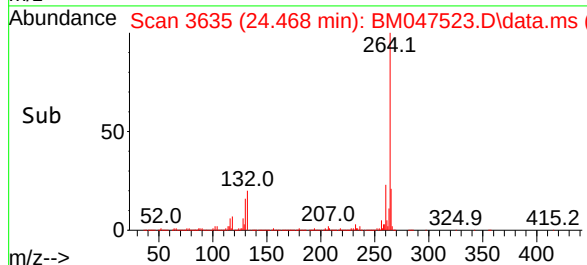
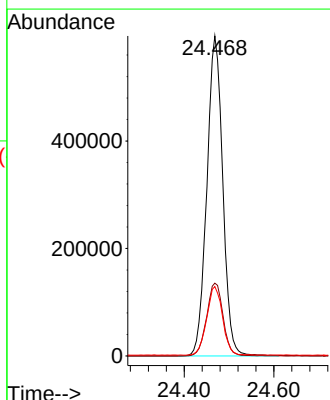
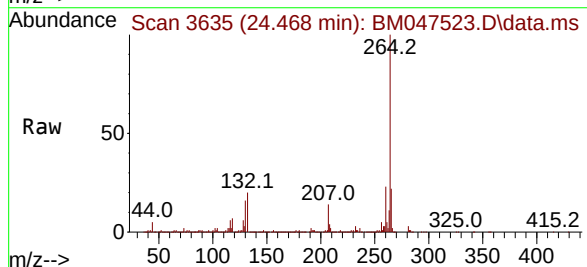
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

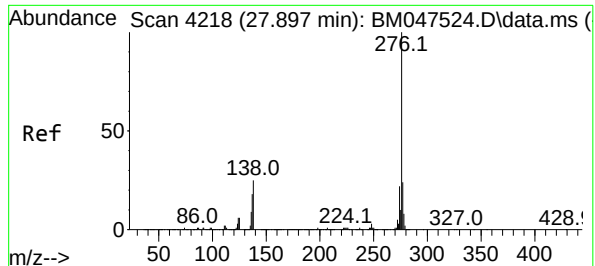
Tgt Ion:149 Resp: 1973400
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 11.5 8.9 13.3



#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

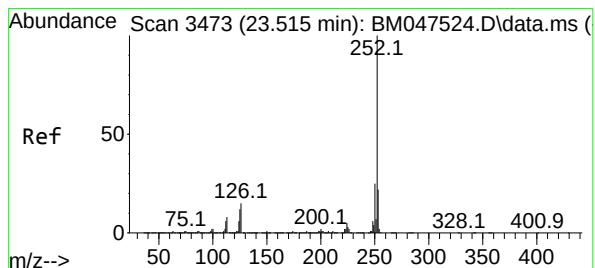
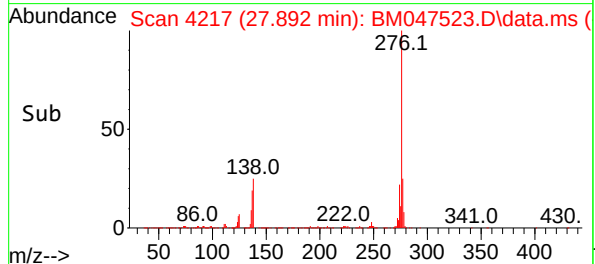
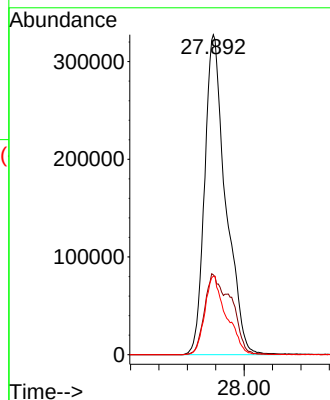
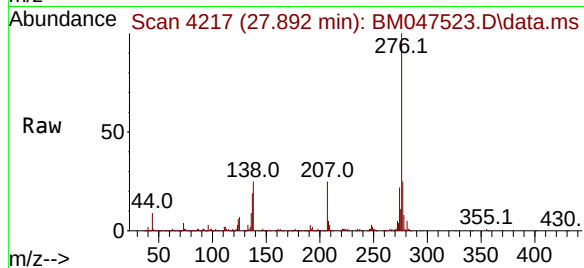




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.253 ng
RT: 27.892 min Scan# 41
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

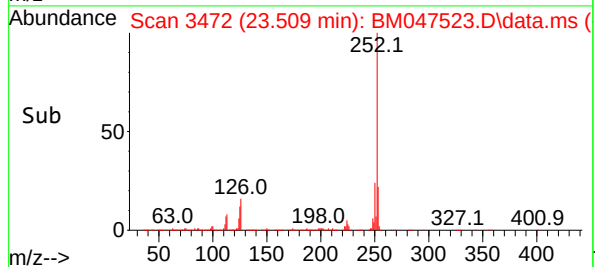
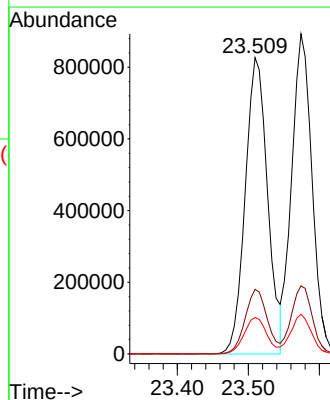
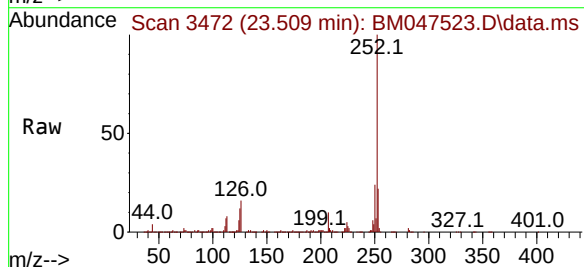
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

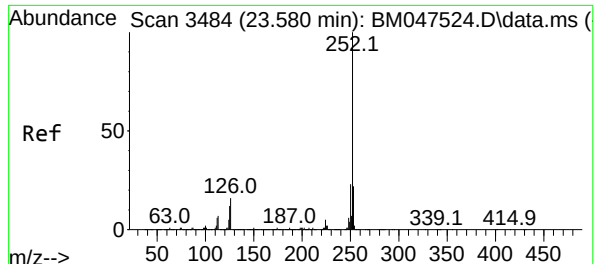
Tgt Ion:276 Resp: 1688895
Ion Ratio Lower Upper
276 100
138 31.7 25.0 37.6
277 25.1 20.1 30.1



#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

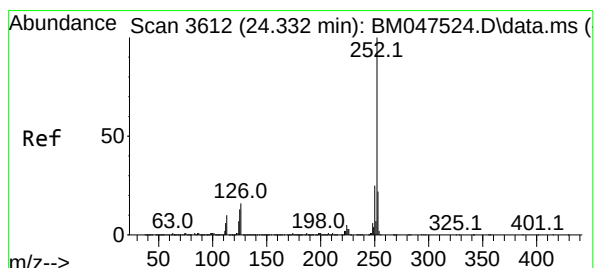
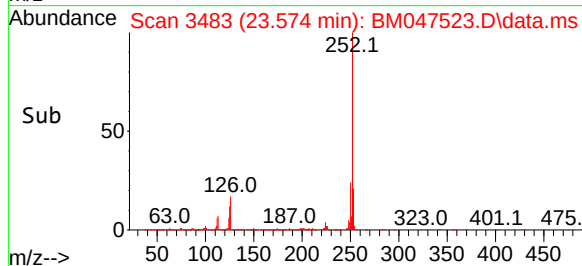
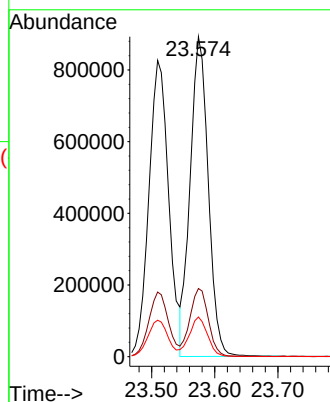
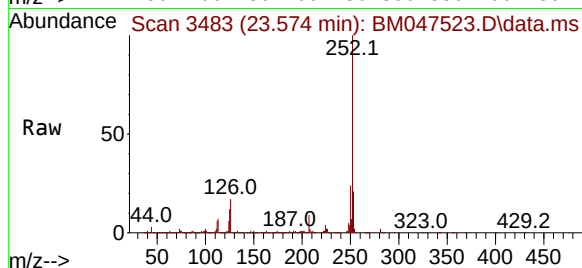
Tgt Ion:252 Resp: 1775972

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

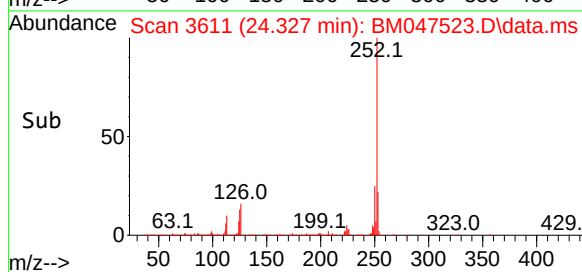
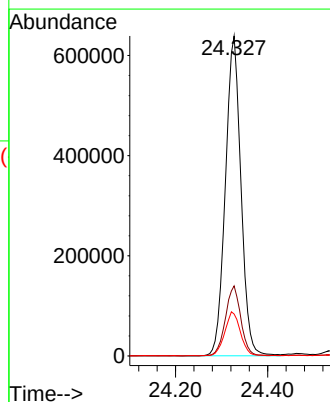
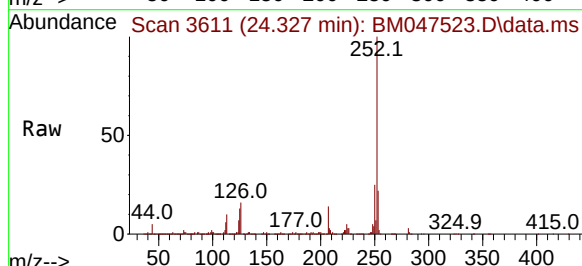
Tgt Ion:252 Resp: 1492255

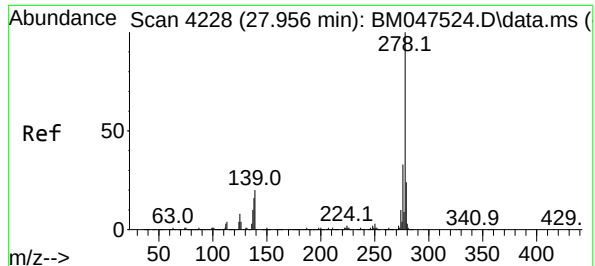
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 13.1 10.2 15.4

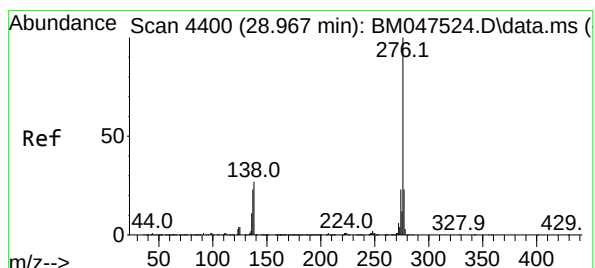
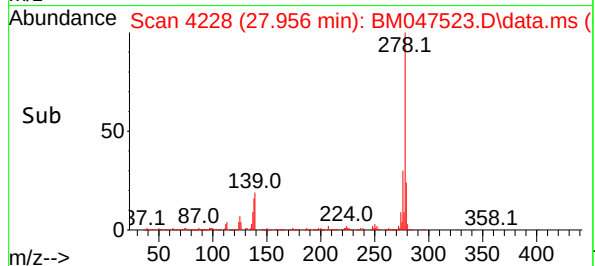
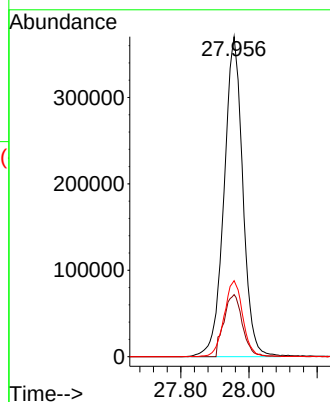
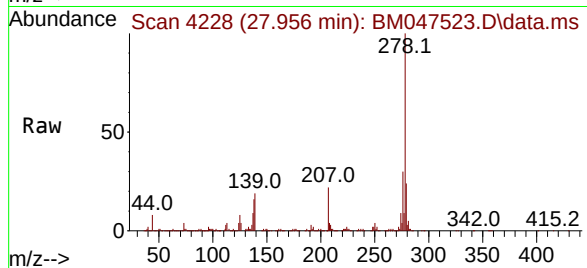




#91
Dibenzo(a,h)anthracene
Concen: 19.153 ng
RT: 27.956 min Scan# 4398
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

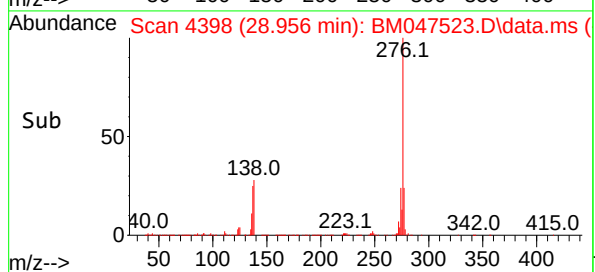
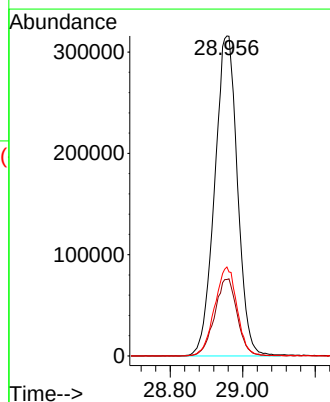
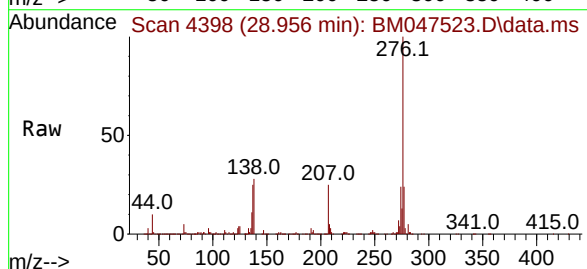
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1413538
Ion Ratio Lower Upper
278 100
139 19.4 15.9 23.9
279 23.8 19.3 28.9



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

Tgt Ion:276 Resp: 1378333
Ion Ratio Lower Upper
276 100
277 23.9 18.6 28.0
138 27.8 21.5 32.3



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

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

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

Quant Time: Sep 15 08:48:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:43:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	365126	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1618219	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	947755	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1792326	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1627798	20.000	ng	0.00
86) Perylene-d12	24.468	264	1308860	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1816554	79.215	ng	0.00
7) Phenol-d6	7.010	99	2621910	81.187	ng	0.00
23) Nitrobenzene-d5	9.004	82	2627381	81.256	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	767403	83.770	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	5743669	83.482	ng	0.00
79) Terphenyl-d14	19.833	244	8178683	90.034	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	379485	38.636	ng	100
3) Pyridine	3.716	79	1158883m	39.648	ng	
4) n-Nitrosodimethylamine	3.628	42	533341	40.206	ng	100
6) Aniline	7.175	93	1158194	40.452	ng	100
8) 2-Chlorophenol	7.416	128	1018620	40.294	ng	100
9) Benzaldehyde	6.987	77	610922	39.784	ng	100
10) Phenol	7.034	94	1300688	40.224	ng	100
11) bis(2-Chloroethyl)ether	7.275	93	1035289	39.880	ng	100
12) 1,3-Dichlorobenzene	7.739	146	1097467	39.662	ng	100
13) 1,4-Dichlorobenzene	7.886	146	1115218	39.570	ng	100
14) 1,2-Dichlorobenzene	8.204	146	1100793	39.688	ng	100
15) Benzyl Alcohol	8.086	79	899897	41.137	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.381	45	1467240	40.178	ng	100
17) 2-Methylphenol	8.286	107	847590	41.031	ng	100
18) Hexachloroethane	8.939	117	448954	39.876	ng	100
19) n-Nitroso-di-n-propyla...	8.657	70	908407	41.720	ng	100
20) 3+4-Methylphenols	8.616	107	1177936	40.867	ng	100
22) Acetophenone	8.669	105	1704805	40.072	ng	100
24) Nitrobenzene	9.045	77	1336633	40.229	ng	100
25) Isophorone	9.575	82	2301793	40.492	ng	100
26) 2-Nitrophenol	9.757	139	475675	42.013	ng	100
27) 2,4-Dimethylphenol	9.816	122	678795	39.549	ng	100
28) bis(2-Chloroethoxy)met...	10.057	93	1425885	39.933	ng	100
29) 2,4-Dichlorophenol	10.292	162	890582	40.842	ng	100
30) 1,2,4-Trichlorobenzene	10.510	180	978634	39.180	ng	100
31) Naphthalene	10.698	128	3484796	39.874	ng	100
32) Benzoic acid	9.951	122	621554	38.270	ng	100
33) 4-Chloroaniline	10.798	127	1271819	40.249	ng	100
34) Hexachlorobutadiene	10.992	225	548156	39.622	ng	100
35) Caprolactam	11.574	113	301774	42.014	ng	100
36) 4-Chloro-3-methylphenol	11.922	107	1029746	41.207	ng	100
37) 2-Methylnaphthalene	12.310	142	2350065	40.402	ng	100
38) 1-Methylnaphthalene	12.527	142	2315698	40.060	ng	100
40) 1,2,4,5-Tetrachloroben...	12.674	216	1037544	40.457	ng	100
41) Hexachlorocyclopentadiene	12.663	237	346149	41.288	ng	100
43) 2,4,6-Trichlorophenol	12.910	196	663467	41.294	ng	100

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

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

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

Quant Time: Sep 15 08:48:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:43:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	749195	41.284	ng	100
46) 1,1'-Biphenyl	13.316	154	2977591	40.379	ng	100
47) 2-Chloronaphthalene	13.357	162	2309174	40.329	ng	100
48) 2-Nitroaniline	13.551	65	711905	42.331	ng	100
49) Acenaphthylene	14.204	152	3389381	41.020	ng	100
50) Dimethylphthalate	13.939	163	2601271	40.269	ng	100
51) 2,6-Dinitrotoluene	14.051	165	562396	41.241	ng	100
52) Acenaphthene	14.545	154	2363816	40.830	ng	100
53) 3-Nitroaniline	14.374	138	636300	41.980	ng	100
54) 2,4-Dinitrophenol	14.574	184	242408	40.526	ng	100
55) Dibenzofuran	14.880	168	3286806	40.401	ng	100
56) 4-Nitrophenol	14.674	139	533596	42.781	ng	100
57) 2,4-Dinitrotoluene	14.833	165	772430	42.471	ng	100
58) Fluorene	15.527	166	3089638	42.182	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.104	232	580263	41.011	ng	100
60) Diethylphthalate	15.304	149	2809721	40.869	ng	100
61) 4-Chlorophenyl-phenyle...	15.521	204	1409661	42.091	ng	100
62) 4-Nitroaniline	15.533	138	795712	44.661	ng	100
63) Azobenzene	15.815	77	3134877	41.412	ng	100
65) 4,6-Dinitro-2-methylph...	15.592	198	327400	37.677	ng	100
66) n-Nitrosodiphenylamine	15.733	169	2266693	41.340	ng	100
67) 4-Bromophenyl-phenylether	16.409	248	705864	40.531	ng	100
68) Hexachlorobenzene	16.527	284	796111	40.352	ng	100
69) Atrazine	16.680	200	638553	42.135	ng	100
70) Pentachlorophenol	16.862	266	486319	42.523	ng	100
71) Phenanthrene	17.256	178	4065837	41.163	ng	100
72) Anthracene	17.351	178	3956786	41.695	ng	100
73) Carbazole	17.609	167	3906452	41.537	ng	100
74) Di-n-butylphthalate	18.186	149	4803649	42.689	ng	100
75) Fluoranthene	19.268	202	4593392	42.622	ng	100
77) Benzidine	19.445	184	825167	35.993	ng	100
78) Pyrene	19.627	202	4862723	40.954	ng	100
80) Butylbenzylphthalate	20.527	149	1915535	41.908	ng	100
81) Benzo(a)anthracene	21.421	228	4338226	40.888	ng	100
82) 3,3'-Dichlorobenzidine	21.344	252	1177624	41.724	ng	100
83) Chrysene	21.486	228	4082724	40.682	ng	100
84) Bis(2-ethylhexyl)phtha...	21.362	149	3022758	42.216	ng	100
85) Di-n-octyl phthalate	22.509	149	4236094	41.825	ng	100
87) Indeno(1,2,3-cd)pyrene	27.897	276	3099824	39.575	ng	100
88) Benzo(b)fluoranthene	23.515	252	3507877	41.423	ng	100
89) Benzo(k)fluoranthene	23.580	252	3570213	42.538	ng	100
90) Benzo(a)pyrene	24.332	252	2875521	41.429	ng	100
91) Dibenzo(a,h)anthracene	27.956	278	2601274	39.472	ng	100
92) Benzo(g,h,i)perylene	28.967	276	2535092	39.380	ng	100

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

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

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

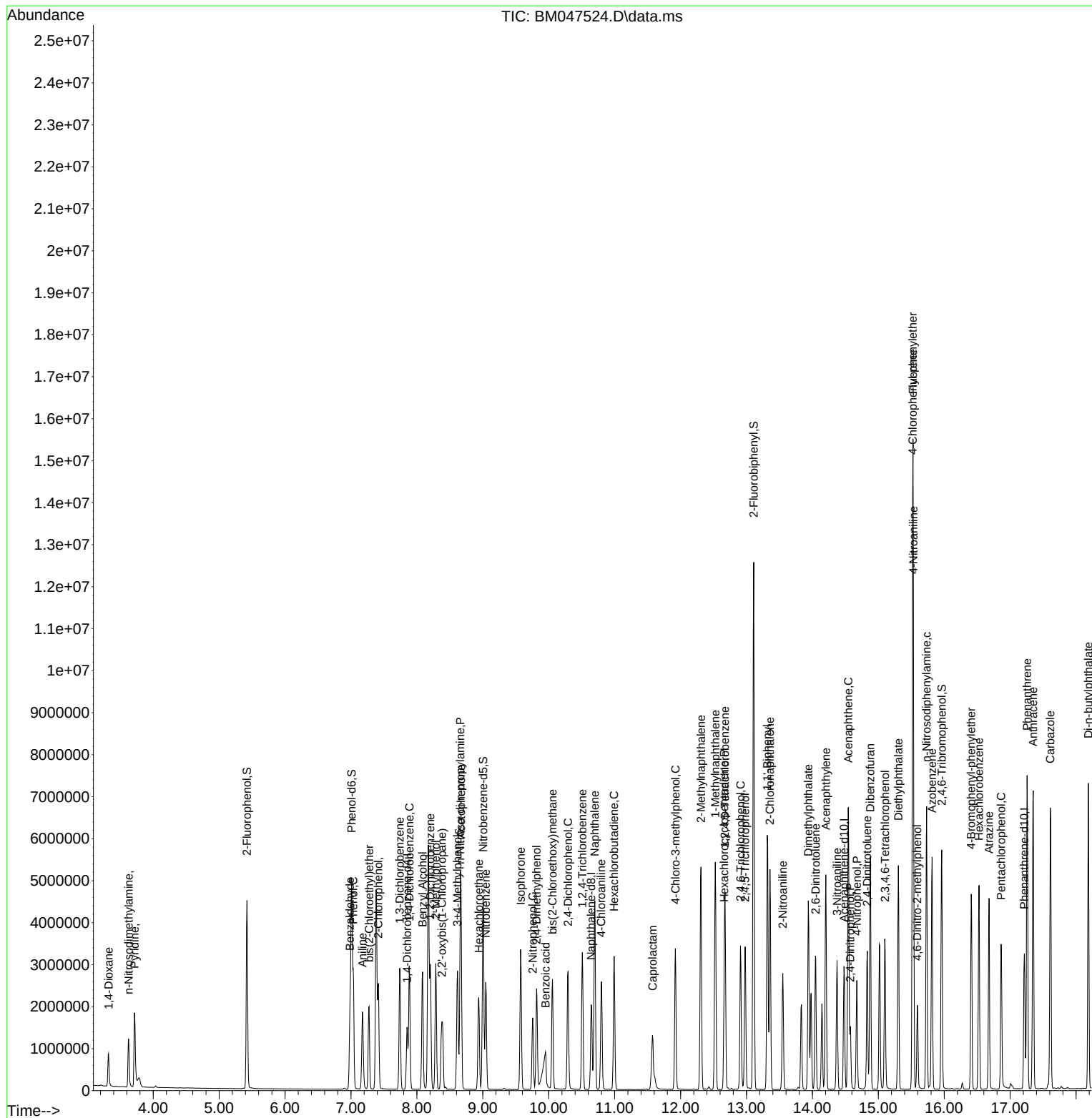
Quant Time: Sep 15 08:48:03 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:43:20 2024

Response via : Initial Calibration



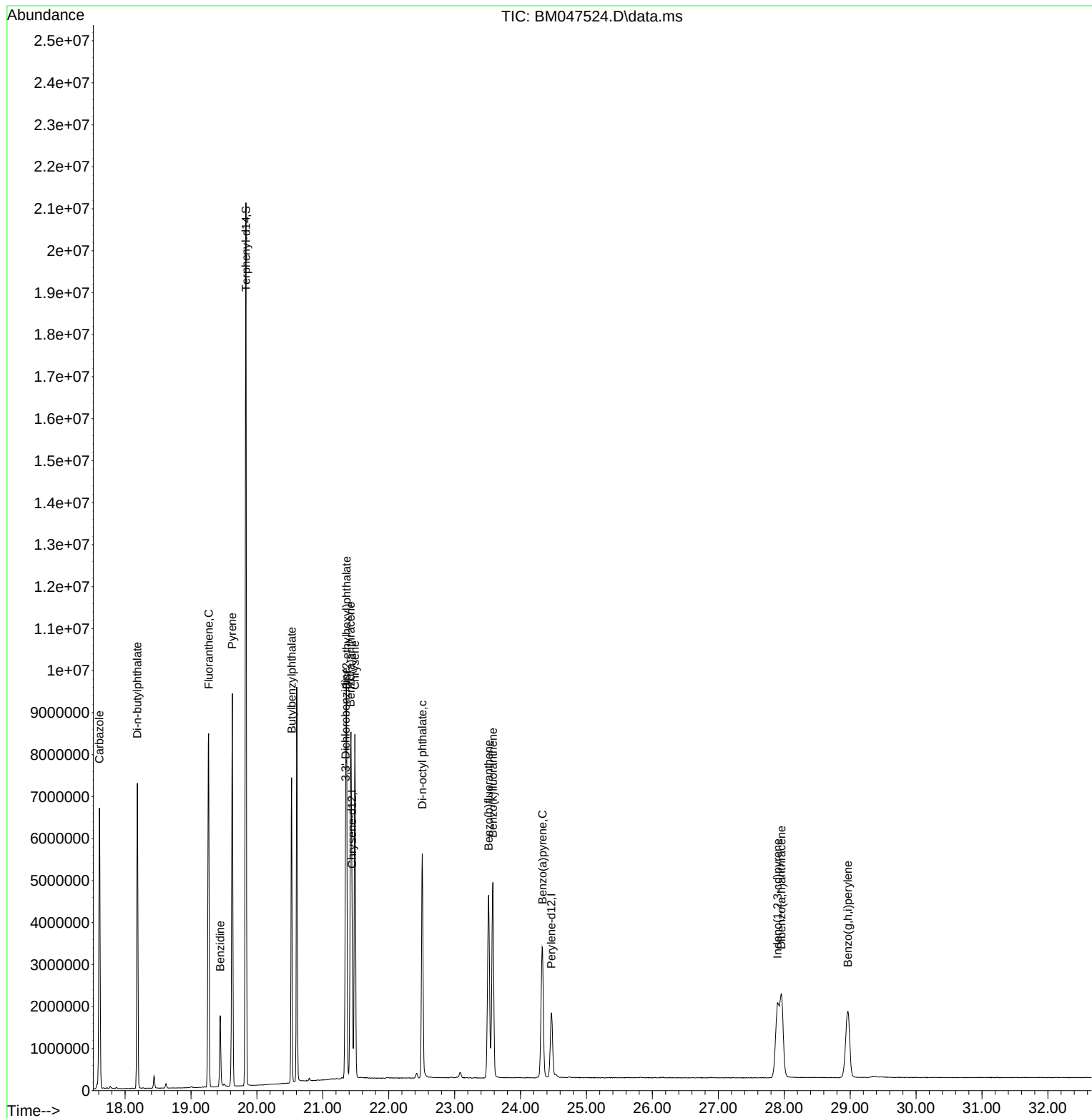
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

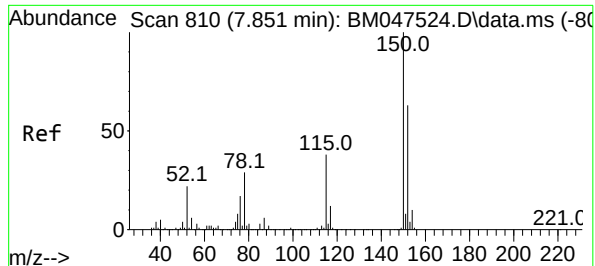
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

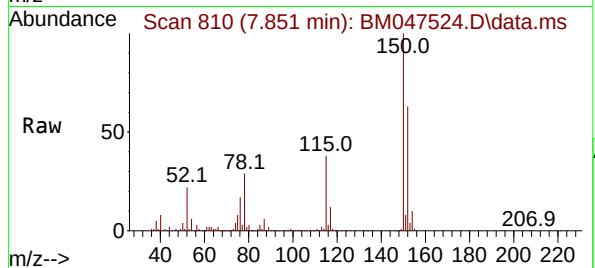
Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

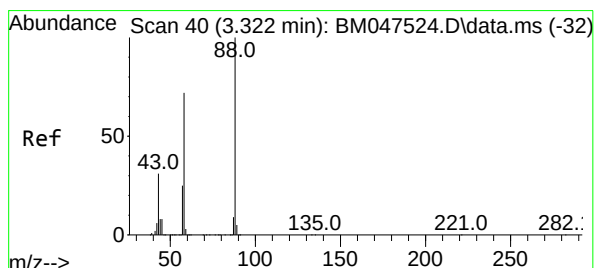
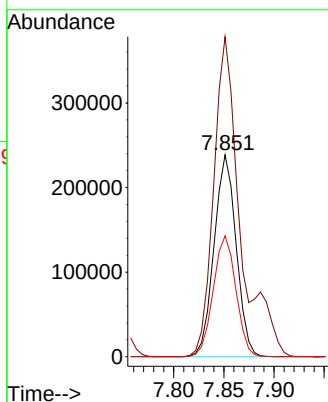
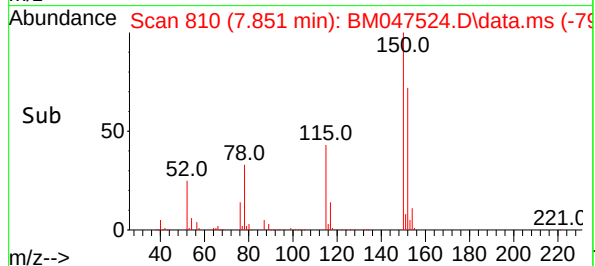
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 365120
Ion Ratio Lower Upper
152 100
150 158.5 126.8 190.2
115 59.8 47.8 71.8

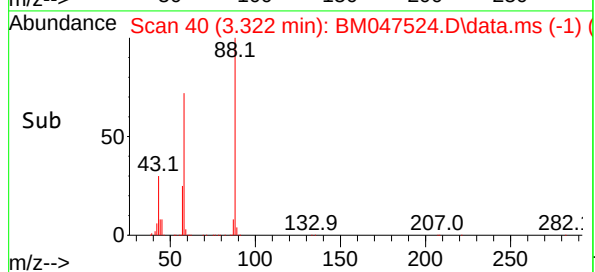
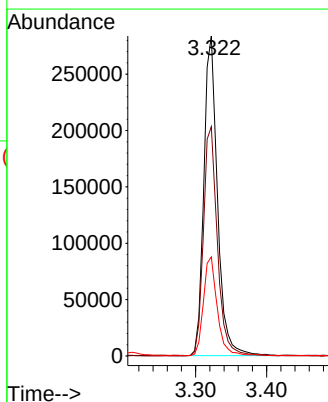
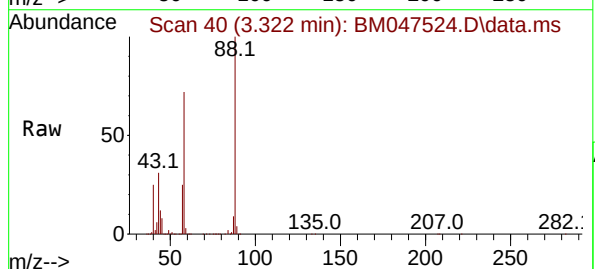
Manual Integrations
APPROVED

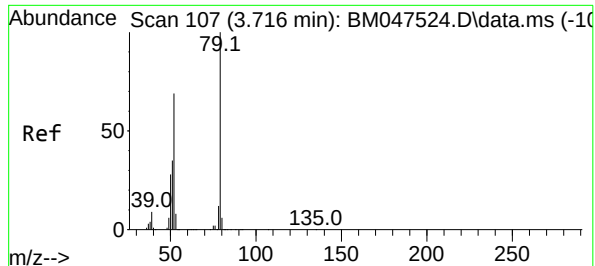
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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/ml

RT: 3.716 min Scan# 107

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 115888

Ion Ratio Lower Upper

79 100

52 69.2 55.4 83.0

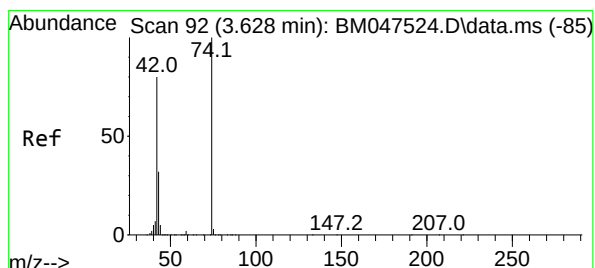
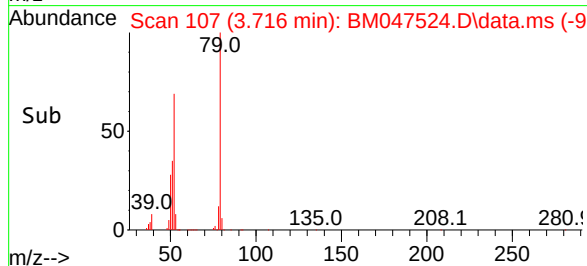
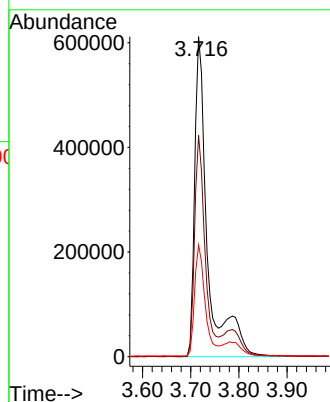
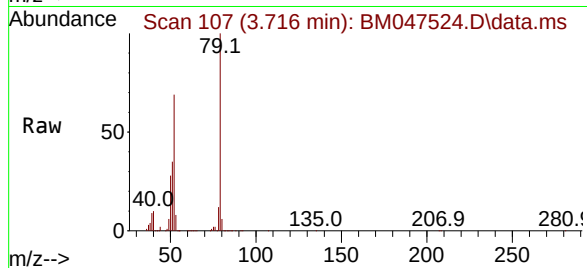
51 34.9 27.9 41.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#4

n-Nitrosodimethylamine

Concen: 40.206 ng/ml

RT: 3.628 min Scan# 92

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

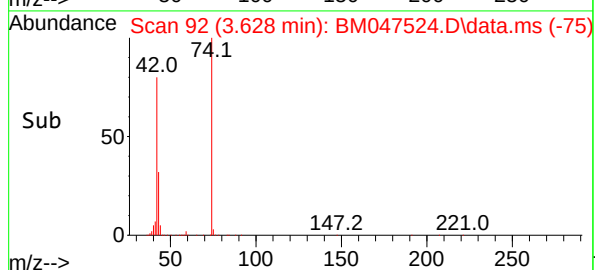
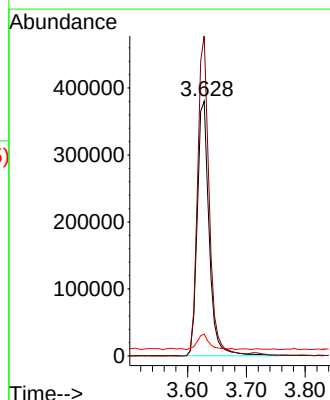
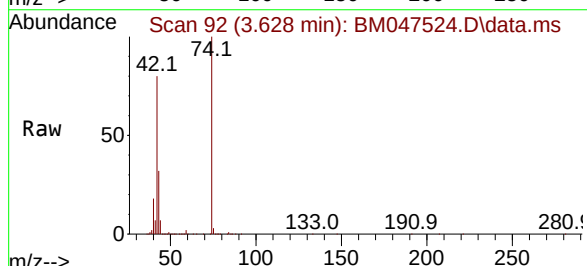
Tgt Ion: 42 Resp: 533341

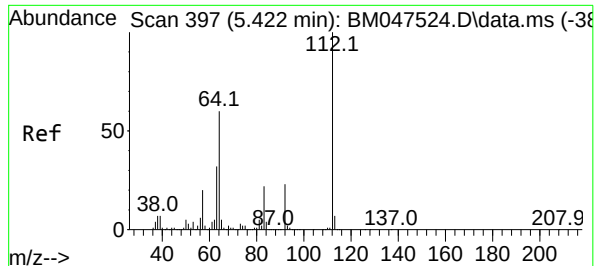
Ion Ratio Lower Upper

42 100

74 125.6 100.5 150.7

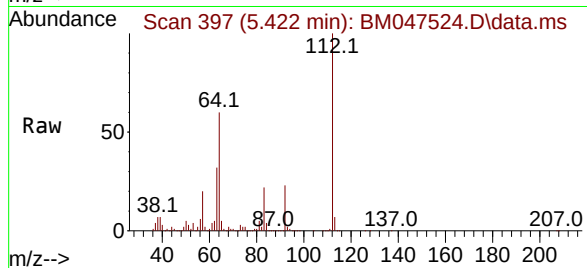
44 8.6 6.9 10.3





#5
2-Fluorophenol
Concen: 79.215 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

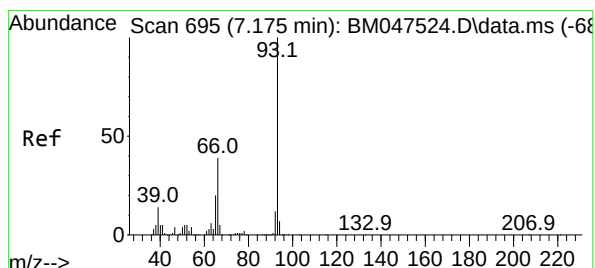
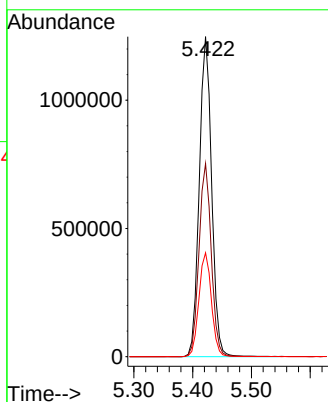
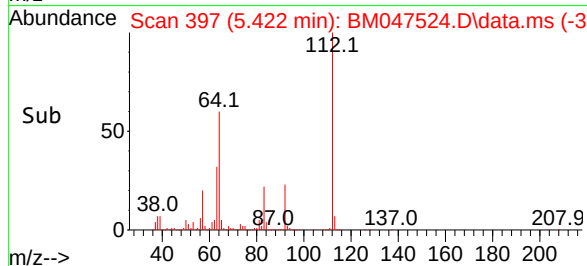
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion: 112 Resp: 1816554
Ion Ratio Lower Upper
112 100
64 60.3 48.2 72.4
63 32.5 26.0 39.0

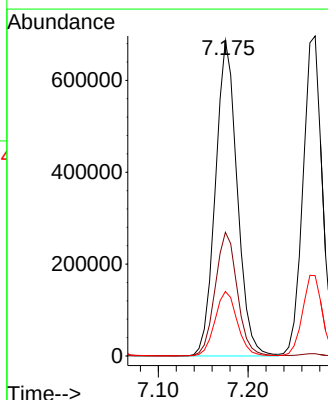
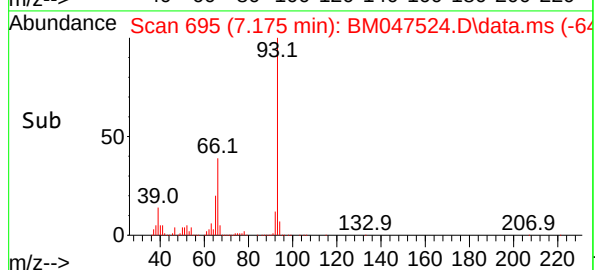
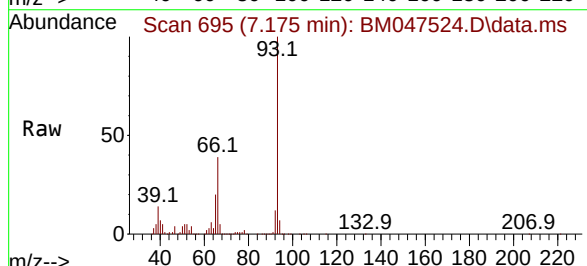
Manual Integrations
APPROVED

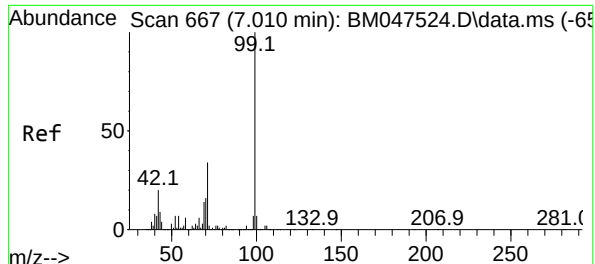
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

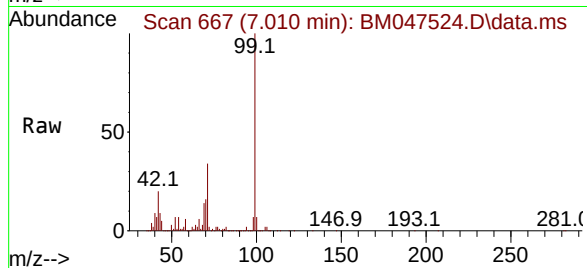
Tgt Ion: 93 Resp: 1158194
Ion Ratio Lower Upper
93 100
66 39.2 31.4 47.0
65 20.4 16.3 24.5





#7
Phenol-d6
Concen: 81.187 ng
RT: 7.010 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

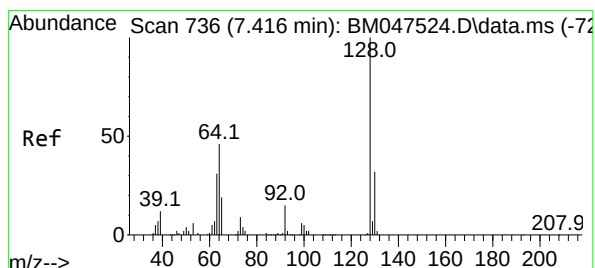
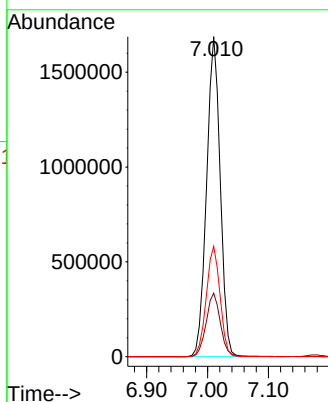
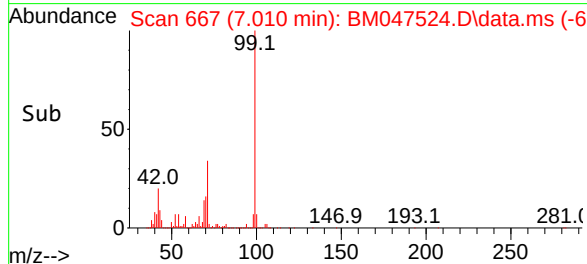
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion: 99 Resp: 2621910
Ion Ratio Lower Upper
99 100
42 19.8 15.8 23.8
71 34.5 27.6 41.4

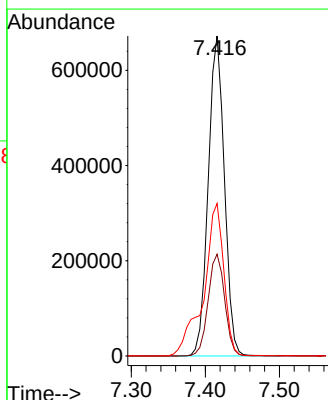
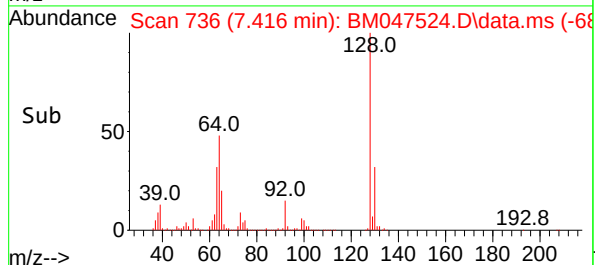
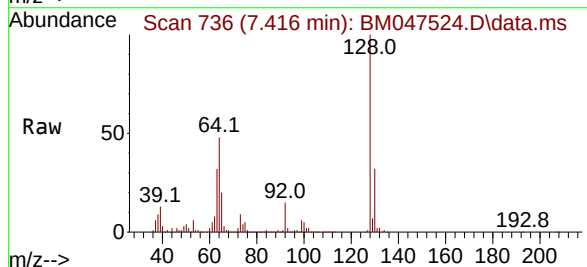
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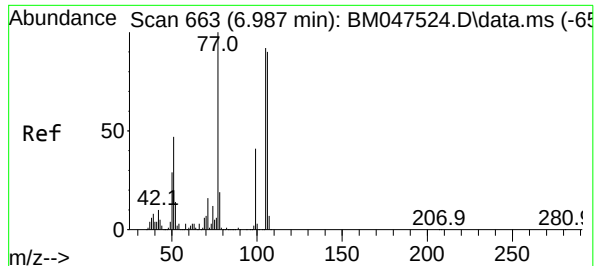
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

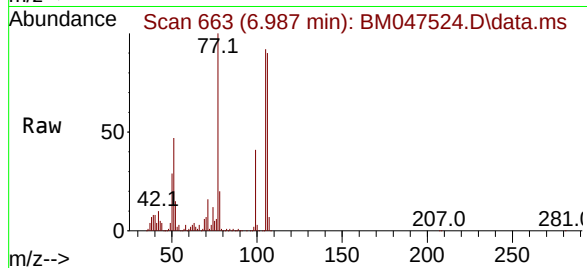
Tgt Ion:128 Resp: 1018620
Ion Ratio Lower Upper
128 100
130 31.8 11.8 51.8
64 47.6 27.6 67.6





#9
Benzaldehyde
Concen: 39.784 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

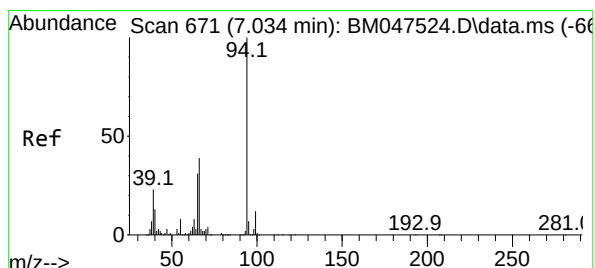
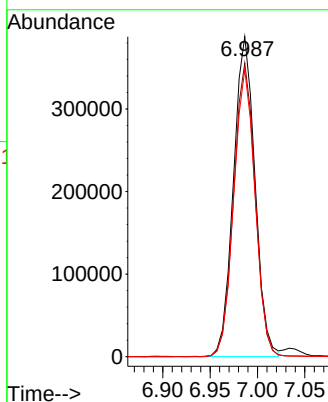
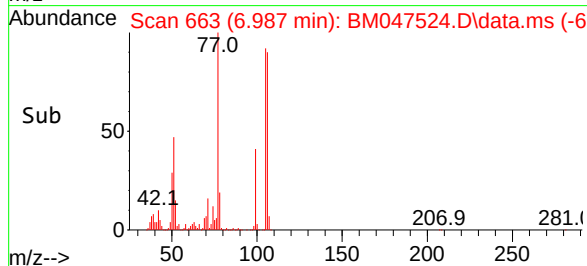
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



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

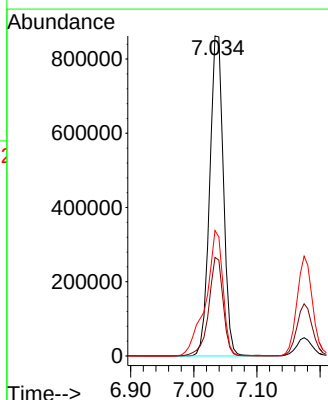
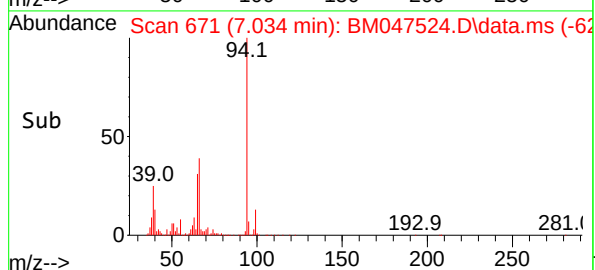
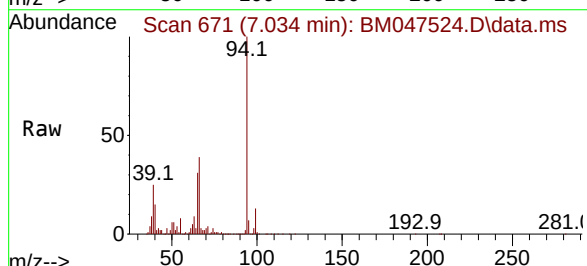
Manual Integrations
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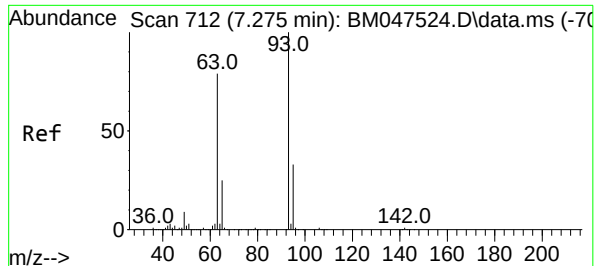
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

Tgt Ion: 94 Resp: 1300688
Ion Ratio Lower Upper
94 100
65 30.8 10.8 50.8
66 39.2 19.2 59.2





#11

bis(2-Chloroethyl)ether

Concen: 39.880 ng

RT: 7.275 min Scan# 712

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 1035289

Ion Ratio Lower Upper

93 100

63 78.2 58.2 98.2

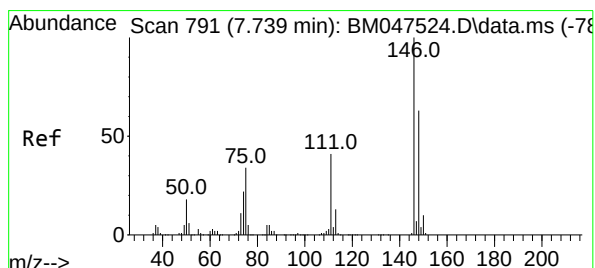
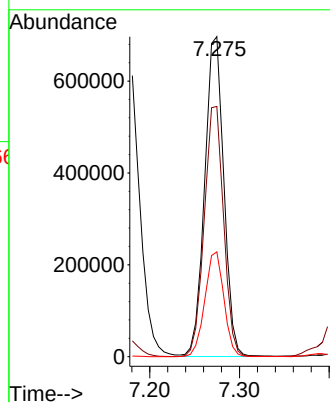
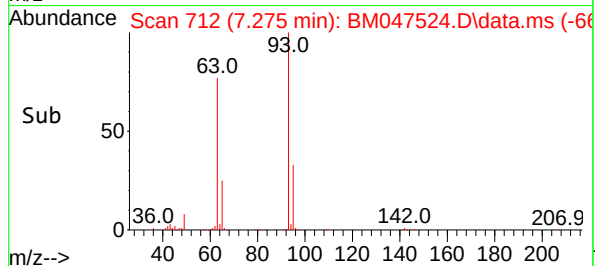
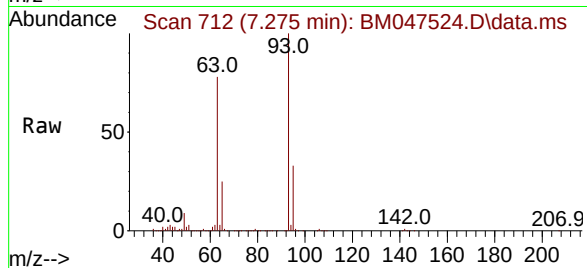
95 32.8 12.8 52.8

Manual Integrations

APPROVED

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

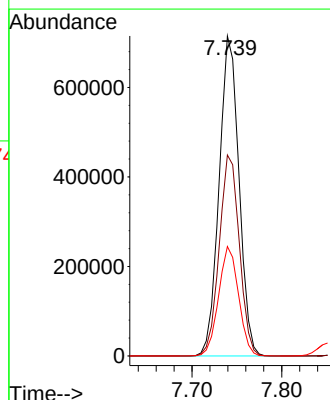
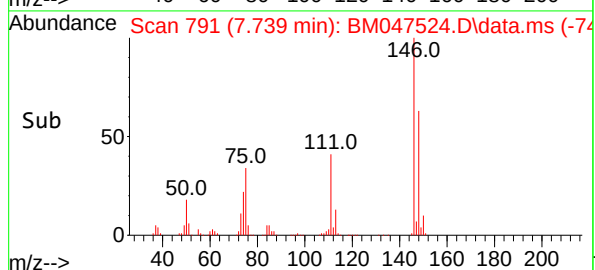
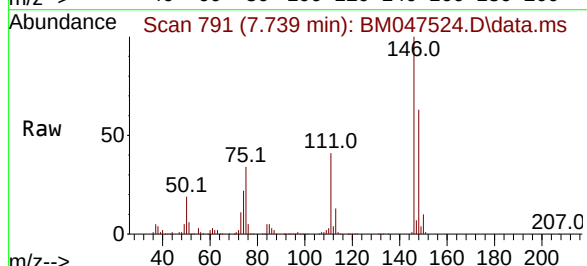
Tgt Ion:146 Resp: 1097467

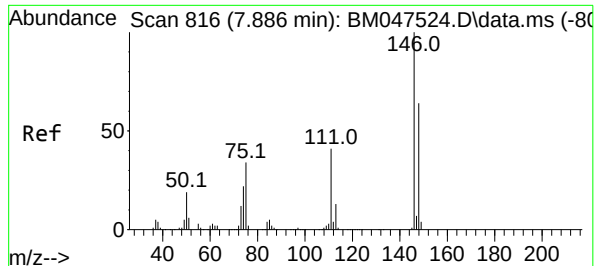
Ion Ratio Lower Upper

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# 816

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 1115218

Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

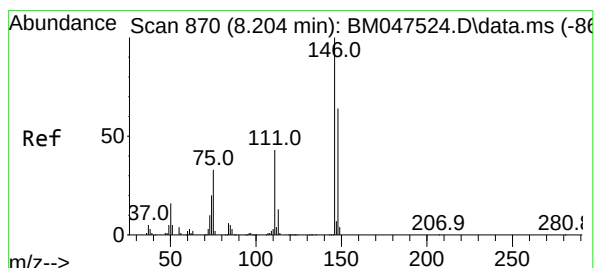
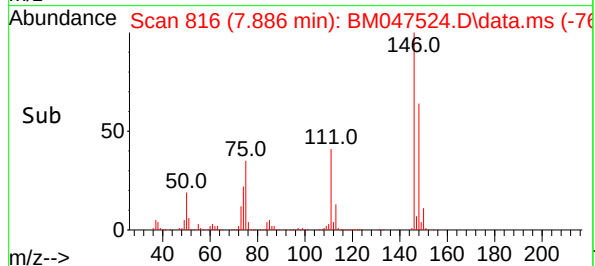
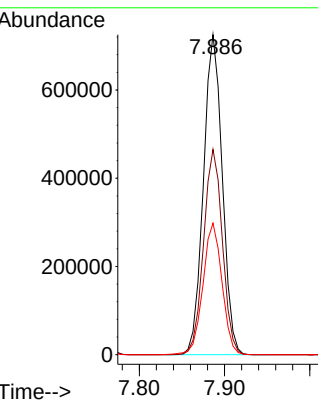
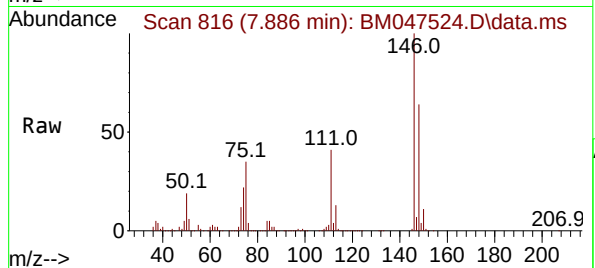
111 41.1 32.9 49.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

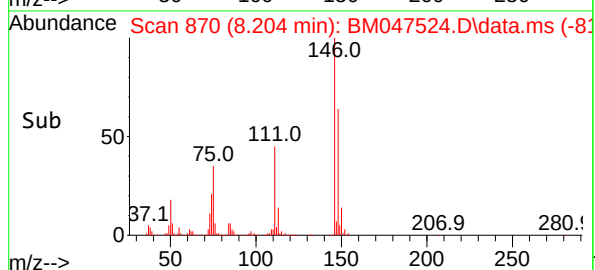
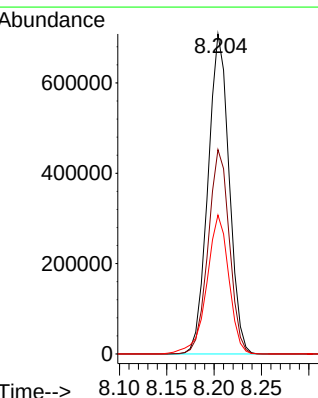
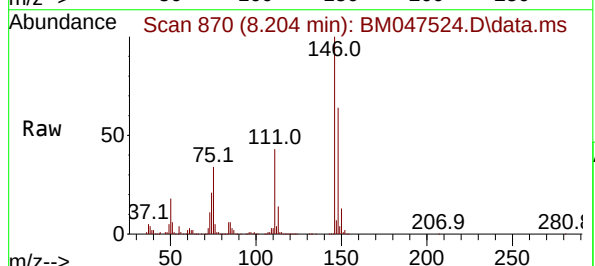
Tgt Ion:146 Resp: 1100793

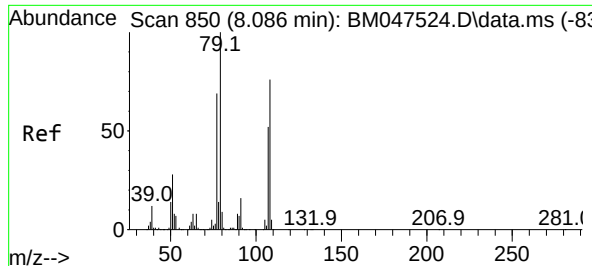
Ion Ratio Lower Upper

146 100

148 63.9 51.1 76.7

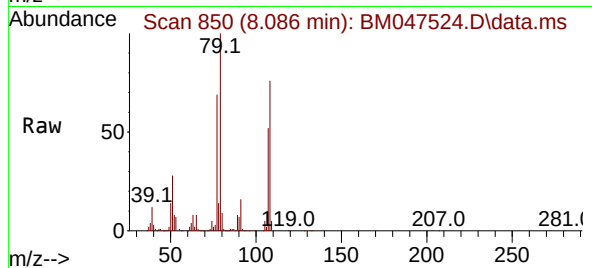
111 43.4 34.7 52.1





#15
Benzyl Alcohol
Concen: 41.137 ng
RT: 8.086 min Scan# 850
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

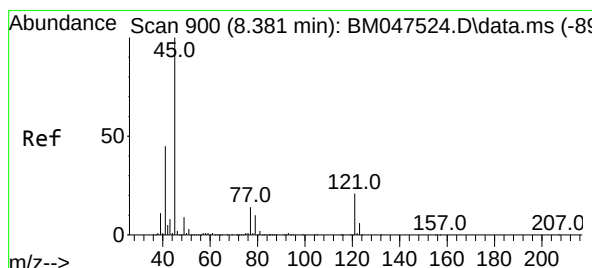
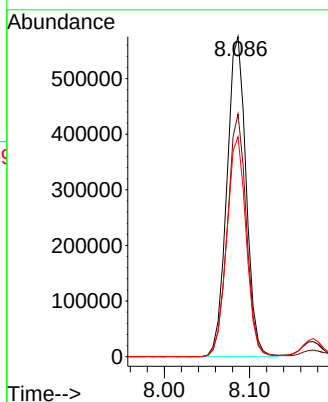
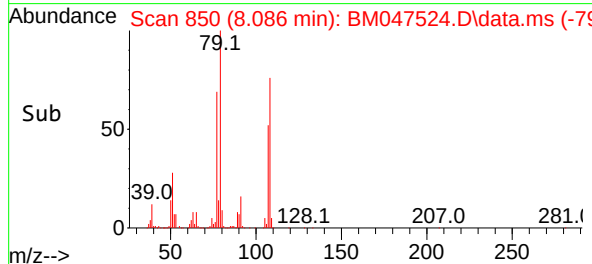
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 899897
Ion Ratio Lower Upper
79 100
108 75.8 60.6 91.0
77 68.7 55.0 82.4

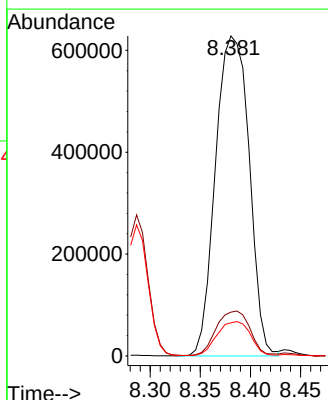
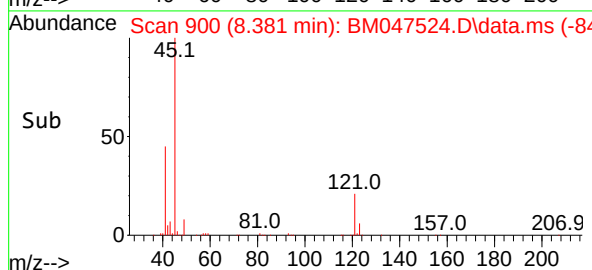
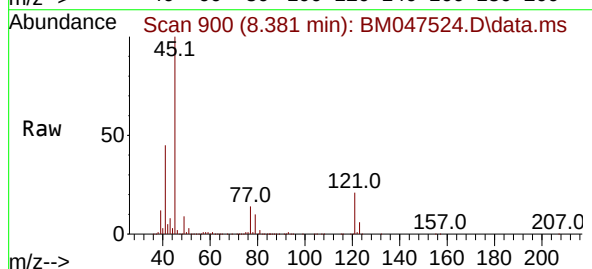
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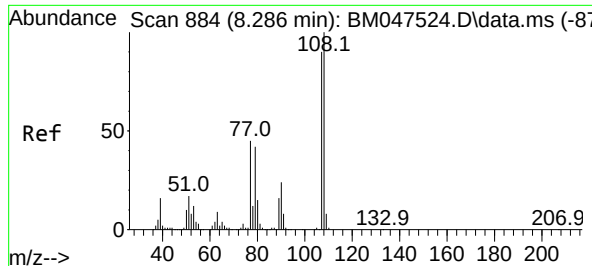
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

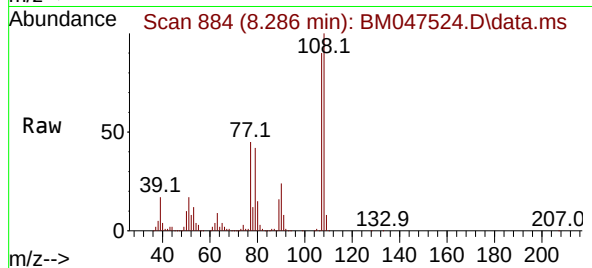
Tgt Ion: 45 Resp: 1467240
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.7
79 10.3 0.0 30.3





#17
2-Methylphenol
Concen: 41.031 ng
RT: 8.286 min Scan# 884
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

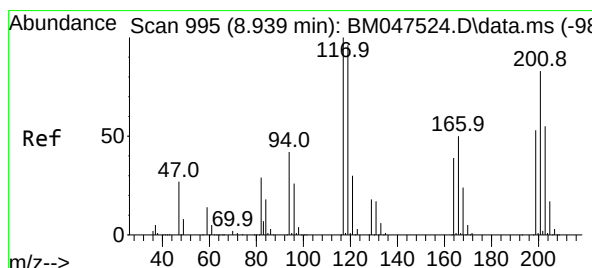
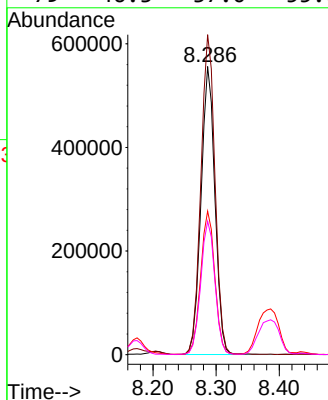
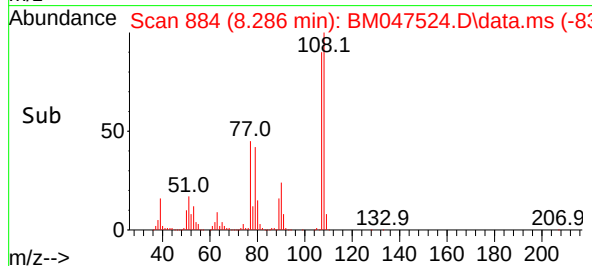
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:107 Resp: 847590
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

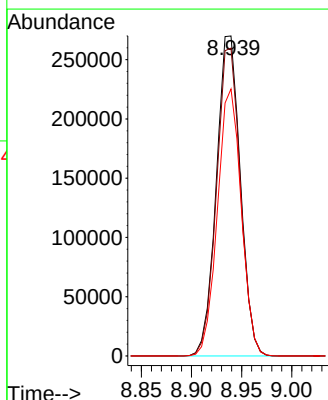
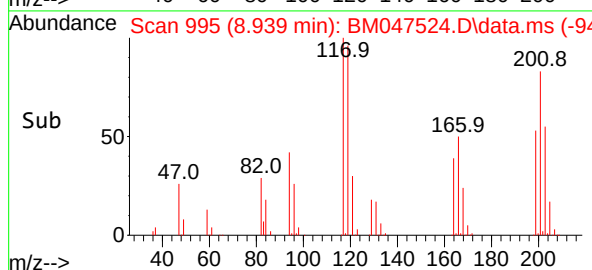
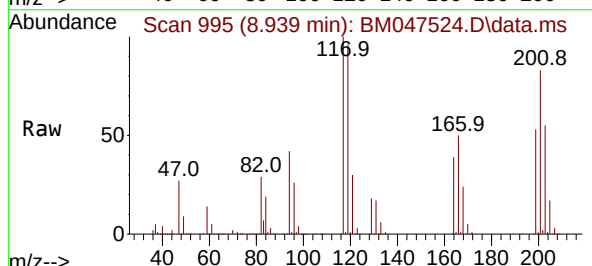
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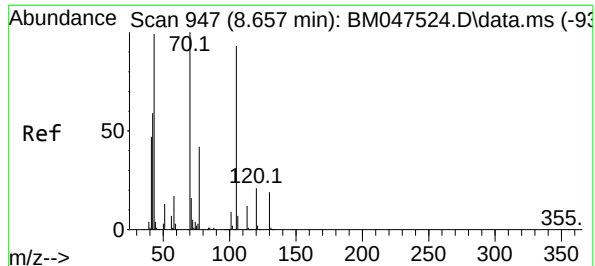
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 947

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

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

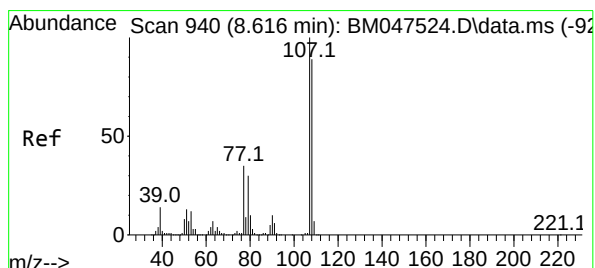
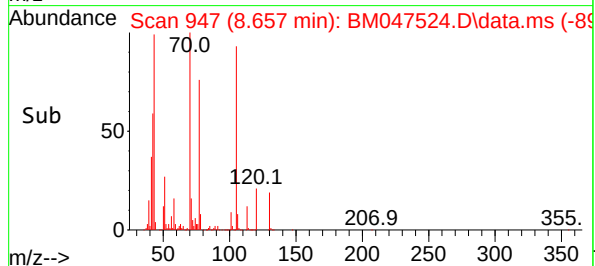
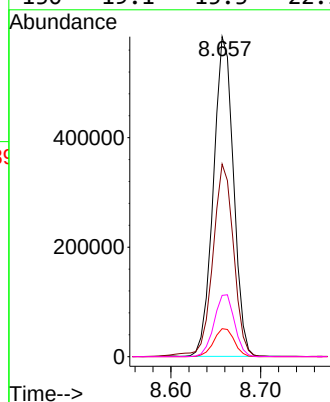
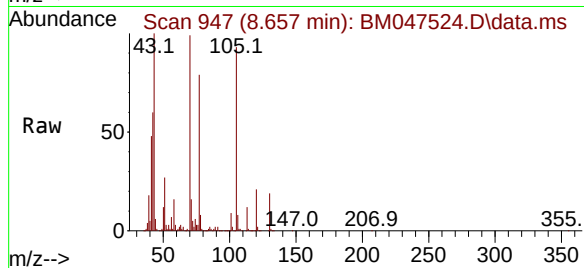
130 19.1 15.3 22.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

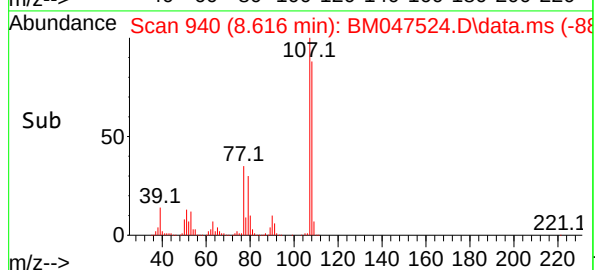
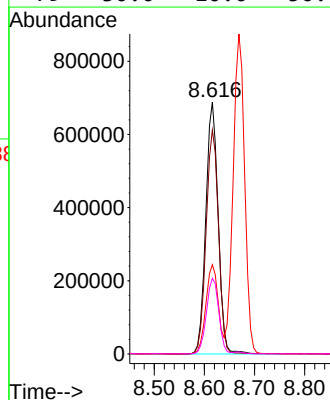
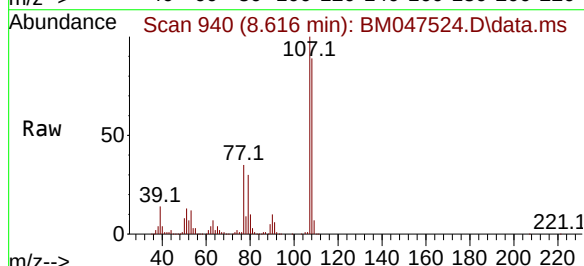
Ion Ratio Lower Upper

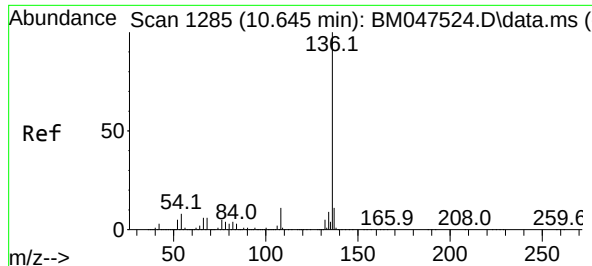
107 100

108 88.9 68.9 108.9

77 35.5 15.5 55.5

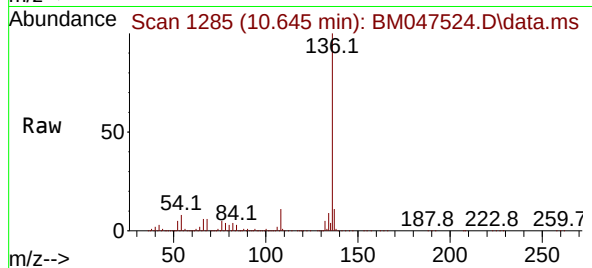
79 30.0 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

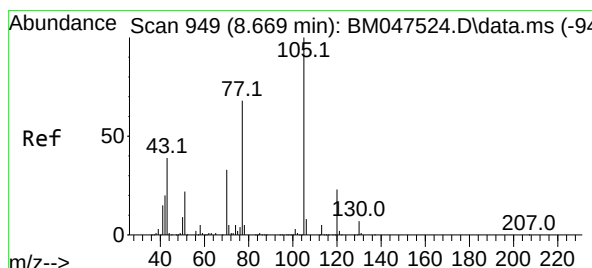
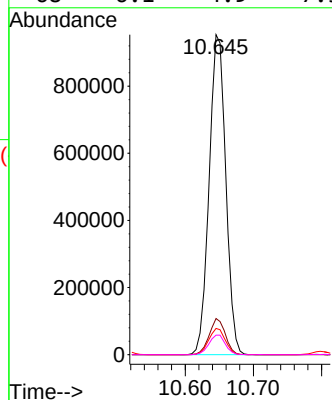
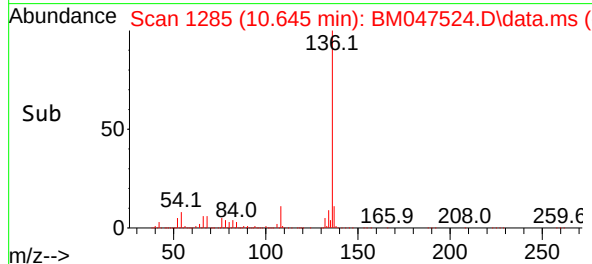
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 1618219
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

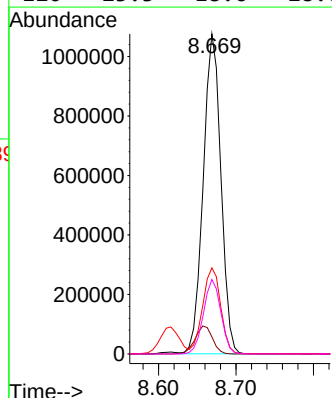
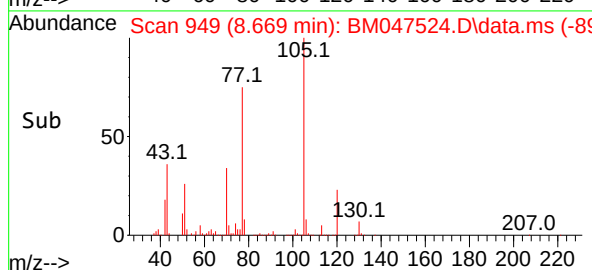
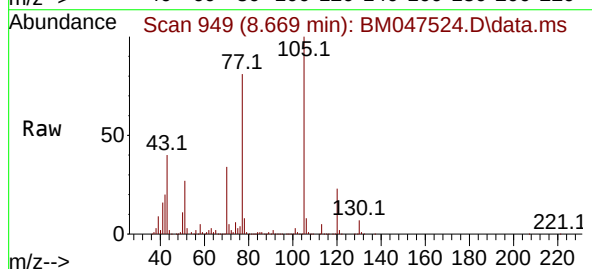
Manual Integrations
APPROVED

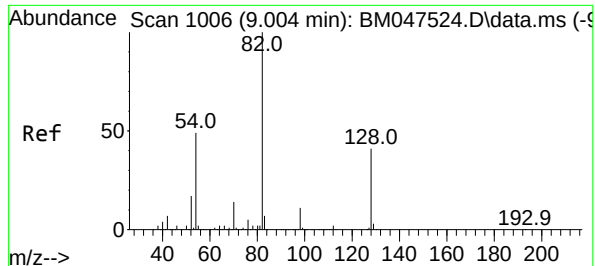
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1006

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 262738

Ion Ratio Lower Upper

82 100

128 41.2 33.0 49.4

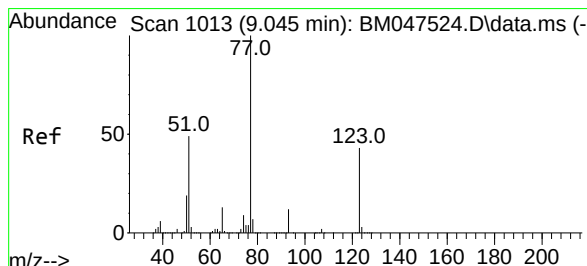
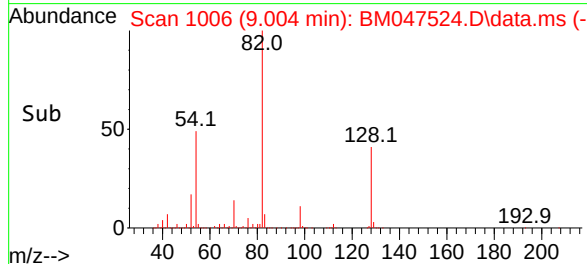
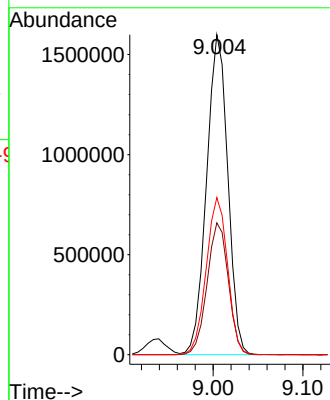
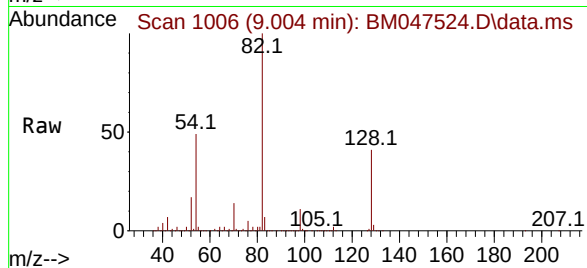
54 49.1 39.3 58.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

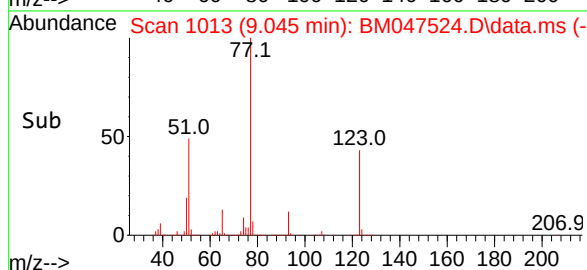
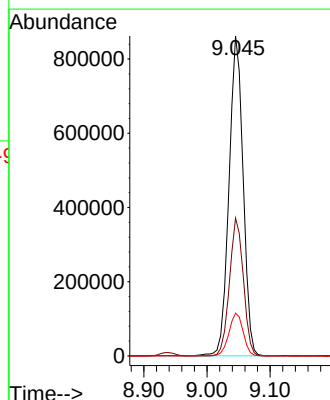
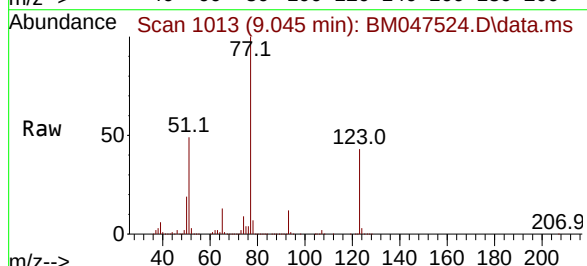
Tgt Ion: 77 Resp: 1336633

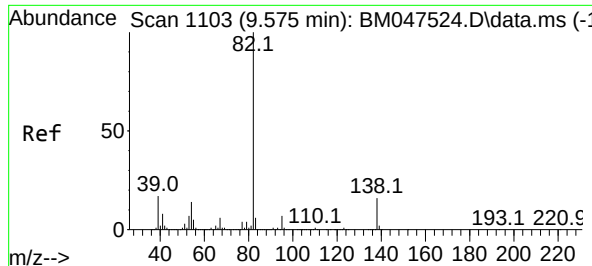
Ion Ratio Lower Upper

77 100

123 43.1 34.5 51.7

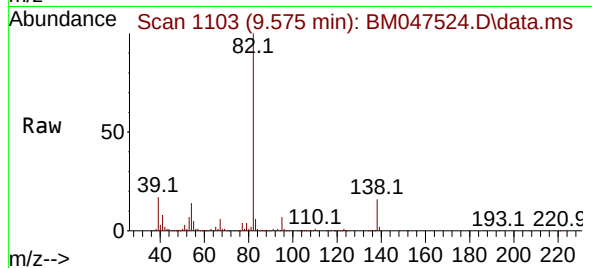
65 13.4 10.7 16.1





#25
Isophorone
Concen: 40.492 ng
RT: 9.575 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

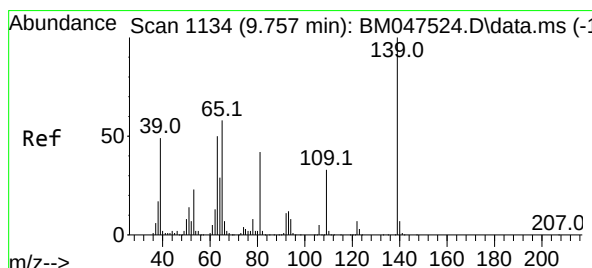
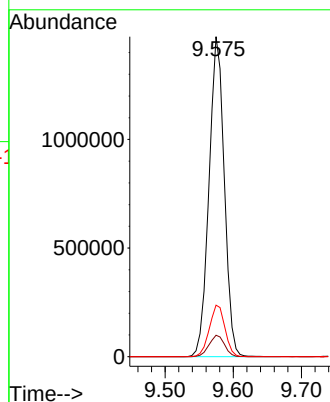
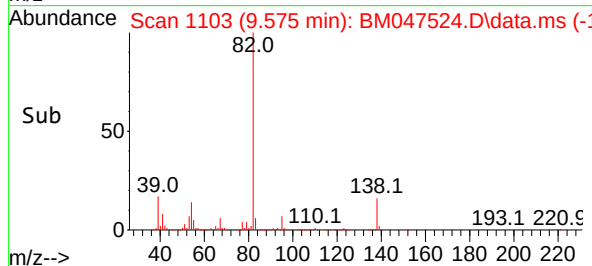
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



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

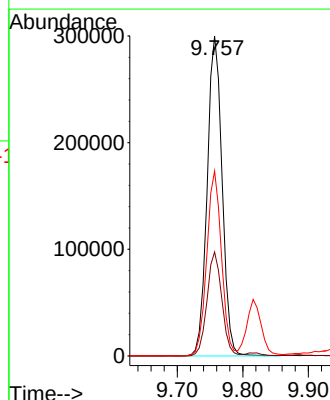
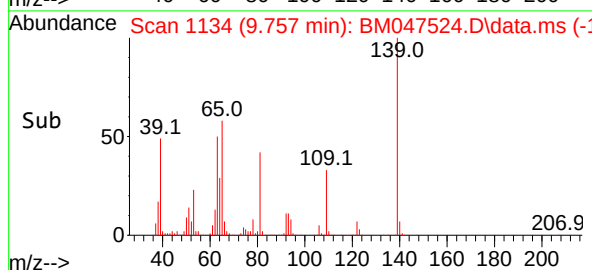
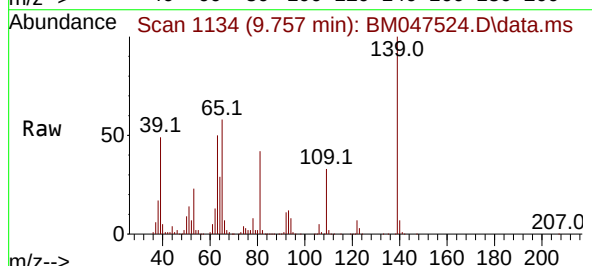
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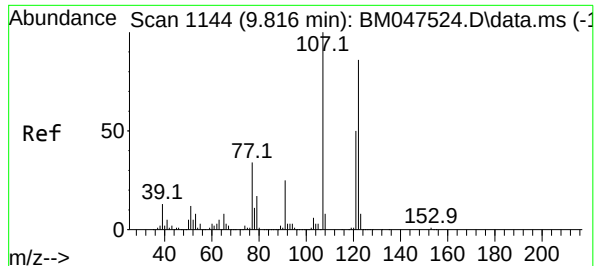
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1144

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 678795

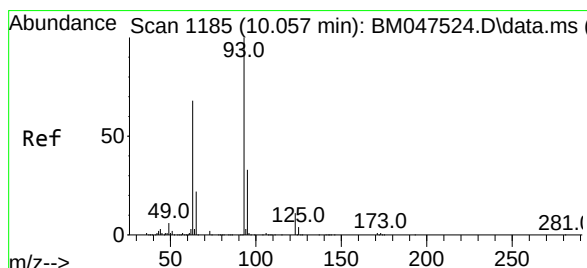
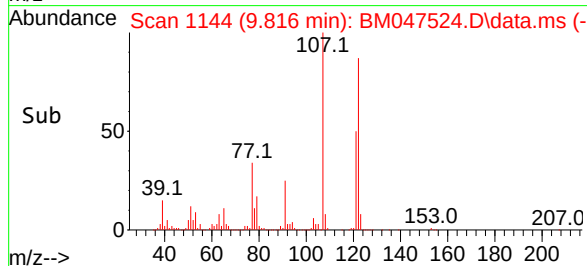
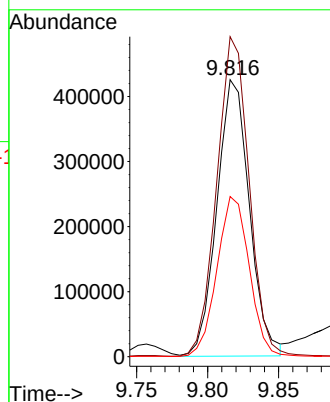
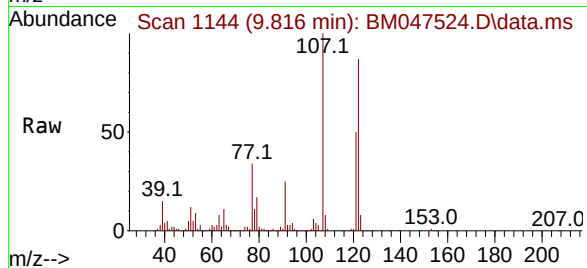
Ion	Ratio	Lower	Upper
122	100		
107	115.5	92.4	138.6
121	57.8	46.2	69.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.933 ng

RT: 10.057 min Scan# 1185

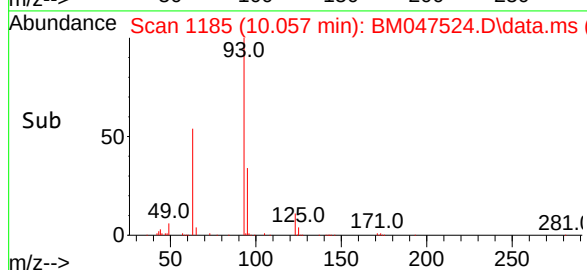
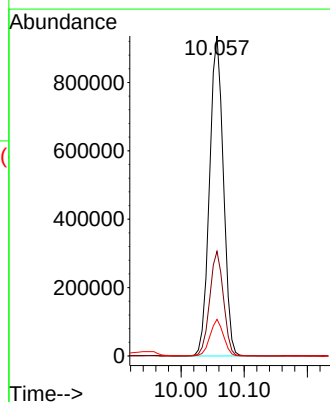
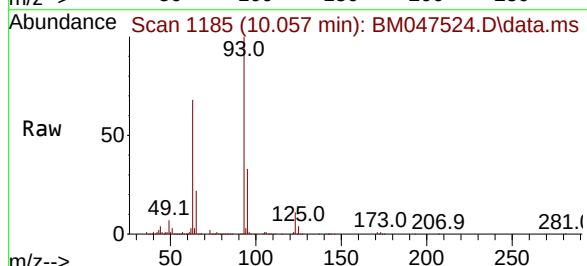
Delta R.T. 0.000 min

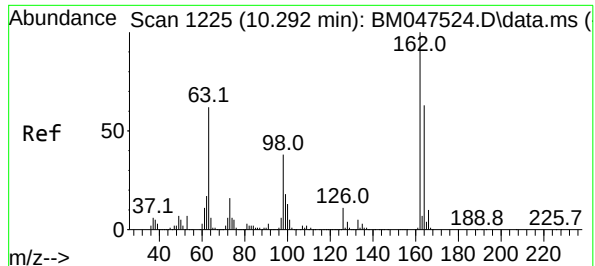
Lab File: BM047524.D

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# 1225

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 89058

Ion Ratio Lower Upper

162 100

164 63.5 43.5 83.5

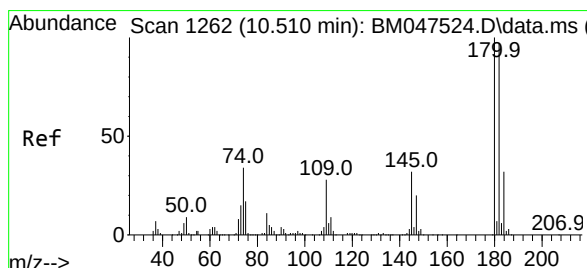
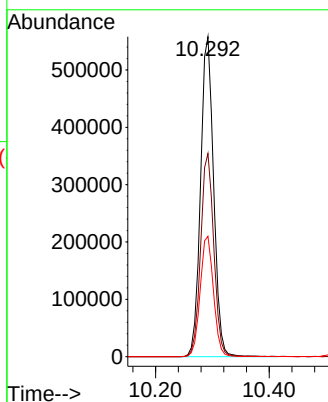
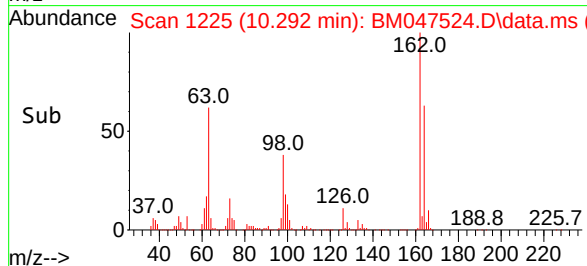
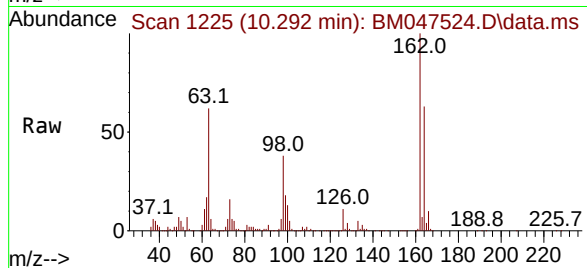
98 37.6 17.6 57.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

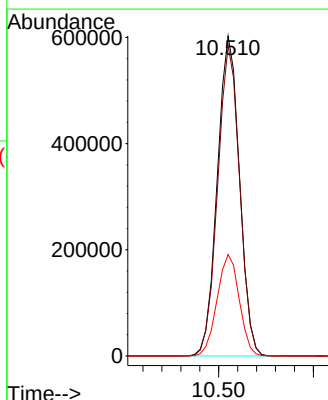
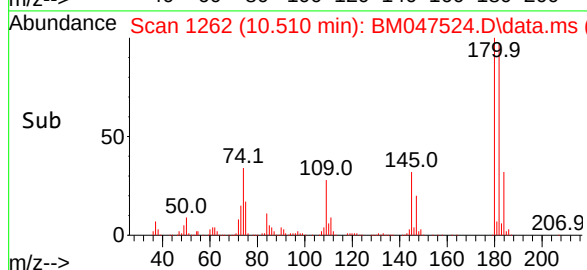
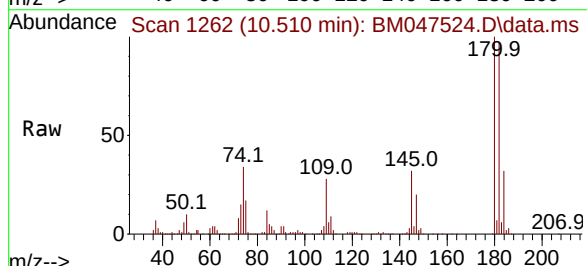
Tgt Ion:180 Resp: 978634

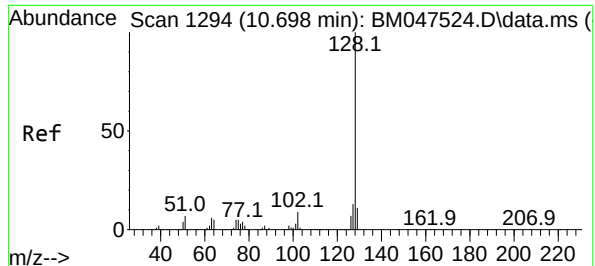
Ion Ratio Lower Upper

180 100

182 97.0 77.6 116.4

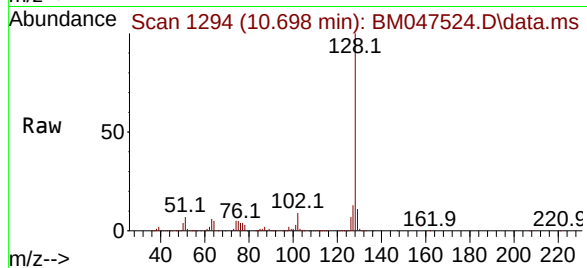
145 31.7 25.4 38.0





#31
Naphthalene
Concen: 39.874 ng
RT: 10.698 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

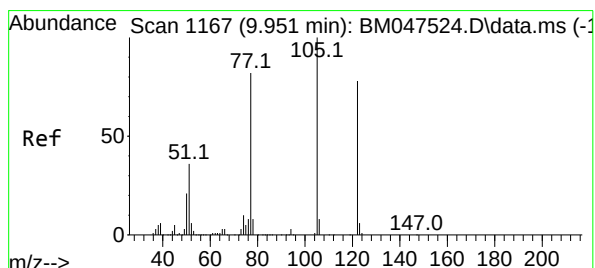
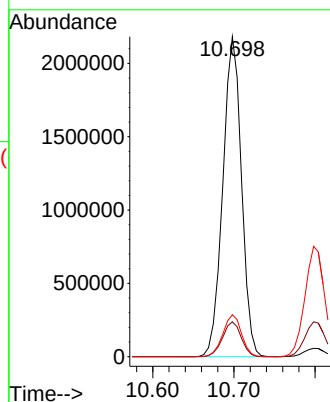
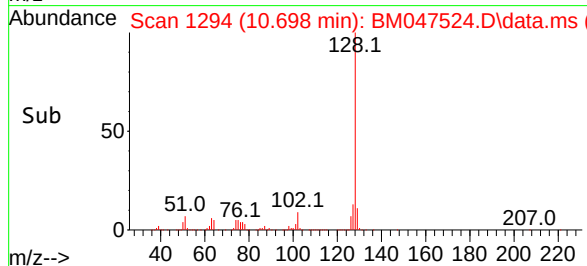
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 3484790
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.1 10.5 15.7

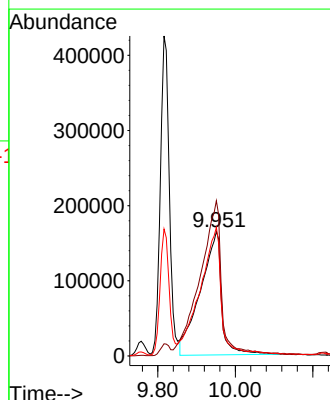
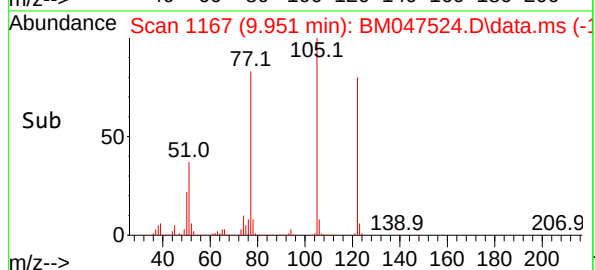
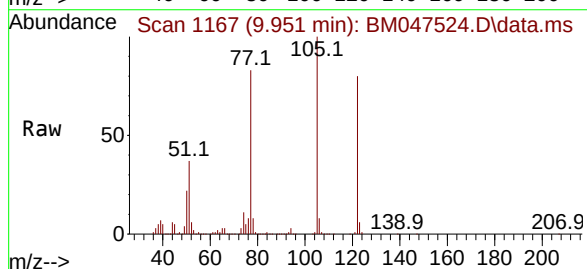
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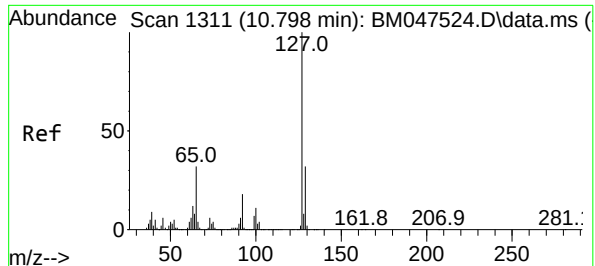
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

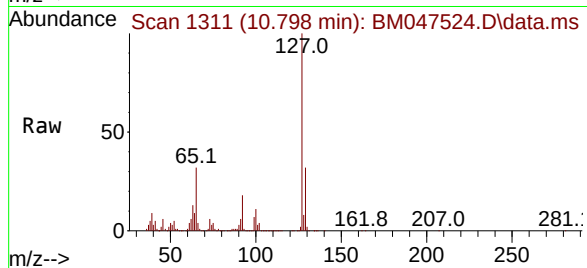
Tgt Ion:122 Resp: 621554
Ion Ratio Lower Upper
122 100
105 124.7 104.7 144.7
77 103.4 83.4 123.4





#33
4-Chloroaniline
Concen: 40.249 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

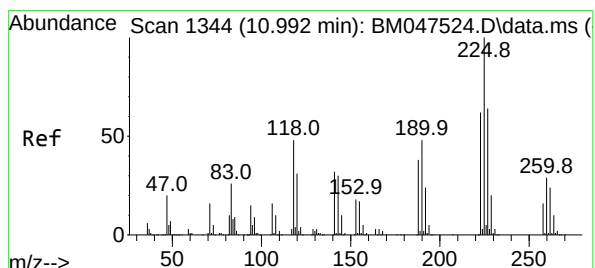
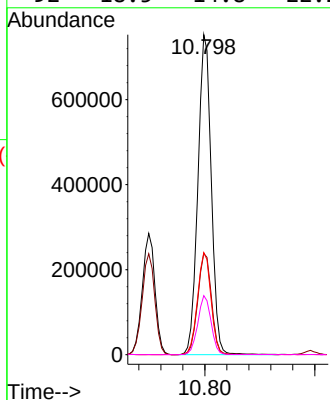
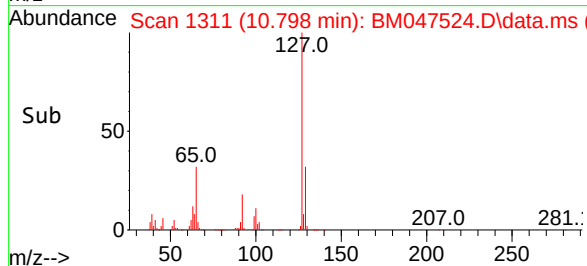
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



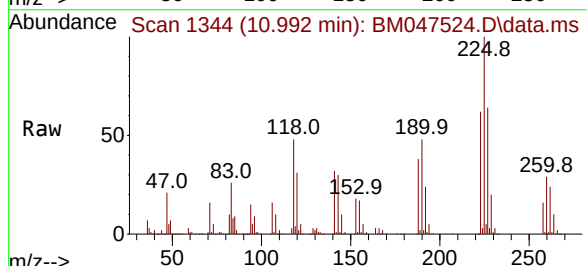
Tgt Ion:127 Resp: 1271819
Ion Ratio Lower Upper
127 100
129 31.7 25.4 38.0
65 31.9 25.5 38.3
92 18.5 14.8 22.2

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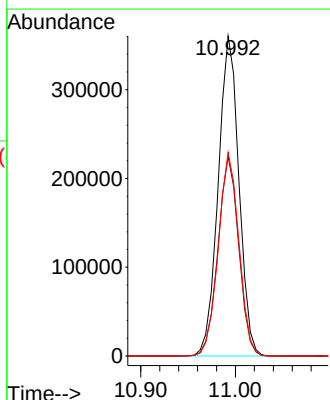
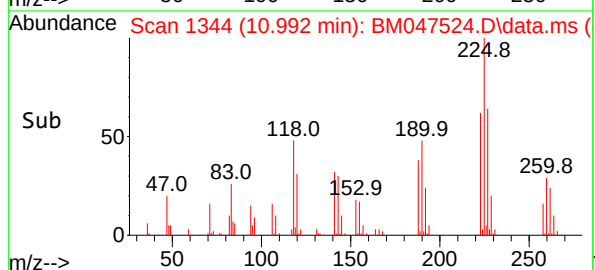
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

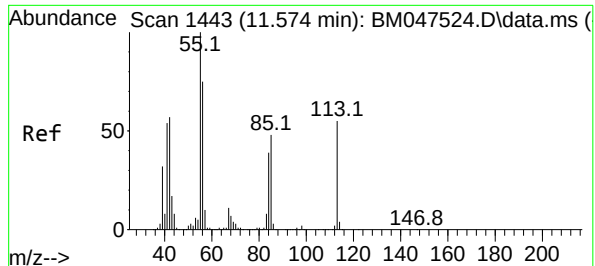


#34
Hexachlorobutadiene
Concen: 39.622 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35



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





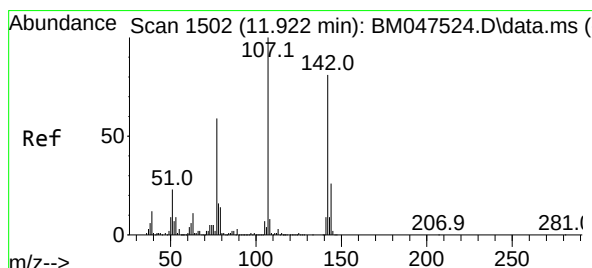
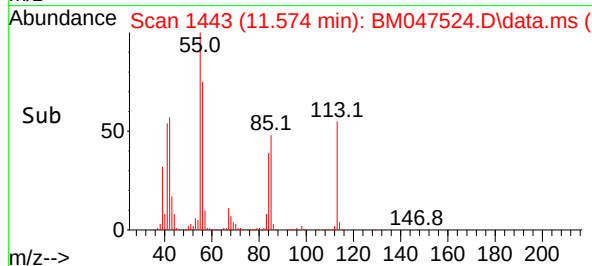
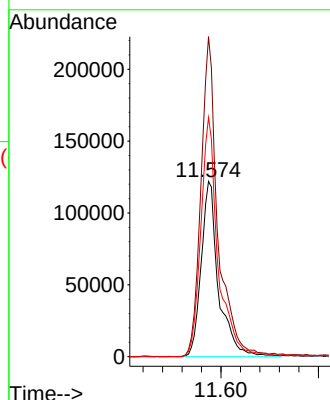
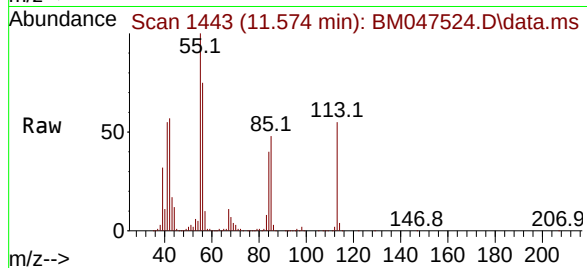
#35
 Caprolactam
 Concen: 42.014 ng
 RT: 11.574 min Scan# 1443
 Delta R.T. 0.000 min
 Lab File: BM047524.D
 Acq: 14 Sep 2024 14:35

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC040

Tgt Ion:113 Resp: 301774
 Ion Ratio Lower Upper
 113 100
 55 182.5 162.5 202.5
 56 136.5 116.5 156.5

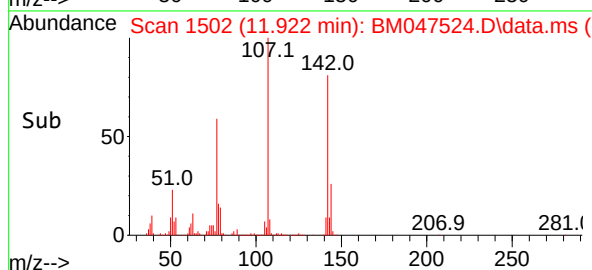
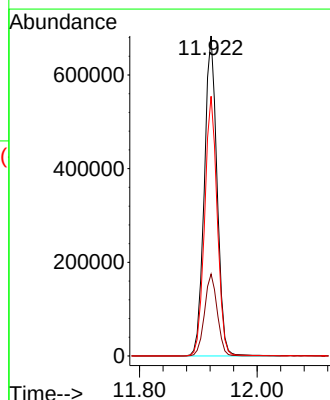
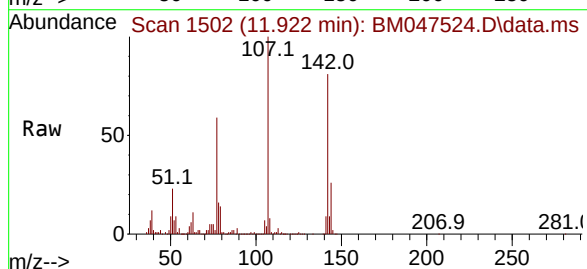
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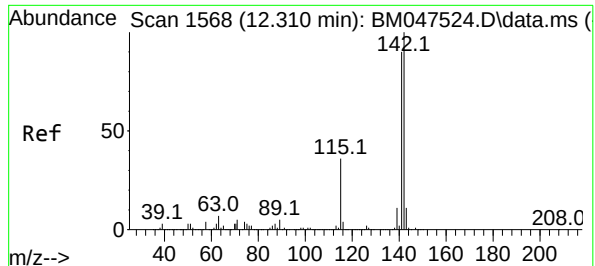
Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :mohammad ahmed 09/17/2024



#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

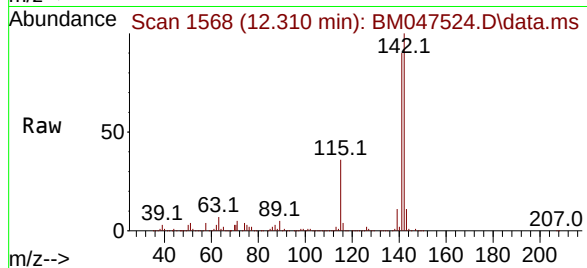
Tgt Ion:107 Resp: 1029746
 Ion Ratio Lower Upper
 107 100
 144 25.6 20.5 30.7
 142 81.2 65.0 97.4





#37
2-Methylnaphthalene
Concen: 40.402 ng
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

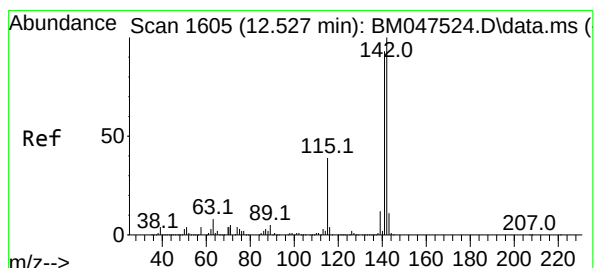
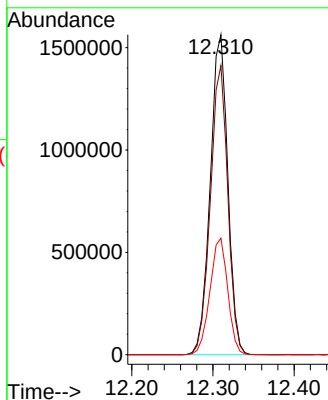
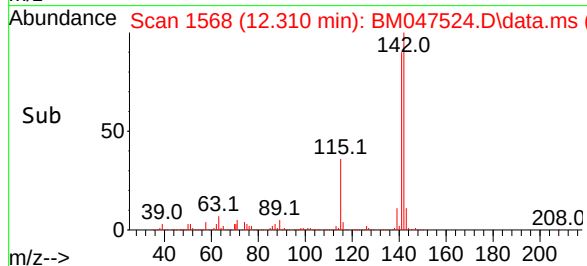
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



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

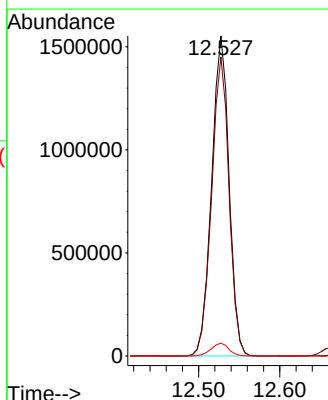
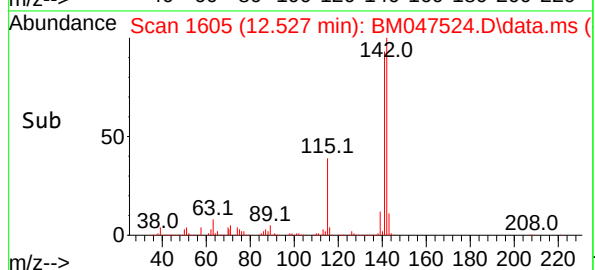
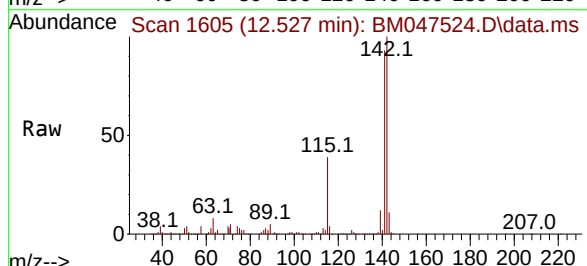
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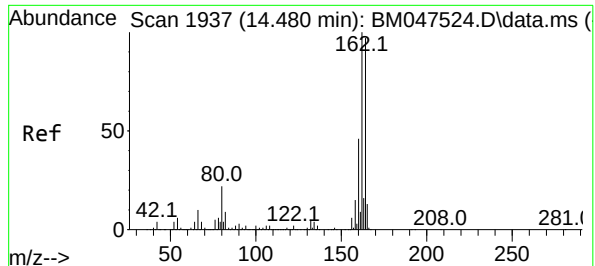
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

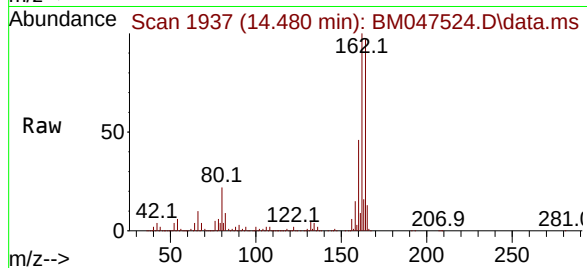
Tgt Ion:142 Resp: 2315698
Ion Ratio Lower Upper
142 100
141 93.4 74.7 112.1
116 4.0 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

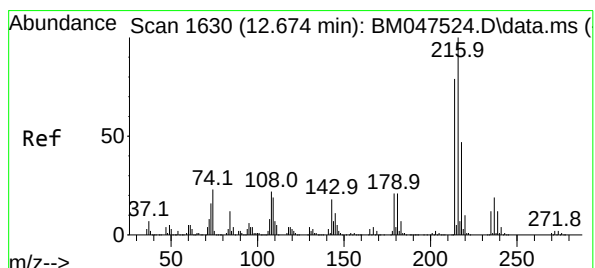
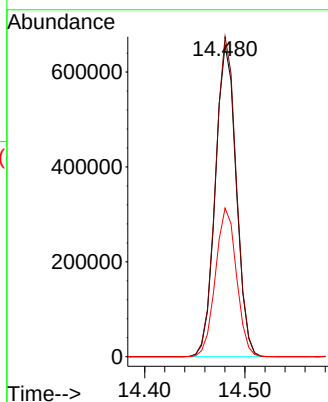
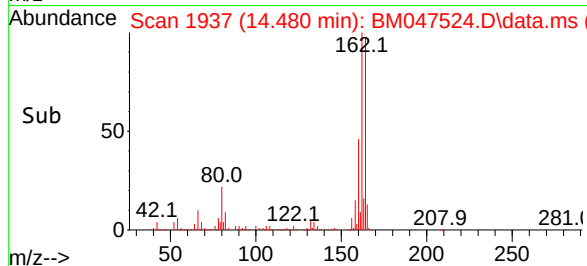
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



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

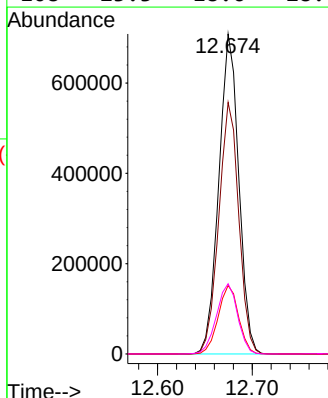
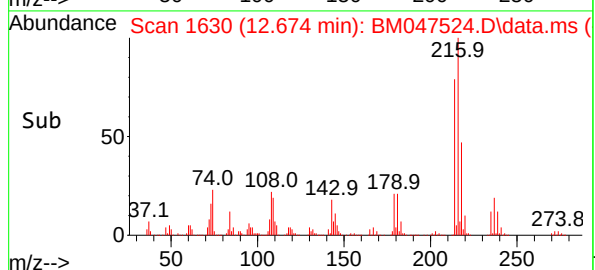
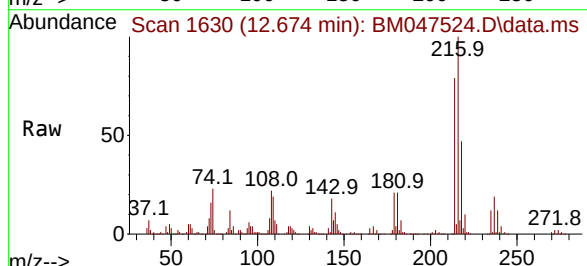
Manual Integrations
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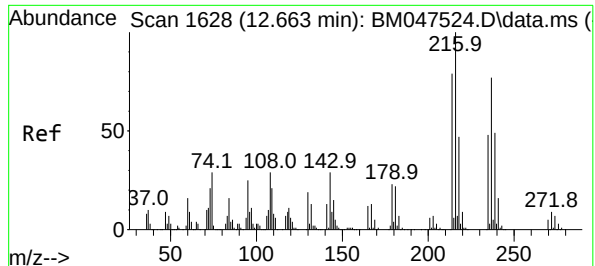
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

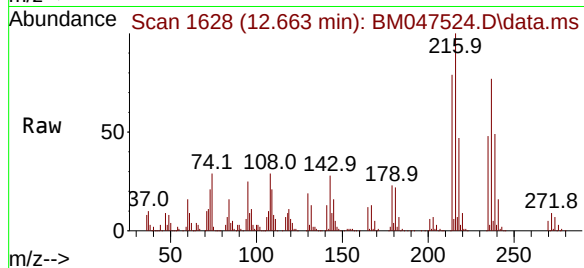
Tgt Ion:216 Resp: 1037544
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.6
179 21.9 17.5 26.3
108 23.3 18.6 28.0





#41
Hexachlorocyclopentadiene
Concen: 41.288 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

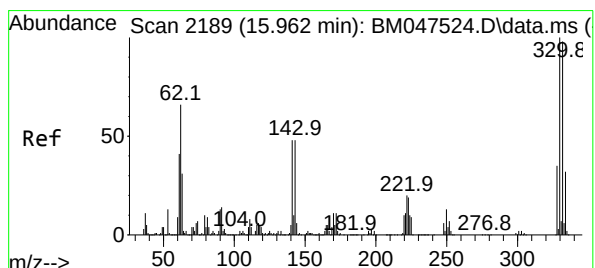
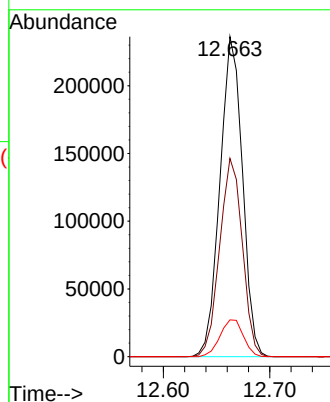
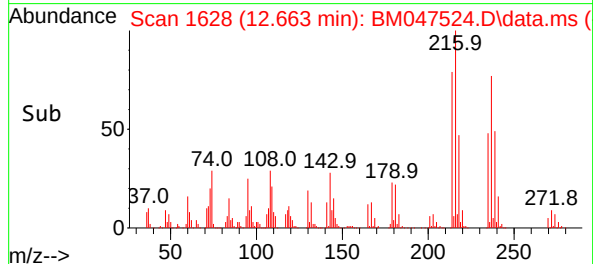
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion: 237 Resp: 346149
Ion Ratio Lower Upper
237 100
235 62.0 42.0 82.0
272 11.5 0.0 31.5

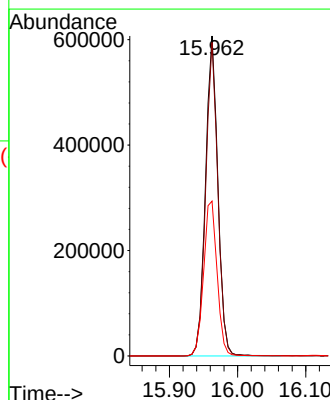
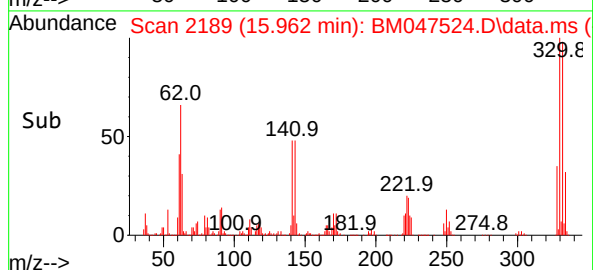
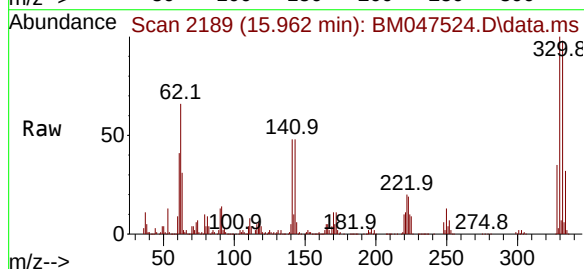
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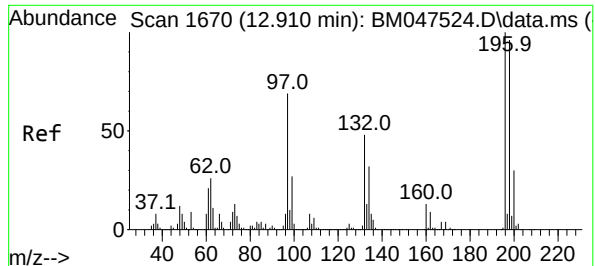
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1670

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 66346

Ion Ratio Lower Upper

196 100

198 96.1 76.9 115.3

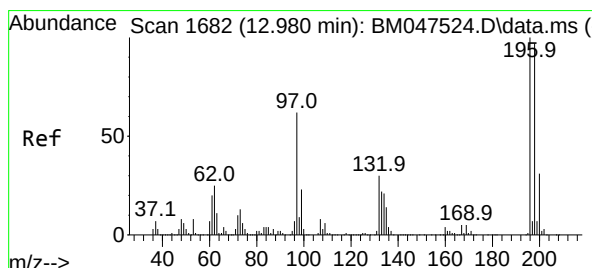
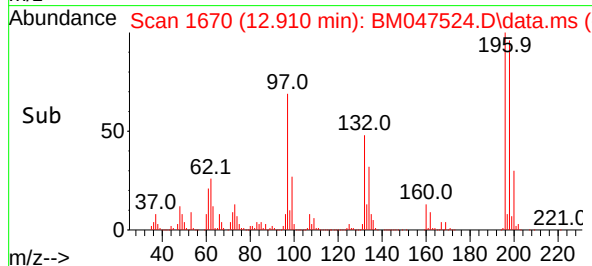
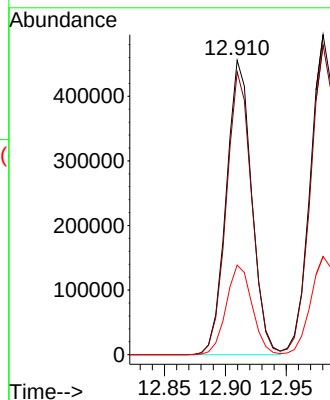
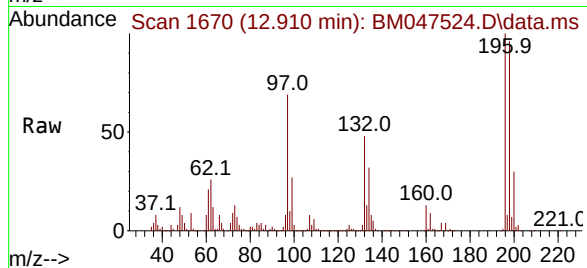
200 30.4 24.3 36.5

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

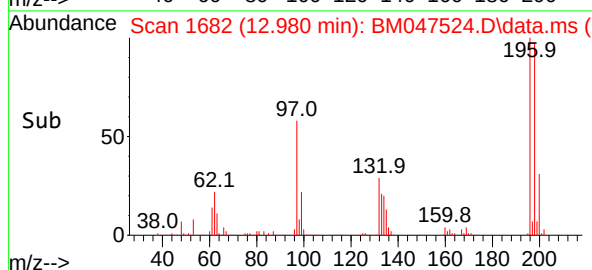
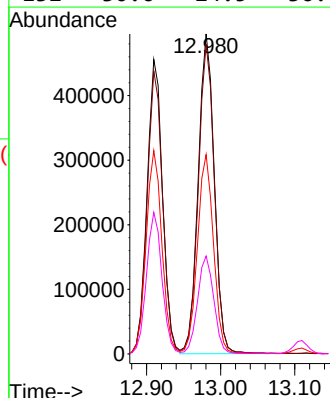
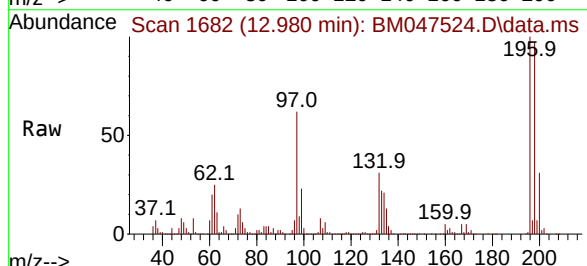
Ion Ratio Lower Upper

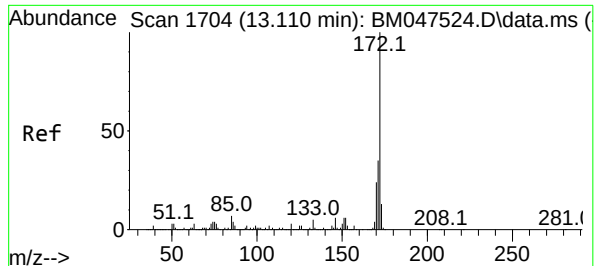
196 100

198 96.8 77.4 116.2

97 62.3 49.8 74.8

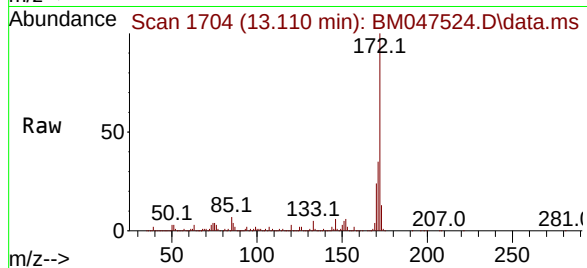
132 30.6 24.5 36.7





#45
2-Fluorobiphenyl
Concen: 83.482 ng
RT: 13.110 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

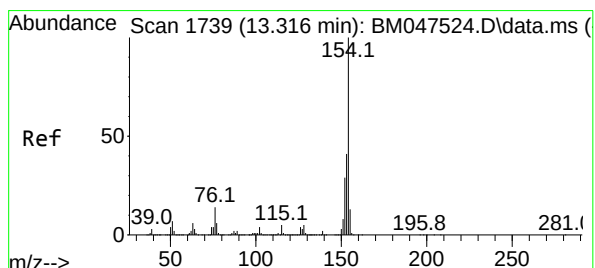
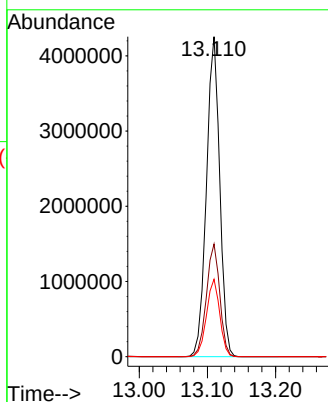
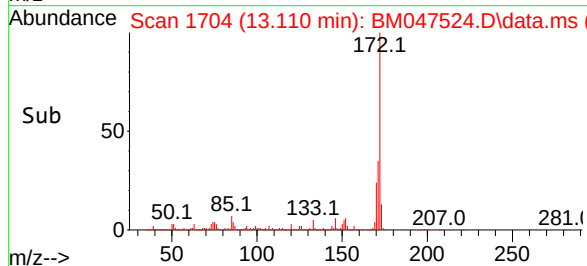
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:172 Resp: 5743669
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 24.2 19.4 29.0

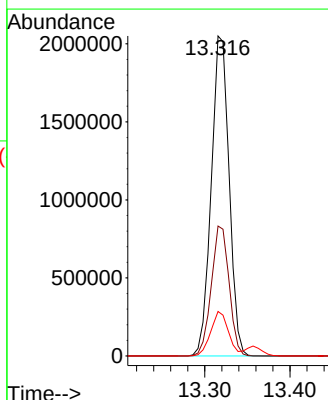
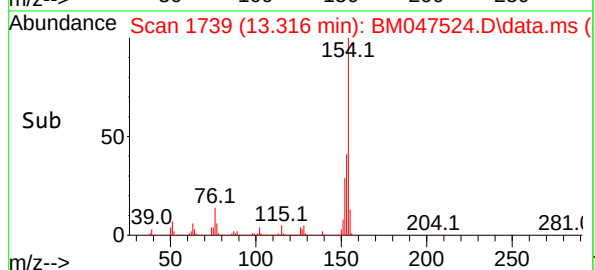
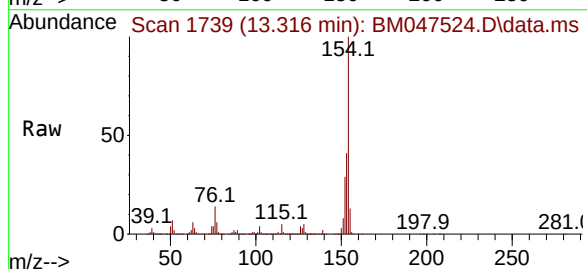
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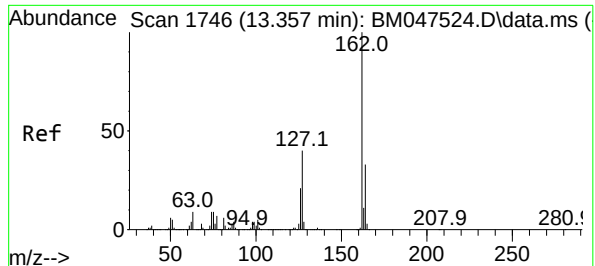
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

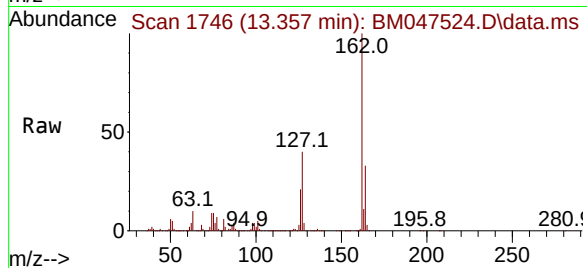
Tgt Ion:154 Resp: 2977591
Ion Ratio Lower Upper
154 100
153 40.6 20.6 60.6
76 13.9 0.0 33.9





#47
2-Chloronaphthalene
Concen: 40.329 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

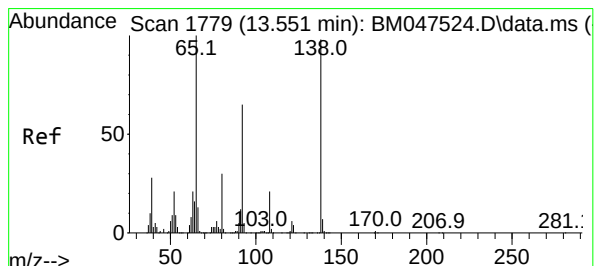
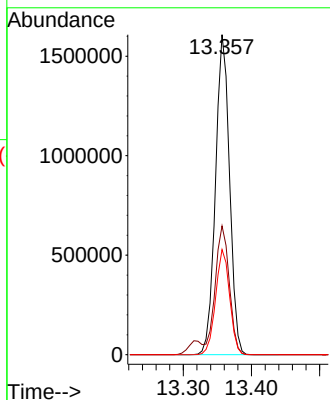
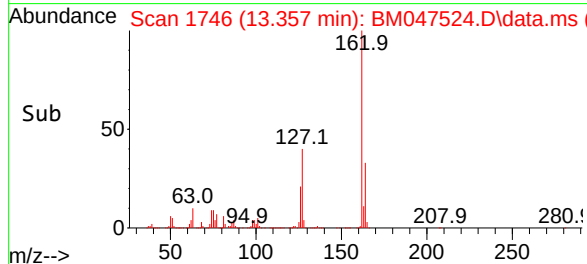
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:162 Resp: 2309174
Ion Ratio Lower Upper
162 100
127 40.3 32.2 48.4
164 32.9 26.3 39.5

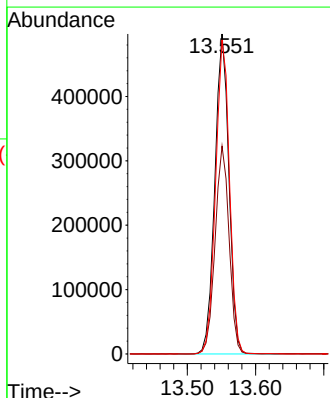
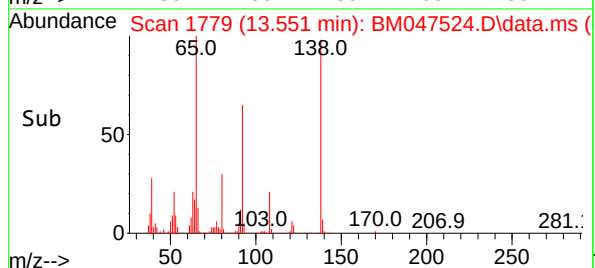
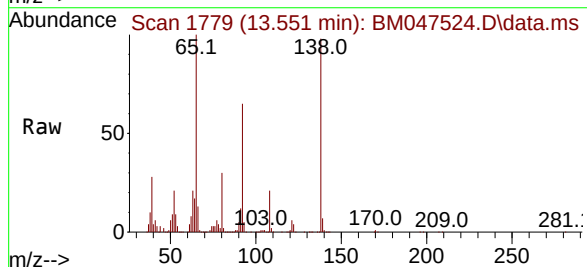
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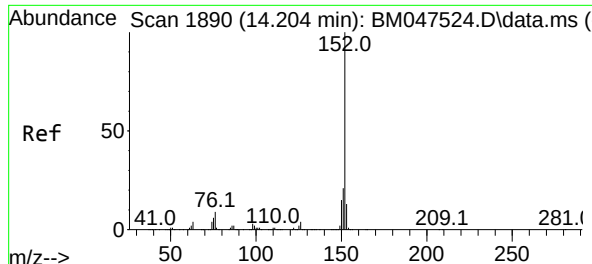
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

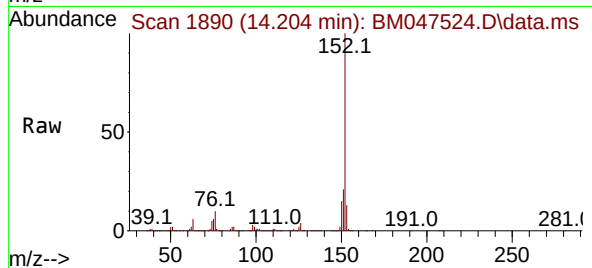
Tgt Ion: 65 Resp: 711905
Ion Ratio Lower Upper
65 100
92 64.9 51.9 77.9
138 98.1 78.5 117.7





#49
Acenaphthylene
Concen: 41.020 ng
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

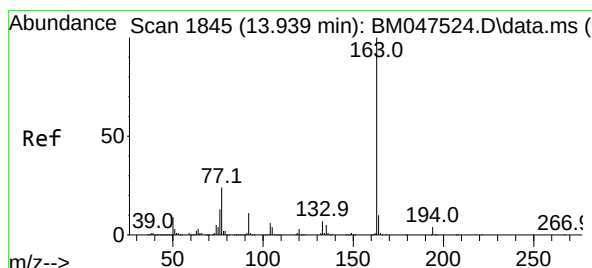
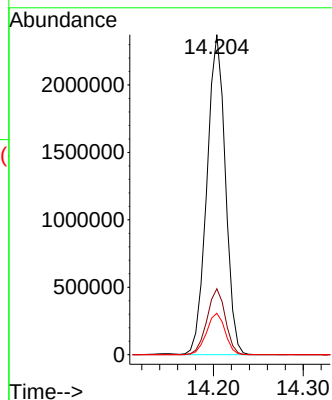
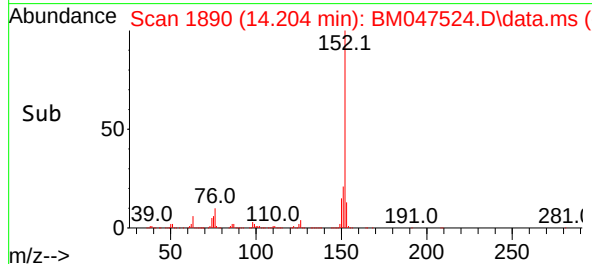
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



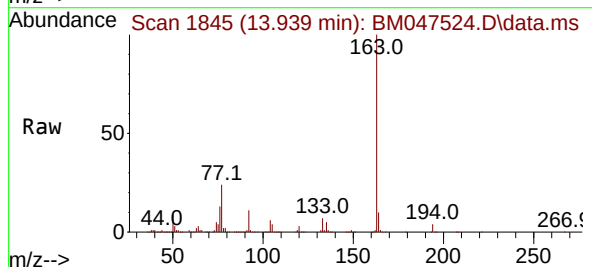
Tgt Ion:152 Resp: 338938
Ion Ratio Lower Upper
152 100
151 20.6 16.5 24.7
153 13.0 10.4 15.6

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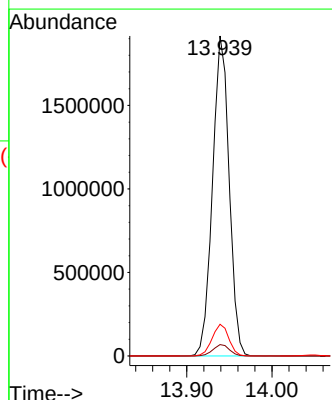
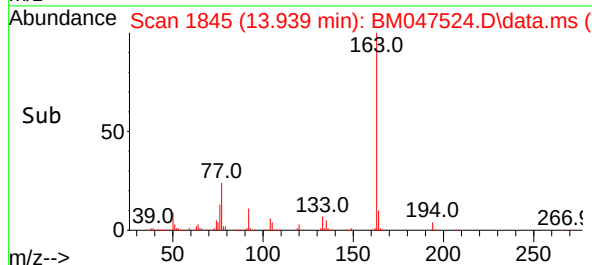
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

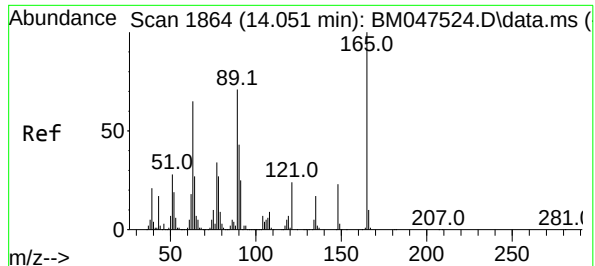


#50
Dimethylphthalate
Concen: 40.269 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35



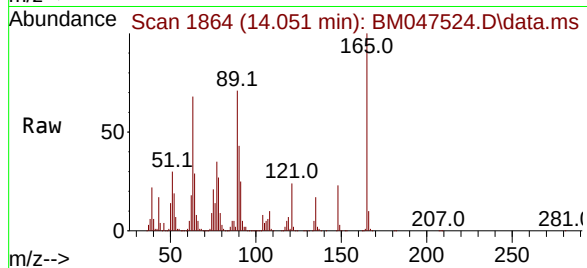
Tgt Ion:163 Resp: 2601271
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.9 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 41.241 ng
RT: 14.051 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

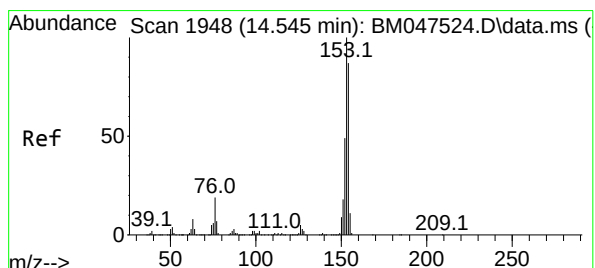
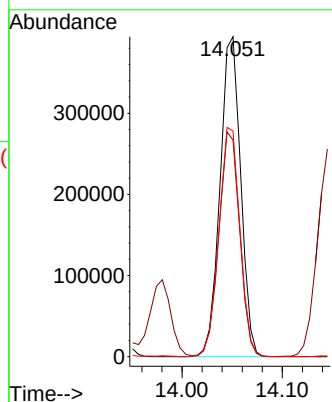
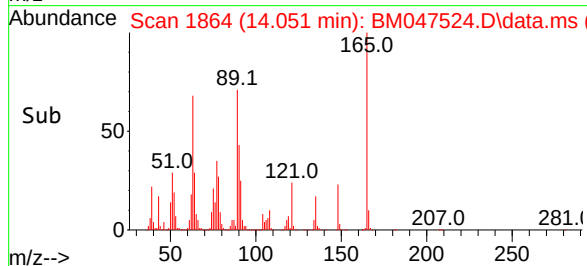
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 562390
Ion Ratio Lower Upper
165 100
63 67.7 54.2 81.2
89 70.5 56.4 84.6

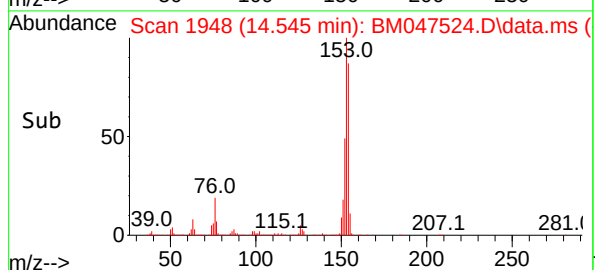
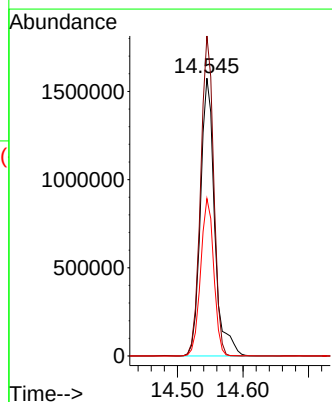
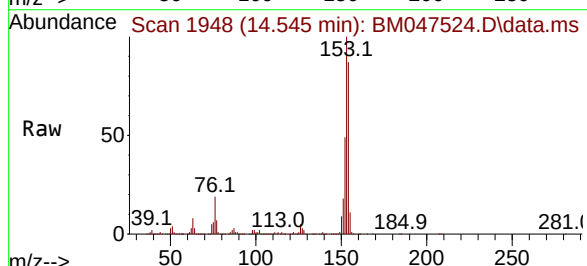
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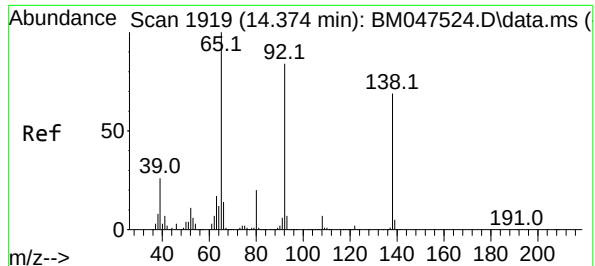
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

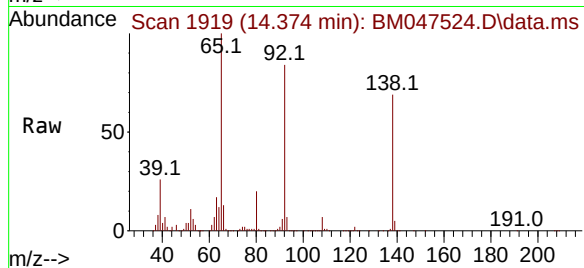
Tgt Ion:154 Resp: 2363816
Ion Ratio Lower Upper
154 100
153 115.2 92.2 138.2
152 56.7 45.4 68.0





#53
3-Nitroaniline
Concen: 41.980 ng
RT: 14.374 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

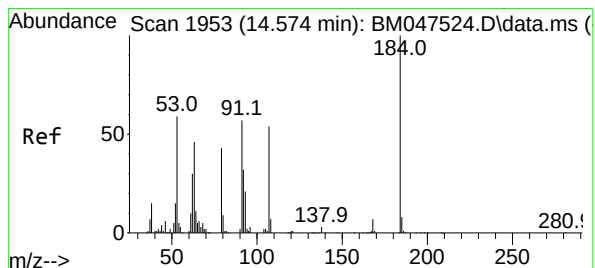
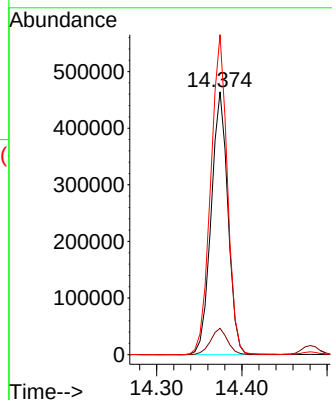
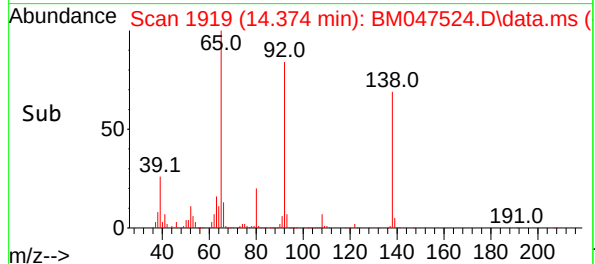
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 636300
Ion Ratio Lower Upper
138 100
108 10.0 8.0 12.0
92 121.7 97.4 146.0

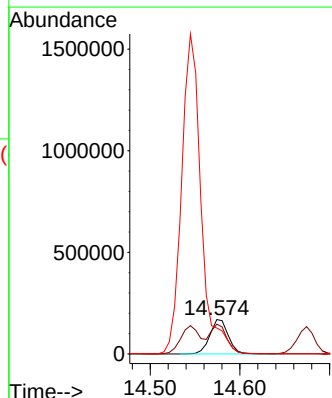
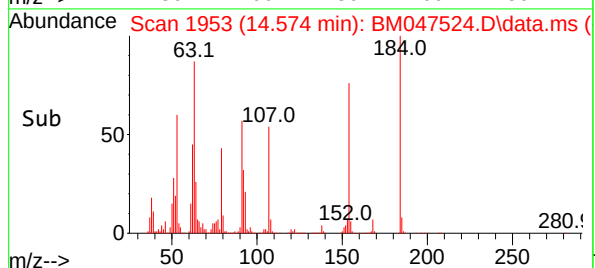
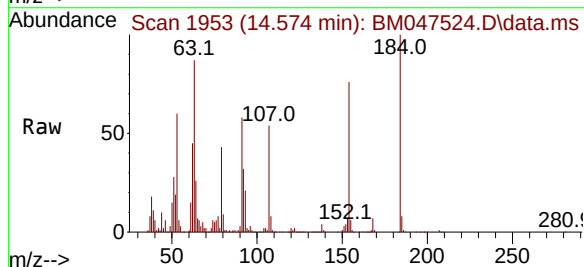
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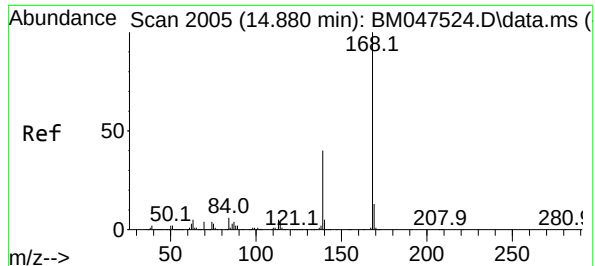
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

Dibenzenofuran

Concen: 40.401 ng

RT: 14.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BM047524.D

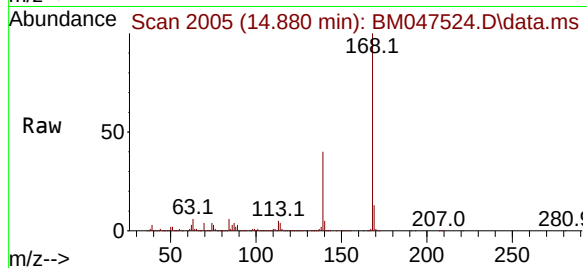
Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040



Tgt Ion:168 Resp: 3286800

Ion Ratio Lower Upper

168 100

139 39.9 31.9 47.9

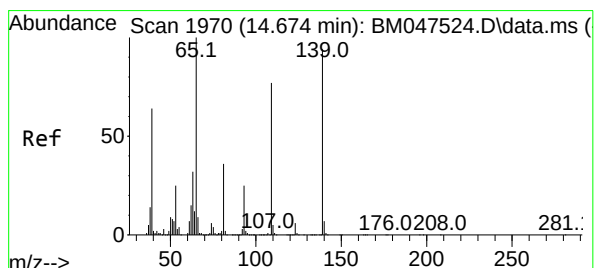
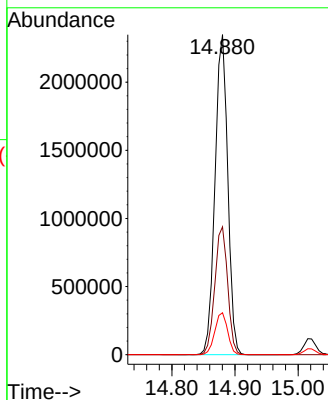
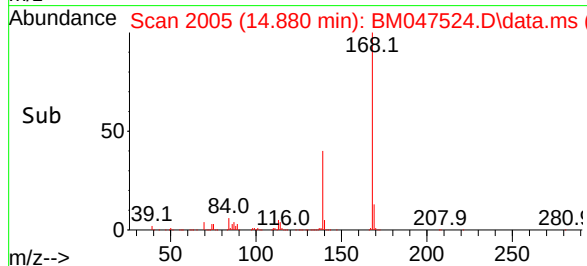
169 13.1 10.5 15.7

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

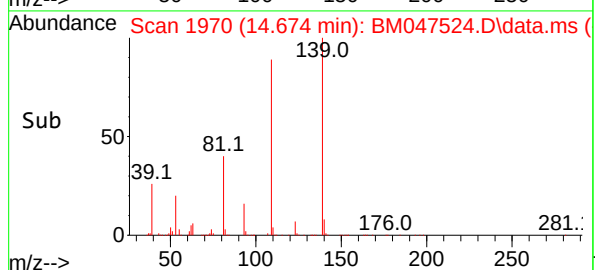
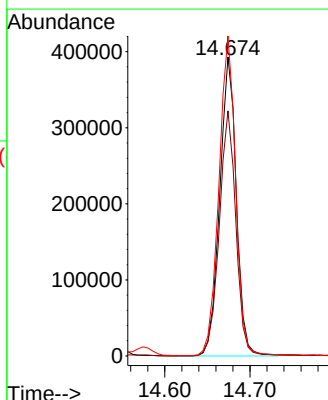
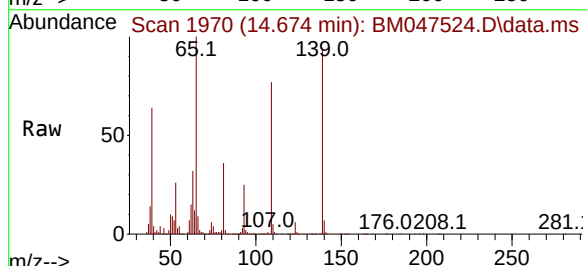
Tgt Ion:139 Resp: 533596

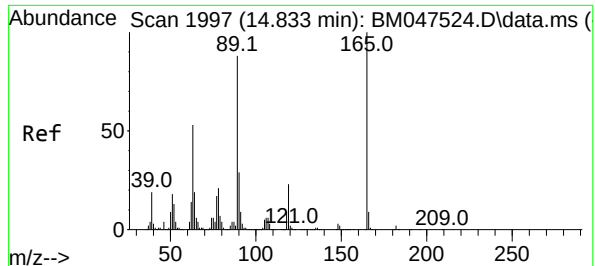
Ion Ratio Lower Upper

139 100

109 82.0 62.0 102.0

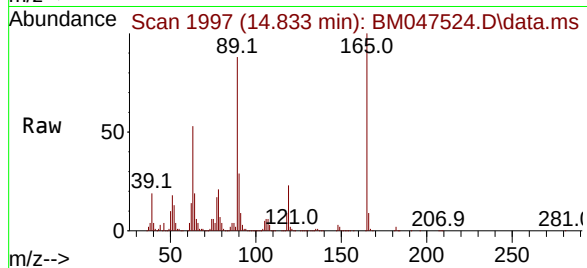
65 107.0 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 42.471 ng
RT: 14.833 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

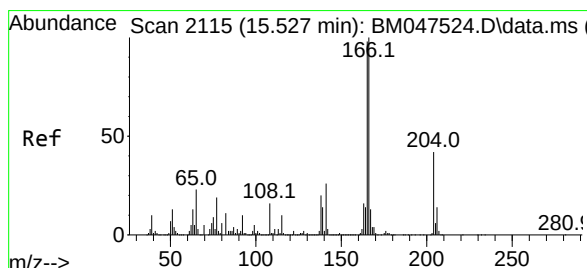
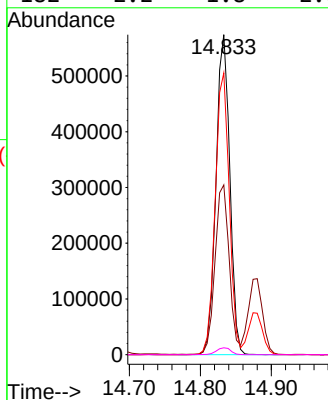
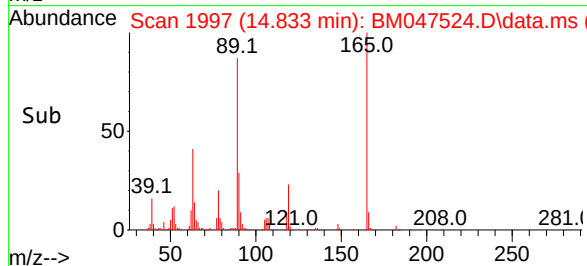
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



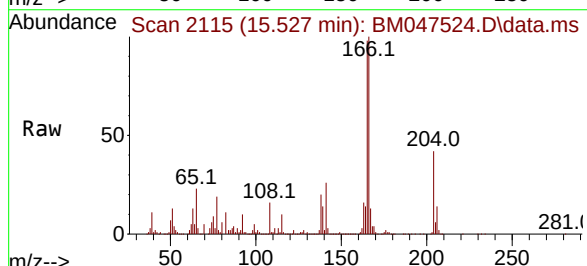
Tgt Ion:165 Resp: 772430
Ion Ratio Lower Upper
165 100
63 53.0 42.4 63.6
89 88.1 70.5 105.7
182 2.2 1.8 2.6

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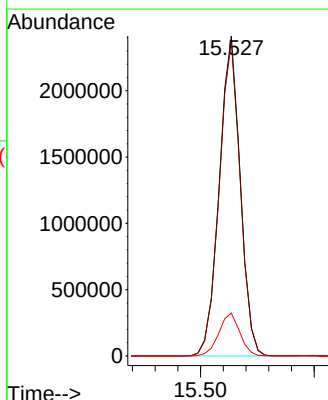
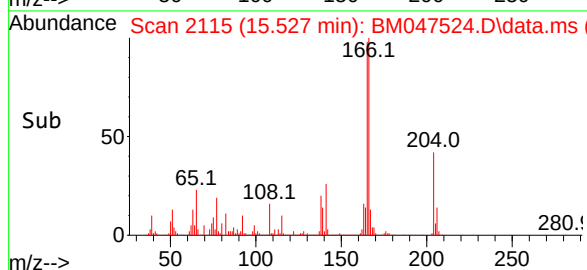
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

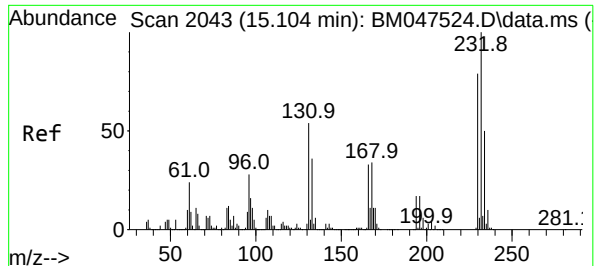


#58
Fluorene
Concen: 42.182 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35



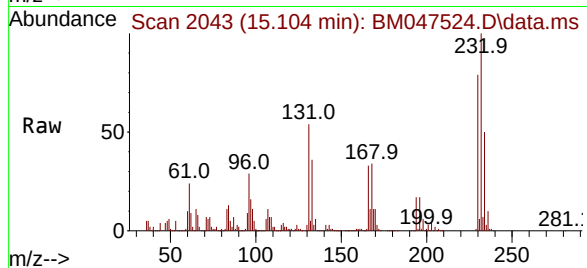
Tgt Ion:166 Resp: 3089638
Ion Ratio Lower Upper
166 100
165 98.2 78.6 117.8
167 13.4 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.011 ng
RT: 15.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

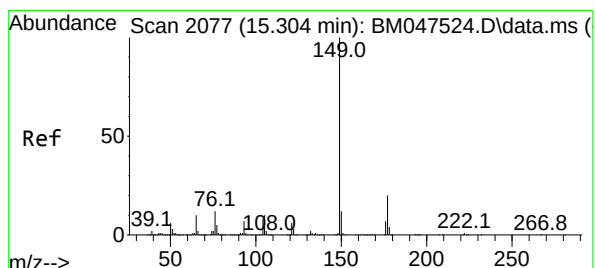
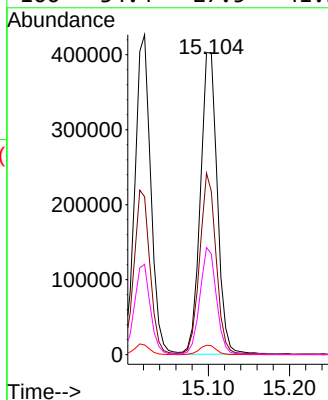
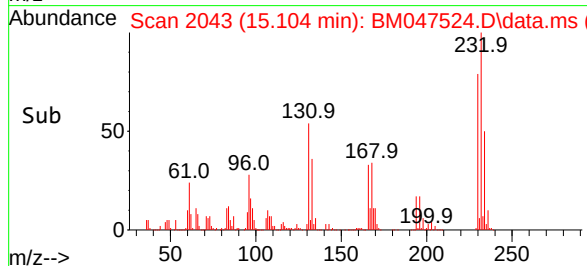
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



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

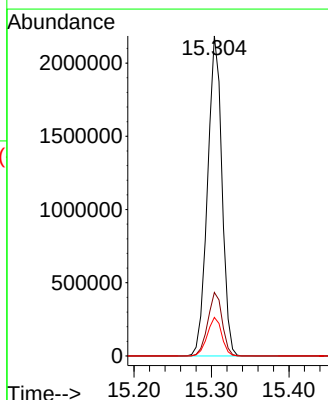
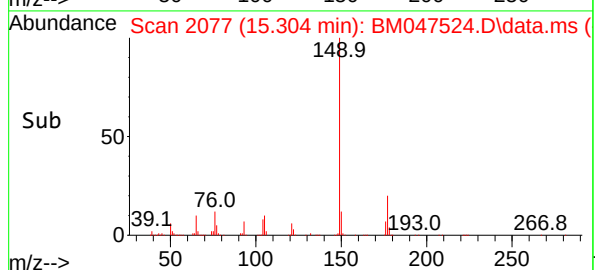
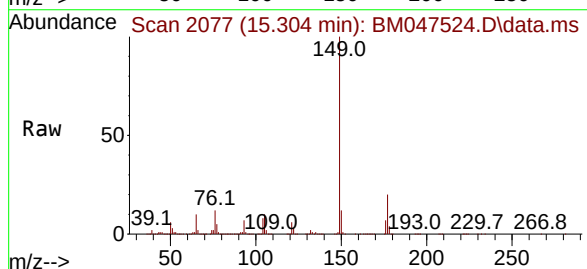
Manual Integrations
APPROVED

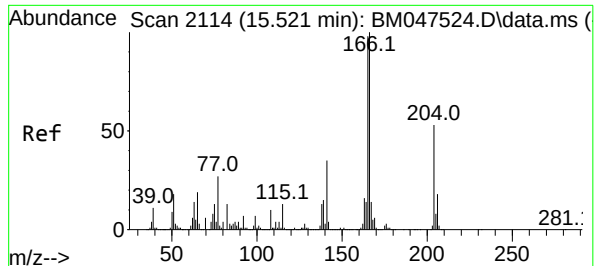
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

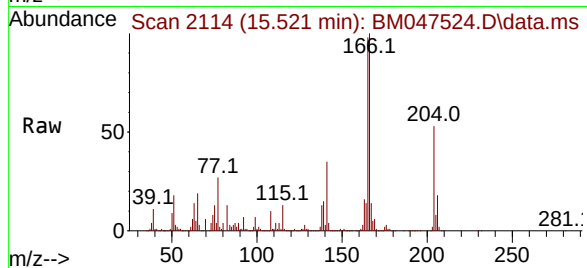
Tgt Ion:149 Resp: 2809721
Ion Ratio Lower Upper
149 100
177 19.8 15.8 23.8
150 12.1 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 42.091 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

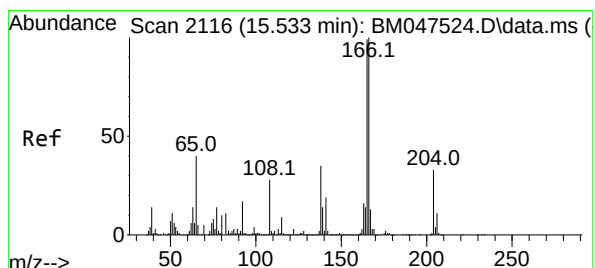
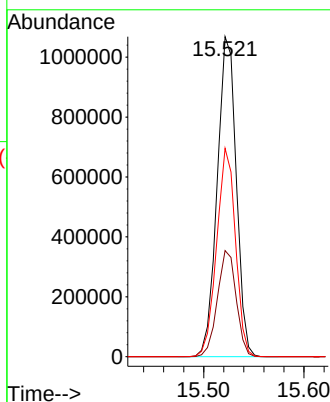
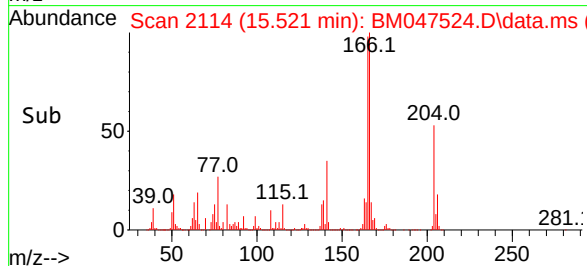
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



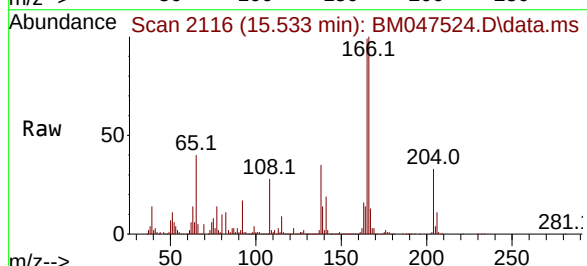
Tgt Ion:204 Resp: 140966
Ion Ratio Lower Upper
204 100
206 33.1 26.5 39.7
141 65.1 52.1 78.1

Manual Integrations
APPROVED

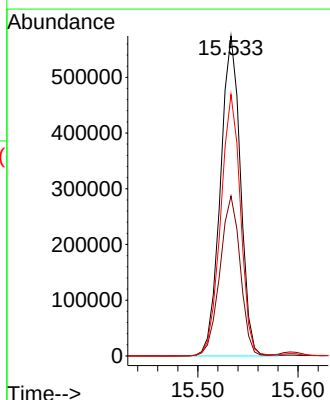
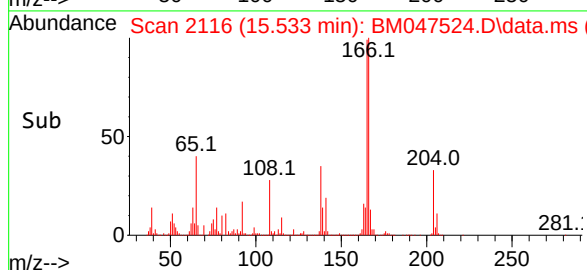
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

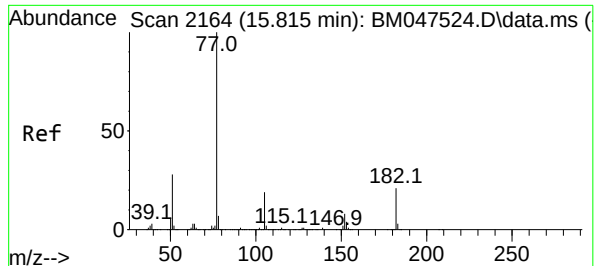


#62
4-Nitroaniline
Concen: 44.661 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35



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# 2164

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

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

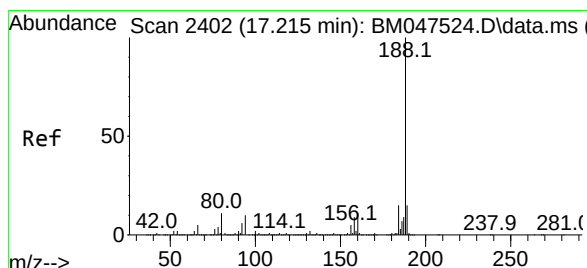
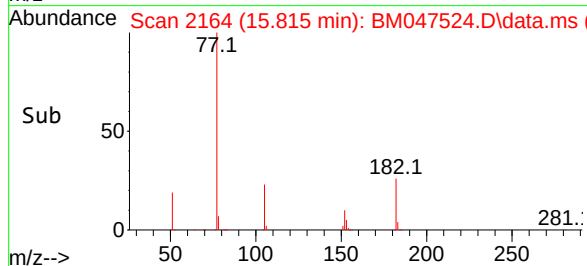
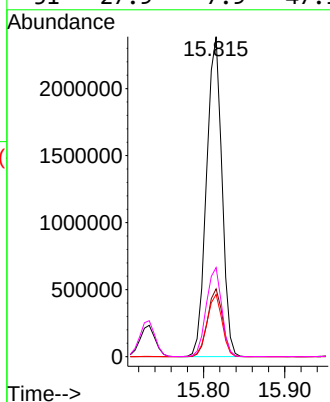
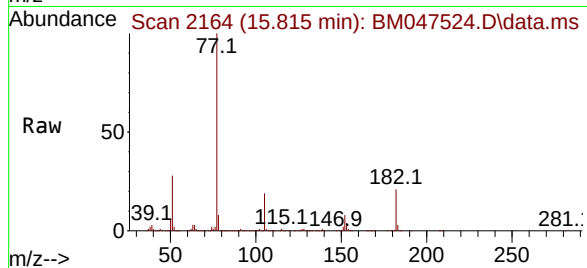
51 27.9 7.9 47.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

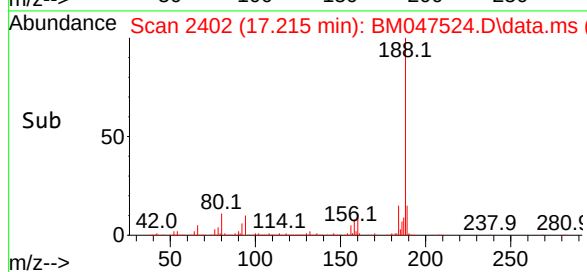
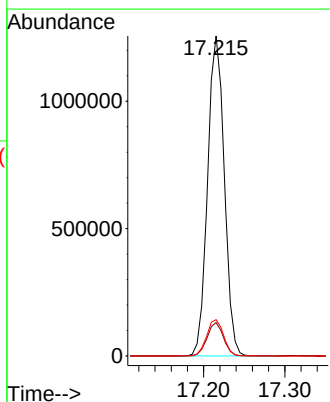
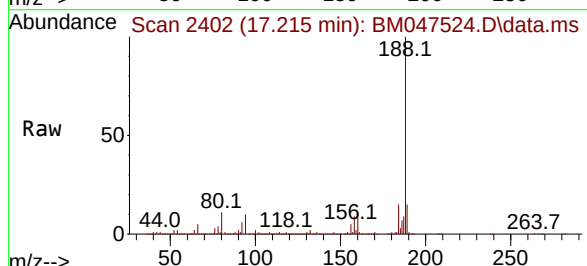
Tgt Ion:188 Resp: 1792326

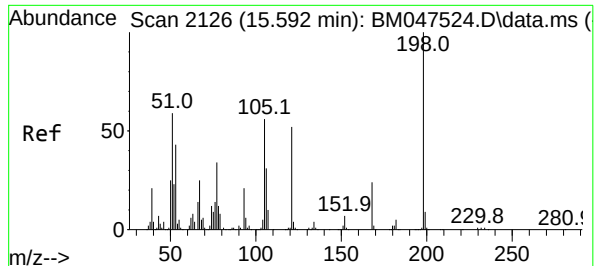
Ion Ratio Lower Upper

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# 2126

Delta R.T. -0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:198 Resp: 327400

Ion Ratio Lower Upper

198 100

51 61.5 41.5 81.5

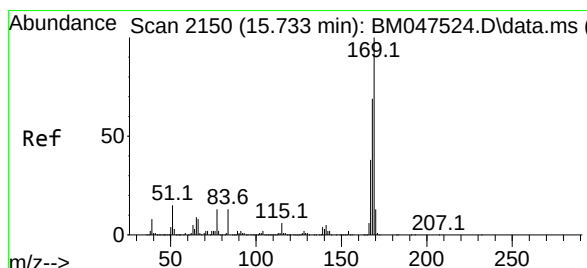
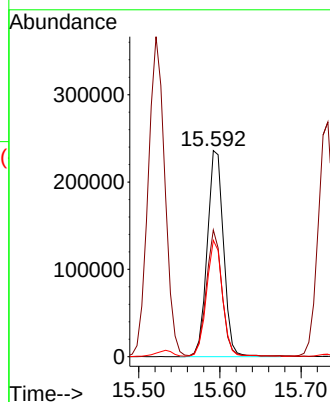
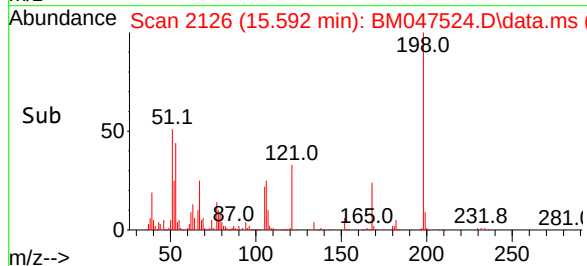
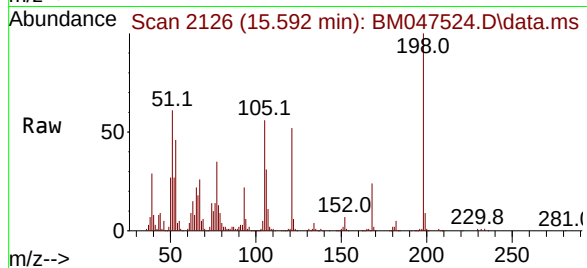
105 56.4 36.4 76.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

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

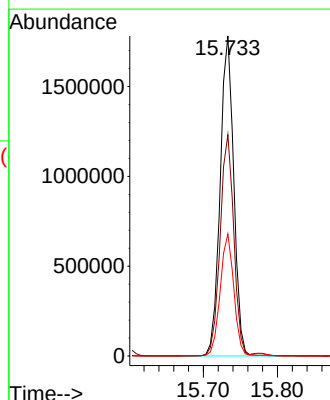
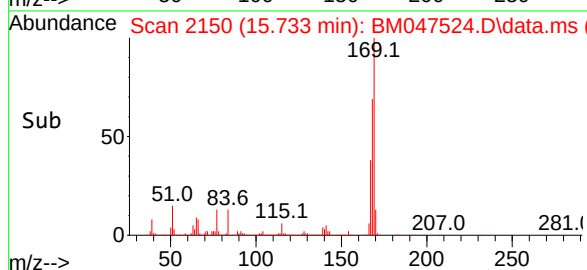
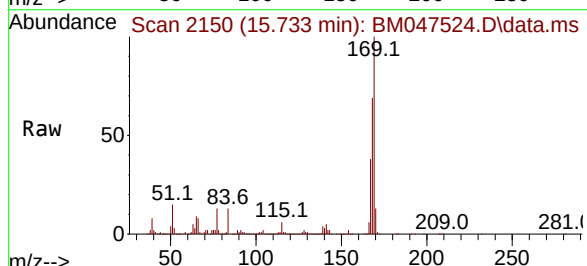
Tgt Ion:169 Resp: 2266693

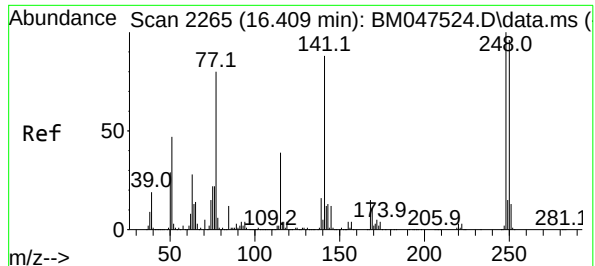
Ion Ratio Lower Upper

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# 2265

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:248 Resp: 705864

Ion Ratio Lower Upper

248 100

250 96.1 76.9 115.3

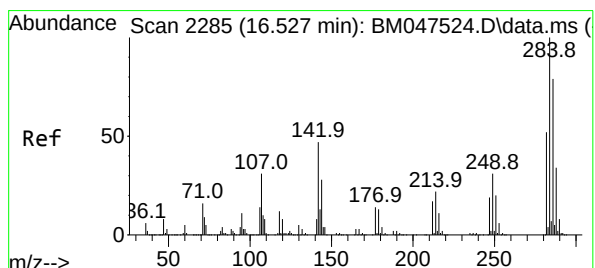
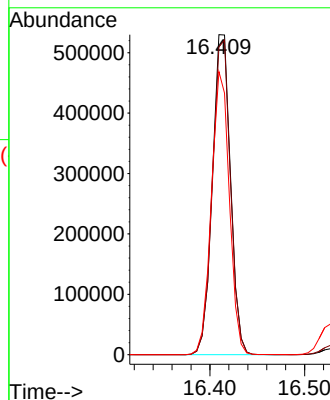
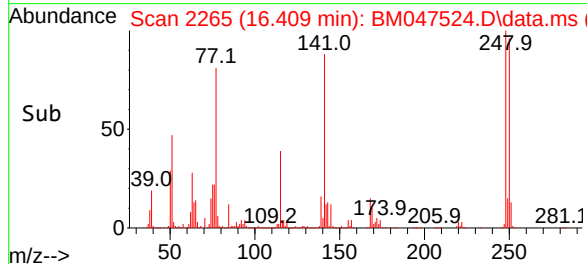
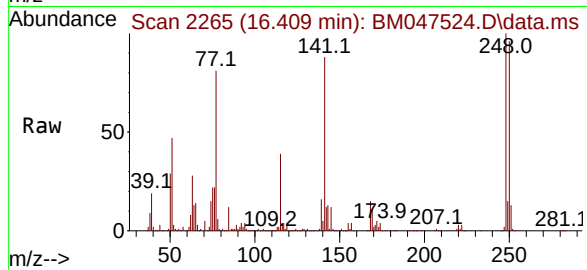
141 88.5 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

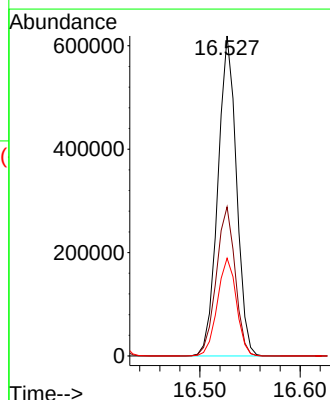
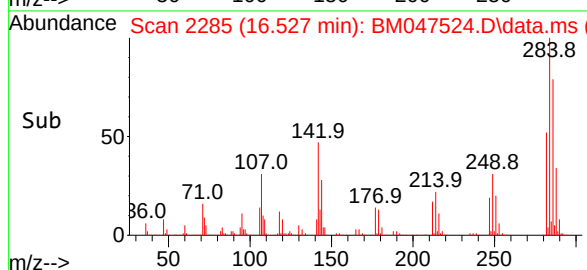
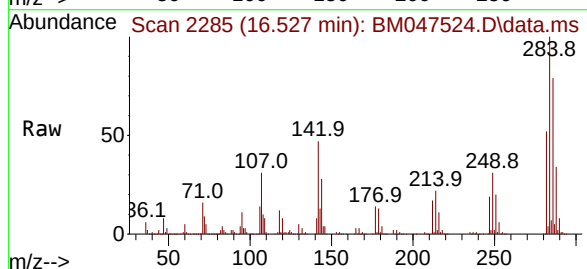
Tgt Ion:284 Resp: 796111

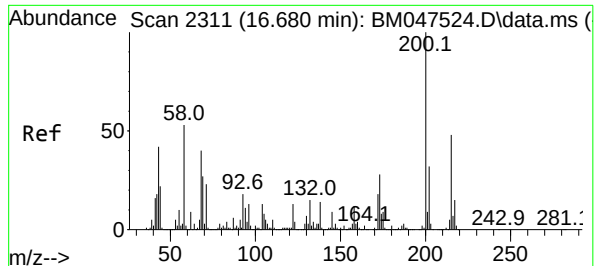
Ion Ratio Lower Upper

284 100

142 46.6 37.3 55.9

249 30.6 24.5 36.7





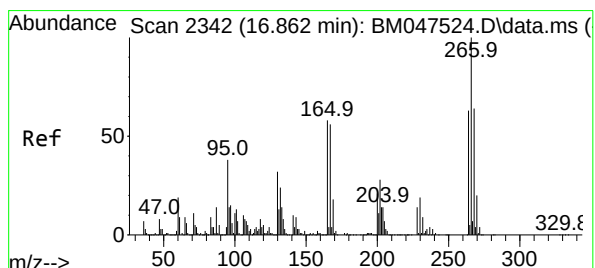
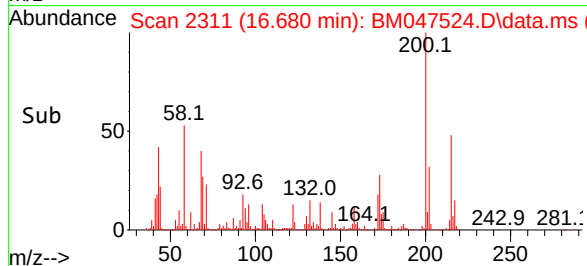
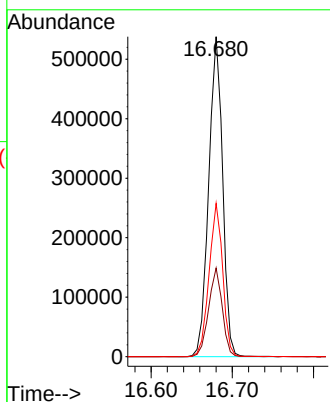
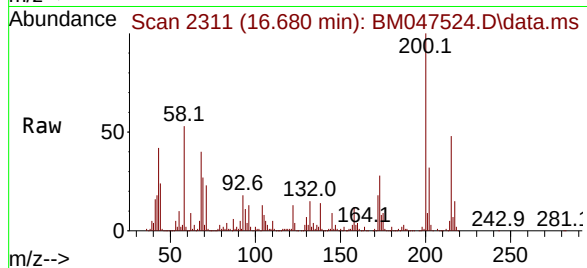
#69
Atrazine
Concen: 42.135 ng
RT: 16.680 min Scan# 2311
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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

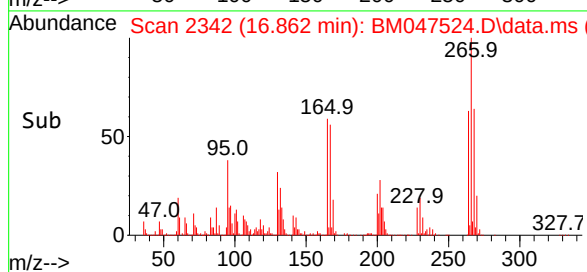
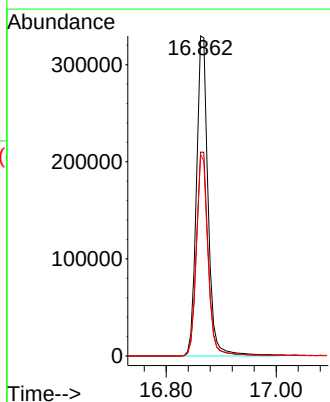
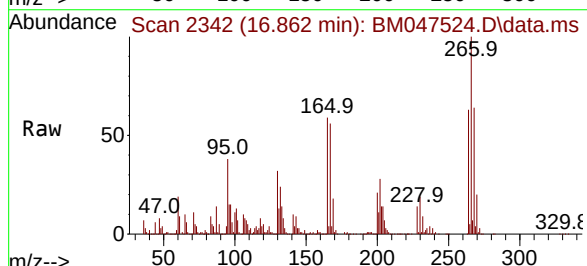
Manual Integrations
APPROVED

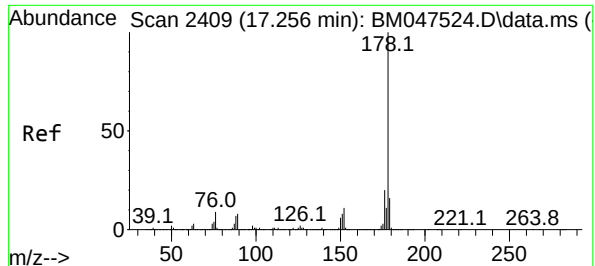
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

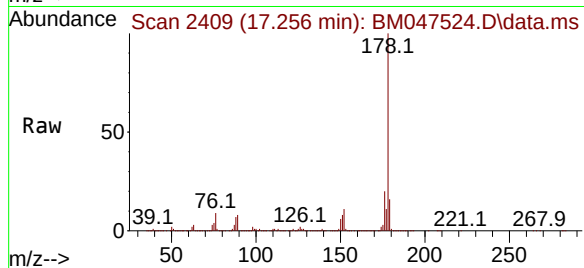
Tgt Ion:266 Resp: 486319
Ion Ratio Lower Upper
266 100
268 63.7 51.0 76.4
264 63.0 50.4 75.6





#71
Phenanthrene
Concen: 41.163 ng
RT: 17.256 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

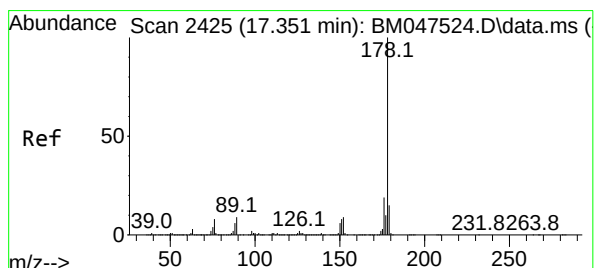
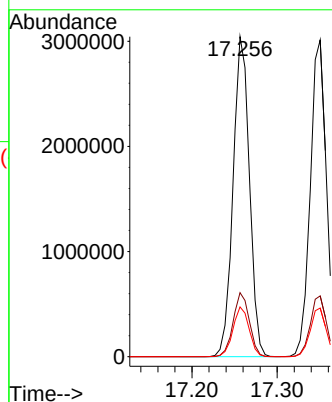
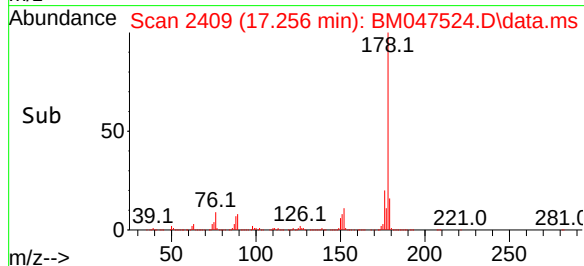
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



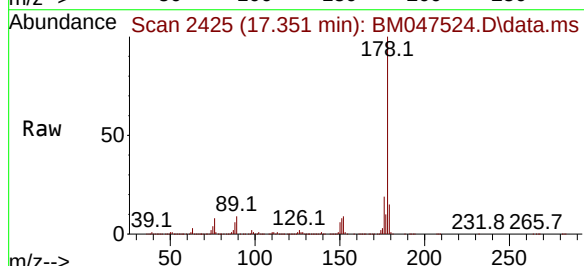
Tgt Ion:178 Resp: 406583
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.5 12.4 18.6

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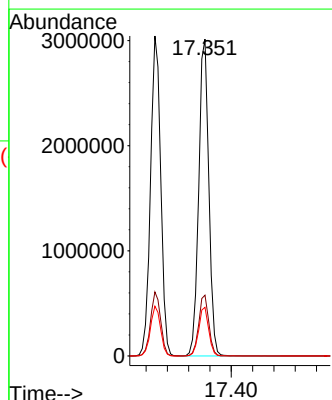
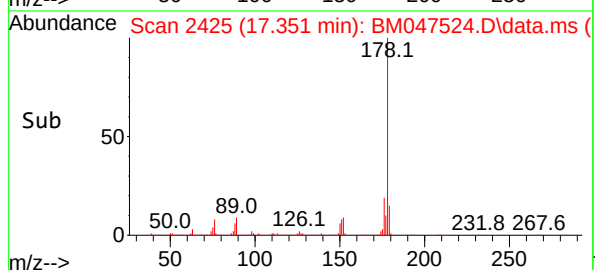
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

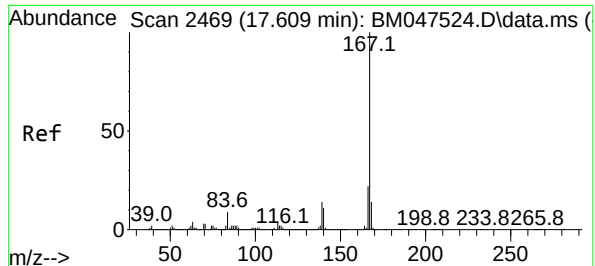


#72
Anthracene
Concen: 41.695 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35



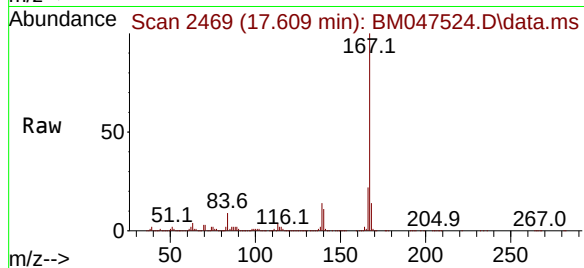
Tgt Ion:178 Resp: 3956786
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.3 18.5





#73
Carbazole
Concen: 41.537 ng
RT: 17.609 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

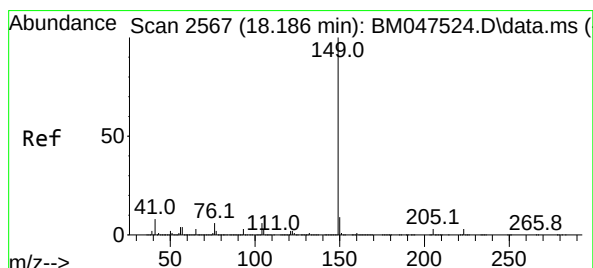
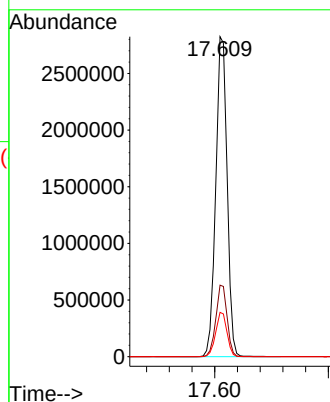
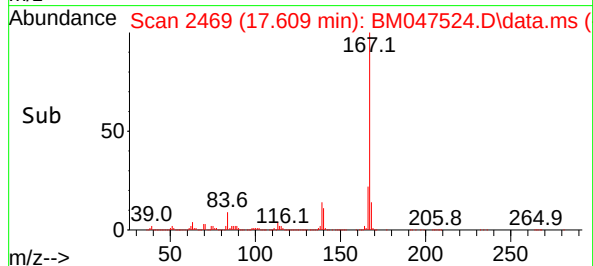
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 3906452
Ion Ratio Lower Upper
167 100
166 22.3 17.8 26.8
139 13.8 11.0 16.6

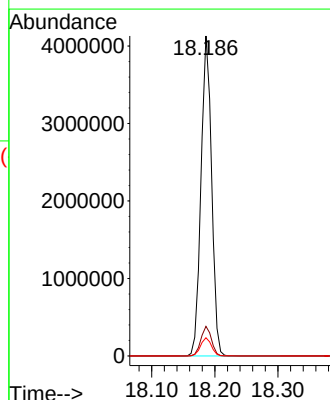
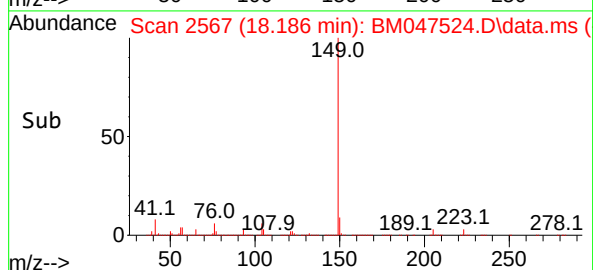
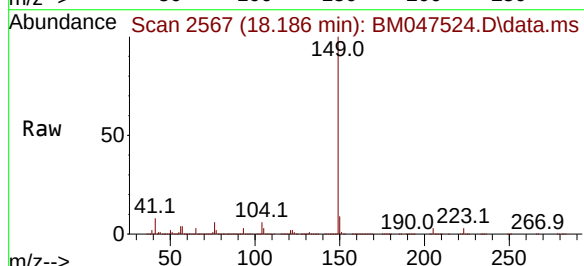
Manual Integrations
APPROVED

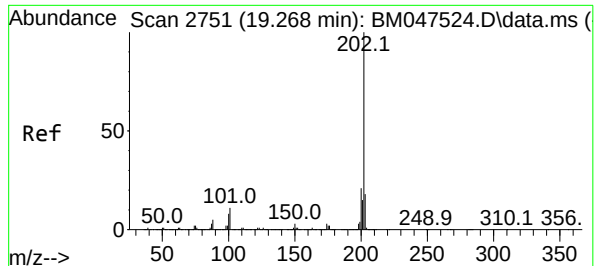
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

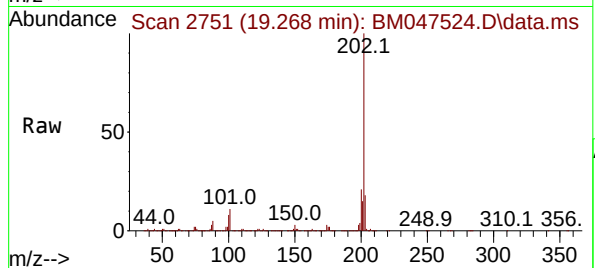
Tgt Ion:149 Resp: 4803649
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.7 4.6 6.8





#75
Fluoranthene
Concen: 42.622 ng
RT: 19.268 min Scan# 2751
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

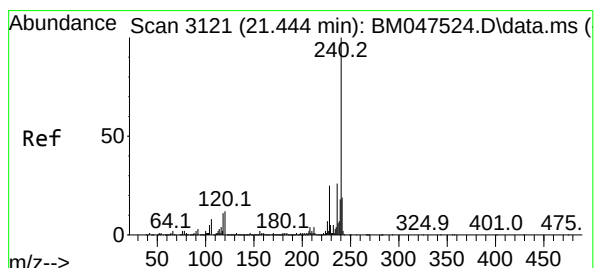
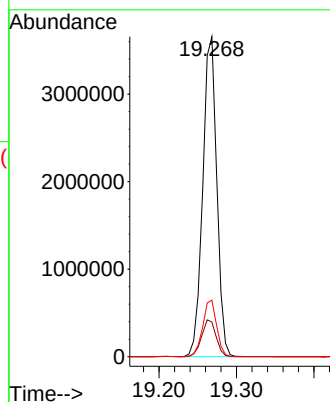
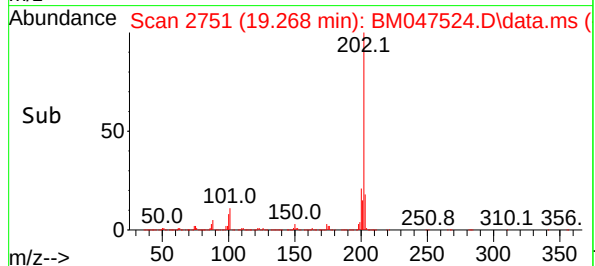
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 4593392
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.8
203 17.7 0.0 37.7

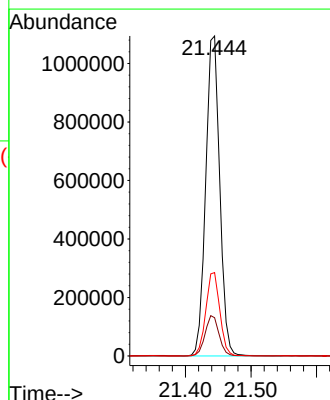
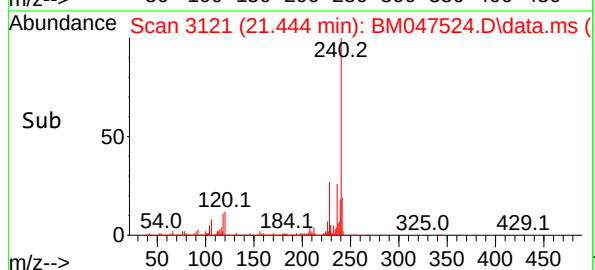
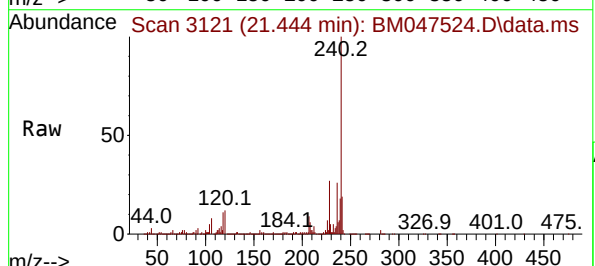
Manual Integrations
APPROVED

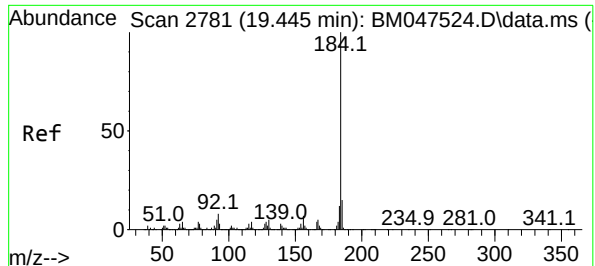
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

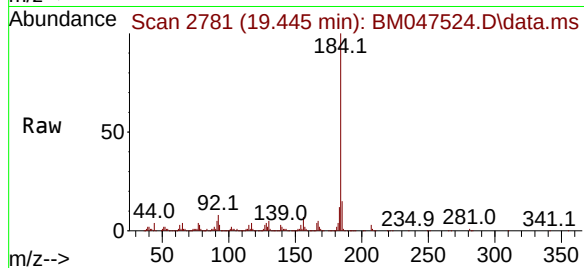
Tgt Ion:240 Resp: 1627798
Ion Ratio Lower Upper
240 100
120 12.0 9.6 14.4
236 26.1 20.9 31.3





#77
Benzidine
Concen: 35.993 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

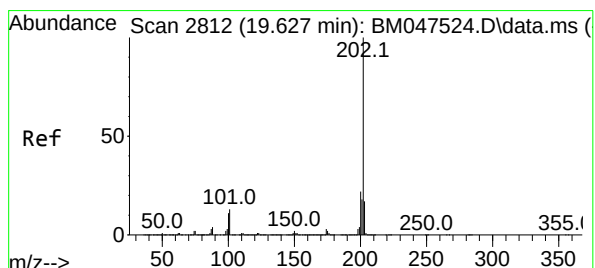
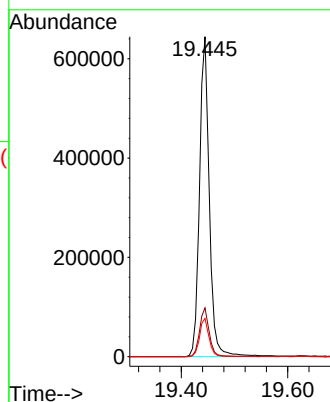
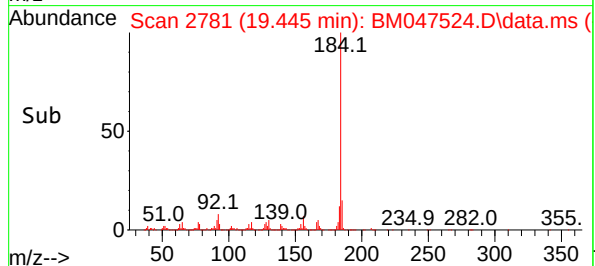
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



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

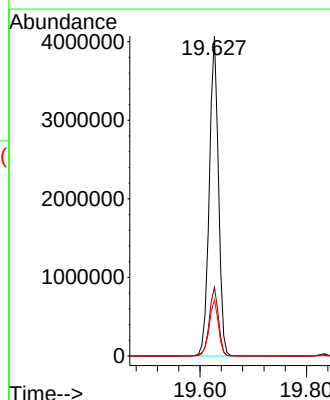
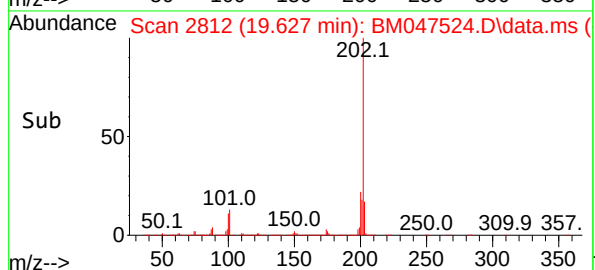
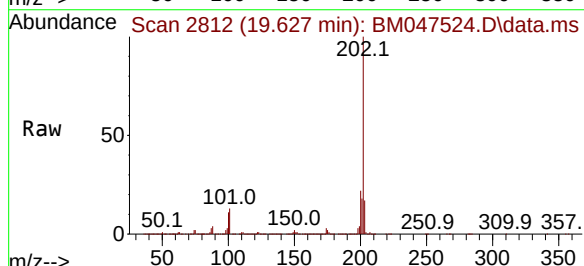
Manual Integrations
APPROVED

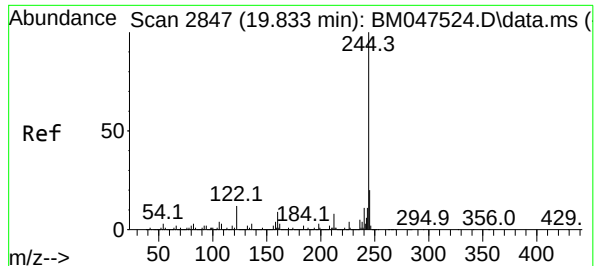
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

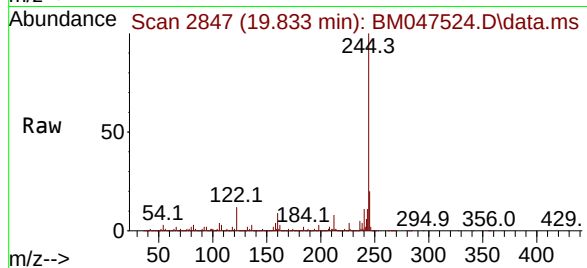
Tgt Ion:202 Resp: 4862723
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 17.5 14.0 21.0





#79
Terphenyl-d14
Concen: 90.034 ng
RT: 19.833 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

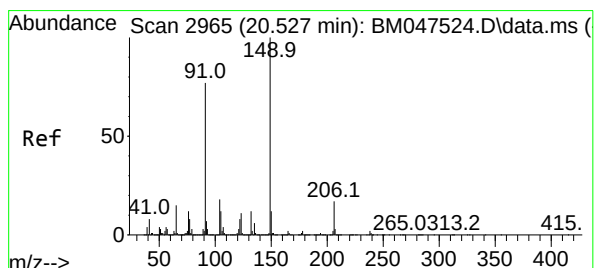
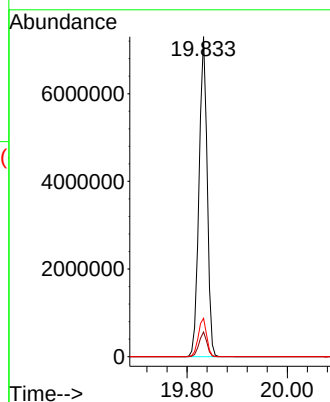
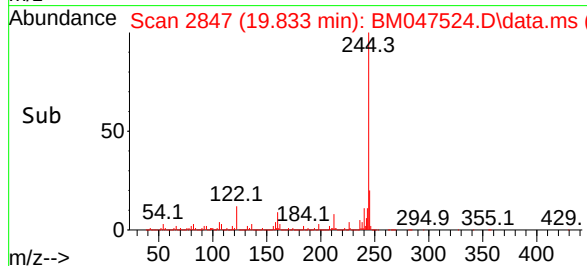
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



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

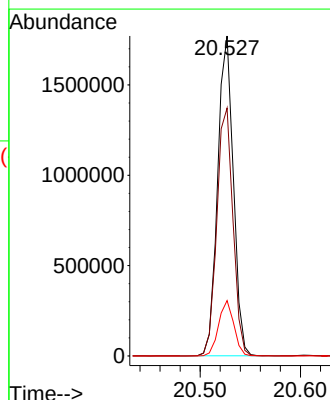
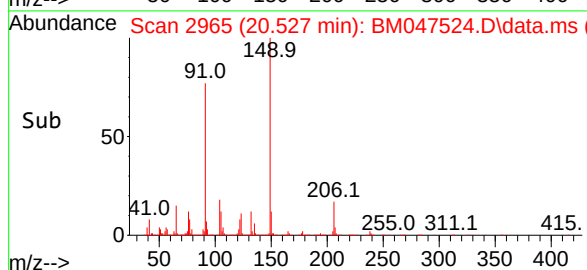
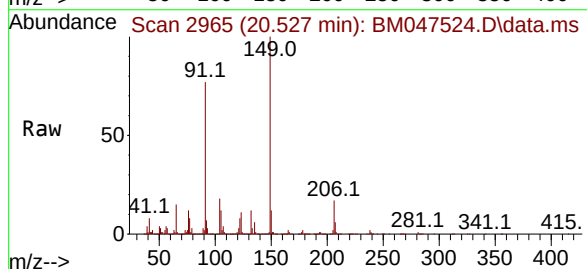
Manual Integrations
APPROVED

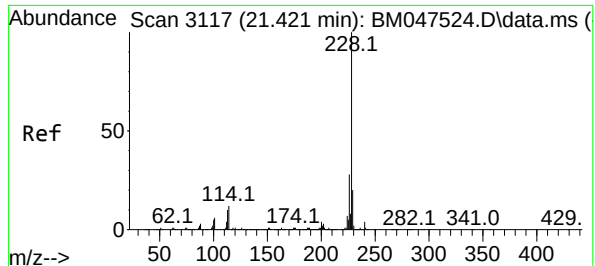
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

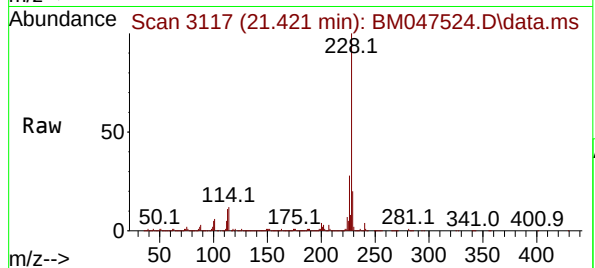
Tgt Ion:149 Resp: 1915535
Ion Ratio Lower Upper
149 100
91 77.5 62.0 93.0
206 17.3 13.8 20.8





#81
Benzo(a)anthracene
Concen: 40.888 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

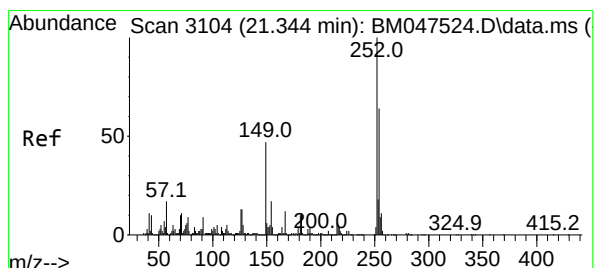
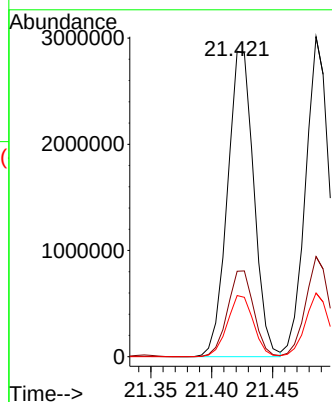
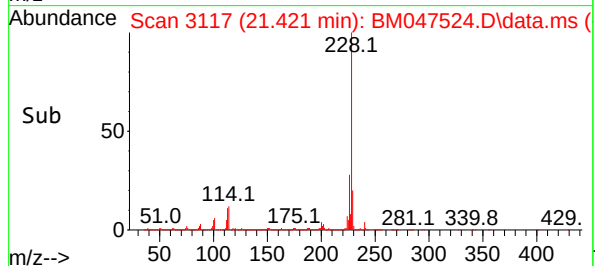
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 4338220
Ion Ratio Lower Upper
228 100
226 28.0 22.4 33.6
229 20.0 16.0 24.0

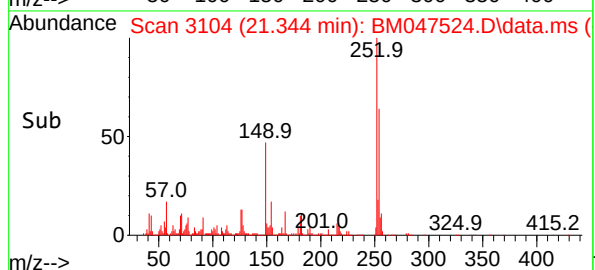
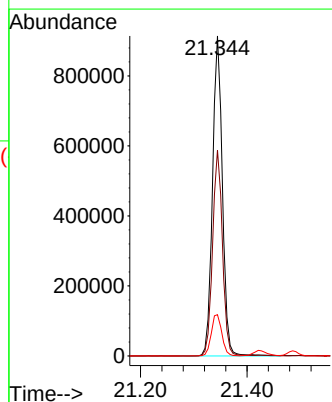
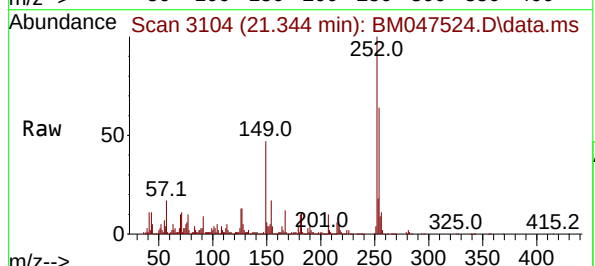
Manual Integrations
APPROVED

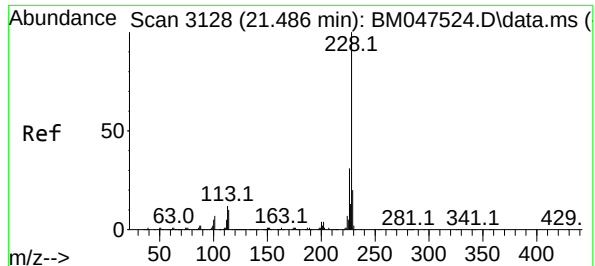
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

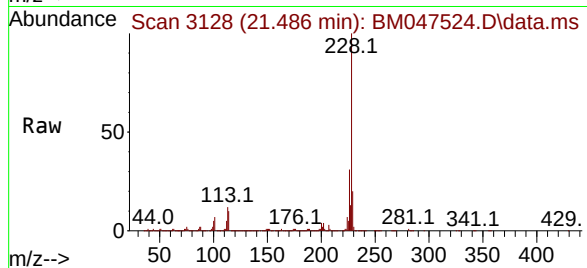
Tgt Ion:252 Resp: 1177624
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 12.9 10.3 15.5





#83
Chrysene
Concen: 40.682 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

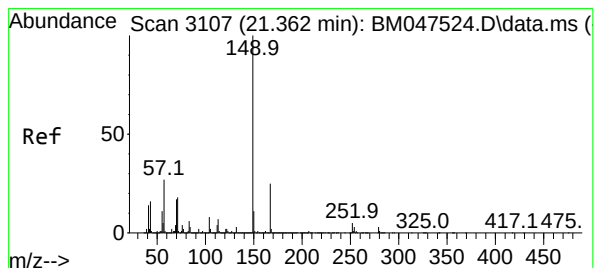
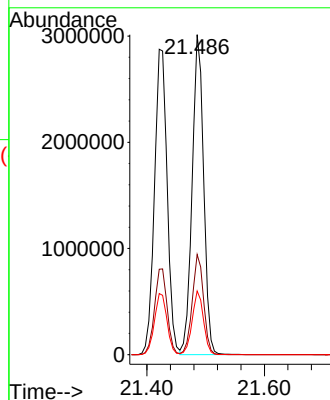
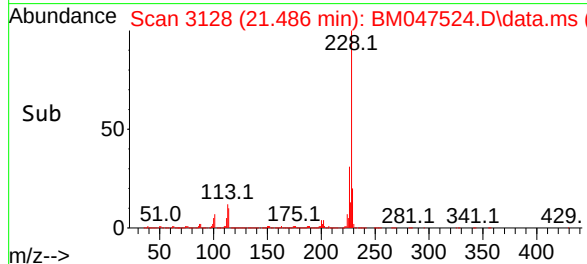
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 4082724
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 19.9 15.9 23.9

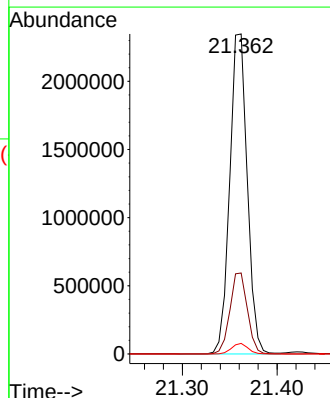
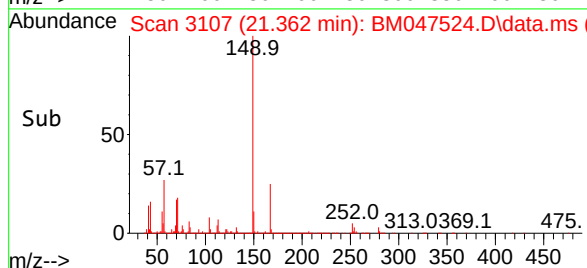
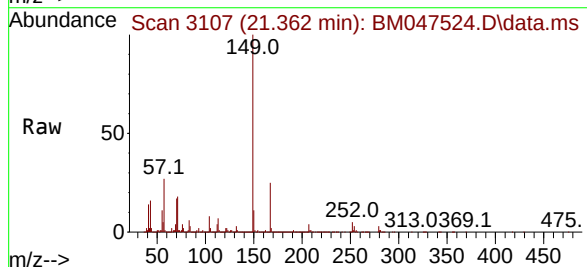
Manual Integrations
APPROVED

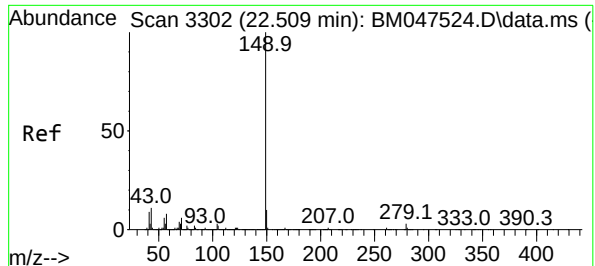
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

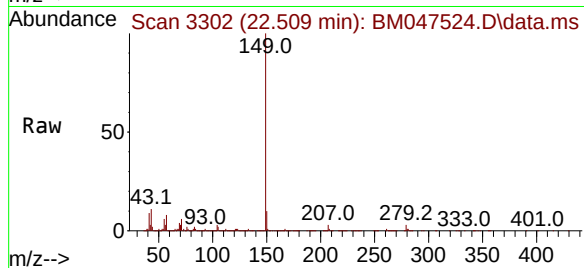
Tgt Ion:149 Resp: 3022758
Ion Ratio Lower Upper
149 100
167 25.3 20.2 30.4
279 3.3 2.6 4.0





#85
Di-n-octyl phthalate
Concen: 41.825 ng
RT: 22.509 min Scan# 3302
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

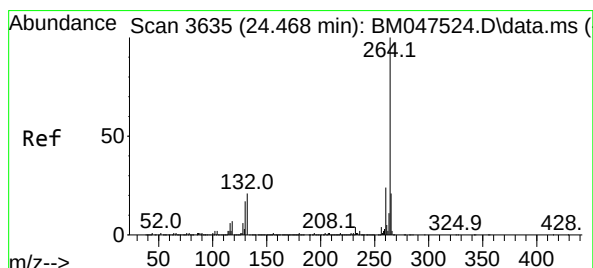
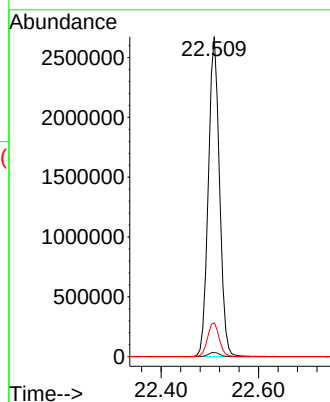
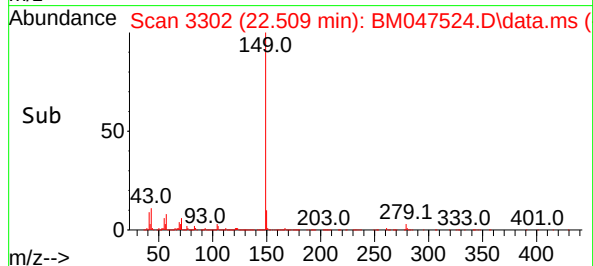
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 4236094
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 11.1 8.9 13.3

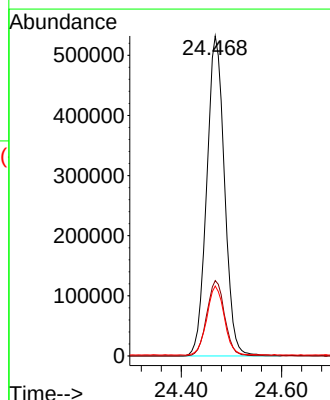
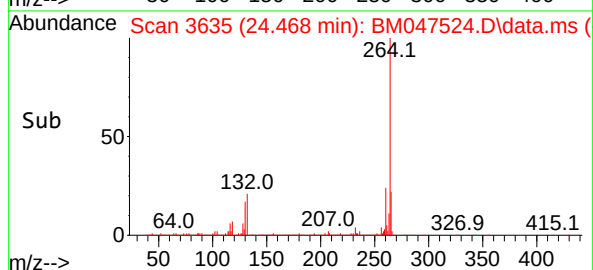
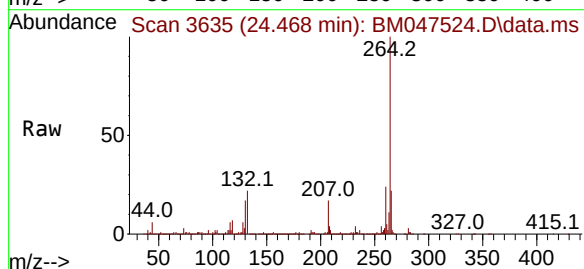
Manual Integrations
APPROVED

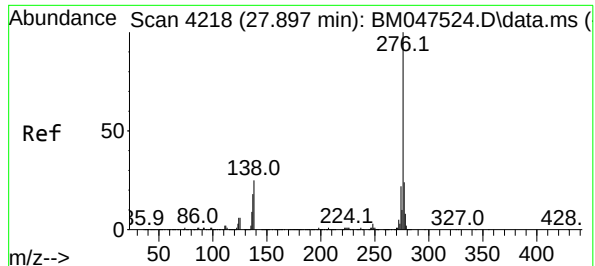
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

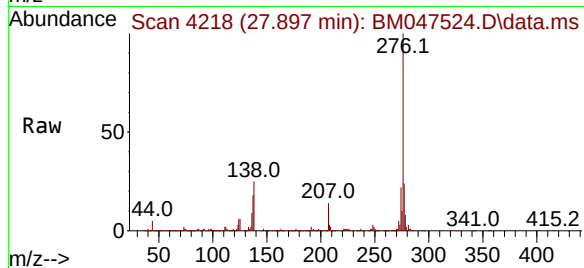
Tgt Ion:264 Resp: 1308860
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.575 ng
RT: 27.897 min Scan# 4218
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

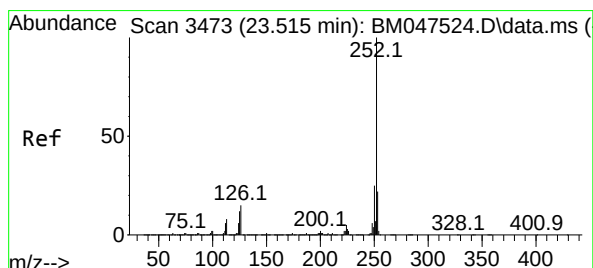
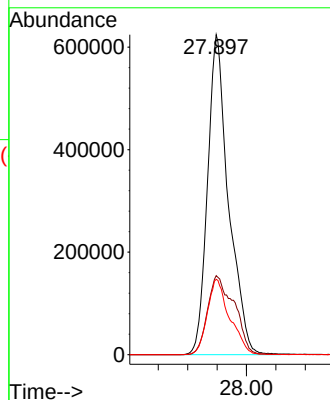
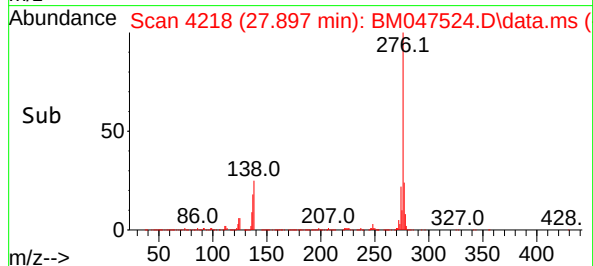
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion: 276 Resp: 3099824
Ion Ratio Lower Upper
276 100
138 31.3 25.0 37.6
277 25.1 20.1 30.1

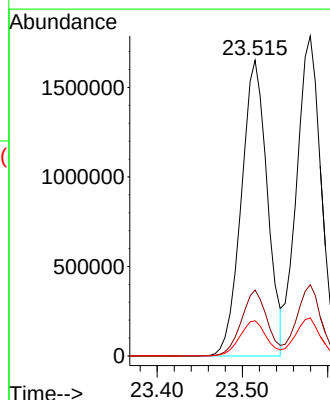
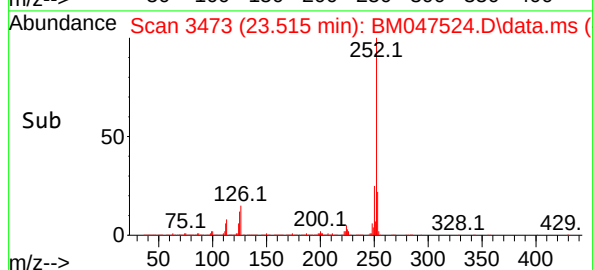
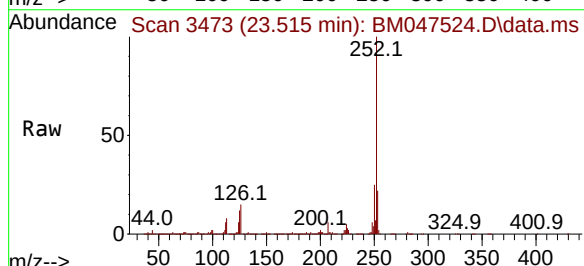
Manual Integrations
APPROVED

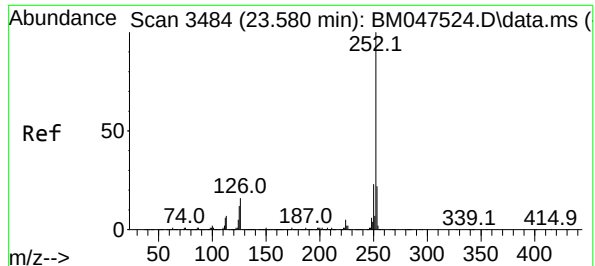
Reviewed By : Yogesh Patel 09/16/2024
Supervised By : mohammad ahmed 09/17/2024



#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# 3484

Delta R.T. 0.000 min

Lab File: BM047524.D

Acq: 14 Sep 2024 14:35

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 357021

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

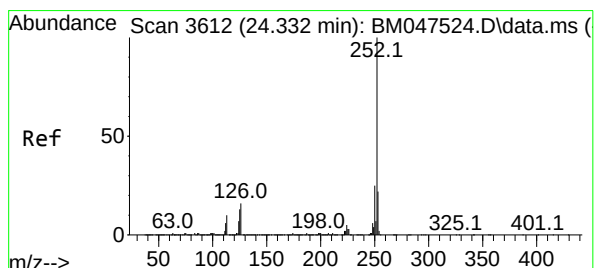
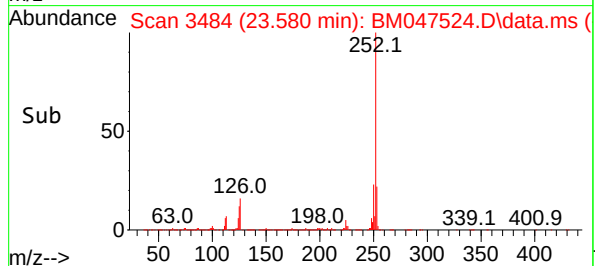
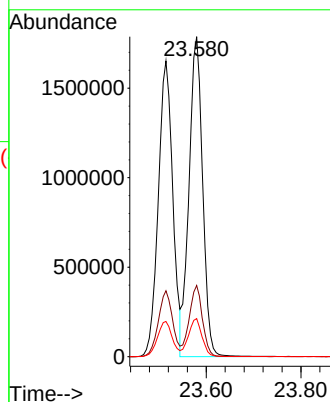
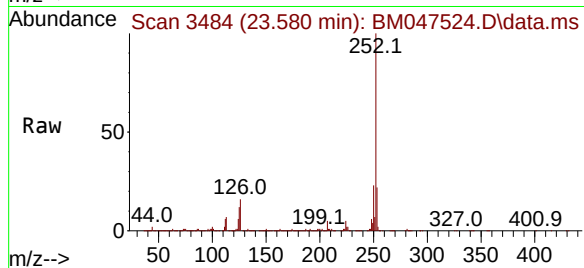
125 11.9 9.5 14.3

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

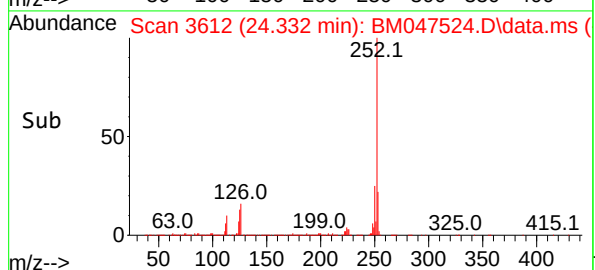
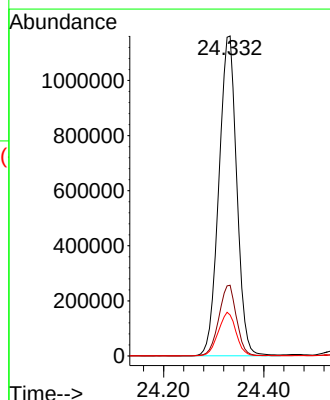
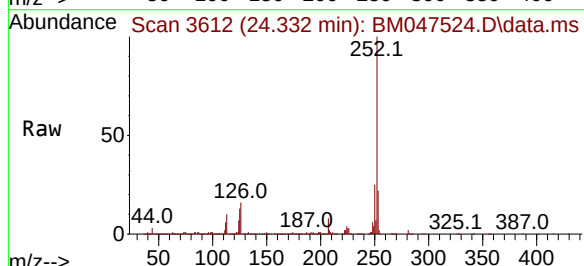
Tgt Ion:252 Resp: 2875521

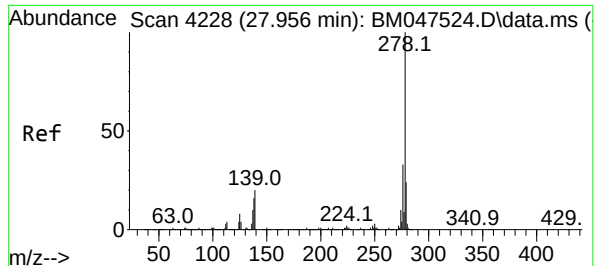
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

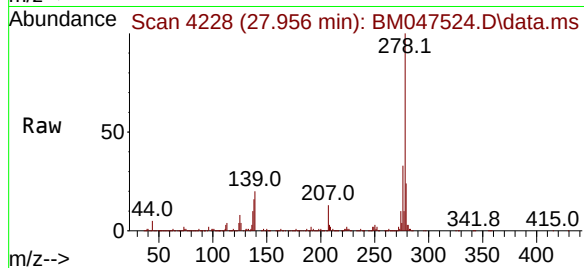
125 12.8 10.2 15.4





#91
Dibenzo(a,h)anthracene
Concen: 39.472 ng
RT: 27.956 min Scan# 4228
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

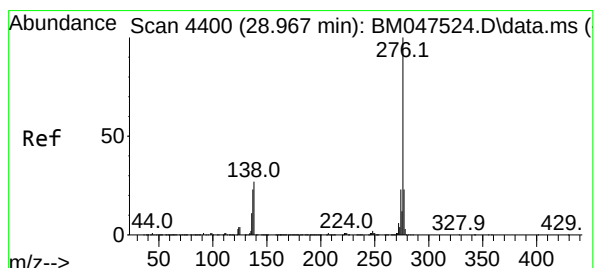
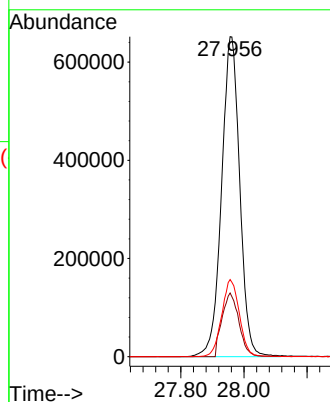
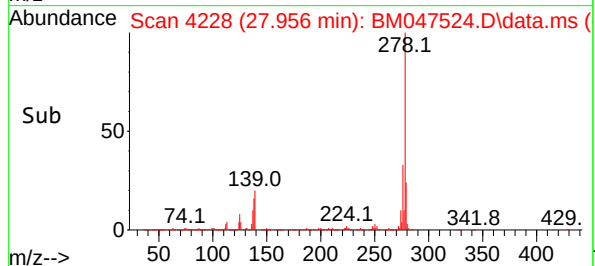
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040



Tgt Ion:278 Resp: 2601274
Ion Ratio Lower Upper
278 100
139 19.9 15.9 23.9
279 24.1 19.3 28.9

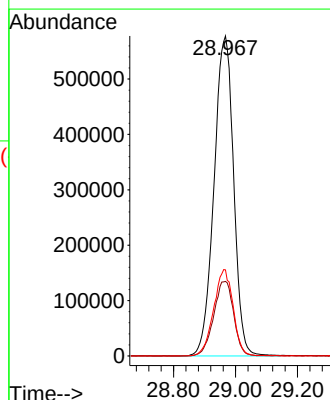
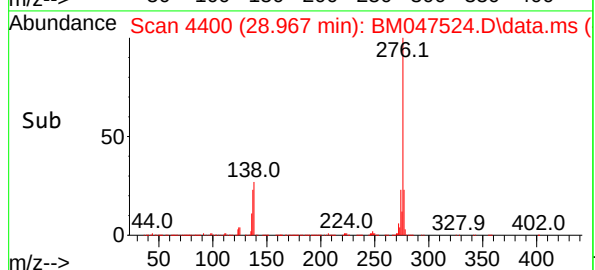
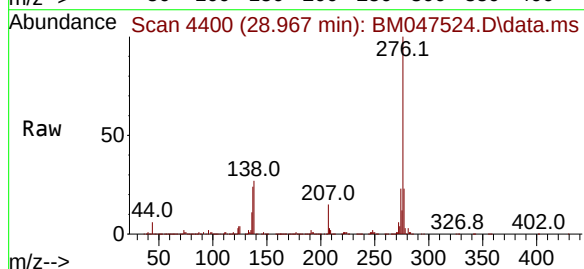
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 39.380 ng
RT: 28.967 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:276 Resp: 2535092
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 26.9 21.5 32.3



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

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)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	390671	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1724946	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	1013275	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1927087	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1661575	20.000	ng	0.00
86) Perylene-d12	24.468	264	1297327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2431799	99.110	ng	0.00
7) Phenol-d6	7.010	99	3533803	102.269	ng	0.00
23) Nitrobenzene-d5	9.010	82	3449817	100.090	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	1070883	109.339	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	7716038	104.898	ng	0.00
79) Terphenyl-d14	19.833	244	10292194	110.997	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	494117	47.017	ng	100
3) Pyridine	3.716	79	1522515m	48.683	ng	
4) n-Nitrosodimethylamine	3.628	42	700604	49.361	ng	99
6) Aniline	7.175	93	1526818	49.840	ng	98
8) 2-Chlorophenol	7.416	128	1343373	49.665	ng	99
9) Benzaldehyde	6.987	77	752916	45.825	ng	99
10) Phenol	7.040	94	1744000	50.407	ng	98
11) bis(2-Chloroethyl)ether	7.275	93	1364338	49.118	ng	99
12) 1,3-Dichlorobenzene	7.739	146	1432823	48.396	ng	98
13) 1,4-Dichlorobenzene	7.887	146	1471785	48.807	ng	100
14) 1,2-Dichlorobenzene	8.204	146	1454714	49.019	ng	99
15) Benzyl Alcohol	8.087	79	1201740	51.344	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.386	45	1903817	48.725	ng	99
17) 2-Methylphenol	8.287	107	1127230	51.000	ng	99
18) Hexachloroethane	8.939	117	589028	48.897	ng	99
19) n-Nitroso-di-n-propyla...	8.663	70	1203853	51.673	ng	98
20) 3+4-Methylphenols	8.616	107	1564378	50.725	ng	99
22) Acetophenone	8.669	105	2260781	49.852	ng	# 99
24) Nitrobenzene	9.045	77	1753123	49.499	ng	99
25) Isophorone	9.575	82	3063274	50.553	ng	100
26) 2-Nitrophenol	9.757	139	653650	54.160	ng	99
27) 2,4-Dimethylphenol	9.822	122	916681	50.105	ng	99
28) bis(2-Chloroethoxy)met...	10.057	93	1881906	49.443	ng	99
29) 2,4-Dichlorophenol	10.292	162	1205992	51.885	ng	99
30) 1,2,4-Trichlorobenzene	10.510	180	1316098	49.431	ng	99
31) Naphthalene	10.698	128	4651117	49.926	ng	100
32) Benzoic acid	9.969	122	890510	49.165	ng	100
33) 4-Chloroaniline	10.804	127	1696889	50.379	ng	99
34) Hexachlorobutadiene	10.992	225	727359	49.322	ng	99
35) Caprolactam	11.586	113	403073	52.645	ng	96
36) 4-Chloro-3-methylphenol	11.922	107	1377067	51.697	ng	100
37) 2-Methylnaphthalene	12.310	142	3135943	50.577	ng	99
38) 1-Methylnaphthalene	12.527	142	3140091	50.961	ng	100
40) 1,2,4,5-Tetrachloroben...	12.674	216	1404023	51.207	ng	99
41) Hexachlorocyclopentadiene	12.663	237	459860	51.304	ng	97
43) 2,4,6-Trichlorophenol	12.910	196	906659	52.782	ng	99

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

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

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

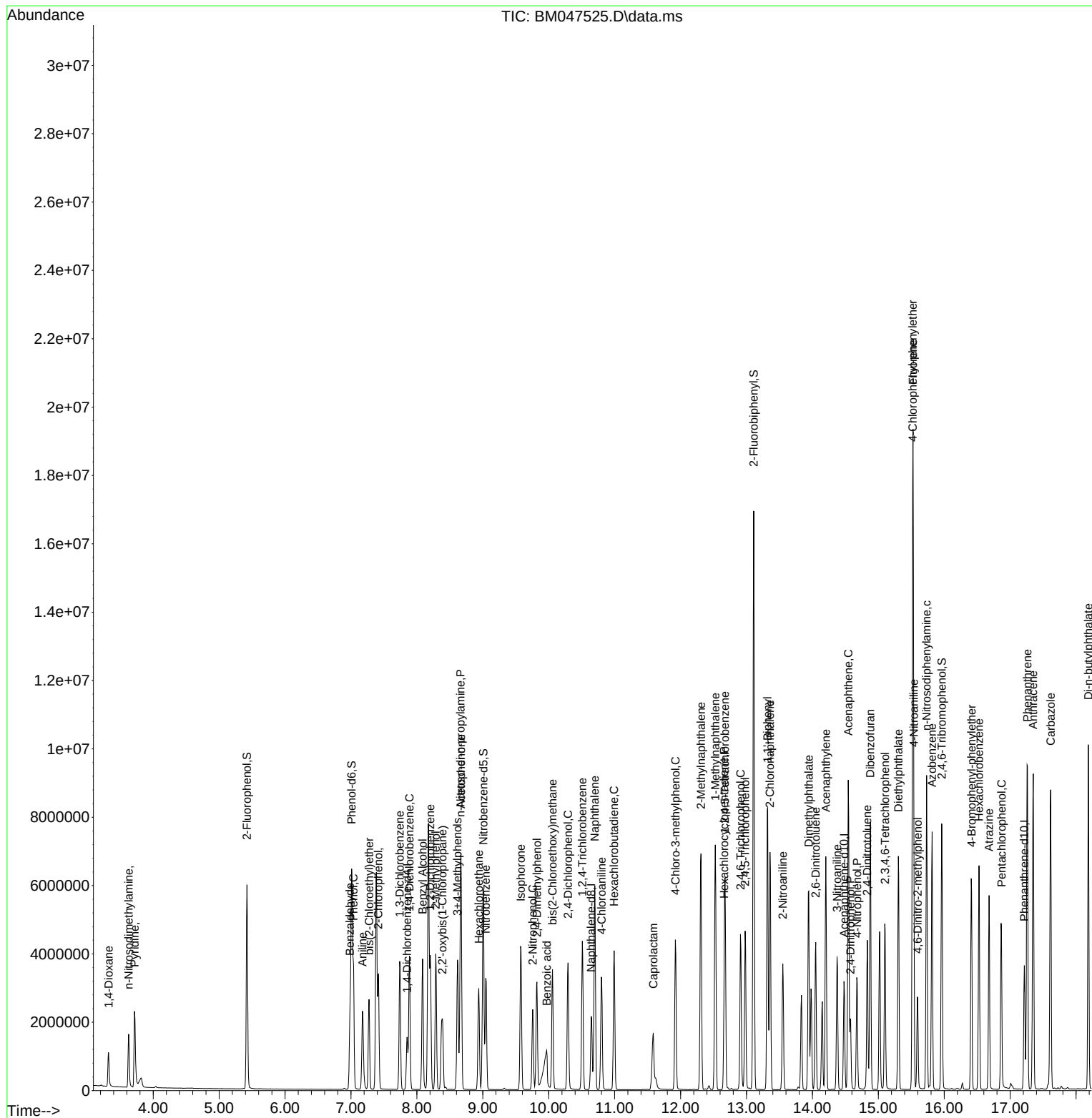
Quant Time: Sep 15 08:49:11 2024

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



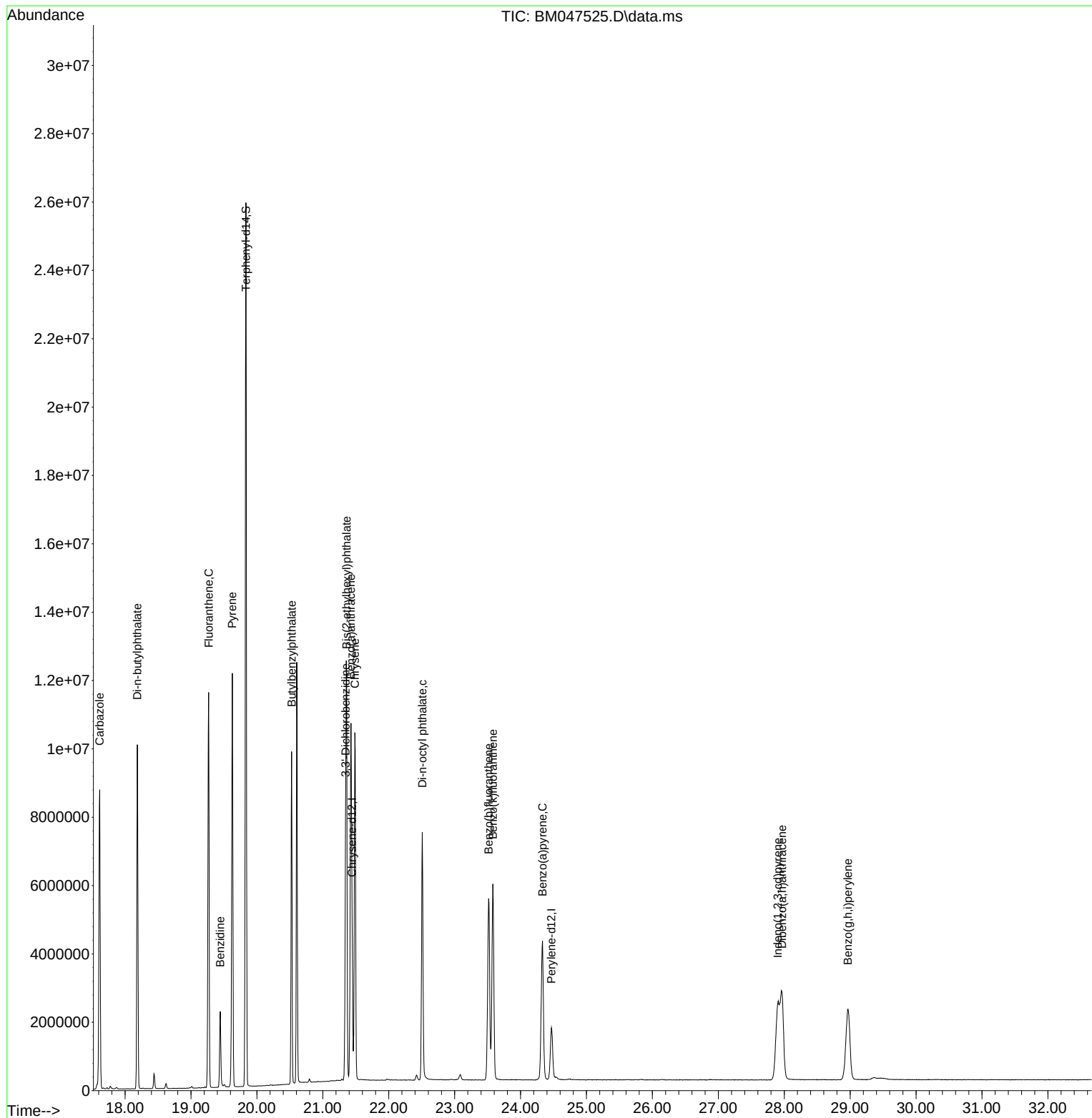
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Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

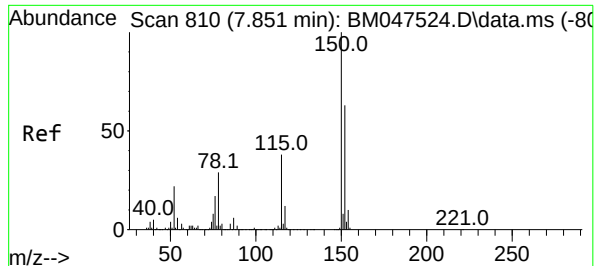
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

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

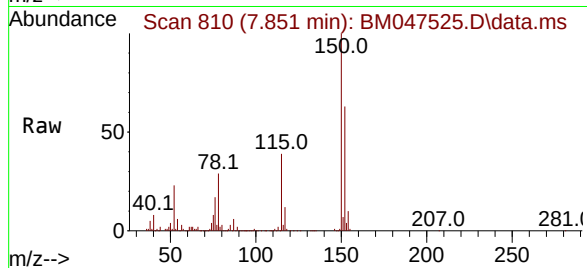
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

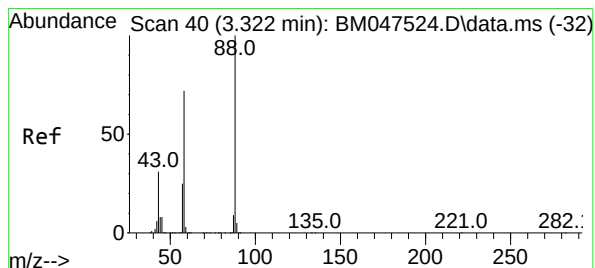
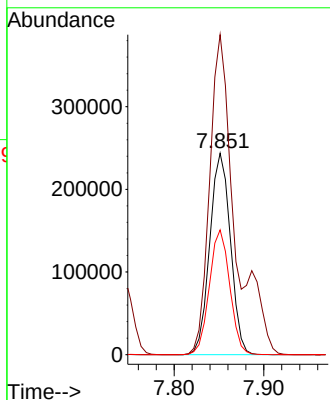
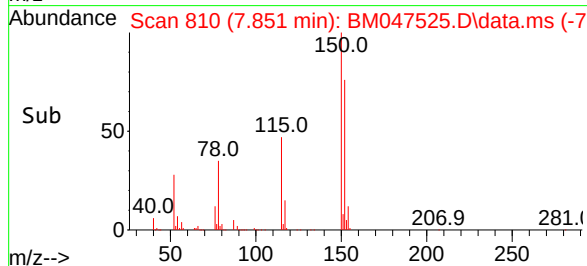
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

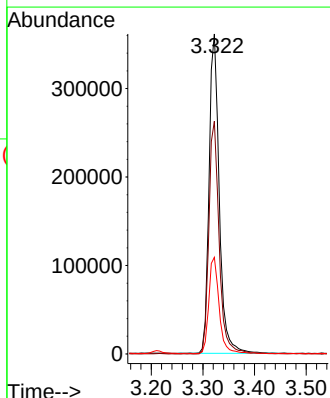
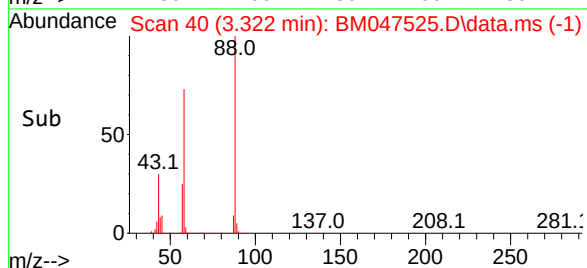
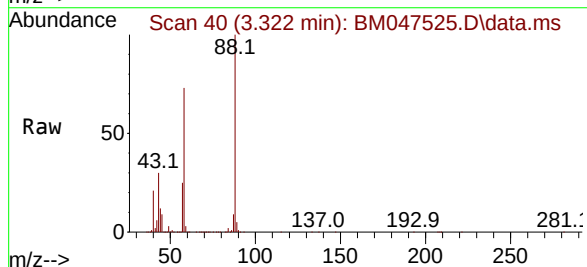
Manual Integrations
APPROVED

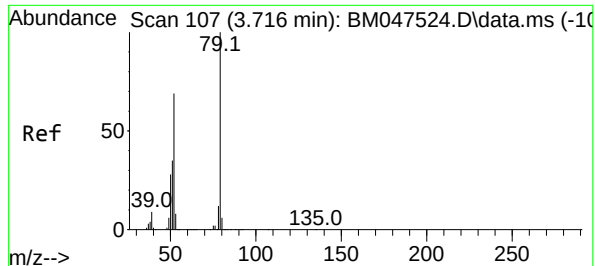
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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/ml

RT: 3.716 min Scan# 107

Delta R.T. 0.000 min

Lab File: BM047525.D

Acq: 14 Sep 2024 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 152251

Ion Ratio Lower Upper

79 100

52 66.4 55.4 83.0

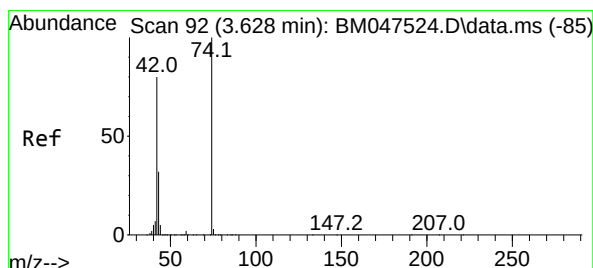
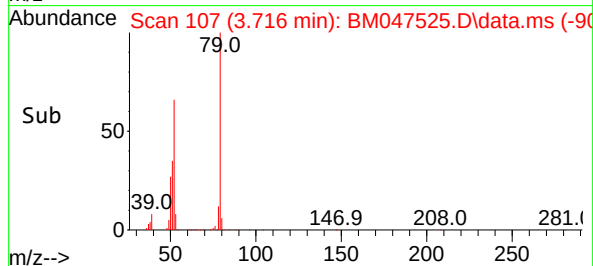
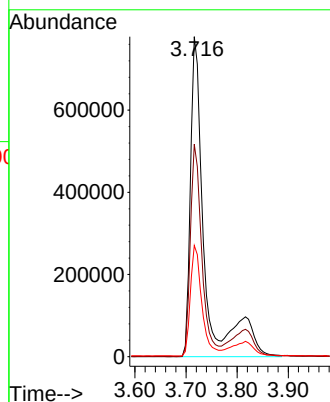
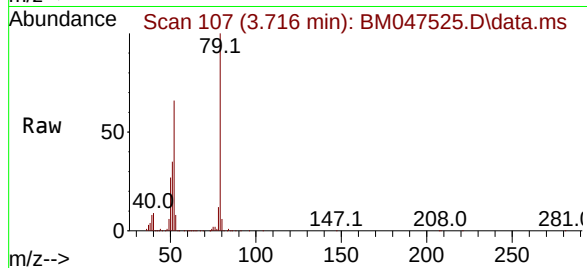
51 34.8 27.9 41.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#4

n-Nitrosodimethylamine

Concen: 49.361 ng/ml

RT: 3.628 min Scan# 92

Delta R.T. 0.000 min

Lab File: BM047525.D

Acq: 14 Sep 2024 15:14

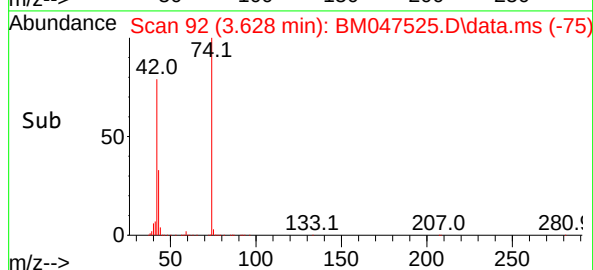
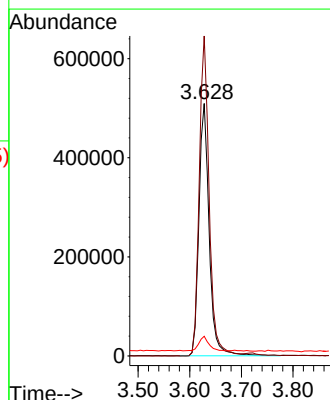
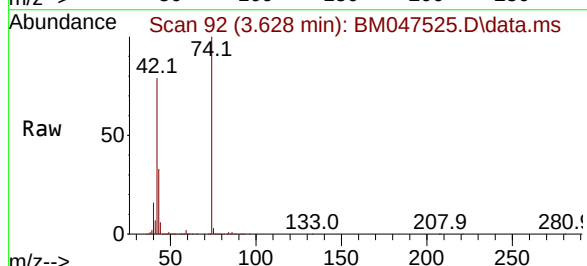
Tgt Ion: 42 Resp: 700604

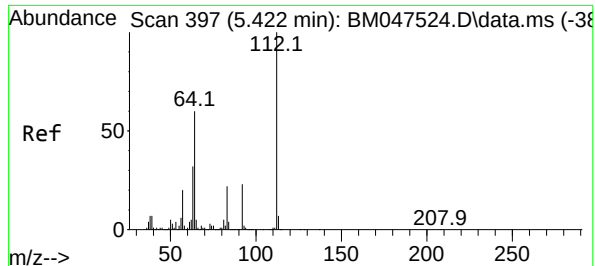
Ion Ratio Lower Upper

42 100

74 126.7 100.5 150.7

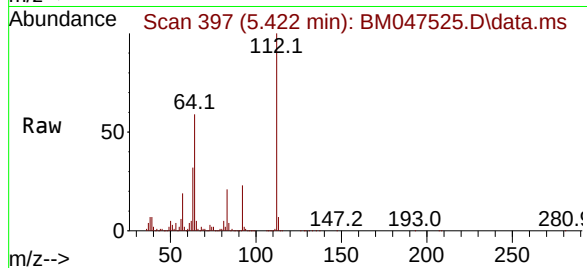
44 7.8 6.9 10.3





#5
2-Fluorophenol
Concen: 99.110 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

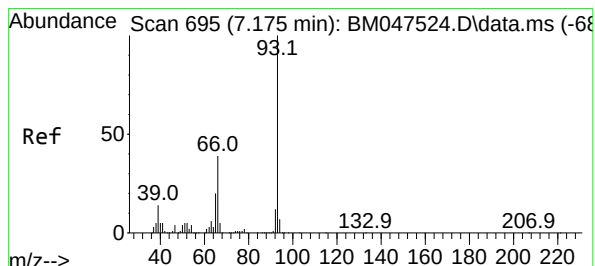
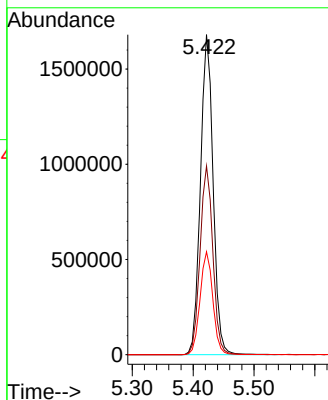
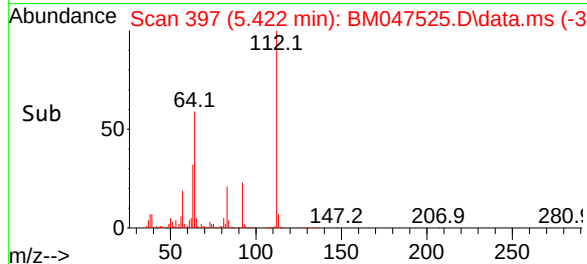
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion: 112 Resp: 2431799
Ion Ratio Lower Upper
112 100
64 58.9 48.2 72.4
63 32.1 26.0 39.0

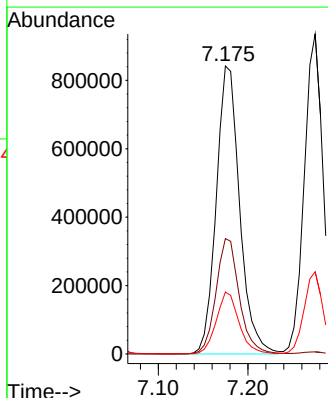
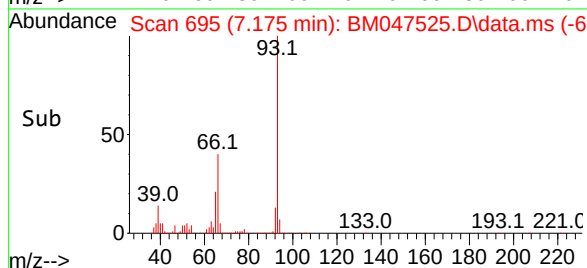
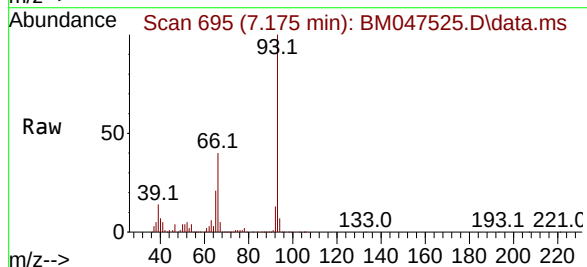
Manual Integrations
APPROVED

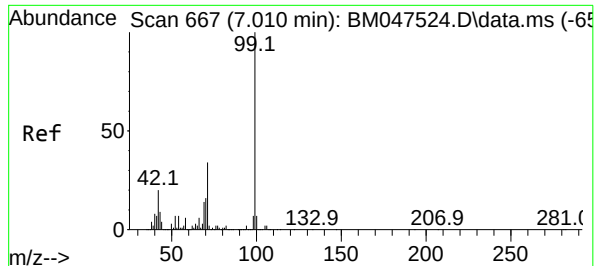
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

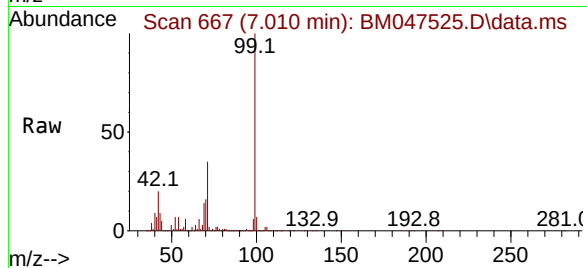
Tgt Ion: 93 Resp: 1526818
Ion Ratio Lower Upper
93 100
66 40.0 31.4 47.0
65 21.5 16.3 24.5





#7
Phenol-d6
Concen: 102.269 ng
RT: 7.010 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

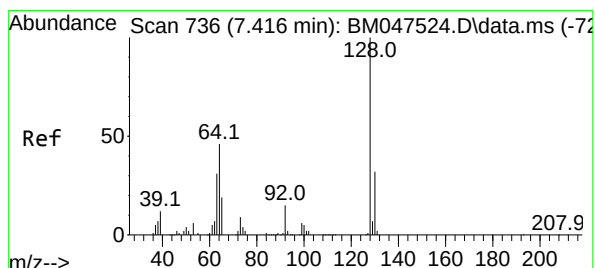
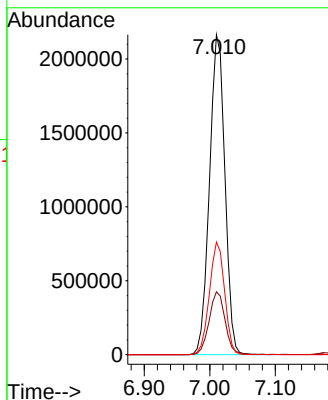
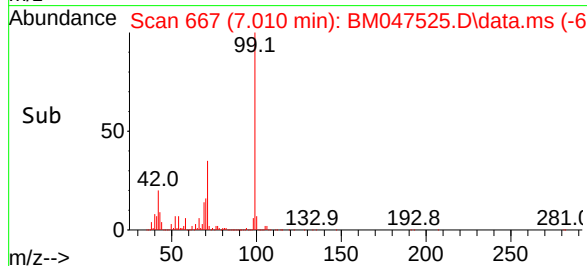
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

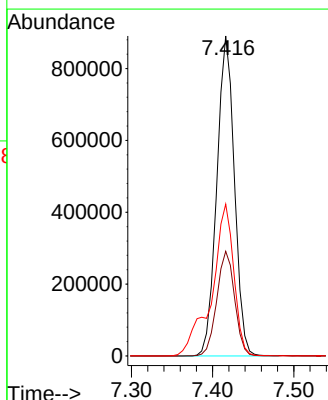
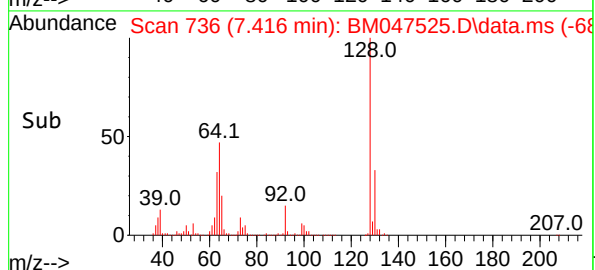
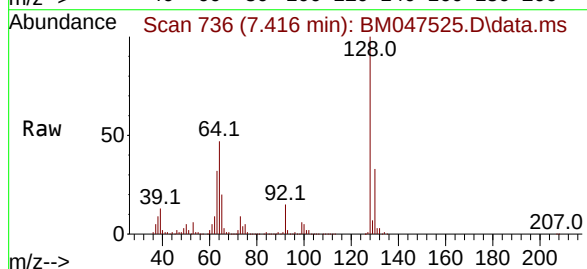
Manual Integrations
APPROVED

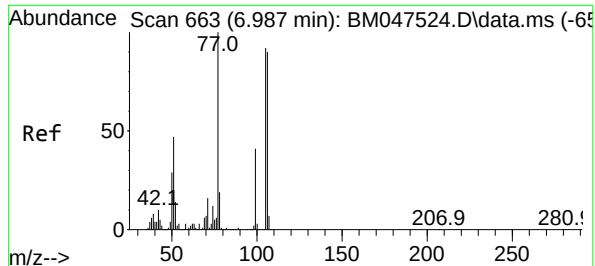
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

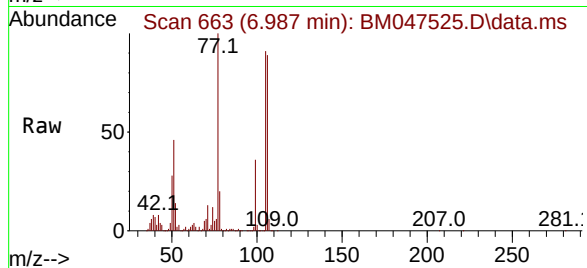
Tgt Ion:128 Resp: 1343373
Ion Ratio Lower Upper
128 100
130 32.7 11.8 51.8
64 47.4 27.6 67.6





#9
Benzaldehyde
Concen: 45.825 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

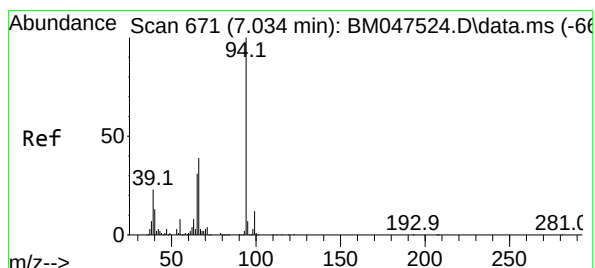
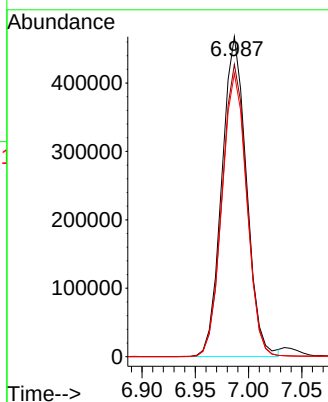
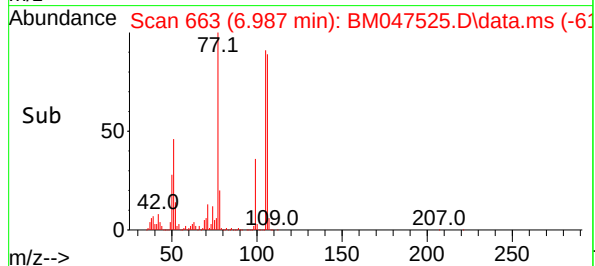
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 752910
Ion Ratio Lower Upper
77 100
105 91.3 71.8 111.8
106 88.5 69.7 109.7

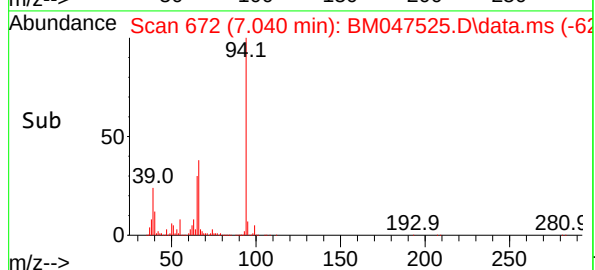
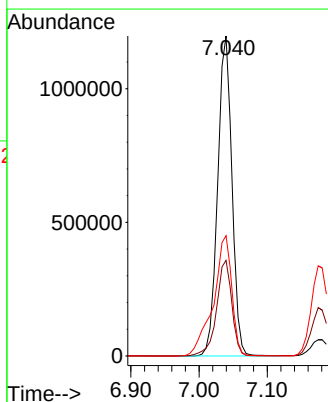
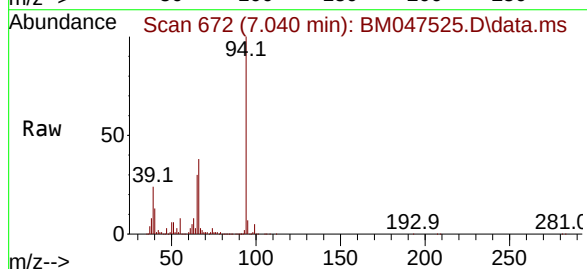
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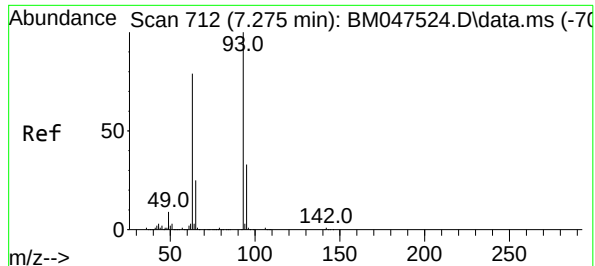
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





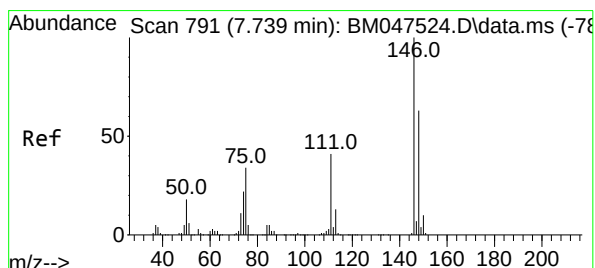
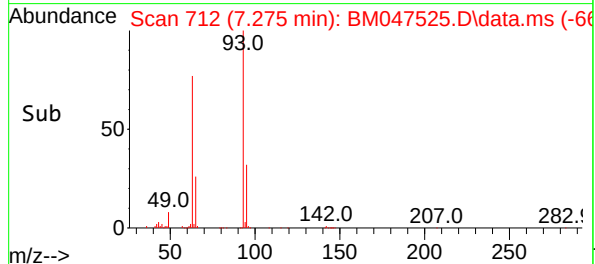
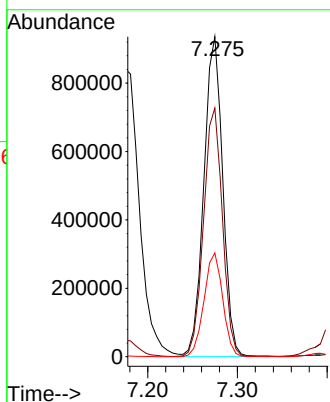
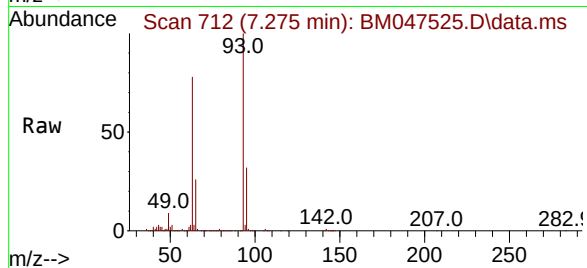
#11
bis(2-Chloroethyl)ether
Concen: 49.118 ng
RT: 7.275 min Scan# 712
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1364338
Ion Ratio Lower Upper
93 100
63 77.7 58.2 98.2
95 32.4 12.8 52.8

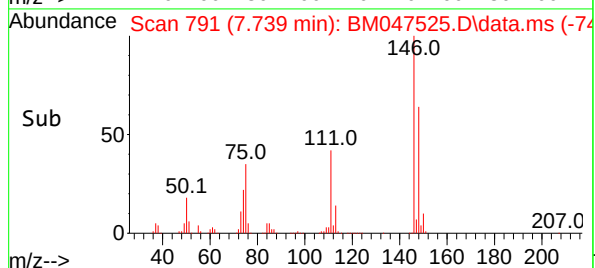
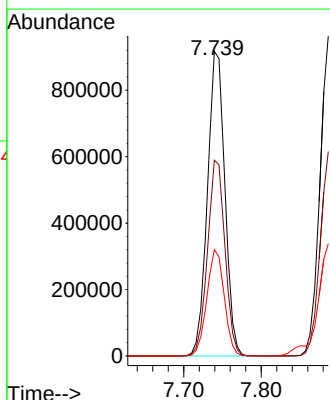
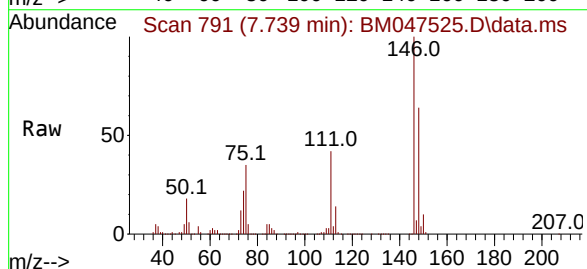
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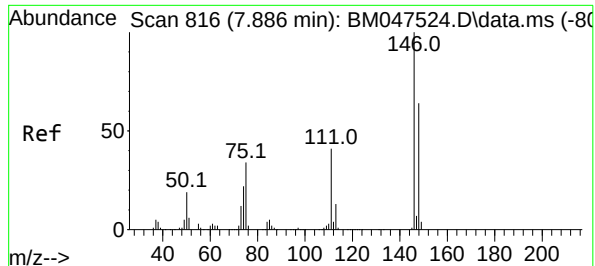
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 816

Delta R.T. 0.000 min

Lab File: BM047525.D

Acq: 14 Sep 2024 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 147178

Ion Ratio Lower Upper

146 100

148 63.9 51.3 76.9

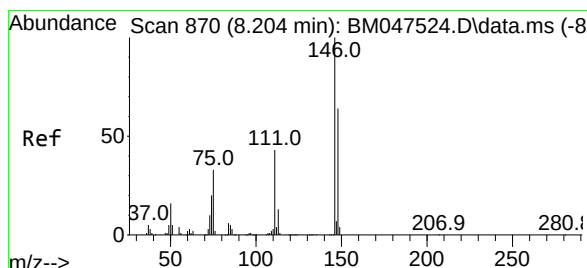
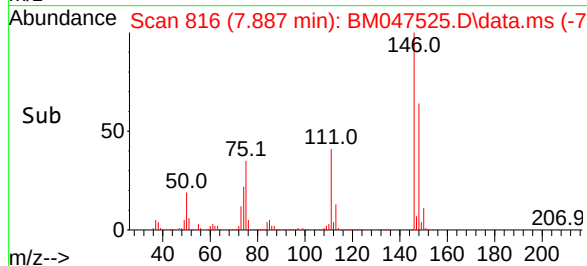
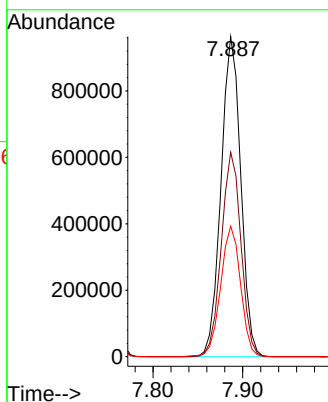
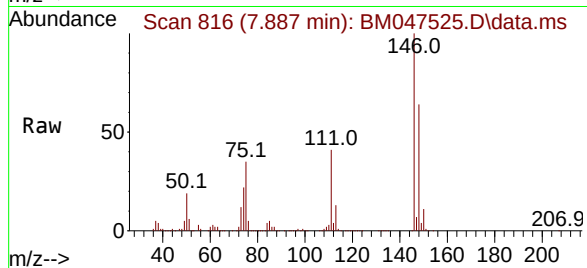
111 40.8 32.9 49.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

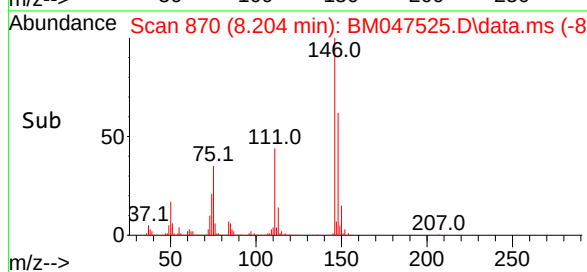
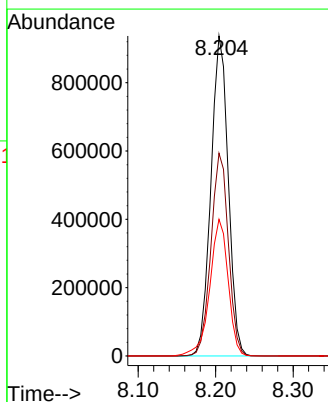
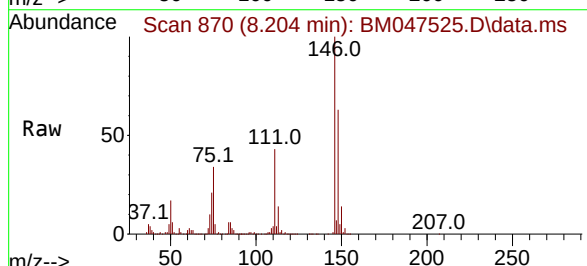
Tgt Ion:146 Resp: 1454714

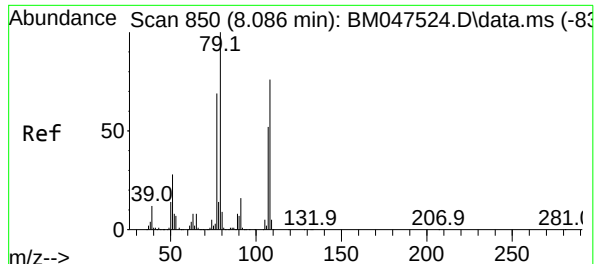
Ion Ratio Lower Upper

146 100

148 63.4 51.1 76.7

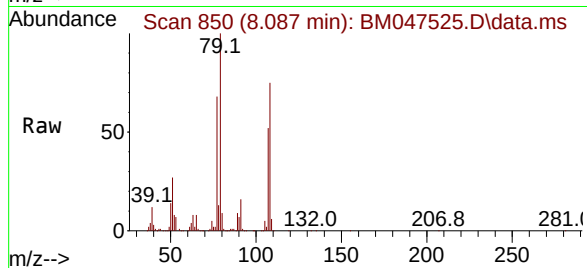
111 42.7 34.7 52.1





#15
Benzyl Alcohol
Concen: 51.344 ng
RT: 8.087 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

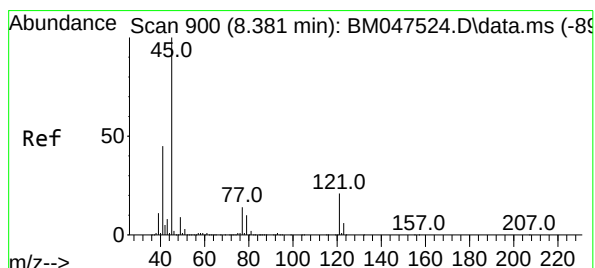
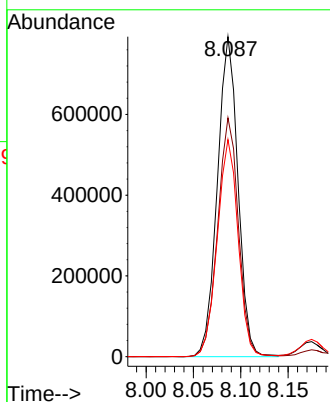
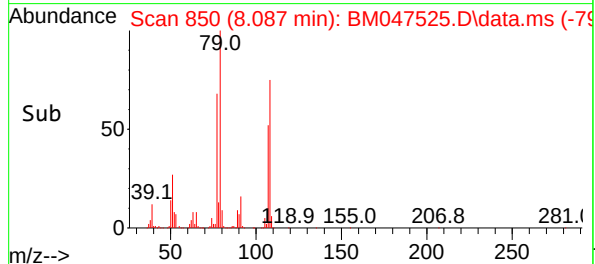
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 1201740
Ion Ratio Lower Upper
79 100
108 74.7 60.6 91.0
77 67.8 55.0 82.4

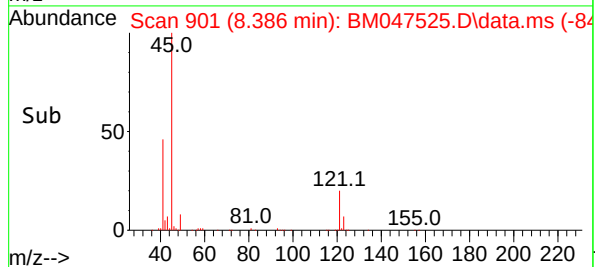
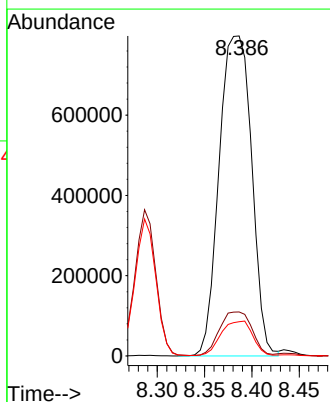
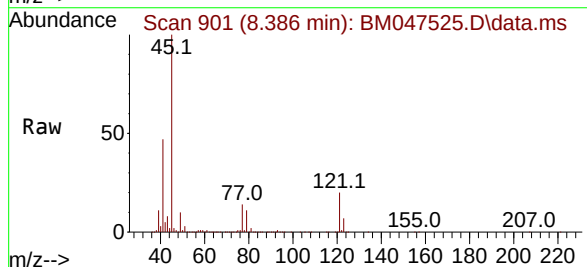
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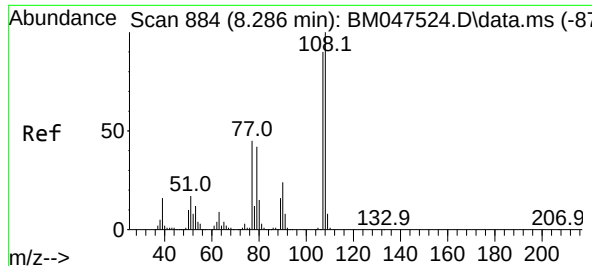
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

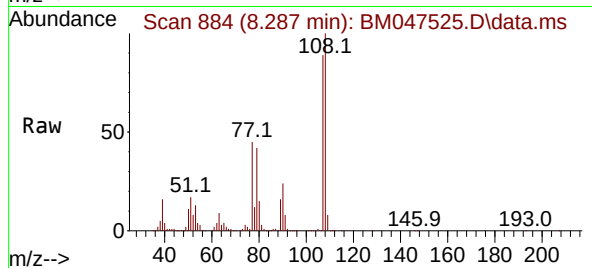
Tgt Ion: 45 Resp: 1903817
Ion Ratio Lower Upper
45 100
77 13.8 0.0 33.7
79 10.7 0.0 30.3





#17
2-Methylphenol
Concen: 51.000 ng
RT: 8.287 min Scan# 884
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

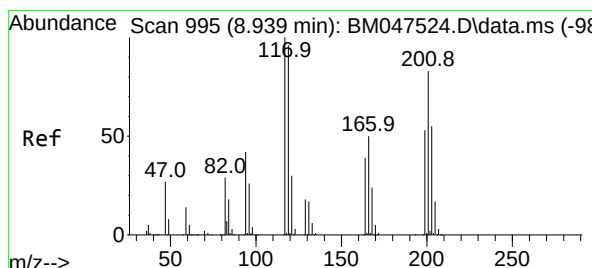
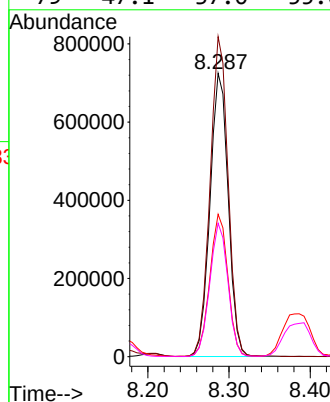
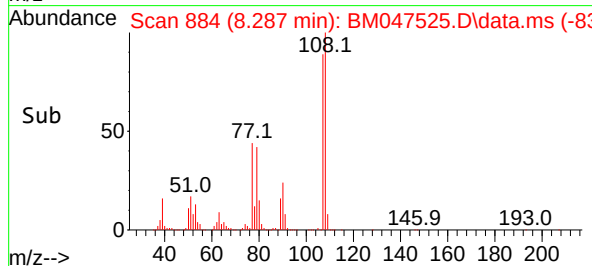
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 1127230
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

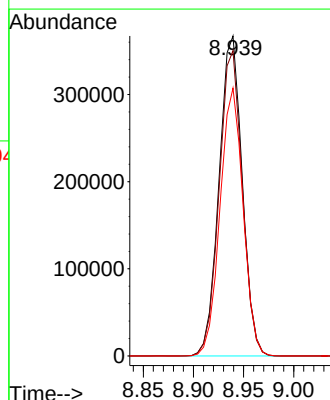
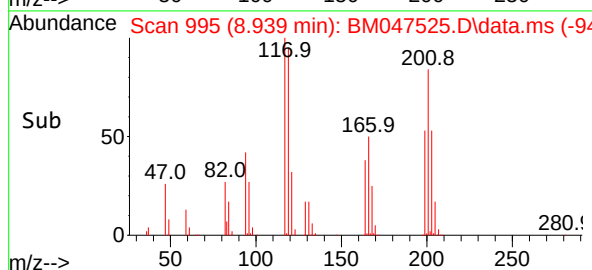
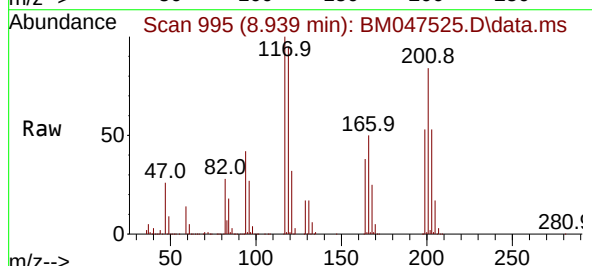
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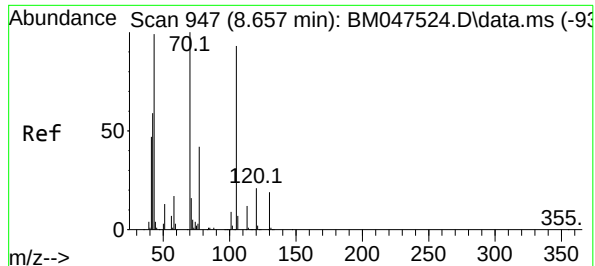
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 947

Delta R.T. 0.006 min

Lab File: BM047525.D

Acq: 14 Sep 2024 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

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

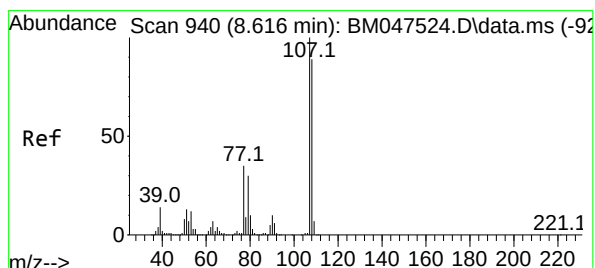
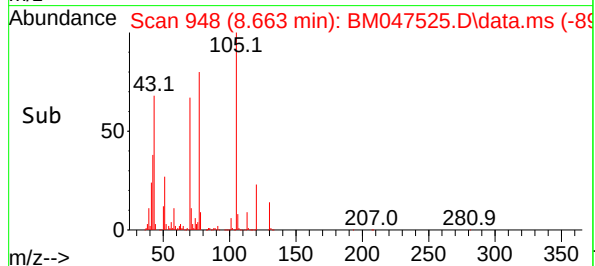
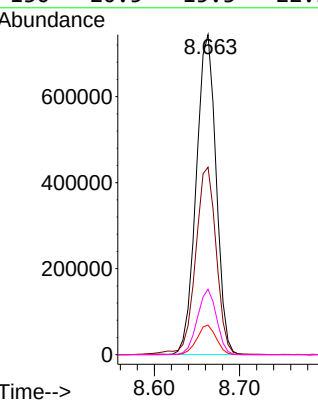
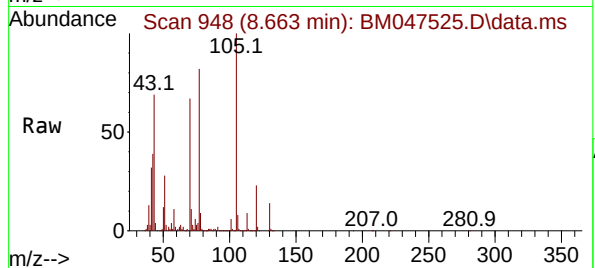
130 20.5 15.3 22.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

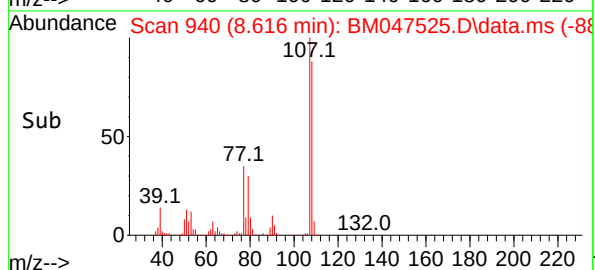
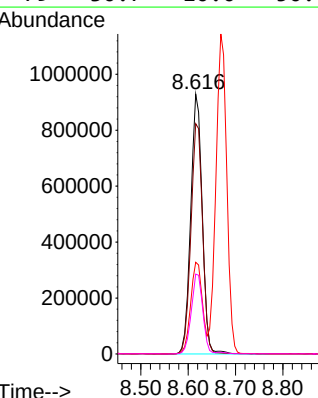
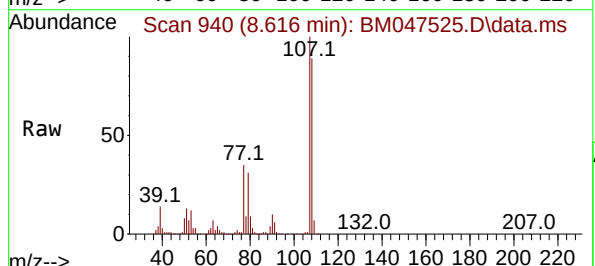
Ion Ratio Lower Upper

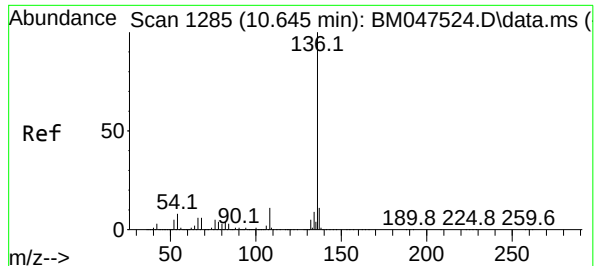
107 100

108 88.6 68.9 108.9

77 35.3 15.5 55.5

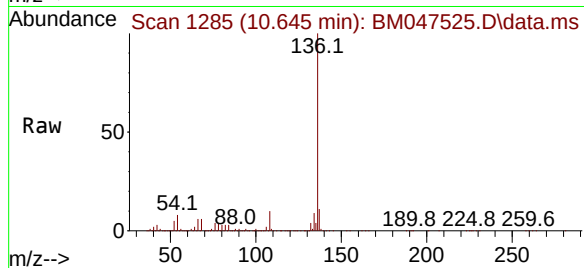
79 30.7 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

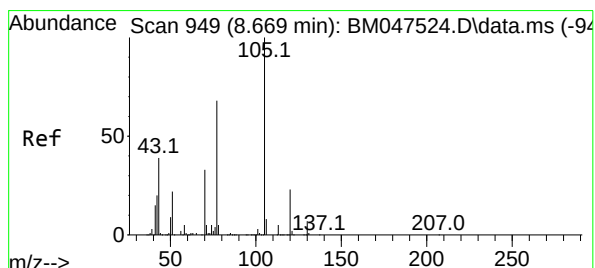
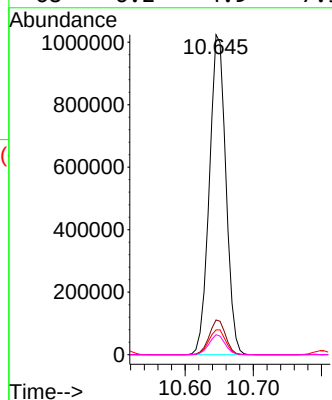
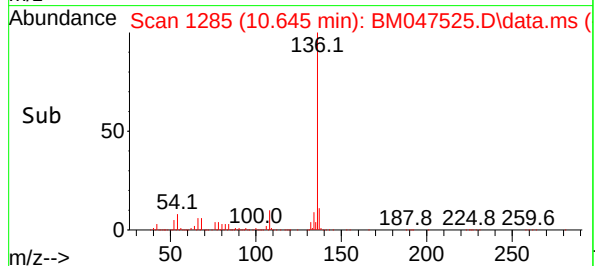
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 1724940
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

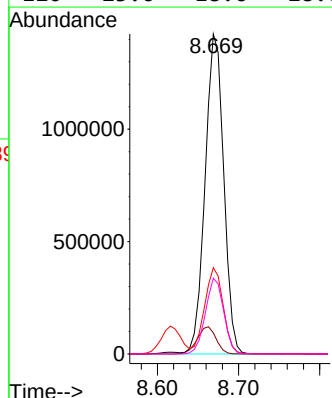
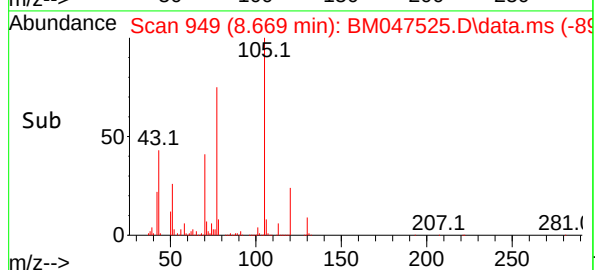
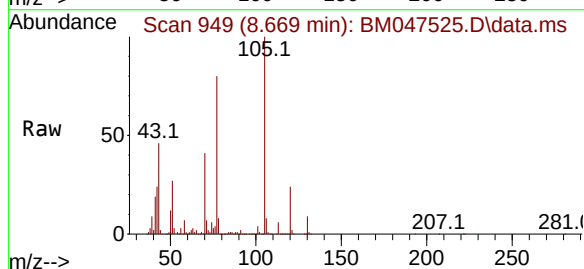
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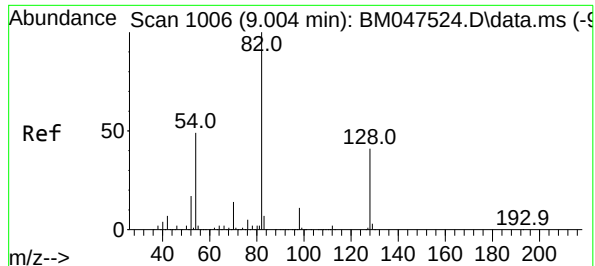
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

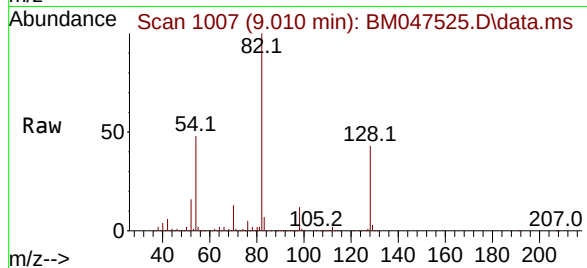
Tgt Ion:105 Resp: 2260781
Ion Ratio Lower Upper
105 100
71 6.6 4.3 6.5#
51 27.0 21.5 32.3
120 23.6 18.6 28.0





#23
Nitrobenzene-d5
Concen: 100.090 ng
RT: 9.010 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

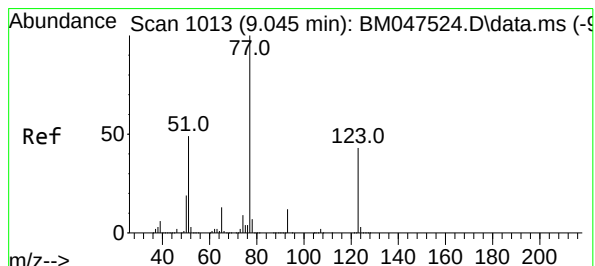
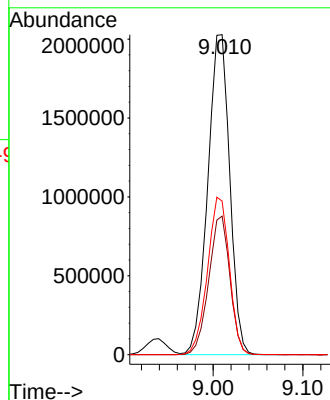
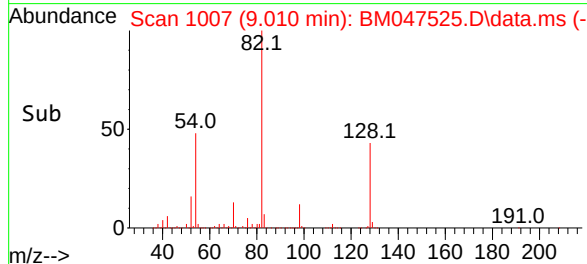
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

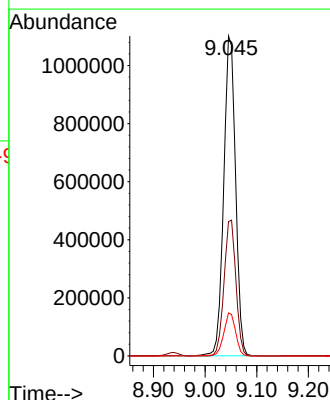
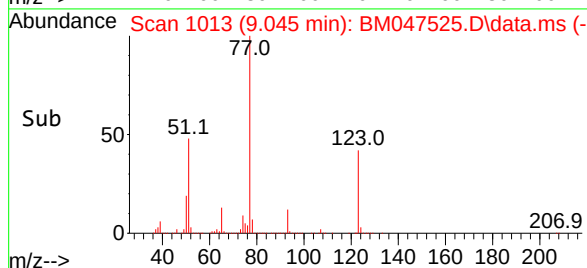
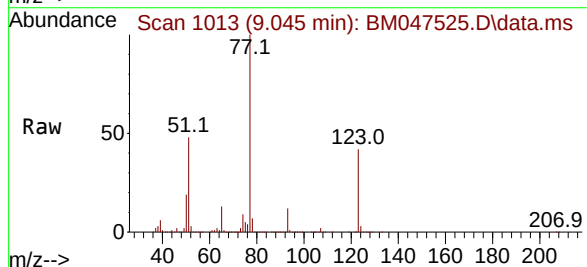
Manual Integrations
APPROVED

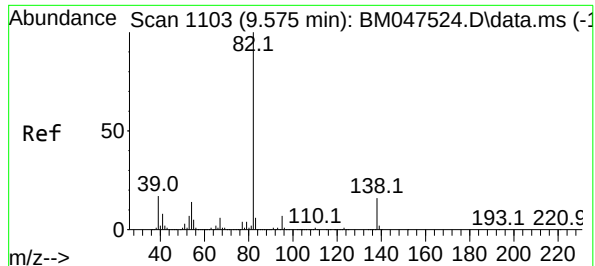
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

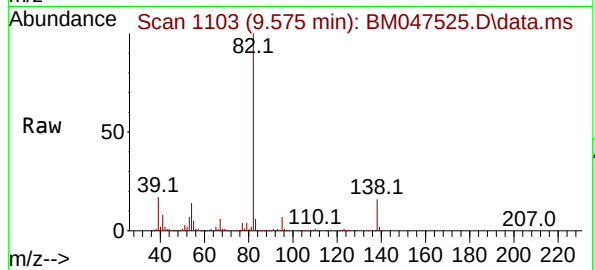
Tgt Ion: 77 Resp: 1753123
Ion Ratio Lower Upper
77 100
123 42.0 34.5 51.7
65 13.4 10.7 16.1





#25
Isophorone
Concen: 50.553 ng
RT: 9.575 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

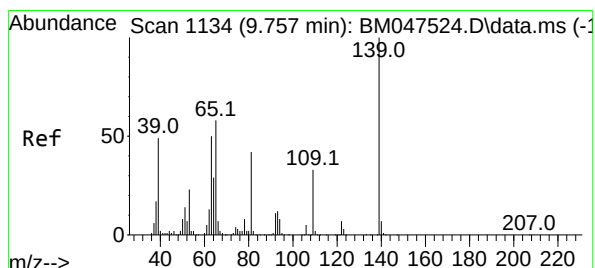
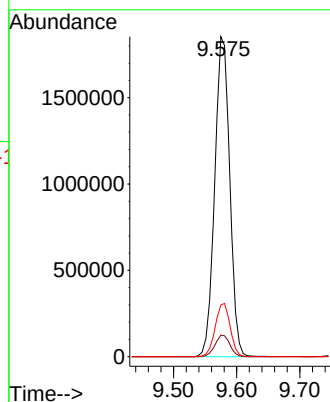
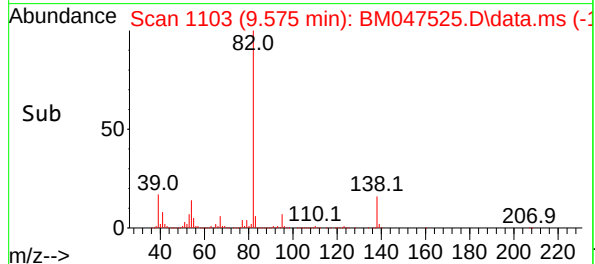
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 3063274
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 16.1 12.9 19.3

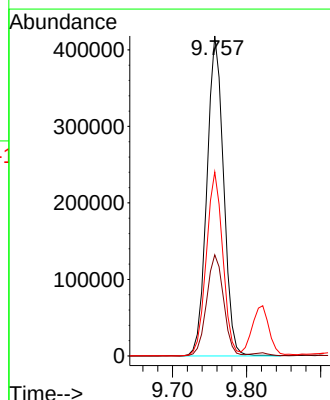
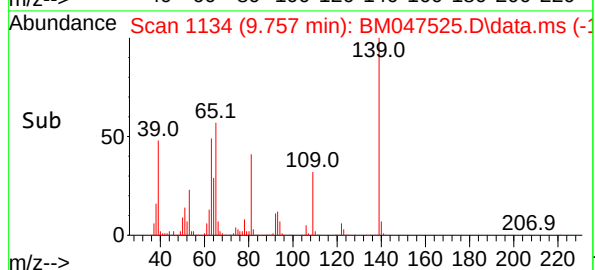
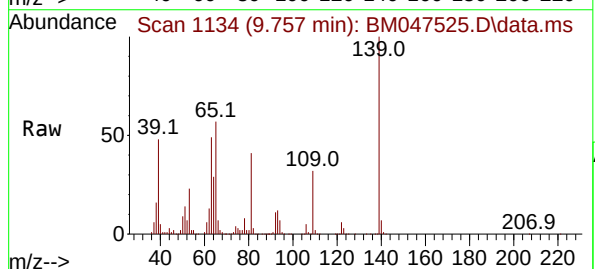
Manual Integrations
APPROVED

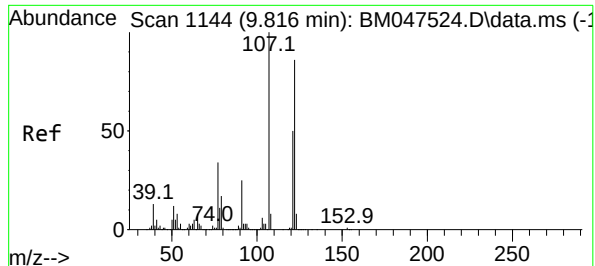
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

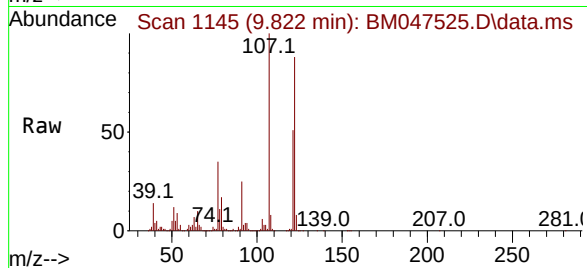
Tgt Ion:139 Resp: 653650
Ion Ratio Lower Upper
139 100
109 31.6 26.0 39.0
65 57.5 46.2 69.4





#27
2,4-Dimethylphenol
Concen: 50.105 ng
RT: 9.822 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

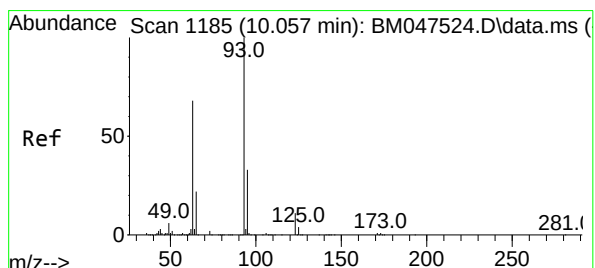
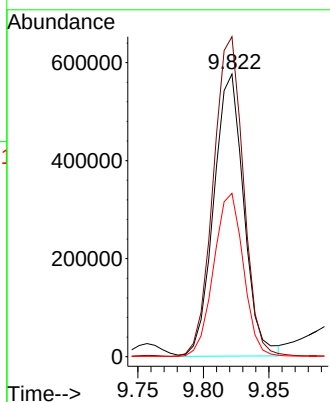
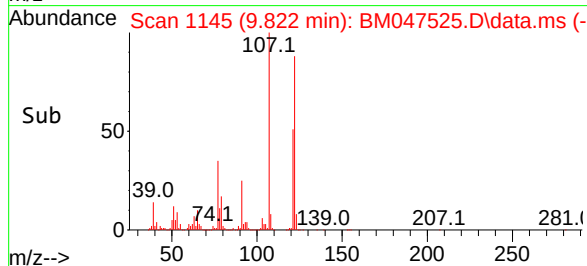
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

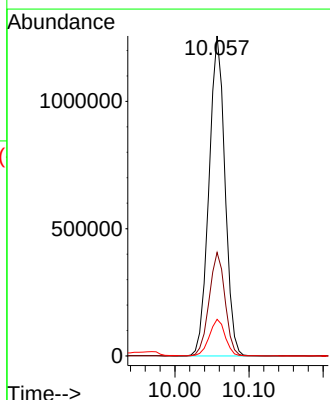
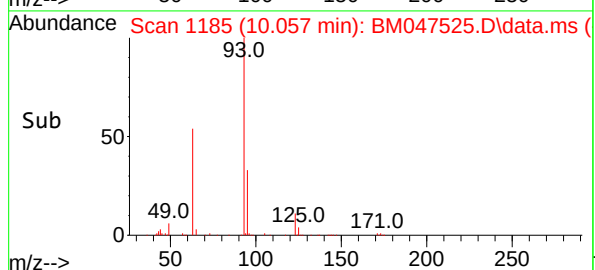
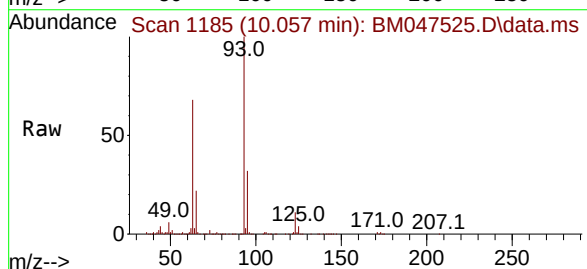
Manual Integrations
APPROVED

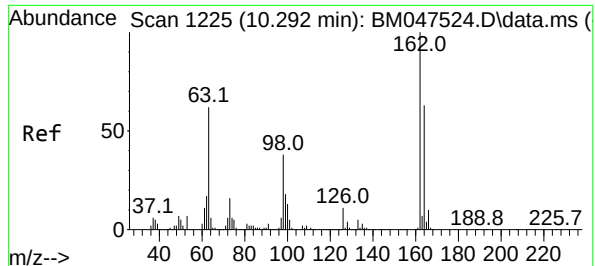
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

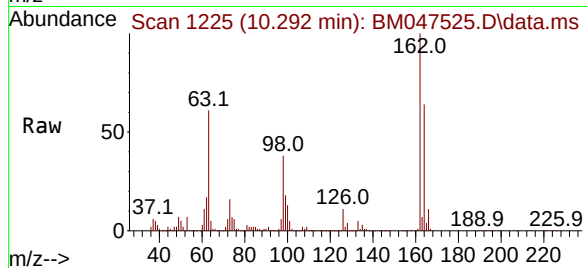
Tgt Ion: 93 Resp: 1881906
Ion Ratio Lower Upper
93 100
95 32.3 26.2 39.2
123 11.4 9.2 13.8





#29
2,4-Dichlorophenol
Concen: 51.885 ng
RT: 10.292 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

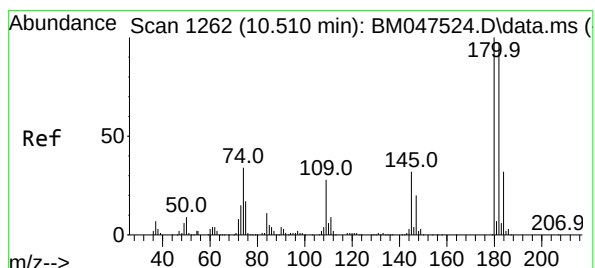
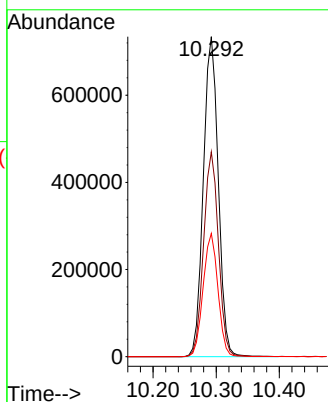
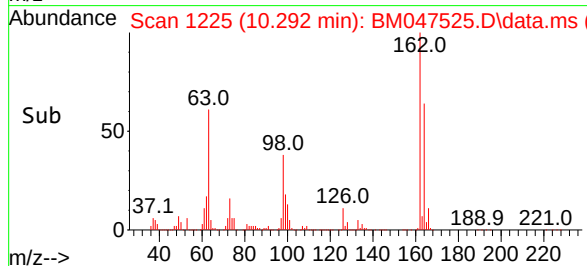
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



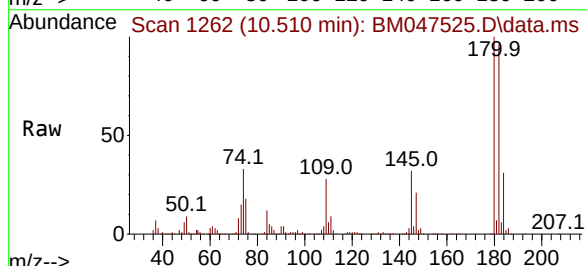
Tgt Ion:162 Resp: 1205992
Ion Ratio Lower Upper
162 100
164 64.0 43.5 83.5
98 38.5 17.6 57.6

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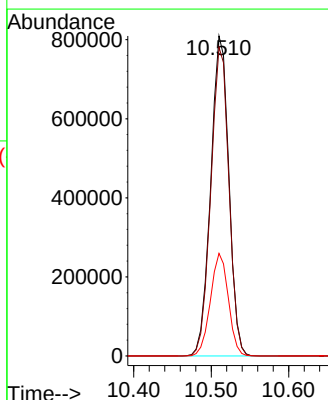
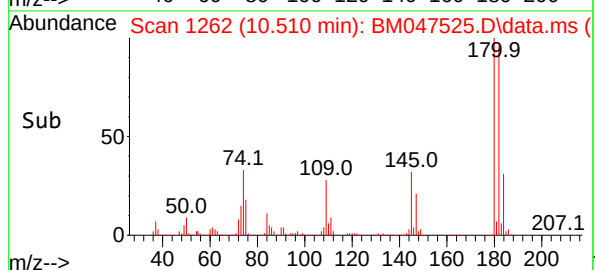
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

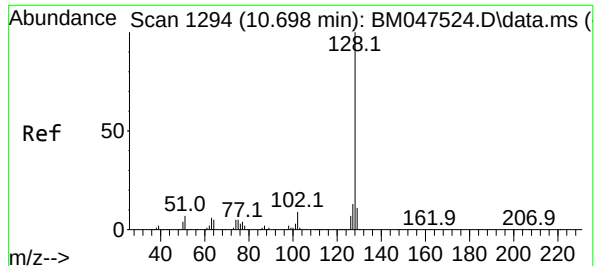


#30
1,2,4-Trichlorobenzene
Concen: 49.431 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



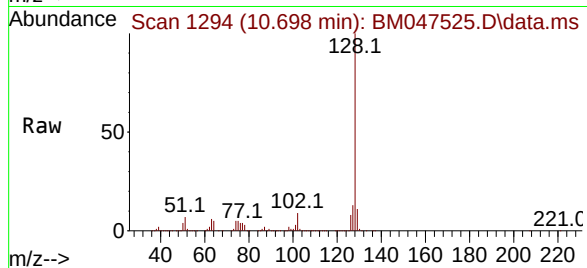
Tgt Ion:180 Resp: 1316098
Ion Ratio Lower Upper
180 100
182 96.5 77.6 116.4
145 32.1 25.4 38.0





#31
Naphthalene
Concen: 49.926 ng
RT: 10.698 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

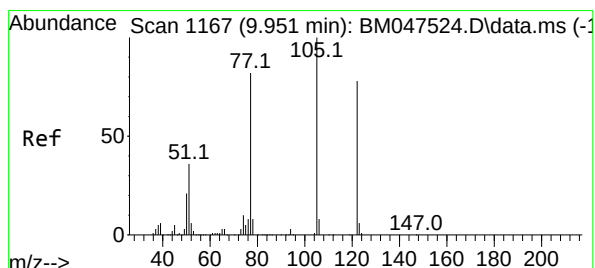
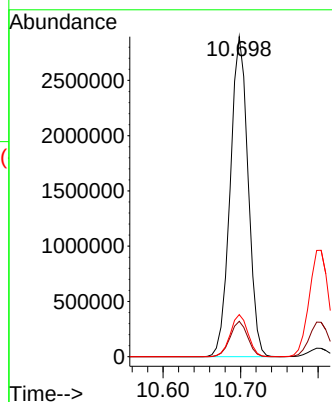
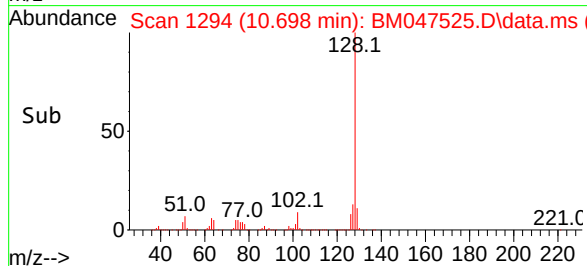
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

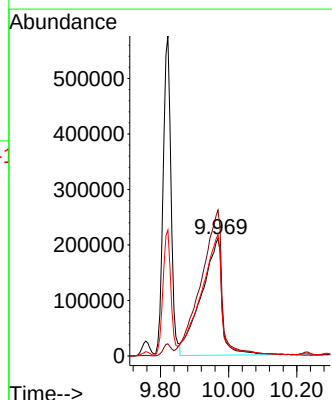
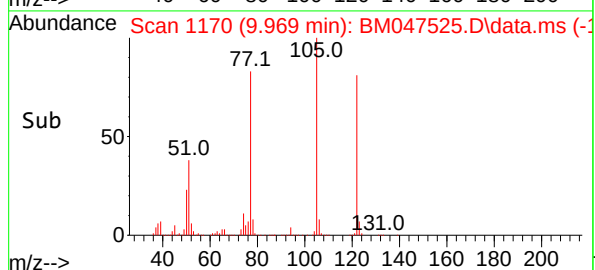
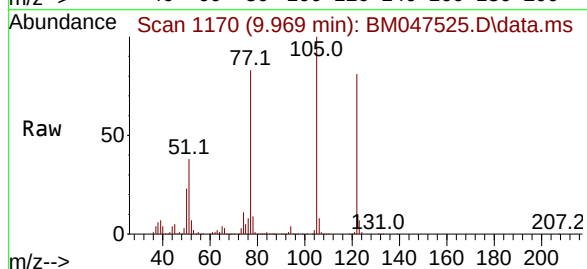
Manual Integrations
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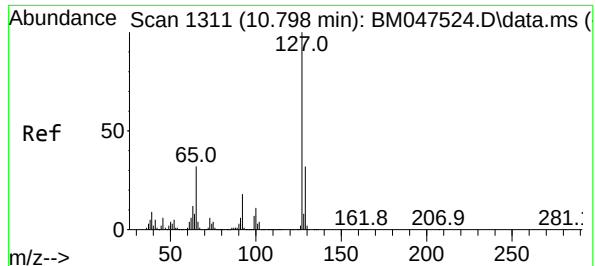
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

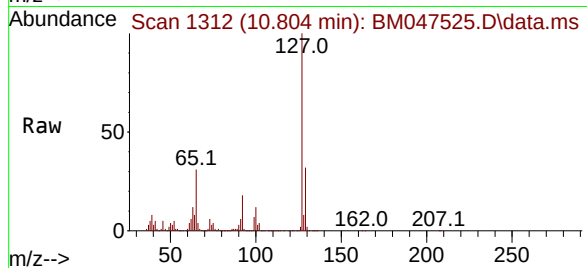
Tgt Ion:122 Resp: 890510
Ion Ratio Lower Upper
122 100
105 124.1 104.7 144.7
77 103.2 83.4 123.4





#33
4-Chloroaniline
Concen: 50.379 ng
RT: 10.804 min Scan# 1312
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

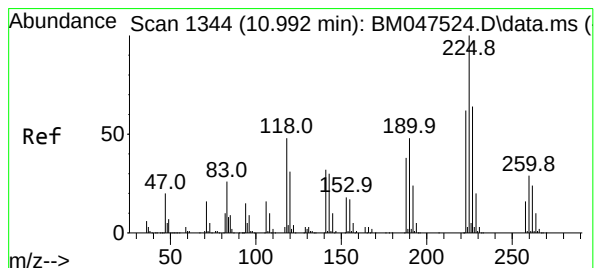
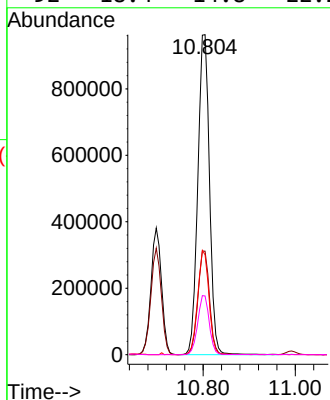
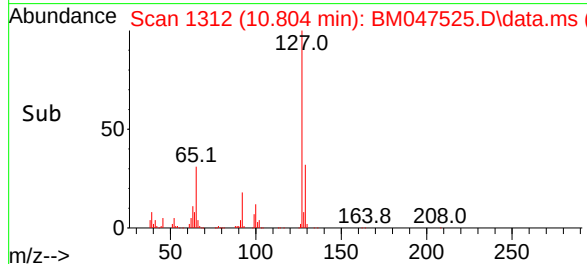
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 1696889
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

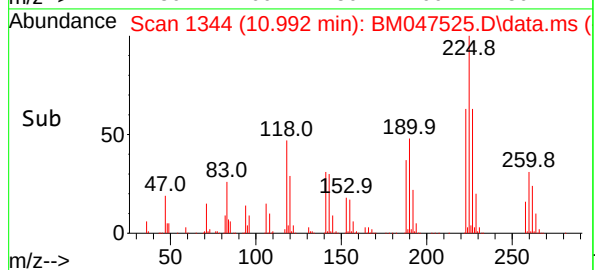
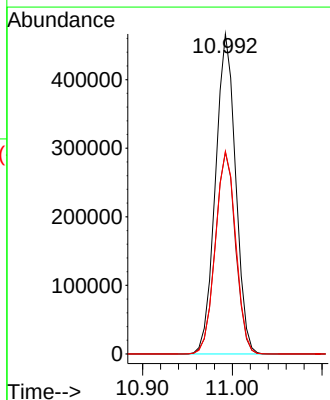
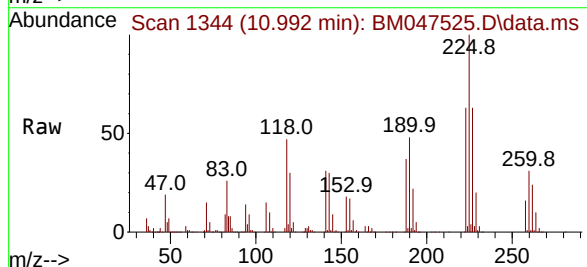
Manual Integrations
APPROVED

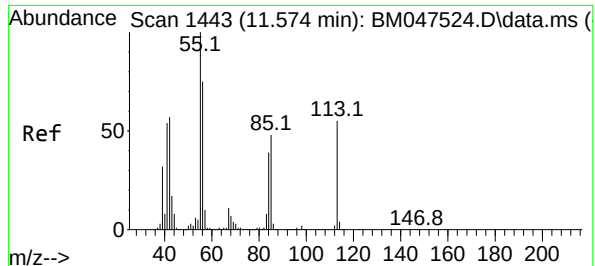
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

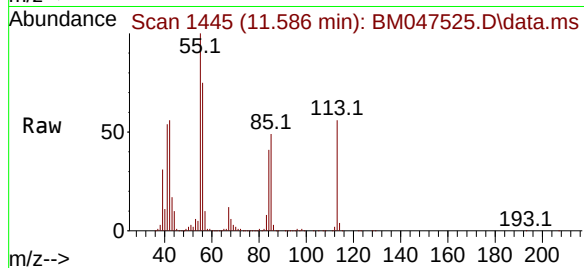
Tgt Ion:225 Resp: 727359
Ion Ratio Lower Upper
225 100
223 63.1 49.8 74.6
227 63.3 51.0 76.4





#35
Caprolactam
Concen: 52.645 ng
RT: 11.586 min Scan# 1443
Delta R.T. 0.012 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

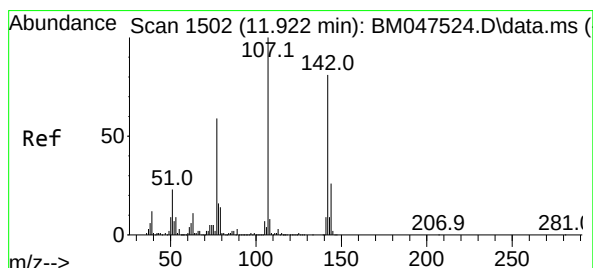
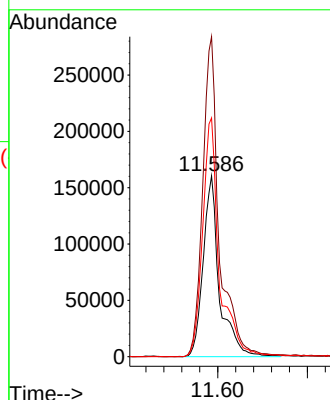
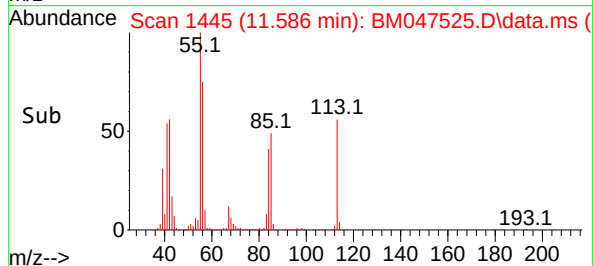
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:113 Resp: 403073
Ion Ratio Lower Upper
113 100
55 177.0 162.5 202.5
56 132.0 116.5 156.5

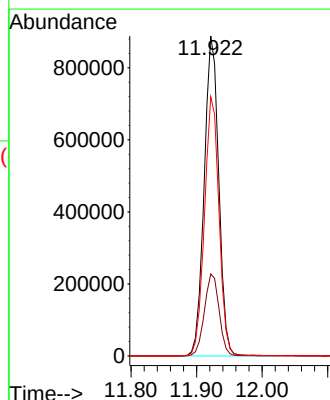
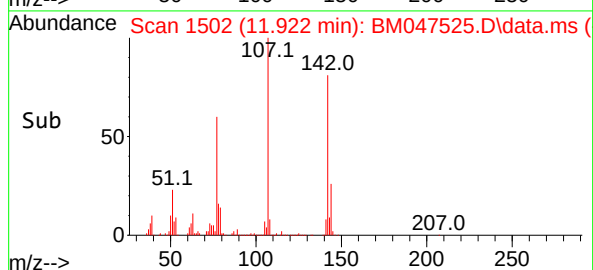
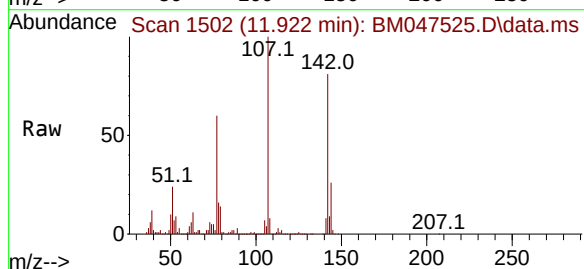
Manual Integrations
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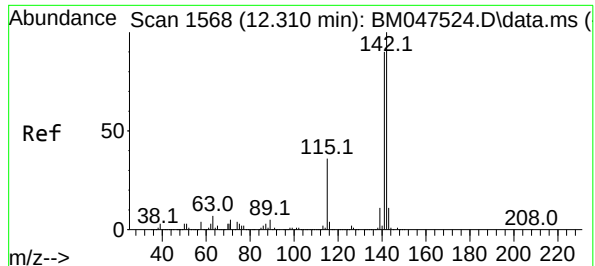
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

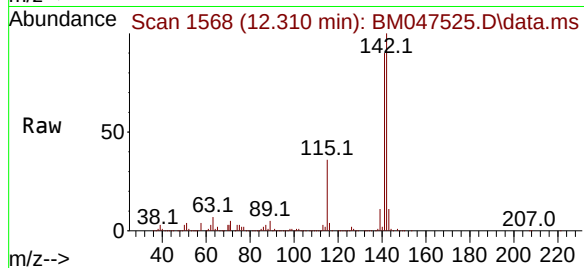
Tgt Ion:107 Resp: 1377067
Ion Ratio Lower Upper
107 100
144 25.7 20.5 30.7
142 81.0 65.0 97.4





#37
2-Methylnaphthalene
Concen: 50.577 ng
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

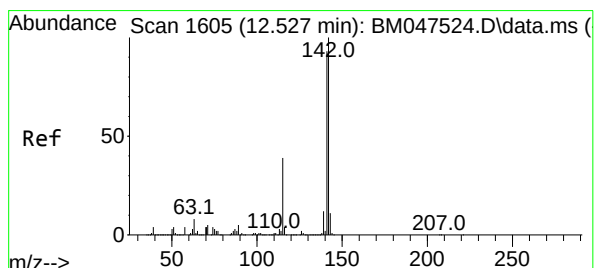
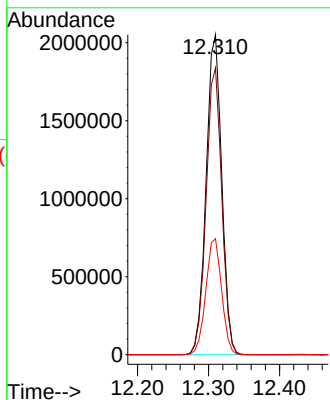
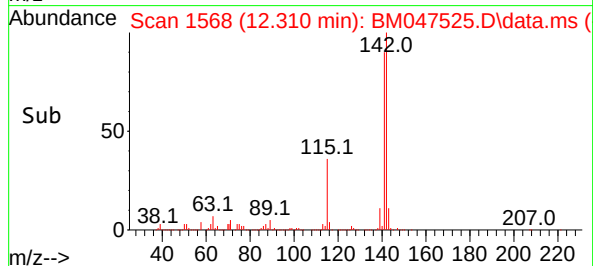
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

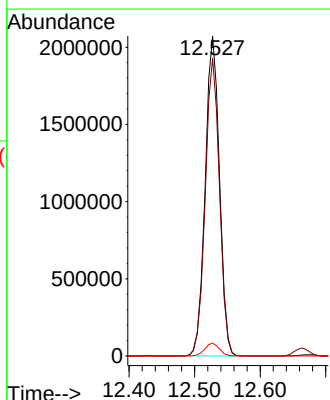
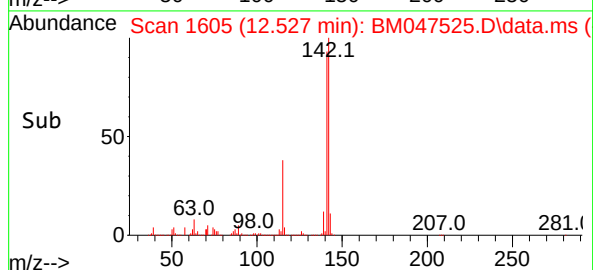
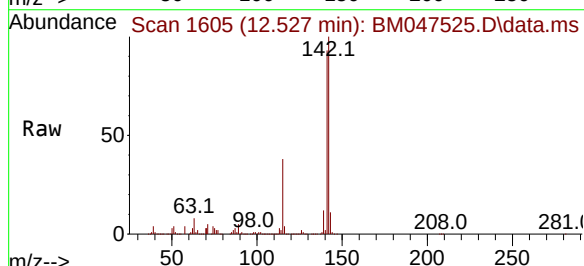
Manual Integrations
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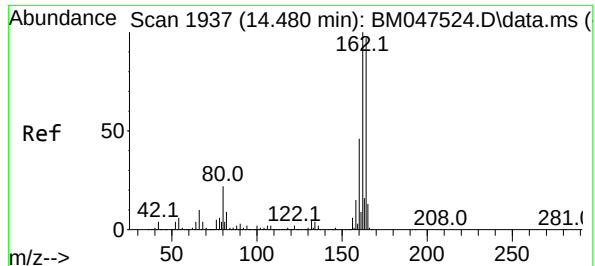
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

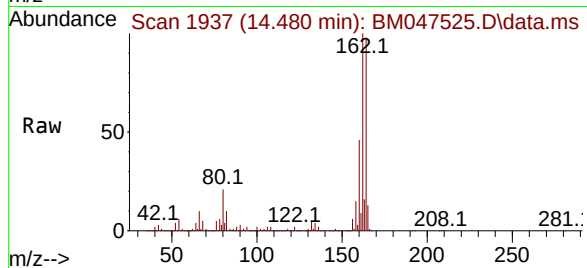
Tgt Ion:142 Resp: 3140091
Ion Ratio Lower Upper
142 100
141 93.0 74.7 112.1
116 4.0 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

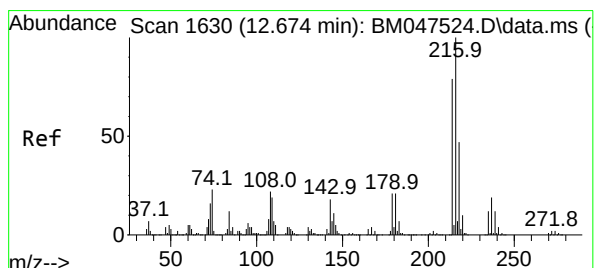
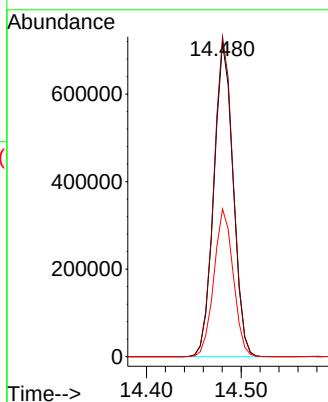
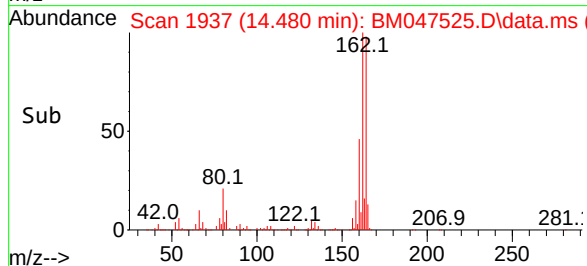
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:164 Resp: 1013279
Ion Ratio Lower Upper
164 100
162 101.9 82.2 123.2
160 47.0 38.2 57.2

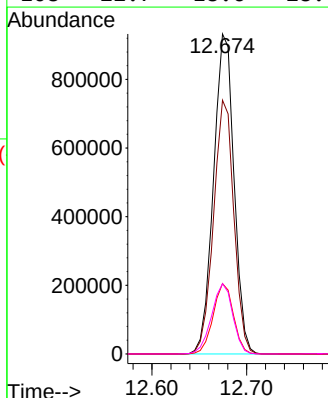
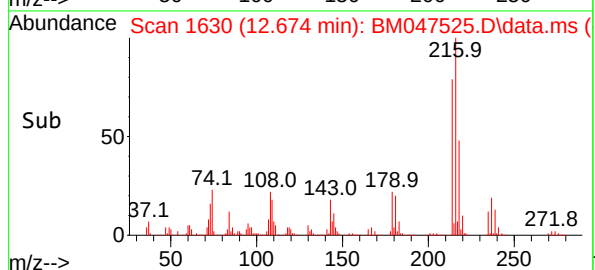
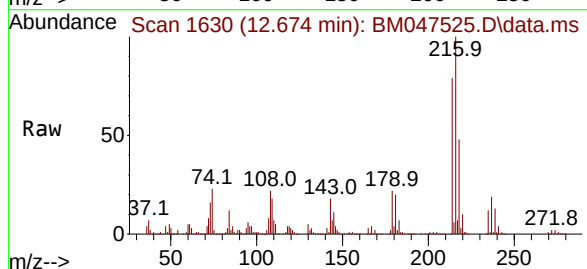
Manual Integrations
APPROVED

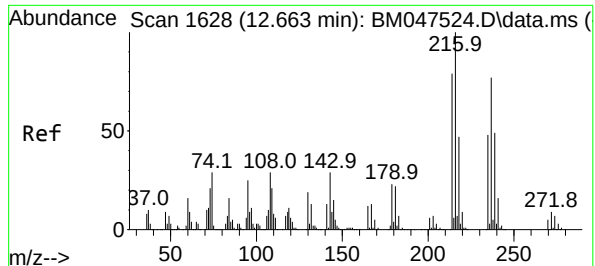
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

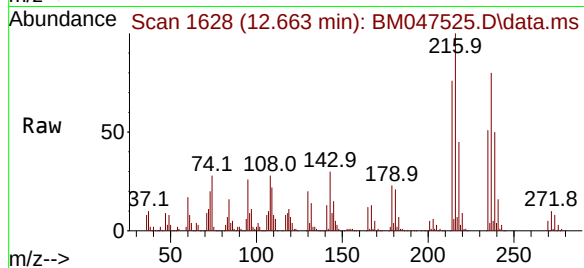
Tgt Ion:216 Resp: 1404023
Ion Ratio Lower Upper
216 100
214 78.4 63.0 94.6
179 21.7 17.5 26.3
108 22.7 18.6 28.0





#41
Hexachlorocyclopentadiene
Concen: 51.304 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

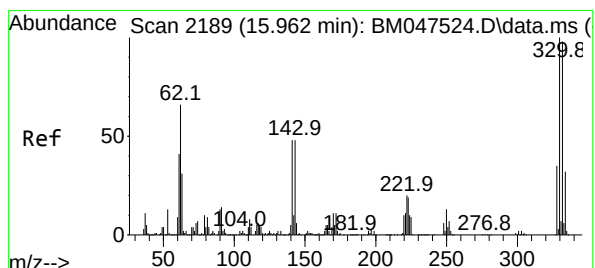
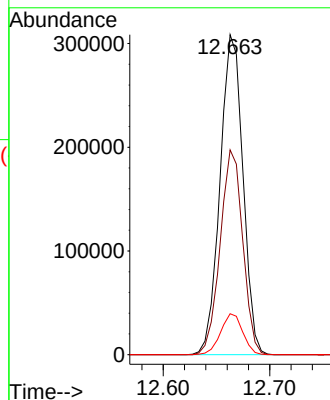
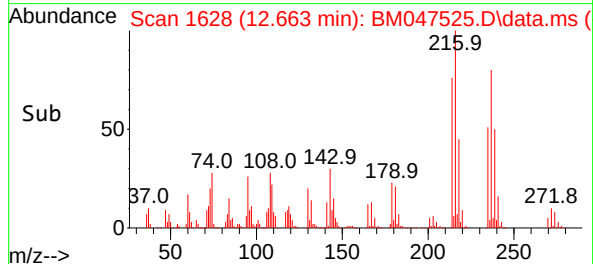
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



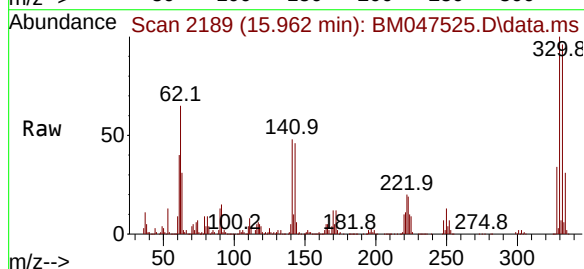
Tgt Ion:237 Resp: 459860
Ion Ratio Lower Upper
237 100
235 64.0 42.0 82.0
272 12.8 0.0 31.5

Manual Integrations
APPROVED

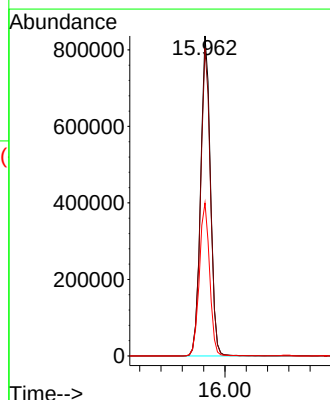
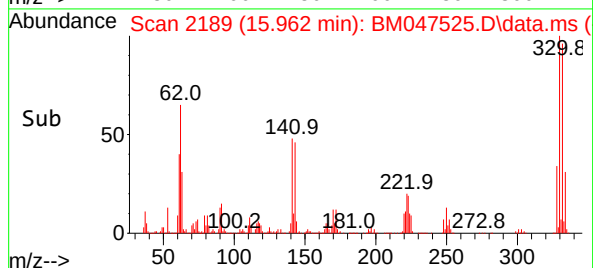
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

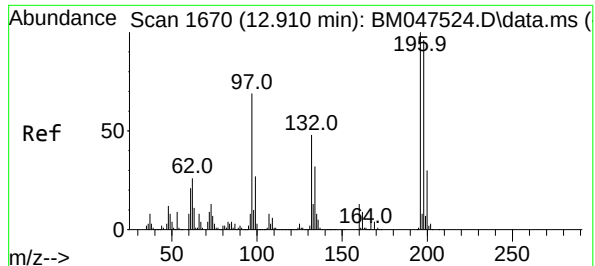


#42
2,4,6-Tribromophenol
Concen: 109.339 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



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

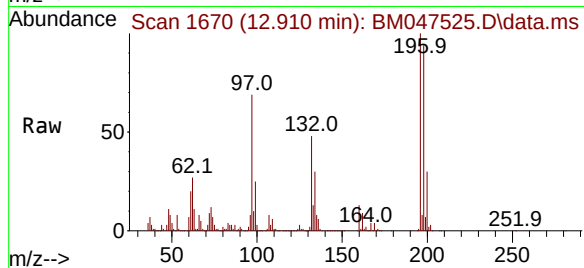
Acq: 14 Sep 2024 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 906659

Ion Ratio Lower Upper

196 100

198 94.3 76.9 115.3

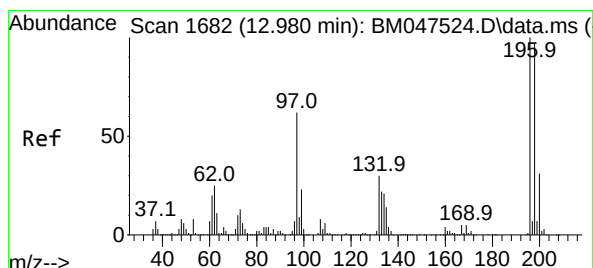
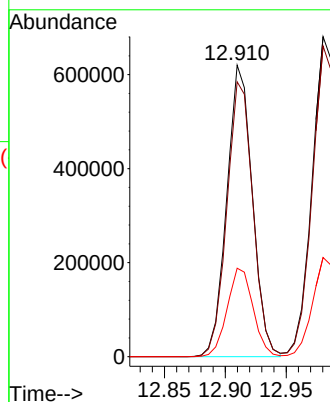
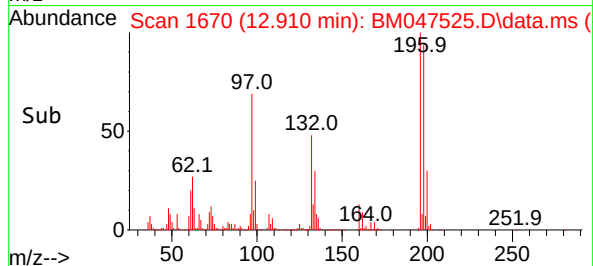
200 30.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

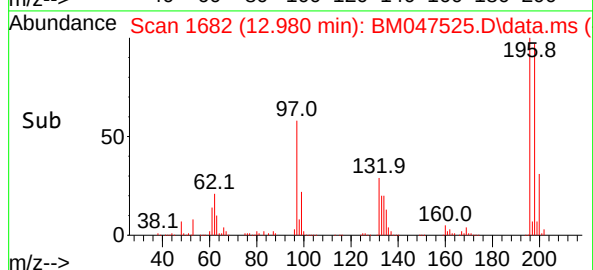
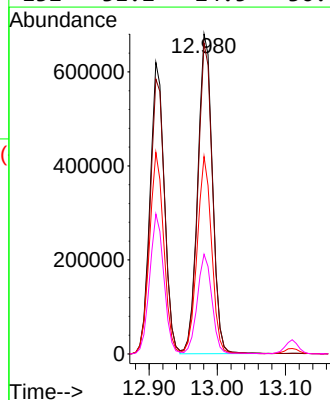
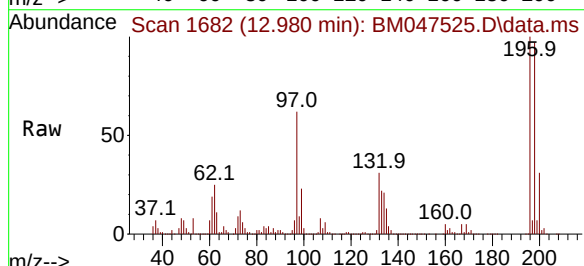
Ion Ratio Lower Upper

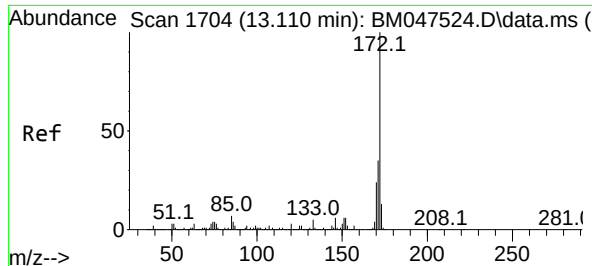
196 100

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# 1704

Delta R.T. 0.000 min

Lab File: BM047525.D

Acq: 14 Sep 2024 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 7716038

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

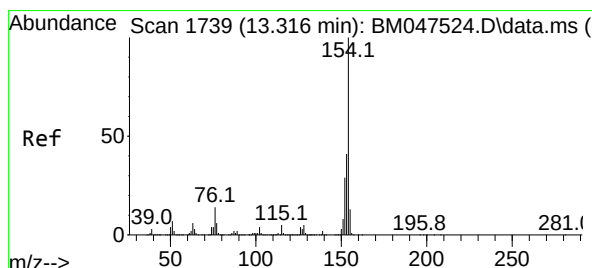
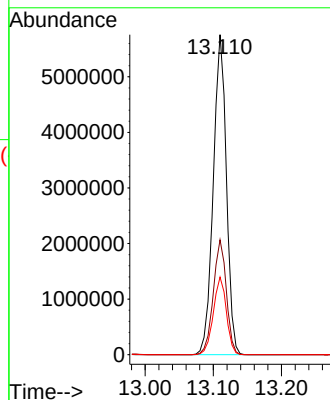
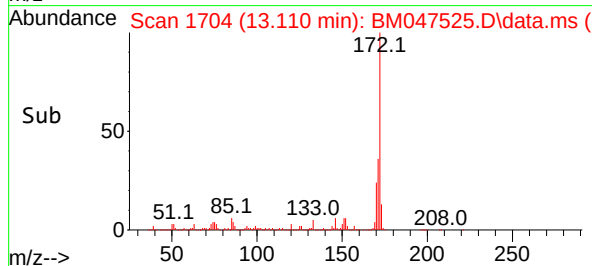
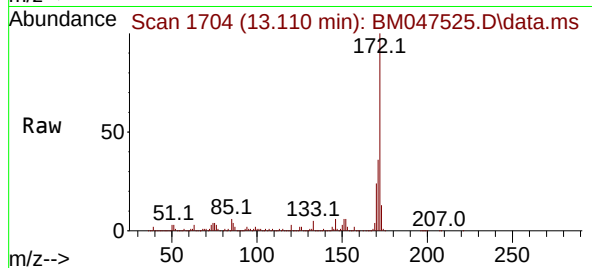
170 24.3 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

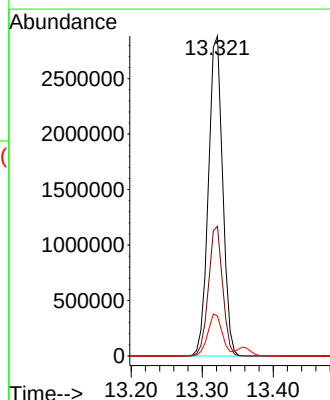
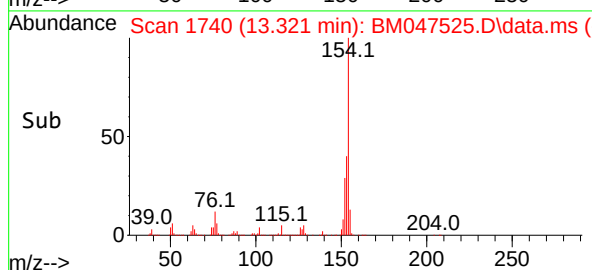
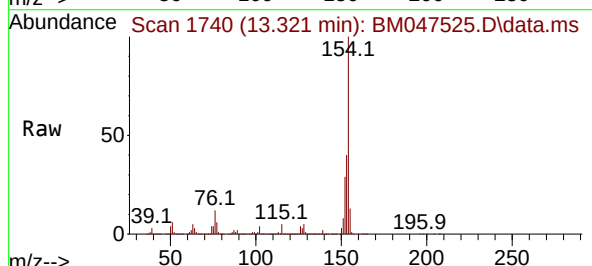
Tgt Ion:154 Resp: 4013259

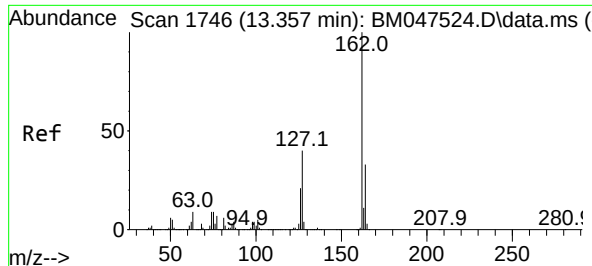
Ion Ratio Lower Upper

154 100

153 40.5 20.6 60.6

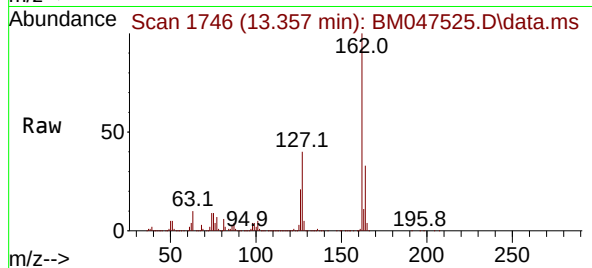
76 12.5 0.0 33.9





#47
2-Chloronaphthalene
Concen: 51.065 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

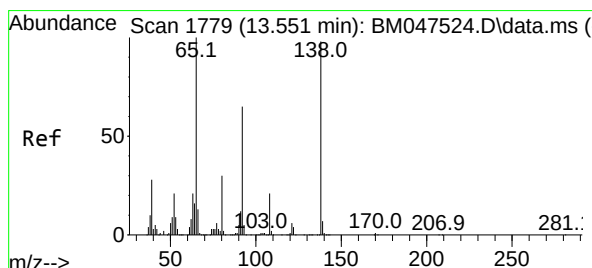
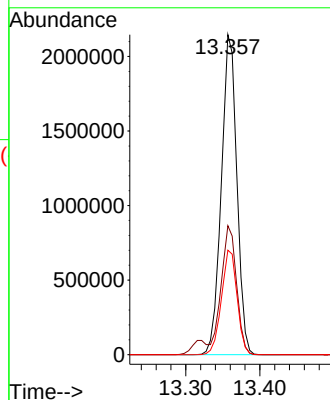
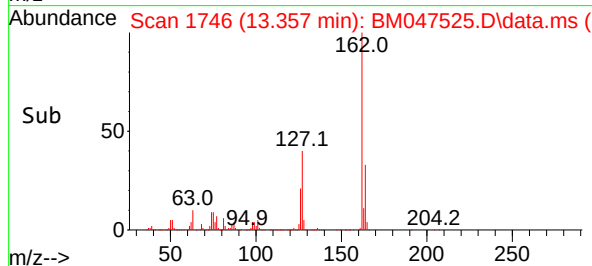
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



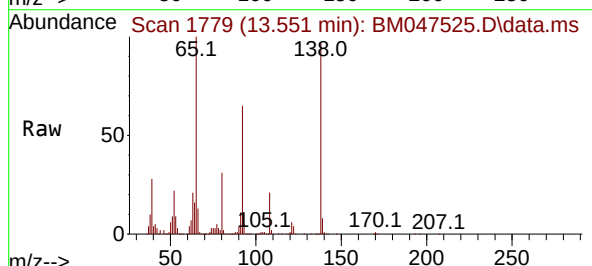
Tgt Ion:162 Resp: 312599
Ion Ratio Lower Upper
162 100
127 40.3 32.2 48.4
164 32.7 26.3 39.5

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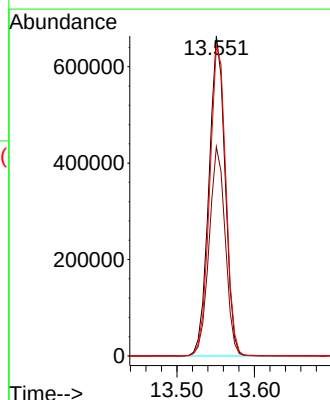
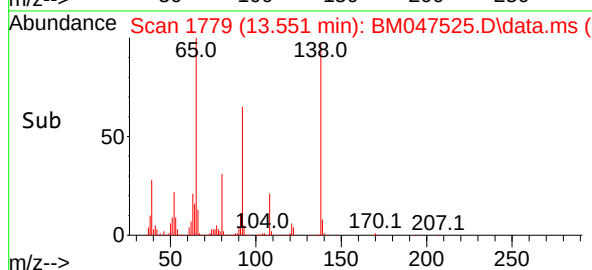
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

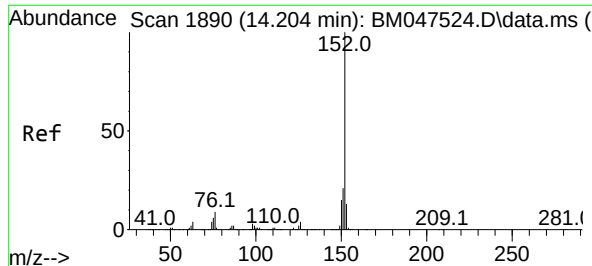


#48
2-Nitroaniline
Concen: 53.545 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



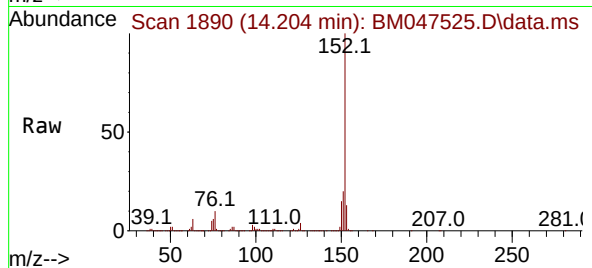
Tgt Ion: 65 Resp: 962763
Ion Ratio Lower Upper
65 100
92 65.3 51.9 77.9
138 96.8 78.5 117.7





#49
Acenaphthylene
Concen: 51.383 ng
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

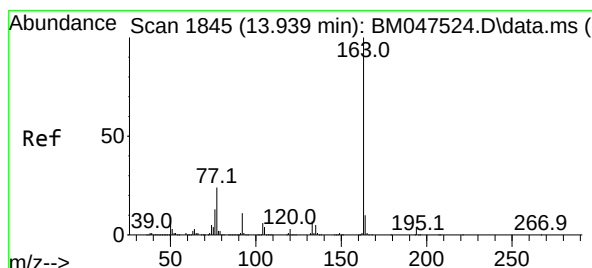
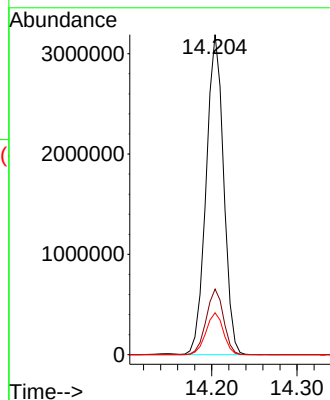
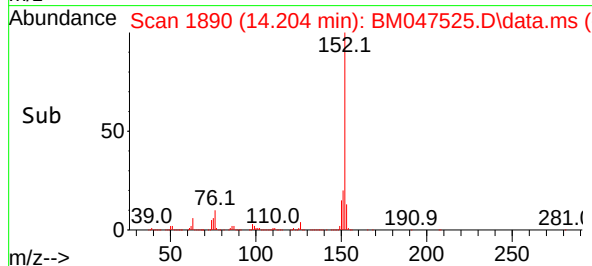
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



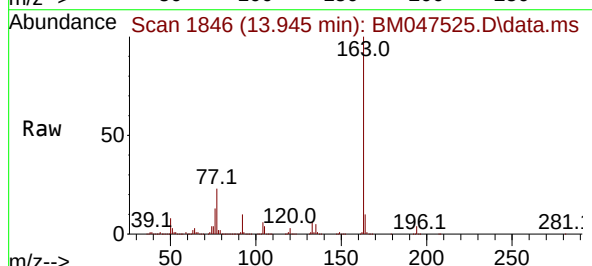
Tgt Ion:152 Resp: 453912
Ion Ratio Lower Upper
152 100
151 20.5 16.5 24.7
153 13.1 10.4 15.6

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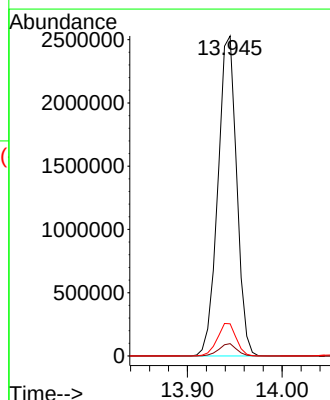
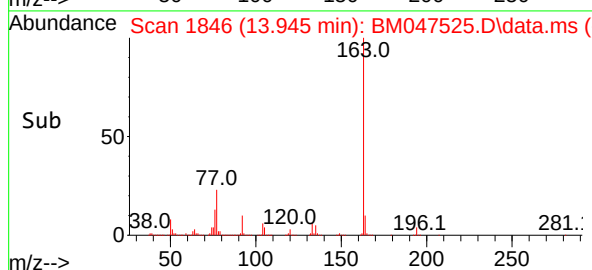
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

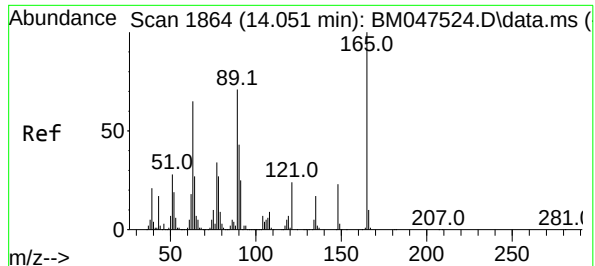


#50
Dimethylphthalate
Concen: 50.489 ng
RT: 13.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



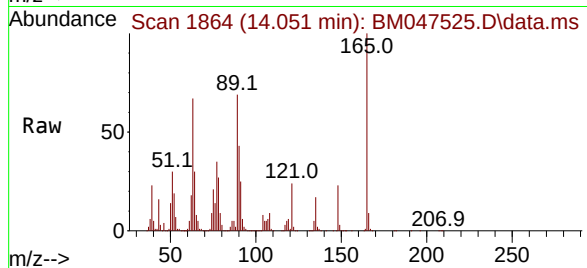
Tgt Ion:163 Resp: 3486930
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.0 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 52.129 ng
RT: 14.051 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

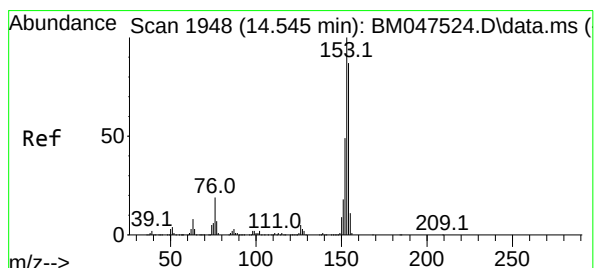
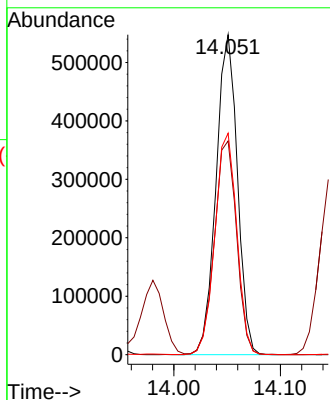
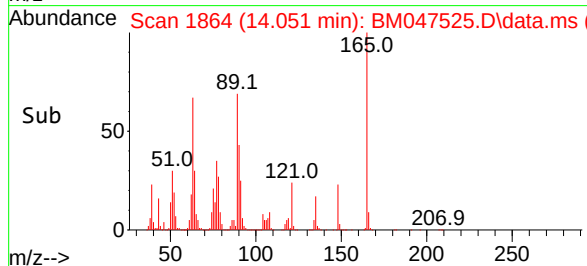
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 760004
Ion Ratio Lower Upper
165 100
63 66.8 54.2 81.2
89 69.2 56.4 84.6

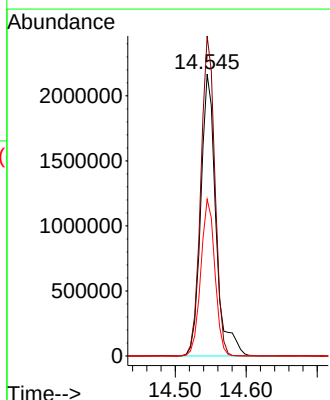
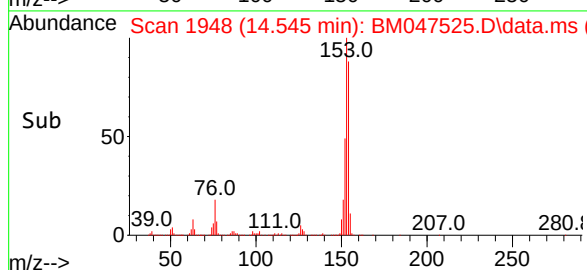
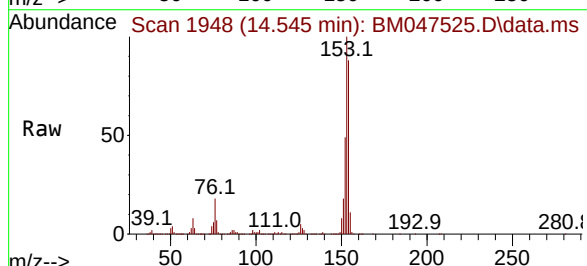
Manual Integrations
APPROVED

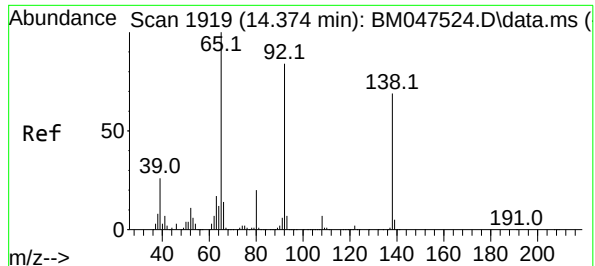
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

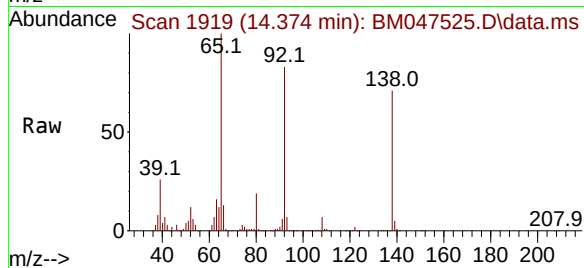
Tgt Ion:154 Resp: 3208580
Ion Ratio Lower Upper
154 100
153 113.6 92.2 138.2
152 55.6 45.4 68.0





#53
3-Nitroaniline
Concen: 53.063 ng
RT: 14.374 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

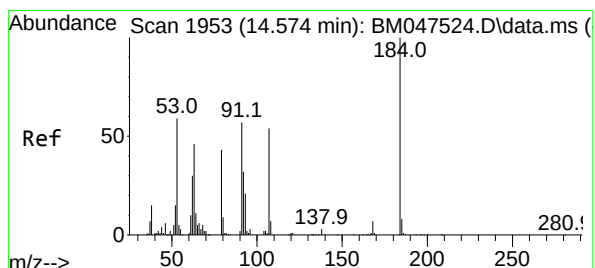
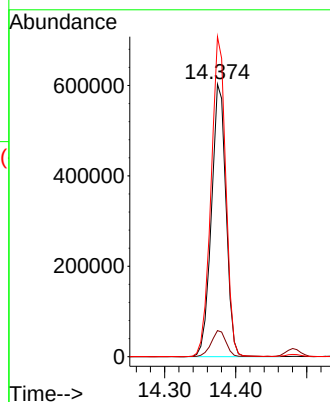
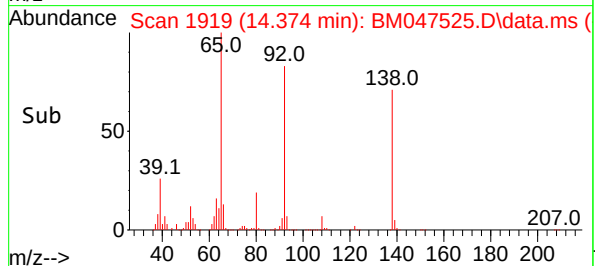
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



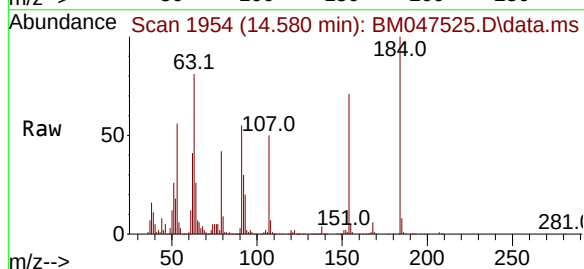
Tgt Ion:138 Resp: 85988
Ion Ratio Lower Upper
138 100
108 9.6 8.0 12.0
92 117.5 97.4 146.0

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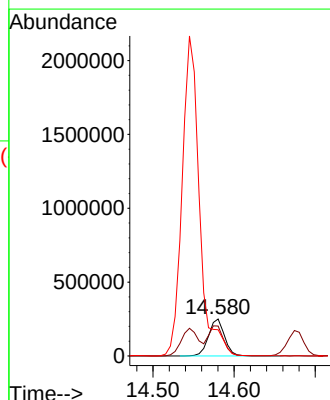
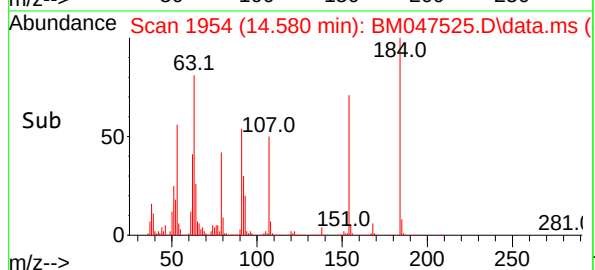
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

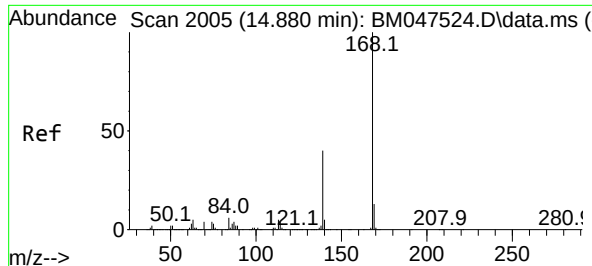


#54
2,4-Dinitrophenol
Concen: 49.904 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



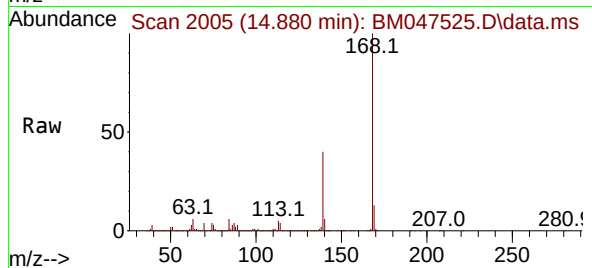
Tgt Ion:184 Resp: 341766
Ion Ratio Lower Upper
184 100
63 81.1 69.4 104.0
154 71.2 60.4 90.6





#55
Dibenzenofuran
Concen: 50.752 ng
RT: 14.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

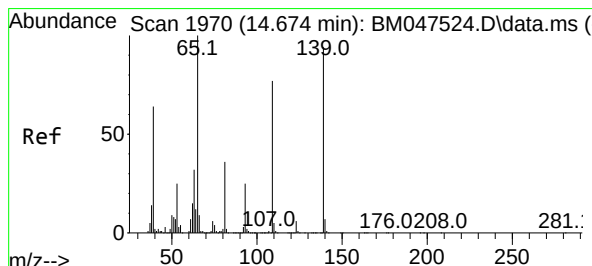
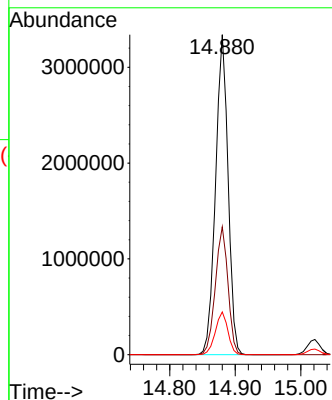
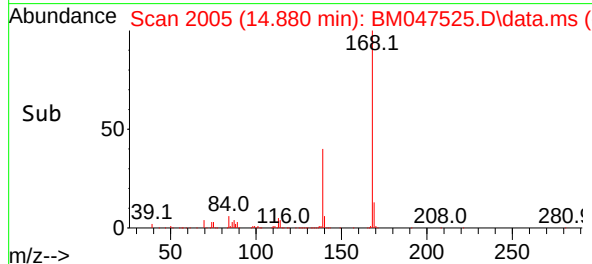
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

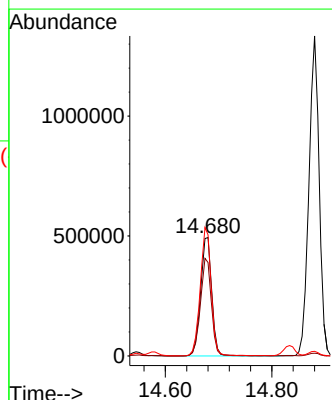
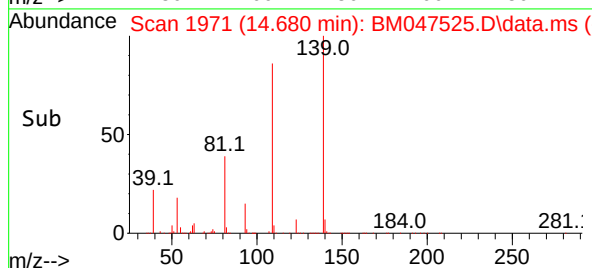
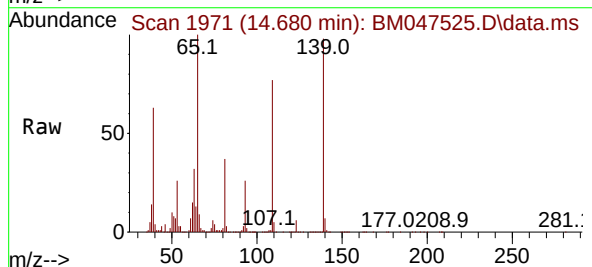
Manual Integrations
APPROVED

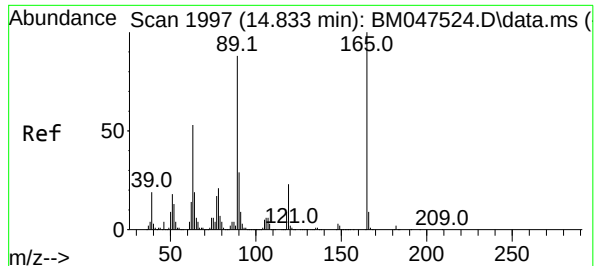
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

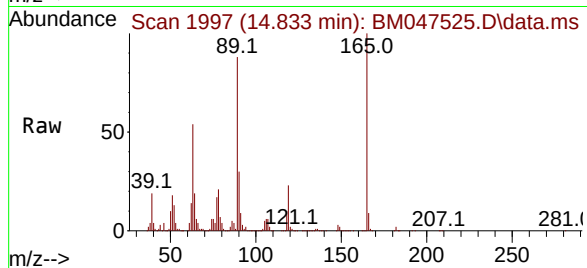
Tgt Ion:139 Resp: 719745
Ion Ratio Lower Upper
139 100
109 79.0 62.0 102.0
65 102.3 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 53.310 ng
RT: 14.833 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

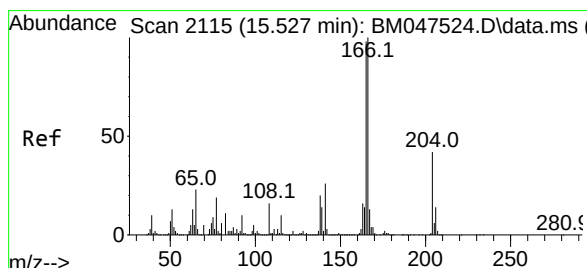
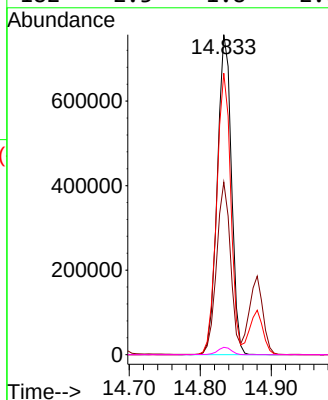
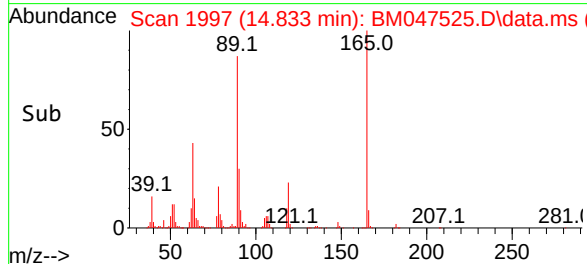
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



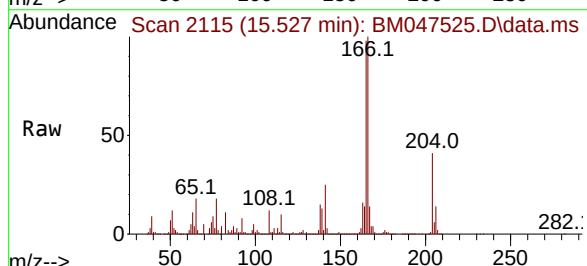
Tgt Ion:165 Resp: 1036584
Ion Ratio Lower Upper
165 100
63 53.9 42.4 63.6
89 88.0 70.5 105.7
182 2.3 1.8 2.6

Manual Integrations
APPROVED

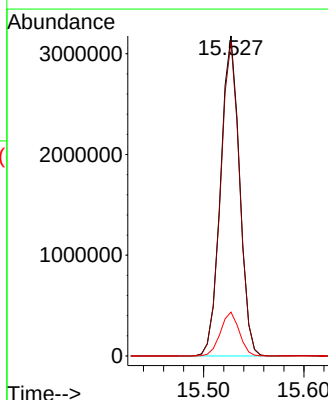
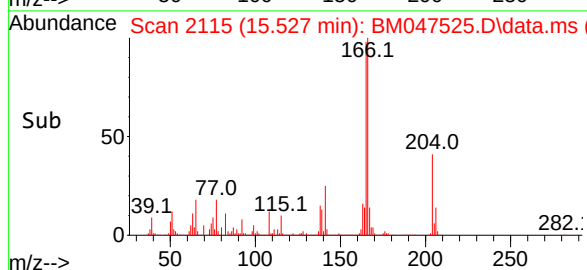
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

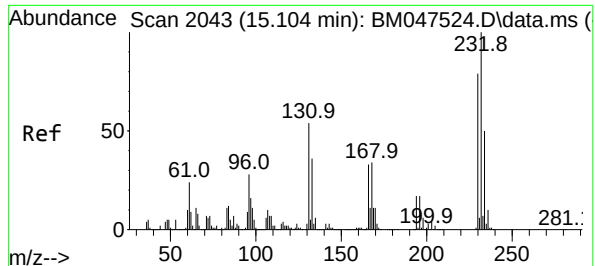


#58
Fluorene
Concen: 53.124 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



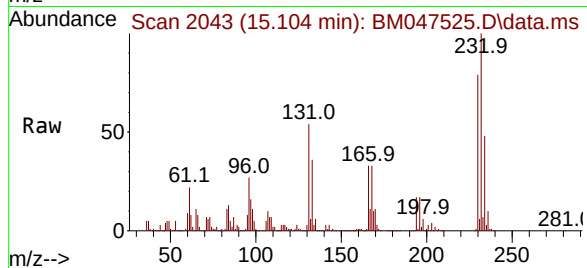
Tgt Ion:166 Resp: 4160088
Ion Ratio Lower Upper
166 100
165 98.3 78.6 117.8
167 13.7 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.397 ng
RT: 15.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

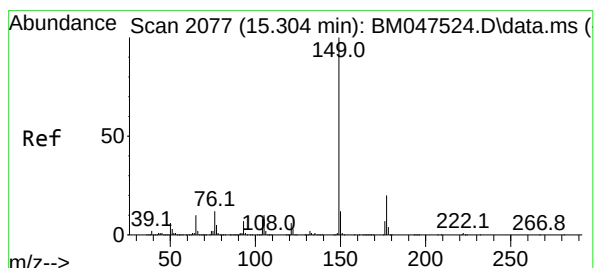
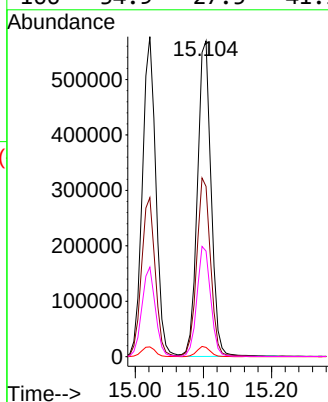
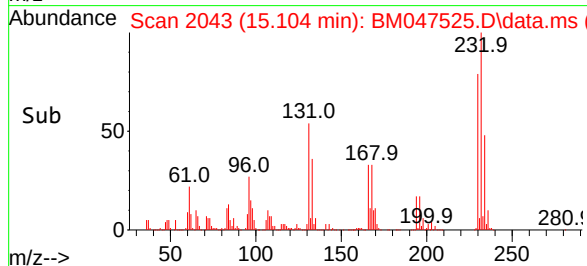
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 792620
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

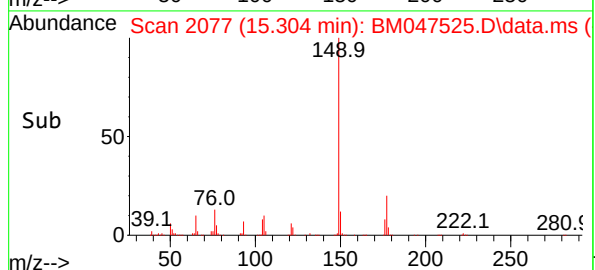
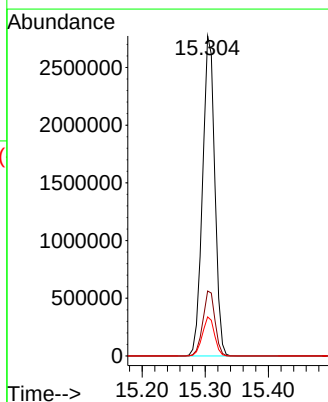
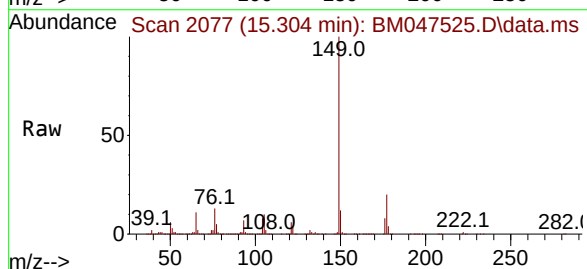
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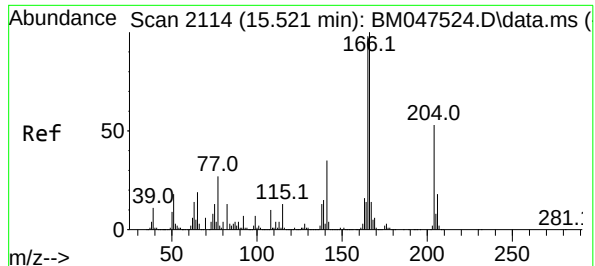
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

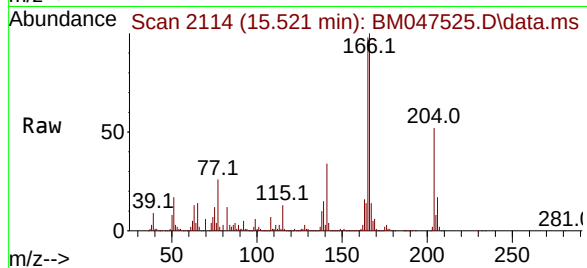
Tgt Ion:149 Resp: 3731359
Ion Ratio Lower Upper
149 100
177 20.3 15.8 23.8
150 12.2 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 52.727 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

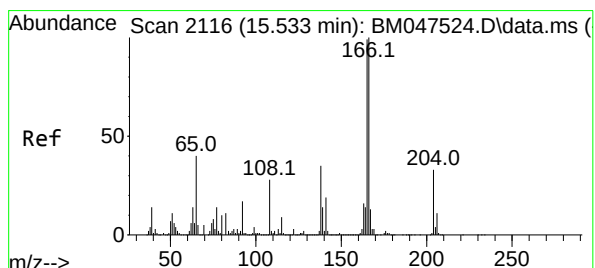
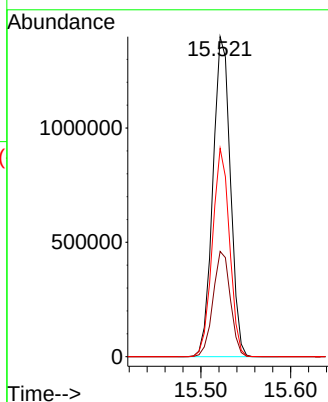
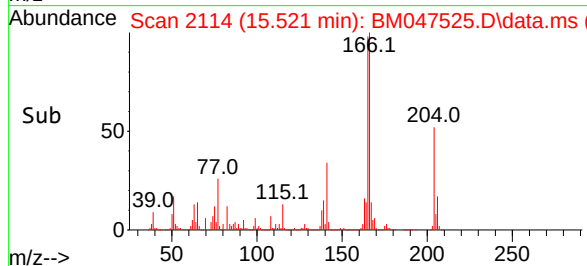
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



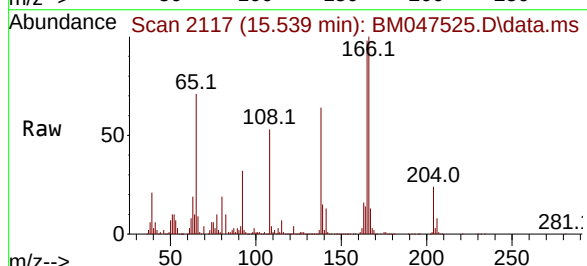
Tgt Ion:204 Resp: 1887920
Ion Ratio Lower Upper
204 100
206 32.9 26.5 39.7
141 65.1 52.1 78.1

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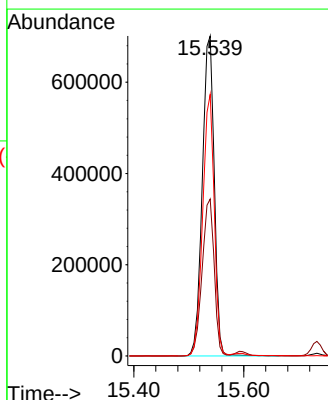
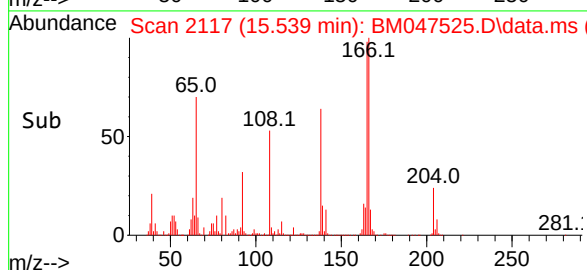
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

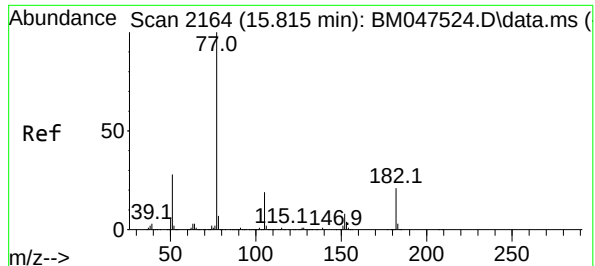


#62
4-Nitroaniline
Concen: 55.490 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



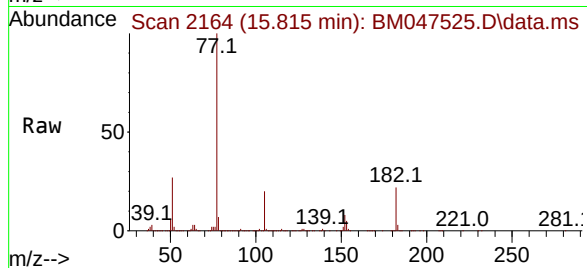
Tgt Ion:138 Resp: 1057003
Ion Ratio Lower Upper
138 100
92 49.1 30.0 70.0
108 81.8 61.7 101.7





#63
Azobenzene
Concen: 50.661 ng
RT: 15.815 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

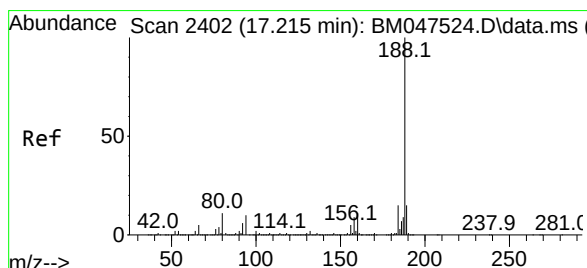
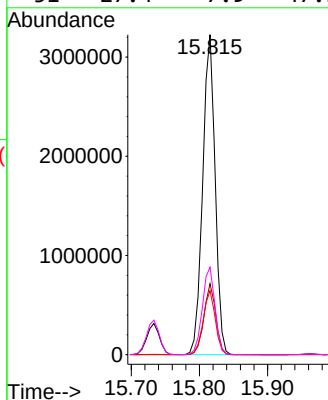
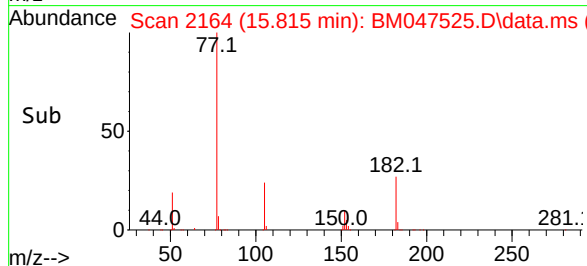
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



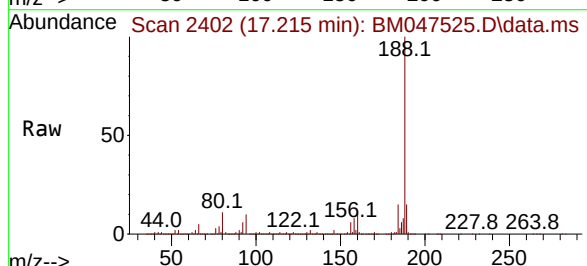
Tgt Ion: 77 Resp: 410010
Ion Ratio Lower Upper
77 100
182 22.2 1.2 41.2
105 20.0 0.0 39.4
51 27.4 7.9 47.9

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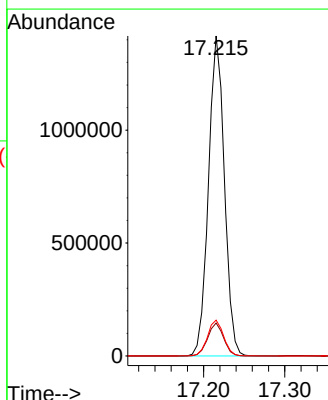
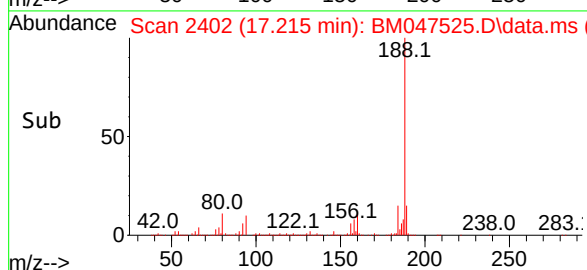
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

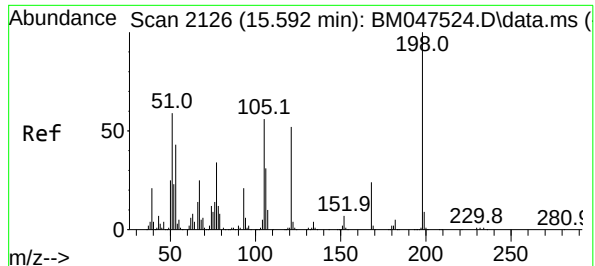


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



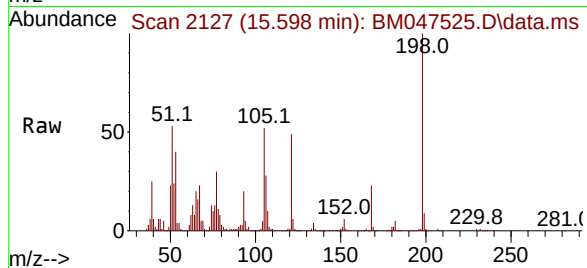
Tgt Ion:188 Resp: 1927087
Ion Ratio Lower Upper
188 100
94 10.3 8.4 12.6
80 11.2 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 47.513 ng
RT: 15.598 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

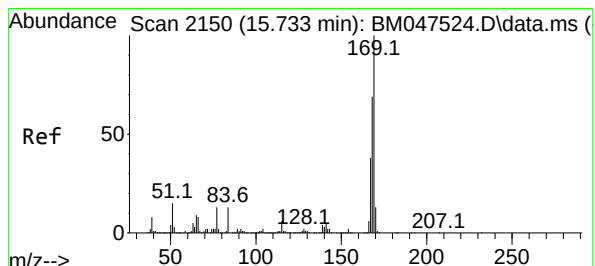
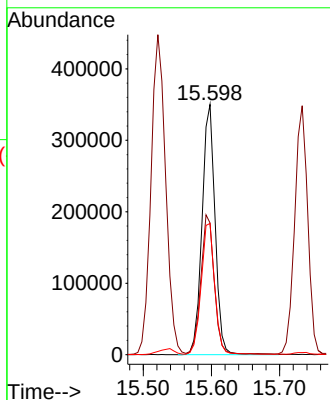
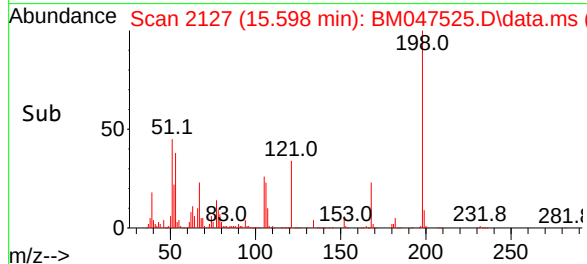
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 465520
Ion Ratio Lower Upper
198 100
51 52.7 41.5 81.5
105 52.5 36.4 76.4

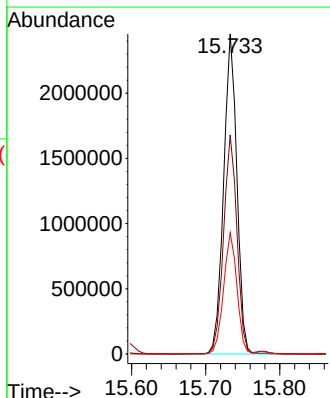
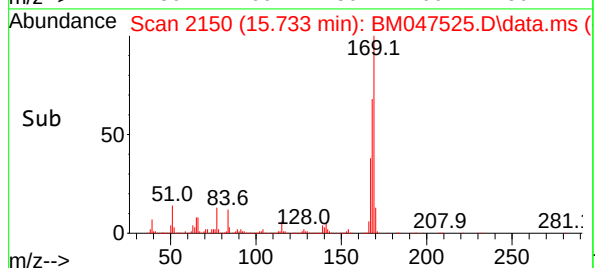
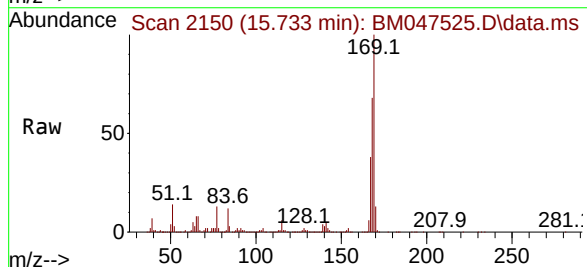
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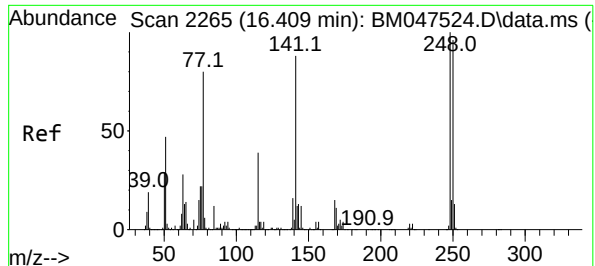
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

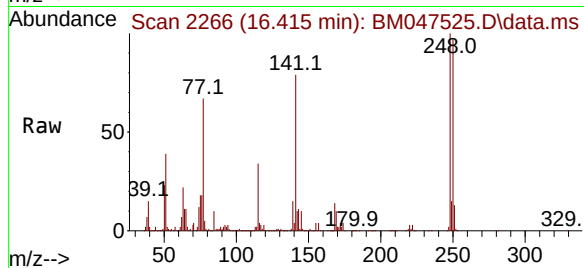
Tgt Ion:169 Resp: 3050884
Ion Ratio Lower Upper
169 100
168 68.4 55.3 82.9
167 37.9 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 51.803 ng
RT: 16.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

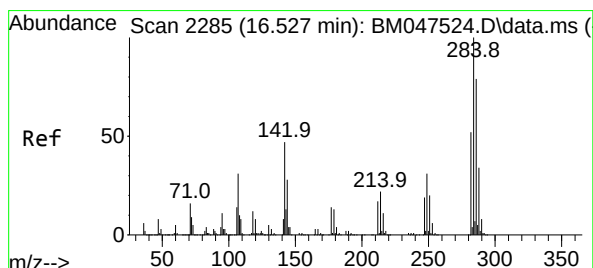
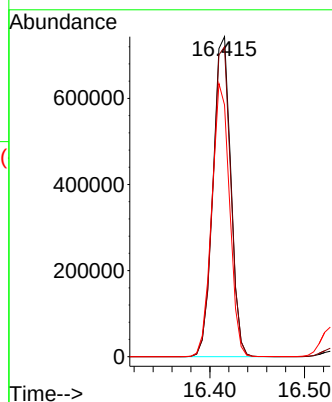
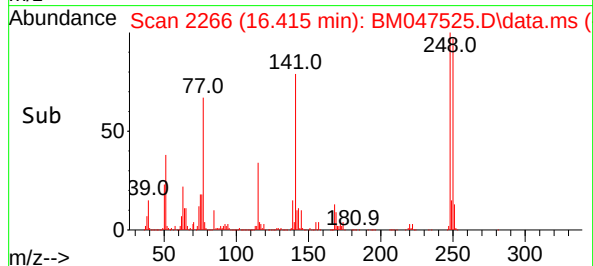
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

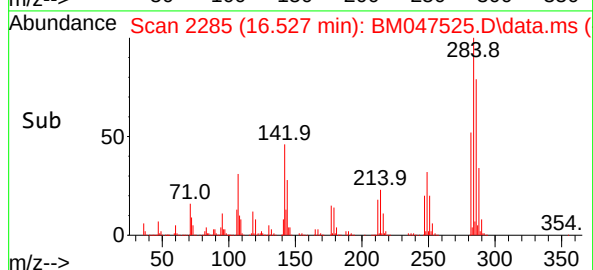
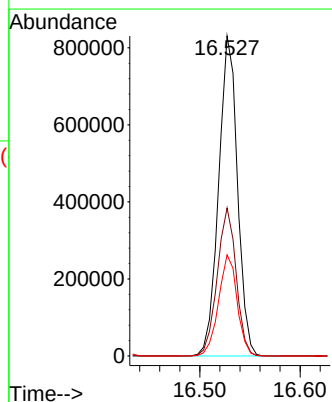
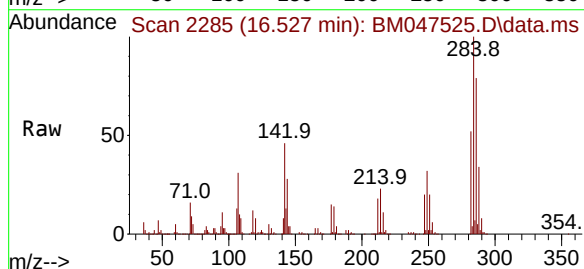
Manual Integrations
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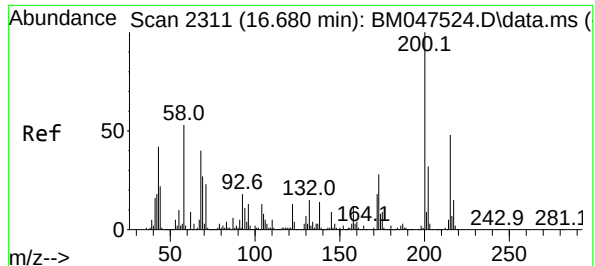
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 21

Delta R.T. 0.000 min

Lab File: BM047525.D

Acq: 14 Sep 2024 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:200 Resp: 83970

Ion Ratio Lower Upper

200 100

173 27.9 7.7 47.7

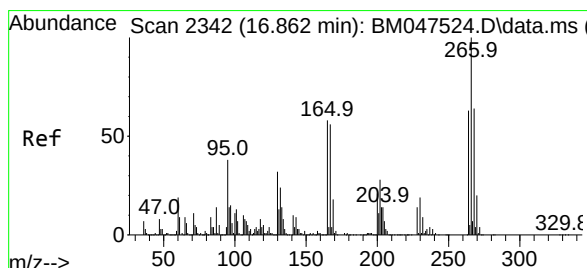
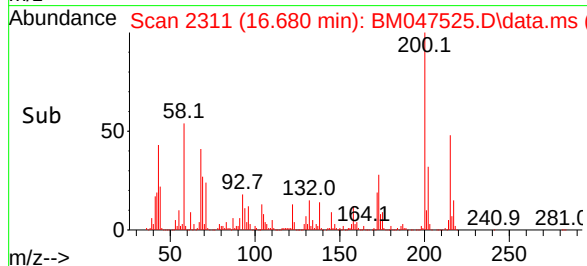
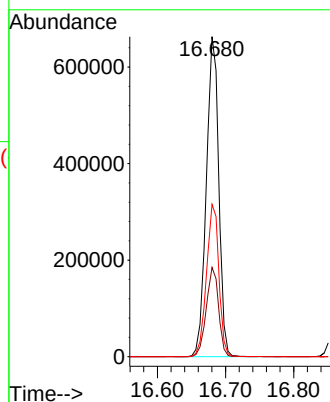
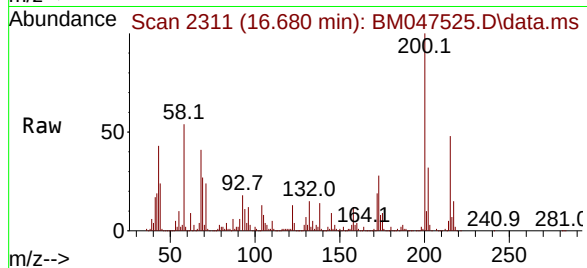
215 47.6 27.9 67.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

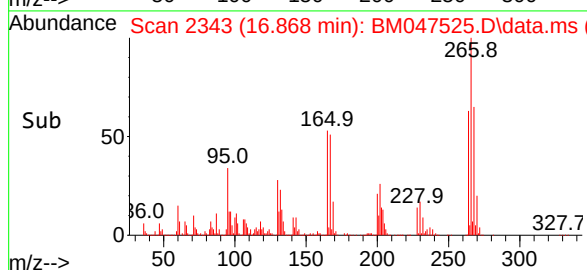
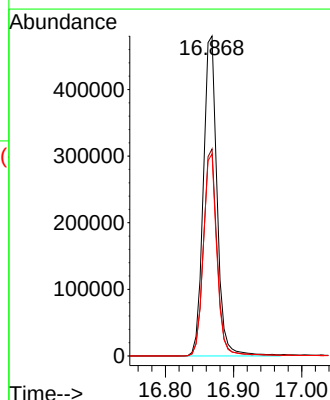
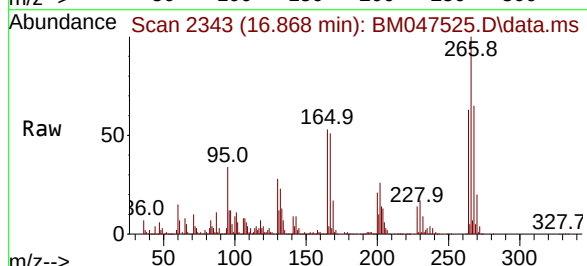
Tgt Ion:266 Resp: 673070

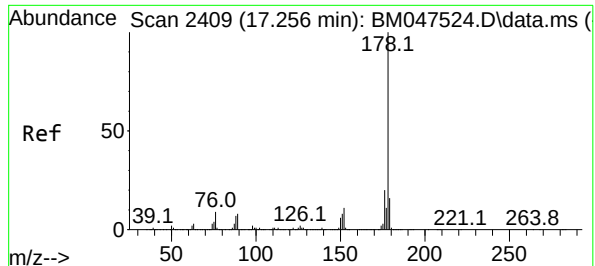
Ion Ratio Lower Upper

266 100

268 64.7 51.0 76.4

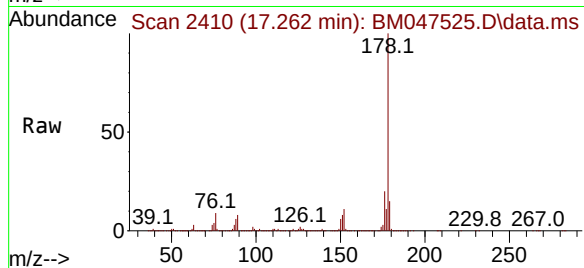
264 63.1 50.4 75.6





#71
Phenanthrene
Concen: 51.315 ng
RT: 17.262 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

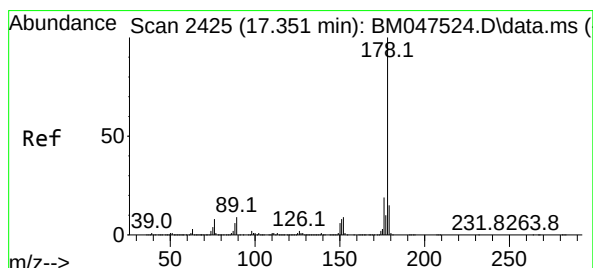
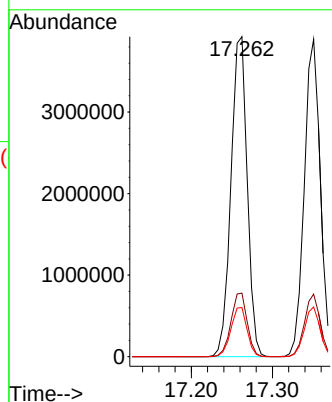
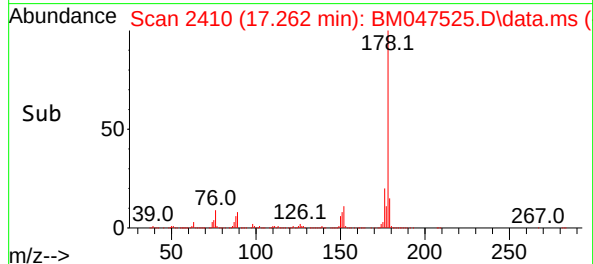
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

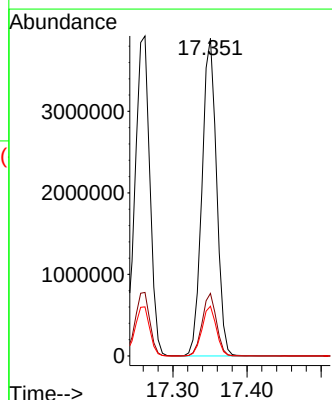
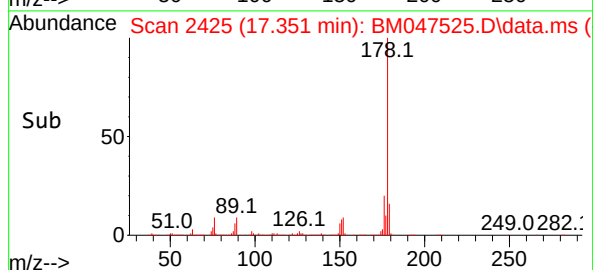
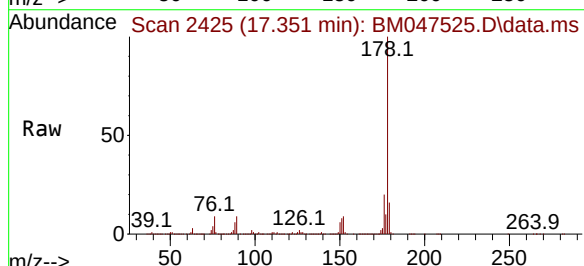
Manual Integrations
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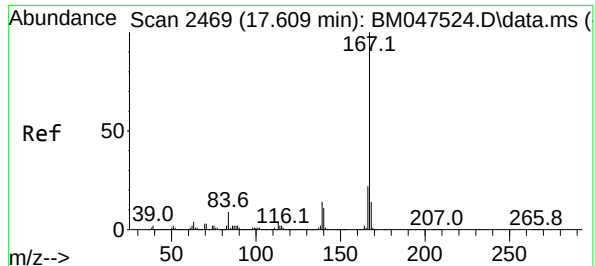
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

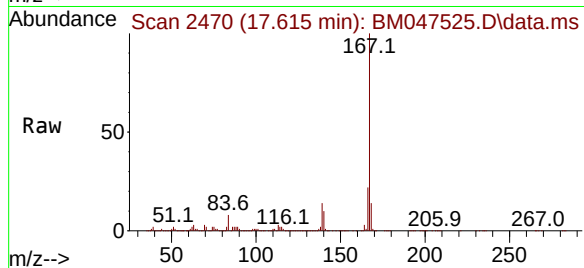
Tgt Ion:178 Resp: 5311241
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.7 12.3 18.5





#73
 Carbazole
 Concen: 51.703 ng
 RT: 17.615 min Scan# 2469
 Delta R.T. 0.006 min
 Lab File: BM047525.D
 Acq: 14 Sep 2024 15:14

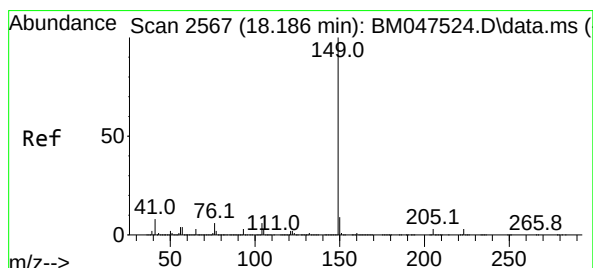
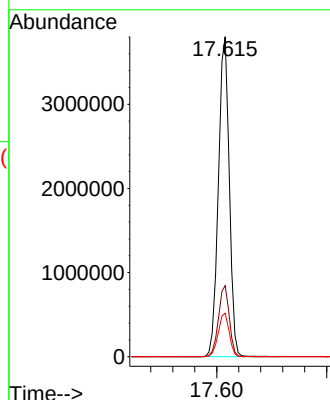
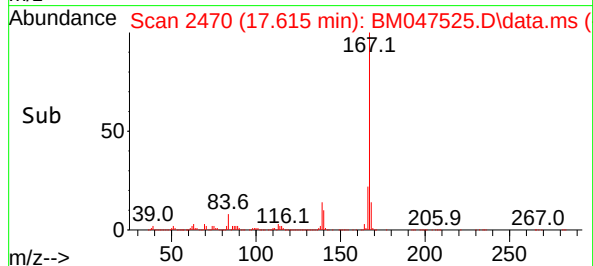
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC050



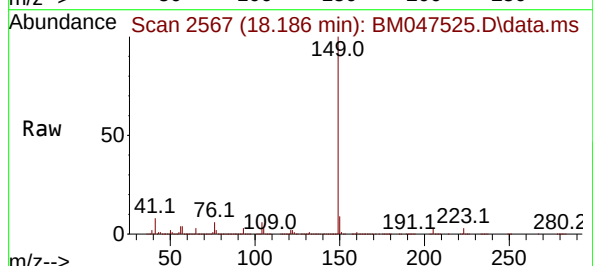
Tgt Ion:167 Resp: 522811
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.8
 139 13.6 11.0 16.6

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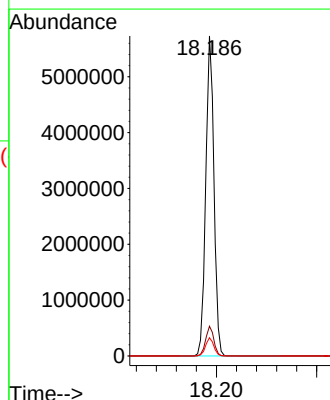
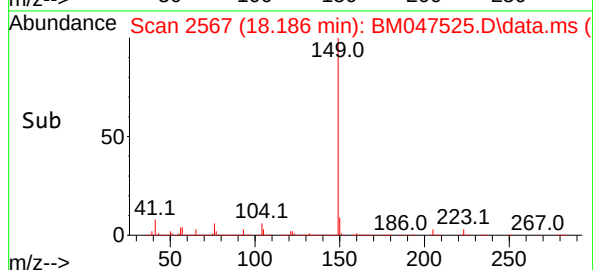
Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :mohammad ahmed 09/17/2024

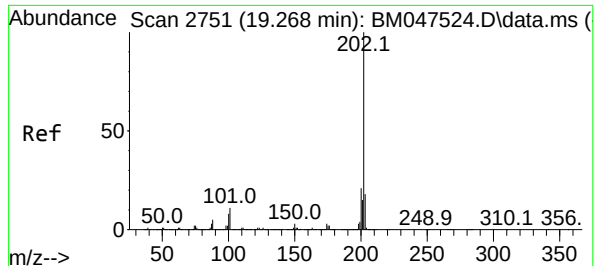


#74
 Di-n-butylphthalate
 Concen: 53.702 ng
 RT: 18.186 min Scan# 2567
 Delta R.T. 0.000 min
 Lab File: BM047525.D
 Acq: 14 Sep 2024 15:14



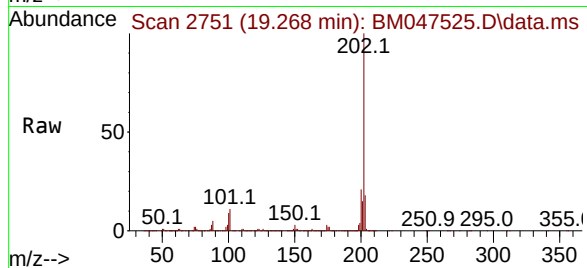
Tgt Ion:149 Resp: 6497317
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.7 4.6 6.8





#75
Fluoranthene
Concen: 53.071 ng
RT: 19.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

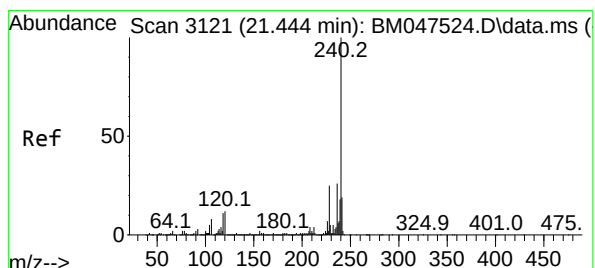
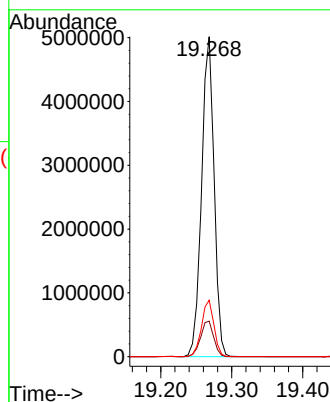
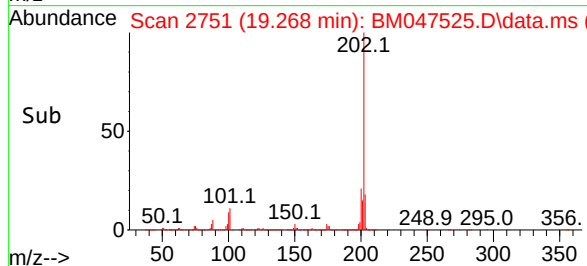
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

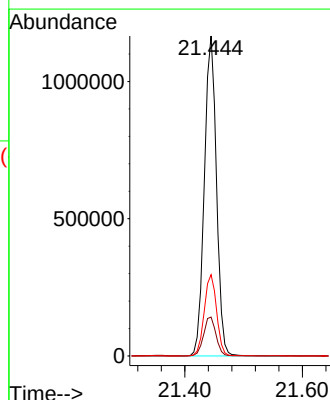
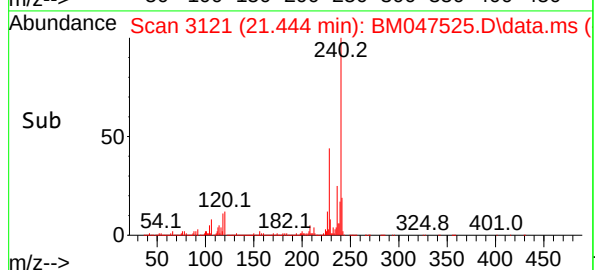
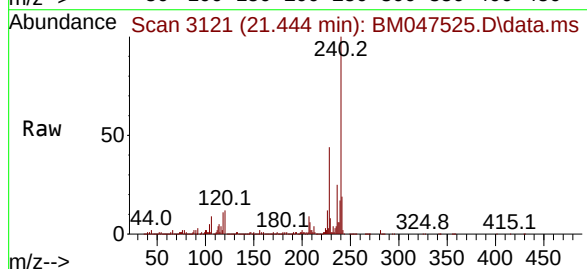
Manual Integrations
APPROVED

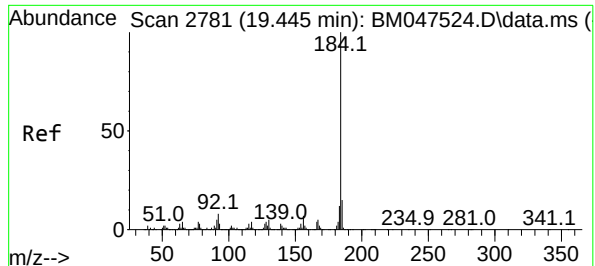
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

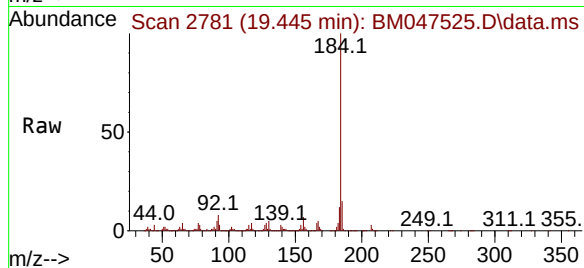
Tgt Ion:240 Resp: 1661575
Ion Ratio Lower Upper
240 100
120 12.2 9.6 14.4
236 25.4 20.9 31.3





#77
Benzidine
Concen: 46.978 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

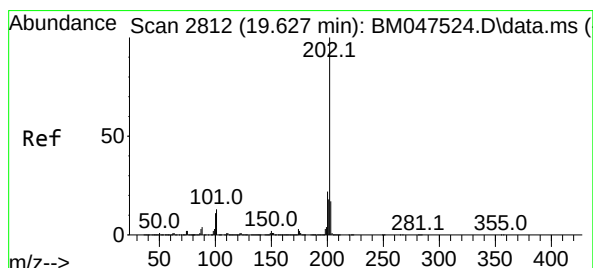
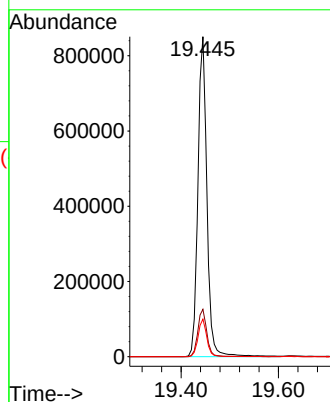
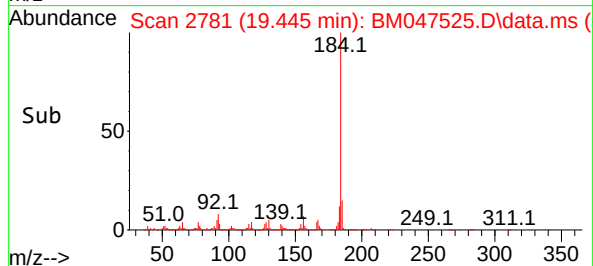
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

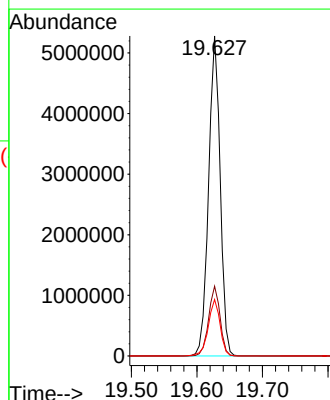
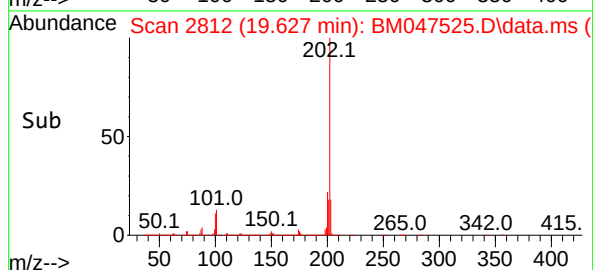
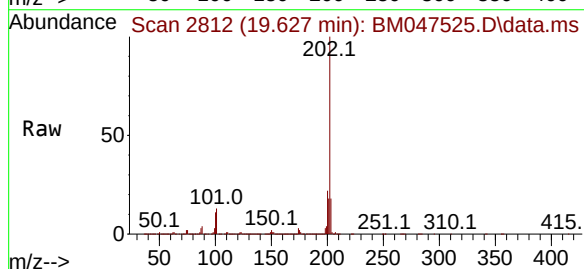
Manual Integrations
APPROVED

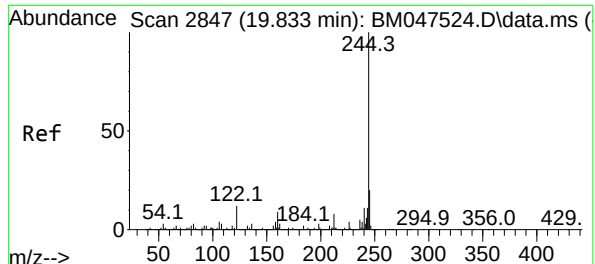
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

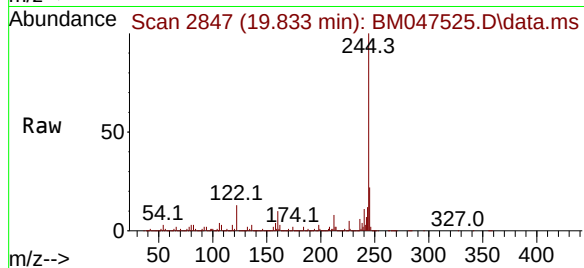
Tgt Ion:202 Resp: 6496279
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.6 14.0 21.0





#79
Terphenyl-d14
Concen: 110.997 ng
RT: 19.833 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

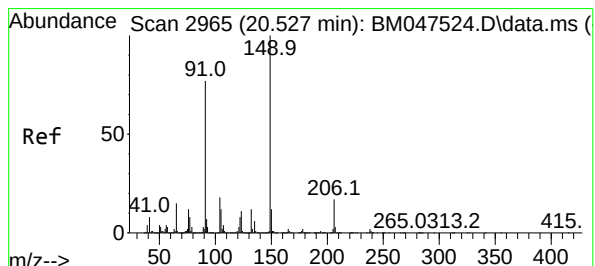
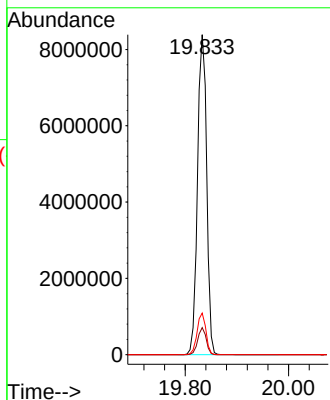
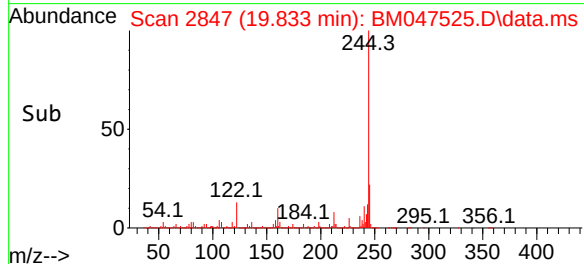
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:244 Resp:10292194
Ion Ratio Lower Upper
244 100
212 8.5 6.2 9.2
122 13.0 9.6 14.4

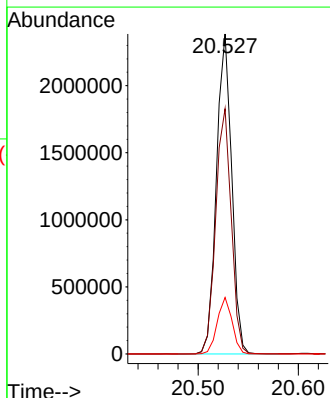
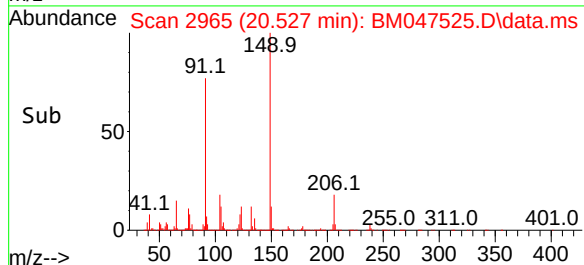
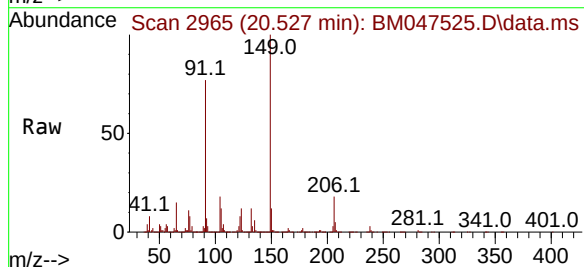
Manual Integrations
APPROVED

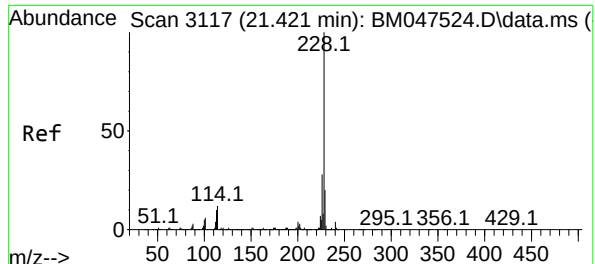
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

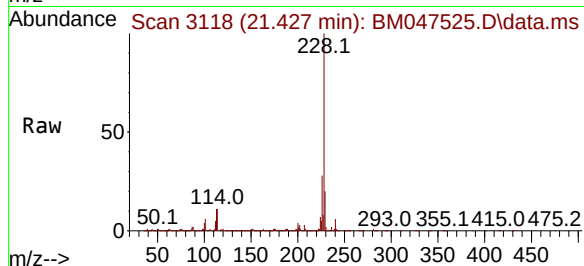
Tgt Ion:149 Resp: 2508902
Ion Ratio Lower Upper
149 100
91 76.6 62.0 93.0
206 17.7 13.8 20.8





#81
Benzo(a)anthracene
Concen: 50.819 ng
RT: 21.427 min Scan# 3117
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

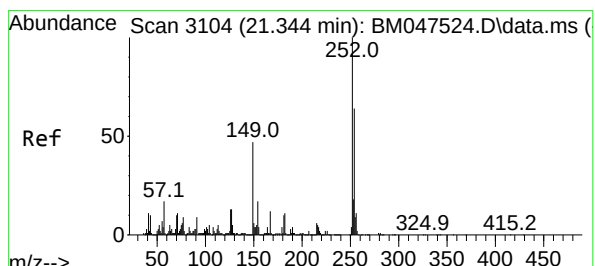
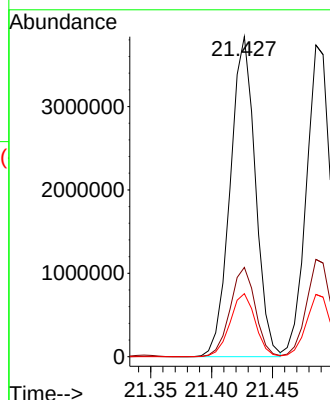
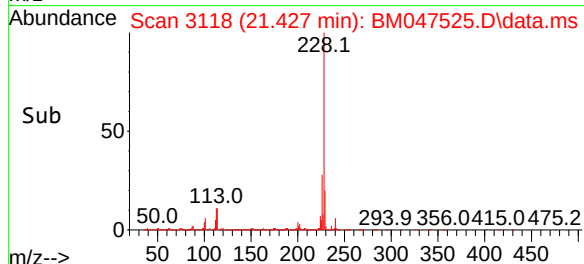
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



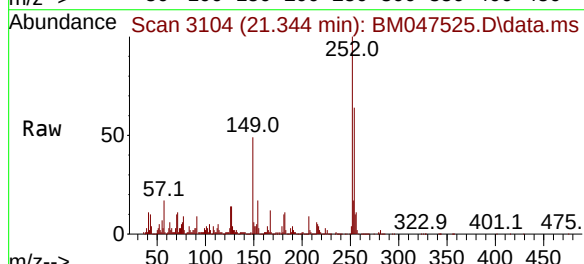
Tgt Ion:228 Resp: 550376
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 19.7 16.0 24.0

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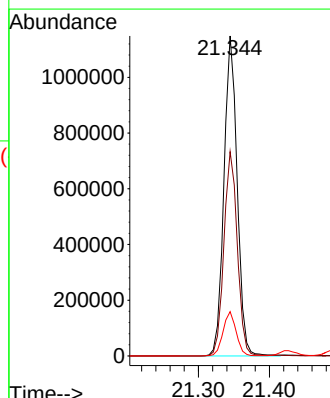
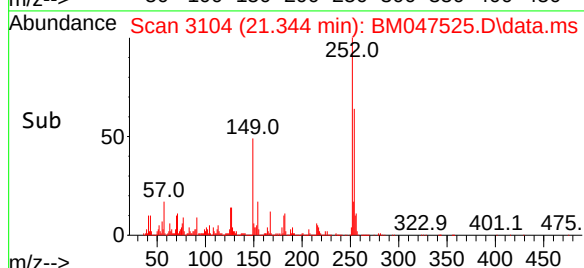
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

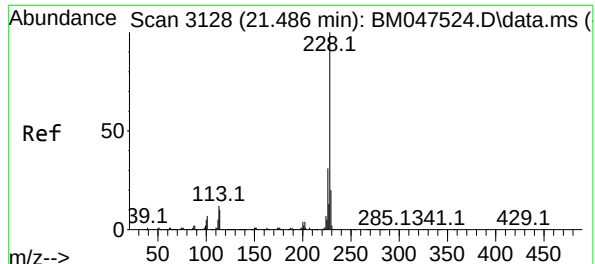


#82
3,3'-Dichlorobenzidine
Concen: 51.333 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14



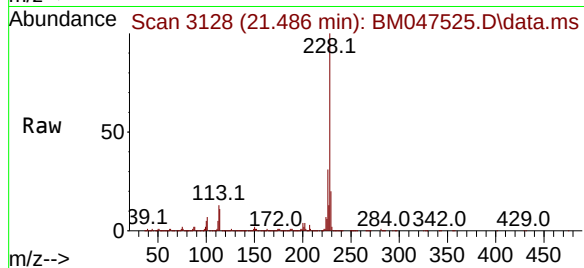
Tgt Ion:252 Resp: 1478863
Ion Ratio Lower Upper
252 100
254 63.9 51.5 77.3
126 13.9 10.3 15.5





#83
Chrysene
Concen: 50.689 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

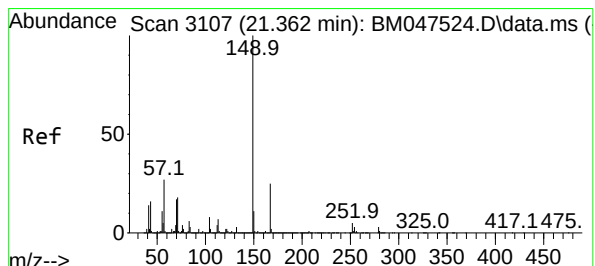
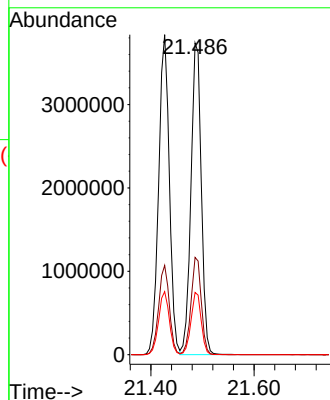
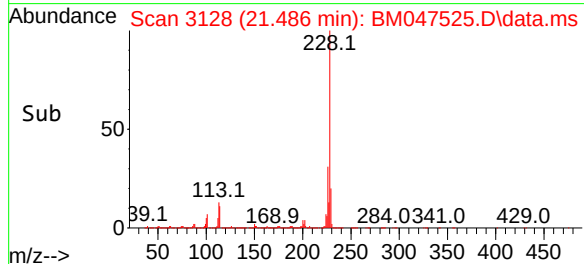
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 5192530
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 19.9 15.9 23.9

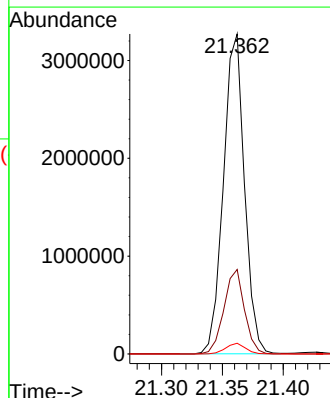
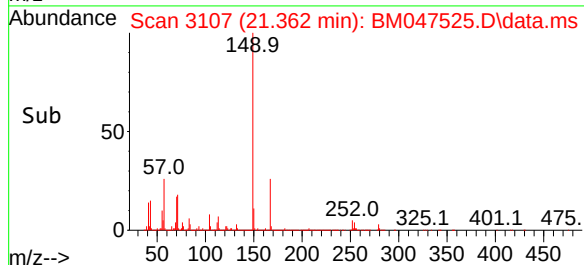
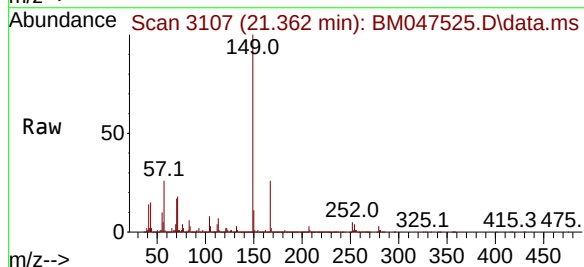
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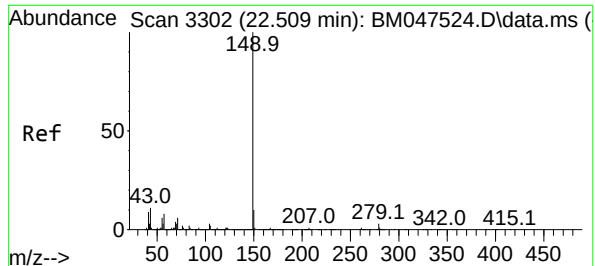
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

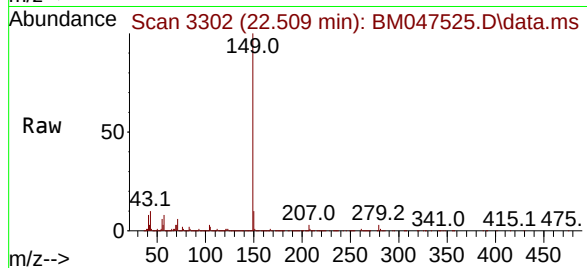
Tgt Ion:149 Resp: 3935057
Ion Ratio Lower Upper
149 100
167 26.4 20.2 30.4
279 3.3 2.6 4.0





#85
Di-n-octyl phthalate
Concen: 52.601 ng
RT: 22.509 min Scan# 3302
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

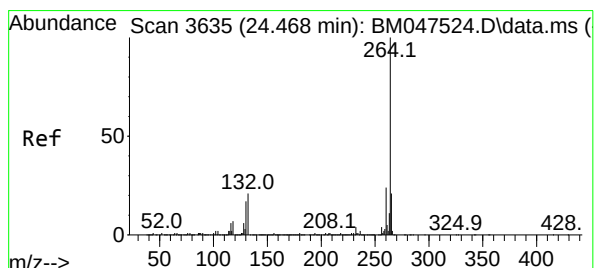
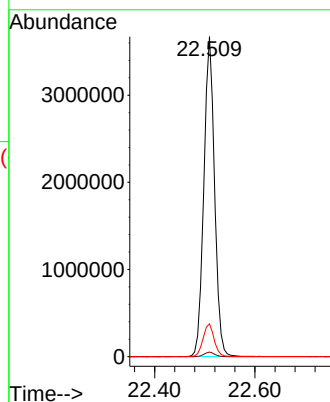
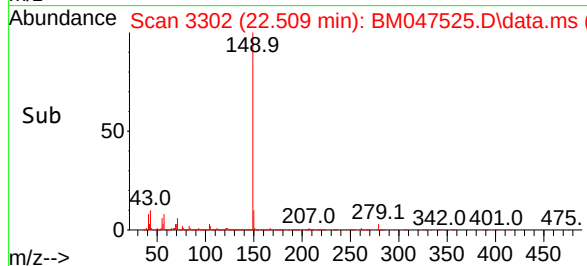
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

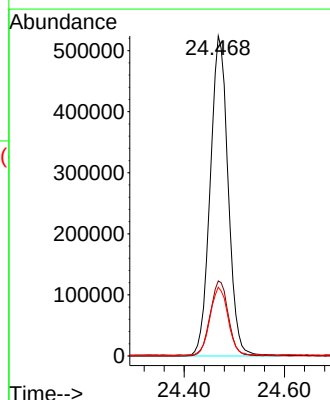
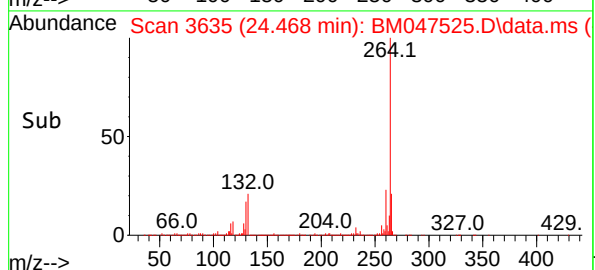
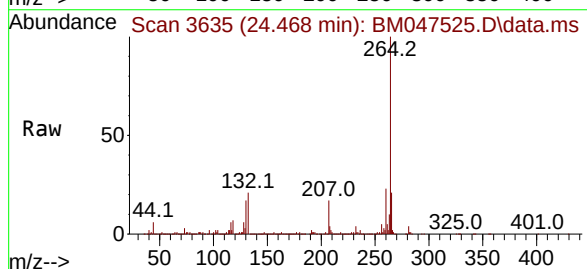
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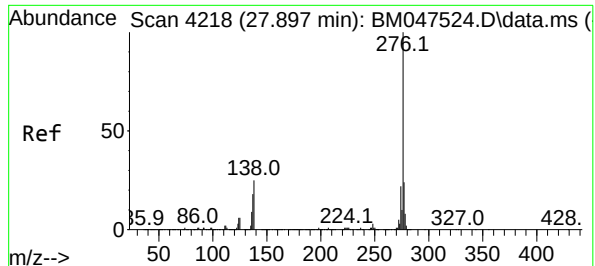
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

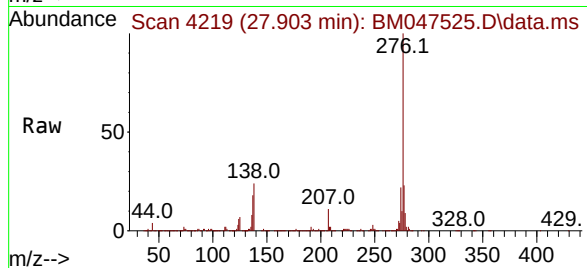
Tgt Ion:264 Resp: 1297327
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 21.5 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.731 ng
RT: 27.903 min Scan# 4218
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

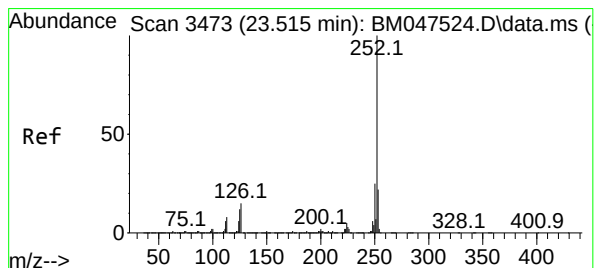
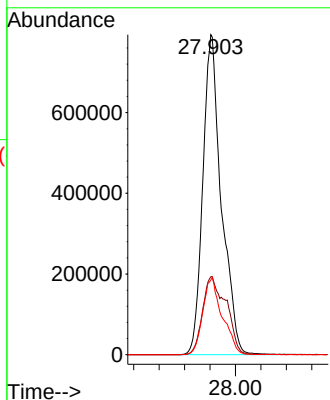
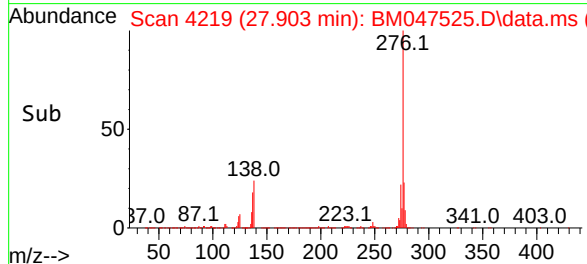
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

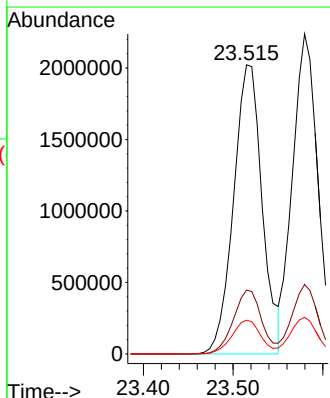
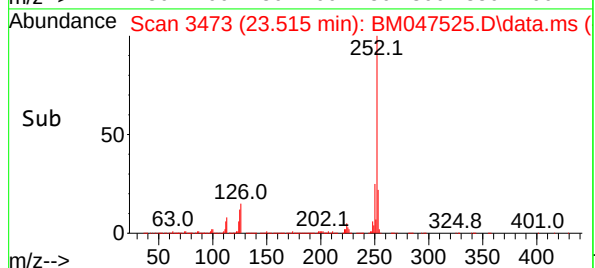
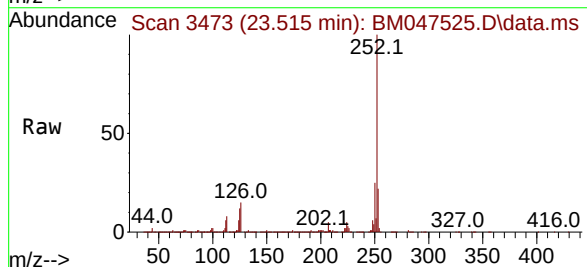
Manual Integrations
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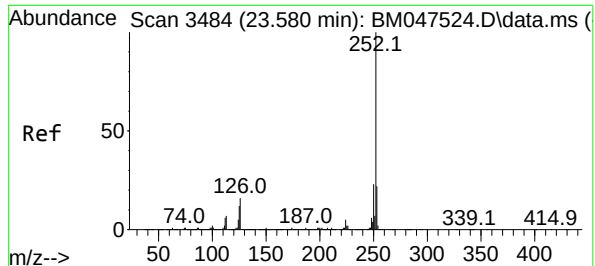
Reviewed By : Yogesh Patel 09/16/2024
Supervised By : mohammad ahmed 09/17/2024



#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# 3484

Delta R.T. 0.000 min

Lab File: BM047525.D

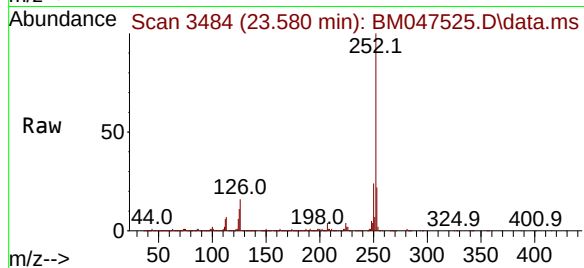
Acq: 14 Sep 2024 15:14

Instrument :

BNA_M

ClientSampleId :

SSTDICC050



Tgt Ion:252 Resp: 4380104

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

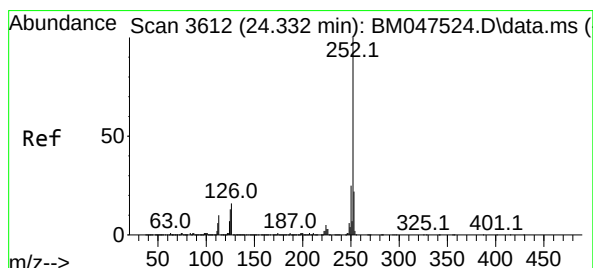
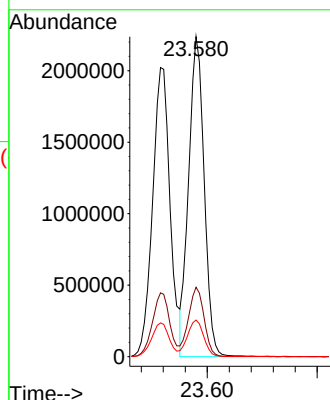
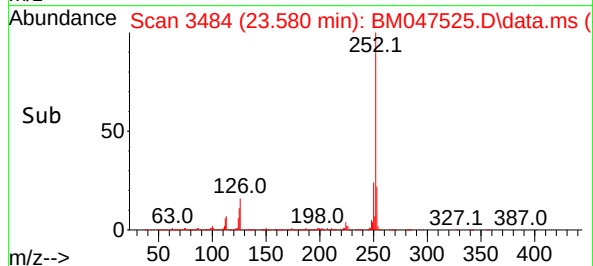
125 11.5 9.5 14.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

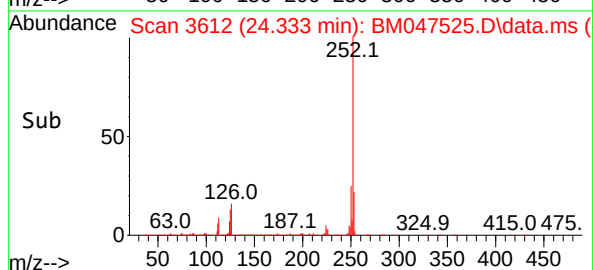
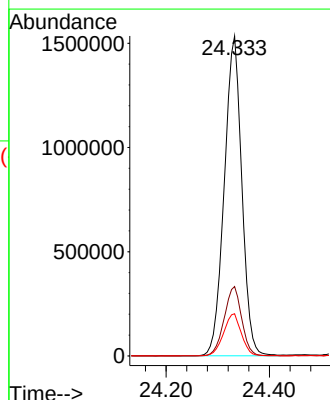
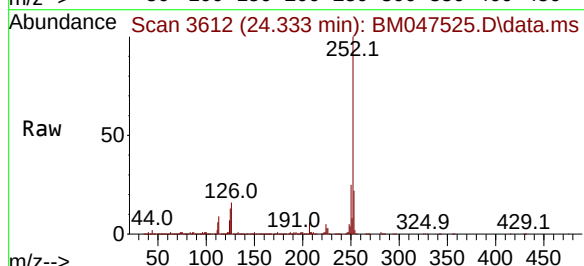
Tgt Ion:252 Resp: 3613289

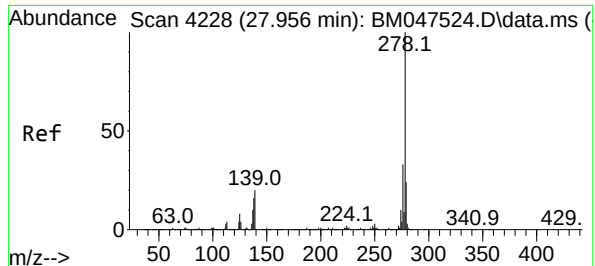
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

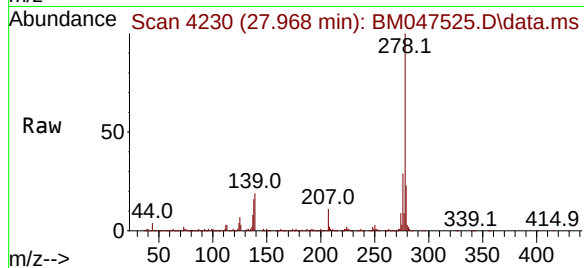
125 13.2 10.2 15.4





#91
Dibenzo(a,h)anthracene
Concen: 51.962 ng
RT: 27.968 min Scan# 41
Delta R.T. 0.012 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

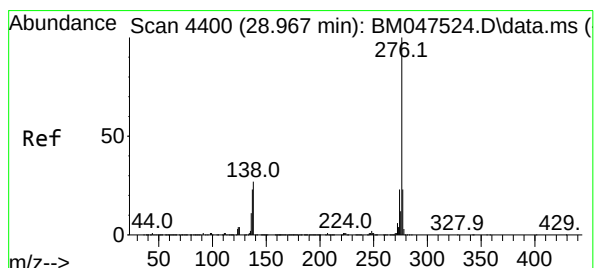
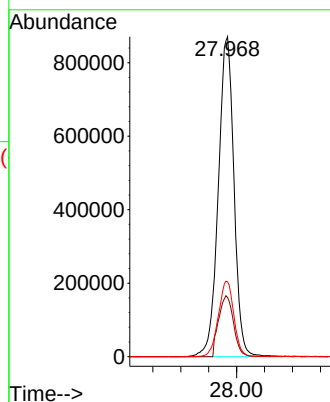
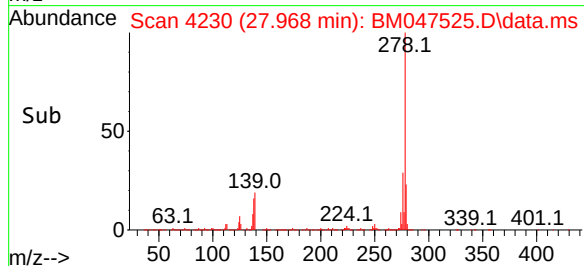
Instrument :
BNA_M
ClientSampleId :
SSTDICC050



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

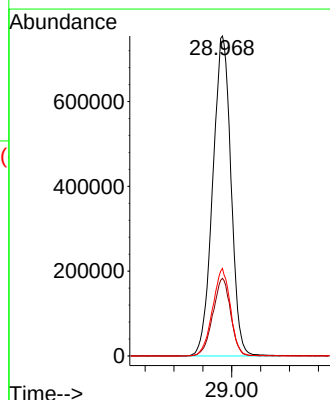
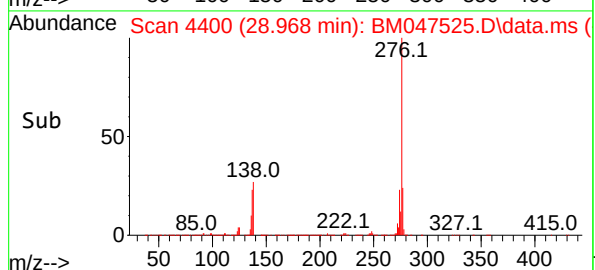
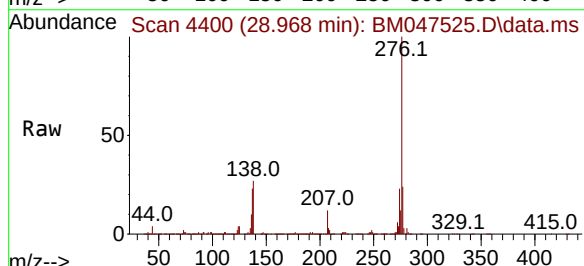
Manual Integrations
APPROVED

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



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

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

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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

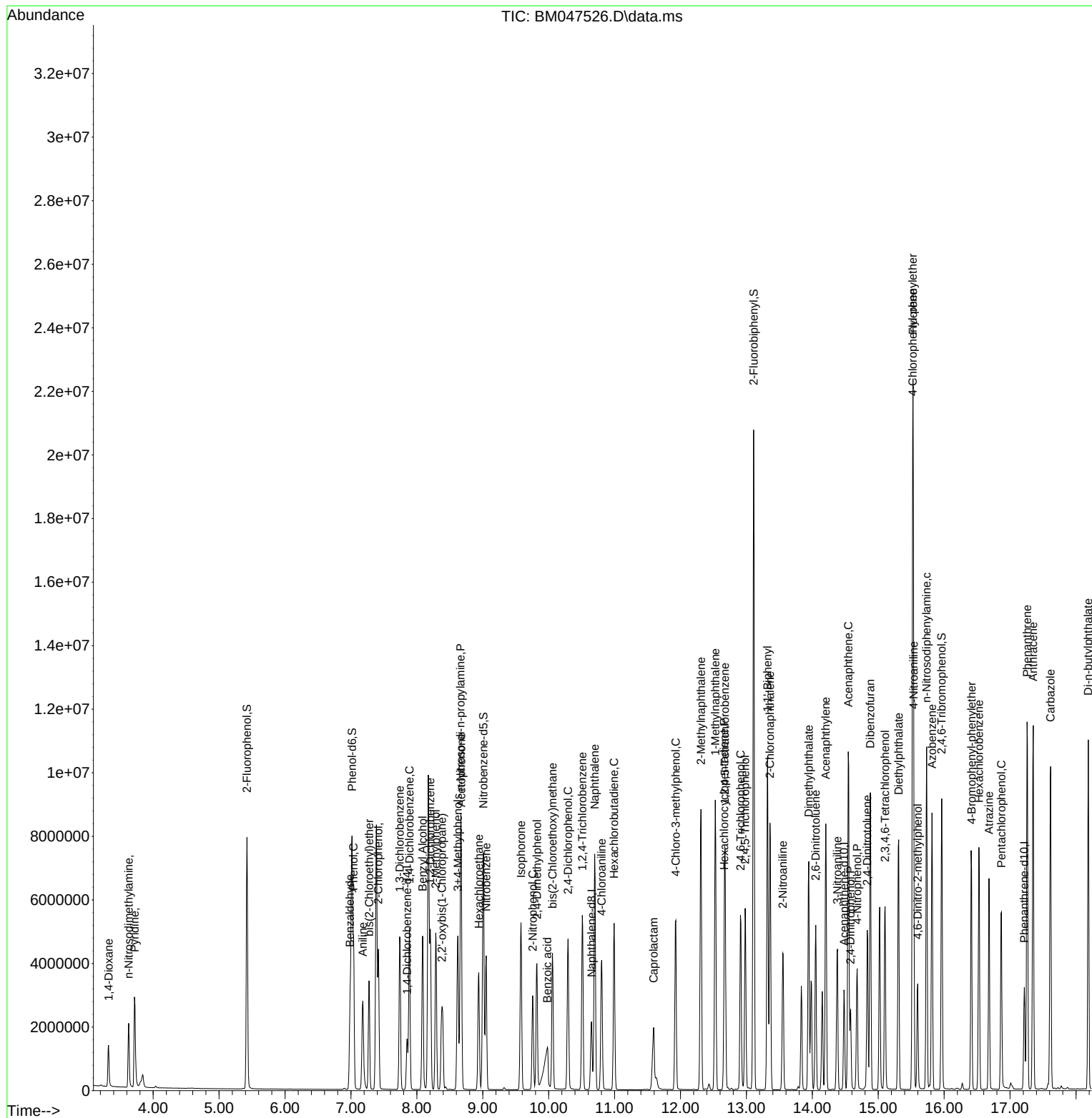
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Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 09/17/2024

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration



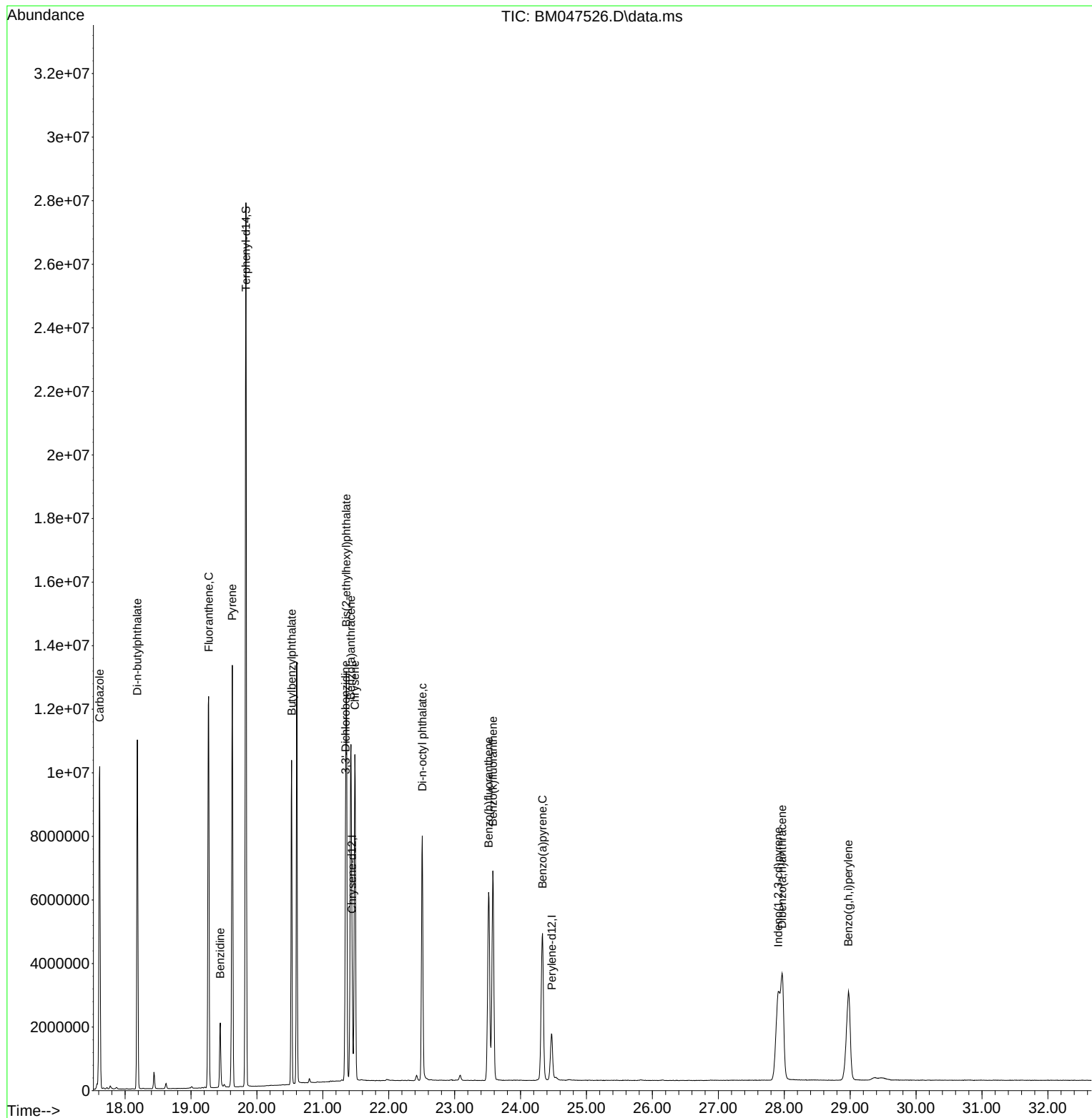
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Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
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ALS Vial : 8 Sample Multiplier: 1

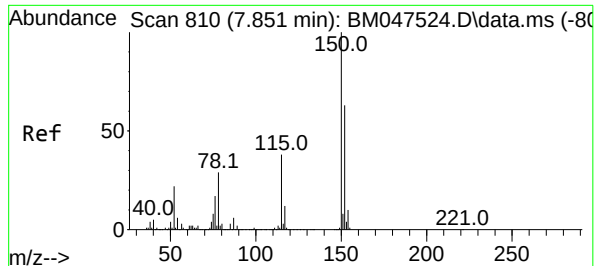
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BNA_M
ClientSampleId :
SSTDICC060

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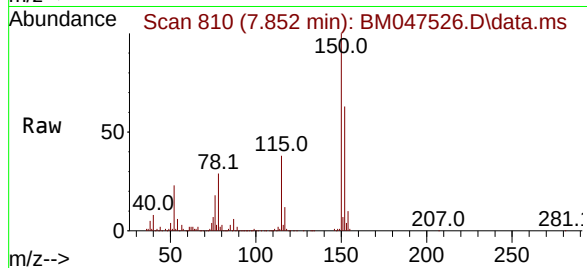
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 810
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

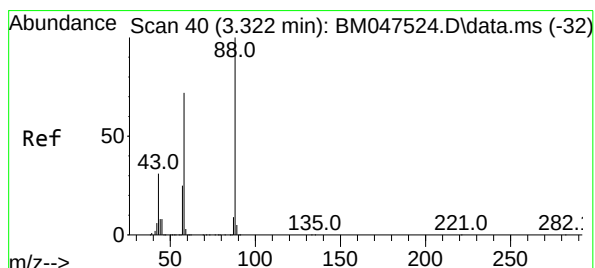
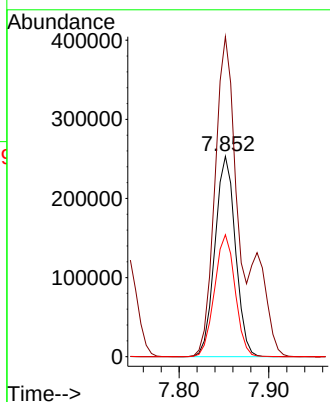
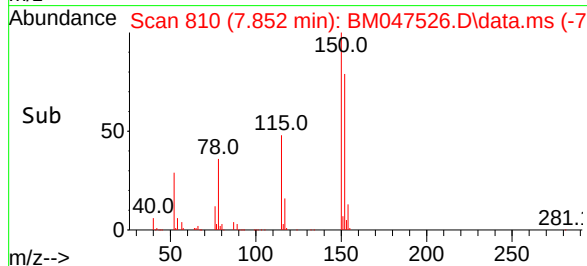
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

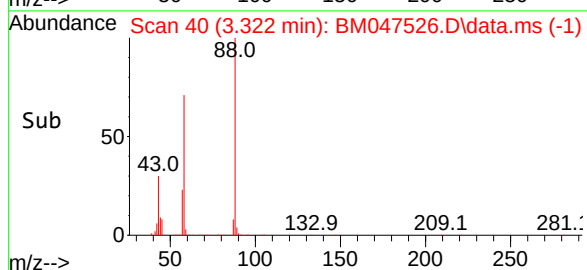
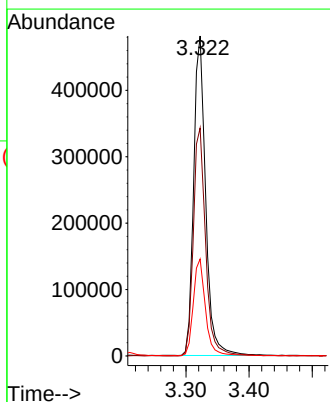
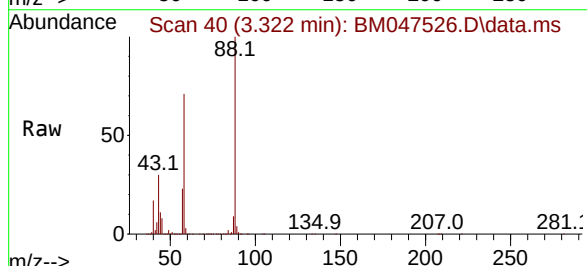
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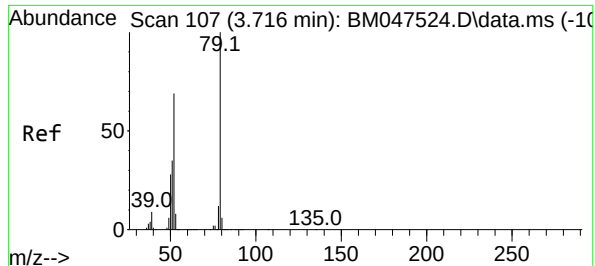
Reviewed By :Yogesh Patel 09/16/2024
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#2
1,4-Dioxane
Concen: 58.600 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

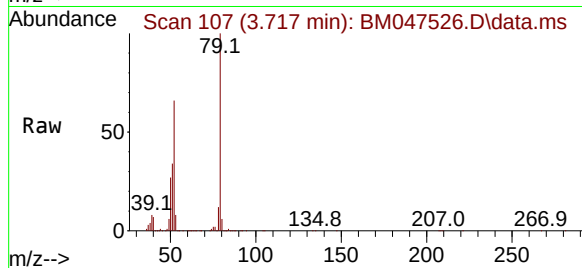
Tgt Ion: 88 Resp: 633133
Ion Ratio Lower Upper
88 100
58 73.4 59.0 88.6
43 30.7 25.0 37.4





#3
Pyridine
Concen: 60.341 ng/ml
RT: 3.717 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

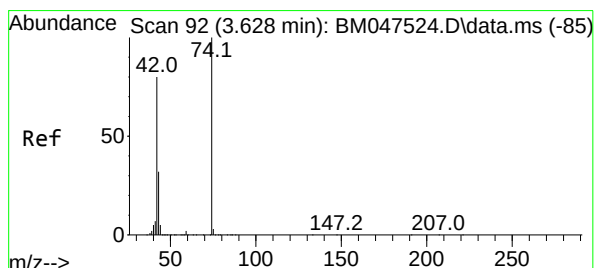
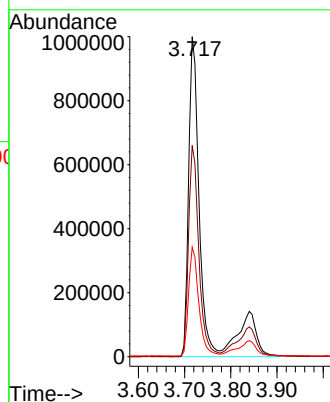
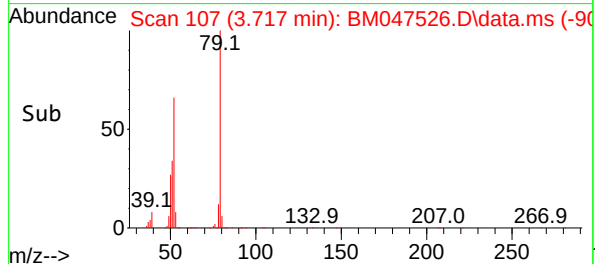
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 1940108
Ion Ratio Lower Upper
79 100
52 66.0 55.4 83.0
51 34.2 27.9 41.9

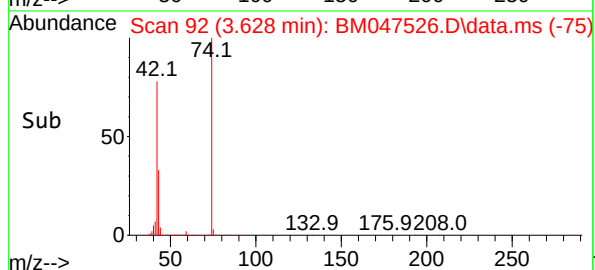
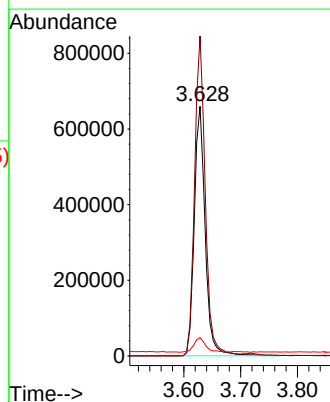
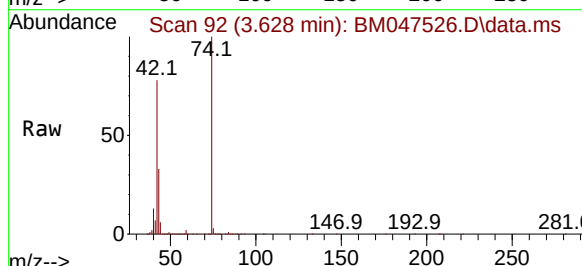
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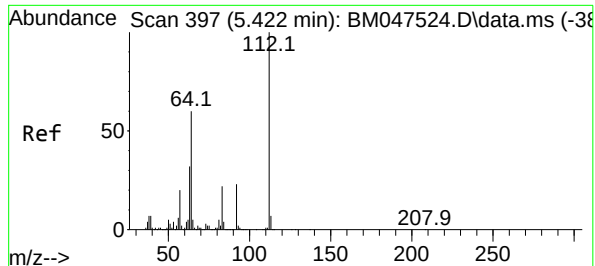
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#4
n-Nitrosodimethylamine
Concen: 60.773 ng/ml
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# 397

Delta R.T. 0.000 min

Lab File: BM047526.D

Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:112 Resp: 320803

Ion Ratio Lower Upper

112 100

64 57.6 48.2 72.4

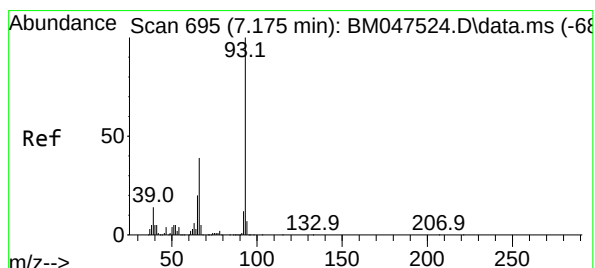
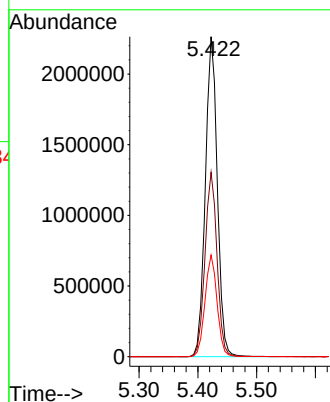
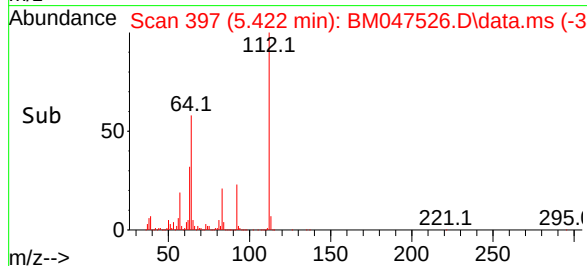
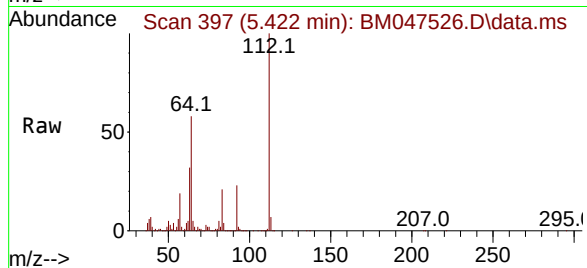
63 31.8 26.0 39.0

Manual Integrations

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#6

Aniline

Concen: 61.416 ng

RT: 7.181 min Scan# 696

Delta R.T. 0.006 min

Lab File: BM047526.D

Acq: 14 Sep 2024 15:54

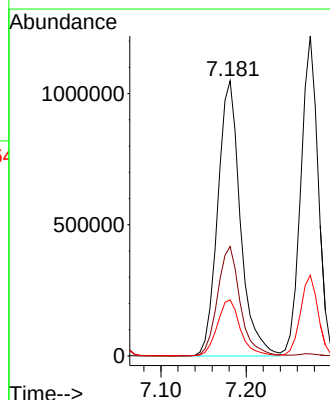
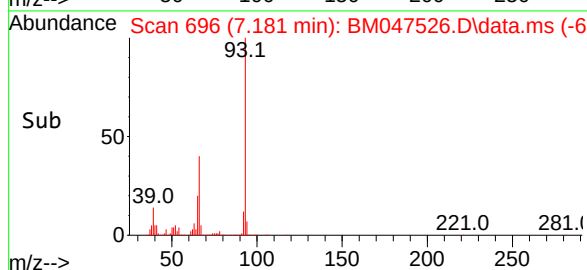
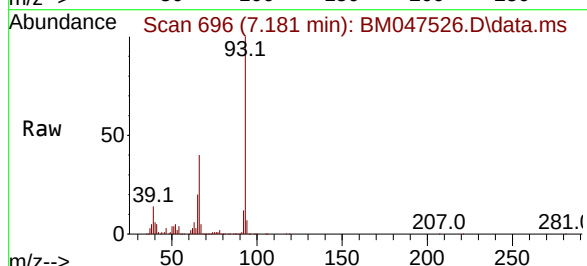
Tgt Ion: 93 Resp: 1934266

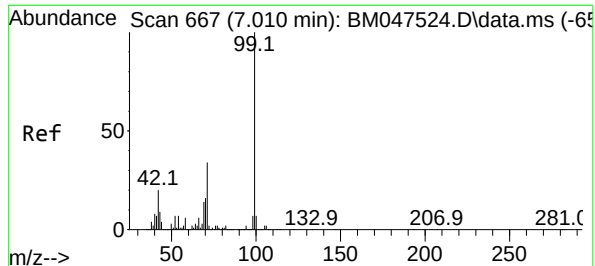
Ion Ratio Lower Upper

93 100

66 39.8 31.4 47.0

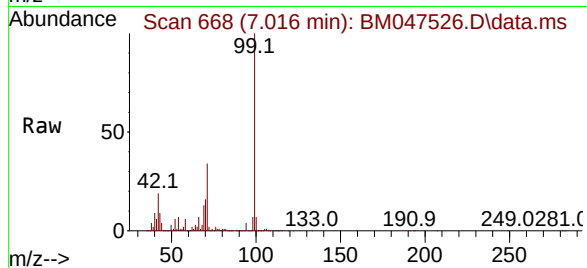
65 20.4 16.3 24.5





#7
Phenol-d6
Concen: 128.919 ng
RT: 7.016 min Scan# 667
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

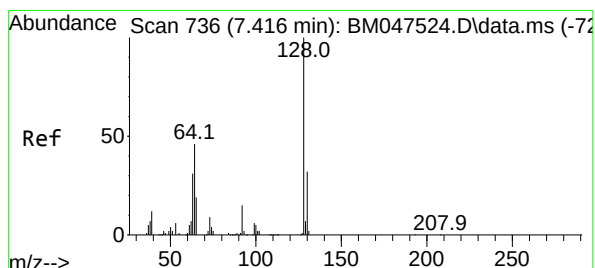
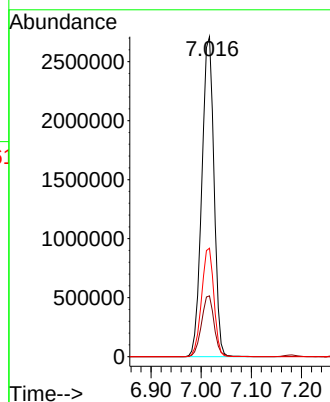
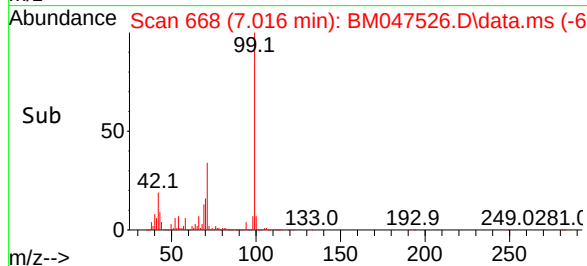
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 4579779
Ion Ratio Lower Upper
99 100
42 19.0 15.8 23.8
71 33.9 27.6 41.4

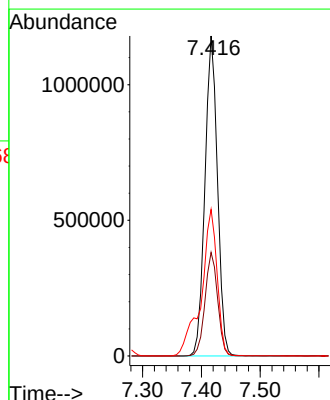
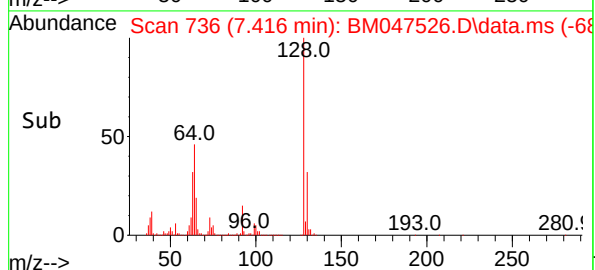
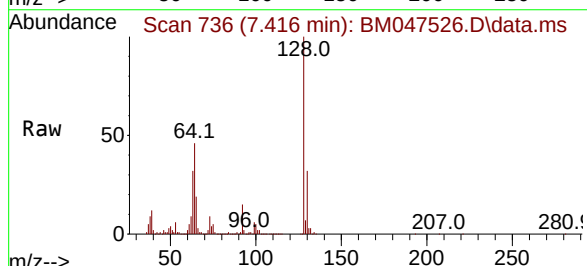
Manual Integrations
APPROVED

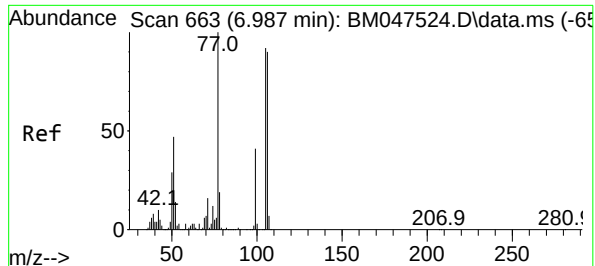
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 663

Delta R.T. 0.000 min

Lab File: BM047526.D

Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 888135

Ion Ratio Lower Upper

77 100

105 91.6 71.8 111.8

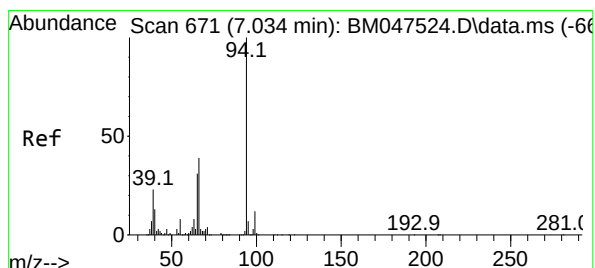
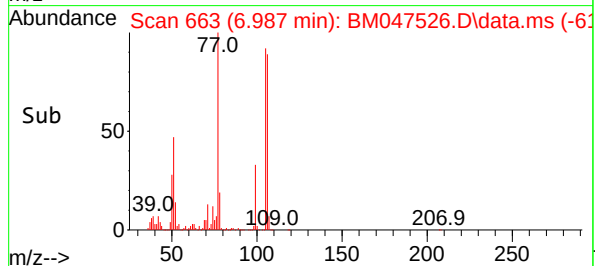
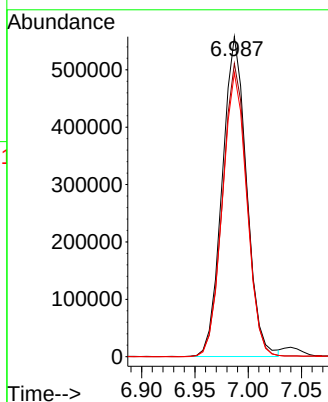
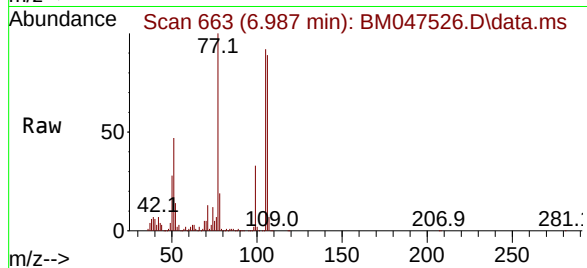
106 88.7 69.7 109.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

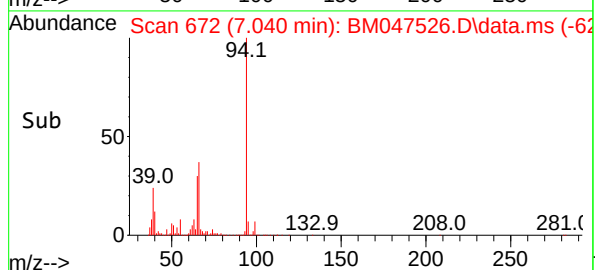
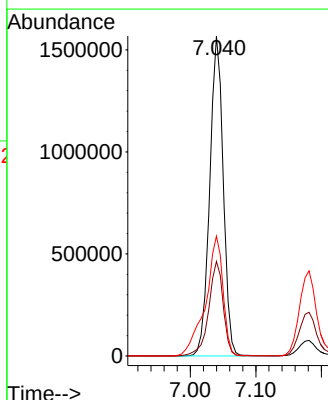
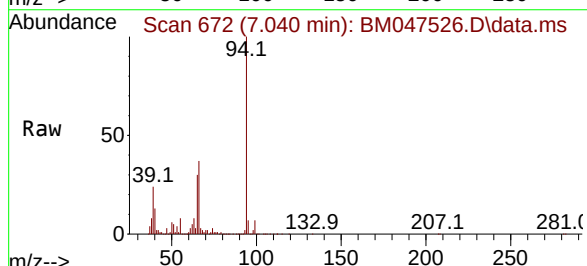
Tgt Ion: 94 Resp: 2252760

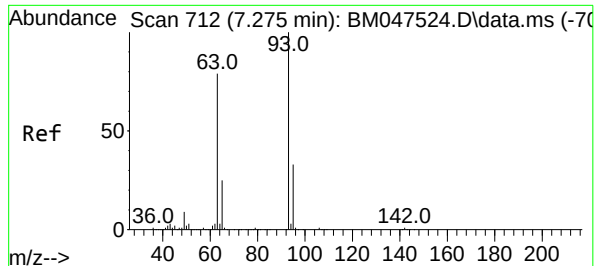
Ion Ratio Lower Upper

94 100

65 29.6 10.8 50.8

66 37.4 19.2 59.2





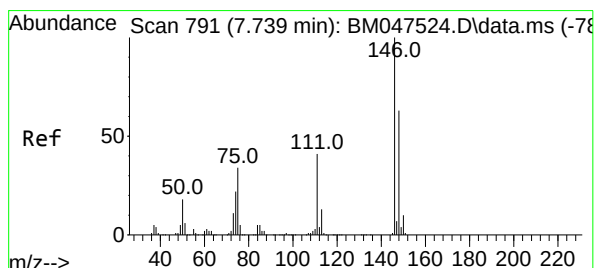
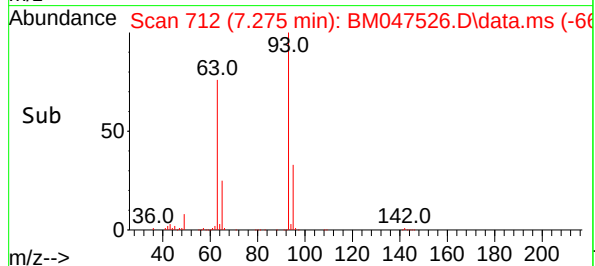
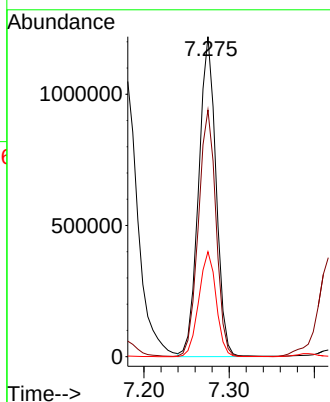
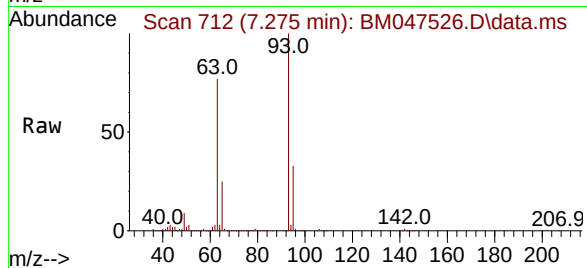
#11
bis(2-Chloroethyl)ether
Concen: 60.591 ng
RT: 7.275 min Scan# 712
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1730259
Ion Ratio Lower Upper
93 100
63 77.1 58.2 98.2
95 32.8 12.8 52.8

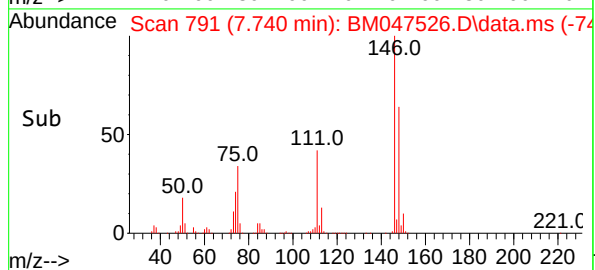
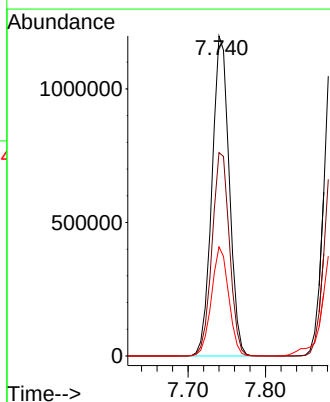
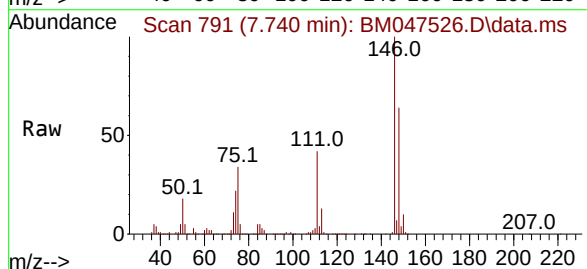
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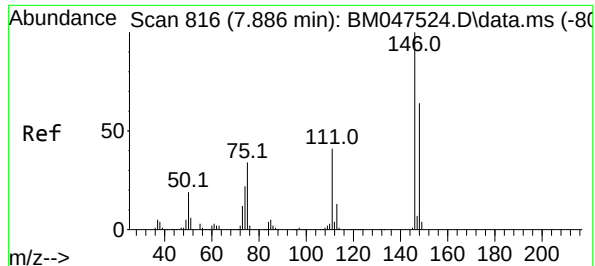
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 816

Delta R.T. 0.000 min

Lab File: BM047526.D

Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 189214

Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

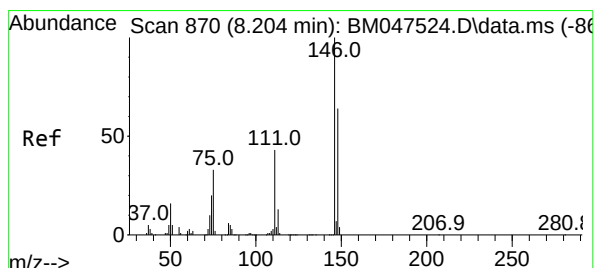
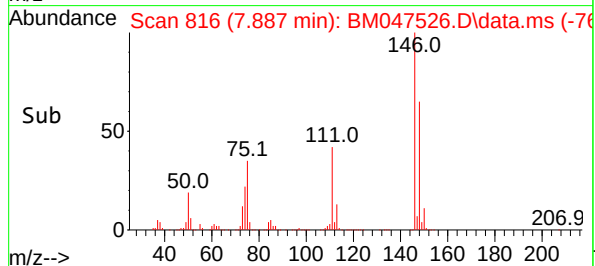
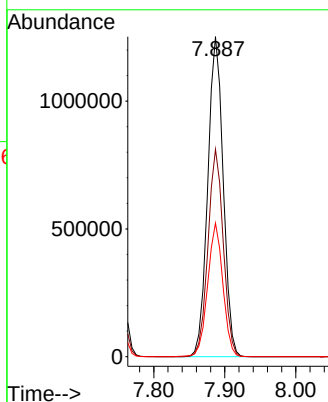
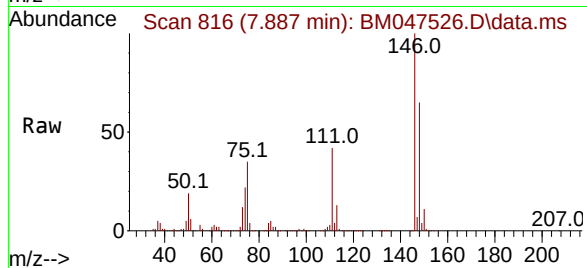
111 41.8 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

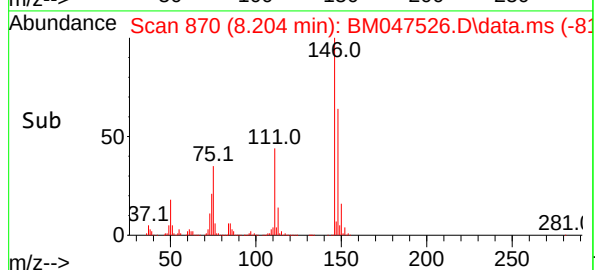
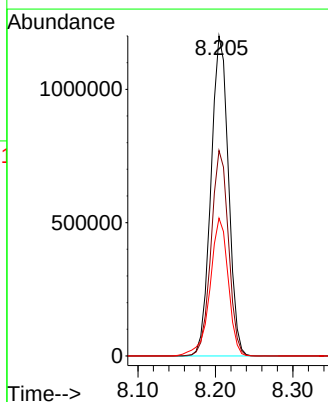
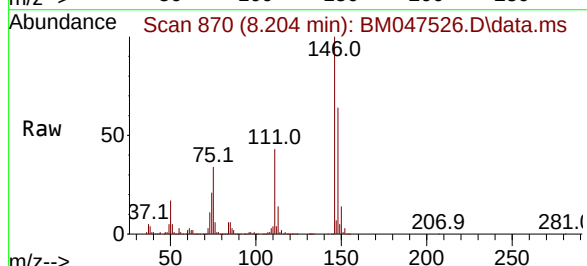
Tgt Ion:146 Resp: 1877483

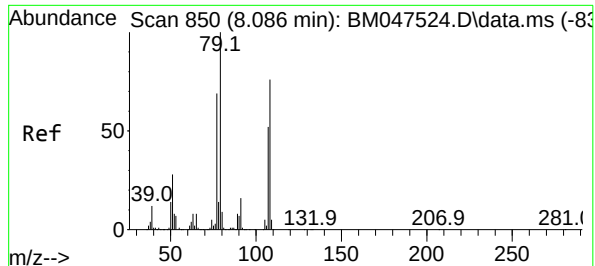
Ion Ratio Lower Upper

146 100

148 64.2 51.1 76.7

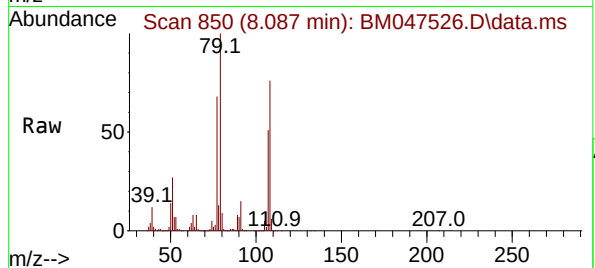
111 43.0 34.7 52.1





#15
Benzyl Alcohol
Concen: 63.643 ng
RT: 8.087 min Scan# 850
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

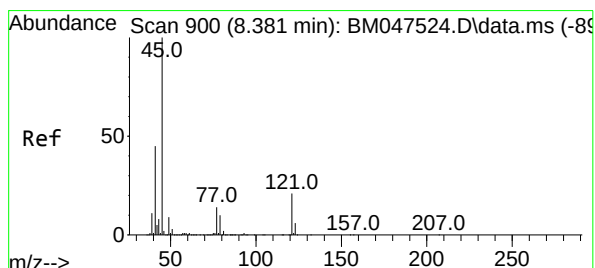
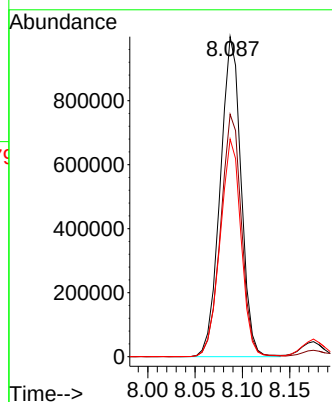
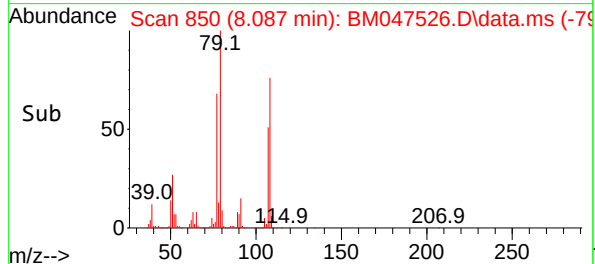
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 153145
Ion Ratio Lower Upper
79 100
108 75.7 60.6 91.0
77 68.0 55.0 82.4

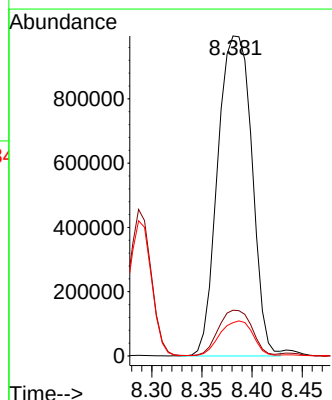
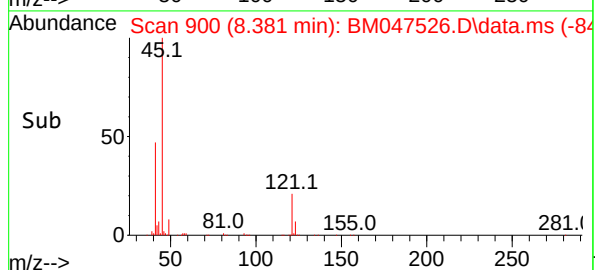
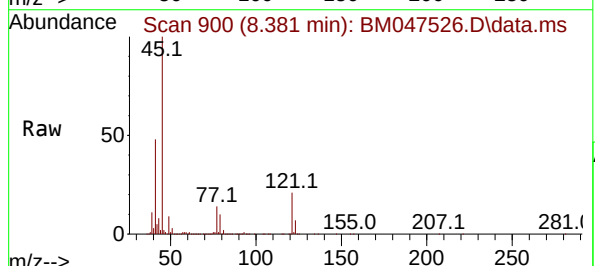
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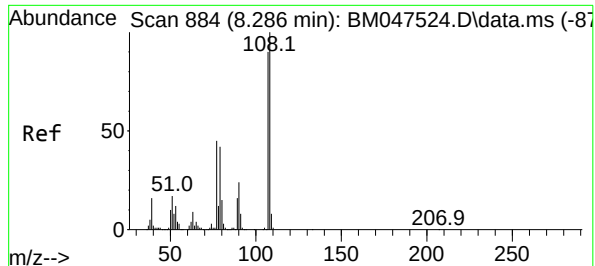
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

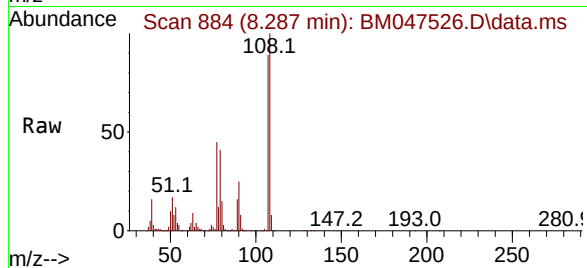
Tgt Ion: 45 Resp: 2358074
Ion Ratio Lower Upper
45 100
77 14.3 0.0 33.7
79 10.4 0.0 30.3





#17
2-Methylphenol
Concen: 62.911 ng
RT: 8.287 min Scan# 884
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

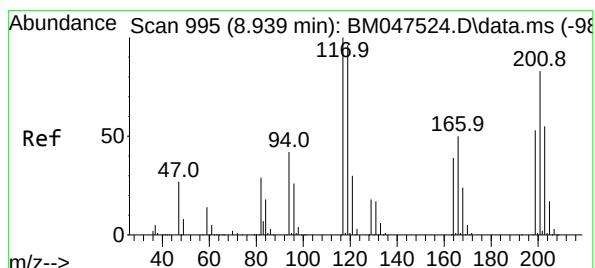
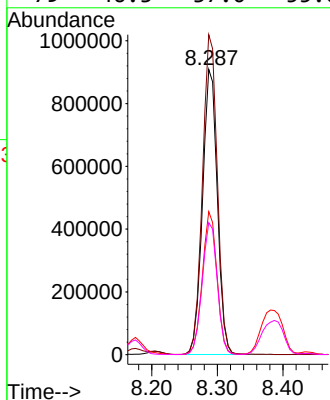
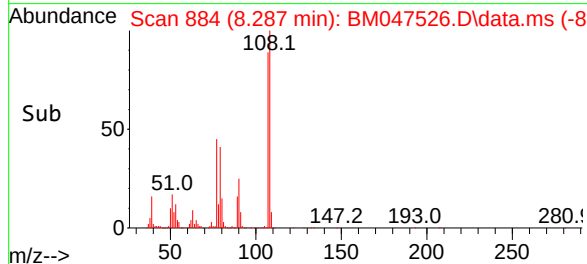
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



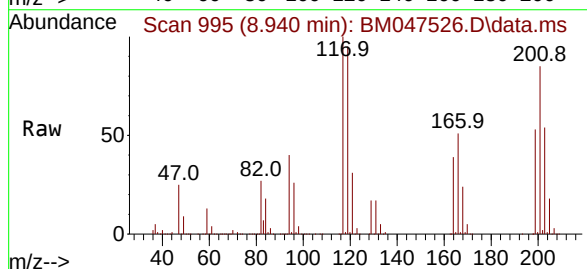
Tgt Ion:107 Resp: 142955
Ion Ratio Lower Upper
107 100
108 112.2 88.9 133.3
77 50.2 39.8 59.8
79 46.3 37.0 55.6

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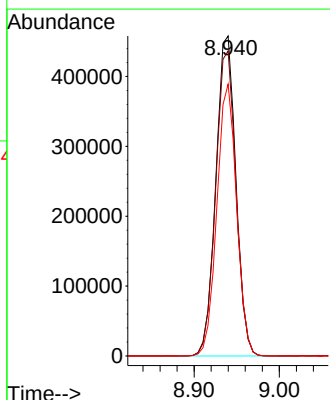
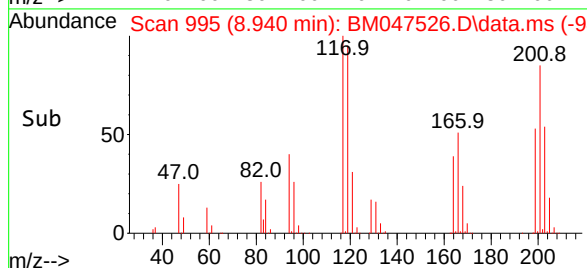
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

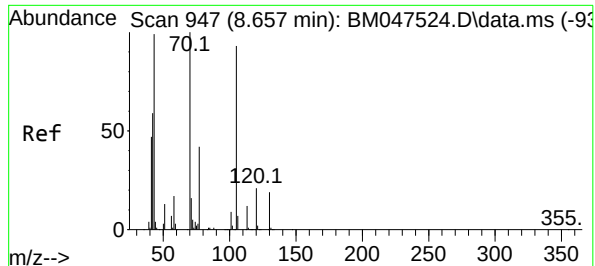


#18
Hexachloroethane
Concen: 60.522 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54



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

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 1491219

Ion Ratio Lower Upper

70 100

42 58.2 48.2 72.2

101 9.2 7.0 10.4

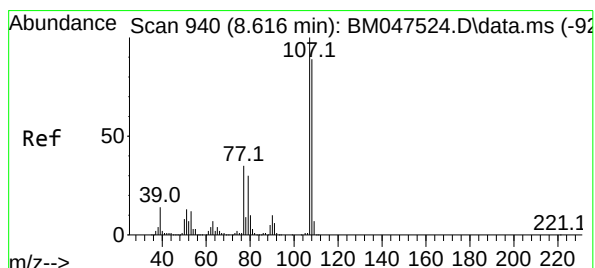
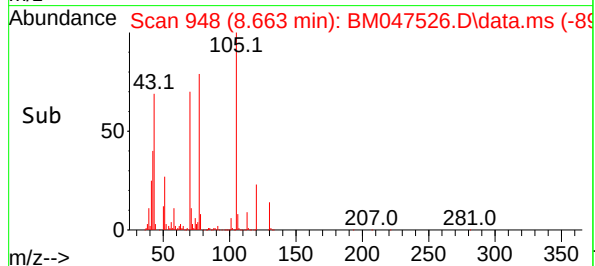
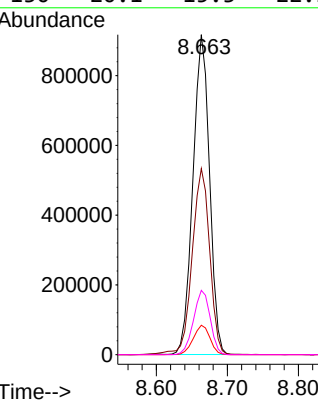
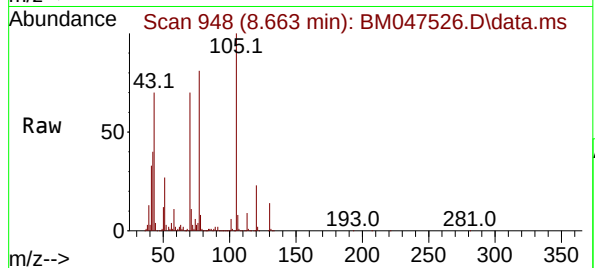
130 20.1 15.3 22.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

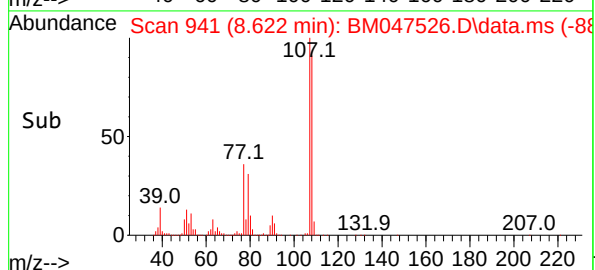
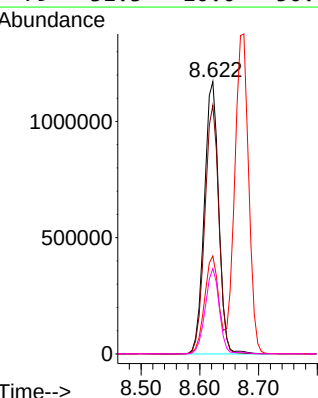
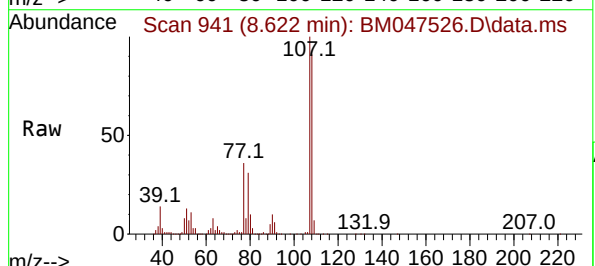
Ion Ratio Lower Upper

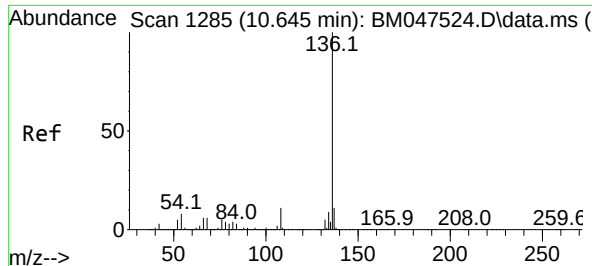
107 100

108 91.3 68.9 108.9

77 36.0 15.5 55.5

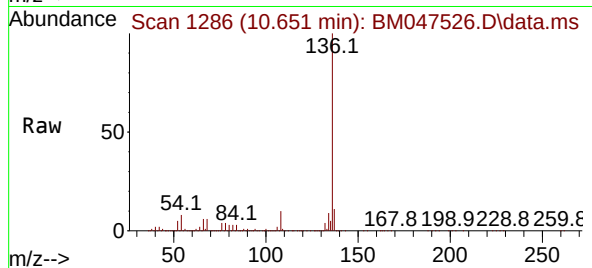
79 31.3 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

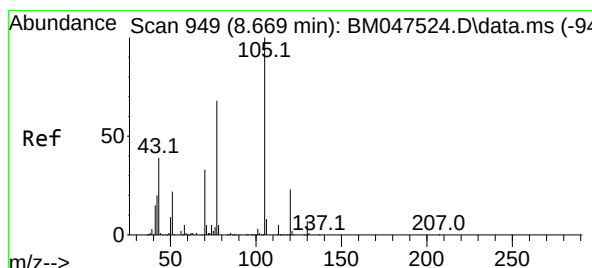
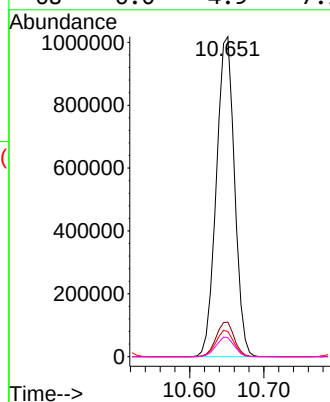
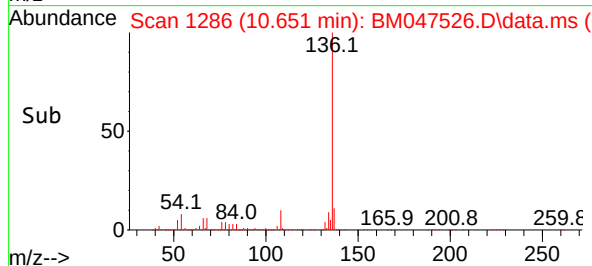
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 1736528
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

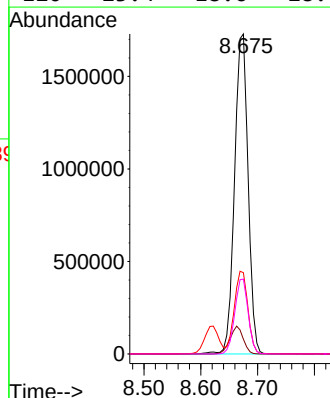
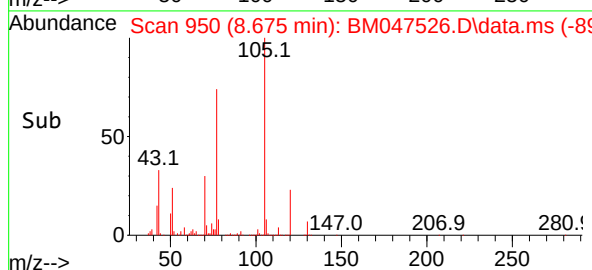
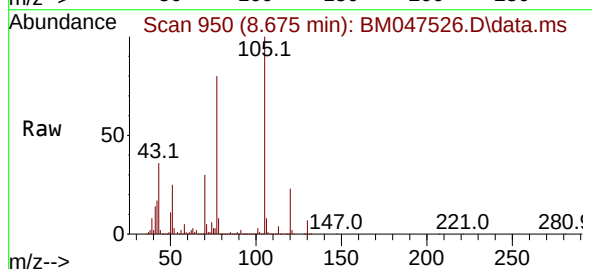
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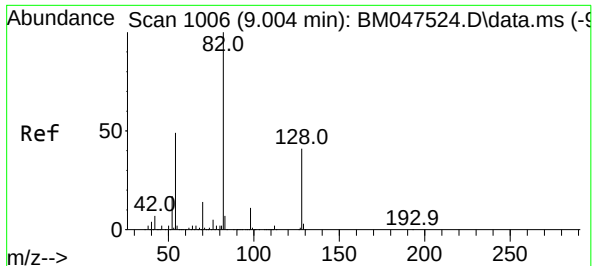
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

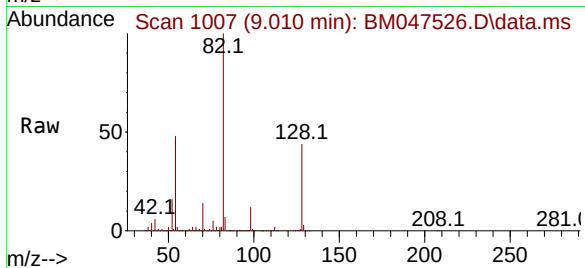
Tgt Ion:105 Resp: 2855264
Ion Ratio Lower Upper
105 100
71 4.6 4.3 6.5
51 25.4 21.5 32.3
120 23.4 18.6 28.0





#23
Nitrobenzene-d5
Concen: 125.215 ng
RT: 9.010 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

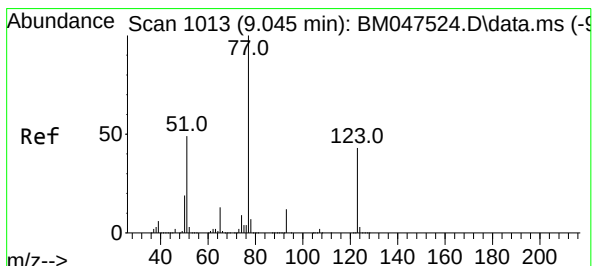
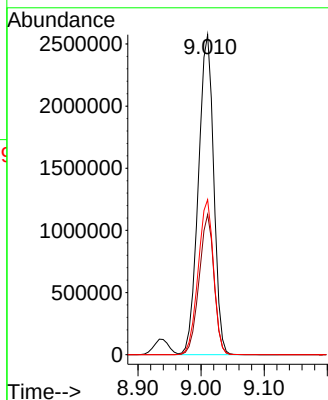
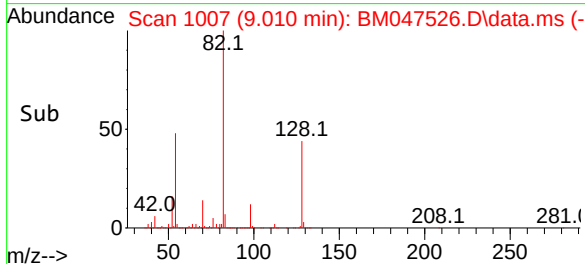
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

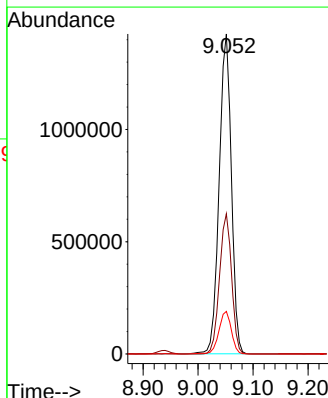
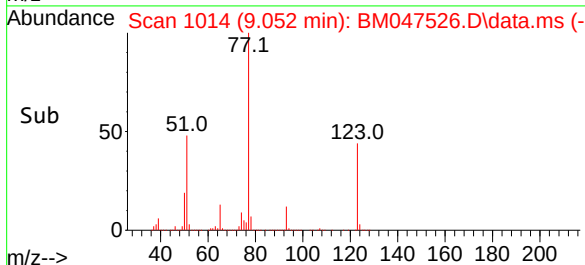
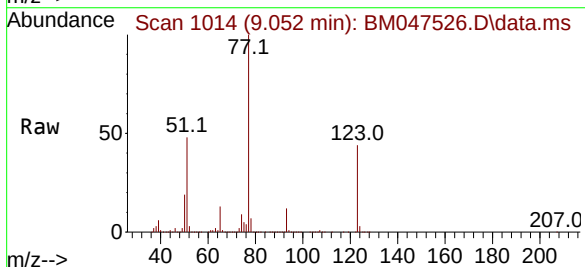
Manual Integrations
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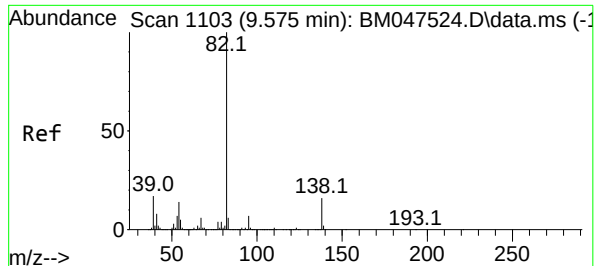
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

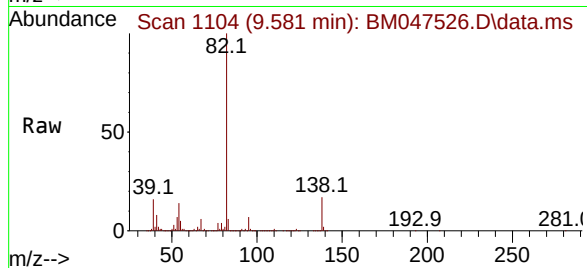
Tgt Ion: 77 Resp: 2188384
Ion Ratio Lower Upper
77 100
123 43.8 34.5 51.7
65 13.3 10.7 16.1





#25
Isophorone
Concen: 61.849 ng
RT: 9.581 min Scan# 1104
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

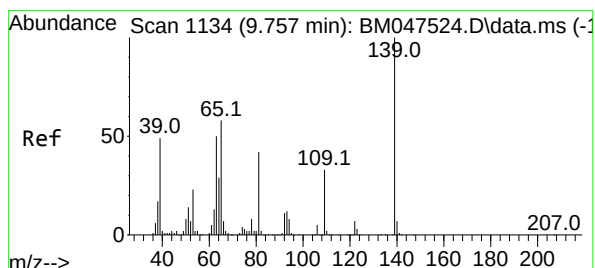
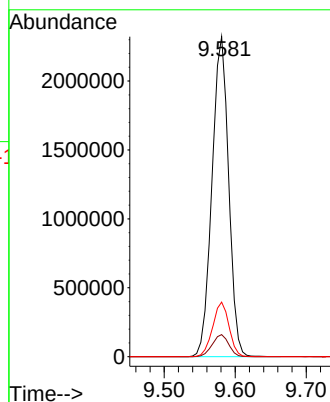
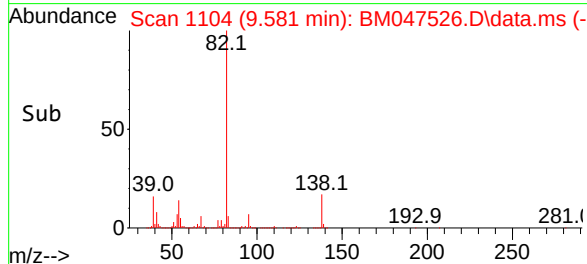
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

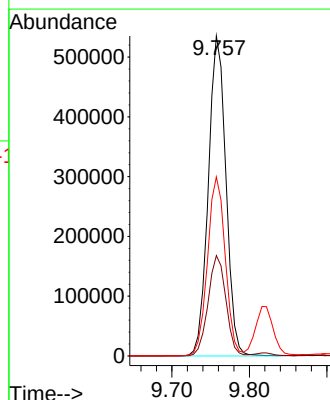
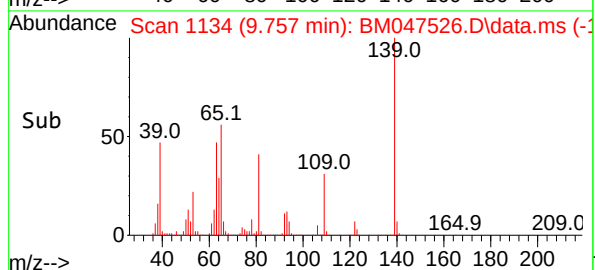
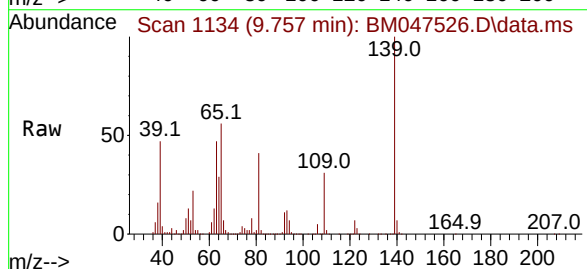
Manual Integrations
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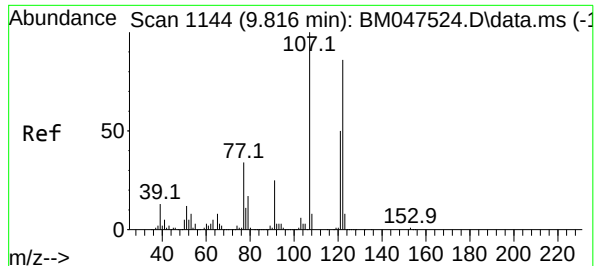
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

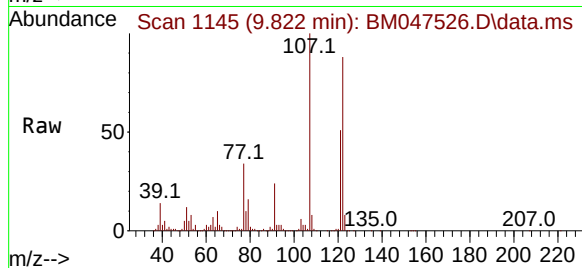
Tgt Ion:139 Resp: 845610
Ion Ratio Lower Upper
139 100
109 31.4 26.0 39.0
65 55.9 46.2 69.4





#27
2,4-Dimethylphenol
Concen: 62.697 ng
RT: 9.822 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

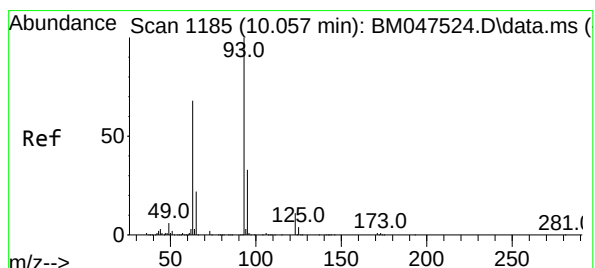
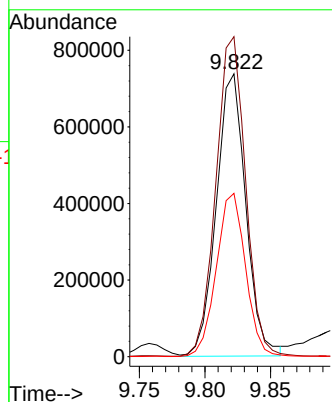
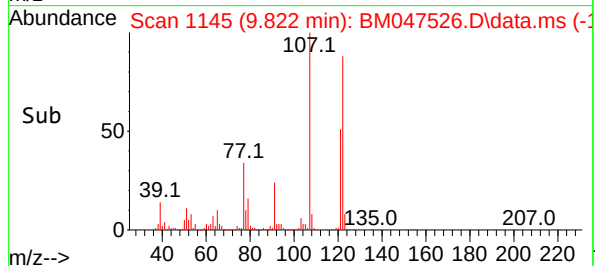
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:122 Resp: 1154750
Ion Ratio Lower Upper
122 100
107 113.1 92.4 138.6
121 57.7 46.2 69.4

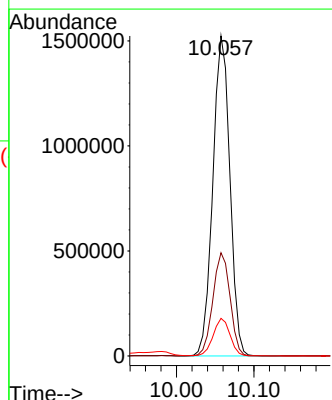
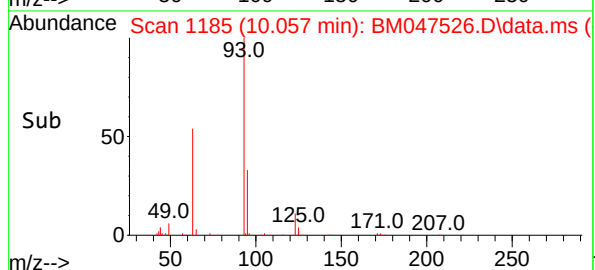
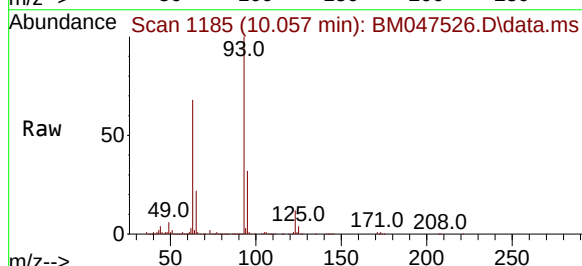
Manual Integrations
APPROVED

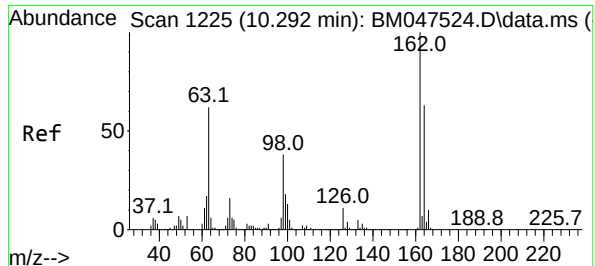
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1225

Delta R.T. 0.000 min

Lab File: BM047526.D

Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 152143

Ion Ratio Lower Upper

162 100

164 64.2 43.5 83.5

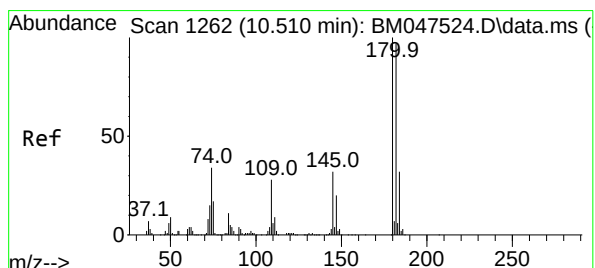
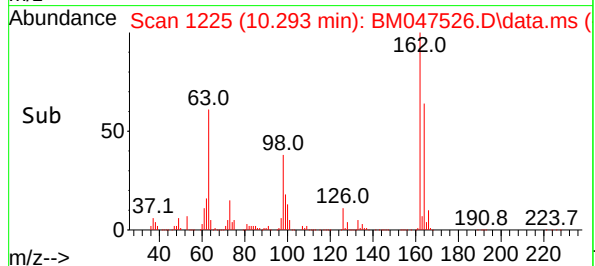
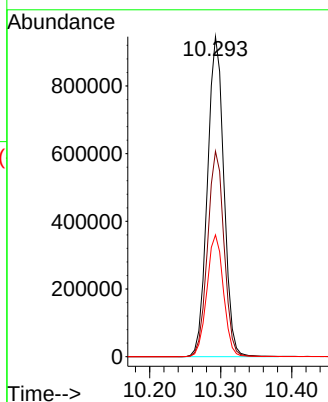
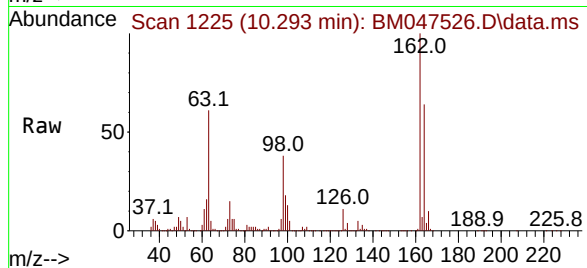
98 38.1 17.6 57.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

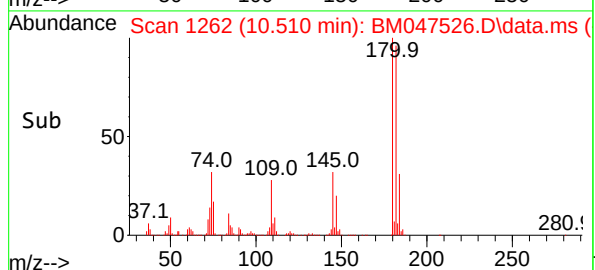
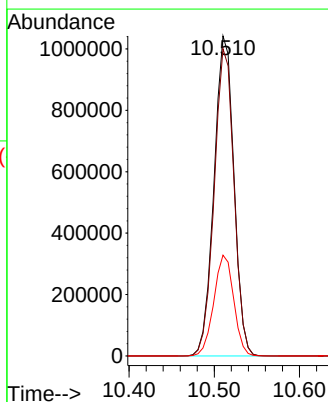
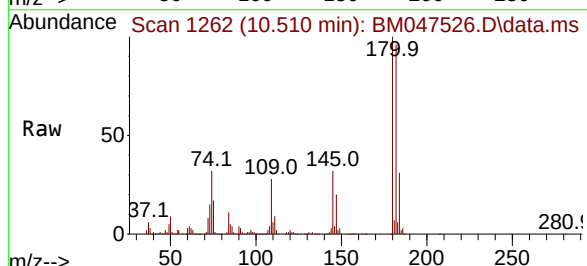
Tgt Ion:180 Resp: 1688520

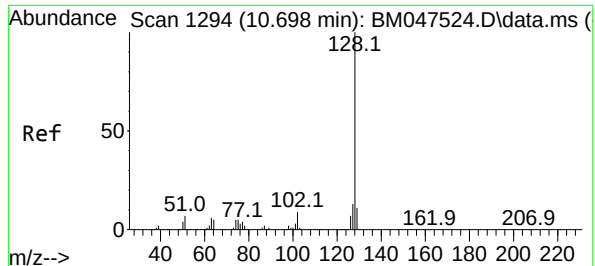
Ion Ratio Lower Upper

180 100

182 96.0 77.6 116.4

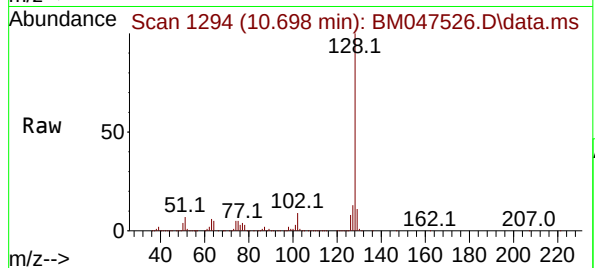
145 31.5 25.4 38.0





#31
Naphthalene
Concen: 62.302 ng
RT: 10.698 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

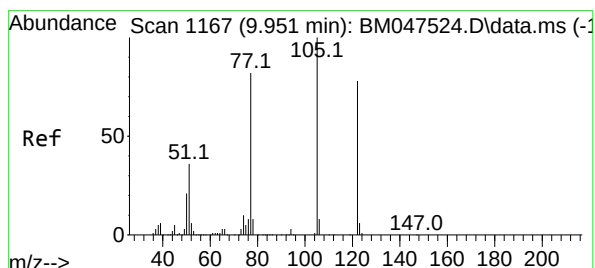
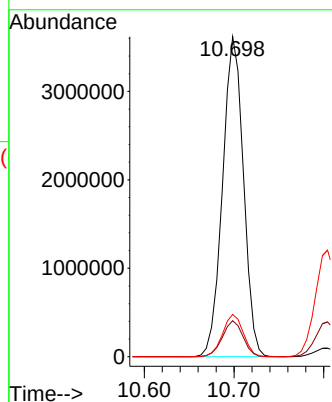
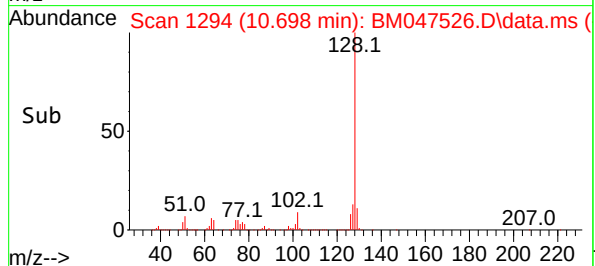
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 5843030
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.2 10.5 15.7

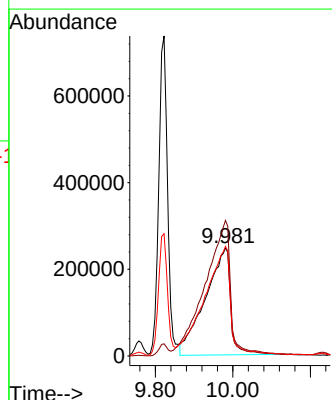
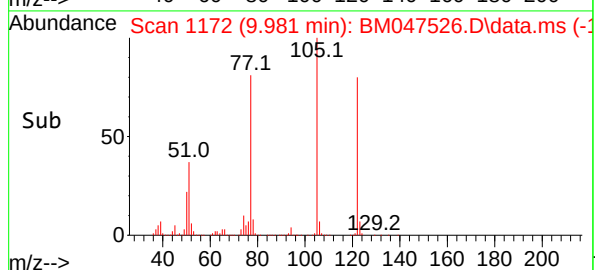
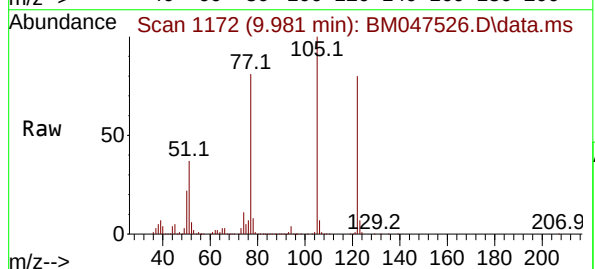
Manual Integrations
APPROVED

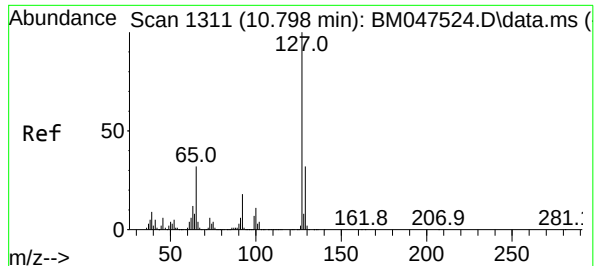
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

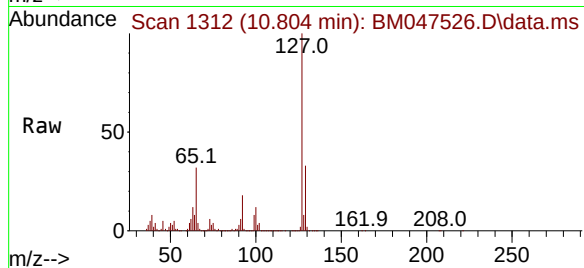
Tgt Ion:122 Resp: 1116767
Ion Ratio Lower Upper
122 100
105 125.5 104.7 144.7
77 101.3 83.4 123.4





#33
4-Chloroaniline
Concen: 61.507 ng
RT: 10.804 min Scan# 1312
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

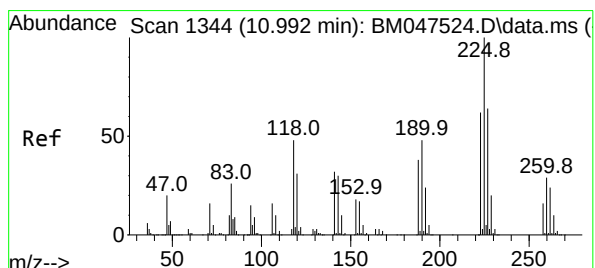
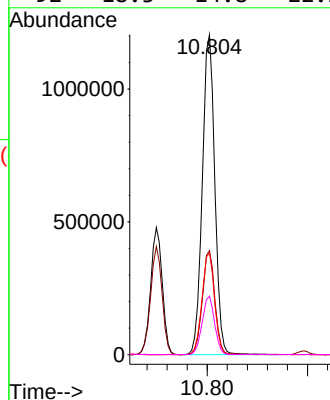
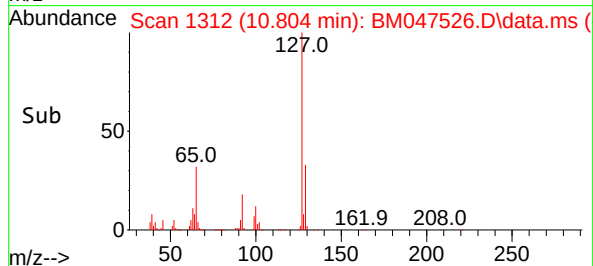
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



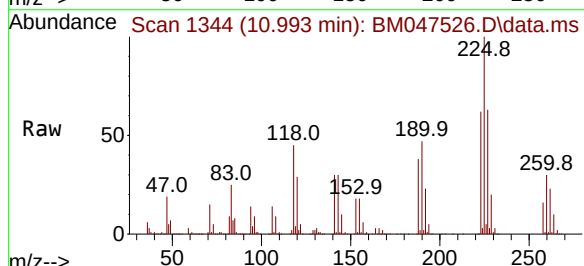
Tgt Ion:127 Resp: 2085649
Ion Ratio Lower Upper
127 100
129 32.5 25.4 38.0
65 31.9 25.5 38.3
92 18.3 14.8 22.2

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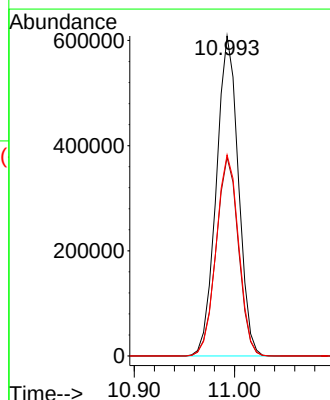
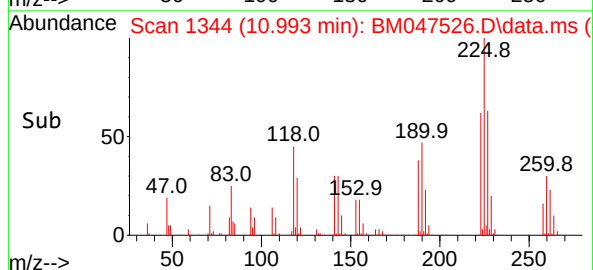
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

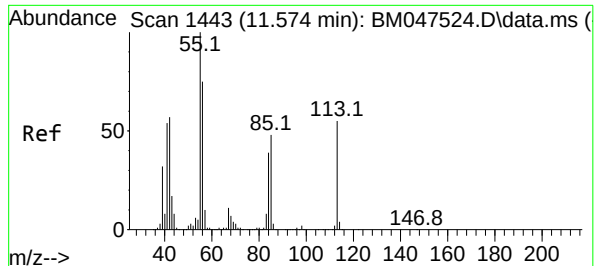


#34
Hexachlorobutadiene
Concen: 62.620 ng
RT: 10.993 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54



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

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:113 Resp: 487840

Ion Ratio Lower Upper

113 100

55 178.6 162.5 202.5

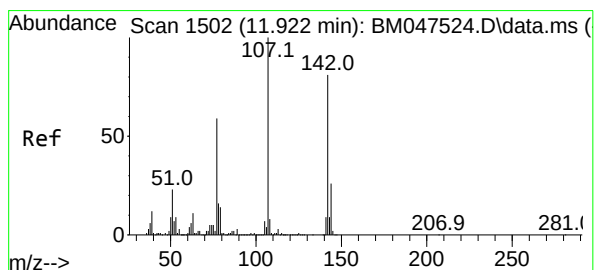
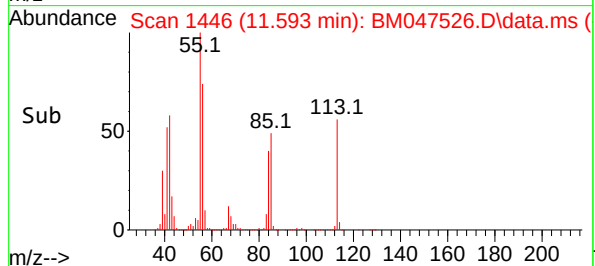
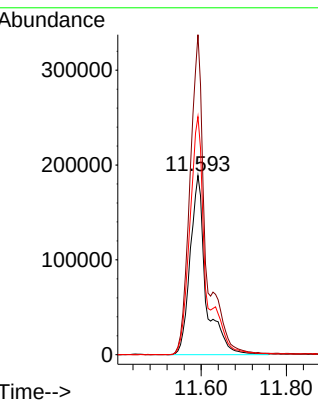
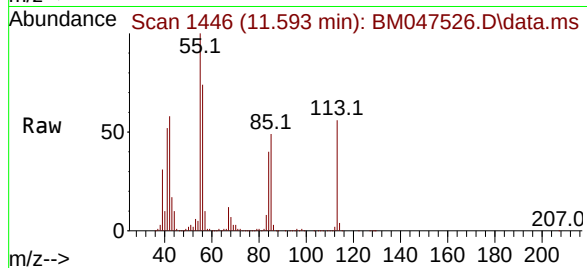
56 132.8 116.5 156.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

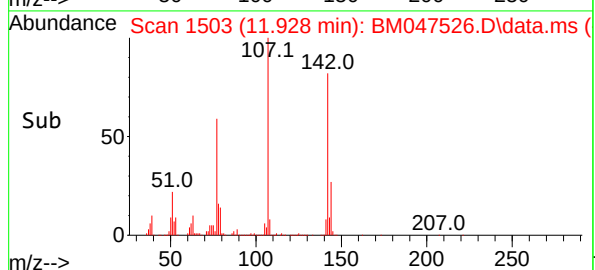
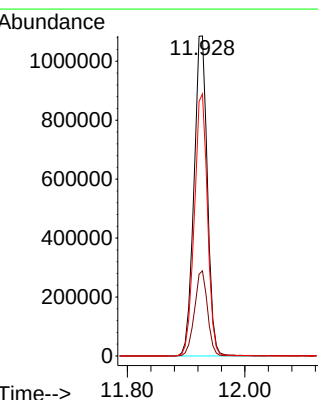
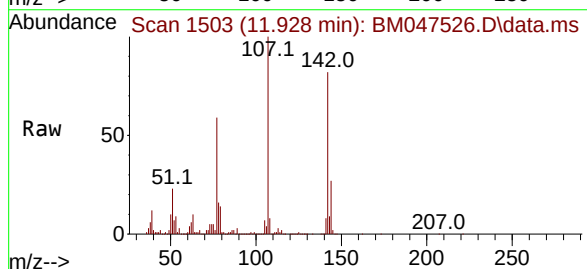
Tgt Ion:107 Resp: 1715963

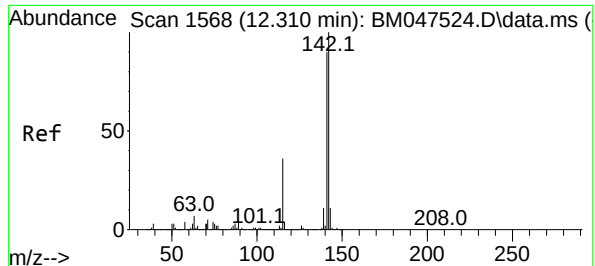
Ion Ratio Lower Upper

107 100

144 26.6 20.5 30.7

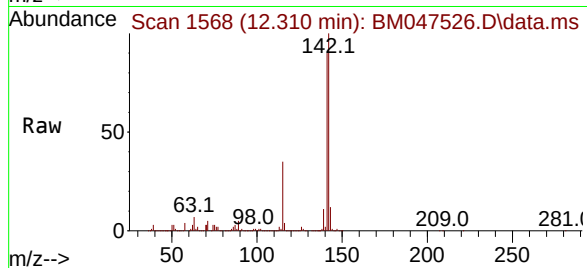
142 81.9 65.0 97.4





#37
2-Methylnaphthalene
Concen: 63.530 ng
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

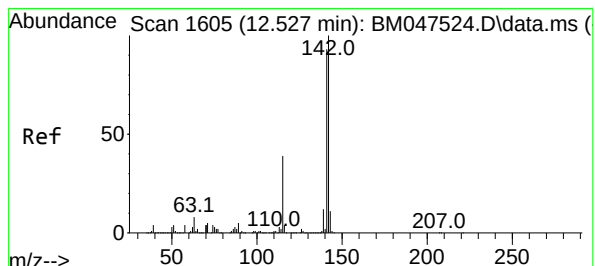
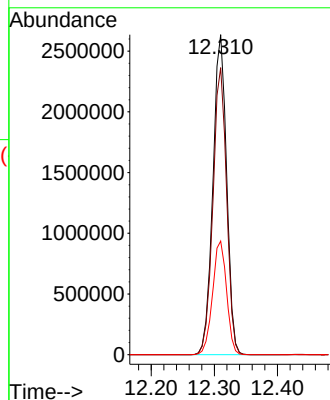
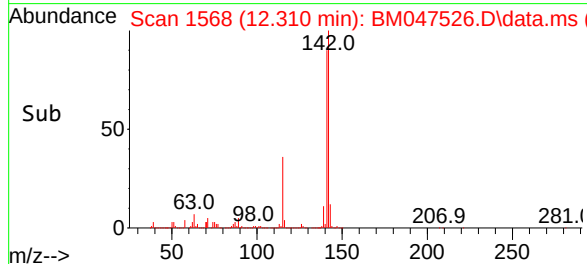
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

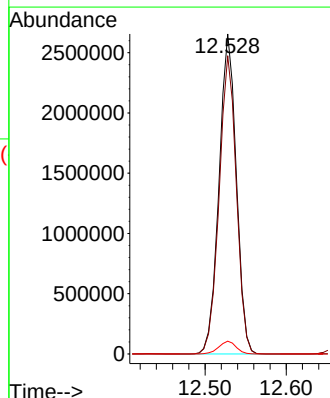
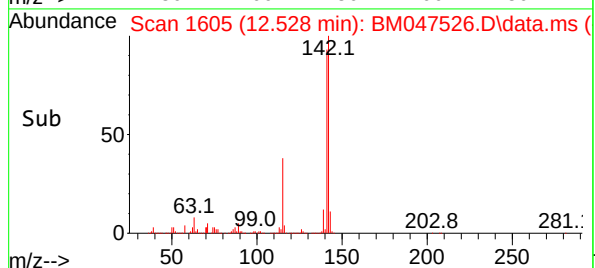
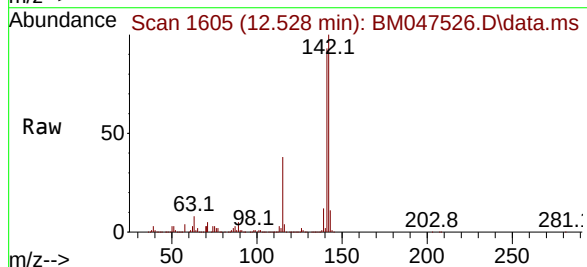
Manual Integrations
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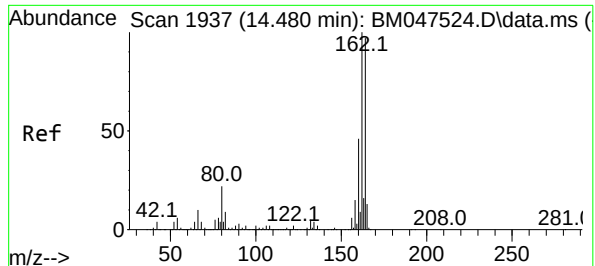
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1937

Delta R.T. 0.001 min

Lab File: BM047526.D

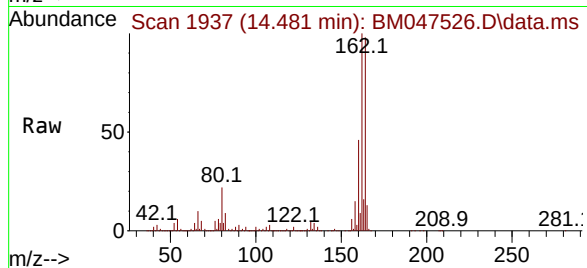
Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 989132

Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.2

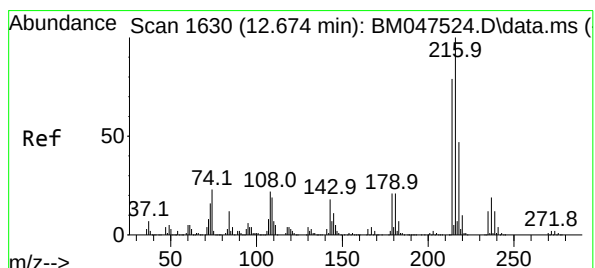
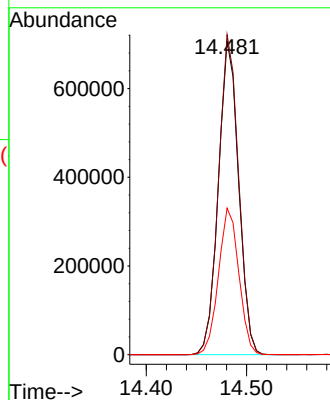
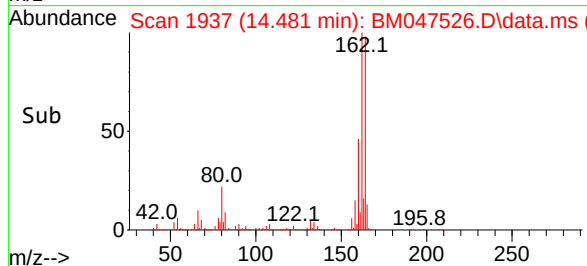
160 46.8 38.2 57.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#40

1,2,4,5-Tetrachlorobenzene

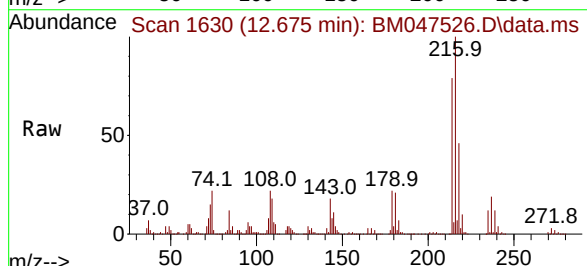
Concen: 65.522 ng

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

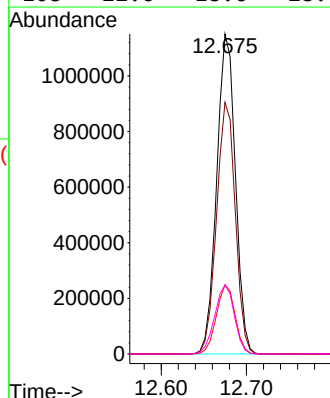
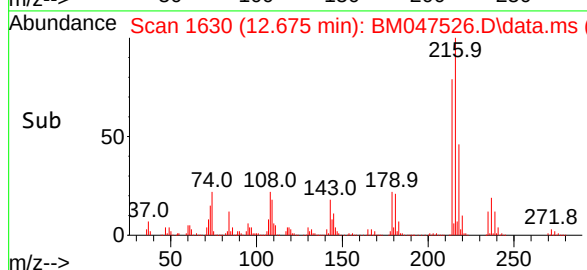
Ion Ratio Lower Upper

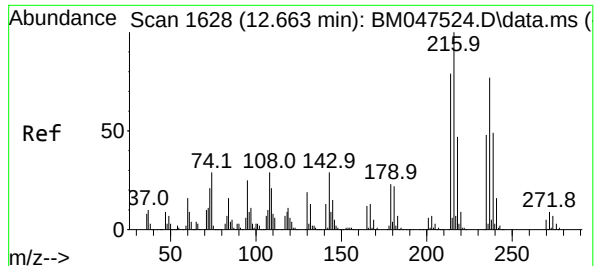
216 100

214 78.9 63.0 94.6

179 21.7 17.5 26.3

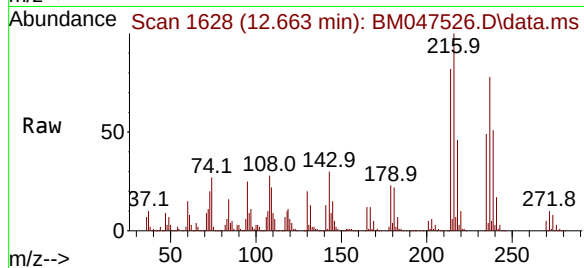
108 22.6 18.6 28.0





#41
Hexachlorocyclopentadiene
Concen: 65.800 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

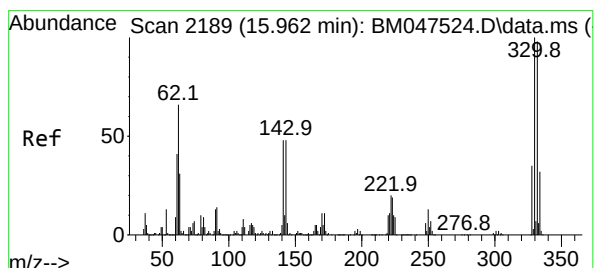
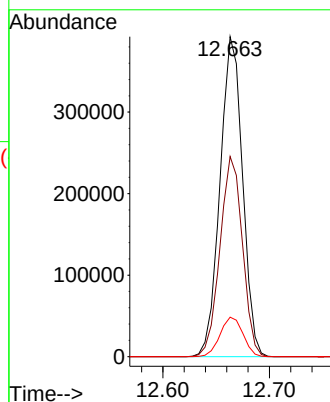
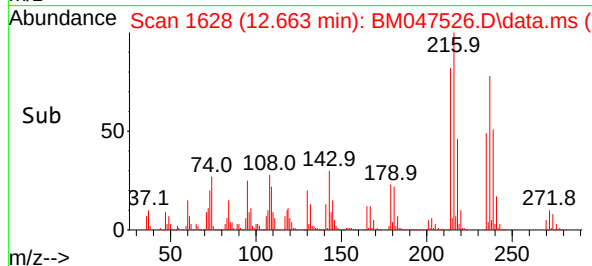
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:237 Resp: 575739
Ion Ratio Lower Upper
237 100
235 62.5 42.0 82.0
272 12.4 0.0 31.5

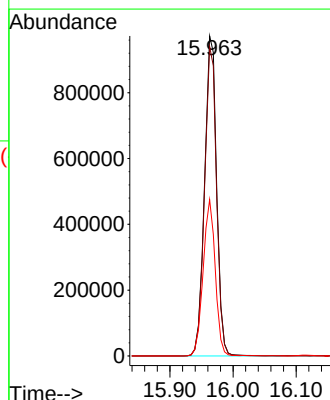
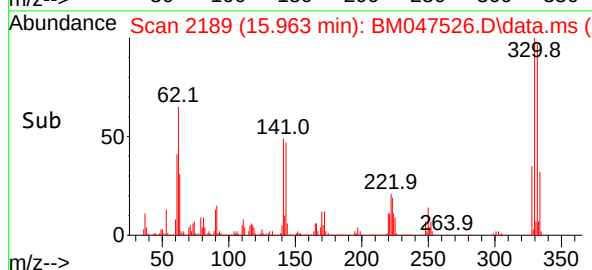
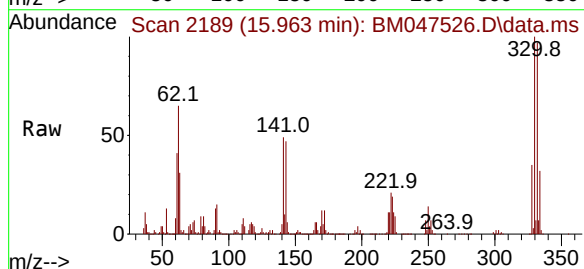
Manual Integrations
APPROVED

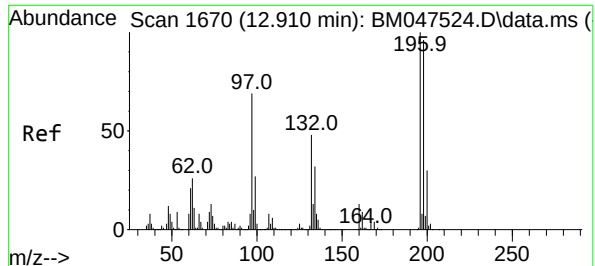
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

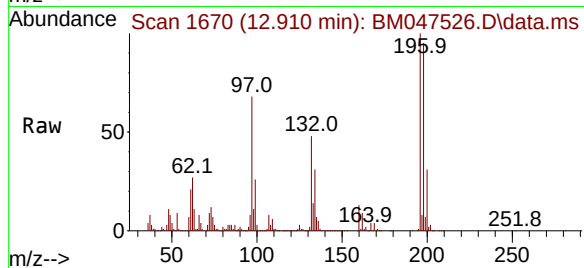
Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 112786

Ion Ratio Lower Upper

196 100

198 95.0 76.9 115.3

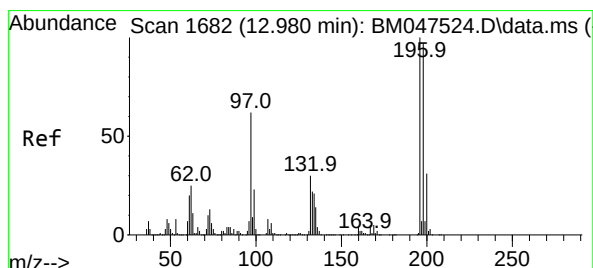
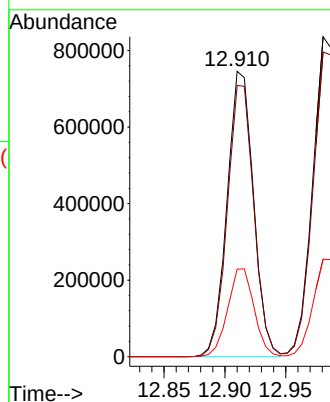
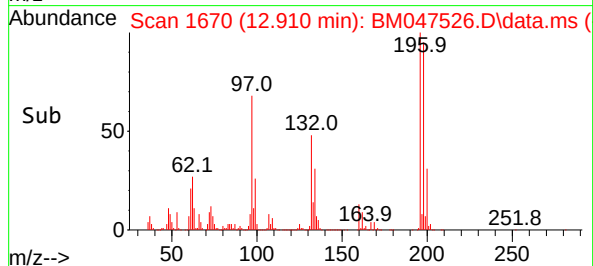
200 30.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

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

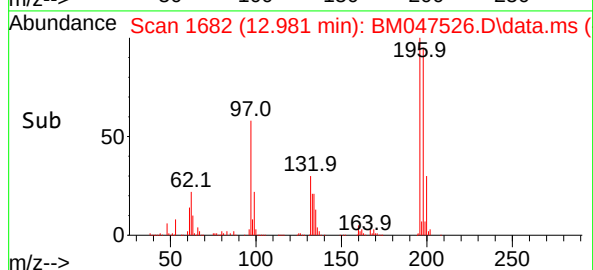
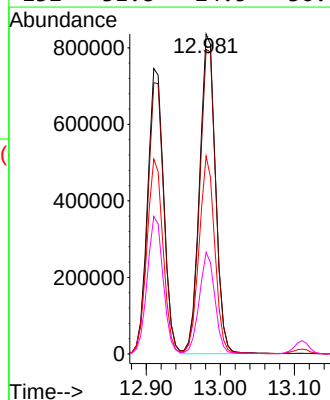
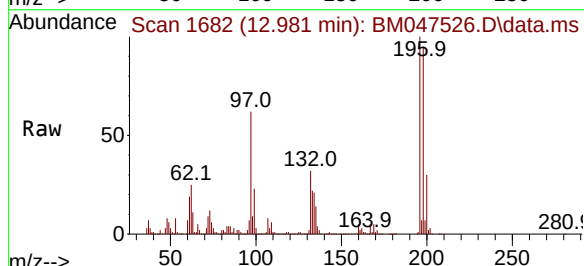
Ion Ratio Lower Upper

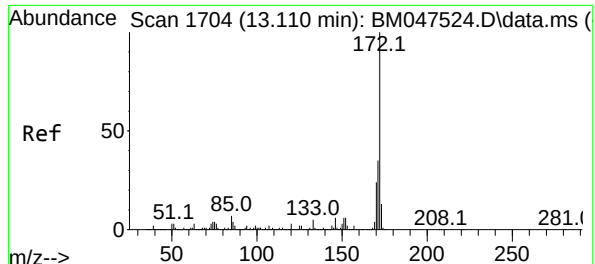
196 100

198 95.2 77.4 116.2

97 61.8 49.8 74.8

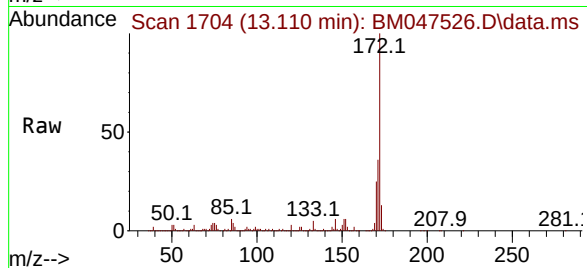
132 31.8 24.5 36.7





#45
2-Fluorobiphenyl
Concen: 132.892 ng
RT: 13.110 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

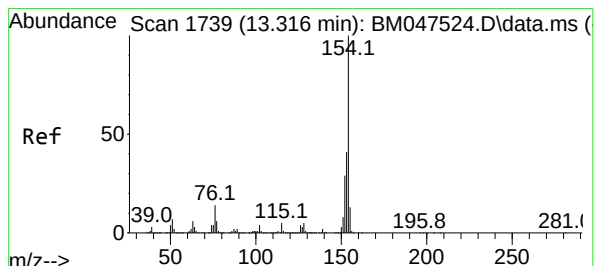
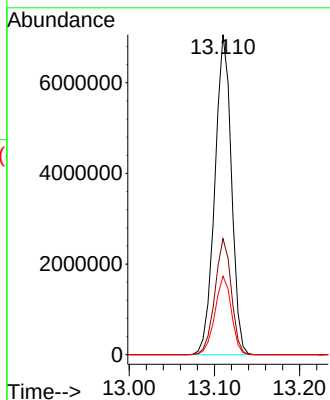
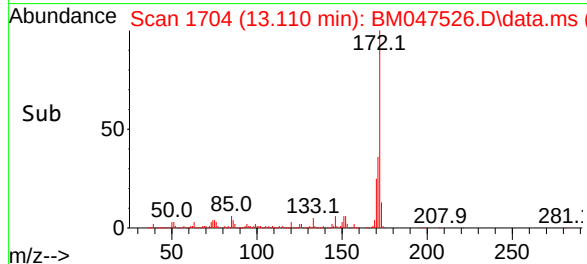
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

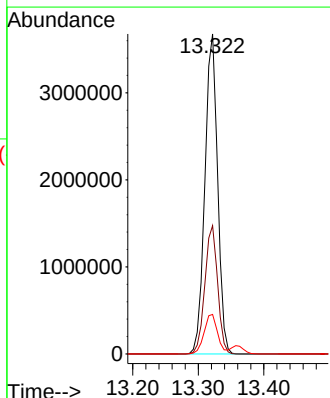
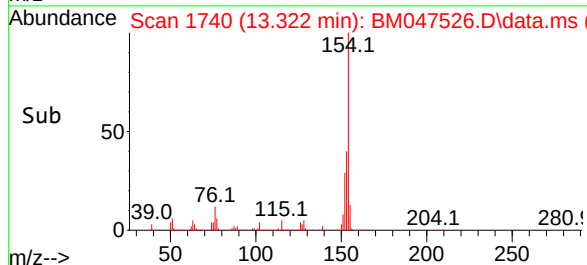
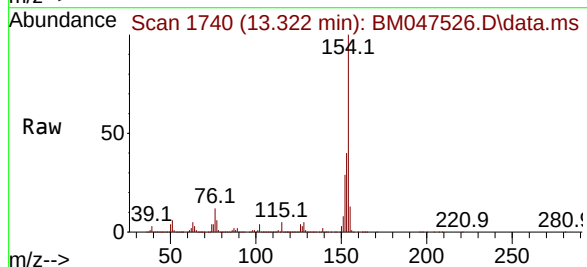
Manual Integrations
APPROVED

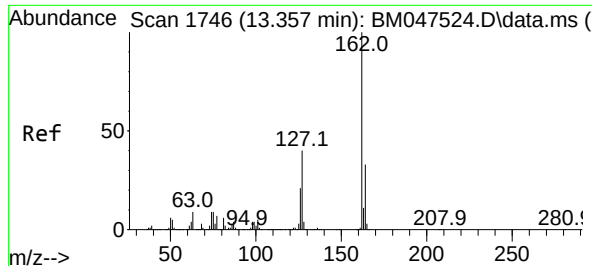
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

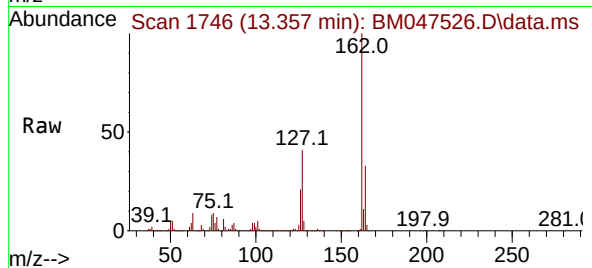
Tgt Ion:154 Resp: 4962549
Ion Ratio Lower Upper
154 100
153 40.1 20.6 60.6
76 12.3 0.0 33.9





#47
2-Chloronaphthalene
Concen: 64.100 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

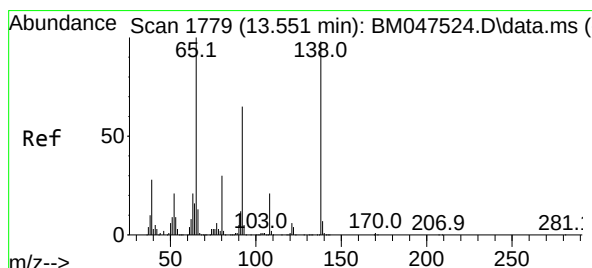
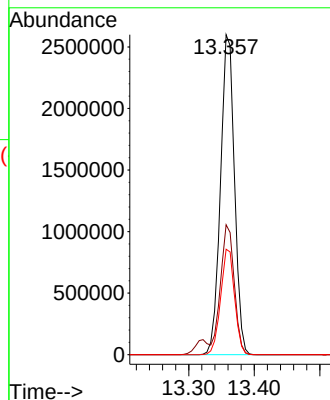
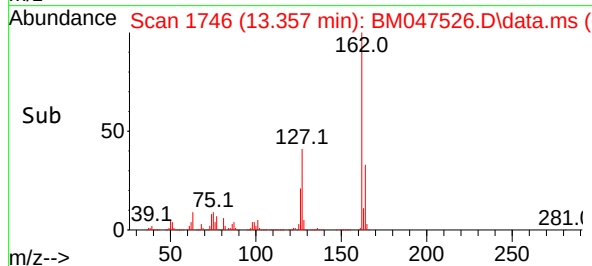
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:162 Resp: 3830459
Ion Ratio Lower Upper
162 100
127 40.6 32.2 48.4
164 33.0 26.3 39.5

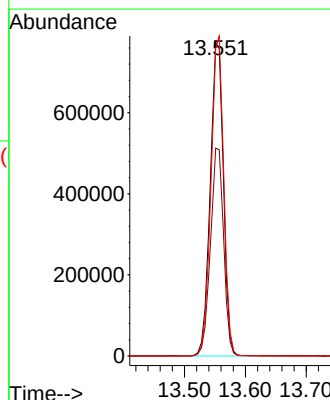
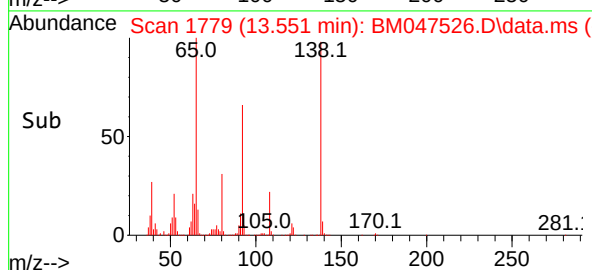
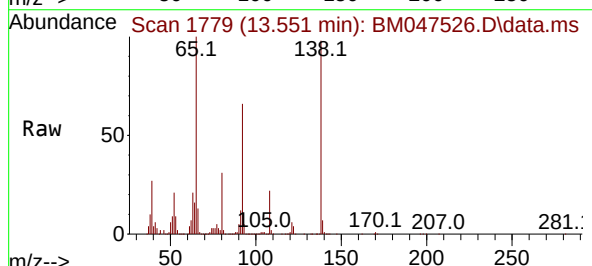
Manual Integrations
APPROVED

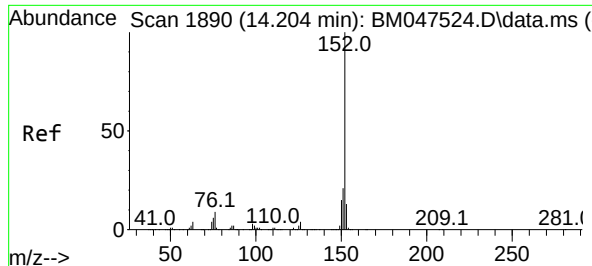
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

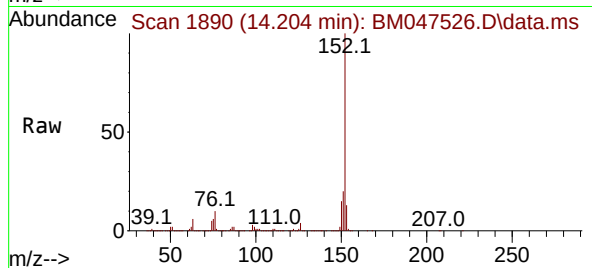
Tgt Ion: 65 Resp: 1160615
Ion Ratio Lower Upper
65 100
92 66.3 51.9 77.9
138 98.1 78.5 117.7





#49
Acenaphthylene
Concen: 64.401 ng
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

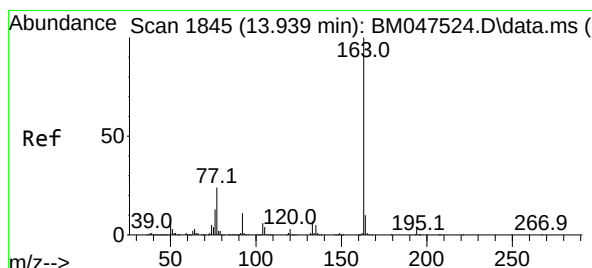
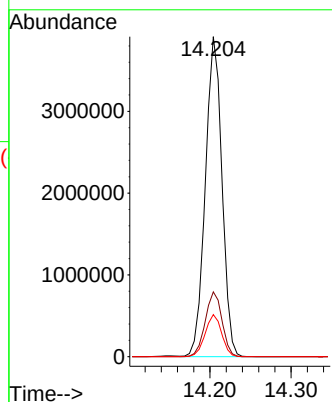
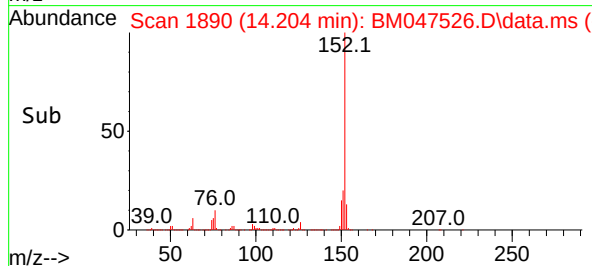
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

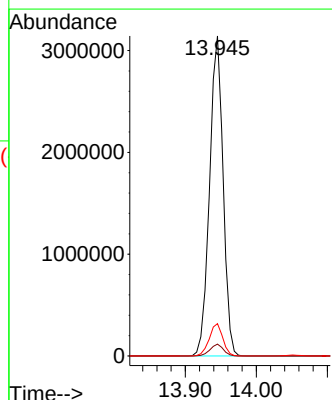
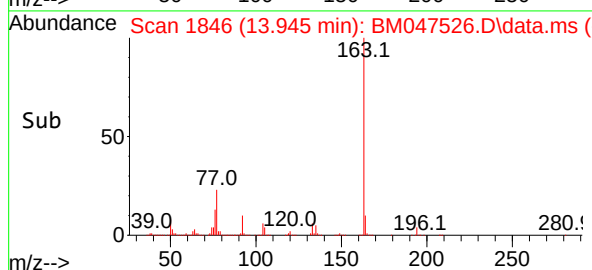
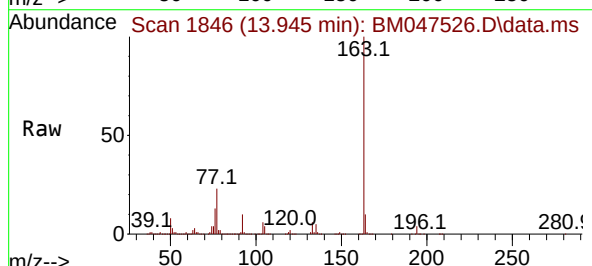
Manual Integrations
APPROVED

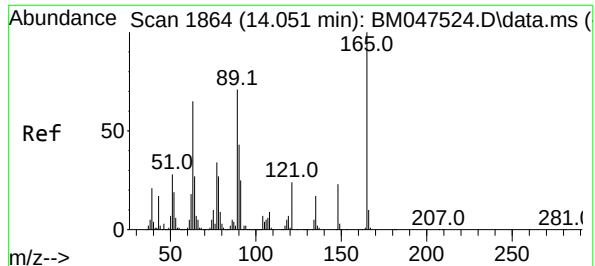
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

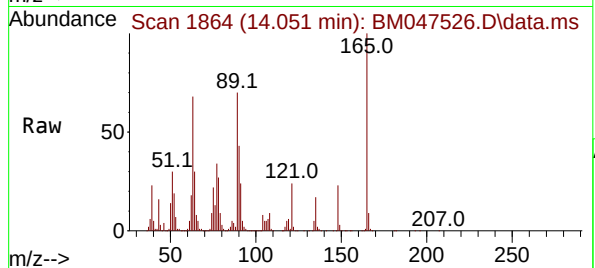
Tgt Ion:163 Resp: 4162540
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 64.198 ng
RT: 14.051 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

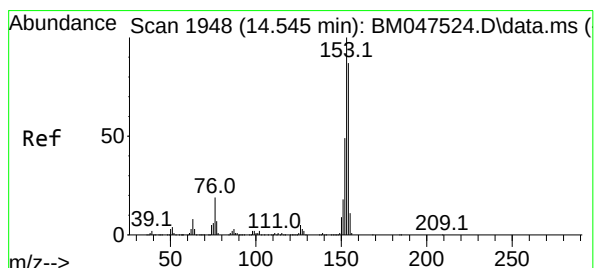
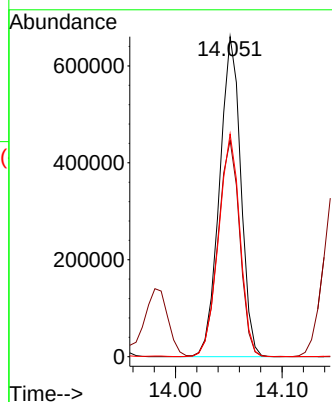
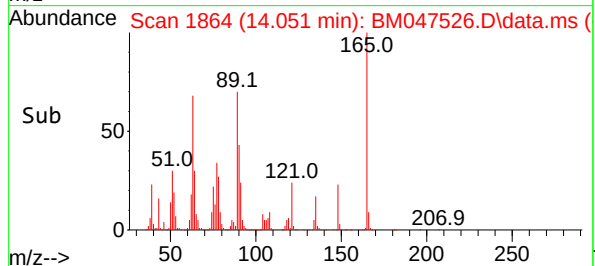
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 913672
Ion Ratio Lower Upper
165 100
63 67.6 54.2 81.2
89 69.6 56.4 84.6

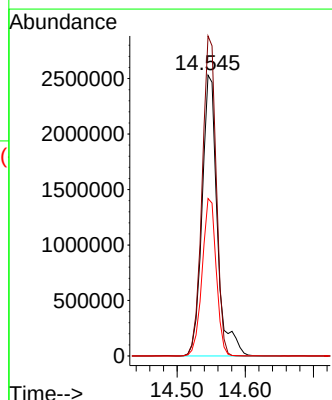
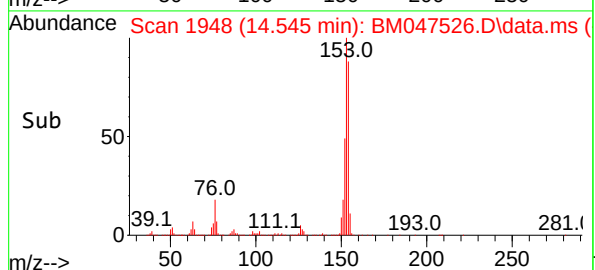
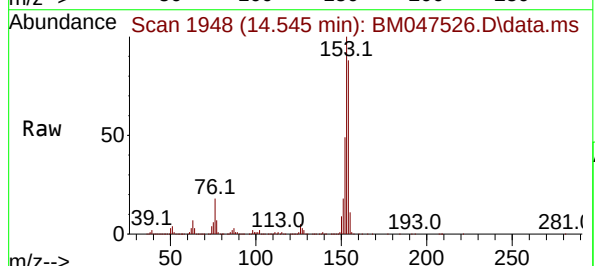
Manual Integrations
APPROVED

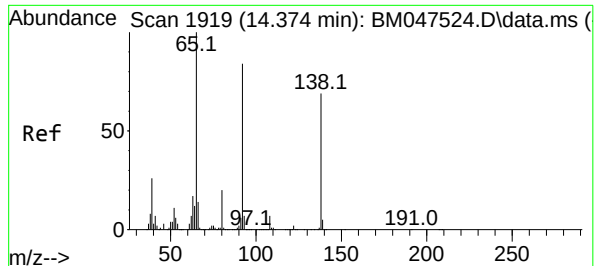
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

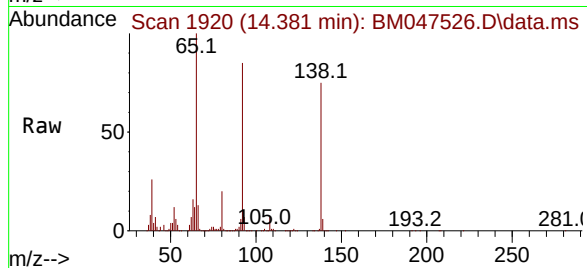
Tgt Ion:154 Resp: 3922692
Ion Ratio Lower Upper
154 100
153 114.0 92.2 138.2
152 56.1 45.4 68.0





#53
3-Nitroaniline
Concen: 64.587 ng
RT: 14.381 min Scan# 1919
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

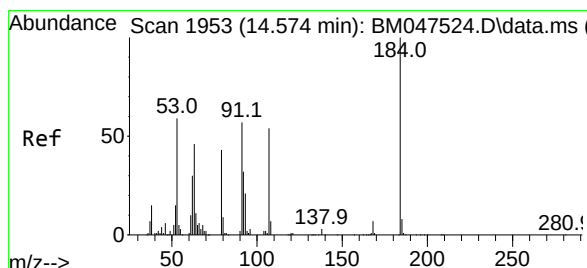
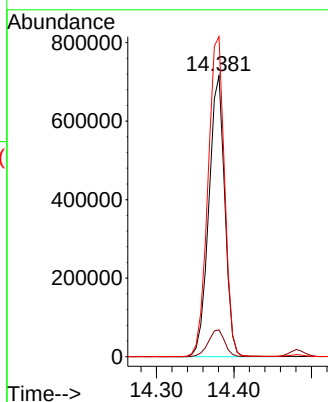
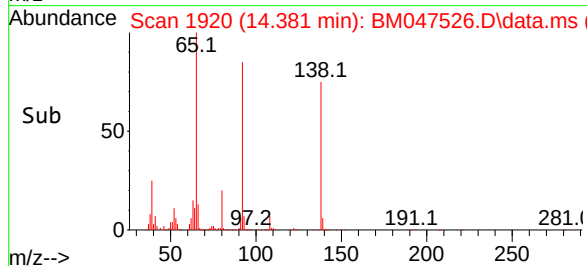
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



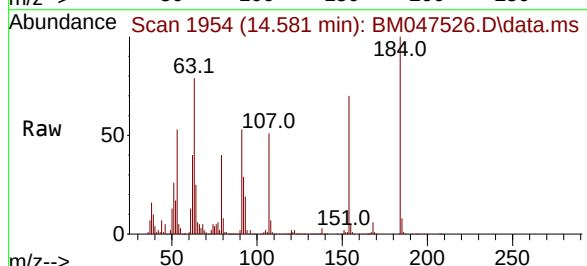
Tgt Ion:138 Resp: 1021704
Ion Ratio Lower Upper
138 100
108 9.6 8.0 12.0
92 113.9 97.4 146.0

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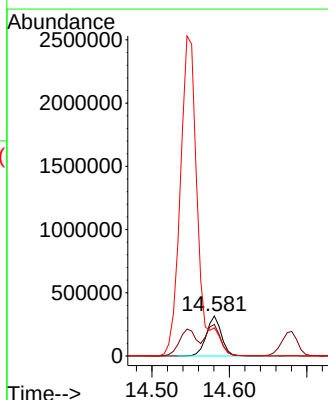
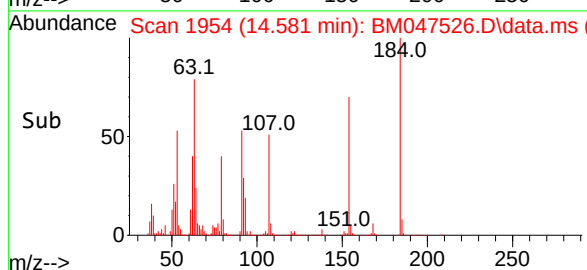
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

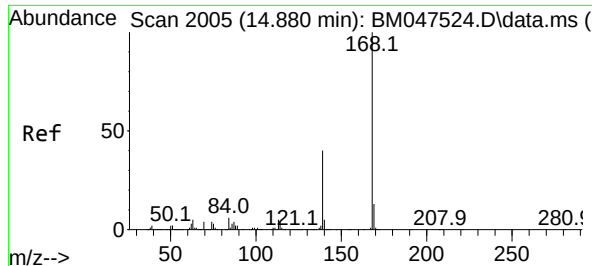


#54
2,4-Dinitrophenol
Concen: 59.540 ng
RT: 14.581 min Scan# 1954
Delta R.T. 0.007 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54



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# 2005

Delta R.T. 0.000 min

Lab File: BM047526.D

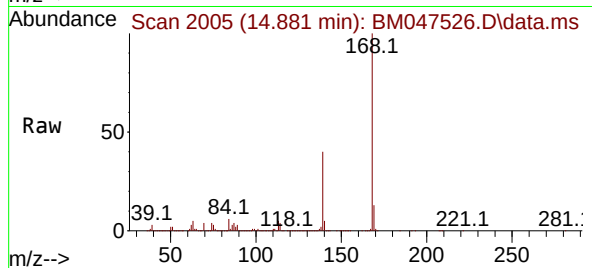
Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060



Tgt Ion:168 Resp: 536398

Ion Ratio Lower Upper

168 100

139 39.7 31.9 47.9

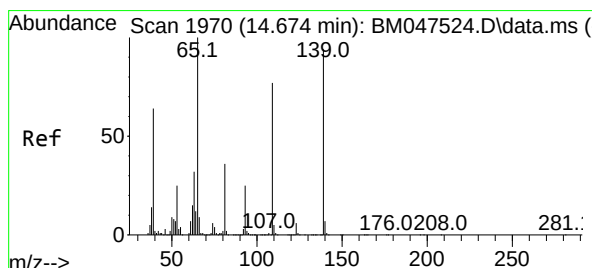
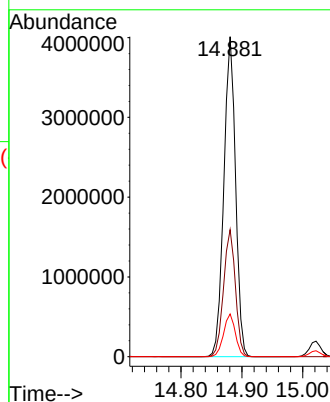
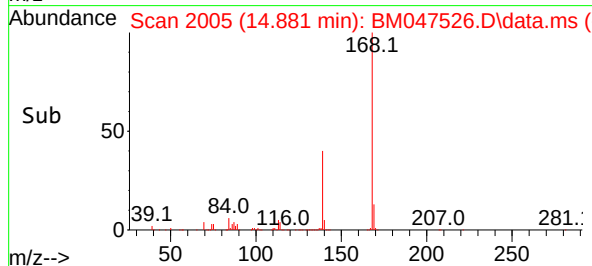
169 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

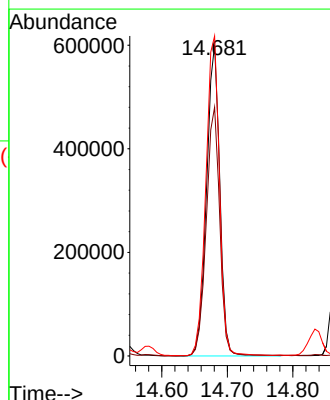
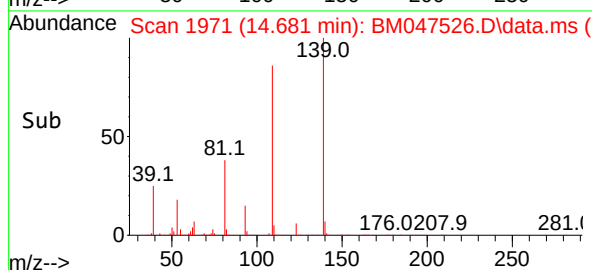
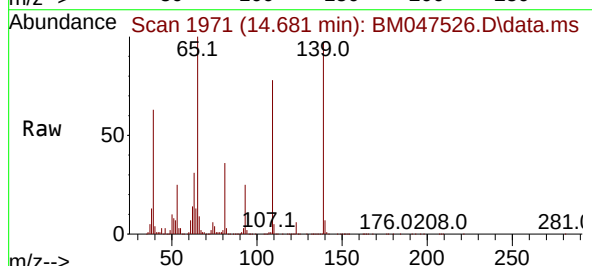
Tgt Ion:139 Resp: 847413

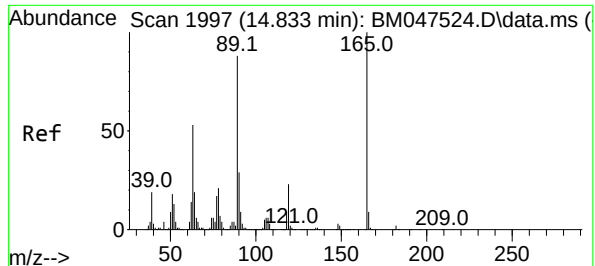
Ion Ratio Lower Upper

139 100

109 80.0 62.0 102.0

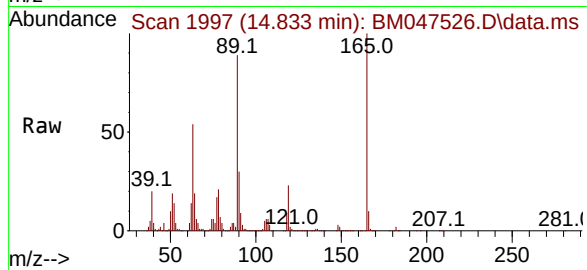
65 102.8 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 64.518 ng
RT: 14.833 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

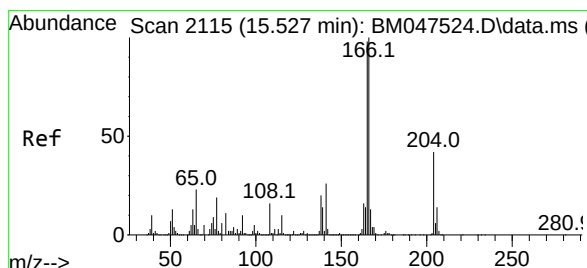
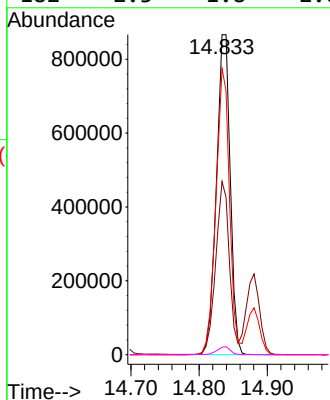
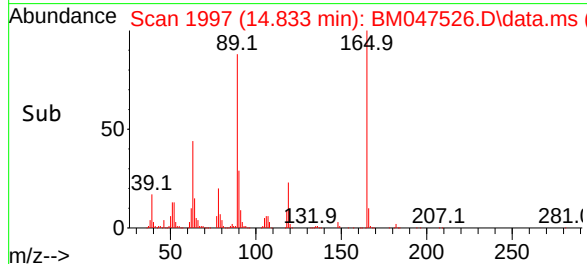
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



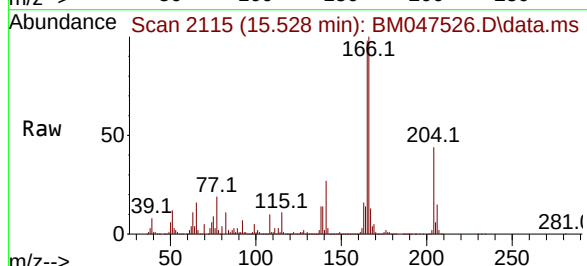
Tgt Ion:165 Resp: 1224620
Ion Ratio Lower Upper
165 100
63 54.1 42.4 63.6
89 89.5 70.5 105.7
182 2.3 1.8 2.6

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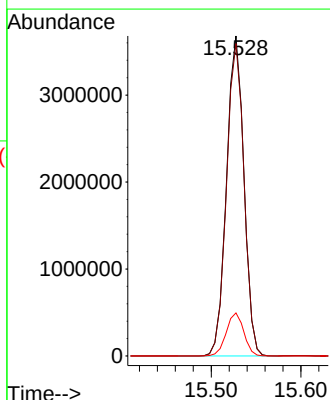
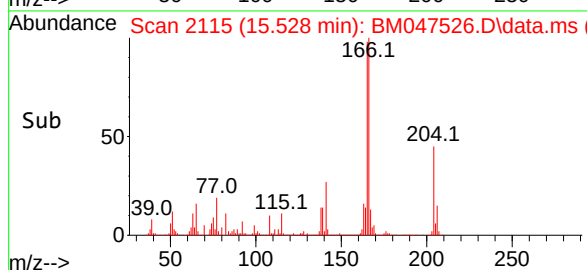
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

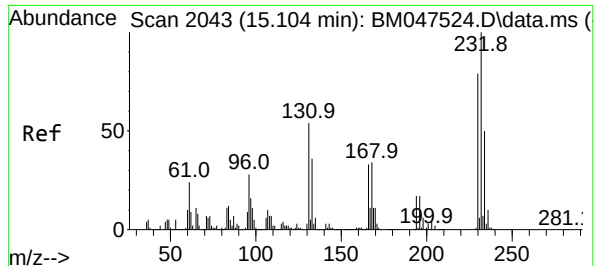


#58
Fluorene
Concen: 64.791 ng
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54



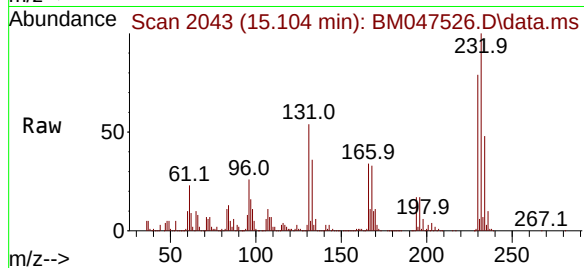
Tgt Ion:166 Resp: 4952783
Ion Ratio Lower Upper
166 100
165 97.6 78.6 117.8
167 13.4 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 64.671 ng
RT: 15.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

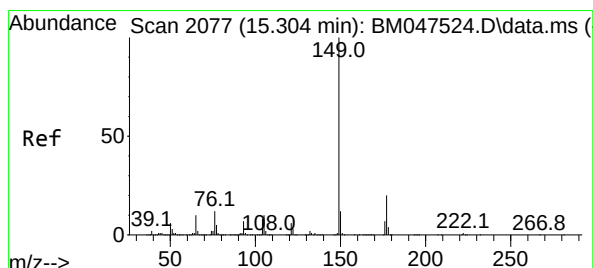
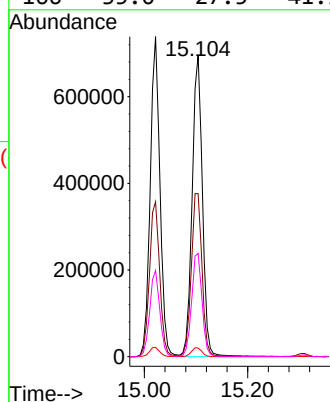
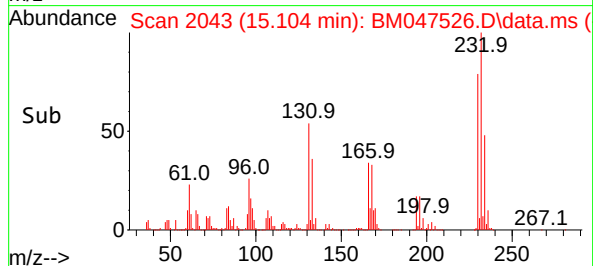
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



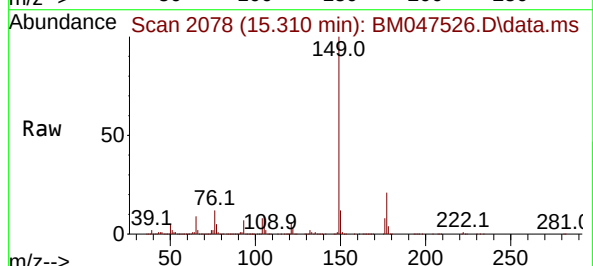
Tgt Ion:232 Resp: 954981
Ion Ratio Lower Upper
232 100
131 56.5 47.0 70.4
130 3.1 2.6 3.8
166 35.0 27.5 41.3

Manual Integrations
APPROVED

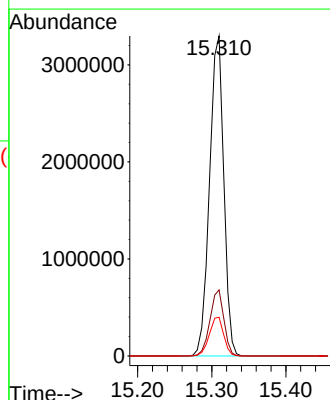
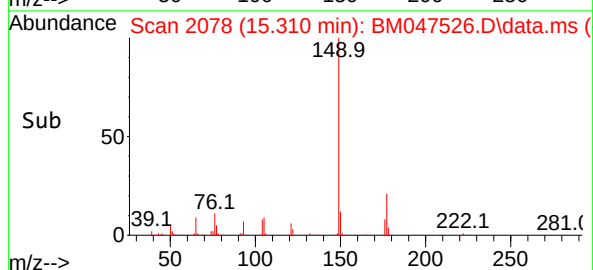
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

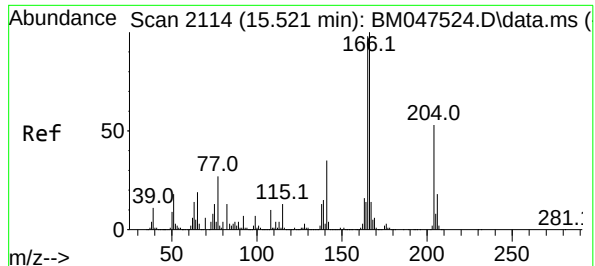


#60
Diethylphthalate
Concen: 61.427 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54



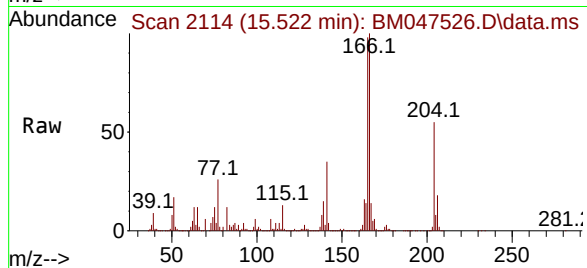
Tgt Ion:149 Resp: 4407420
Ion Ratio Lower Upper
149 100
177 20.6 15.8 23.8
150 12.1 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 65.236 ng
RT: 15.522 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

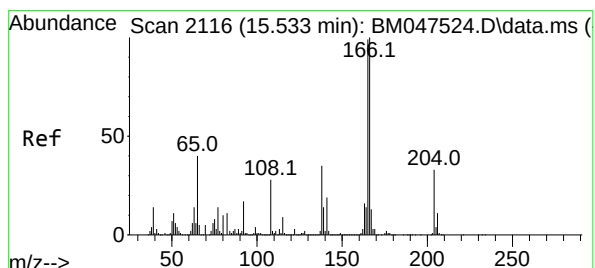
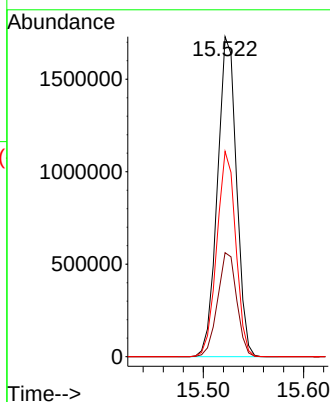
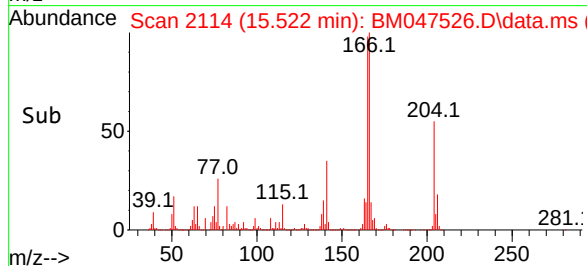
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



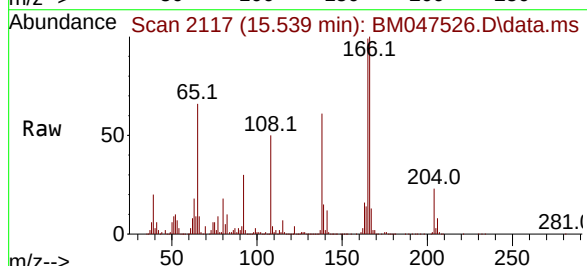
Tgt Ion:204 Resp: 2280190
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 64.1 52.1 78.1

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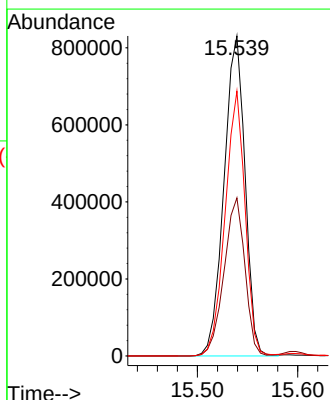
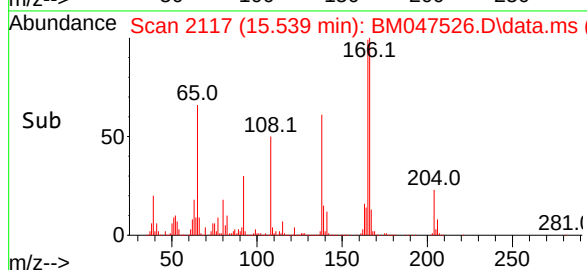
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

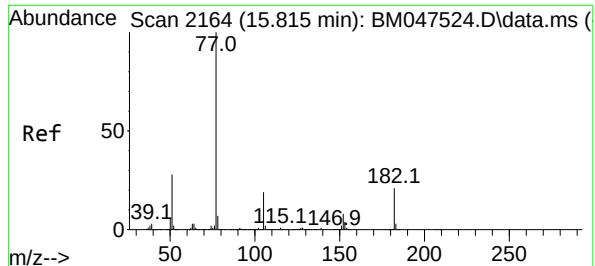


#62
4-Nitroaniline
Concen: 65.036 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54



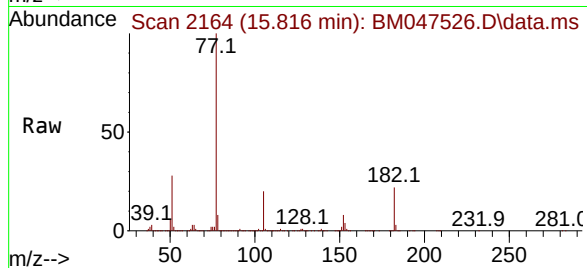
Tgt Ion:138 Resp: 1209326
Ion Ratio Lower Upper
138 100
92 49.4 30.0 70.0
108 82.7 61.7 101.7





#63
Azobenzene
Concen: 60.394 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

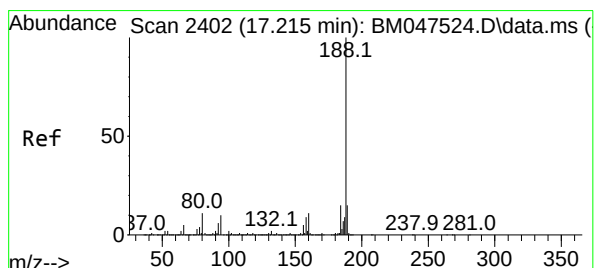
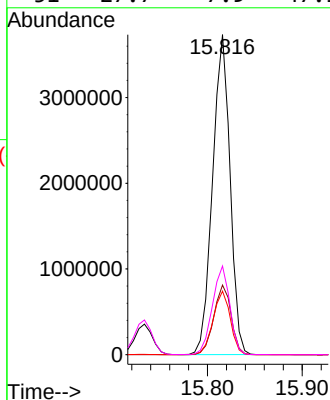
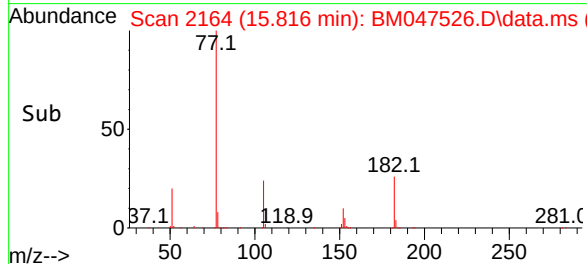
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 4771374
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

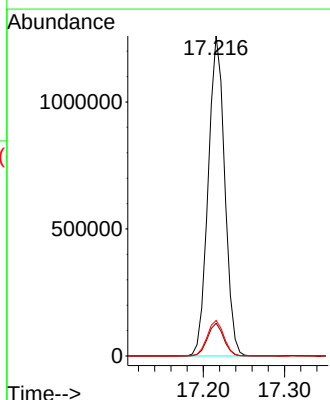
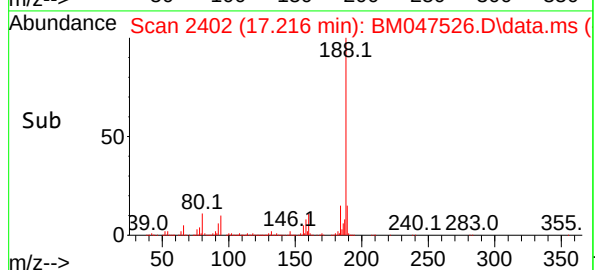
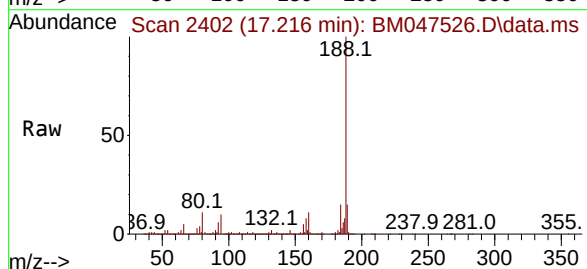
Manual Integrations
APPROVED

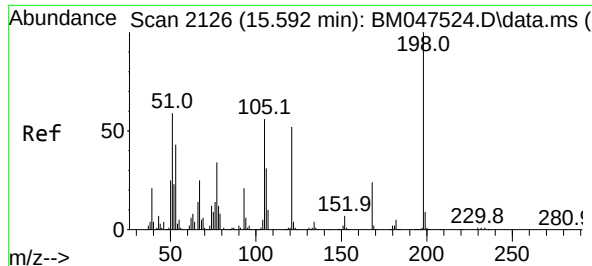
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

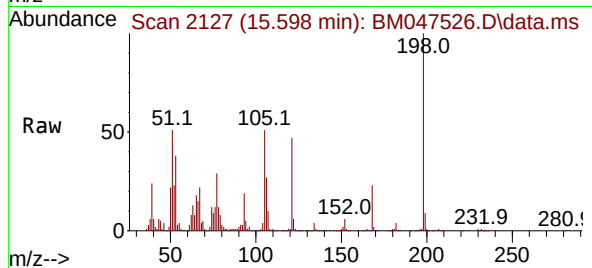
Tgt Ion:188 Resp: 1777314
Ion Ratio Lower Upper
188 100
94 10.2 8.4 12.6
80 11.1 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 60.152 ng
RT: 15.598 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

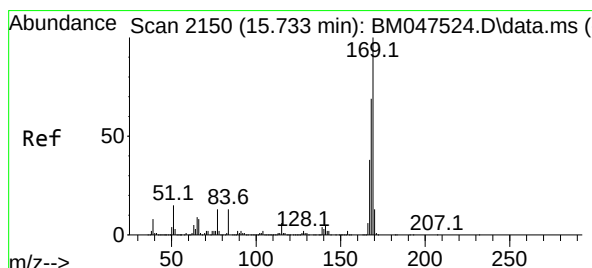
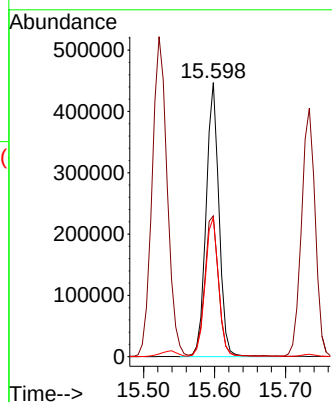
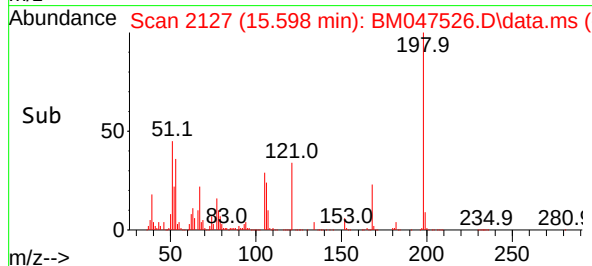
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:198 Resp: 563860
Ion Ratio Lower Upper
198 100
51 51.4 41.5 81.5
105 50.7 36.4 76.4

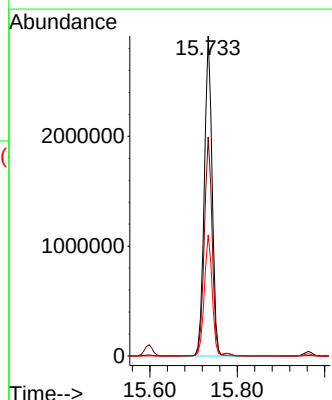
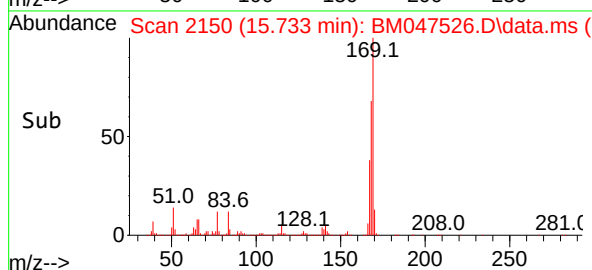
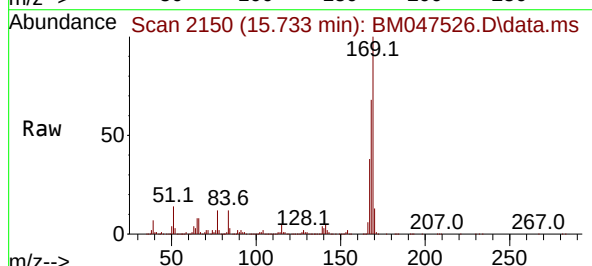
Manual Integrations
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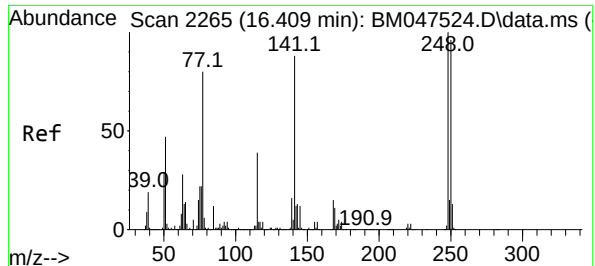
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

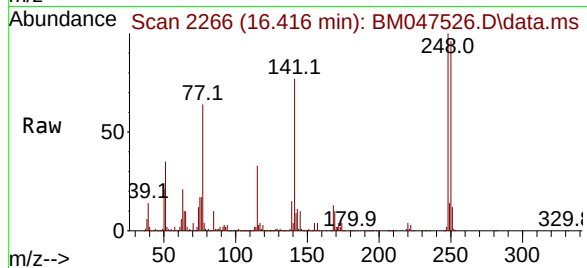
Tgt Ion:169 Resp: 3612114
Ion Ratio Lower Upper
169 100
168 68.5 55.3 82.9
167 37.8 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 67.430 ng
RT: 16.416 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

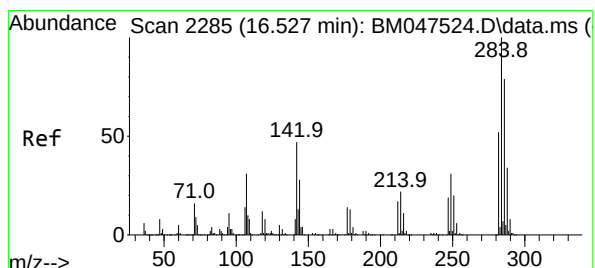
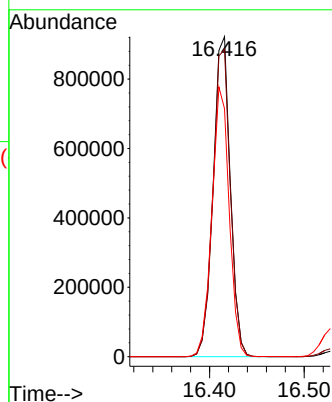
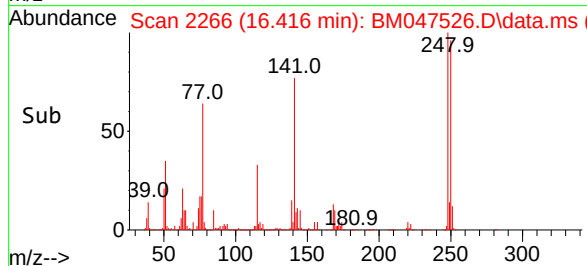
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:248 Resp: 1164484
Ion Ratio Lower Upper
248 100
250 96.0 76.9 115.3
141 77.5 70.8 106.2

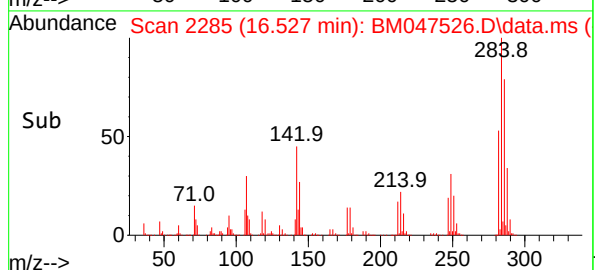
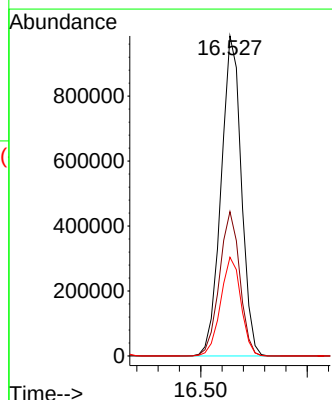
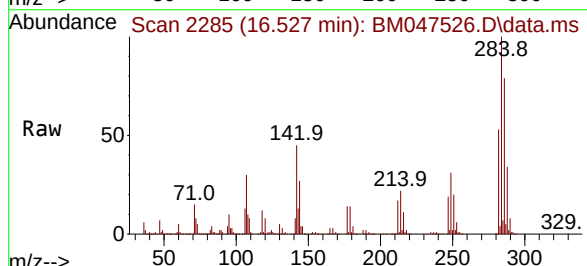
Manual Integrations
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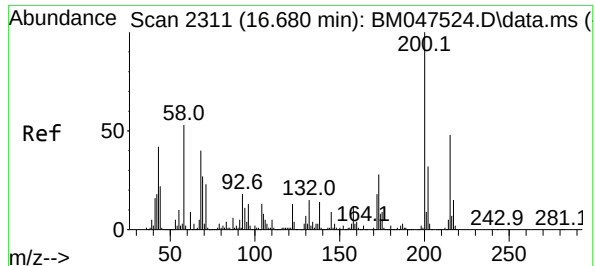
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 21

Delta R.T. 0.000 min

Lab File: BM047526.D

Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 95454

Ion Ratio Lower Upper

200 100

173 27.2 7.7 47.7

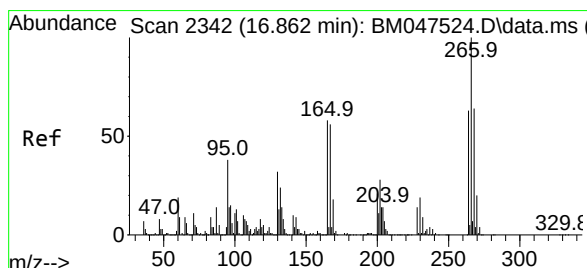
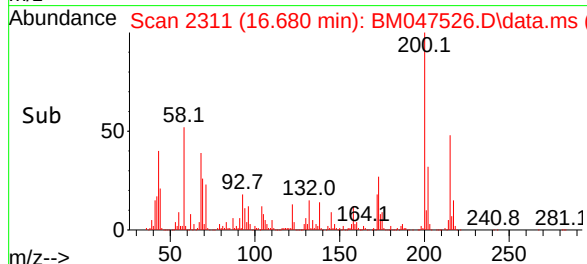
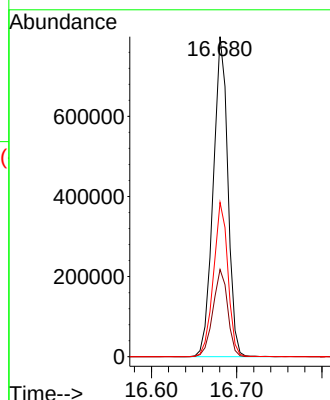
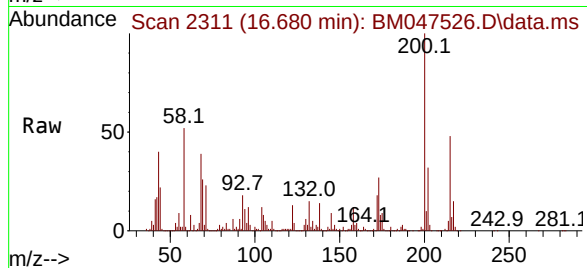
215 48.2 27.9 67.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

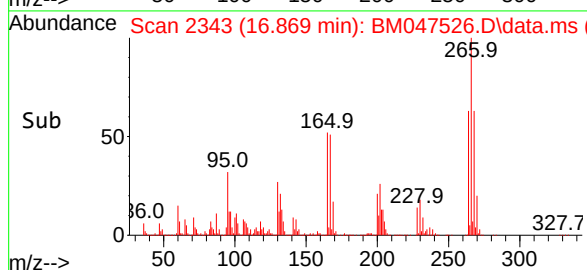
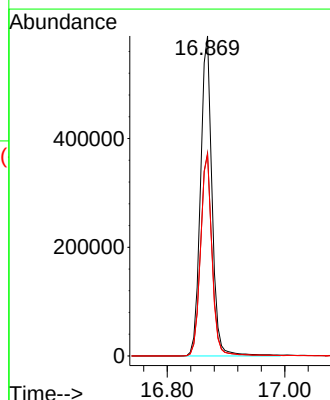
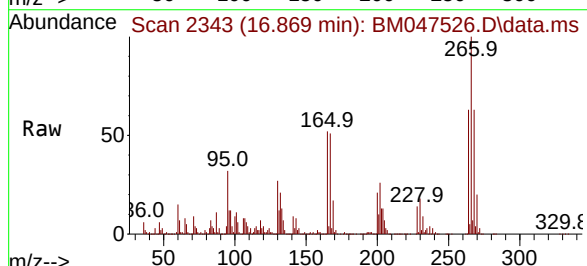
Tgt Ion:266 Resp: 800527

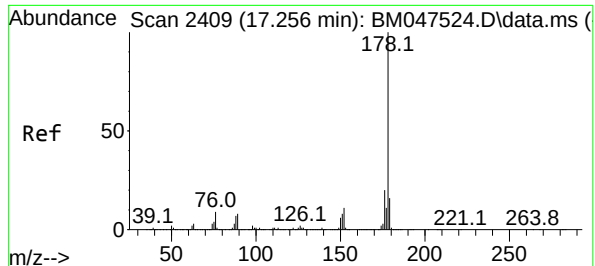
Ion Ratio Lower Upper

266 100

268 63.4 51.0 76.4

264 63.0 50.4 75.6





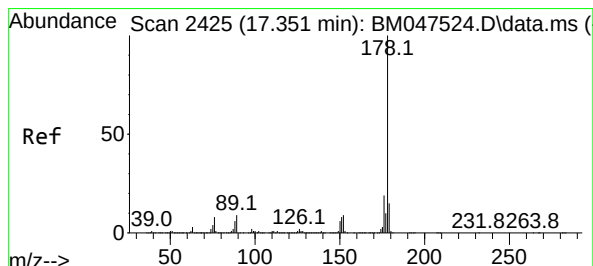
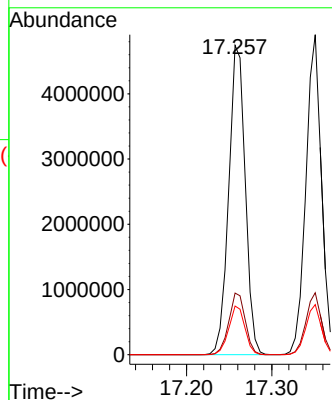
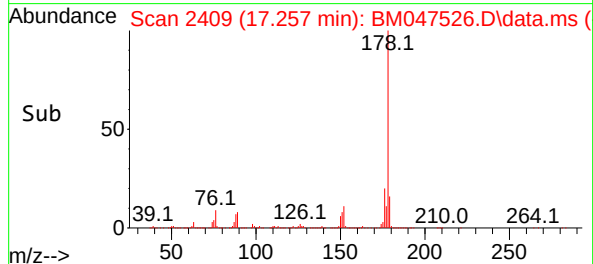
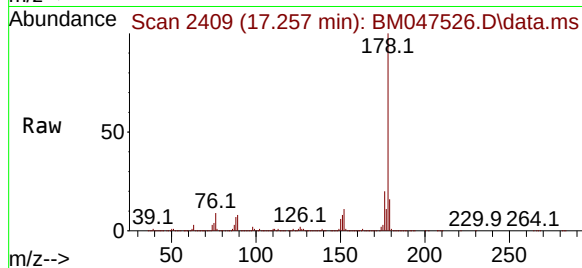
#71
Phenanthrene
Concen: 65.155 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 6381802
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.7 12.4 18.6

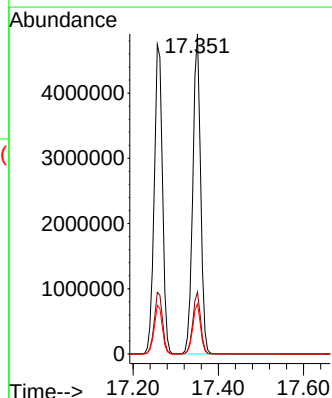
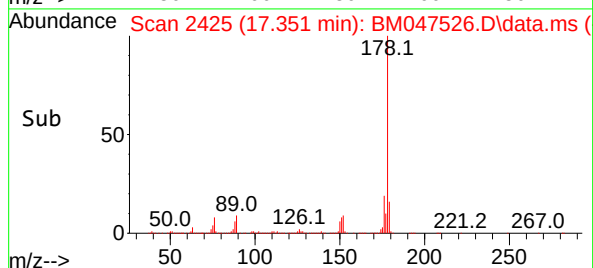
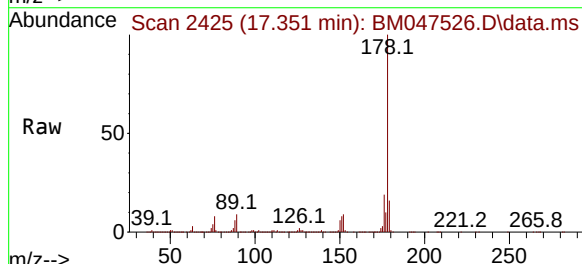
Manual Integrations
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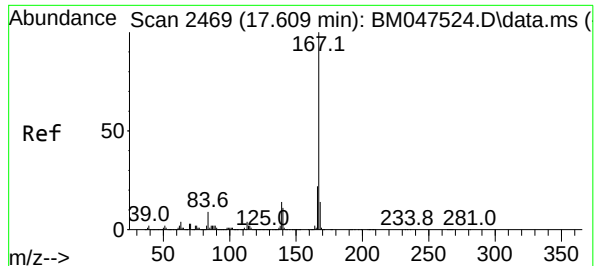
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

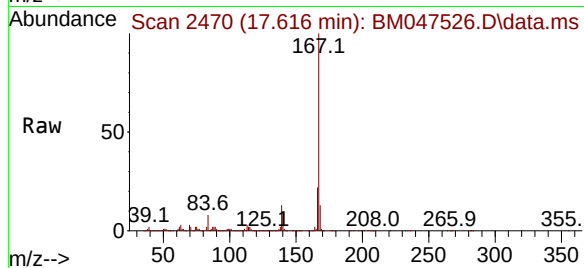
Tgt Ion:178 Resp: 6231891
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.3 18.5





#73
Carbazole
Concen: 64.390 ng
RT: 17.616 min Scan# 2469
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

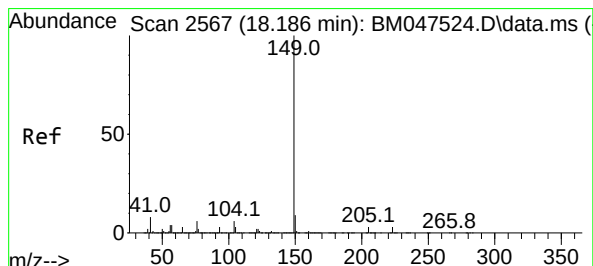
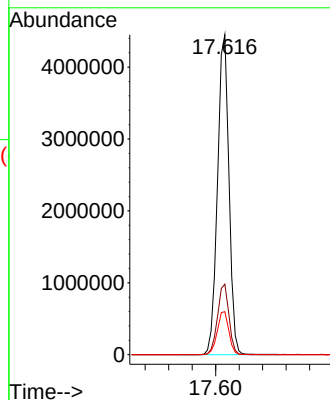
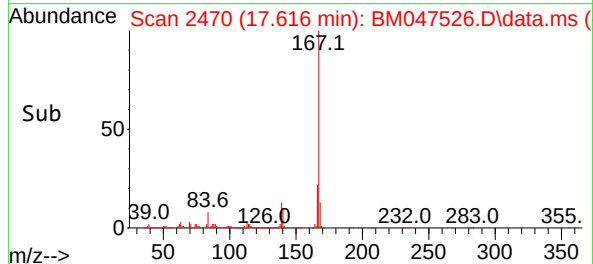
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

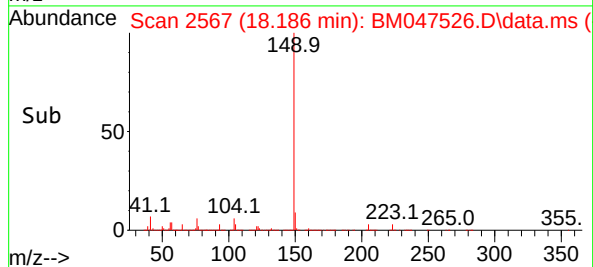
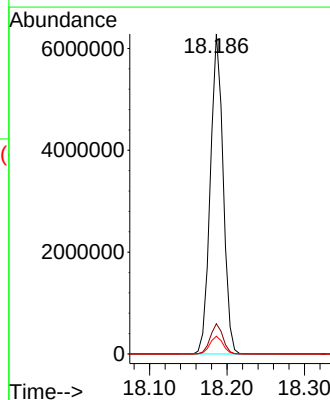
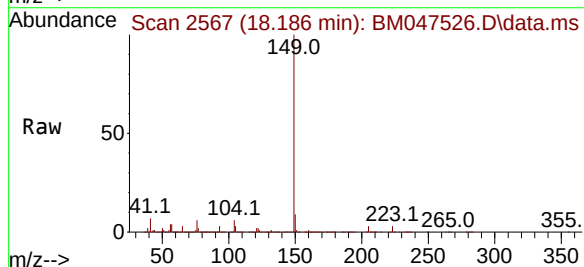
Manual Integrations
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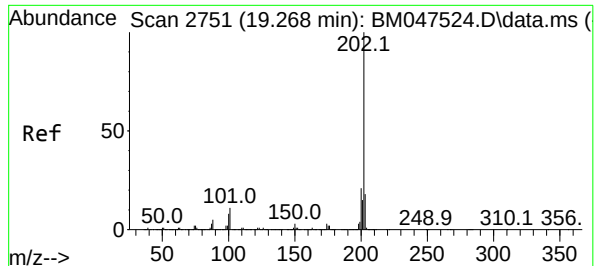
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

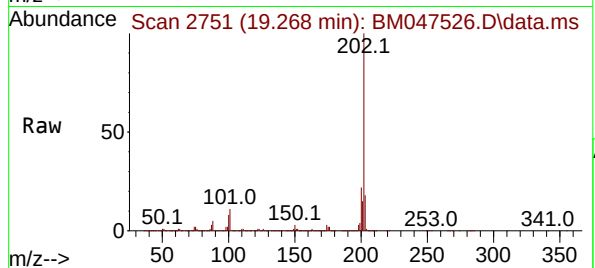
Tgt Ion:149 Resp: 7206516
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.2
104 5.6 4.6 6.8





#75
Fluoranthene
Concen: 64.019 ng
RT: 19.268 min Scan# 2751
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

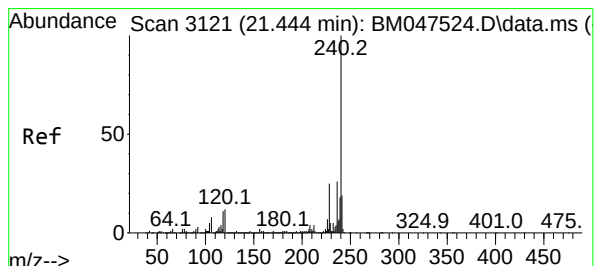
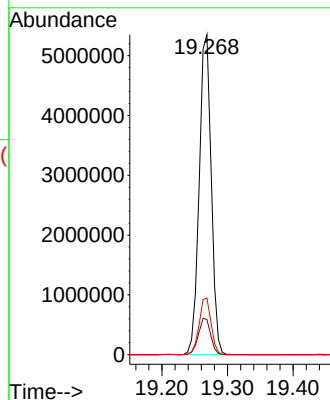
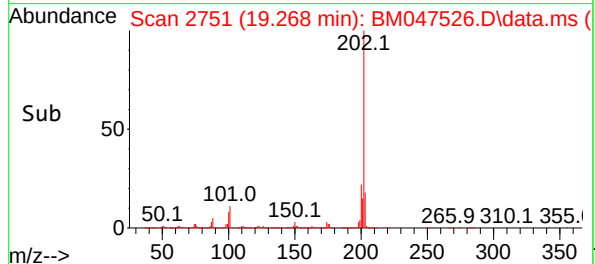
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

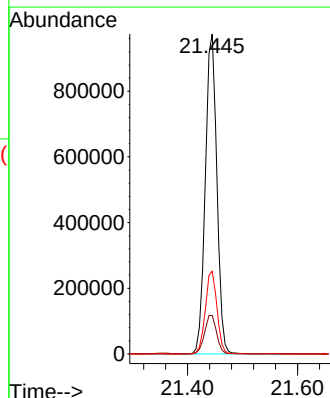
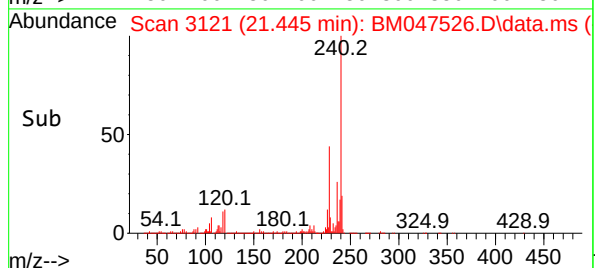
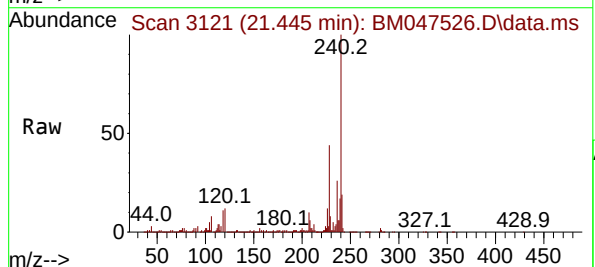
Manual Integrations
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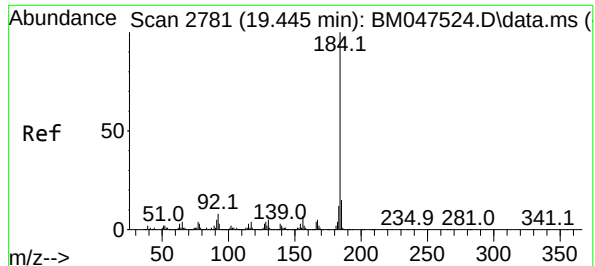
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

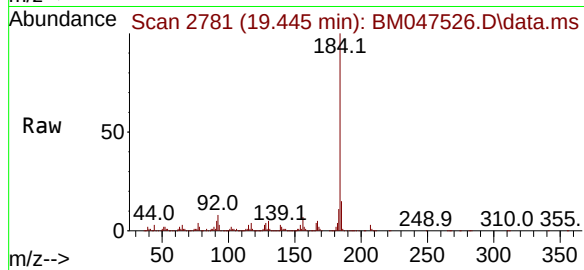
Tgt Ion:240 Resp: 1418749
Ion Ratio Lower Upper
240 100
120 12.0 9.6 14.4
236 25.8 20.9 31.3





#77
Benzidine
Concen: 50.257 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

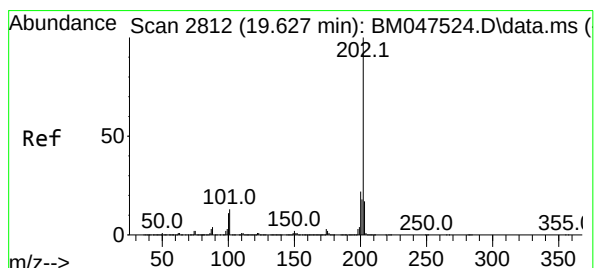
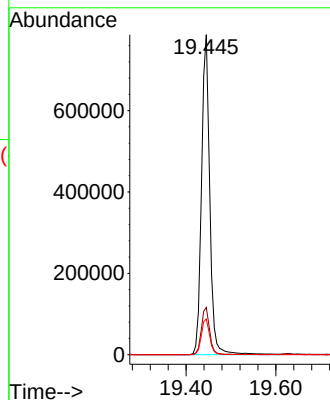
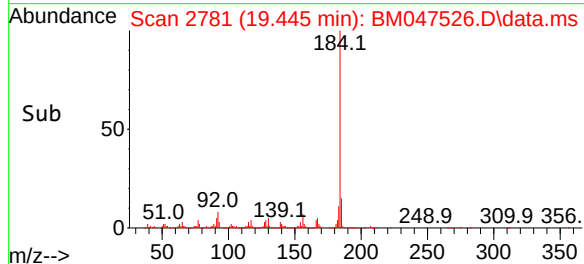
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 1004190
Ion Ratio Lower Upper
184 100
185 14.8 12.2 18.2
183 11.2 9.6 14.4

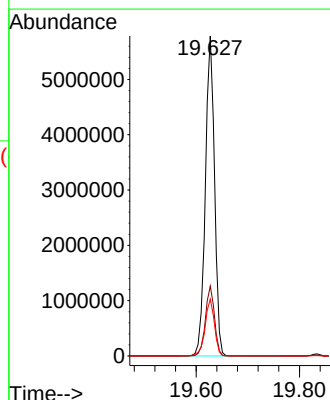
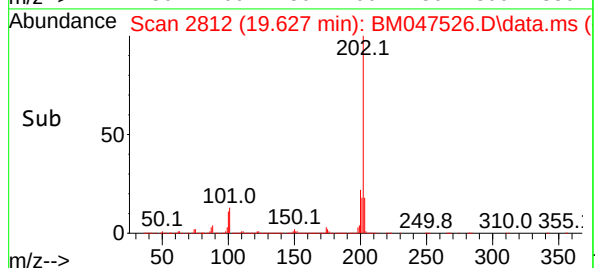
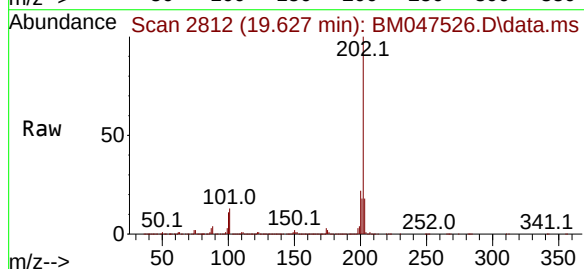
Manual Integrations
APPROVED

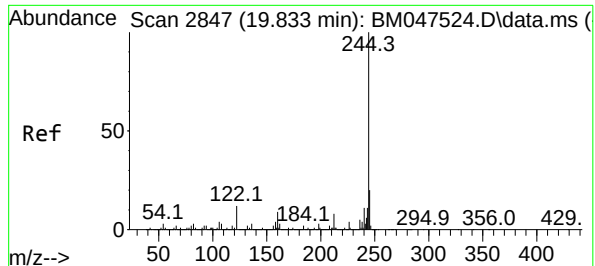
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

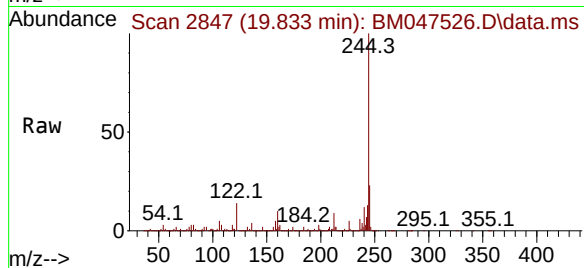
Tgt Ion:202 Resp: 7114617
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.7 14.0 21.0





#79
Terphenyl-d14
Concen: 135.674 ng
RT: 19.833 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

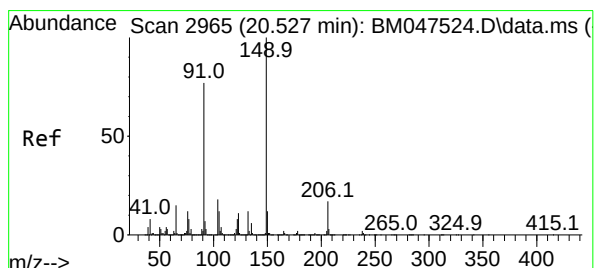
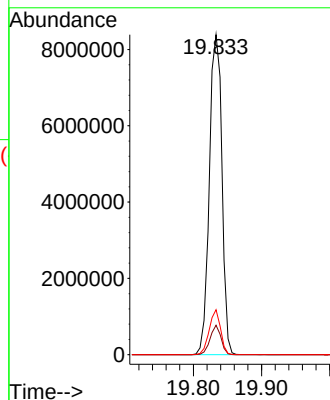
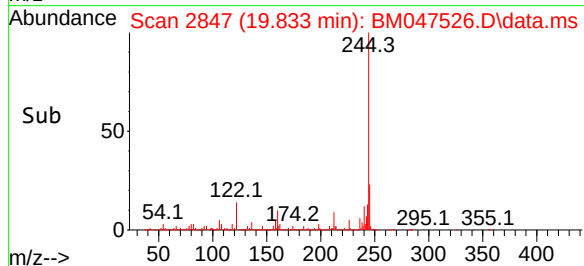
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

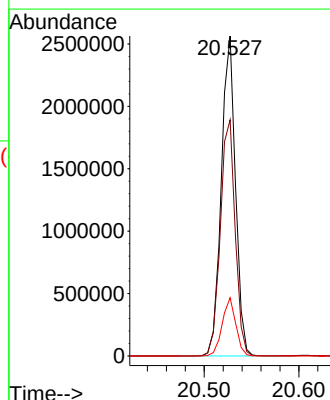
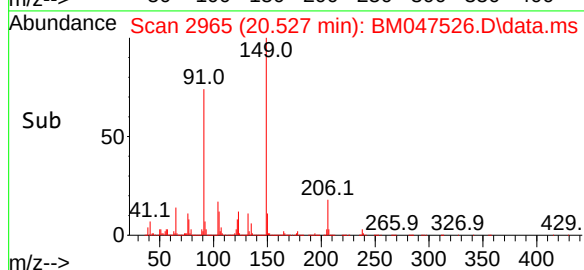
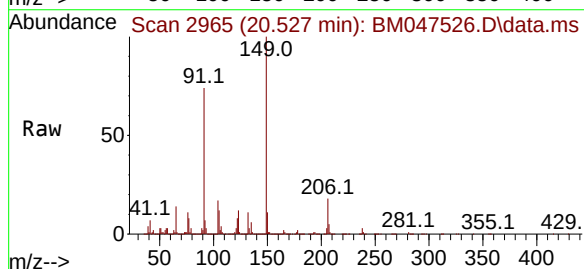
Manual Integrations
APPROVED

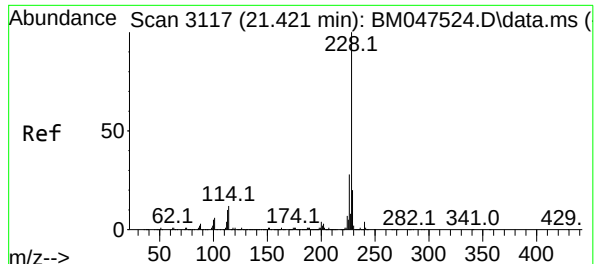
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

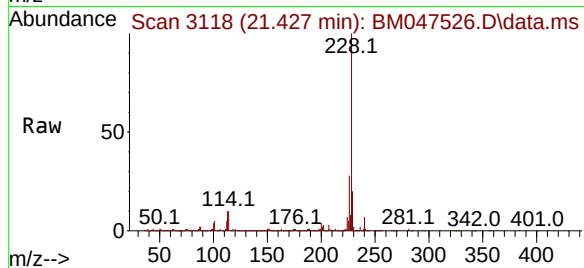
Tgt Ion:149 Resp: 2667582
Ion Ratio Lower Upper
149 100
91 73.8 62.0 93.0
206 18.2 13.8 20.8





#81
Benzo(a)anthracene
Concen: 63.261 ng
RT: 21.427 min Scan# 3117
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

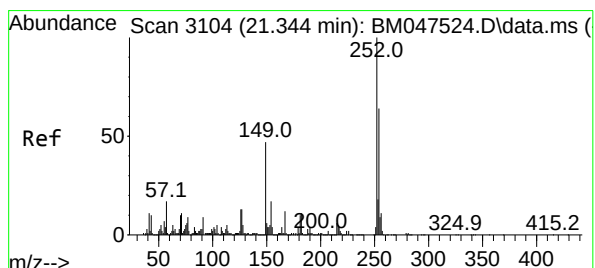
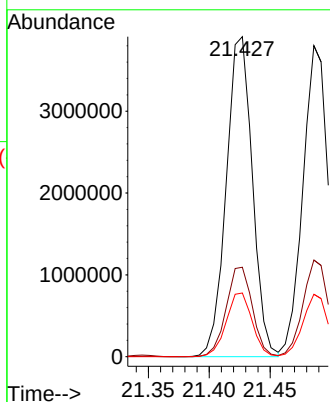
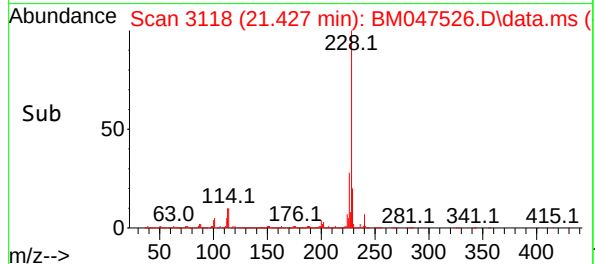
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

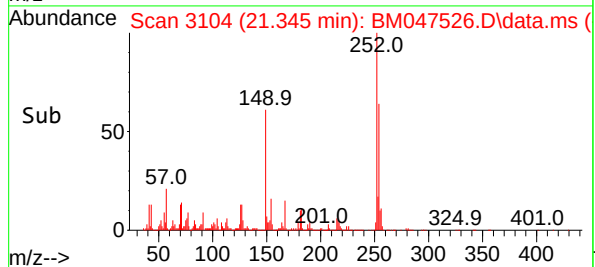
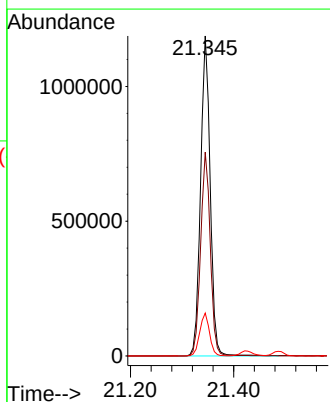
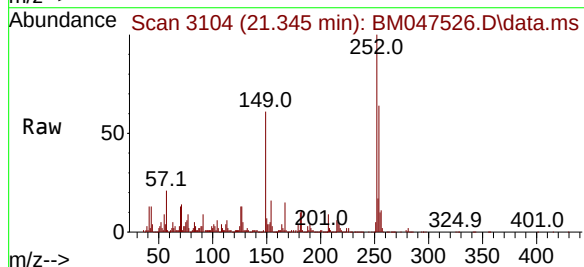
Manual Integrations
APPROVED

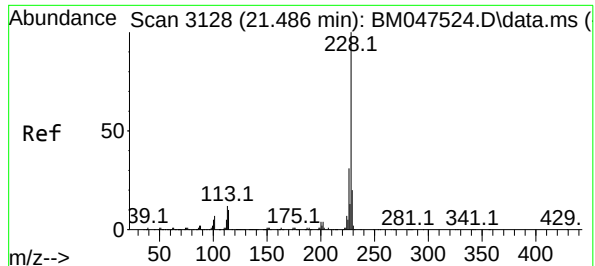
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

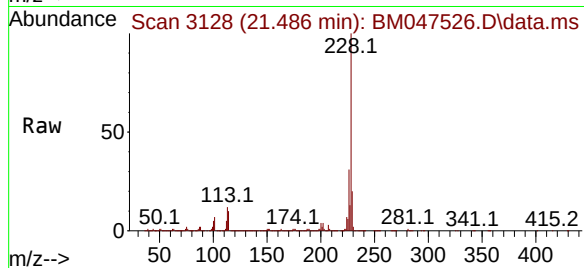
Tgt Ion:252 Resp: 1531051
Ion Ratio Lower Upper
252 100
254 63.7 51.5 77.3
126 13.4 10.3 15.5





#83
Chrysene
Concen: 62.898 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

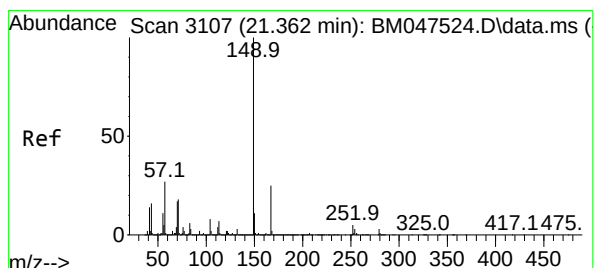
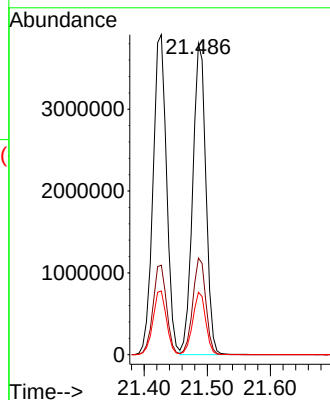
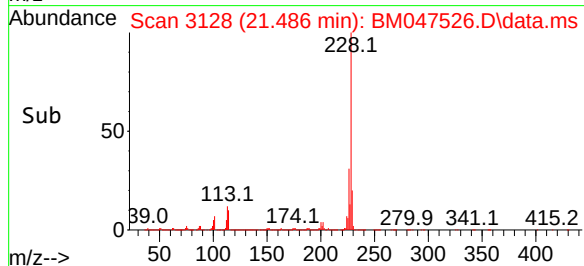
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 5501560
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 20.0 15.9 23.9

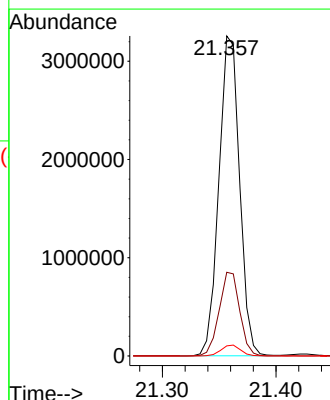
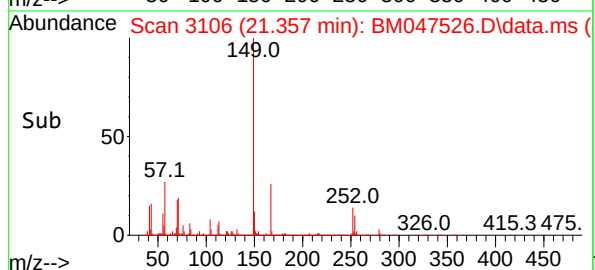
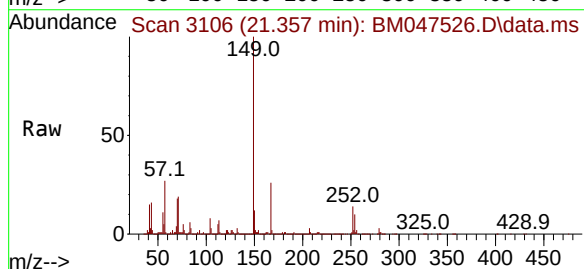
Manual Integrations
APPROVED

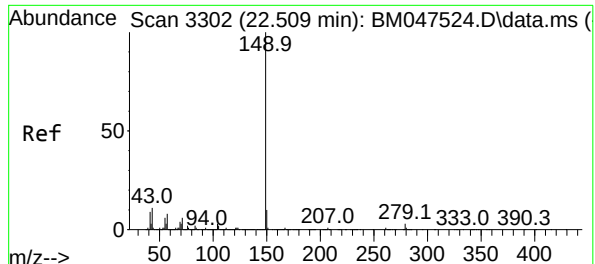
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

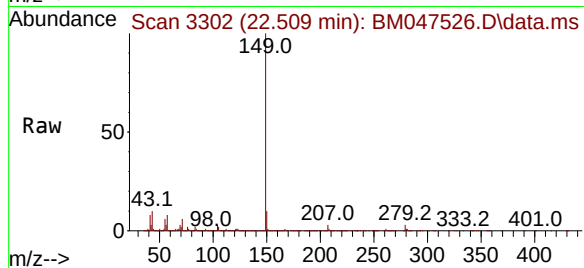
Tgt Ion:149 Resp: 4125584
Ion Ratio Lower Upper
149 100
167 26.2 20.2 30.4
279 3.1 2.6 4.0





#85
Di-n-octyl phthalate
Concen: 67.112 ng
RT: 22.509 min Scan# 3302
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

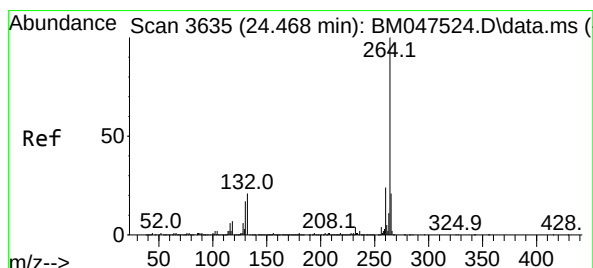
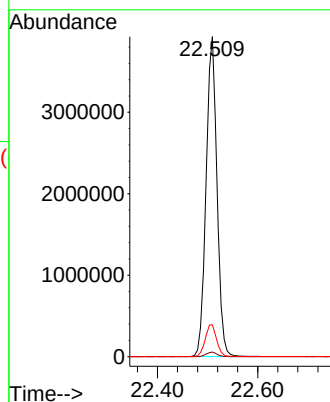
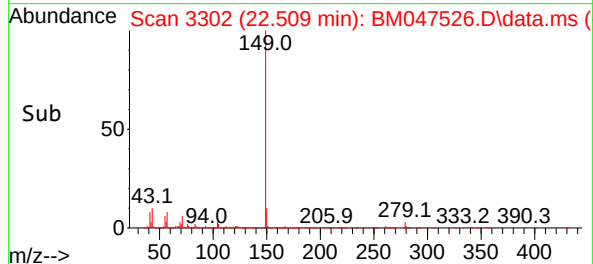
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:149 Resp: 5924302
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 10.5 8.9 13.3

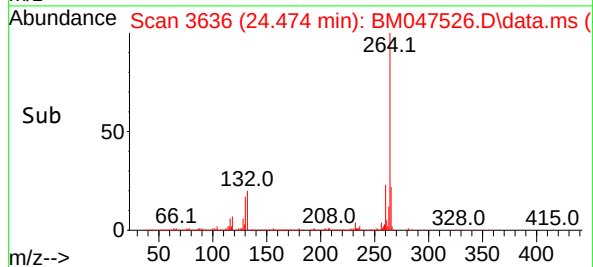
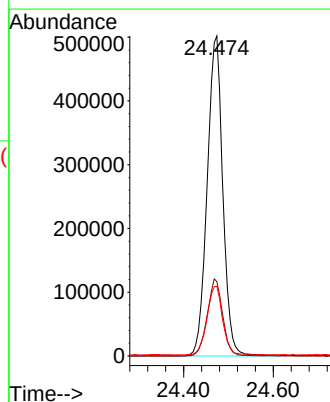
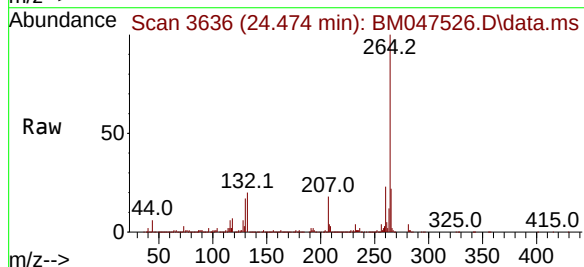
Manual Integrations
APPROVED

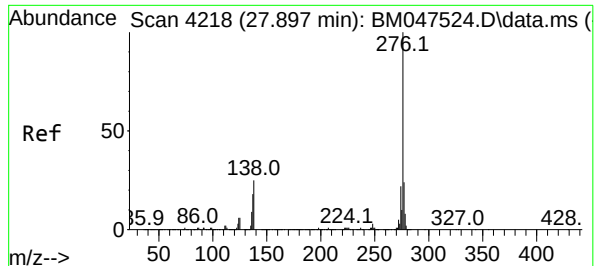
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

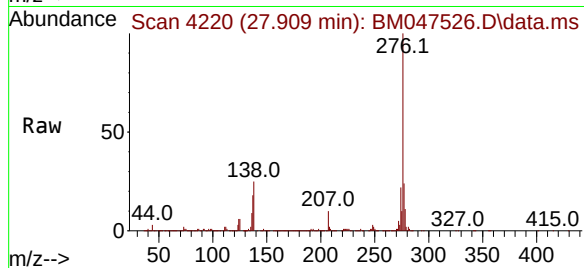
Tgt Ion:264 Resp: 1211205
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 71.030 ng
RT: 27.909 min Scan# 4218
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

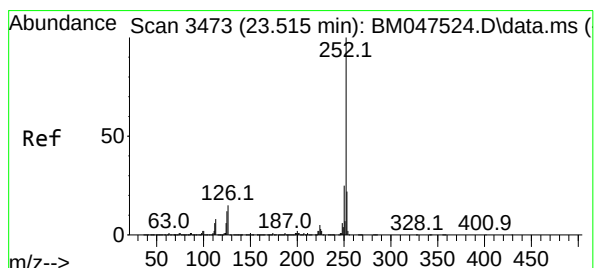
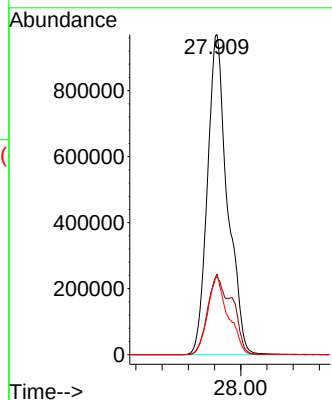
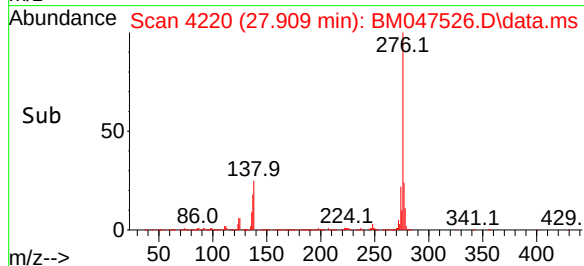
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



Tgt Ion:276 Resp: 5148540
Ion Ratio Lower Upper
276 100
138 22.9 25.0 37.6
277 25.1 20.1 30.1

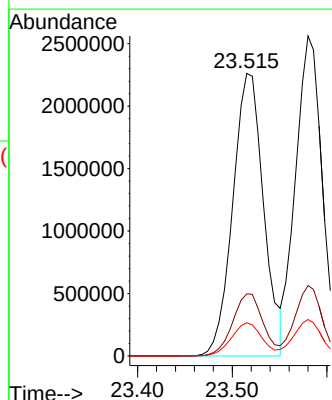
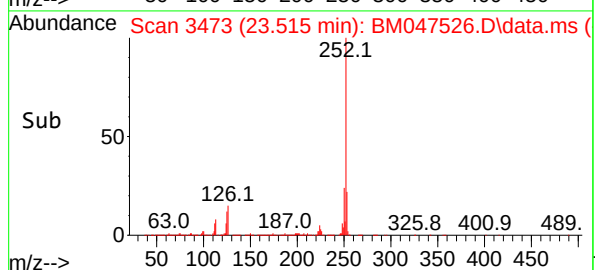
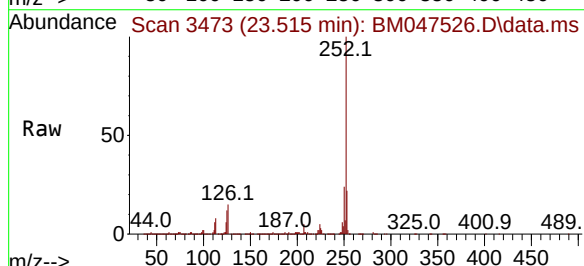
Manual Integrations
APPROVED

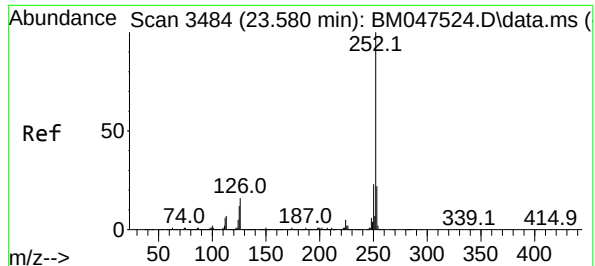
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 3484

Delta R.T. 0.000 min

Lab File: BM047526.D

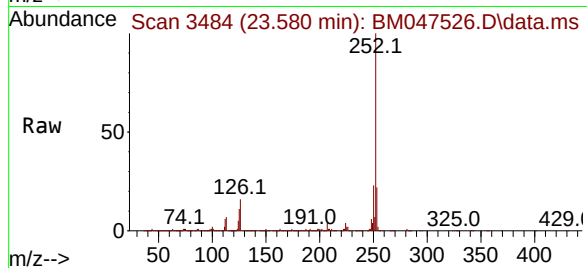
Acq: 14 Sep 2024 15:54

Instrument :

BNA_M

ClientSampleId :

SSTDICC060



Tgt Ion:252 Resp: 502624

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

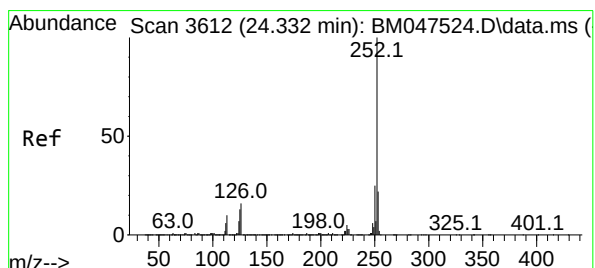
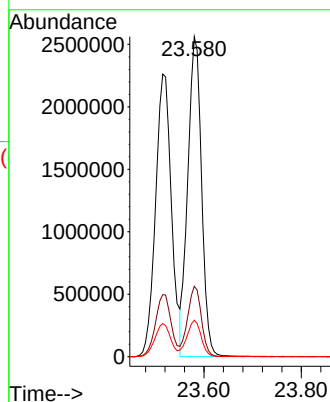
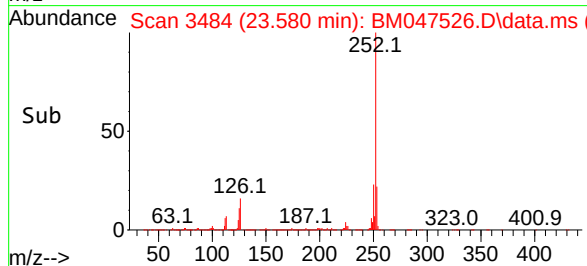
125 11.4 9.5 14.3

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

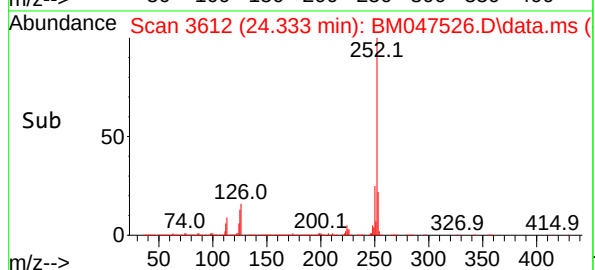
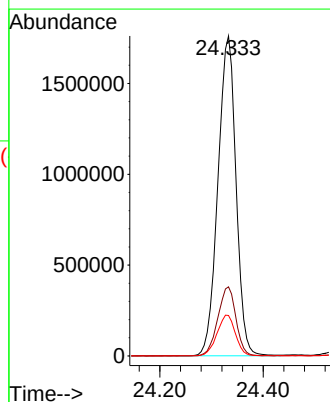
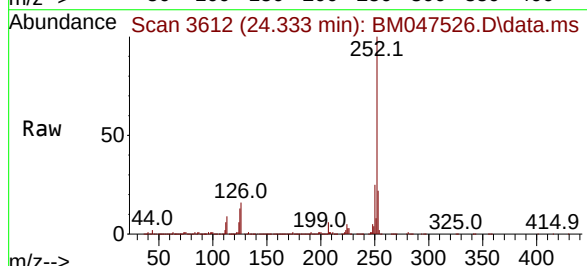
Tgt Ion:252 Resp: 4276255

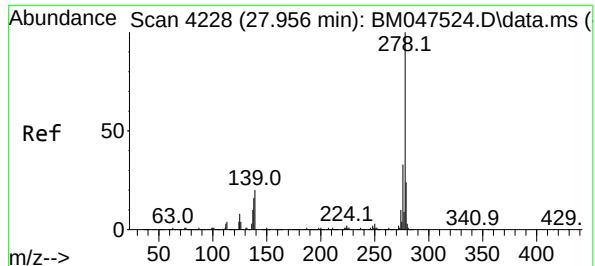
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

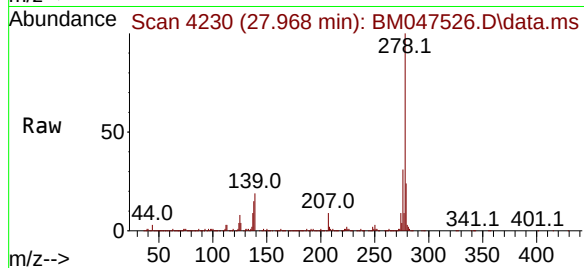
125 12.7 10.2 15.4





#91
Dibenzo(a,h)anthracene
Concen: 71.370 ng
RT: 27.968 min Scan# 41
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

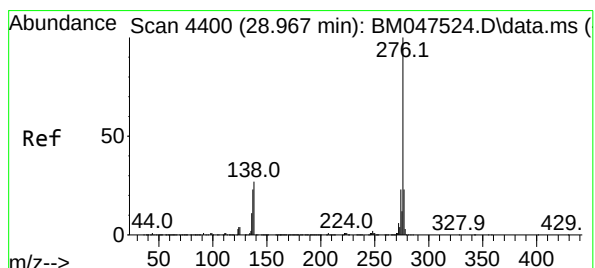
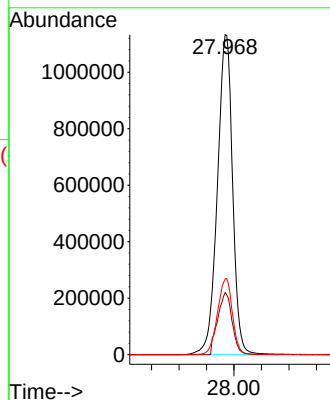
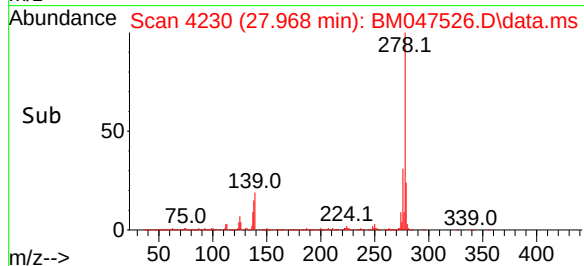
Instrument :
BNA_M
ClientSampleId :
SSTDICC060



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

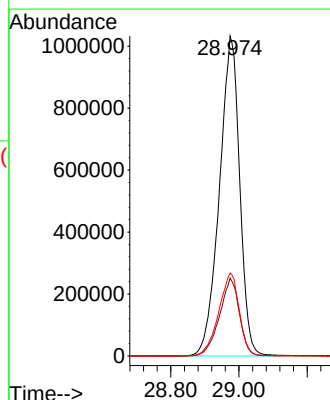
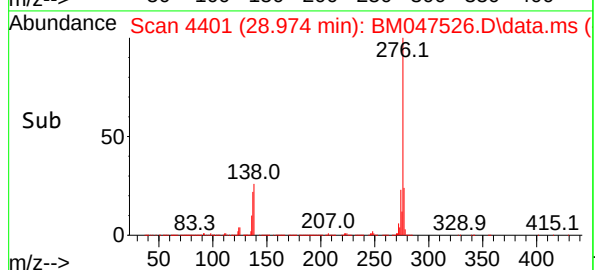
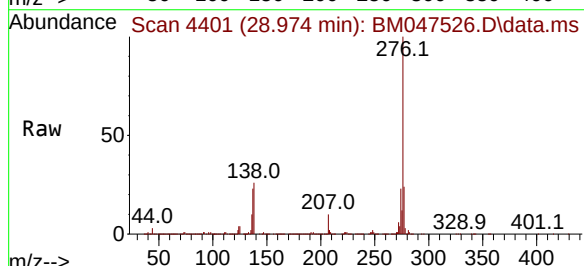
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 71.434 ng
RT: 28.974 min Scan# 4401
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:276 Resp: 4255468
Ion Ratio Lower Upper
276 100
277 24.4 18.6 28.0
138 25.9 21.5 32.3



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

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:51:34 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:43:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	404285	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1796687	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	1057761	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	2067717	20.000	ng	0.00
76) Chrysene-d12	21.445	240	1942846	20.000	ng	0.00
86) Perylene-d12	24.474	264	1576393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	4271874	168.242	ng	0.00
7) Phenol-d6	7.016	99	6162085	172.327	ng	0.00
23) Nitrobenzene-d5	9.010	82	5790861	161.302	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1999370	195.553	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	12747745	166.014	ng	0.00
79) Terphenyl-d14	19.827	244	13800852	127.289	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	813015	74.756	ng	98
3) Pyridine	3.716	79	2567963m	79.346	ng	
4) n-Nitrosodimethylamine	3.628	42	1142344	77.774	ng	99
6) Aniline	7.181	93	2567465	80.988	ng	99
8) 2-Chlorophenol	7.416	128	2324724	83.052	ng	98
9) Benzaldehyde	6.987	77	1038190	61.060	ng	98
10) Phenol	7.046	94	3007878	84.009	ng	96
11) bis(2-Chloroethyl)ether	7.275	93	2286948	79.561	ng	99
12) 1,3-Dichlorobenzene	7.740	146	2435858	79.505	ng	99
13) 1,4-Dichlorobenzene	7.887	146	2498023	80.050	ng	99
14) 1,2-Dichlorobenzene	8.204	146	2491331	81.123	ng	99
15) Benzyl Alcohol	8.093	79	2057266	84.936	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	3052483	75.492	ng	99
17) 2-Methylphenol	8.293	107	1903443	83.218	ng	97
18) Hexachloroethane	8.940	117	977874	78.443	ng	99
19) n-Nitroso-di-n-propyla...	8.669	70	1992320	82.637	ng	97
20) 3+4-Methylphenols	8.622	107	2684322	84.108	ng	99
22) Acetophenone	8.675	105	3824012	80.956	ng	98
24) Nitrobenzene	9.051	77	2892211	78.400	ng	98
25) Isophorone	9.581	82	5147890	81.564	ng	98
26) 2-Nitrophenol	9.757	139	1178242	93.728	ng	98
27) 2,4-Dimethylphenol	9.822	122	1580029	82.915	ng	100
28) bis(2-Chloroethoxy)met...	10.057	93	3159251	79.689	ng	100
29) 2,4-Dichlorophenol	10.293	162	2120521	87.588	ng	100
30) 1,2,4-Trichlorobenzene	10.510	180	2299410	82.914	ng	98
31) Naphthalene	10.698	128	7931552	81.739	ng	99
32) Benzoic acid	10.010	122	1633674	81.568	ng	99
33) 4-Chloroaniline	10.804	127	2895334	82.527	ng	99
34) Hexachlorobutadiene	10.992	225	1253407	81.599	ng	99
35) Caprolactam	11.610	113	713610m	89.483	ng	
36) 4-Chloro-3-methylphenol	11.928	107	2422201	87.301	ng	99
37) 2-Methylnaphthalene	12.310	142	5533461	85.681	ng	99
38) 1-Methylnaphthalene	12.528	142	5458215	85.045	ng	99
40) 1,2,4,5-Tetrachloroben...	12.681	216	2478282	86.585	ng	99
41) Hexachlorocyclopentadiene	12.663	237	767897	82.067	ng	98
43) 2,4,6-Trichlorophenol	12.916	196	1608158	89.682	ng	99

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

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:51:34 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:43:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	1807737	89.254	ng	96
46) 1,1'-Biphenyl	13.322	154	6900085	83.841	ng	99
47) 2-Chloronaphthalene	13.363	162	5299327	82.926	ng	100
48) 2-Nitroaniline	13.557	65	1636291	87.177	ng	95
49) Acenaphthylene	14.204	152	7902521	85.694	ng	99
50) Dimethylphthalate	13.951	163	6053832	83.970	ng	99
51) 2,6-Dinitrotoluene	14.057	165	1339809	88.032	ng	96
52) Acenaphthene	14.551	154	5646673	87.391	ng	98
53) 3-Nitroaniline	14.386	138	1507991	89.143	ng	92
54) 2,4-Dinitrophenol	14.586	184	687253	80.155	ng	88
55) Dibenzofuran	14.880	168	7658287	84.345	ng	99
56) 4-Nitrophenol	14.686	139	1275528	91.631	ng	96
57) 2,4-Dinitrotoluene	14.839	165	1862347	91.750	ng	95
58) Fluorene	15.527	166	6958364	85.121	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.104	232	1418100	89.803	ng	98
60) Diethylphthalate	15.310	149	6548466	85.346	ng	98
61) 4-Chlorophenyl-phenyle...	15.527	204	3240239	86.689	ng	96
62) 4-Nitroaniline	15.545	138	1774673	89.247	ng	99
63) Azobenzene	15.816	77	6753769	79.939	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	930135	82.293	ng	86
66) n-Nitrosodiphenylamine	15.739	169	5343062	84.468	ng	99
67) 4-Bromophenyl-phenylether	16.416	248	1776087	88.401	ng	96
68) Hexachlorobenzene	16.533	284	1973858	86.722	ng	95
69) Atrazine	16.686	200	1491993	85.338	ng	99
70) Pentachlorophenol	16.869	266	1295032	98.154	ng	100
71) Phenanthrene	17.263	178	9619666	84.419	ng	99
72) Anthracene	17.351	178	9345063	85.358	ng	98
73) Carbazole	17.616	167	9447268	87.074	ng	100
74) Di-n-butylphthalate	18.186	149	11171302	86.054	ng	96
75) Fluoranthene	19.268	202	11144442	89.637	ng	95
78) Pyrene	19.627	202	11546013	81.473	ng	94
80) Butylbenzylphthalate	20.527	149	5169435	94.758	ng	94
81) Benzo(a)anthracene	21.427	228	10436413	82.413	ng	98
82) 3,3'-Dichlorobenzidine	21.351	252	2865589	85.067	ng	99
83) Chrysene	21.492	228	9790429	81.737	ng	98
84) Bis(2-ethylhexyl)phtha...	21.362	149	8042940	94.112	ng	97
85) Di-n-octyl phthalate	22.509	149	12044470	99.636	ng	96
87) Indeno(1,2,3-cd)pyrene	27.915	276	7774612	82.411	ng	98
88) Benzo(b)fluoranthene	23.521	252	9031581	88.549	ng	99
89) Benzo(k)fluoranthene	23.586	252	8979117	88.828	ng	99
90) Benzo(a)pyrene	24.339	252	7381766	88.303	ng	99
91) Dibenzo(a,h)anthracene	27.980	278	6673296	84.077	ng	98
92) Benzo(g,h,i)perylene	28.985	276	6230387	80.358	ng	99

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

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

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

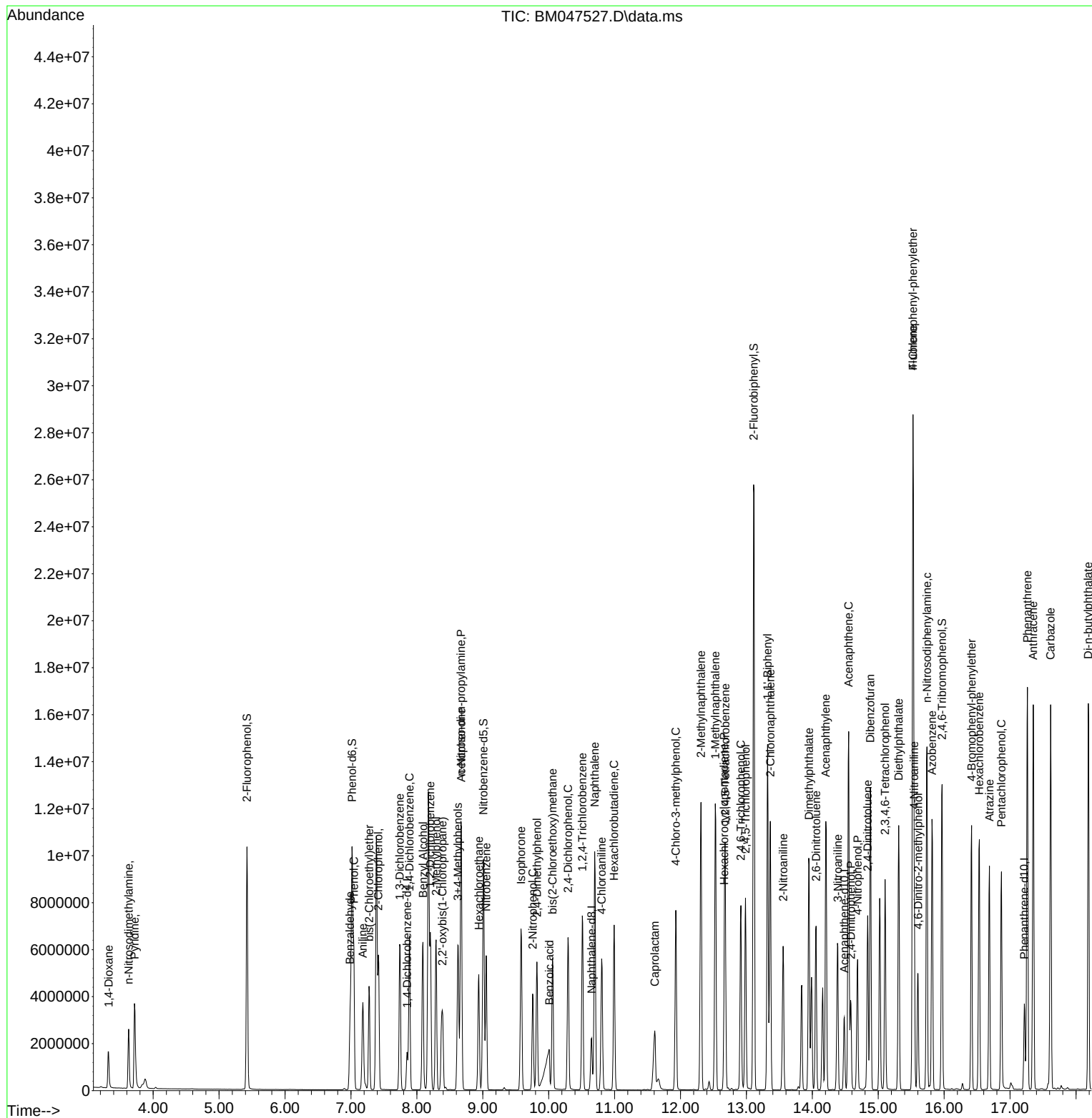
Quant Time: Sep 15 08:51:34 2024

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



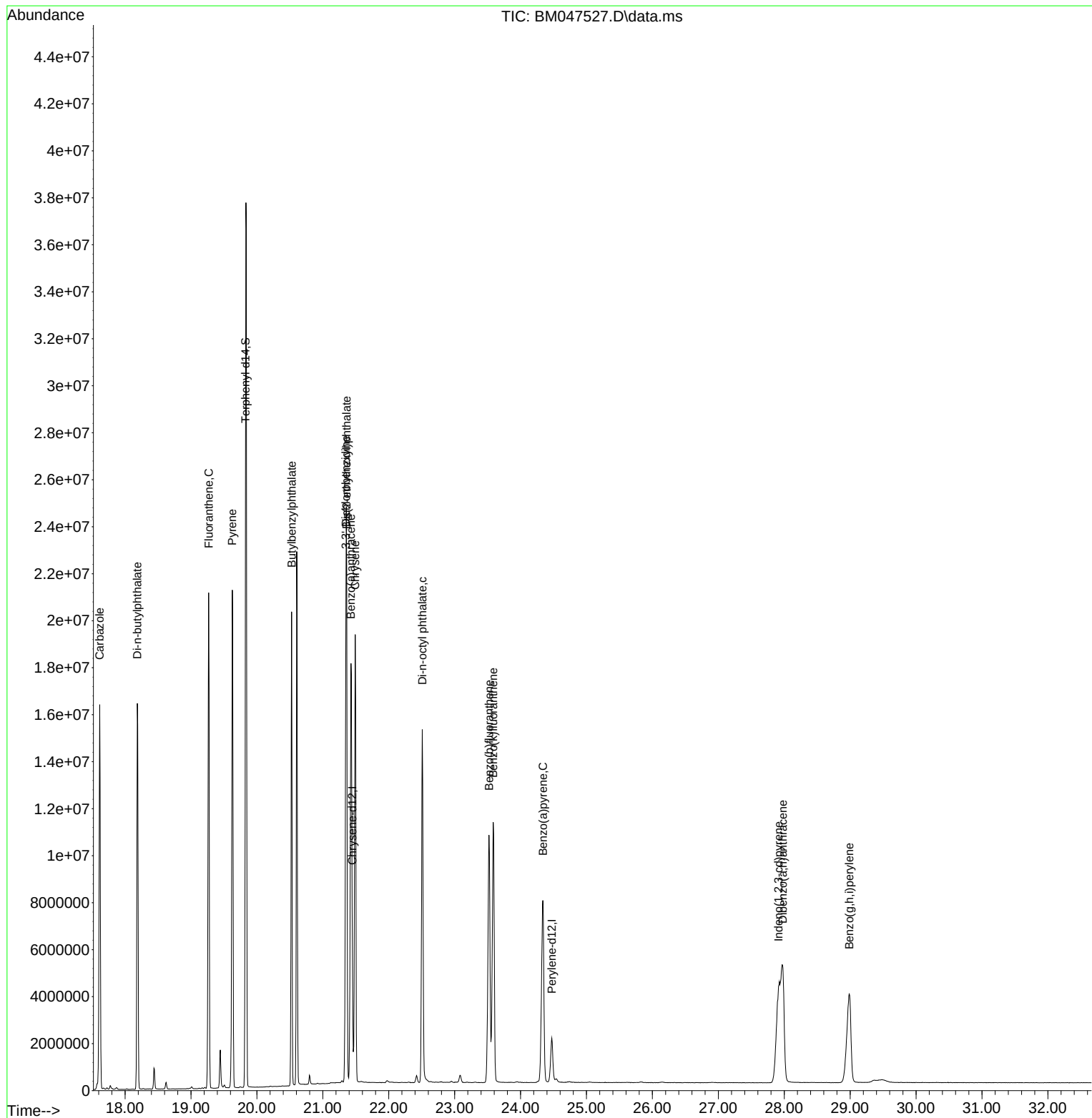
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Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

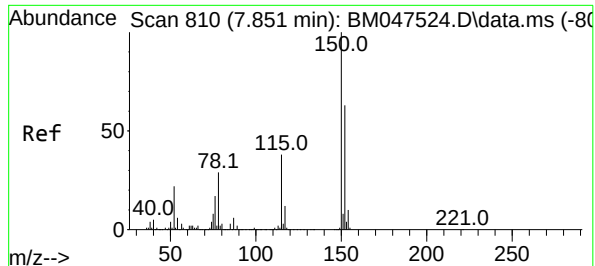
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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

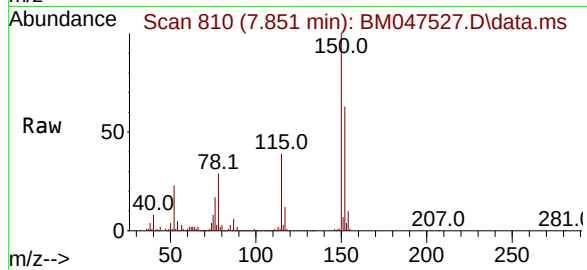
Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

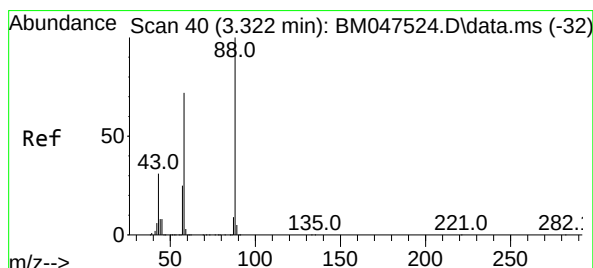
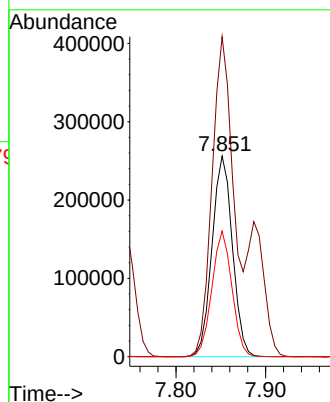
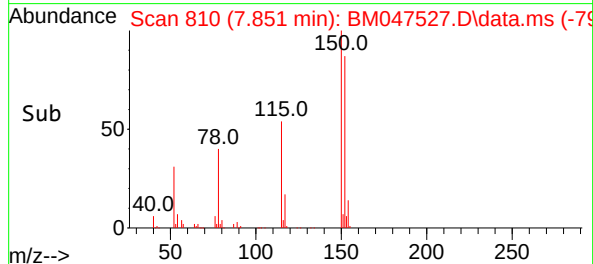
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 152 Resp: 404285
Ion Ratio Lower Upper
152 100
150 159.5 126.8 190.2
115 62.6 47.8 71.8

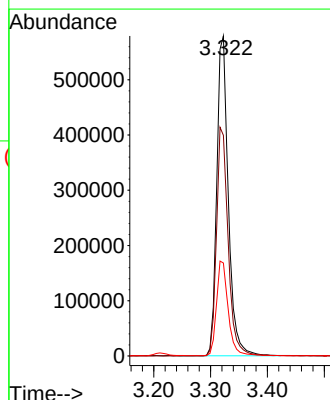
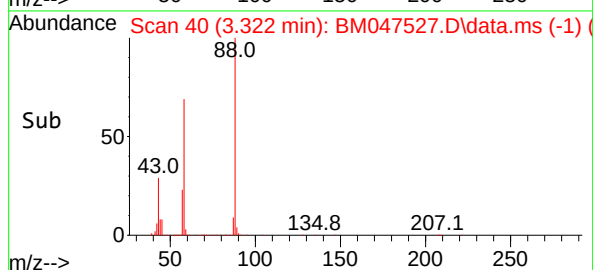
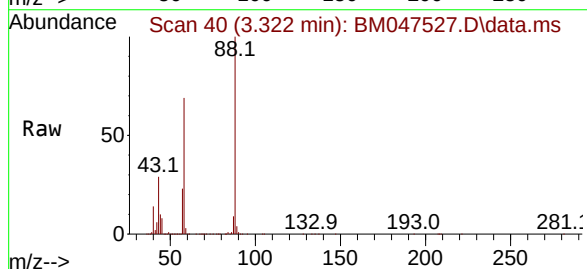
Manual Integrations
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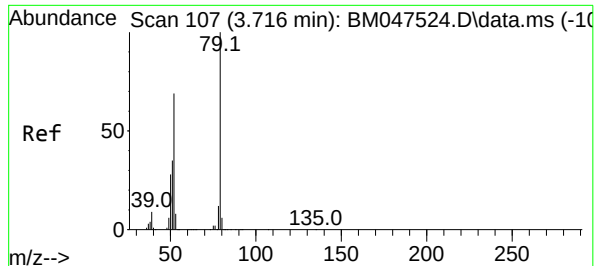
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

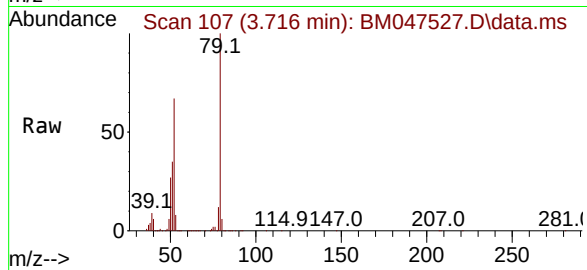
Tgt Ion: 88 Resp: 813015
Ion Ratio Lower Upper
88 100
58 72.5 59.0 88.6
43 29.9 25.0 37.4





#3
Pyridine
Concen: 79.346 ng m
RT: 3.716 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

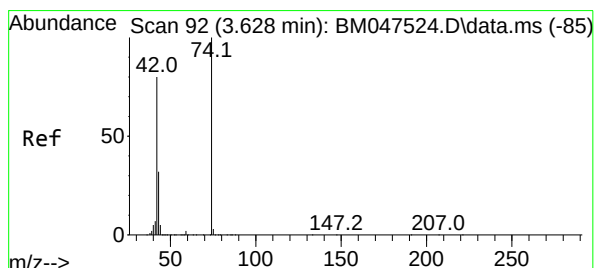
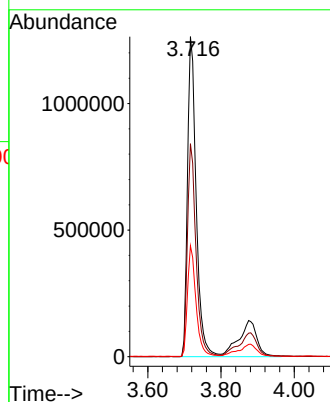
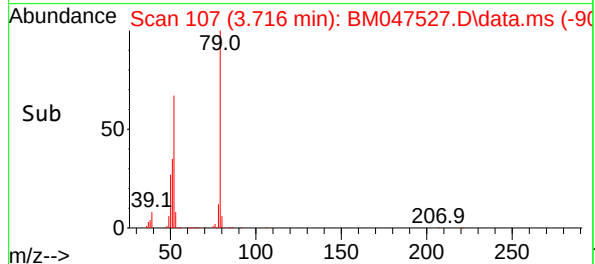
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

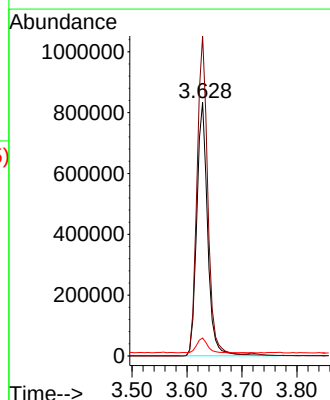
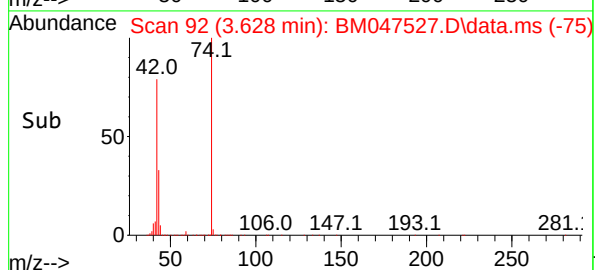
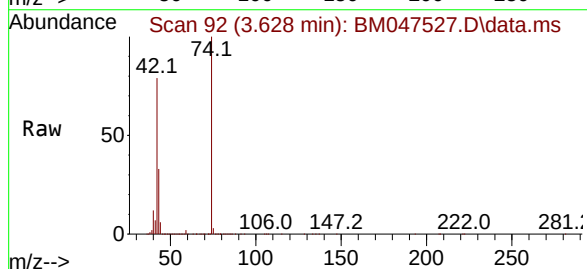
Manual Integrations
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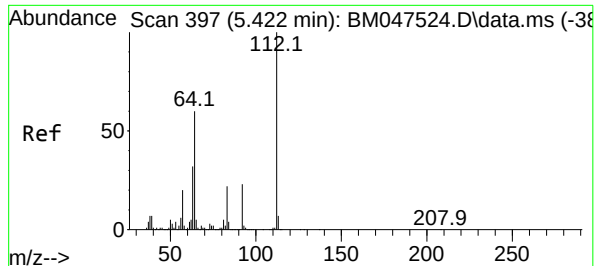
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

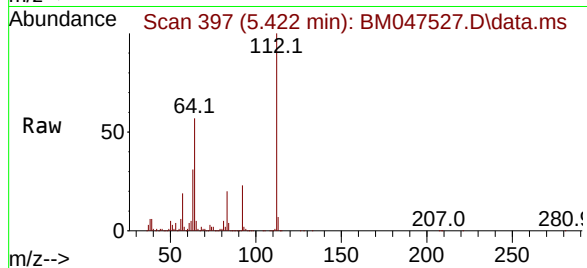
Tgt Ion: 42 Resp: 1142344
Ion Ratio Lower Upper
42 100
74 126.2 100.5 150.7
44 7.1 6.9 10.3





#5
2-Fluorophenol
Concen: 168.242 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

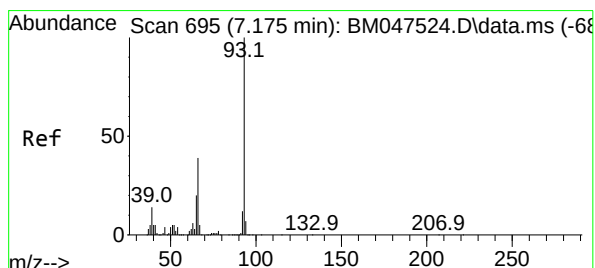
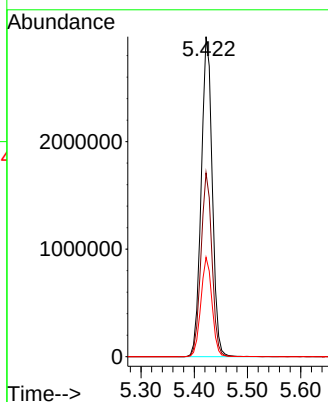
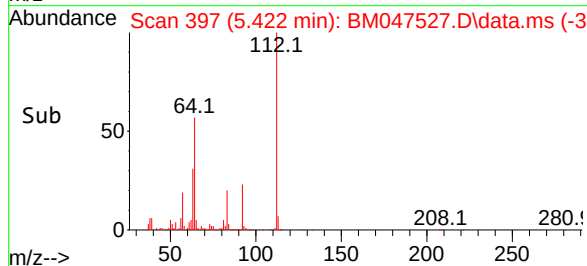
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 4271874
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.4
63 31.1 26.0 39.0

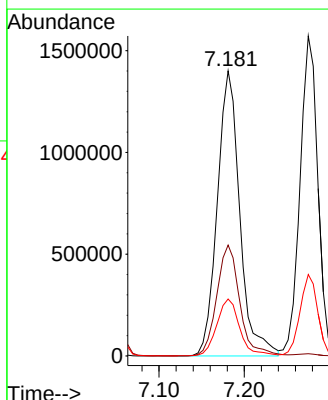
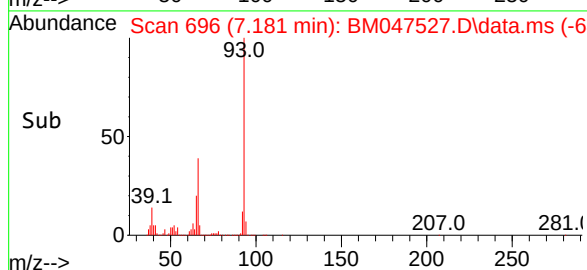
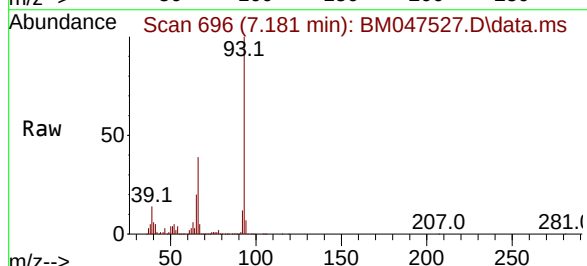
Manual Integrations
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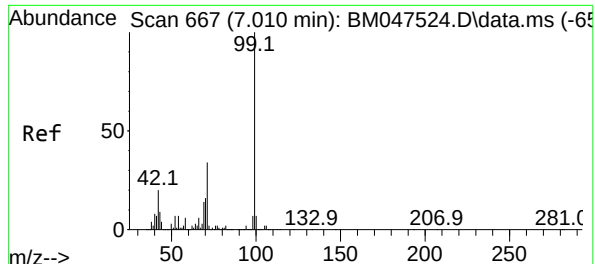
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

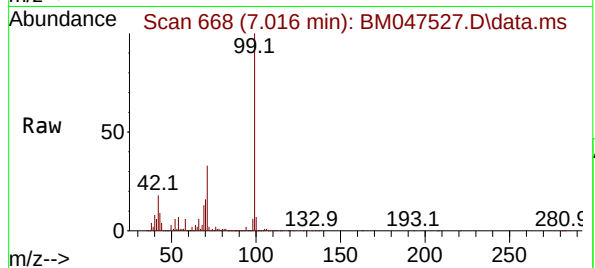
Tgt Ion: 93 Resp: 2567465
Ion Ratio Lower Upper
93 100
66 38.9 31.4 47.0
65 20.0 16.3 24.5





#7
Phenol-d6
Concen: 172.327 ng
RT: 7.016 min Scan# 667
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

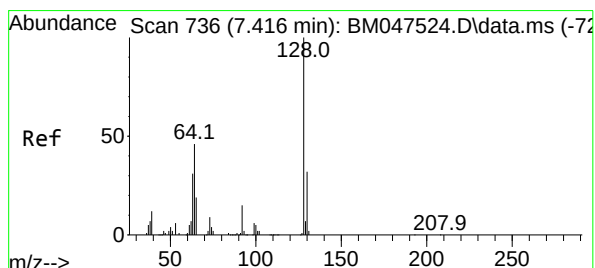
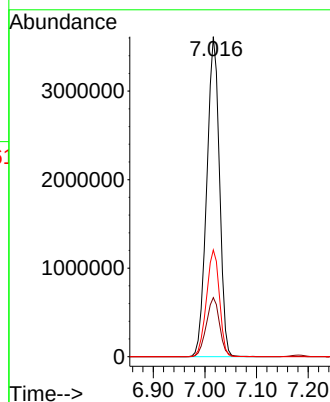
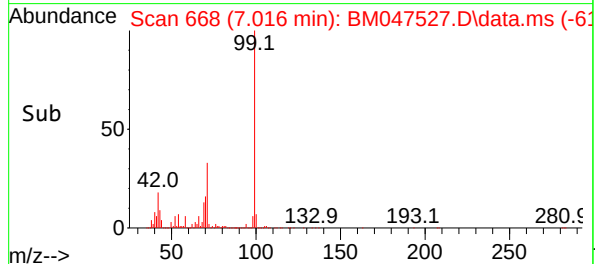
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 99 Resp: 6162085
Ion Ratio Lower Upper
99 100
42 18.5 15.8 23.8
71 33.4 27.6 41.4

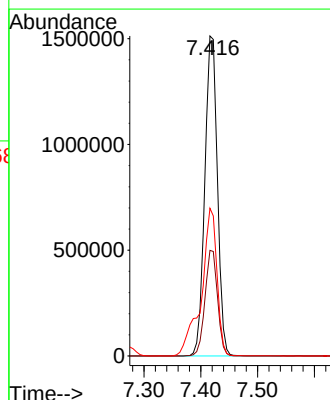
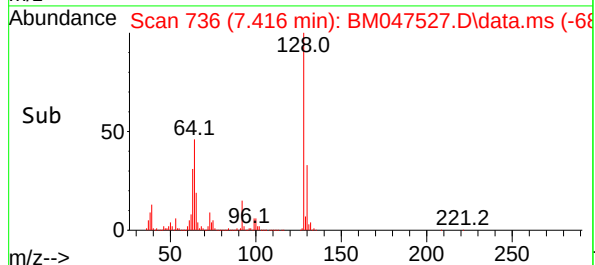
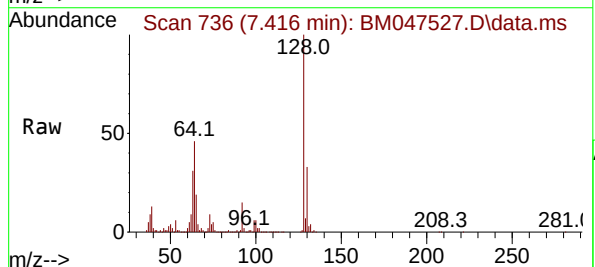
Manual Integrations
APPROVED

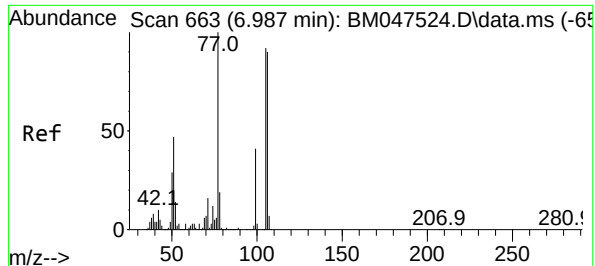
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

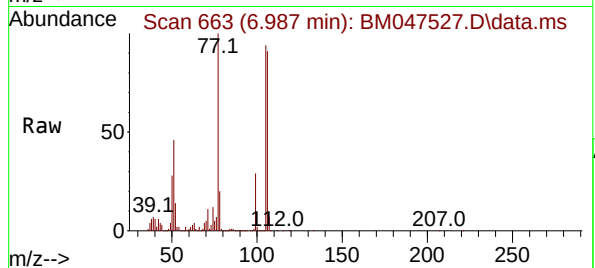
Tgt Ion:128 Resp: 2324724
Ion Ratio Lower Upper
128 100
130 33.0 11.8 51.8
64 46.2 27.6 67.6





#9
Benzaldehyde
Concen: 61.060 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

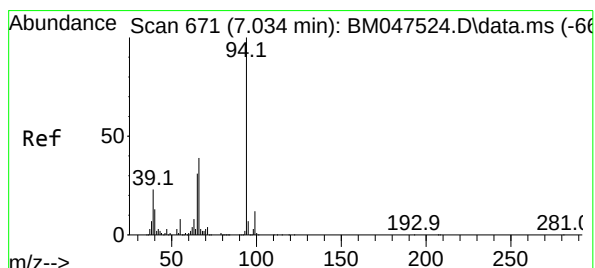
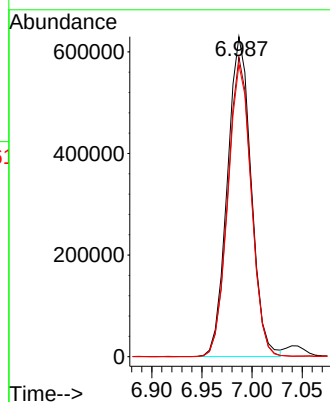
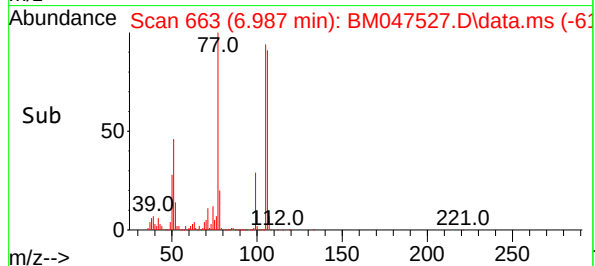
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 1038190
Ion Ratio Lower Upper
77 100
105 93.5 71.8 111.8
106 91.2 69.7 109.7

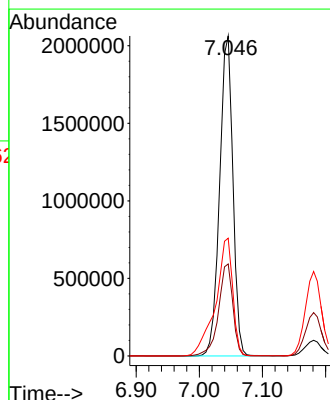
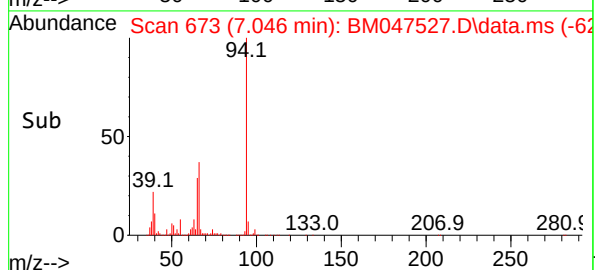
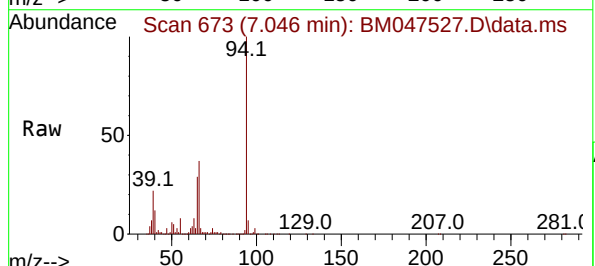
Manual Integrations
APPROVED

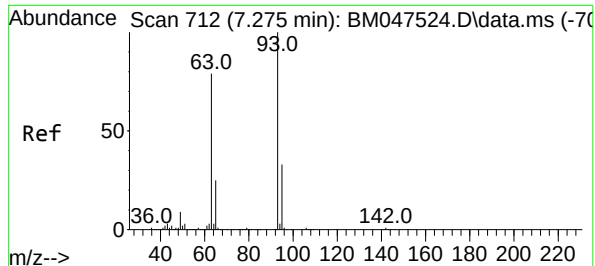
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

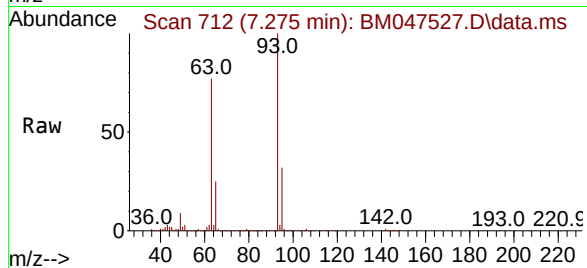
Tgt Ion: 94 Resp: 3007878
Ion Ratio Lower Upper
94 100
65 28.8 10.8 50.8
66 36.8 19.2 59.2





#11
bis(2-Chloroethyl)ether
Concen: 79.561 ng
RT: 7.275 min Scan# 712
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

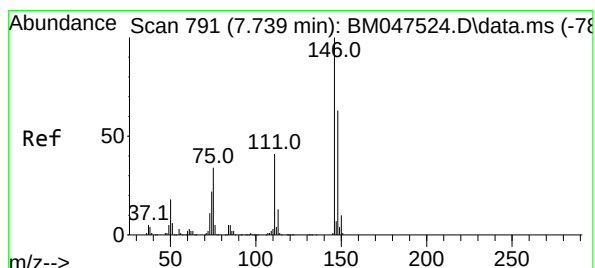
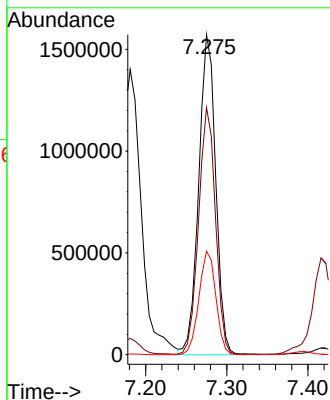
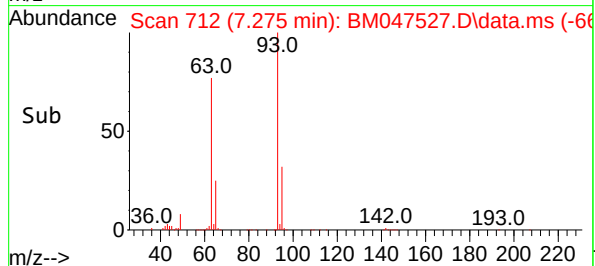
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 93 Resp: 2286948
Ion Ratio Lower Upper
93 100
63 77.3 58.2 98.2
95 32.3 12.8 52.8

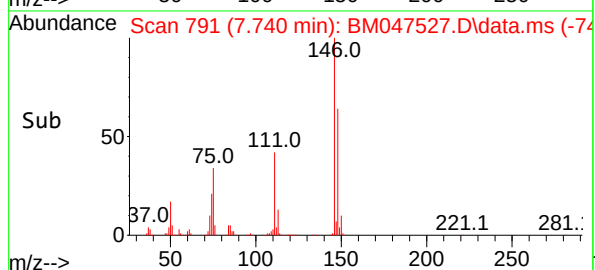
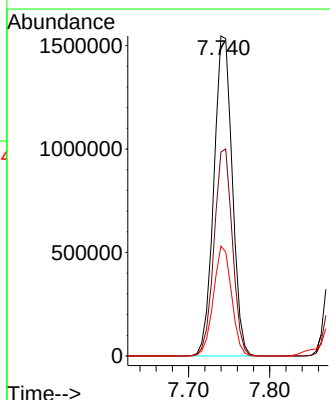
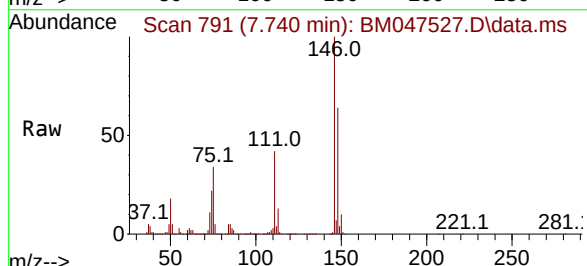
Manual Integrations
APPROVED

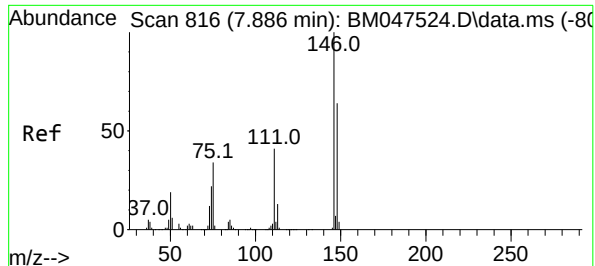
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 249802

Ion Ratio Lower Upper

146 100

148 63.6 51.3 76.9

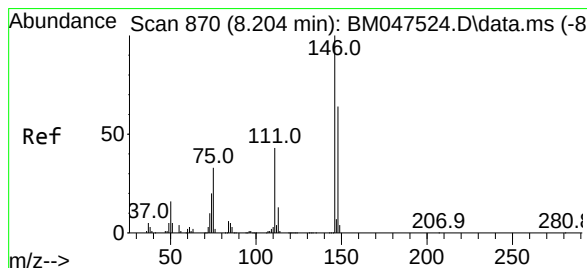
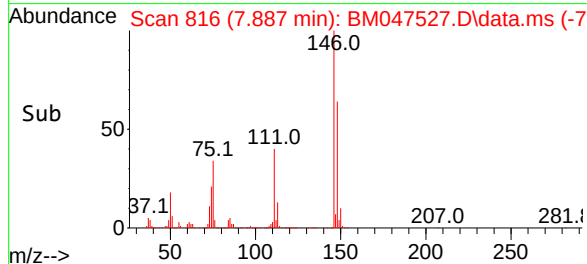
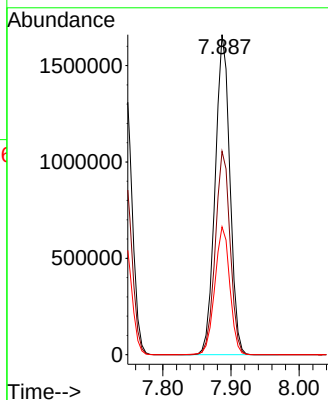
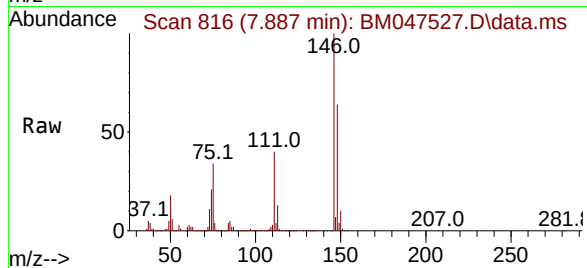
111 39.9 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

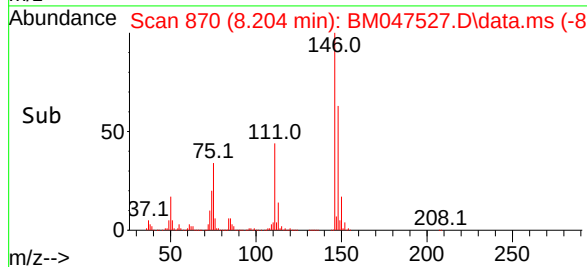
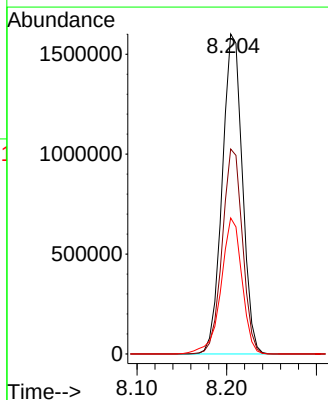
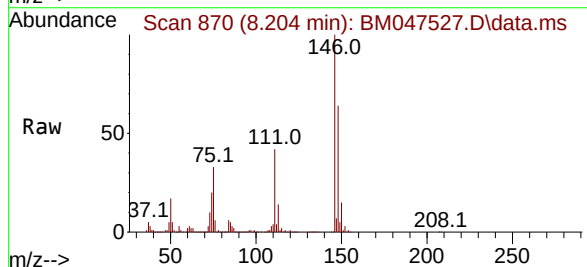
Tgt Ion:146 Resp: 2491331

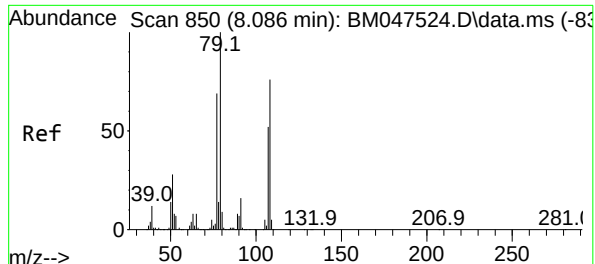
Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

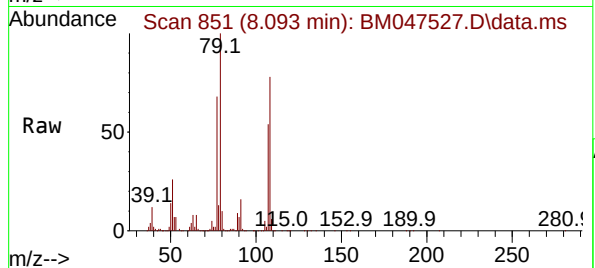
111 42.5 34.7 52.1





#15
Benzyl Alcohol
Concen: 84.936 ng
RT: 8.093 min Scan# 801
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

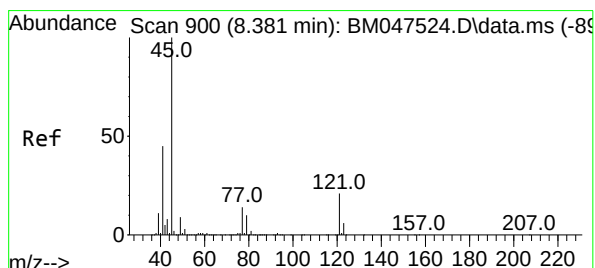
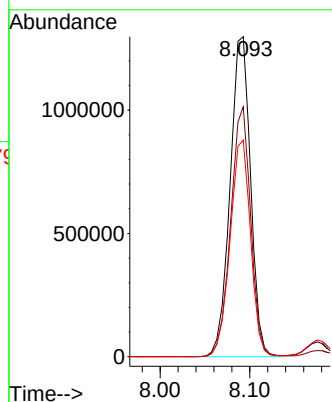
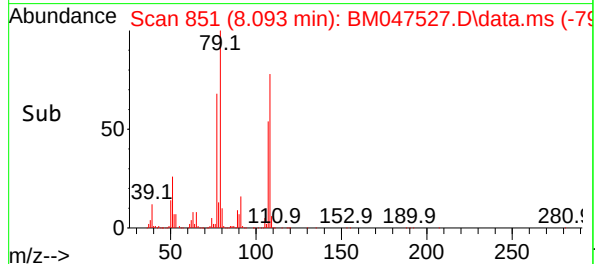
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 2057260
Ion Ratio Lower Upper
79 100
108 78.1 60.6 91.0
77 67.7 55.0 82.4

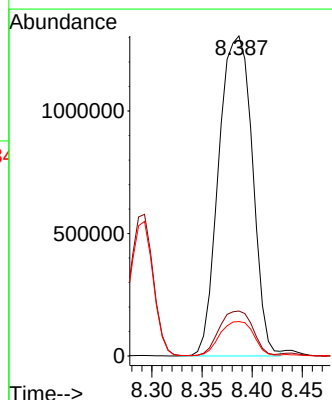
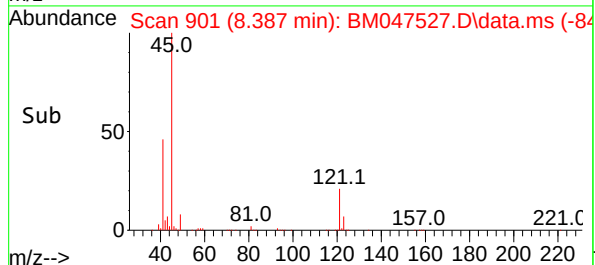
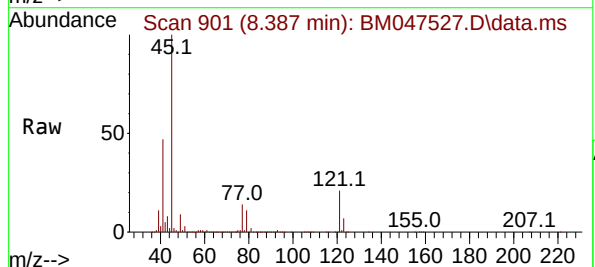
Manual Integrations
APPROVED

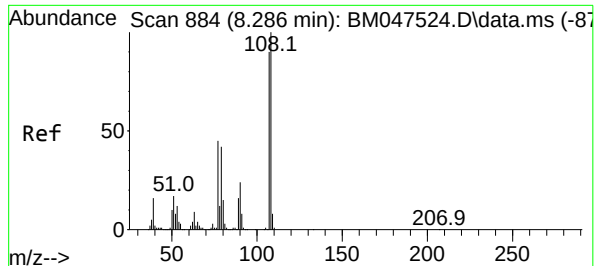
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 885

Delta R.T. 0.006 min

Lab File: BM047527.D

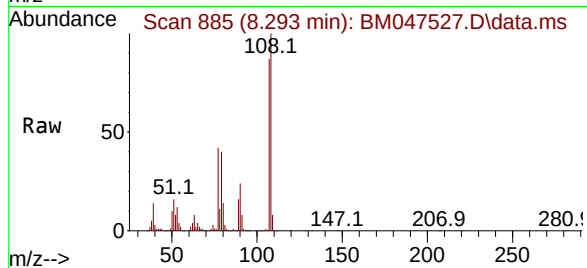
Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080



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

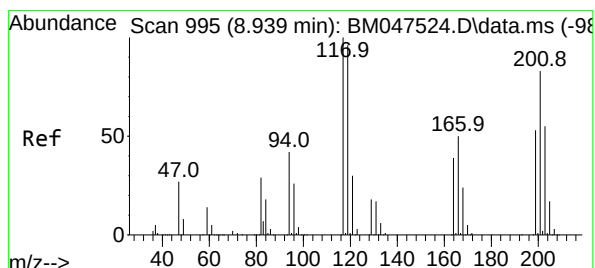
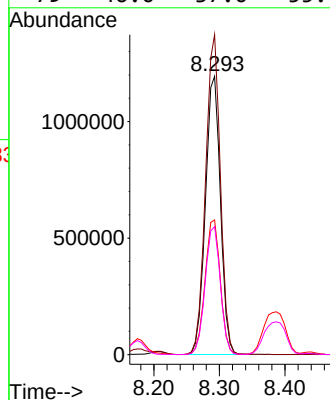
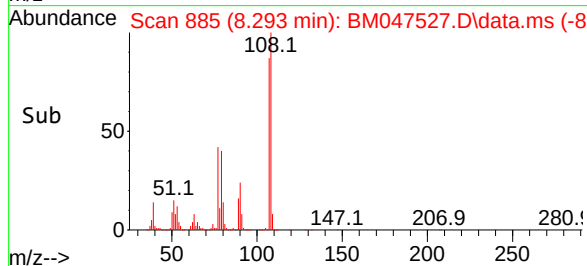
79 46.0 37.0 55.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#18

Hexachloroethane

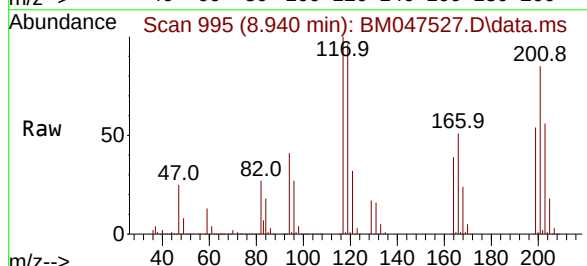
Concen: 78.443 ng

RT: 8.940 min Scan# 995

Delta R.T. 0.000 min

Lab File: BM047527.D

Acq: 14 Sep 2024 16:34



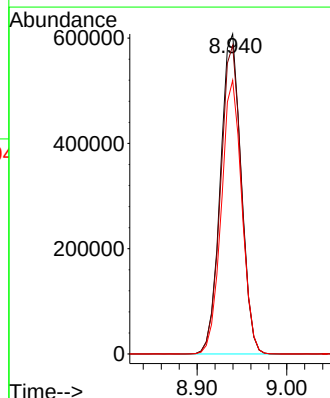
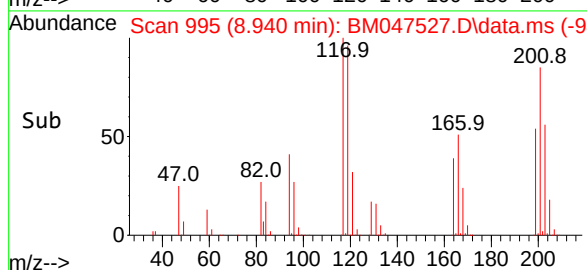
Tgt Ion:117 Resp: 977874

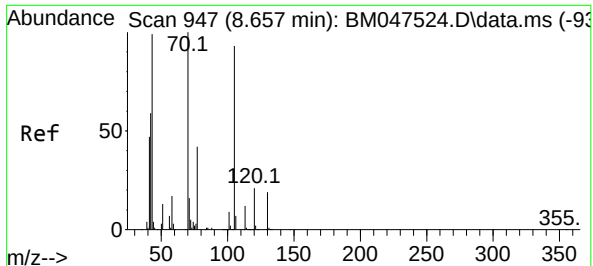
Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.4

201 85.5 66.8 100.2





#19

n-Nitroso-di-n-propylamine

Concen: 82.637 ng

RT: 8.669 min Scan# 94

Delta R.T. 0.012 min

Lab File: BM047527.D

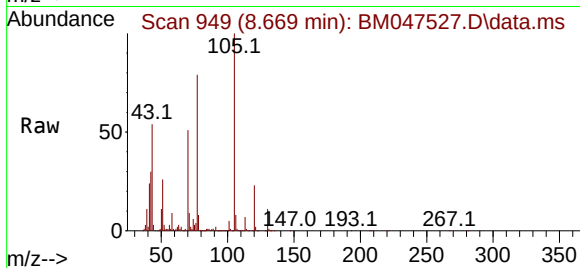
Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080



Tgt Ion: 70 Resp: 1992320

Ion Ratio Lower Upper

70 100

42 58.0 48.2 72.2

101 9.4 7.0 10.4

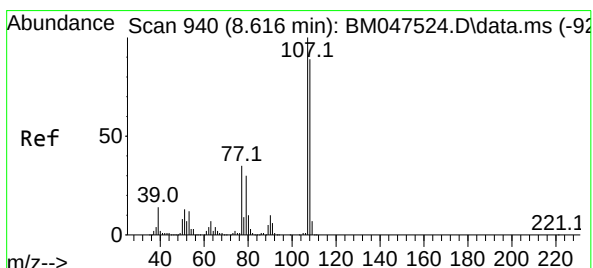
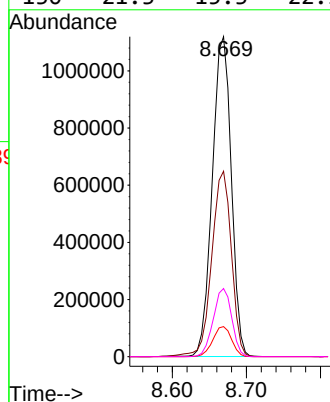
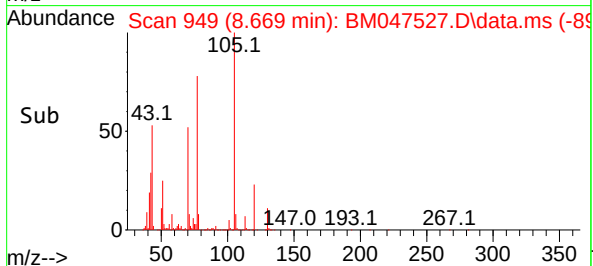
130 21.3 15.3 22.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

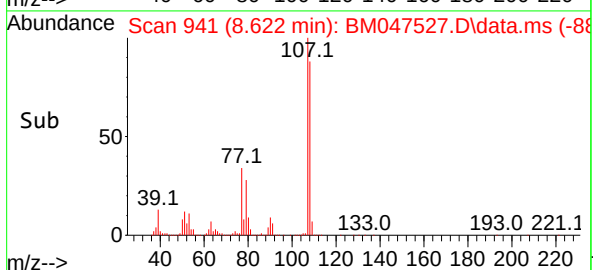
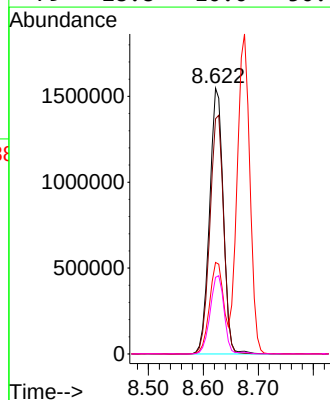
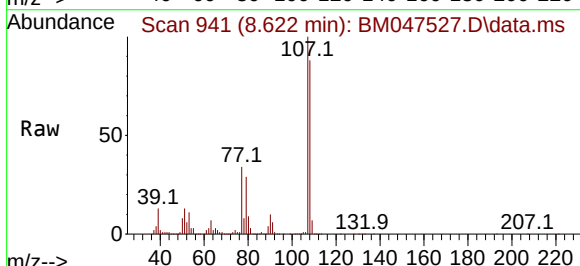
Ion Ratio Lower Upper

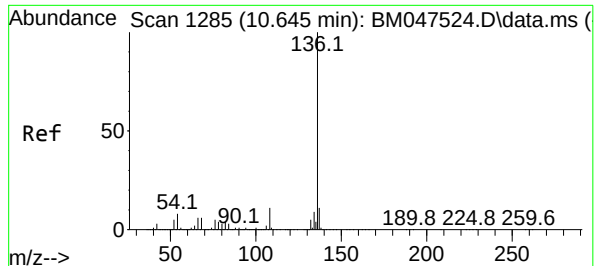
107 100

108 88.5 68.9 108.9

77 34.5 15.5 55.5

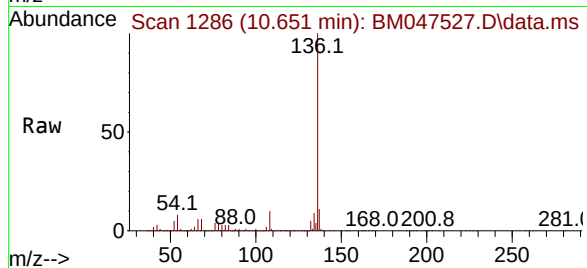
79 28.8 10.0 50.0





#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

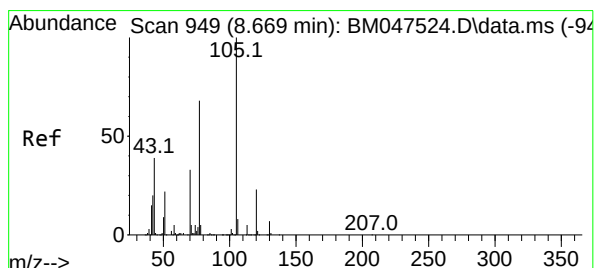
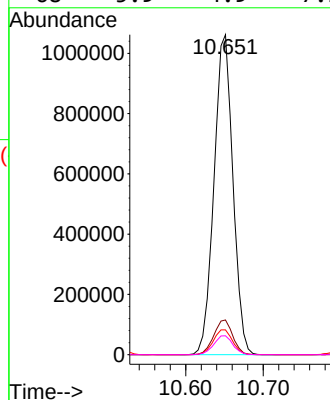
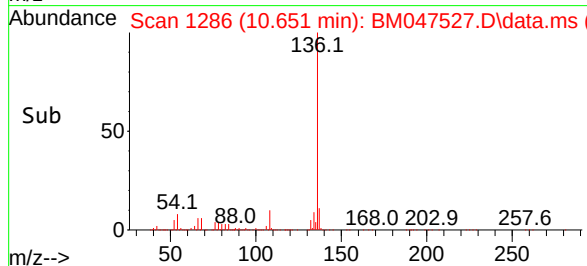
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 179668
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 7.7 6.6 9.8
68 5.9 4.9 7.3

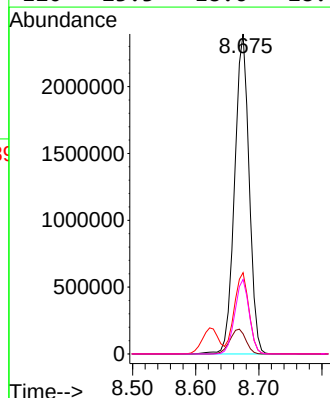
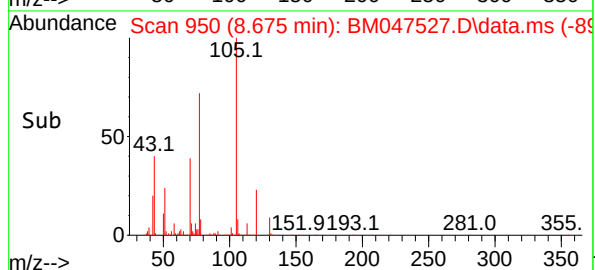
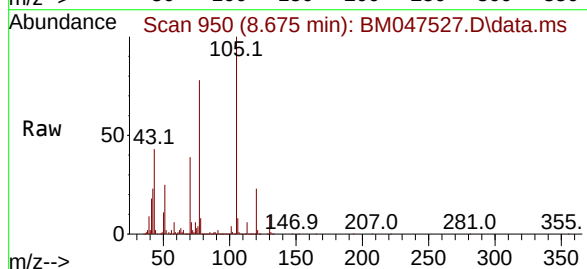
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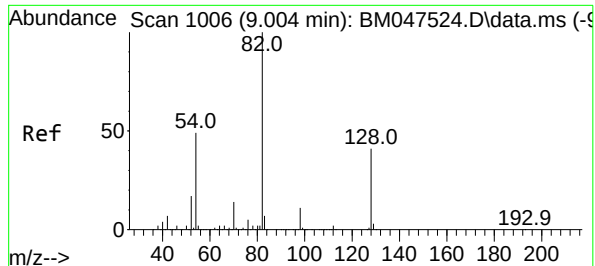
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

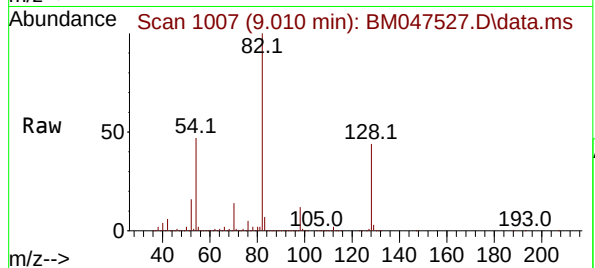
Tgt Ion:105 Resp: 3824012
Ion Ratio Lower Upper
105 100
71 6.3 4.3 6.5
51 25.4 21.5 32.3
120 23.3 18.6 28.0





#23
Nitrobenzene-d5
Concen: 161.302 ng
RT: 9.010 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

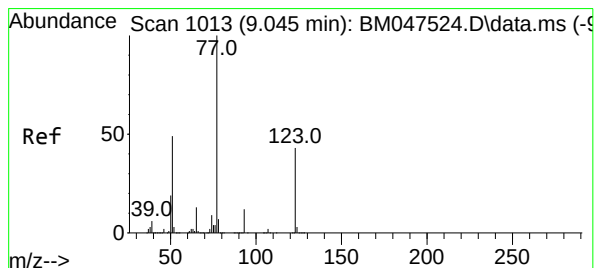
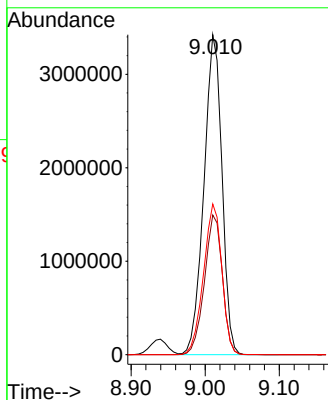
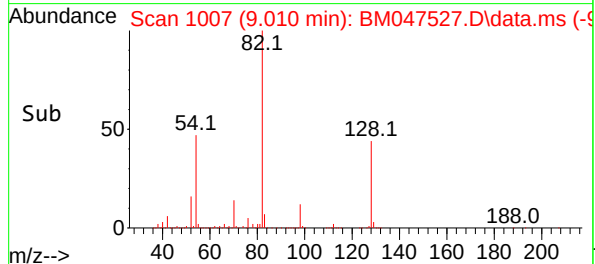
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

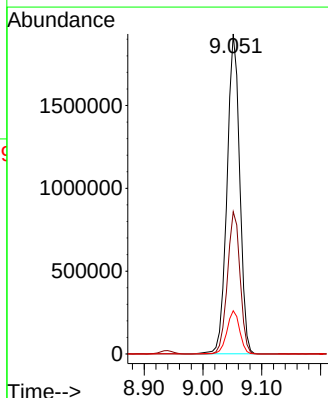
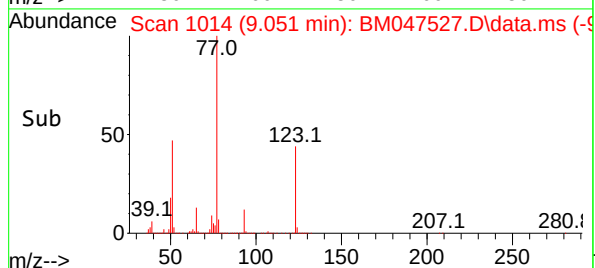
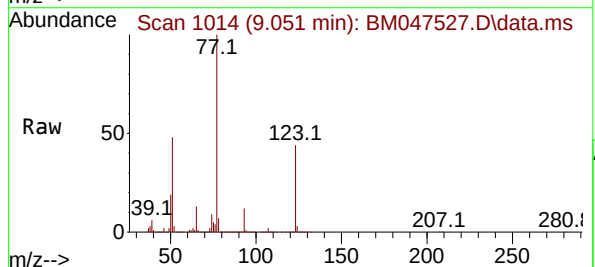
Manual Integrations
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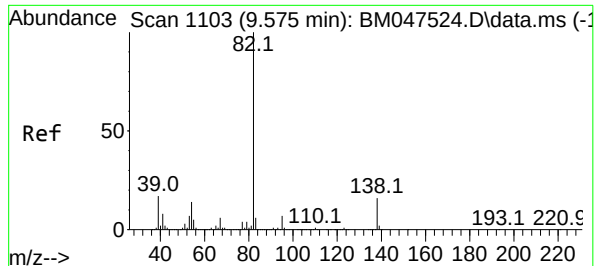
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

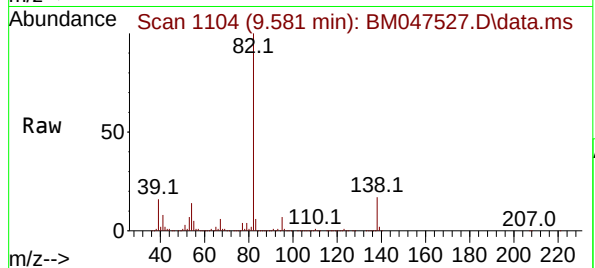
Tgt Ion: 77 Resp: 2892211
Ion Ratio Lower Upper
77 100
123 44.5 34.5 51.7
65 13.5 10.7 16.1





#25
Isophorone
Concen: 81.564 ng
RT: 9.581 min Scan# 1104
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

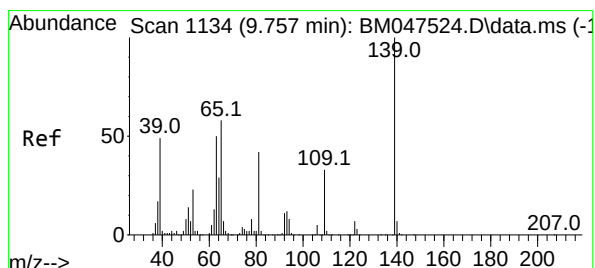
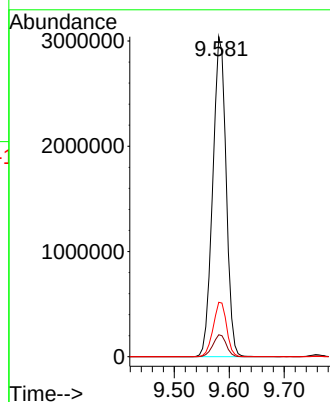
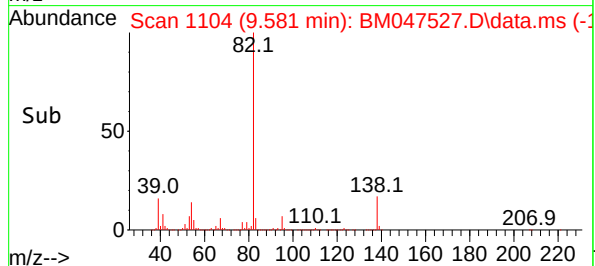
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 82 Resp: 5147890
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 17.0 12.9 19.3

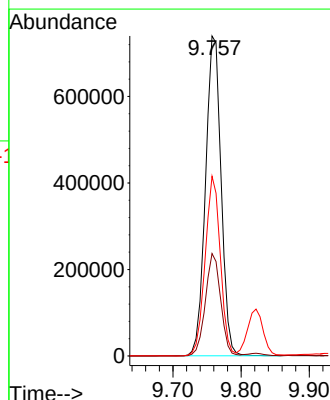
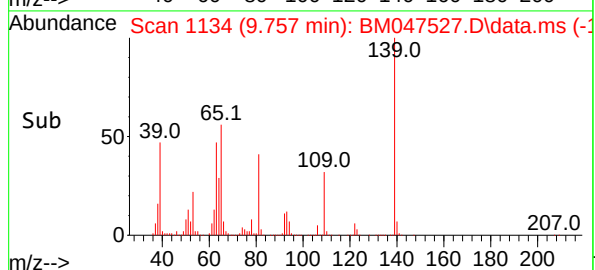
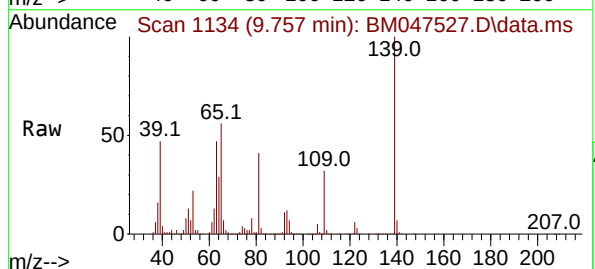
Manual Integrations
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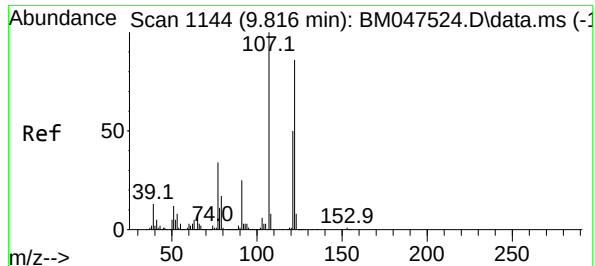
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





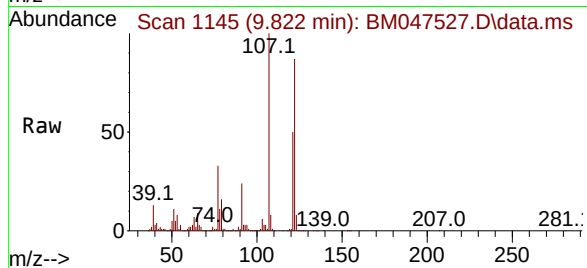
#27
2,4-Dimethylphenol
Concen: 82.915 ng
RT: 9.822 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080



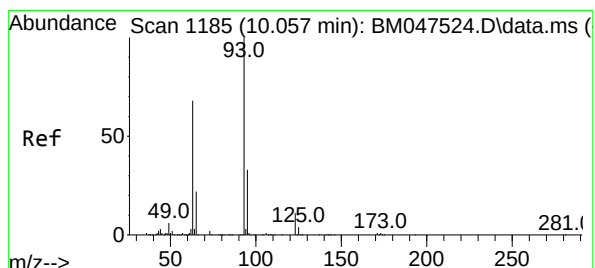
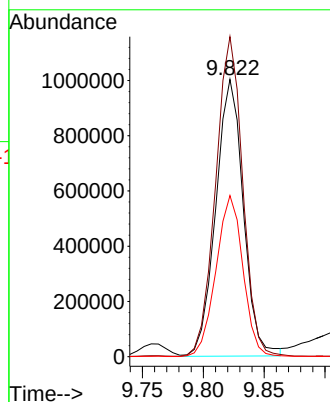
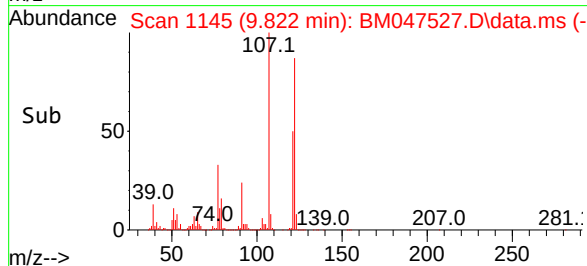
Tgt Ion:122 Resp: 1580029
Ion Ratio Lower Upper
122 100
107 115.4 92.4 138.6
121 58.1 46.2 69.4

Manual Integrations

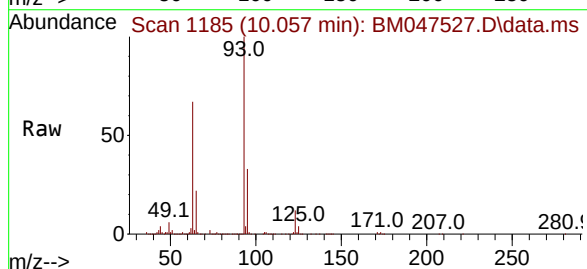
APPROVED

Reviewed By :Yogesh Patel 09/16/2024

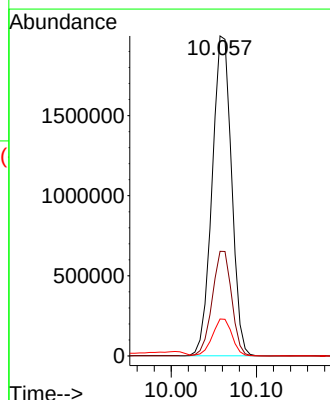
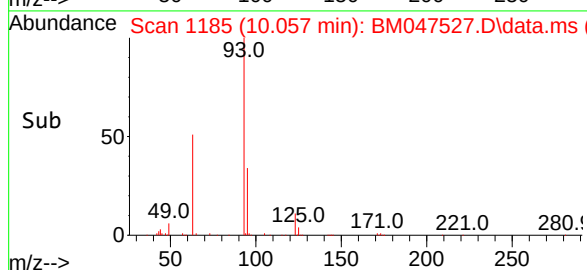
Supervised By :mohammad ahmed 09/17/2024

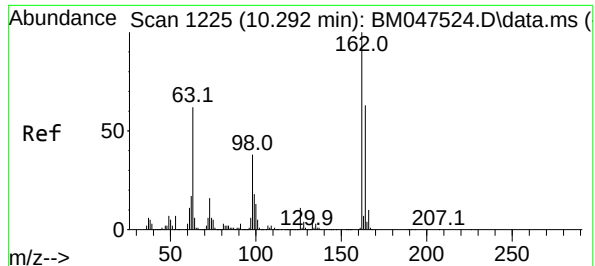


#28
bis(2-Chloroethoxy)methane
Concen: 79.689 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



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# 1225

Delta R.T. 0.000 min

Lab File: BM047527.D

Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 212052

Ion Ratio Lower Upper

162 100

164 63.8 43.5 83.5

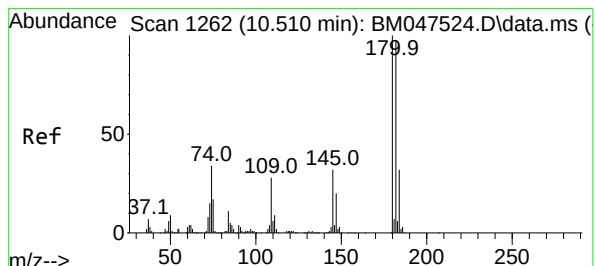
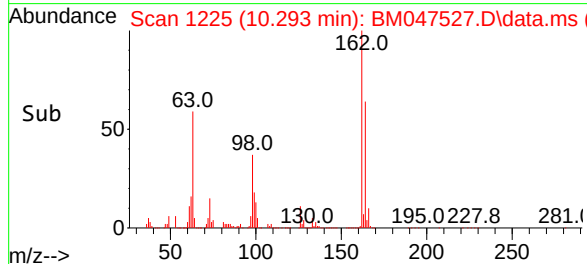
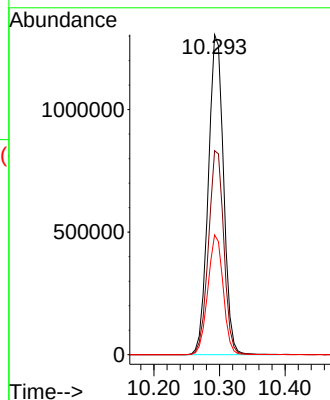
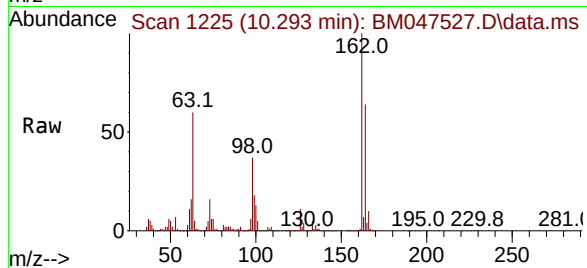
98 37.5 17.6 57.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

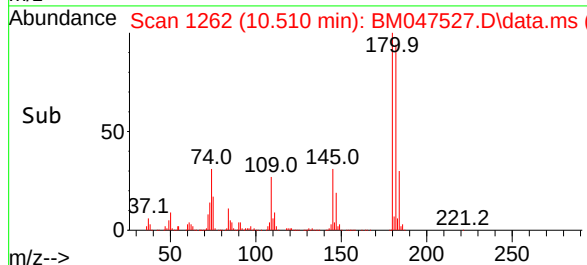
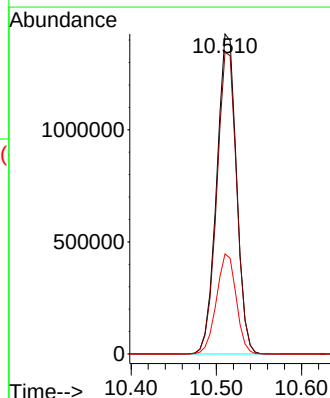
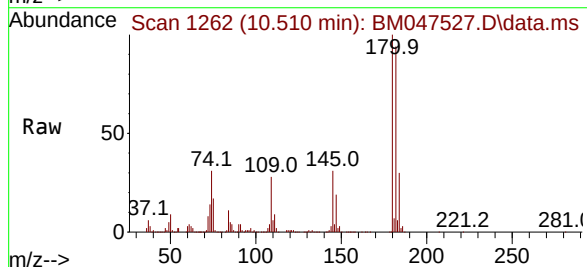
Tgt Ion:180 Resp: 2299410

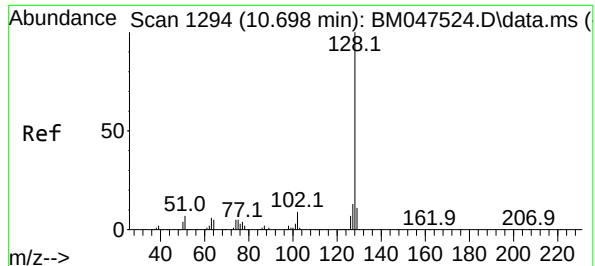
Ion Ratio Lower Upper

180 100

182 94.3 77.6 116.4

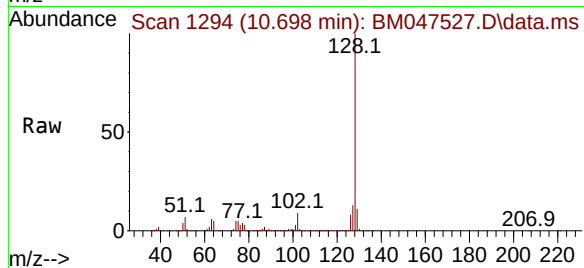
145 31.2 25.4 38.0





#31
Naphthalene
Concen: 81.739 ng
RT: 10.698 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

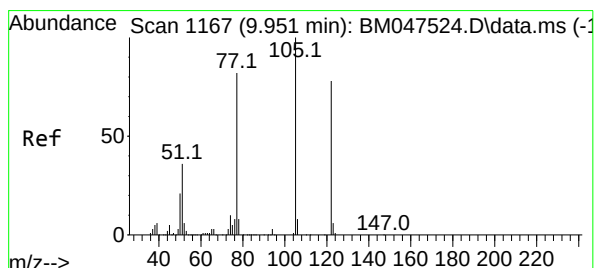
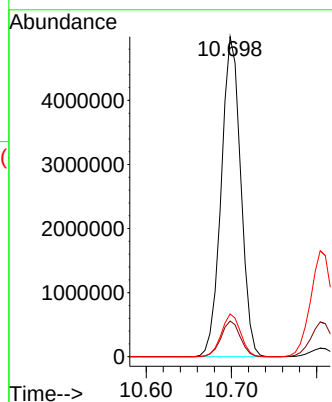
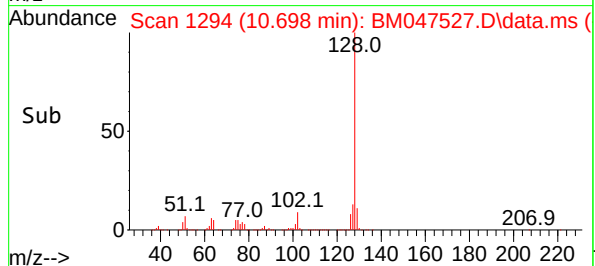
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 7931552
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.3 10.5 15.7

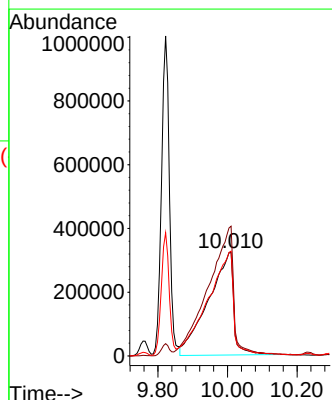
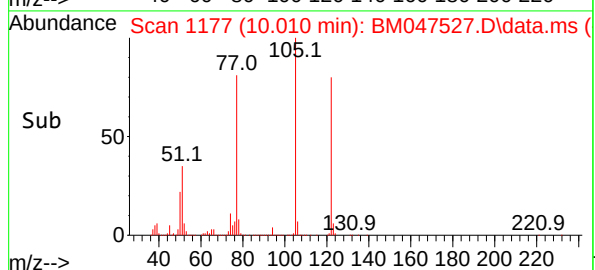
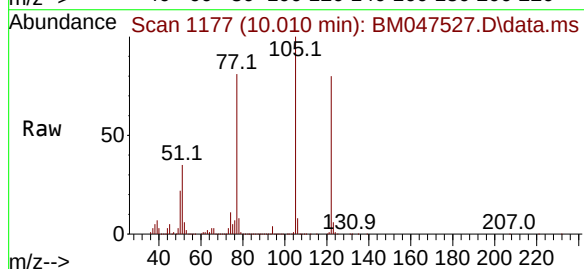
Manual Integrations
APPROVED

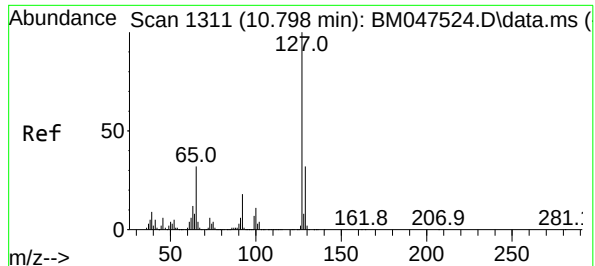
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

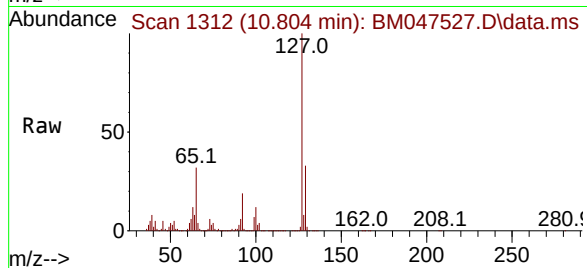
Tgt Ion:122 Resp: 1633674
Ion Ratio Lower Upper
122 100
105 125.6 104.7 144.7
77 101.5 83.4 123.4





#33
4-Chloroaniline
Concen: 82.527 ng
RT: 10.804 min Scan# 1312
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

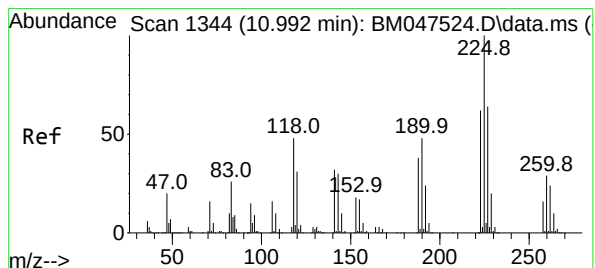
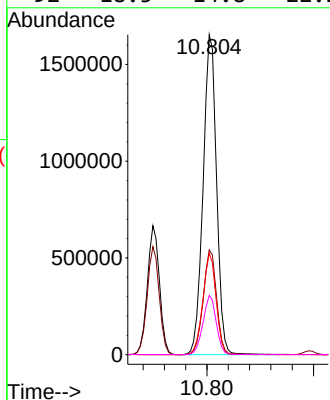
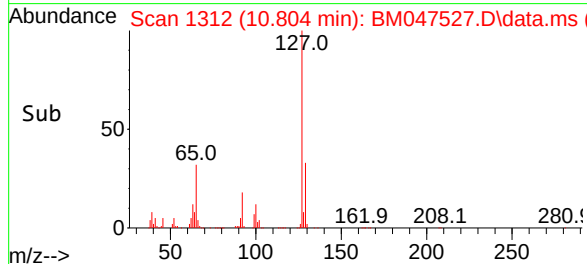
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:127 Resp: 2895334
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

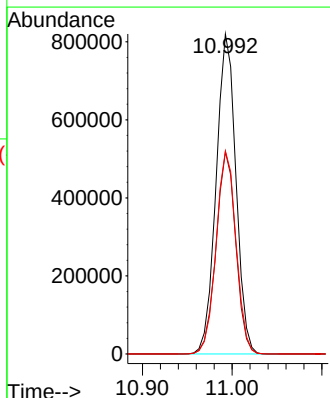
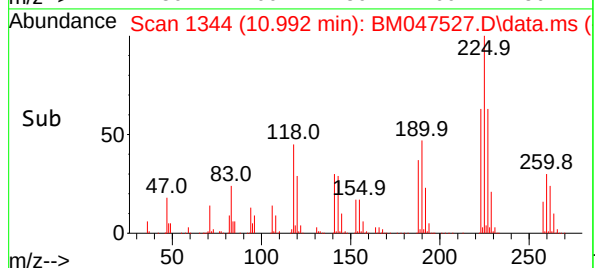
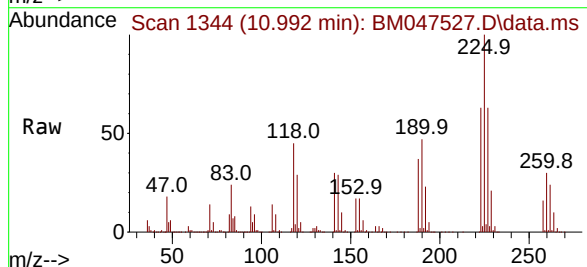
Manual Integrations
APPROVED

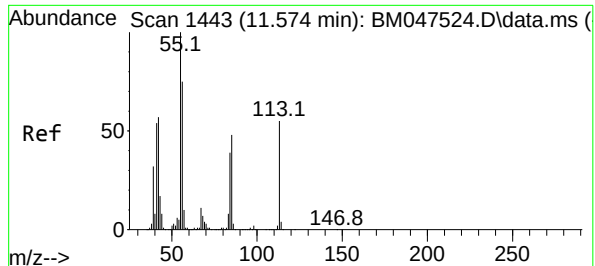
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

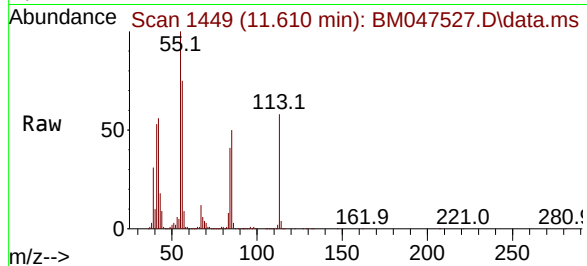
Tgt Ion:225 Resp: 1253407
Ion Ratio Lower Upper
225 100
223 63.1 49.8 74.6
227 63.4 51.0 76.4





#35
 Caprolactam
 Concen: 89.483 ng m
 RT: 11.610 min Scan# 1443
 Delta R.T. 0.036 min
 Lab File: BM047527.D
 Acq: 14 Sep 2024 16:34

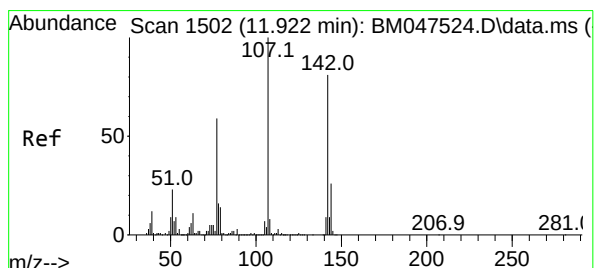
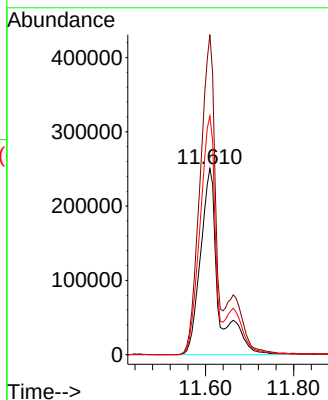
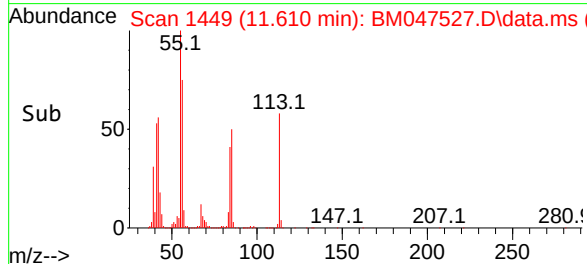
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC080



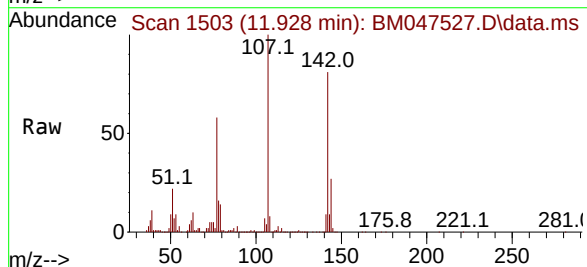
Tgt Ion:113 Resp: 713610
 Ion Ratio Lower Upper
 113 100
 55 172.0 162.5 202.5
 56 128.4 116.5 156.5

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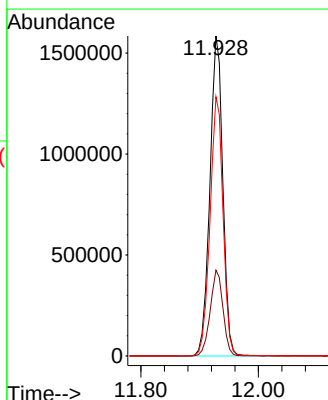
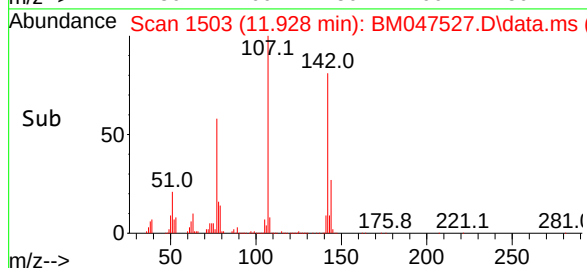
Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :mohammad ahmed 09/17/2024

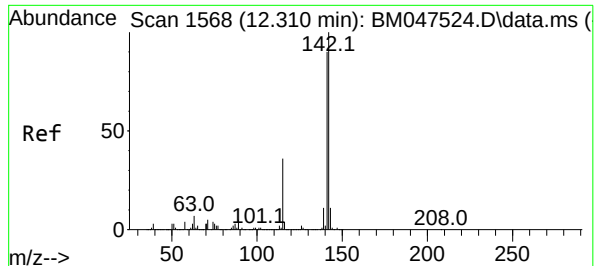


#36
 4-Chloro-3-methylphenol
 Concen: 87.301 ng
 RT: 11.928 min Scan# 1503
 Delta R.T. 0.006 min
 Lab File: BM047527.D
 Acq: 14 Sep 2024 16:34



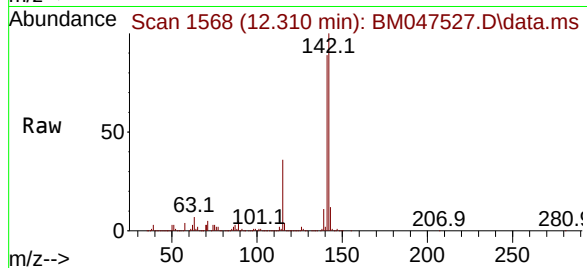
Tgt Ion:107 Resp: 2422201
 Ion Ratio Lower Upper
 107 100
 144 26.8 20.5 30.7
 142 81.0 65.0 97.4





#37
2-Methylnaphthalene
Concen: 85.681 ng
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

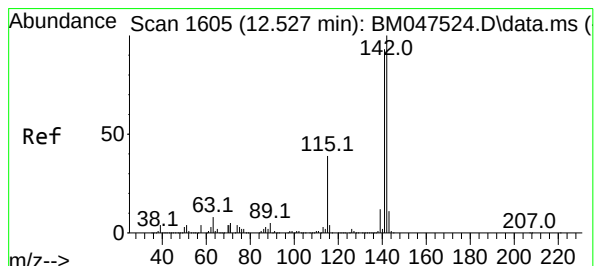
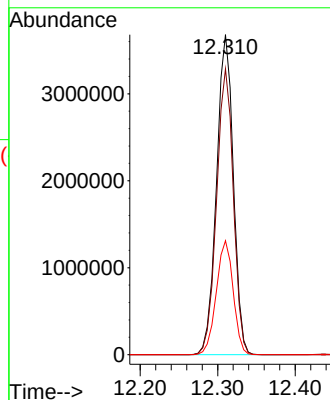
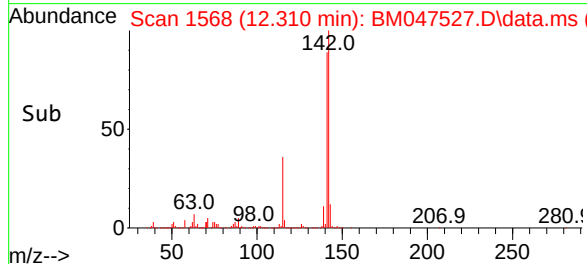
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



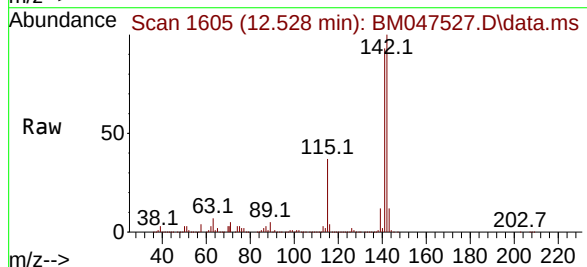
Tgt Ion:142 Resp: 553346
Ion Ratio Lower Upper
142 100
141 89.3 72.2 108.4
115 35.6 29.1 43.7

Manual Integrations
APPROVED

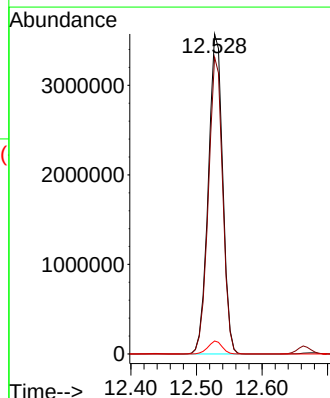
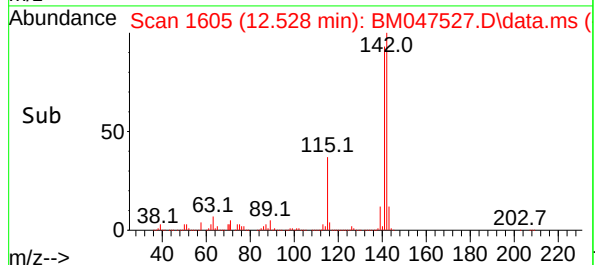
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

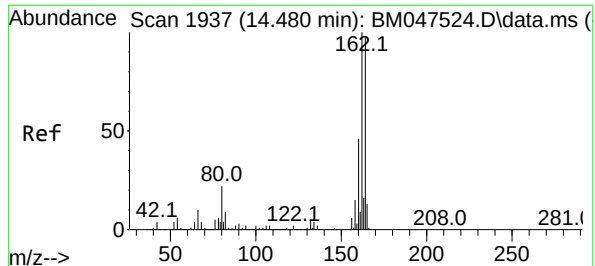


#38
1-Methylnaphthalene
Concen: 85.045 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



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# 1937

Delta R.T. 0.006 min

Lab File: BM047527.D

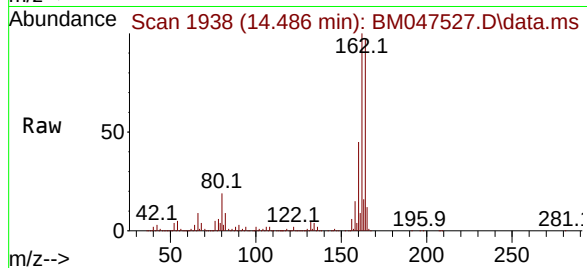
Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080



Tgt Ion:164 Resp: 105776

Ion Ratio Lower Upper

164 100

162 103.1 82.2 123.2

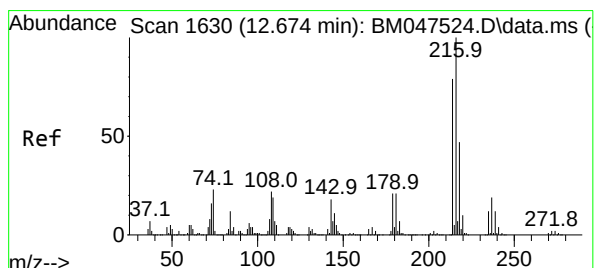
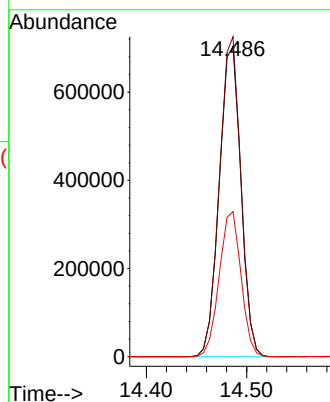
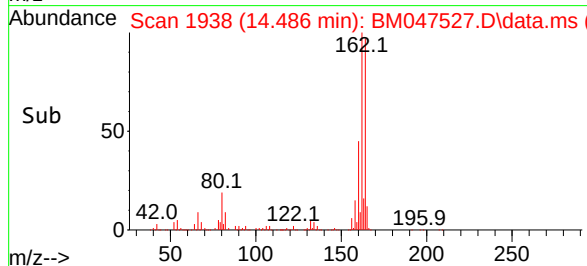
160 46.8 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#40

1,2,4,5-Tetrachlorobenzene

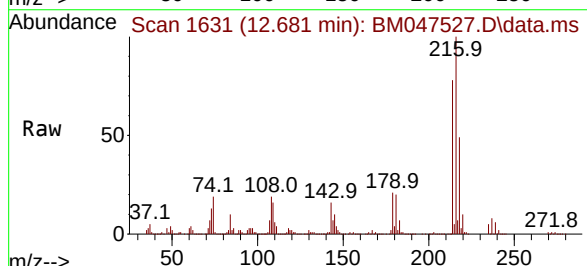
Concen: 86.585 ng

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

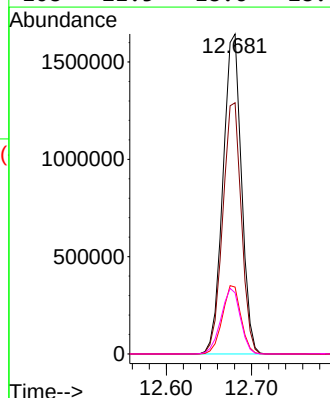
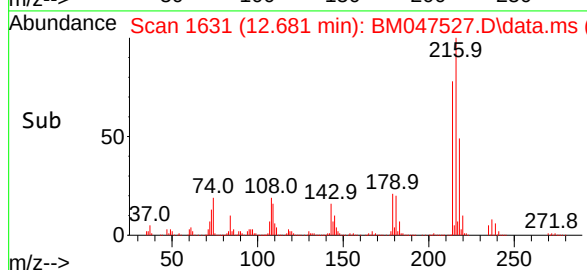
Ion Ratio Lower Upper

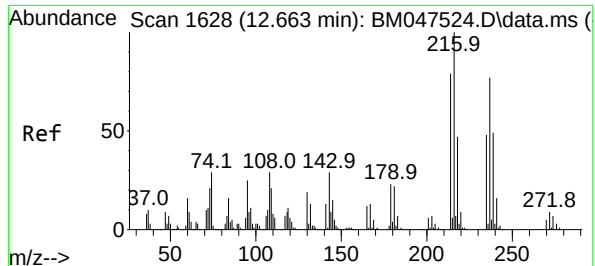
216 100

214 79.0 63.0 94.6

179 21.4 17.5 26.3

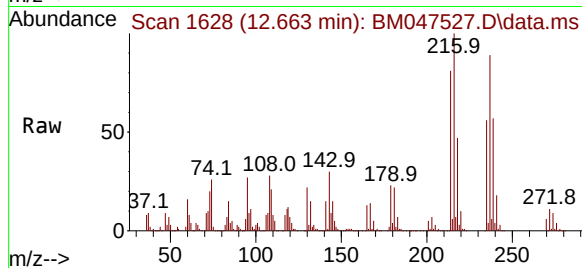
108 21.5 18.6 28.0





#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

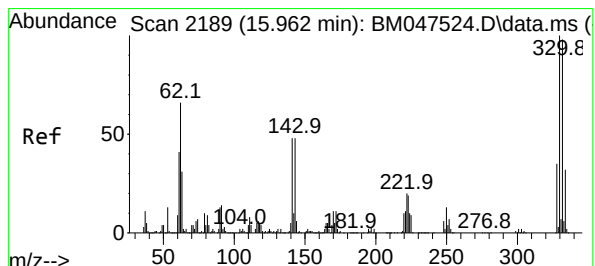
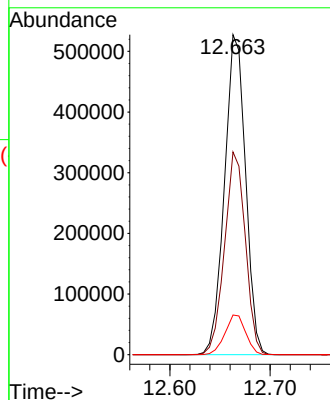
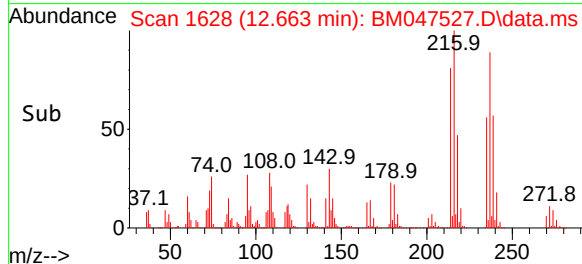
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



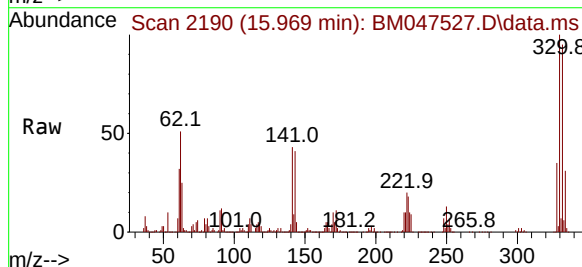
Tgt Ion:237 Resp: 76789
Ion Ratio Lower Upper
237 100
235 63.4 42.0 82.0
272 12.4 0.0 31.5

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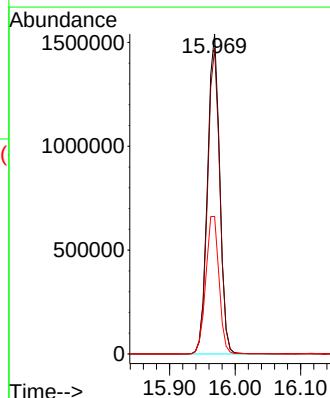
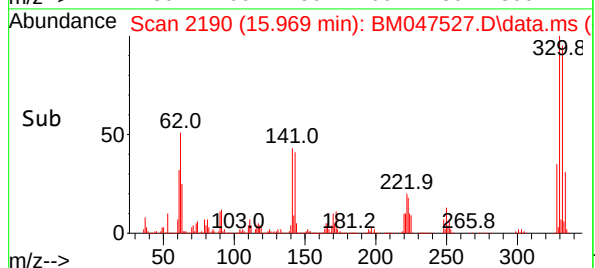
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

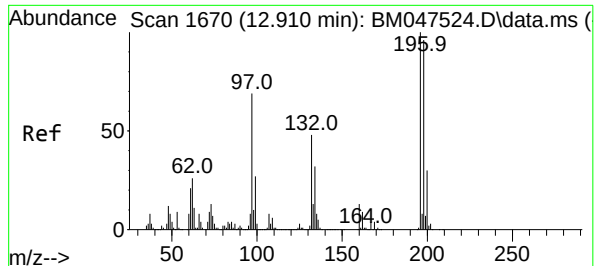


#42
2,4,6-Tribromophenol
Concen: 195.553 ng
RT: 15.969 min Scan# 2190
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



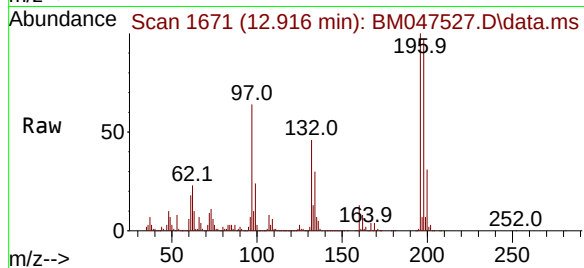
Tgt Ion:330 Resp: 1999370
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 46.5 42.2 63.2





#43
2,4,6-Trichlorophenol
Concen: 89.682 ng
RT: 12.916 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

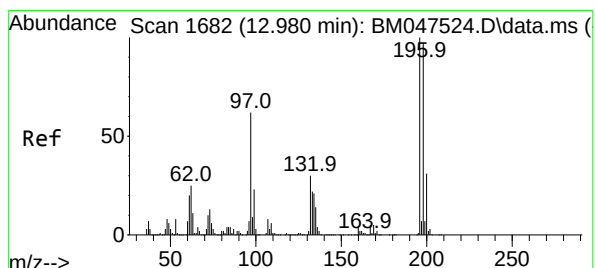
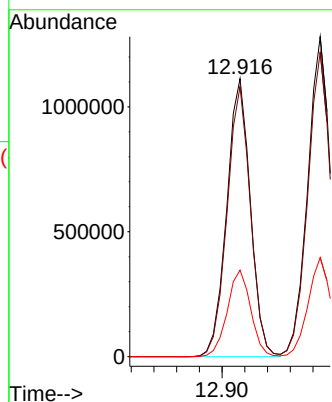
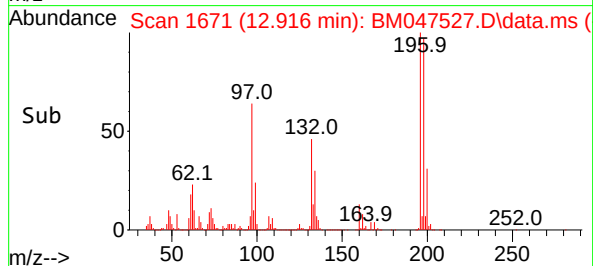
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

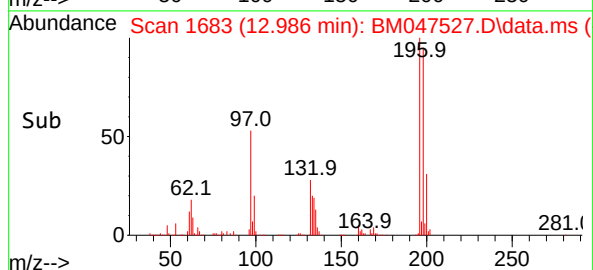
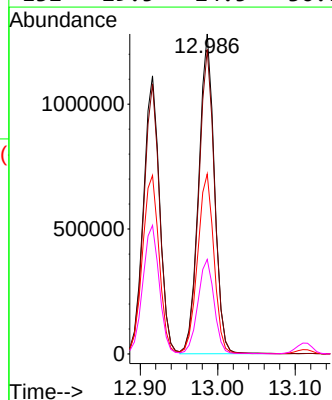
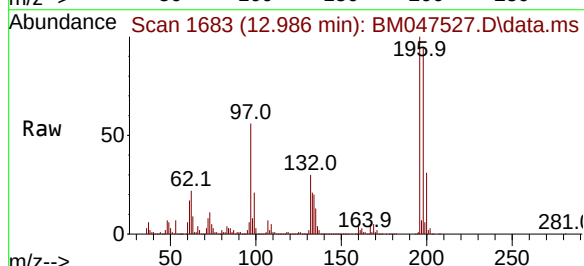
Manual Integrations
APPROVED

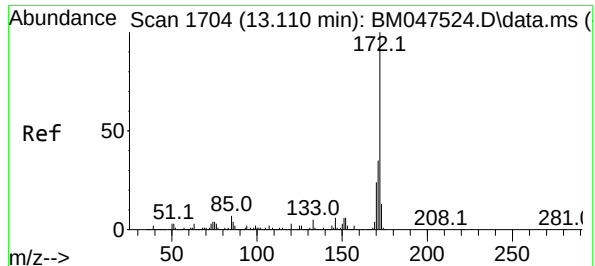
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1704

Delta R.T. 0.000 min

Lab File: BM047527.D

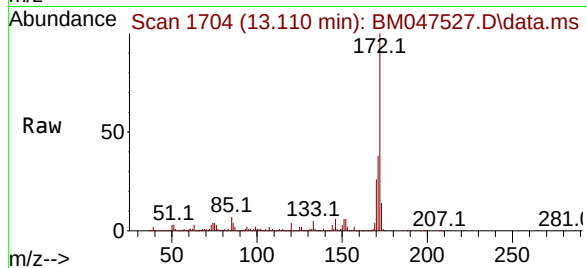
Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080



Tgt Ion:172 Resp:1274774

Ion Ratio Lower Upper

172 100

171 37.6 28.2 42.2

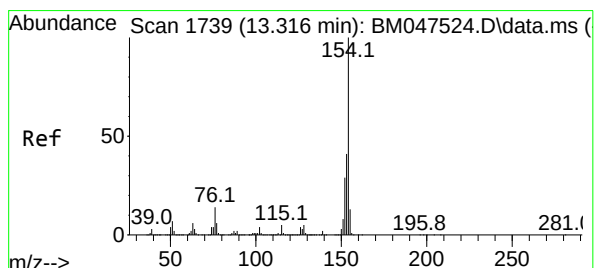
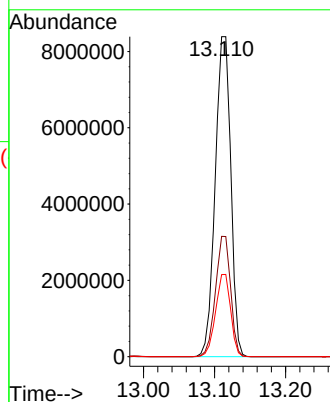
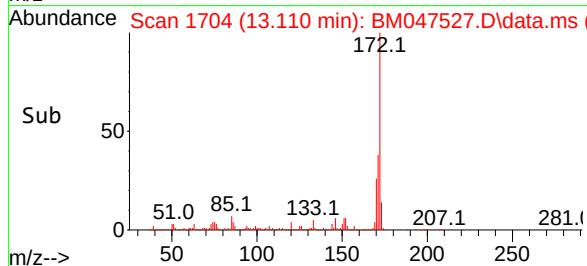
170 25.7 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#46

1,1'-Biphenyl

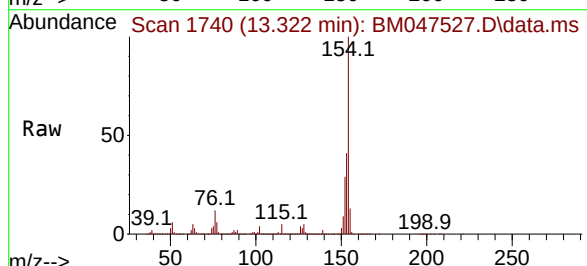
Concen: 83.841 ng

RT: 13.322 min Scan# 1740

Delta R.T. 0.006 min

Lab File: BM047527.D

Acq: 14 Sep 2024 16:34



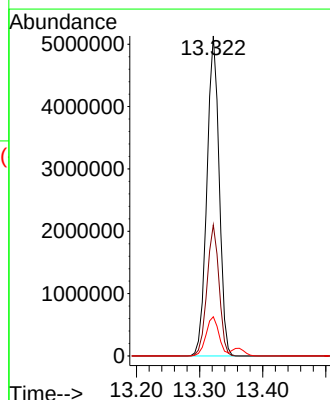
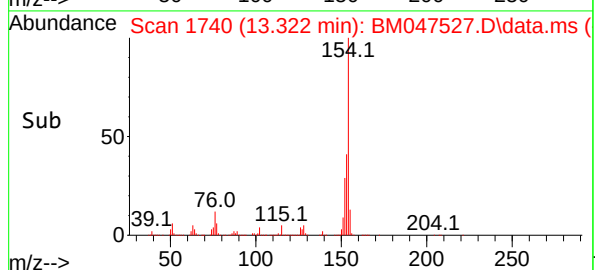
Tgt Ion:154 Resp: 6900085

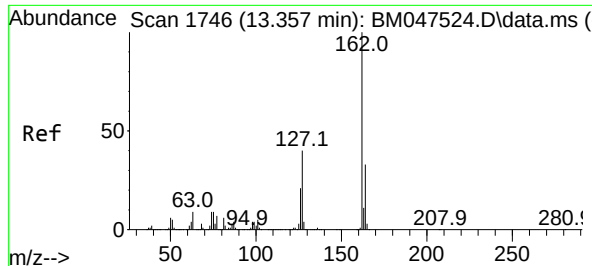
Ion Ratio Lower Upper

154 100

153 41.0 20.6 60.6

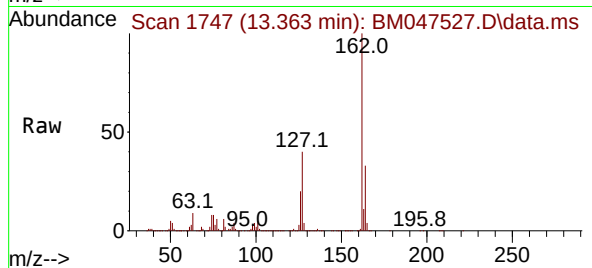
76 12.3 0.0 33.9





#47
2-Chloronaphthalene
Concen: 82.926 ng
RT: 13.363 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

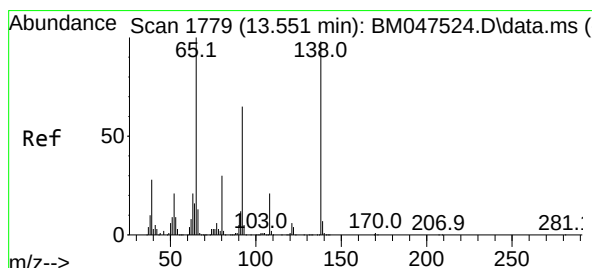
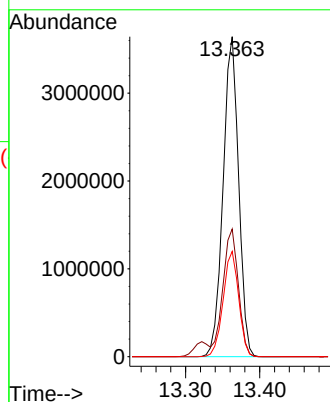
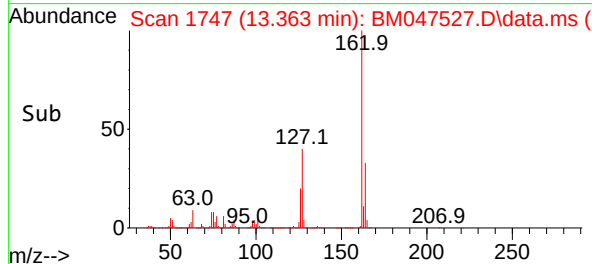
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



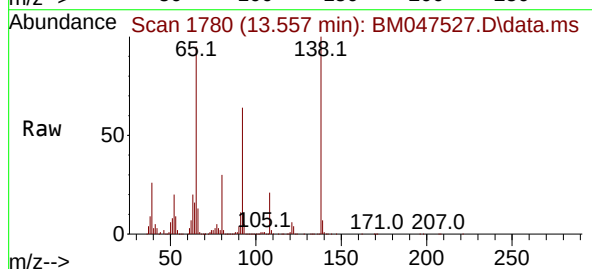
Tgt Ion:162 Resp: 529932
Ion Ratio Lower Upper
162 100
127 39.9 32.2 48.4
164 32.9 26.3 39.5

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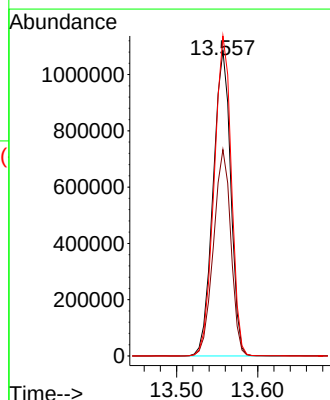
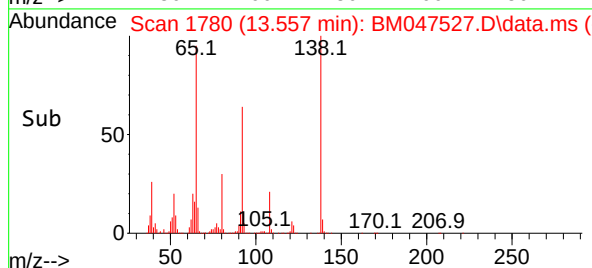
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

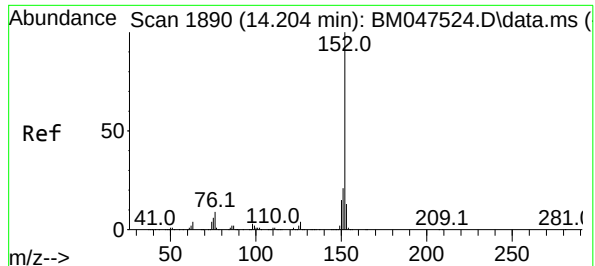


#48
2-Nitroaniline
Concen: 87.177 ng
RT: 13.557 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



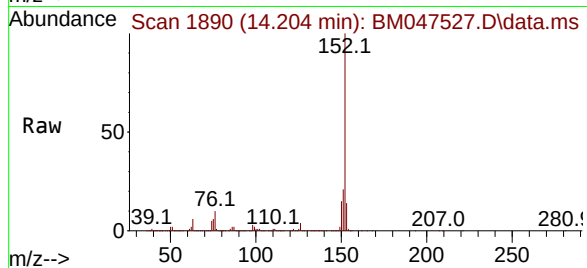
Tgt Ion: 65 Resp: 1636291
Ion Ratio Lower Upper
65 100
92 67.5 51.9 77.9
138 104.7 78.5 117.7





#49
Acenaphthylene
Concen: 85.694 ng
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

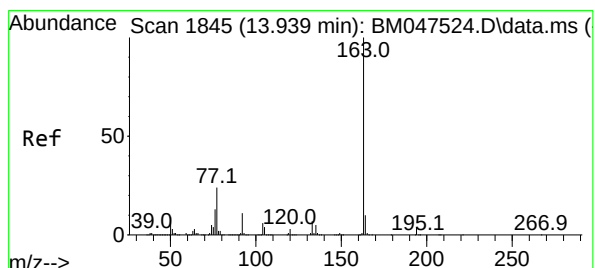
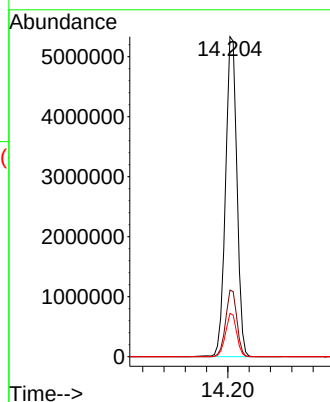
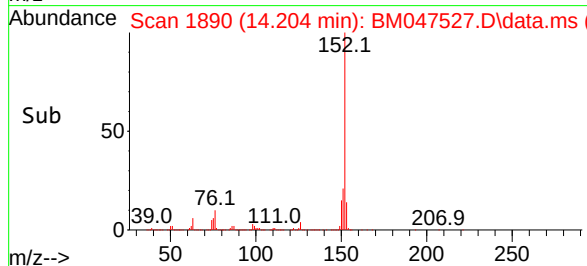
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



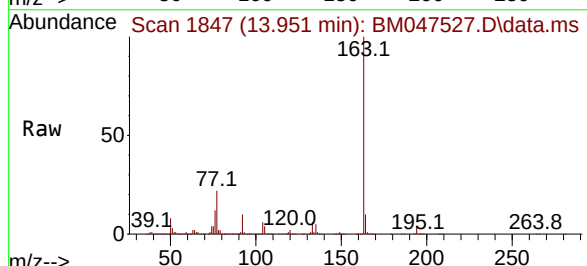
Tgt Ion:152 Resp: 790252
Ion Ratio Lower Upper
152 100
151 20.8 16.5 24.7
153 13.5 10.4 15.6

Manual Integrations
APPROVED

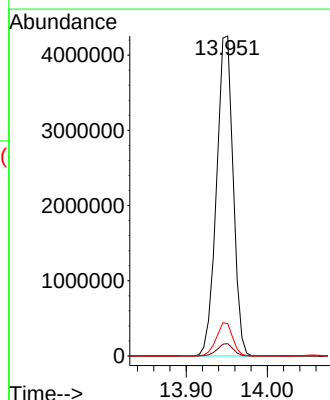
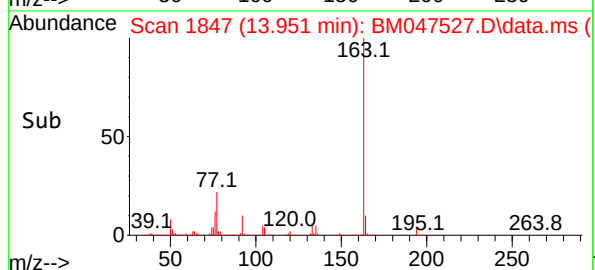
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

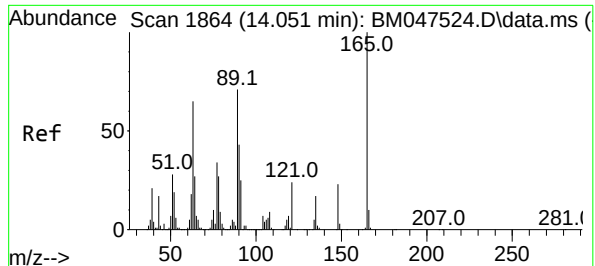


#50
Dimethylphthalate
Concen: 83.970 ng
RT: 13.951 min Scan# 1847
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



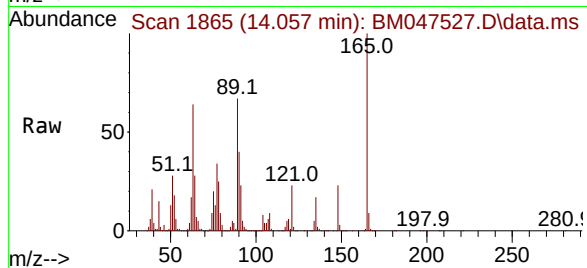
Tgt Ion:163 Resp: 6053832
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 88.032 ng
RT: 14.057 min Scan# 1864
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

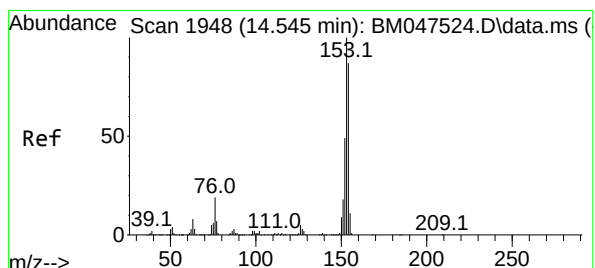
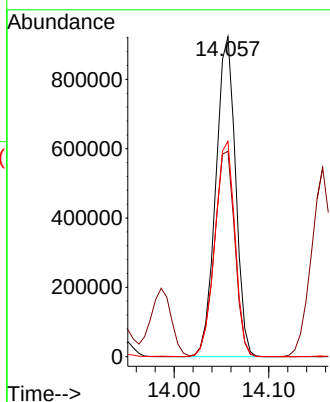
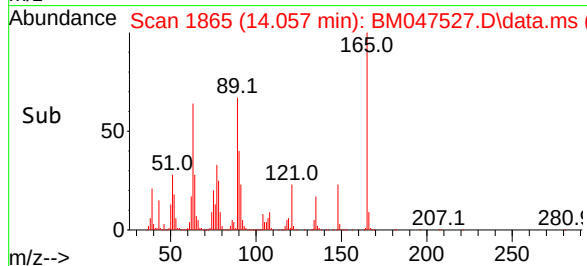
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 1339809
Ion Ratio Lower Upper
165 100
63 64.2 54.2 81.2
89 67.3 56.4 84.6

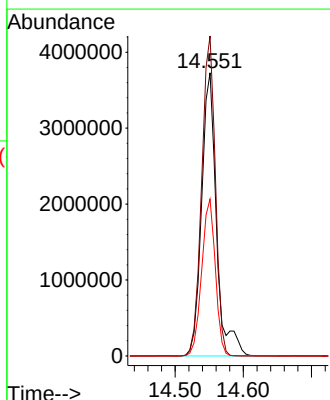
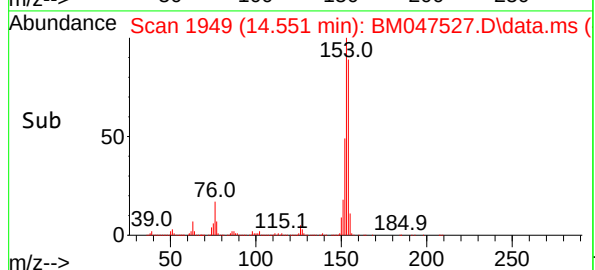
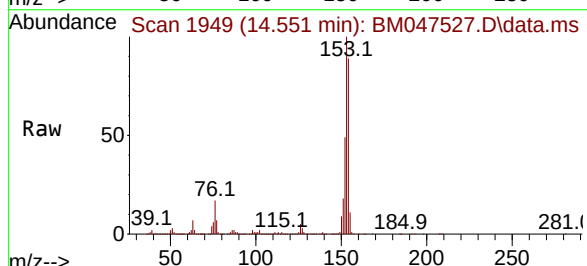
Manual Integrations
APPROVED

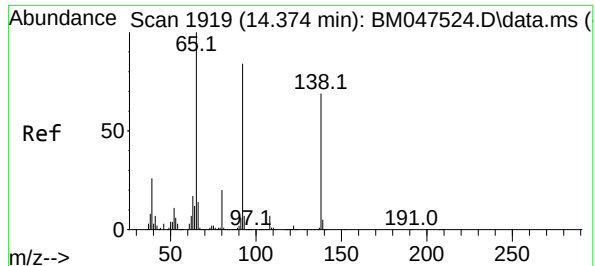
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

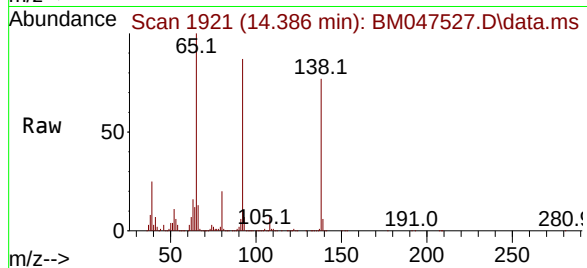
Tgt Ion:154 Resp: 5646673
Ion Ratio Lower Upper
154 100
153 113.0 92.2 138.2
152 55.4 45.4 68.0





#53
3-Nitroaniline
Concen: 89.143 ng
RT: 14.386 min Scan# 1919
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

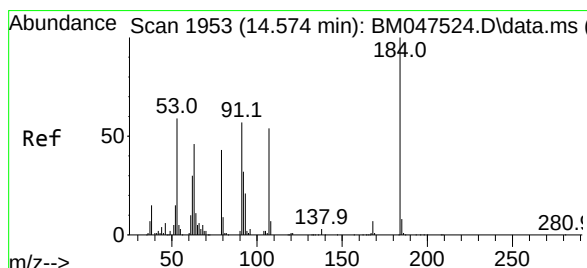
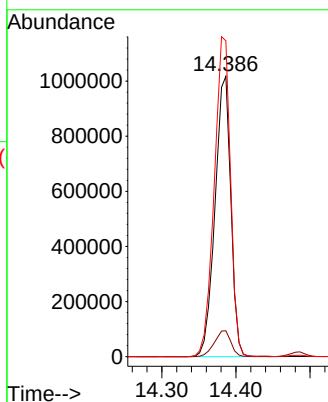
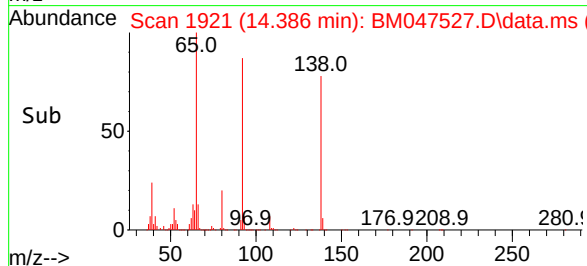
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



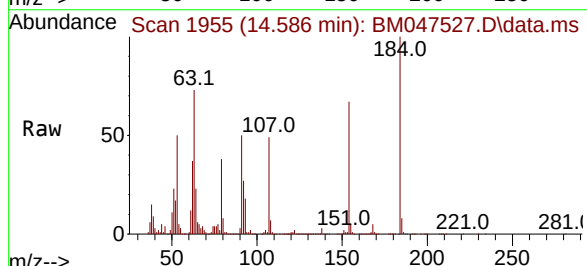
Tgt Ion:138 Resp: 150799
Ion Ratio Lower Upper
138 100
108 9.2 8.0 12.0
92 112.7 97.4 146.0

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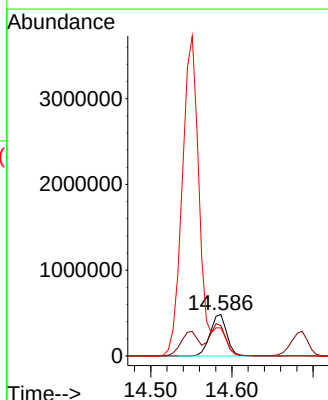
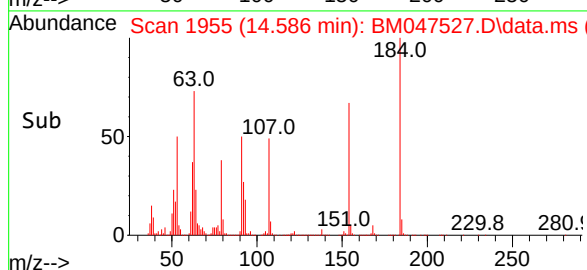
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

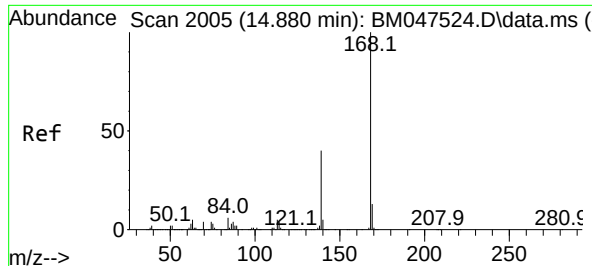


#54
2,4-Dinitrophenol
Concen: 80.155 ng
RT: 14.586 min Scan# 1955
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



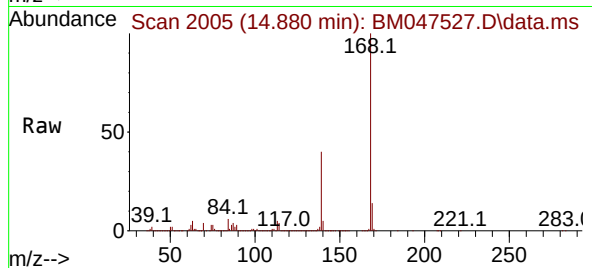
Tgt Ion:184 Resp: 687253
Ion Ratio Lower Upper
184 100
63 73.0 69.4 104.0
154 67.5 60.4 90.6





#55
Dibenzenofuran
Concen: 84.345 ng
RT: 14.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

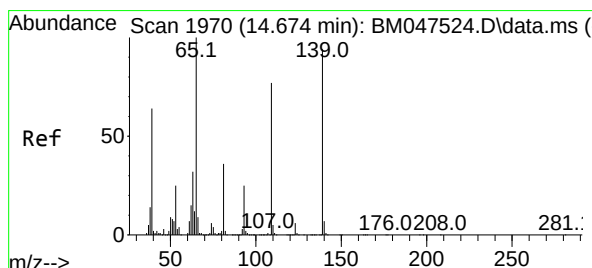
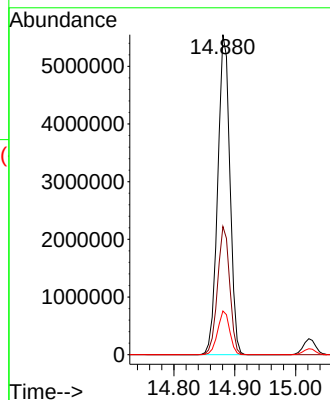
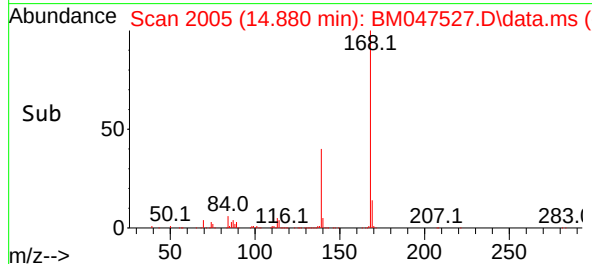
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

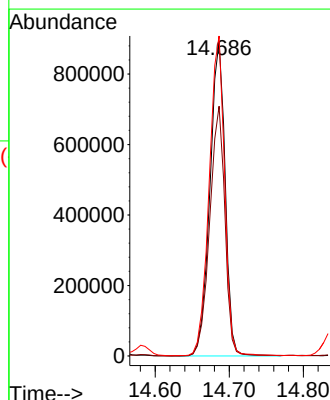
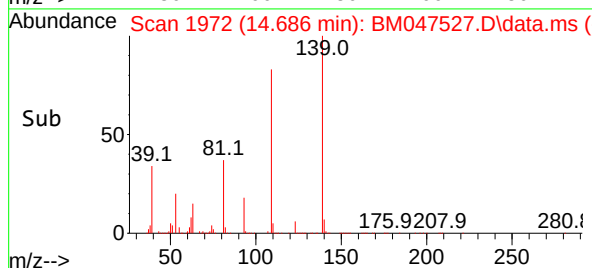
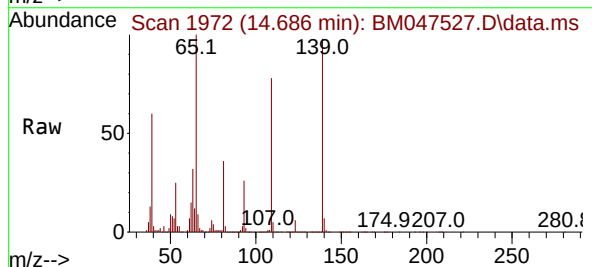
Manual Integrations
APPROVED

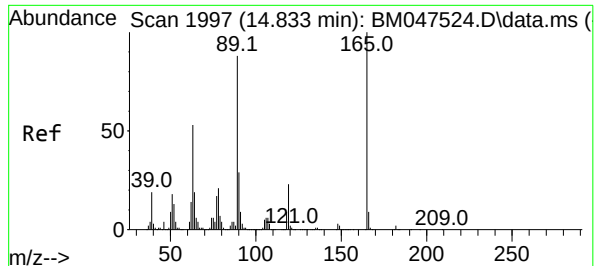
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

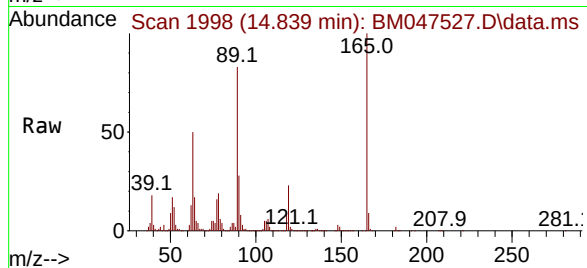
Tgt Ion:139 Resp: 1275528
Ion Ratio Lower Upper
139 100
109 79.3 62.0 102.0
65 101.6 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 91.750 ng
RT: 14.839 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

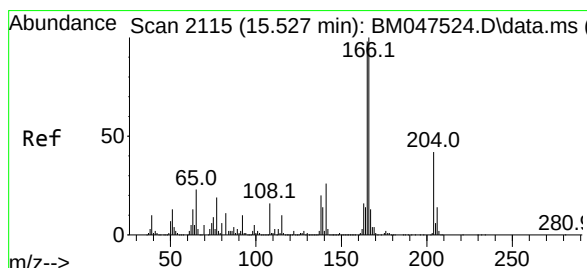
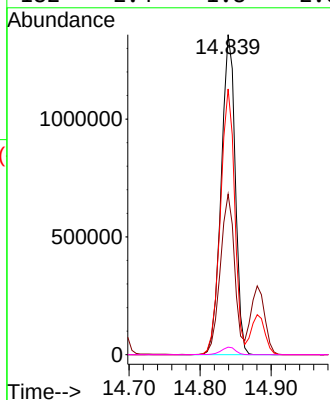
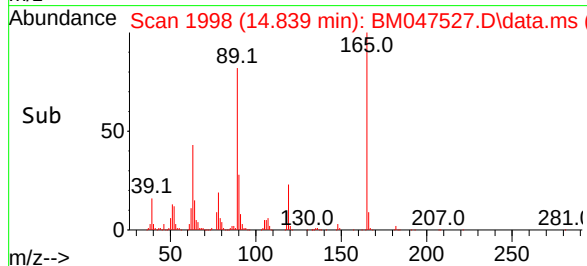
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

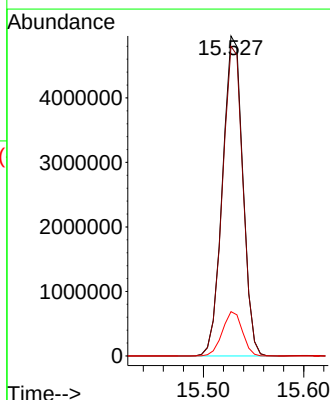
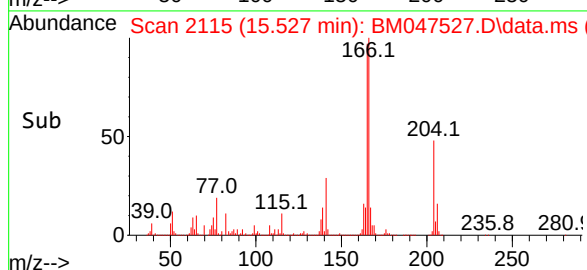
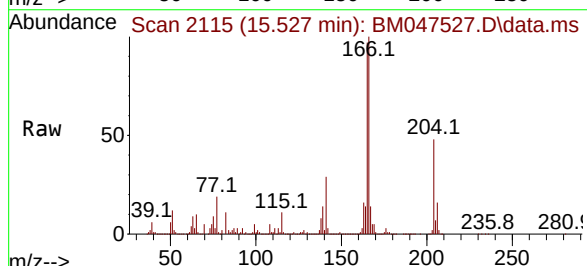
Manual Integrations
APPROVED

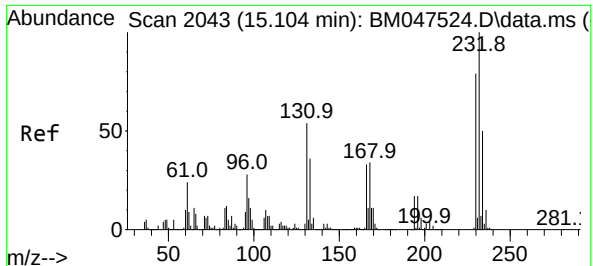
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

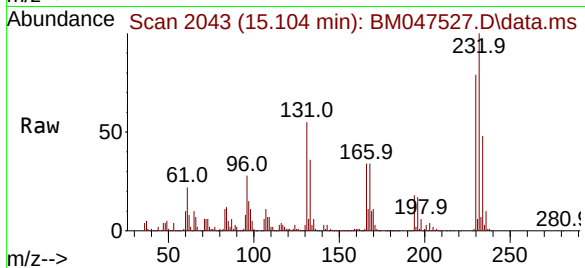
Tgt Ion:166 Resp: 6958364
Ion Ratio Lower Upper
166 100
165 96.7 78.6 117.8
167 13.8 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 89.803 ng
RT: 15.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

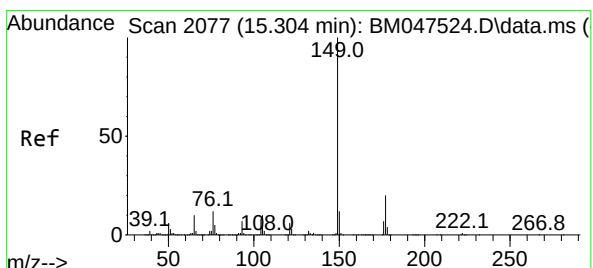
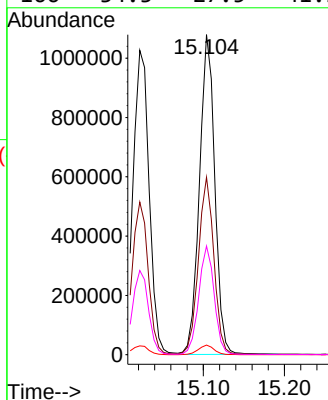
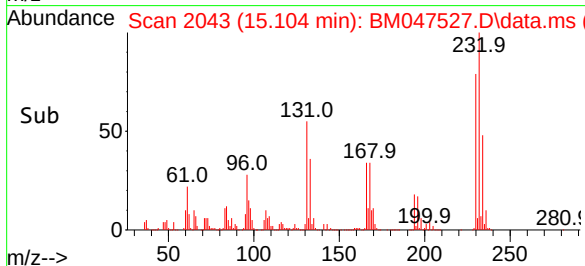
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:232 Resp: 1418100
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

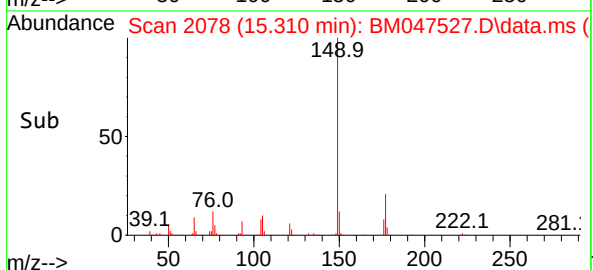
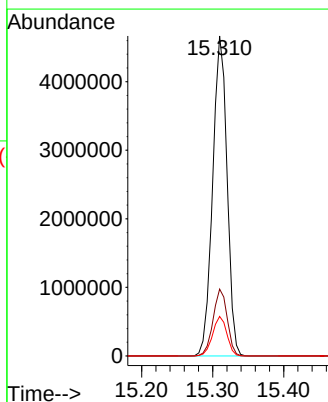
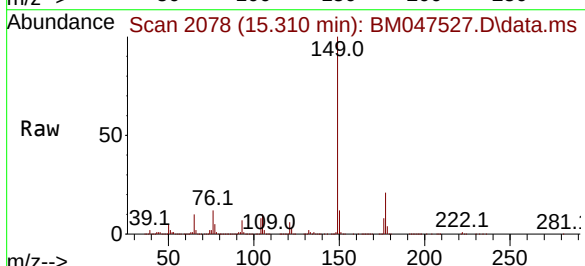
Manual Integrations
APPROVED

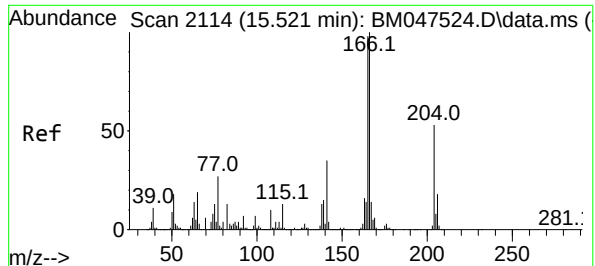
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

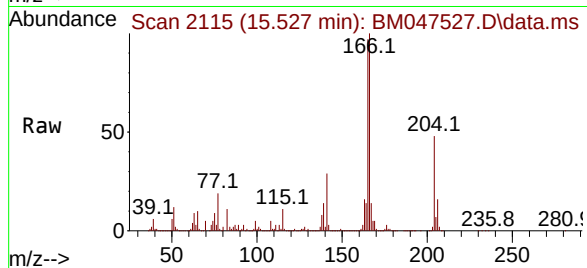
Tgt Ion:149 Resp: 6548466
Ion Ratio Lower Upper
149 100
177 20.9 15.8 23.8
150 12.4 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 86.689 ng
RT: 15.527 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

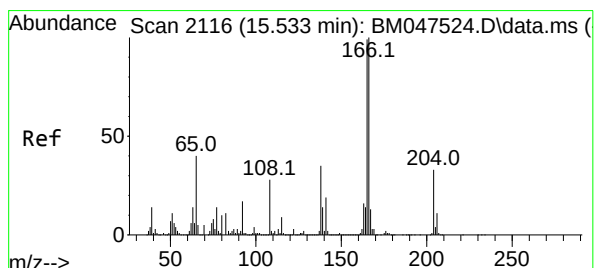
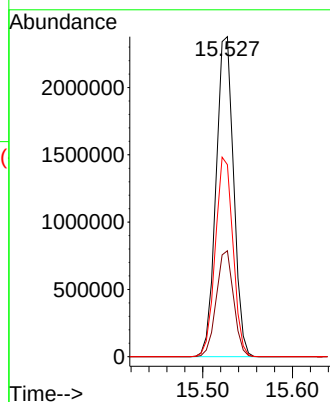
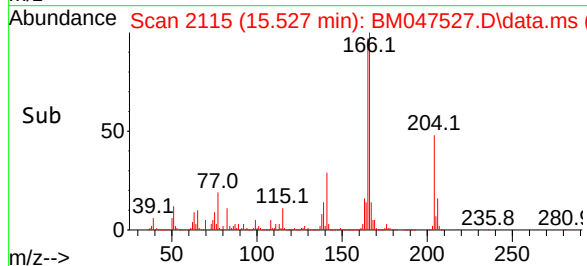
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



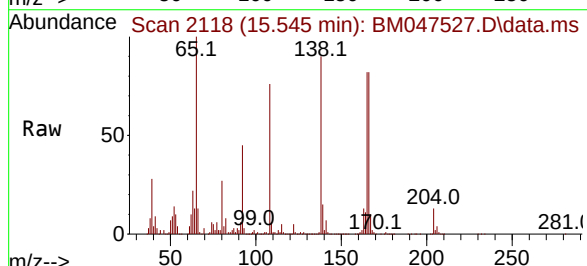
Tgt Ion:204 Resp: 3240239
Ion Ratio Lower Upper
204 100
206 33.1 26.5 39.7
141 60.0 52.1 78.1

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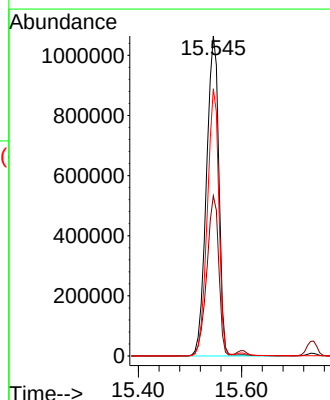
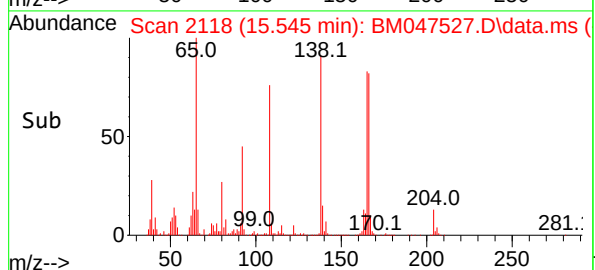
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

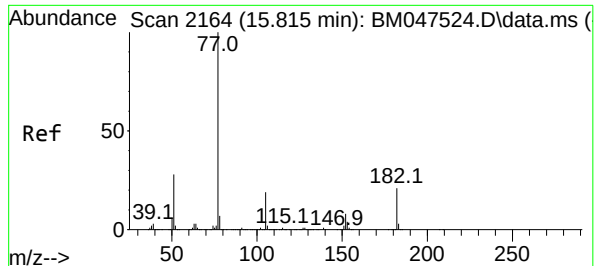


#62
4-Nitroaniline
Concen: 89.247 ng
RT: 15.545 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



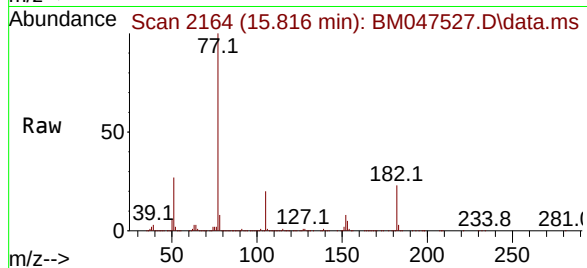
Tgt Ion:138 Resp: 1774673
Ion Ratio Lower Upper
138 100
92 50.0 30.0 70.0
108 83.5 61.7 101.7





#63
Azobenzene
Concen: 79.939 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

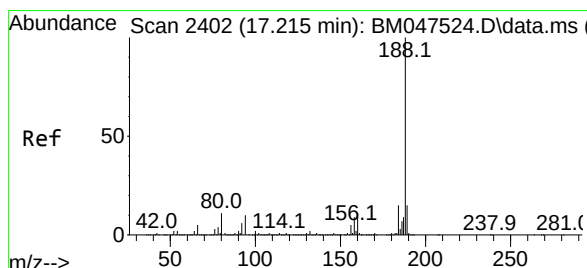
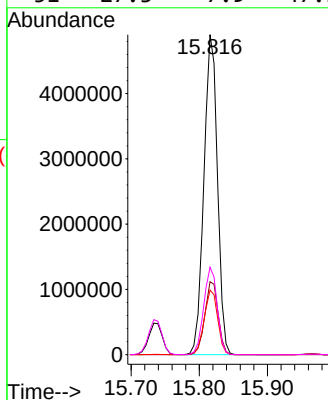
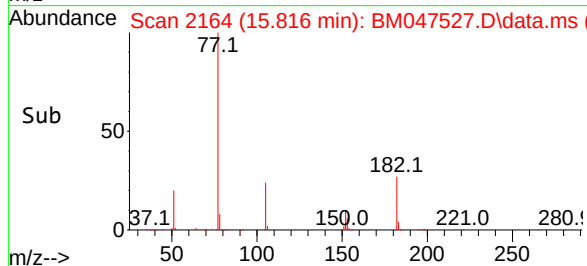
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 6753769
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

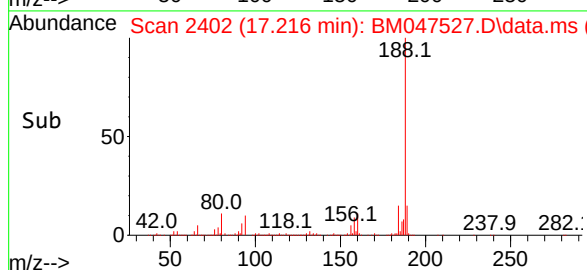
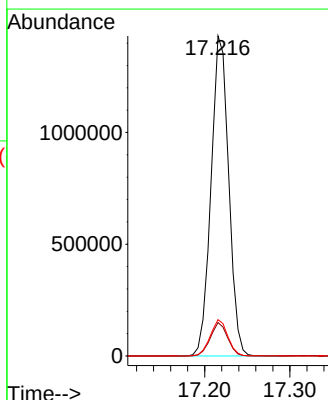
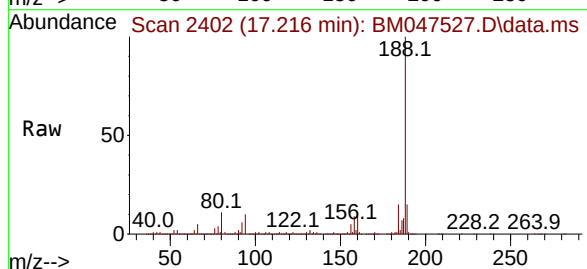
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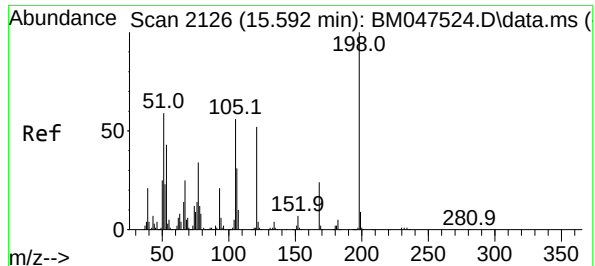
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





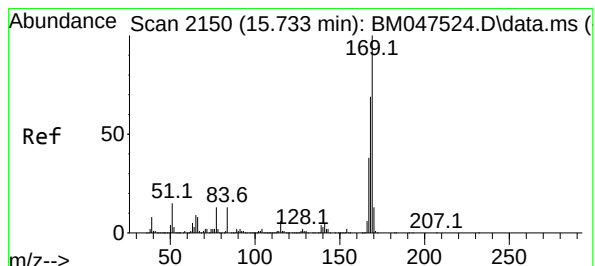
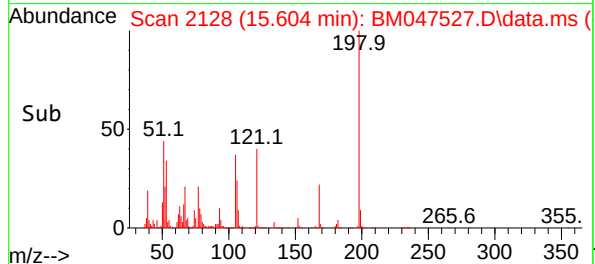
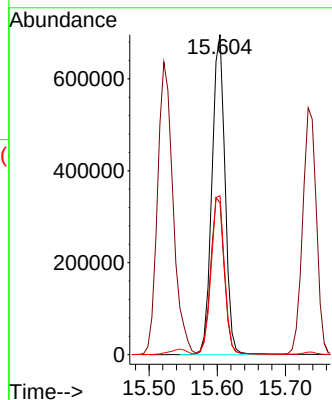
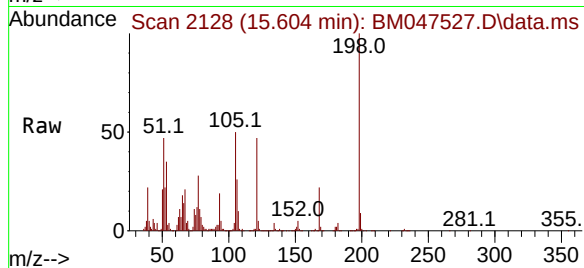
#65
4,6-Dinitro-2-methylphenol
Concen: 82.293 ng
RT: 15.604 min Scan# 2112
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 930135
Ion Ratio Lower Upper
198 100
51 47.4 41.5 81.5
105 49.7 36.4 76.4

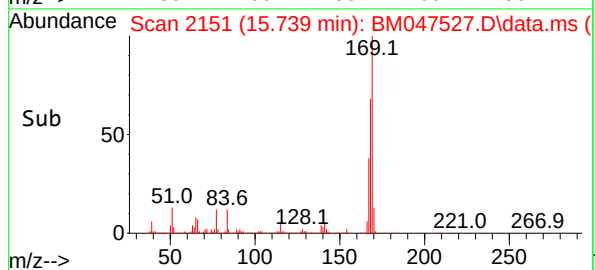
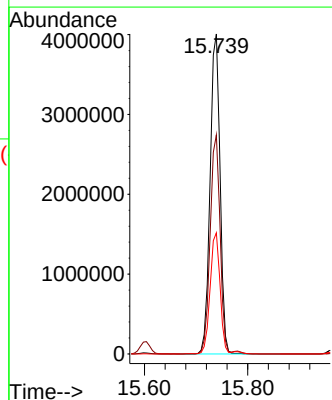
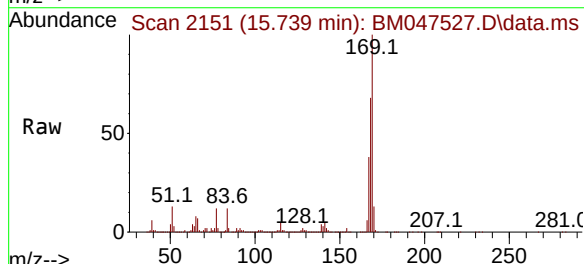
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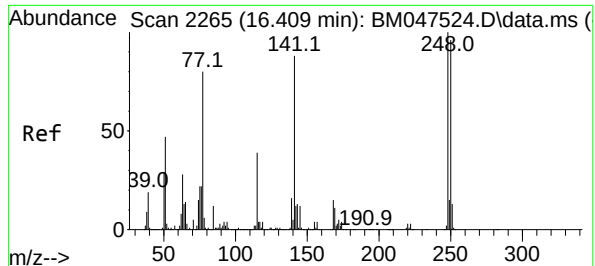
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 21

Delta R.T. 0.006 min

Lab File: BM047527.D

Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion:248 Resp: 177608

Ion Ratio Lower Upper

248 100

250 96.6 76.9 115.3

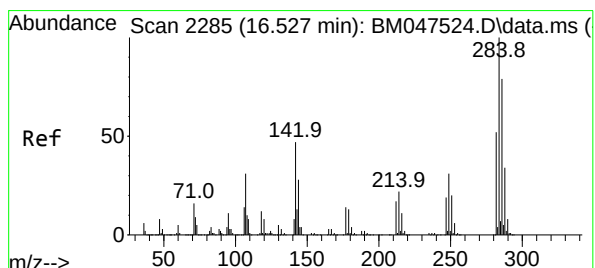
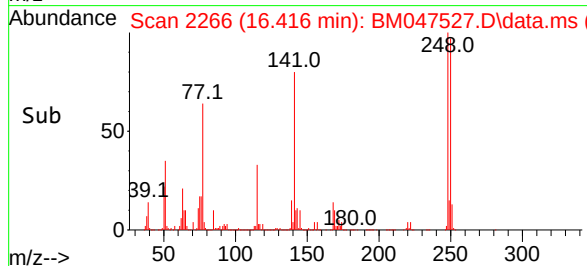
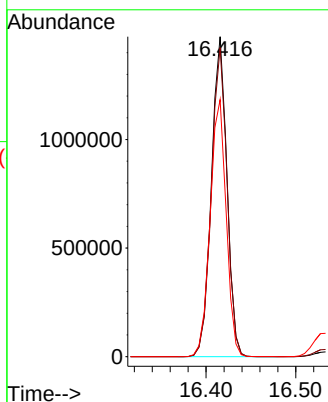
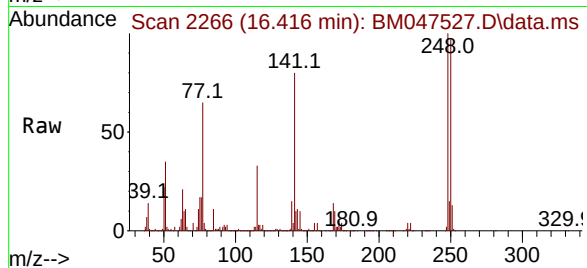
141 80.4 70.8 106.2

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

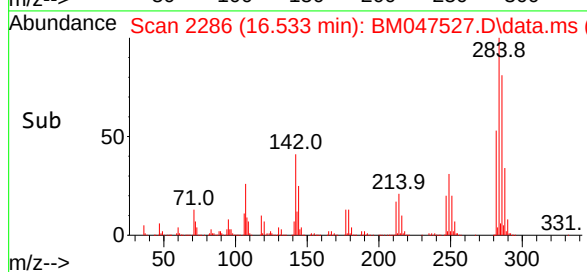
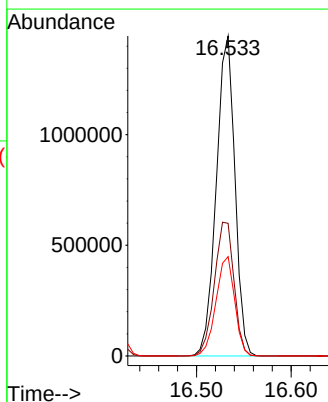
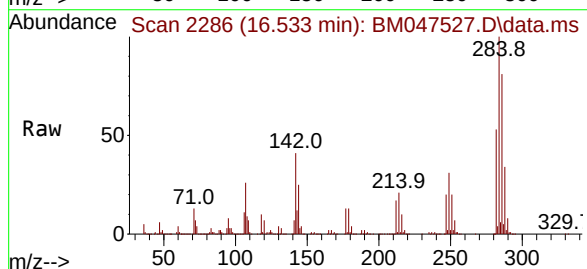
Tgt Ion:284 Resp: 1973858

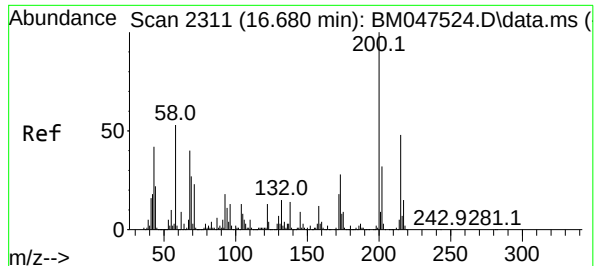
Ion Ratio Lower Upper

284 100

142 41.5 37.3 55.9

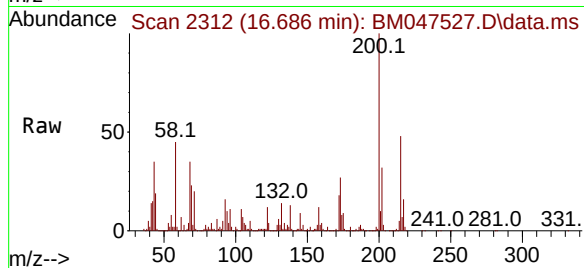
249 31.1 24.5 36.7





#69
Atrazine
Concen: 85.338 ng
RT: 16.686 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

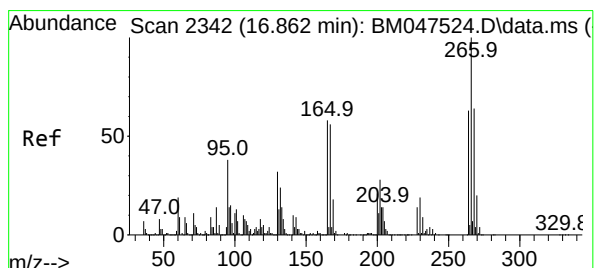
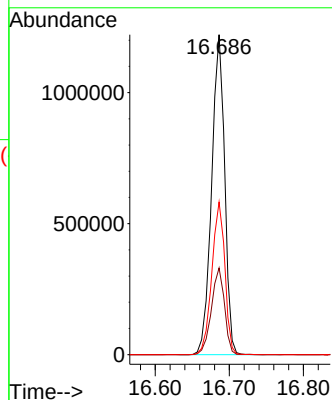
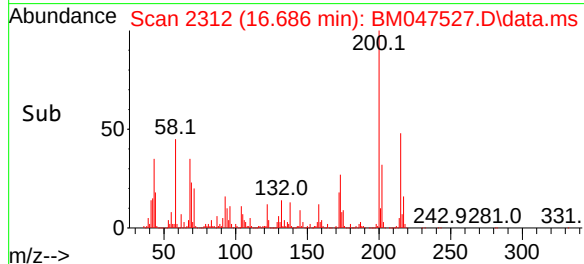
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



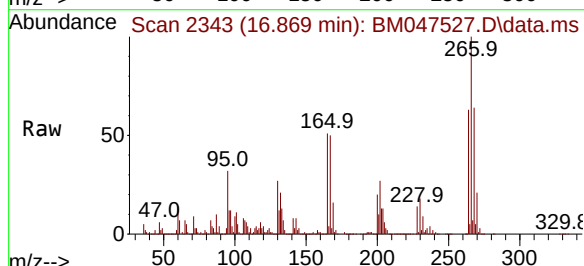
Tgt Ion:200 Resp: 149199
Ion Ratio Lower Upper
200 100
173 27.1 7.7 47.7
215 47.7 27.9 67.9

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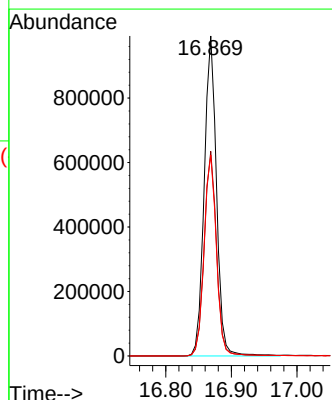
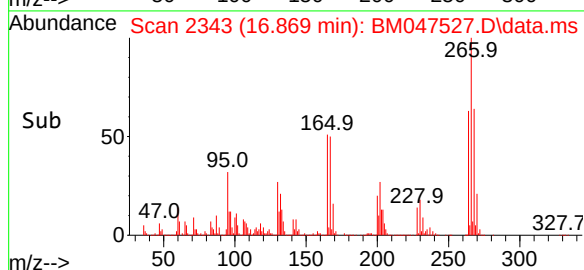
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

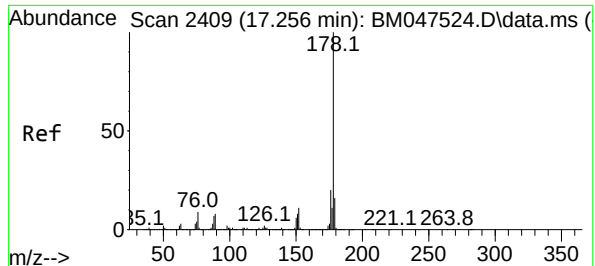


#70
Pentachlorophenol
Concen: 98.154 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



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





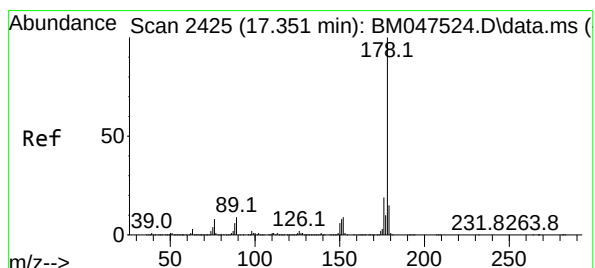
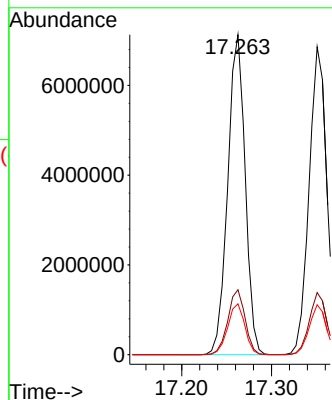
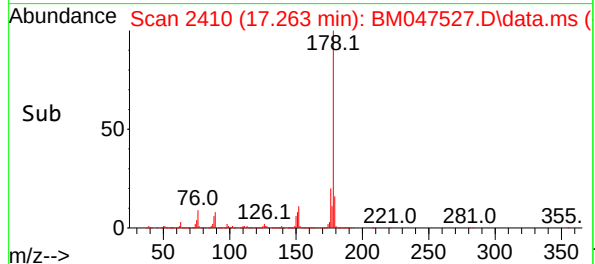
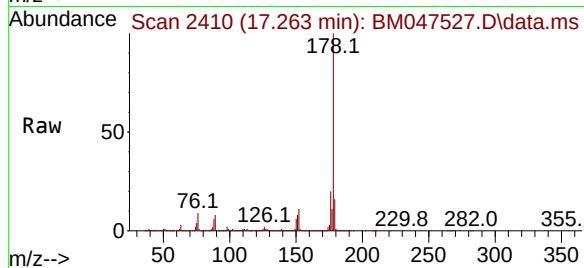
#71
Phenanthrene
Concen: 84.419 ng
RT: 17.263 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

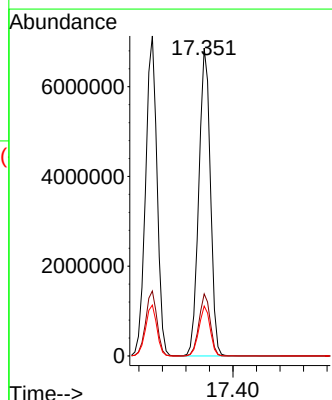
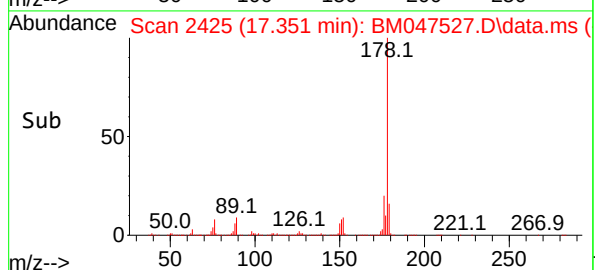
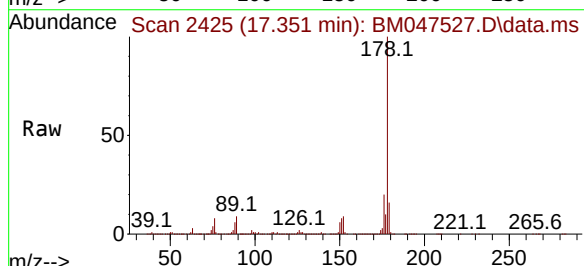
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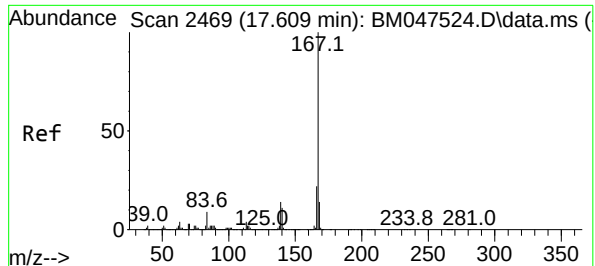
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

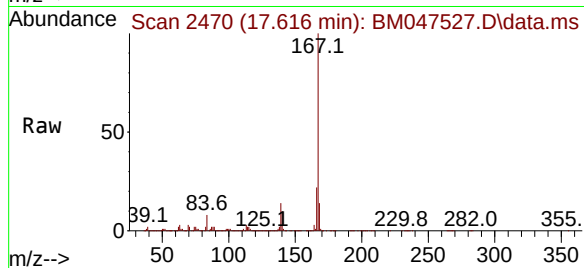
Tgt Ion:178 Resp: 9345063
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.0
179 16.2 12.3 18.5





#73
Carbazole
Concen: 87.074 ng
RT: 17.616 min Scan# 2469
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

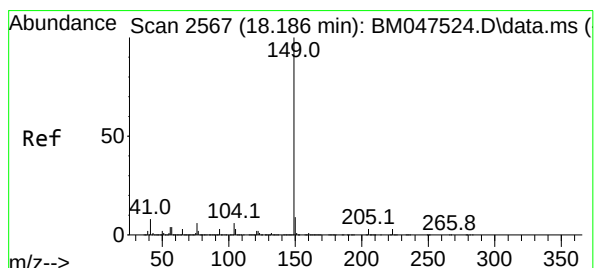
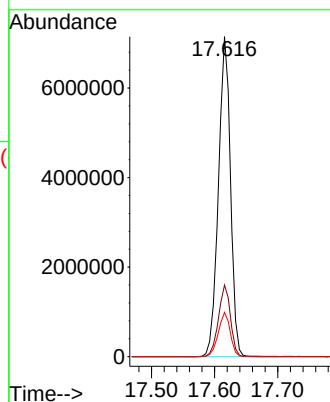
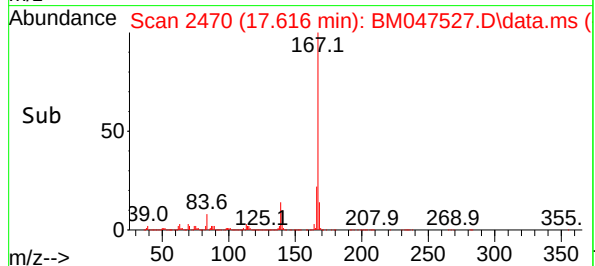
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:167 Resp: 9447268
Ion Ratio Lower Upper
167 100
166 22.4 17.8 26.8
139 13.9 11.0 16.6

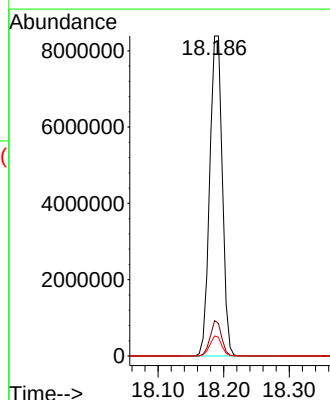
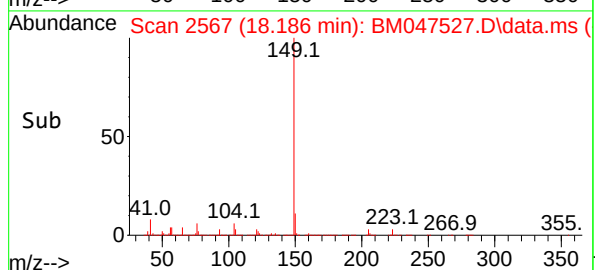
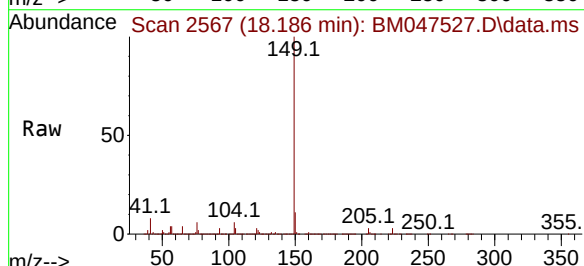
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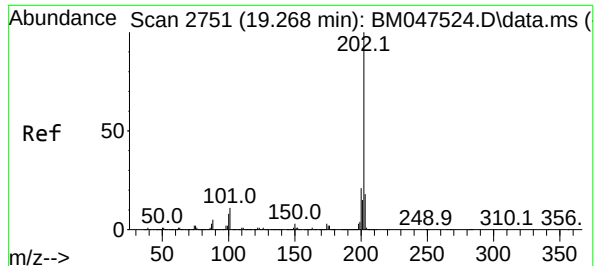
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

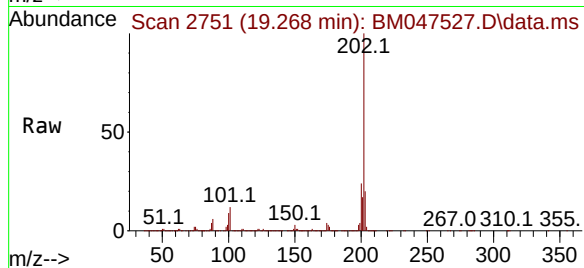
Tgt Ion:149 Resp:11171302
Ion Ratio Lower Upper
149 100
150 11.1 7.4 11.2
104 6.3 4.6 6.8





#75
Fluoranthene
Concen: 89.637 ng
RT: 19.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

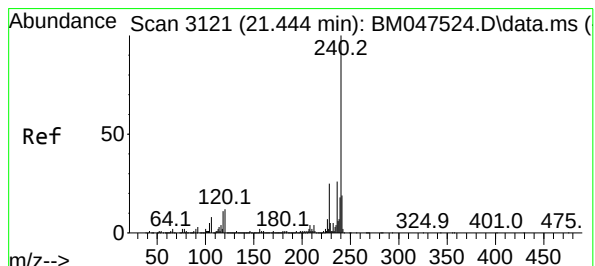
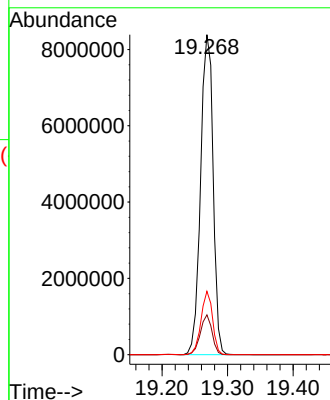
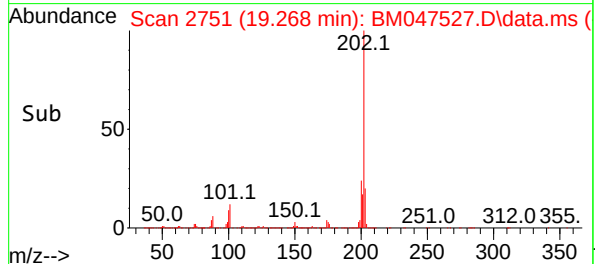
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

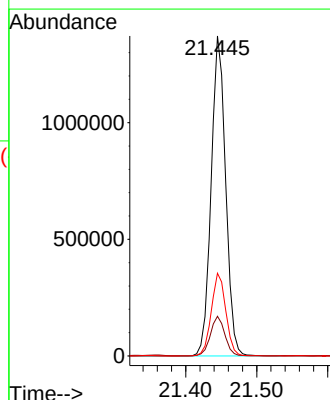
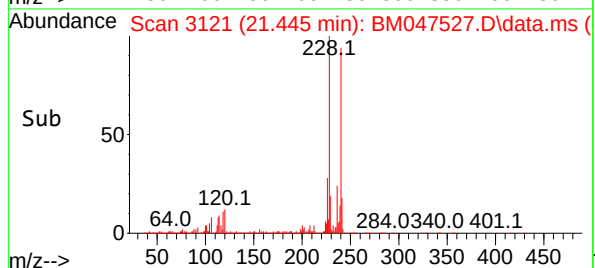
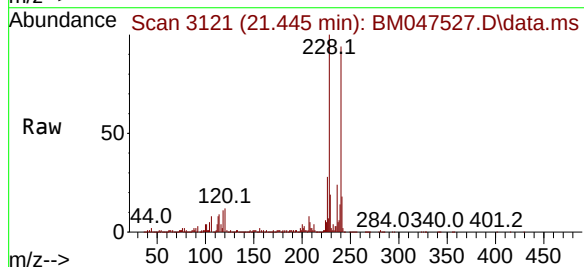
Manual Integrations
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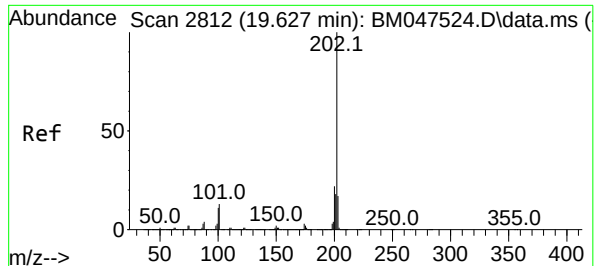
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

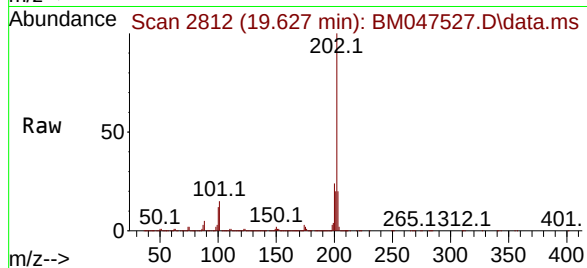
Tgt Ion:240 Resp: 1942846
Ion Ratio Lower Upper
240 100
120 12.4 9.6 14.4
236 25.9 20.9 31.3





#78
Pyrene
Concen: 81.473 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

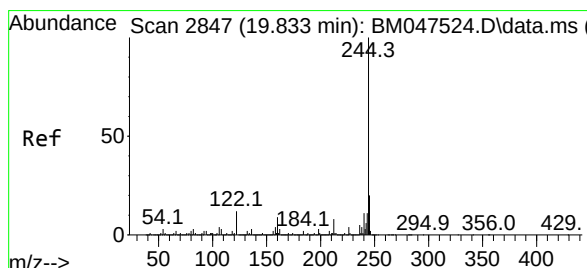
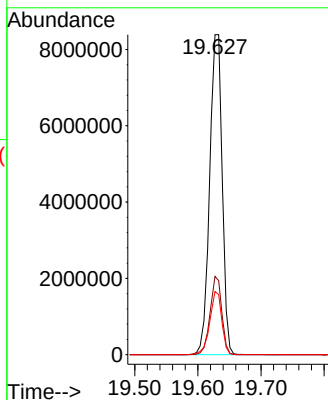
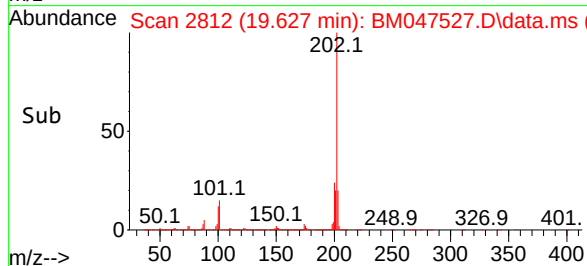
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp:11546011
Ion Ratio Lower Upper
202 100
200 24.4 17.2 25.8
203 19.8 14.0 21.0

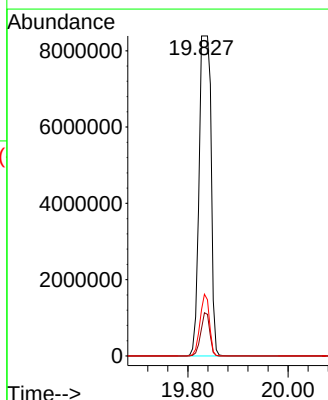
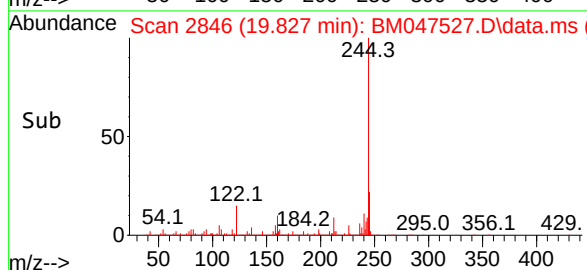
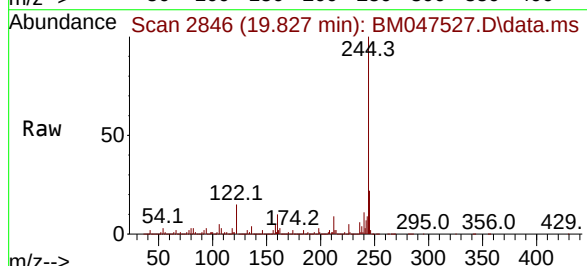
Manual Integrations
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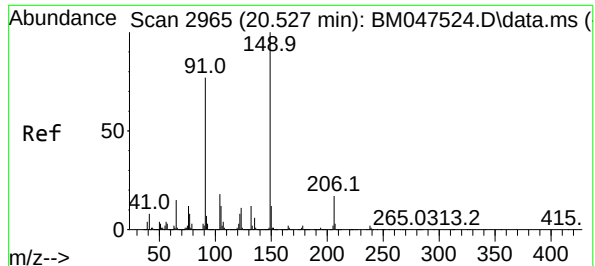
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

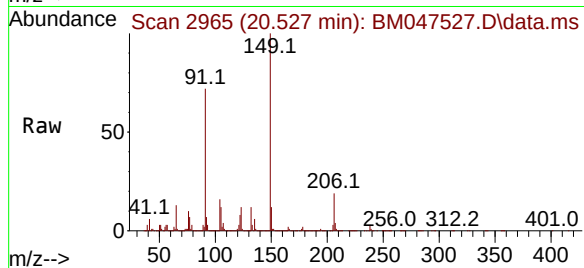
Tgt Ion:244 Resp:13800852
Ion Ratio Lower Upper
244 100
212 8.7 6.2 9.2
122 14.5 9.6 14.4#





#80
Butylbenzylphthalate
Concen: 94.758 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

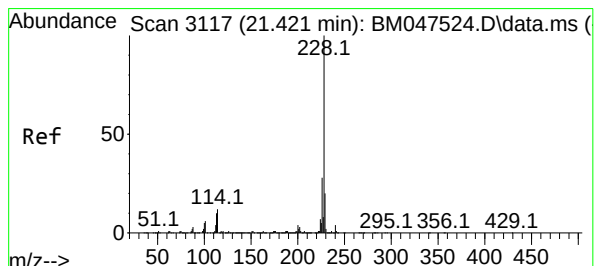
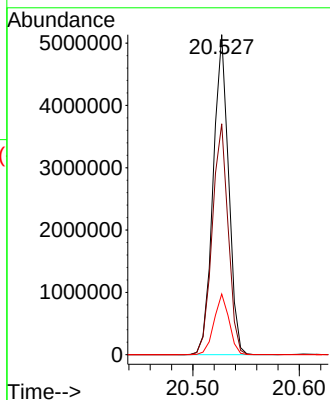
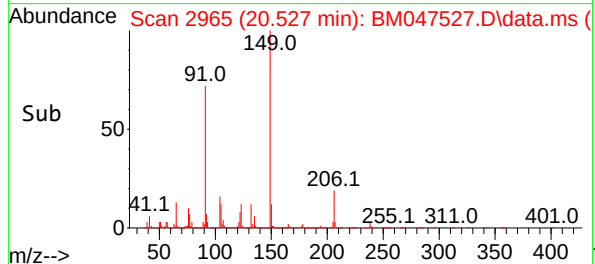
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

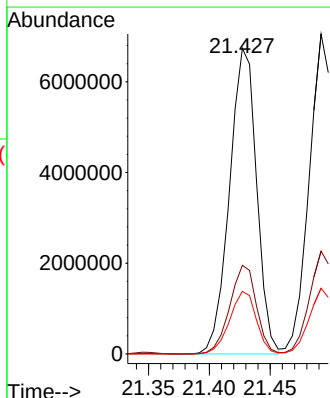
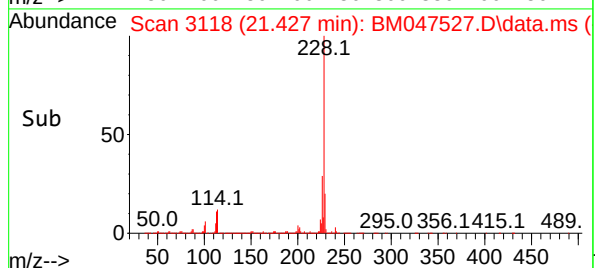
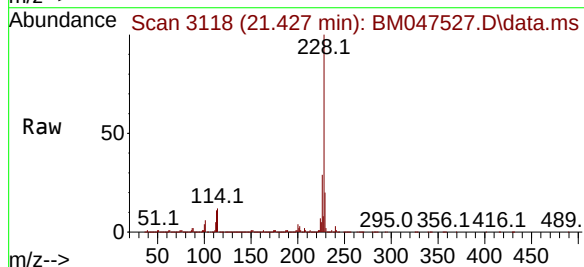
Manual Integrations
APPROVED

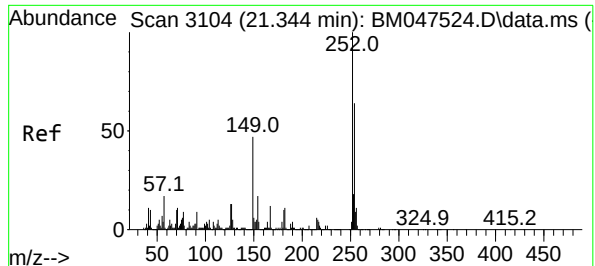
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 3105

Delta R.T. 0.006 min

Lab File: BM047527.D

Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 2865589

Ion Ratio Lower Upper

252 100

254 64.7 51.5 77.3

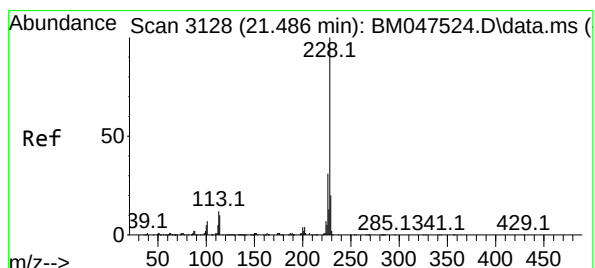
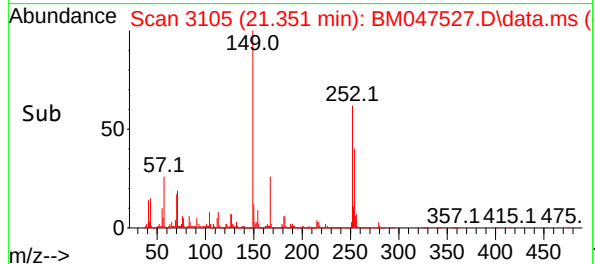
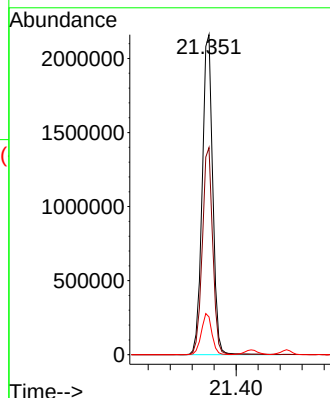
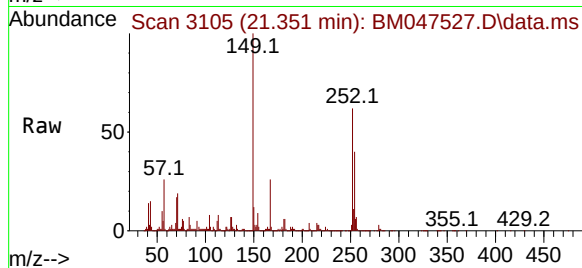
126 11.8 10.3 15.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

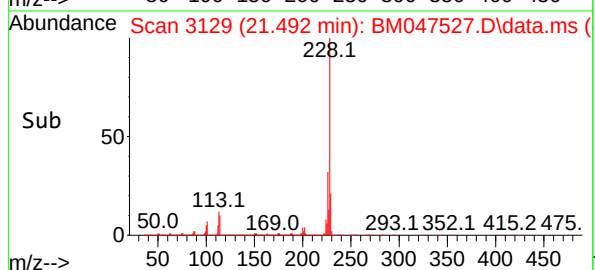
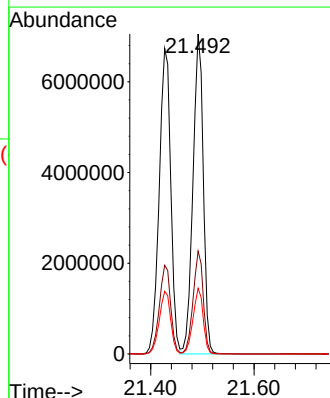
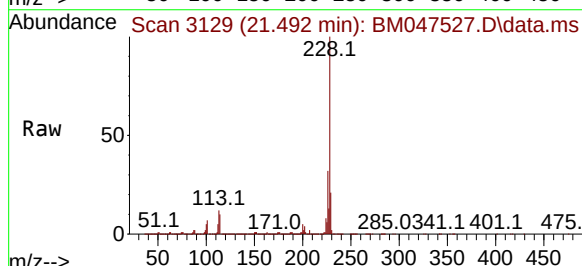
Tgt Ion:228 Resp: 9790429

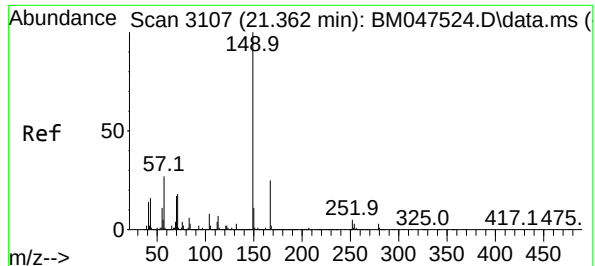
Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.6

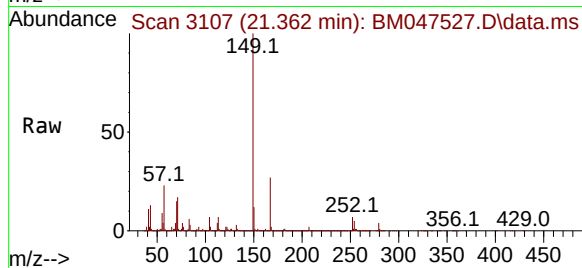
229 20.6 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 94.112 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

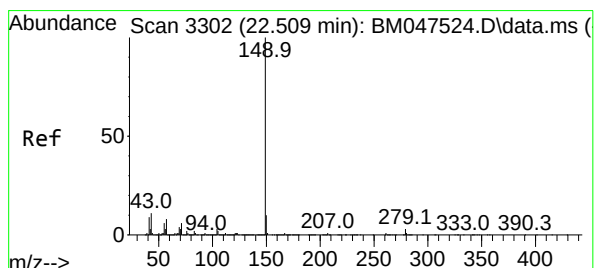
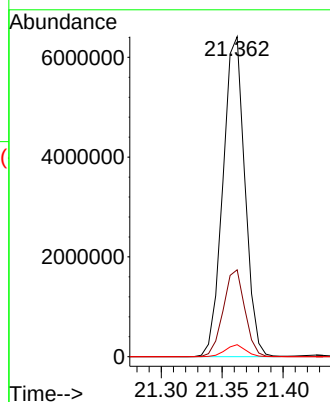
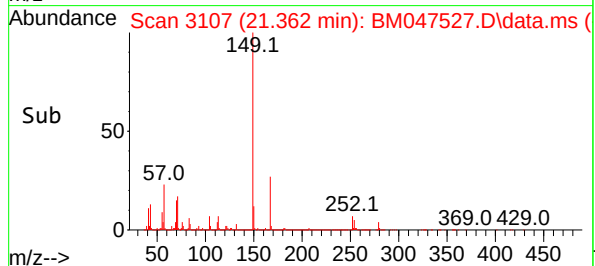
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 8042940
Ion Ratio Lower Upper
149 100
167 27.2 20.2 30.4
279 3.7 2.6 4.0

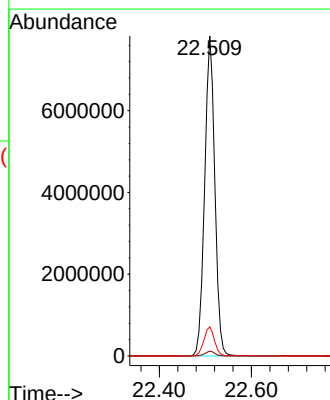
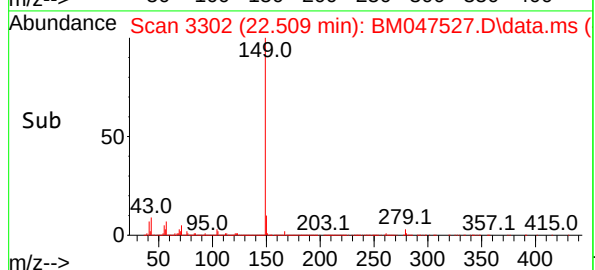
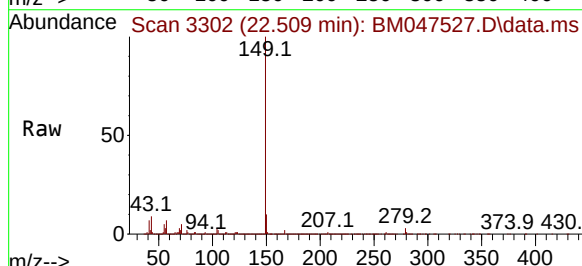
Manual Integrations
APPROVED

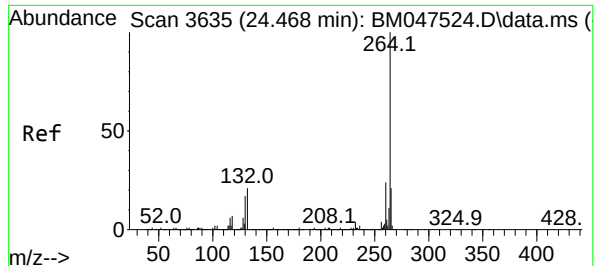
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

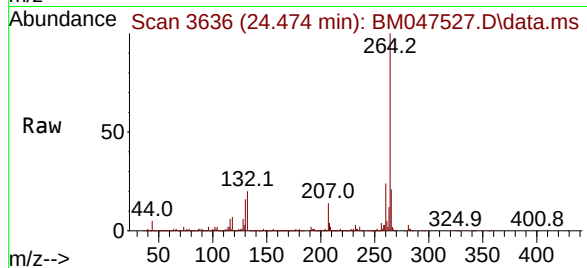
Tgt Ion:149 Resp:12044470
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 9.5 8.9 13.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 30
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

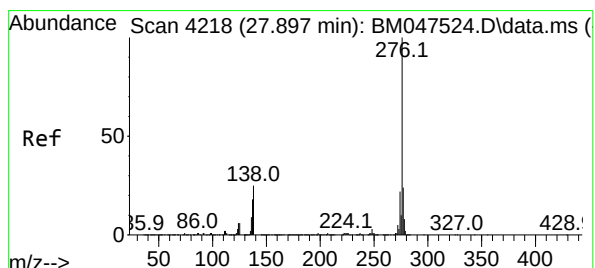
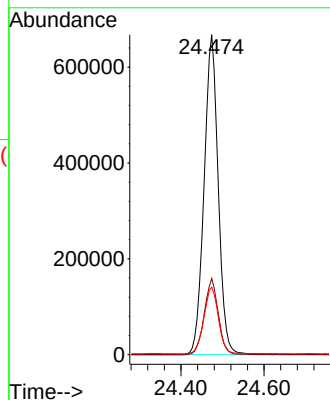
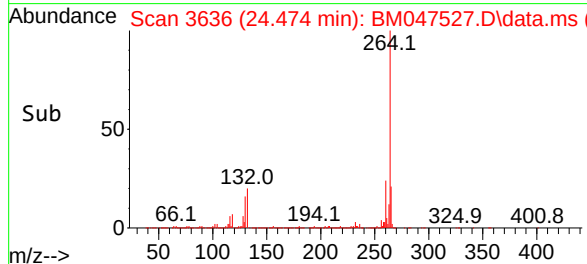
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



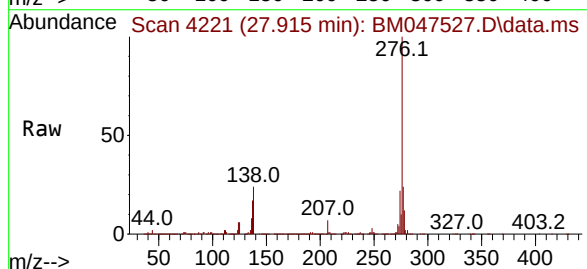
Tgt Ion:264 Resp: 157639
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.1 17.4 26.2

Manual Integrations
APPROVED

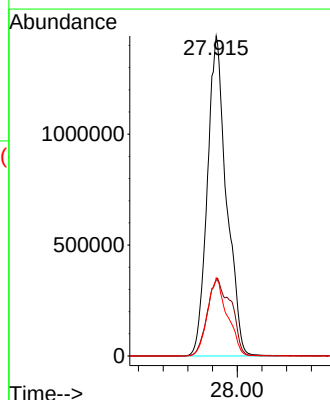
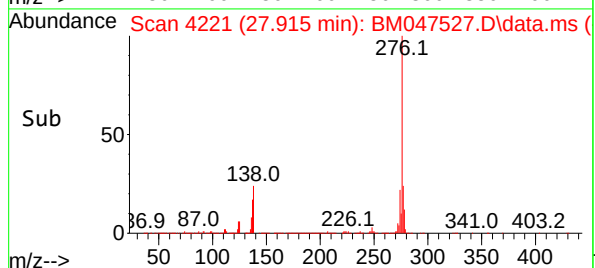
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

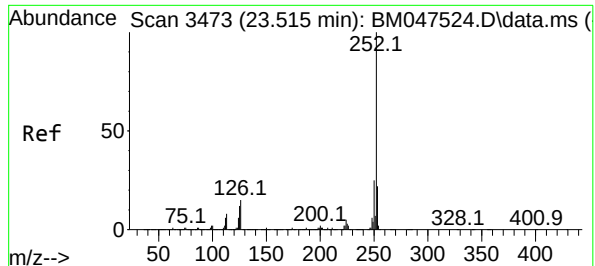


#87
Indeno(1,2,3-cd)pyrene
Concen: 82.411 ng
RT: 27.915 min Scan# 4221
Delta R.T. 0.018 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34



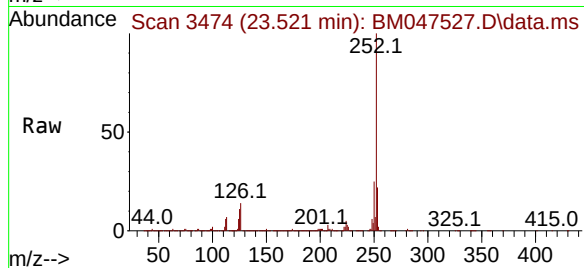
Tgt Ion:276 Resp: 7774612
Ion Ratio Lower Upper
276 100
138 29.9 25.0 37.6
277 25.3 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 88.549 ng
RT: 23.521 min Scan# 3474
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

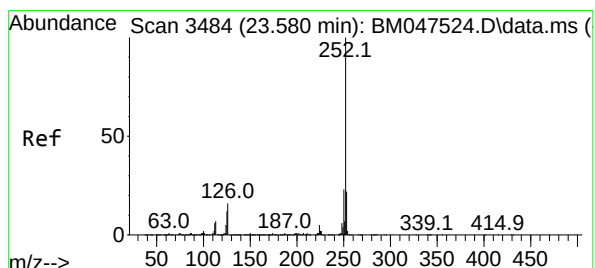
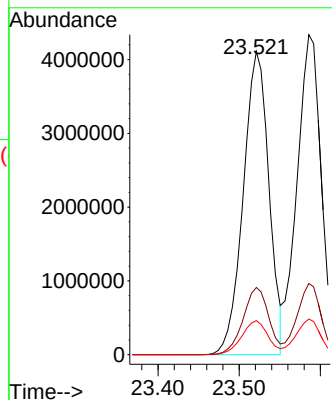
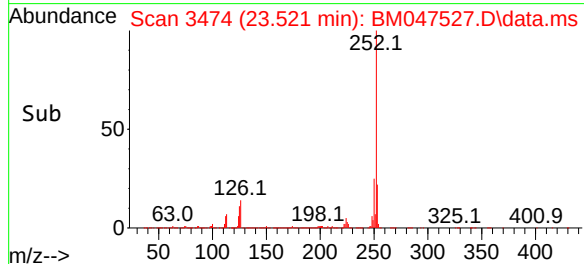
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



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

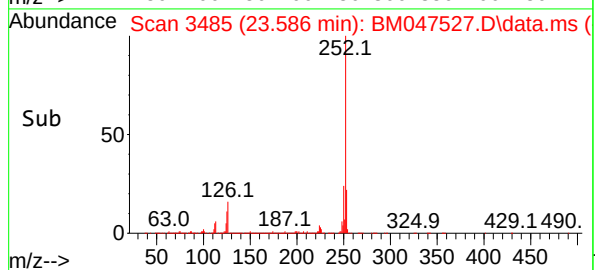
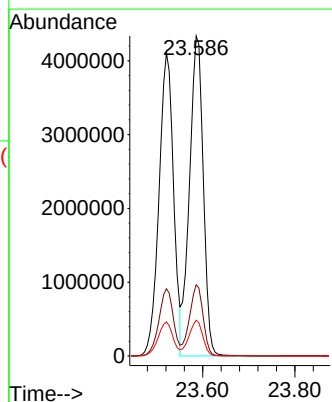
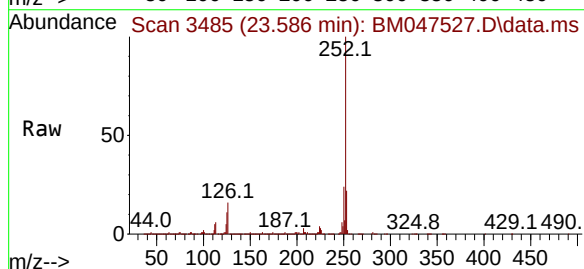
Manual Integrations
APPROVED

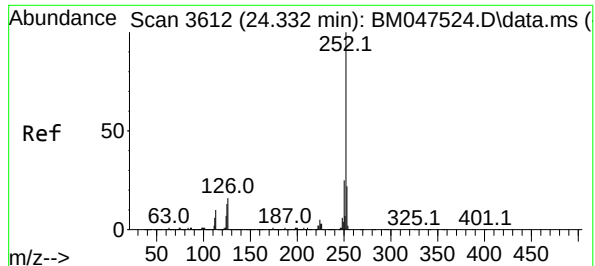
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

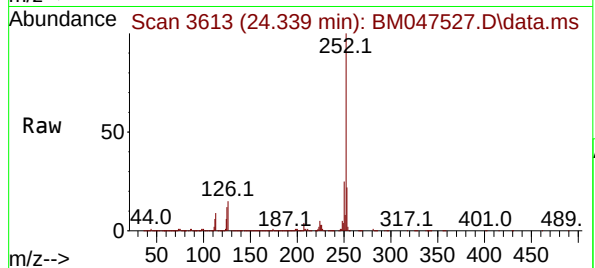
Tgt Ion:252 Resp: 8979117
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.2 9.5 14.3





#90
Benzo(a)pyrene
Concen: 88.303 ng
RT: 24.339 min Scan# 30
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

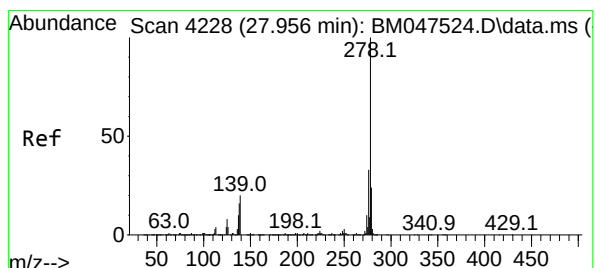
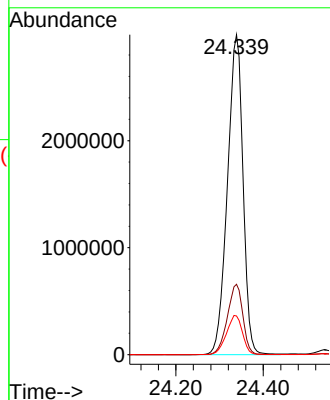
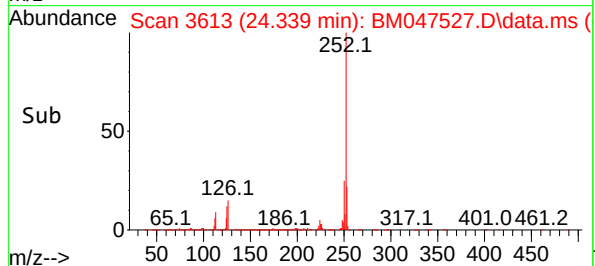
Instrument :
BNA_M
ClientSampleId :
SSTDICC080



Tgt Ion:252 Resp: 7381760
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 12.1 10.2 15.4

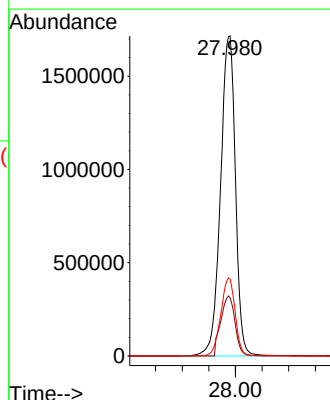
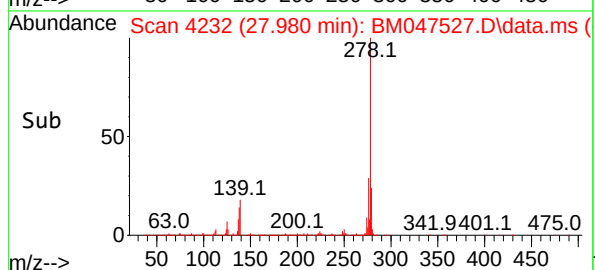
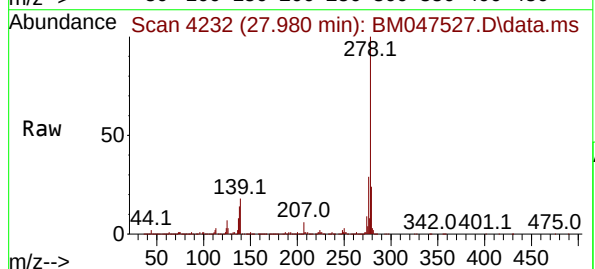
Manual Integrations
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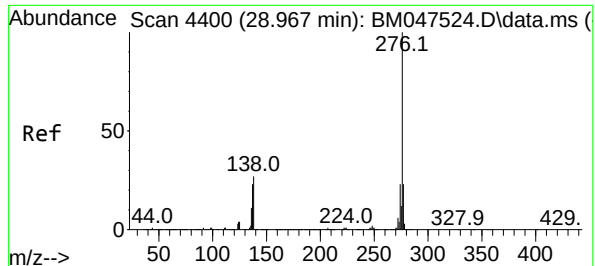
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

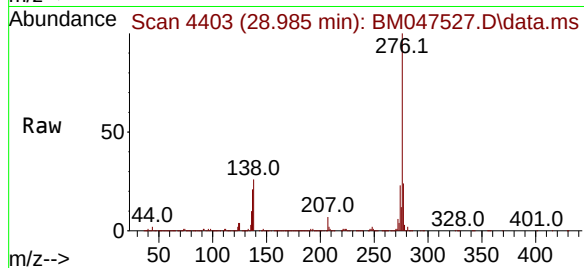
Acq: 14 Sep 2024 16:34

Instrument :

BNA_M

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 623038

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

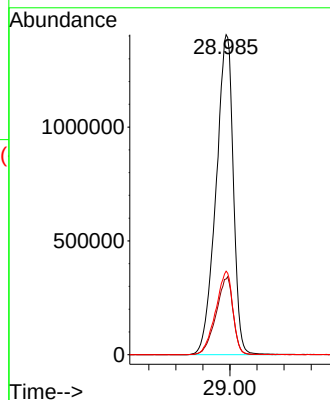
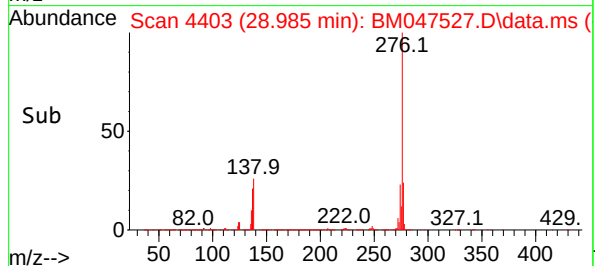
138 26.1 21.5 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
 Data File : BM047528.D
 Acq On : 14 Sep 2024 17:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:58:50 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:56:37 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	433518	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1934458	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	1155790	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	2184120	20.000	ng	0.00
76) Chrysene-d12	21.439	240	2018814	20.000	ng	0.00
86) Perylene-d12	24.468	264	1739593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2153145	79.080	ng	0.00
7) Phenol-d6	7.010	99	3115031	81.240	ng	0.00
23) Nitrobenzene-d5	9.004	82	3054251	79.016	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	968206	86.666	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	6760498	80.575	ng	0.00
79) Terphenyl-d14	19.833	244	9440273	83.794	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	436365	37.418	ng	98
3) Pyridine	3.716	79	1328681m	38.276	ng	
4) n-Nitrosodimethylamine	3.628	42	591123	37.531	ng	97
6) Aniline	7.175	93	1362320	40.075	ng	100
8) 2-Chlorophenol	7.416	128	1213673	40.435	ng	98
9) Benzaldehyde	6.987	77	776761	42.604	ng	99
10) Phenol	7.034	94	1538335	40.068	ng	98
11) bis(2-Chloroethyl)ether	7.269	93	1225620	39.763	ng	99
12) 1,3-Dichlorobenzene	7.740	146	1291907	39.323	ng	100
13) 1,4-Dichlorobenzene	7.887	146	1312526	39.224	ng	100
14) 1,2-Dichlorobenzene	8.204	146	1296593	39.373	ng	98
15) Benzyl Alcohol	8.087	79	1073257	41.322	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.381	45	1676915m	38.676	ng	
17) 2-Methylphenol	8.287	107	1004306	40.947	ng	98
18) Hexachloroethane	8.934	117	521681	39.026	ng	99
19) n-Nitroso-di-n-propyla...	8.657	70	1067626	41.297	ng	99
20) 3+4-Methylphenols	8.616	107	1406257	41.091	ng	100
22) Acetophenone	8.669	105	2006112	39.445	ng	99
24) Nitrobenzene	9.045	77	1557585	39.215	ng	99
25) Isophorone	9.575	82	2743005	40.365	ng	99
26) 2-Nitrophenol	9.757	139	606239	44.791	ng	96
27) 2,4-Dimethylphenol	9.816	122	827489	40.331	ng	99
28) bis(2-Chloroethoxy)met...	10.057	93	1684233	39.457	ng	99
29) 2,4-Dichlorophenol	10.292	162	1082009	41.509	ng	99
30) 1,2,4-Trichlorobenzene	10.510	180	1183219	39.627	ng	98
31) Naphthalene	10.698	128	4109028	39.330	ng	100
32) Benzoic acid	9.957	122	819547	41.565	ng	98
33) 4-Chloroaniline	10.798	127	1516874	40.157	ng	99
34) Hexachlorobutadiene	10.992	225	650005	39.303	ng	99
35) Caprolactam	11.580	113	381738	44.462	ng	92
36) 4-Chloro-3-methylphenol	11.922	107	1239823	41.503	ng	100
37) 2-Methylnaphthalene	12.310	142	2801320	40.287	ng	99
38) 1-Methylnaphthalene	12.527	142	2789337	40.366	ng	99
40) 1,2,4,5-Tetrachloroben...	12.674	216	1232956	39.423	ng	99
41) Hexachlorocyclopentadiene	12.663	237	391885	38.330	ng	99
43) 2,4,6-Trichlorophenol	12.910	196	819111	41.805	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
 Data File : BM047528.D
 Acq On : 14 Sep 2024 17:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:58:50 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:56:37 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	920532	41.595	ng	99
46) 1,1'-Biphenyl	13.316	154	3562522	39.616	ng	99
47) 2-Chloronaphthalene	13.357	162	2778294	39.789	ng	100
48) 2-Nitroaniline	13.551	65	862825	42.070	ng	99
49) Acenaphthylene	14.204	152	4062122	40.313	ng	100
50) Dimethylphthalate	13.939	163	3130077	39.733	ng	99
51) 2,6-Dinitrotoluene	14.051	165	692880	41.664	ng	97
52) Acenaphthene	14.545	154	2855304	40.442	ng	99
53) 3-Nitroaniline	14.374	138	780701	42.236	ng	97
54) 2,4-Dinitrophenol	14.580	184	303273	41.320	ng	91
55) Dibenzofuran	14.880	168	3929087	39.603	ng	100
56) 4-Nitrophenol	14.674	139	666432	43.814	ng	96
57) 2,4-Dinitrotoluene	14.833	165	944153	42.569	ng	100
58) Fluorene	15.527	166	3652975	40.896	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.104	232	714256	41.395	ng	100
60) Diethylphthalate	15.304	149	3394013	40.482	ng	99
61) 4-Chlorophenyl-phenyle...	15.521	204	1650317	40.407	ng	99
62) 4-Nitroaniline	15.533	138	943457	43.422	ng	99
63) Azobenzene	15.815	77	3638400	39.412	ng	98
65) 4,6-Dinitro-2-methylph...	15.598	198	426927	39.815	ng	88
66) n-Nitrosodiphenylamine	15.733	169	2709417	40.550	ng	100
67) 4-Bromophenyl-phenylether	16.415	248	867359	40.870	ng	94
68) Hexachlorobenzene	16.527	284	970735	40.377	ng	99
69) Atrazine	16.680	200	770740	41.735	ng	99
70) Pentachlorophenol	16.862	266	622891	44.695	ng	99
71) Phenanthrene	17.257	178	4802982	39.903	ng	100
72) Anthracene	17.351	178	4737394	40.965	ng	100
73) Carbazole	17.615	167	4733275	41.301	ng	100
74) Di-n-butylphthalate	18.186	149	5807192	42.350	ng	100
75) Fluoranthene	19.268	202	5531833	42.122	ng	99
77) Benzidine	19.445	184	1045554	36.773	ng	99
78) Pyrene	19.627	202	5859728	39.792	ng	99
80) Butylbenzylphthalate	20.521	149	2448871	43.200	ng	98
81) Benzo(a)anthracene	21.421	228	5336342	40.554	ng	100
82) 3,3'-Dichlorobenzidine	21.345	252	1561668	44.615	ng	99
83) Chrysene	21.486	228	5016069	40.301	ng	100
84) Bis(2-ethylhexyl)phtha...	21.356	149	3908511	44.013	ng	99
85) Di-n-octyl phthalate	22.503	149	5845092	46.533	ng	99
87) Indeno(1,2,3-cd)pyrene	27.897	276	4045117	38.856	ng	# 90
88) Benzo(b)fluoranthene	23.515	252	4654837	41.356	ng	99
89) Benzo(k)fluoranthene	23.580	252	4639524	41.592	ng	99
90) Benzo(a)pyrene	24.327	252	3794215	41.129	ng	99
91) Dibenzo(a,h)anthracene	27.962	278	3421259	39.061	ng	99
92) Benzo(g,h,i)perylene	28.968	276	3226301	37.708	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

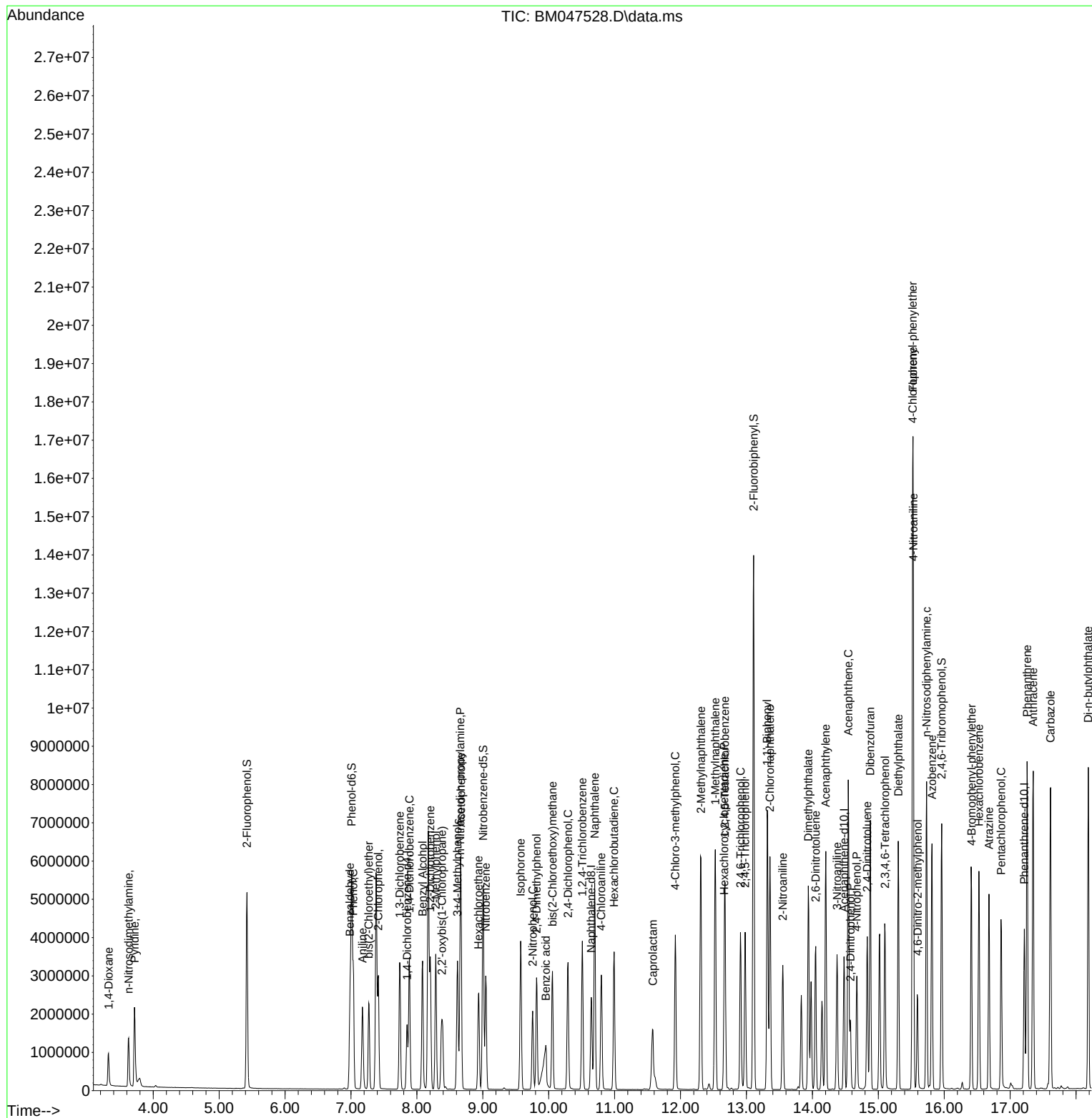
Manual Integrations

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



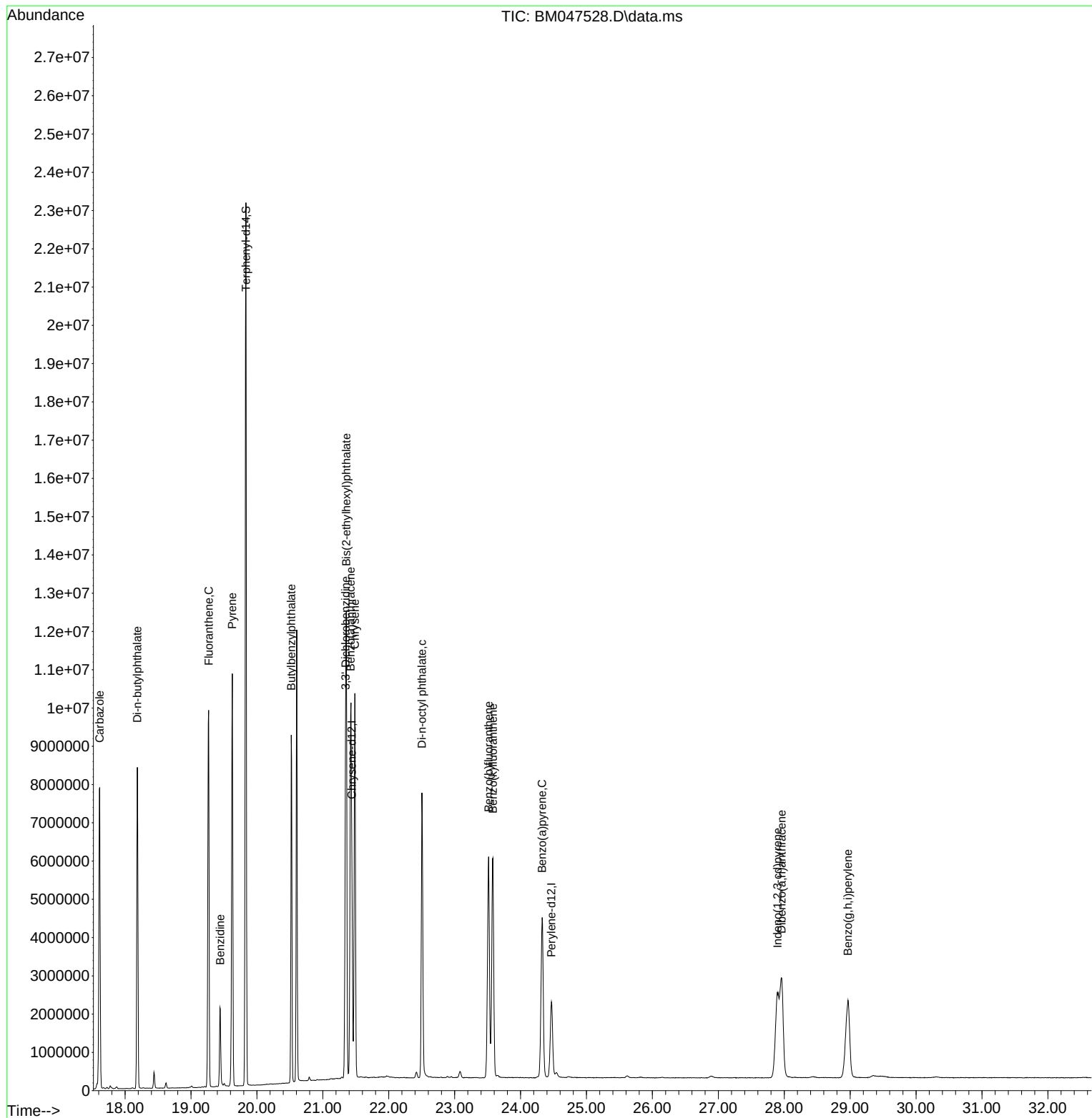
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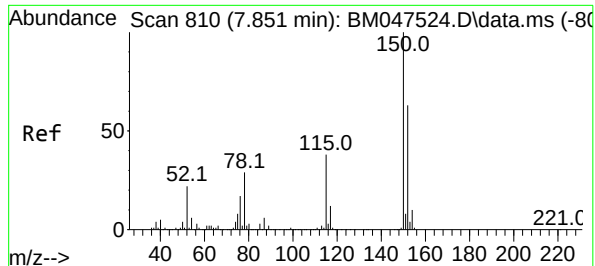
Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Manual Integrations
APPROVED

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

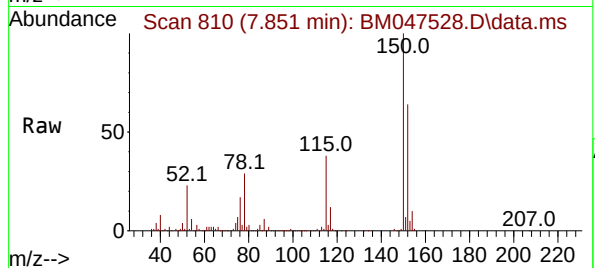
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

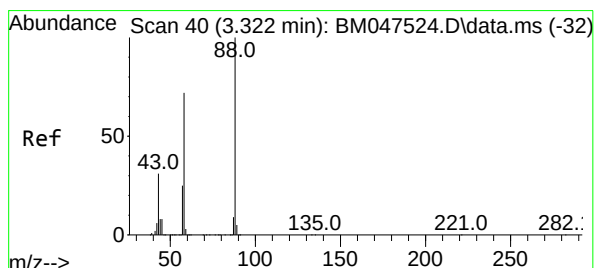
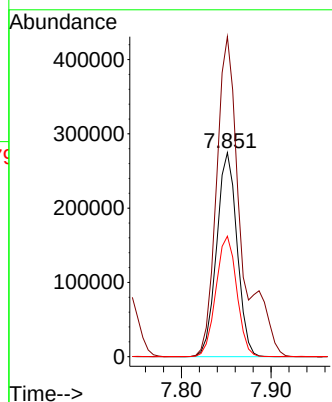
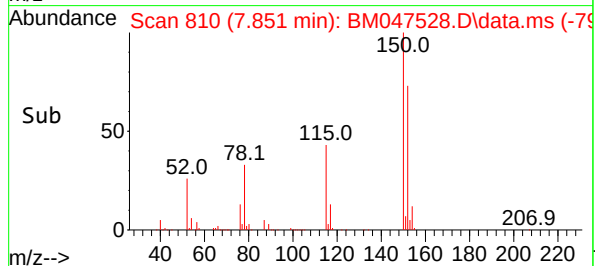
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



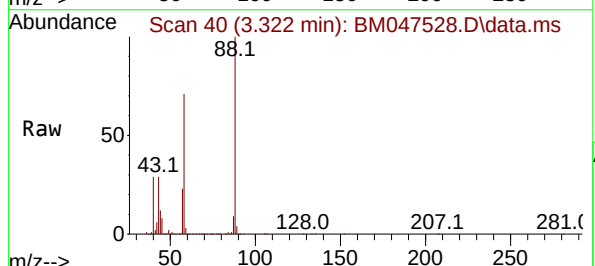
Tgt Ion: 152 Resp: 433518
Ion Ratio Lower Upper
152 100
150 156.8 126.8 190.2
115 59.1 47.8 71.8

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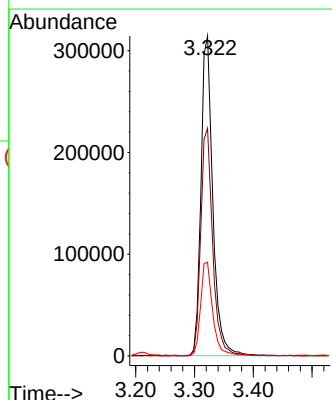
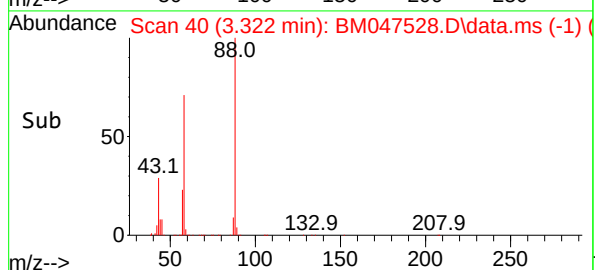
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

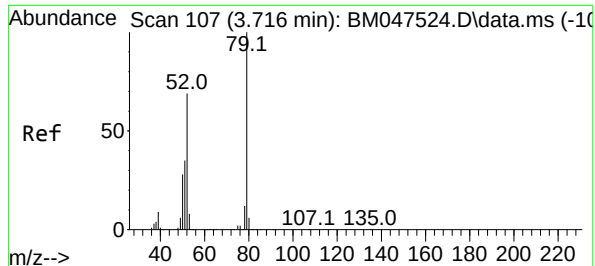


#2
1,4-Dioxane
Concen: 37.418 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53



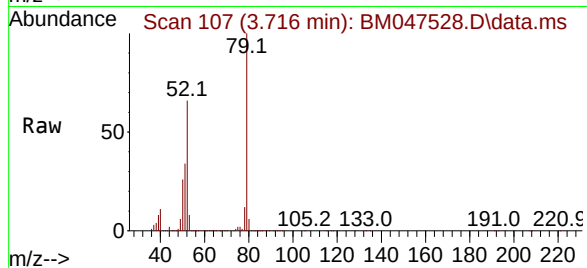
Tgt Ion: 88 Resp: 436365
Ion Ratio Lower Upper
88 100
58 72.4 59.0 88.6
43 29.9 25.0 37.4





#3
Pyridine
Concen: 38.276 ng/ml
RT: 3.716 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

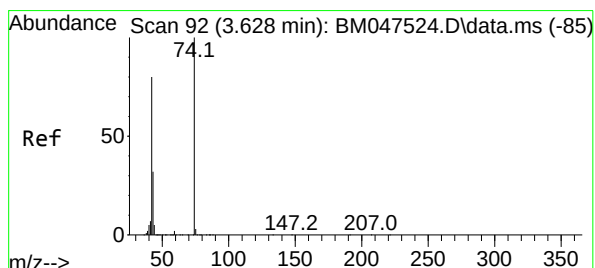
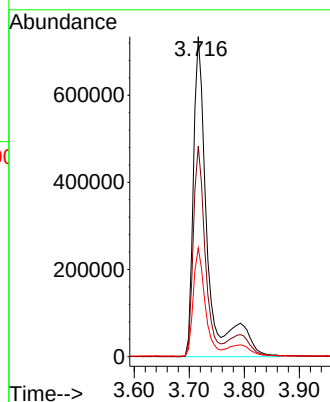
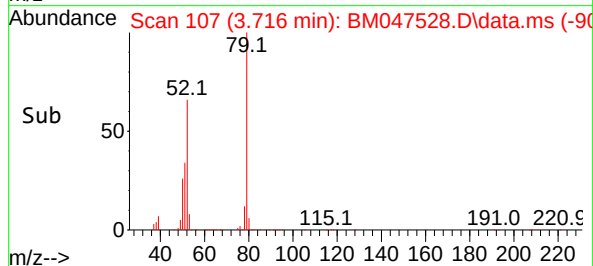
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

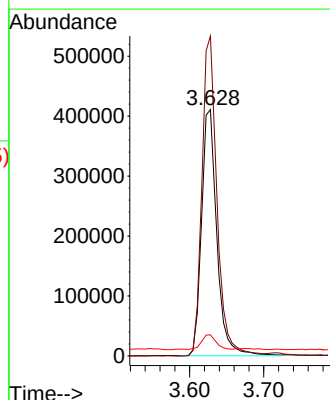
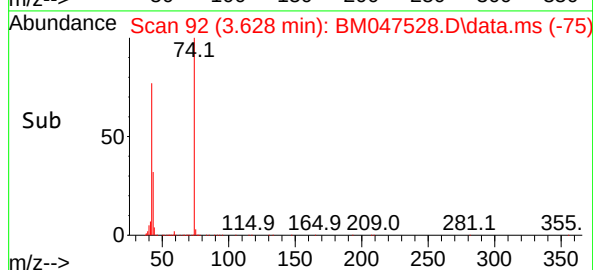
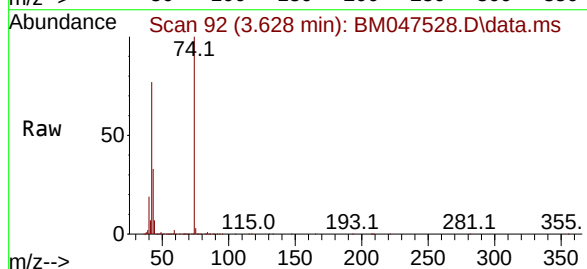
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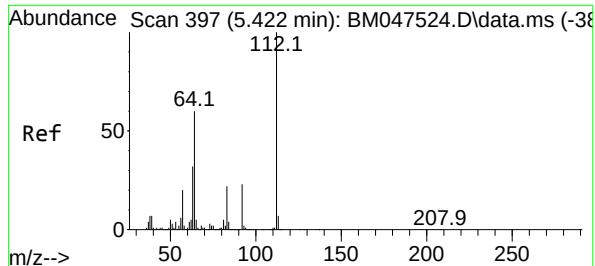
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

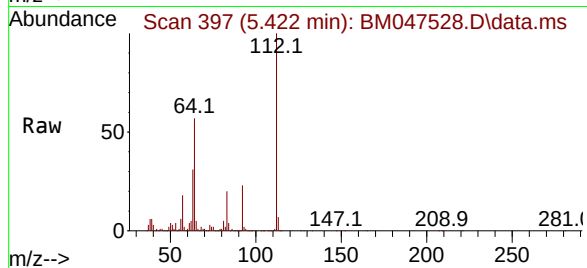
Tgt Ion: 42 Resp: 591123
Ion Ratio Lower Upper
42 100
74 129.9 100.5 150.7
44 8.6 6.9 10.3





#5
2-Fluorophenol
Concen: 79.080 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

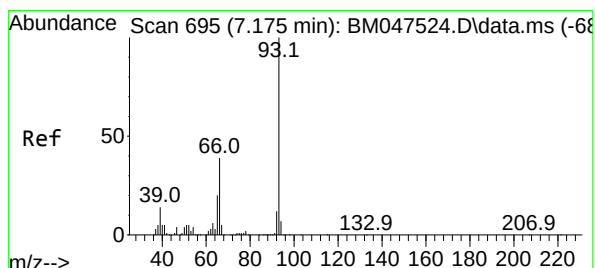
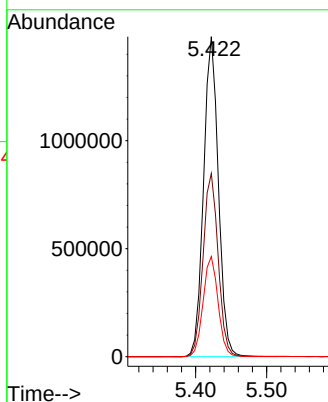
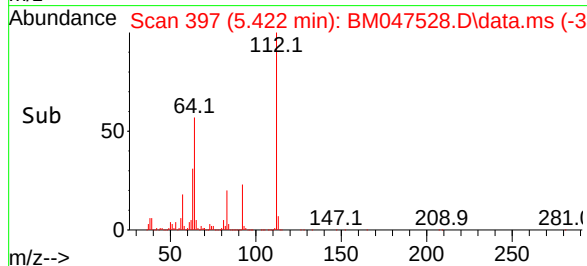
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

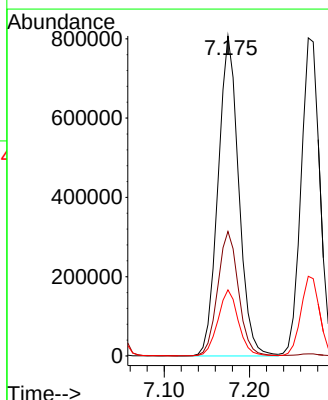
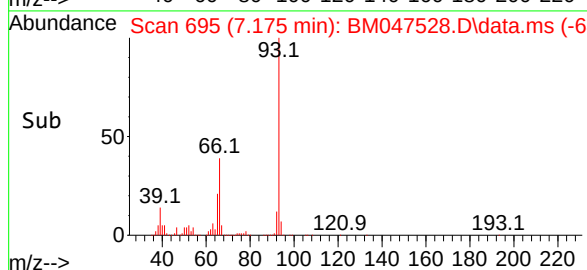
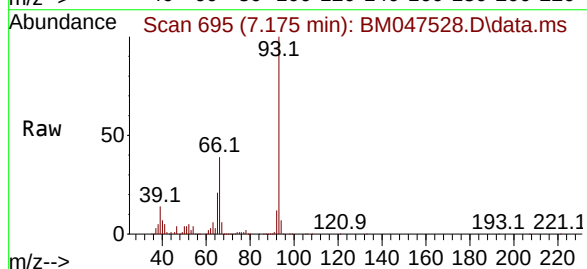
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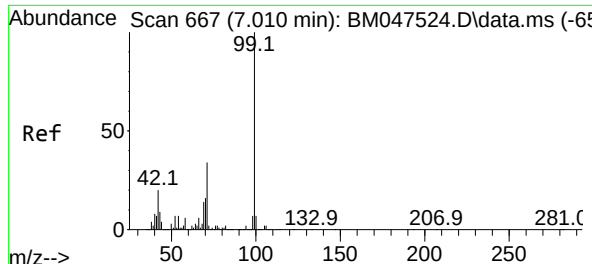
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 667

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Tgt Ion: 99 Resp: 311503

Ion Ratio Lower Upper

99 100

42 18.6 15.8 23.8

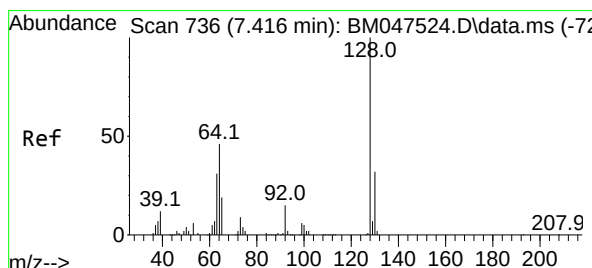
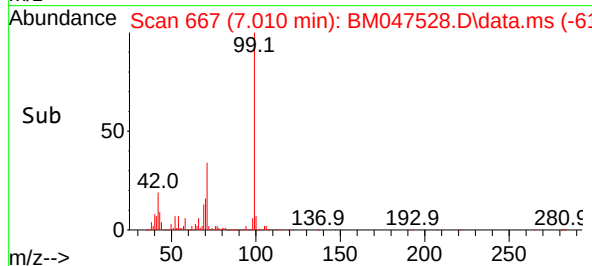
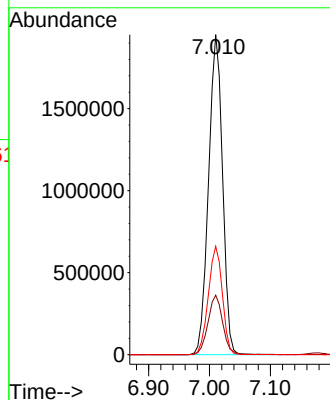
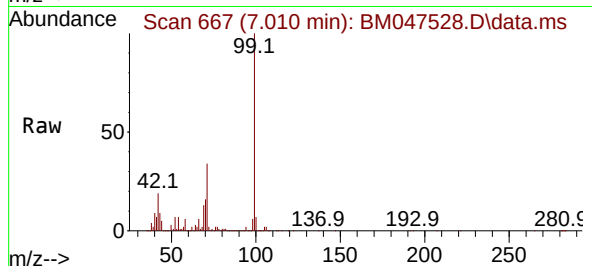
71 33.8 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#8

2-Chlorophenol

Concen: 40.435 ng

RT: 7.416 min Scan# 736

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

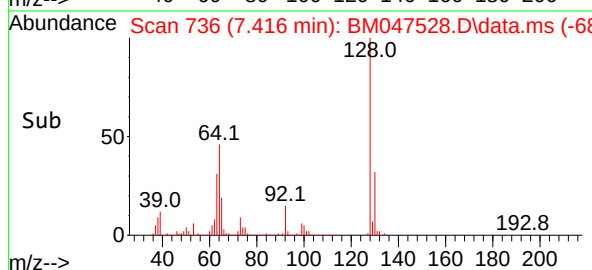
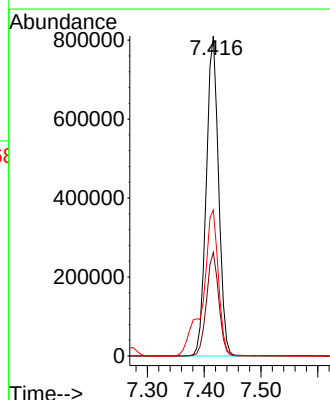
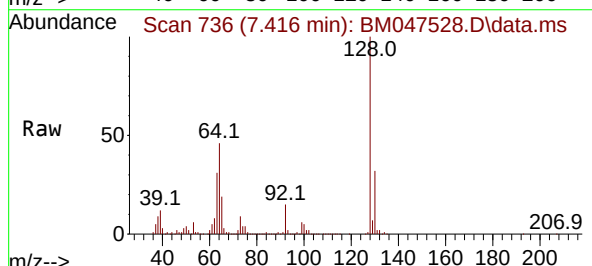
Tgt Ion:128 Resp: 1213673

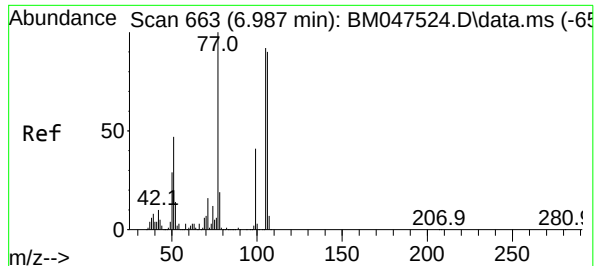
Ion Ratio Lower Upper

128 100

130 32.3 11.8 51.8

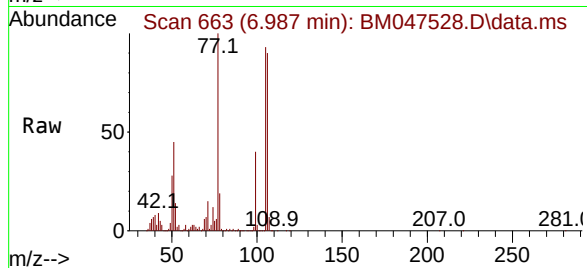
64 45.6 27.6 67.6





#9
Benzaldehyde
Concen: 42.604 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

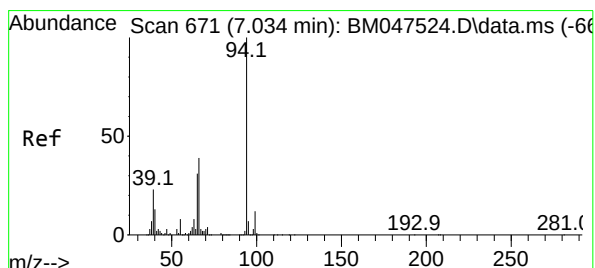
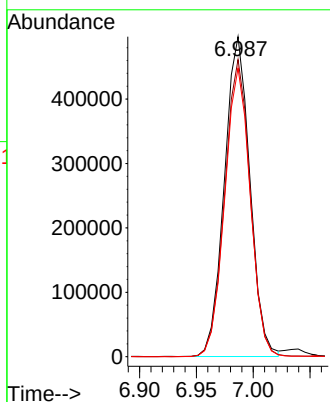
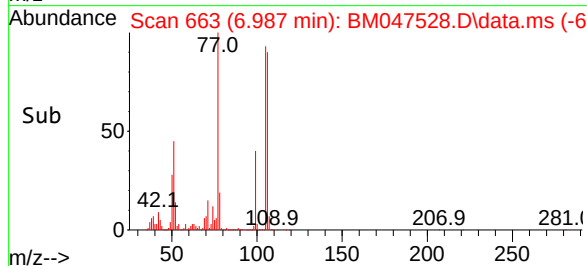
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion: 77 Resp: 776763
Ion Ratio Lower Upper
77 100
105 92.8 71.8 111.8
106 90.1 69.7 109.7

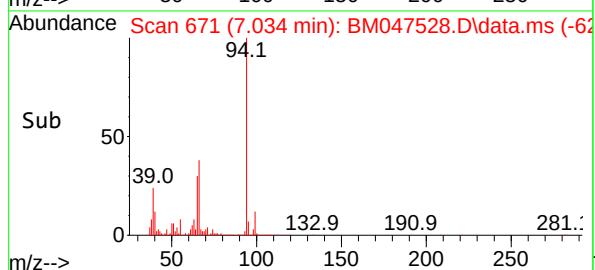
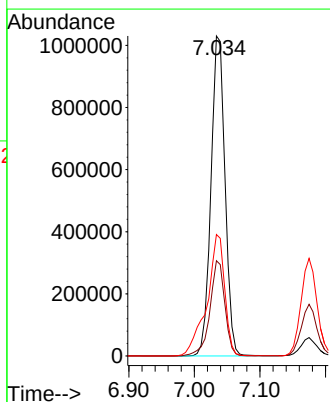
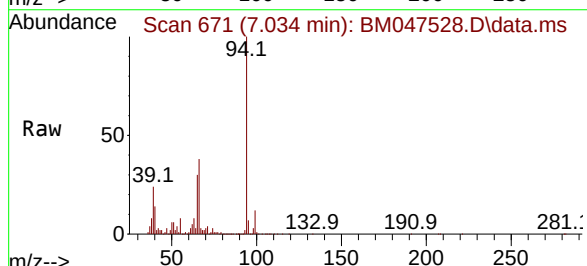
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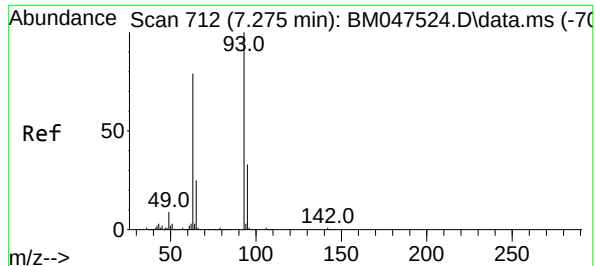
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





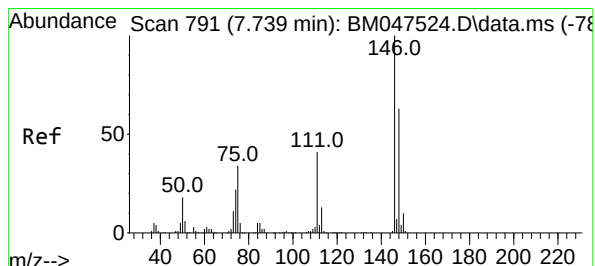
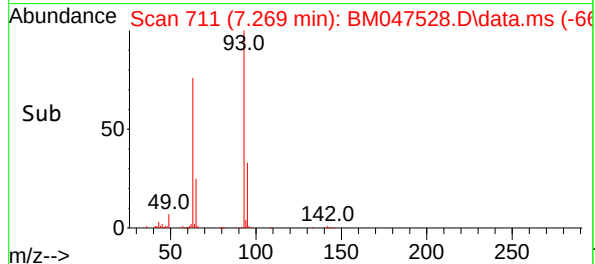
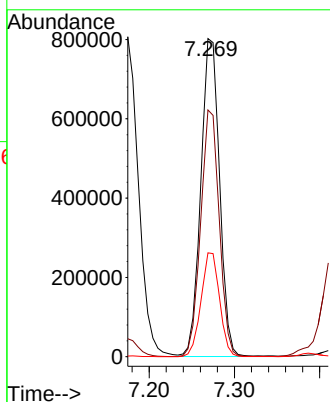
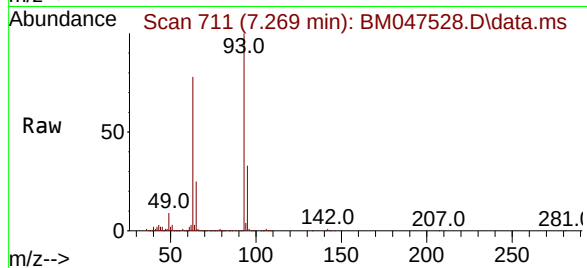
#11
bis(2-Chloroethyl)ether
Concen: 39.763 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Tgt Ion: 93 Resp: 1225620
Ion Ratio Lower Upper
93 100
63 77.6 58.2 98.2
95 32.6 12.8 52.8

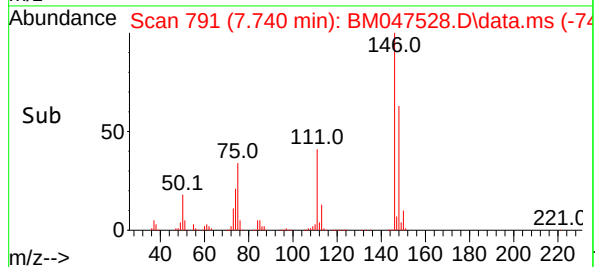
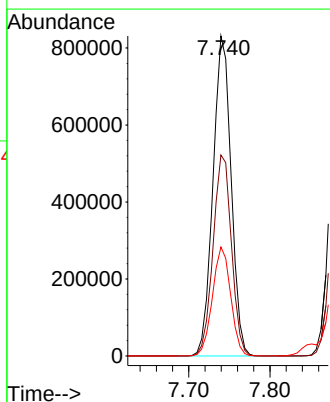
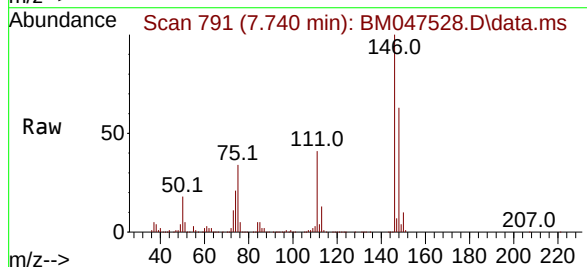
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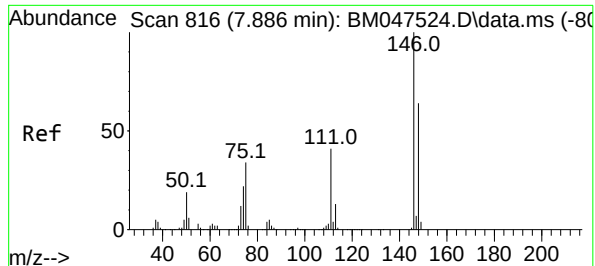
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 816

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Tgt Ion:146 Resp: 1312520

Ion Ratio Lower Upper

146 100

148 64.2 51.3 76.9

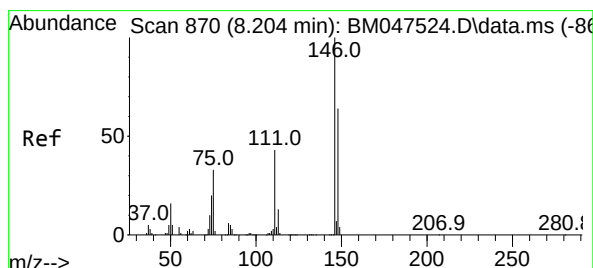
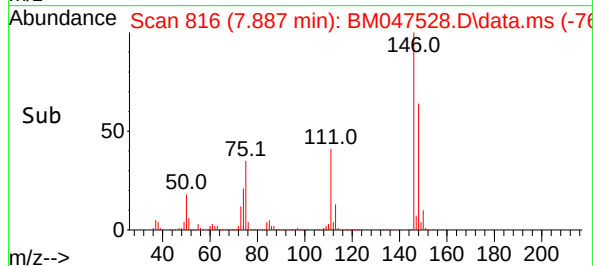
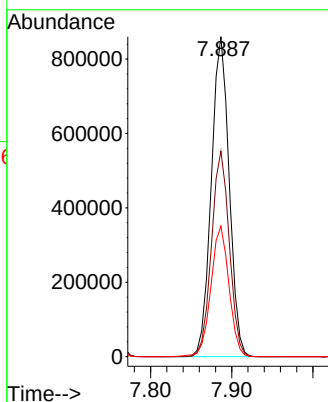
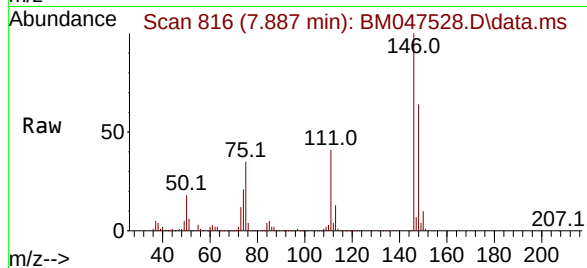
111 40.8 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

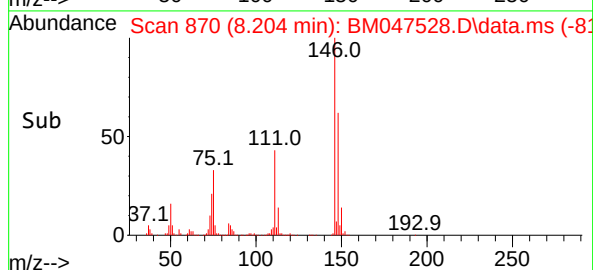
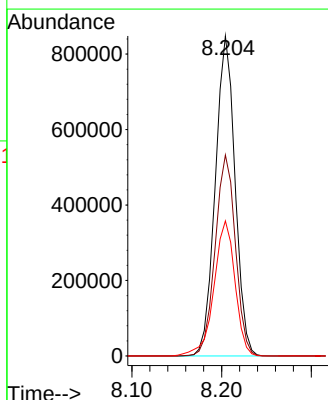
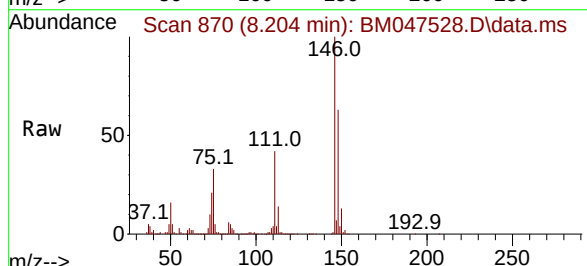
Tgt Ion:146 Resp: 1296593

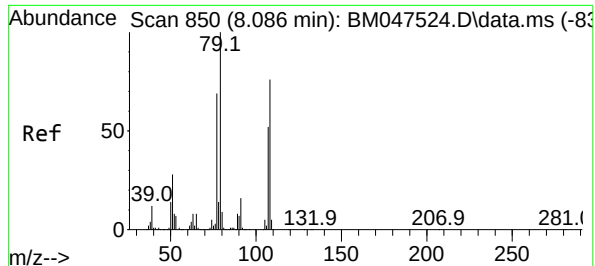
Ion Ratio Lower Upper

146 100

148 62.8 51.1 76.7

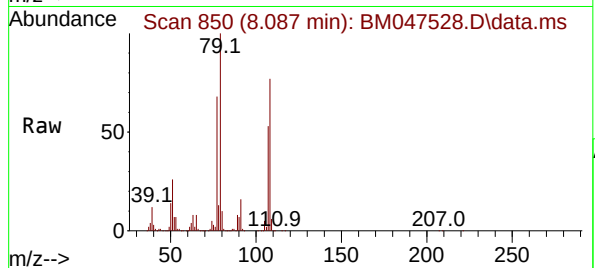
111 42.2 34.7 52.1





#15
Benzyl Alcohol
Concen: 41.322 ng
RT: 8.087 min Scan# 850
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

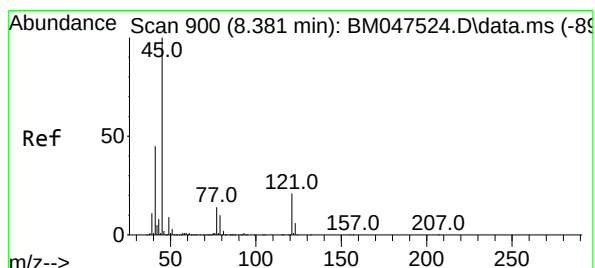
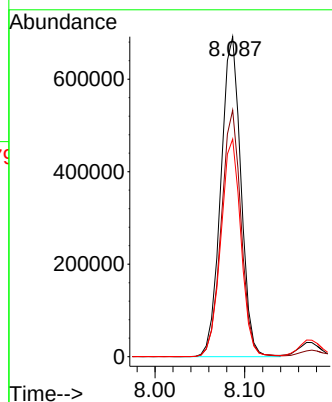
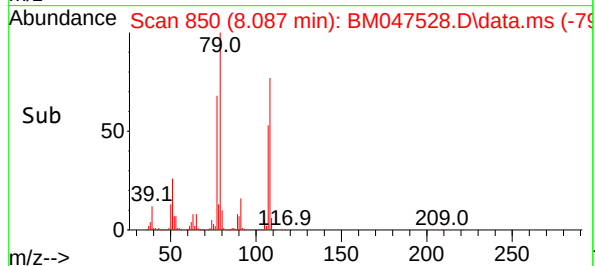
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

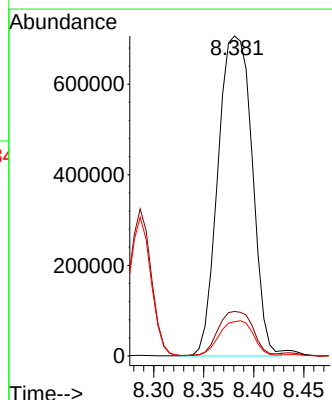
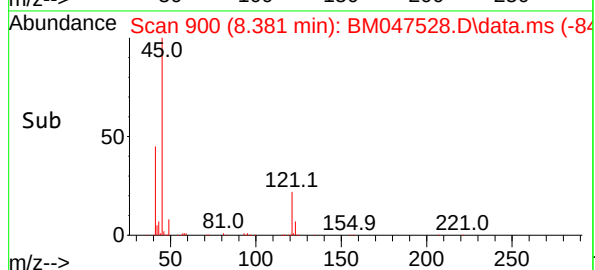
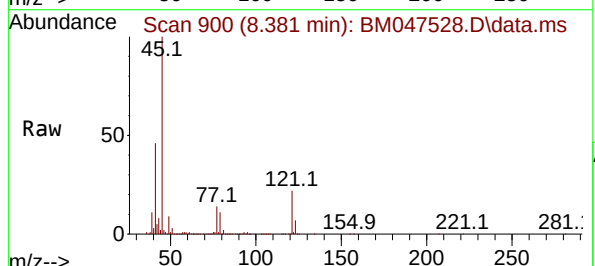
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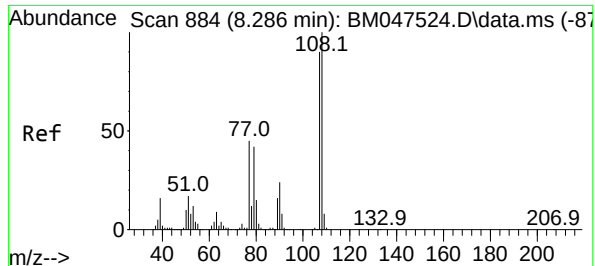
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 884

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Tgt Ion:107 Resp: 1004300

Ion Ratio Lower Upper

107 100

108 114.5 88.9 133.3

77 49.8 39.8 59.8

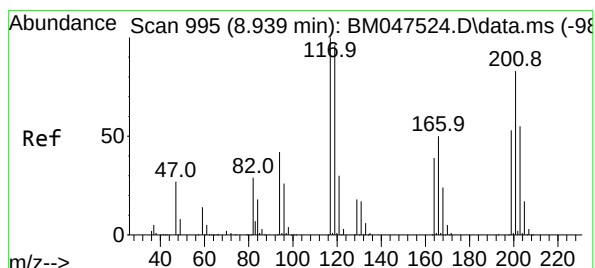
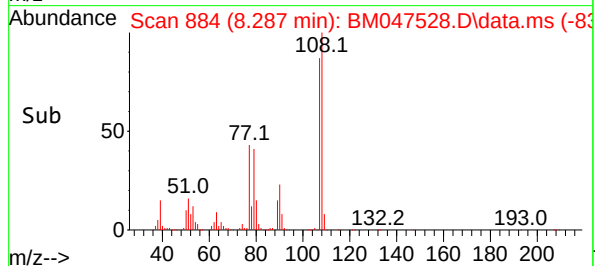
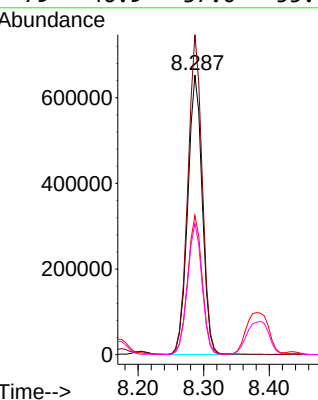
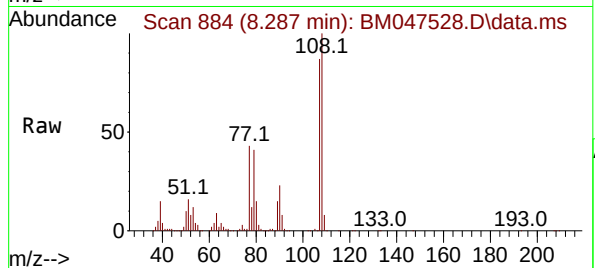
79 46.9 37.0 55.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

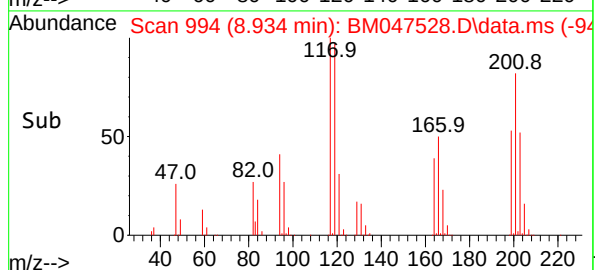
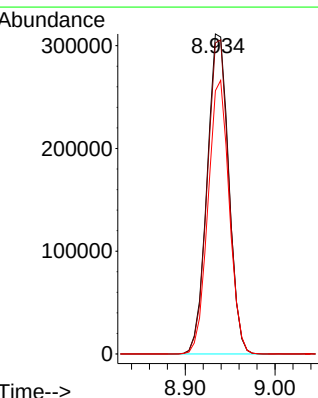
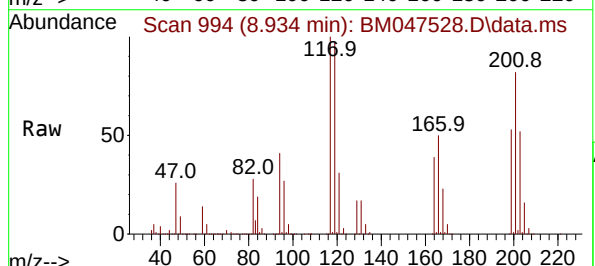
Tgt Ion:117 Resp: 521681

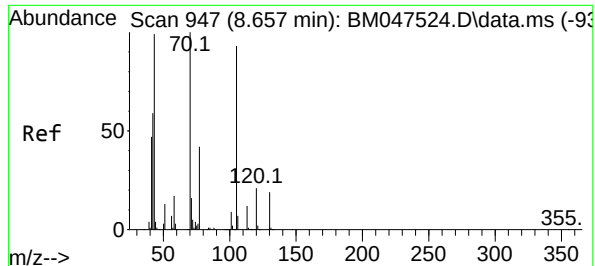
Ion Ratio Lower Upper

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# 947

Delta R.T. 0.000 min

Lab File: BM047528.D

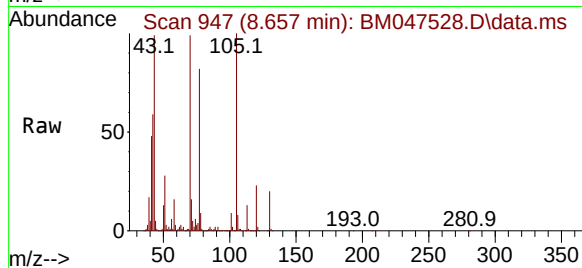
Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424



Tgt Ion: 70 Resp: 1067620

Ion Ratio Lower Upper

70 100

42 59.9 48.2 72.2

101 9.5 7.0 10.4

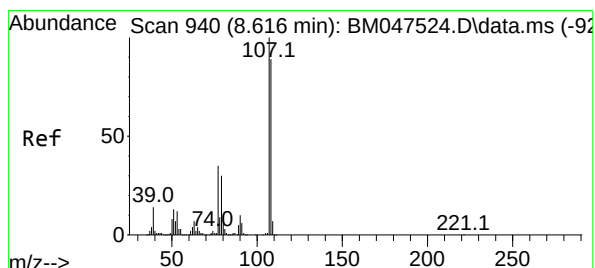
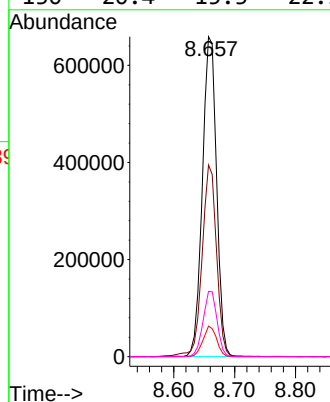
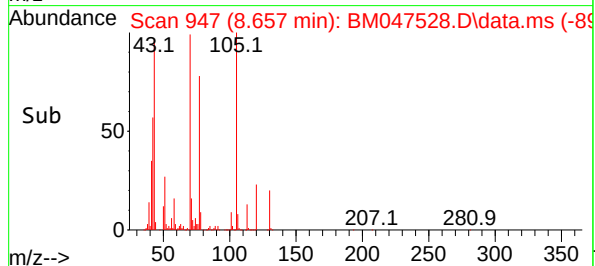
130 20.4 15.3 22.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

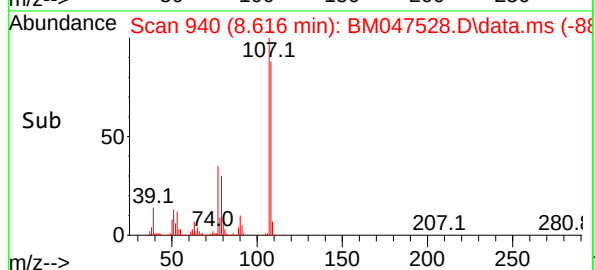
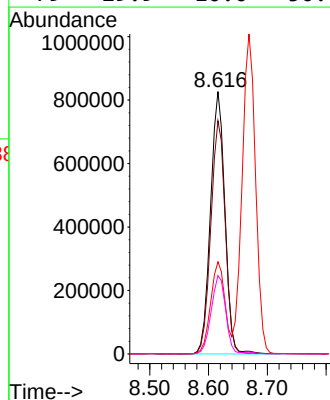
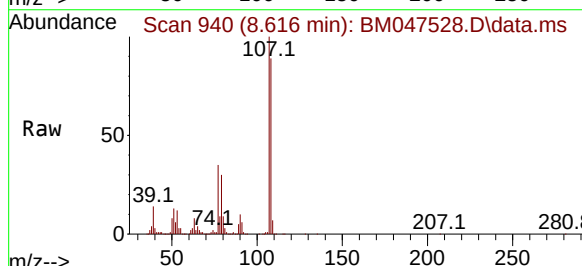
Ion Ratio Lower Upper

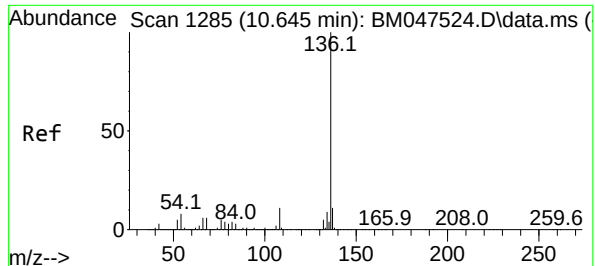
107 100

108 88.9 68.9 108.9

77 35.1 15.5 55.5

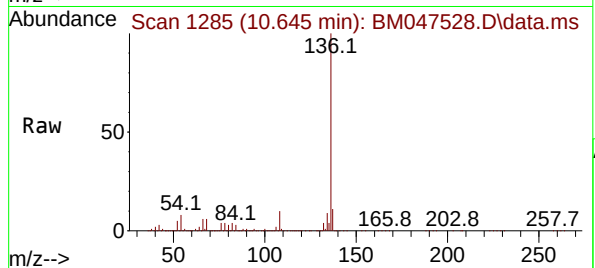
79 29.9 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

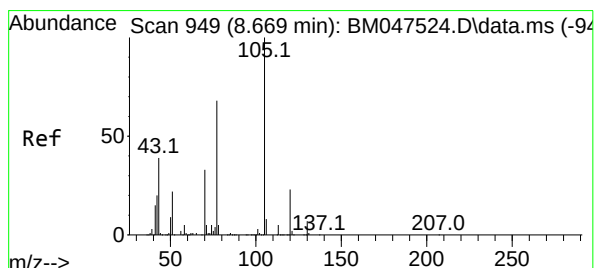
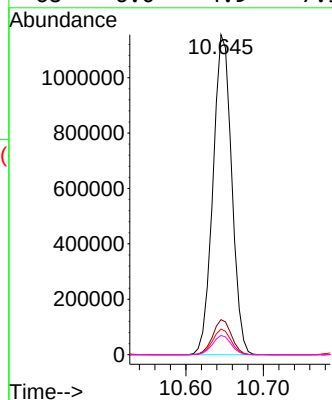
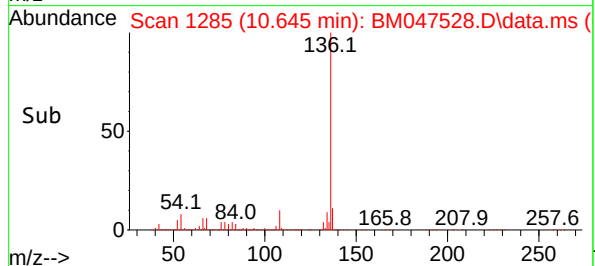
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:136 Resp: 1934458
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

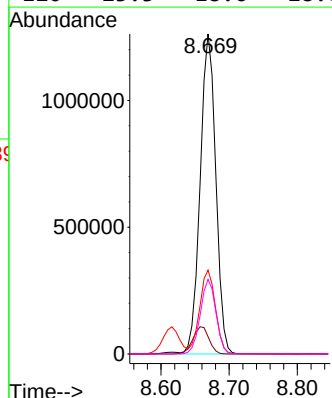
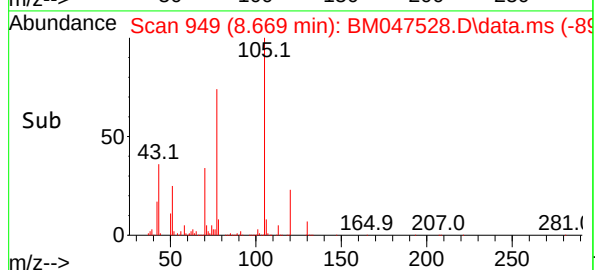
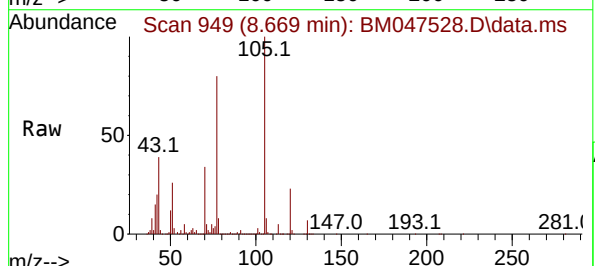
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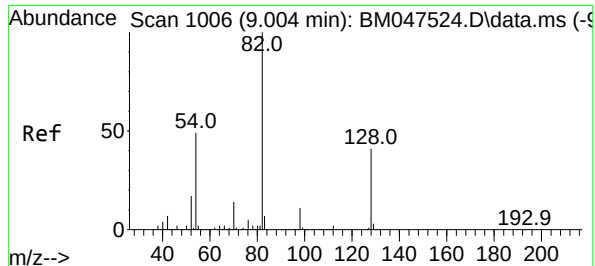
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 1006

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Tgt Ion: 82 Resp: 305425

Ion Ratio Lower Upper

82 100

128 43.0 33.0 49.4

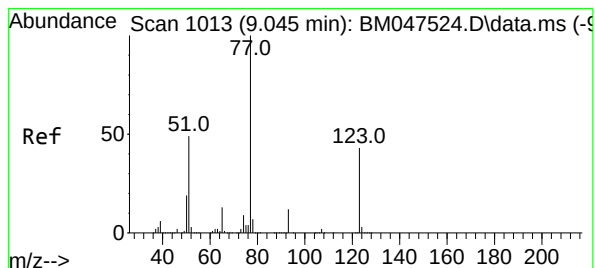
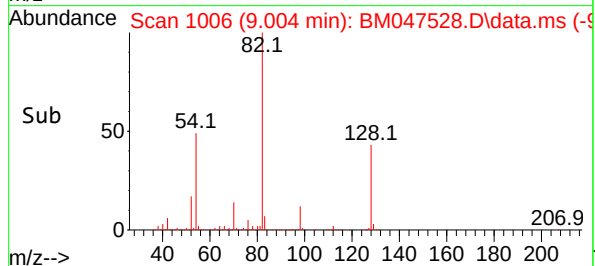
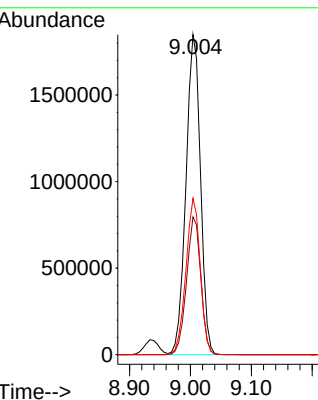
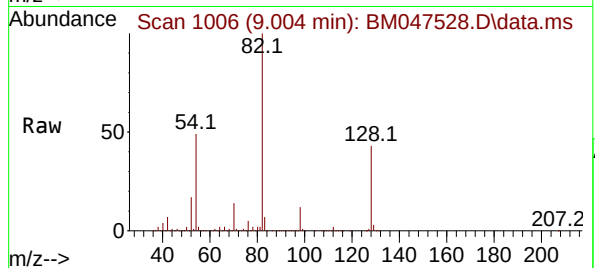
54 48.8 39.3 58.9

Manual Integrations

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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

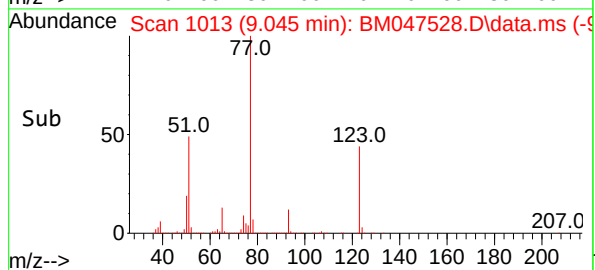
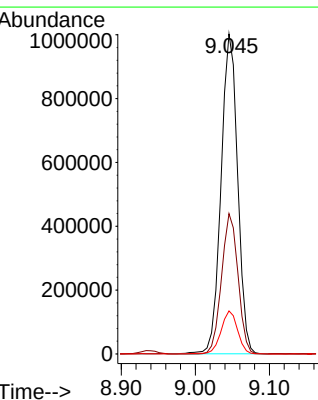
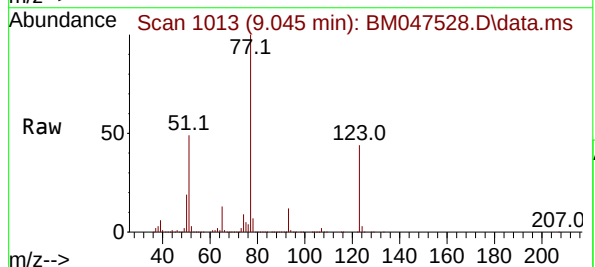
Tgt Ion: 77 Resp: 1557585

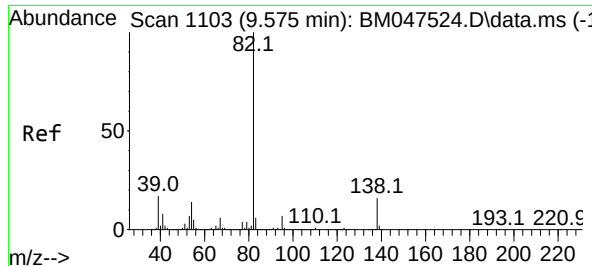
Ion Ratio Lower Upper

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# 1103

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Tgt Ion: 82 Resp: 274300

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.0

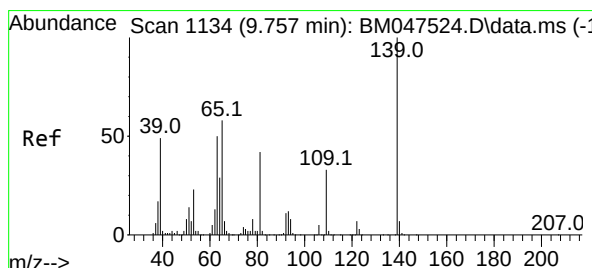
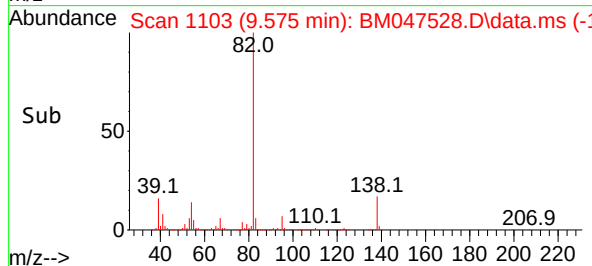
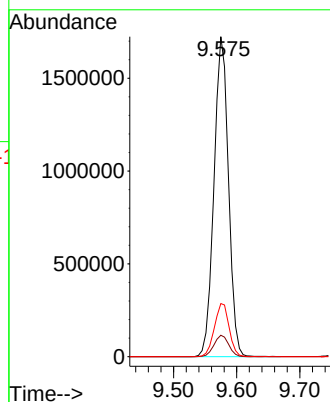
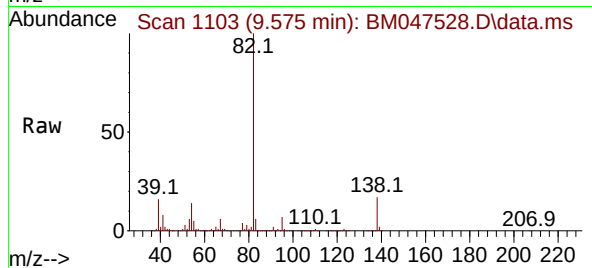
138 16.6 12.9 19.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

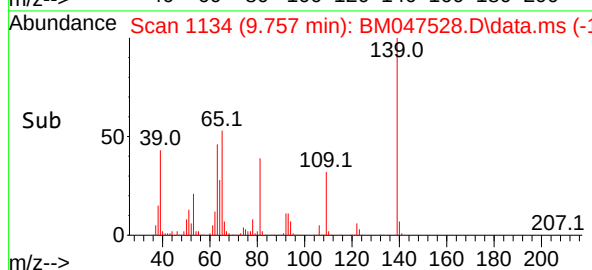
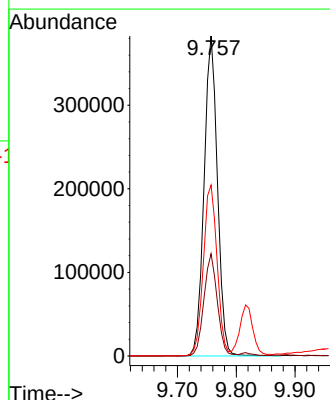
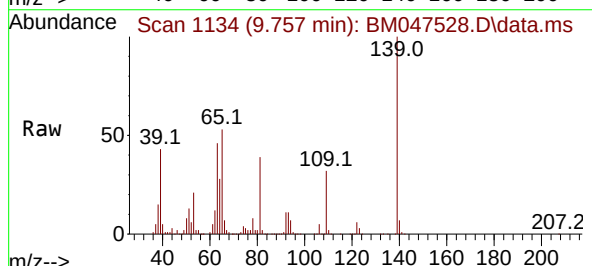
Tgt Ion:139 Resp: 606239

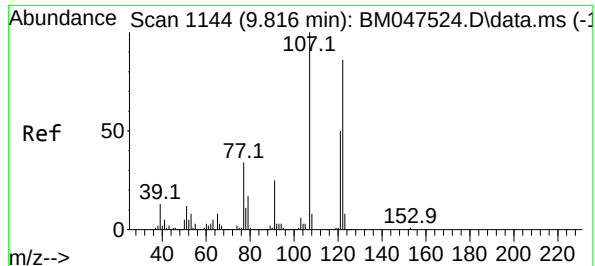
Ion Ratio Lower Upper

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# 1144

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Tgt Ion:122 Resp: 827489

Ion Ratio Lower Upper

122 100

107 114.1 92.4 138.6

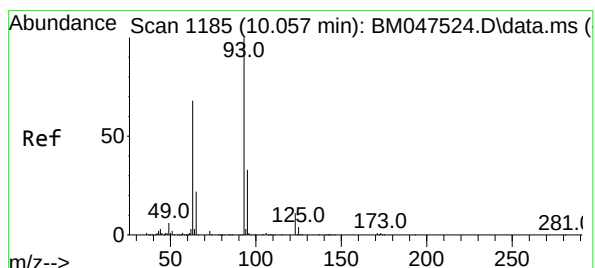
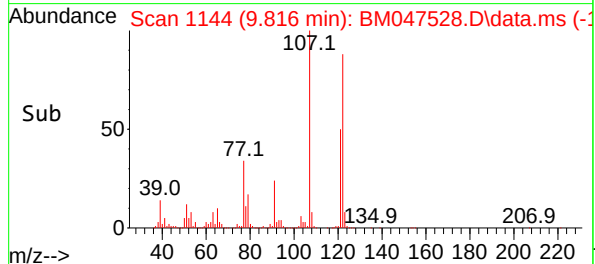
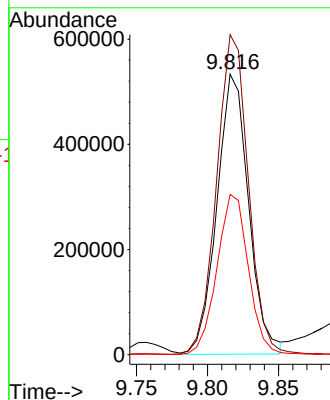
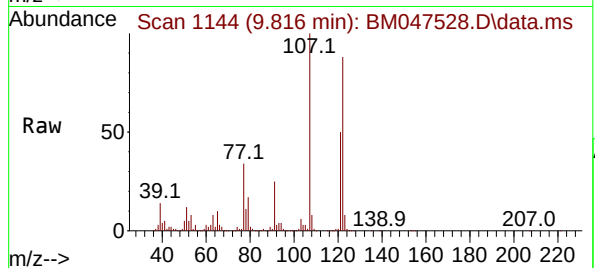
121 57.2 46.2 69.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#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

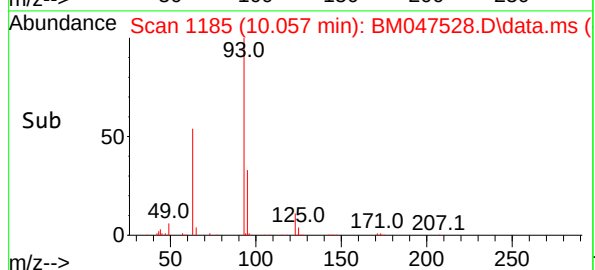
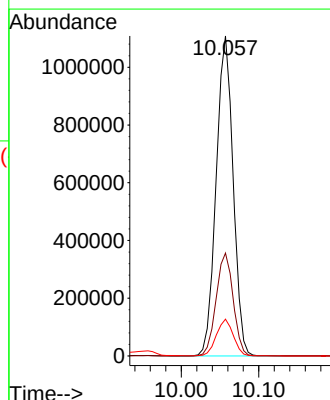
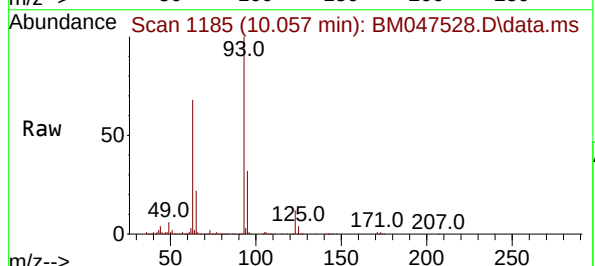
Tgt Ion: 93 Resp: 1684233

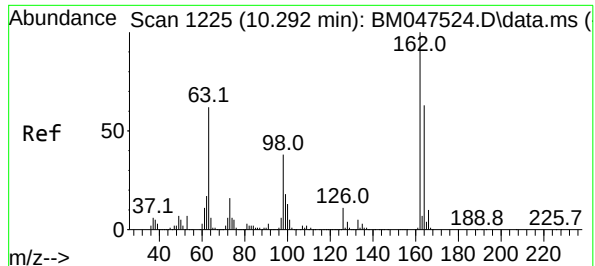
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.2

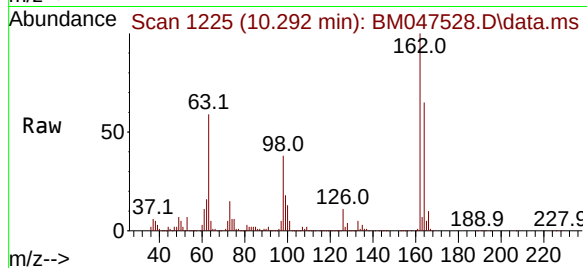
123 11.5 9.2 13.8





#29
2,4-Dichlorophenol
Concen: 41.509 ng
RT: 10.292 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

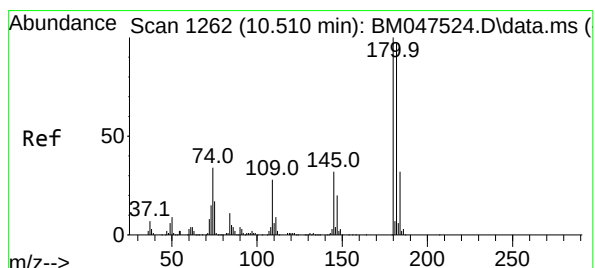
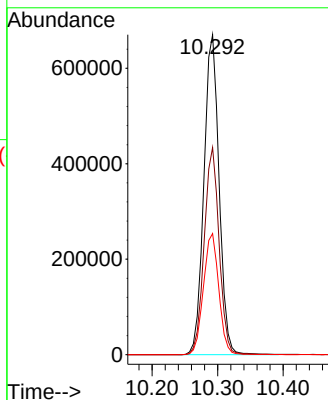
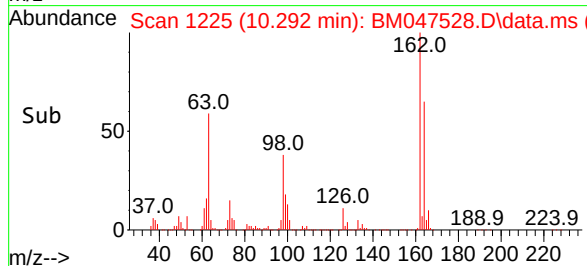
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:162 Resp: 1082009
Ion Ratio Lower Upper
162 100
164 64.7 43.5 83.5
98 37.8 17.6 57.6

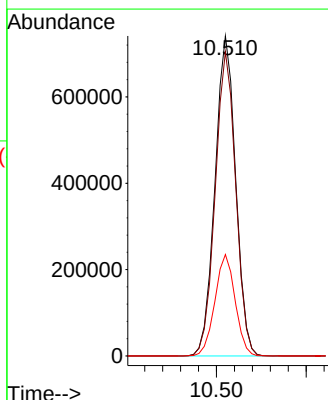
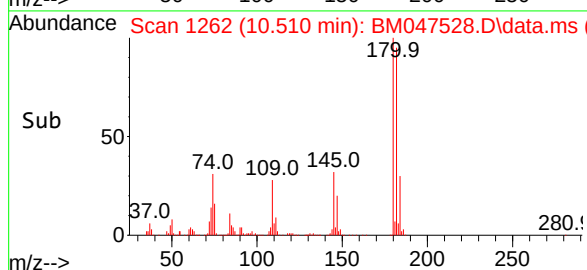
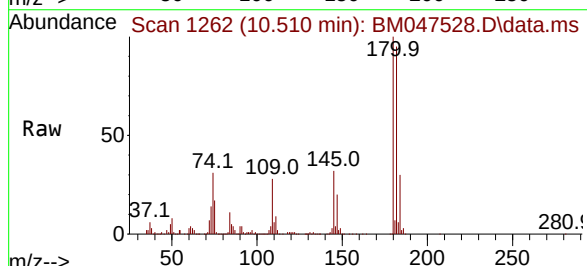
Manual Integrations
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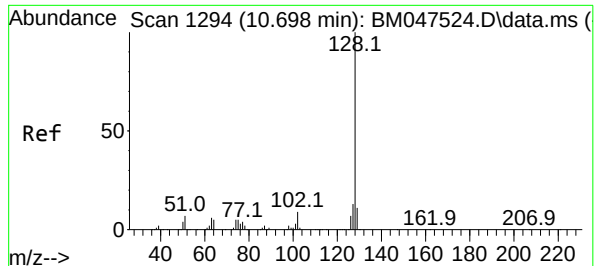
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

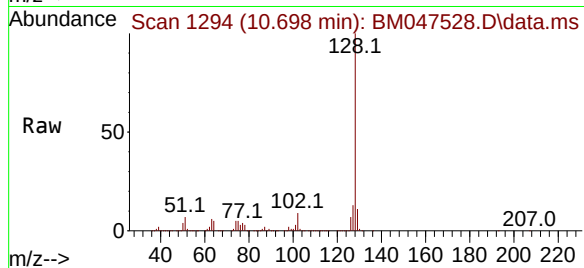
Tgt Ion:180 Resp: 1183219
Ion Ratio Lower Upper
180 100
182 95.0 77.6 116.4
145 31.7 25.4 38.0





#31
Naphthalene
Concen: 39.330 ng
RT: 10.698 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

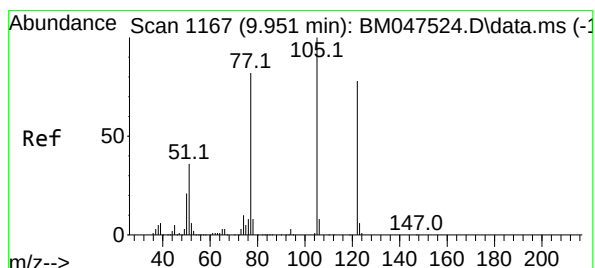
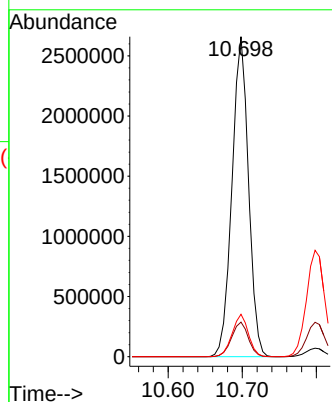
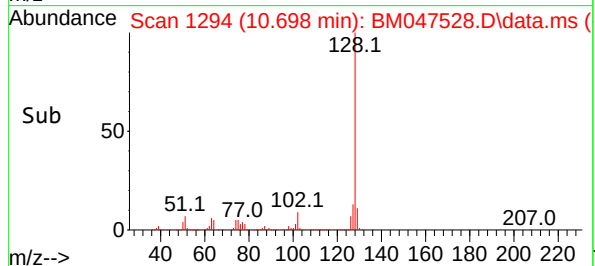
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:128 Resp: 4109028
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.3 10.5 15.7

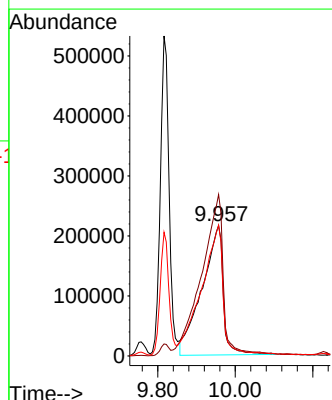
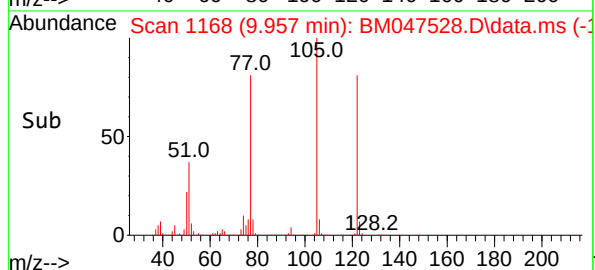
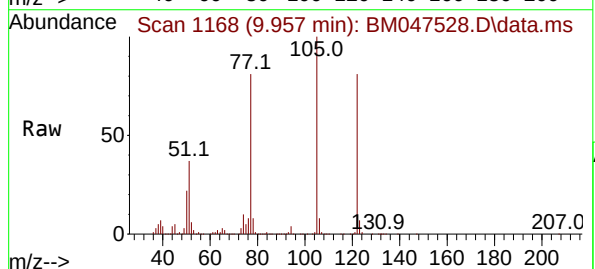
Manual Integrations
APPROVED

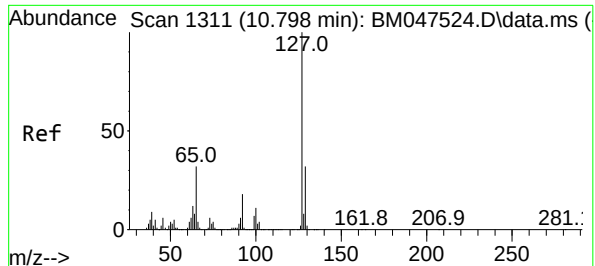
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

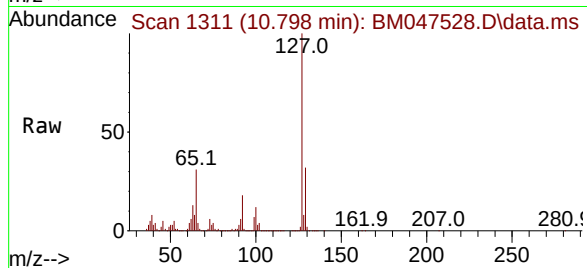
Tgt Ion:122 Resp: 819547
Ion Ratio Lower Upper
122 100
105 124.0 104.7 144.7
77 100.5 83.4 123.4





#33
4-Chloroaniline
Concen: 40.157 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

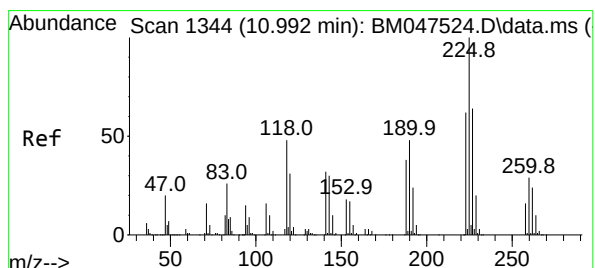
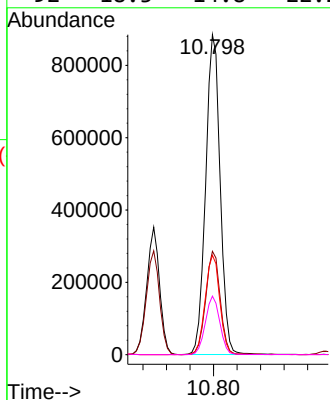
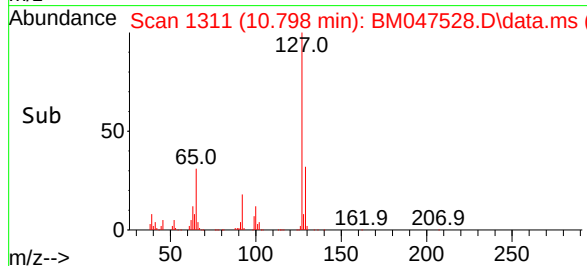
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:127 Resp: 1516874
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

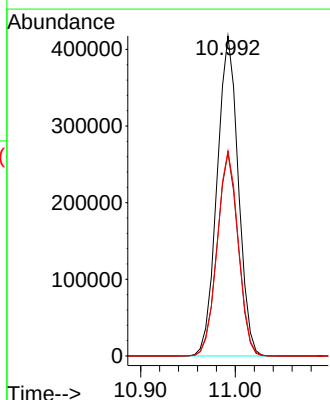
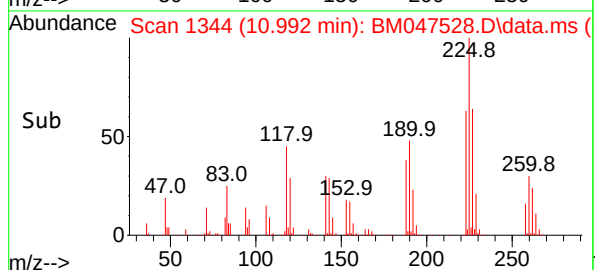
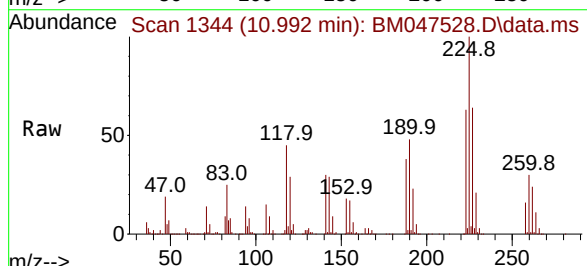
Manual Integrations
APPROVED

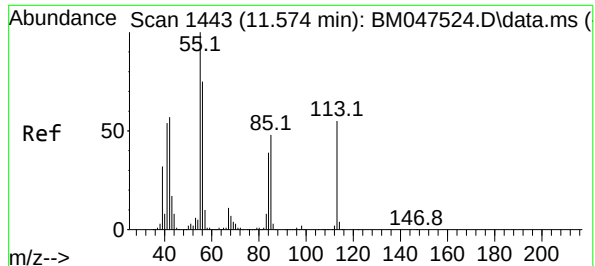
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

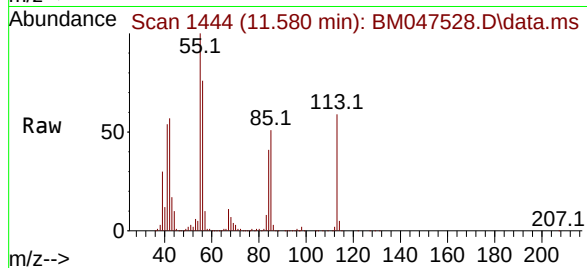
Tgt Ion:225 Resp: 650005
Ion Ratio Lower Upper
225 100
223 63.4 49.8 74.6
227 64.1 51.0 76.4





#35
Caprolactam
Concen: 44.462 ng
RT: 11.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

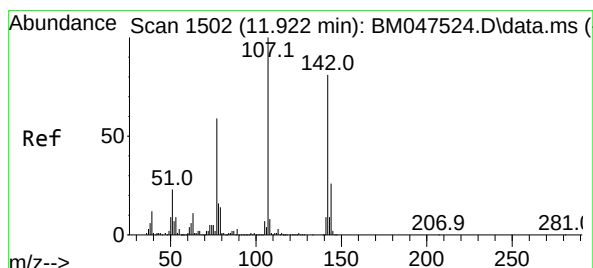
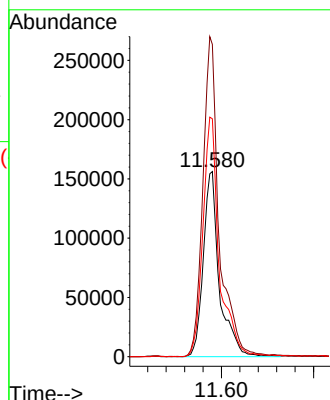
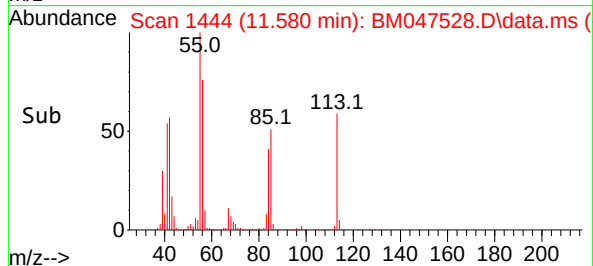
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:113 Resp: 381738
Ion Ratio Lower Upper
113 100
55 168.7 162.5 202.5
56 128.5 116.5 156.5

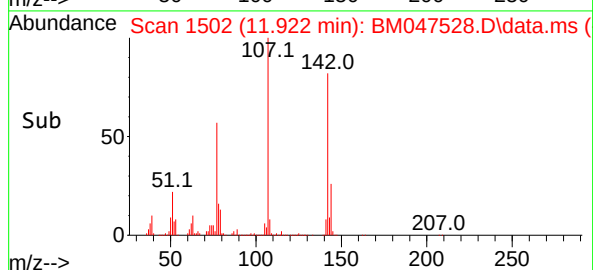
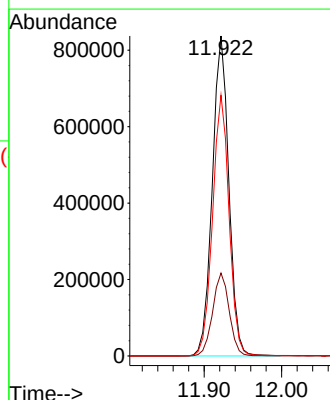
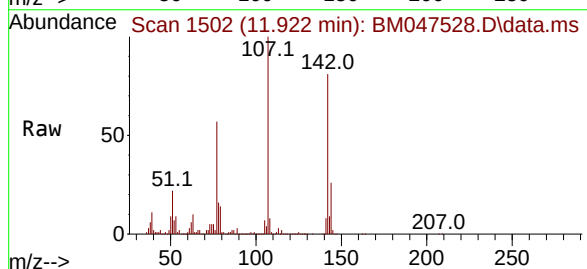
Manual Integrations
APPROVED

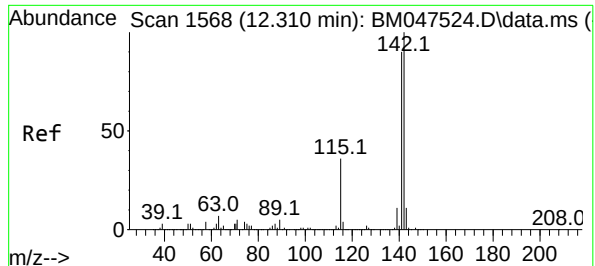
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

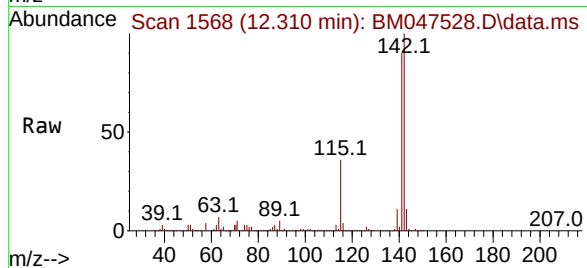
Tgt Ion:107 Resp: 1239823
Ion Ratio Lower Upper
107 100
144 25.9 20.5 30.7
142 81.5 65.0 97.4





#37
2-Methylnaphthalene
Concen: 40.287 ng
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

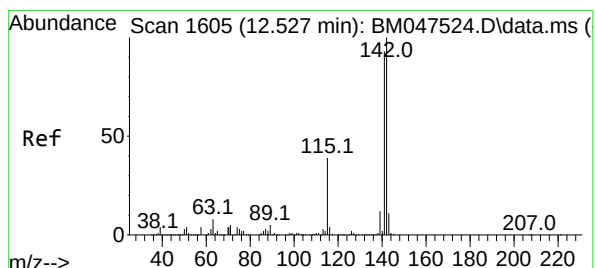
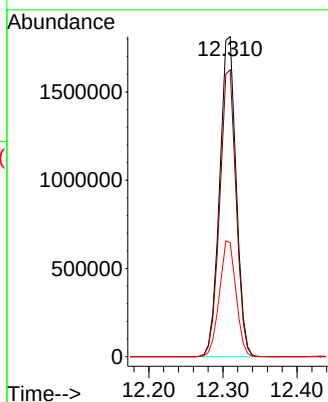
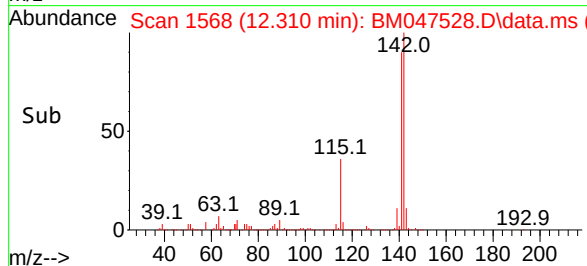
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:142 Resp: 2801320
Ion Ratio Lower Upper
142 100
141 89.7 72.2 108.4
115 35.7 29.1 43.7

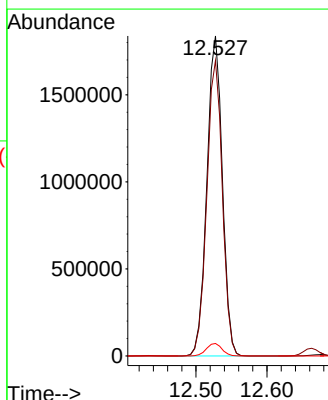
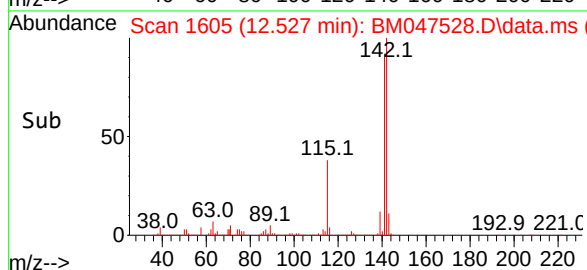
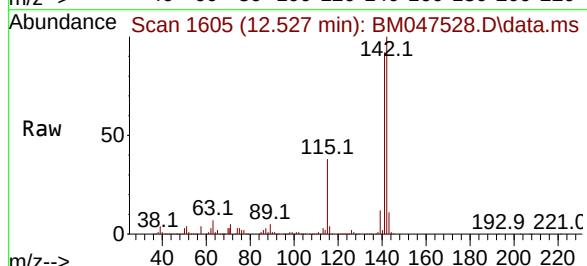
Manual Integrations
APPROVED

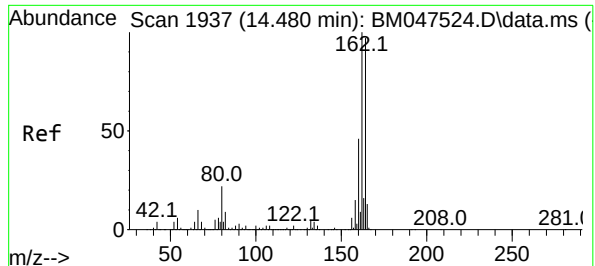
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

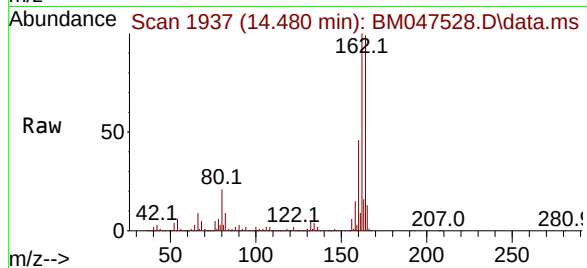
Tgt Ion:142 Resp: 2789337
Ion Ratio Lower Upper
142 100
141 92.4 74.7 112.1
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

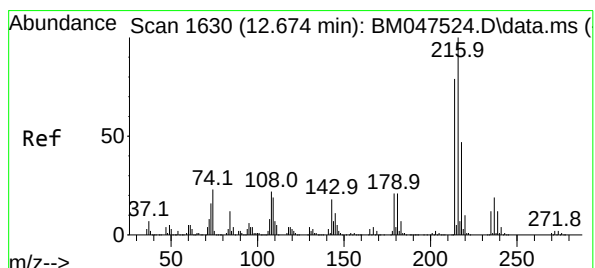
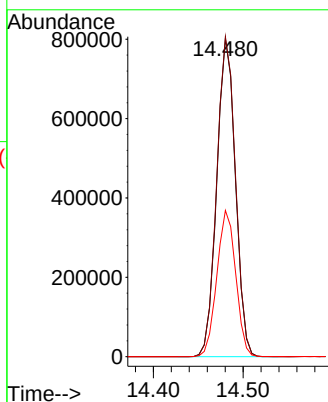
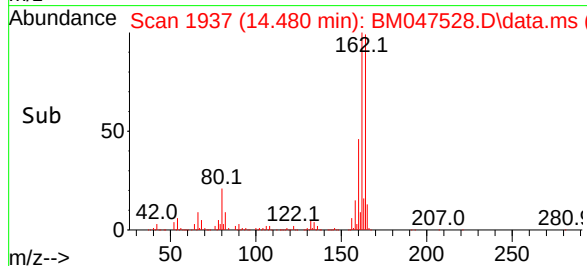
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:164 Resp: 1155790
Ion Ratio Lower Upper
164 100
162 100.6 82.2 123.2
160 46.0 38.2 57.2

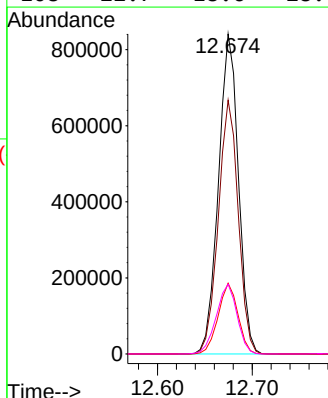
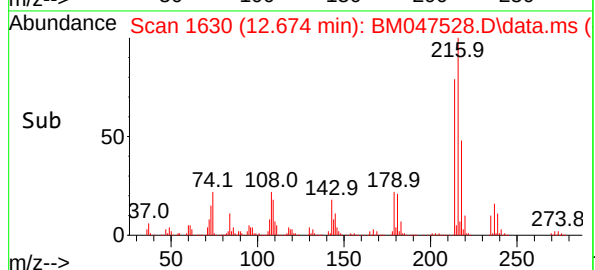
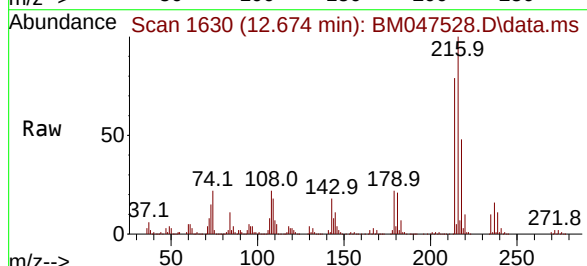
Manual Integrations
APPROVED

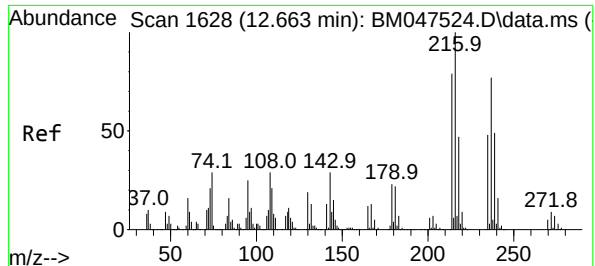
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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





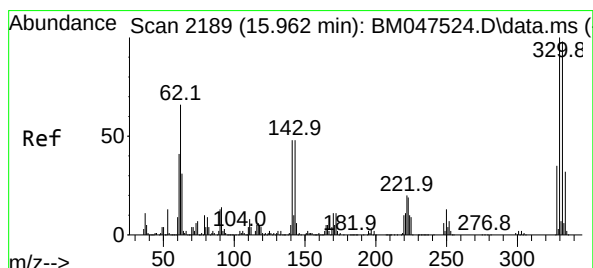
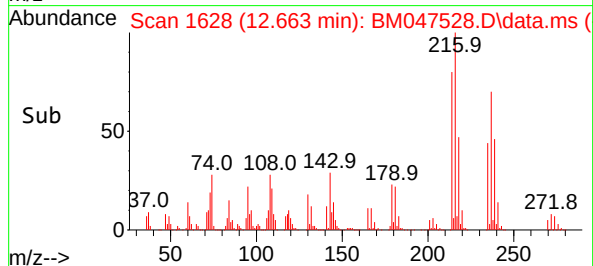
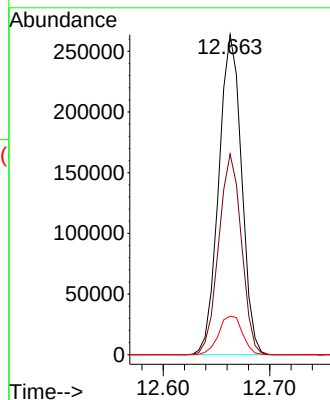
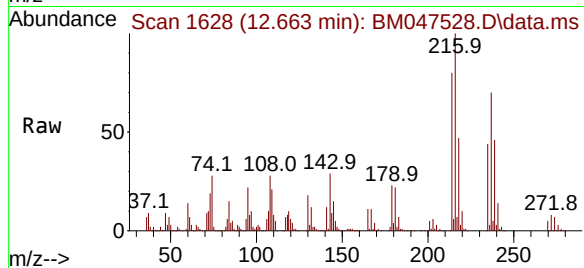
#41
Hexachlorocyclopentadiene
Concen: 38.330 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Tgt Ion:237 Resp: 391885
Ion Ratio Lower Upper
237 100
235 62.7 42.0 82.0
272 12.0 0.0 31.5

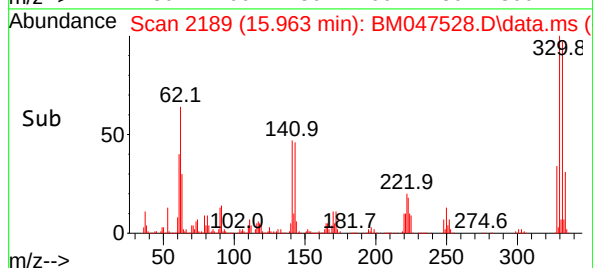
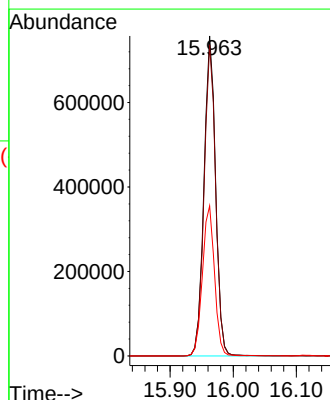
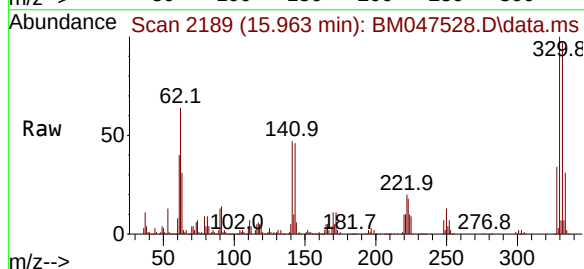
Manual Integrations
APPROVED

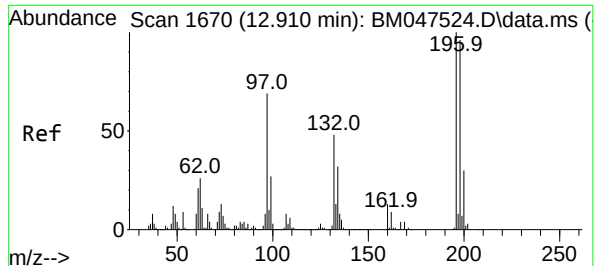
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

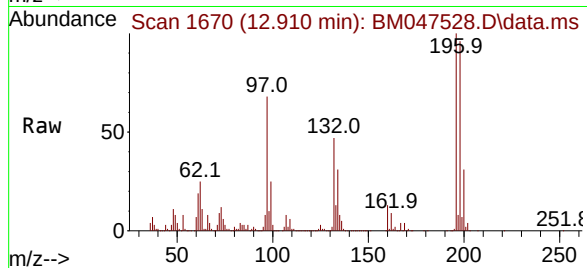
Tgt Ion:330 Resp: 968206
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 48.9 42.2 63.2





#43
2,4,6-Trichlorophenol
Concen: 41.805 ng
RT: 12.910 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

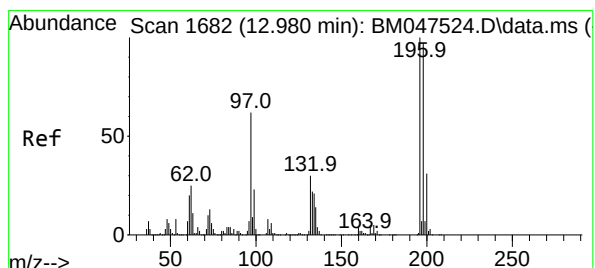
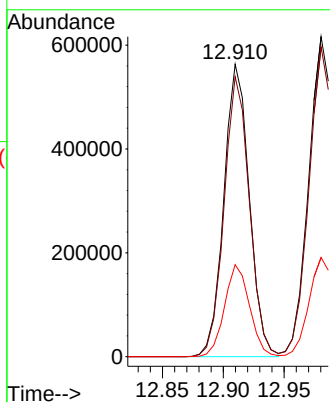
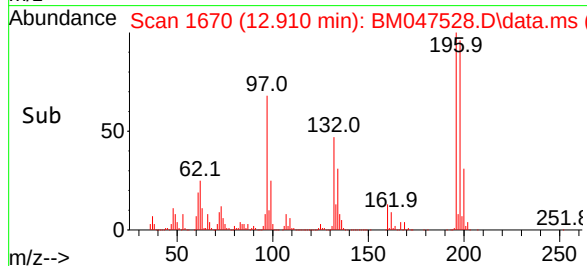
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



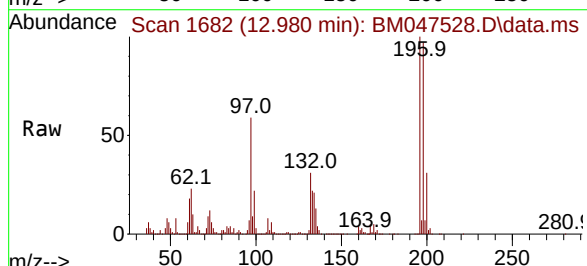
Tgt Ion:196 Resp: 81911
Ion Ratio Lower Upper
196 100
198 95.7 76.9 115.3
200 31.5 24.3 36.5

Manual Integrations
APPROVED

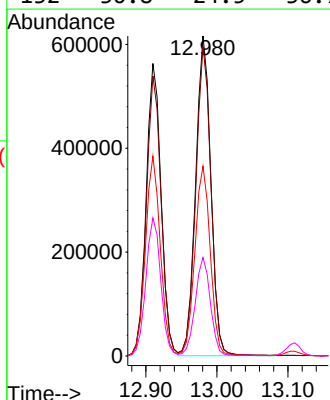
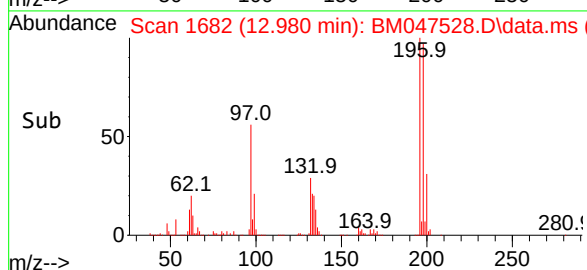
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

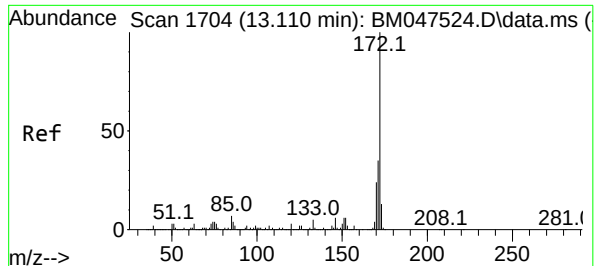


#44
2,4,5-Trichlorophenol
Concen: 41.595 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53



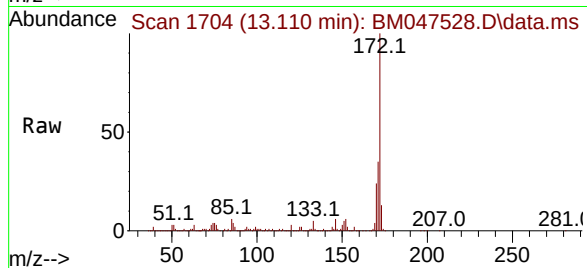
Tgt Ion:196 Resp: 920532
Ion Ratio Lower Upper
196 100
198 96.8 77.4 116.2
97 59.3 49.8 74.8
132 30.8 24.5 36.7





#45
2-Fluorobiphenyl
Concen: 80.575 ng
RT: 13.110 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

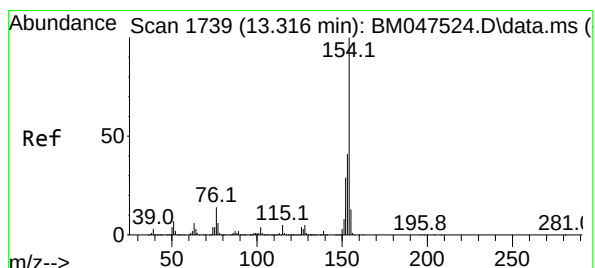
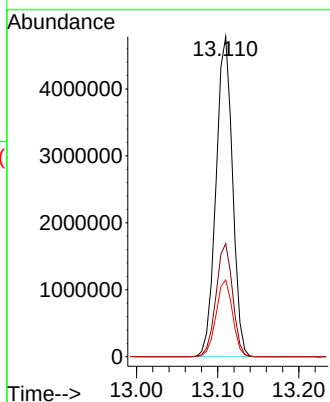
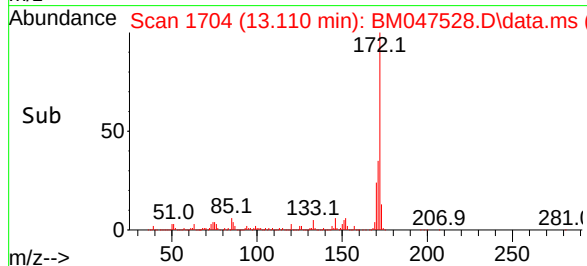
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:172 Resp: 6760498
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 24.0 19.4 29.0

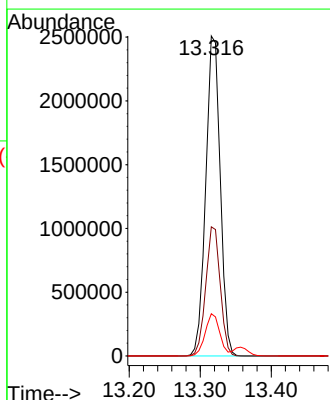
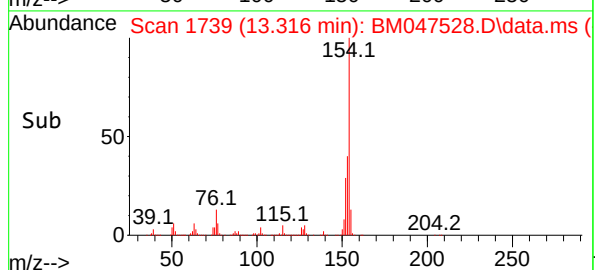
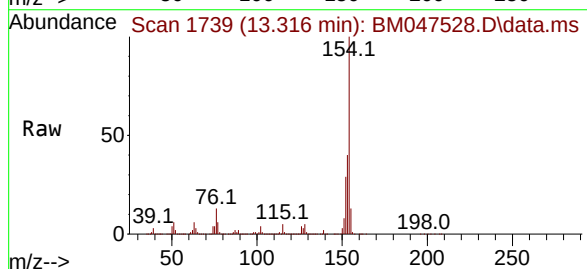
Manual Integrations
APPROVED

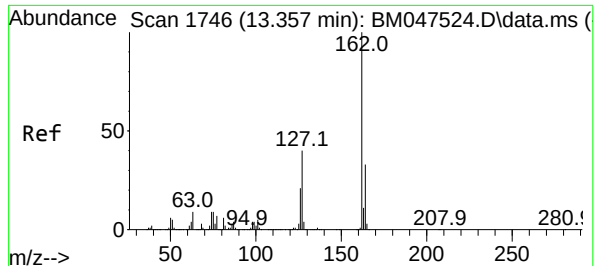
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



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

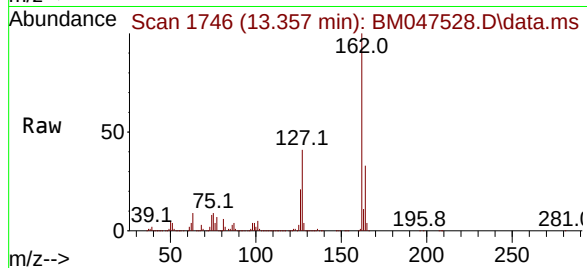
Tgt Ion:154 Resp: 3562522
Ion Ratio Lower Upper
154 100
153 40.3 20.6 60.6
76 13.2 0.0 33.9





#47
2-Chloronaphthalene
Concen: 39.789 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

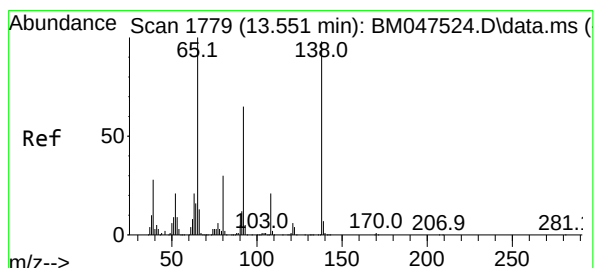
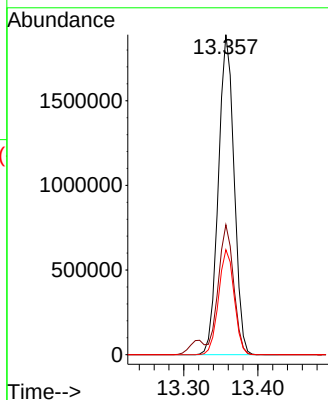
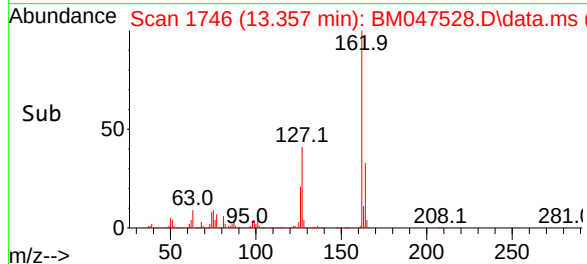
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:162 Resp: 2778294
Ion Ratio Lower Upper
162 100
127 40.6 32.2 48.4
164 32.8 26.3 39.5

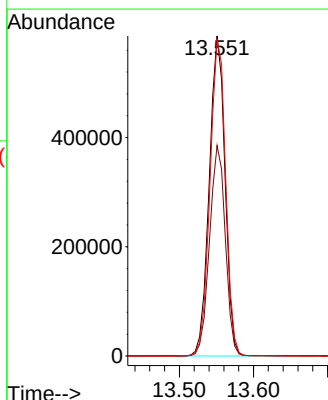
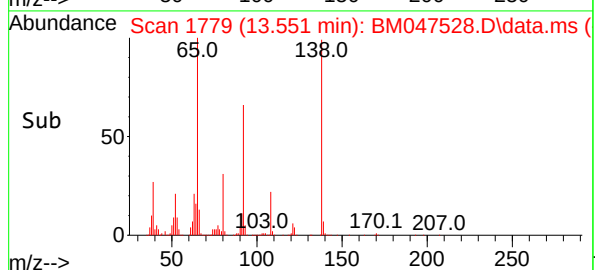
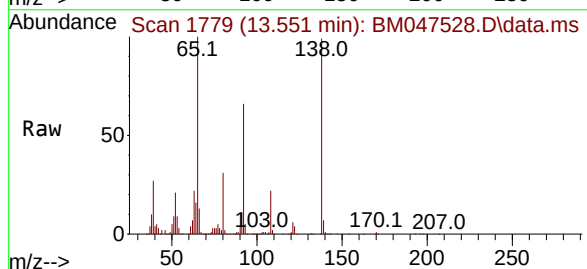
Manual Integrations
APPROVED

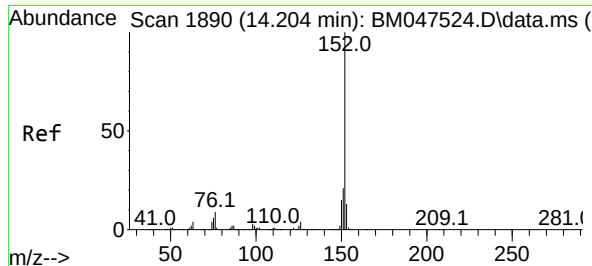
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

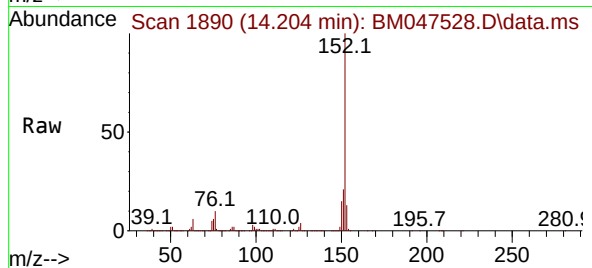
Tgt Ion: 65 Resp: 862825
Ion Ratio Lower Upper
65 100
92 65.8 51.9 77.9
138 98.8 78.5 117.7





#49
Acenaphthylene
Concen: 40.313 ng
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

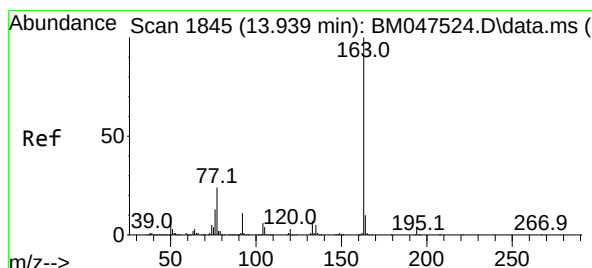
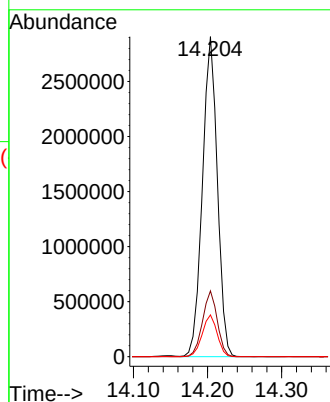
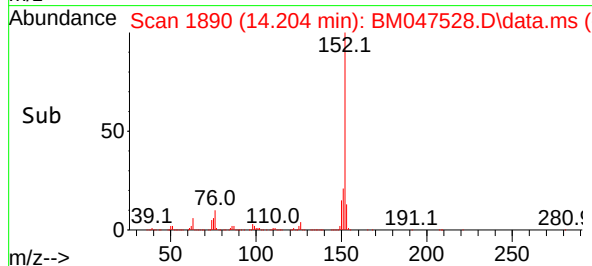
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

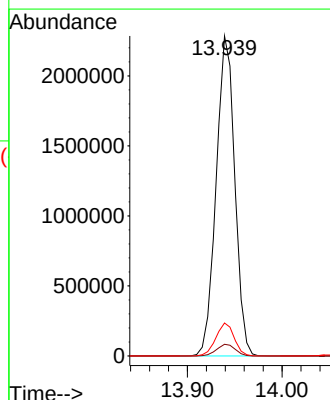
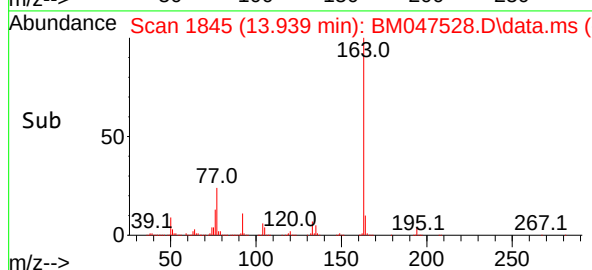
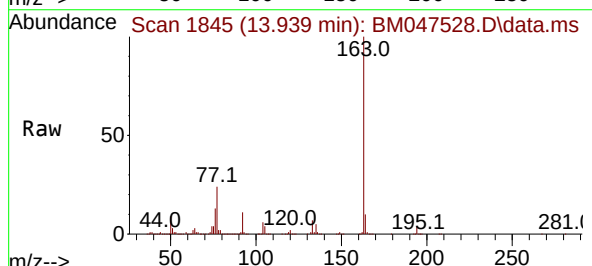
Manual Integrations
APPROVED

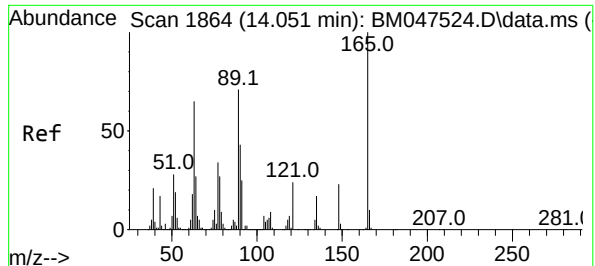
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

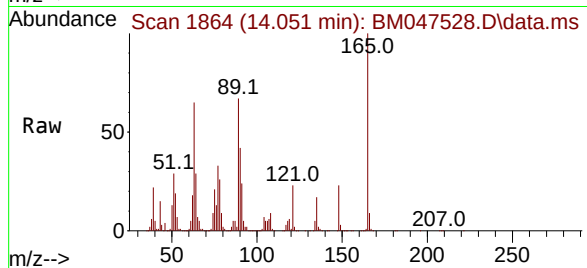
Tgt Ion:163 Resp: 3130077
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.3 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 41.664 ng
RT: 14.051 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

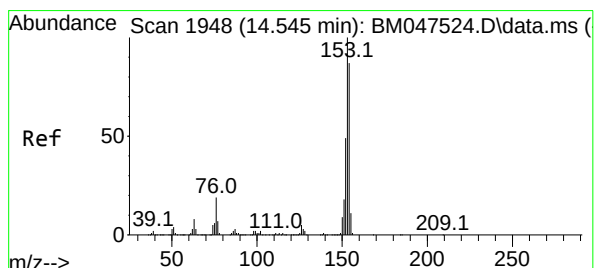
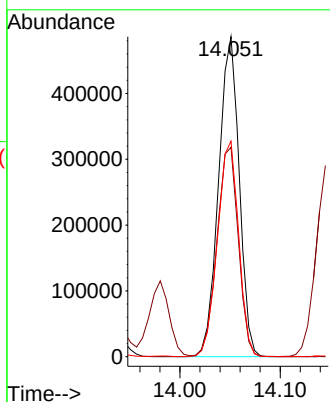
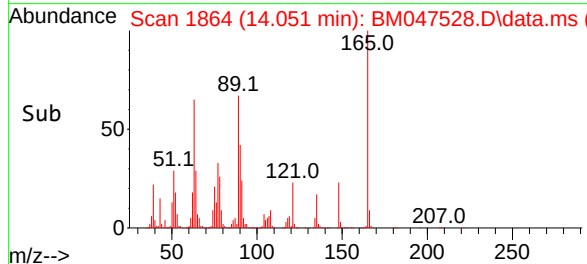
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:165 Resp: 692880
Ion Ratio Lower Upper
165 100
63 65.5 54.2 81.2
89 67.4 56.4 84.6

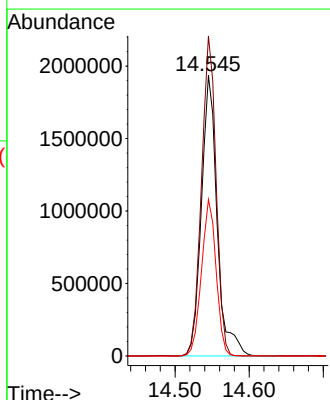
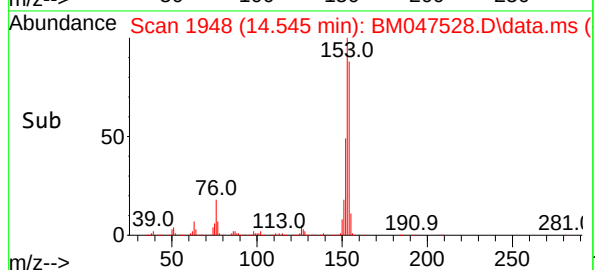
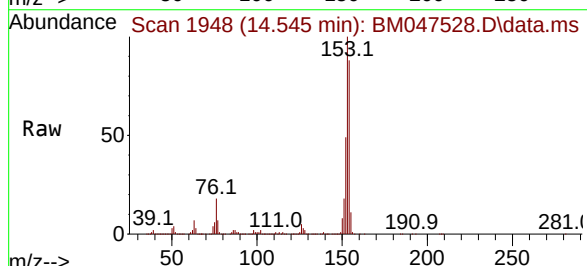
Manual Integrations
APPROVED

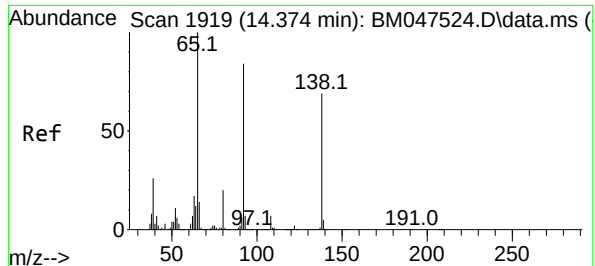
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

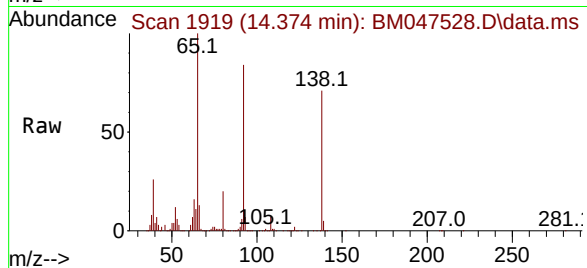
Tgt Ion:154 Resp: 2855304
Ion Ratio Lower Upper
154 100
153 114.1 92.2 138.2
152 55.8 45.4 68.0





#53
3-Nitroaniline
Concen: 42.236 ng
RT: 14.374 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

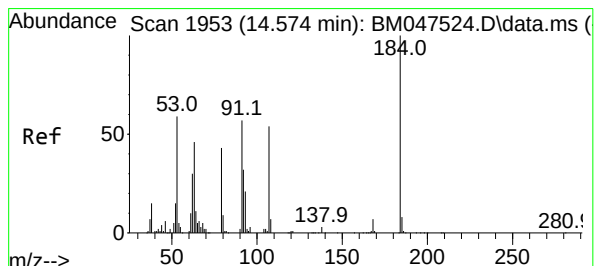
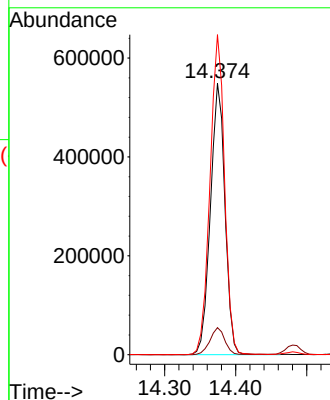
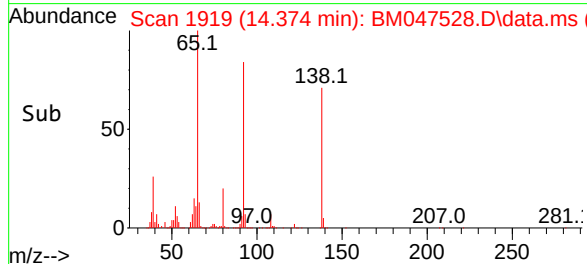
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



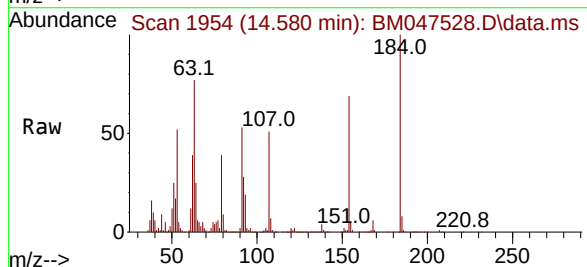
Tgt Ion:138 Resp: 78070
Ion Ratio Lower Upper
138 100
108 10.0 8.0 12.0
92 117.9 97.4 146.0

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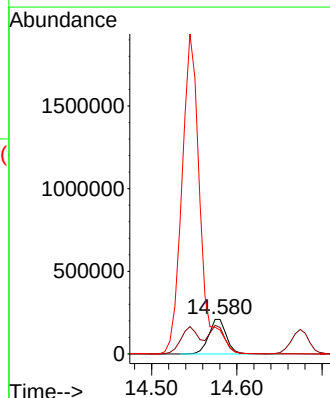
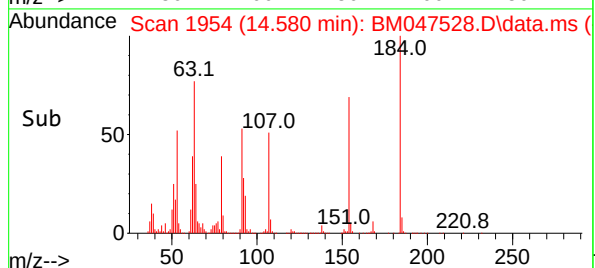
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

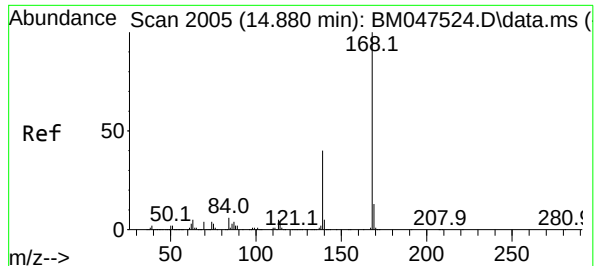


#54
2,4-Dinitrophenol
Concen: 41.320 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53



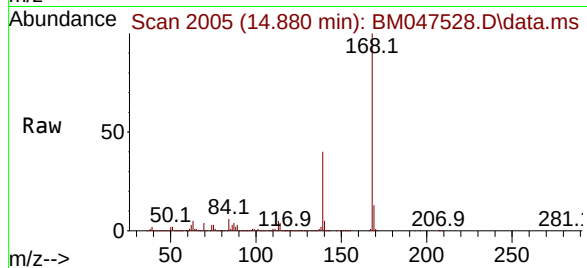
Tgt Ion:184 Resp: 303273
Ion Ratio Lower Upper
184 100
63 76.9 69.4 104.0
154 68.7 60.4 90.6





#55
Dibenzenofuran
Concen: 39.603 ng
RT: 14.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

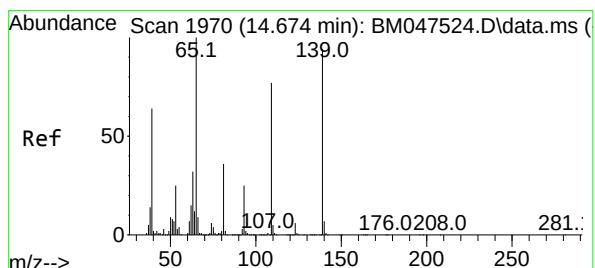
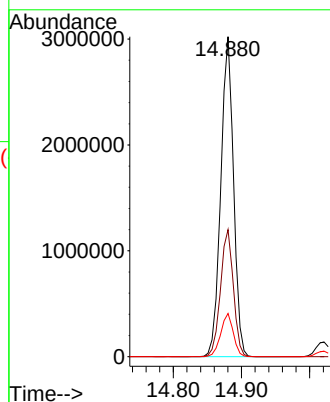
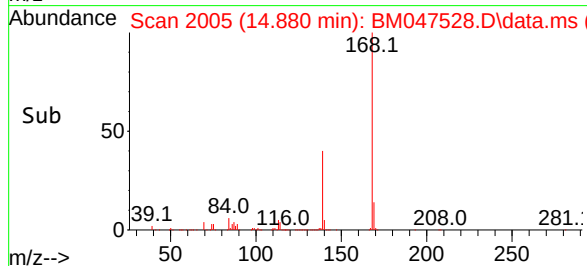
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

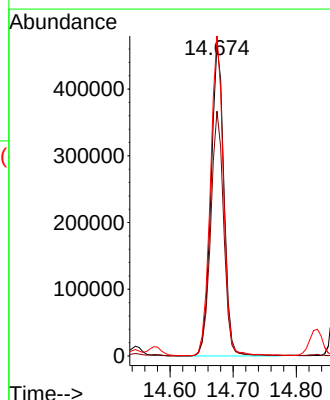
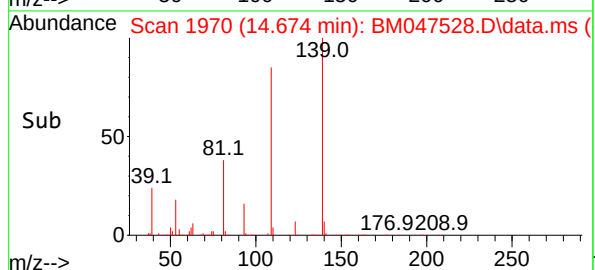
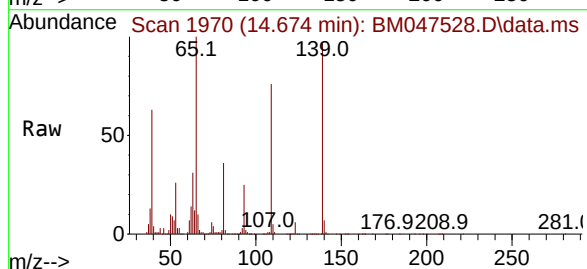
Manual Integrations
APPROVED

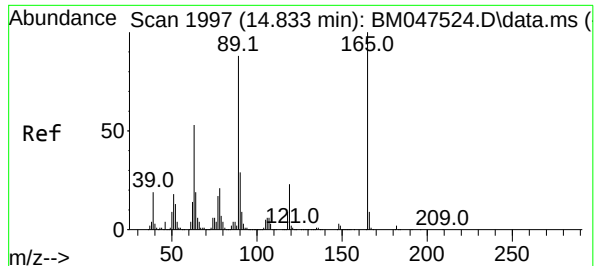
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

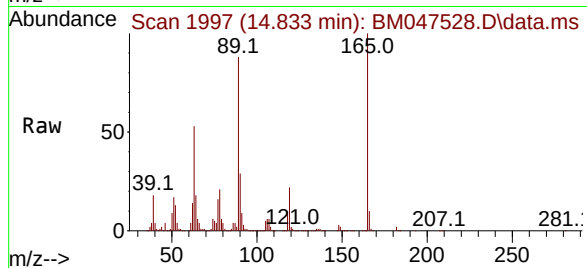
Tgt Ion:139 Resp: 666432
Ion Ratio Lower Upper
139 100
109 78.6 62.0 102.0
65 102.7 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 42.569 ng
RT: 14.833 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

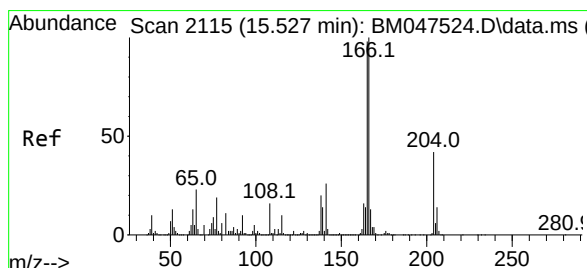
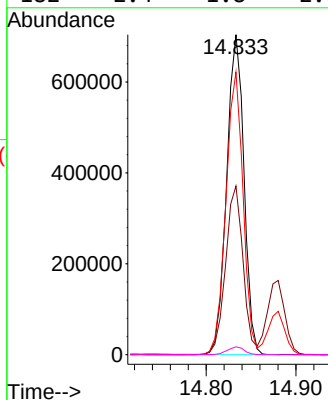
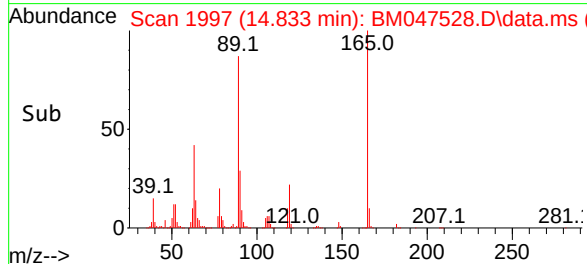
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

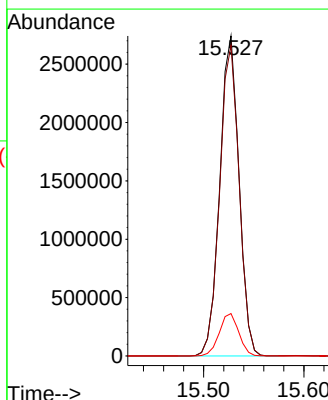
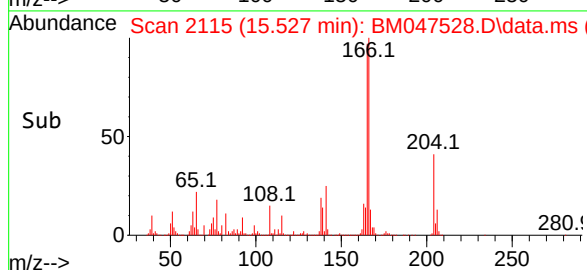
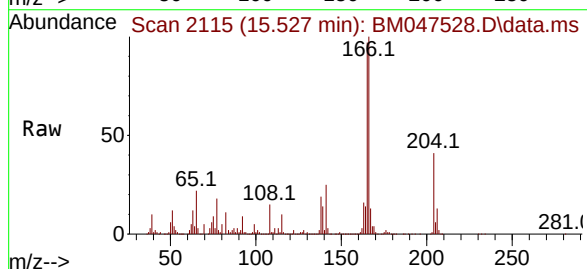
Manual Integrations
APPROVED

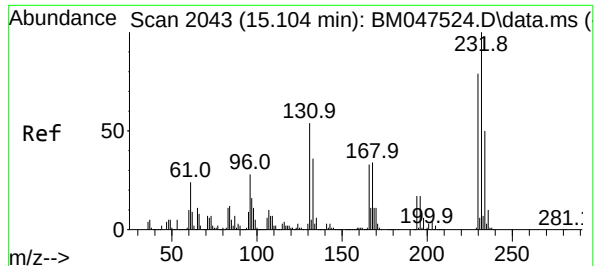
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

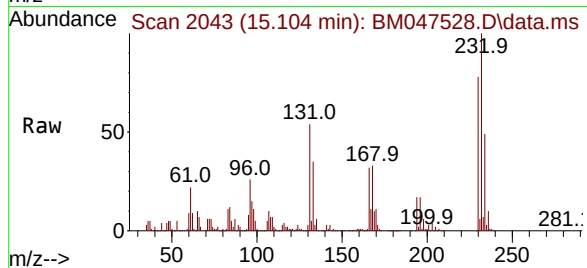
Tgt Ion:166 Resp: 3652975
Ion Ratio Lower Upper
166 100
165 97.1 78.6 117.8
167 13.2 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.395 ng
RT: 15.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

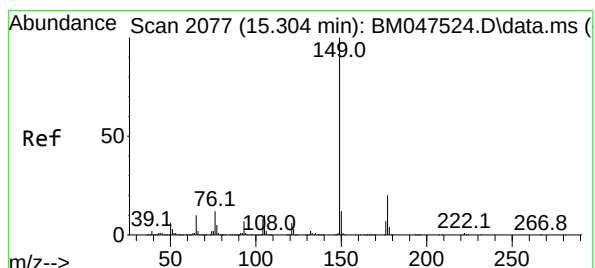
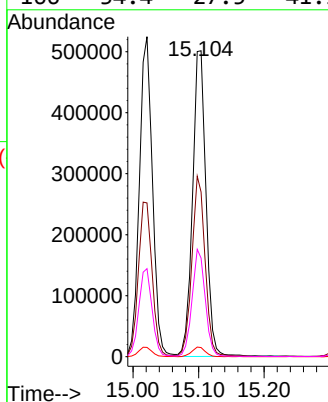
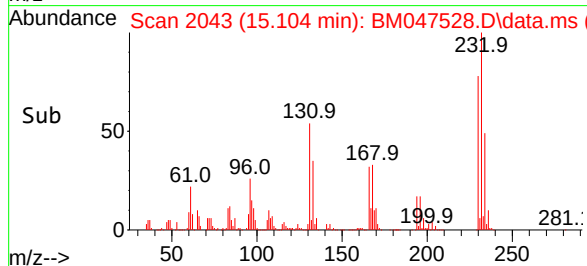
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:232 Resp: 714250
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

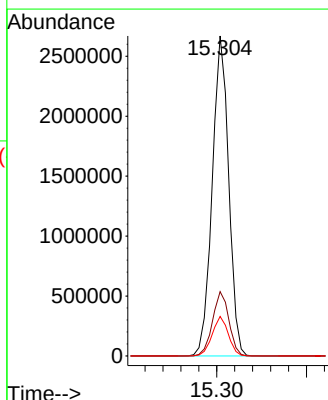
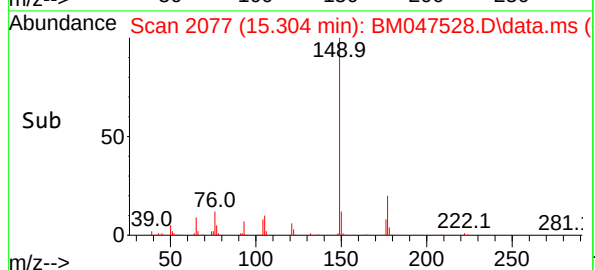
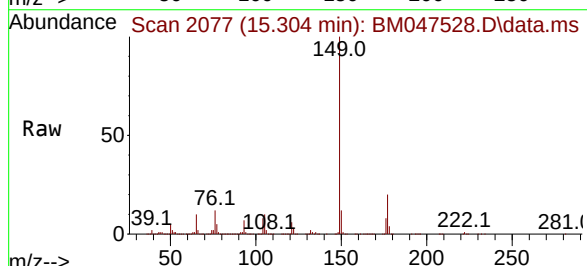
Manual Integrations
APPROVED

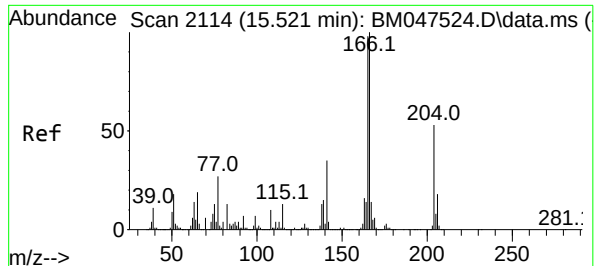
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

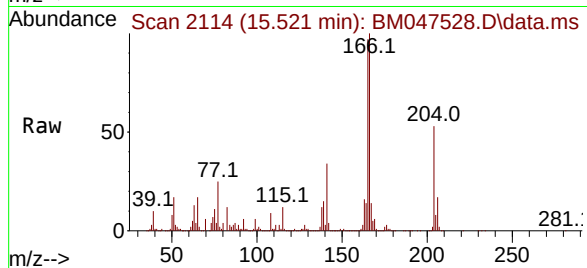
Tgt Ion:149 Resp: 3394013
Ion Ratio Lower Upper
149 100
177 20.1 15.8 23.8
150 12.3 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 40.407 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

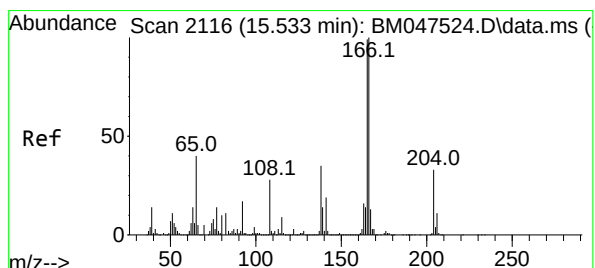
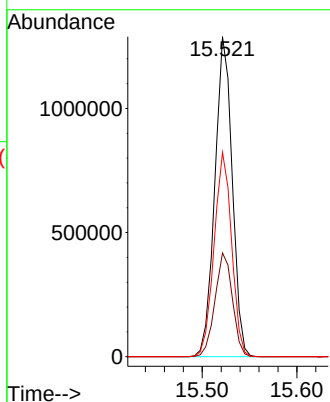
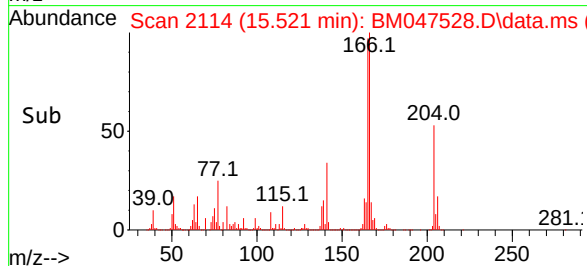
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

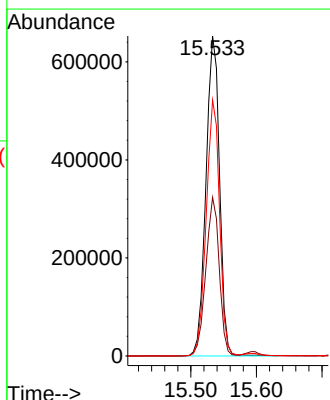
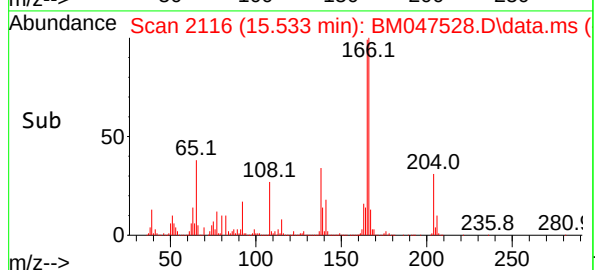
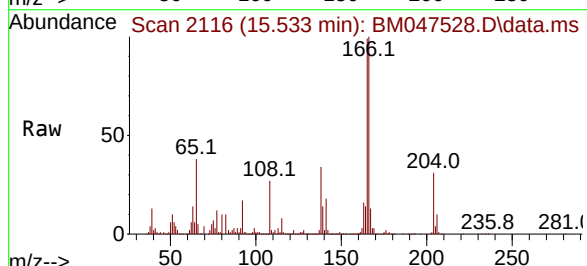
Manual Integrations
APPROVED

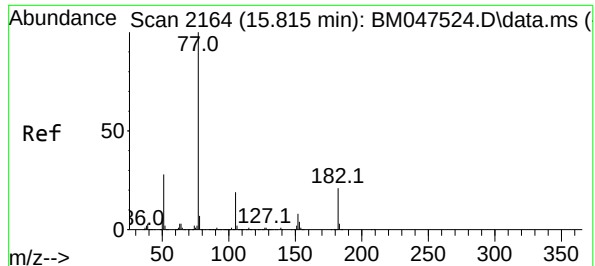
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

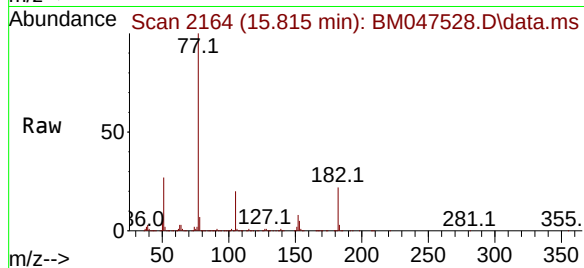
Tgt Ion:138 Resp: 943457
Ion Ratio Lower Upper
138 100
92 49.6 30.0 70.0
108 80.0 61.7 101.7





#63
Azobenzene
Concen: 39.412 ng
RT: 15.815 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

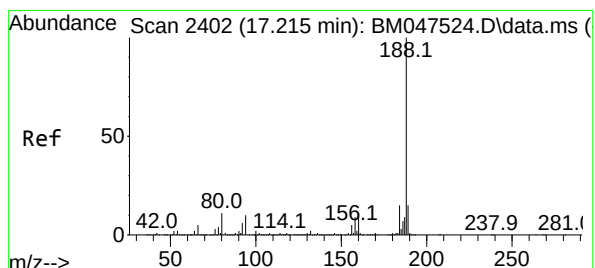
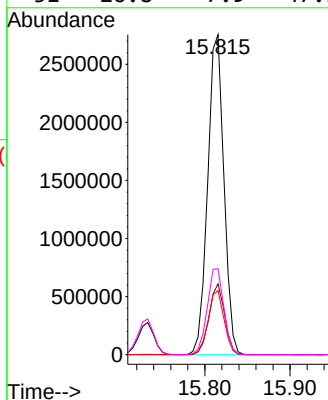
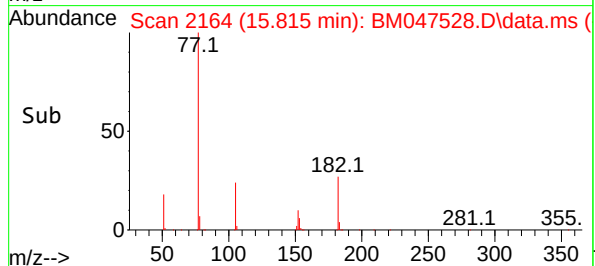
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion: 77 Resp: 3638400
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

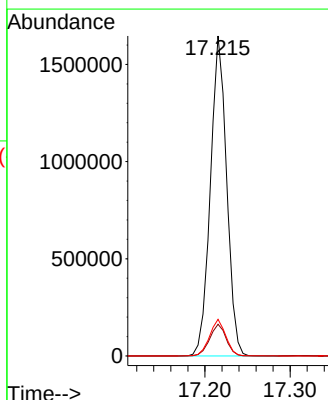
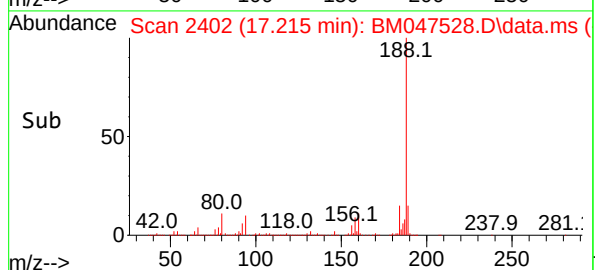
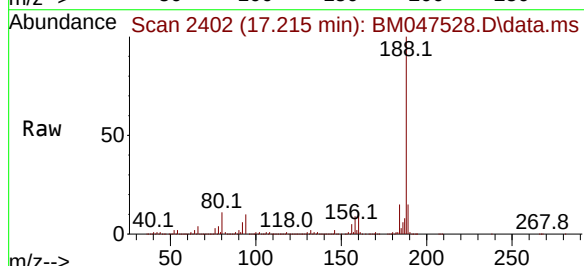
Manual Integrations
APPROVED

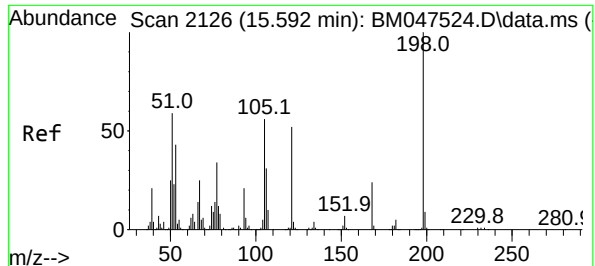
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

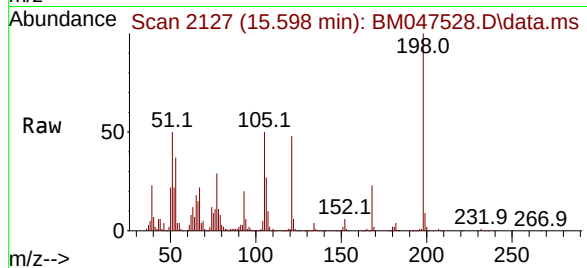
Tgt Ion:188 Resp: 2184120
Ion Ratio Lower Upper
188 100
94 9.9 8.4 12.6
80 11.4 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 39.815 ng
RT: 15.598 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

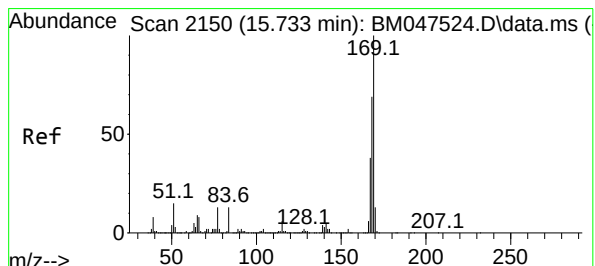
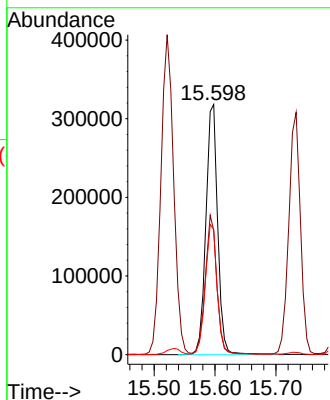
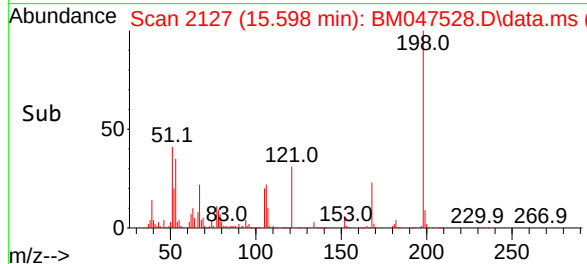
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

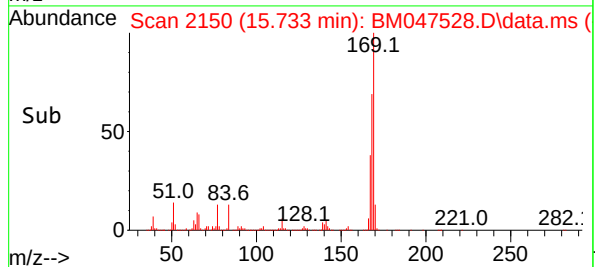
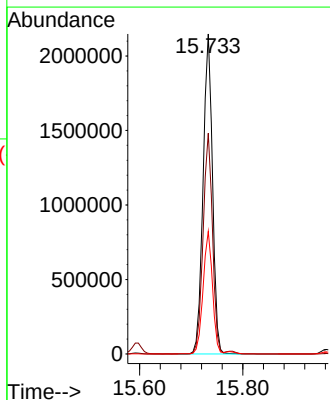
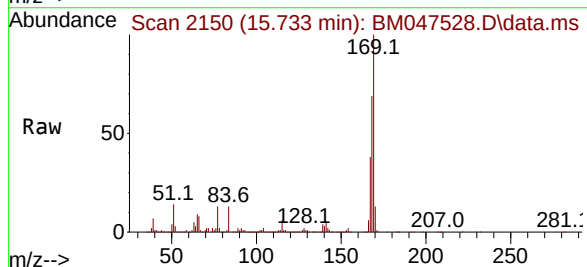
Manual Integrations
APPROVED

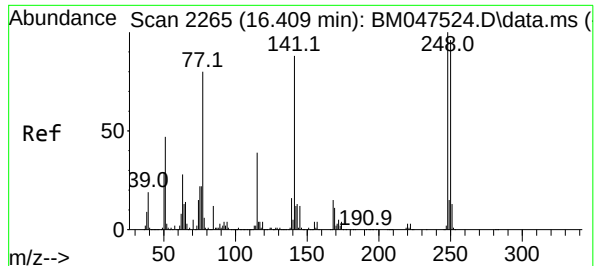
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

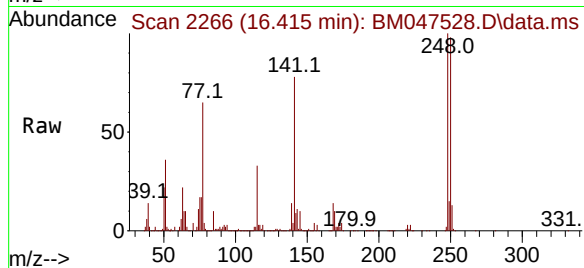
Tgt Ion:169 Resp: 2709417
Ion Ratio Lower Upper
169 100
168 69.0 55.3 82.9
167 38.3 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 40.870 ng
RT: 16.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

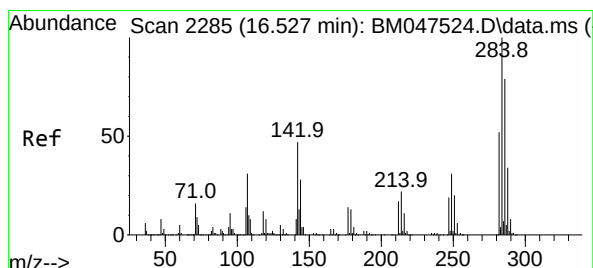
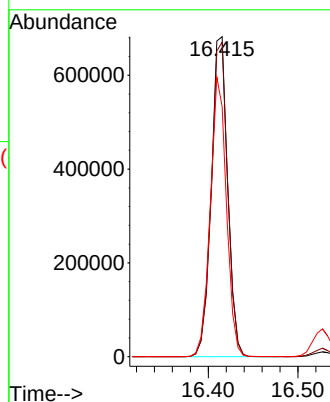
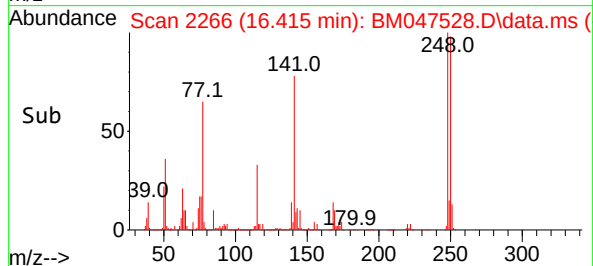
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

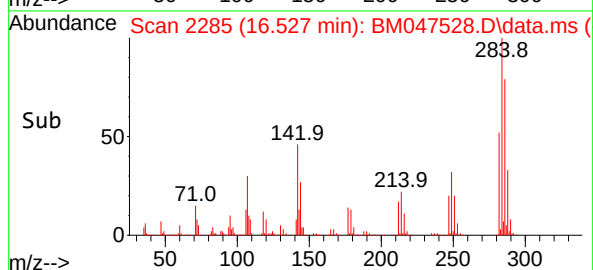
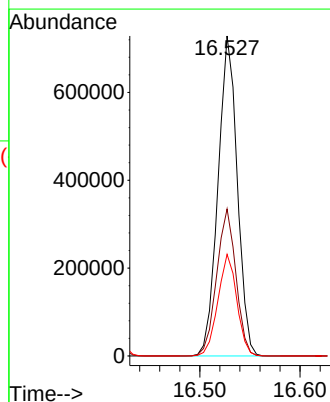
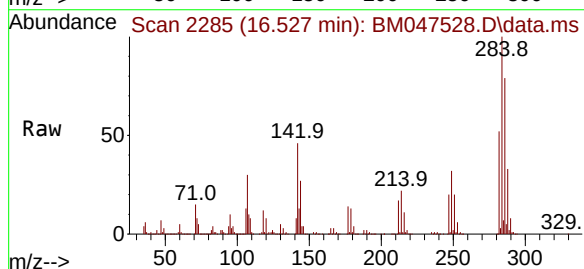
Manual Integrations
APPROVED

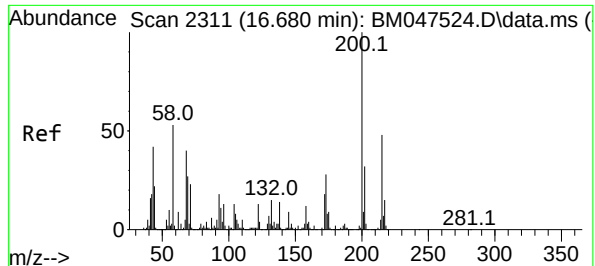
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

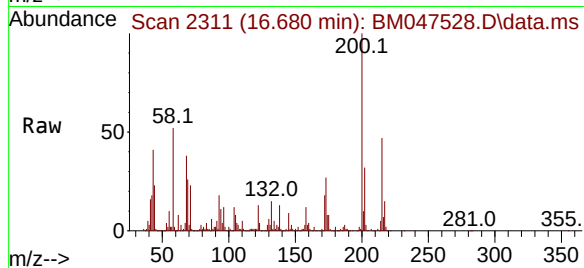
Tgt Ion:284 Resp: 970735
Ion Ratio Lower Upper
284 100
142 45.9 37.3 55.9
249 31.8 24.5 36.7





#69
 Atrazine
 Concen: 41.735 ng
 RT: 16.680 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: BM047528.D
 Acq: 14 Sep 2024 17:53

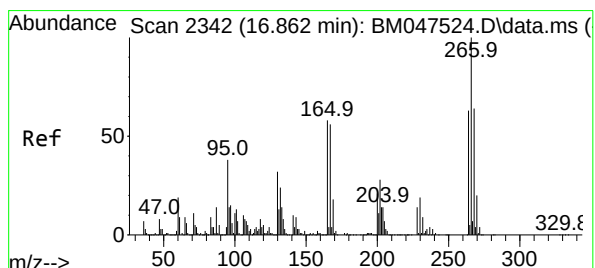
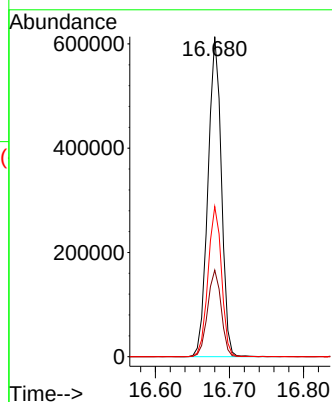
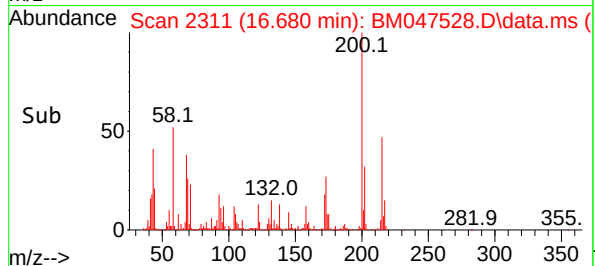
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM091424



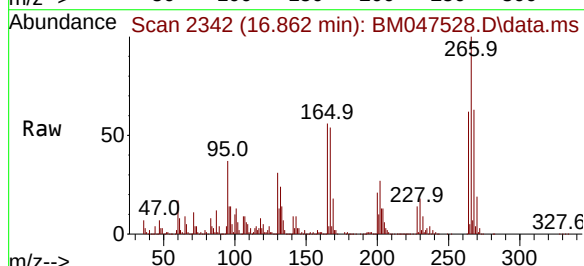
Tgt Ion:200 Resp: 770740
 Ion Ratio Lower Upper
 200 100
 173 27.1 7.7 47.7
 215 46.9 27.9 67.9

Manual Integrations
 APPROVED

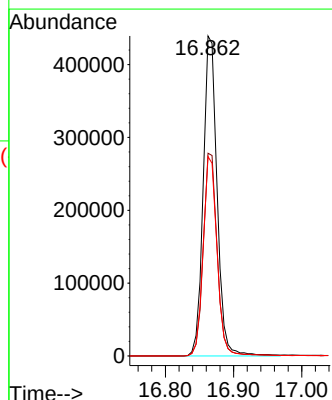
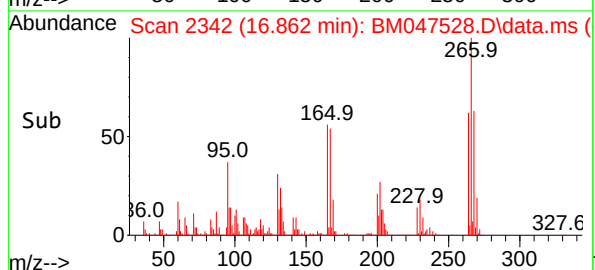
Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :mohammad ahmed 09/17/2024

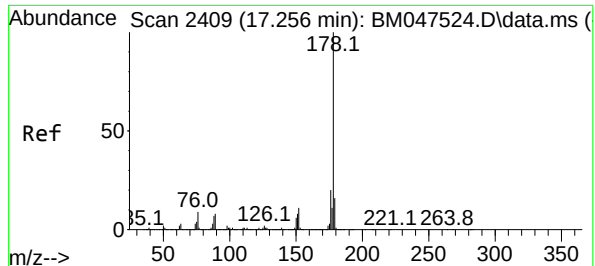


#70
 Pentachlorophenol
 Concen: 44.695 ng
 RT: 16.862 min Scan# 2342
 Delta R.T. 0.000 min
 Lab File: BM047528.D
 Acq: 14 Sep 2024 17:53



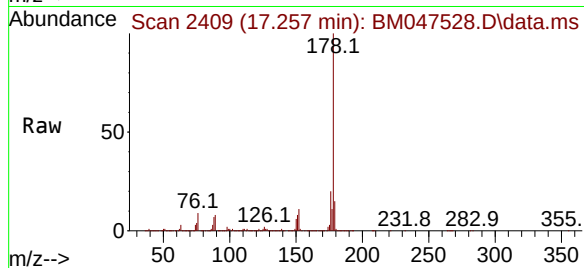
Tgt Ion:266 Resp: 622891
 Ion Ratio Lower Upper
 266 100
 268 63.4 51.0 76.4
 264 62.3 50.4 75.6





#71
Phenanthrene
Concen: 39.903 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

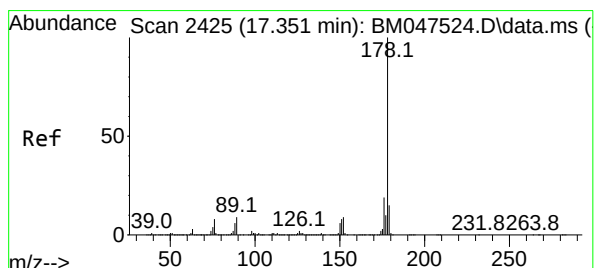
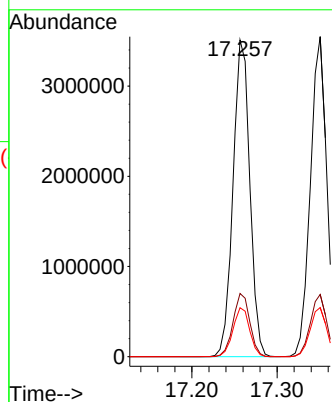
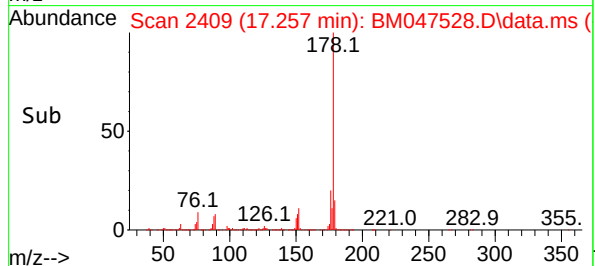
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

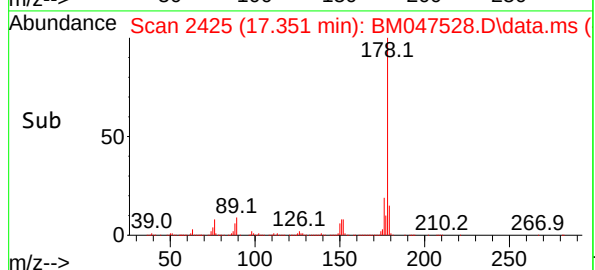
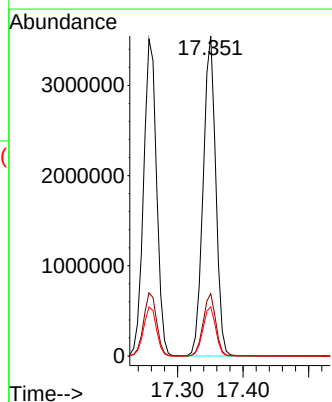
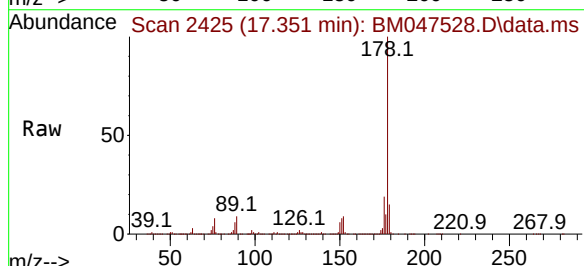
Manual Integrations
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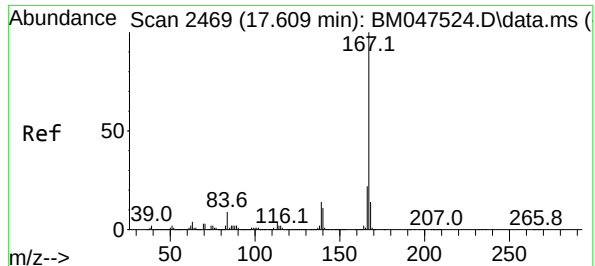
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

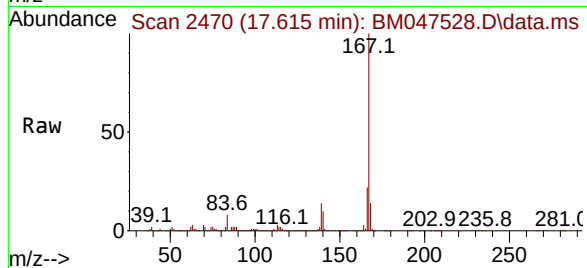
Tgt Ion:178 Resp: 4737394
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.3 12.3 18.5





#73
Carbazole
Concen: 41.301 ng
RT: 17.615 min Scan# 2469
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

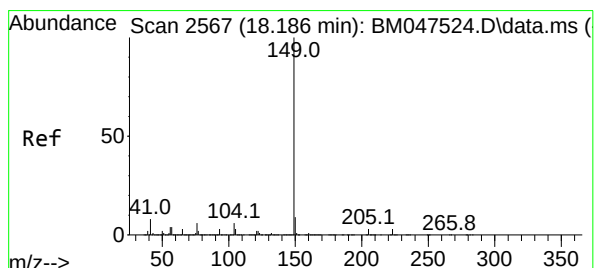
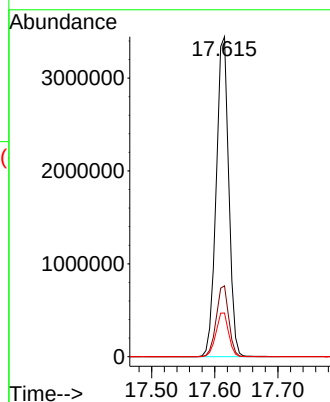
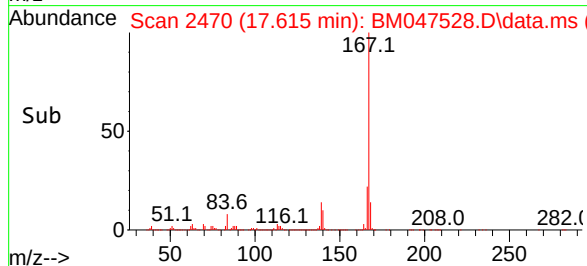
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:167 Resp: 4733275
Ion Ratio Lower Upper
167 100
166 22.1 17.8 26.8
139 13.6 11.0 16.6

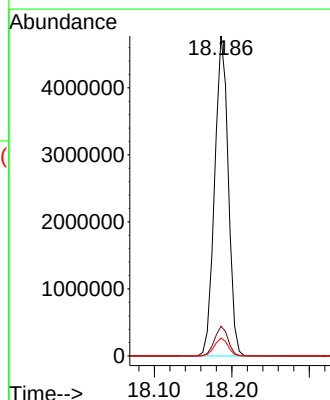
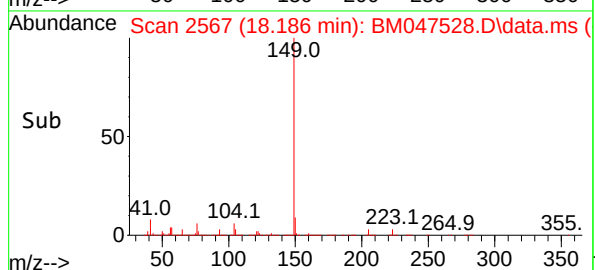
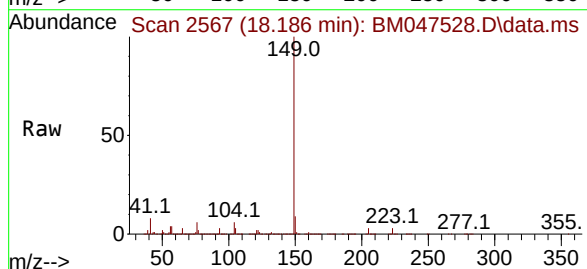
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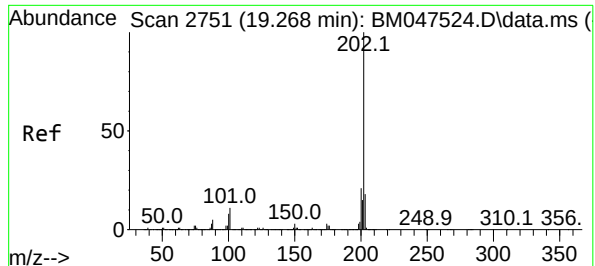
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

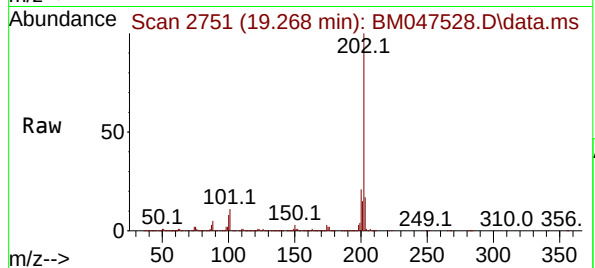
Tgt Ion:149 Resp: 5807192
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.6 4.6 6.8





#75
Fluoranthene
Concen: 42.122 ng
RT: 19.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

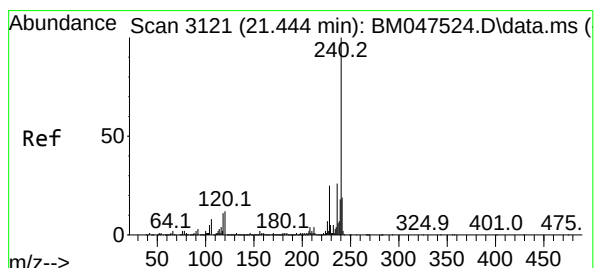
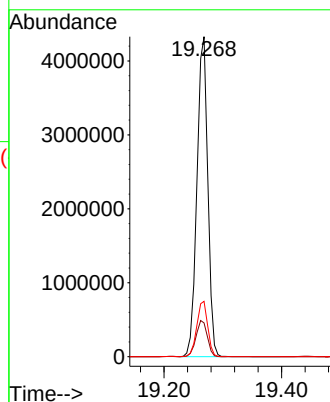
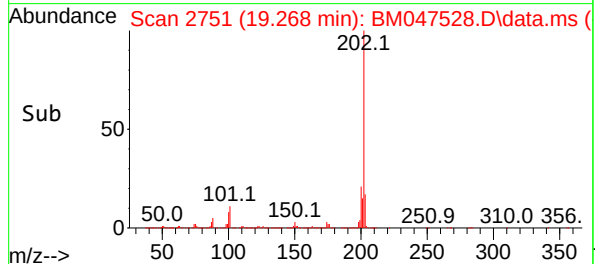
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

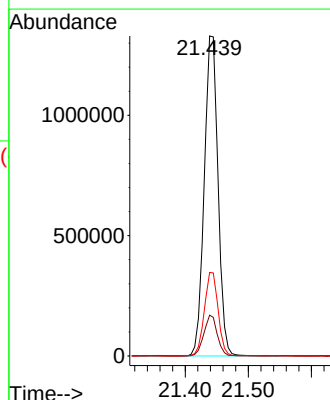
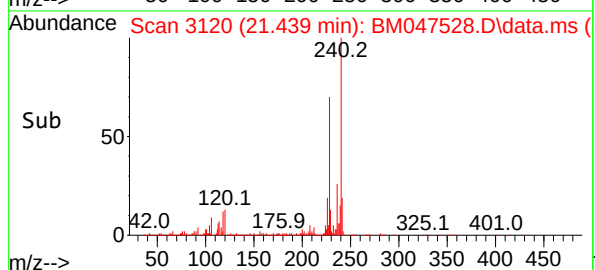
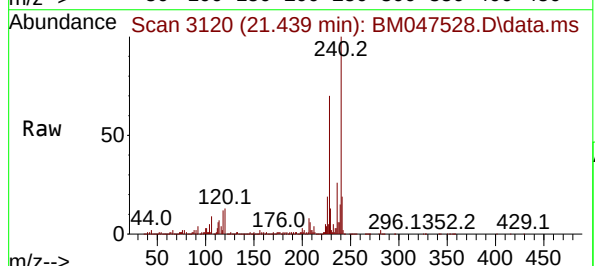
Manual Integrations
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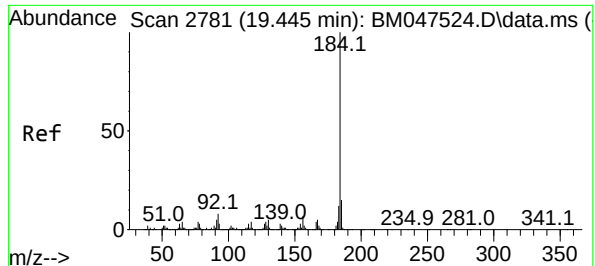
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

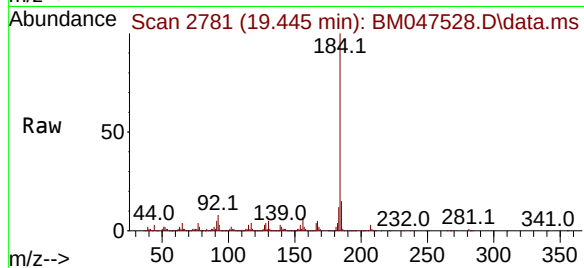
Tgt Ion:240 Resp: 2018814
Ion Ratio Lower Upper
240 100
120 12.7 9.6 14.4
236 26.1 20.9 31.3





#77
Benzidine
Concen: 36.773 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

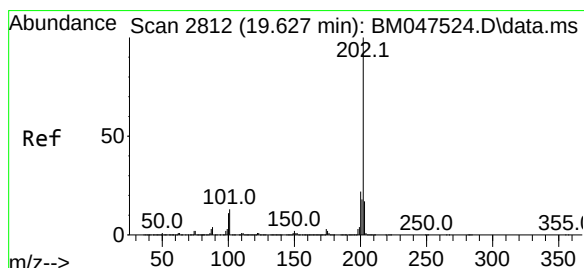
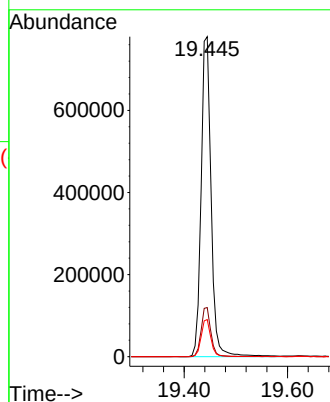
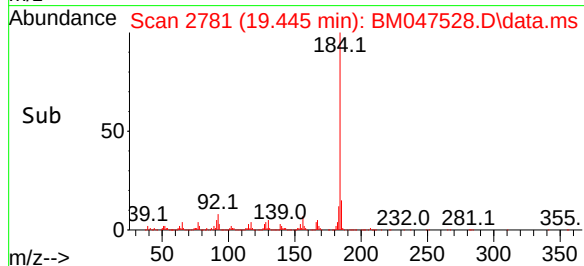
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:184 Resp: 1045554
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.2
183 11.6 9.6 14.4

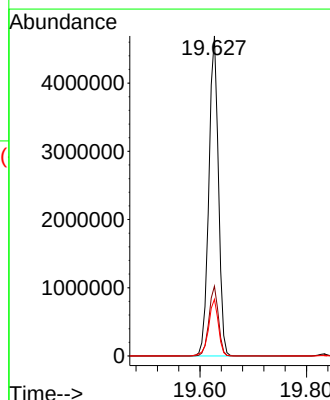
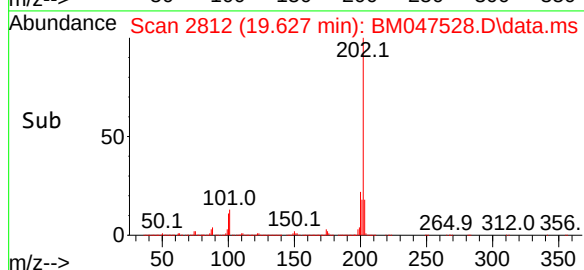
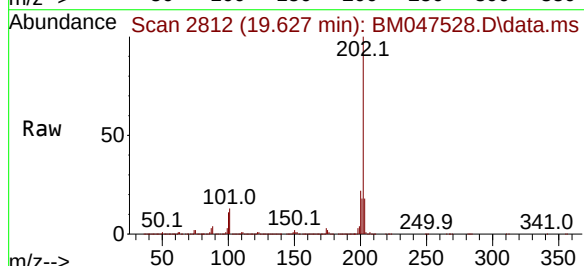
Manual Integrations
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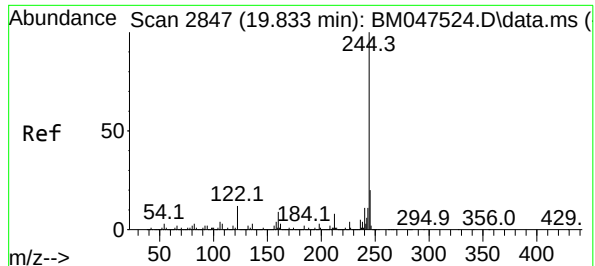
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

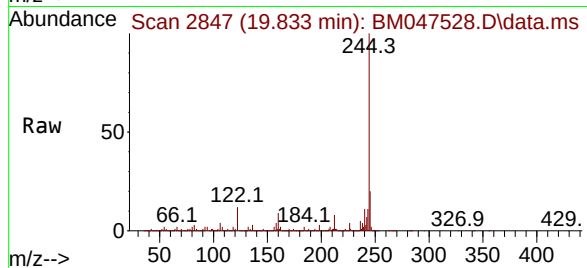
Tgt Ion:202 Resp: 5859728
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.7 14.0 21.0





#79
Terphenyl-d14
Concen: 83.794 ng
RT: 19.833 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

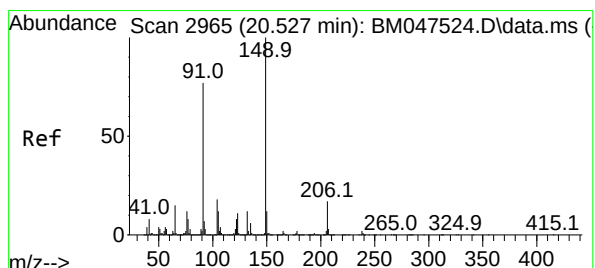
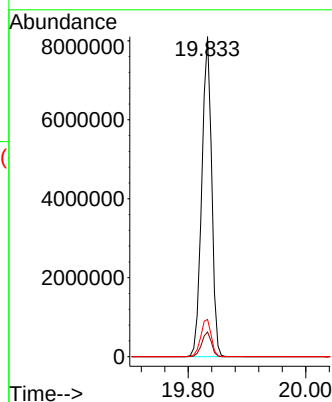
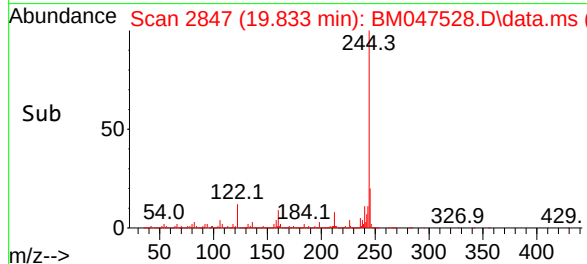
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

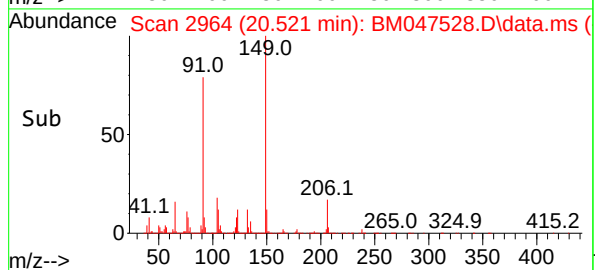
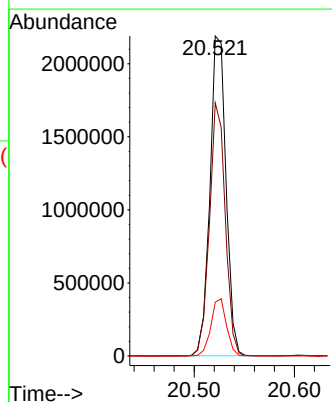
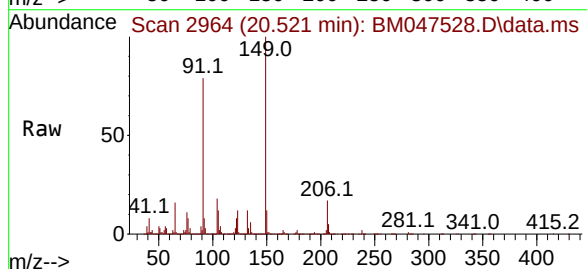
Manual Integrations
APPROVED

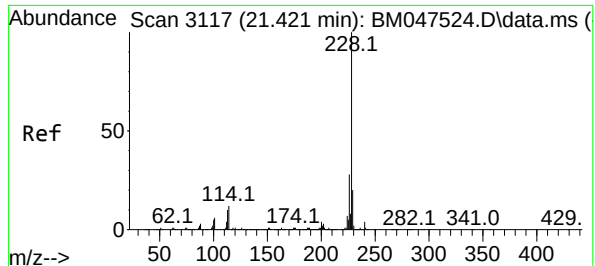
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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

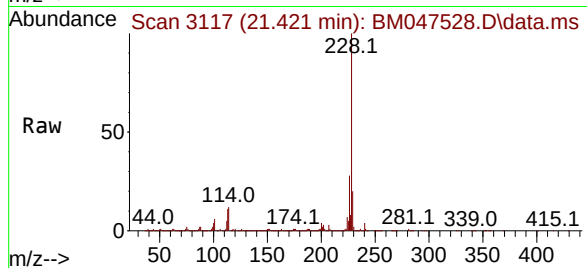
Tgt Ion:149 Resp: 2448871
Ion Ratio Lower Upper
149 100
91 79.1 62.0 93.0
206 16.8 13.8 20.8





#81
Benzo(a)anthracene
Concen: 40.554 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

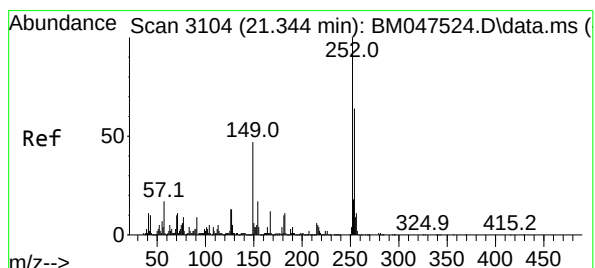
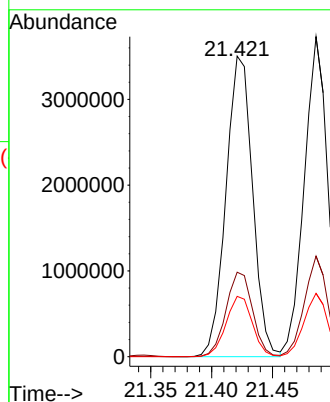
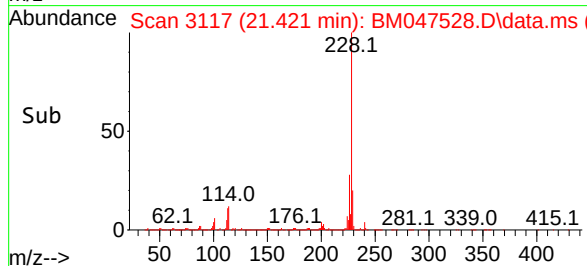
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

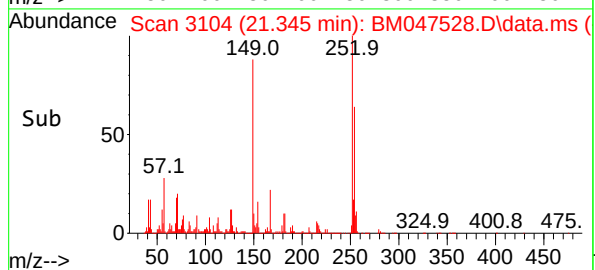
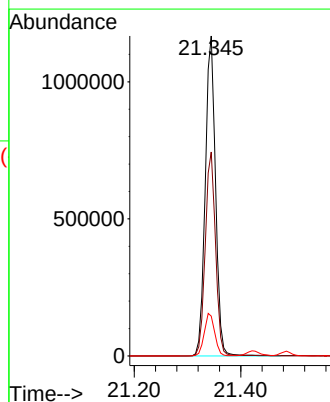
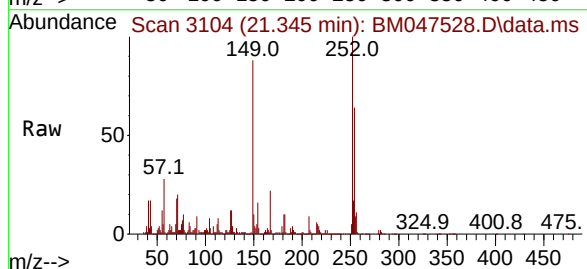
Manual Integrations
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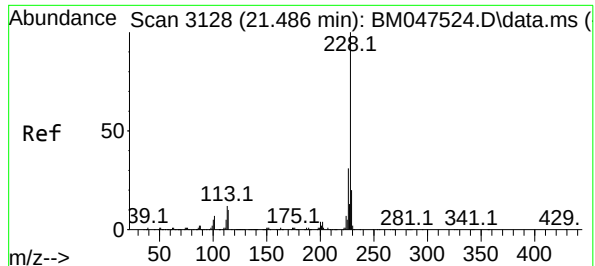
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#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# 3128

Delta R.T. 0.000 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424

Tgt Ion:228 Resp: 5016069

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

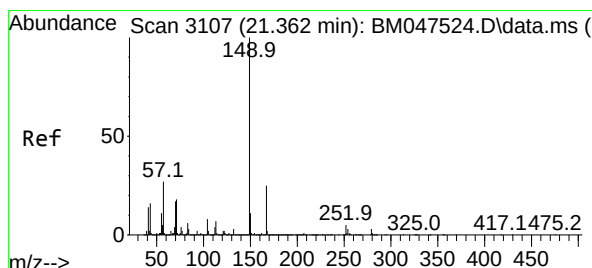
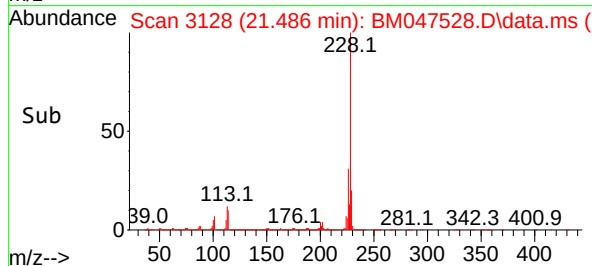
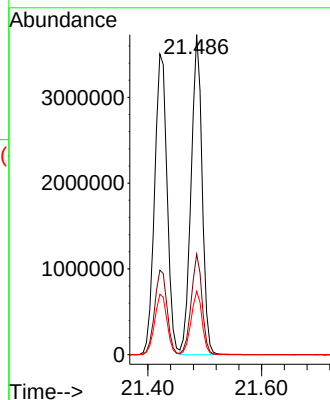
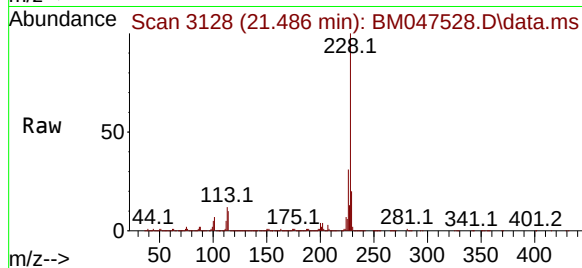
229 19.8 15.9 23.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.013 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53

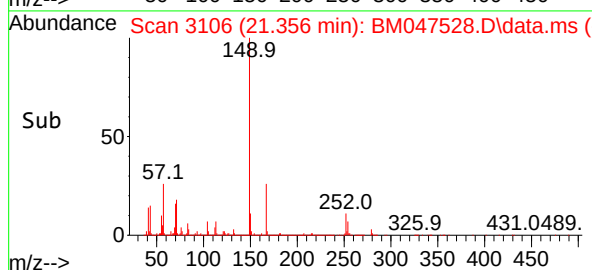
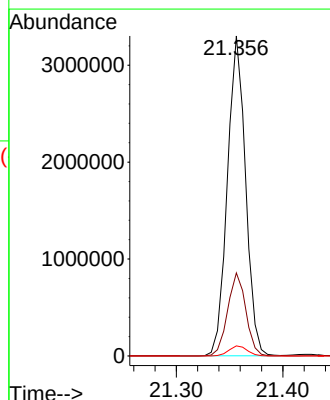
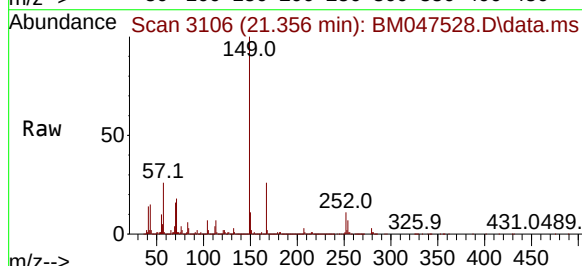
Tgt Ion:149 Resp: 3908511

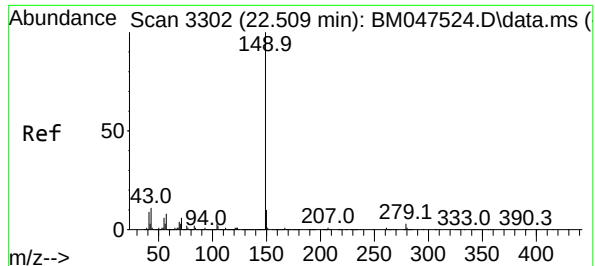
Ion Ratio Lower Upper

149 100

167 26.0 20.2 30.4

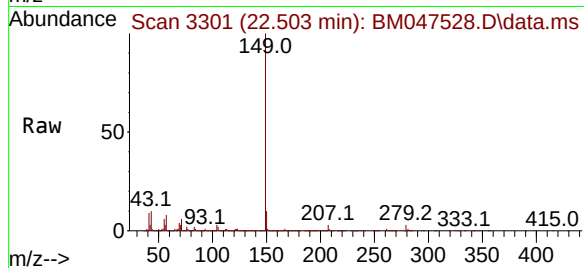
279 3.2 2.6 4.0





#85
Di-n-octyl phthalate
Concen: 46.533 ng
RT: 22.503 min Scan# 3301
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

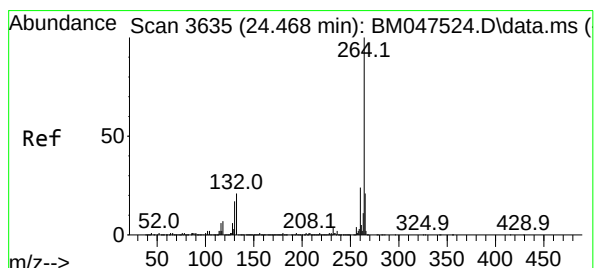
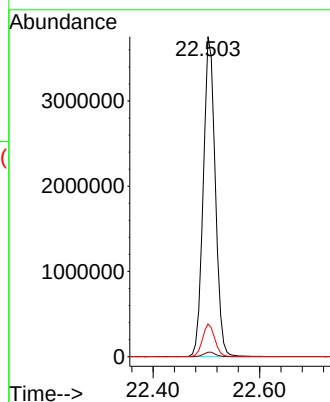
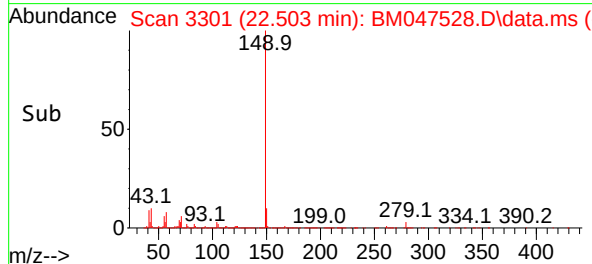
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



Tgt Ion:149 Resp: 5845092
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 10.5 8.9 13.3

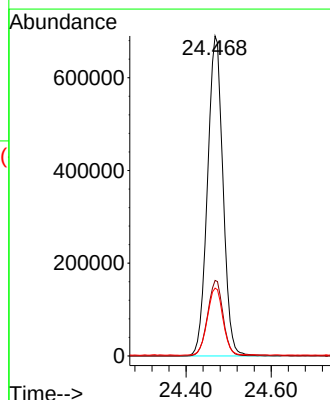
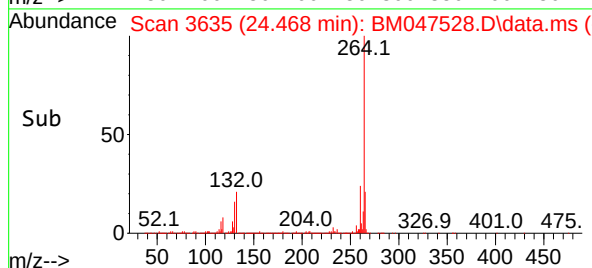
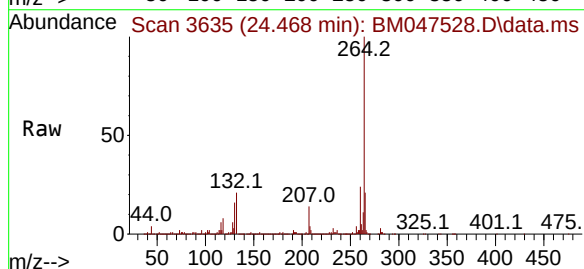
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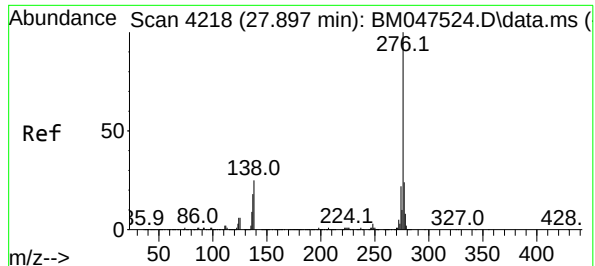
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

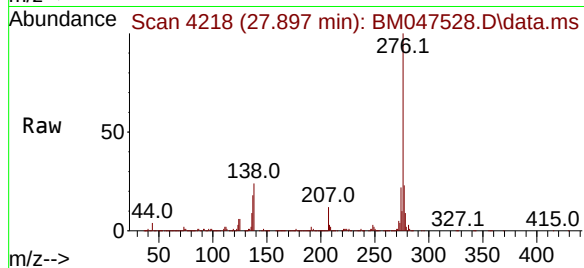
Tgt Ion:264 Resp: 1739593
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.2 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.856 ng
RT: 27.897 min Scan# 4218
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

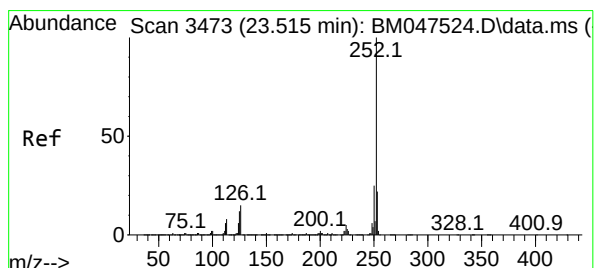
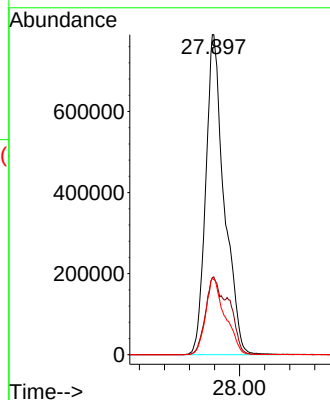
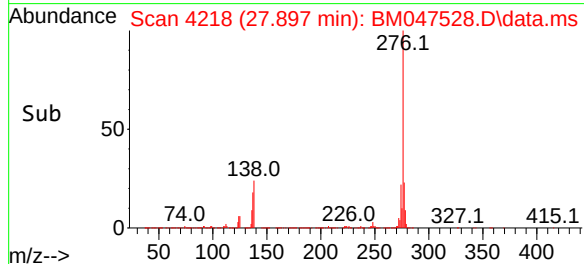
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



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

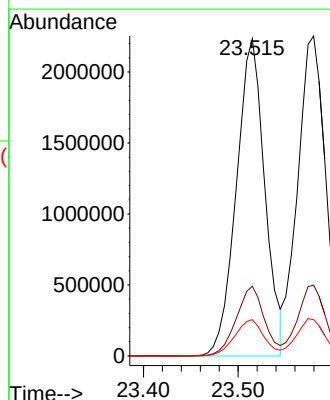
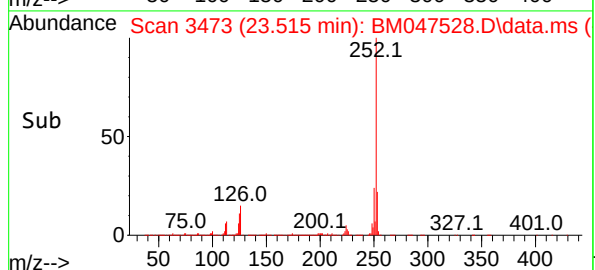
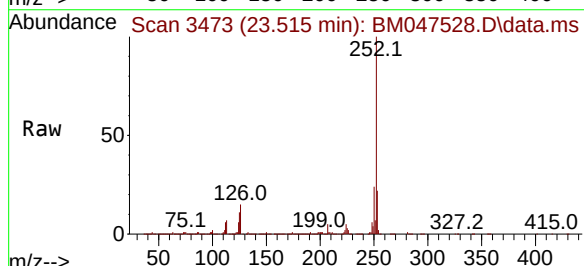
Manual Integrations
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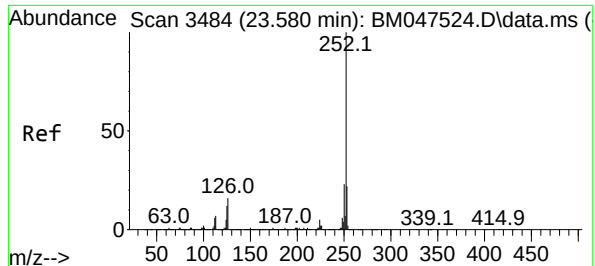
Reviewed By : Yogesh Patel 09/16/2024
Supervised By : mohammad ahmed 09/17/2024



#88
Benzo(b)fluoranthene
Concen: 41.356 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 252 Resp: 4654837
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 11.5 9.5 14.3





#89

Benzo(k)fluoranthene

Concen: 41.592 ng

RT: 23.580 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM047528.D

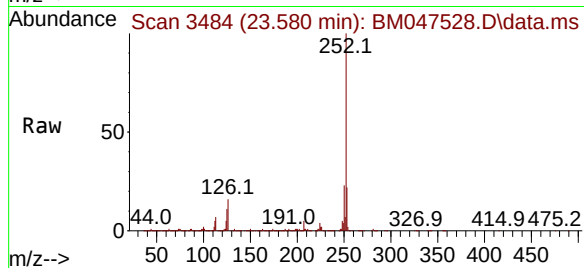
Acq: 14 Sep 2024 17:53

Instrument :

BNA_M

ClientSampleId :

ICVBM091424



Tgt Ion:252 Resp: 4639524

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

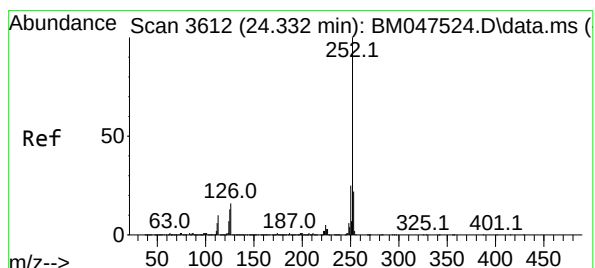
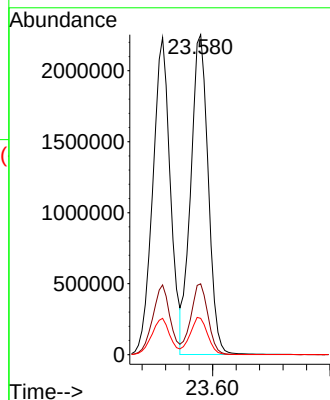
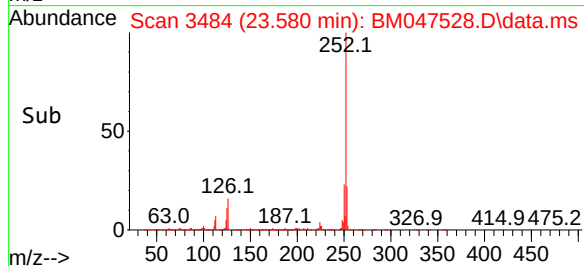
125 11.4 9.5 14.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024



#90

Benzo(a)pyrene

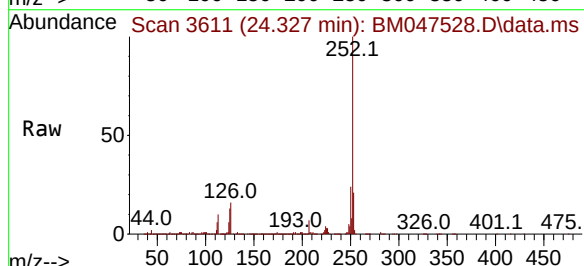
Concen: 41.129 ng

RT: 24.327 min Scan# 3611

Delta R.T. -0.006 min

Lab File: BM047528.D

Acq: 14 Sep 2024 17:53



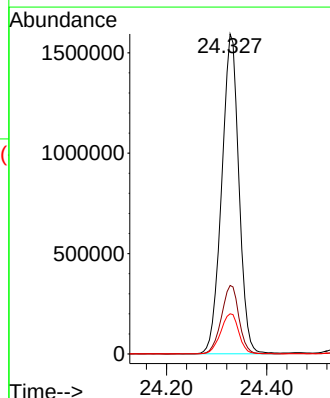
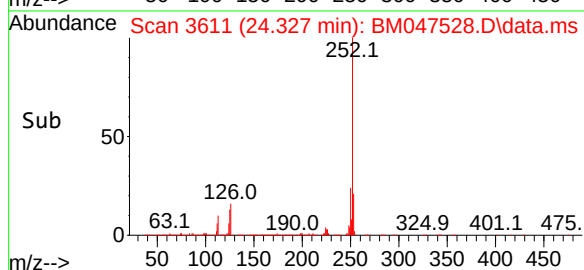
Tgt Ion:252 Resp: 3794215

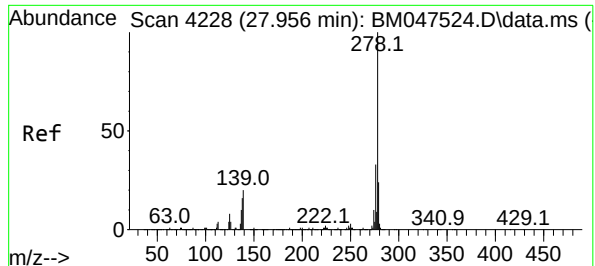
Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

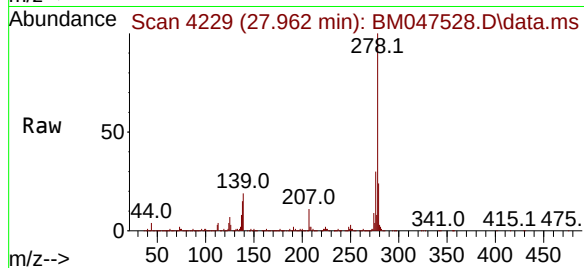
125 12.5 10.2 15.4





#91
Dibenzo(a,h)anthracene
Concen: 39.061 ng
RT: 27.962 min Scan# 41
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

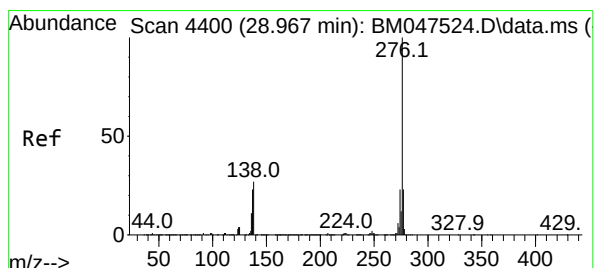
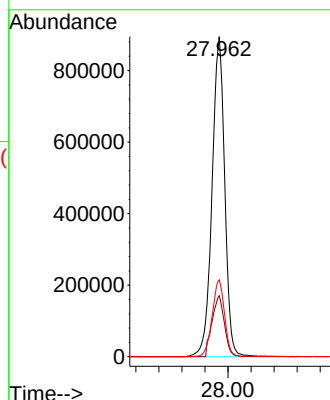
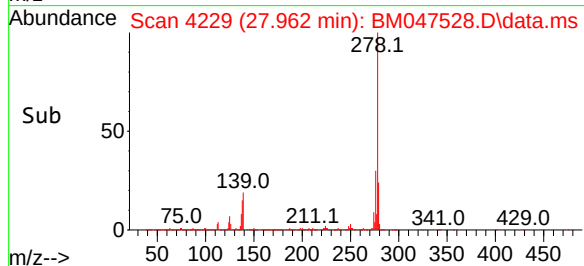
Instrument :
BNA_M
ClientSampleId :
ICVBM091424



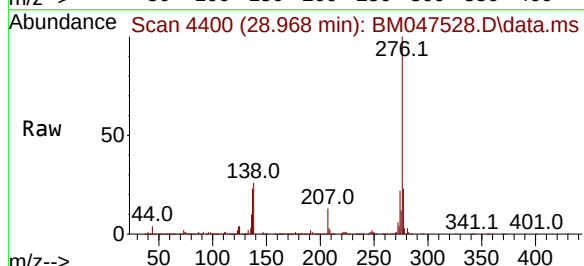
Tgt Ion:278 Resp: 3421259
Ion Ratio Lower Upper
278 100
139 19.1 15.9 23.9
279 24.0 19.3 28.9

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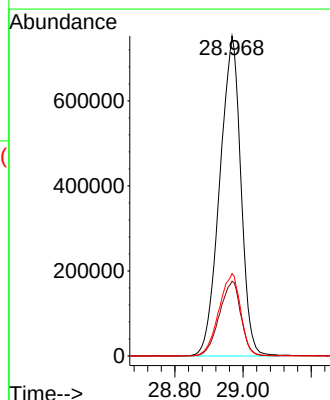
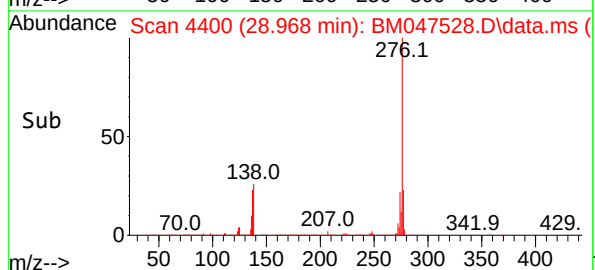
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#92
Benzo(g,h,i)perylene
Concen: 37.708 ng
RT: 28.968 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53



Tgt Ion:276 Resp: 3226301
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 25.8 21.5 32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
 Data File : BM047528.D
 Acq On : 14 Sep 2024 17:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM091424

Quant Time: Sep 15 08:58:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
2	1,4-Dioxane	0.538	0.503	6.5	115	0.00
3	Pyridine	1.601	1.532	4.3	115	0.00
4	n-Nitrosodimethylamine	0.727	0.682	6.2	111	0.00
5 S	2-Fluorophenol	1.256	1.242	1.1	119	0.00
6	Aniline	1.568	1.571	-0.2	118	0.00
7 S	Phenol-d6	1.769	1.796	-1.5	119	0.00
8	2-Chlorophenol	1.385	1.400	-1.1	119	0.00
9	Benzaldehyde	0.841	0.896	-6.5	127	0.00
10 C	Phenol	1.771	1.774	-0.2	118	0.00
11	bis(2-Chloroethyl)ether	1.422	1.414	0.6	118	0.00
12	1,3-Dichlorobenzene	1.516	1.490	1.7	118	0.00
13 C	1,4-Dichlorobenzene	1.544	1.514	1.9	118	0.00
14	1,2-Dichlorobenzene	1.519	1.495	1.6	118	0.00
15	Benzyl Alcohol	1.198	1.238	-3.3	119	0.00
16	2,2'-oxybis(1-Chloropropane	2.000	1.934	3.3	114	0.00
17	2-Methylphenol	1.132	1.158	-2.3	118	0.00
18	Hexachloroethane	0.617	0.602	2.4	116	0.00
19 P	n-Nitroso-di-n-propylamine	1.193	1.231	-3.2	118	0.00
20	3+4-Methylphenols	1.579	1.622	-2.7	119	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	120	0.00
22	Acetophenone	0.526	0.519	1.3	118	0.00
23 S	Nitrobenzene-d5	0.400	0.395	1.3	116	0.00
24	Nitrobenzene	0.411	0.403	1.9	117	0.00
25	Isophorone	0.703	0.709	-0.9	119	0.00
26 C	2-Nitrophenol	0.140	0.157	-12.1	127	0.00
27	2,4-Dimethylphenol	0.212	0.214	-0.9	122	0.00
28	bis(2-Chloroethoxy)methane	0.441	0.435	1.4	118	0.00
29 C	2,4-Dichlorophenol	0.269	0.280	-4.1	121	0.00
30	1,2,4-Trichlorobenzene	0.309	0.306	1.0	121	0.00
31	Naphthalene	1.080	1.062	1.7	118	0.00
32	Benzoic acid	0.187	0.212	-13.4	132	0.00
33	4-Chloroaniline	0.391	0.392	-0.3	119	0.00
34 C	Hexachlorobutadiene	0.171	0.168	1.8	119	0.00
35	Caprolactam	0.089	0.099	-11.2	126	0.00
36 C	4-Chloro-3-methylphenol	0.309	0.320	-3.6	120	0.00
37	2-Methylnaphthalene	0.719	0.724	-0.7	119	0.00
38	1-Methylnaphthalene	0.714	0.721	-1.0	120	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	122	0.00
40	1,2,4,5-Tetrachlorobenzene	0.541	0.533	1.5	119	0.00
41 P	Hexachlorocyclopentadiene	0.177	0.170	4.0	113	0.00
42 S	2,4,6-Tribromophenol	0.193	0.209	-8.3	126	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.354	-4.4	123	0.00
44	2,4,5-Trichlorophenol	0.383	0.398	-3.9	123	0.00
45 S	2-Fluorobiphenyl	1.452	1.462	-0.7	118	0.00
46	1,1'-Biphenyl	1.556	1.541	1.0	120	0.00
47	2-Chloronaphthalene	1.208	1.202	0.5	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
 Data File : BM047528.D
 Acq On : 14 Sep 2024 17:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM091424

Quant Time: Sep 15 08:58:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.355	0.373	-5.1	121	0.00
49	Acenaphthylene	1.744	1.757	-0.7	120	0.00
50	Dimethylphthalate	1.363	1.354	0.7	120	0.00
51	2,6-Dinitrotoluene	0.288	0.300	-4.2	123	0.00
52 C	Acenaphthene	1.222	1.235	-1.1	121	0.00
53	3-Nitroaniline	0.320	0.338	-5.6	123	0.00
54 P	2,4-Dinitrophenol	0.125	0.131	-4.8	125	0.00
55	Dibenzofuran	1.717	1.700	1.0	120	0.00
56 P	4-Nitrophenol	0.263	0.288	-9.5	125	0.00
57	2,4-Dinitrotoluene	0.384	0.408	-6.2	122	0.00
58	Fluorene	1.546	1.580	-2.2	118	0.00
59	2,3,4,6-Tetrachlorophenol	0.299	0.309	-3.3	123	0.00
60	Diethylphthalate	1.451	1.468	-1.2	121	0.00
61	4-Chlorophenyl-phenylether	0.707	0.714	-1.0	117	0.00
62	4-Nitroaniline	0.376	0.408	-8.5	119	0.00
63	Azobenzene	1.597	1.574	1.4	116	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00
65	4,6-Dinitro-2-methylphenol	0.091	0.098	-7.7	130	0.00
66 c	n-Nitrosodiphenylamine	0.612	0.620	-1.3	120	0.00
67	4-Bromophenyl-phenylether	0.194	0.199	-2.6	123	0.00
68	Hexachlorobenzene	0.220	0.222	-0.9	122	0.00
69	Atrazine	0.169	0.176	-4.1	121	0.00
70 C	Pentachlorophenol	0.128	0.143	-11.7	128	0.00
71	Phenanthrene	1.102	1.100	0.2	118	0.00
72	Anthracene	1.059	1.085	-2.5	120	0.00
73	Carbazole	1.049	1.084	-3.3	121	0.00
74	Di-n-butylphthalate	1.256	1.329	-5.8	121	0.00
75 C	Fluoranthene	1.203	1.266	-5.2	120	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	124	0.00
77	Benzidine	0.282	0.259	8.2	127	0.00
78	Pyrene	1.459	1.451	0.5	121	0.00
79 S	Terphenyl-d14	1.116	1.169	-4.7	115	0.00
80	Butylbenzylphthalate	0.562	0.607	-8.0	128	0.00
81	Benzo(a)anthracene	1.304	1.322	-1.4	123	0.00
82	3,3'-Dichlorobenzidine	0.347	0.387	-11.5	133	0.00
83	Chrysene	1.233	1.242	-0.7	123	0.00
84	Bis(2-ethylhexyl)phthalate	0.880	0.968	-10.0	129	0.00
85 c	Di-n-octyl phthalate	1.244	1.448	-16.4	138	0.00
86 I	Perylene-d12	1.000	1.000	0.0	133	0.00
87	Indeno(1,2,3-cd)pyrene	1.197	1.163	2.8	130	0.00
88	Benzo(b)fluoranthene	1.294	1.338	-3.4	133	0.00
89	Benzo(k)fluoranthene	1.282	1.334	-4.1	130	0.00
90 C	Benzo(a)pyrene	1.061	1.091	-2.8	132	0.00
91	Dibenzo(a,h)anthracene	1.007	0.983	2.4	132	0.00
92	Benzo(g,h,i)perylene	0.984	0.927	5.8	127	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
 Data File : BM047528.D
 Acq On : 14 Sep 2024 17:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM091424

Quant Time: Sep 15 08:58:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	119	0.00
2	1,4-Dioxane	40.000	37.418	6.5	115	0.00
3	Pyridine	40.000	38.276	4.3	115	0.00
4	n-Nitrosodimethylamine	40.000	37.531	6.2	111	0.00
5 S	2-Fluorophenol	80.000	79.080	1.2	119	0.00
6	Aniline	40.000	40.075	-0.2	118	0.00
7 S	Phenol-d6	80.000	81.240	-1.5	119	0.00
8	2-Chlorophenol	40.000	40.435	-1.1	119	0.00
9	Benzaldehyde	40.000	42.604	-6.5	127	0.00
10 C	Phenol	40.000	40.068	-0.2	118	0.00
11	bis(2-Chloroethyl)ether	40.000	39.763	0.6	118	0.00
12	1,3-Dichlorobenzene	40.000	39.323	1.7	118	0.00
13 C	1,4-Dichlorobenzene	40.000	39.224	1.9	118	0.00
14	1,2-Dichlorobenzene	40.000	39.373	1.6	118	0.00
15	Benzyl Alcohol	40.000	41.322	-3.3	119	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.676	3.3	114	0.00
17	2-Methylphenol	40.000	40.947	-2.4	118	0.00
18	Hexachloroethane	40.000	39.026	2.4	116	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.297	-3.2	118	0.00
20	3+4-Methylphenols	40.000	41.091	-2.7	119	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	120	0.00
22	Acetophenone	40.000	39.445	1.4	118	0.00
23 S	Nitrobenzene-d5	80.000	79.016	1.2	116	0.00
24	Nitrobenzene	40.000	39.215	2.0	117	0.00
25	Isophorone	40.000	40.365	-0.9	119	0.00
26 C	2-Nitrophenol	40.000	44.791	-12.0	127	0.00
27	2,4-Dimethylphenol	40.000	40.331	-0.8	122	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.457	1.4	118	0.00
29 C	2,4-Dichlorophenol	40.000	41.509	-3.8	121	0.00
30	1,2,4-Trichlorobenzene	40.000	39.627	0.9	121	0.00
31	Naphthalene	40.000	39.330	1.7	118	0.00
32	Benzoic acid	40.000	41.565	-3.9	132	0.00
33	4-Chloroaniline	40.000	40.157	-0.4	119	0.00
34 C	Hexachlorobutadiene	40.000	39.303	1.7	119	0.00
35	Caprolactam	40.000	44.462	-11.2	126	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.503	-3.8	120	0.00
37	2-Methylnaphthalene	40.000	40.287	-0.7	119	0.00
38	1-Methylnaphthalene	40.000	40.366	-0.9	120	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	122	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.423	1.4	119	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.330	4.2	113	0.00
42 S	2,4,6-Tribromophenol	80.000	86.666	-8.3	126	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.805	-4.5	123	0.00
44	2,4,5-Trichlorophenol	40.000	41.595	-4.0	123	0.00
45 S	2-Fluorobiphenyl	80.000	80.575	-0.7	118	0.00
46	1,1'-Biphenyl	40.000	39.616	1.0	120	0.00
47	2-Chloronaphthalene	40.000	39.789	0.5	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
 Data File : BM047528.D
 Acq On : 14 Sep 2024 17:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM091424

Quant Time: Sep 15 08:58:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.070	-5.2	121	0.00
49	Acenaphthylene	40.000	40.313	-0.8	120	0.00
50	Dimethylphthalate	40.000	39.733	0.7	120	0.00
51	2,6-Dinitrotoluene	40.000	41.664	-4.2	123	0.00
52 C	Acenaphthene	40.000	40.442	-1.1	121	0.00
53	3-Nitroaniline	40.000	42.236	-5.6	123	0.00
54 P	2,4-Dinitrophenol	40.000	41.320	-3.3	125	0.00
55	Dibenzofuran	40.000	39.603	1.0	120	0.00
56 P	4-Nitrophenol	40.000	43.814	-9.5	125	0.00
57	2,4-Dinitrotoluene	40.000	42.569	-6.4	122	0.00
58	Fluorene	40.000	40.896	-2.2	118	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.395	-3.5	123	0.00
60	Diethylphthalate	40.000	40.482	-1.2	121	0.00
61	4-Chlorophenyl-phenylether	40.000	40.407	-1.0	117	0.00
62	4-Nitroaniline	40.000	43.422	-8.6	119	0.00
63	Azobenzene	40.000	39.412	1.5	116	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	122	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.815	0.5	130	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.550	-1.4	120	0.00
67	4-Bromophenyl-phenylether	40.000	40.870	-2.2	123	0.00
68	Hexachlorobenzene	40.000	40.377	-0.9	122	0.00
69	Atrazine	40.000	41.735	-4.3	121	0.00
70 C	Pentachlorophenol	40.000	44.695	-11.7	128	0.00
71	Phenanthrene	40.000	39.903	0.2	118	0.00
72	Anthracene	40.000	40.965	-2.4	120	0.00
73	Carbazole	40.000	41.301	-3.3	121	0.00
74	Di-n-butylphthalate	40.000	42.350	-5.9	121	0.00
75 C	Fluoranthene	40.000	42.122	-5.3	120	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	124	0.00
77	Benzydine	40.000	36.773	8.1	127	0.00
78	Pyrene	40.000	39.792	0.5	121	0.00
79 S	Terphenyl-d14	80.000	83.794	-4.7	115	0.00
80	Butylbenzylphthalate	40.000	43.200	-8.0	128	0.00
81	Benzo(a)anthracene	40.000	40.554	-1.4	123	0.00
82	3,3'-Dichlorobenzidine	40.000	44.615	-11.5	133	0.00
83	Chrysene	40.000	40.301	-0.8	123	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.013	-10.0	129	0.00
85 c	Di-n-octyl phthalate	40.000	46.533	-16.3	138	0.00
86 I	Perylene-d12	20.000	20.000	0.0	133	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.856	2.9	130	0.00
88	Benzo(b)fluoranthene	40.000	41.356	-3.4	133	0.00
89	Benzo(k)fluoranthene	40.000	41.592	-4.0	130	0.00
90 C	Benzo(a)pyrene	40.000	41.129	-2.8	132	0.00
91	Dibenzo(a,h)anthracene	40.000	39.061	2.3	132	0.00
92	Benzo(g,h,i)perylene	40.000	37.708	5.7	127	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

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

Instrument ID: BNA_M Calibration Date/Time: 09/16/2024 10:16

Lab File ID: BM047533.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.727	0.721		-0.8	
Pyridine	1.601	1.621		1.2	
2-Fluorophenol	1.256	1.252		-0.3	
Benzaldehyde	0.841	0.790		-6.1	
Aniline	1.568	1.589		1.3	
Phenol-d6	1.769	1.794		1.4	
bis(2-Chloroethyl) ether	1.422	1.438		1.1	
1,2-Dichlorobenzene	1.519	1.494		-1.6	
1,3-Dichlorobenzene	1.516	1.490		-1.7	
1,4-Dichlorobenzene	1.544	1.514		-1.9	20.0
Benzyl Alcohol	1.198	1.201		0.3	
2,2-oxybis(1-Chloropropane)	2.000	1.992		-0.4	
Acetophenone	0.526	0.524		-0.4	
n-Nitroso-di-n-propylamine	1.193	1.237	0.050	3.7	
Nitrobenzene-d5	0.400	0.405		1.3	
Hexachloroethane	0.617	0.600		-2.8	
Nitrobenzene	0.411	0.413		0.5	
Isophorone	0.703	0.714		1.6	
bis(2-Chloroethoxy) methane	0.441	0.445		0.9	
1,2,4-Trichlorobenzene	0.309	0.303		-1.9	
Naphthalene	1.080	1.072		-0.7	
4-Chloroaniline	0.391	0.396		1.3	
Hexachlorobutadiene	0.171	0.165		-3.5	20.0
Caprolactam	0.089	0.097		9.0	
2-Methylnaphthalene	0.719	0.723		0.6	
Hexachlorocyclopentadiene	0.177	0.169	0.050	-4.5	
2-Fluorobiphenyl	1.452	1.482		2.1	
1,1-Biphenyl	1.556	1.554		-0.1	
2-Chloronaphthalene	1.208	1.202		-0.5	
2-Nitroaniline	0.355	0.368		3.7	
Dimethylphthalate	1.363	1.362		-0.1	
Acenaphthylene	1.744	1.770		1.5	
2,6-Dinitrotoluene	0.288	0.299		3.8	
3-Nitroaniline	0.320	0.339		5.9	
Acenaphthene	1.222	1.240		1.5	20.0
Dibenzofuran	1.717	1.720		0.2	
2,4-Dinitrotoluene	0.384	0.409		6.5	
Diethylphthalate	1.451	1.489		2.6	
4-Chlorophenyl-phenylether	0.707	0.726		2.7	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

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

Instrument ID: BNA_M Calibration Date/Time: 09/16/2024 10:16

Lab File ID: BM047533.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Fluorene	1.546	1.615		4.5	
4-Nitroaniline	0.376	0.421		12.0	
n-Nitrosodiphenylamine	0.612	0.619		1.1	20.0
Azobenzene	1.597	1.667		4.4	
2,4,6-Tribromophenol	0.193	0.197		2.1	
4-Bromophenyl-phenylether	0.194	0.194		0.0	
Hexachlorobenzene	0.220	0.216		-1.8	
Atrazine	0.169	0.172		1.8	
Phenanthrene	1.102	1.119		1.5	
Anthracene	1.059	1.094		3.3	
Carbazole	1.049	1.094		4.3	
Di-n-butylphthalate	1.256	1.345		7.1	
Fluoranthene	1.203	1.285		6.8	20.0
Benzidine	0.282	0.410		45.4	
Pyrene	1.459	1.491		2.2	
Terphenyl-dl4	1.116	1.242		11.3	
Butylbenzylphthalate	0.562	0.569		1.2	
3,3-Dichlorobenzidine	0.347	0.387		11.5	
Benzo(a)anthracene	1.304	1.325		1.6	
Chrysene	1.233	1.248		1.2	
Bis(2-ethylhexyl)phthalate	0.880	0.931		5.8	
Di-n-octyl phthalate	1.244	1.314		5.6	20.0
Benzo(b)fluoranthene	1.294	1.359		5.0	
Benzo(k)fluoranthene	1.282	1.324		3.3	
Benzo(a)pyrene	1.061	1.092		2.9	20.0
Indeno(1,2,3-cd)pyrene	1.197	1.186		-0.9	
Dibenzo(a,h)anthracene	1.007	0.989		-1.8	
Benzo(g,h,i)perylene	0.984	0.962		-2.2	
1,2,4,5-Tetrachlorobenzene	0.541	0.532		-1.7	
1,4-Dioxane	0.538	0.542		0.7	20.0
1-Methylnaphthalene	0.714	0.720		0.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
 Data File : BM047533.D
 Acq On : 16 Sep 2024 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 16 11:33:47 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:56:37 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	392657	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1713353	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	1011168	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1938186	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1774639	20.000	ng	0.00
86) Perylene-d12	24.468	264	1492872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1966825	79.754	ng	0.00
7) Phenol-d6	7.010	99	2817756	81.134	ng	0.00
23) Nitrobenzene-d5	9.004	82	2776970	81.114	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	795722	81.414	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	5995667	81.679	ng	0.00
79) Terphenyl-d14	19.833	244	8815218	89.012	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	425598	40.292	ng	100
3) Pyridine	3.716	79	1272713m	40.479	ng	
4) n-Nitrosodimethylamine	3.622	42	566596	39.718	ng	100
6) Aniline	7.175	93	1247553	40.518	ng	99
8) 2-Chlorophenol	7.416	128	1081491	39.781	ng	99
9) Benzaldehyde	6.981	77	620037	37.547	ng	100
10) Phenol	7.034	94	1401549	40.304	ng	97
11) bis(2-Chloroethyl)ether	7.269	93	1129567	40.460	ng	99
12) 1,3-Dichlorobenzene	7.739	146	1169839	39.313	ng	100
13) 1,4-Dichlorobenzene	7.887	146	1189026	39.231	ng	99
14) 1,2-Dichlorobenzene	8.204	146	1173597	39.346	ng	99
15) Benzyl Alcohol	8.081	79	942934	40.082	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.375	45	1564489m	39.838	ng	
17) 2-Methylphenol	8.287	107	895293	40.301	ng	100
18) Hexachloroethane	8.934	117	470922	38.895	ng	97
19) n-Nitroso-di-n-propyla...	8.657	70	971047	41.470	ng	98
20) 3+4-Methylphenols	8.616	107	1238167	39.944	ng	98
22) Acetophenone	8.669	105	1794602	39.840	ng	# 99
24) Nitrobenzene	9.045	77	1414113	40.197	ng	99
25) Isophorone	9.575	82	2445747	40.635	ng	99
26) 2-Nitrophenol	9.757	139	468784	39.105	ng	95
27) 2,4-Dimethylphenol	9.816	122	714999	39.346	ng	99
28) bis(2-Chloroethoxy)met...	10.051	93	1526369	40.374	ng	99
29) 2,4-Dichlorophenol	10.286	162	931608	40.351	ng	98
30) 1,2,4-Trichlorobenzene	10.510	180	1039982	39.325	ng	98
31) Naphthalene	10.698	128	3671741	39.680	ng	100
32) Benzoic acid	9.957	122	639811	37.431	ng	98
33) 4-Chloroaniline	10.798	127	1357054	40.562	ng	99
34) Hexachlorobutadiene	10.992	225	563700	38.483	ng	99
35) Caprolactam	11.575	113	330988	43.526	ng	99
36) 4-Chloro-3-methylphenol	11.922	107	1090907	41.231	ng	100
37) 2-Methylnaphthalene	12.304	142	2475867	40.201	ng	100
38) 1-Methylnaphthalene	12.522	142	2467751	40.320	ng	98
40) 1,2,4,5-Tetrachloroben...	12.674	216	1076240	39.334	ng	99
41) Hexachlorocyclopentadiene	12.663	237	341444	38.172	ng	99
43) 2,4,6-Trichlorophenol	12.910	196	686103	40.025	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
 Data File : BM047533.D
 Acq On : 16 Sep 2024 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 16 11:33:47 2024

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sun Sep 15 08:56:37 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	779520	40.261	ng	99
46) 1,1'-Biphenyl	13.316	154	3142735	39.946	ng	100
47) 2-Chloronaphthalene	13.357	162	2430739	39.790	ng	100
48) 2-Nitroaniline	13.551	65	744520	41.494	ng	98
49) Acenaphthylene	14.204	152	3579429	40.604	ng	99
50) Dimethylphthalate	13.939	163	2754152	39.962	ng	100
51) 2,6-Dinitrotoluene	14.045	165	604541	41.552	ng	96
52) Acenaphthene	14.545	154	2507411	40.594	ng	98
53) 3-Nitroaniline	14.374	138	685657	42.399	ng	98
54) 2,4-Dinitrophenol	14.574	184	229497	36.995	ng	97
55) Dibenzofuran	14.880	168	3479384	40.086	ng	100
56) 4-Nitrophenol	14.674	139	562593	42.277	ng	98
57) 2,4-Dinitrotoluene	14.833	165	827965	42.670	ng	99
58) Fluorene	15.521	166	3265674	41.789	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.098	232	609295	40.362	ng	99
60) Diethylphthalate	15.304	149	3010648	41.046	ng	100
61) 4-Chlorophenyl-phenyle...	15.521	204	1468624	41.102	ng	99
62) 4-Nitroaniline	15.533	138	850755	44.755	ng	100
63) Azobenzene	15.810	77	3372126	41.753	ng	99
65) 4,6-Dinitro-2-methylph...	15.592	198	325945	35.256	ng	97
66) n-Nitrosodiphenylamine	15.733	169	2399617	40.470	ng	100
67) 4-Bromophenyl-phenylether	16.410	248	753760	40.024	ng	99
68) Hexachlorobenzene	16.527	284	839063	39.328	ng	99
69) Atrazine	16.680	200	667580	40.736	ng	99
70) Pentachlorophenol	16.862	266	526090	42.539	ng	100
71) Phenanthrene	17.257	178	4337018	40.604	ng	100
72) Anthracene	17.345	178	4239587	41.313	ng	100
73) Carbazole	17.609	167	4241425	41.705	ng	100
74) Di-n-butylphthalate	18.186	149	5213752	42.846	ng	100
75) Fluoranthene	19.262	202	4981453	42.745	ng	99
77) Benzidine	19.445	184	1456310	58.267	ng	98
78) Pyrene	19.627	202	5293066	40.890	ng	100
80) Butylbenzylphthalate	20.521	149	2019210	40.521	ng	96
81) Benzo(a)anthracene	21.421	228	4702559	40.654	ng	100
82) 3,3'-Dichlorobenzidine	21.345	252	1373888	44.650	ng	100
83) Chrysene	21.486	228	4430374	40.493	ng	100
84) Bis(2-ethylhexyl)phtha...	21.356	149	3302911	42.311	ng	99
85) Di-n-octyl phthalate	22.503	149	4665412	42.252	ng	100
87) Indeno(1,2,3-cd)pyrene	27.891	276	3541214	39.637	ng	100
88) Benzo(b)fluoranthene	23.515	252	4056932	42.001	ng	99
89) Benzo(k)fluoranthene	23.574	252	3953235	41.296	ng	99
90) Benzo(a)pyrene	24.327	252	3260773	41.189	ng	99
91) Dibenzo(a,h)anthracene	27.956	278	2953963	39.299	ng	99
92) Benzo(g,h,i)perylene	28.962	276	2871861	39.113	ng	99

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

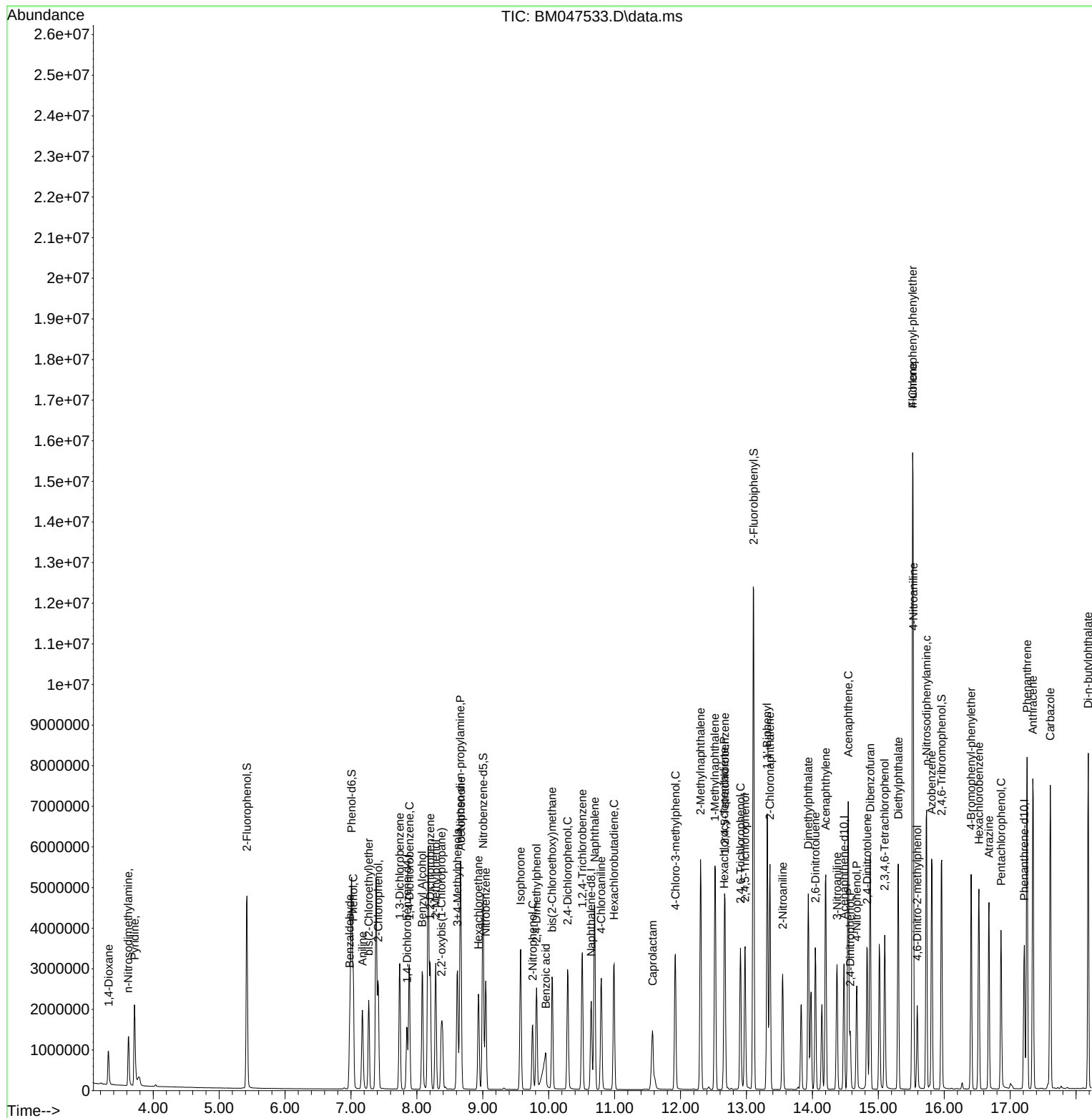
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 Data File : BM047533.D
 Acq On : 16 Sep 2024 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Manual Integrations APPROVED

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

Quant Time: Sep 16 11:33:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration



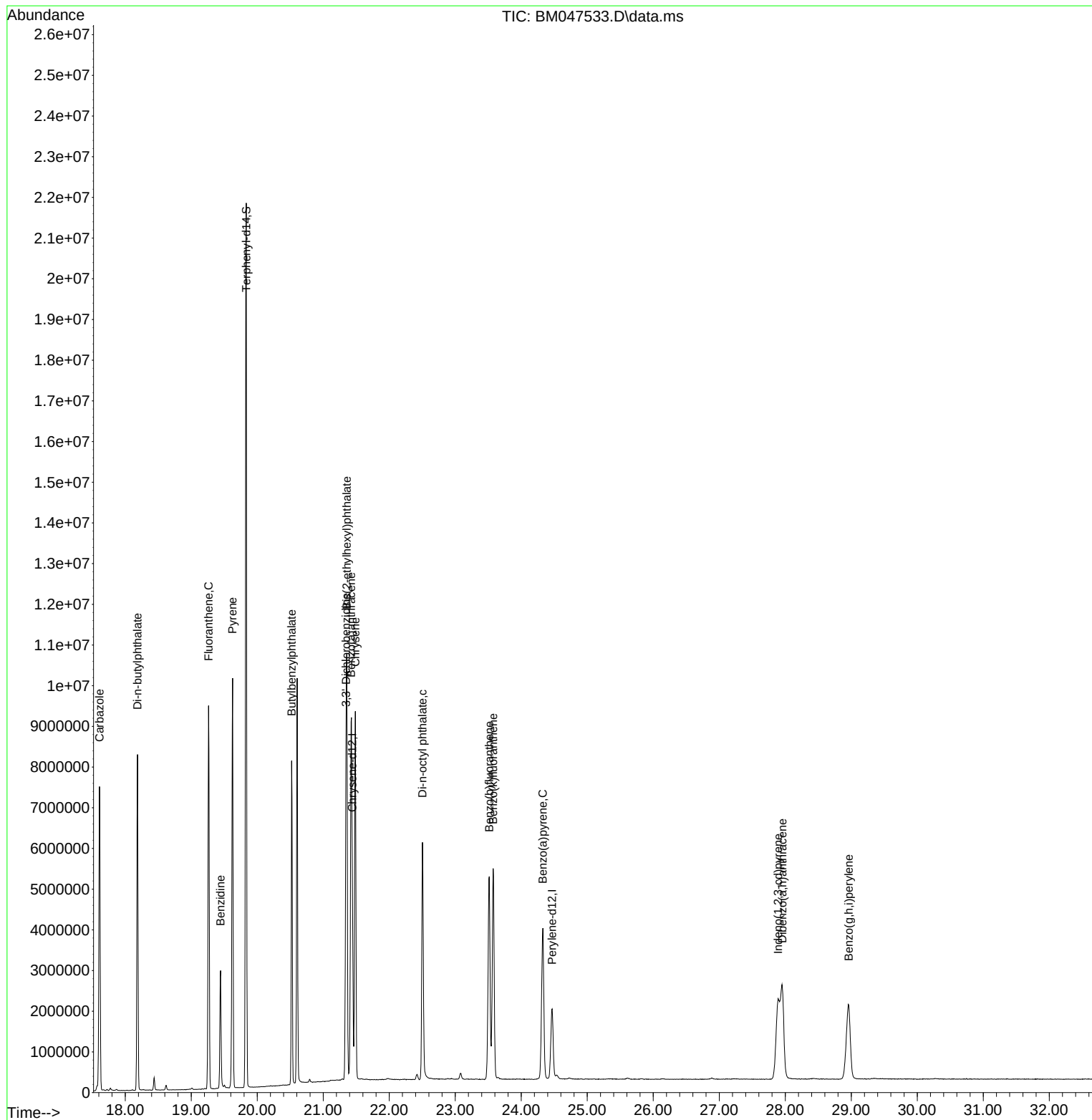
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Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

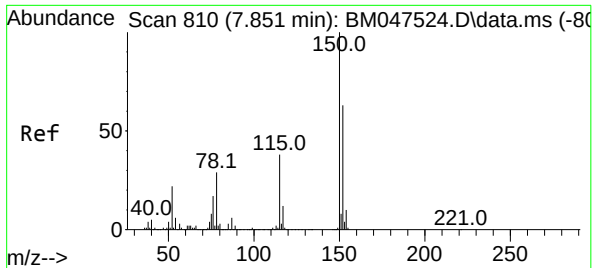
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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

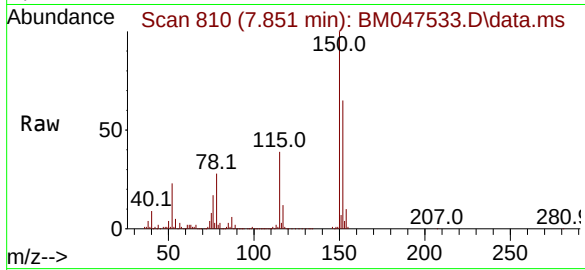
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

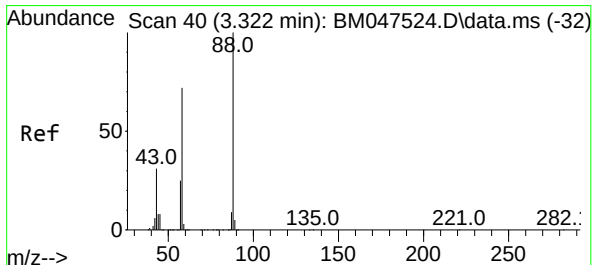
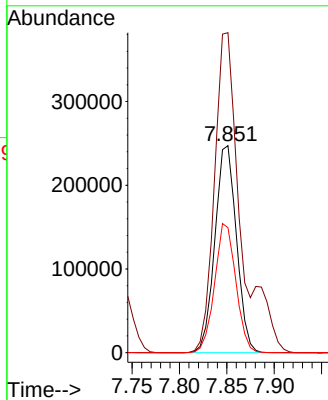
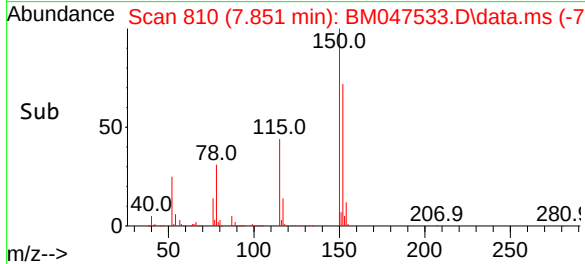
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 152 Resp: 39265
Ion Ratio Lower Upper
152 100
150 154.5 126.8 190.2
115 60.4 47.8 71.8

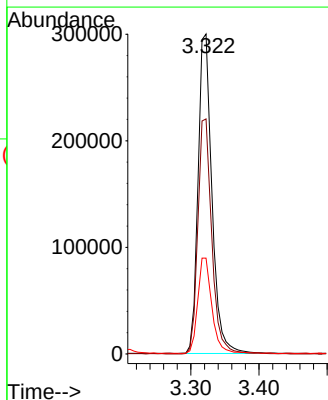
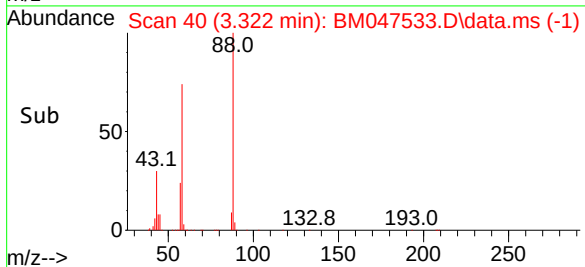
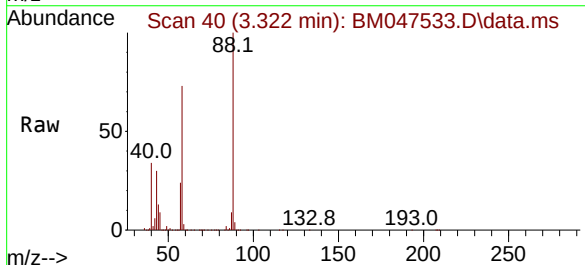
Manual Integrations
APPROVED

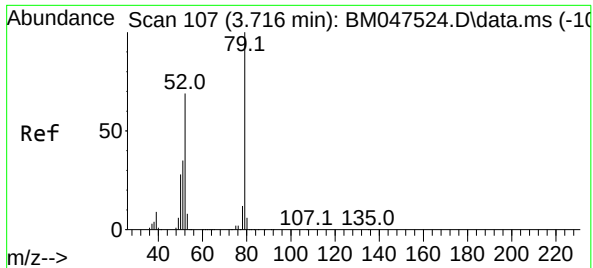
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#2
1,4-Dioxane
Concen: 40.292 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

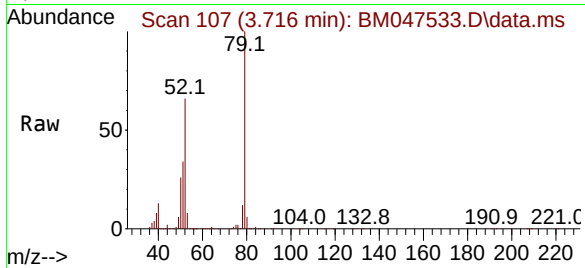
Tgt Ion: 88 Resp: 425598
Ion Ratio Lower Upper
88 100
58 73.9 59.0 88.6
43 30.4 25.0 37.4





#3
Pyridine
Concen: 40.479 ng m
RT: 3.716 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

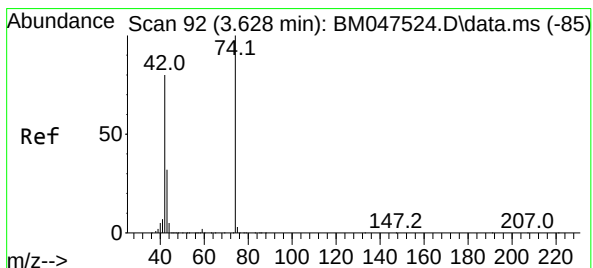
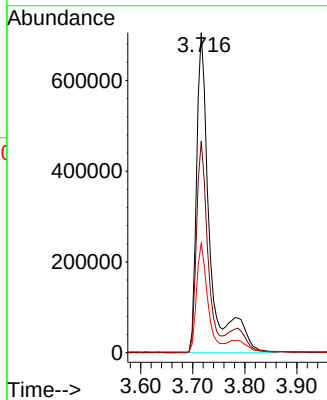
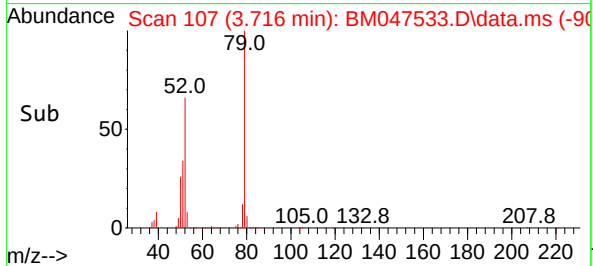
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 127271
Ion Ratio Lower Upper
79 100
52 66.1 55.4 83.0
51 34.1 27.9 41.9

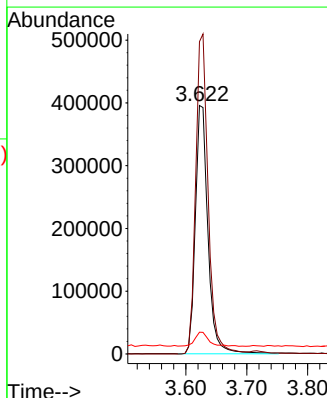
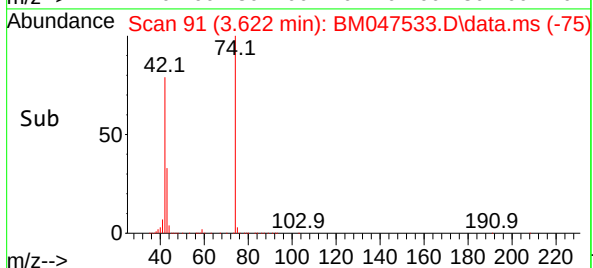
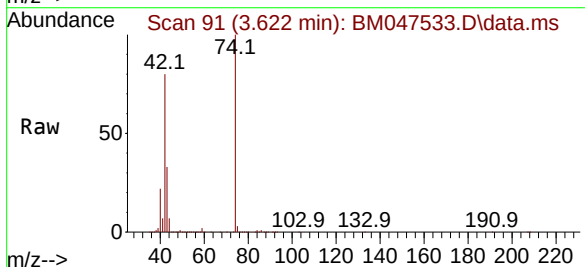
Manual Integrations
APPROVED

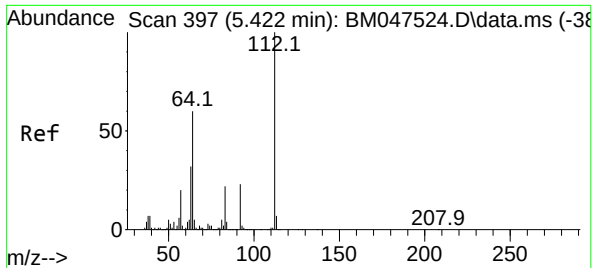
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#4
n-Nitrosodimethylamine
Concen: 39.718 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

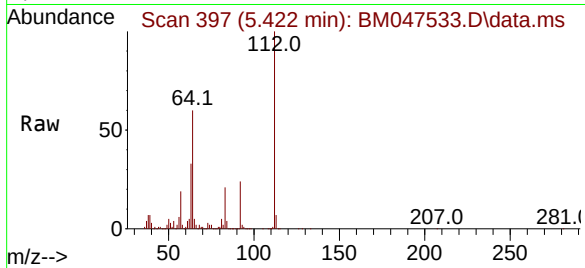
Tgt Ion: 42 Resp: 566596
Ion Ratio Lower Upper
42 100
74 125.7 100.5 150.7
44 8.8 6.9 10.3





#5
2-Fluorophenol
Concen: 79.754 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

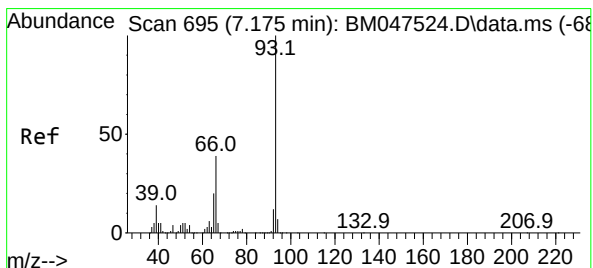
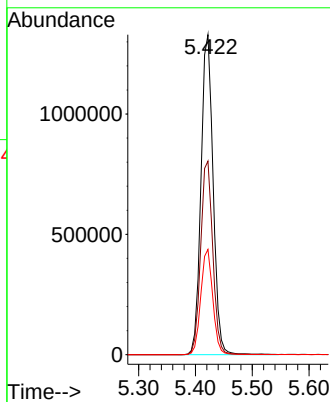
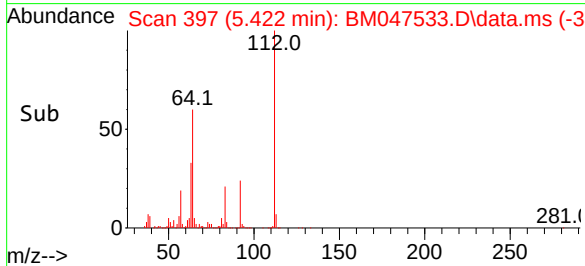
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 112 Resp: 1966829
Ion Ratio Lower Upper
112 100
64 60.5 48.2 72.4
63 32.9 26.0 39.0

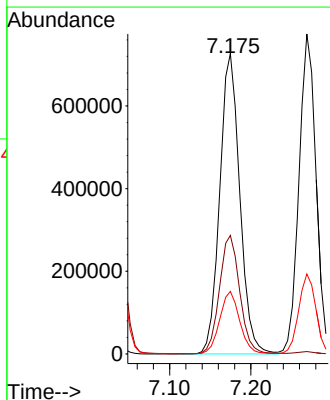
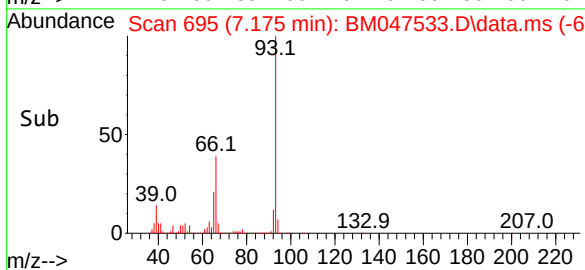
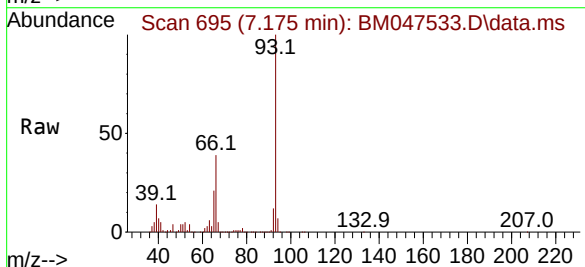
Manual Integrations
APPROVED

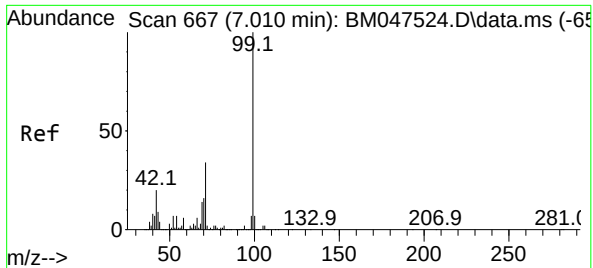
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#6
Aniline
Concen: 40.518 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 93 Resp: 1247553
Ion Ratio Lower Upper
93 100
66 39.4 31.4 47.0
65 20.8 16.3 24.5





#7
Phenol-d6
Concen: 81.134 ng
RT: 7.010 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

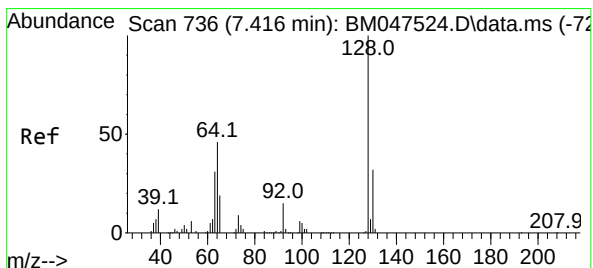
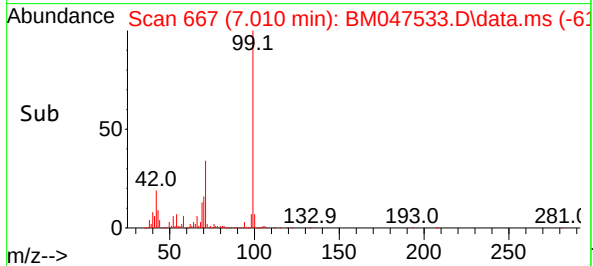
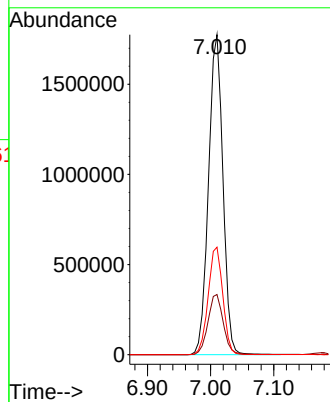
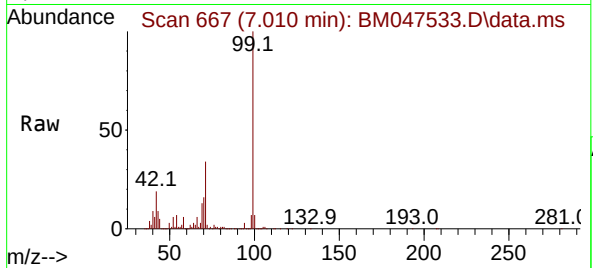
SSTDCCC040

Tgt Ion: 99 Resp: 2817750
Ion Ratio Lower Upper
99 100
42 18.8 15.8 23.8
71 33.6 27.6 41.4

Manual Integrations

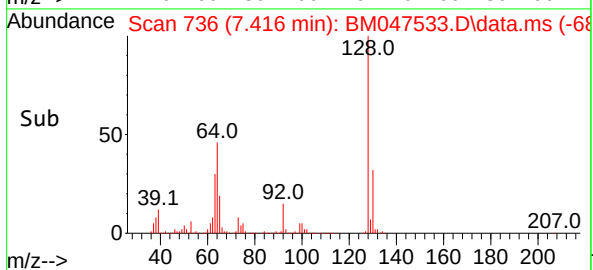
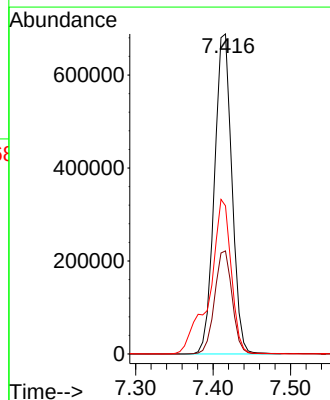
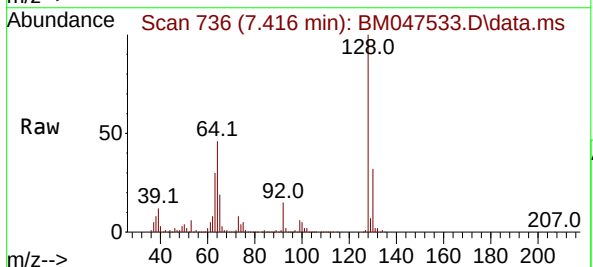
APPROVED

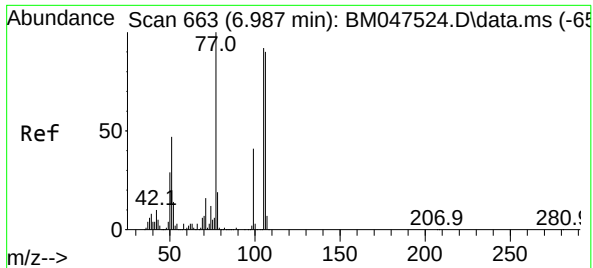
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#8
2-Chlorophenol
Concen: 39.781 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:128 Resp: 1081491
Ion Ratio Lower Upper
128 100
130 32.2 11.8 51.8
64 46.3 27.6 67.6





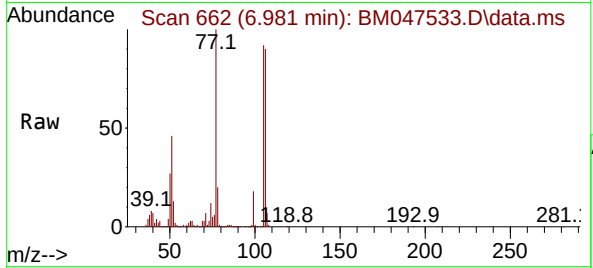
#9
Benzaldehyde
Concen: 37.547 ng
RT: 6.981 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



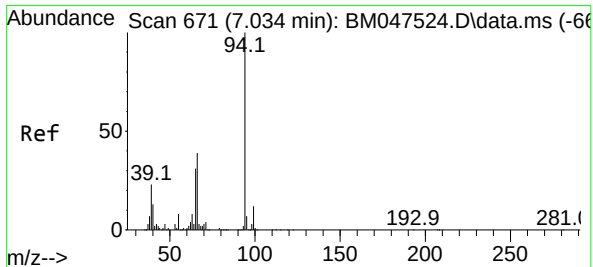
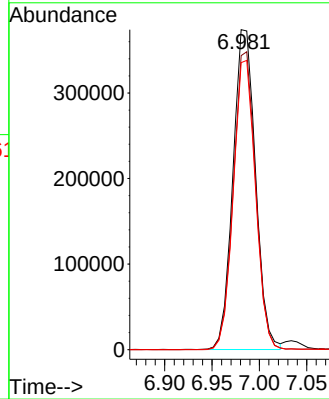
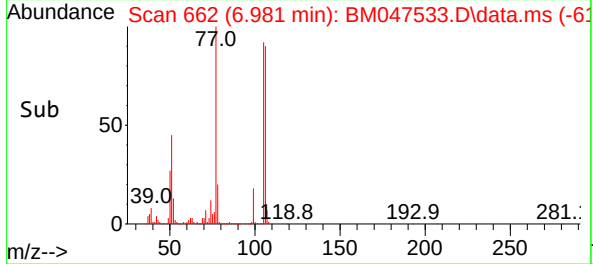
Tgt Ion: 77 Resp: 62003
Ion Ratio Lower Upper
77 100
105 91.9 71.8 111.8
106 89.7 69.7 109.7

Manual Integrations

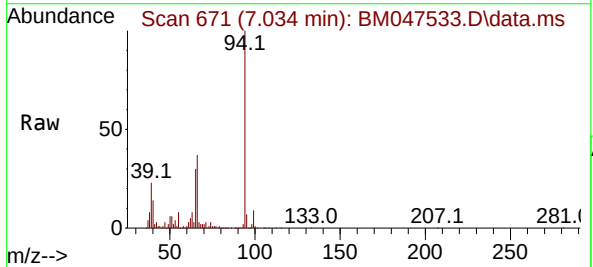
APPROVED

Reviewed By :Yogesh Patel 09/17/2024

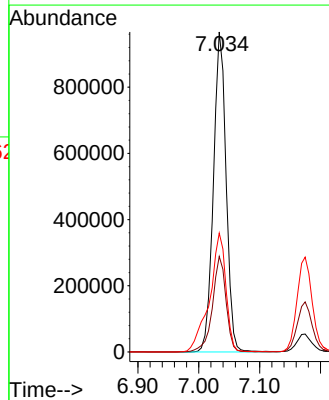
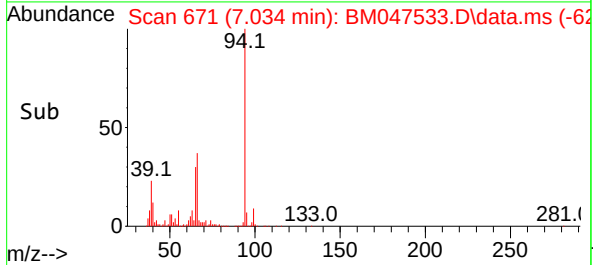
Supervised By :mohammad ahmed 09/17/2024

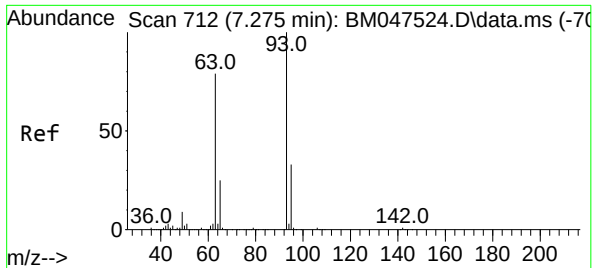


#10
Phenol
Concen: 40.304 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



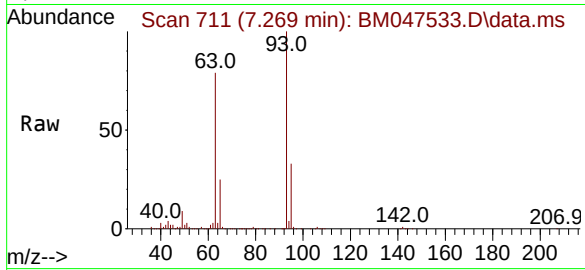
Tgt Ion: 94 Resp: 1401549
Ion Ratio Lower Upper
94 100
65 29.9 10.8 50.8
66 37.2 19.2 59.2





#11
bis(2-Chloroethyl)ether
Concen: 40.460 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

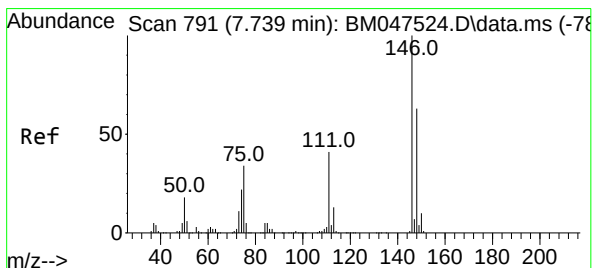
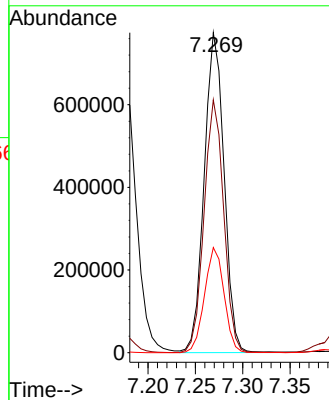
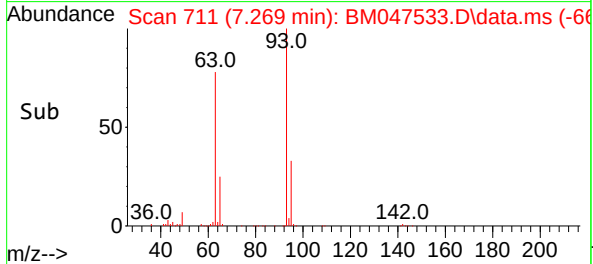
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 93 Resp: 112956
Ion Ratio Lower Upper
93 100
63 79.0 58.2 98.2
95 32.8 12.8 52.8

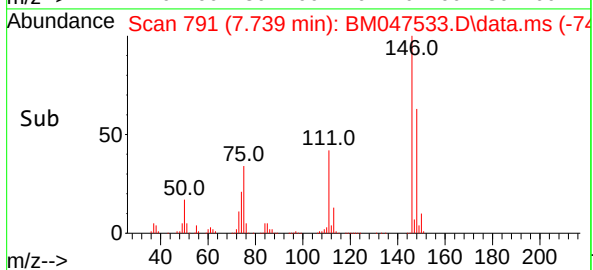
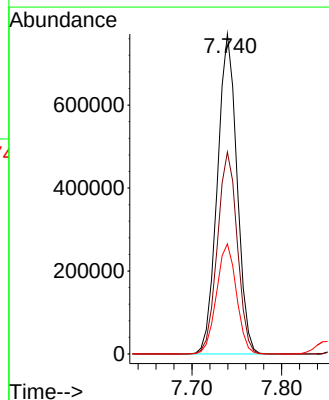
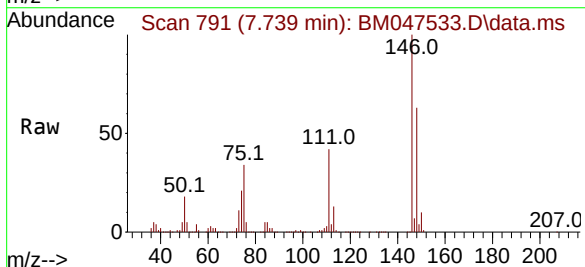
Manual Integrations
APPROVED

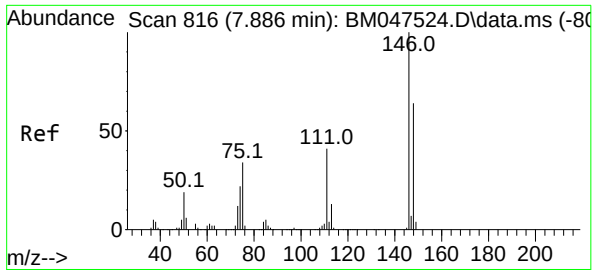
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#12
1,3-Dichlorobenzene
Concen: 39.313 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:146 Resp: 1169839
Ion Ratio Lower Upper
146 100
148 63.1 50.2 75.4
75 34.4 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 39.231 ng

RT: 7.887 min Scan# 816

Delta R.T. 0.000 min

Lab File: BM047533.D

Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 1189020

Ion Ratio Lower Upper

146 100

148 64.6 51.3 76.9

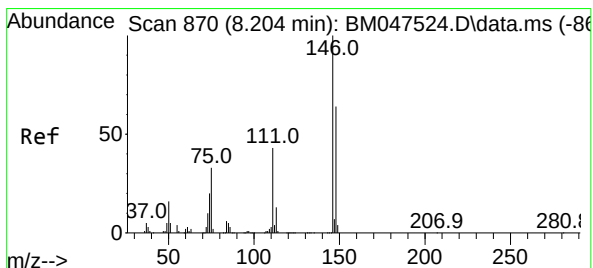
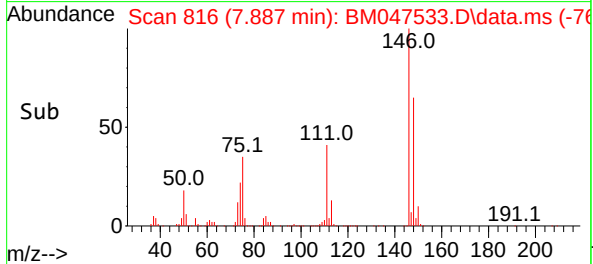
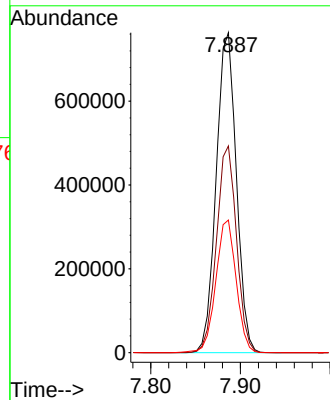
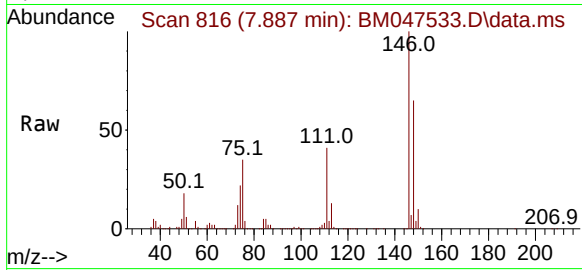
111 41.5 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/17/2024



#14

1,2-Dichlorobenzene

Concen: 39.346 ng

RT: 8.204 min Scan# 870

Delta R.T. 0.000 min

Lab File: BM047533.D

Acq: 16 Sep 2024 10:16

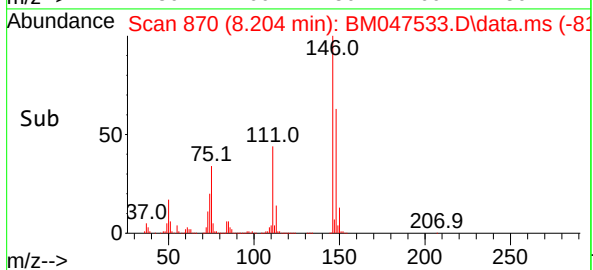
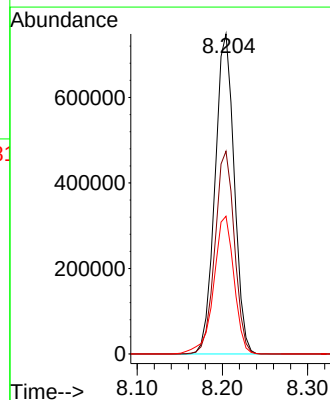
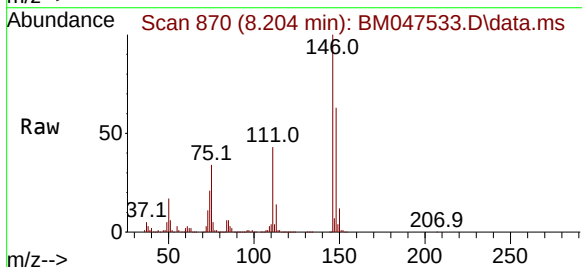
Tgt Ion:146 Resp: 1173597

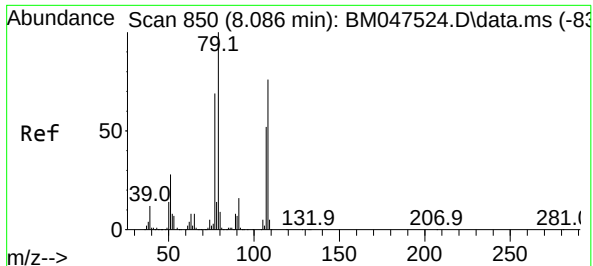
Ion Ratio Lower Upper

146 100

148 63.4 51.1 76.7

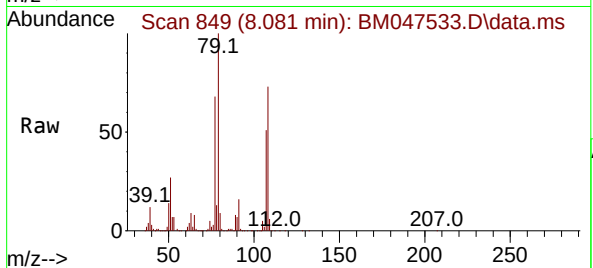
111 43.0 34.7 52.1





#15
Benzyl Alcohol
Concen: 40.082 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

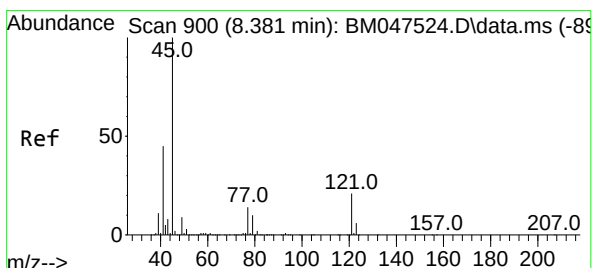
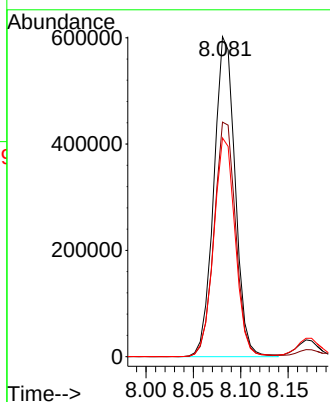
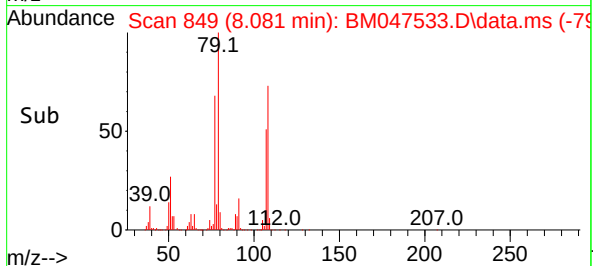
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 942934
Ion Ratio Lower Upper
79 100
108 73.3 60.6 91.0
77 68.4 55.0 82.4

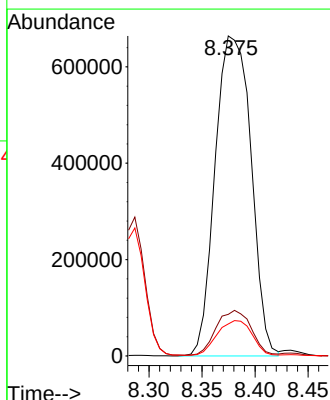
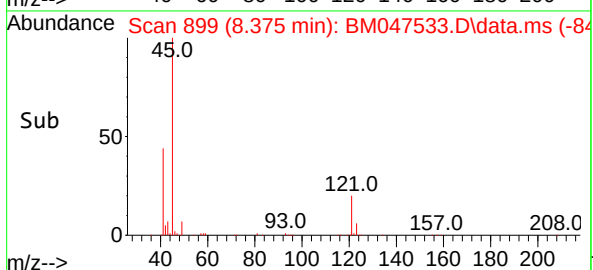
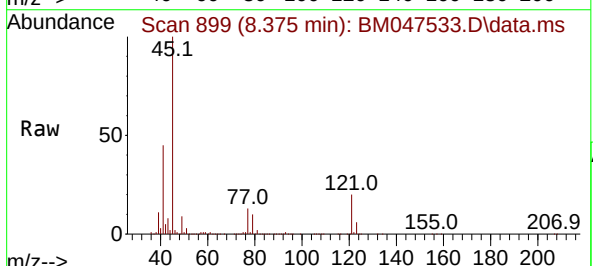
Manual Integrations
APPROVED

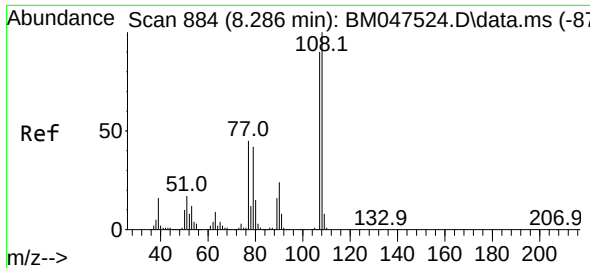
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.838 ng m
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 45 Resp: 1564489
Ion Ratio Lower Upper
45 100
77 13.0 0.0 33.7
79 10.0 0.0 30.3





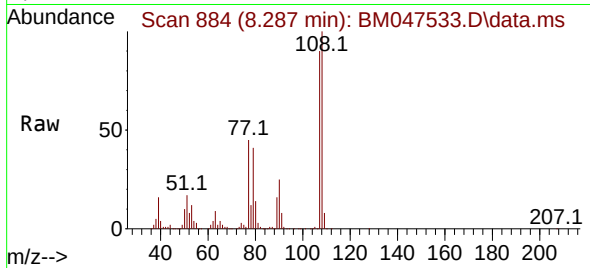
#17
2-Methylphenol
Concen: 40.301 ng
RT: 8.287 min Scan# 884
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



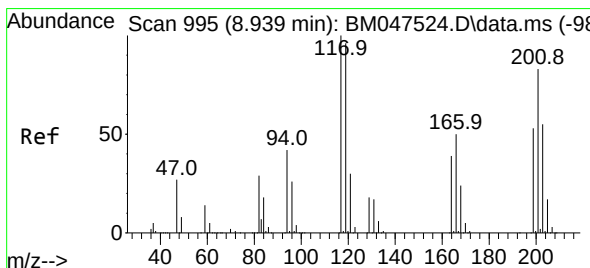
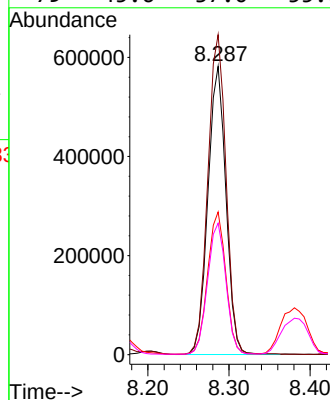
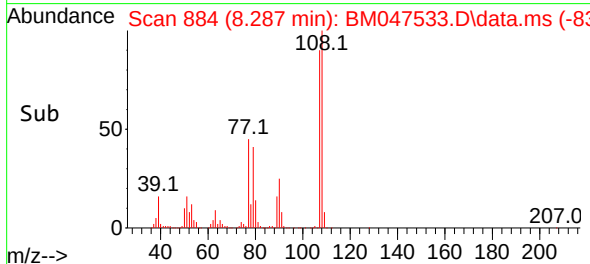
Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.0	88.9	133.3
77	49.5	39.8	59.8
79	45.6	37.0	55.6

Manual Integrations

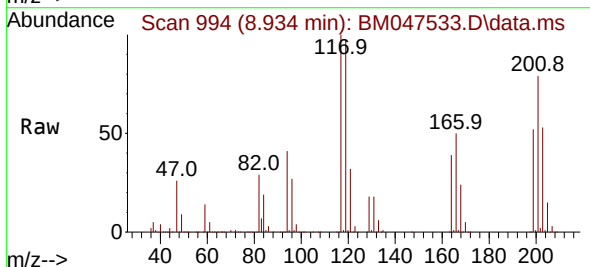
APPROVED

Reviewed By :Yogesh Patel 09/17/2024

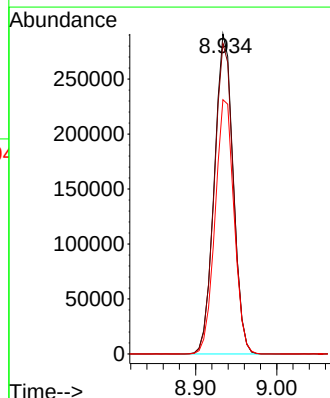
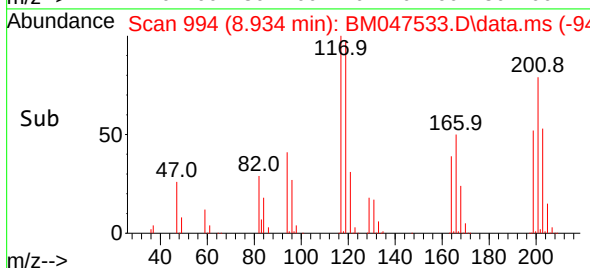
Supervised By :mohammad ahmed 09/17/2024

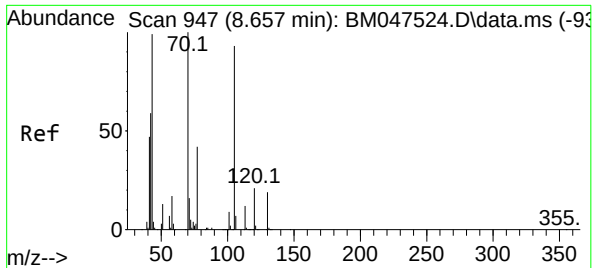


#18
Hexachloroethane
Concen: 38.895 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



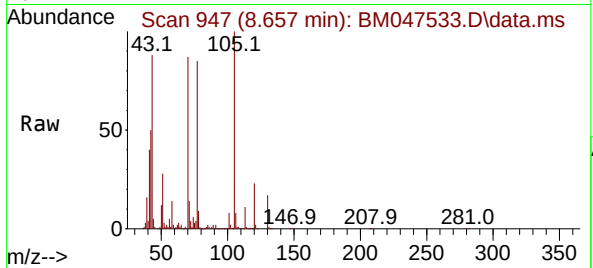
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.4
201	79.4	66.8	100.2





#19
n-Nitroso-di-n-propylamine
Concen: 41.470 ng
RT: 8.657 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

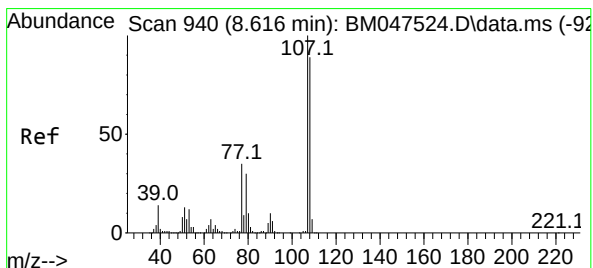
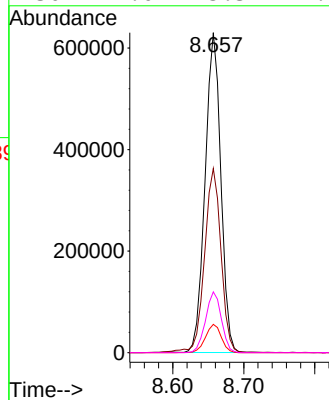
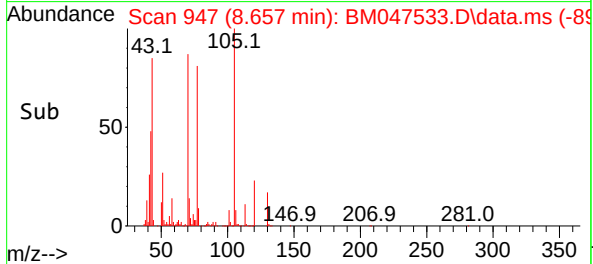
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 70 Resp: 97104
Ion Ratio Lower Upper
70 100
42 57.5 48.2 72.2
101 8.9 7.0 10.4
130 19.0 15.3 22.9

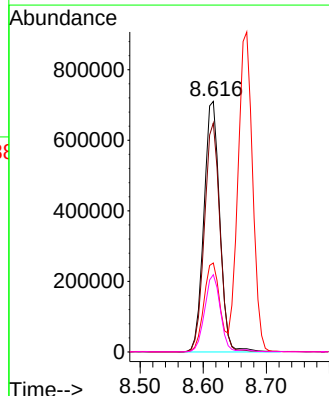
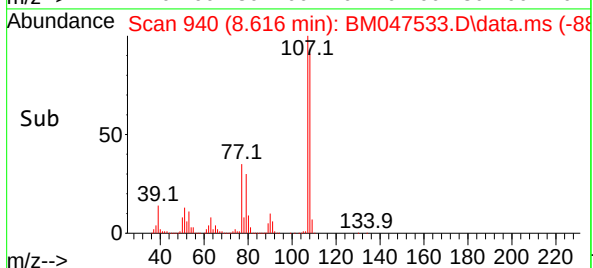
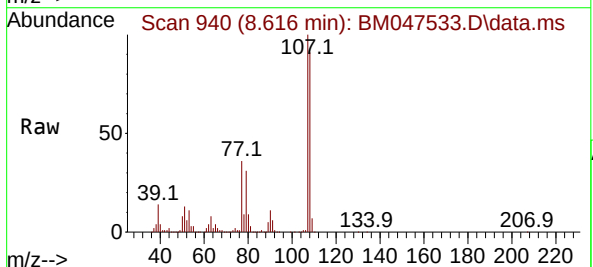
Manual Integrations
APPROVED

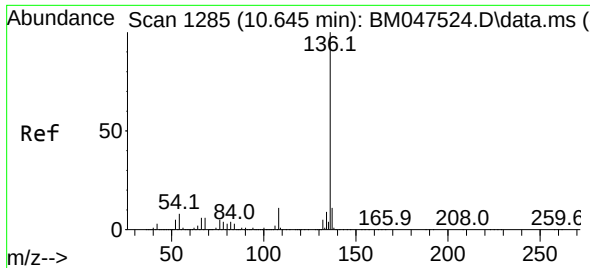
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#20
3+4-Methylphenols
Concen: 39.944 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

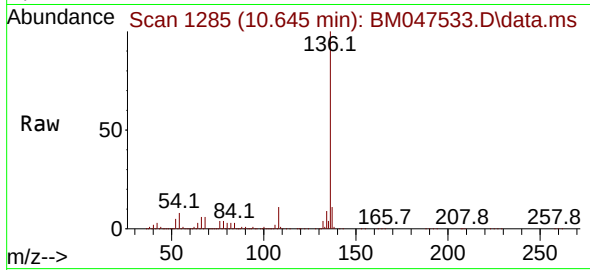
Tgt Ion:107 Resp: 1238167
Ion Ratio Lower Upper
107 100
108 91.4 68.9 108.9
77 35.5 15.5 55.5
79 30.8 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

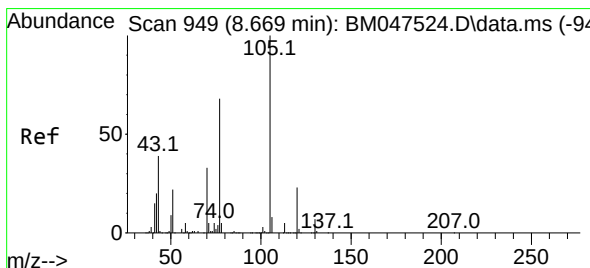
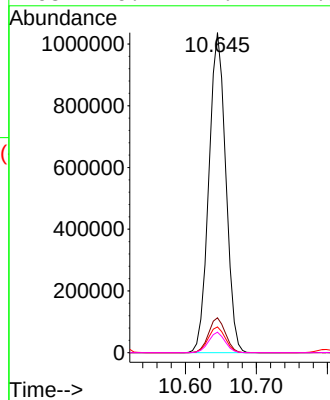
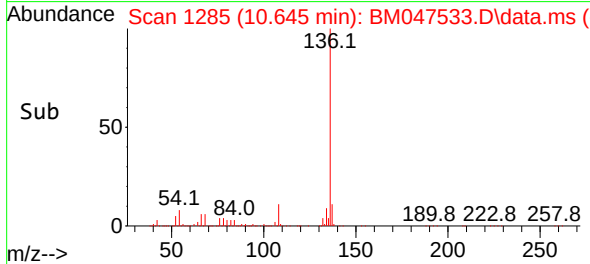
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:136 Resp: 171335
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.1 6.6 9.8
68 6.4 4.9 7.3

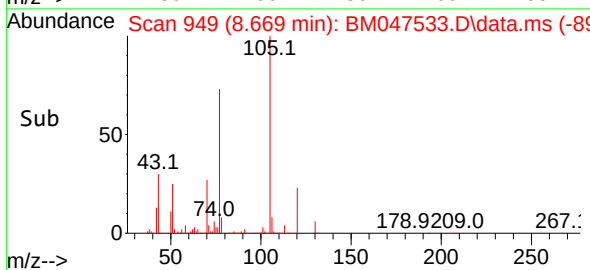
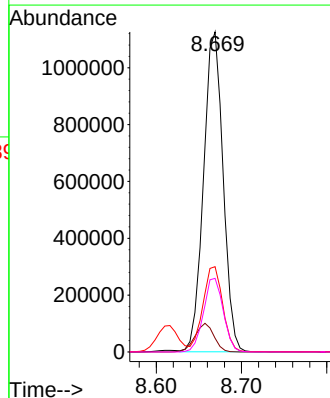
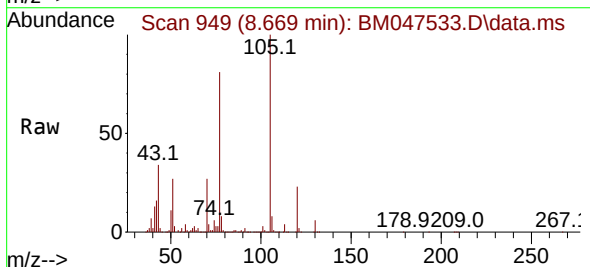
Manual Integrations
APPROVED

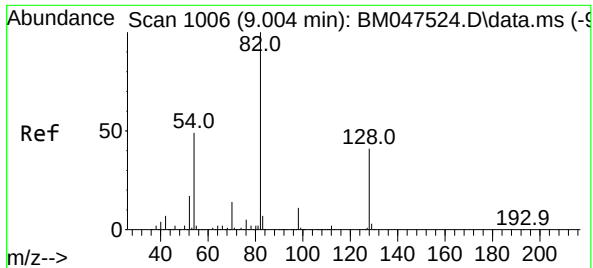
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#22
Acetophenone
Concen: 39.840 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

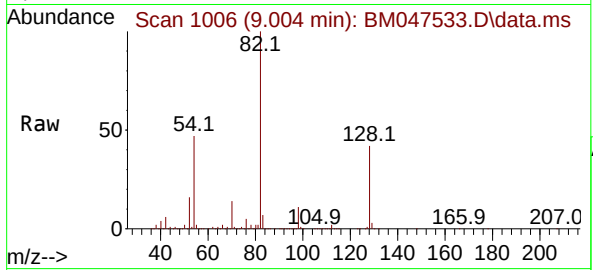
Tgt Ion:105 Resp: 1794602
Ion Ratio Lower Upper
105 100
71 4.3 4.3 6.5#
51 26.7 21.5 32.3
120 23.0 18.6 28.0





#23
Nitrobenzene-d5
Concen: 81.114 ng
RT: 9.004 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

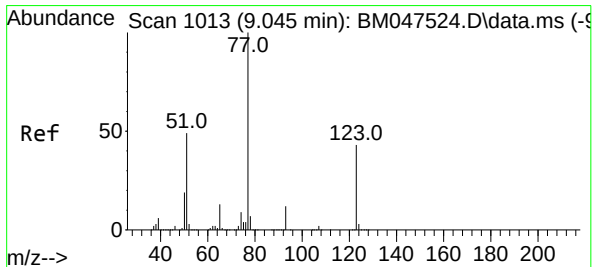
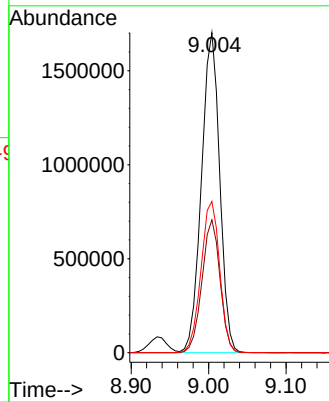
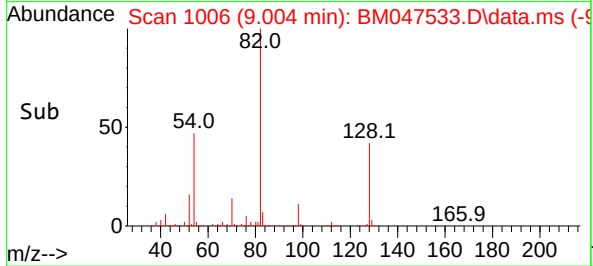
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 82 Resp: 2776970
Ion Ratio Lower Upper
82 100
128 41.5 33.0 49.4
54 47.3 39.3 58.9

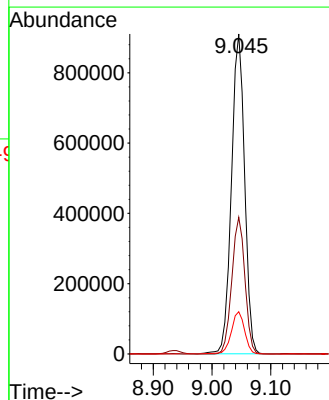
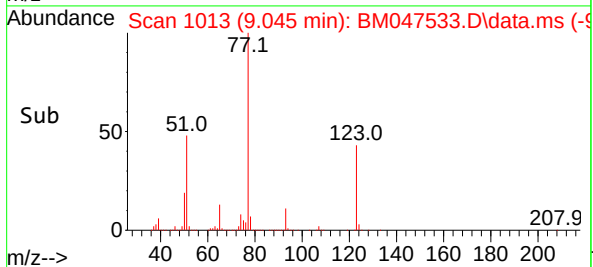
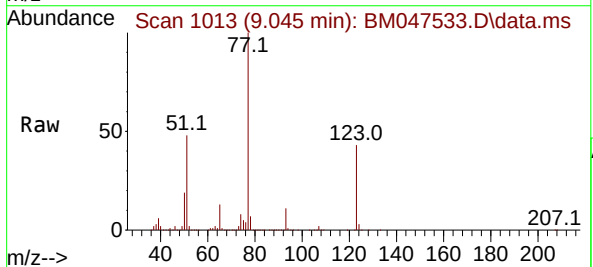
Manual Integrations
APPROVED

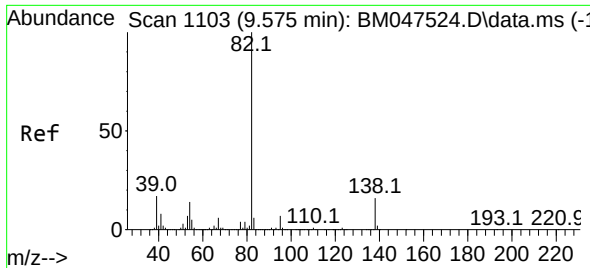
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#24
Nitrobenzene
Concen: 40.197 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 77 Resp: 1414113
Ion Ratio Lower Upper
77 100
123 42.7 34.5 51.7
65 13.2 10.7 16.1





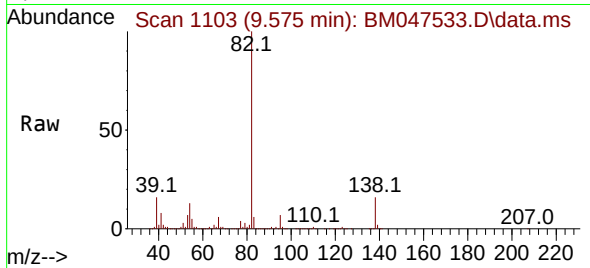
#25
Isophorone
Concen: 40.635 ng
RT: 9.575 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

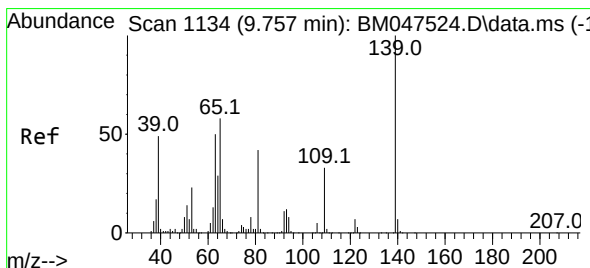
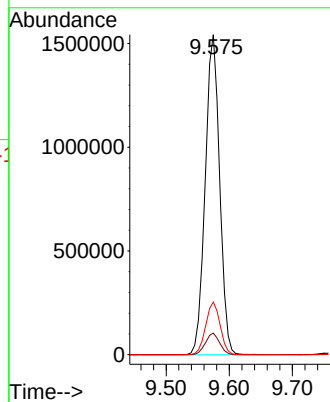
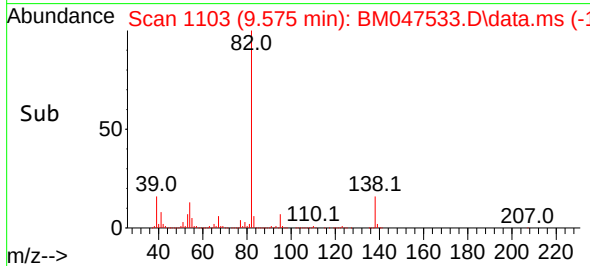


Tgt Ion: 82 Resp: 244574
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 16.4 12.9 19.3

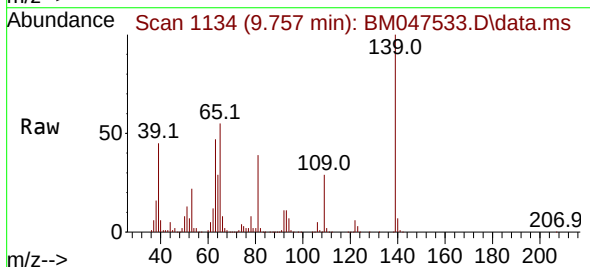
Manual Integrations

APPROVED

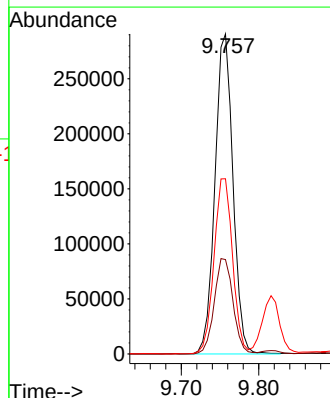
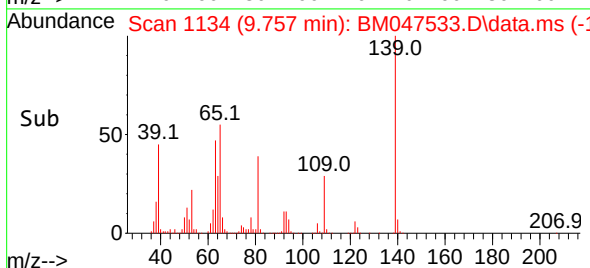
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

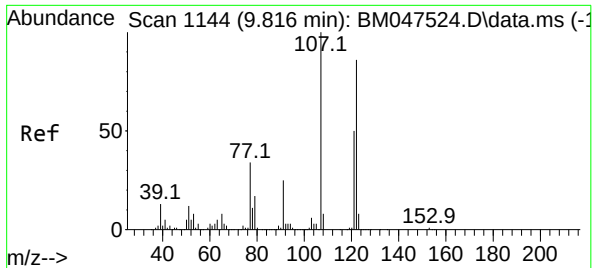


#26
2-Nitrophenol
Concen: 39.105 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



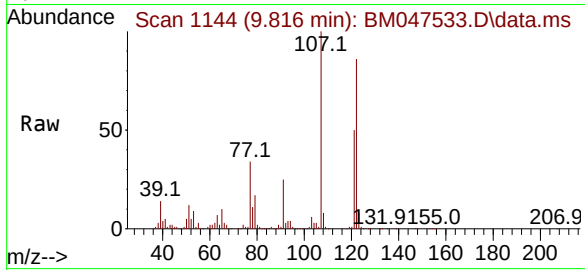
Tgt Ion:139 Resp: 468784
Ion Ratio Lower Upper
139 100
109 29.5 26.0 39.0
65 54.7 46.2 69.4





#27
2,4-Dimethylphenol
Concen: 39.346 ng
RT: 9.816 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

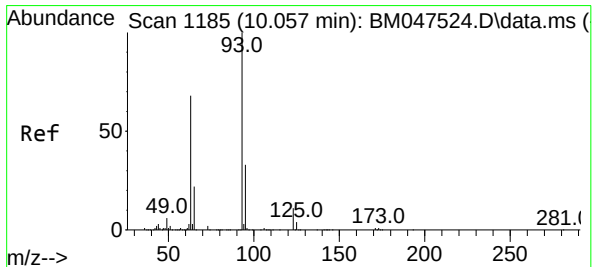
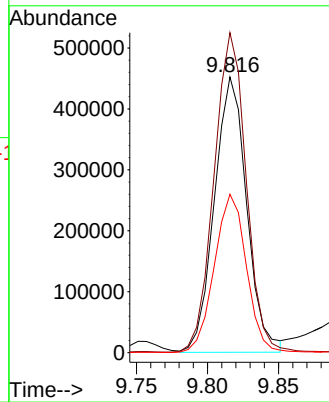
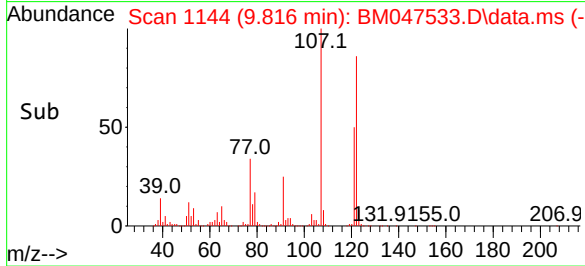
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:122 Resp: 714999
Ion Ratio Lower Upper
122 100
107 116.1 92.4 138.6
121 57.5 46.2 69.4

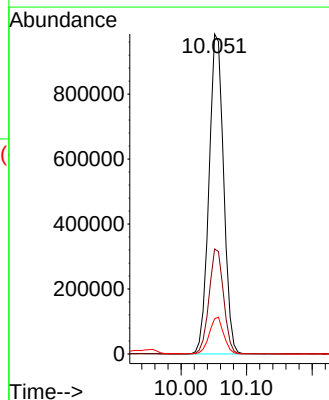
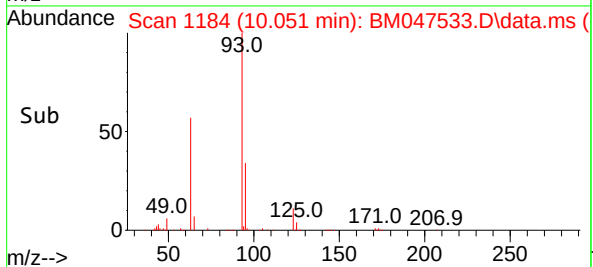
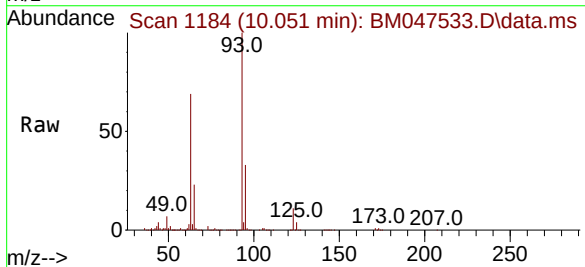
Manual Integrations
APPROVED

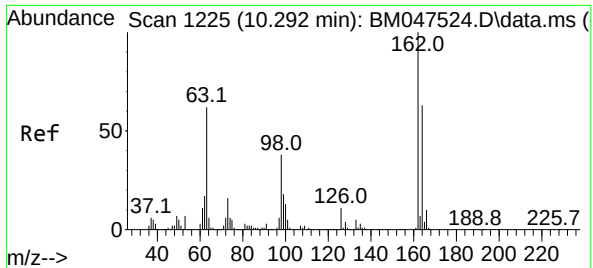
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#28
bis(2-Chloroethoxy)methane
Concen: 40.374 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion: 93 Resp: 1526369
Ion Ratio Lower Upper
93 100
95 32.8 26.2 39.2
123 11.0 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 40.351 ng

RT: 10.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047533.D

Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 931608

Ion Ratio Lower Upper

162 100

164 62.6 43.5 83.5

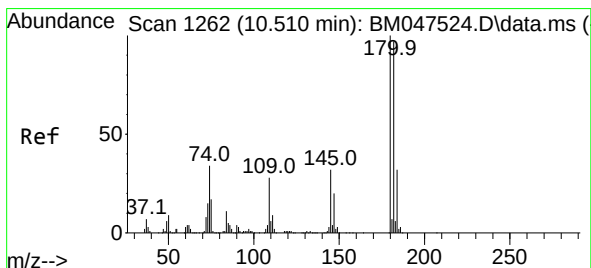
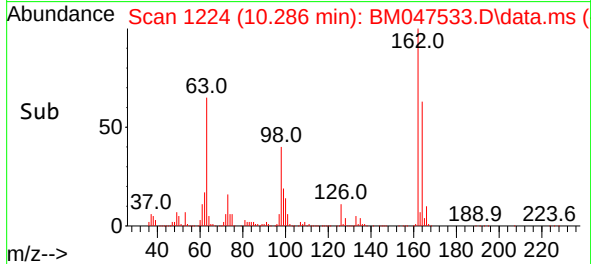
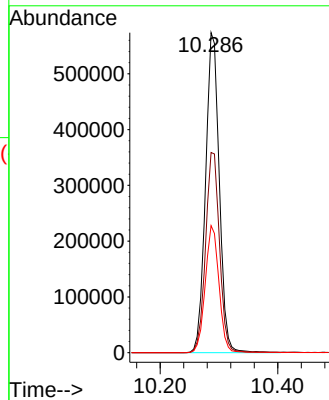
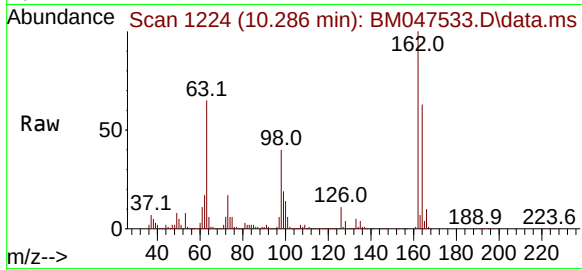
98 39.7 17.6 57.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/17/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.325 ng

RT: 10.510 min Scan# 1262

Delta R.T. 0.000 min

Lab File: BM047533.D

Acq: 16 Sep 2024 10:16

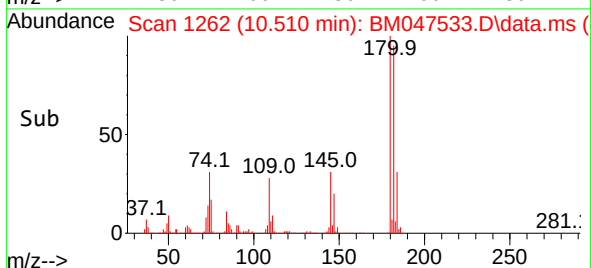
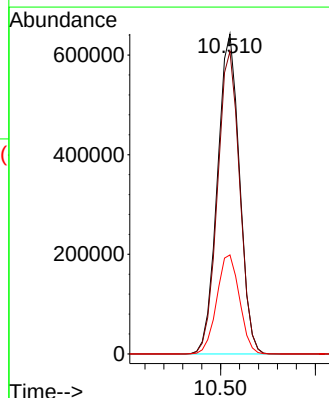
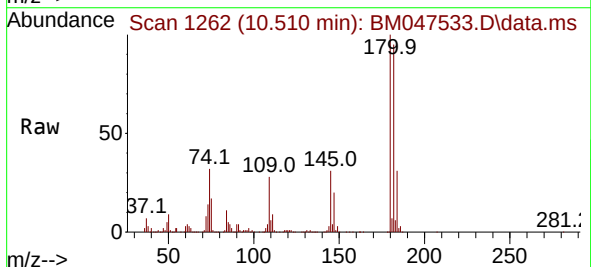
Tgt Ion:180 Resp: 1039982

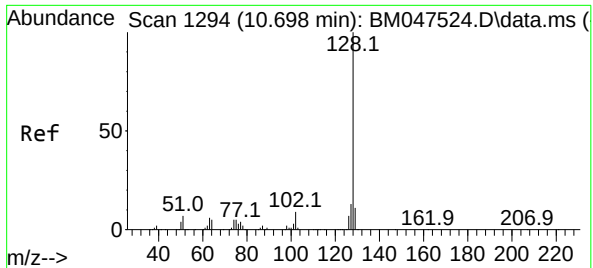
Ion Ratio Lower Upper

180 100

182 94.5 77.6 116.4

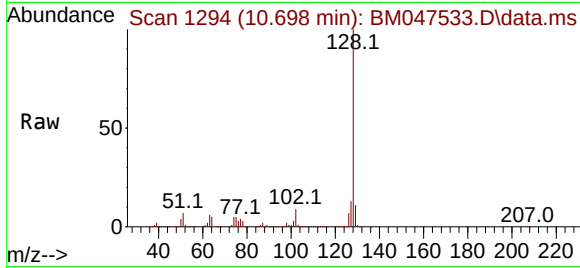
145 30.9 25.4 38.0





#31
Naphthalene
Concen: 39.680 ng
RT: 10.698 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

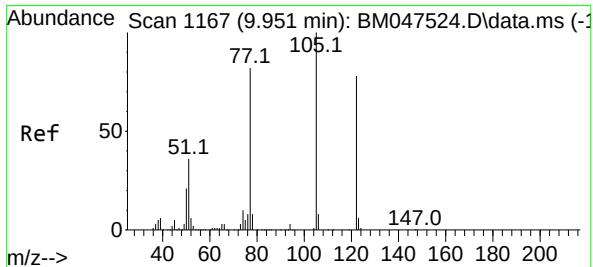
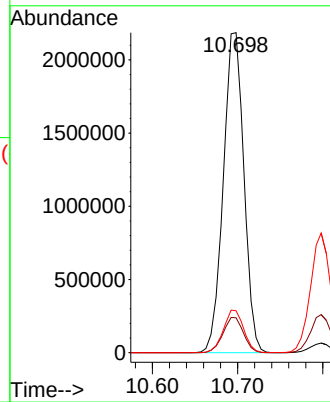
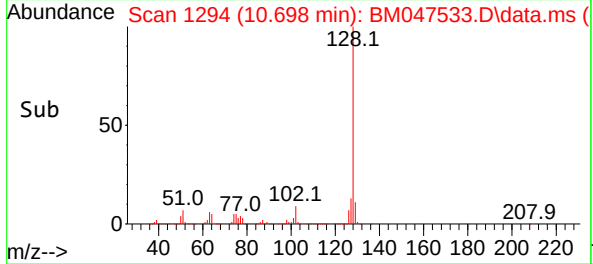
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 367174
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.1 10.5 15.7

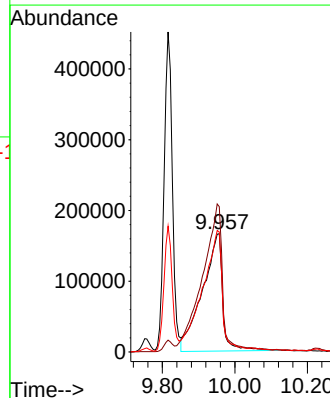
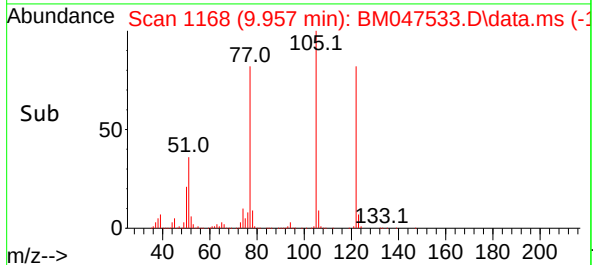
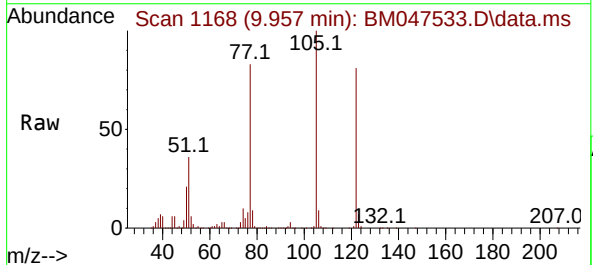
Manual Integrations
APPROVED

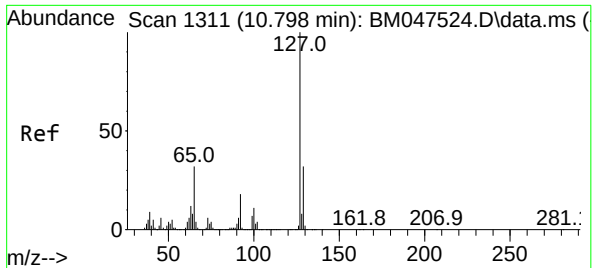
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#32
Benzoic acid
Concen: 37.431 ng
RT: 9.957 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

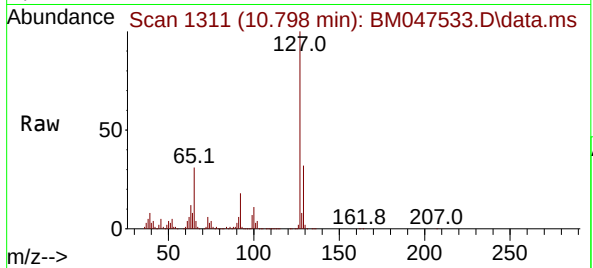
Tgt Ion:122 Resp: 639811
Ion Ratio Lower Upper
122 100
105 122.9 104.7 144.7
77 101.4 83.4 123.4





#33
4-Chloroaniline
Concen: 40.562 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

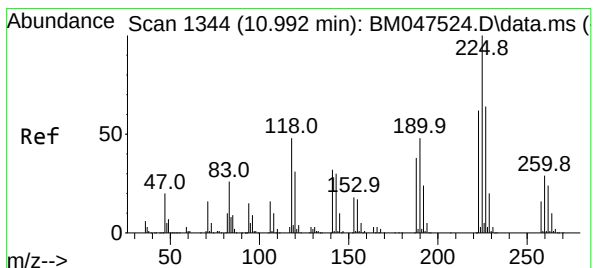
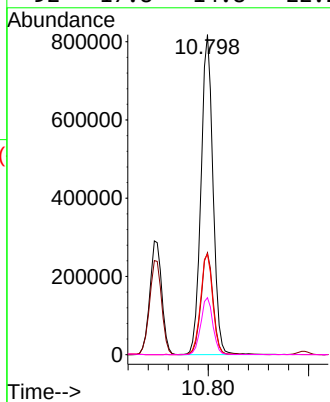
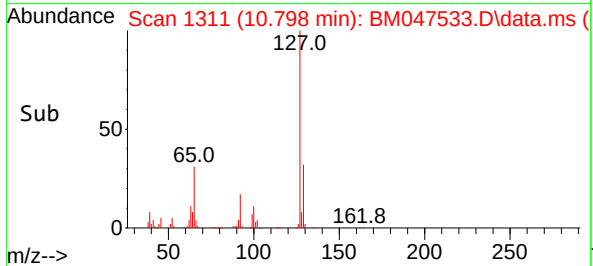
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:127 Resp: 1357054
Ion Ratio Lower Upper
127 100
129 31.9 25.4 38.0
65 31.4 25.5 38.3
92 17.8 14.8 22.2

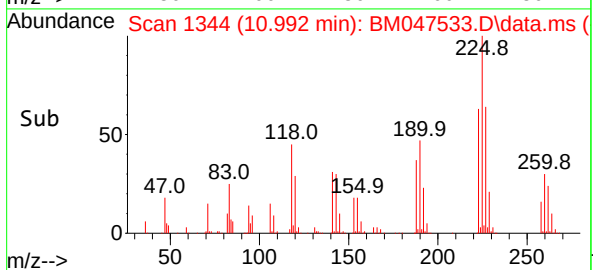
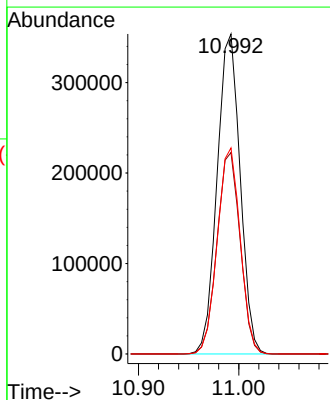
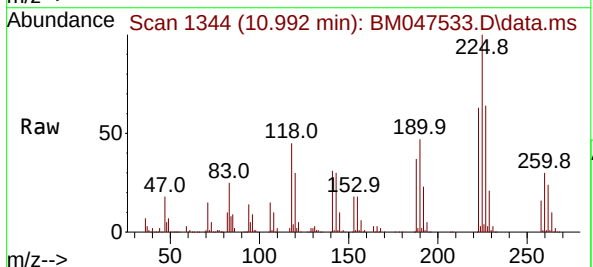
Manual Integrations
APPROVED

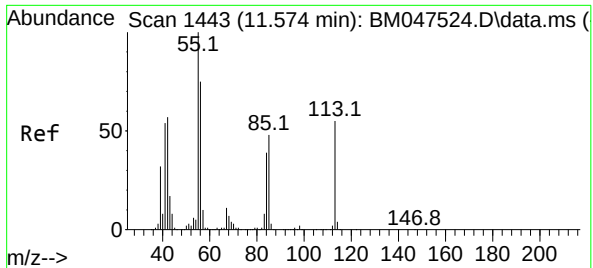
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#34
Hexachlorobutadiene
Concen: 38.483 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

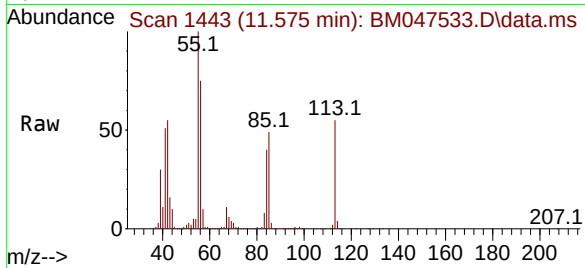
Tgt Ion:225 Resp: 563700
Ion Ratio Lower Upper
225 100
223 62.9 49.8 74.6
227 64.4 51.0 76.4





#35
Caprolactam
Concen: 43.526 ng
RT: 11.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

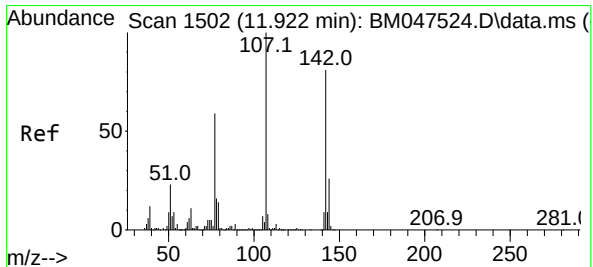
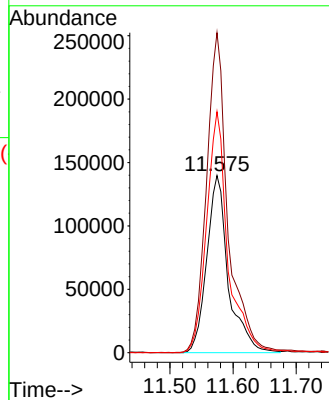
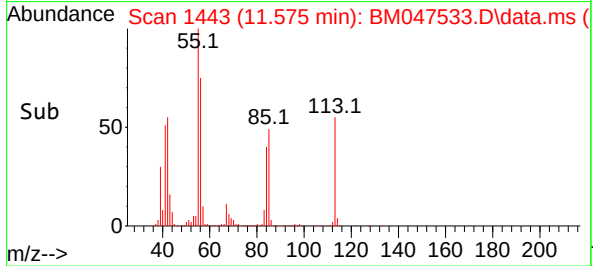
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



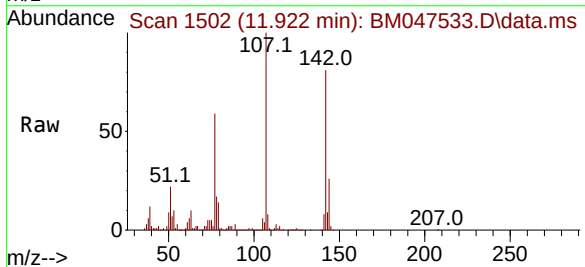
Tgt Ion:113 Resp: 330988
Ion Ratio Lower Upper
113 100
55 180.6 162.5 202.5
56 136.0 116.5 156.5

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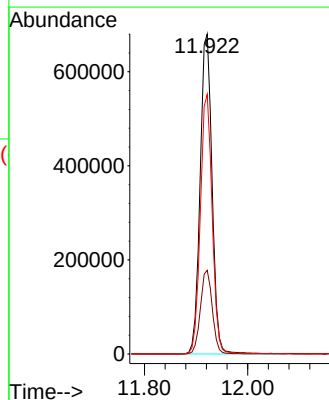
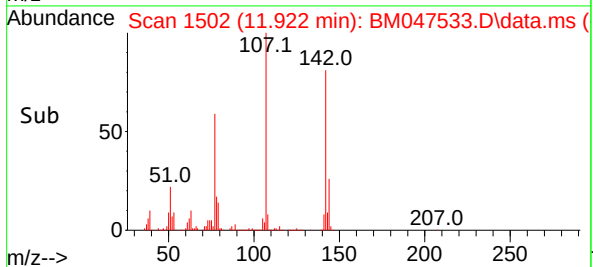
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

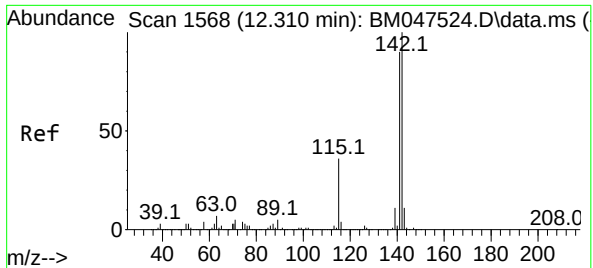


#36
4-Chloro-3-methylphenol
Concen: 41.231 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



Tgt Ion:107 Resp: 1090907
Ion Ratio Lower Upper
107 100
144 26.2 20.5 30.7
142 81.2 65.0 97.4





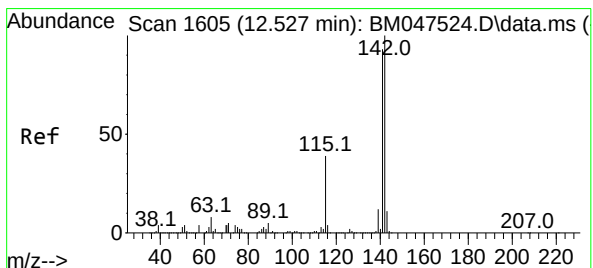
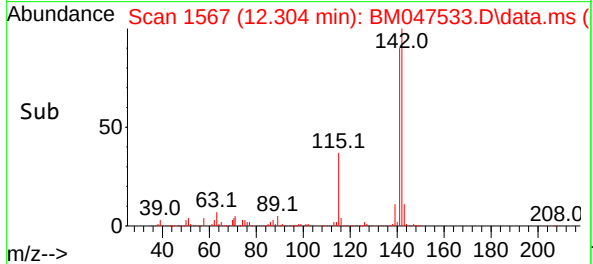
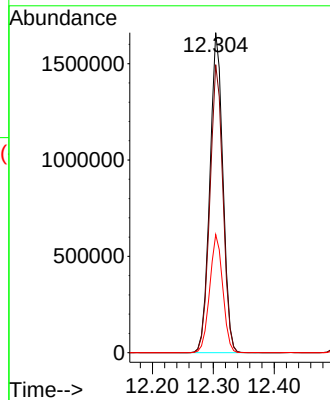
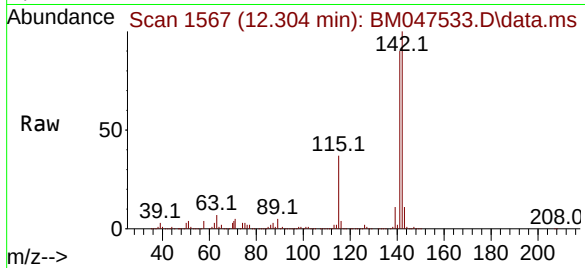
#37
2-Methylnaphthalene
Concen: 40.201 ng
RT: 12.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 247586
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.4
115 36.9 29.1 43.7

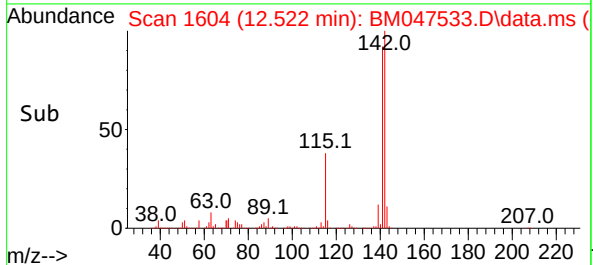
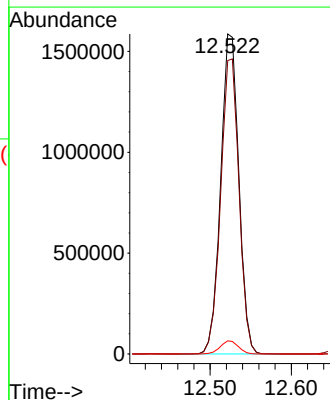
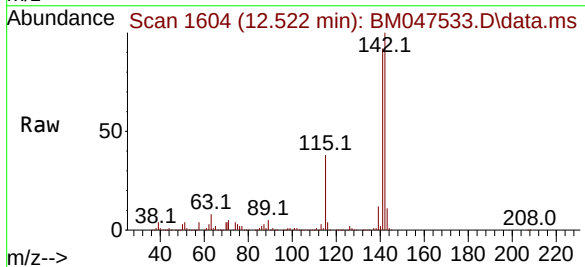
Manual Integrations
APPROVED

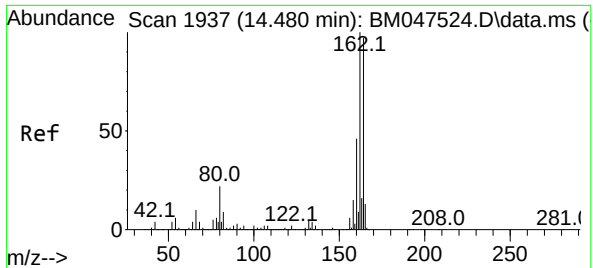
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#38
1-Methylnaphthalene
Concen: 40.320 ng
RT: 12.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

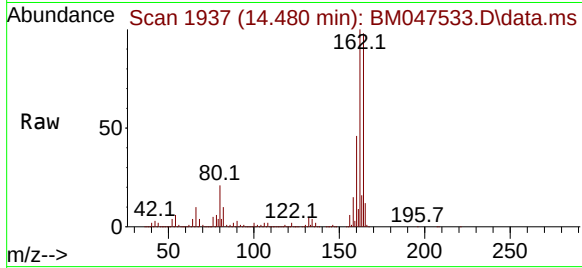
Tgt Ion:142 Resp: 2467751
Ion Ratio Lower Upper
142 100
141 91.7 74.7 112.1
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

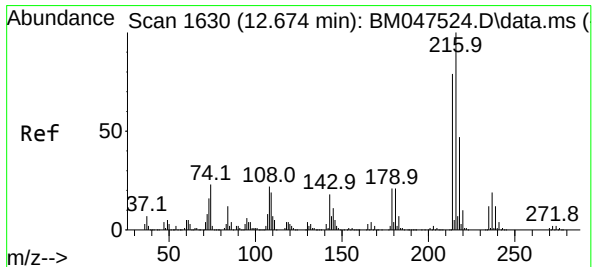
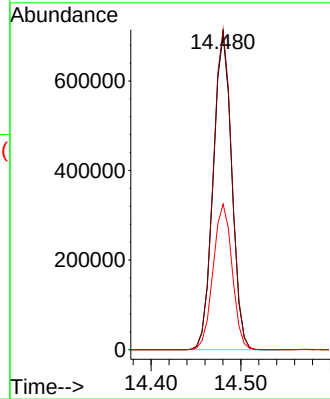
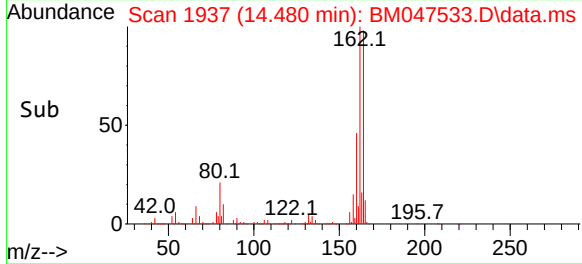
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:164 Resp: 101116
Ion Ratio Lower Upper
164 100
162 101.6 82.2 123.2
160 46.2 38.2 57.2

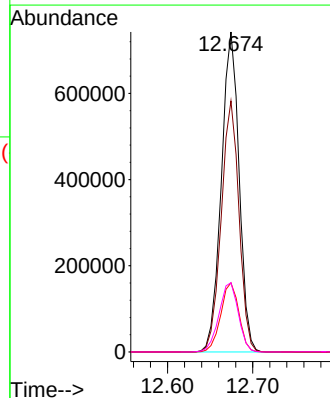
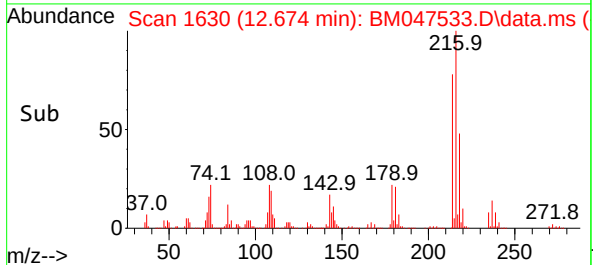
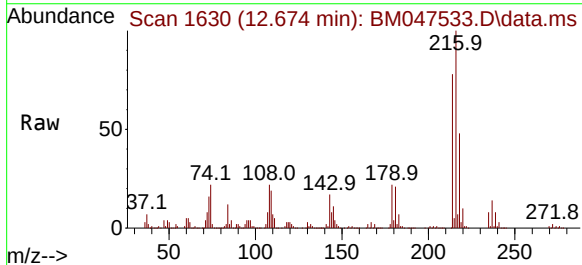
Manual Integrations
APPROVED

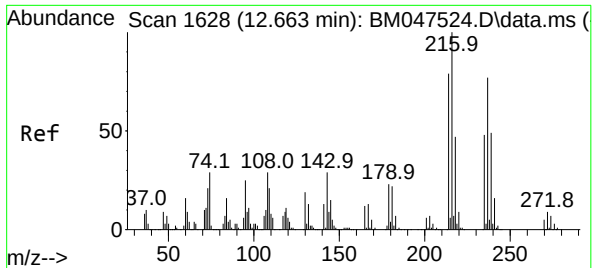
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.334 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

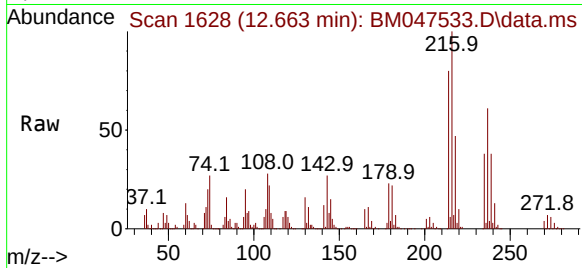
Tgt Ion:216 Resp: 1076240
Ion Ratio Lower Upper
216 100
214 78.4 63.0 94.6
179 22.2 17.5 26.3
108 23.6 18.6 28.0





#41
Hexachlorocyclopentadiene
Concen: 38.172 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

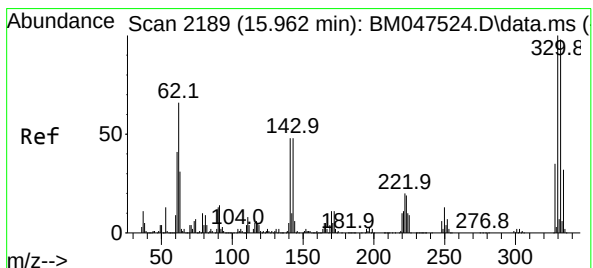
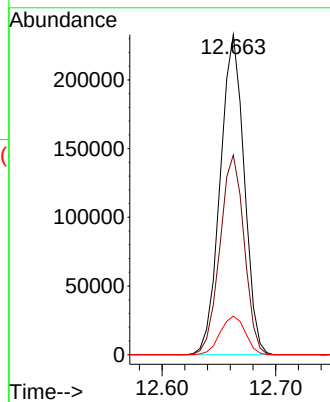
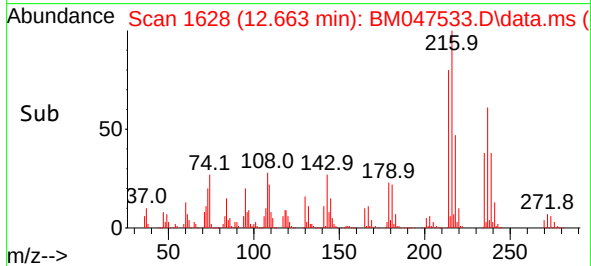
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



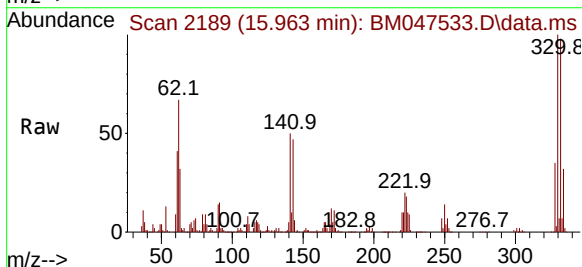
Tgt Ion: 237 Resp: 341444
Ion Ratio Lower Upper
237 100
235 62.4 42.0 82.0
272 12.1 0.0 31.5

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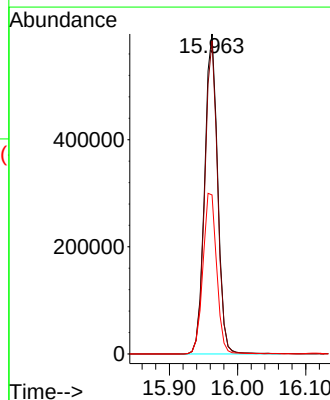
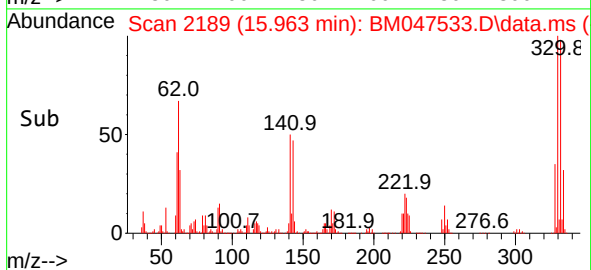
Reviewed By : Yogesh Patel 09/17/2024
Supervised By : mohammad ahmed 09/17/2024

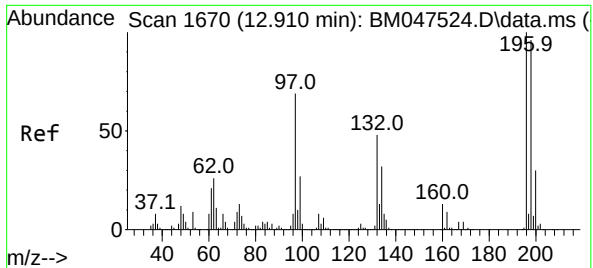


#42
2,4,6-Tribromophenol
Concen: 81.414 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



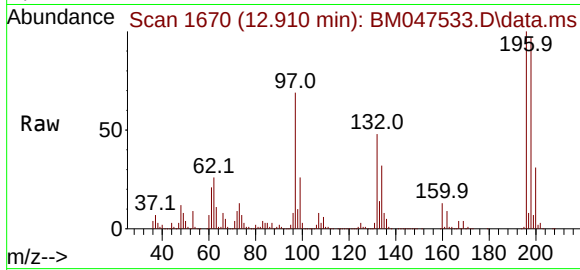
Tgt Ion: 330 Resp: 795722
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 53.0 42.2 63.2





#43
2,4,6-Trichlorophenol
Concen: 40.025 ng
RT: 12.910 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

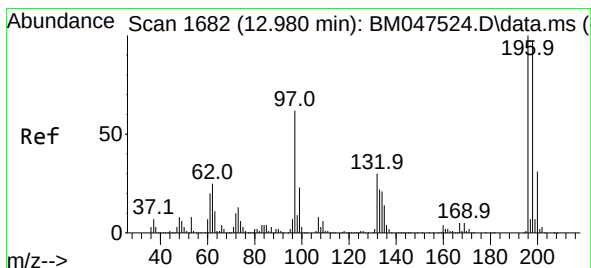
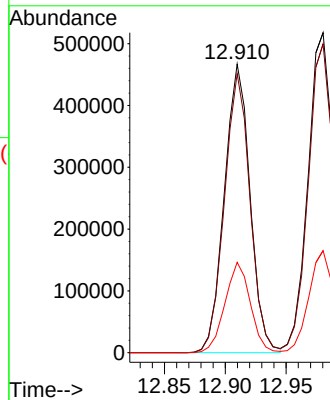
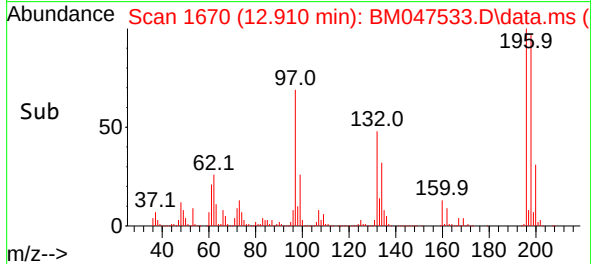
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:196 Resp: 68610
Ion Ratio Lower Upper
196 100
198 96.7 76.9 115.3
200 31.3 24.3 36.5

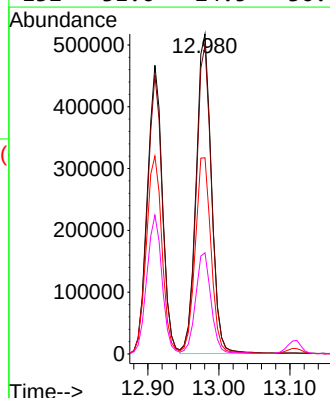
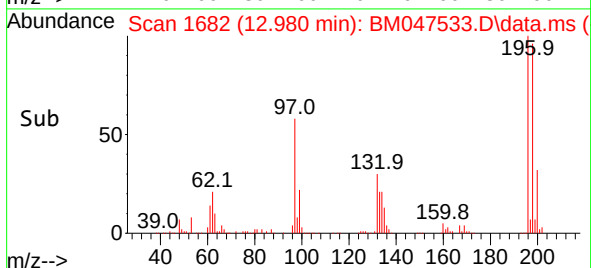
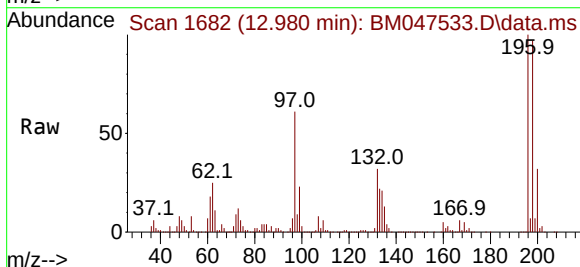
Manual Integrations
APPROVED

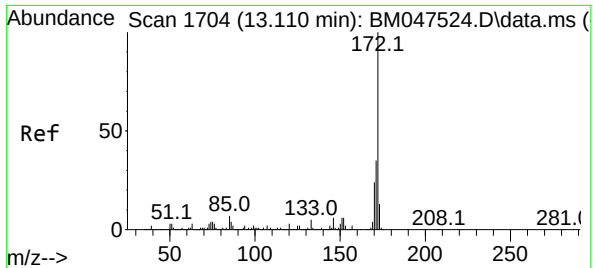
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#44
2,4,5-Trichlorophenol
Concen: 40.261 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

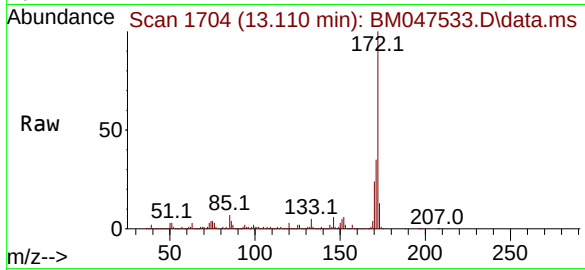
Tgt Ion:196 Resp: 779520
Ion Ratio Lower Upper
196 100
198 96.5 77.4 116.2
97 61.3 49.8 74.8
132 31.6 24.5 36.7





#45
2-Fluorobiphenyl
Concen: 81.679 ng
RT: 13.110 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

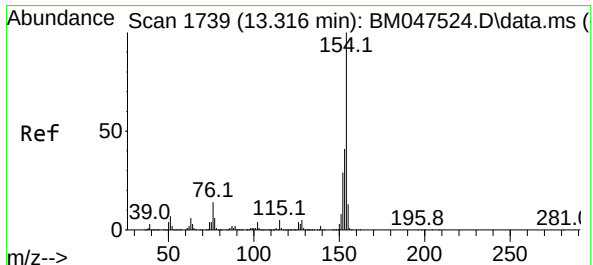
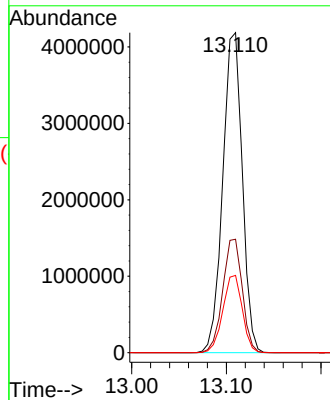
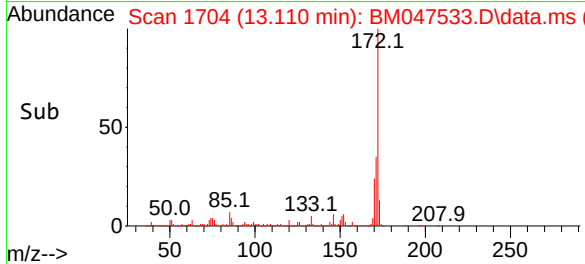
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



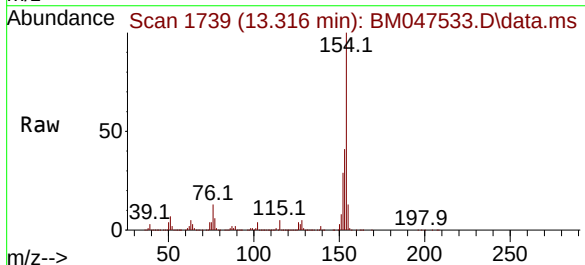
Tgt Ion:172 Resp: 599566
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 24.2 19.4 29.0

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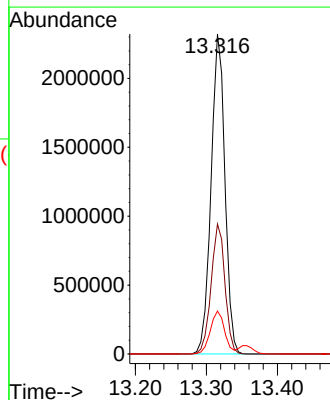
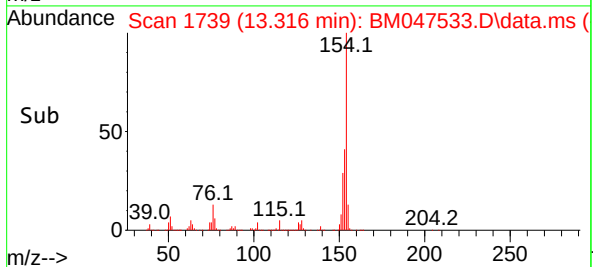
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

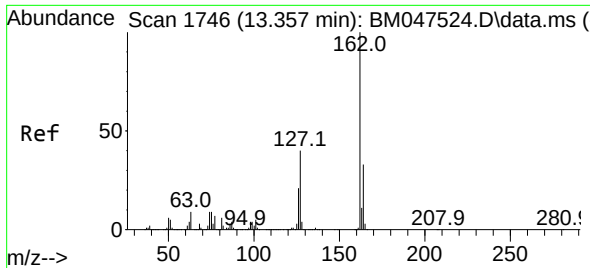


#46
1,1'-Biphenyl
Concen: 39.946 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



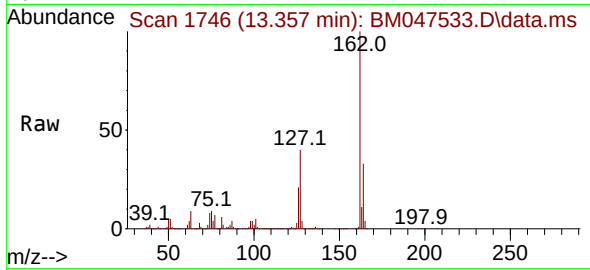
Tgt Ion:154 Resp: 3142735
Ion Ratio Lower Upper
154 100
153 40.6 20.6 60.6
76 13.4 0.0 33.9





#47
2-Chloronaphthalene
Concen: 39.790 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

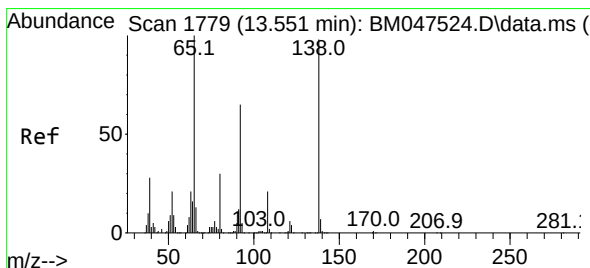
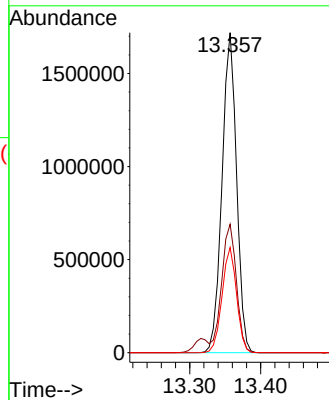
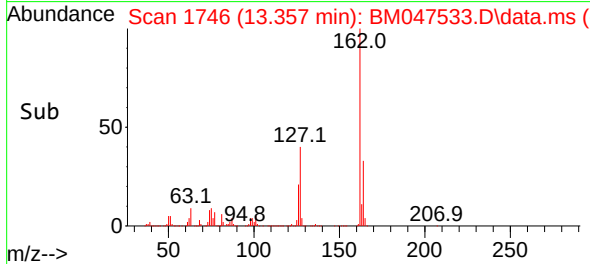
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:162 Resp: 2430739
Ion Ratio Lower Upper
162 100
127 40.2 32.2 48.4
164 32.9 26.3 39.5

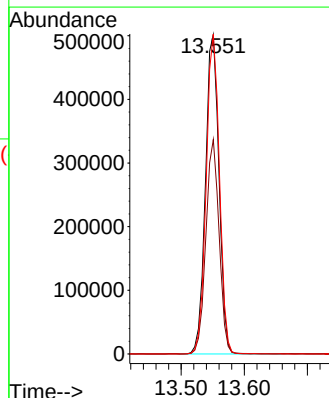
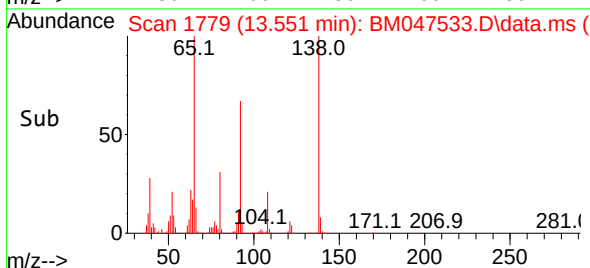
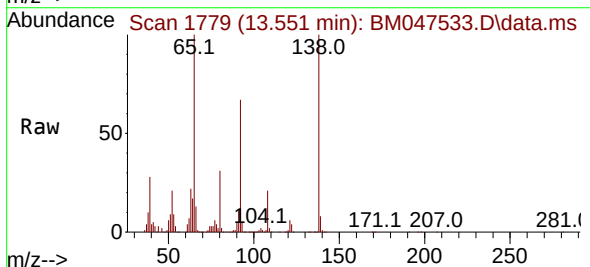
Manual Integrations
APPROVED

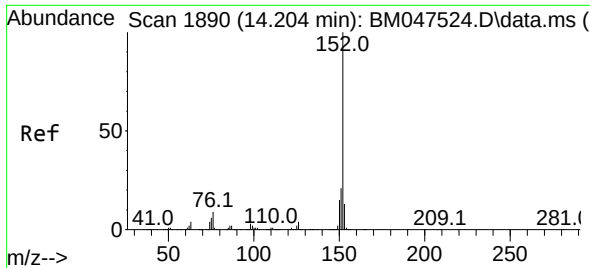
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#48
2-Nitroaniline
Concen: 41.494 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

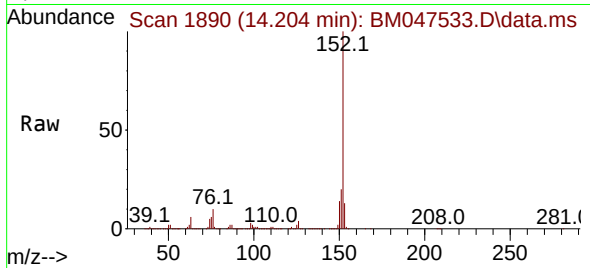
Tgt Ion: 65 Resp: 744520
Ion Ratio Lower Upper
65 100
92 67.2 51.9 77.9
138 100.3 78.5 117.7





#49
Acenaphthylene
Concen: 40.604 ng
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

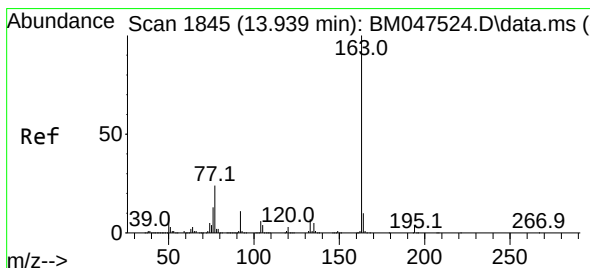
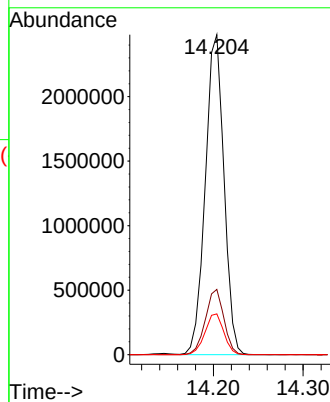
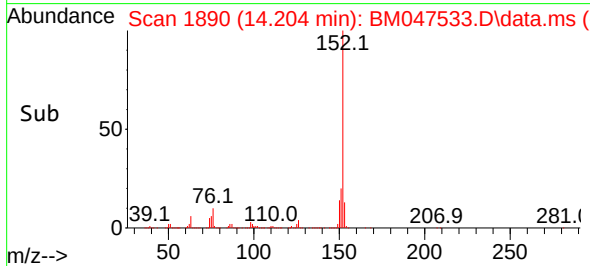
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 3579429
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7
153 12.8 10.4 15.6

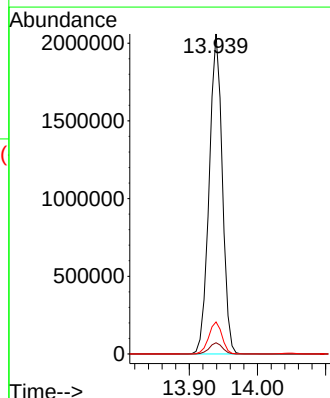
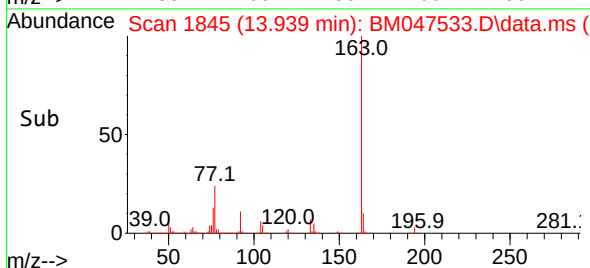
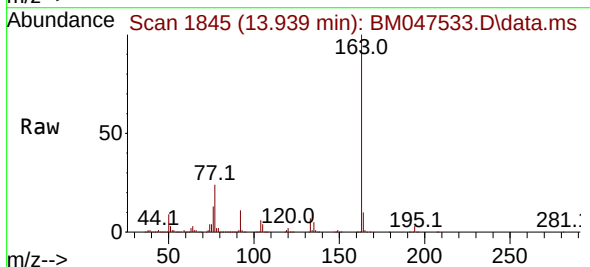
Manual Integrations
APPROVED

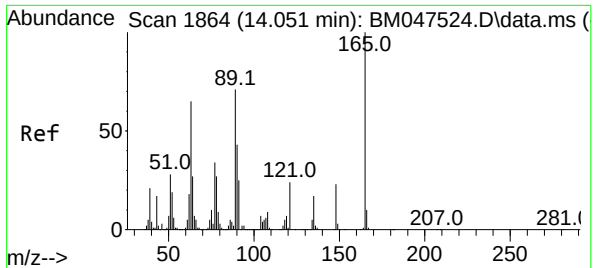
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#50
Dimethylphthalate
Concen: 39.962 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

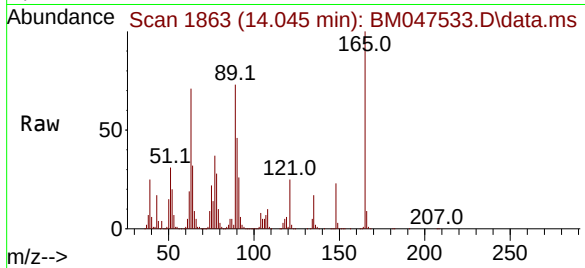
Tgt Ion:163 Resp: 2754152
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 10.0 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 41.552 ng
RT: 14.045 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

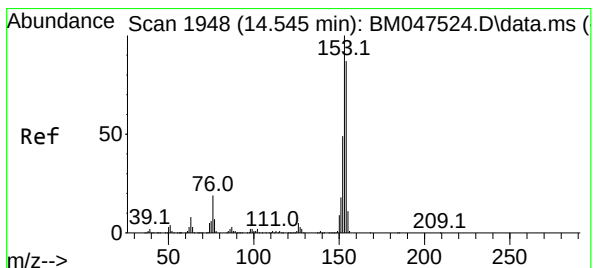
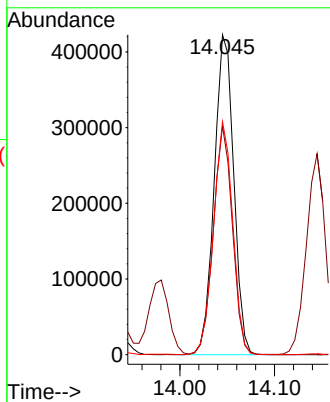
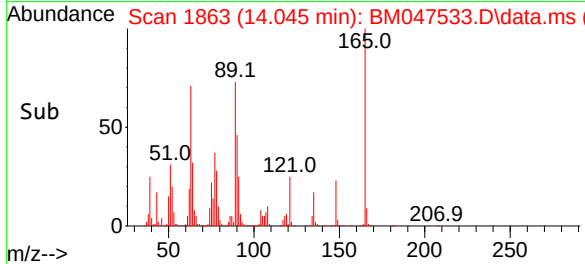
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 60454
Ion Ratio Lower Upper
165 100
63 71.4 54.2 81.2
89 72.8 56.4 84.6

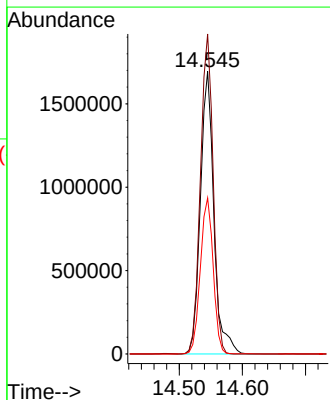
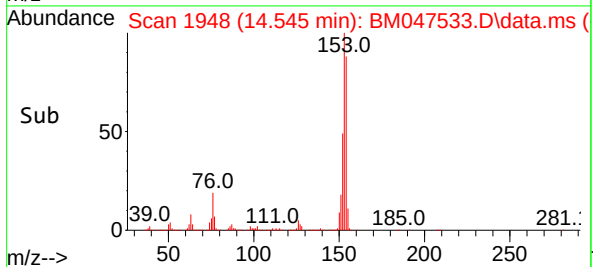
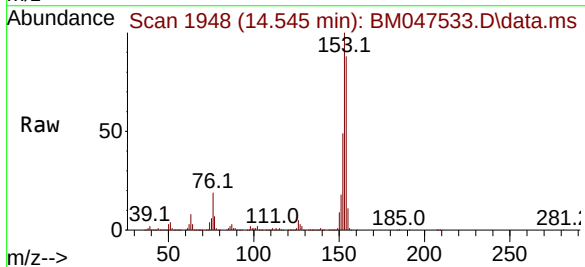
Manual Integrations
APPROVED

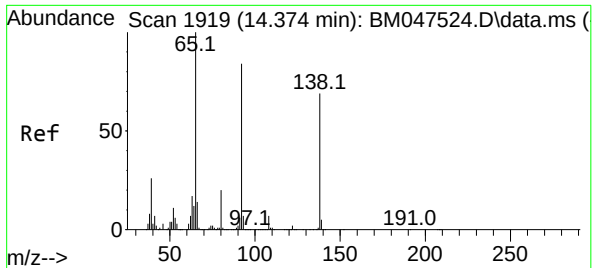
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#52
Acenaphthene
Concen: 40.594 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

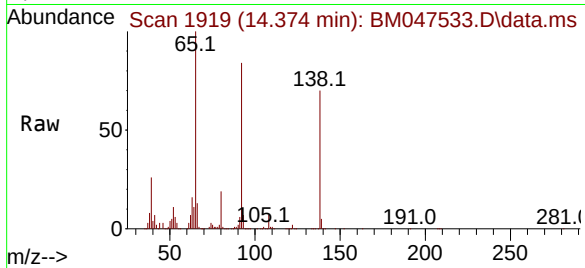
Tgt Ion:154 Resp: 2507411
Ion Ratio Lower Upper
154 100
153 113.3 92.2 138.2
152 55.2 45.4 68.0





#53
3-Nitroaniline
Concen: 42.399 ng
RT: 14.374 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

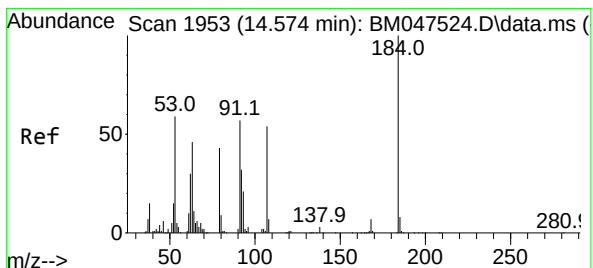
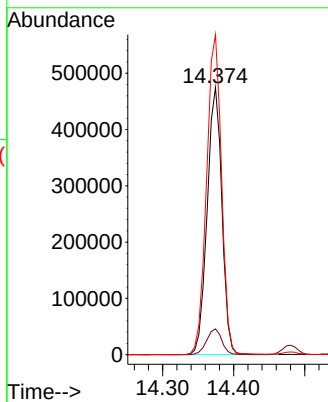
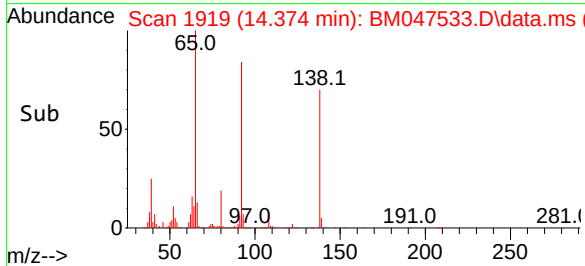
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:138 Resp: 68565
Ion Ratio Lower Upper
138 100
108 9.6 8.0 12.0
92 119.7 97.4 146.0

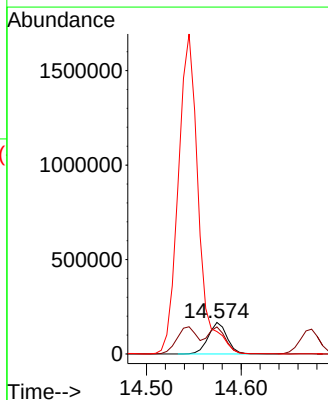
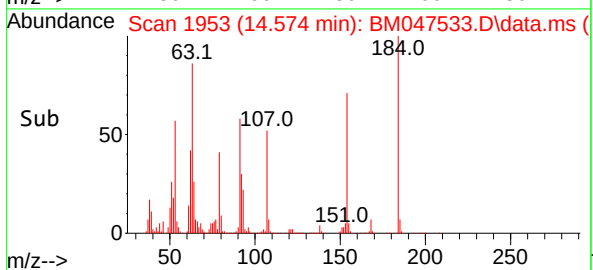
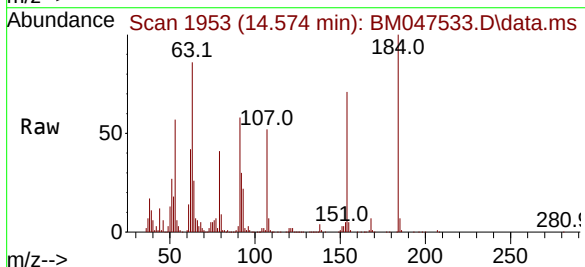
Manual Integrations
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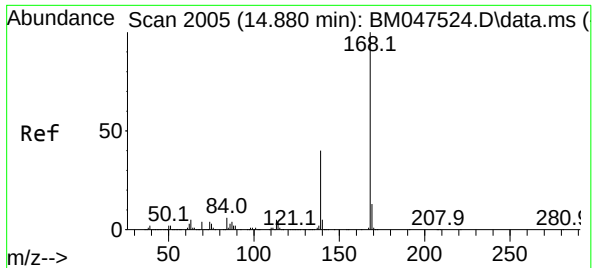
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#54
2,4-Dinitrophenol
Concen: 36.995 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

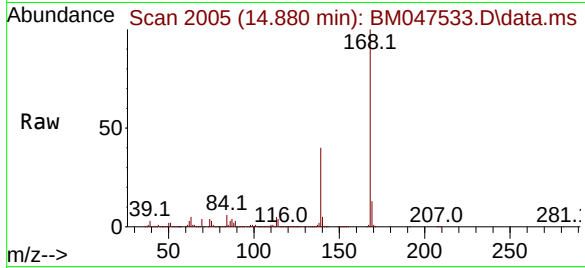
Tgt Ion:184 Resp: 229497
Ion Ratio Lower Upper
184 100
63 85.8 69.4 104.0
154 71.4 60.4 90.6





#55
Dibenzenofuran
Concen: 40.086 ng
RT: 14.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

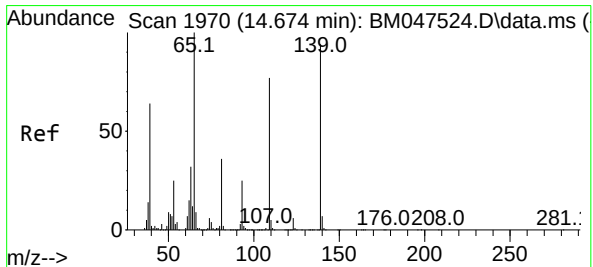
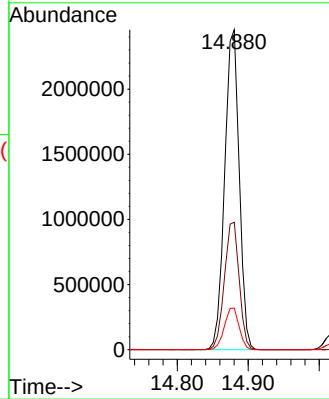
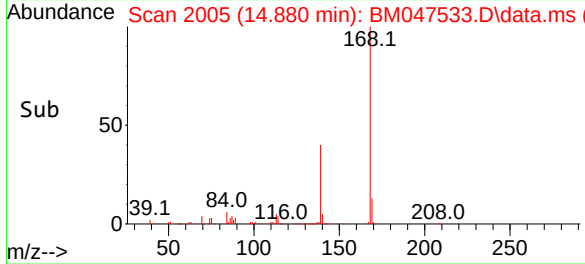
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 3479384
Ion Ratio Lower Upper
168 100
139 39.8 31.9 47.9
169 13.0 10.5 15.7

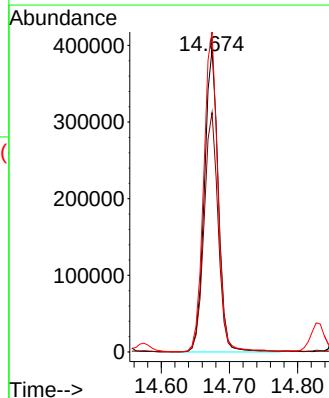
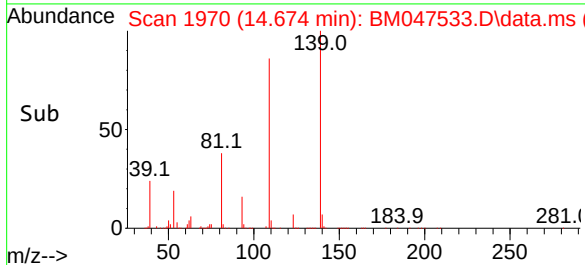
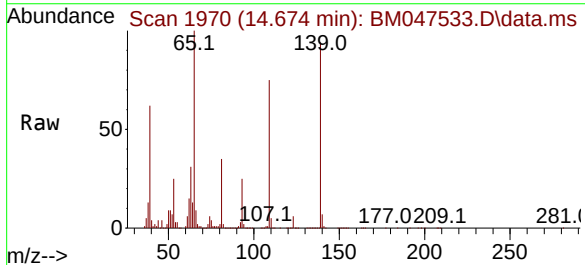
Manual Integrations
APPROVED

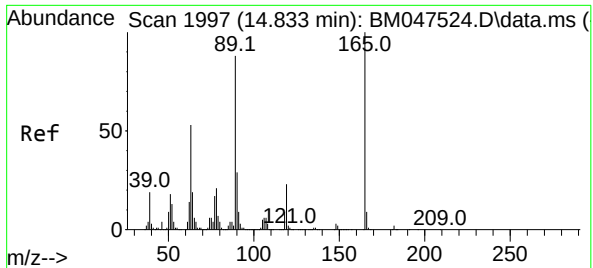
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#56
4-Nitrophenol
Concen: 42.277 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

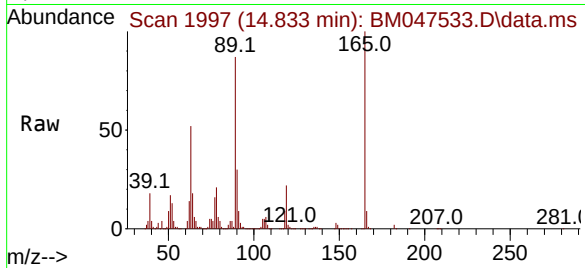
Tgt Ion:139 Resp: 562593
Ion Ratio Lower Upper
139 100
109 79.2 62.0 102.0
65 105.9 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 42.670 ng
RT: 14.833 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

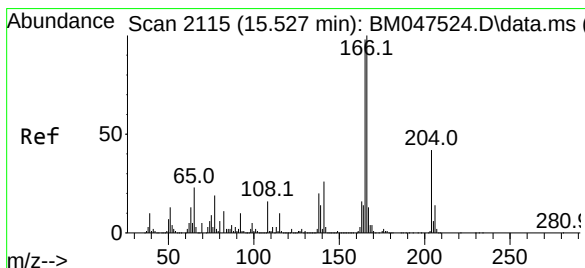
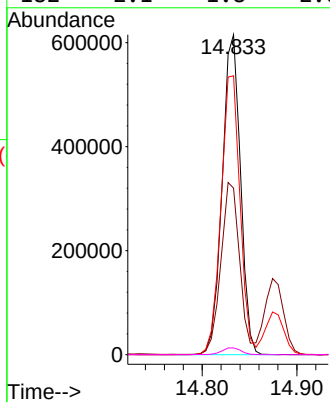
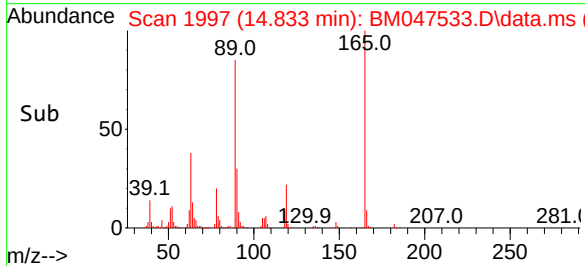
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 827968
Ion Ratio Lower Upper
165 100
63 52.0 42.4 63.6
89 87.2 70.5 105.7
182 2.1 1.8 2.6

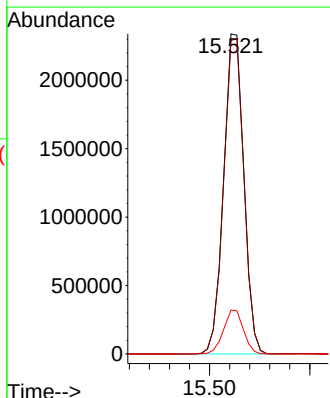
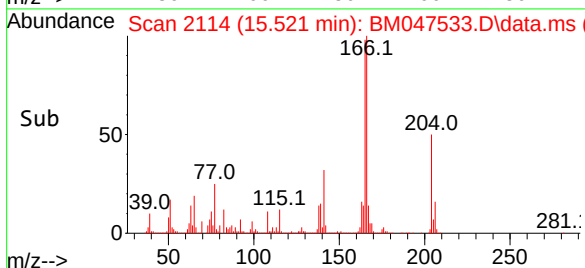
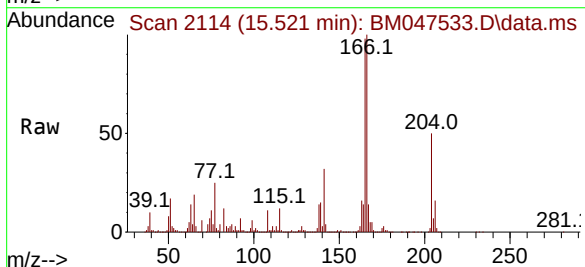
Manual Integrations
APPROVED

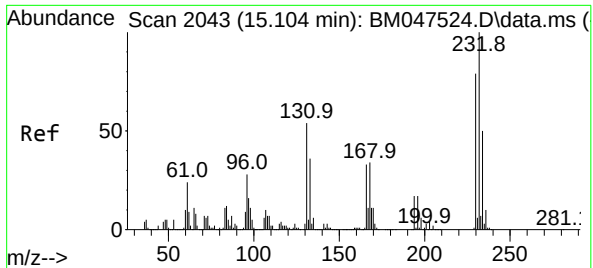
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#58
Fluorene
Concen: 41.789 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

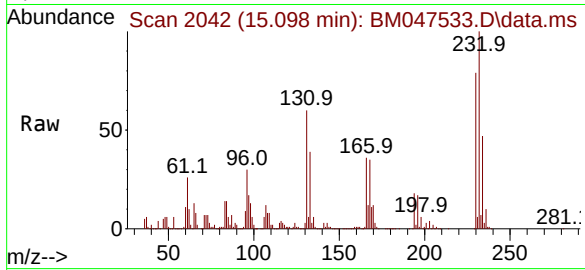
Tgt Ion:166 Resp: 3265674
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 13.7 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.362 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

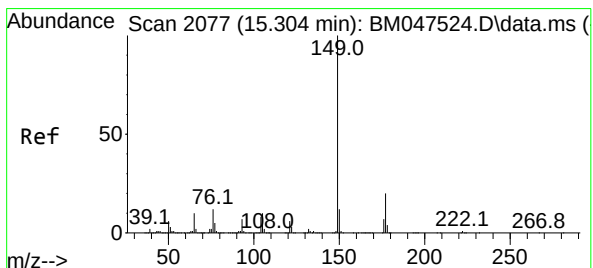
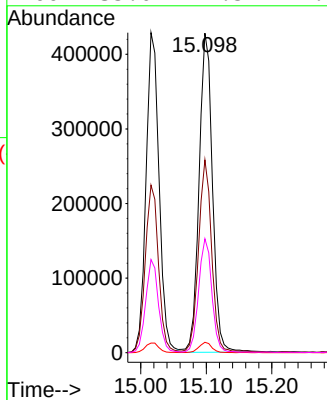
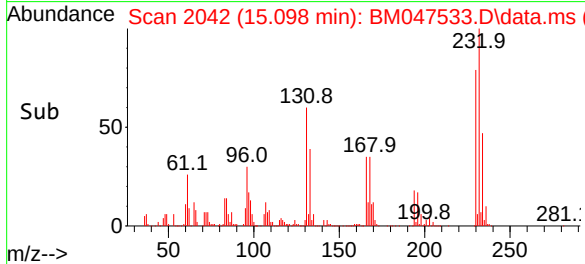
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 60929
Ion Ratio Lower Upper
232 100
131 59.2 47.0 70.4
130 3.2 2.6 3.8
166 35.0 27.5 41.3

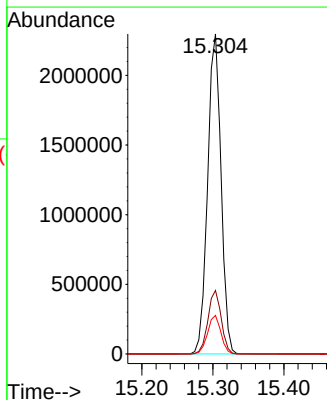
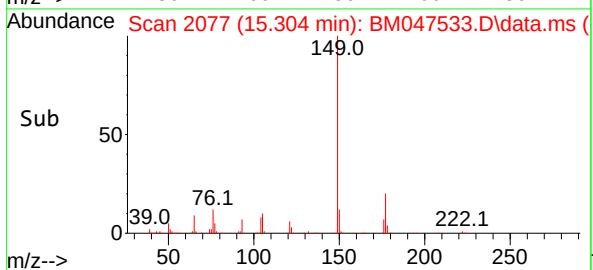
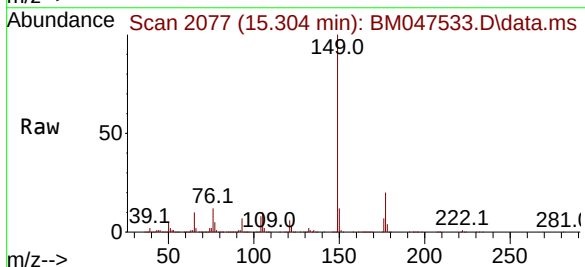
Manual Integrations
APPROVED

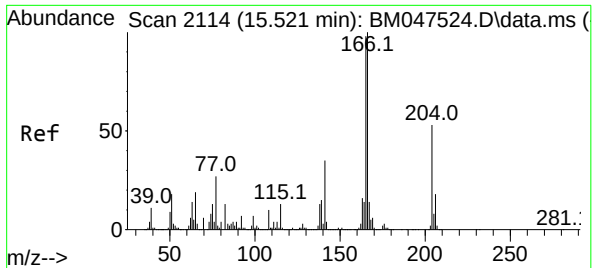
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#60
Diethylphthalate
Concen: 41.046 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

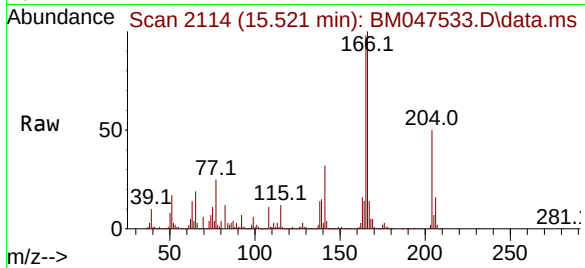
Tgt Ion:149 Resp: 3010648
Ion Ratio Lower Upper
149 100
177 19.9 15.8 23.8
150 12.0 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 41.102 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

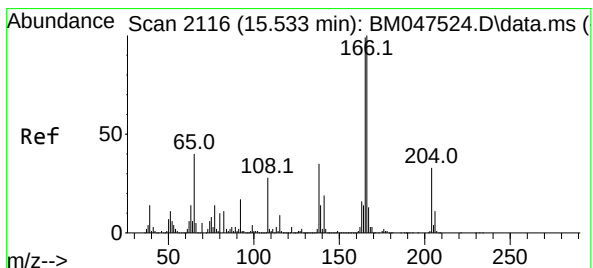
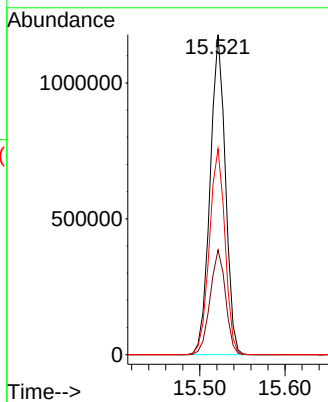
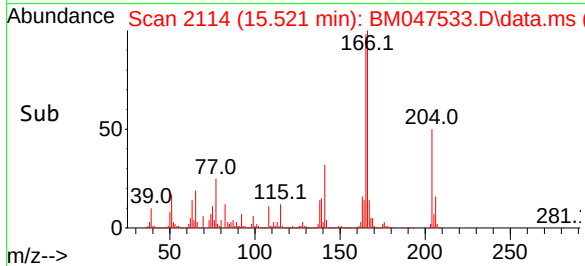
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 1468624
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 64.4 52.1 78.1

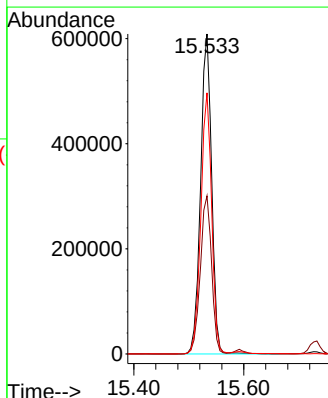
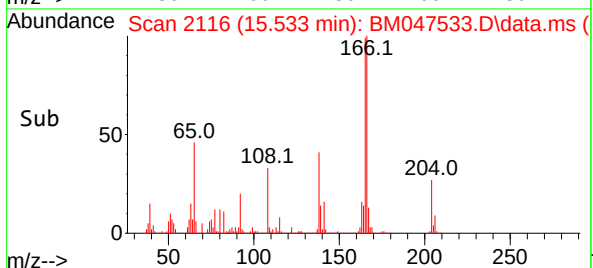
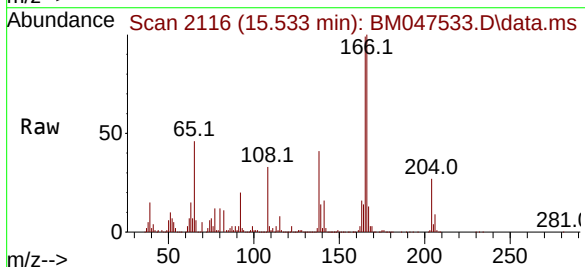
Manual Integrations
APPROVED

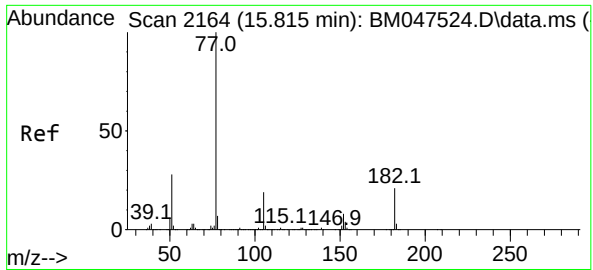
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#62
4-Nitroaniline
Concen: 44.755 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

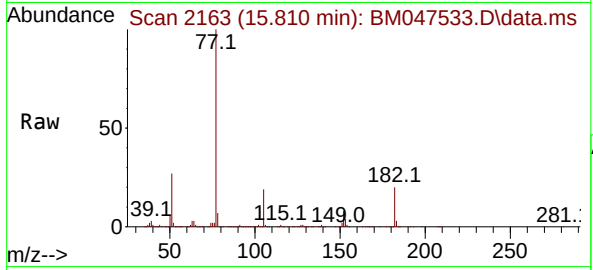
Tgt Ion:138 Resp: 850755
Ion Ratio Lower Upper
138 100
92 49.4 30.0 70.0
108 81.6 61.7 101.7





#63
Azobenzene
Concen: 41.753 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

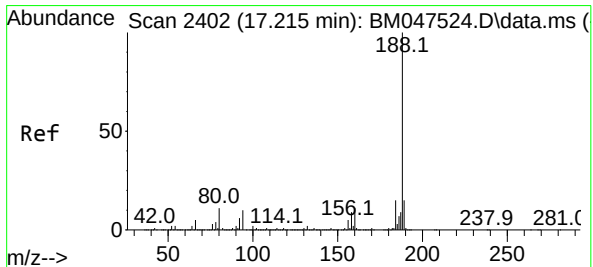
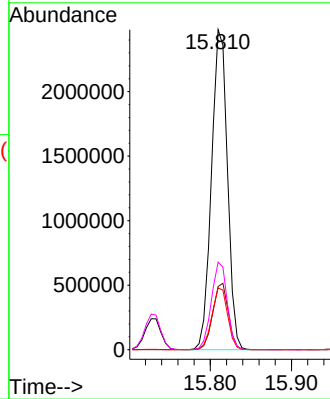
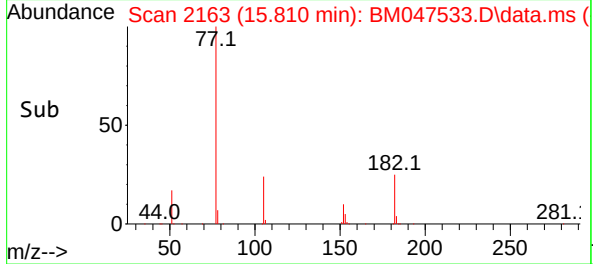
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 3372120
Ion Ratio Lower Upper
77 100
182 19.7 1.2 41.2
105 19.3 0.0 39.4
51 27.4 7.9 47.9

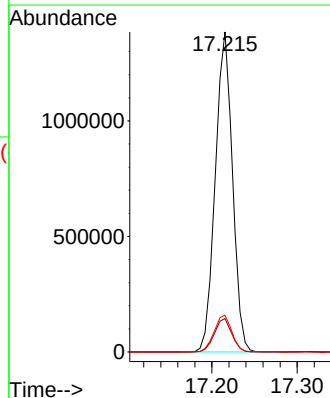
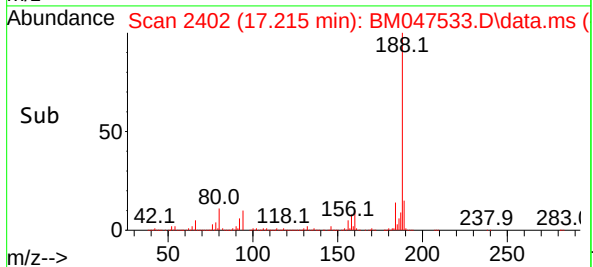
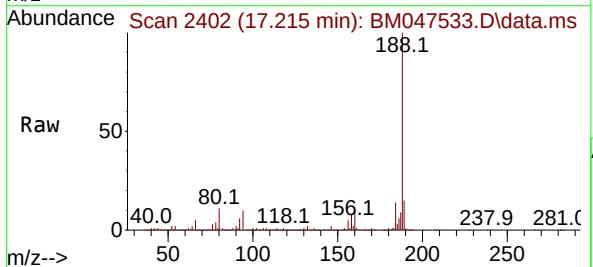
Manual Integrations
APPROVED

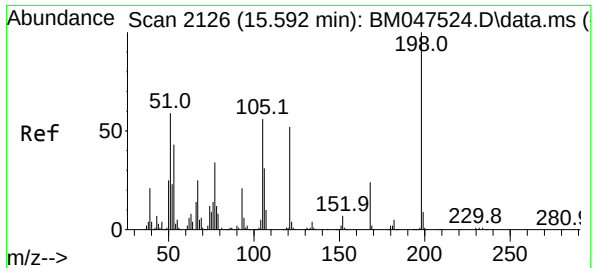
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

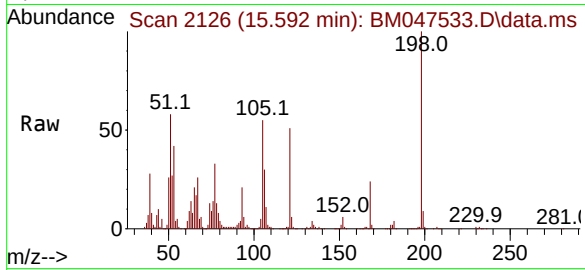
Tgt Ion:188 Resp: 1938186
Ion Ratio Lower Upper
188 100
94 10.4 8.4 12.6
80 11.5 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 35.256 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

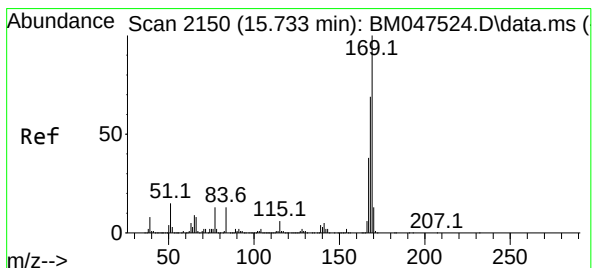
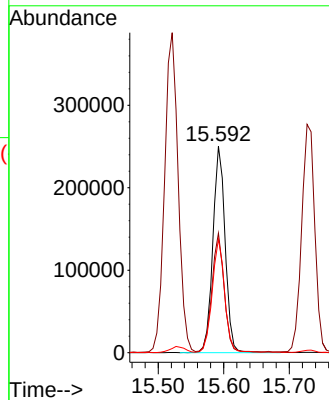
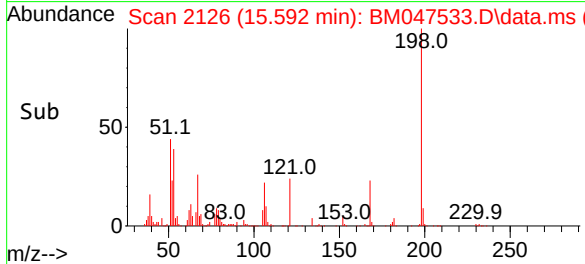
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:198 Resp: 325949
Ion Ratio Lower Upper
198 100
51 57.9 41.5 81.5
105 55.1 36.4 76.4

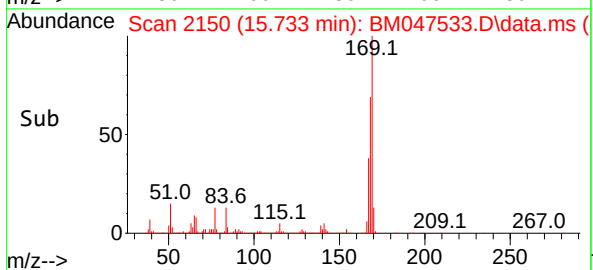
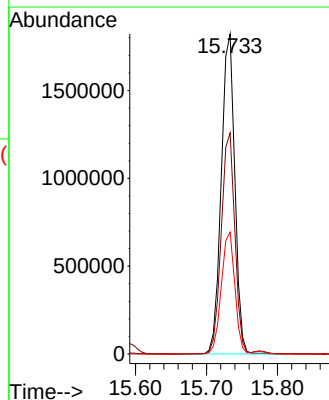
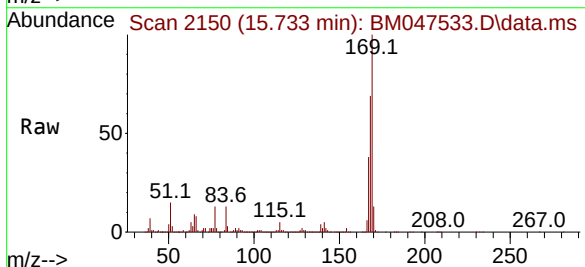
Manual Integrations
APPROVED

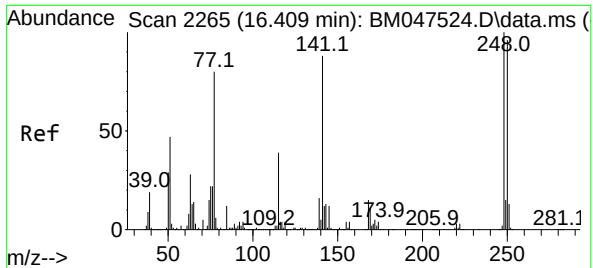
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#66
n-Nitrosodiphenylamine
Concen: 40.470 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

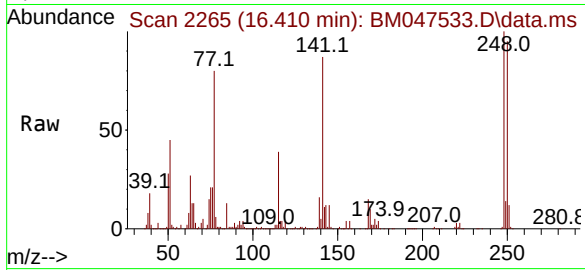
Tgt Ion:169 Resp: 2399617
Ion Ratio Lower Upper
169 100
168 69.0 55.3 82.9
167 38.1 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 40.024 ng
RT: 16.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

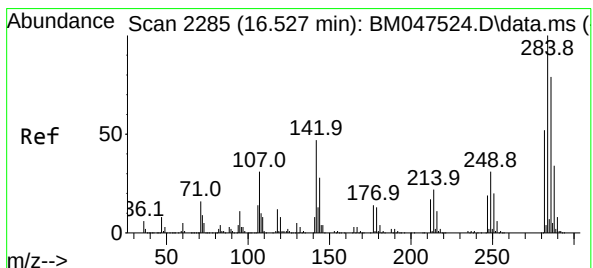
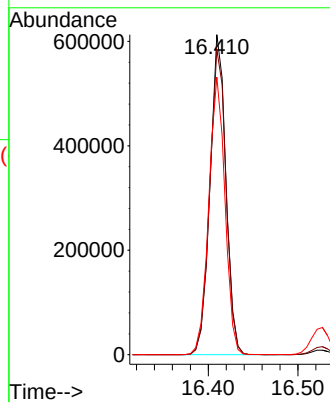
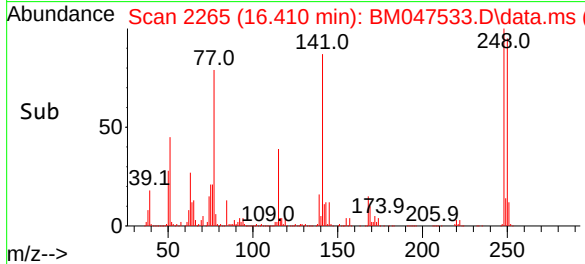
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:248 Resp: 753760
Ion Ratio Lower Upper
248 100
250 95.2 76.9 115.3
141 86.8 70.8 106.2

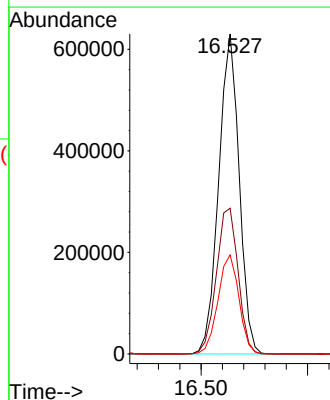
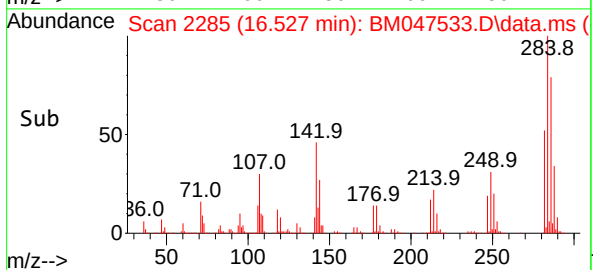
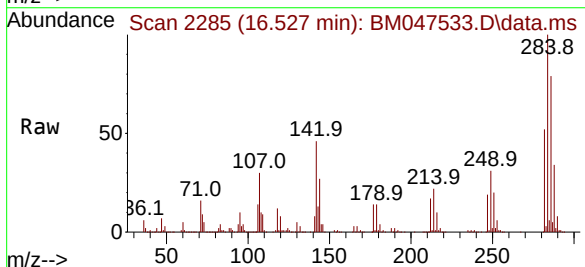
Manual Integrations
APPROVED

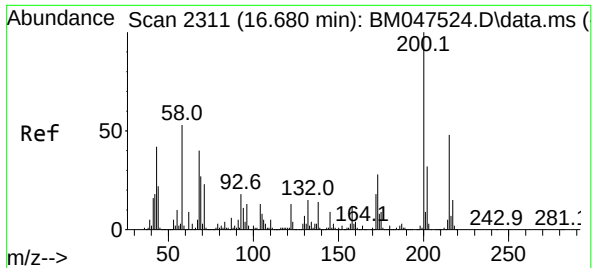
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#68
Hexachlorobenzene
Concen: 39.328 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

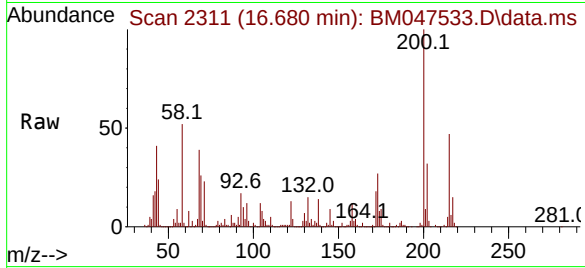
Tgt Ion:284 Resp: 839063
Ion Ratio Lower Upper
284 100
142 45.5 37.3 55.9
249 30.9 24.5 36.7





#69
Atrazine
Concen: 40.736 ng
RT: 16.680 min Scan# 2311
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

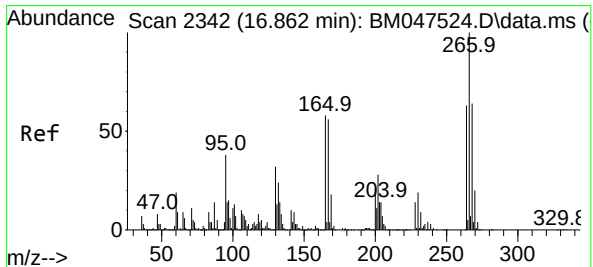
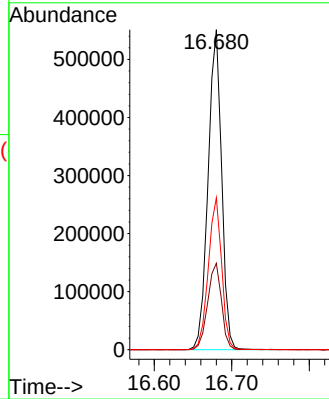
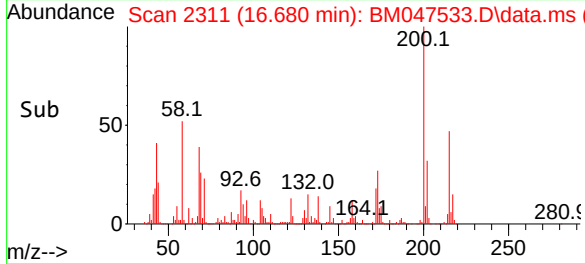
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



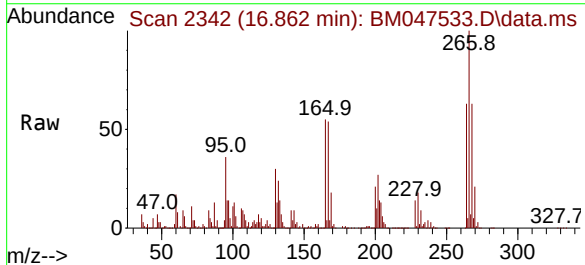
Tgt Ion:200 Resp: 667580
Ion Ratio Lower Upper
200 100
173 27.0 7.7 47.7
215 47.5 27.9 67.9

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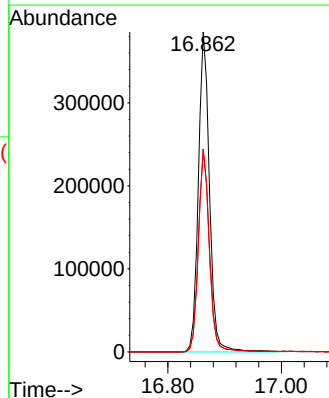
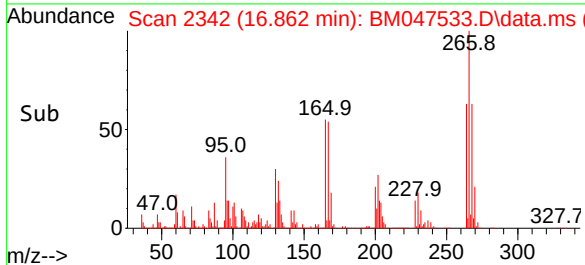
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024

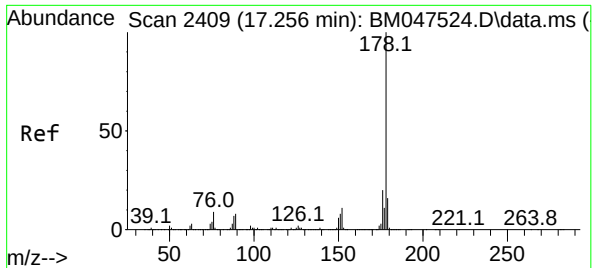


#70
Pentachlorophenol
Concen: 42.539 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



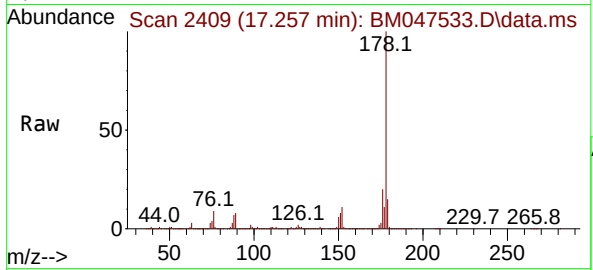
Tgt Ion:266 Resp: 526090
Ion Ratio Lower Upper
266 100
268 63.4 51.0 76.4
264 63.2 50.4 75.6





#71
Phenanthrene
Concen: 40.604 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

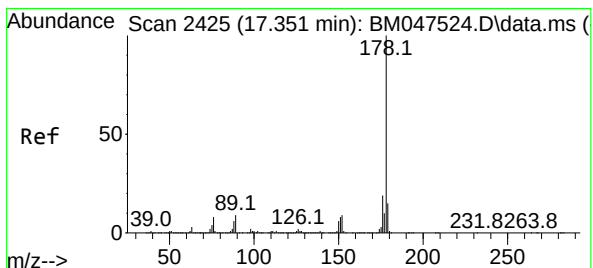
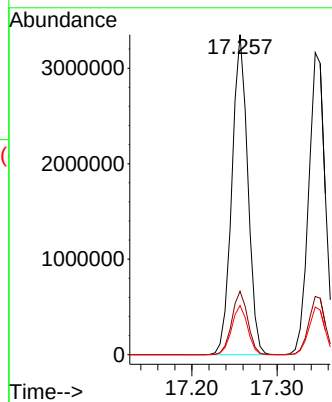
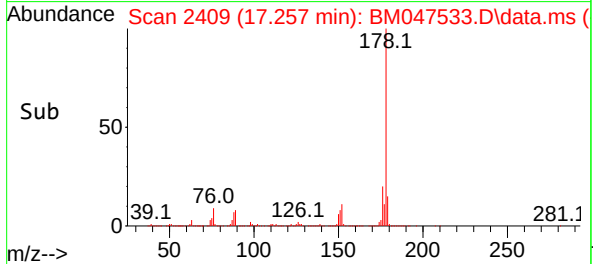
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 4337018
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.3 12.4 18.6

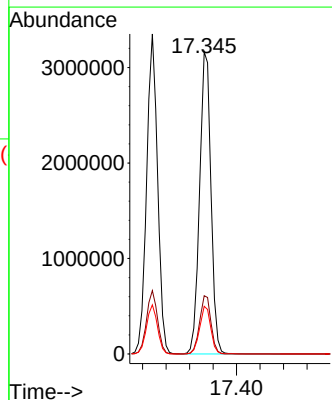
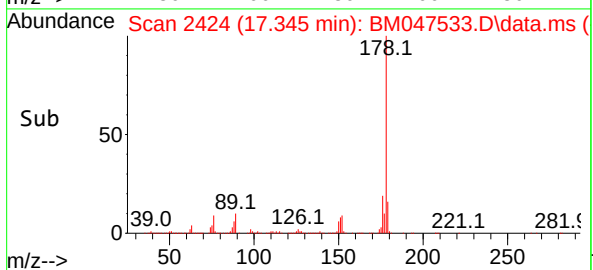
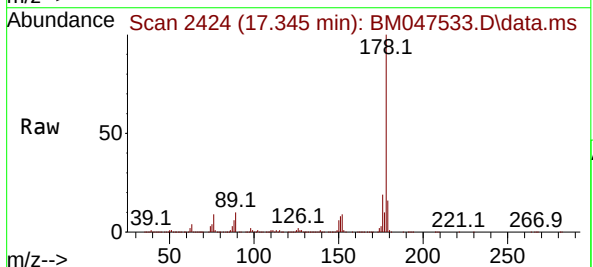
Manual Integrations
APPROVED

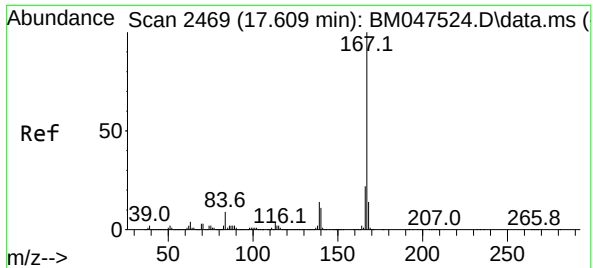
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#72
Anthracene
Concen: 41.313 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

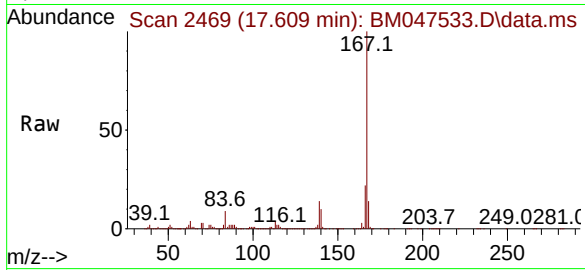
Tgt Ion:178 Resp: 4239587
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.8 12.3 18.5





#73
Carbazole
Concen: 41.705 ng
RT: 17.609 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

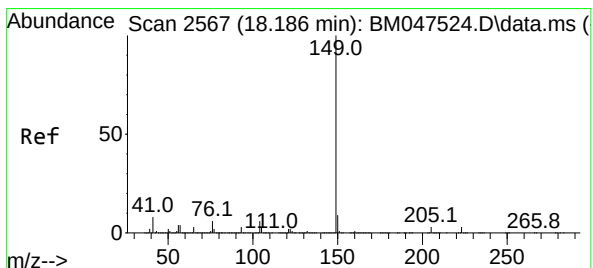
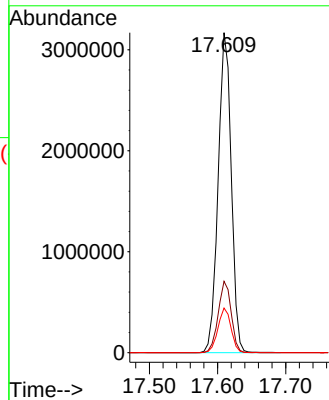
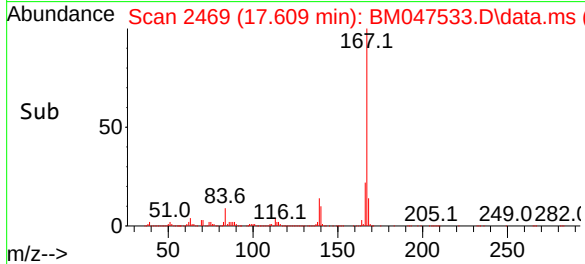
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:167 Resp: 424142
Ion Ratio Lower Upper
167 100
166 22.3 17.8 26.8
139 14.0 11.0 16.6

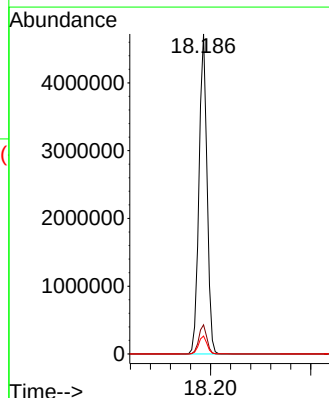
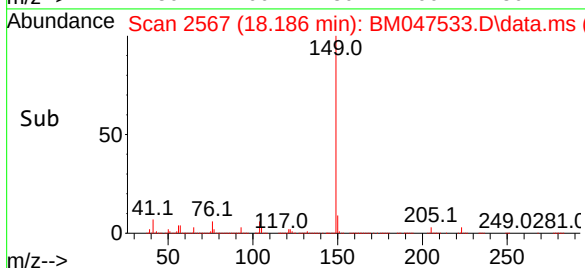
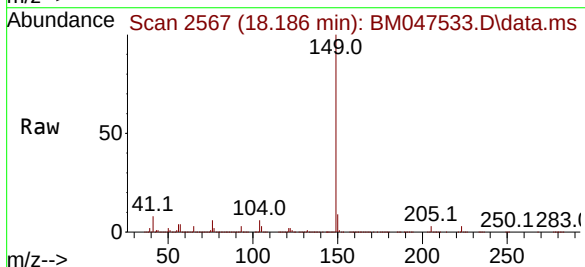
Manual Integrations
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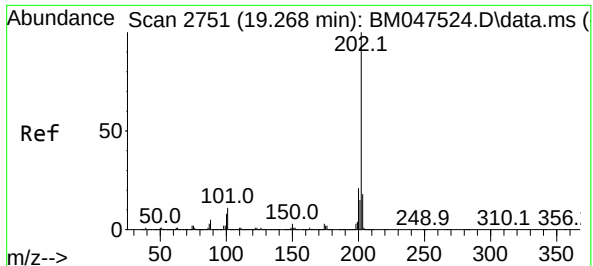
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#74
Di-n-butylphthalate
Concen: 42.846 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:149 Resp: 5213752
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 5.6 4.6 6.8





#75
Fluoranthene
Concen: 42.745 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

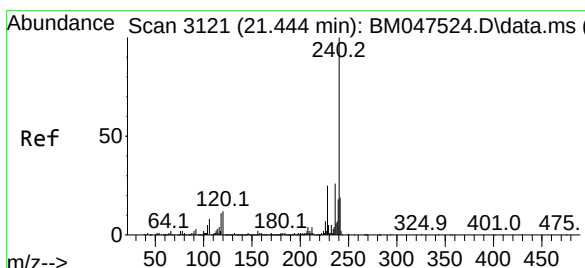
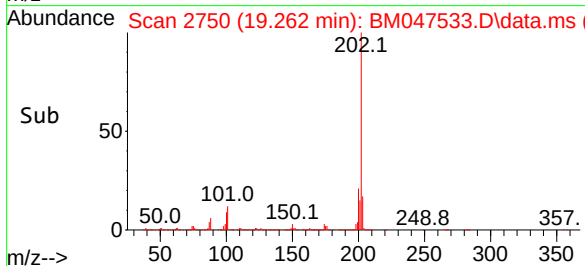
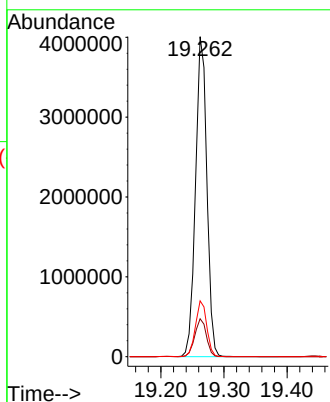
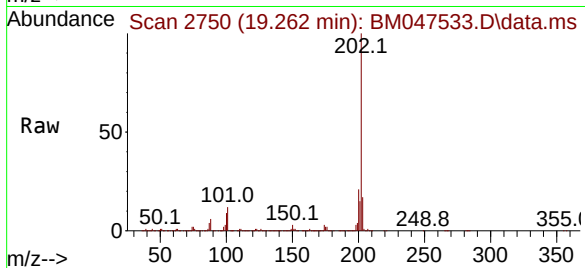
SSTDCCC040

Tgt Ion:202 Resp: 498145
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.8
203 17.4 0.0 37.7

Manual Integrations

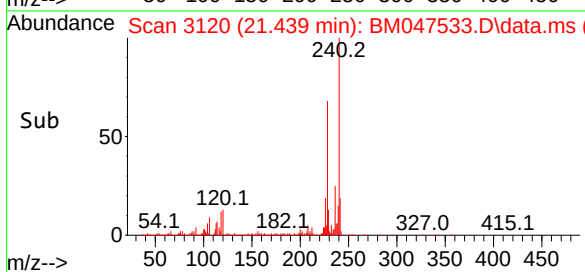
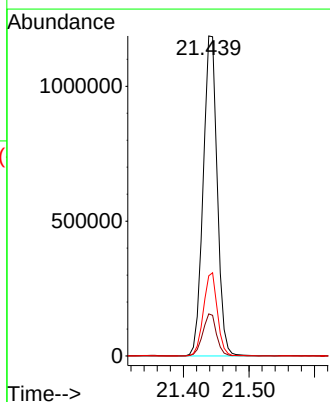
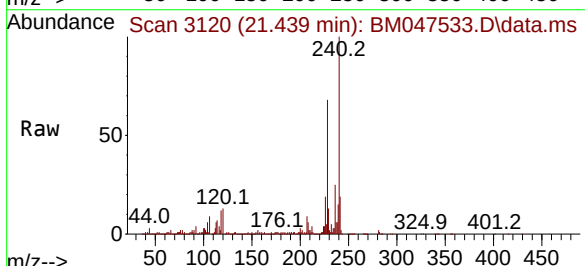
APPROVED

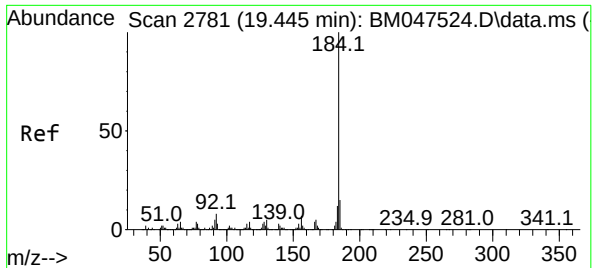
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

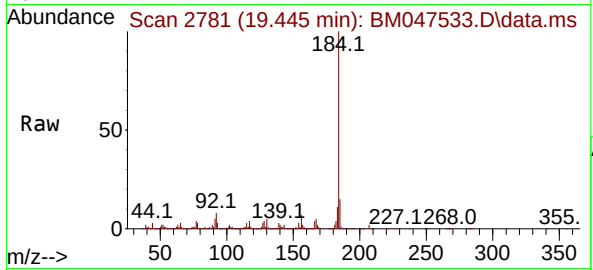
Tgt Ion:240 Resp: 1774639
Ion Ratio Lower Upper
240 100
120 13.1 9.6 14.4
236 25.0 20.9 31.3





#77
Benzidine
Concen: 58.267 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

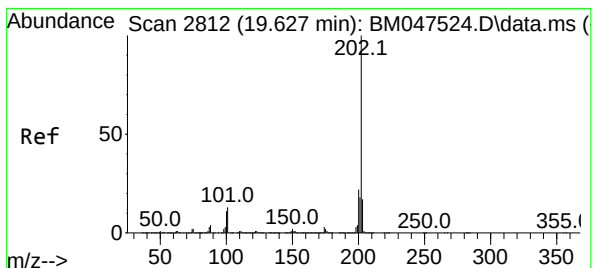
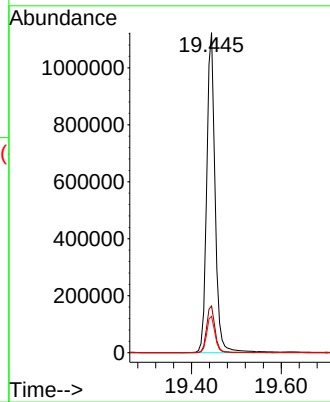
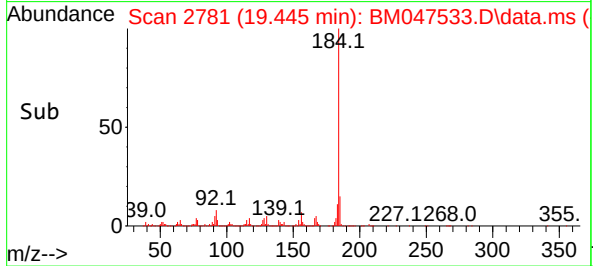
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 1456310
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.2
183 11.3 9.6 14.4

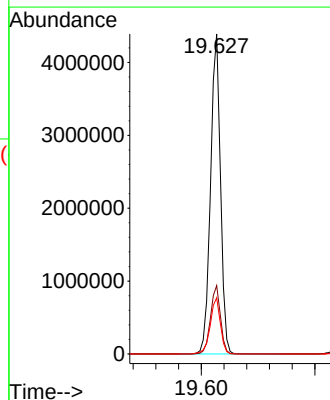
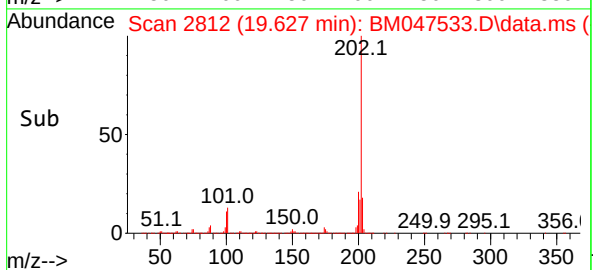
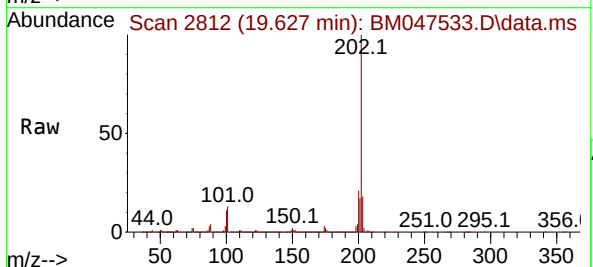
Manual Integrations
APPROVED

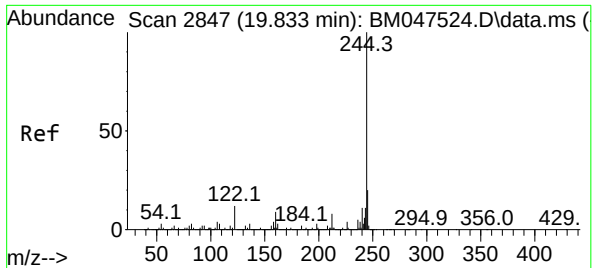
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#78
Pyrene
Concen: 40.890 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:202 Resp: 5293066
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.5 14.0 21.0





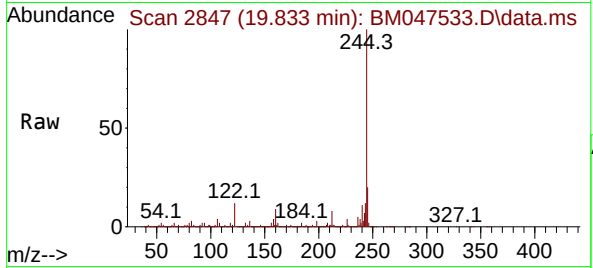
#79
Terphenyl-d14
Concen: 89.012 ng
RT: 19.833 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



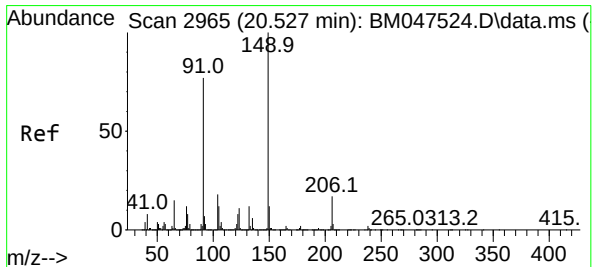
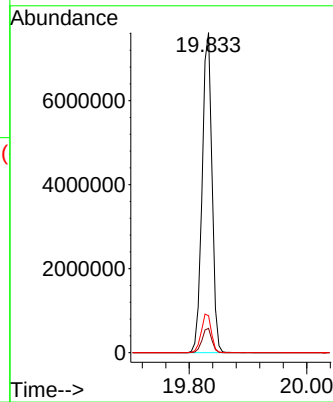
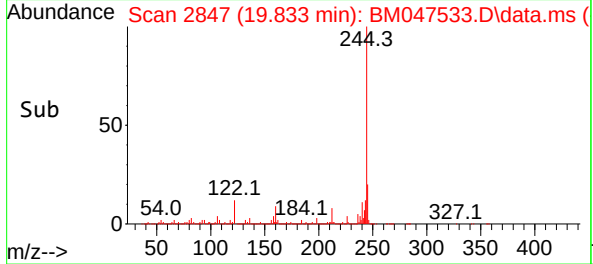
Tgt Ion:244 Resp: 8815218
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 11.5 9.6 14.4

Manual Integrations

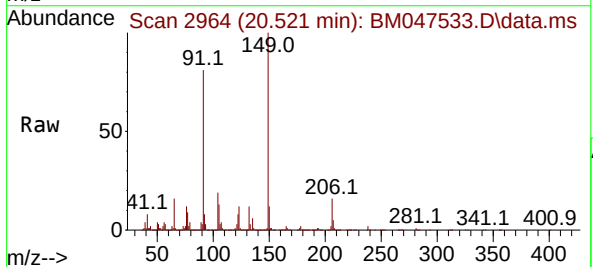
APPROVED

Reviewed By :Yogesh Patel 09/17/2024

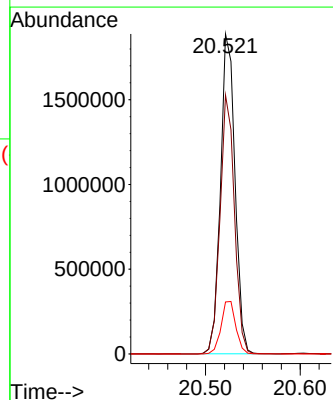
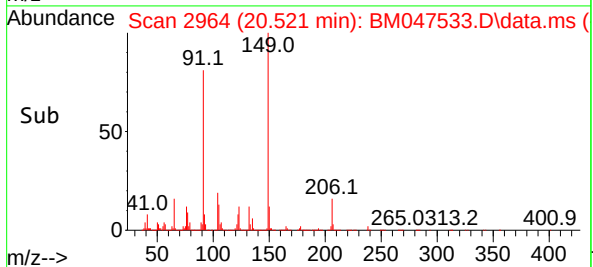
Supervised By :mohammad ahmed 09/17/2024

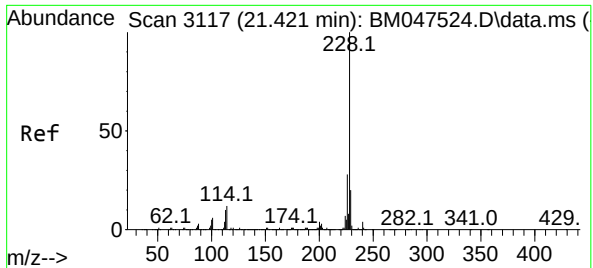


#80
Butylbenzylphthalate
Concen: 40.521 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



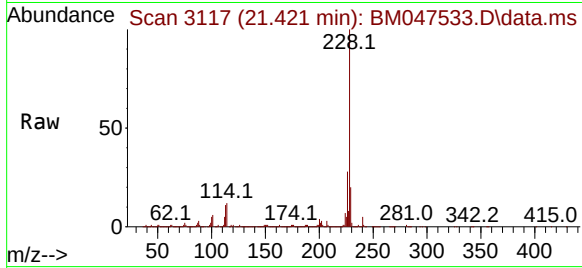
Tgt Ion:149 Resp: 2019210
Ion Ratio Lower Upper
149 100
91 80.9 62.0 93.0
206 16.2 13.8 20.8





#81
Benzo(a)anthracene
Concen: 40.654 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

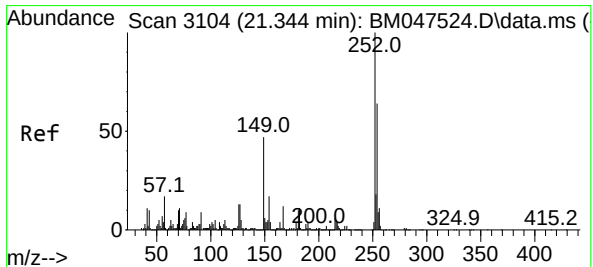
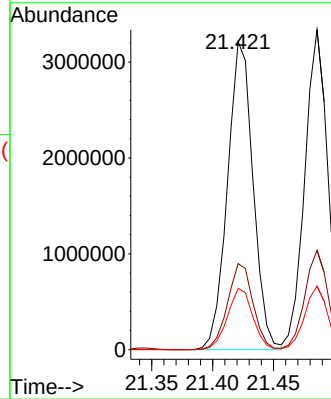
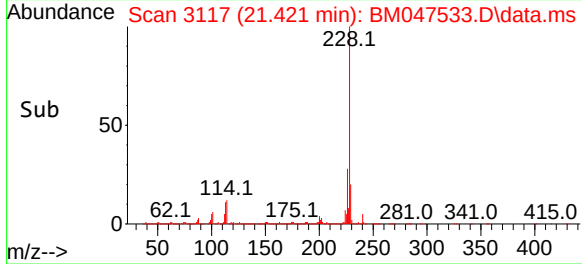
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 4702559
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 19.9 16.0 24.0

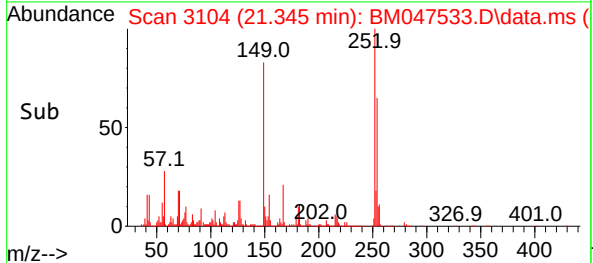
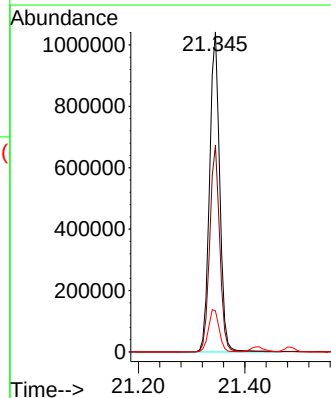
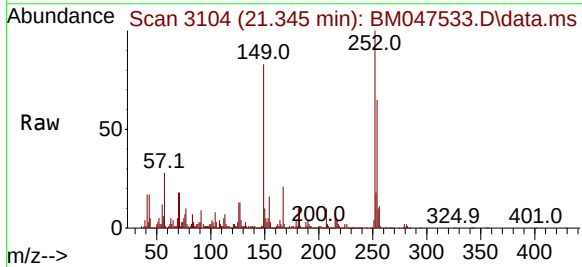
Manual Integrations
APPROVED

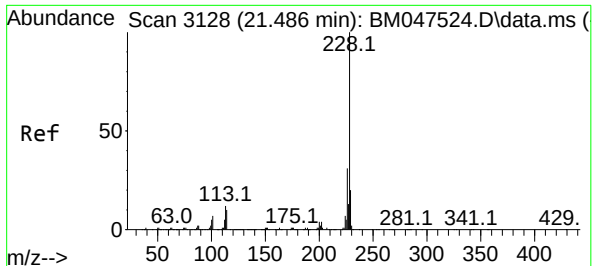
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#82
3,3'-Dichlorobenzidine
Concen: 44.650 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

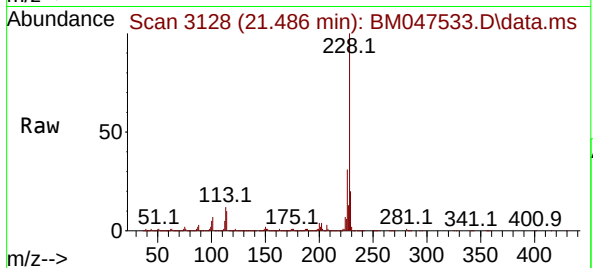
Tgt Ion:252 Resp: 1373888
Ion Ratio Lower Upper
252 100
254 64.6 51.5 77.3
126 12.9 10.3 15.5





#83
Chrysene
Concen: 40.493 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

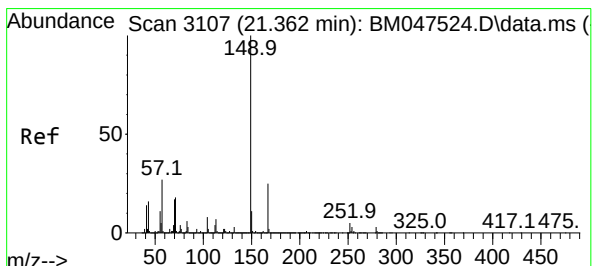
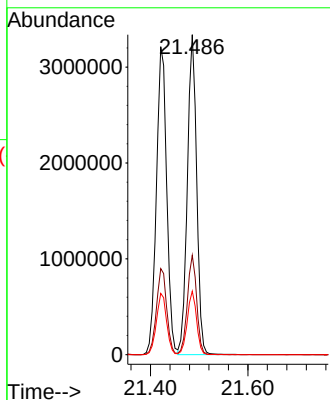
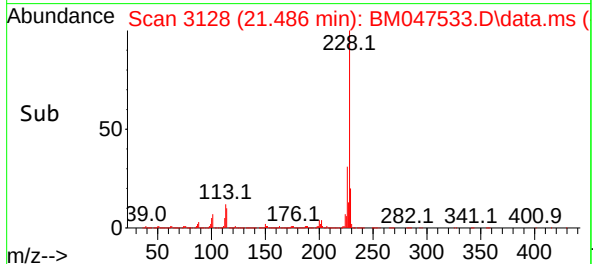
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 4430374
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 19.9 15.9 23.9

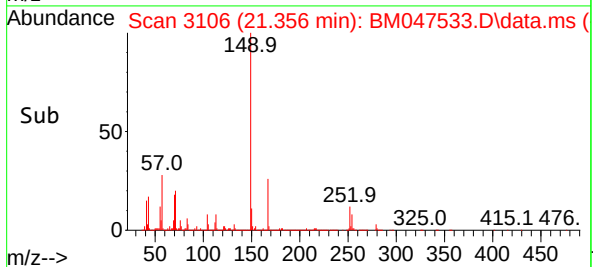
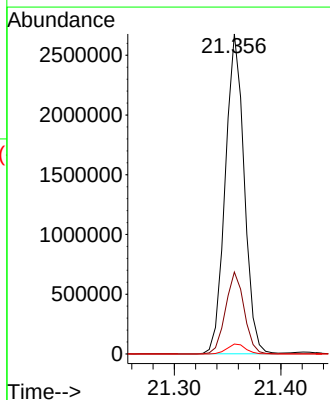
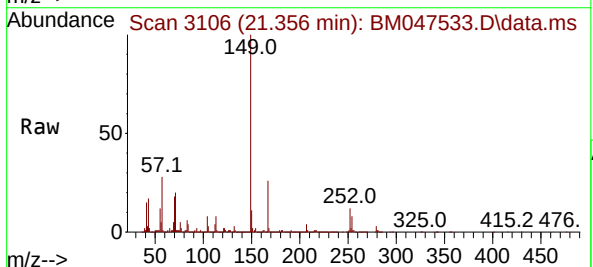
Manual Integrations
APPROVED

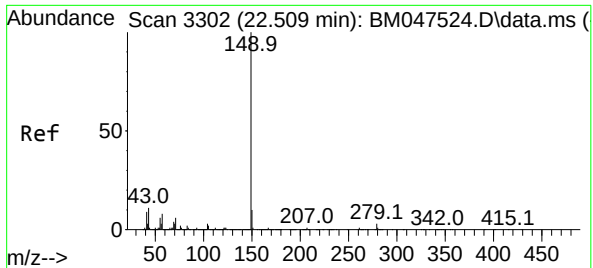
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.311 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:149 Resp: 3302911
Ion Ratio Lower Upper
149 100
167 25.6 20.2 30.4
279 3.1 2.6 4.0





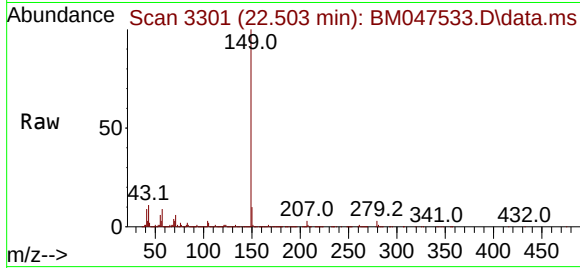
#85
Di-n-octyl phthalate
Concen: 42.252 ng
RT: 22.503 min Scan# 3301
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



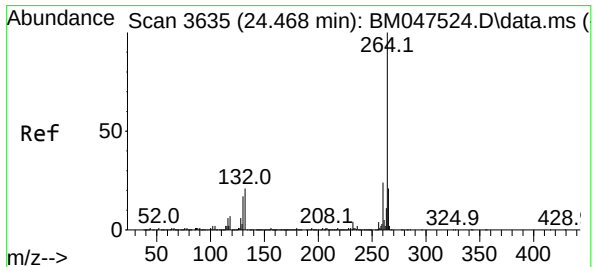
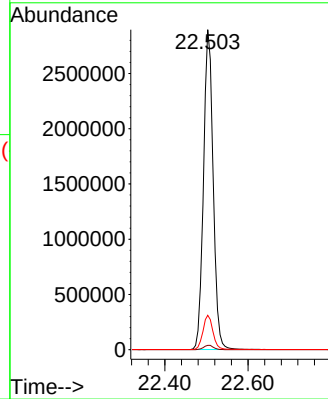
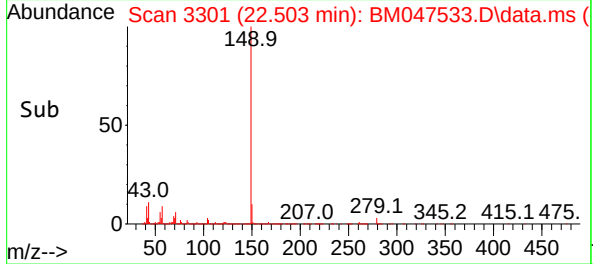
Tgt Ion:149 Resp: 4665412
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 11.1 8.9 13.3

Manual Integrations

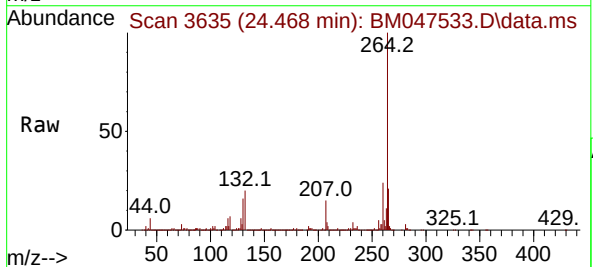
APPROVED

Reviewed By :Yogesh Patel 09/17/2024

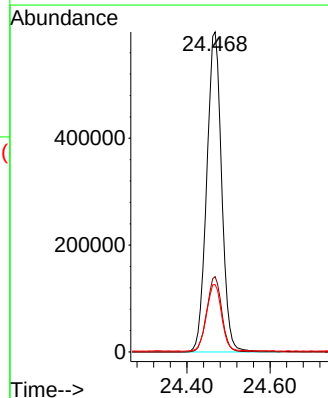
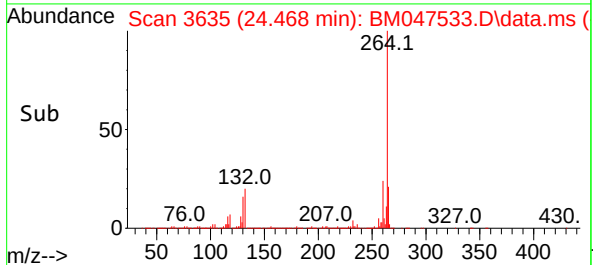
Supervised By :mohammad ahmed 09/17/2024

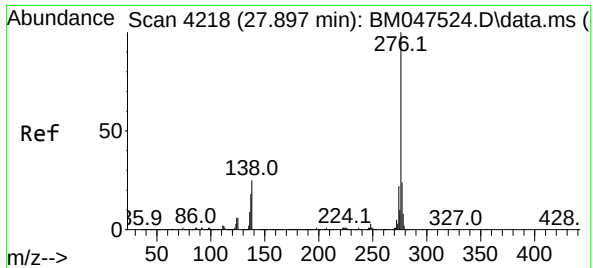


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16



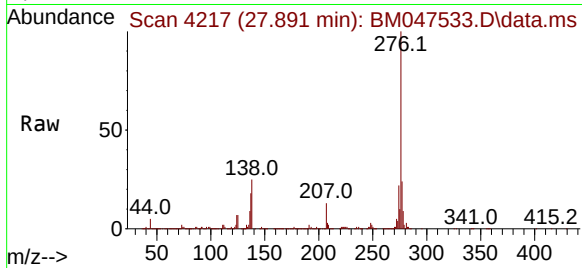
Tgt Ion:264 Resp: 1492872
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.637 ng
RT: 27.891 min Scan# 4217
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

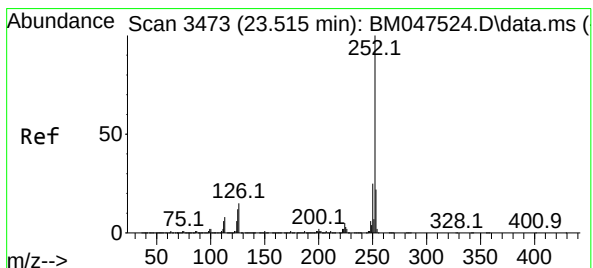
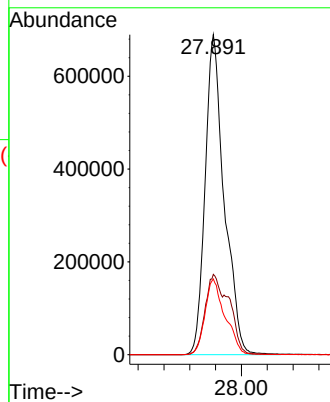
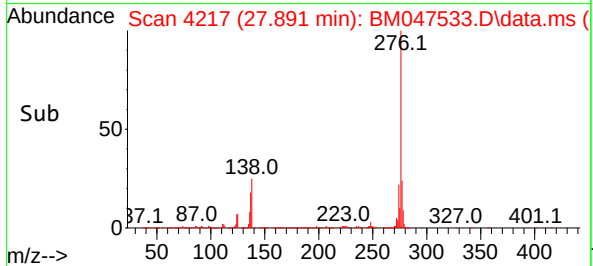
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:276 Resp: 3541214
Ion Ratio Lower Upper
276 100
138 31.4 25.0 37.6
277 24.9 20.1 30.1

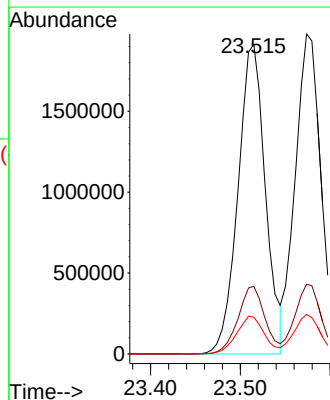
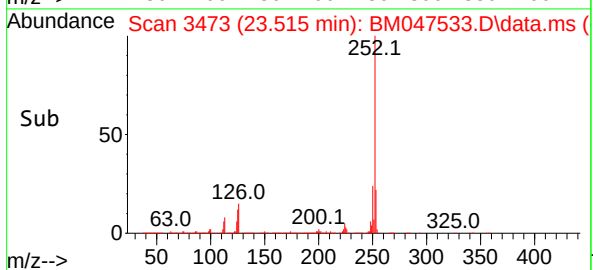
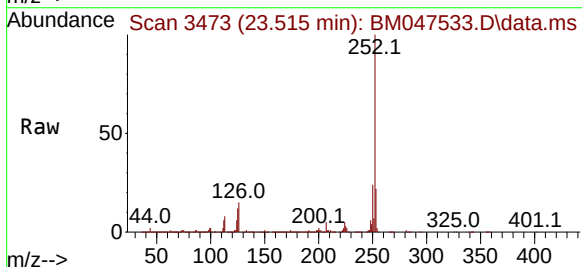
Manual Integrations
APPROVED

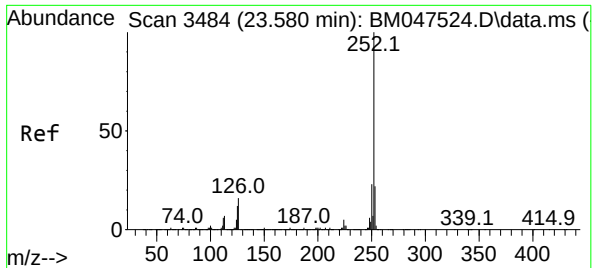
Reviewed By :Yogesh Patel 09/17/2024
Supervised By :mohammad ahmed 09/17/2024



#88
Benzo(b)fluoranthene
Concen: 42.001 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:252 Resp: 4056932
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 11.9 9.5 14.3





#89

Benzo(k)fluoranthene

Concen: 41.296 ng

RT: 23.574 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM047533.D

Acq: 16 Sep 2024 10:16

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 395323

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

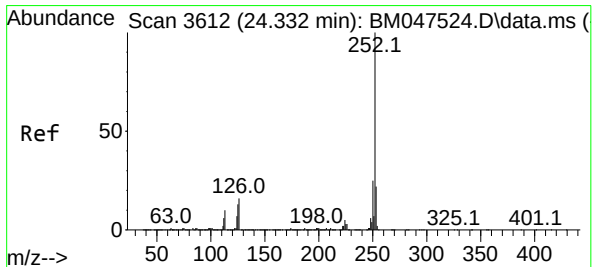
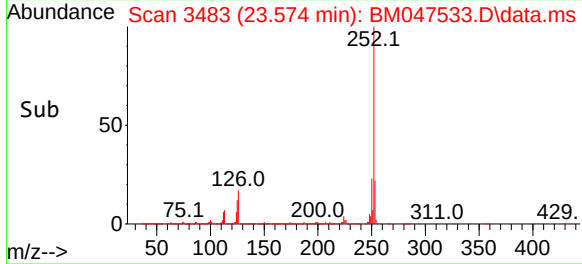
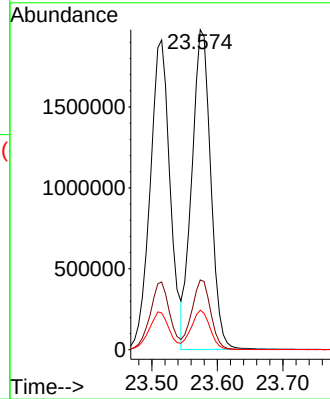
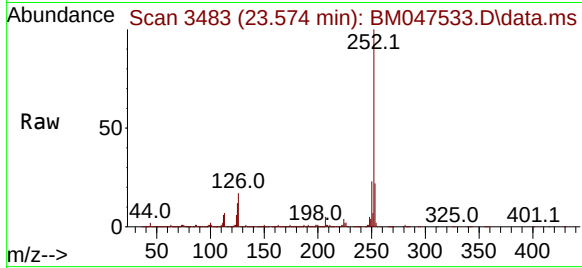
125 12.4 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/17/2024

Supervised By :mohammad ahmed 09/17/2024



#90

Benzo(a)pyrene

Concen: 41.189 ng

RT: 24.327 min Scan# 3611

Delta R.T. -0.006 min

Lab File: BM047533.D

Acq: 16 Sep 2024 10:16

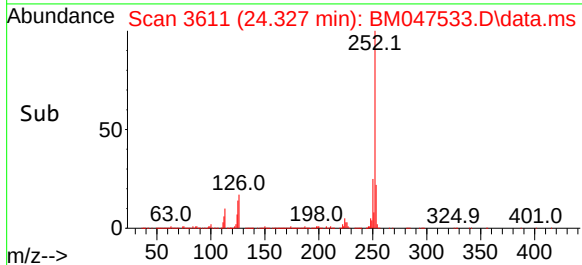
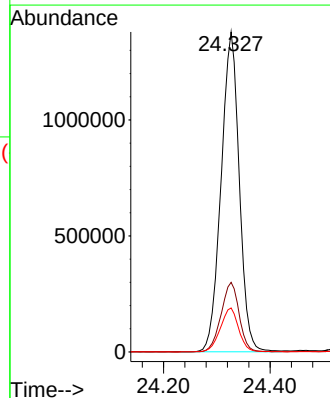
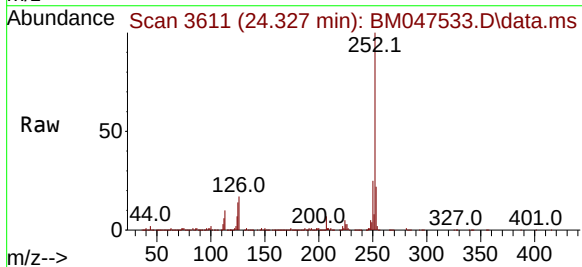
Tgt Ion:252 Resp: 3260773

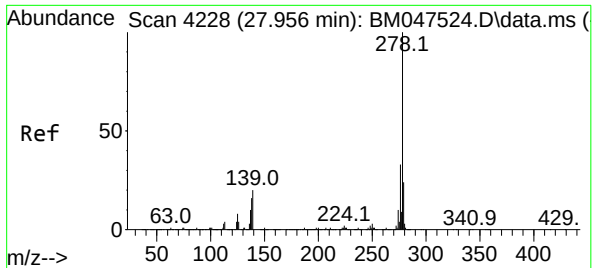
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

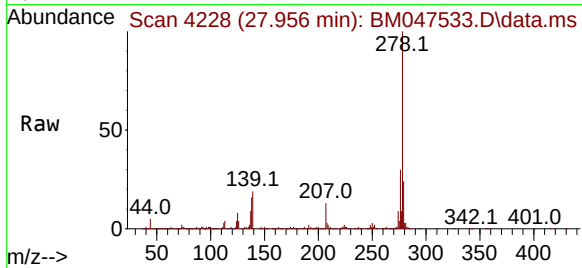
125 13.8 10.2 15.4





#91
Dibenzo(a,h)anthracene
Concen: 39.299 ng
RT: 27.956 min Scan# 4399
Delta R.T. 0.000 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

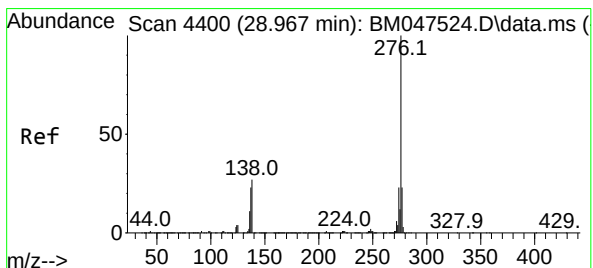
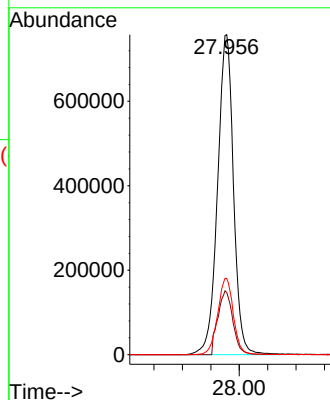
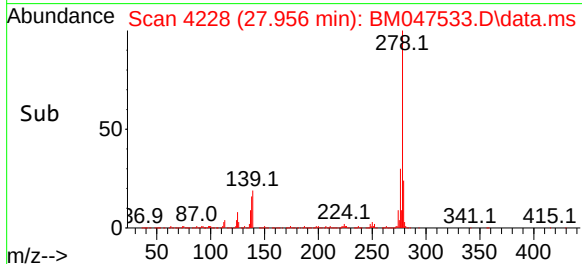
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt Ion:278 Resp: 295396
Ion Ratio Lower Upper
278 100
139 19.5 15.9 23.9
279 23.9 19.3 28.9

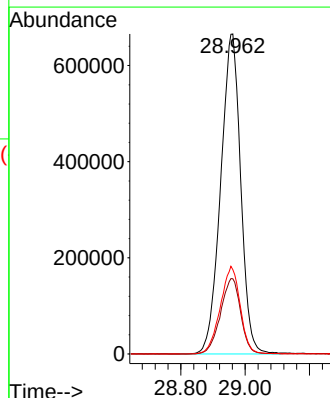
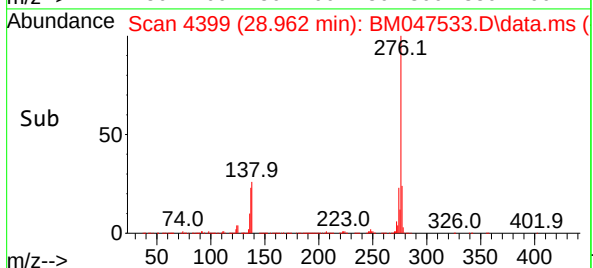
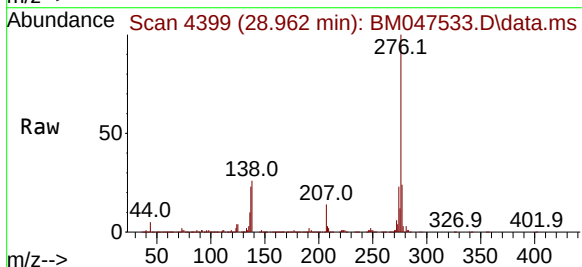
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 39.113 ng
RT: 28.962 min Scan# 4399
Delta R.T. -0.006 min
Lab File: BM047533.D
Acq: 16 Sep 2024 10:16

Tgt Ion:276 Resp: 2871861
Ion Ratio Lower Upper
276 100
277 23.5 18.6 28.0
138 26.4 21.5 32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
 Data File : BM047533.D
 Acq On : 16 Sep 2024 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
2	1,4-Dioxane	0.538	0.542	-0.7	112	0.00
3	Pyridine	1.601	1.621	-1.2	110	0.00
4	n-Nitrosodimethylamine	0.727	0.721	0.8	106	0.00
5 S	2-Fluorophenol	1.256	1.252	0.3	108	0.00
6	Aniline	1.568	1.589	-1.3	108	0.00
7 S	Phenol-d6	1.769	1.794	-1.4	107	0.00
8	2-Chlorophenol	1.385	1.377	0.6	106	0.00
9	Benzaldehyde	0.841	0.790	6.1	101	0.00
10 C	Phenol	1.771	1.785	-0.8	108	0.00
11	bis(2-Chloroethyl)ether	1.422	1.438	-1.1	109	0.00
12	1,3-Dichlorobenzene	1.516	1.490	1.7	107	0.00
13 C	1,4-Dichlorobenzene	1.544	1.514	1.9	107	0.00
14	1,2-Dichlorobenzene	1.519	1.494	1.6	107	0.00
15	Benzyl Alcohol	1.198	1.201	-0.3	105	0.00
16	2,2'-oxybis(1-Chloropropane	2.000	1.992	0.4	107	0.00
17	2-Methylphenol	1.132	1.140	-0.7	106	0.00
18	Hexachloroethane	0.617	0.600	2.8	105	0.00
19 P	n-Nitroso-di-n-propylamine	1.193	1.237	-3.7	107	0.00
20	3+4-Methylphenols	1.579	1.577	0.1	105	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22	Acetophenone	0.526	0.524	0.4	105	0.00
23 S	Nitrobenzene-d5	0.400	0.405	-1.3	106	0.00
24	Nitrobenzene	0.411	0.413	-0.5	106	0.00
25	Isophorone	0.703	0.714	-1.6	106	0.00
26 C	2-Nitrophenol	0.140	0.137	2.1	99	0.00
27	2,4-Dimethylphenol	0.212	0.209	1.4	105	0.00
28	bis(2-Chloroethoxy)methane	0.441	0.445	-0.9	107	0.00
29 C	2,4-Dichlorophenol	0.269	0.272	-1.1	105	0.00
30	1,2,4-Trichlorobenzene	0.309	0.303	1.9	106	0.00
31	Naphthalene	1.080	1.072	0.7	105	0.00
32	Benzoic acid	0.187	0.187	0.0	103	0.00
33	4-Chloroaniline	0.391	0.396	-1.3	107	0.00
34 C	Hexachlorobutadiene	0.171	0.165	3.5	103	0.00
35	Caprolactam	0.089	0.097	-9.0	110	0.00
36 C	4-Chloro-3-methylphenol	0.309	0.318	-2.9	106	0.00
37	2-Methylnaphthalene	0.719	0.723	-0.6	105	0.00
38	1-Methylnaphthalene	0.714	0.720	-0.8	107	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00
40	1,2,4,5-Tetrachlorobenzene	0.541	0.532	1.7	104	0.00
41 P	Hexachlorocyclopentadiene	0.177	0.169	4.5	99	0.00
42 S	2,4,6-Tribromophenol	0.193	0.197	-2.1	104	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.339	0.0	103	0.00
44	2,4,5-Trichlorophenol	0.383	0.385	-0.5	104	0.00
45 S	2-Fluorobiphenyl	1.452	1.482	-2.1	104	0.00
46	1,1'-Biphenyl	1.556	1.554	0.1	106	0.00
47	2-Chloronaphthalene	1.208	1.202	0.5	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
 Data File : BM047533.D
 Acq On : 16 Sep 2024 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.355	0.368	-3.7	105	0.00
49	Acenaphthylene	1.744	1.770	-1.5	106	0.00
50	Dimethylphthalate	1.363	1.362	0.1	106	0.00
51	2,6-Dinitrotoluene	0.288	0.299	-3.8	107	0.00
52 C	Acenaphthene	1.222	1.240	-1.5	106	0.00
53	3-Nitroaniline	0.320	0.339	-5.9	108	0.00
54 P	2,4-Dinitrophenol	0.125	0.113	9.6	95	0.00
55	Dibenzofuran	1.717	1.720	-0.2	106	0.00
56 P	4-Nitrophenol	0.263	0.278	-5.7	105	0.00
57	2,4-Dinitrotoluene	0.384	0.409	-6.5	107	0.00
58	Fluorene	1.546	1.615	-4.5	106	0.00
59	2,3,4,6-Tetrachlorophenol	0.299	0.301	-0.7	105	0.00
60	Diethylphthalate	1.451	1.489	-2.6	107	0.00
61	4-Chlorophenyl-phenylether	0.707	0.726	-2.7	104	0.00
62	4-Nitroaniline	0.376	0.421	-12.0	107	0.00
63	Azobenzene	1.597	1.667	-4.4	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.091	0.084	7.7	100	0.00
66 c	n-Nitrosodiphenylamine	0.612	0.619	-1.1	106	0.00
67	4-Bromophenyl-phenylether	0.194	0.194	0.0	107	0.00
68	Hexachlorobenzene	0.220	0.216	1.8	105	0.00
69	Atrazine	0.169	0.172	-1.8	105	0.00
70 C	Pentachlorophenol	0.128	0.136	-6.3	108	0.00
71	Phenanthrene	1.102	1.119	-1.5	107	0.00
72	Anthracene	1.059	1.094	-3.3	107	0.00
73	Carbazole	1.049	1.094	-4.3	109	0.00
74	Di-n-butylphthalate	1.256	1.345	-7.1	109	0.00
75 C	Fluoranthene	1.203	1.285	-6.8	108	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	109	0.00
77	Benzidine	0.282	0.410	-45.4#	176#	0.00
78	Pyrene	1.459	1.491	-2.2	109	0.00
79 S	Terphenyl-d14	1.116	1.242	-11.3	108	0.00
80	Butylbenzylphthalate	0.562	0.569	-1.2	105	0.00
81	Benzo(a)anthracene	1.304	1.325	-1.6	108	0.00
82	3,3'-Dichlorobenzidine	0.347	0.387	-11.5	117	0.00
83	Chrysene	1.233	1.248	-1.2	109	0.00
84	Bis(2-ethylhexyl)phthalate	0.880	0.931	-5.8	109	0.00
85 c	Di-n-octyl phthalate	1.244	1.314	-5.6	110	0.00
86 I	Perylene-d12	1.000	1.000	0.0	114	0.00
87	Indeno(1,2,3-cd)pyrene	1.197	1.186	0.9	114	0.00
88	Benzo(b)fluoranthene	1.294	1.359	-5.0	116	0.00
89	Benzo(k)fluoranthene	1.282	1.324	-3.3	111	0.00
90 C	Benzo(a)pyrene	1.061	1.092	-2.9	113	0.00
91	Dibenzo(a,h)anthracene	1.007	0.989	1.8	114	0.00
92	Benzo(g,h,i)perylene	0.984	0.962	2.2	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
 Data File : BM047533.D
 Acq On : 16 Sep 2024 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
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Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	108	0.00
2	1,4-Dioxane	40.000	40.292	-0.7	112	0.00
3	Pyridine	40.000	40.479	-1.2	110	0.00
4	n-Nitrosodimethylamine	40.000	39.718	0.7	106	0.00
5 S	2-Fluorophenol	80.000	79.754	0.3	108	0.00
6	Aniline	40.000	40.518	-1.3	108	0.00
7 S	Phenol-d6	80.000	81.134	-1.4	107	0.00
8	2-Chlorophenol	40.000	39.781	0.5	106	0.00
9	Benzaldehyde	40.000	37.547	6.1	101	0.00
10 C	Phenol	40.000	40.304	-0.8	108	0.00
11	bis(2-Chloroethyl)ether	40.000	40.460	-1.2	109	0.00
12	1,3-Dichlorobenzene	40.000	39.313	1.7	107	0.00
13 C	1,4-Dichlorobenzene	40.000	39.231	1.9	107	0.00
14	1,2-Dichlorobenzene	40.000	39.346	1.6	107	0.00
15	Benzyl Alcohol	40.000	40.082	-0.2	105	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.838	0.4	107	0.00
17	2-Methylphenol	40.000	40.301	-0.8	106	0.00
18	Hexachloroethane	40.000	38.895	2.8	105	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.470	-3.7	107	0.00
20	3+4-Methylphenols	40.000	39.944	0.1	105	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22	Acetophenone	40.000	39.840	0.4	105	0.00
23 S	Nitrobenzene-d5	80.000	81.114	-1.4	106	0.00
24	Nitrobenzene	40.000	40.197	-0.5	106	0.00
25	Isophorone	40.000	40.635	-1.6	106	0.00
26 C	2-Nitrophenol	40.000	39.105	2.2	99	0.00
27	2,4-Dimethylphenol	40.000	39.346	1.6	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.374	-0.9	107	0.00
29 C	2,4-Dichlorophenol	40.000	40.351	-0.9	105	0.00
30	1,2,4-Trichlorobenzene	40.000	39.325	1.7	106	0.00
31	Naphthalene	40.000	39.680	0.8	105	0.00
32	Benzoic acid	40.000	37.431	6.4	103	0.00
33	4-Chloroaniline	40.000	40.562	-1.4	107	0.00
34 C	Hexachlorobutadiene	40.000	38.483	3.8	103	0.00
35	Caprolactam	40.000	43.526	-8.8	110	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.231	-3.1	106	0.00
37	2-Methylnaphthalene	40.000	40.201	-0.5	105	0.00
38	1-Methylnaphthalene	40.000	40.320	-0.8	107	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	107	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.334	1.7	104	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.172	4.6	99	0.00
42 S	2,4,6-Tribromophenol	80.000	81.414	-1.8	104	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.025	-0.1	103	0.00
44	2,4,5-Trichlorophenol	40.000	40.261	-0.7	104	0.00
45 S	2-Fluorobiphenyl	80.000	81.679	-2.1	104	0.00
46	1,1'-Biphenyl	40.000	39.946	0.1	106	0.00
47	2-Chloronaphthalene	40.000	39.790	0.5	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
 Data File : BM047533.D
 Acq On : 16 Sep 2024 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.494	-3.7	105	0.00
49	Acenaphthylene	40.000	40.604	-1.5	106	0.00
50	Dimethylphthalate	40.000	39.962	0.1	106	0.00
51	2,6-Dinitrotoluene	40.000	41.552	-3.9	107	0.00
52 C	Acenaphthene	40.000	40.594	-1.5	106	0.00
53	3-Nitroaniline	40.000	42.399	-6.0	108	0.00
54 P	2,4-Dinitrophenol	40.000	36.995	7.5	95	0.00
55	Dibenzofuran	40.000	40.086	-0.2	106	0.00
56 P	4-Nitrophenol	40.000	42.277	-5.7	105	0.00
57	2,4-Dinitrotoluene	40.000	42.670	-6.7	107	0.00
58	Fluorene	40.000	41.789	-4.5	106	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.362	-0.9	105	0.00
60	Diethylphthalate	40.000	41.046	-2.6	107	0.00
61	4-Chlorophenyl-phenylether	40.000	41.102	-2.8	104	0.00
62	4-Nitroaniline	40.000	44.755	-11.9	107	0.00
63	Azobenzene	40.000	41.753	-4.4	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	35.256	11.9	100	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.470	-1.2	106	0.00
67	4-Bromophenyl-phenylether	40.000	40.024	-0.1	107	0.00
68	Hexachlorobenzene	40.000	39.328	1.7	105	0.00
69	Atrazine	40.000	40.736	-1.8	105	0.00
70 C	Pentachlorophenol	40.000	42.539	-6.3	108	0.00
71	Phenanthrene	40.000	40.604	-1.5	107	0.00
72	Anthracene	40.000	41.313	-3.3	107	0.00
73	Carbazole	40.000	41.705	-4.3	109	0.00
74	Di-n-butylphthalate	40.000	42.846	-7.1	109	0.00
75 C	Fluoranthene	40.000	42.745	-6.9	108	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	109	0.00
77	Benzydine	40.000	58.267	-45.7#	176	0.00
78	Pyrene	40.000	40.890	-2.2	109	0.00
79 S	Terphenyl-d14	80.000	89.012	-11.3	108	0.00
80	Butylbenzylphthalate	40.000	40.521	-1.3	105	0.00
81	Benzo(a)anthracene	40.000	40.654	-1.6	108	0.00
82	3,3'-Dichlorobenzidine	40.000	44.650	-11.6	117	0.00
83	Chrysene	40.000	40.493	-1.2	109	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.311	-5.8	109	0.00
85 c	Di-n-octyl phthalate	40.000	42.252	-5.6	110	0.00
86 I	Perylene-d12	20.000	20.000	0.0	114	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.637	0.9	114	0.00
88	Benzo(b)fluoranthene	40.000	42.001	-5.0	116	0.00
89	Benzo(k)fluoranthene	40.000	41.296	-3.2	111	0.00
90 C	Benzo(a)pyrene	40.000	41.189	-3.0	113	0.00
91	Dibenzo(a,h)anthracene	40.000	39.299	1.8	114	0.00
92	Benzo(g,h,i)perylene	40.000	39.113	2.2	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047533.D
Acq On : 16 Sep 2024 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 16 11:33:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

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

Instrument ID: BNA_M Calibration Date/Time: 09/19/2024 11:49

Lab File ID: BM047566.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.727	0.650		-10.6	
Pyridine	1.601	1.529		-4.5	
2-Fluorophenol	1.256	1.306		4.0	
Benzaldehyde	0.841	0.864		2.7	
Aniline	1.568	1.518		-3.2	
Phenol-d6	1.769	1.780		0.6	
bis(2-Chloroethyl)ether	1.422	1.432		0.7	
1,2-Dichlorobenzene	1.519	1.466		-3.5	
1,3-Dichlorobenzene	1.516	1.501		-1.0	
1,4-Dichlorobenzene	1.544	1.518		-1.7	20.0
Benzyl Alcohol	1.198	1.193		-0.4	
2,2-oxybis(1-Chloropropane)	2.000	1.862		-6.9	
Acetophenone	0.526	0.517		-1.7	
n-Nitroso-di-n-propylamine	1.193	1.152	0.050	-3.4	
Nitrobenzene-d5	0.400	0.407		1.8	
Hexachloroethane	0.617	0.627		1.6	
Nitrobenzene	0.411	0.412		0.2	
Isophorone	0.703	0.720		2.4	
bis(2-Chloroethoxy)methane	0.441	0.451		2.3	
1,2,4-Trichlorobenzene	0.309	0.302		-2.3	
Naphthalene	1.080	1.058		-2.0	
4-Chloroaniline	0.391	0.375		-4.1	
Hexachlorobutadiene	0.171	0.168		-1.8	20.0
Caprolactam	0.089	0.097		9.0	
2-Methylnaphthalene	0.719	0.693		-3.6	
Hexachlorocyclopentadiene	0.177	0.194	0.050	9.6	
2-Fluorobiphenyl	1.452	1.489		2.5	
1,1-Biphenyl	1.556	1.577		1.4	
2-Chloronaphthalene	1.208	1.206		-0.2	
2-Nitroaniline	0.355	0.393		10.7	
Dimethylphthalate	1.363	1.412		3.6	
Acenaphthylene	1.744	1.766		1.3	
2,6-Dinitrotoluene	0.288	0.308		6.9	
3-Nitroaniline	0.320	0.347		8.4	
Acenaphthene	1.222	1.250		2.3	20.0
Dibenzofuran	1.717	1.690		-1.6	
2,4-Dinitrotoluene	0.384	0.413		7.6	
Diethylphthalate	1.451	1.571		8.3	
4-Chlorophenyl-phenylether	0.707	0.696		-1.6	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

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

Instrument ID: BNA_M Calibration Date/Time: 09/19/2024 11:49

Lab File ID: BM047566.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Fluorene	1.546	1.546		0.0	
4-Nitroaniline	0.376	0.403		7.2	
n-Nitrosodiphenylamine	0.612	0.614		0.3	20.0
Azobenzene	1.597	1.675		4.9	
2,4,6-Tribromophenol	0.193	0.201		4.1	
4-Bromophenyl-phenylether	0.194	0.192		-1.0	
Hexachlorobenzene	0.220	0.218		-0.9	
Atrazine	0.169	0.142		-16.0	
Phenanthrene	1.102	1.082		-1.8	
Anthracene	1.059	1.059		0.0	
Carbazole	1.049	1.066		1.6	
Di-n-butylphthalate	1.256	1.479		17.8	
Fluoranthene	1.203	1.232		2.4	20.0
Benzidine	0.282	0.463		64.2	
Pyrene	1.459	1.474		1.0	
Terphenyl-dl4	1.116	1.244		11.5	
Butylbenzylphthalate	0.562	0.730		29.9	
3,3-Dichlorobenzidine	0.347	0.471		35.7	
Benzo(a)anthracene	1.304	1.336		2.5	
Chrysene	1.233	1.250		1.4	
Bis(2-ethylhexyl)phthalate	0.880	1.186		34.8	
Di-n-octyl phthalate	1.244	1.882		51.3	20.0
Benzo(b)fluoranthene	1.294	1.298		0.3	
Benzo(k)fluoranthene	1.282	1.261		-1.6	
Benzo(a)pyrene	1.061	1.080		1.8	20.0
Indeno(1,2,3-cd)pyrene	1.197	1.356		13.3	
Dibenzo(a,h)anthracene	1.007	1.134		12.6	
Benzo(g,h,i)perylene	0.984	1.114		13.2	
1,2,4,5-Tetrachlorobenzene	0.541	0.545		0.7	
1,4-Dioxane	0.538	0.526		-2.2	20.0
1-Methylnaphthalene	0.714	0.685		-4.1	

All other compounds must meet a minimum RRF of 0.010.

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

ClientSampleId :

SSTDCCC040

Manual Integrations**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	406101	20.000	ng	-0.01
21) Naphthalene-d8	10.639	136	1674497	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	905170	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1699865	20.000	ng	0.00
76) Chrysene-d12	21.433	240	1491886	20.000	ng	-0.01
86) Perylene-d12	24.462	264	1457823	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	2120899	83.155	ng	0.00
7) Phenol-d6	7.004	99	2892219	80.521	ng	0.00
23) Nitrobenzene-d5	8.998	82	2724089	81.415	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	727459	83.145	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	5391582	82.051	ng	-0.01
79) Terphenyl-d14	19.827	244	7423631	89.167	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.310	88	427123	39.098	ng	99
3) Pyridine	3.710	79	1242174m	38.199	ng	
4) n-Nitrosodimethylamine	3.616	42	528139	35.796	ng	# 91
6) Aniline	7.169	93	1232648	38.709	ng	99
8) 2-Chlorophenol	7.404	128	1121763	39.896	ng	99
9) Benzaldehyde	6.975	77	701465	41.071	ng	99
10) Phenol	7.028	94	1416117	39.375	ng	98
11) bis(2-Chloroethyl)ether	7.263	93	1162925	40.276	ng	99
12) 1,3-Dichlorobenzene	7.734	146	1219326	39.620	ng	99
13) 1,4-Dichlorobenzene	7.875	146	1232665	39.324	ng	98
14) 1,2-Dichlorobenzene	8.198	146	1190334	38.586	ng	99
15) Benzyl Alcohol	8.075	79	968822	39.820	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.375	45	1511971	37.226	ng	97
17) 2-Methylphenol	8.281	107	897728	39.073	ng	98
18) Hexachloroethane	8.928	117	509471	40.686	ng	98
19) n-Nitroso-di-n-propyla...	8.651	70	935365	38.623	ng	95
20) 3+4-Methylphenols	8.610	107	1229549	38.353	ng	97
22) Acetophenone	8.657	105	1731710	39.336	ng	# 99
24) Nitrobenzene	9.039	77	1379554	40.125	ng	100
25) Isophorone	9.569	82	2411668	40.999	ng	99
26) 2-Nitrophenol	9.745	139	537507	45.878	ng	99
27) 2,4-Dimethylphenol	9.810	122	719860	40.532	ng	99
28) bis(2-Chloroethoxy)met...	10.045	93	1510866	40.891	ng	99
29) 2,4-Dichlorophenol	10.280	162	919700	40.760	ng	98
30) 1,2,4-Trichlorobenzene	10.498	180	1010125	39.082	ng	97
31) Naphthalene	10.686	128	3543113	39.178	ng	100
32) Benzoic acid	9.939	122	757607	43.933	ng	96
33) 4-Chloroaniline	10.792	127	1257482	38.458	ng	99
34) Hexachlorobutadiene	10.980	225	563307	39.348	ng	98
35) Caprolactam	11.563	113	324237	43.628	ng	96
36) 4-Chloro-3-methylphenol	11.916	107	1061022	41.032	ng	98
37) 2-Methylnaphthalene	12.298	142	2319196	38.531	ng	99
38) 1-Methylnaphthalene	12.516	142	2294073	38.352	ng	99
40) 1,2,4,5-Tetrachloroben...	12.669	216	986570	40.279	ng	99
41) Hexachlorocyclopentadiene	12.657	237	351029	43.840	ng	98
43) 2,4,6-Trichlorophenol	12.904	196	663369	43.230	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047566.D
 Acq On : 19 Sep 2024 11:49
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	737007	42.523	ng	99
46) 1,1'-Biphenyl	13.310	154	2854654	40.533	ng	99
47) 2-Chloronaphthalene	13.351	162	2183481	39.928	ng	98
48) 2-Nitroaniline	13.545	65	711483	44.296	ng	97
49) Acenaphthylene	14.198	152	3196953	40.512	ng	100
50) Dimethylphthalate	13.933	163	2555716	41.425	ng	100
51) 2,6-Dinitrotoluene	14.039	165	557553	42.810	ng	96
52) Acenaphthene	14.539	154	2262183	40.913	ng	99
53) 3-Nitroaniline	14.368	138	628518	43.417	ng	99
54) 2,4-Dinitrophenol	14.568	184	269954	45.515	ng	99
55) Dibenzofuran	14.868	168	3060184	39.385	ng	97
56) 4-Nitrophenol	14.668	139	526372	44.188	ng	99
57) 2,4-Dinitrotoluene	14.827	165	748179	43.073	ng	97
58) Fluorene	15.521	166	2798113	39.999	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	556061	41.149	ng	96
60) Diethylphthalate	15.298	149	2844419	43.320	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	1260842	39.419	ng	100
62) 4-Nitroaniline	15.527	138	728904	42.836	ng	99
63) Azobenzene	15.804	77	3033161	41.953	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	353810	41.931	ng	95
66) n-Nitrosodiphenylamine	15.727	169	2087242	40.138	ng	100
67) 4-Bromophenyl-phenylether	16.404	248	651816	39.463	ng	97
68) Hexachlorobenzene	16.521	284	740115	39.554	ng	97
69) Atrazine	16.674	200	482956	33.602	ng	100
70) Pentachlorophenol	16.857	266	495121	45.647	ng	100
71) Phenanthrene	17.251	178	3679120	39.274	ng	100
72) Anthracene	17.339	178	3599776	39.996	ng	100
73) Carbazole	17.604	167	3623444	40.624	ng	99
74) Di-n-butylphthalate	18.180	149	5028415	47.117	ng	100
75) Fluoranthene	19.256	202	4186947	40.964	ng	97
77) Benzidine	19.439	184	1382959	65.820	ng	99
78) Pyrene	19.621	202	4397965	40.414	ng	100
80) Butylbenzylphthalate	20.515	149	2177713	51.985	ng	97
81) Benzo(a)anthracene	21.415	228	3987184	41.003	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	1405001	54.316	ng	99
83) Chrysene	21.480	228	3730252	40.556	ng	100
84) Bis(2-ethylhexyl)phtha...	21.350	149	3539026	53.928	ng	99
85) Di-n-octyl phthalate	22.491	149	5614359	60.483	ng	98
87) Indeno(1,2,3-cd)pyrene	27.885	276	3952483	45.304	ng	99
88) Benzo(b)fluoranthene	23.509	252	3785873	40.137	ng	99
89) Benzo(k)fluoranthene	23.568	252	3675308	39.316	ng	99
90) Benzo(a)pyrene	24.321	252	3150288	40.750	ng	99
91) Dibenzo(a,h)anthracene	27.944	278	3306709	45.050	ng	99
92) Benzo(g,h,i)perylene	28.950	276	3248885	45.311	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_M

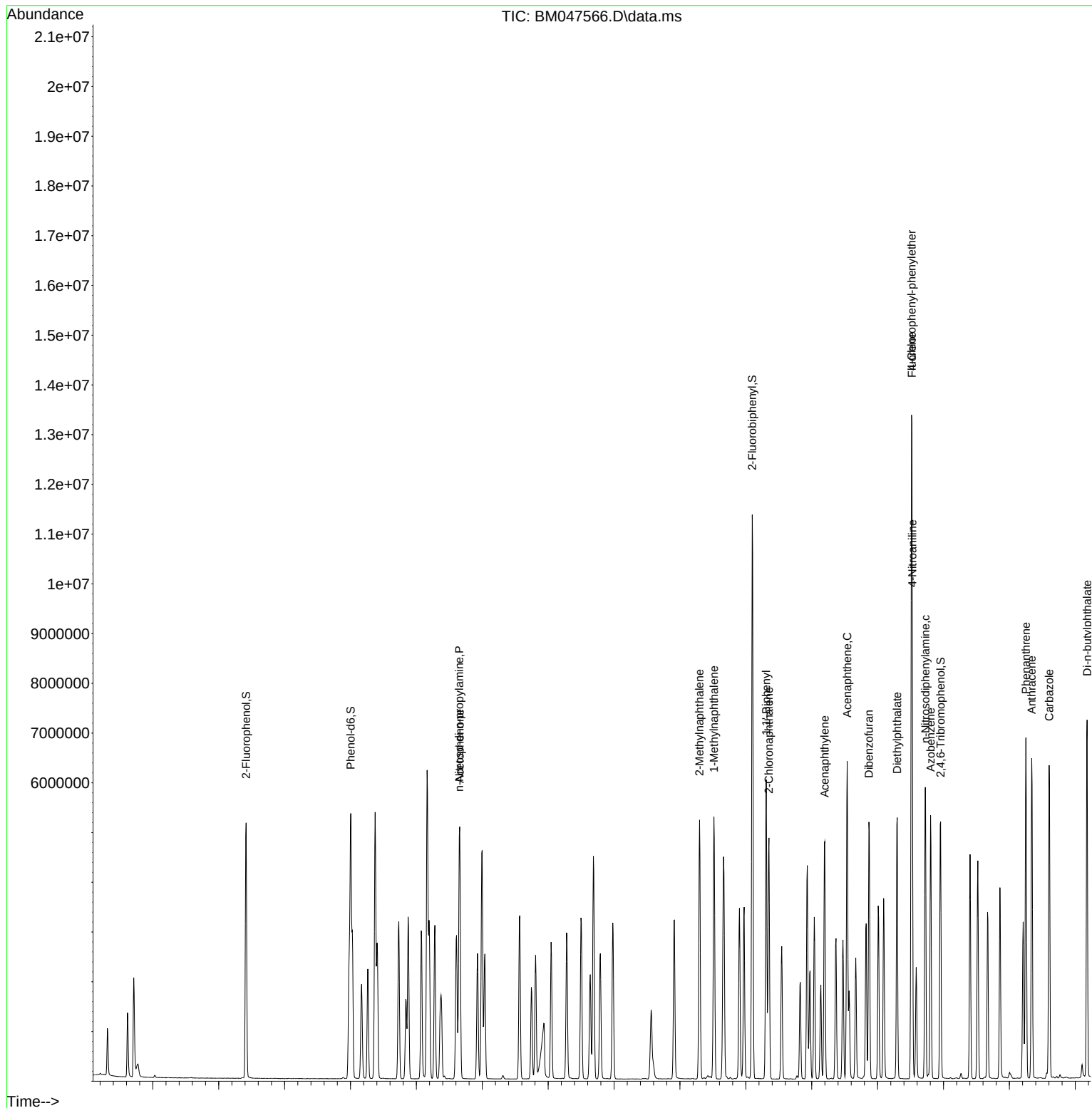
ClientSampleId :

SSTDCCC040

Manual Integrations**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

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



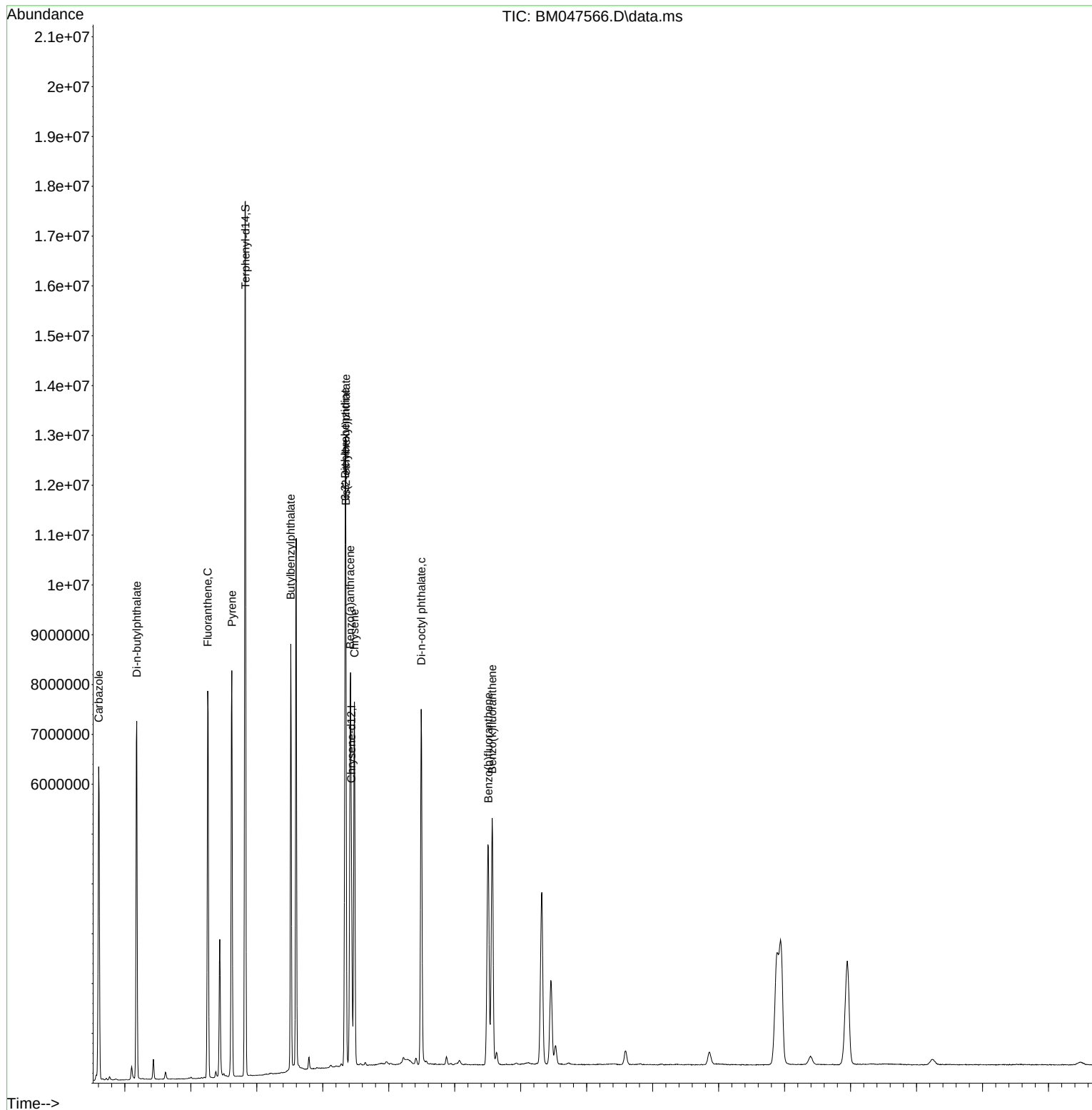
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

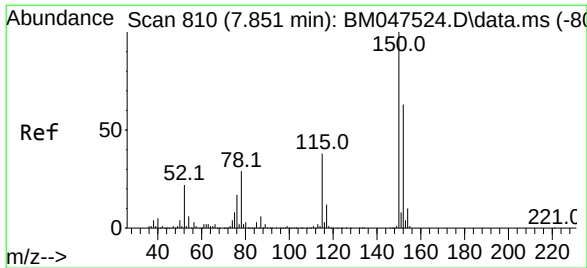
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

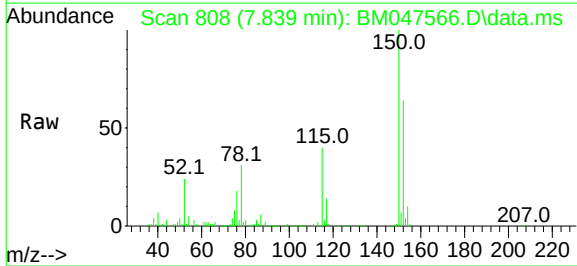
Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration





#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

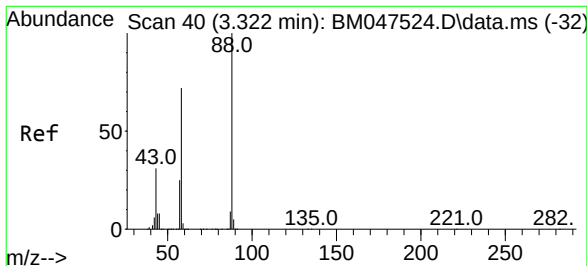
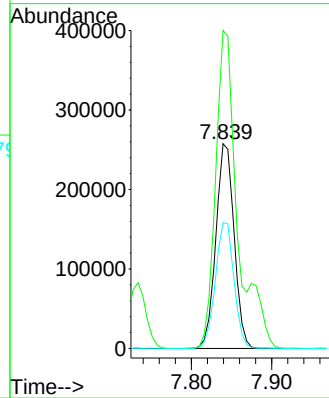
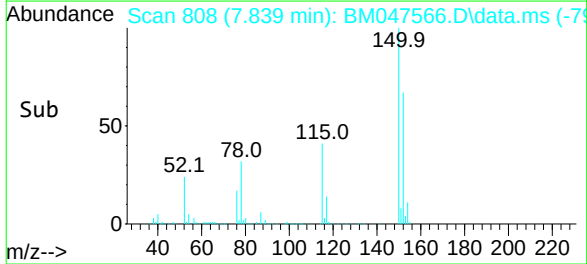
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

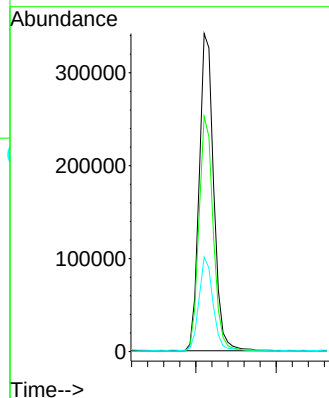
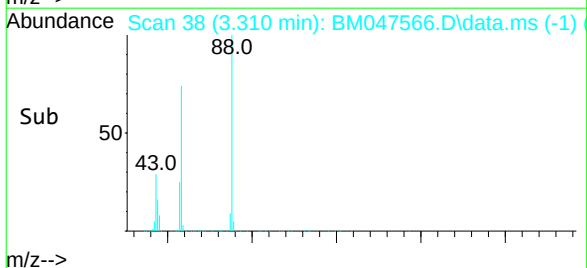
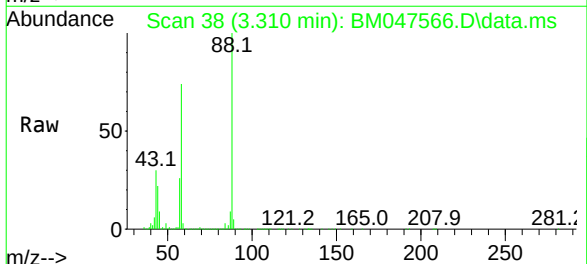
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

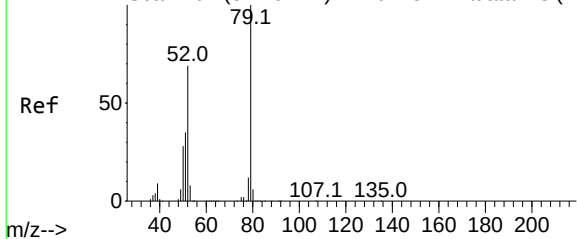


#2
1,4-Dioxane
Concen: 39.098 ng
RT: 3.310 min Scan# 38
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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



Abundance Scan 107 (3.716 min): BM047524.D\data.ms (-10)



#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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 1242174

Ion Ratio Lower Upper

79 100

52 65.5 55.4 83.0

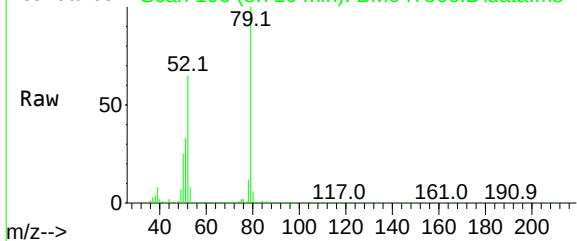
51 33.2 27.9 41.9

Manual Integrations

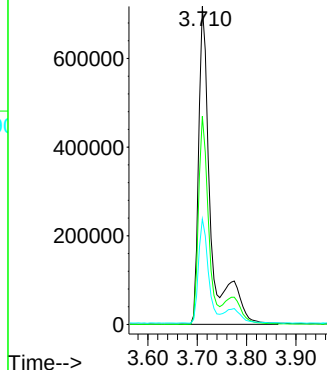
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

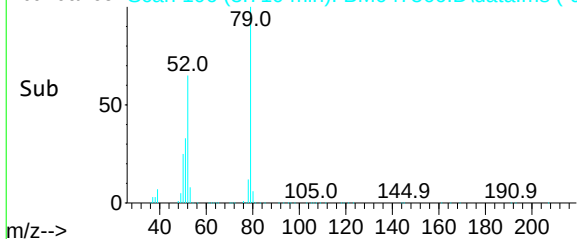
Abundance Scan 106 (3.710 min): BM047566.D\data.ms



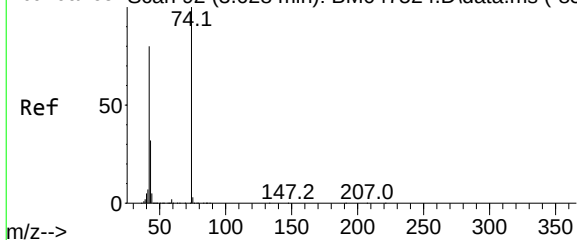
Abundance



Abundance Scan 106 (3.710 min): BM047566.D\data.ms (-90)



Abundance Scan 92 (3.628 min): BM047524.D\data.ms (-85)



#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

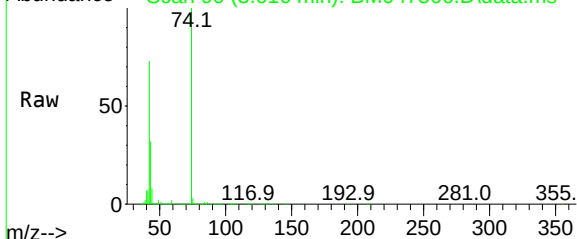
Ion Ratio Lower Upper

42 100

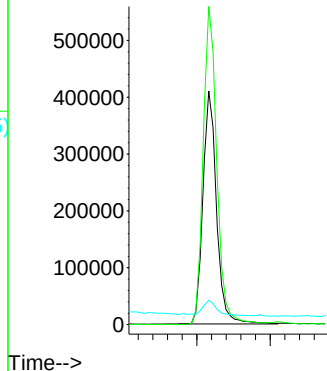
74 136.1 100.5 150.7

44 10.4 6.9 10.3#

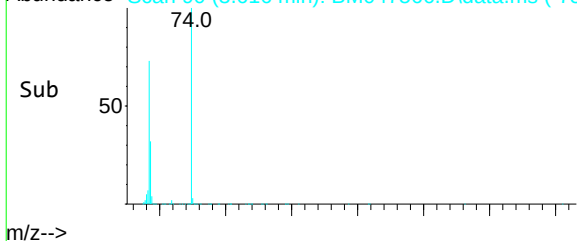
Abundance Scan 90 (3.616 min): BM047566.D\data.ms

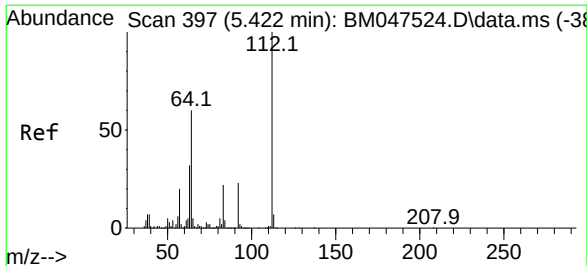


Abundance



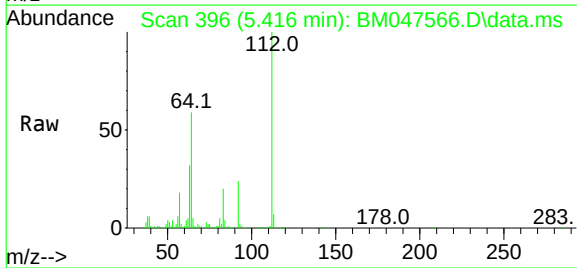
Abundance Scan 90 (3.616 min): BM047566.D\data.ms (-75)





#5
2-Fluorophenol
Concen: 83.155 ng
RT: 5.416 min Scan# 397
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

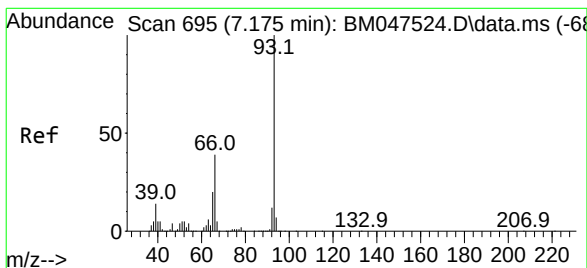
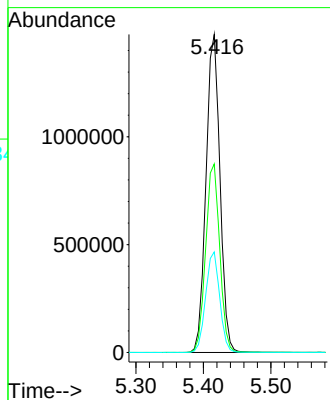
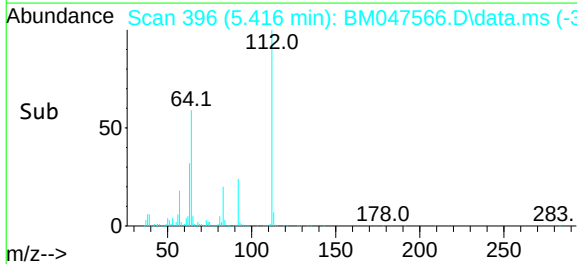
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

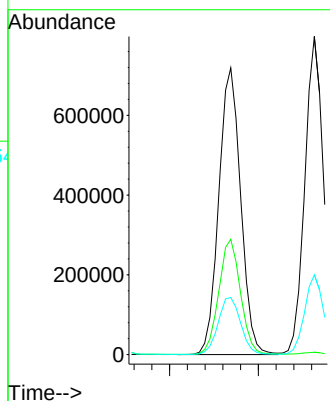
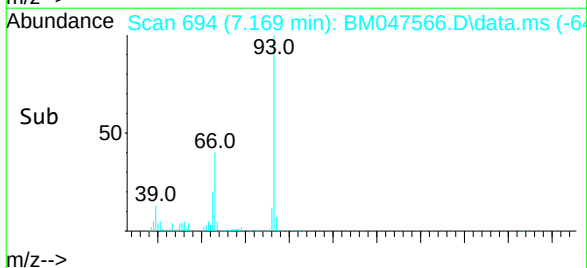
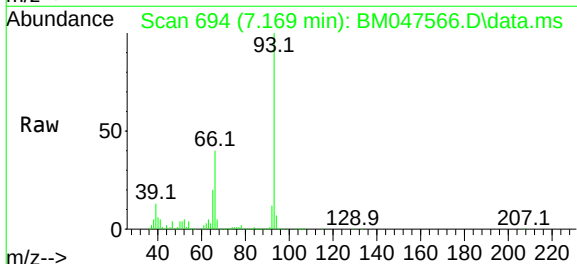
Manual Integrations
APPROVED

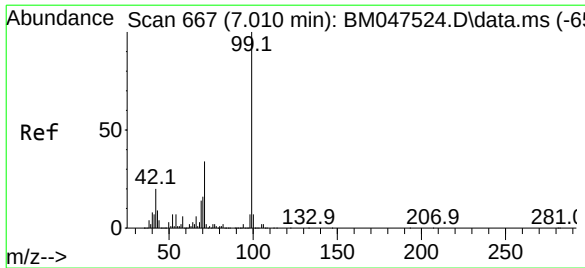
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

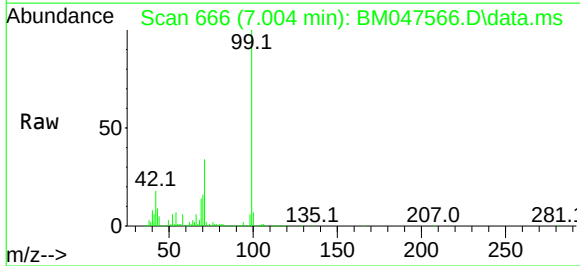
Tgt Ion: 93 Resp: 1232648
Ion Ratio Lower Upper
93 100
66 40.2 31.4 47.0
65 19.9 16.3 24.5





#7
Phenol-d6
Concen: 80.521 ng
RT: 7.004 min Scan# 667
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

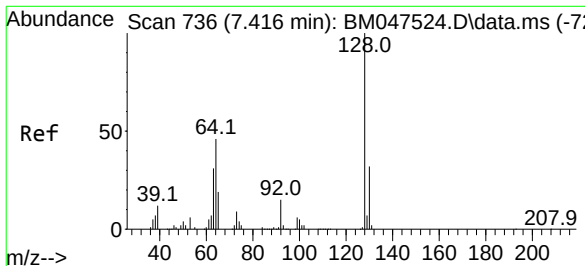
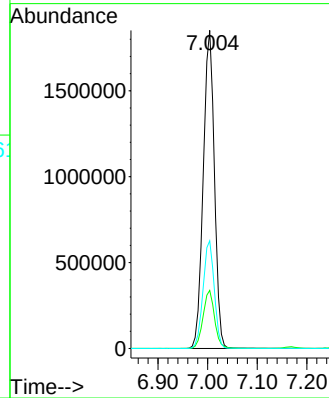
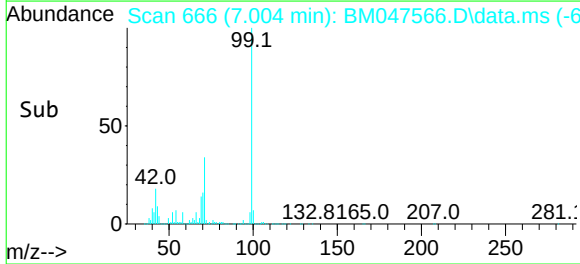
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

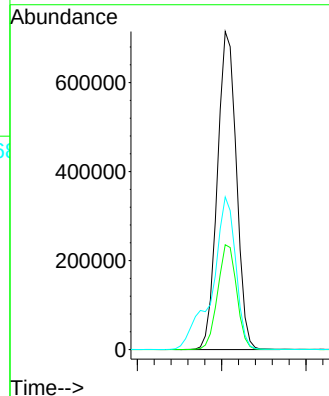
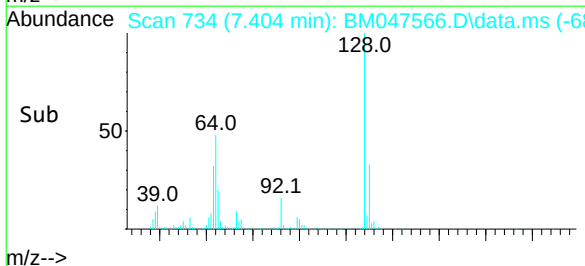
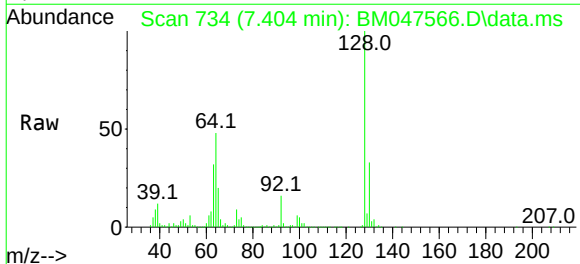
Manual Integrations
APPROVED

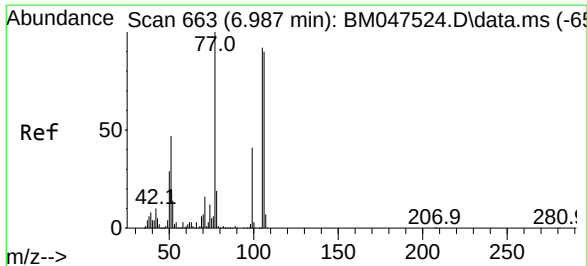
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#8
2-Chlorophenol
Concen: 39.896 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

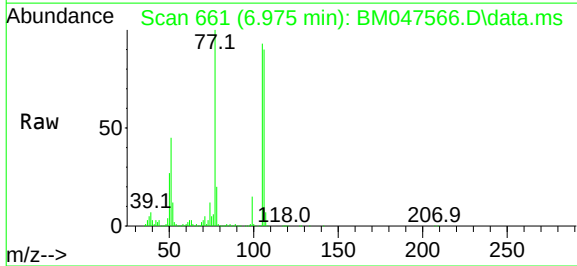
Tgt Ion:128 Resp: 1121763
Ion Ratio Lower Upper
128 100
130 33.0 11.8 51.8
64 48.0 27.6 67.6





#9
Benzaldehyde
Concen: 41.071 ng
RT: 6.975 min Scan# 663
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

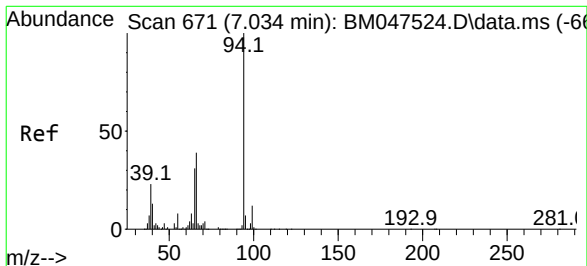
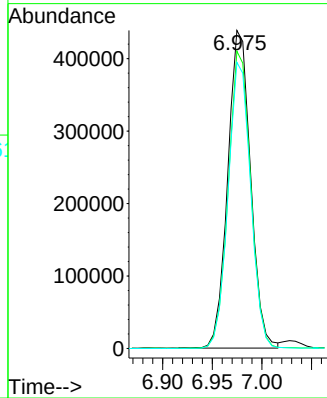
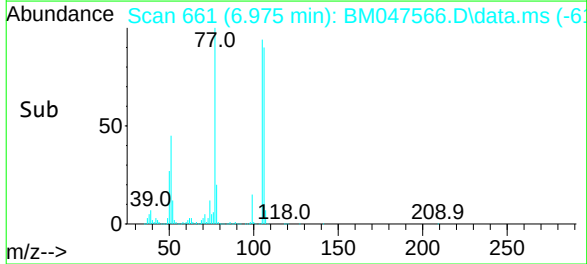
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

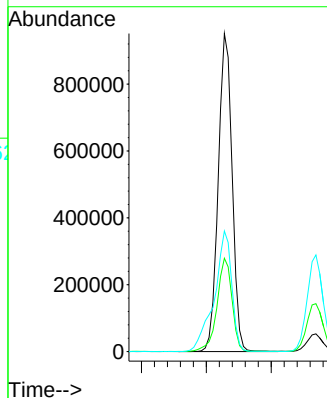
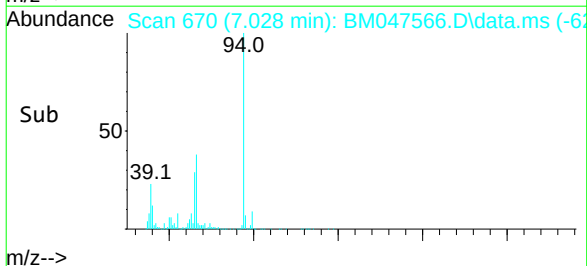
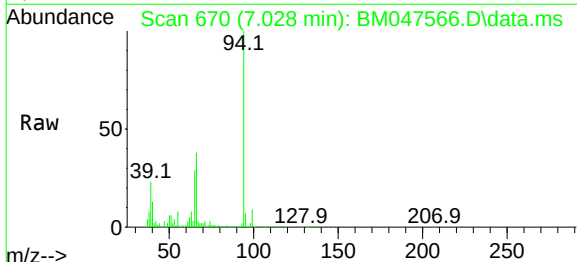
Manual Integrations
APPROVED

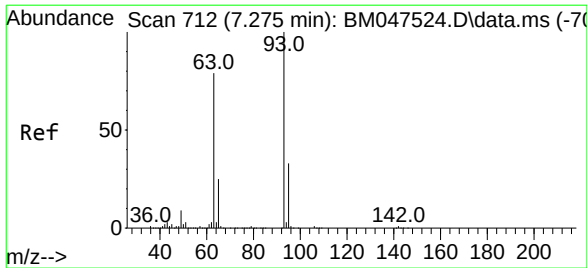
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

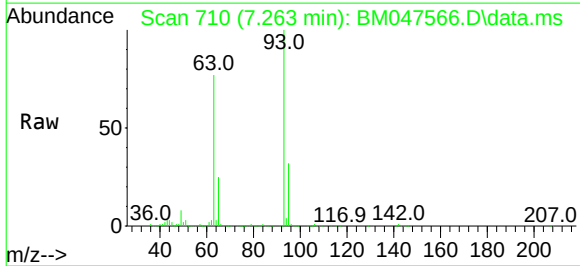
Tgt Ion: 94 Resp: 1416117
Ion Ratio Lower Upper
94 100
65 29.3 10.8 50.8
66 37.9 19.2 59.2





#11
bis(2-Chloroethyl)ether
Concen: 40.276 ng
RT: 7.263 min Scan# 711
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

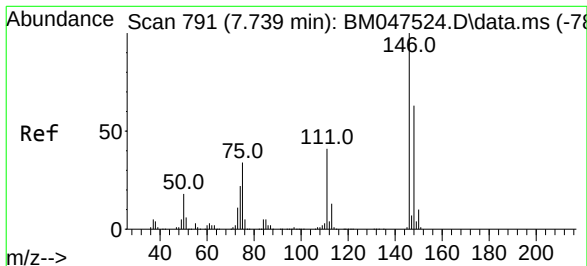
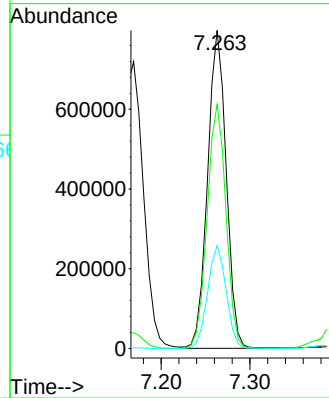
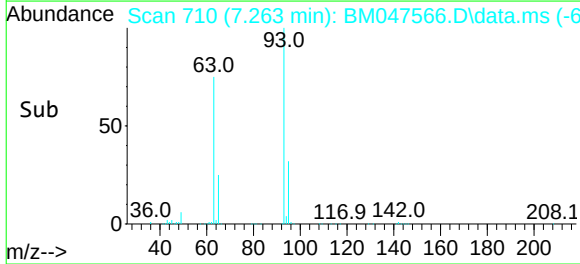
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

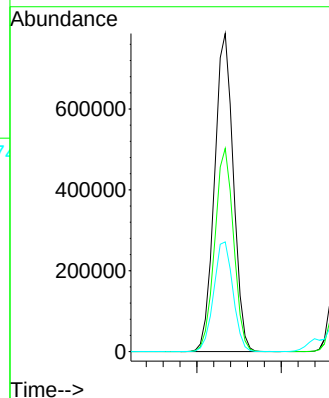
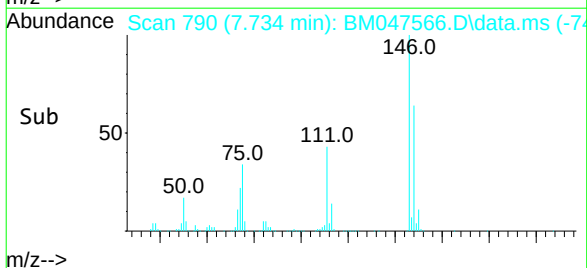
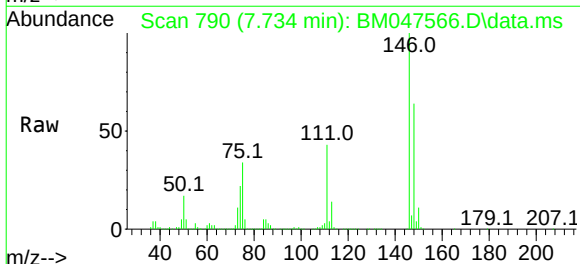
Manual Integrations
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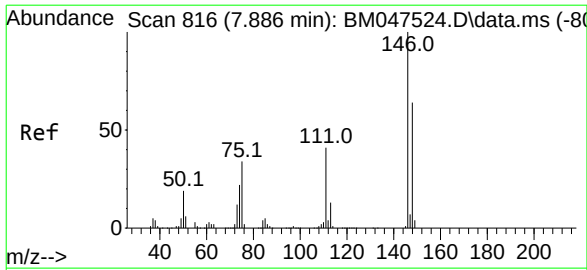
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

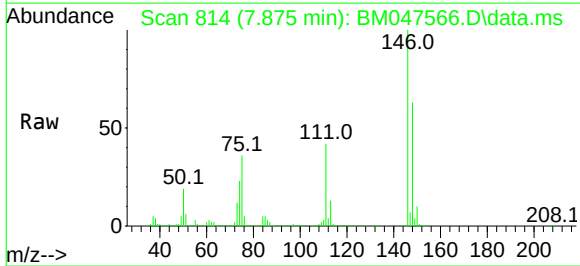
Tgt Ion:146 Resp: 1219326
Ion Ratio Lower Upper
146 100
148 63.9 50.2 75.4
75 34.5 27.4 41.0





#13
1,4-Dichlorobenzene
Concen: 39.324 ng
RT: 7.875 min Scan# 816
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

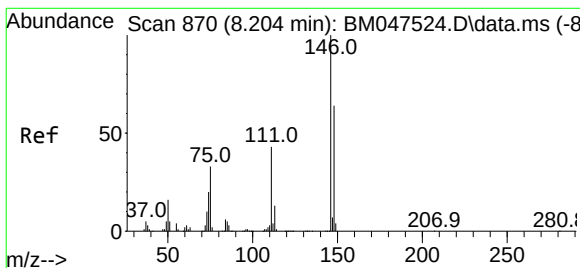
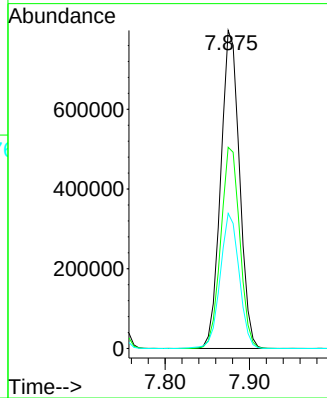
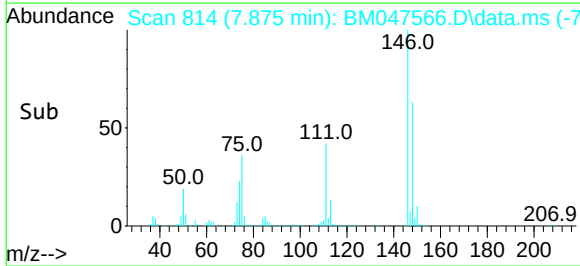
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

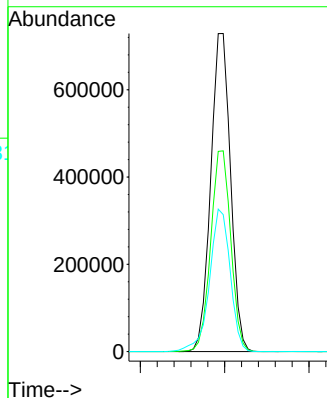
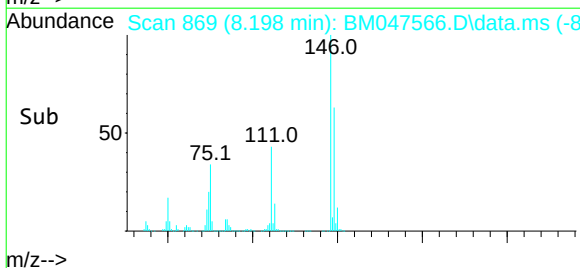
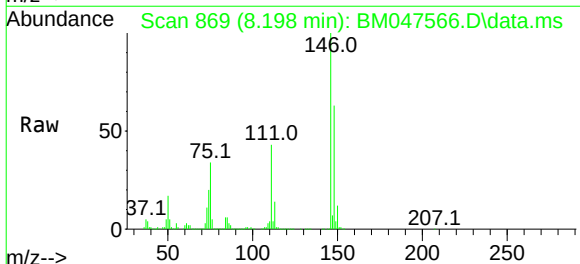
Manual Integrations
APPROVED

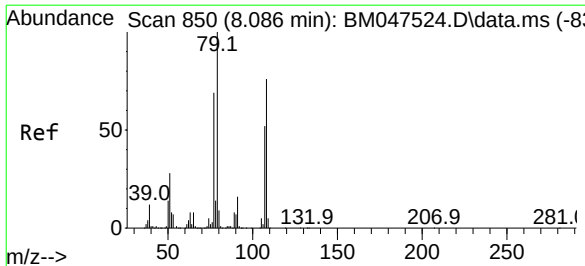
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 968822

Ion Ratio Lower Upper

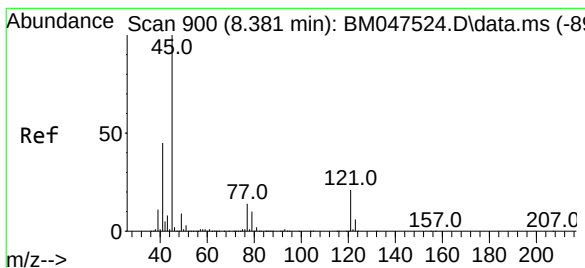
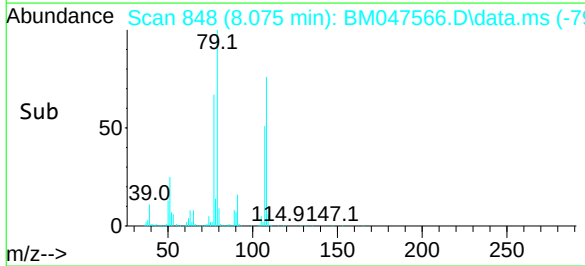
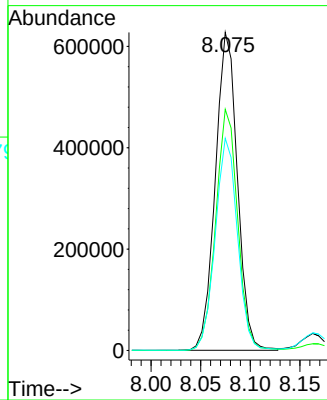
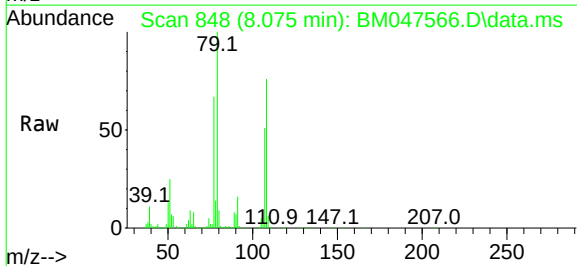
79 100

108 75.8 60.6 91.0

77 66.7 55.0 82.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.226 ng

RT: 8.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

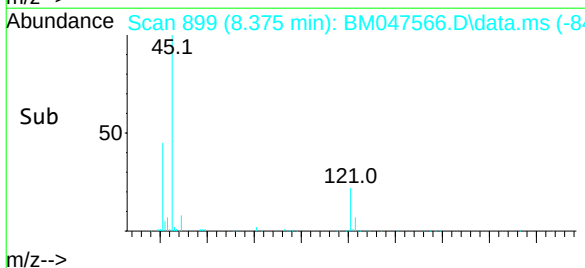
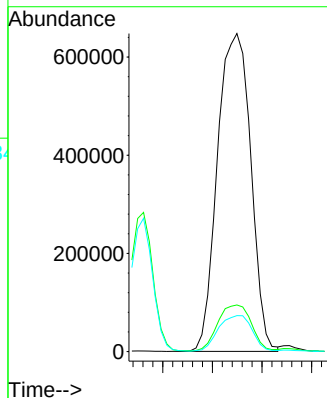
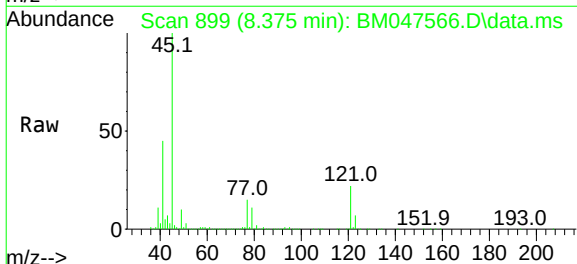
Tgt Ion: 45 Resp: 1511971

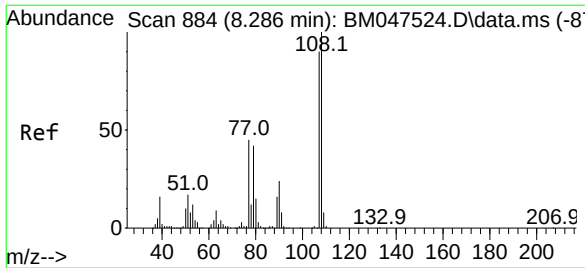
Ion Ratio Lower Upper

45 100

77 14.7 0.0 33.7

79 11.3 0.0 30.3





#17

2-Methylphenol

Concen: 39.073 ng

RT: 8.281 min Scan# 884

Delta R.T. -0.006 min

Lab File: BM047566.D

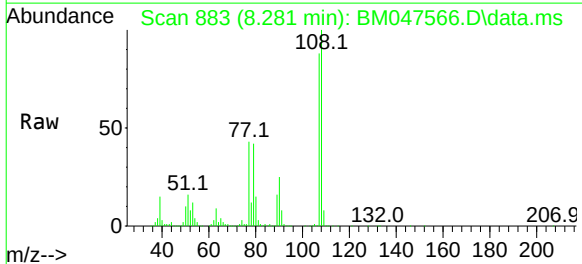
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion:107 Resp: 897728

Ion Ratio Lower Upper

107 100

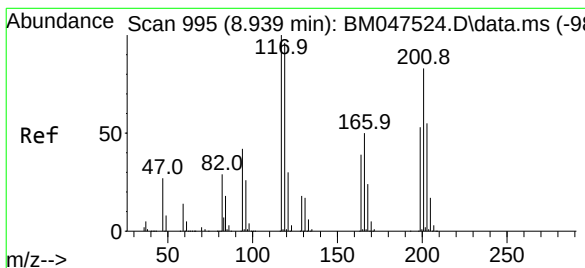
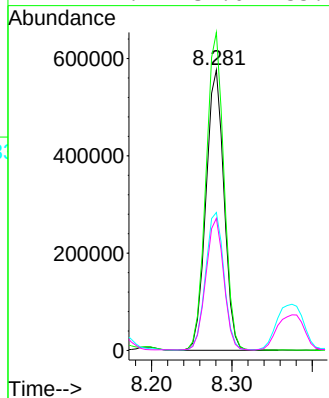
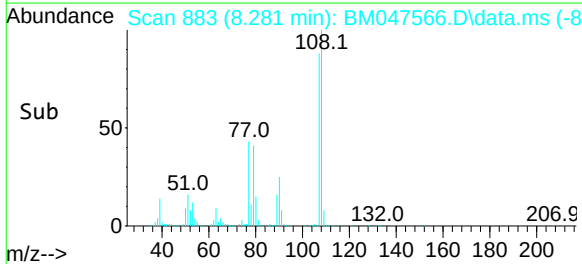
108 113.4 88.9 133.3

77 49.2 39.8 59.8

79 47.1 37.0 55.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#18

Hexachloroethane

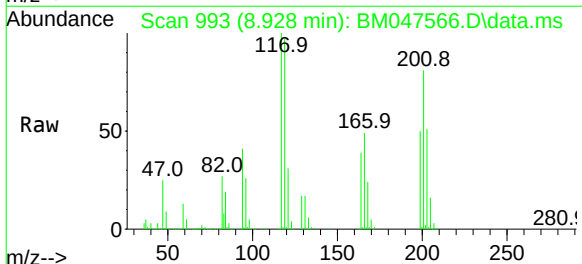
Concen: 40.686 ng

RT: 8.928 min Scan# 993

Delta R.T. -0.012 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49



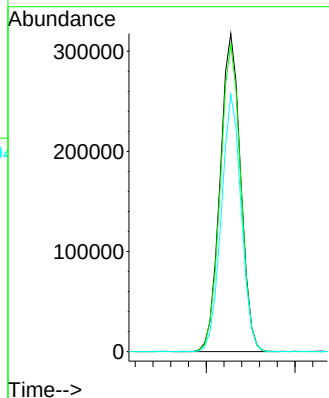
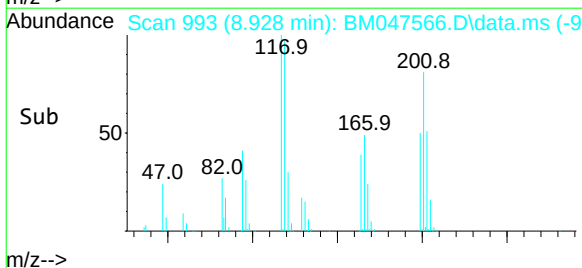
Tgt Ion:117 Resp: 509471

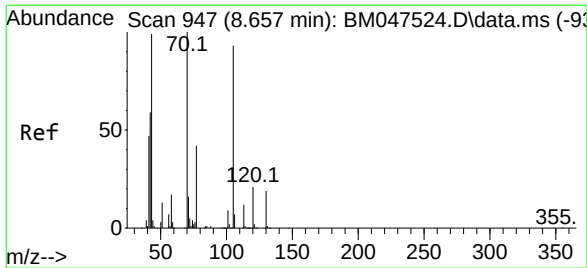
Ion Ratio Lower Upper

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

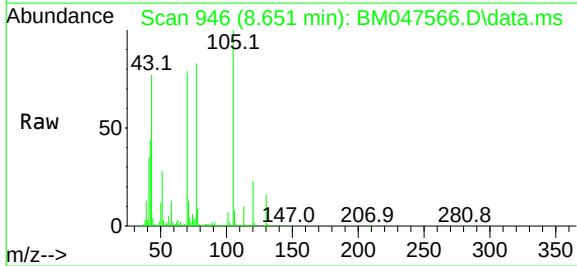
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 935365

Ion Ratio Lower Upper

70 100

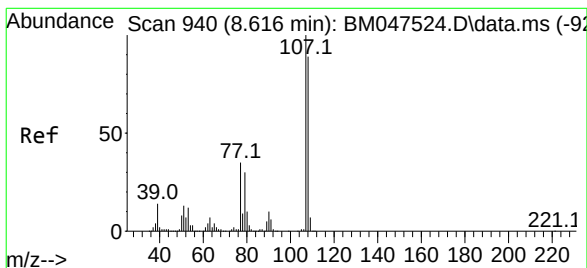
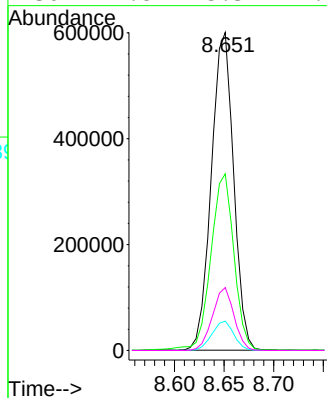
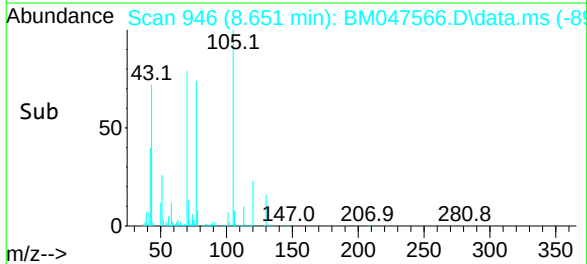
42 55.5 48.2 72.2

101 9.2 7.0 10.4

130 19.8 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

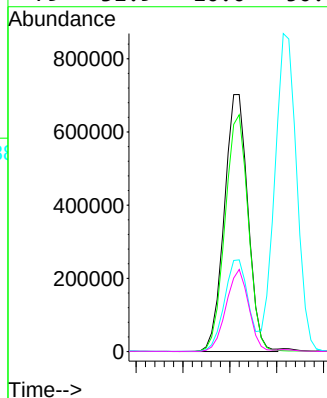
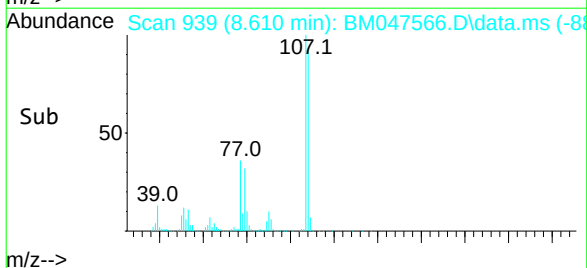
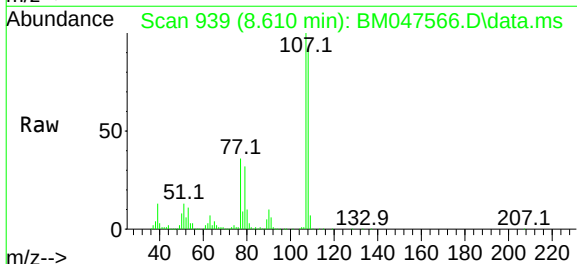
Ion Ratio Lower Upper

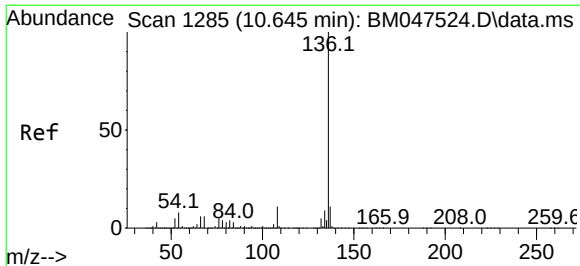
107 100

108 92.1 68.9 108.9

77 35.7 15.5 55.5

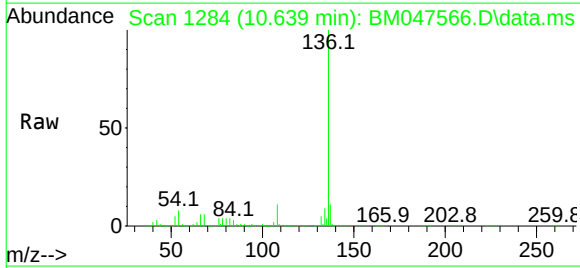
79 31.9 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

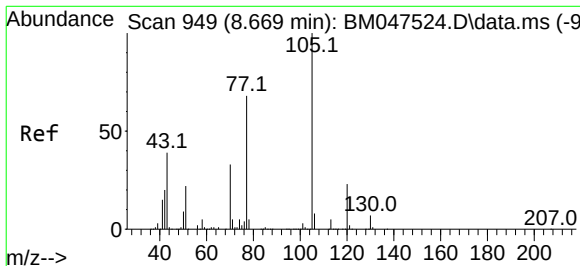
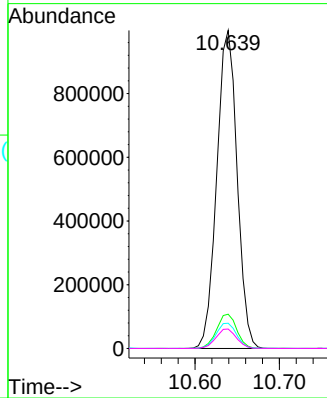
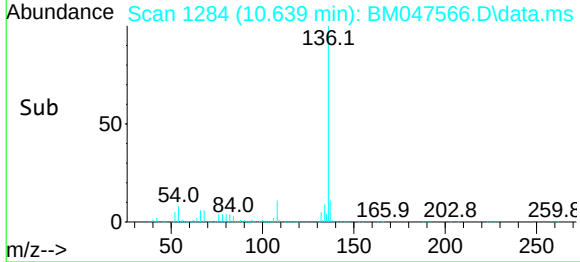
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

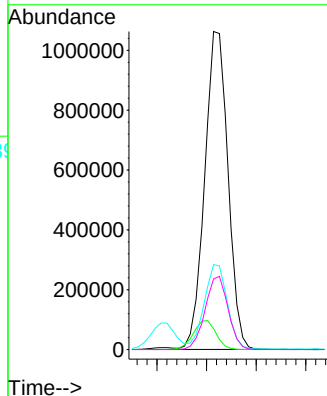
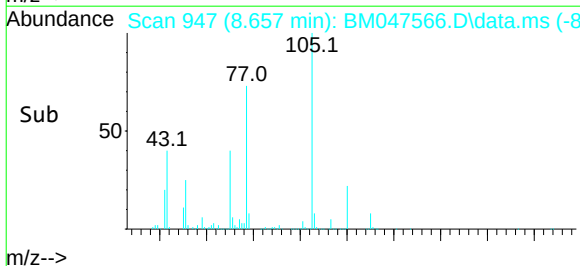
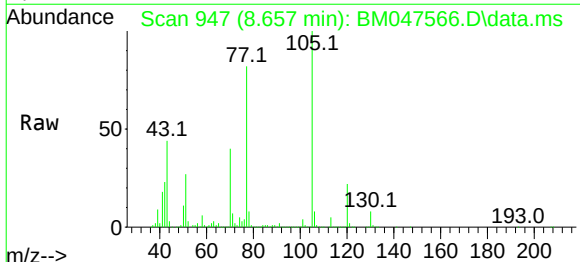
Manual Integrations
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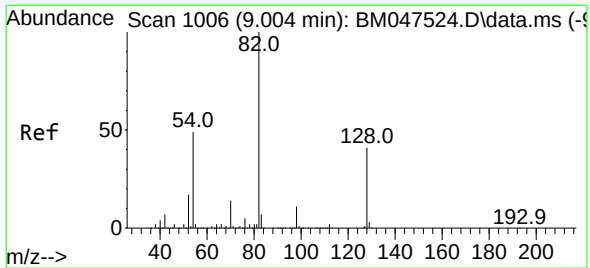
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

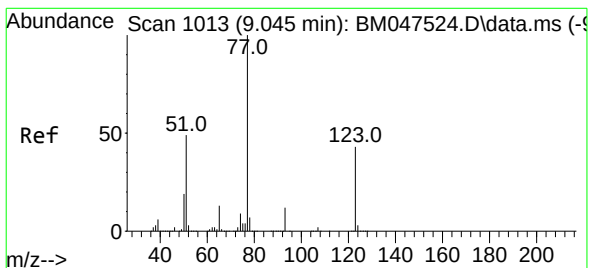
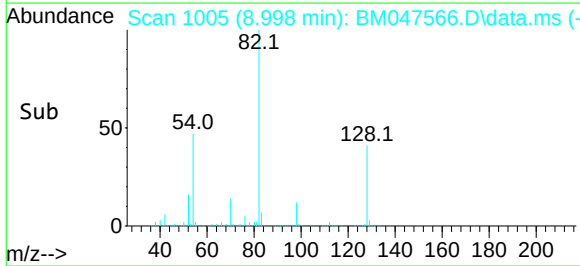
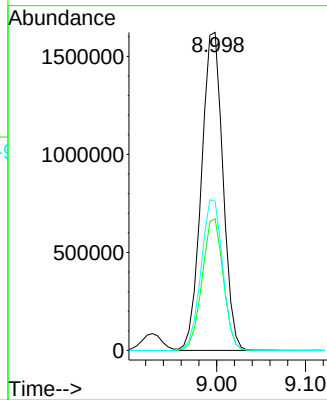
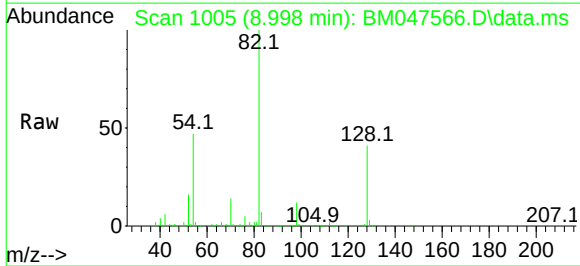
Tgt Ion: 82 Resp: 2724089

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	47.0	39.3	58.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#24

Nitrobenzene

Concen: 40.125 ng

RT: 9.039 min Scan# 1012

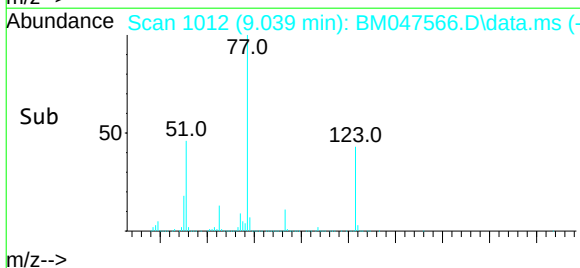
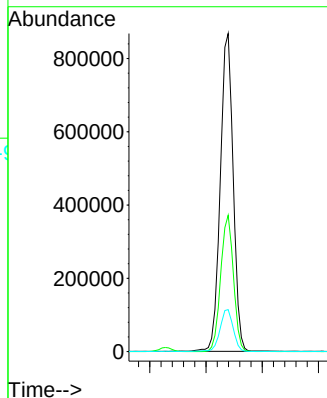
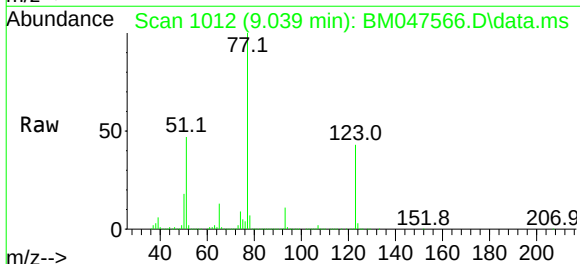
Delta R.T. -0.006 min

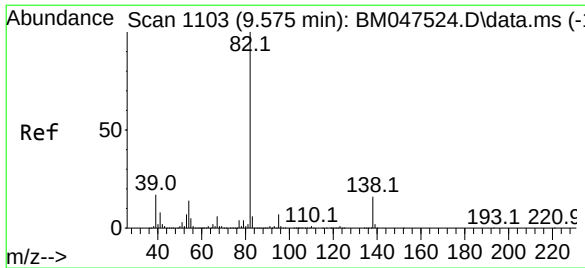
Lab File: BM047566.D

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# 1103

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

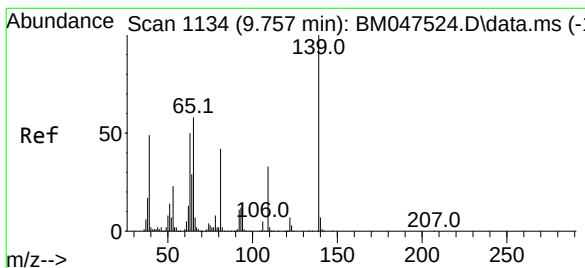
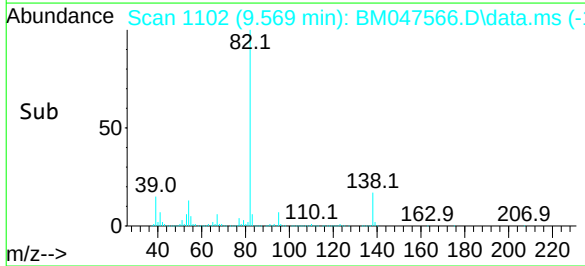
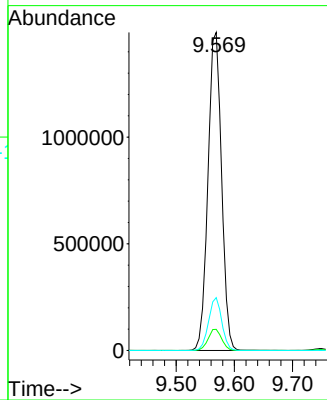
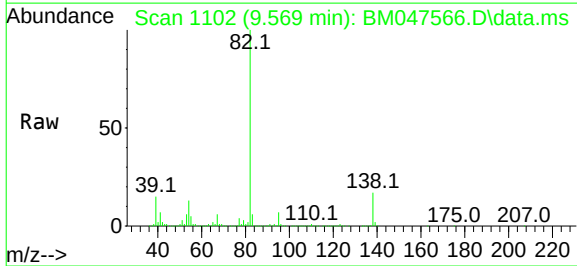
82 100

95 6.6 5.4 8.0

138 16.6 12.9 19.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

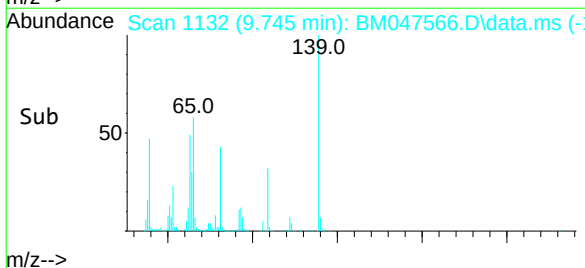
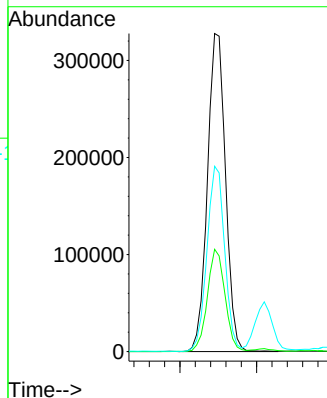
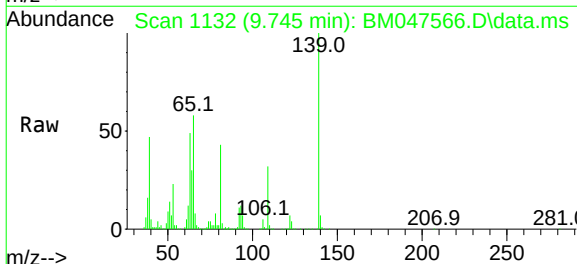
Tgt Ion:139 Resp: 537507

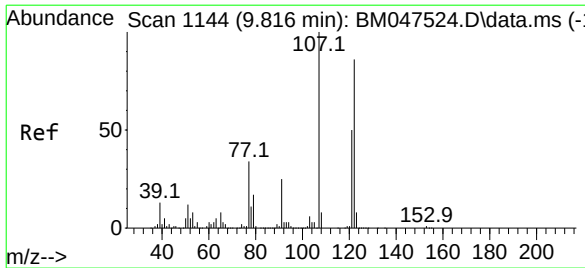
Ion Ratio Lower Upper

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# 1144

Delta R.T. -0.006 min

Lab File: BM047566.D

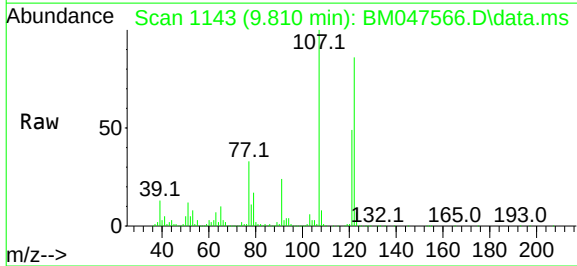
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion: 122 Resp: 719866

Ion Ratio Lower Upper

122 100

107 116.3 92.4 138.6

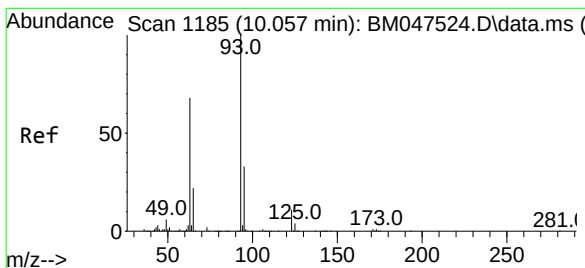
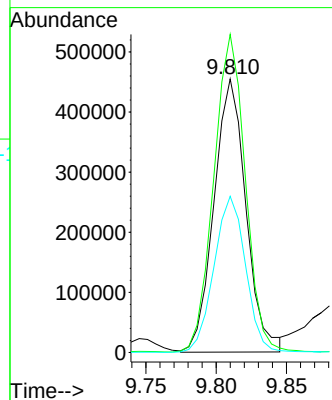
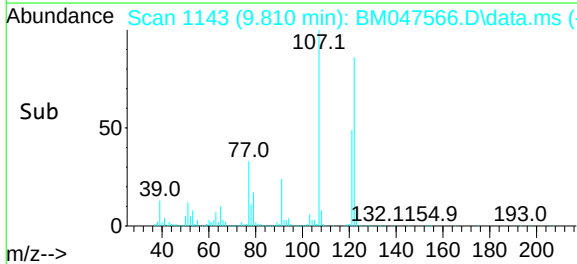
121 57.1 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

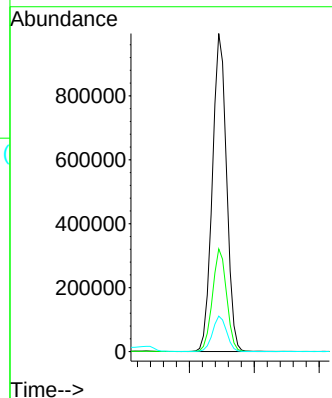
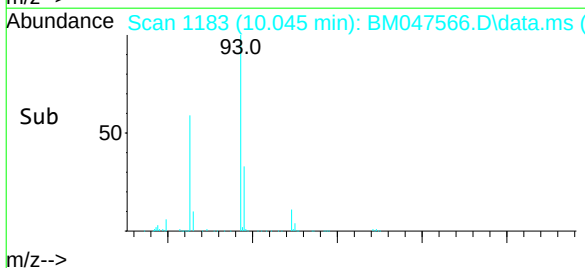
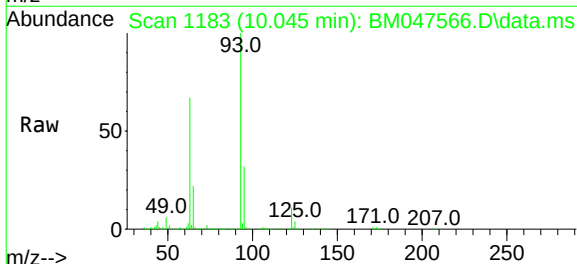
Tgt Ion: 93 Resp: 1510866

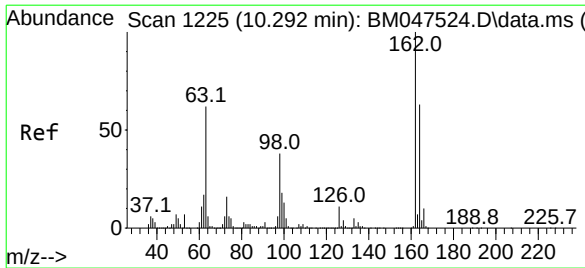
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 919700

Ion Ratio Lower Upper

162 100

164 63.2 43.5 83.5

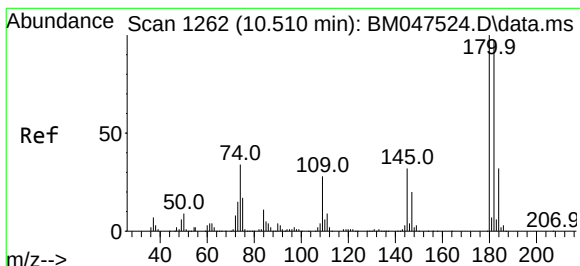
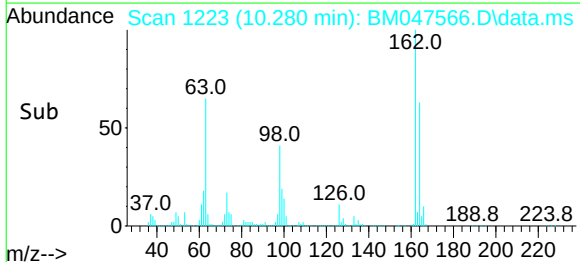
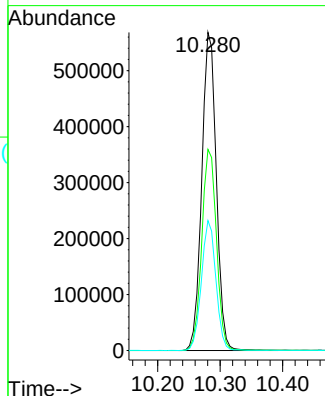
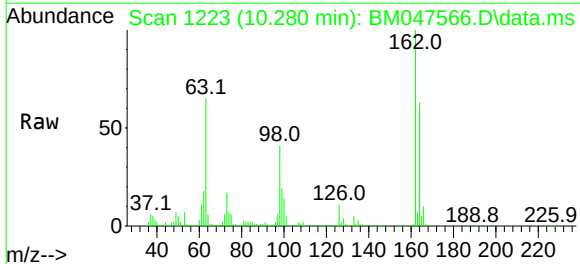
98 40.8 17.6 57.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

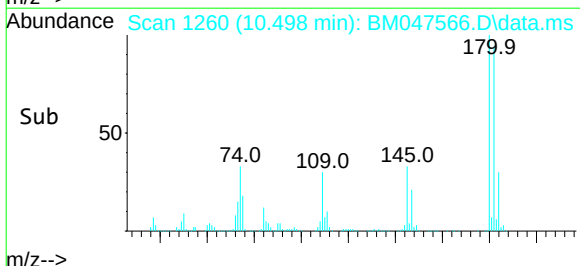
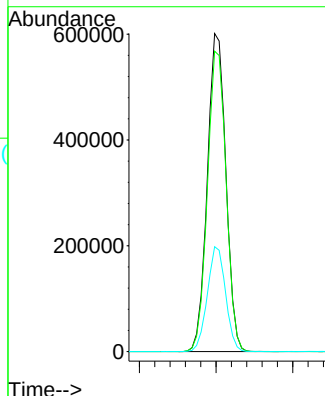
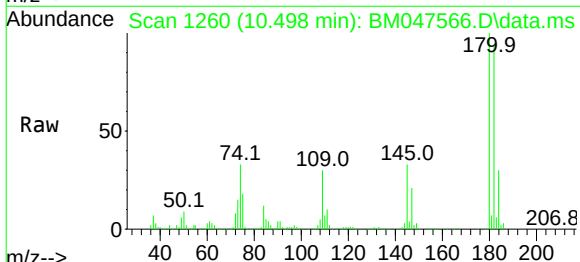
Tgt Ion:180 Resp: 1010125

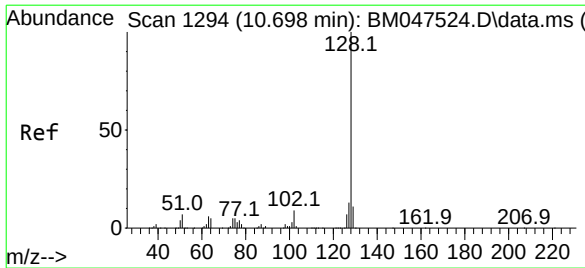
Ion Ratio Lower Upper

180 100

182 94.4 77.6 116.4

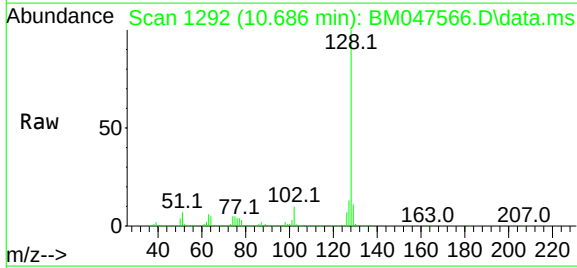
145 33.0 25.4 38.0





#31
Naphthalene
Concen: 39.178 ng
RT: 10.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

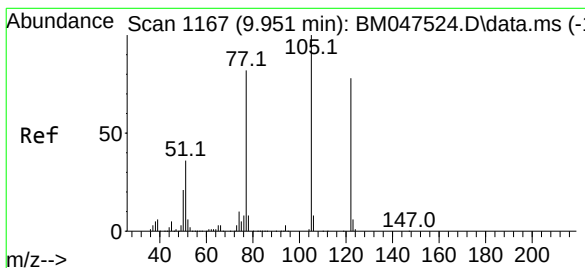
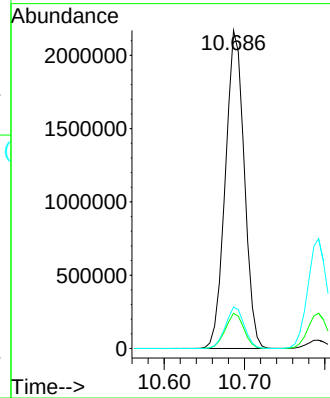
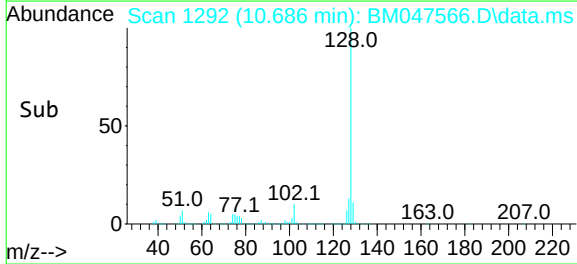
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

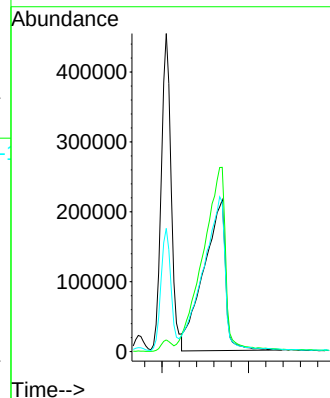
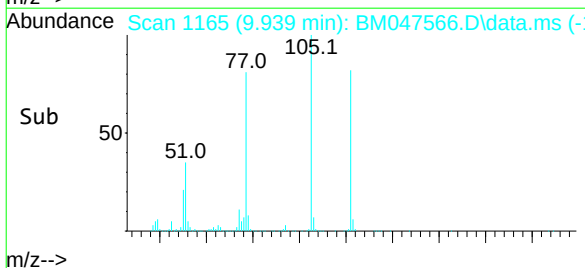
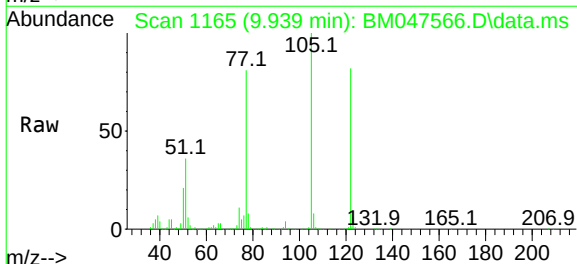
Manual Integrations
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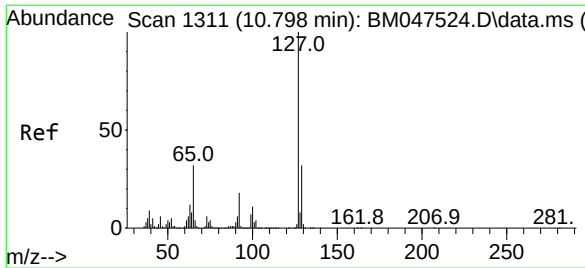
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

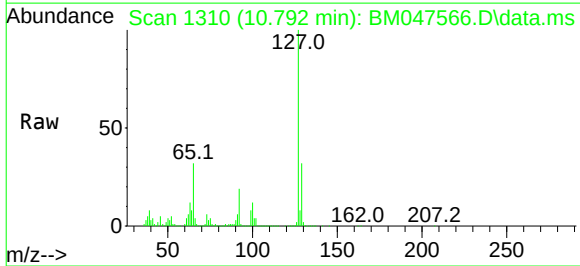
Tgt Ion:122 Resp: 757607
Ion Ratio Lower Upper
122 100
105 121.6 104.7 144.7
77 98.6 83.4 123.4





#33
4-Chloroaniline
Concen: 38.458 ng
RT: 10.792 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

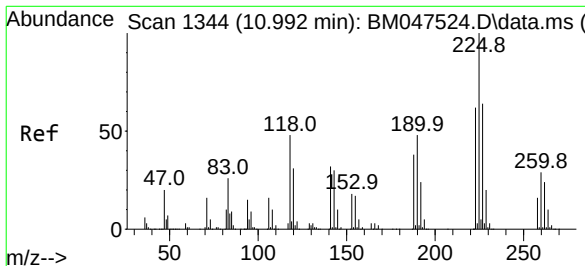
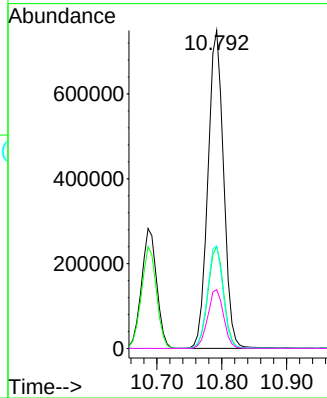
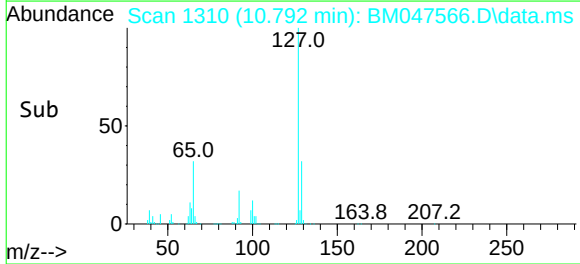
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

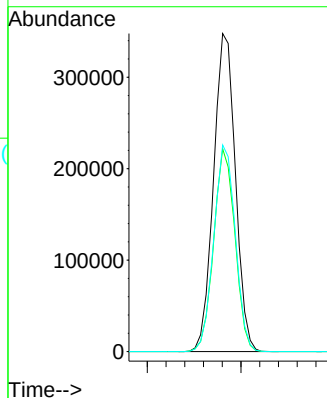
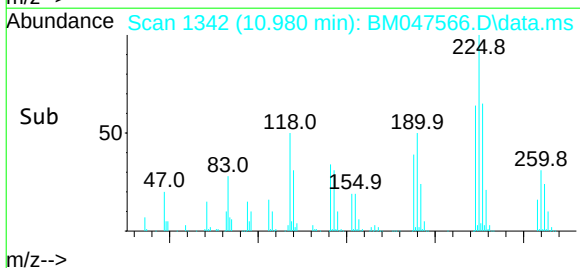
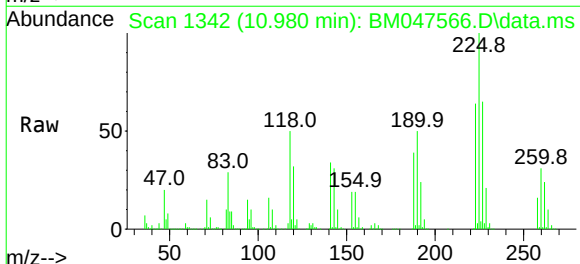
Manual Integrations
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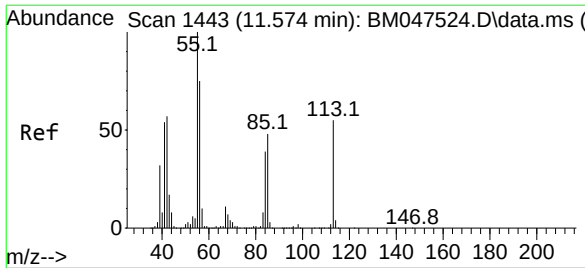
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 324237

Ion Ratio Lower Upper

113 100

55 175.0 162.5 202.5

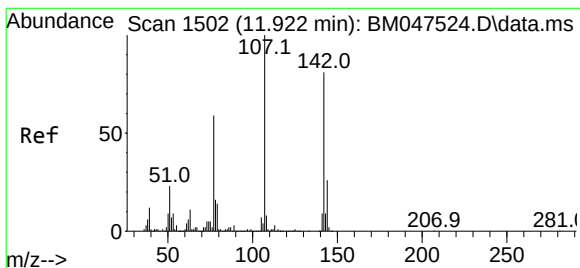
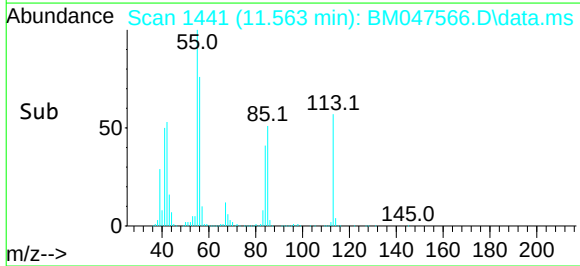
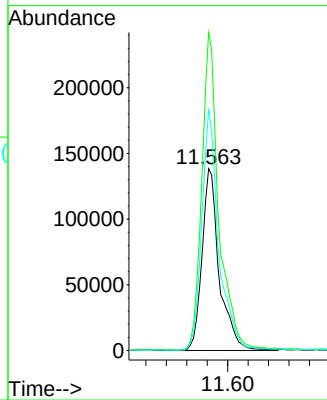
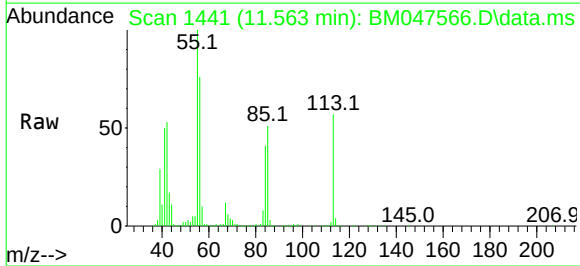
56 133.0 116.5 156.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#36

4-Chloro-3-methylphenol

Concen: 41.032 ng

RT: 11.916 min Scan# 1501

Delta R.T. -0.006 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

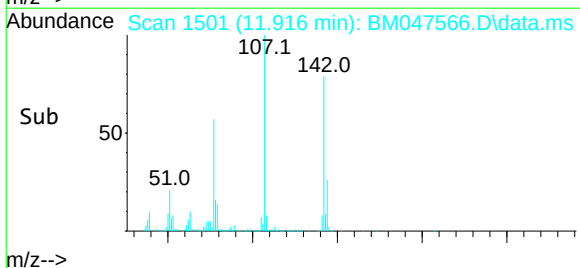
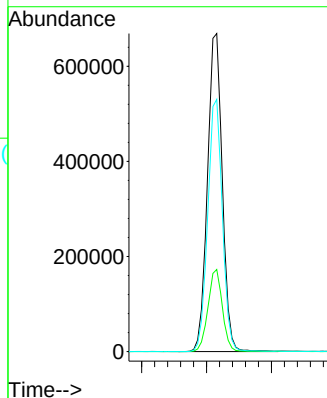
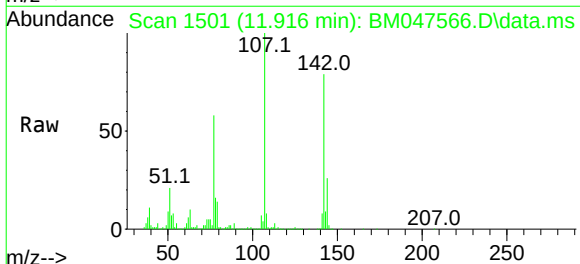
Tgt Ion:107 Resp: 1061022

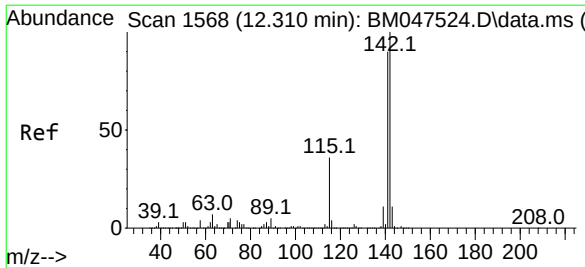
Ion Ratio Lower Upper

107 100

144 25.8 20.5 30.7

142 79.3 65.0 97.4





#37

2-Methylnaphthalene

Concen: 38.531 ng

RT: 12.298 min Scan# 15

Delta R.T. -0.012 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:142 Resp: 2319196

Ion Ratio Lower Upper

142 100

141 89.5 72.2 108.4

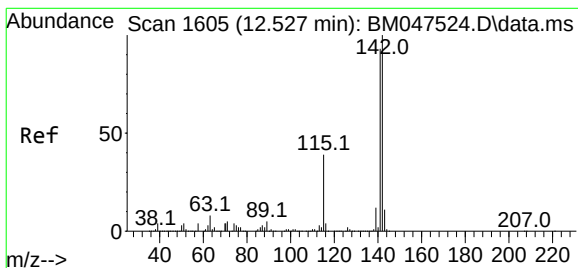
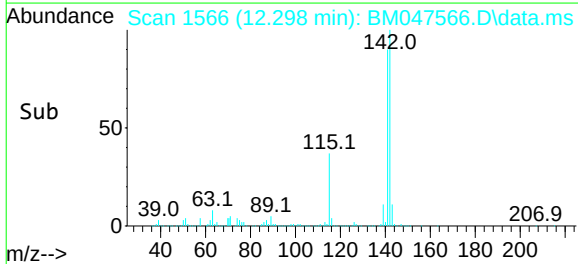
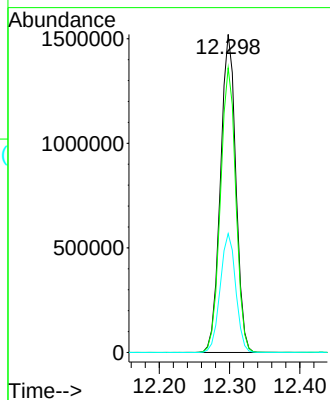
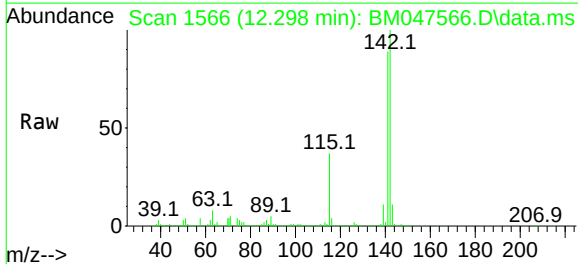
115 37.4 29.1 43.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

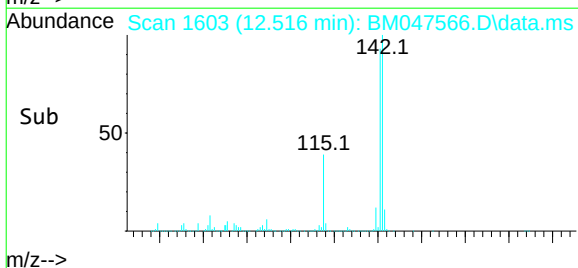
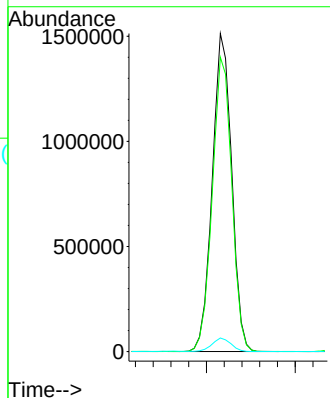
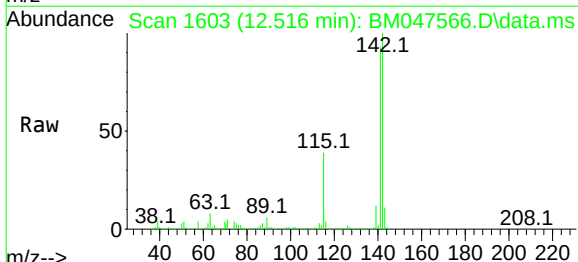
Tgt Ion:142 Resp: 2294073

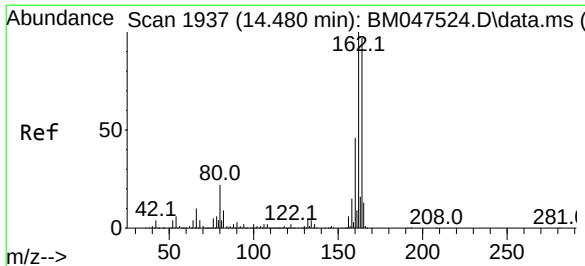
Ion Ratio Lower Upper

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

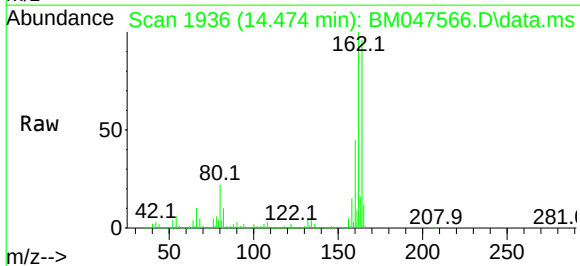
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

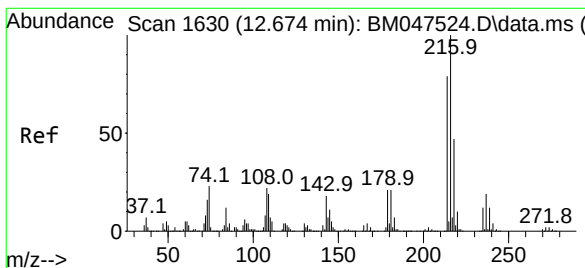
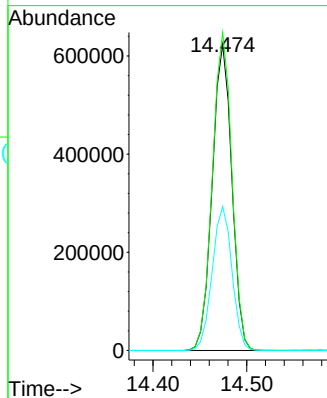
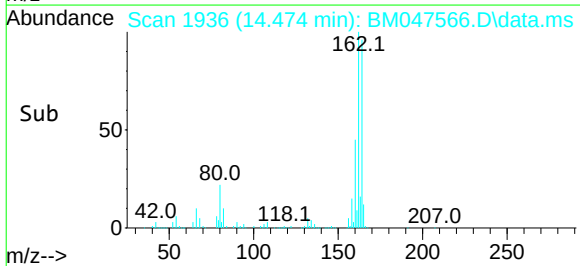


Tgt Ion:	164	Resp:	905170
Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.2
160	47.1	38.2	57.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#40

1,2,4,5-Tetrachlorobenzene

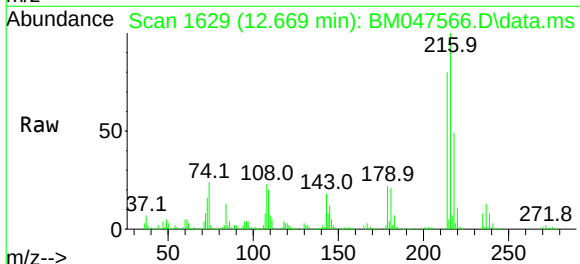
Concen: 40.279 ng

RT: 12.669 min Scan# 1629

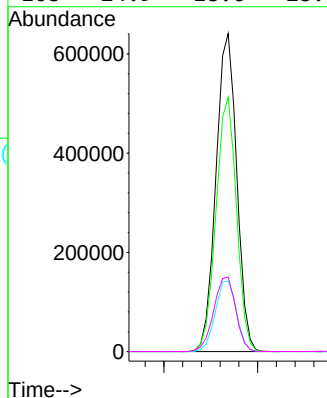
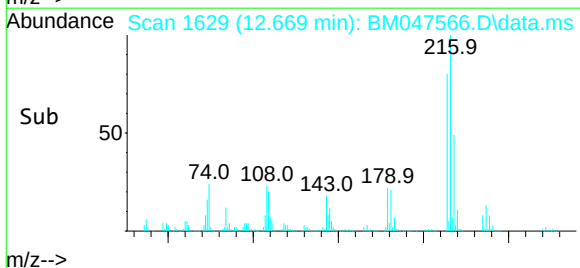
Delta R.T. -0.006 min

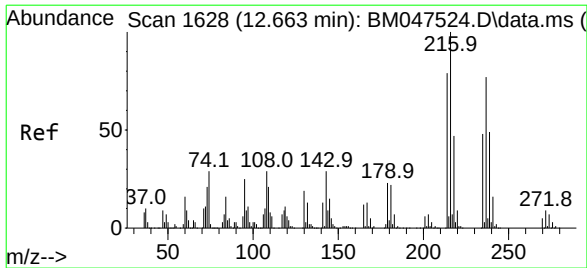
Lab File: BM047566.D

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

Instrument :

BNA_M

ClientSampleId :

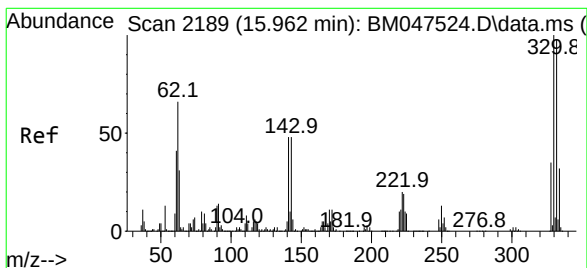
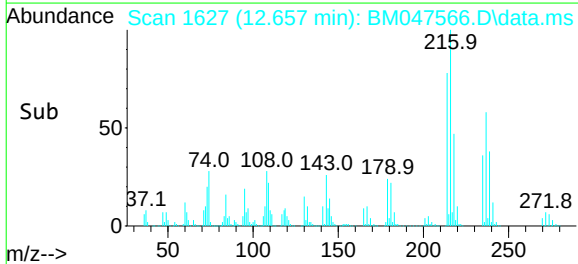
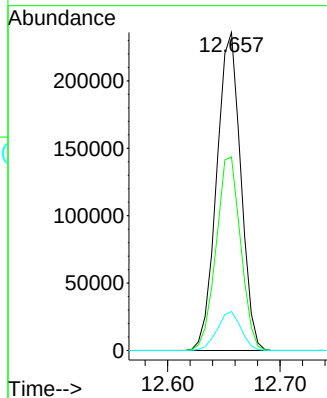
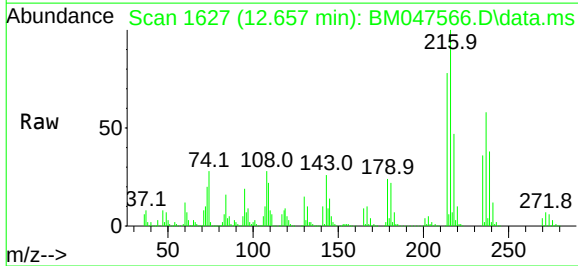
SSTDCCC040

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#42

2,4,6-Tribromophenol

Concen: 83.145 ng

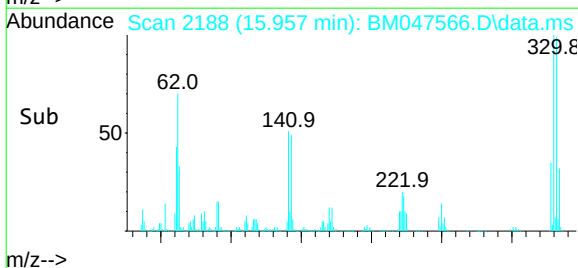
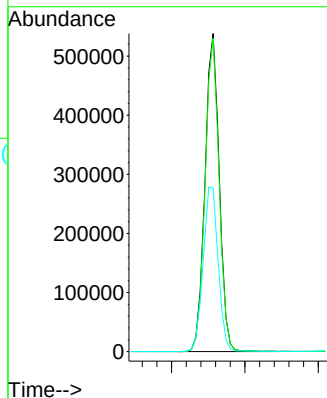
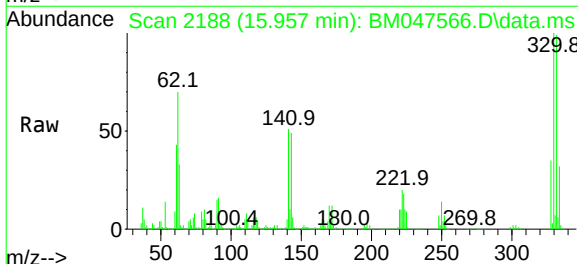
RT: 15.957 min Scan# 2188

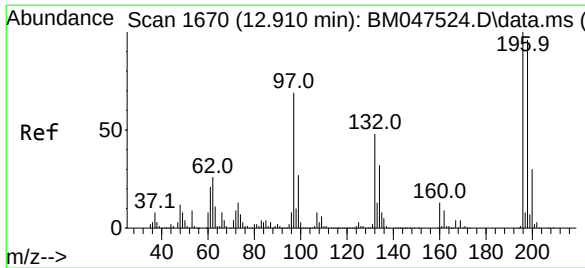
Delta R.T. -0.006 min

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





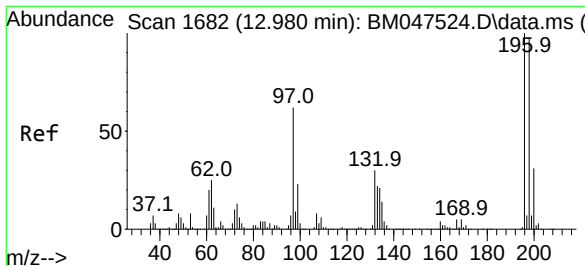
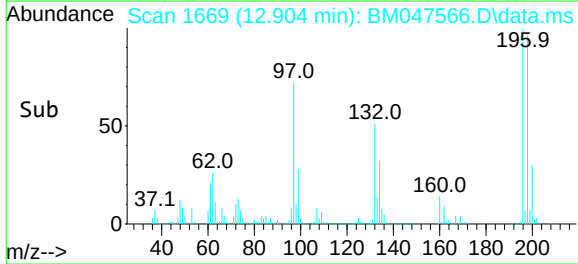
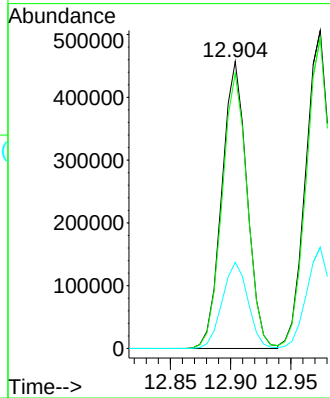
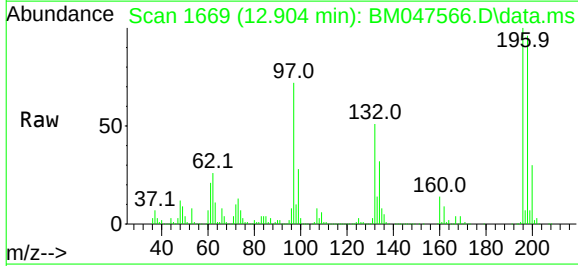
#43
2,4,6-Trichlorophenol
Concen: 43.230 ng
RT: 12.904 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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

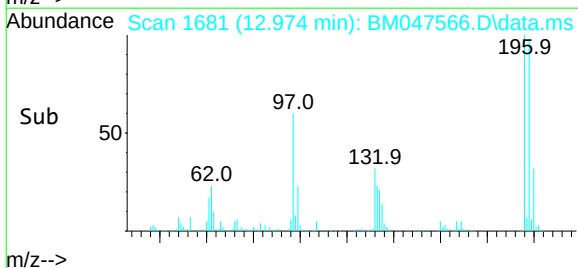
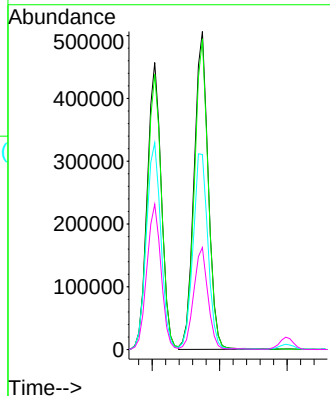
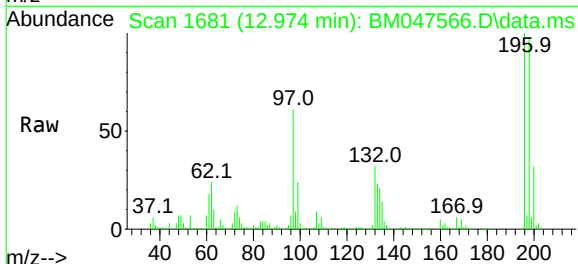
Manual Integrations
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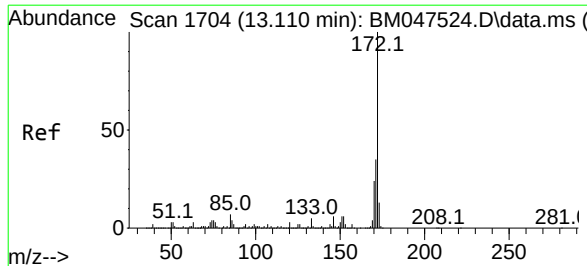
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

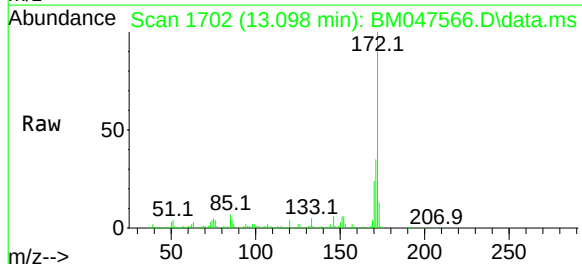
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion:172 Resp: 5391582

Ion Ratio Lower Upper

172 100

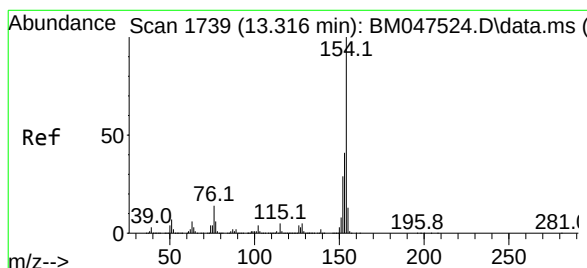
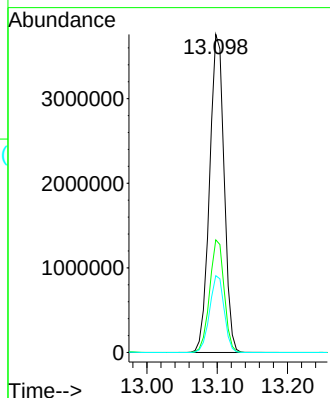
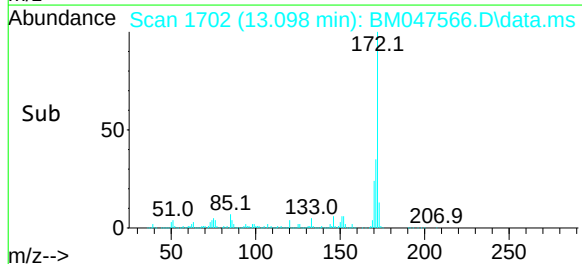
171 35.4 28.2 42.2

170 24.2 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024



#46

1,1'-Biphenyl

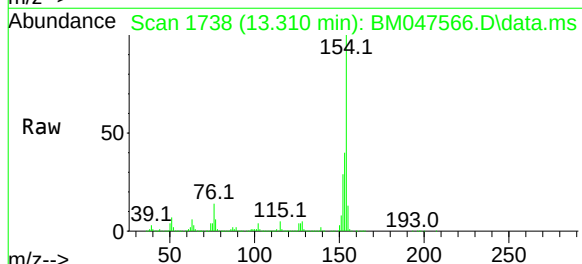
Concen: 40.533 ng

RT: 13.310 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49



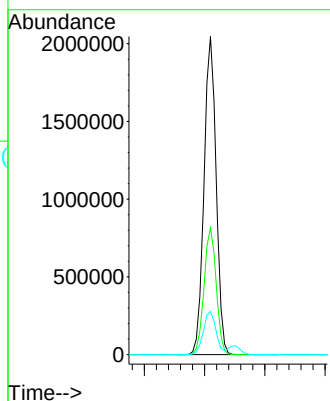
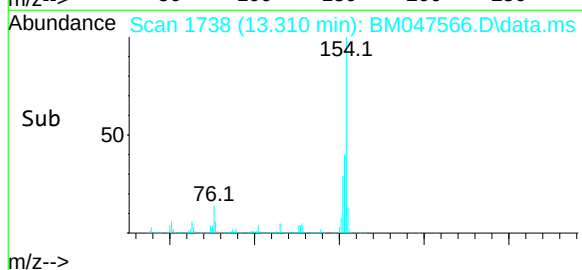
Tgt Ion:154 Resp: 2854654

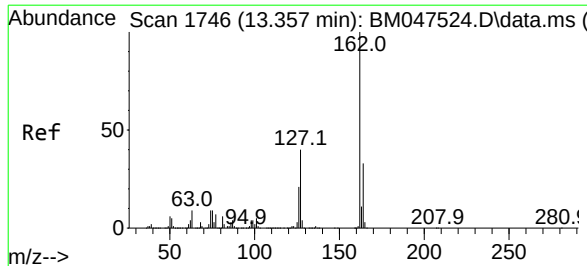
Ion Ratio Lower Upper

154 100

153 39.9 20.6 60.6

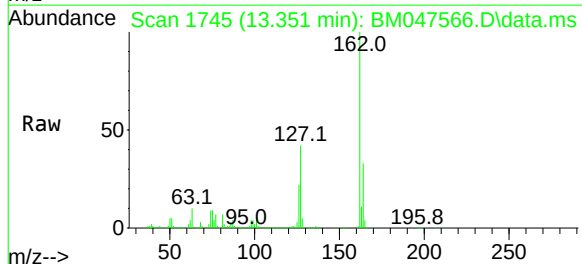
76 13.6 0.0 33.9





#47
2-Chloronaphthalene
Concen: 39.928 ng
RT: 13.351 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

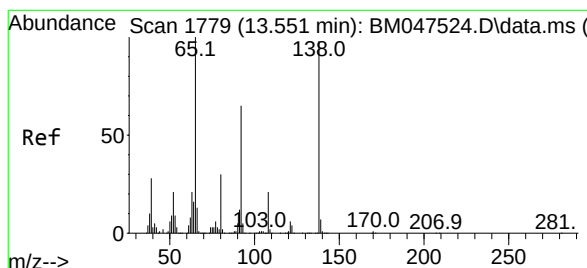
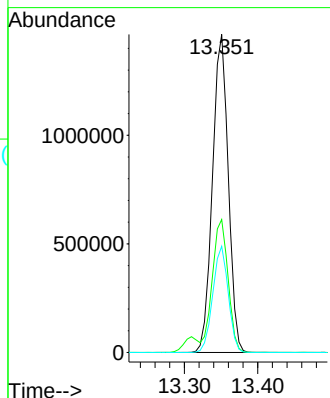
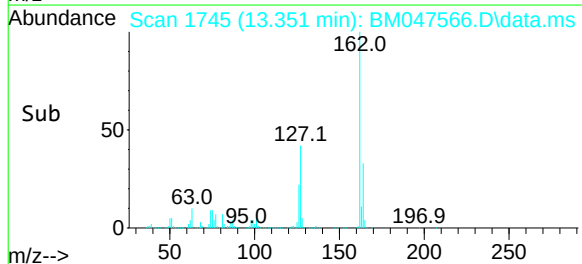
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

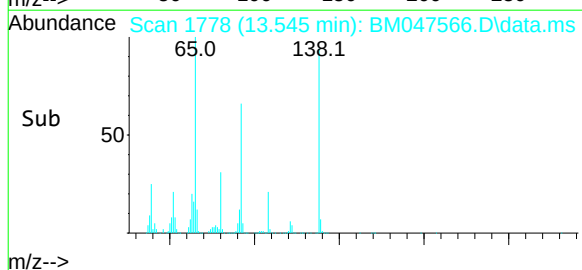
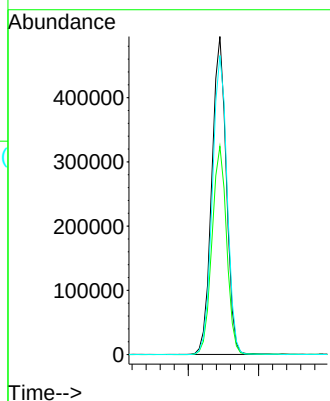
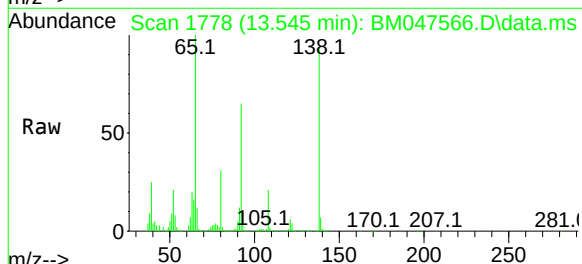
Manual Integrations
APPROVED

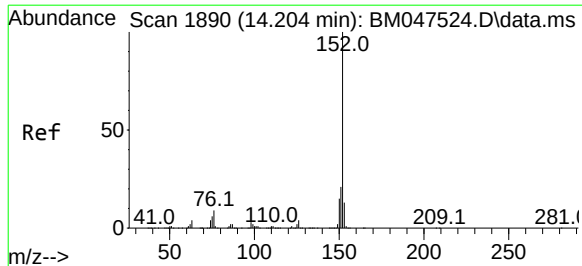
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

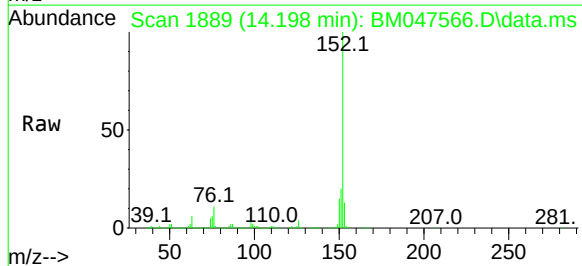
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 3196953

Ion Ratio Lower Upper

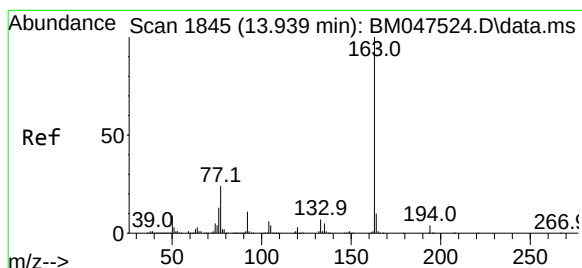
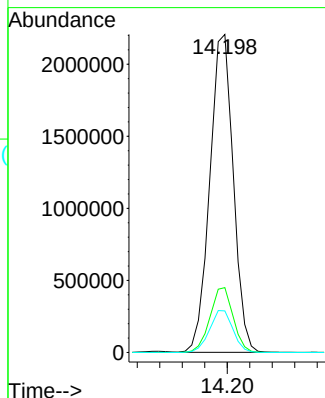
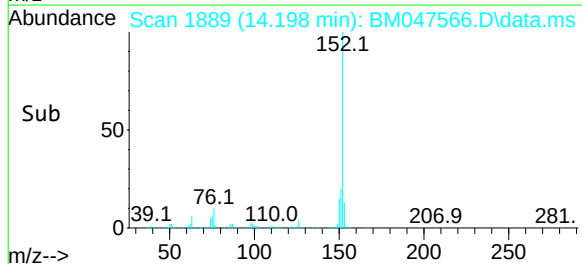
152 100

151 20.4 16.5 24.7

153 13.1 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#50

Dimethylphthalate

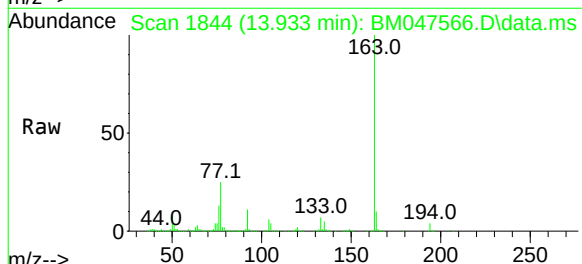
Concen: 41.425 ng

RT: 13.933 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49



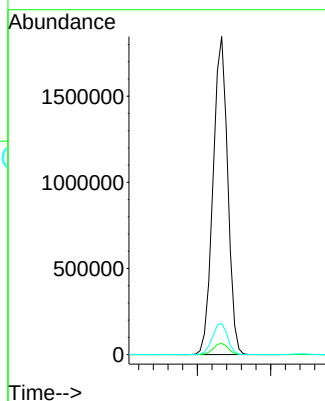
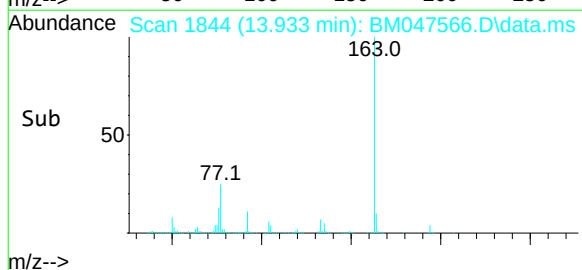
Tgt Ion:163 Resp: 2555716

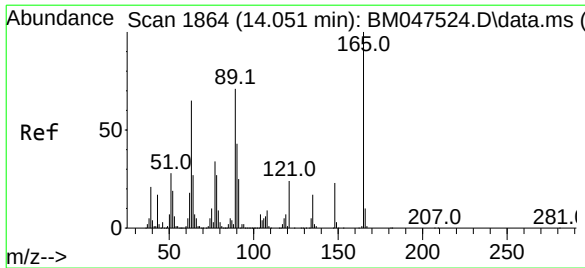
Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

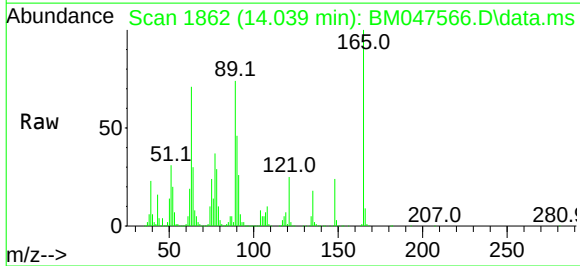
164 9.8 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 42.810 ng
RT: 14.039 min Scan# 1864
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

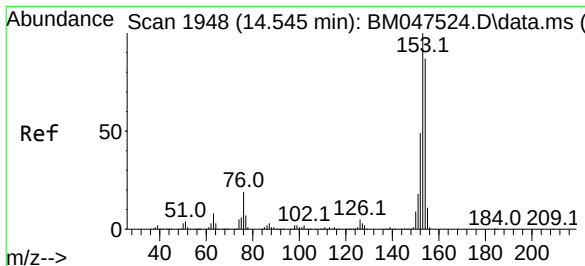
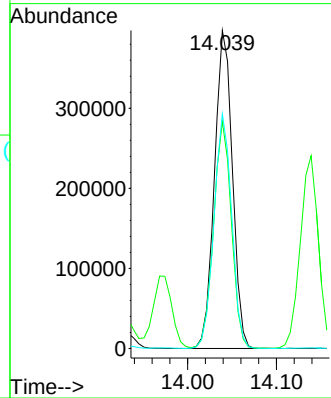
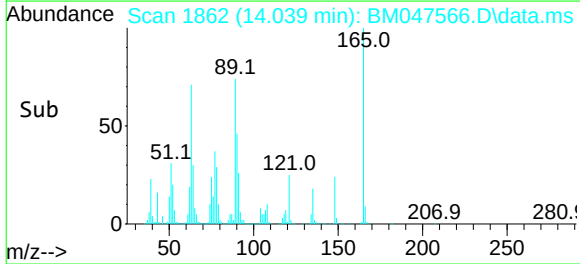
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

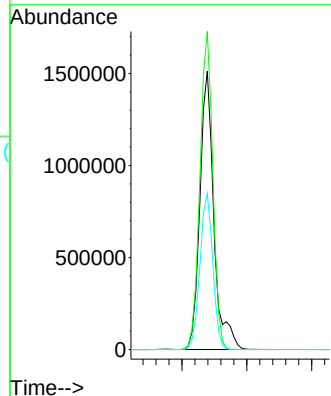
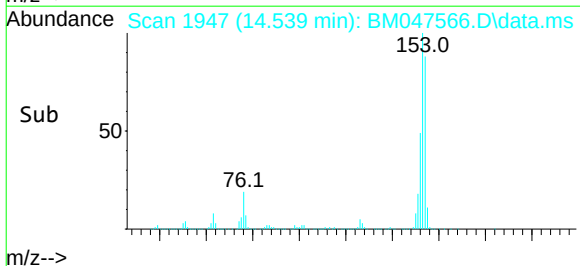
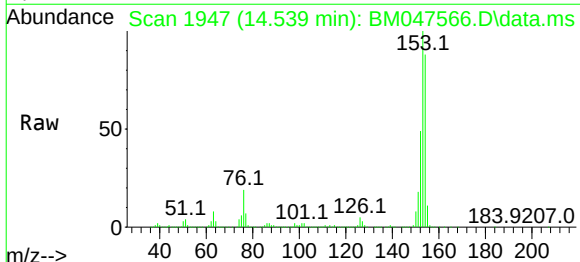
Manual Integrations
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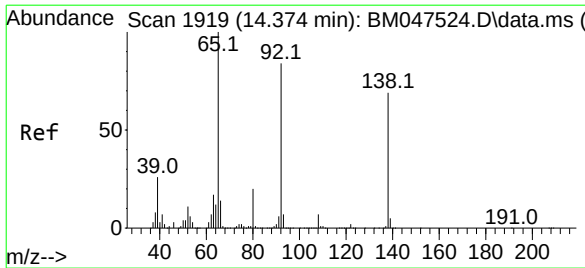
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

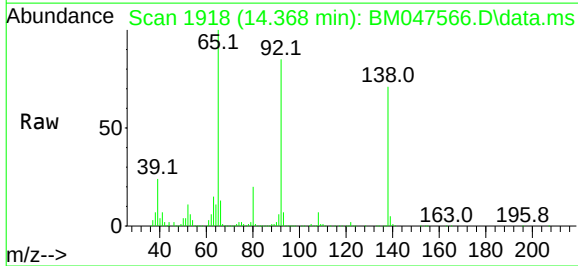
Tgt Ion:154 Resp: 2262183
Ion Ratio Lower Upper
154 100
153 114.2 92.2 138.2
152 56.0 45.4 68.0





#53
3-Nitroaniline
Concen: 43.417 ng
RT: 14.368 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

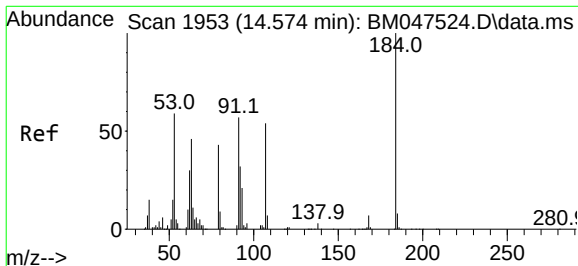
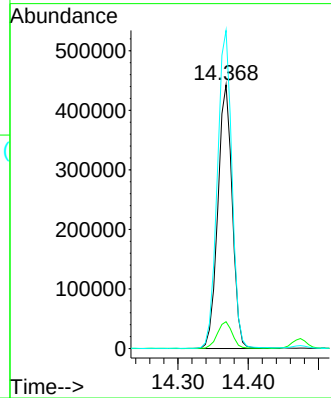
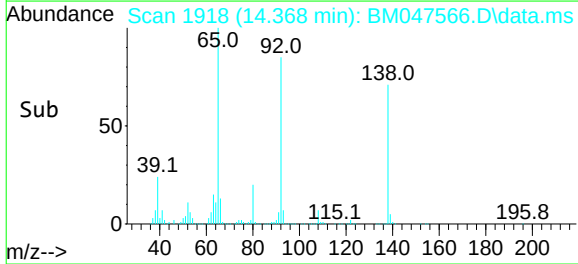
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

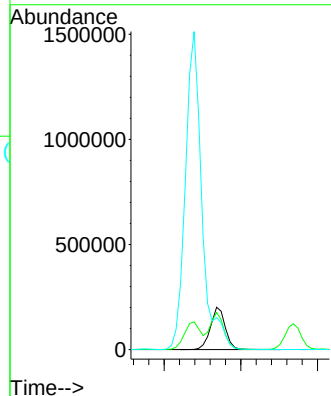
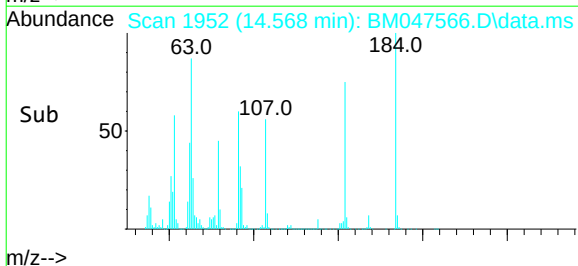
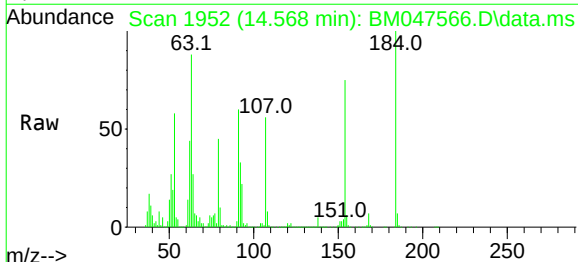
Manual Integrations
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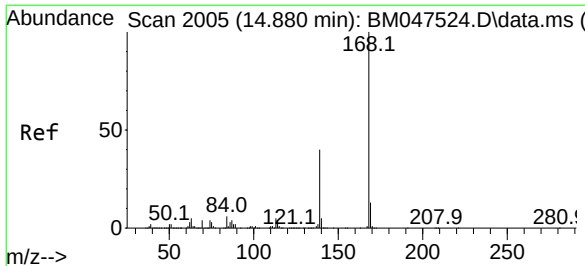
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#54
2,4-Dinitrophenol
Concen: 45.515 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:184 Resp: 269954
Ion Ratio Lower Upper
184 100
63 87.7 69.4 104.0
154 75.2 60.4 90.6





#55

Dibenzenofuran

Concen: 39.385 ng

RT: 14.868 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 3060184

Ion Ratio Lower Upper

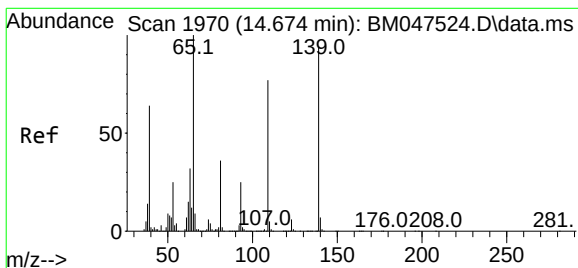
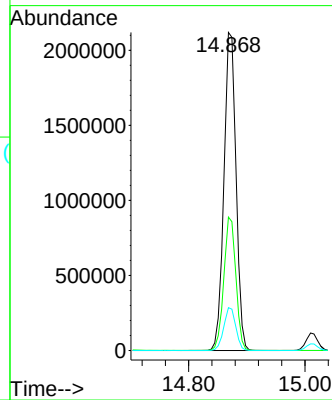
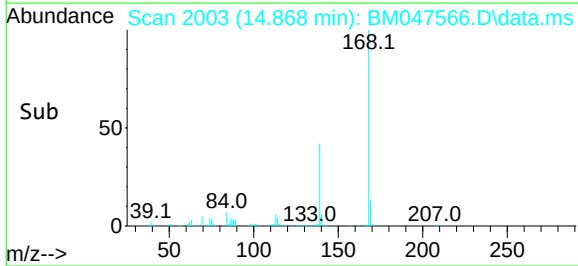
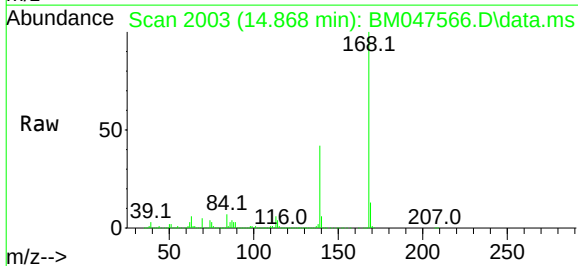
168 100

139 41.9 31.9 47.9

169 13.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

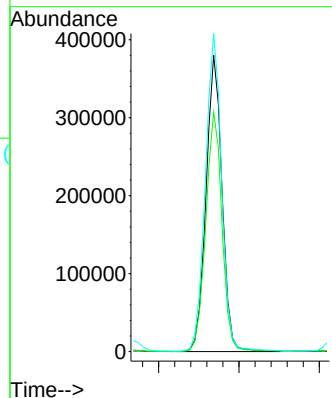
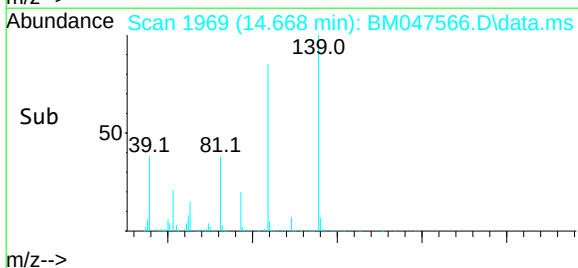
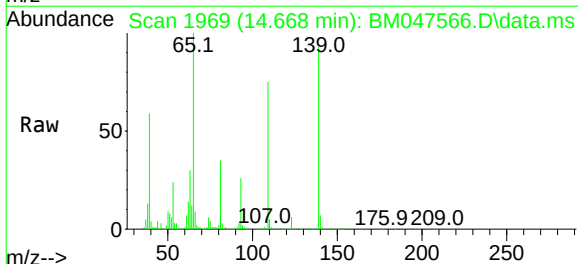
Tgt Ion:139 Resp: 526372

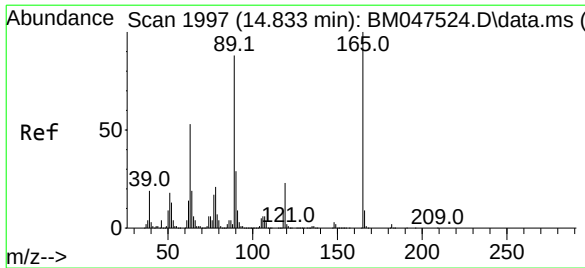
Ion Ratio Lower Upper

139 100

109 80.8 62.0 102.0

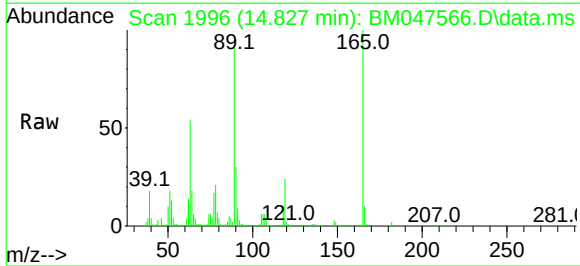
65 107.3 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 43.073 ng
RT: 14.827 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

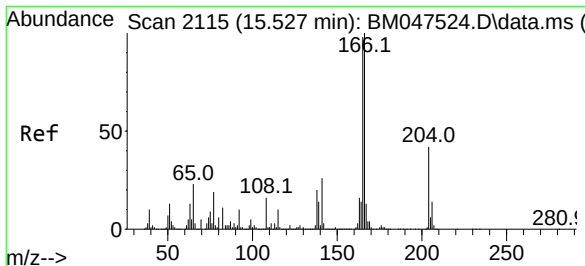
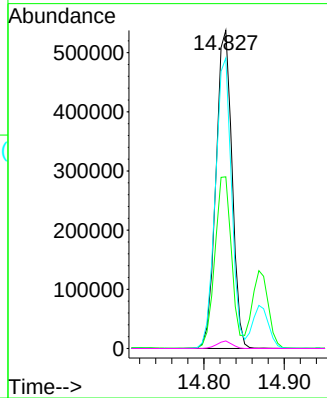
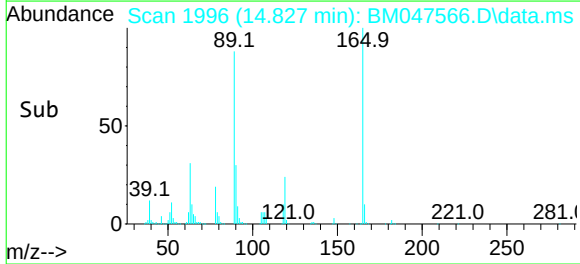
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

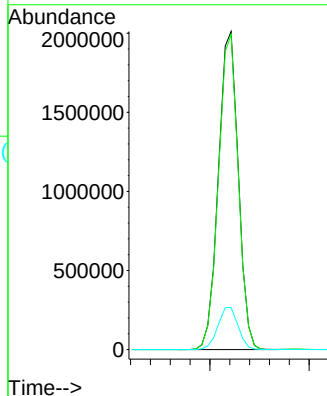
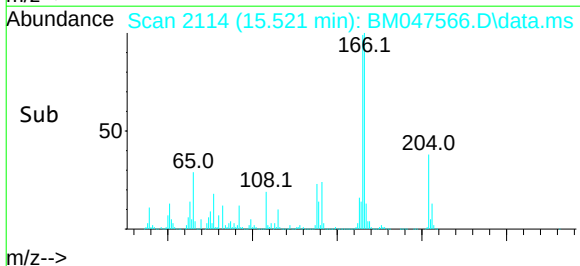
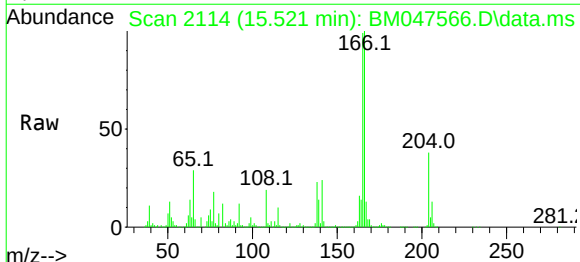
Manual Integrations
APPROVED

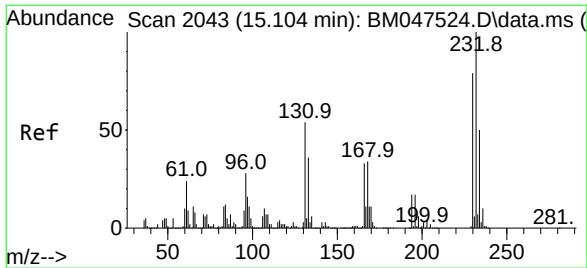
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 2043

Delta R.T. -0.012 min

Lab File: BM047566.D

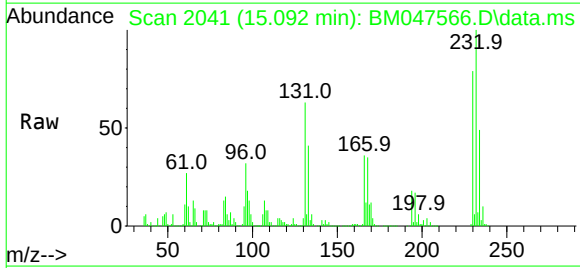
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion: 232 Resp: 556061

Ion Ratio Lower Upper

232 100

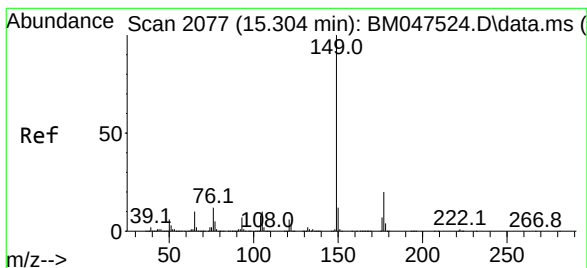
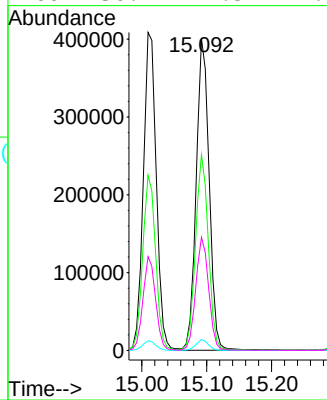
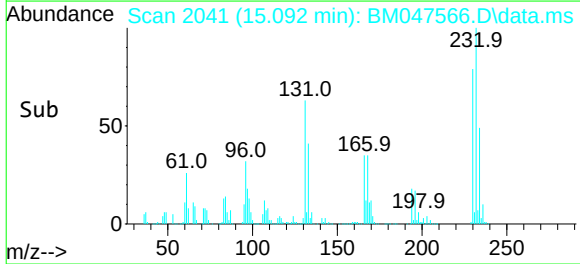
131 62.3 47.0 70.4

130 3.4 2.6 3.8

166 36.2 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

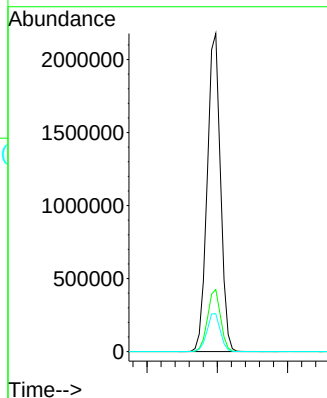
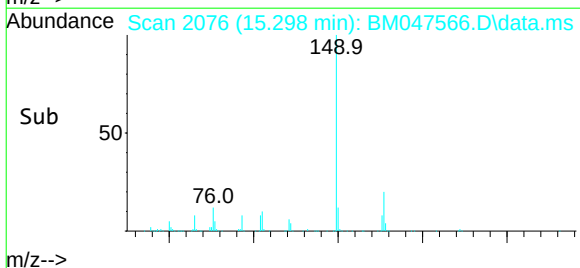
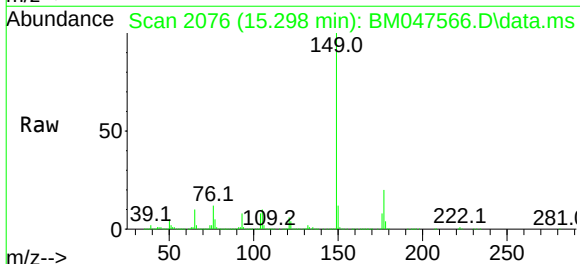
Tgt Ion: 149 Resp: 2844419

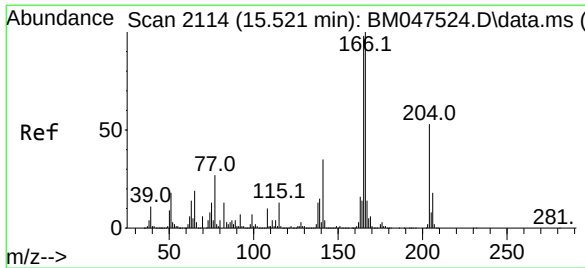
Ion Ratio Lower Upper

149 100

177 19.5 15.8 23.8

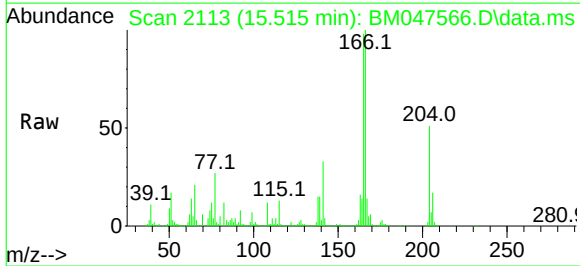
150 11.9 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 39.419 ng
RT: 15.515 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

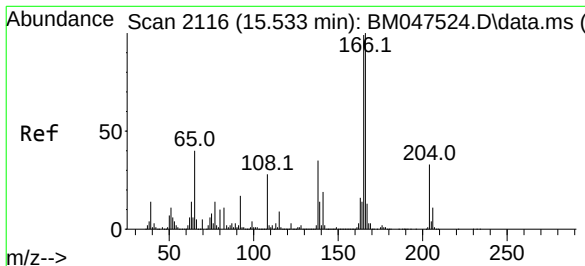
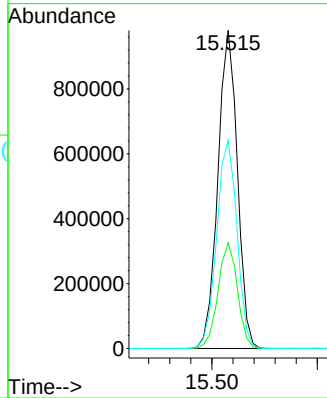
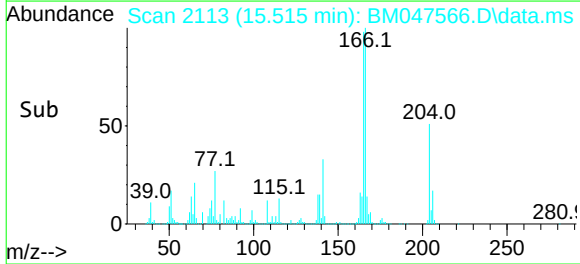
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



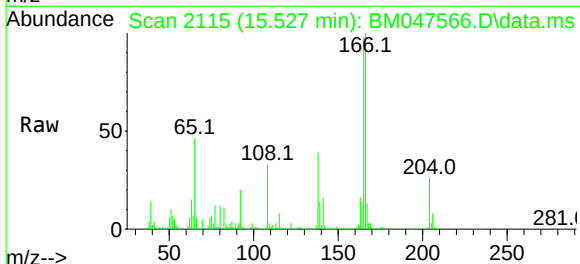
Tgt Ion:204 Resp: 1260842
Ion Ratio Lower Upper
204 100
206 33.2 26.5 39.7
141 65.5 52.1 78.1

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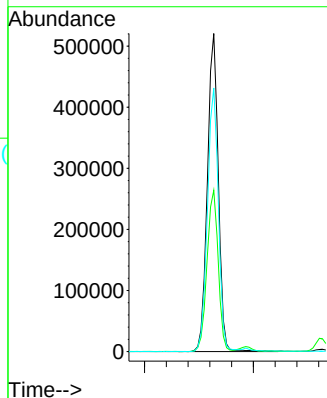
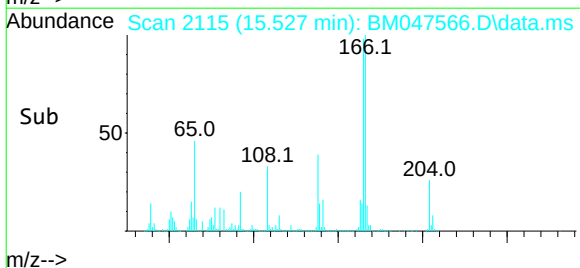
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

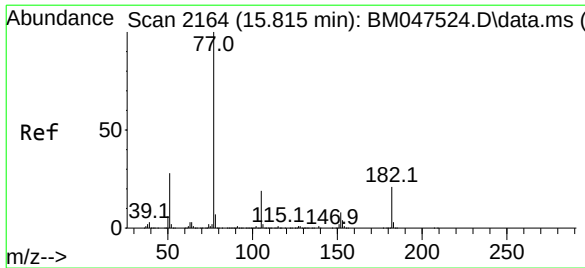


#62
4-Nitroaniline
Concen: 42.836 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49



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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 3033161

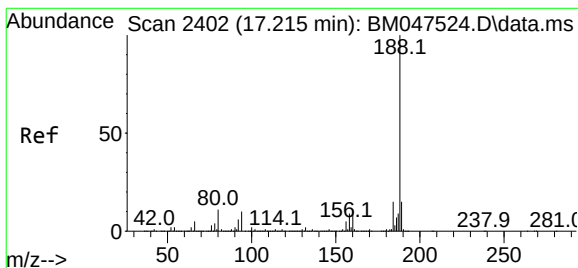
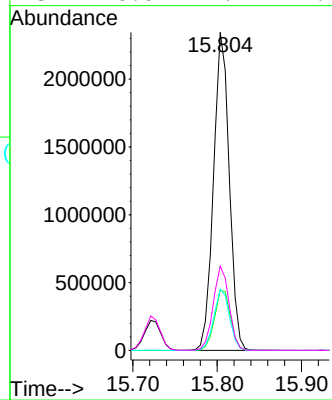
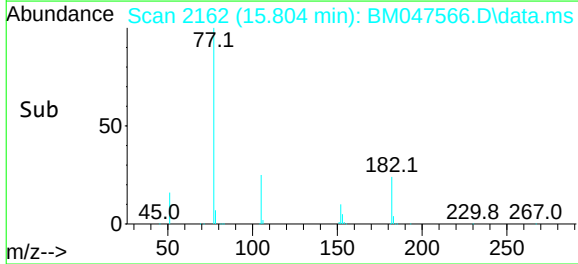
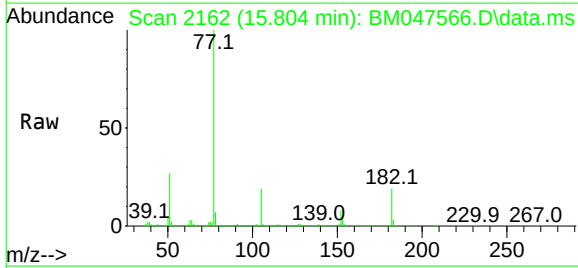
Ion	Ratio	Lower	Upper
77	100		
182	19.0	1.2	41.2
105	19.3	0.0	39.4
51	26.6	7.9	47.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.209 min Scan# 2401

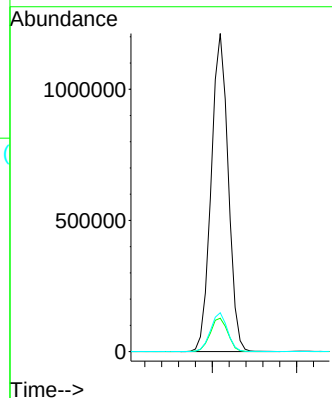
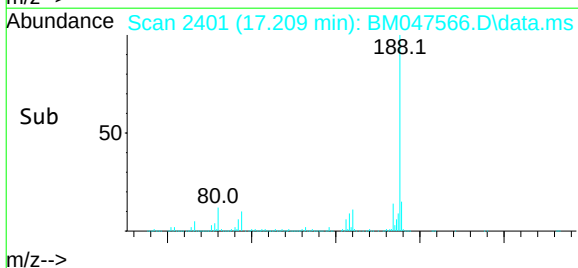
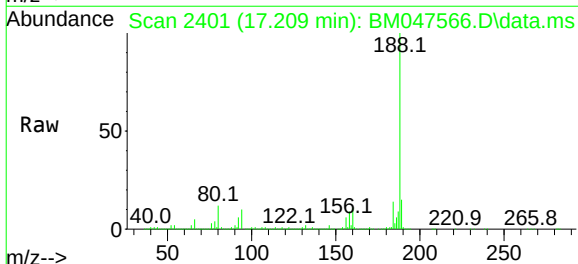
Delta R.T. -0.006 min

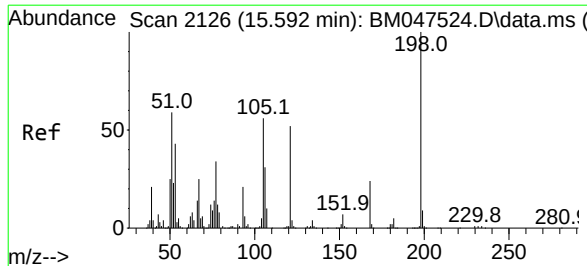
Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

Tgt Ion:188 Resp: 1699865

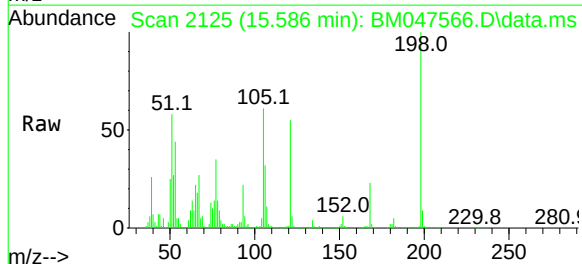
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.4	12.6
80	12.2	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 41.931 ng
RT: 15.586 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

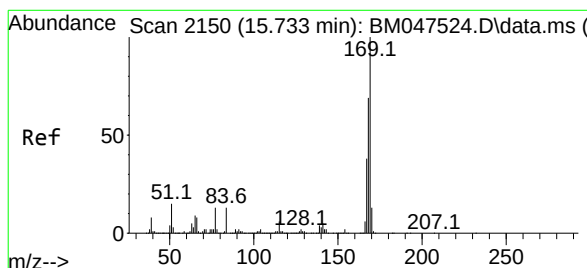
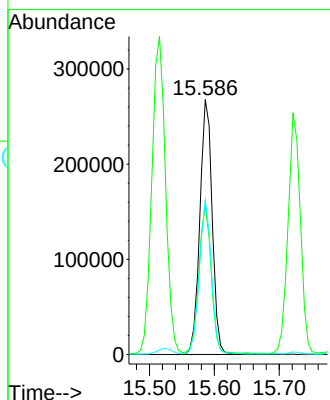
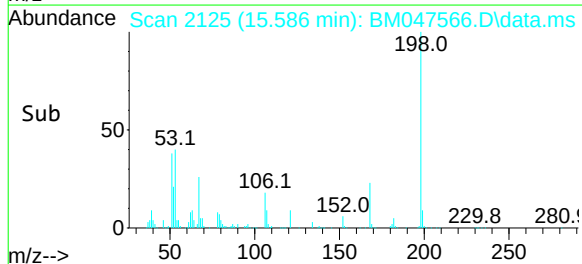
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



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

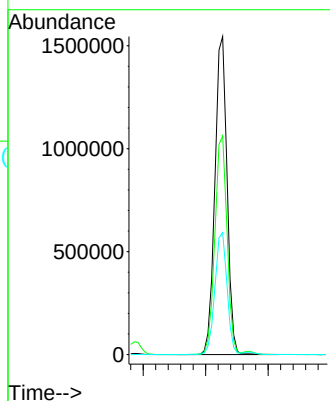
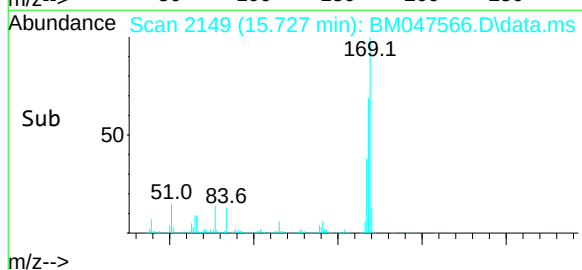
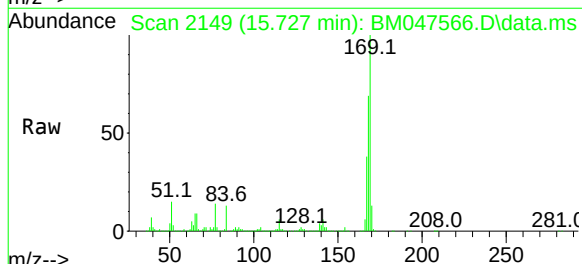
Manual Integrations
APPROVED

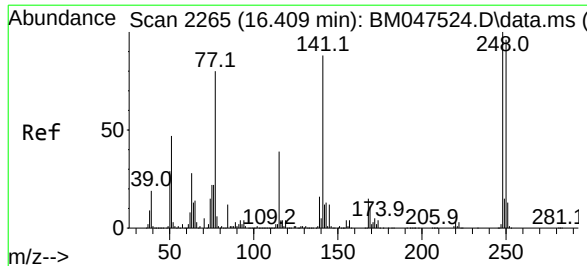
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 2265

Delta R.T. -0.006 min

Lab File: BM047566.D

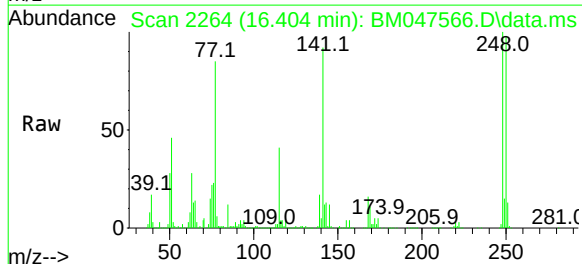
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion: 248 Resp: 651816

Ion Ratio Lower Upper

248 100

250 98.3 76.9 115.3

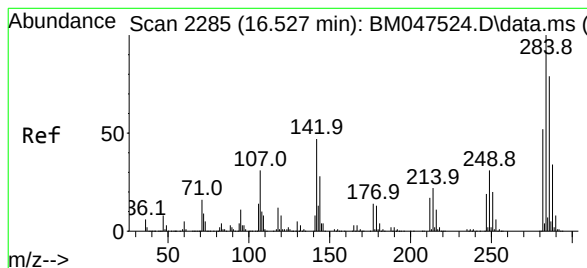
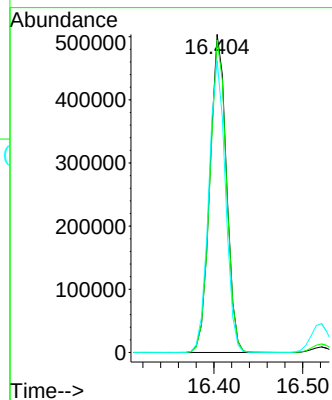
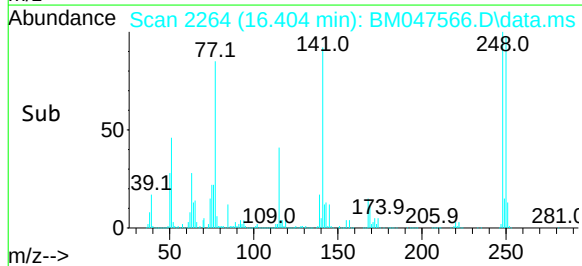
141 91.8 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

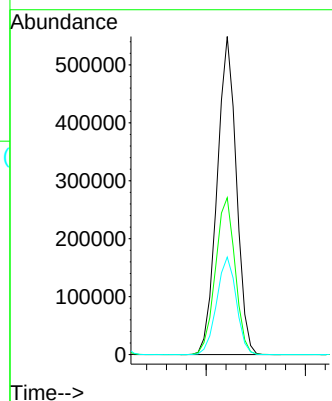
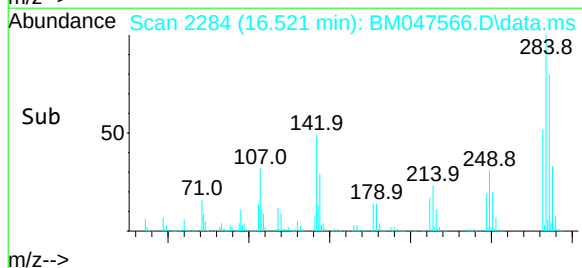
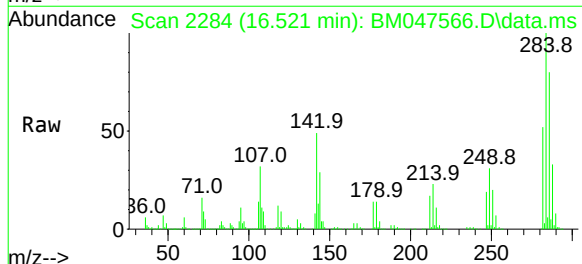
Tgt Ion: 284 Resp: 740115

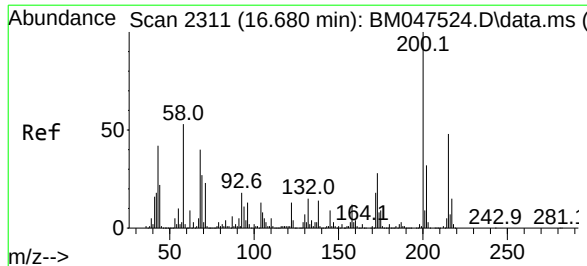
Ion Ratio Lower Upper

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# 2311

Delta R.T. -0.006 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 482956

Ion Ratio Lower Upper

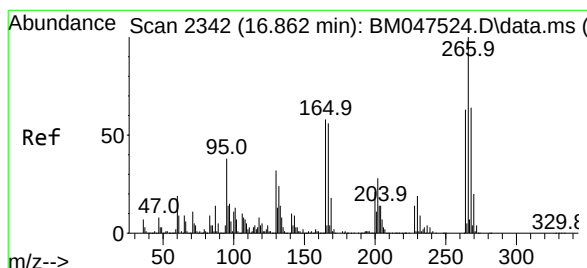
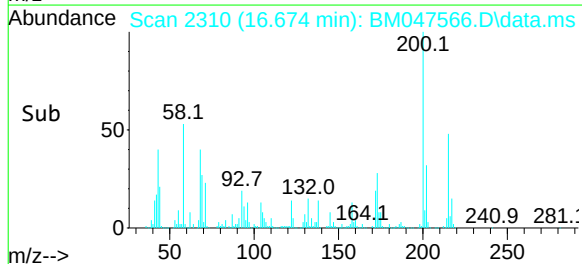
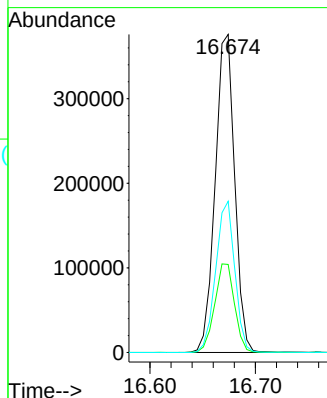
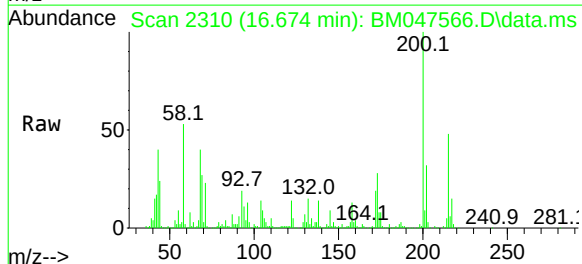
200 100

173 27.7 7.7 47.7

215 47.5 27.9 67.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

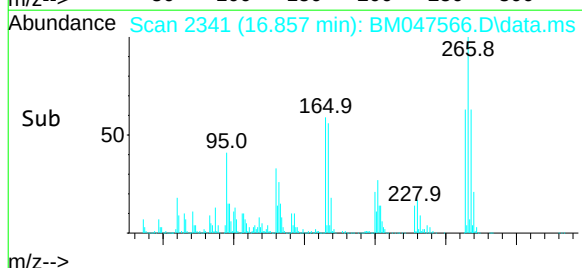
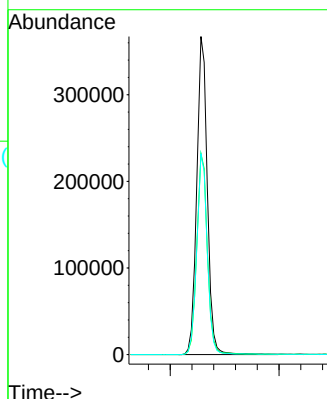
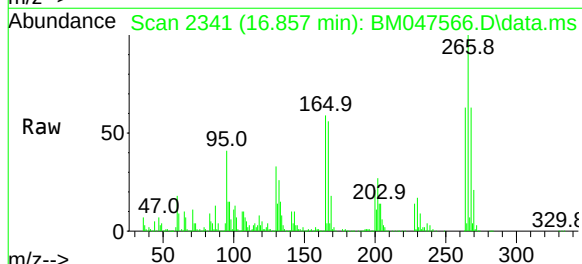
Tgt Ion:266 Resp: 495121

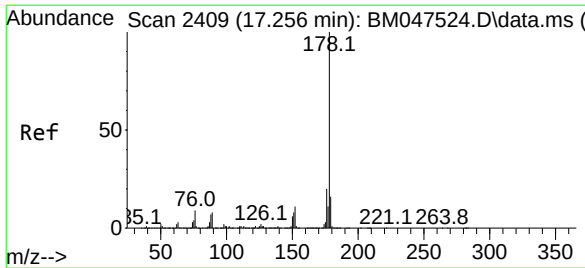
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 3679126

Ion Ratio Lower Upper

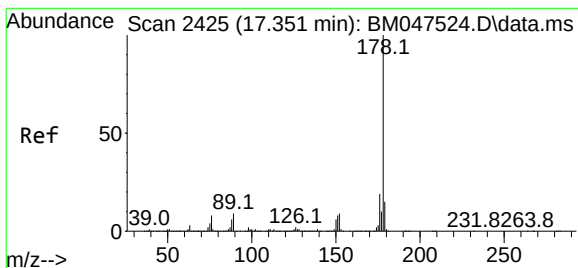
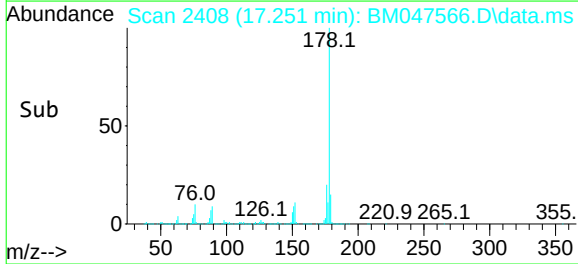
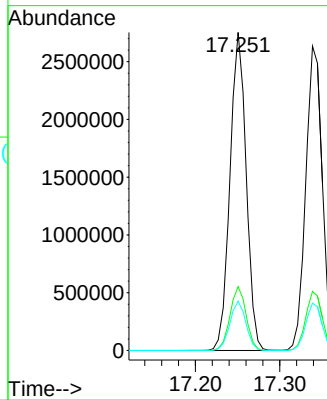
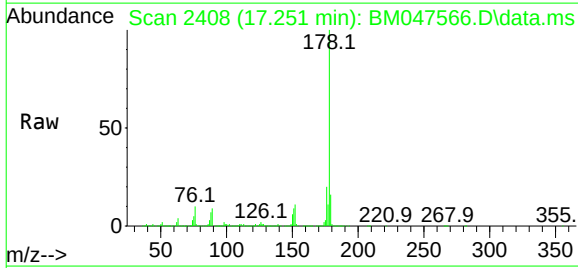
178 100

176 20.1 16.0 24.0

179 15.5 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

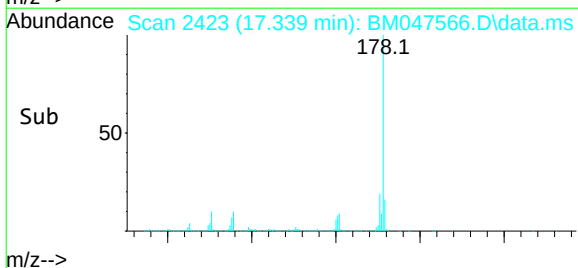
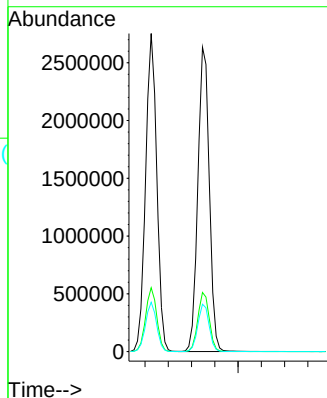
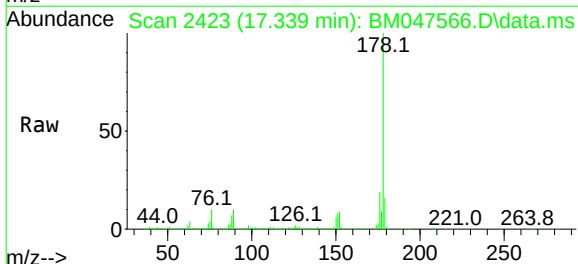
Tgt Ion:178 Resp: 3599776

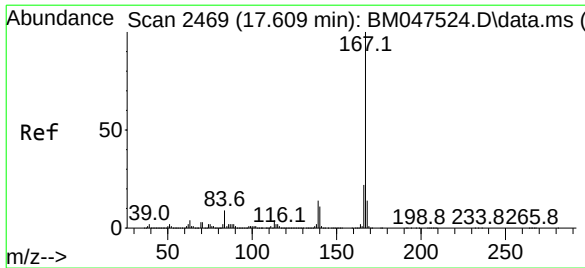
Ion Ratio Lower Upper

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# 2468

Delta R.T. -0.006 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

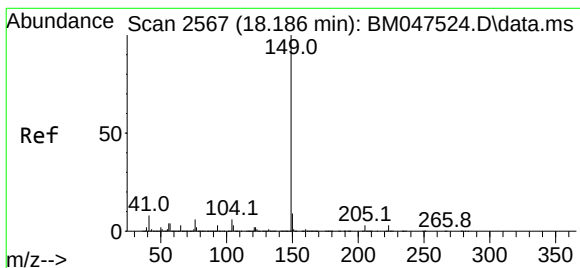
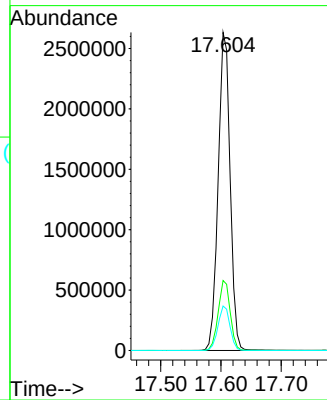
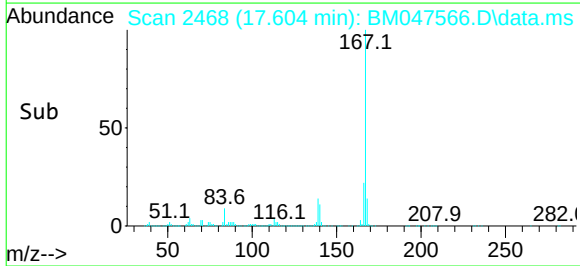
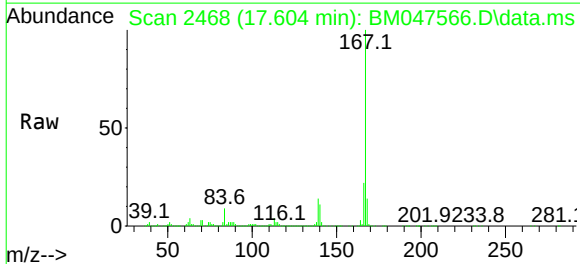
Tgt Ion:167 Resp: 3623444

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	14.0	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#74

Di-n-butylphthalate

Concen: 47.117 ng

RT: 18.180 min Scan# 2566

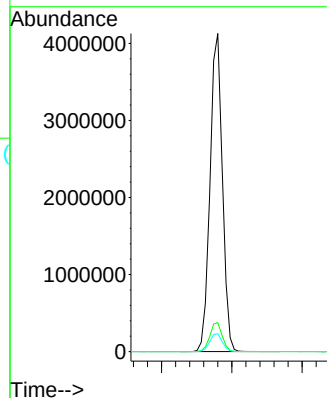
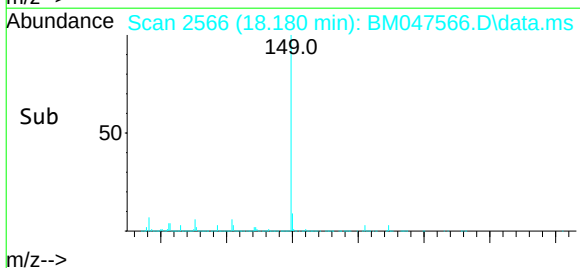
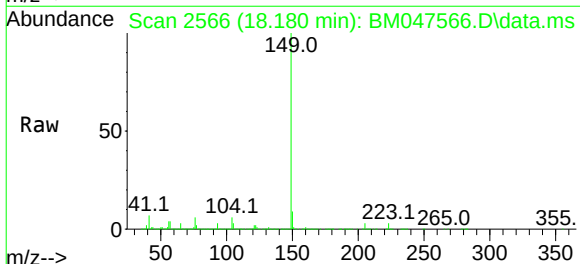
Delta R.T. -0.006 min

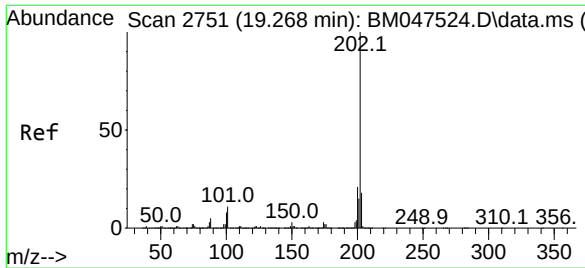
Lab File: BM047566.D

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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 4186947

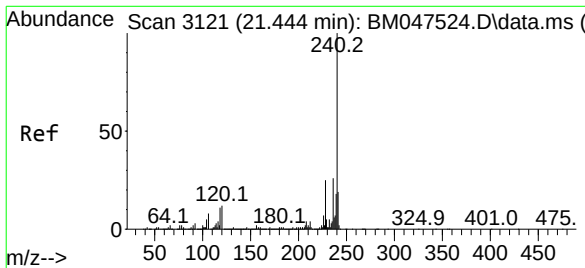
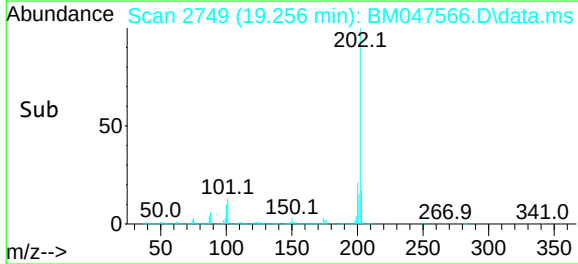
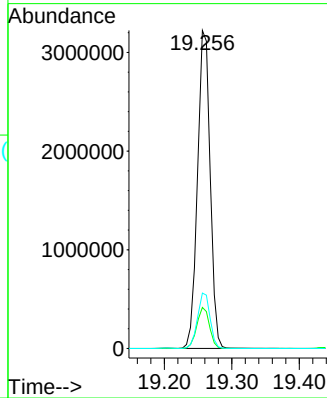
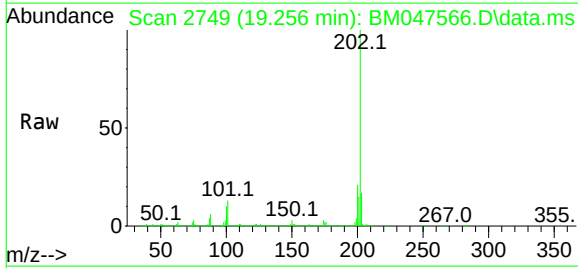
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	30.8
203	17.4	0.0	37.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3119

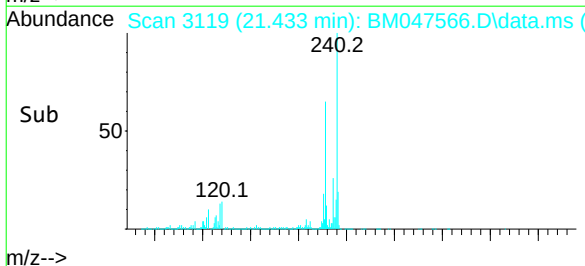
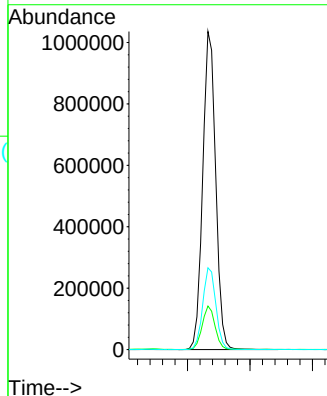
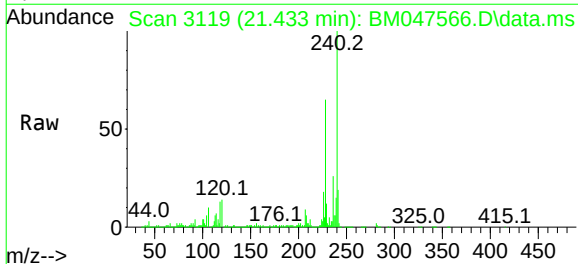
Delta R.T. -0.011 min

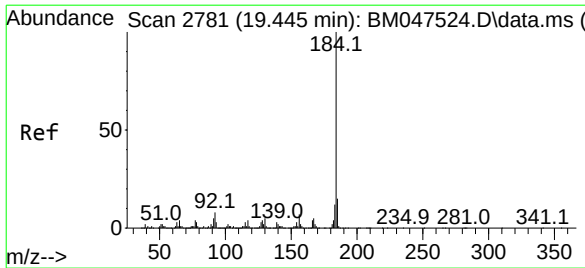
Lab File: BM047566.D

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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 1382959

Ion Ratio Lower Upper

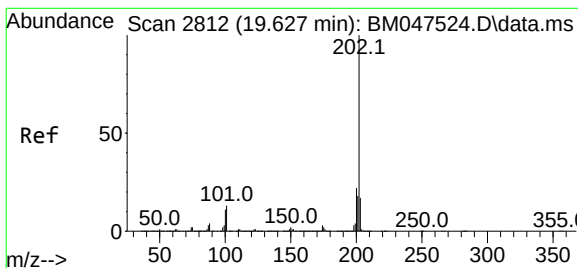
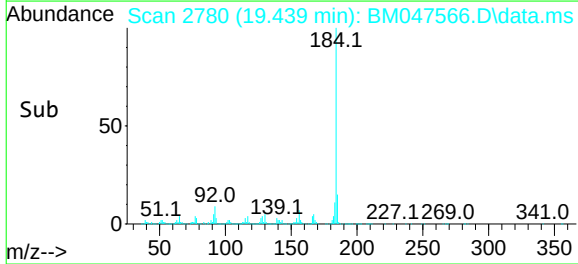
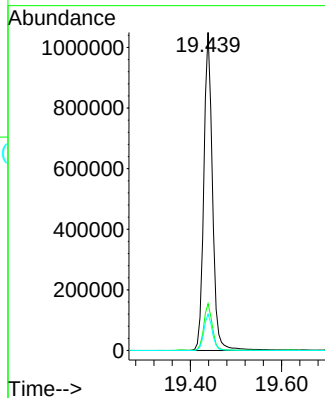
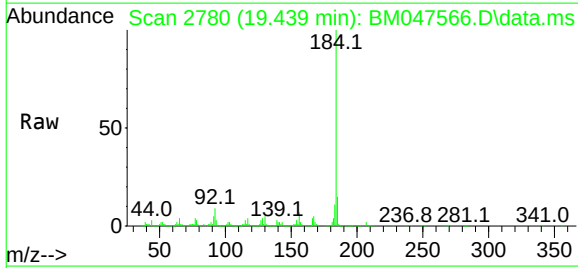
184 100

185 14.7 12.2 18.2

183 11.4 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

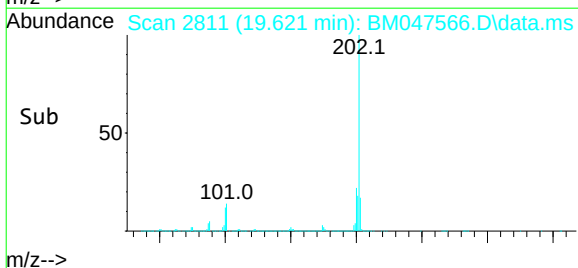
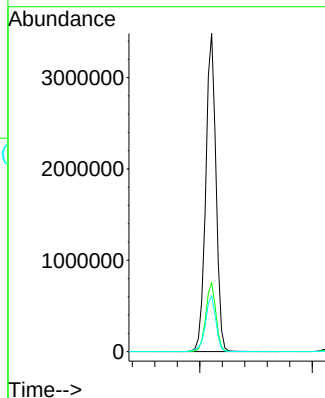
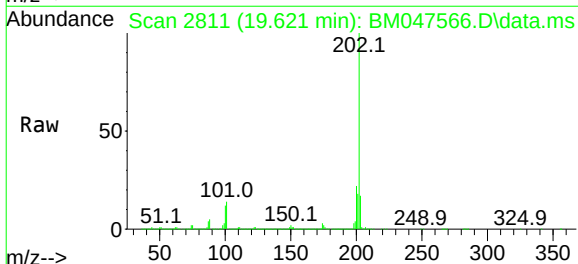
Tgt Ion:202 Resp: 4397965

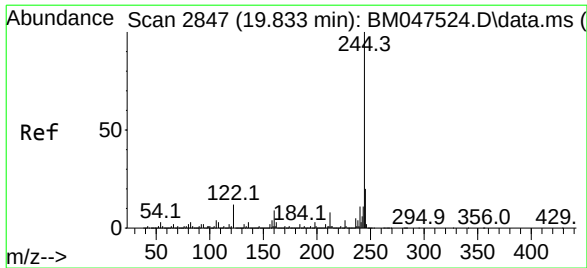
Ion Ratio Lower Upper

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

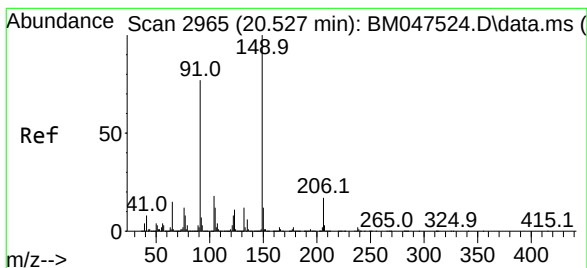
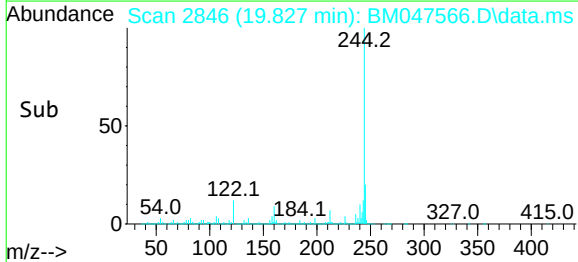
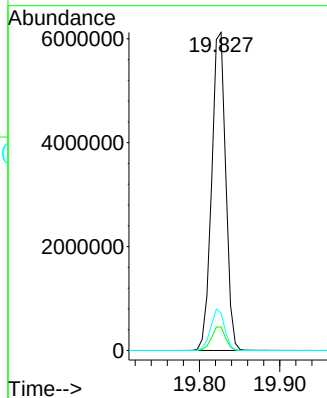
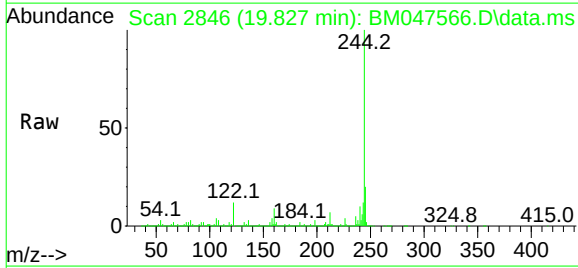
244 100

212 7.4 6.2 9.2

122 11.8 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

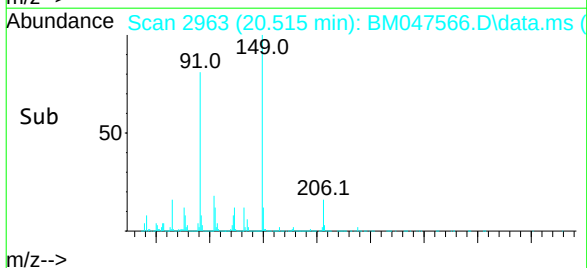
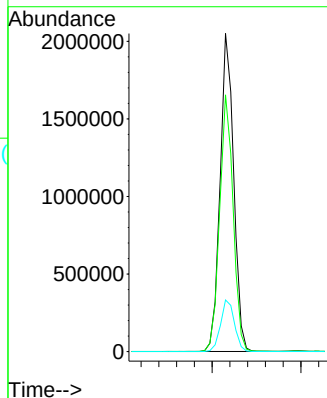
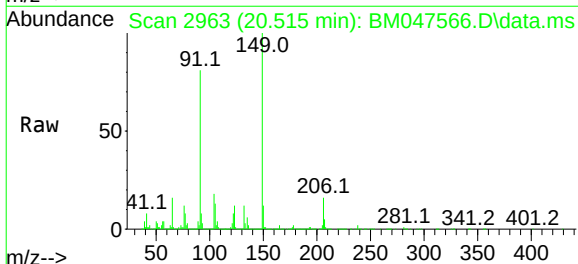
Tgt Ion:149 Resp: 2177713

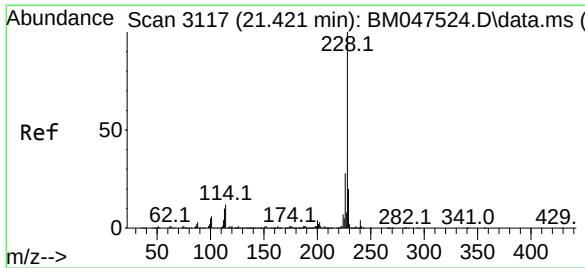
Ion Ratio Lower Upper

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# 3117

Delta R.T. -0.006 min

Lab File: BM047566.D

Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 3987184

Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

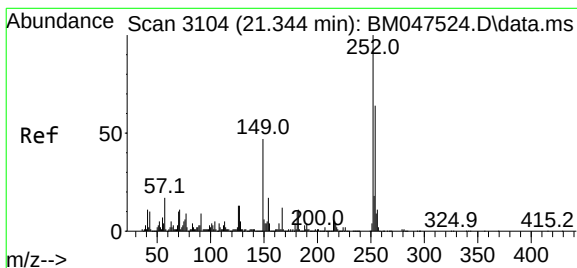
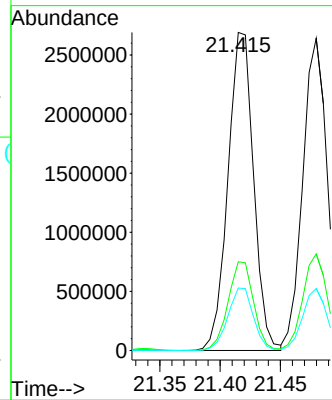
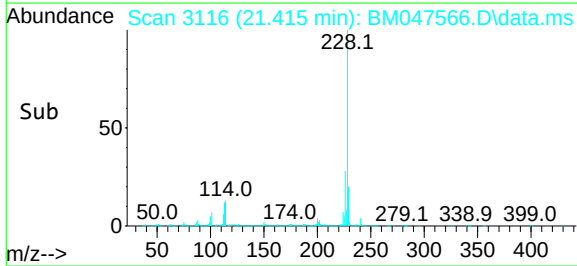
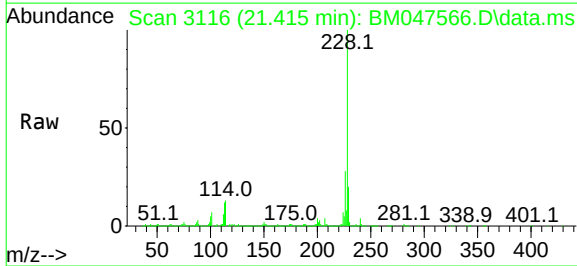
229 19.6 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

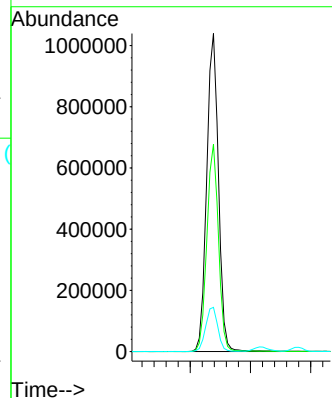
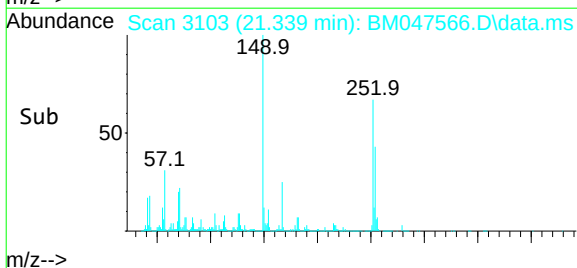
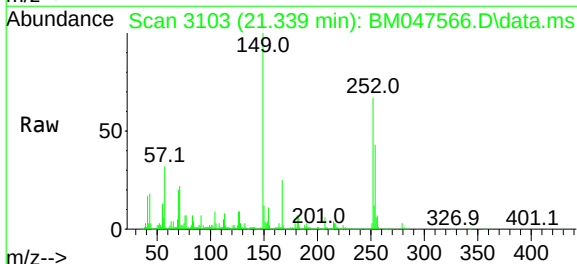
Tgt Ion:252 Resp: 1405001

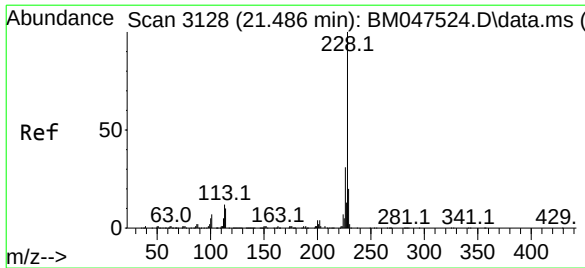
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 3730252

Ion Ratio Lower Upper

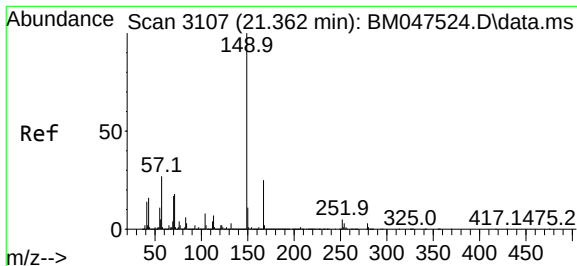
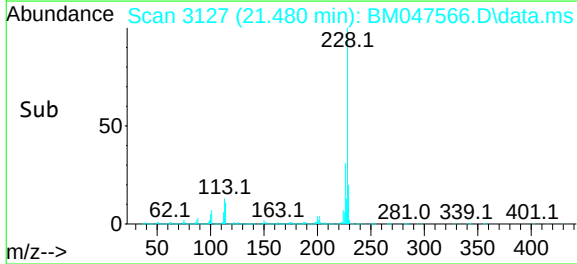
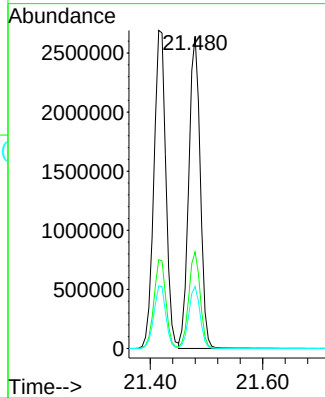
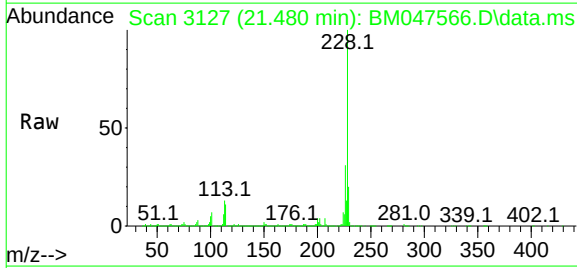
228 100

226 30.9 25.0 37.6

229 19.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
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

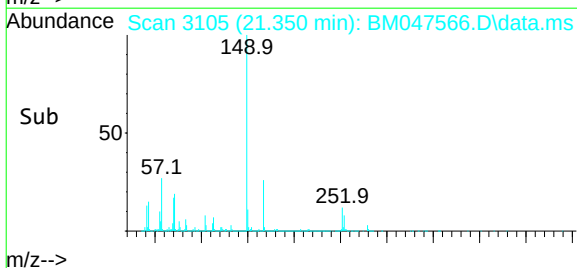
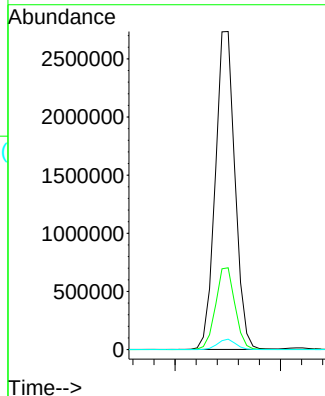
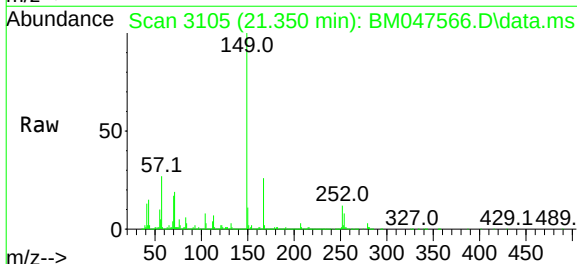
Tgt Ion:149 Resp: 3539026

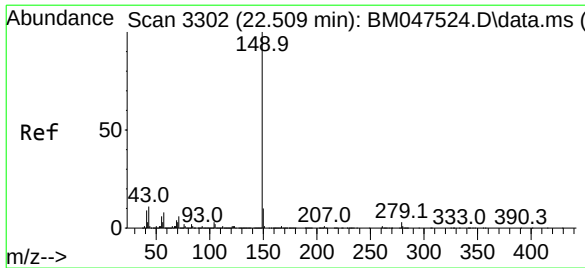
Ion Ratio Lower Upper

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

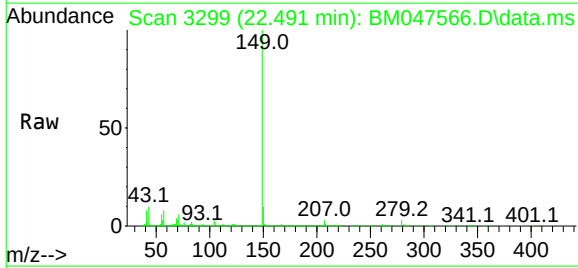
Acq: 19 Sep 2024 11:49

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



Tgt Ion:149 Resp: 5614359

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

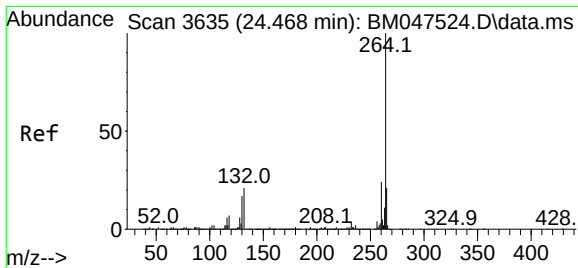
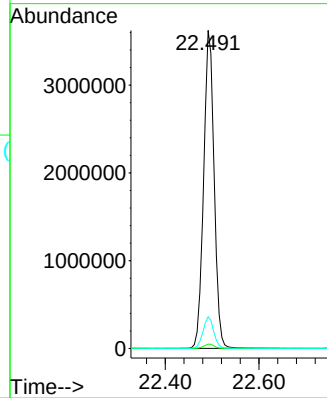
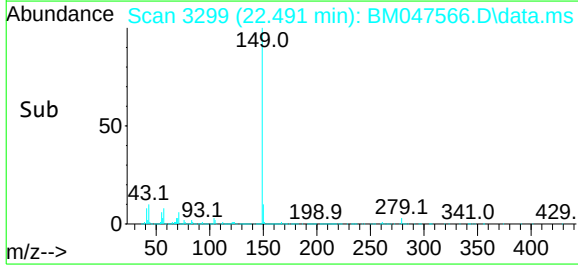
43 10.1 8.9 13.3

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

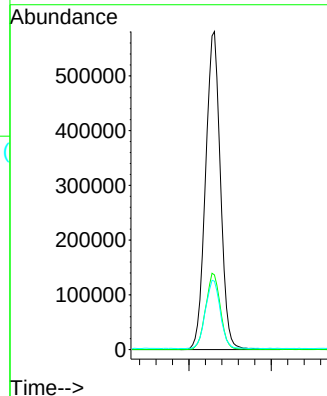
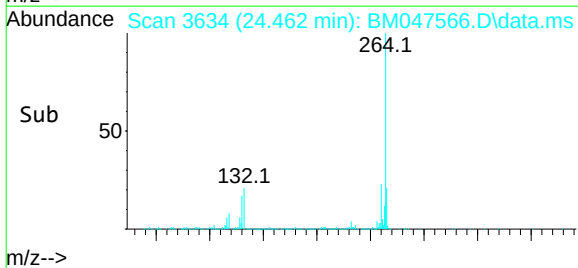
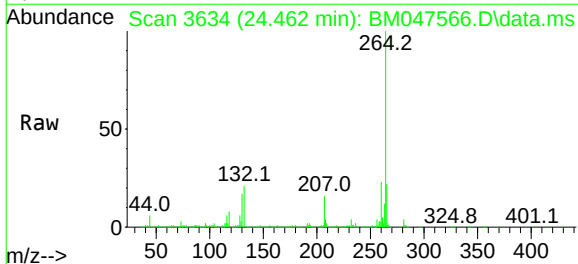
Tgt Ion:264 Resp: 1457823

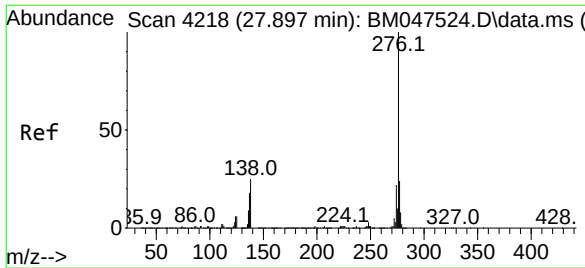
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.5 17.4 26.2





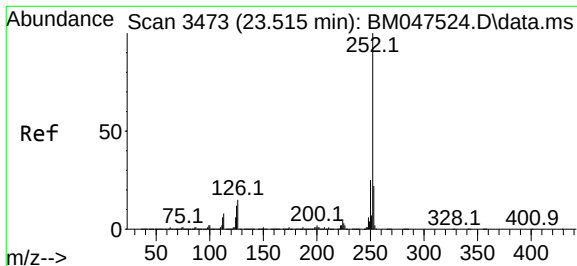
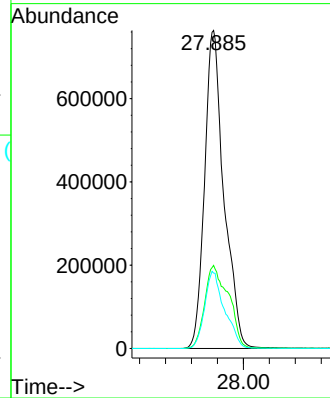
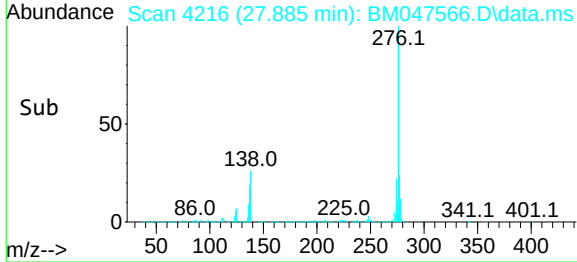
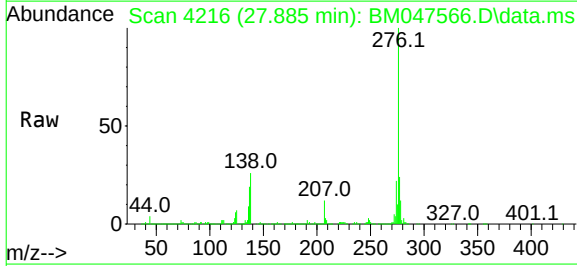
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.304 ng
RT: 27.885 min Scan# 4218
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

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

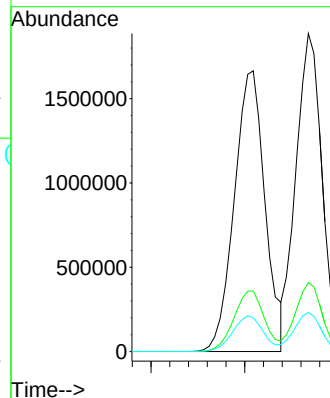
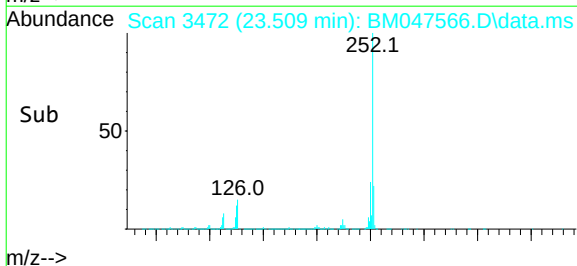
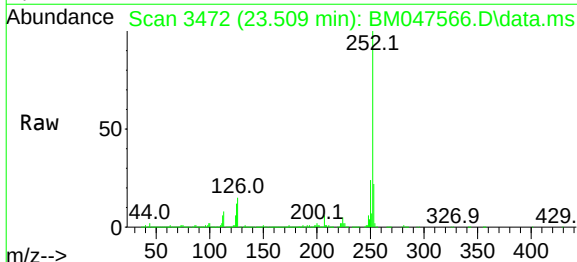
Manual Integrations
APPROVED

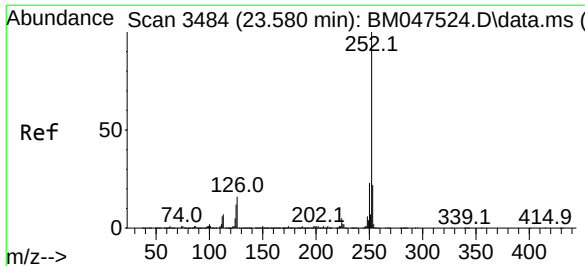
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 3675308

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

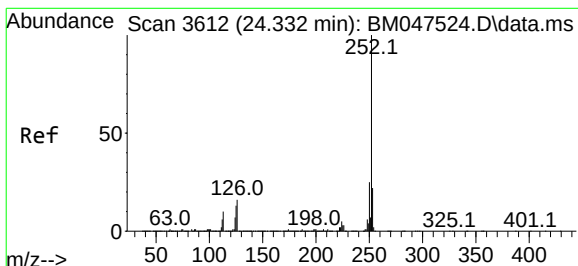
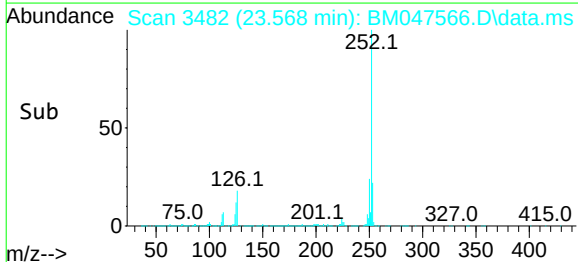
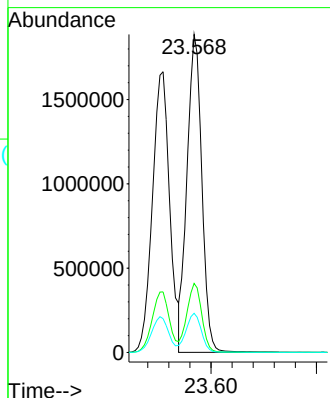
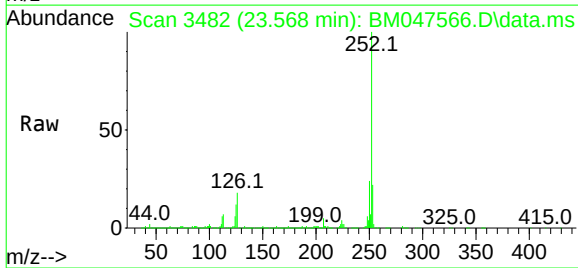
125 12.3 9.5 14.3

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

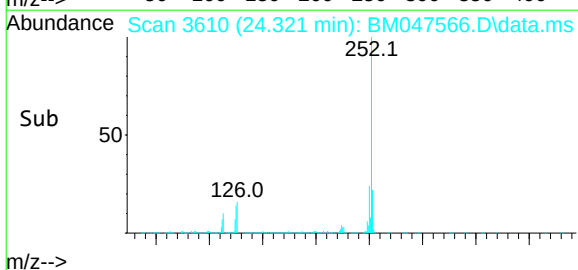
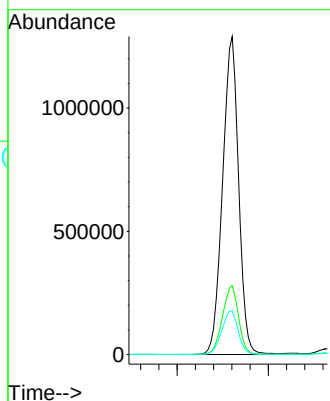
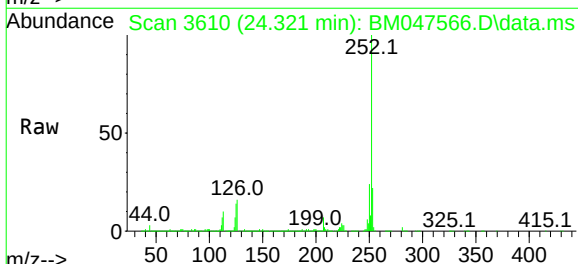
Tgt Ion:252 Resp: 3150288

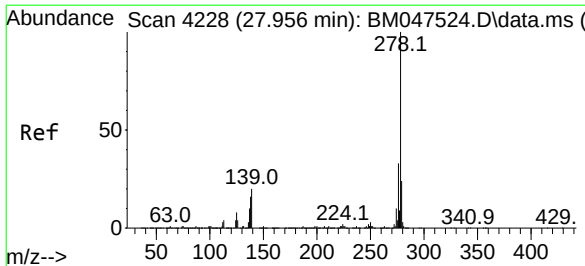
Ion Ratio Lower Upper

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# 4226

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

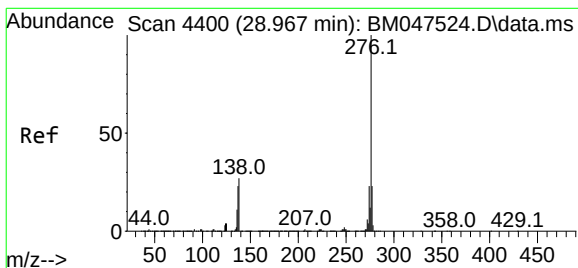
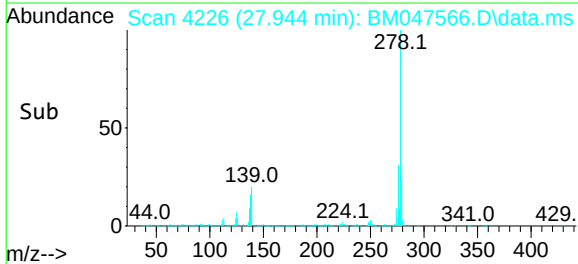
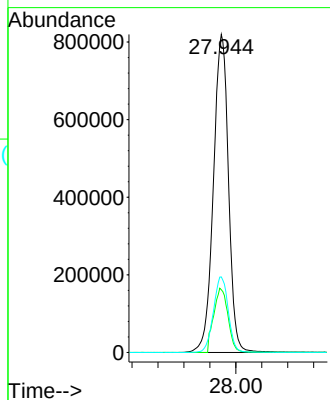
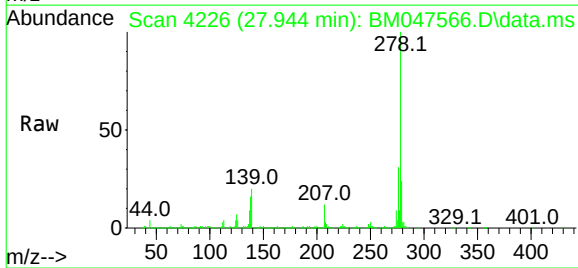
279 23.8 19.3 28.9

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

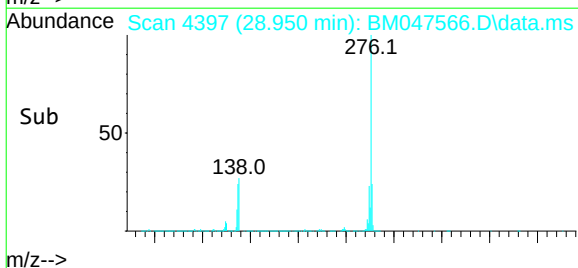
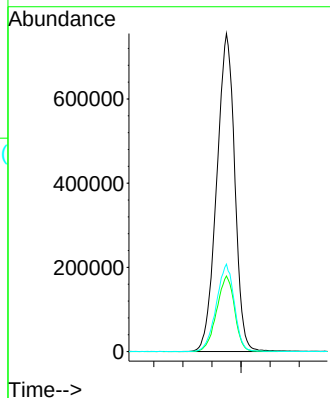
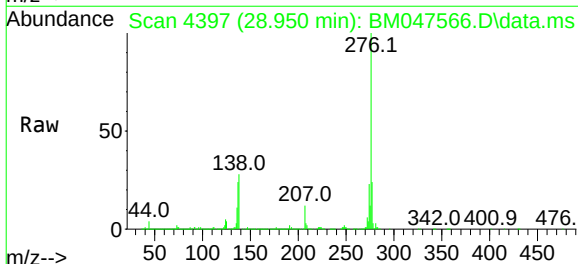
Tgt Ion:276 Resp: 3248885

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 27.5 21.5 32.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047566.D
 Acq On : 19 Sep 2024 11:49
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	-0.01
2	1,4-Dioxane	0.538	0.526	2.2	113	-0.01
3	Pyridine	1.601	1.529	4.5	107	0.00
4	n-Nitrosodimethylamine	0.727	0.650	10.6	99	-0.01
5 S	2-Fluorophenol	1.256	1.306	-4.0	117	0.00
6	Aniline	1.568	1.518	3.2	106	0.00
7 S	Phenol-d6	1.769	1.780	-0.6	110	0.00
8	2-Chlorophenol	1.385	1.381	0.3	110	-0.01
9	Benzaldehyde	0.841	0.864	-2.7	115	-0.01
10 C	Phenol	1.771	1.744	1.5	109	0.00
11	bis(2-Chloroethyl)ether	1.422	1.432	-0.7	112	-0.01
12	1,3-Dichlorobenzene	1.516	1.501	1.0	111	0.00
13 C	1,4-Dichlorobenzene	1.544	1.518	1.7	111	-0.01
14	1,2-Dichlorobenzene	1.519	1.466	3.5	108	0.00
15	Benzyl Alcohol	1.198	1.193	0.4	108	-0.01
16	2,2'-oxybis(1-Chloropropane	2.000	1.862	6.9	103	0.00
17	2-Methylphenol	1.132	1.105	2.4	106	0.00
18	Hexachloroethane	0.617	0.627	-1.6	113	-0.01
19 P	n-Nitroso-di-n-propylamine	1.193	1.152	3.4	103	0.00
20	3+4-Methylphenols	1.579	1.514	4.1	104	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22	Acetophenone	0.526	0.517	1.7	102	-0.01
23 S	Nitrobenzene-d5	0.400	0.407	-1.7	104	0.00
24	Nitrobenzene	0.411	0.412	-0.2	103	0.00
25	Isophorone	0.703	0.720	-2.4	105	0.00
26 C	2-Nitrophenol	0.140	0.160	-14.3	113	-0.01
27	2,4-Dimethylphenol	0.212	0.215	-1.4	106	0.00
28	bis(2-Chloroethoxy)methane	0.441	0.451	-2.3	106	-0.01
29 C	2,4-Dichlorophenol	0.269	0.275	-2.2	103	-0.01
30	1,2,4-Trichlorobenzene	0.309	0.302	2.3	103	-0.01
31	Naphthalene	1.080	1.058	2.0	102	-0.01
32	Benzoic acid	0.187	0.226	-20.9	122	-0.01
33	4-Chloroaniline	0.391	0.375	4.1	99	0.00
34 C	Hexachlorobutadiene	0.171	0.168	1.8	103	-0.01
35	Caprolactam	0.089	0.097	-9.0	107	-0.01
36 C	4-Chloro-3-methylphenol	0.309	0.317	-2.6	103	0.00
37	2-Methylnaphthalene	0.719	0.693	3.6	99	-0.01
38	1-Methylnaphthalene	0.714	0.685	4.1	99	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40	1,2,4,5-Tetrachlorobenzene	0.541	0.545	-0.7	95	0.00
41 P	Hexachlorocyclopentadiene	0.177	0.194	-9.6	101	0.00
42 S	2,4,6-Tribromophenol	0.193	0.201	-4.1	95	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.366	-8.0	100	0.00
44	2,4,5-Trichlorophenol	0.383	0.407	-6.3	98	0.00
45 S	2-Fluorobiphenyl	1.452	1.489	-2.5	94	-0.01
46	1,1'-Biphenyl	1.556	1.577	-1.3	96	0.00
47	2-Chloronaphthalene	1.208	1.206	0.2	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047566.D
 Acq On : 19 Sep 2024 11:49
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.355	0.393	-10.7	100	0.00
49	Acenaphthylene	1.744	1.766	-1.3	94	0.00
50	Dimethylphthalate	1.363	1.412	-3.6	98	0.00
51	2,6-Dinitrotoluene	0.288	0.308	-6.9	99	-0.01
52 C	Acenaphthene	1.222	1.250	-2.3	96	0.00
53	3-Nitroaniline	0.320	0.347	-8.4	99	0.00
54 P	2,4-Dinitrophenol	0.125	0.149	-19.2	111	0.00
55	Dibenzofuran	1.717	1.690	1.6	93	-0.01
56 P	4-Nitrophenol	0.263	0.291	-10.6	99	0.00
57	2,4-Dinitrotoluene	0.384	0.413	-7.6	97	0.00
58	Fluorene	1.546	1.546	0.0	91	0.00
59	2,3,4,6-Tetrachlorophenol	0.299	0.307	-2.7	96	-0.01
60	Diethylphthalate	1.451	1.571	-8.3	101	0.00
61	4-Chlorophenyl-phenylether	0.707	0.696	1.6	89	0.00
62	4-Nitroaniline	0.376	0.403	-7.2	92	0.00
63	Azobenzene	1.597	1.675	-4.9	97	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
65	4,6-Dinitro-2-methylphenol	0.091	0.104	-14.3	108	0.00
66 c	n-Nitrosodiphenylamine	0.612	0.614	-0.3	92	0.00
67	4-Bromophenyl-phenylether	0.194	0.192	1.0	92	0.00
68	Hexachlorobenzene	0.220	0.218	0.9	93	0.00
69	Atrazine	0.169	0.142	16.0	76	0.00
70 C	Pentachlorophenol	0.128	0.146	-14.1	102	0.00
71	Phenanthrene	1.102	1.082	1.8	90	0.00
72	Anthracene	1.059	1.059	0.0	91	-0.01
73	Carbazole	1.049	1.066	-1.6	93	0.00
74	Di-n-butylphthalate	1.256	1.479	-17.8	105	0.00
75 C	Fluoranthene	1.203	1.232	-2.4	91	-0.01
76 I	Chrysene-d12	1.000	1.000	0.0	92	-0.01
77	Benzidine	0.282	0.463	-64.2#	168#	0.00
78	Pyrene	1.459	1.474	-1.0	90	0.00
79 S	Terphenyl-d14	1.116	1.244	-11.5	91	0.00
80	Butylbenzylphthalate	0.562	0.730	-29.9#	114	-0.01
81	Benzo(a)anthracene	1.304	1.336	-2.5	92	0.00
82	3,3'-Dichlorobenzidine	0.347	0.471	-35.7#	119	0.00
83	Chrysene	1.233	1.250	-1.4	91	0.00
84	Bis(2-ethylhexyl)phthalate	0.880	1.186	-34.8#	117	-0.01
85 c	Di-n-octyl phthalate	1.244	1.882	-51.3#	133	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	111	0.00
87	Indeno(1,2,3-cd)pyrene	1.197	1.356	-13.3	128	-0.01
88	Benzo(b)fluoranthene	1.294	1.298	-0.3	108	0.00
89	Benzo(k)fluoranthene	1.282	1.261	1.6	103	-0.01
90 C	Benzo(a)pyrene	1.061	1.080	-1.8	110	-0.01
91	Dibenzo(a,h)anthracene	1.007	1.134	-12.6	127	-0.01
92	Benzo(g,h,i)perylene	0.984	1.114	-13.2	128	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047566.D
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	111	-0.01
2	1,4-Dioxane	40.000	39.098	2.3	113	-0.01
3	Pyridine	40.000	38.199	4.5	107	0.00
4	n-Nitrosodimethylamine	40.000	35.796	10.5	99	-0.01
5 S	2-Fluorophenol	80.000	83.155	-3.9	117	0.00
6	Aniline	40.000	38.709	3.2	106	0.00
7 S	Phenol-d6	80.000	80.521	-0.7	110	0.00
8	2-Chlorophenol	40.000	39.896	0.3	110	-0.01
9	Benzaldehyde	40.000	41.071	-2.7	115	-0.01
10 C	Phenol	40.000	39.375	1.6	109	0.00
11	bis(2-Chloroethyl)ether	40.000	40.276	-0.7	112	-0.01
12	1,3-Dichlorobenzene	40.000	39.620	1.0	111	0.00
13 C	1,4-Dichlorobenzene	40.000	39.324	1.7	111	-0.01
14	1,2-Dichlorobenzene	40.000	38.586	3.5	108	0.00
15	Benzyl Alcohol	40.000	39.820	0.4	108	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	37.226	6.9	103	0.00
17	2-Methylphenol	40.000	39.073	2.3	106	0.00
18	Hexachloroethane	40.000	40.686	-1.7	113	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	38.623	3.4	103	0.00
20	3+4-Methylphenols	40.000	38.353	4.1	104	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22	Acetophenone	40.000	39.336	1.7	102	-0.01
23 S	Nitrobenzene-d5	80.000	81.415	-1.8	104	0.00
24	Nitrobenzene	40.000	40.125	-0.3	103	0.00
25	Isophorone	40.000	40.999	-2.5	105	0.00
26 C	2-Nitrophenol	40.000	45.878	-14.7	113	-0.01
27	2,4-Dimethylphenol	40.000	40.532	-1.3	106	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.891	-2.2	106	-0.01
29 C	2,4-Dichlorophenol	40.000	40.760	-1.9	103	-0.01
30	1,2,4-Trichlorobenzene	40.000	39.082	2.3	103	-0.01
31	Naphthalene	40.000	39.178	2.1	102	-0.01
32	Benzoic acid	40.000	43.933	-9.8	122	-0.01
33	4-Chloroaniline	40.000	38.458	3.9	99	0.00
34 C	Hexachlorobutadiene	40.000	39.348	1.6	103	-0.01
35	Caprolactam	40.000	43.628	-9.1	107	-0.01
36 C	4-Chloro-3-methylphenol	40.000	41.032	-2.6	103	0.00
37	2-Methylnaphthalene	40.000	38.531	3.7	99	-0.01
38	1-Methylnaphthalene	40.000	38.352	4.1	99	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.279	-0.7	95	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.840	-9.6	101	0.00
42 S	2,4,6-Tribromophenol	80.000	83.145	-3.9	95	0.00
43 C	2,4,6-Trichlorophenol	40.000	43.230	-8.1	100	0.00
44	2,4,5-Trichlorophenol	40.000	42.523	-6.3	98	0.00
45 S	2-Fluorobiphenyl	80.000	82.051	-2.6	94	-0.01
46	1,1'-Biphenyl	40.000	40.533	-1.3	96	0.00
47	2-Chloronaphthalene	40.000	39.928	0.2	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047566.D
 Acq On : 19 Sep 2024 11:49
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	44.296	-10.7	100	0.00
49	Acenaphthylene	40.000	40.512	-1.3	94	0.00
50	Dimethylphthalate	40.000	41.425	-3.6	98	0.00
51	2,6-Dinitrotoluene	40.000	42.810	-7.0	99	-0.01
52 C	Acenaphthene	40.000	40.913	-2.3	96	0.00
53	3-Nitroaniline	40.000	43.417	-8.5	99	0.00
54 P	2,4-Dinitrophenol	40.000	45.515	-13.8	111	0.00
55	Dibenzofuran	40.000	39.385	1.5	93	-0.01
56 P	4-Nitrophenol	40.000	44.188	-10.5	99	0.00
57	2,4-Dinitrotoluene	40.000	43.073	-7.7	97	0.00
58	Fluorene	40.000	39.999	0.0	91	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.149	-2.9	96	-0.01
60	Diethylphthalate	40.000	43.320	-8.3	101	0.00
61	4-Chlorophenyl-phenylether	40.000	39.419	1.5	89	0.00
62	4-Nitroaniline	40.000	42.836	-7.1	92	0.00
63	Azobenzene	40.000	41.953	-4.9	97	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	95	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.931	-4.8	108	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.138	-0.3	92	0.00
67	4-Bromophenyl-phenylether	40.000	39.463	1.3	92	0.00
68	Hexachlorobenzene	40.000	39.554	1.1	93	0.00
69	Atrazine	40.000	33.602	16.0	76	0.00
70 C	Pentachlorophenol	40.000	45.647	-14.1	102	0.00
71	Phenanthrene	40.000	39.274	1.8	90	0.00
72	Anthracene	40.000	39.996	0.0	91	-0.01
73	Carbazole	40.000	40.624	-1.6	93	0.00
74	Di-n-butylphthalate	40.000	47.117	-17.8	105	0.00
75 C	Fluoranthene	40.000	40.964	-2.4	91	-0.01
76 I	Chrysene-d12	20.000	20.000	0.0	92	-0.01
77	Benzidine	40.000	65.820	-64.5#	168	0.00
78	Pyrene	40.000	40.414	-1.0	90	0.00
79 S	Terphenyl-d14	80.000	89.167	-11.5	91	0.00
80	Butylbenzylphthalate	40.000	51.985	-30.0#	114	-0.01
81	Benzo(a)anthracene	40.000	41.003	-2.5	92	0.00
82	3,3'-Dichlorobenzidine	40.000	54.316	-35.8#	119	0.00
83	Chrysene	40.000	40.556	-1.4	91	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	53.928	-34.8#	117	-0.01
85 c	Di-n-octyl phthalate	40.000	60.483	-51.2#	133	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	111	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	45.304	-13.3	128	-0.01
88	Benzo(b)fluoranthene	40.000	40.137	-0.3	108	0.00
89	Benzo(k)fluoranthene	40.000	39.316	1.7	103	-0.01
90 C	Benzo(a)pyrene	40.000	40.750	-1.9	110	-0.01
91	Dibenzo(a,h)anthracene	40.000	45.050	-12.6	127	-0.01
92	Benzo(g,h,i)perylene	40.000	45.311	-13.3	128	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1



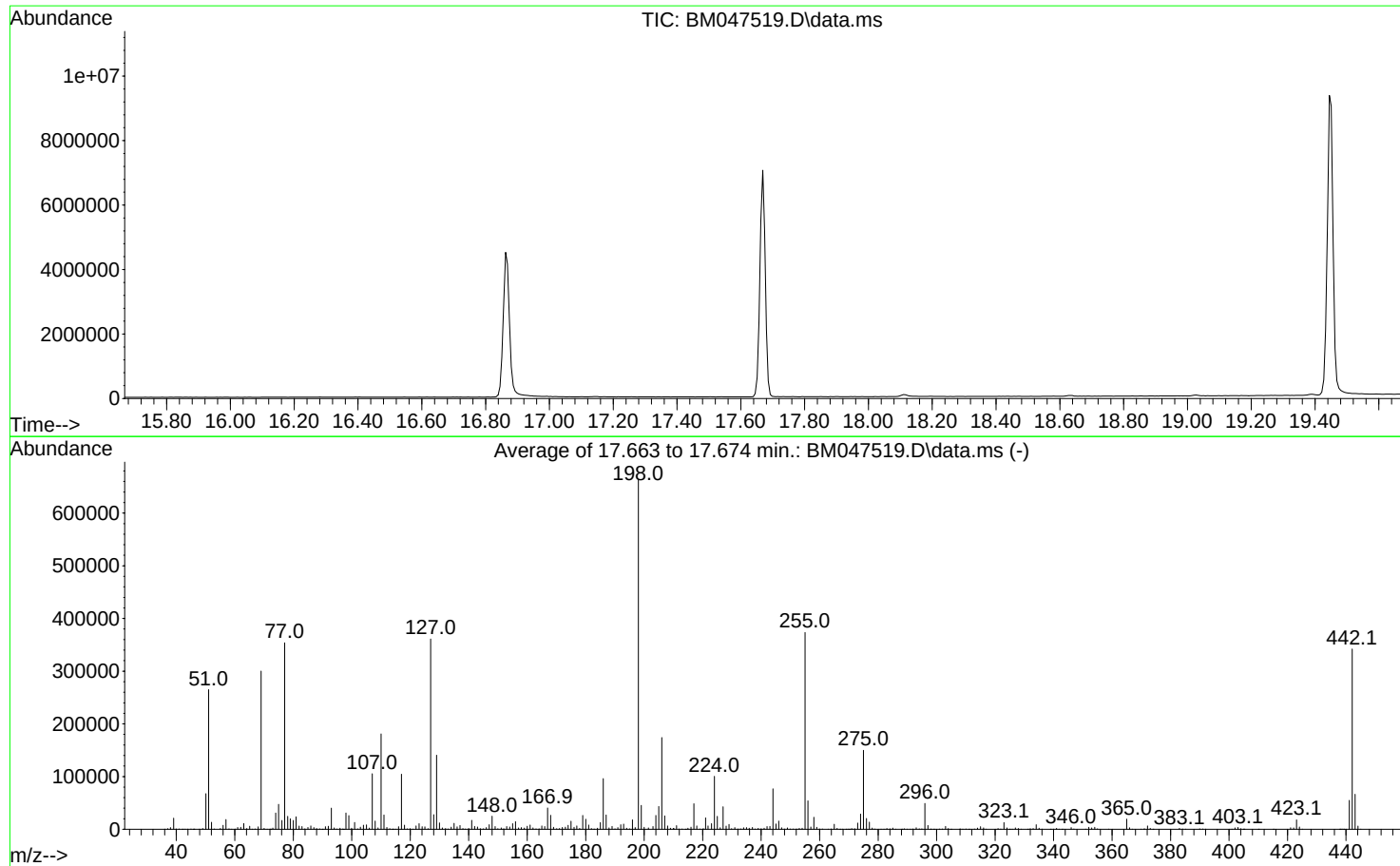
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

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



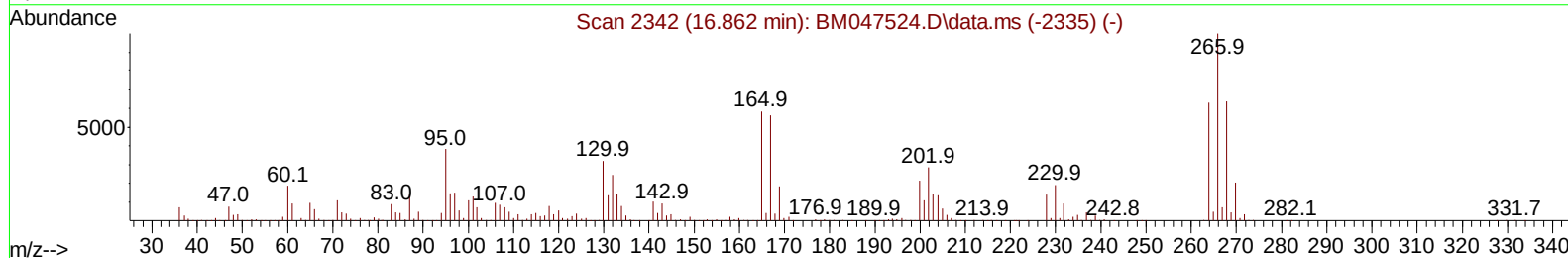
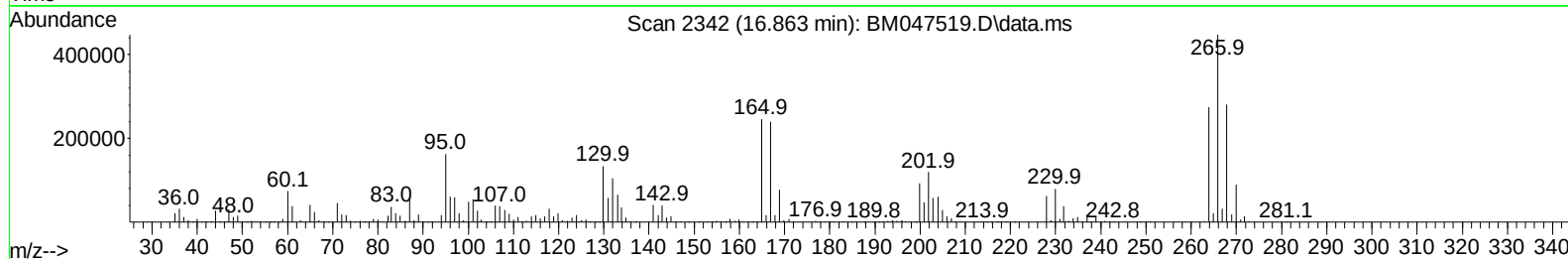
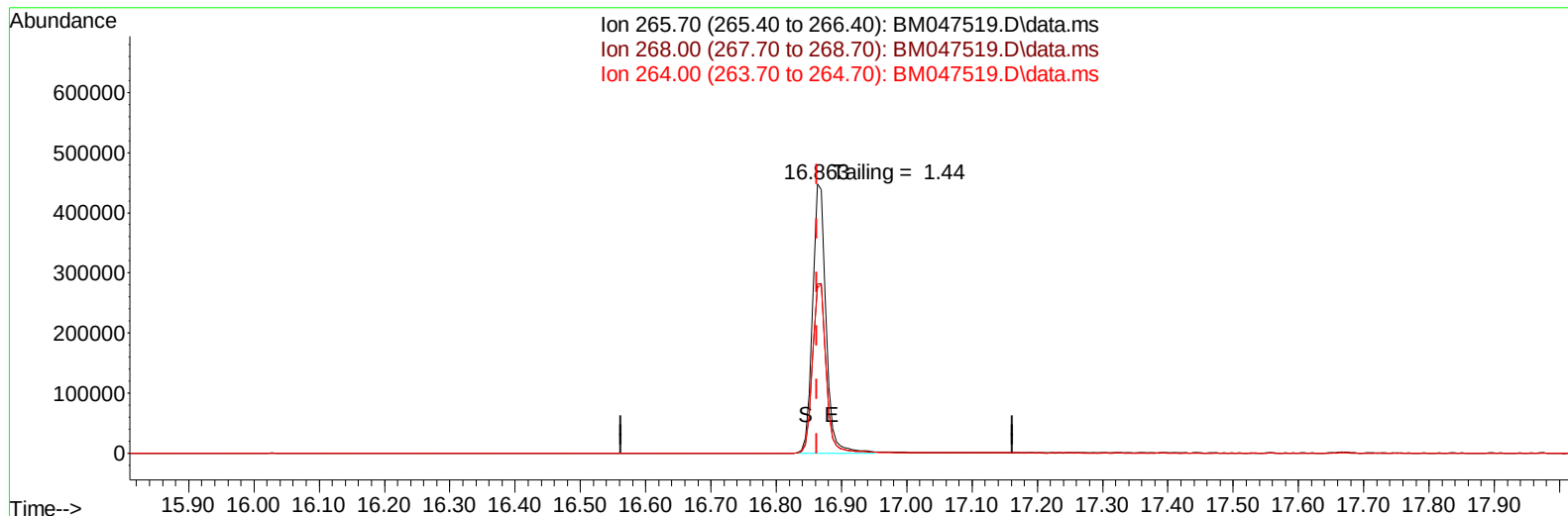
AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2471

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.9	264866	PASS
68	69	0.00	2	1.5	4554	PASS
69	198	0.00	100	45.2	300217	PASS
70	69	0.00	2	0.6	1725	PASS
127	198	10	80	54.4	361109	PASS
197	198	0.00	2	0.5	3353	PASS
198	198	100	100	100.0	663616	PASS
199	198	5	9	6.8	45408	PASS
275	198	10	60	22.6	149971	PASS
365	198	1	100	2.9	19493	PASS
441	198	0.01	100	8.3	54813	PASS
442	442	50	100	100.0	341973	PASS
443	442	15	24	19.4	66293	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 15 09:03:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



TIC: BM047519.D\data.ms

(70) Pentachlorophenol (C)

16.863min (+ 0.000) 149789.64 ng

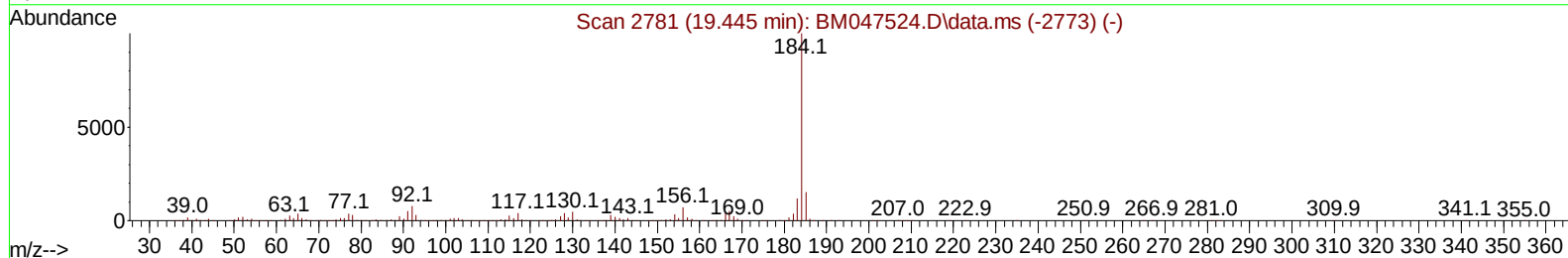
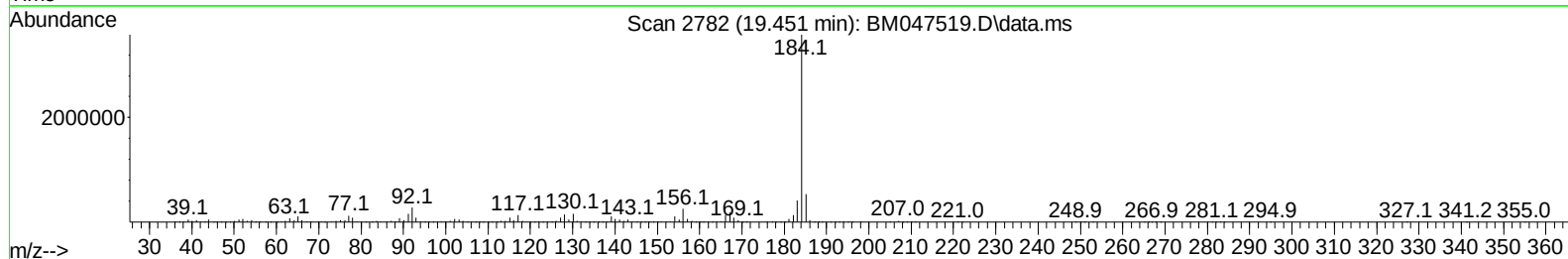
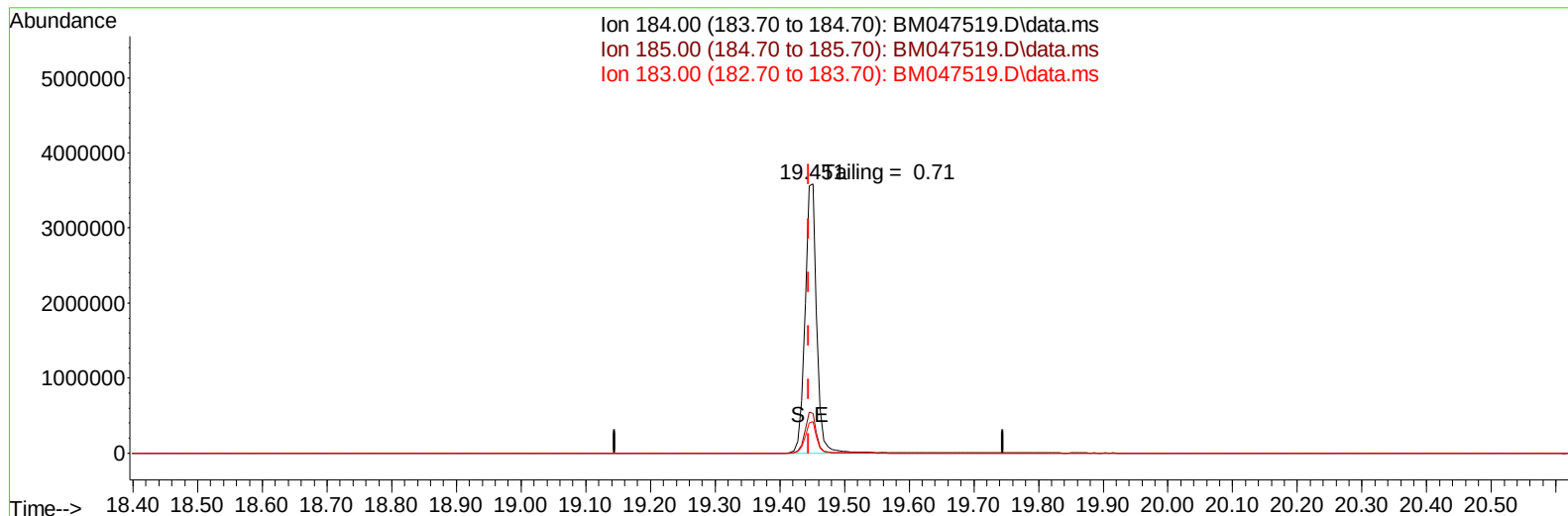
response 629866

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	62.83
264.00	63.00	61.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 15 09:03:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



TIC: BM047519.D\data.ms

(77) Benzidine

19.451min (+ 0.006) 303907.69 ng

response 4609731

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.82
183.00	12.00	11.61
0.00	0.00	0.00

Instrument :
 BNA_M
 ClientSampleId :
 DFTPP

DDT Breakdown

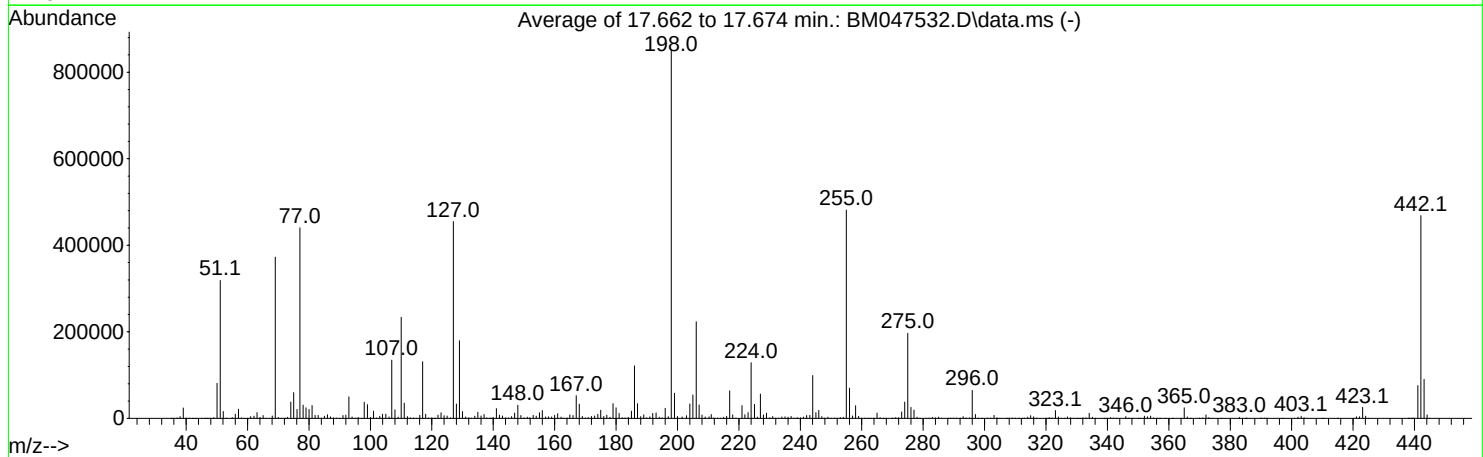
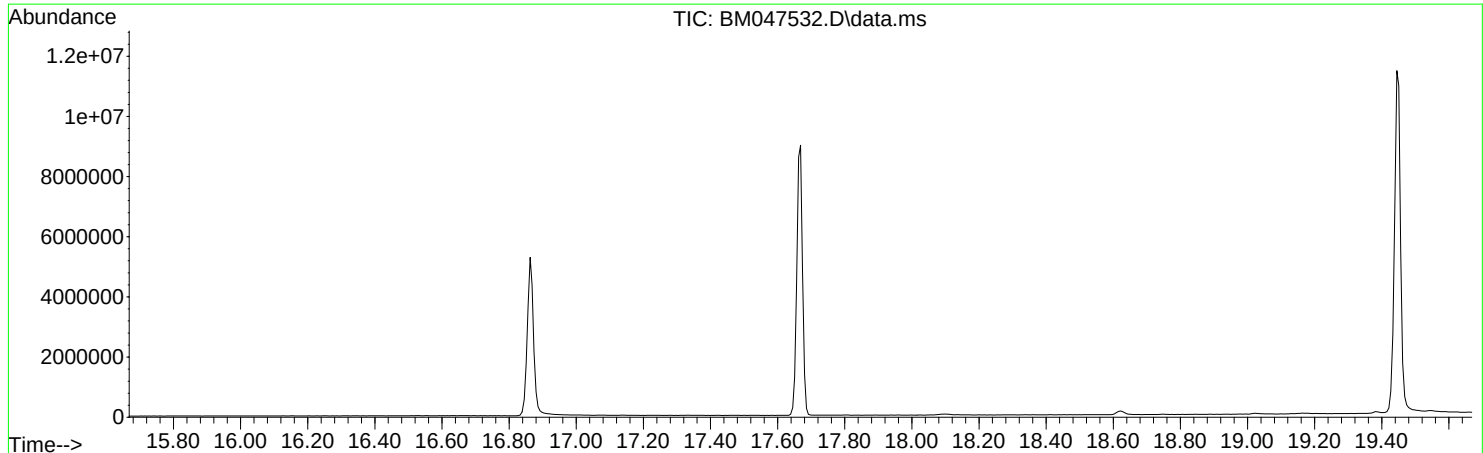
Date	Instrument Name	DFTPP Data File
9/14/2024	BNA_M	<u>BM047519.D</u>
Compound Name	Response	Retention Time
DDT	2011863	20.686
DDD	13962	20.304
DDE	0	19.892
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
13962	2025825	0.69

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047532.D
Acq On : 16 Sep 2024 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

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



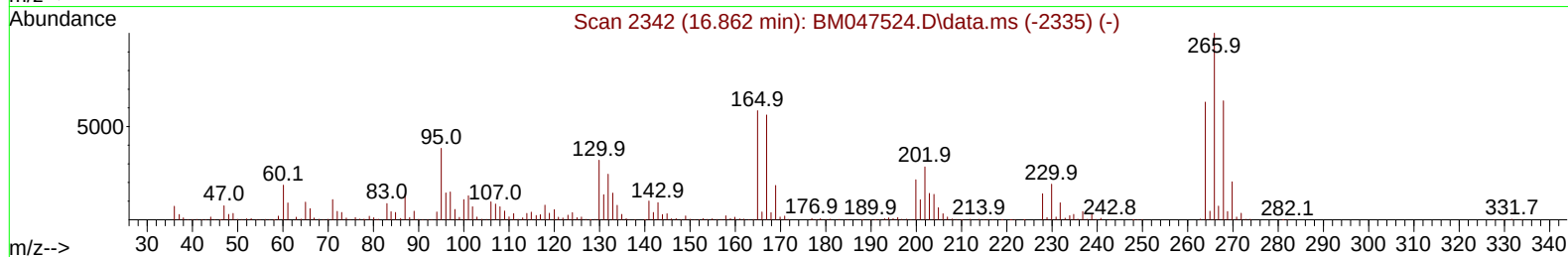
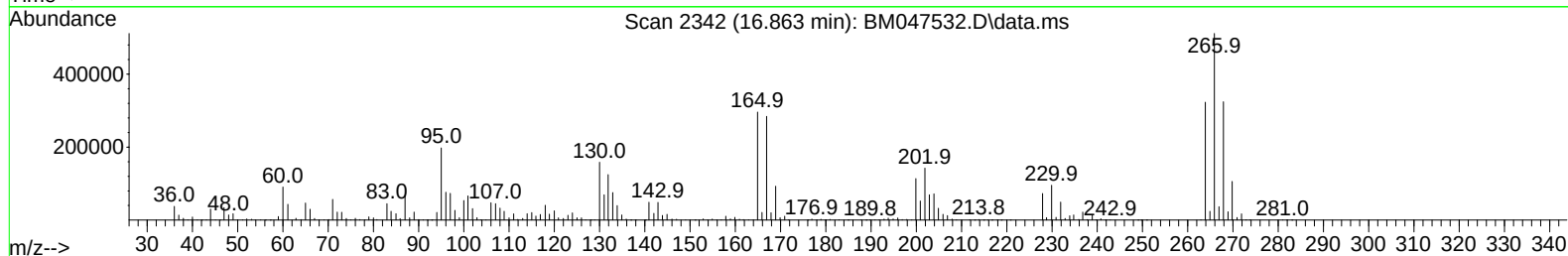
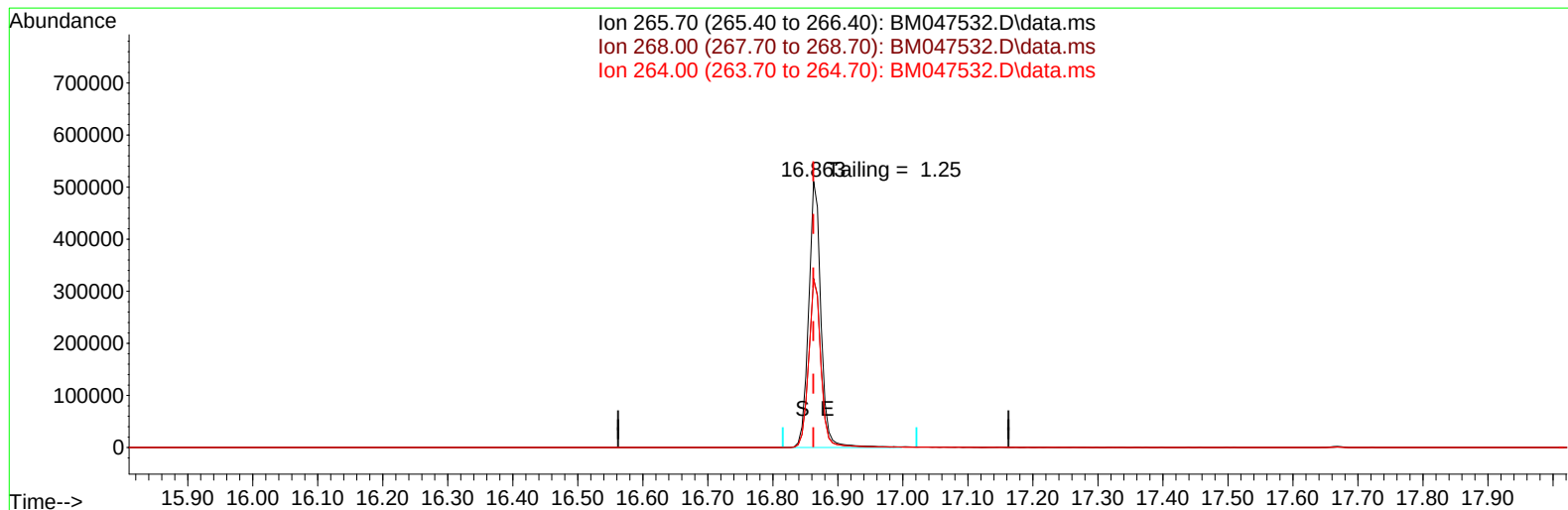
AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2470

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.5	318753	PASS
68	69	0.00	2	1.5	5688	PASS
69	198	0.00	100	43.9	372949	PASS
70	69	0.00	2	0.5	2048	PASS
127	198	10	80	53.5	454912	PASS
197	198	0.00	2	0.5	3954	PASS
198	198	100	100	100.0	850133	PASS
199	198	5	9	6.8	58083	PASS
275	198	10	60	23.1	196757	PASS
365	198	1	100	2.9	24600	PASS
441	198	0.01	100	8.9	75757	PASS
442	442	50	100	100.0	468565	PASS
443	442	15	24	19.3	90395	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047532.D
Acq On : 16 Sep 2024 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 16 11:33:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



TIC: BM047532.D\data.ms

(70) Pentachlorophenol (C)

16.863min (+ 0.000) 1952988.49 ng

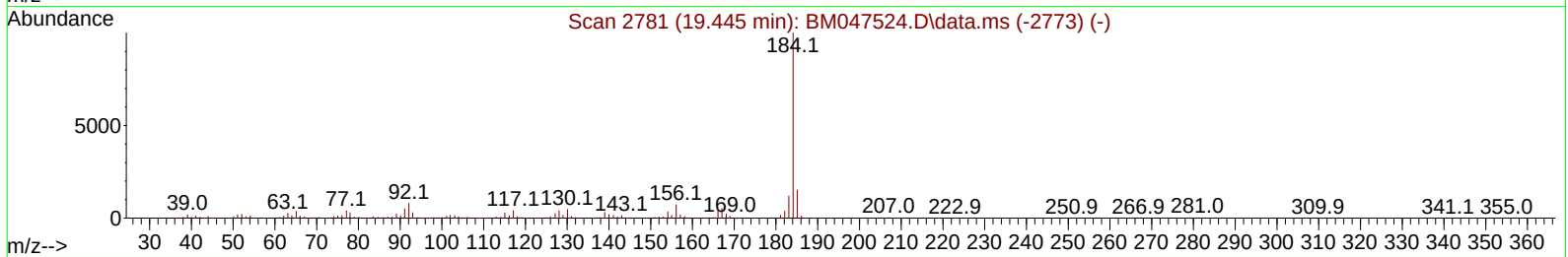
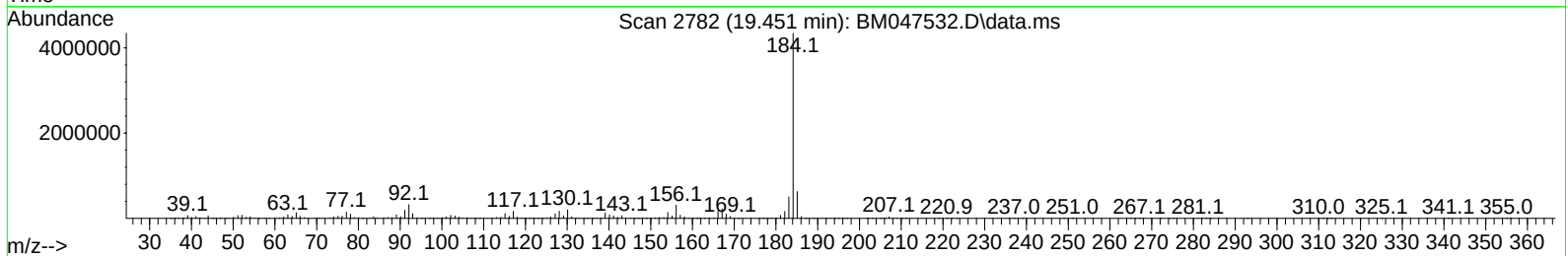
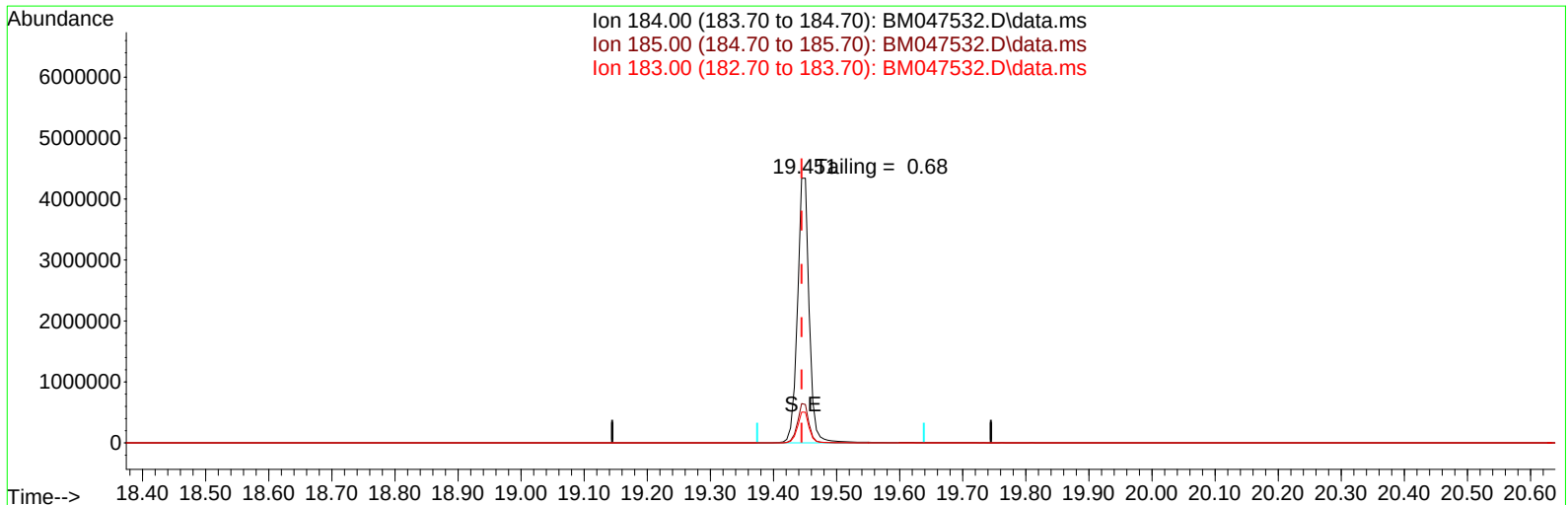
response 672937

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	63.45
264.00	63.00	63.20
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
Data File : BM047532.D
Acq On : 16 Sep 2024 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 16 11:33:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



TIC: BM047532.D\data.ms

(77) Benzidine

19.451min (+ 0.006) 33612.78 ng

response 5649482

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.49
183.00	12.00	11.57
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

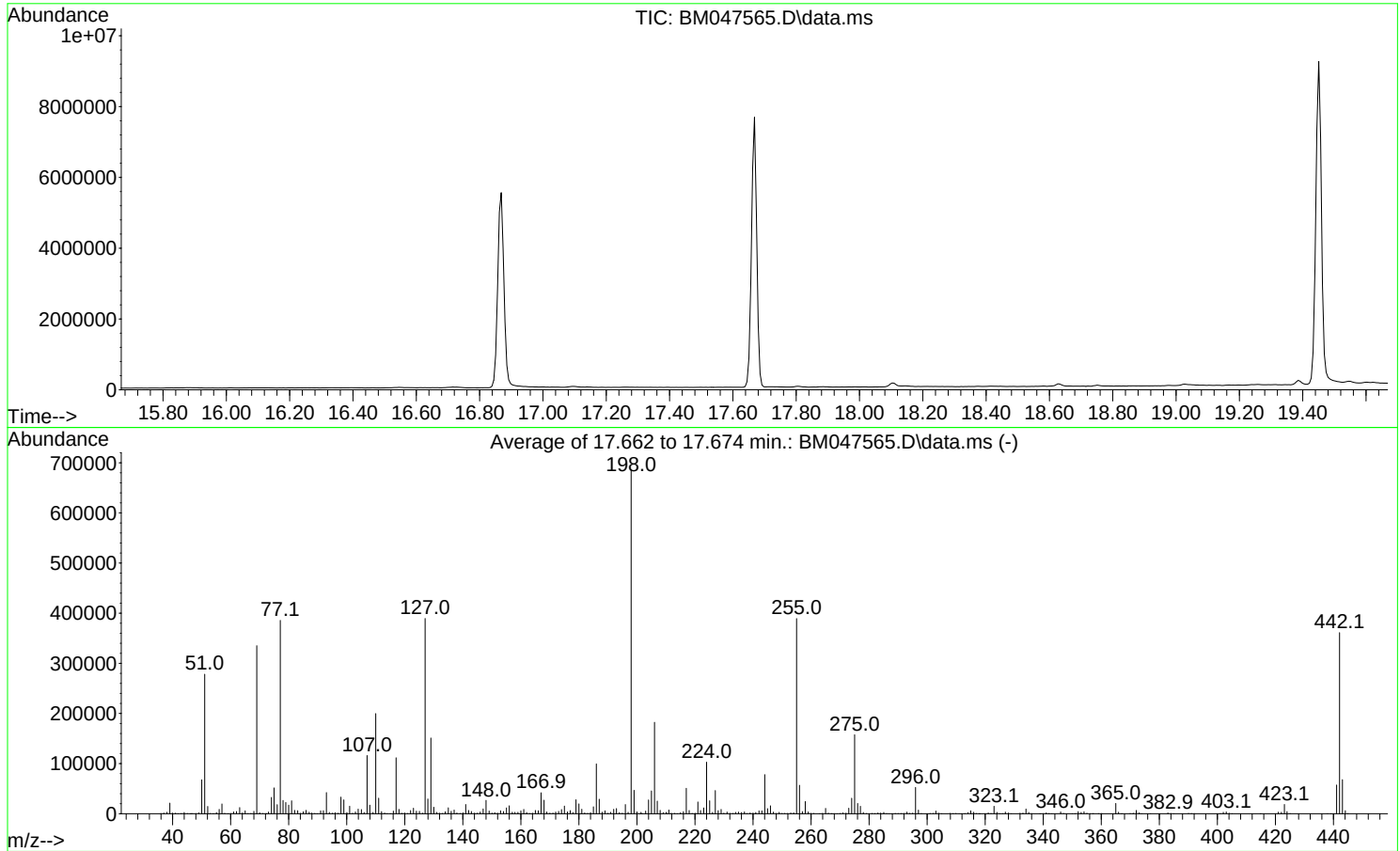
Date	Instrument Name	DFTPP Data File
9/16/2024	BNA_M	<u>BM047532.D</u>
Compound Name	Response	Retention Time
DDT	2268067	20.686
DDD	25450	20.245
DDE	3522	19.739
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
28972	2297039	1.26

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

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



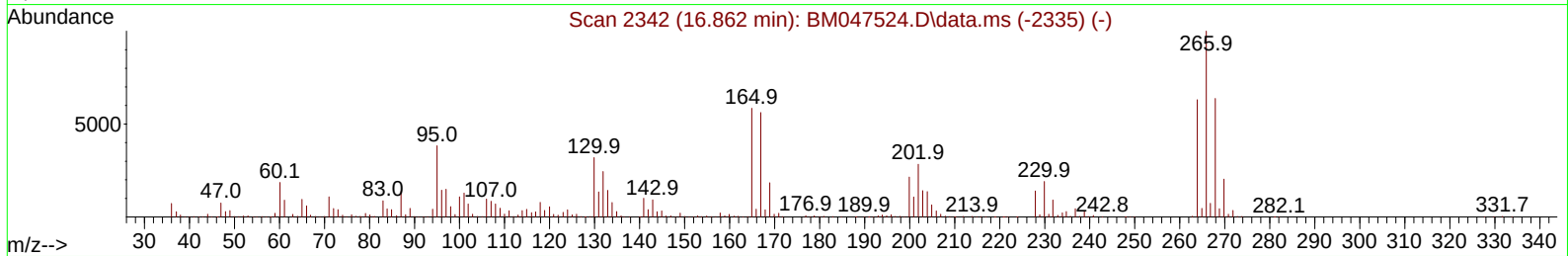
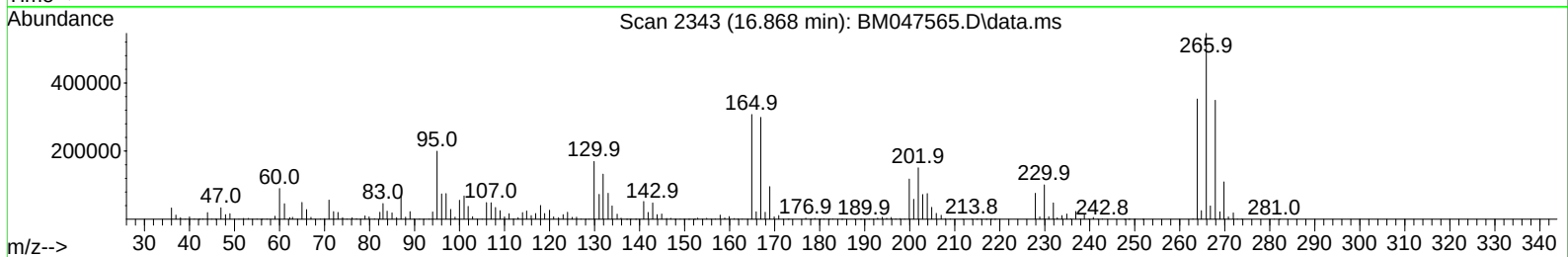
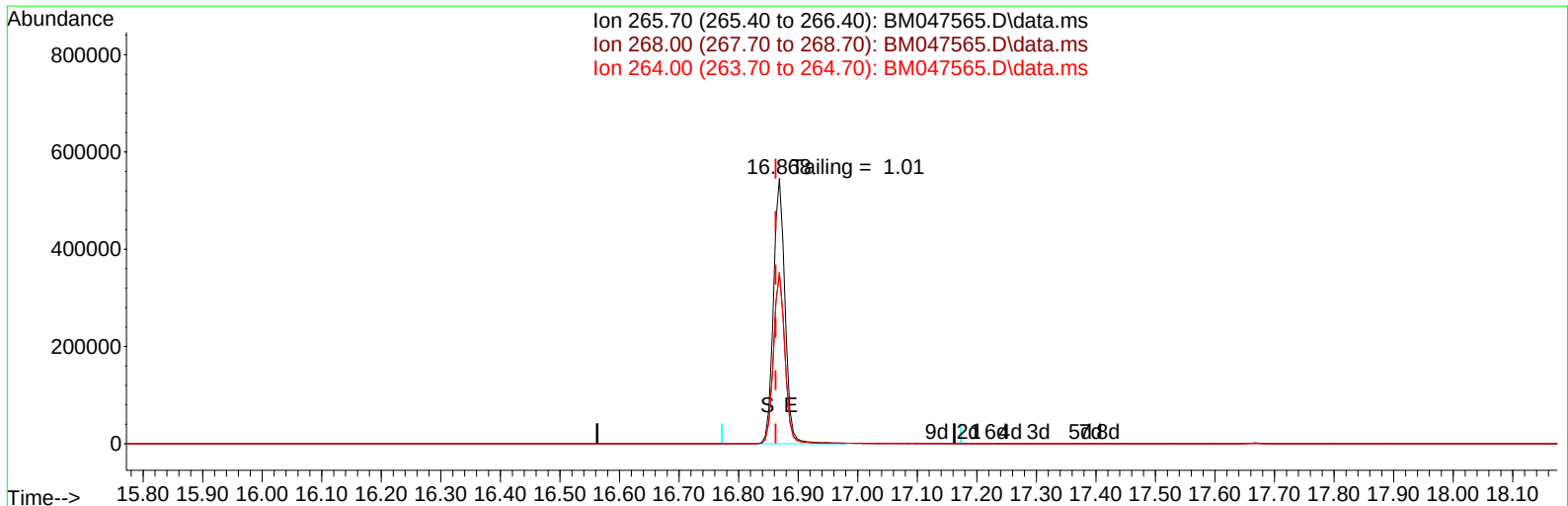
AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2470

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.6	278274	PASS
68	69	0.00	2	1.5	4882	PASS
69	198	0.00	100	48.9	335179	PASS
70	69	0.00	2	0.6	1919	PASS
127	198	10	80	56.8	389461	PASS
197	198	0.00	2	0.4	2928	PASS
198	198	100	100	100.0	685845	PASS
199	198	5	9	6.8	46739	PASS
275	198	10	60	23.0	157611	PASS
365	198	1	100	3.0	20608	PASS
441	198	0.01	100	8.4	57341	PASS
442	442	50	100	100.0	361152	PASS
443	442	15	24	18.8	68013	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 19 12:50:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



TIC: BM047565.D\data.ms

(70) Pentachlorophenol (C)

16.868min (+ 0.006) 28826.43 ng m

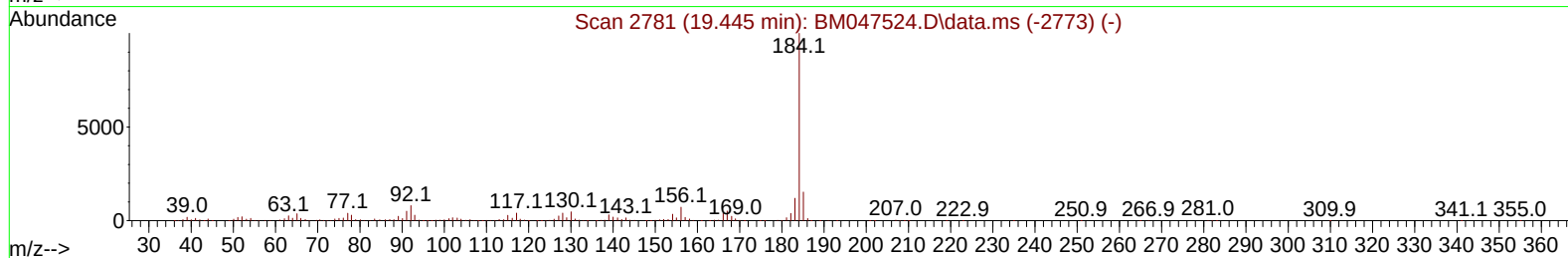
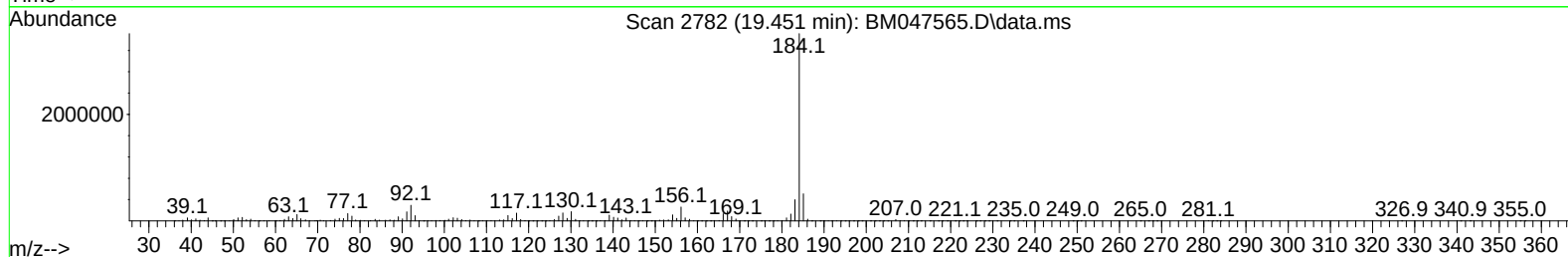
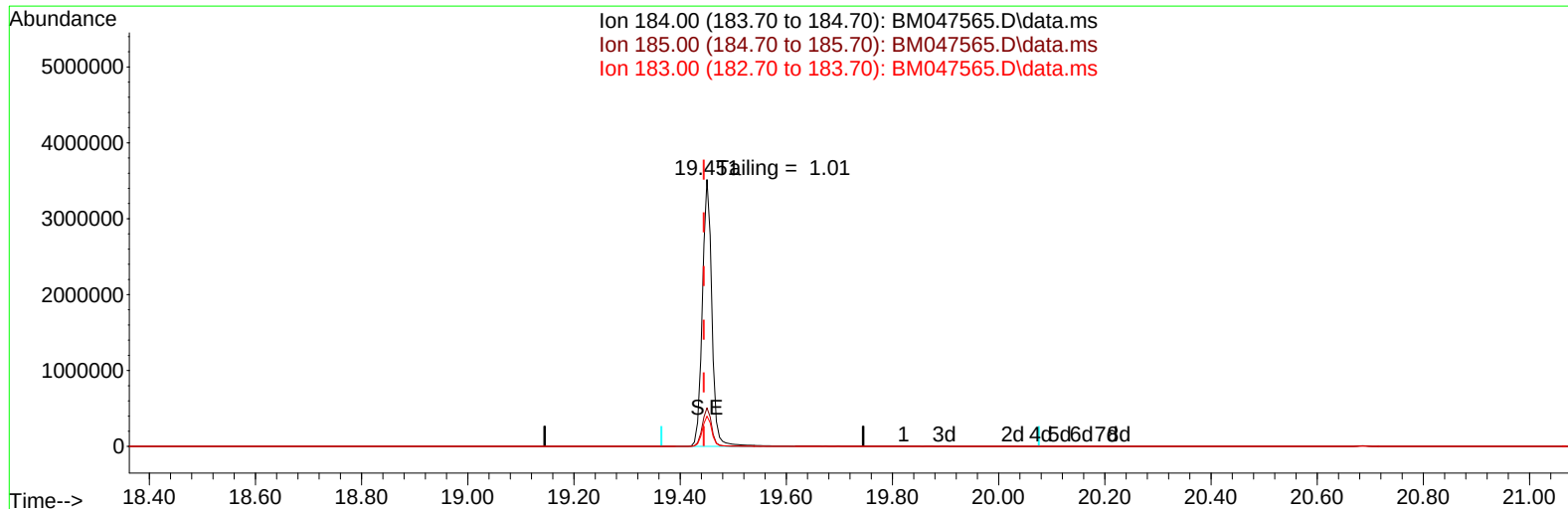
response 749732

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.70	64.05
264.00	63.00	64.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Sep 19 12:50:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



TIC: BM047565.D\data.ms

(77) Benzidine

19.451min (+ 0.006) 2160538.53 ng m

response 4472986

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.44
183.00	12.00	11.35
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/19/2024	BNA_M	<u>BM047565.D</u>
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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BL	SDG No.:	P3845
Lab Sample ID:	PB163318BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047567.D	1	09/12/24 08:40	09/19/24 12:35	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	1.00	U	1.00	10.0	ug/L
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
62-53-3	Aniline	1.60	U	1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	1.60	U	1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BL	SDG No.:	P3845
Lab Sample ID:	PB163318BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047567.D	1	09/12/24 08:40	09/19/24 12:35	PB163318

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BL	SDG No.:	P3845
Lab Sample ID:	PB163318BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047567.D	1	09/12/24 08:40	09/19/24 12:35	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	124		10 - 139	83%	SPK: 150
13127-88-3	Phenol-d6	109		10 - 134	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.0		49 - 133	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.7		52 - 132	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		44 - 137	71%	SPK: 150
1718-51-0	Terphenyl-d14	95.1		48 - 125	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	354000	7.839			
1146-65-2	Naphthalene-d8	1340000	10.633			
15067-26-2	Acenaphthene-d10	660000	14.474			
1517-22-2	Phenanthrene-d10	1170000	17.209			
1719-03-5	Chrysene-d12	865000	21.433			
1520-96-3	Perylene-d12	939000	24.456			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB163318BL

Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	353821	20.000	ng	-0.01
21) Naphthalene-d8	10.633	136	1340234	20.000	ng	-0.01
39) Acenaphthene-d10	14.474	164	659710	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1165231	20.000	ng	0.00
76) Chrysene-d12	21.433	240	864552	20.000	ng	-0.01
86) Perylene-d12	24.456	264	939242	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	2760872	124.241	ng	0.00
7) Phenol-d6	7.004	99	3405572	108.822	ng	0.00
23) Nitrobenzene-d5	8.992	82	2088000	77.969	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	682393	107.014	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	3670972	76.653	ng	-0.01
79) Terphenyl-d14	19.821	244	4587860	95.092	ng	-0.01

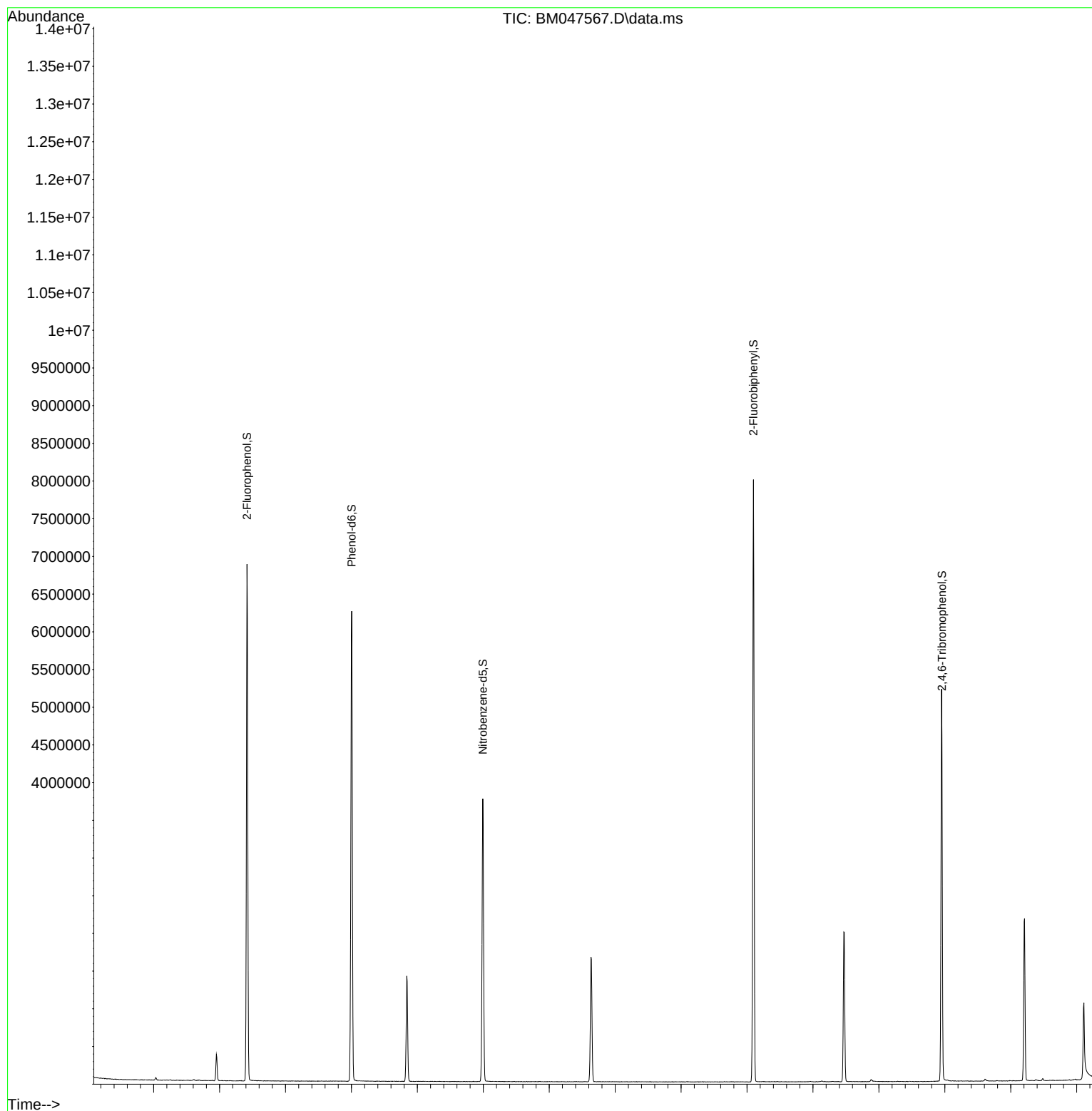
Target Compounds	Qvalue
-----	-----

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB163318BL

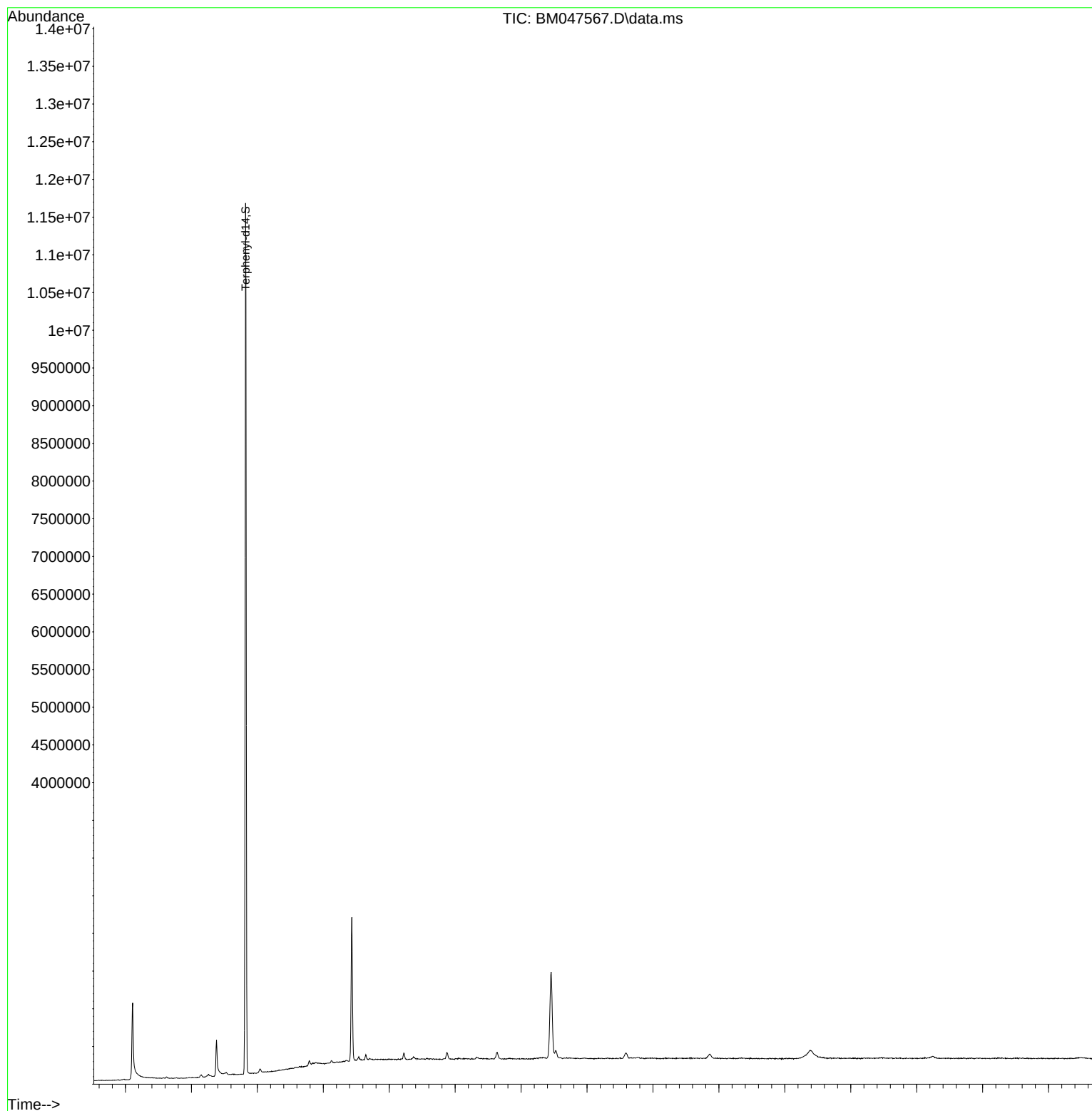
Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

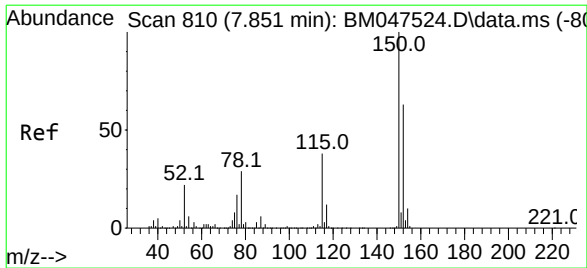


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB163318BL

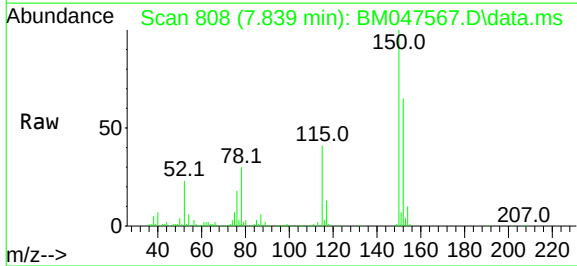
Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



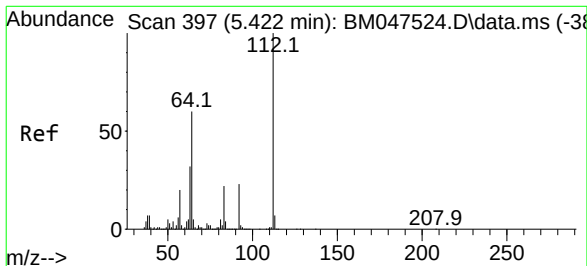
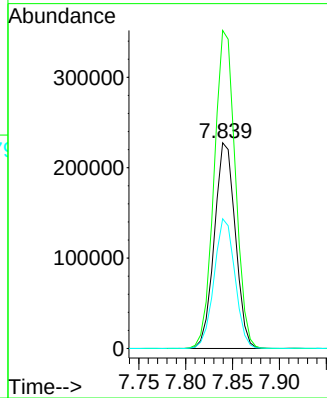
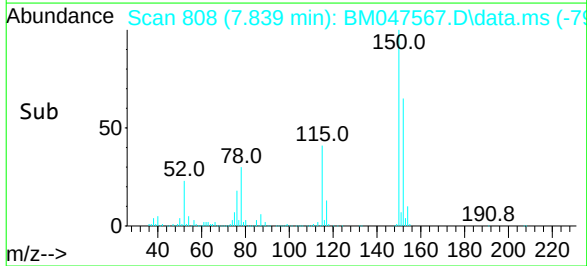


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Instrument :
BNA_M
ClientSampleId :
PB163318BL

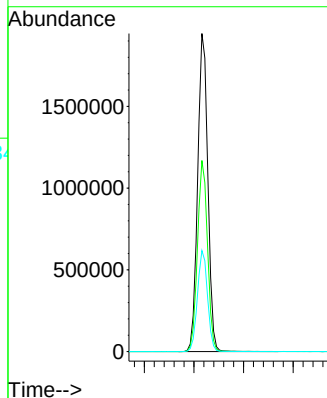
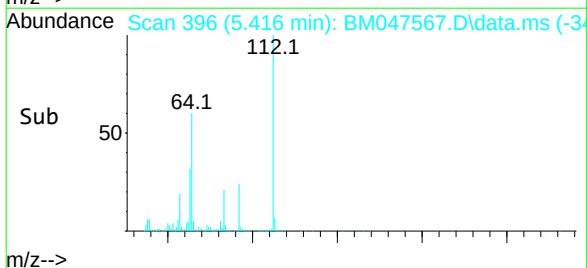
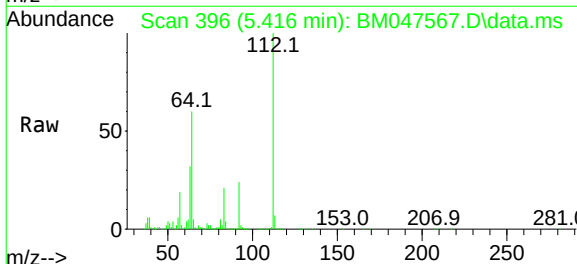


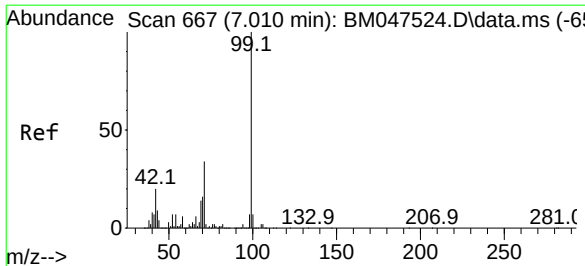
Tgt Ion:152 Resp: 353821
Ion Ratio Lower Upper
152 100
150 154.6 126.8 190.2
115 63.0 47.8 71.8



#5
2-Fluorophenol
Concen: 124.241 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:112 Resp: 2760872
Ion Ratio Lower Upper
112 100
64 60.1 48.2 72.4
63 31.8 26.0 39.0

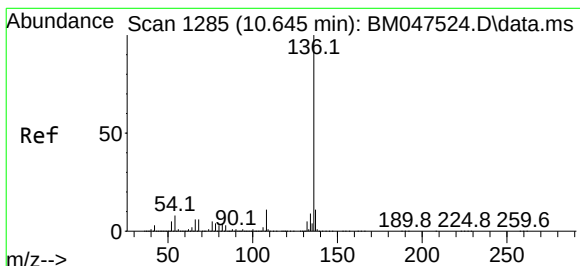
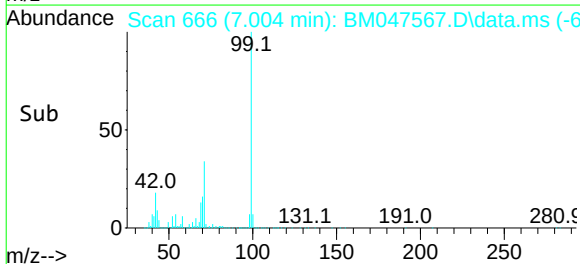
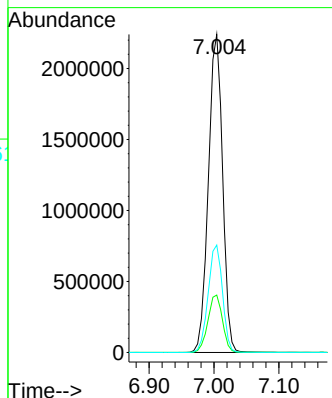
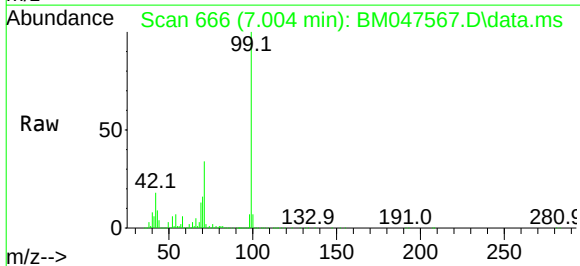




#7
Phenol-d6
Concen: 108.822 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

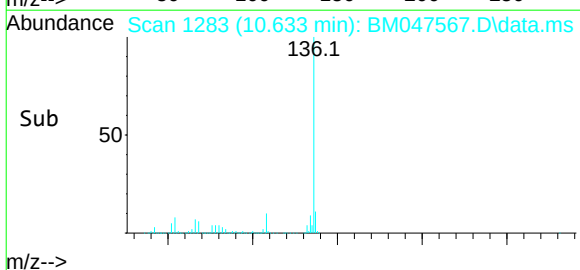
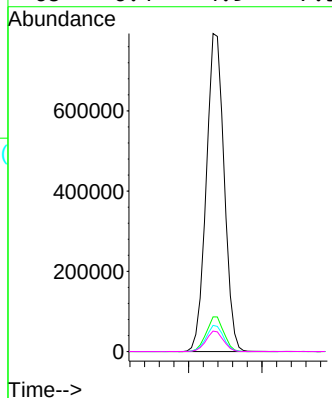
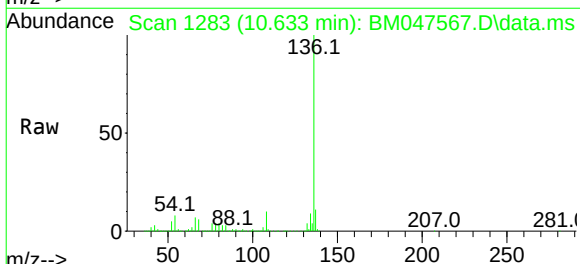
Instrument :
BNA_M
ClientSampleId :
PB163318BL

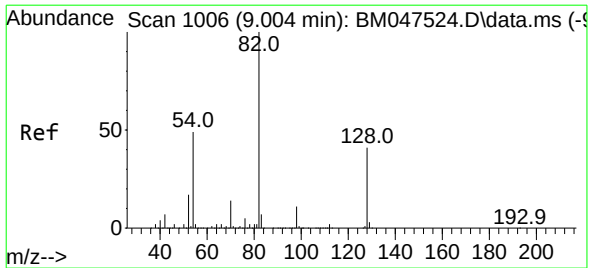
Tgt Ion: 99 Resp: 3405572
Ion Ratio Lower Upper
99 100
42 18.1 15.8 23.8
71 33.8 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion: 136 Resp: 1340234
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.2 6.6 9.8
68 6.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 77.969 ng

RT: 8.992 min Scan# 1004

Delta R.T. -0.012 min

Lab File: BM047567.D

Acq: 19 Sep 2024 12:35

Instrument :

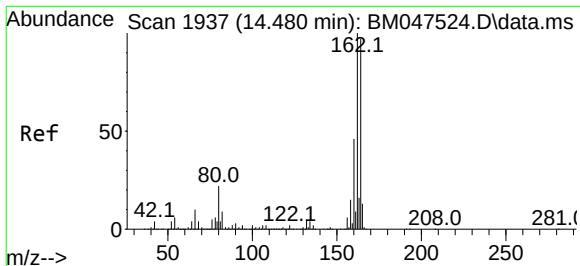
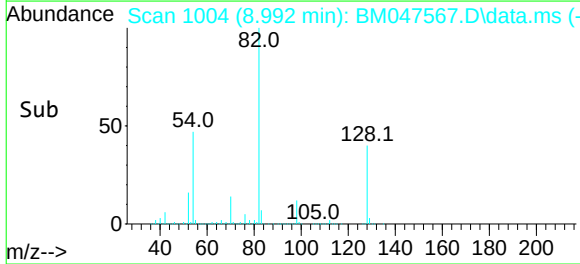
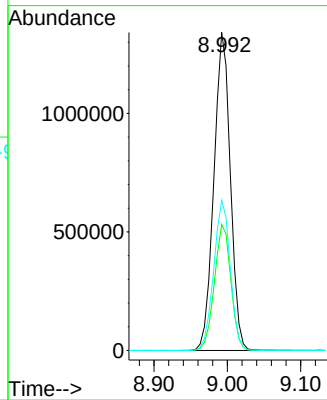
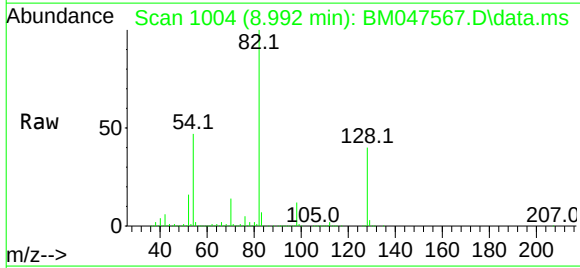
BNA_M

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

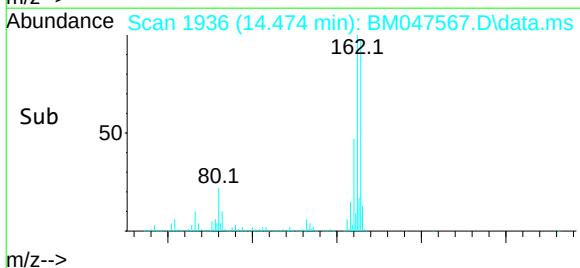
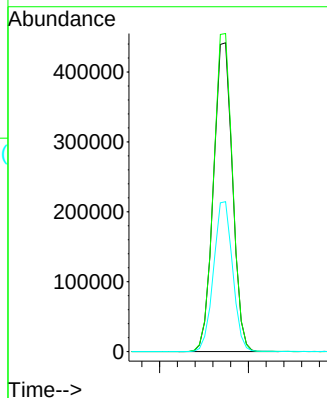
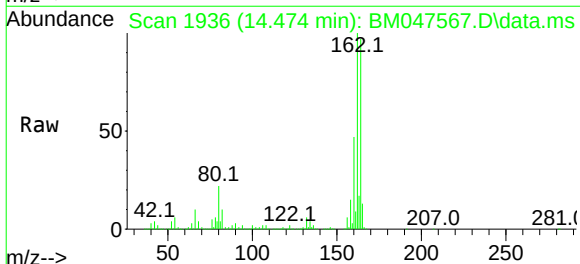
Delta R.T. -0.006 min

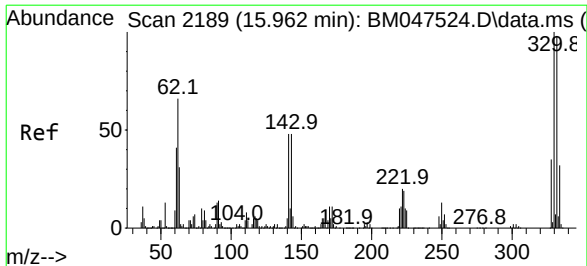
Lab File: BM047567.D

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

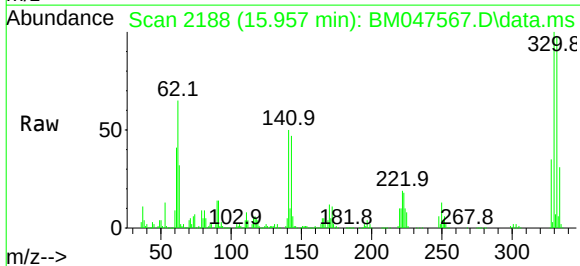
Acq: 19 Sep 2024 12:35

Instrument :

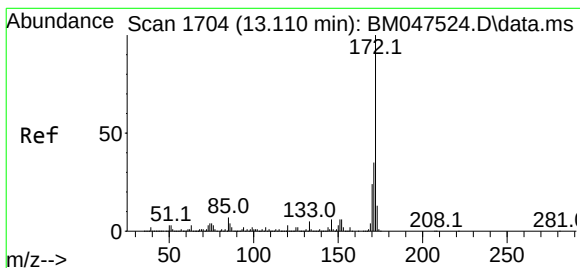
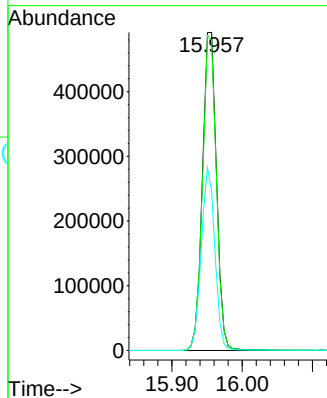
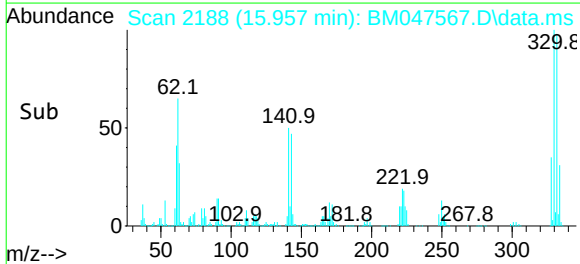
BNA_M

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

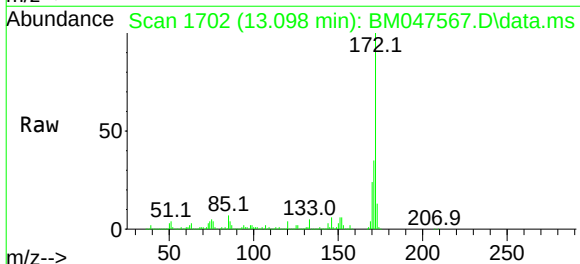
Concen: 76.653 ng

RT: 13.098 min Scan# 1702

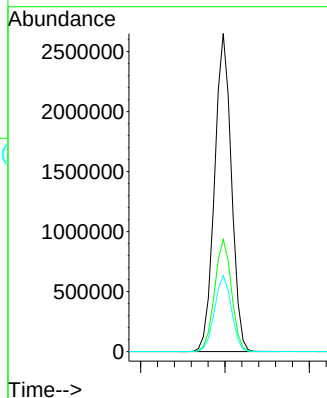
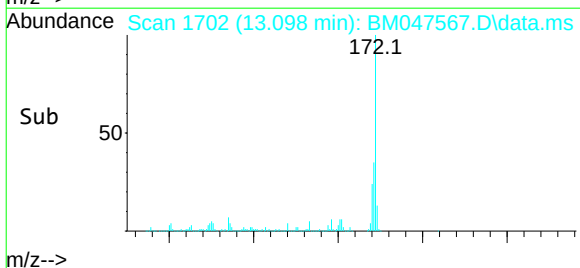
Delta R.T. -0.012 min

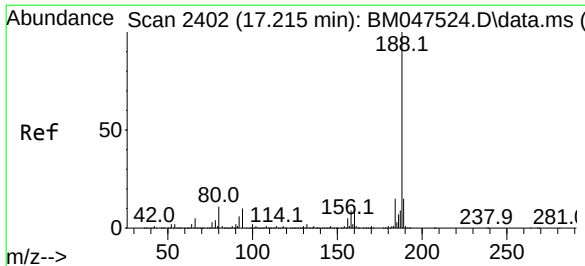
Lab File: BM047567.D

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

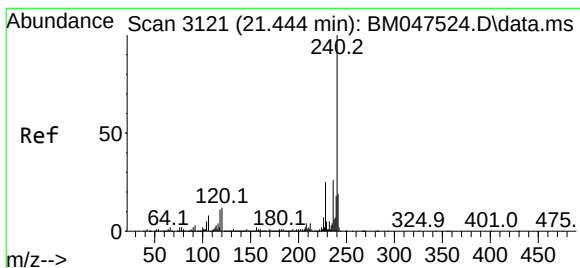
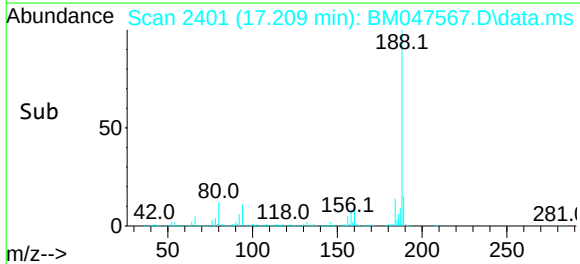
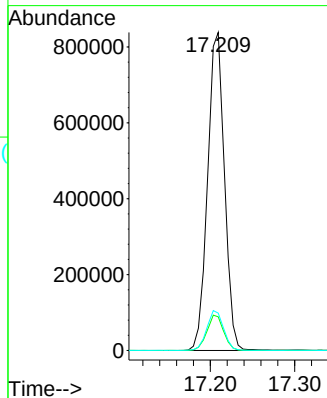
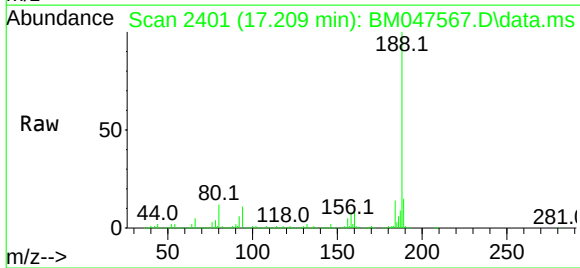
Tgt Ion:188 Resp: 1165231

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

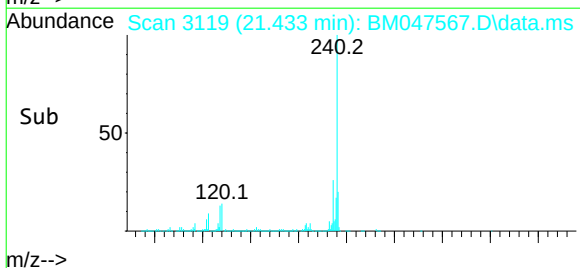
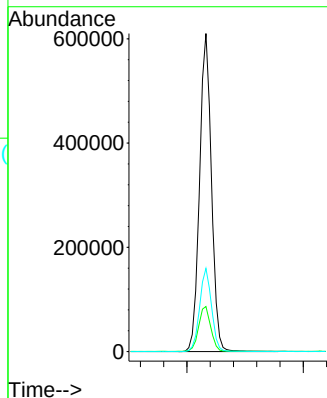
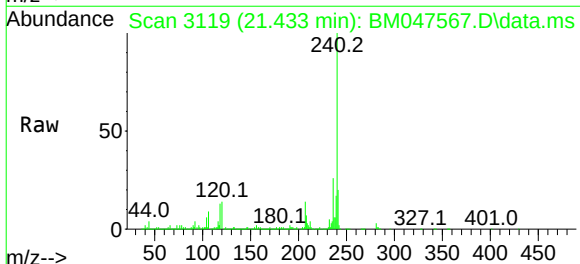
Tgt Ion:240 Resp: 864552

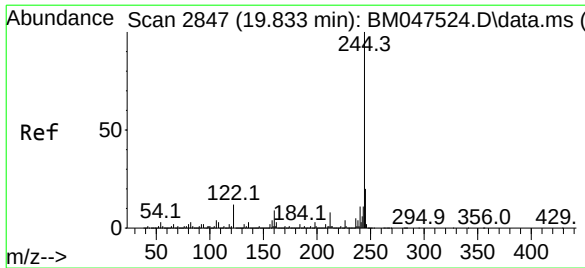
Ion Ratio Lower Upper

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

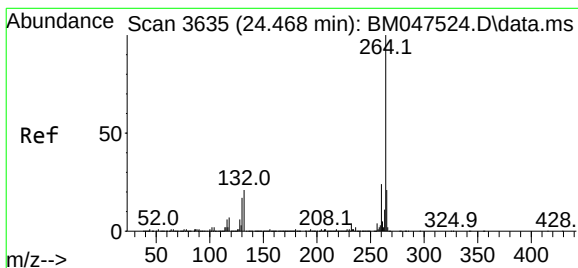
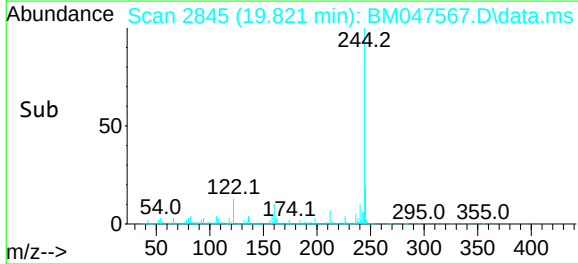
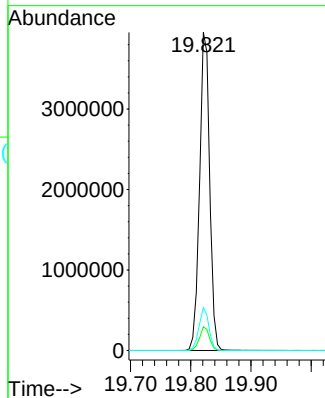
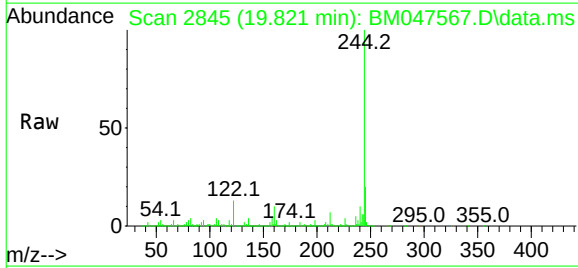
Tgt Ion:244 Resp: 4587860

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

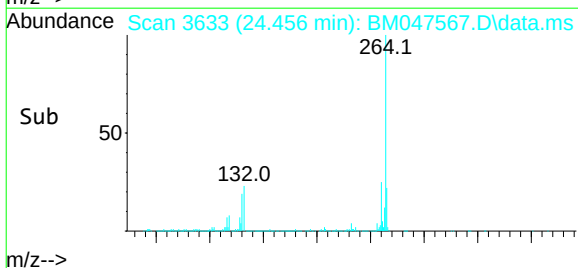
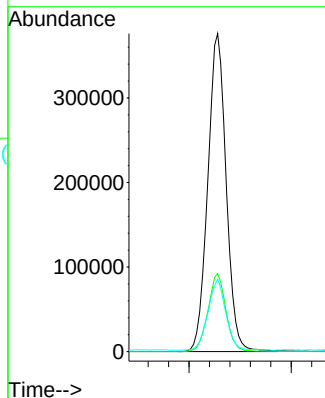
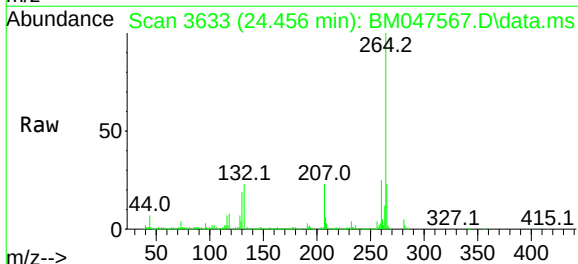
Tgt Ion:264 Resp: 939242

Ion Ratio Lower Upper

264 100

260 24.5 18.9 28.3

265 22.8 17.4 26.2



Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Waste Water PT		Date Received:	
Client Sample ID:	PB163318BS		SDG No.:	P3845
Lab Sample ID:	PB163318BS		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047568.D	1	09/12/24 08:40	09/19/24 13:15	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	40.5		1.00	10.0	ug/L
110-86-1	Pyridine	36.5		1.60	5.00	ug/L
100-52-7	Benzaldehyde	17.6		4.00	10.0	ug/L
62-53-3	Aniline	46.2		1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	41.3		0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	42.7		0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.9		0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	45.6		1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.9		1.40	5.00	ug/L
98-86-2	Acetophenone	44.5		1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.3		1.50	2.50	ug/L
67-72-1	Hexachloroethane	44.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.1		1.30	5.00	ug/L
78-59-1	Isophorone	44.6		1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.8		1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	40.8		1.10	5.00	ug/L
91-20-3	Naphthalene	42.9		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	28.3		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.0		1.30	5.00	ug/L
105-60-2	Caprolactam	43.9		1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	45.6		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.5		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.7		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.9		0.93	5.00	ug/L
208-96-8	Acenaphthylene	49.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.2		1.20	5.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BS	SDG No.:	P3845
Lab Sample ID:	PB163318BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047568.D	1	09/12/24 08:40	09/19/24 13:15	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	36.9		1.40	5.00	ug/L
83-32-9	Acenaphthene	51.0		0.81	5.00	ug/L
132-64-9	Dibenzofuran	44.5		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.50	5.00	ug/L
84-66-2	Diethylphthalate	45.2		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.9		0.98	5.00	ug/L
86-73-7	Fluorene	43.4		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.7		2.00	5.00	ug/L
86-30-6	n-Nitrosodiphenylamine	48.3		0.89	5.00	ug/L
103-33-3	Azobenzene	47.7		1.20	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.0		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	44.6		1.10	5.00	ug/L
1912-24-9	Atrazine	51.5		1.30	5.00	ug/L
85-01-8	Phenanthrene	46.6		0.89	5.00	ug/L
120-12-7	Anthracene	49.2		1.10	5.00	ug/L
86-74-8	Carbazole	46.3		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	50.0		1.50	5.00	ug/L
206-44-0	Fluoranthene	43.7		1.30	5.00	ug/L
92-87-5	Benzidine	88.9	E	4.10	10.0	ug/L
129-00-0	Pyrene	48.8		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	56.6		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	50.4		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.6		0.94	5.00	ug/L
218-01-9	Chrysene	48.4		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.6		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	61.1		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.6		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	47.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.4		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	63.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	62.3		1.20	5.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BS	SDG No.:	P3845
Lab Sample ID:	PB163318BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047568.D	1	09/12/24 08:40	09/19/24 13:15	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	59.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.8		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.9		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	39.3		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	156		10 - 139	104%	SPK: 150
13127-88-3	Phenol-d6	140		10 - 134	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.8		52 - 132	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	305000	7.839			
1146-65-2	Naphthalene-d8	1200000	10.639			
15067-26-2	Acenaphthene-d10	615000	14.474			
1517-22-2	Phenanthrene-d10	1070000	17.209			
1719-03-5	Chrysene-d12	845000	21.433			
1520-96-3	Perylene-d12	809000	24.456			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047568.D
 Acq On : 19 Sep 2024 13:15
 Operator : RC/JU
 Sample : PB163318BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB163318BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	304822	20.000	ng	-0.01
21) Naphthalene-d8	10.639	136	1201949	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	615193	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1066013	20.000	ng	0.00
76) Chrysene-d12	21.433	240	844898	20.000	ng	-0.01
86) Perylene-d12	24.456	264	808669	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	2977701	155.538	ng	0.00
7) Phenol-d6	7.004	99	3778517	140.148	ng	0.00
23) Nitrobenzene-d5	8.992	82	2308971	96.140	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	846795	142.405	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	4276289	95.753	ng	-0.01
79) Terphenyl-d14	19.821	244	5250065	111.348	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.316	88	319087	38.913	ng	99
3) Pyridine	3.710	79	889857	36.457	ng	97
4) n-Nitrosodimethylamine	3.616	42	449033	40.547	ng	92
6) Aniline	7.163	93	1104091	46.192	ng	100
8) 2-Chlorophenol	7.404	128	956923	45.342	ng	99
9) Benzaldehyde	6.975	77	225755	17.610	ng	99
10) Phenol	7.028	94	1246324	46.168	ng	99
11) bis(2-Chloroethyl)ether	7.263	93	957527	44.181	ng	99
12) 1,3-Dichlorobenzene	7.734	146	986124	42.689	ng	97
13) 1,4-Dichlorobenzene	7.881	146	1008844	42.877	ng	99
14) 1,2-Dichlorobenzene	8.192	146	956357	41.302	ng	99
15) Benzyl Alcohol	8.075	79	832704	45.596	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.363	45	1308822	42.931	ng	98
17) 2-Methylphenol	8.281	107	767865	44.525	ng	98
18) Hexachloroethane	8.928	117	413357	43.978	ng	95
19) n-Nitroso-di-n-propyla...	8.645	70	750456	41.284	ng	97
20) 3+4-Methylphenols	8.604	107	1051801	43.710	ng	99
22) Acetophenone	8.663	105	1406407	44.507	ng	# 98
24) Nitrobenzene	9.039	77	1087814	44.079	ng	99
25) Isophorone	9.569	82	1883754	44.615	ng	99
26) 2-Nitrophenol	9.745	139	421154	50.080	ng	99
27) 2,4-Dimethylphenol	9.810	122	727014	57.029	ng	99
28) bis(2-Chloroethoxy)met...	10.045	93	1187038	44.757	ng	99
29) 2,4-Dichlorophenol	10.280	162	755002	46.616	ng	98
30) 1,2,4-Trichlorobenzene	10.498	180	756092	40.754	ng	97
31) Naphthalene	10.686	128	2788005	42.949	ng	99
32) Benzoic acid	9.928	122	523714	42.558	ng	99
33) 4-Chloroaniline	10.786	127	664735	28.322	ng	99
34) Hexachlorobutadiene	10.980	225	421556	41.024	ng	99
35) Caprolactam	11.563	113	233945m	43.854	ng	
36) 4-Chloro-3-methylphenol	11.910	107	833110	44.885	ng	97
37) 2-Methylnaphthalene	12.298	142	1830535	42.369	ng	99
38) 1-Methylnaphthalene	12.516	142	1686622	39.283	ng	99
40) 1,2,4,5-Tetrachloroben...	12.669	216	778787	46.783	ng	# 97
41) Hexachlorocyclopentadiene	12.657	237	931901	171.243	ng	99
43) 2,4,6-Trichlorophenol	12.904	196	513517	49.239	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047568.D
 Acq On : 19 Sep 2024 13:15
 Operator : RC/JU
 Sample : PB163318BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Manual Integrations**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	561526	47.669	ng	99
46) 1,1'-Biphenyl	13.310	154	2181353	45.573	ng	100
47) 2-Chloronaphthalene	13.351	162	1655276	44.537	ng	99
48) 2-Nitroaniline	13.545	65	542727	49.716	ng	98
49) Acenaphthylene	14.192	152	2642771	49.275	ng	99
50) Dimethylphthalate	13.927	163	1922665	45.854	ng	99
51) 2,6-Dinitrotoluene	14.039	165	391098	44.184	ng	92
52) Acenaphthene	14.539	154	1916152m	50.990	ng	
53) 3-Nitroaniline	14.363	138	363030	36.898	ng	97
54) 2,4-Dinitrophenol	14.568	184	418269	82.737	ng	98
55) Dibenzofuran	14.868	168	2348412	44.471	ng	97
56) 4-Nitrophenol	14.674	139	855296	105.644	ng	96
57) 2,4-Dinitrotoluene	14.821	165	541739	45.889	ng	94
58) Fluorene	15.515	166	2064805	43.429	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	426009	46.385	ng	95
60) Diethylphthalate	15.292	149	2017759	45.216	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	910211	41.870	ng	97
62) 4-Nitroaniline	15.527	138	505374	43.698	ng	97
63) Azobenzene	15.804	77	2344863	47.721	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	240735	44.884	ng	96
66) n-Nitrosodiphenylamine	15.721	169	1575610	48.315	ng	99
67) 4-Bromophenyl-phenylether	16.404	248	455967	44.020	ng	97
68) Hexachlorobenzene	16.521	284	523759	44.635	ng	98
69) Atrazine	16.674	200	463991	51.477	ng	99
70) Pentachlorophenol	16.857	266	709776	104.346	ng	100
71) Phenanthrene	17.251	178	2739821	46.637	ng	100
72) Anthracene	17.339	178	2777929	49.217	ng	100
73) Carbazole	17.604	167	2587365	46.256	ng	99
74) Di-n-butylphthalate	18.180	149	3345257	49.983	ng	100
75) Fluoranthene	19.256	202	2800166	43.686	ng	97
77) Benzidine	19.439	184	1057298	88.854	ng	99
78) Pyrene	19.621	202	3005093	48.761	ng	100
80) Butylbenzylphthalate	20.515	149	1341786	56.558	ng	96
81) Benzo(a)anthracene	21.415	228	2677135	48.613	ng	99
82) 3,3'-Dichlorobenzidine	21.333	252	737815	50.365	ng	98
83) Chrysene	21.474	228	2522781	48.432	ng	99
84) Bis(2-ethylhexyl)phtha...	21.344	149	2065319	55.572	ng	# 98
85) Di-n-octyl phthalate	22.491	149	3210329	61.068	ng	98
87) Indeno(1,2,3-cd)pyrene	27.879	276	3081058	63.665	ng	99
88) Benzo(b)fluoranthene	23.503	252	2436128	46.560	ng	98
89) Benzo(k)fluoranthene	23.562	252	2478620	47.799	ng	98
90) Benzo(a)pyrene	24.315	252	2289428	53.387	ng	99
91) Dibenzo(a,h)anthracene	27.944	278	2538011	62.334	ng	99
92) Benzo(g,h,i)perylene	28.944	276	2345773	58.978	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

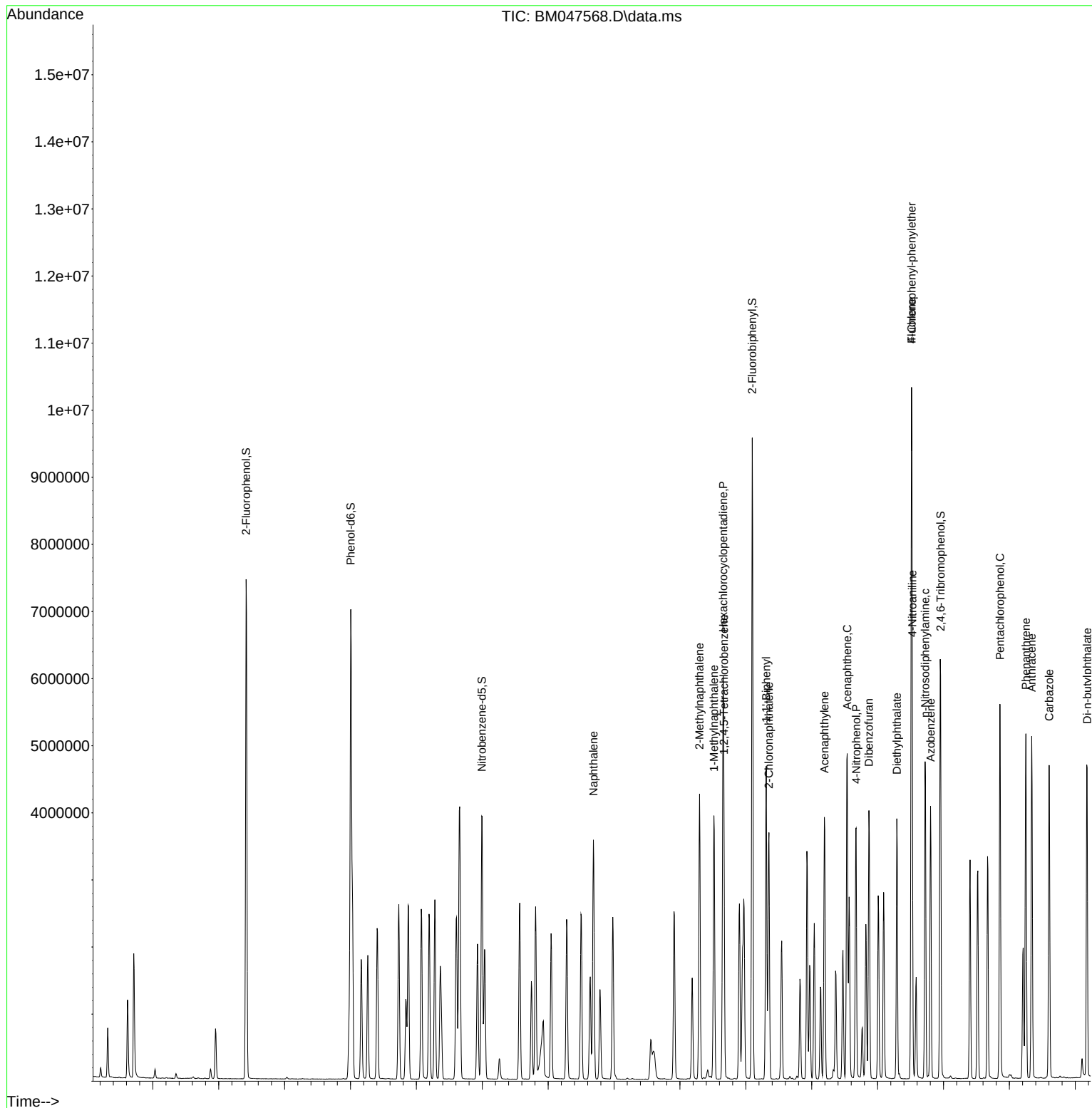
PB163318BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

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



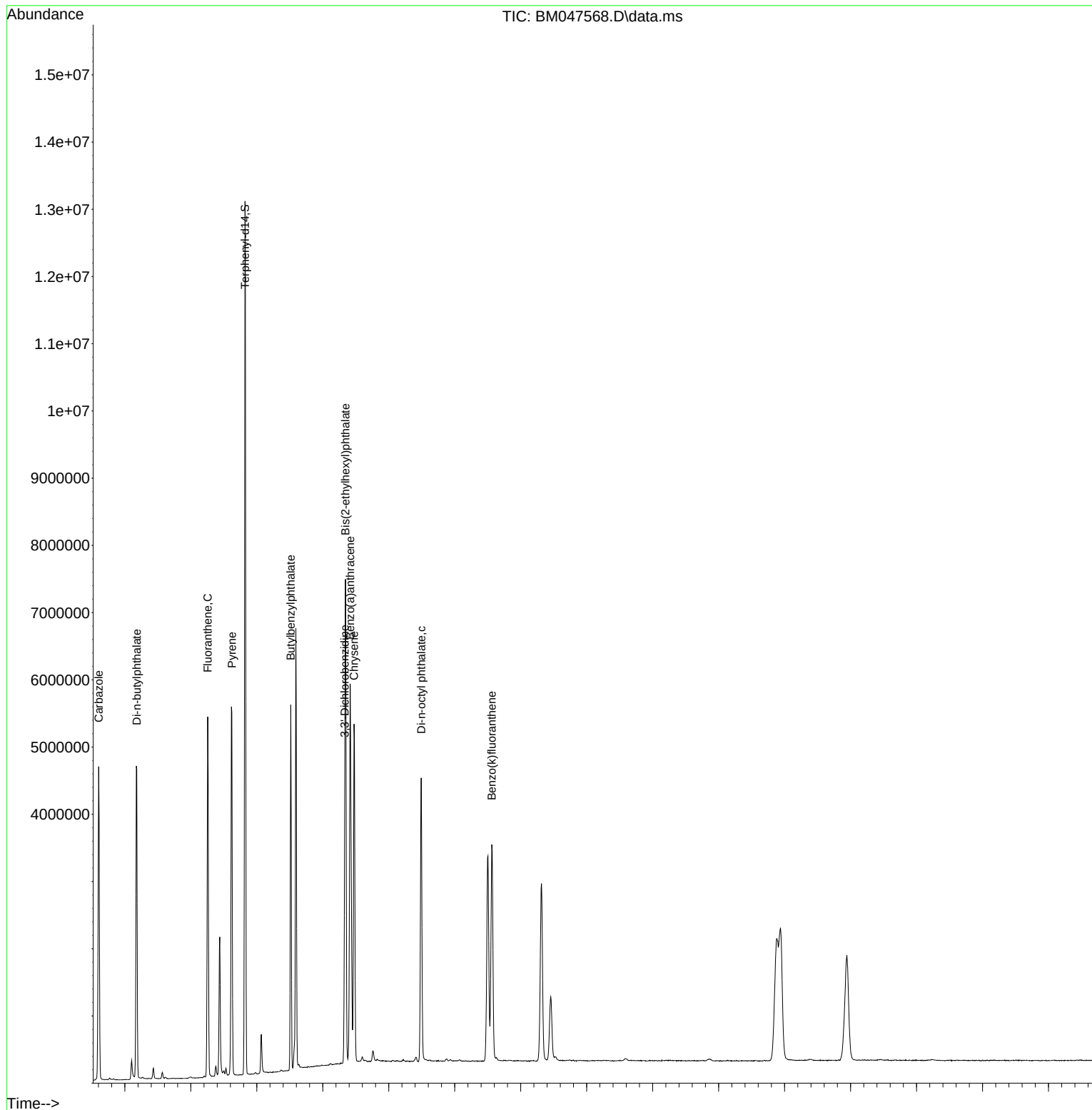
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Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

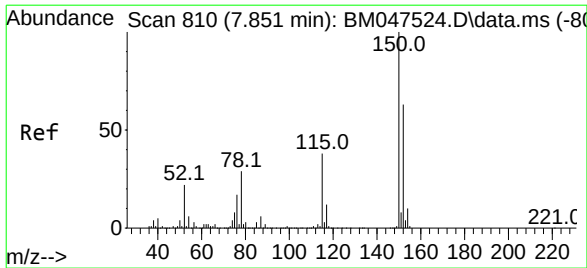
Instrument :
BNA_M
ClientSampleId :
PB163318BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

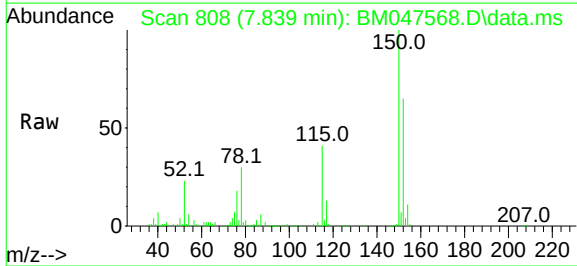
Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration





#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

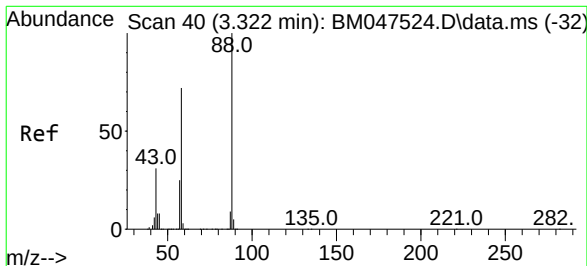
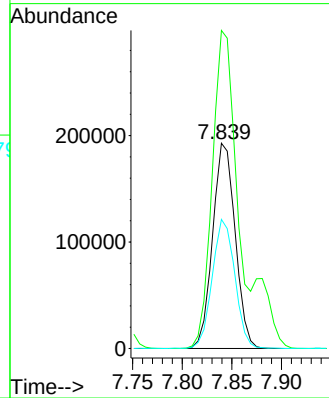
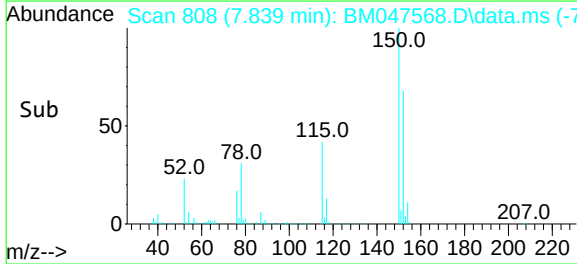
Instrument :
BNA_M
ClientSampleId :
PB163318BS



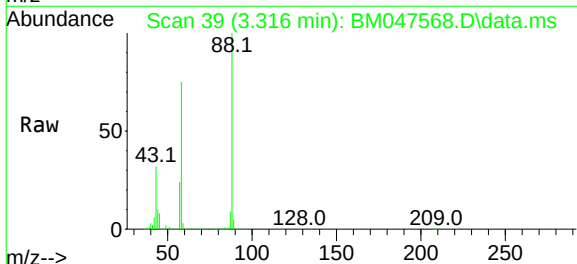
Tgt Ion: 152 Resp: 304822
Ion Ratio Lower Upper
152 100
150 155.0 126.8 190.2
115 62.9 47.8 71.8

Manual Integrations
APPROVED

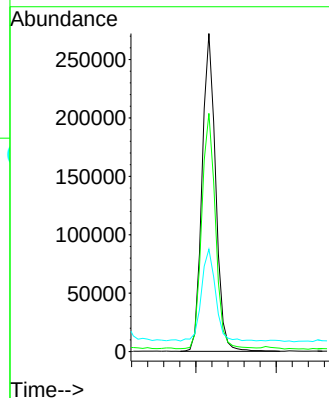
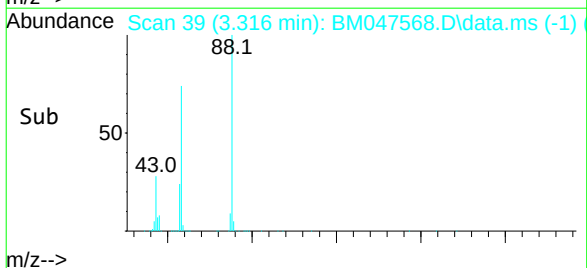
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

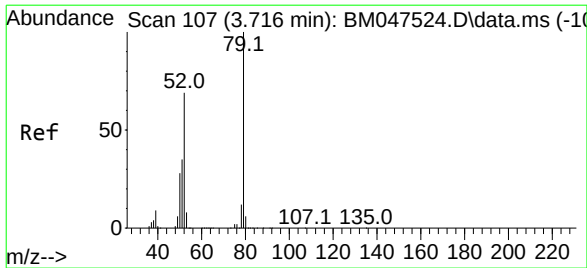


#2
1,4-Dioxane
Concen: 38.913 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15



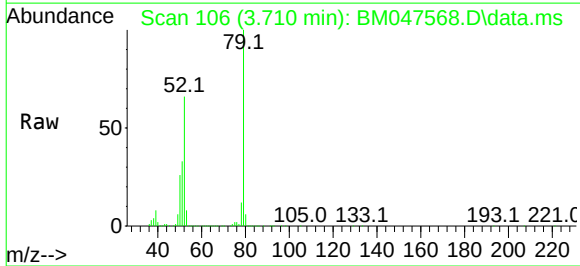
Tgt Ion: 88 Resp: 319087
Ion Ratio Lower Upper
88 100
58 74.7 59.0 88.6
43 30.0 25.0 37.4





#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

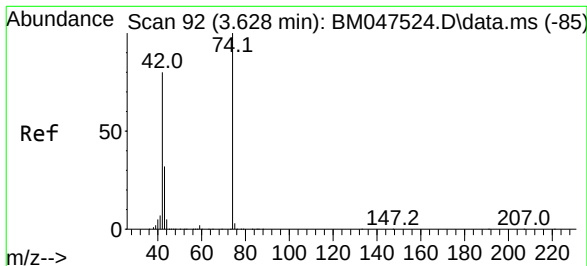
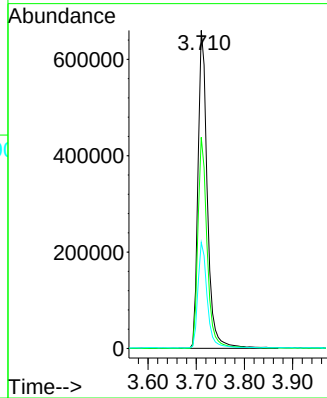
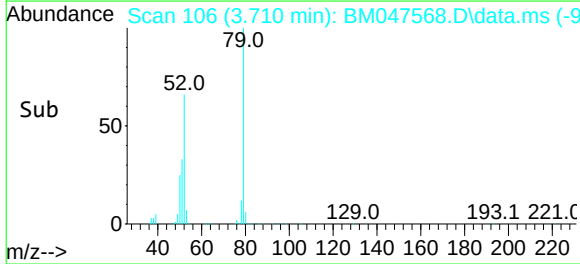
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

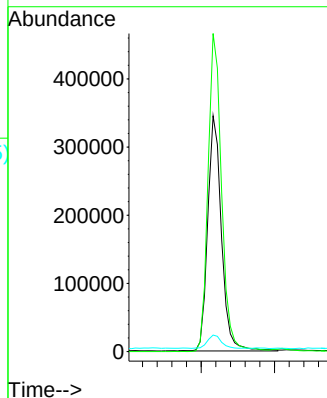
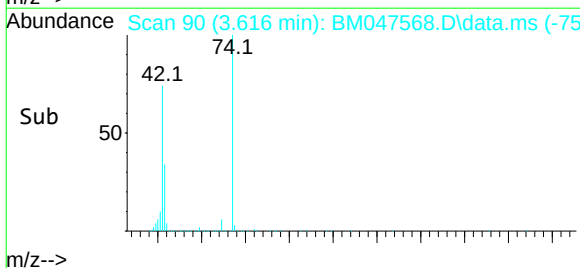
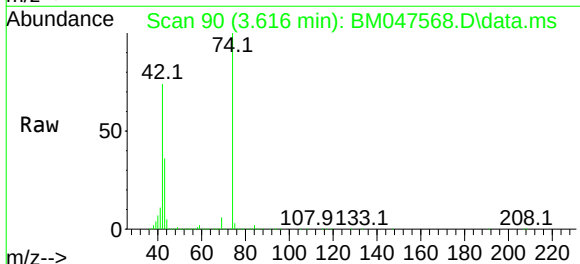
Manual Integrations
APPROVED

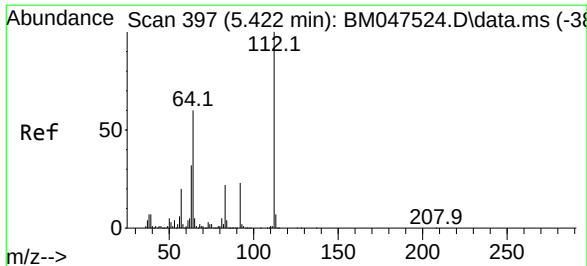
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

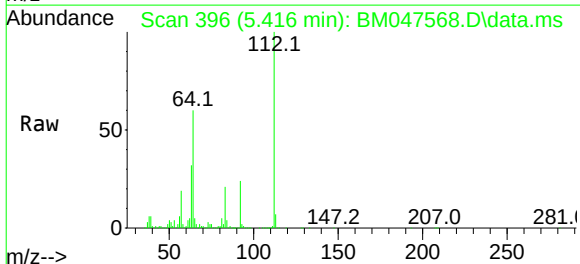
Tgt Ion: 42 Resp: 449033
Ion Ratio Lower Upper
42 100
74 134.9 100.5 150.7
44 7.0 6.9 10.3





#5
2-Fluorophenol
Concen: 155.538 ng
RT: 5.416 min Scan# 397
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

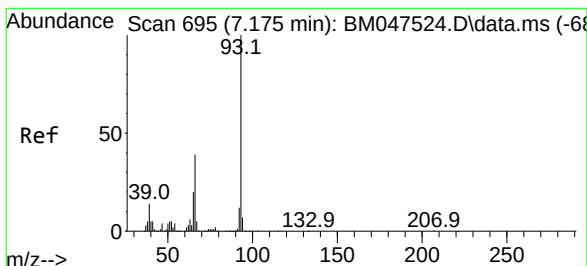
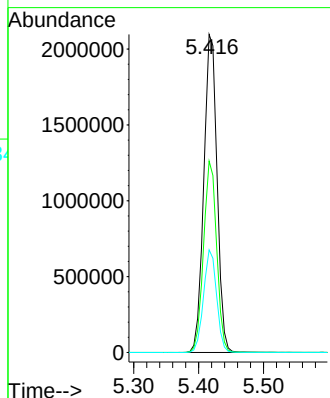
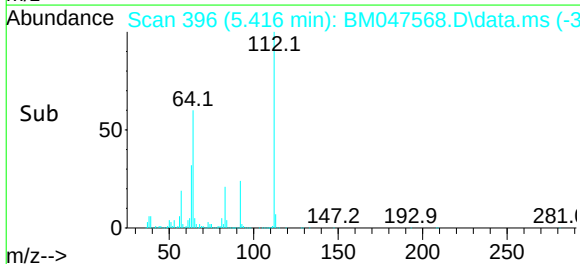
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

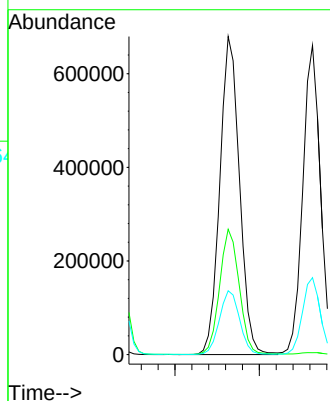
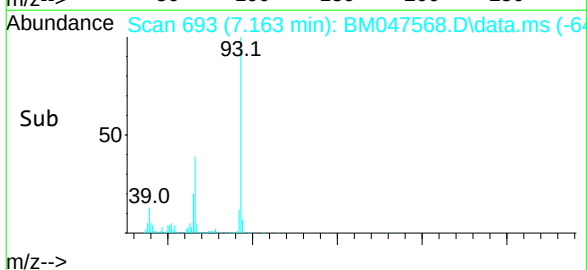
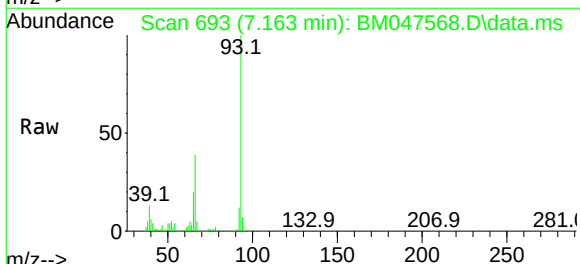
Manual Integrations
APPROVED

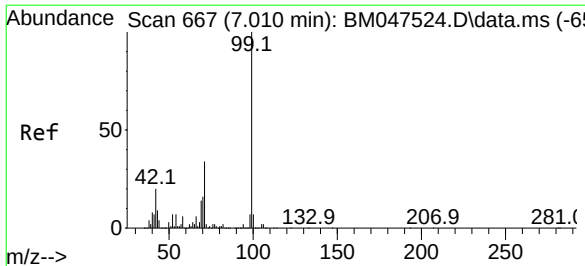
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

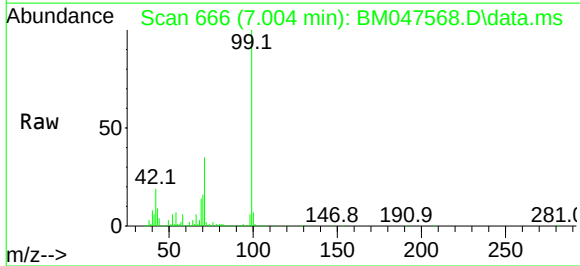
Tgt Ion: 93 Resp: 1104091
Ion Ratio Lower Upper
93 100
66 39.4 31.4 47.0
65 20.1 16.3 24.5





#7
Phenol-d6
Concen: 140.148 ng
RT: 7.004 min Scan# 667
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

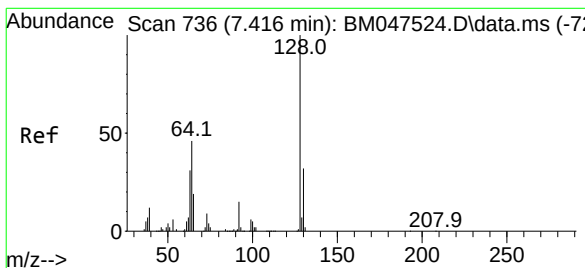
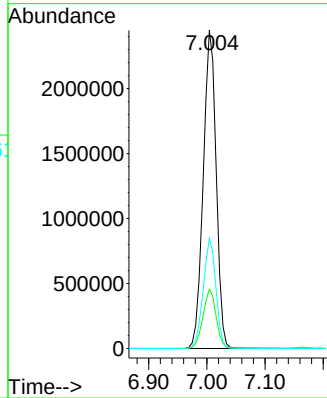
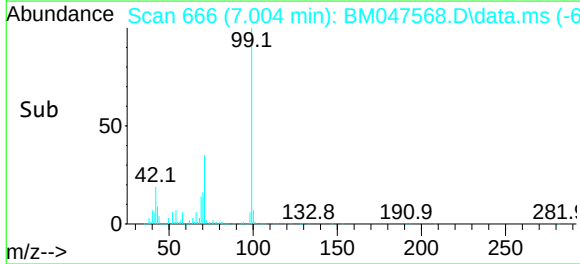
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

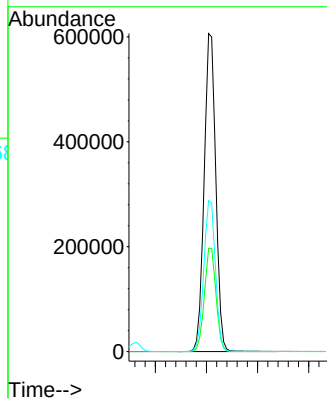
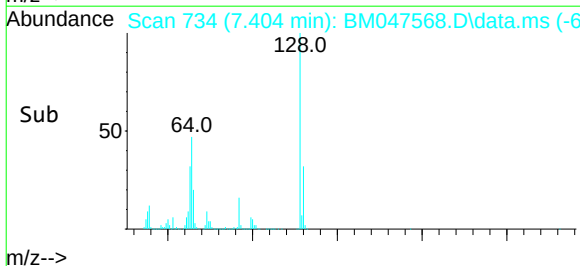
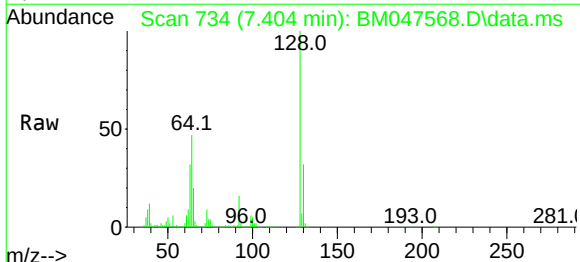
Manual Integrations
APPROVED

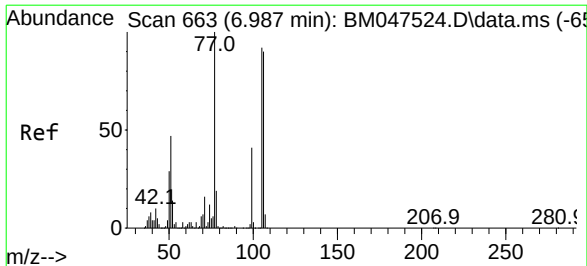
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 661

Delta R.T. -0.012 min

Lab File: BM047568.D

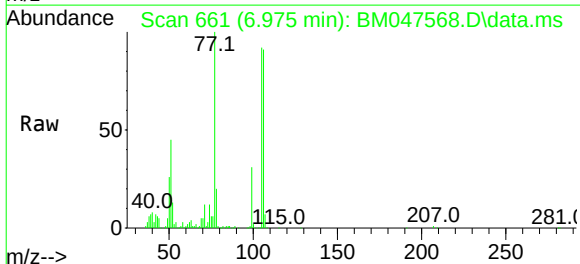
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion: 77 Resp: 225755

Ion Ratio Lower Upper

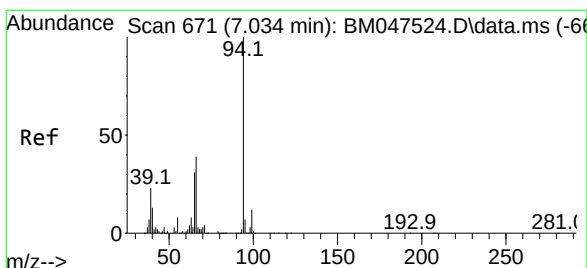
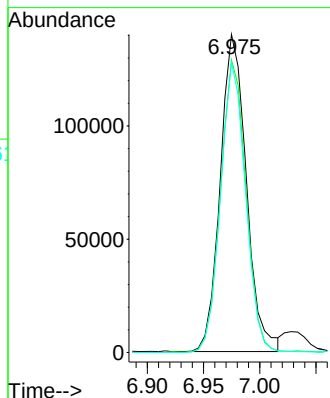
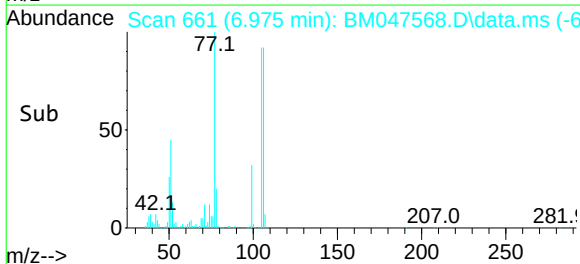
77 100

105 91.9 71.8 111.8

106 91.3 69.7 109.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

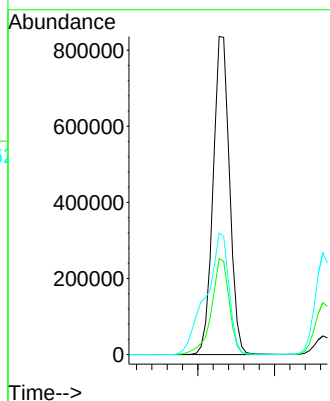
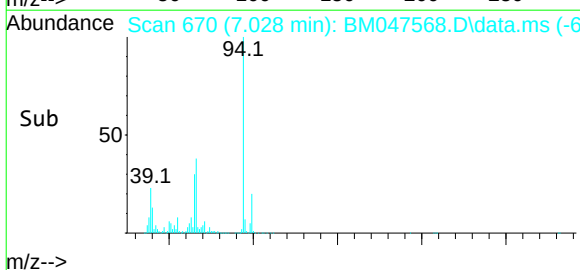
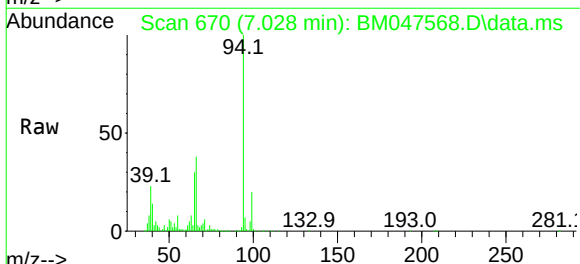
Tgt Ion: 94 Resp: 1246324

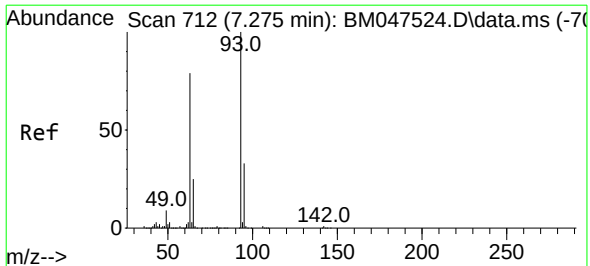
Ion Ratio Lower Upper

94 100

65 30.2 10.8 50.8

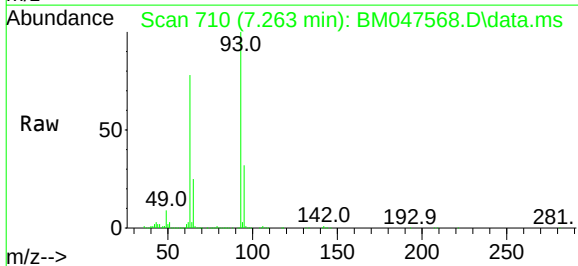
66 38.2 19.2 59.2





#11
bis(2-Chloroethyl)ether
Concen: 44.181 ng
RT: 7.263 min Scan# 711
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

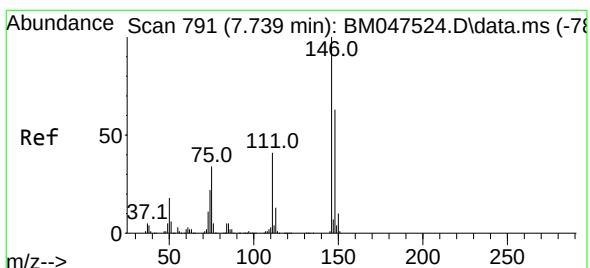
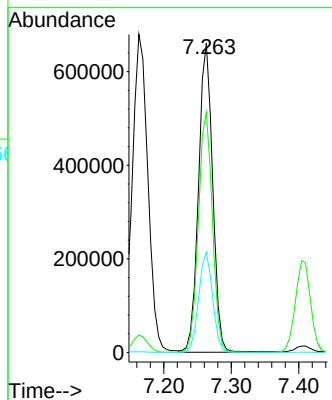
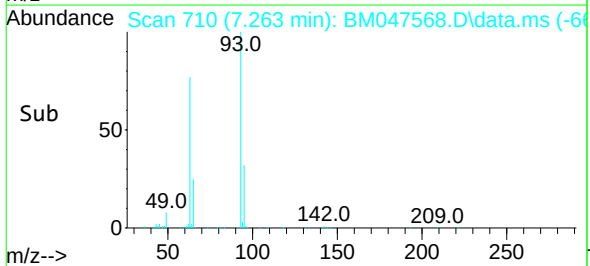
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

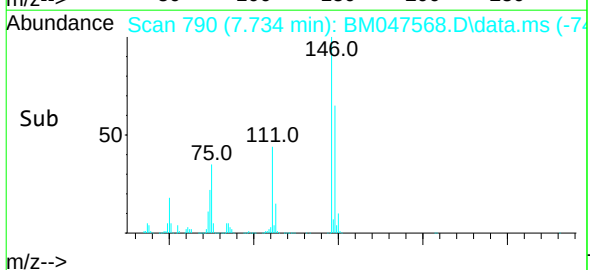
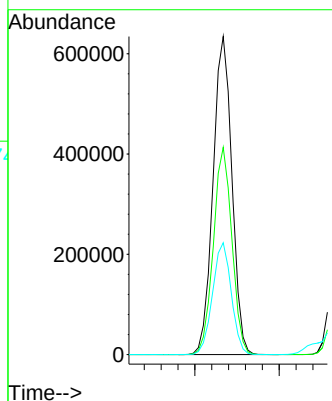
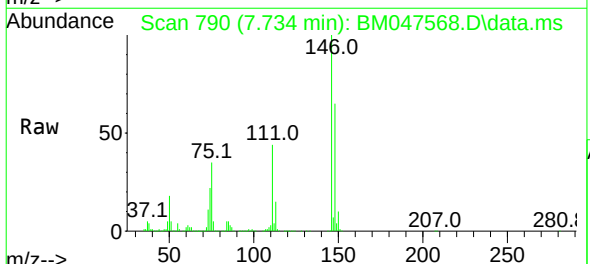
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

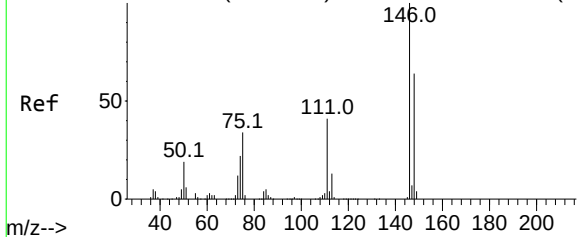


#12
1,3-Dichlorobenzene
Concen: 42.689 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

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



Abundance Scan 816 (7.886 min): BM047524.D\data.ms (-80)



#13

1,4-Dichlorobenzene

Concen: 42.877 ng

RT: 7.881 min Scan# 816

Delta R.T. -0.006 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:146 Resp: 1008844

Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

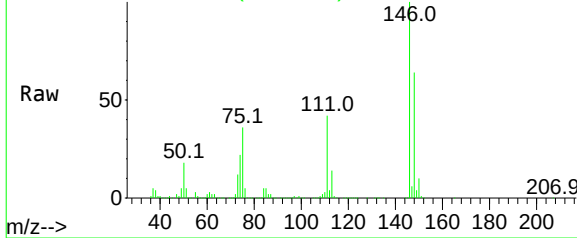
111 42.2 32.9 49.3

Manual Integrations

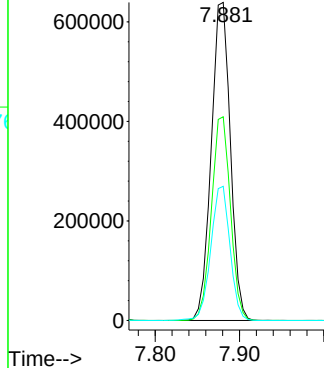
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

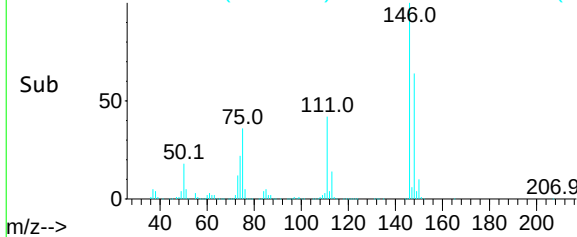
Abundance Scan 815 (7.881 min): BM047568.D\data.ms



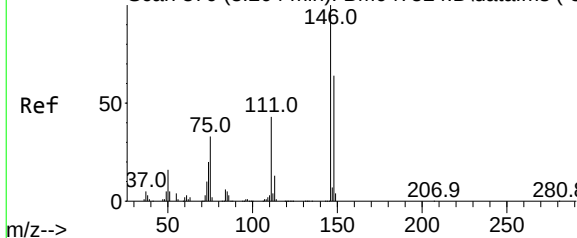
Abundance



Abundance Scan 815 (7.881 min): BM047568.D\data.ms (-80)



Abundance Scan 870 (8.204 min): BM047524.D\data.ms (-80)



#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

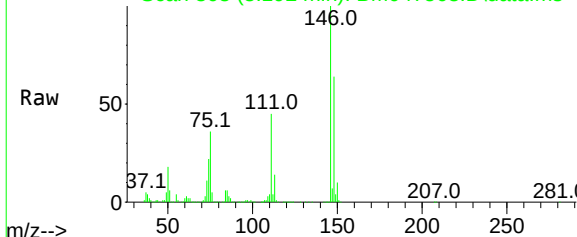
Ion Ratio Lower Upper

146 100

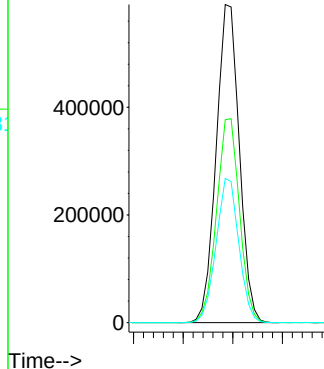
148 63.8 51.1 76.7

111 45.3 34.7 52.1

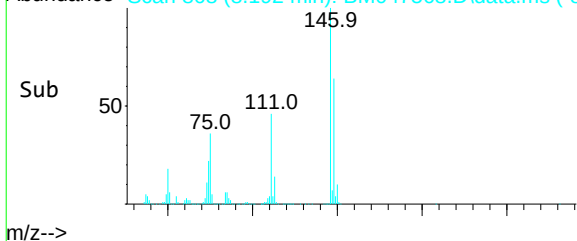
Abundance Scan 868 (8.192 min): BM047568.D\data.ms

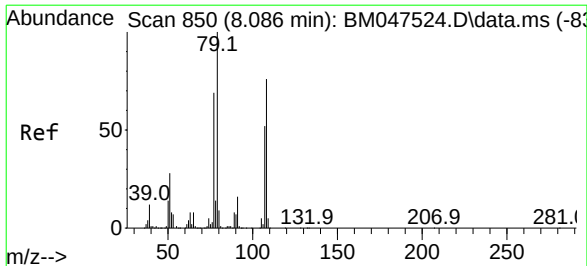


Abundance



Abundance Scan 868 (8.192 min): BM047568.D\data.ms (-80)





#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

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion: 79 Resp: 832704

Ion Ratio Lower Upper

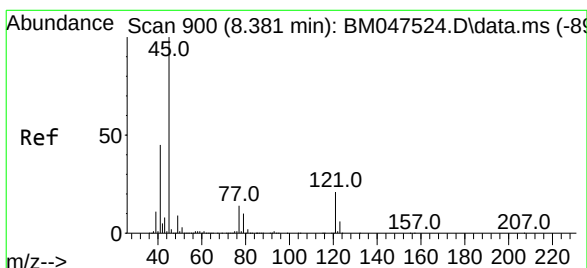
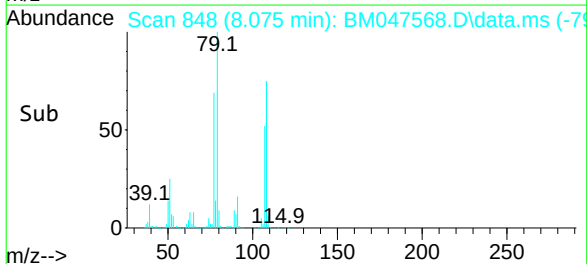
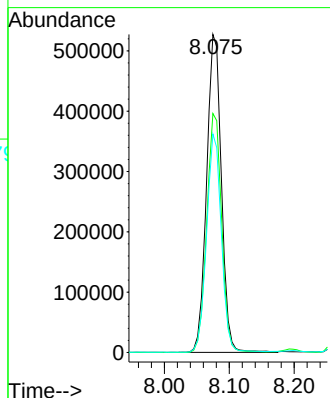
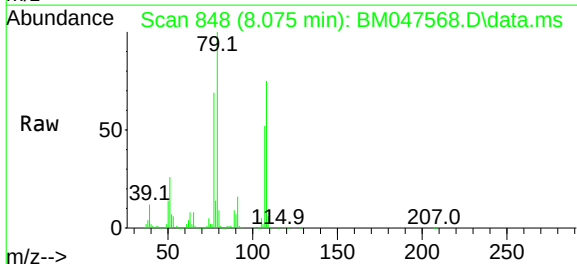
79 100

108 75.1 60.6 91.0

77 68.7 55.0 82.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

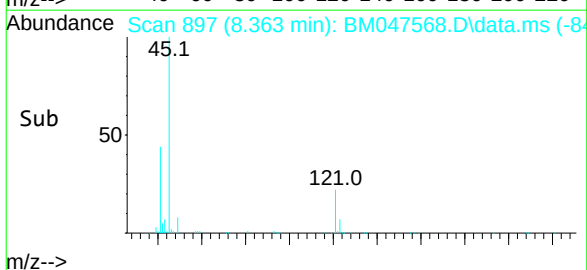
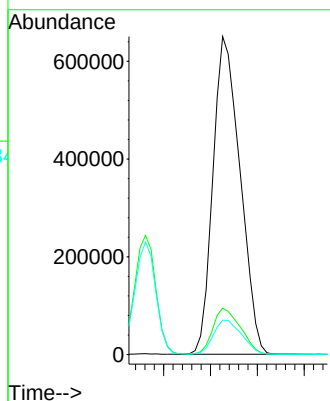
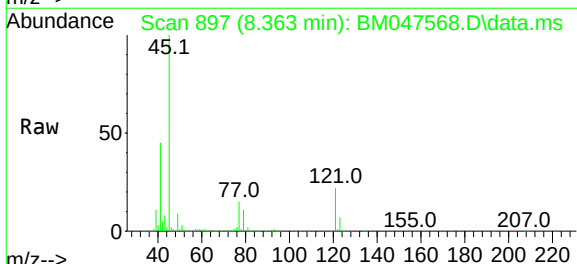
Tgt Ion: 45 Resp: 1308822

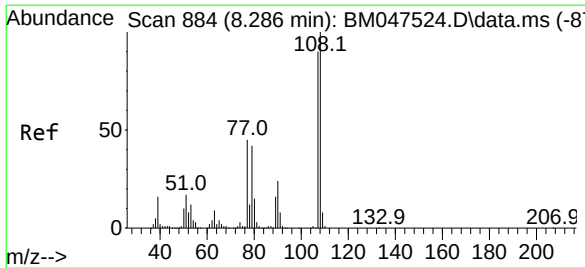
Ion Ratio Lower Upper

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# 884

Delta R.T. -0.006 min

Lab File: BM047568.D

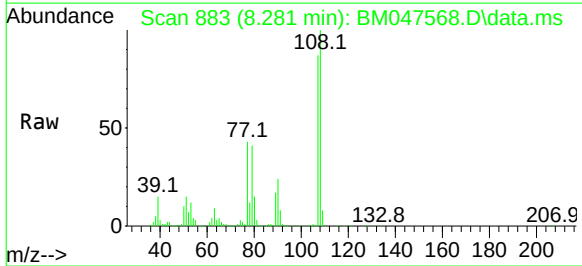
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion:107 Resp: 767865

Ion Ratio Lower Upper

107 100

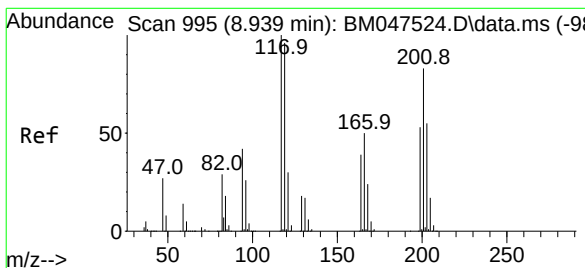
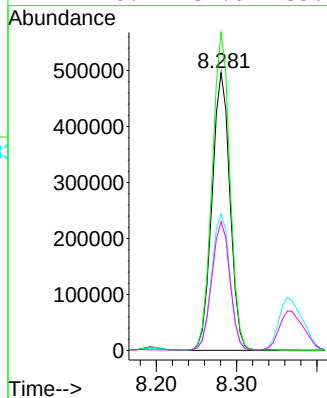
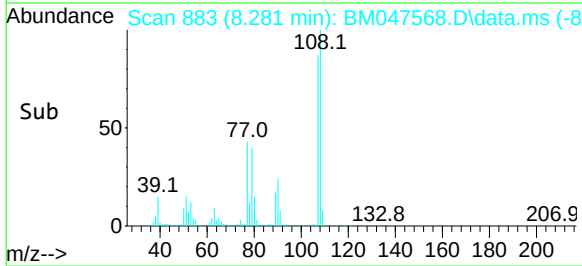
108 114.5 88.9 133.3

77 49.2 39.8 59.8

79 46.4 37.0 55.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#18

Hexachloroethane

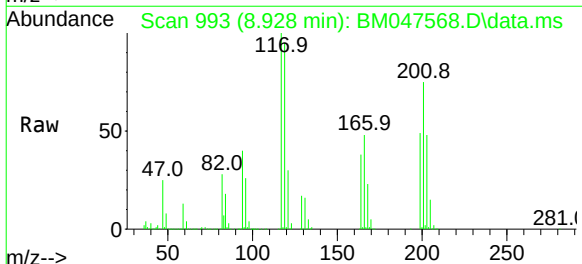
Concen: 43.978 ng

RT: 8.928 min Scan# 993

Delta R.T. -0.012 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15



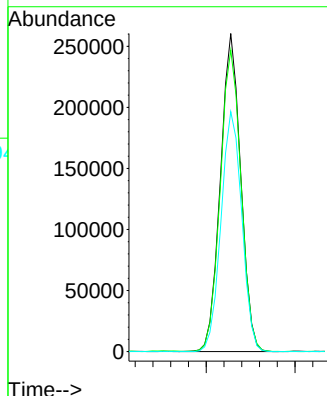
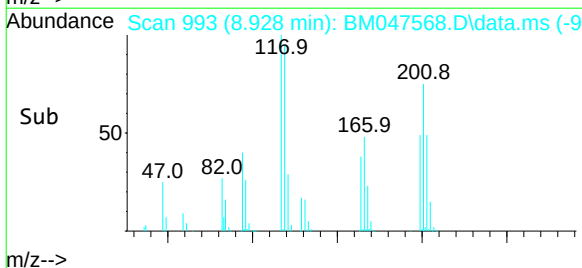
Tgt Ion:117 Resp: 413357

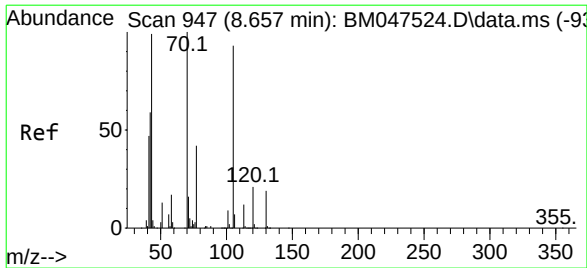
Ion Ratio Lower Upper

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

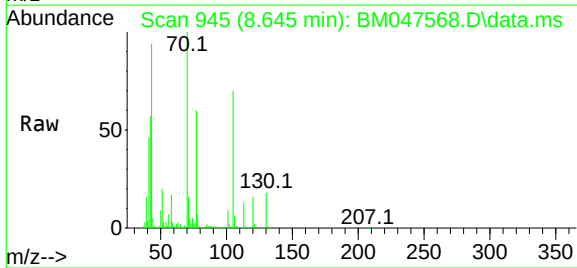
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion: 70 Resp: 750456

Ion Ratio Lower Upper

70 100

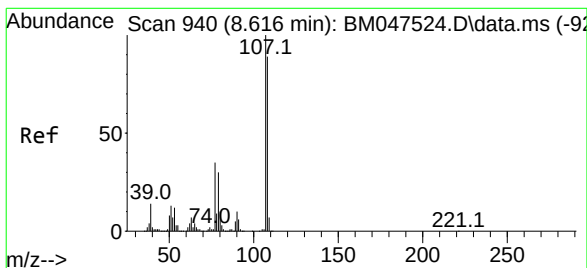
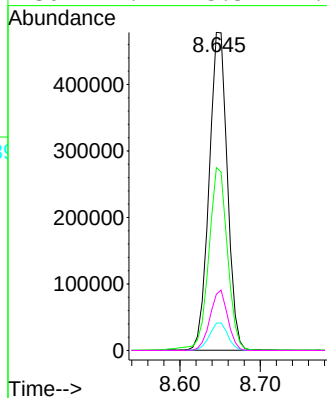
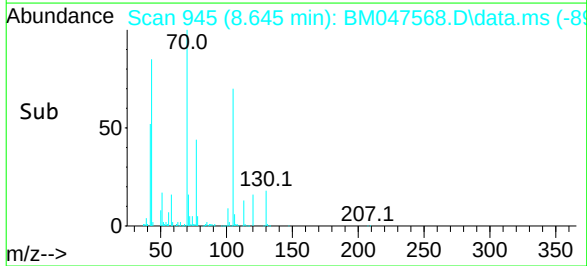
42 57.5 48.2 72.2

101 8.6 7.0 10.4

130 17.7 15.3 22.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#20

3+4-Methylphenols

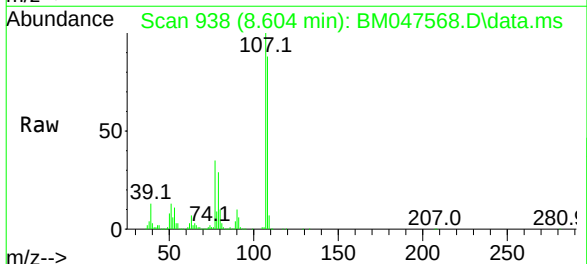
Concen: 43.710 ng

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

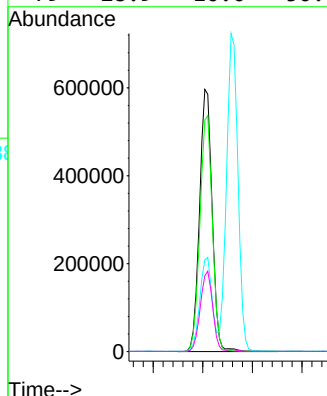
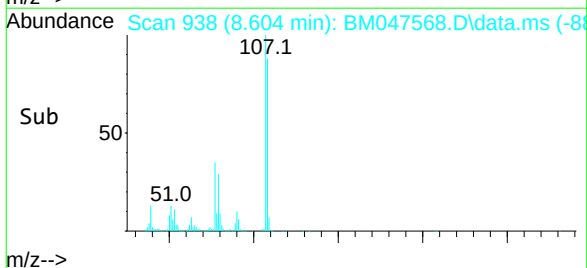
Ion Ratio Lower Upper

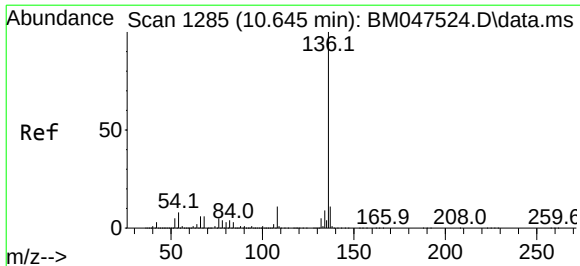
107 100

108 88.4 68.9 108.9

77 35.0 15.5 55.5

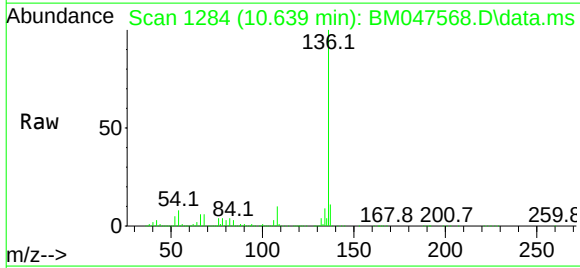
79 28.9 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

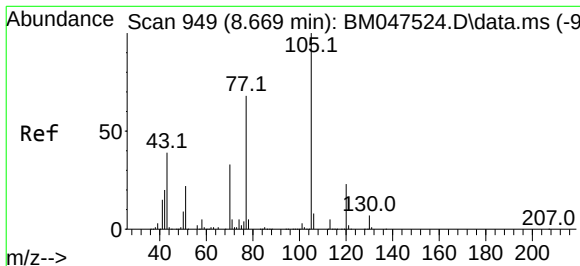
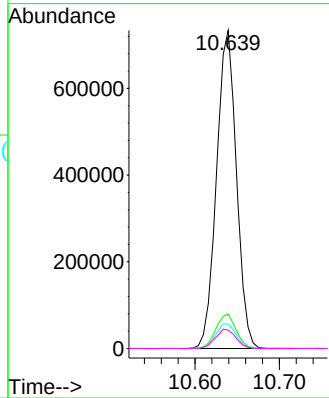
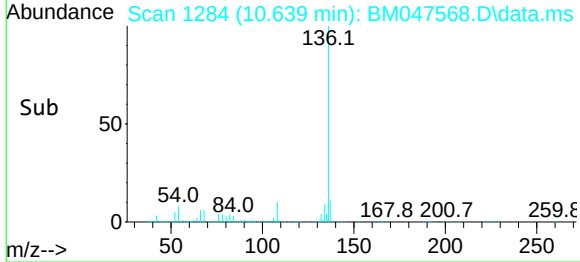
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

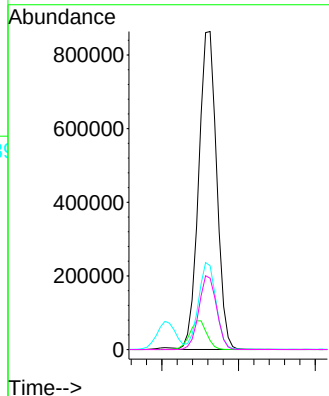
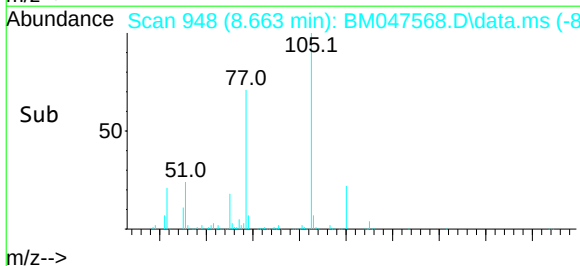
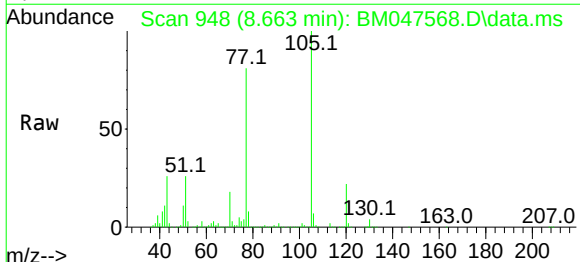
Manual Integrations
APPROVED

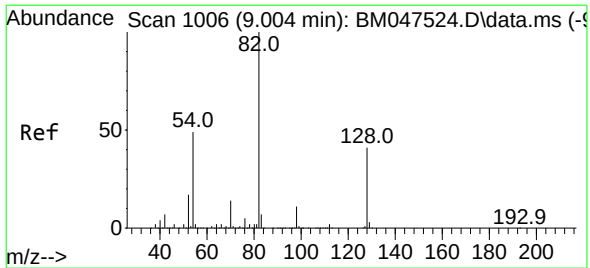
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion: 82 Resp: 2308971

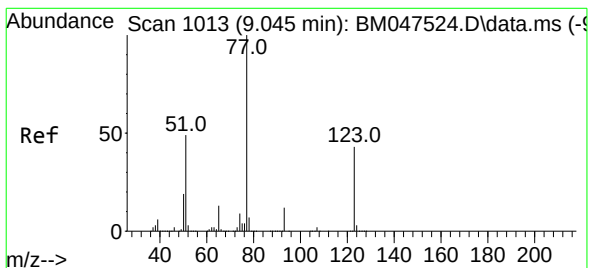
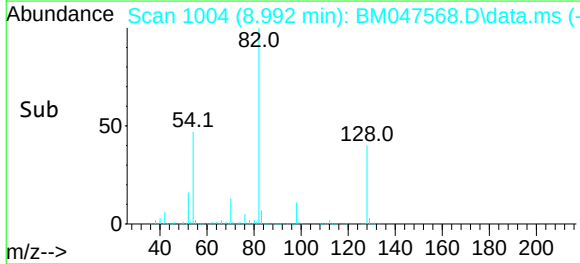
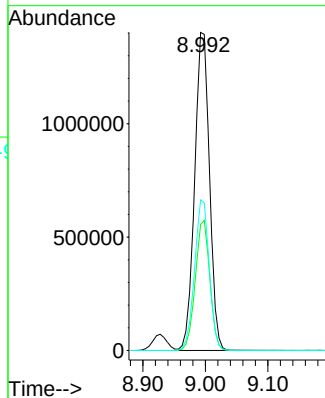
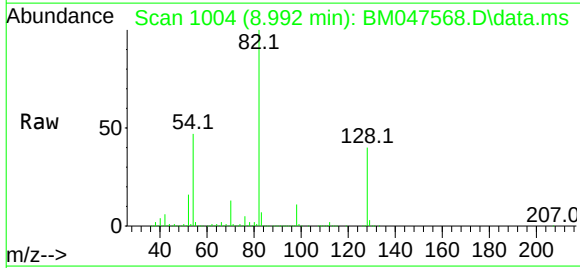
Ion	Ratio	Lower	Upper
82	100		
128	39.7	33.0	49.4
54	47.4	39.3	58.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#24

Nitrobenzene

Concen: 44.079 ng

RT: 9.039 min Scan# 1012

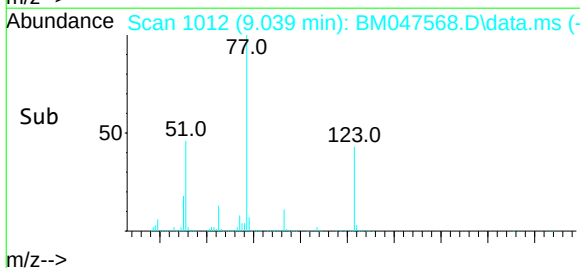
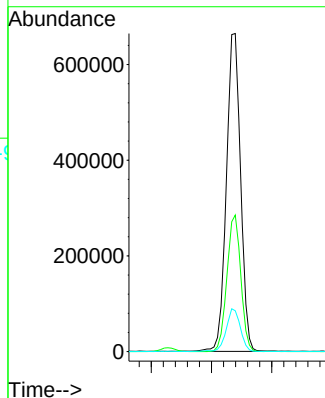
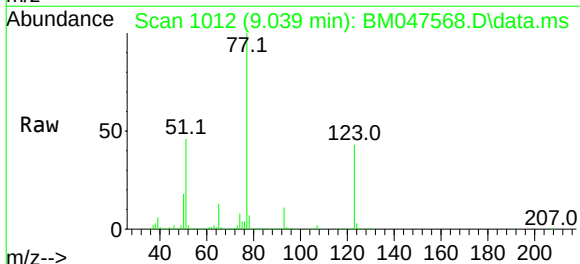
Delta R.T. -0.006 min

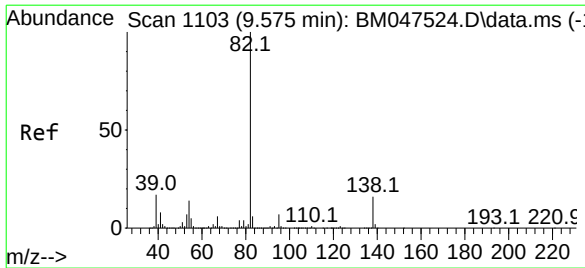
Lab File: BM047568.D

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# 1103

Delta R.T. -0.006 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS

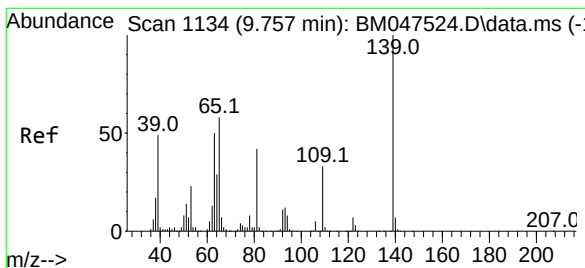
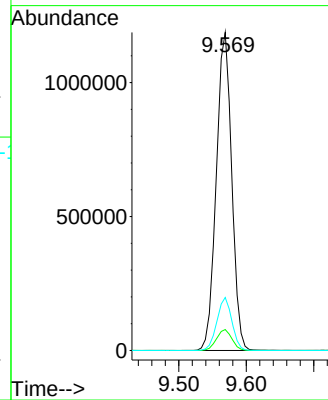
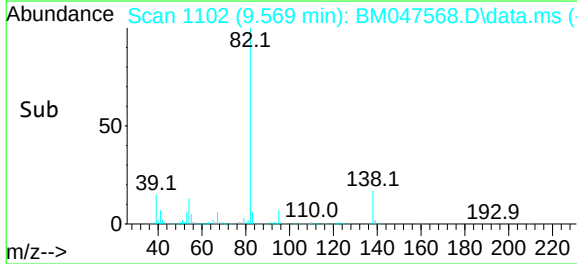
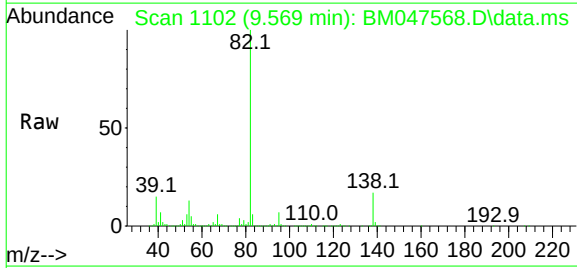
Tgt Ion: 82 Resp: 1883754

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.0
138	16.7	12.9	19.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#26

2-Nitrophenol

Concen: 50.080 ng

RT: 9.745 min Scan# 1132

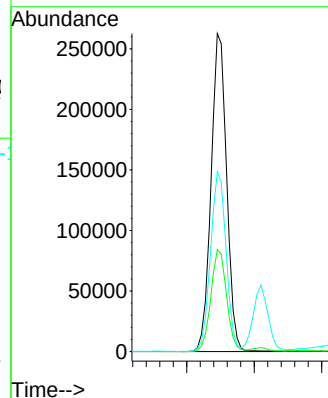
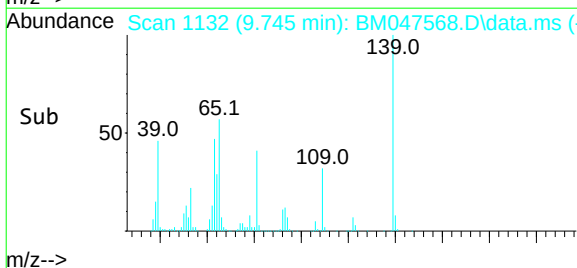
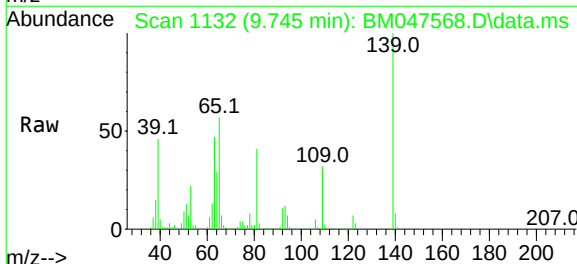
Delta R.T. -0.012 min

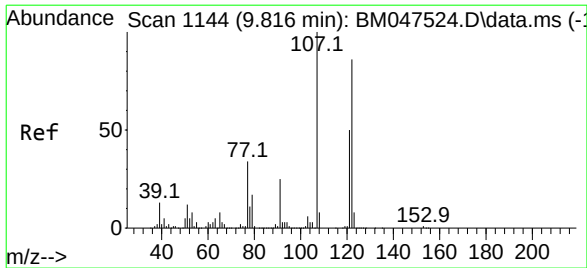
Lab File: BM047568.D

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# 1144

Delta R.T. -0.006 min

Lab File: BM047568.D

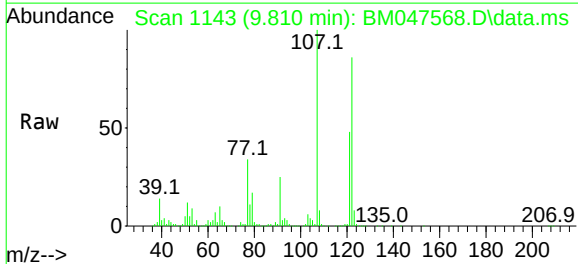
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion: 122 Resp: 727014

Ion Ratio Lower Upper

122 100

107 116.5 92.4 138.6

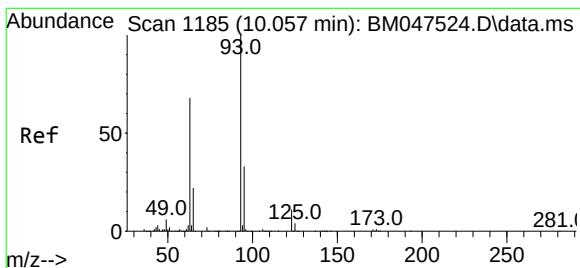
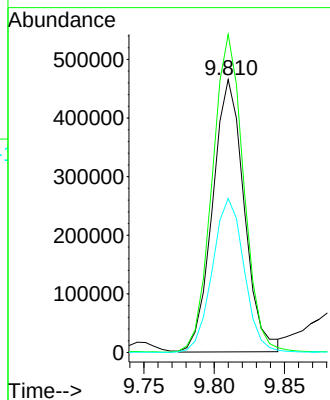
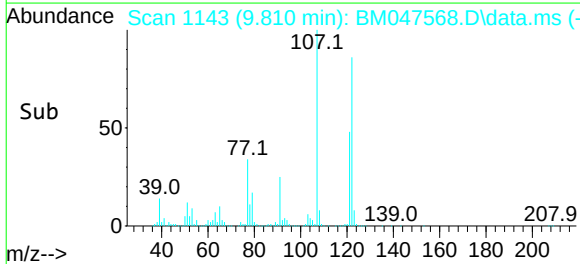
121 56.4 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

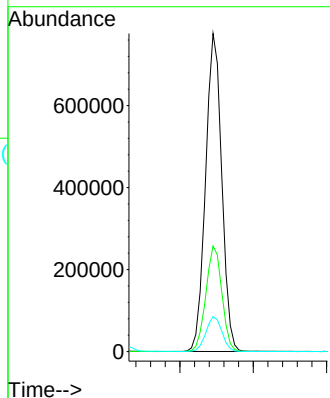
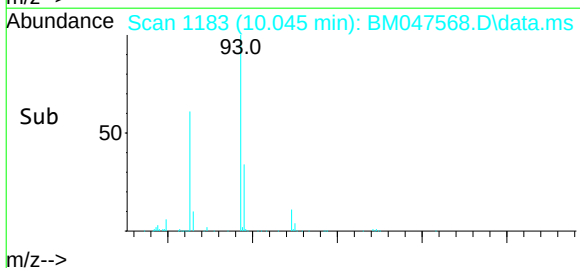
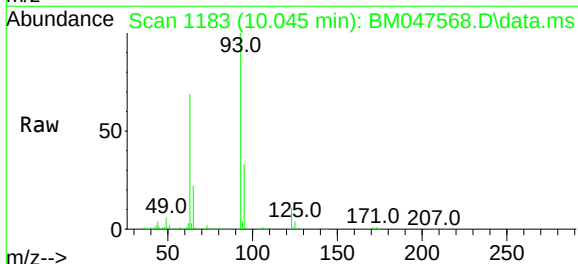
Tgt Ion: 93 Resp: 1187038

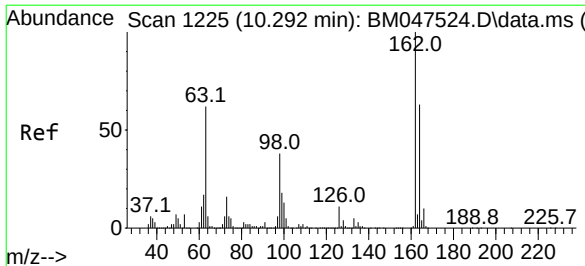
Ion Ratio Lower Upper

93 100

95 33.2 26.2 39.2

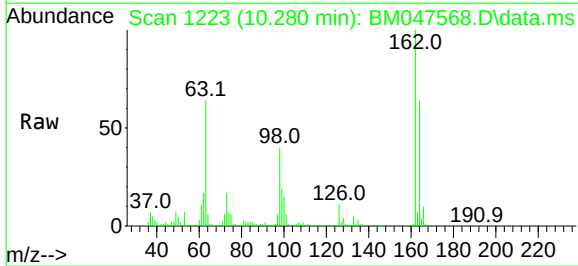
123 11.0 9.2 13.8





#29
2,4-Dichlorophenol
Concen: 46.616 ng
RT: 10.280 min Scan# 1225
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

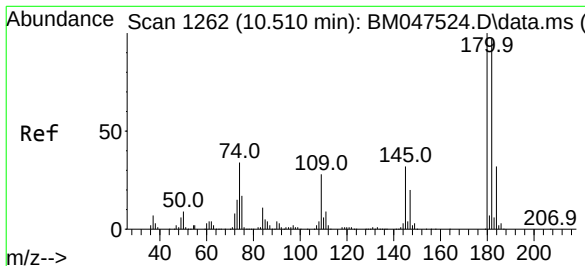
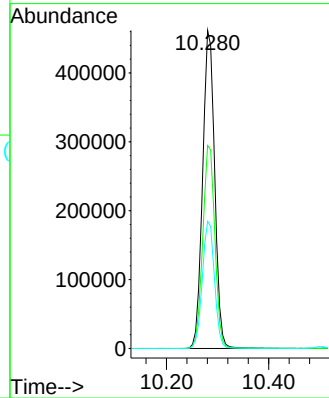
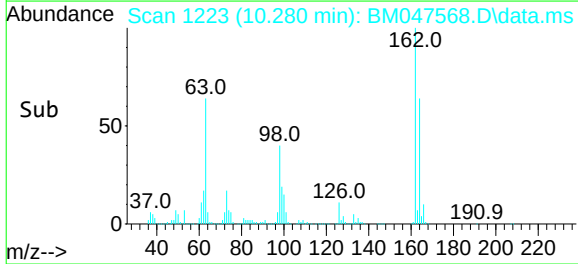
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

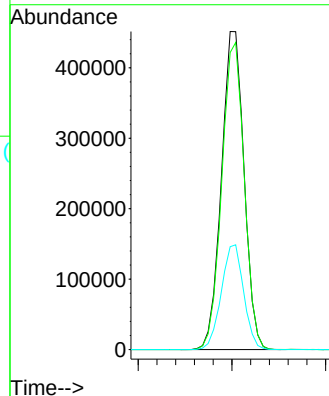
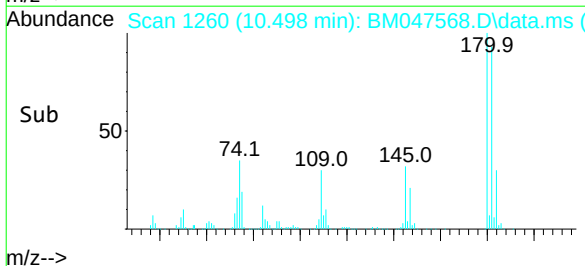
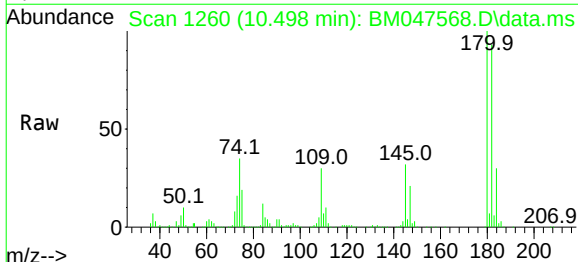
Manual Integrations
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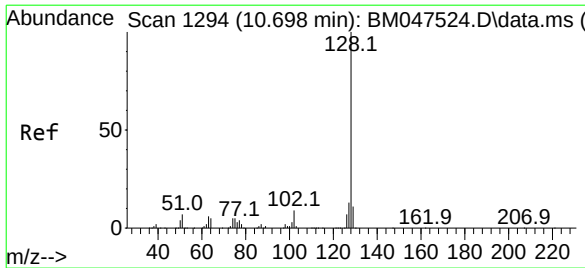
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

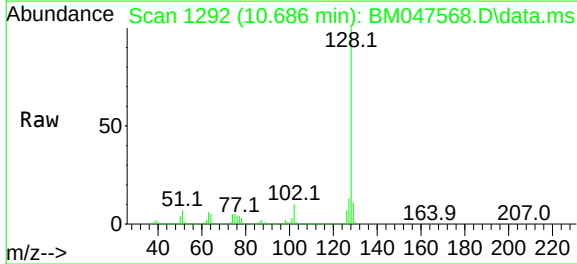
Tgt Ion:180 Resp: 756092
Ion Ratio Lower Upper
180 100
182 93.4 77.6 116.4
145 32.3 25.4 38.0





#31
Naphthalene
Concen: 42.949 ng
RT: 10.686 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

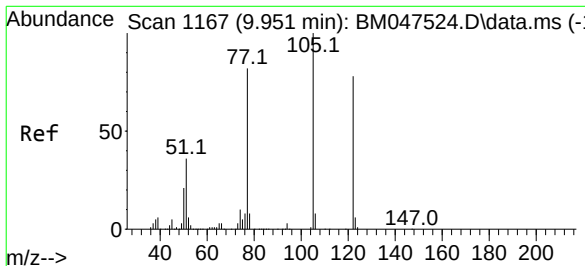
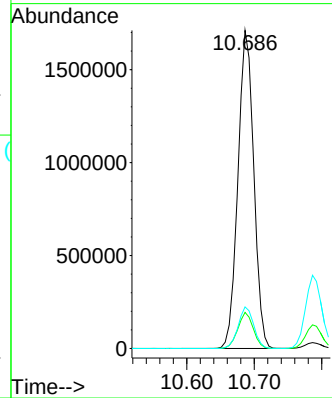
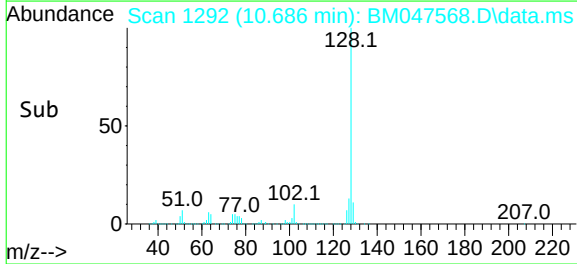
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

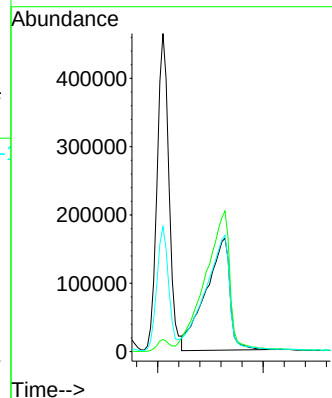
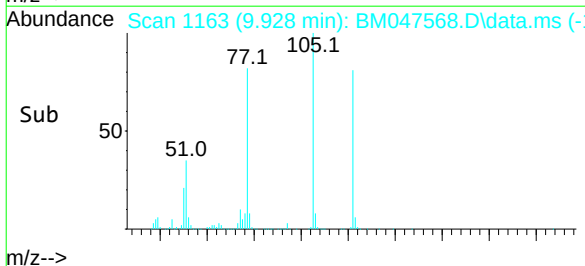
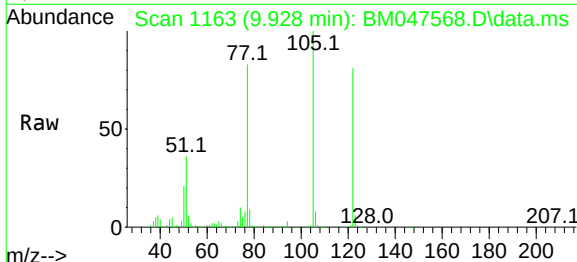
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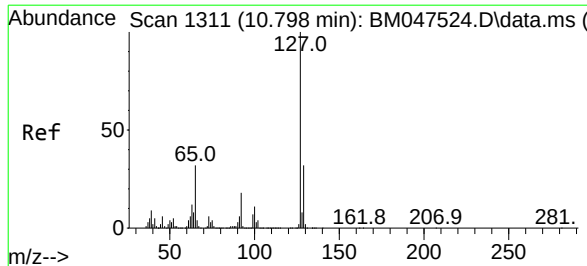
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 1311

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

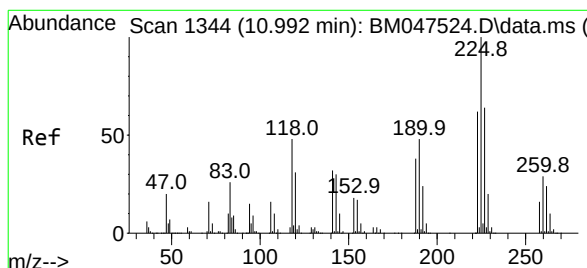
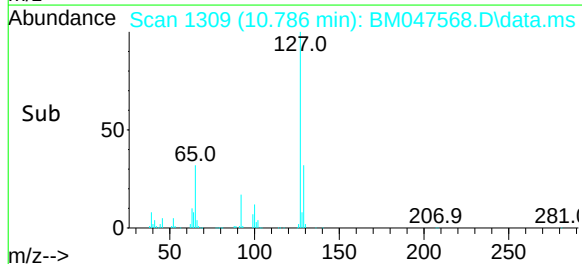
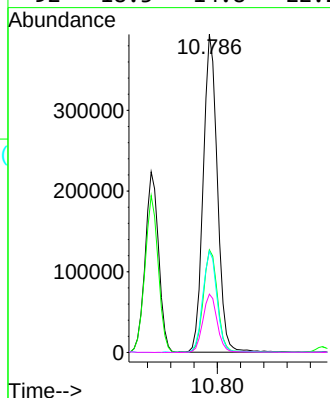
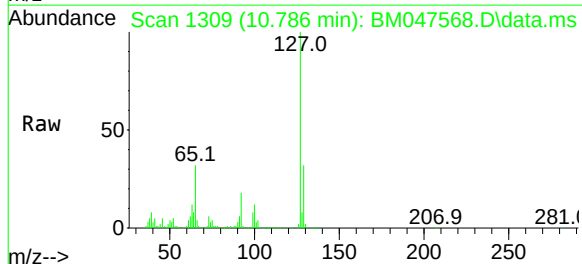
129 32.3 25.4 38.0

65 31.9 25.5 38.3

92 18.3 14.8 22.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

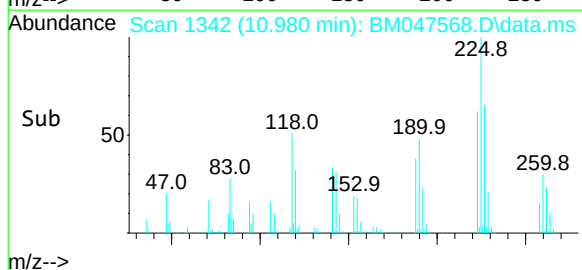
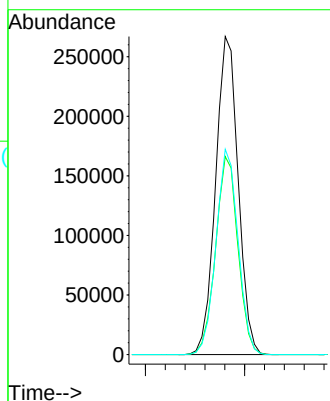
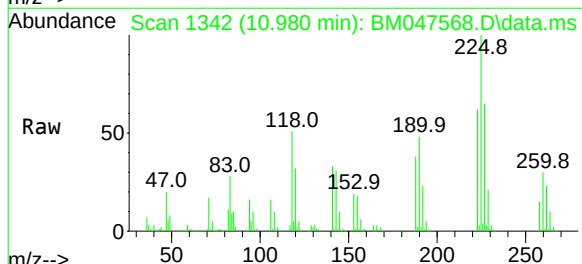
Tgt Ion:225 Resp: 421556

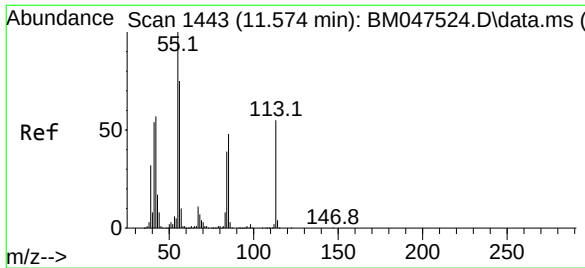
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:113 Resp: 233945

Ion Ratio Lower Upper

113 100

55 171.2 162.5 202.5

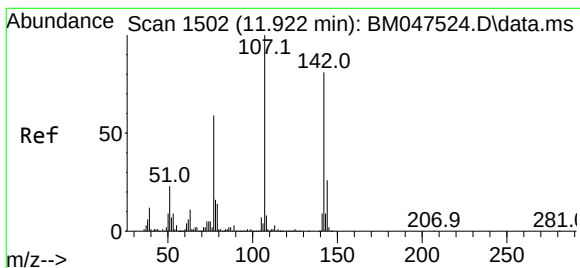
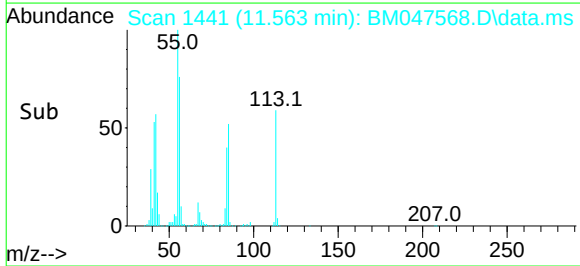
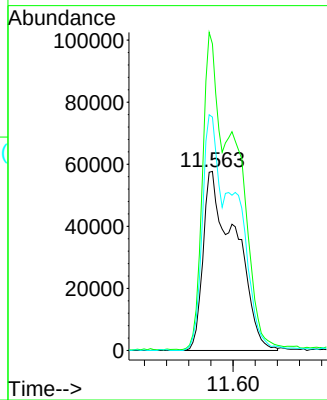
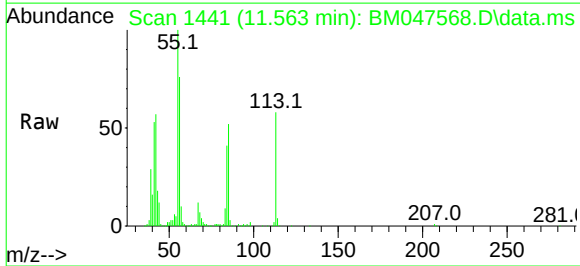
56 130.4 116.5 156.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

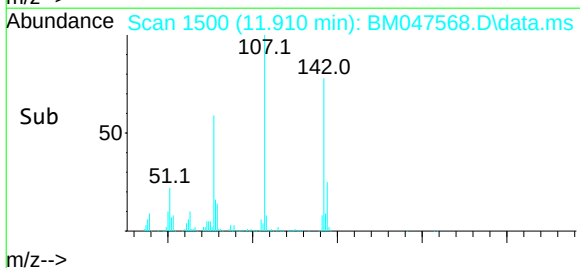
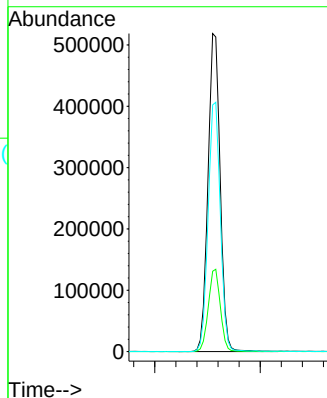
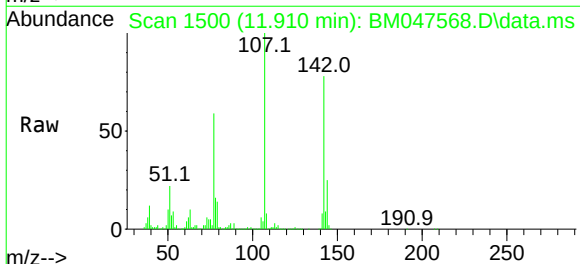
Tgt Ion:107 Resp: 833110

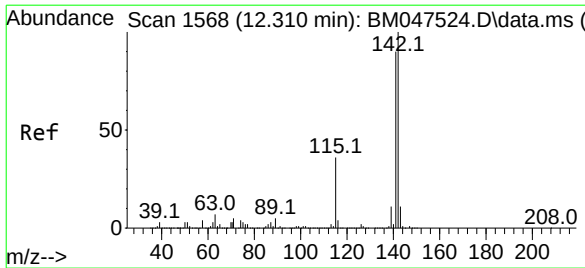
Ion Ratio Lower Upper

107 100

144 25.3 20.5 30.7

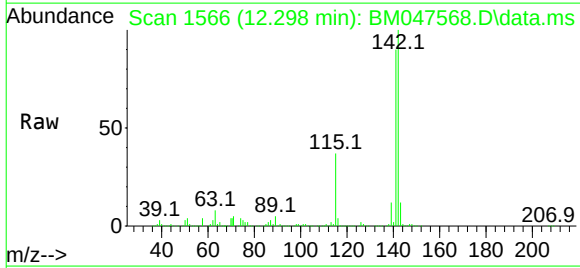
142 77.6 65.0 97.4





#37
2-Methylnaphthalene
Concen: 42.369 ng
RT: 12.298 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

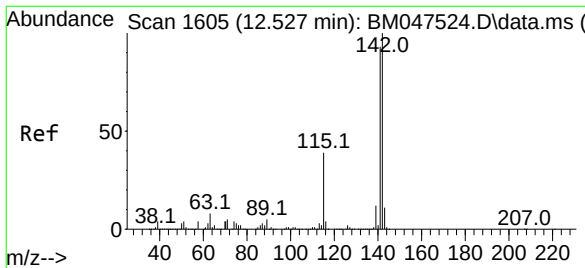
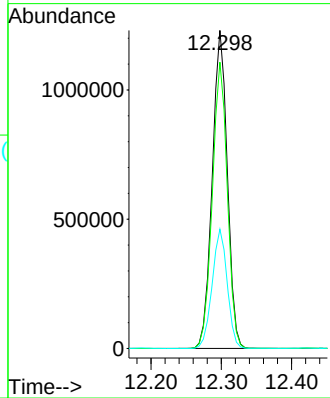
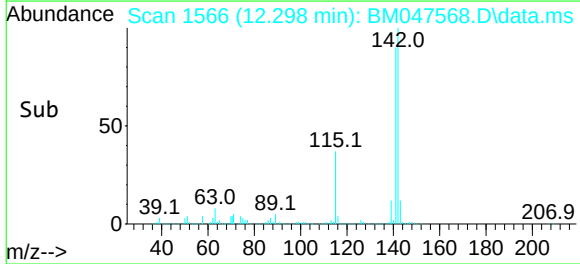
Instrument :
BNA_M
ClientSampleId :
PB163318BS



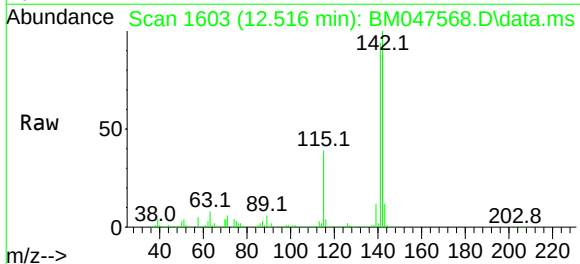
Tgt Ion:142 Resp: 1830535
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.4
115 37.5 29.1 43.7

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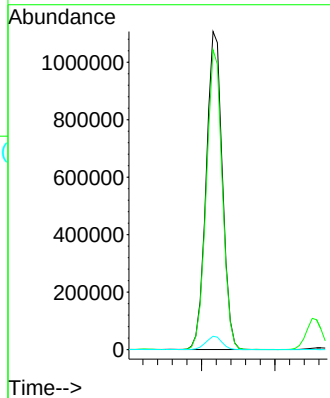
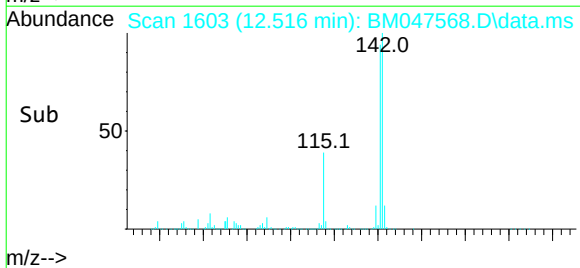
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

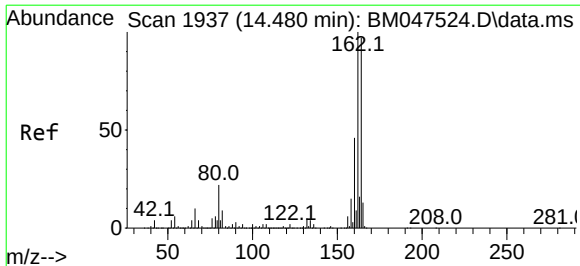


#38
1-Methylnaphthalene
Concen: 39.283 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15



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

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:164 Resp: 615193

Ion Ratio Lower Upper

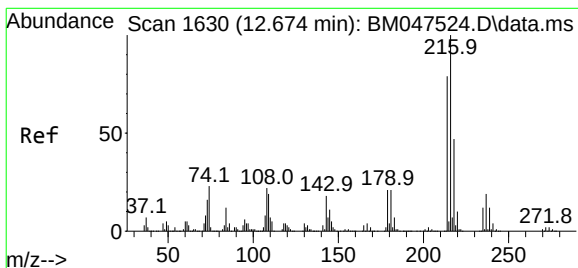
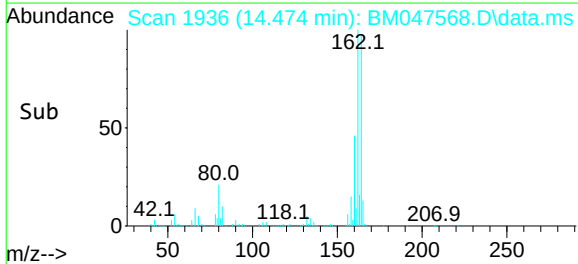
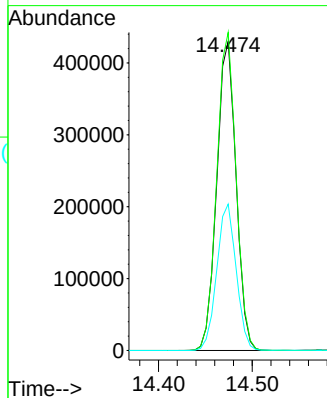
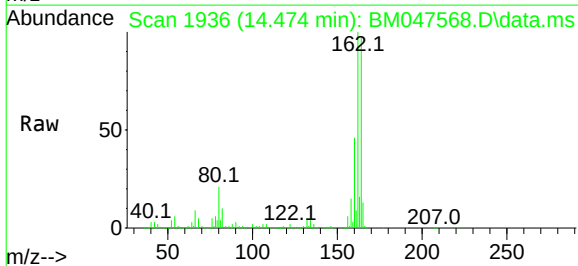
164 100

162 102.9 82.2 123.2

160 47.4 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

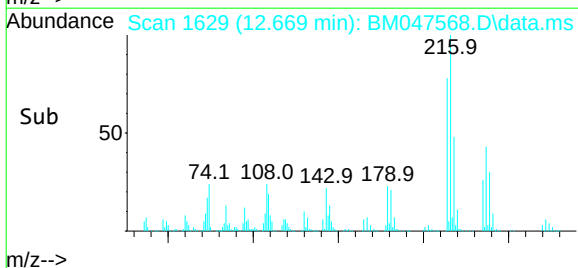
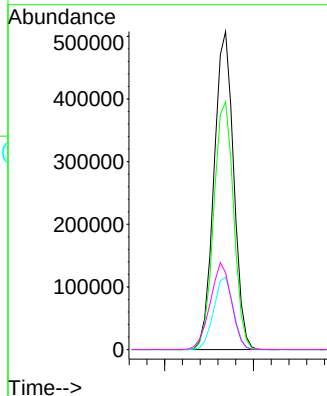
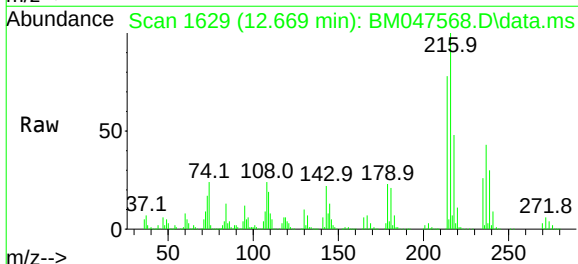
Ion Ratio Lower Upper

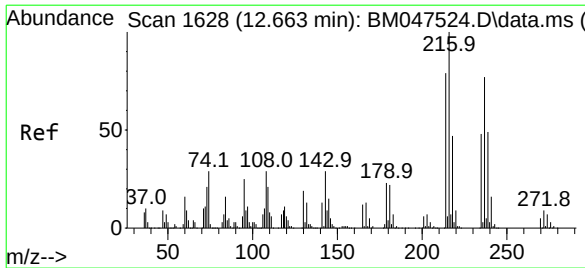
216 100

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 :

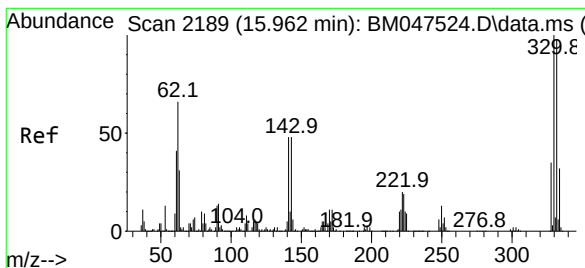
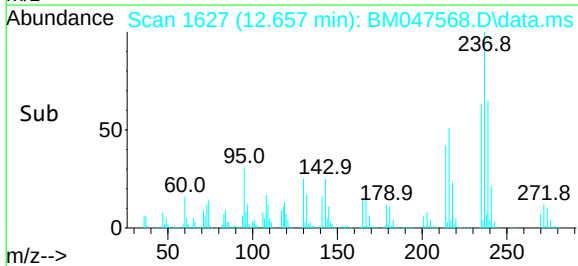
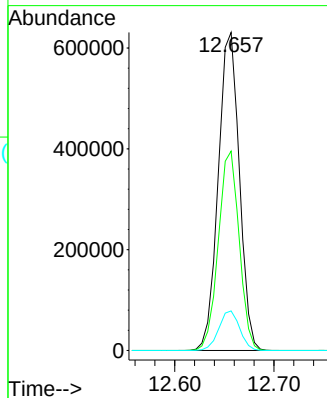
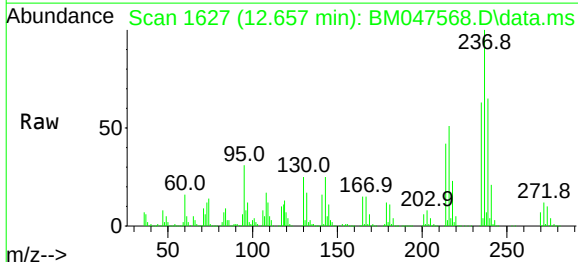
PB163318BS

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

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#42

2,4,6-Tribromophenol

Concen: 142.405 ng

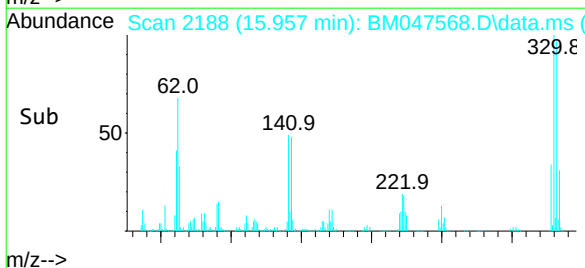
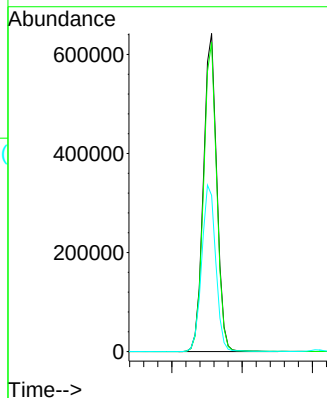
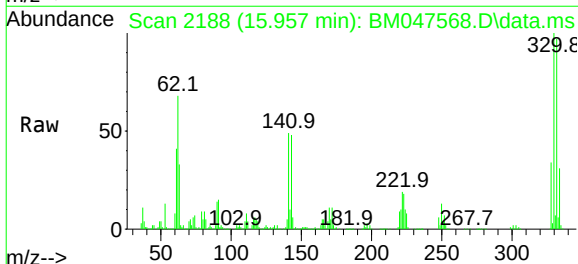
RT: 15.957 min Scan# 2188

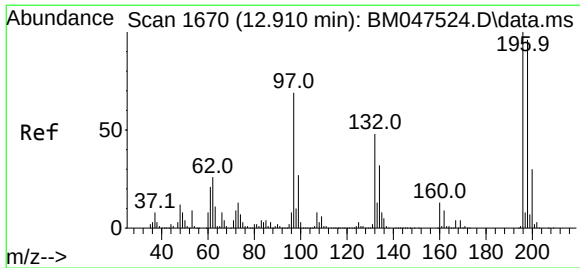
Delta R.T. -0.006 min

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

Instrument :

BNA_M

ClientSampleId :

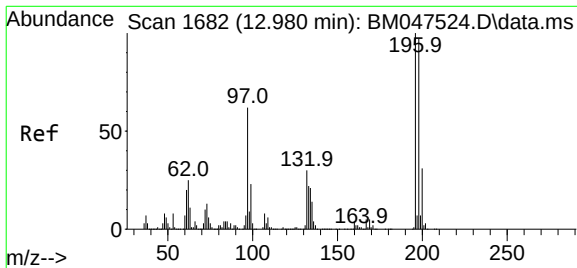
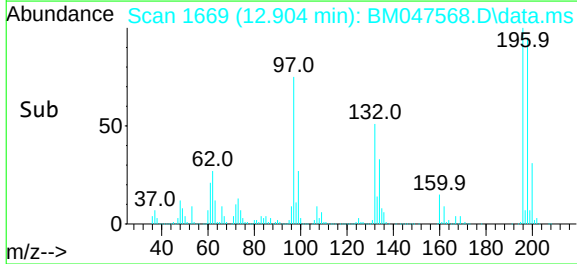
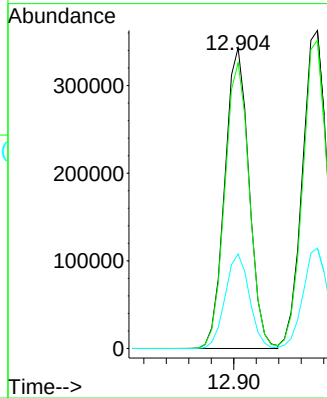
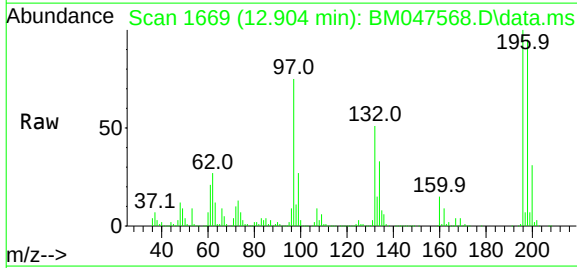
PB163318BS

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

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#44

2,4,5-Trichlorophenol

Concen: 47.669 ng

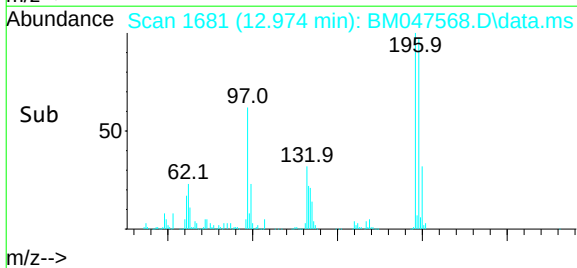
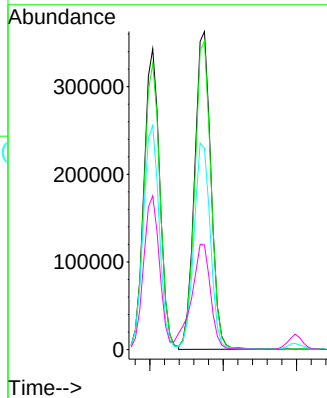
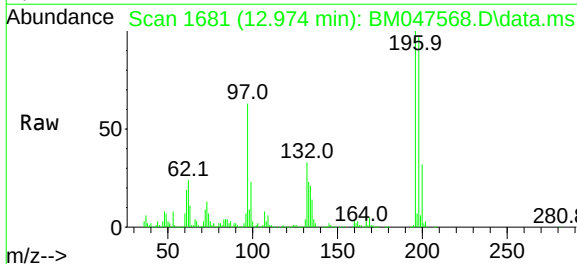
RT: 12.974 min Scan# 1681

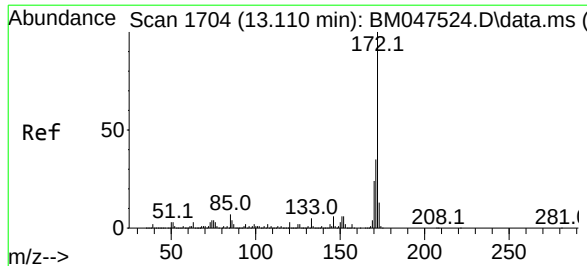
Delta R.T. -0.006 min

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# 1704

Delta R.T. -0.012 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:172 Resp: 4276289

Ion Ratio Lower Upper

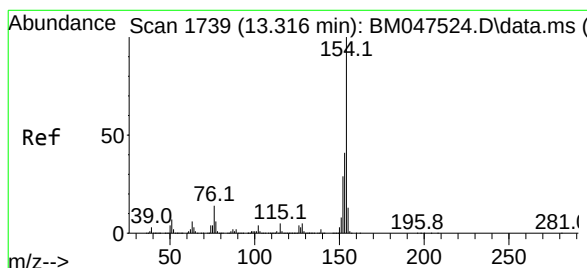
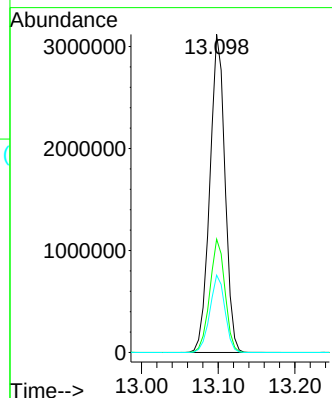
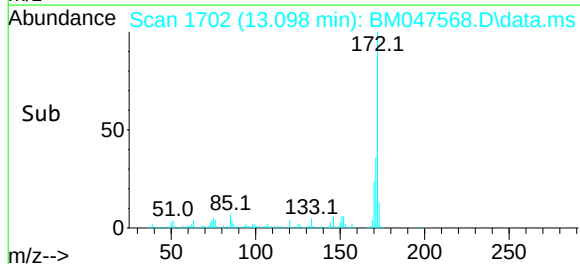
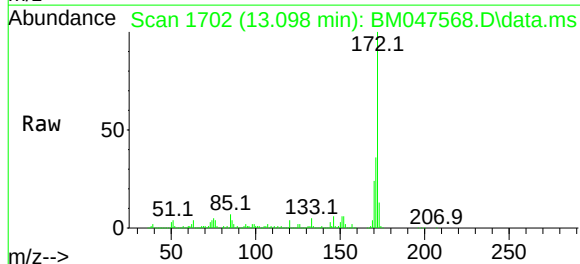
172 100

171 35.6 28.2 42.2

170 24.3 19.4 29.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

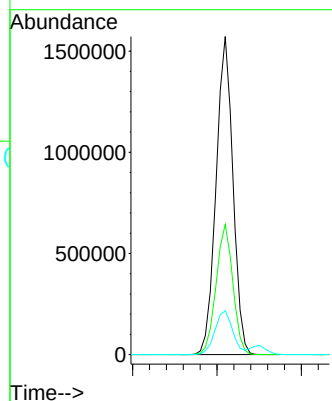
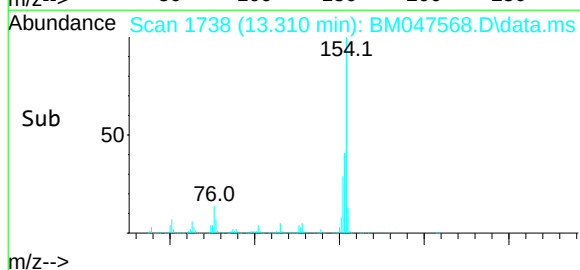
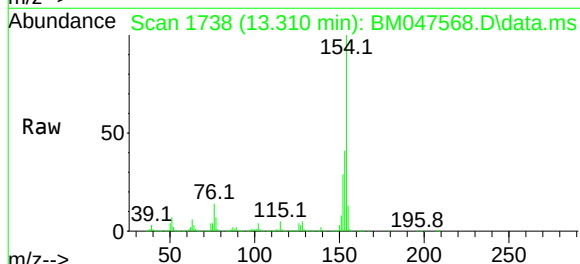
Tgt Ion:154 Resp: 2181353

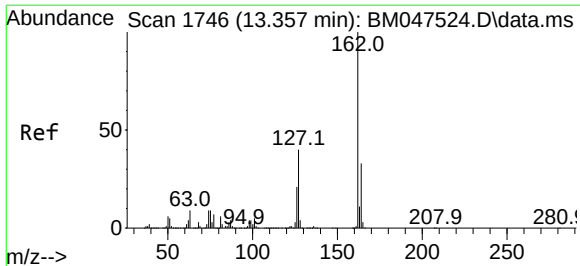
Ion Ratio Lower Upper

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# 1746

Delta R.T. -0.006 min

Lab File: BM047568.D

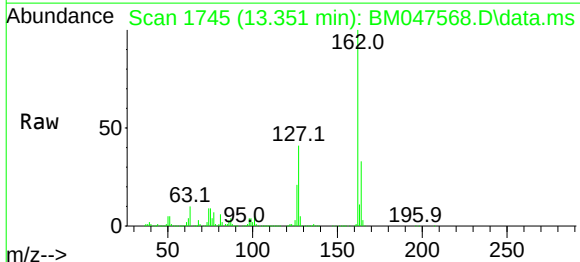
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion:162 Resp: 1655276

Ion Ratio Lower Upper

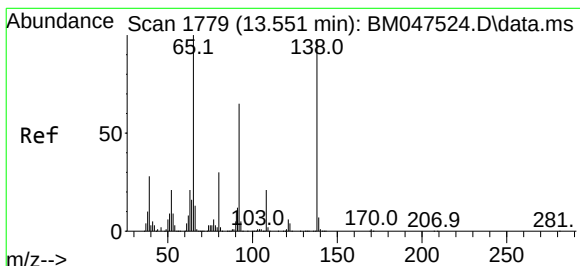
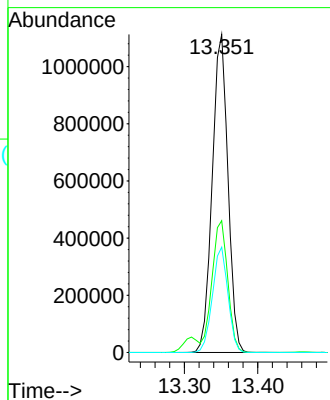
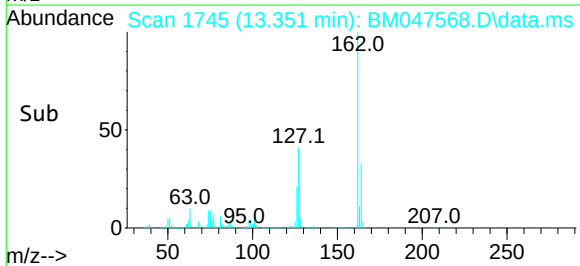
162 100

127 41.4 32.2 48.4

164 33.1 26.3 39.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

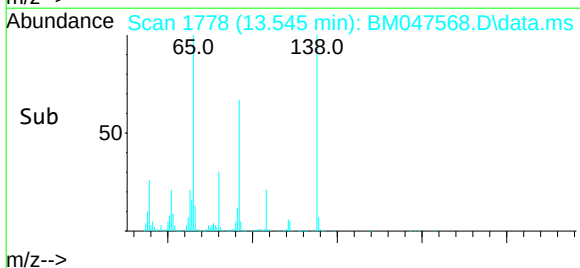
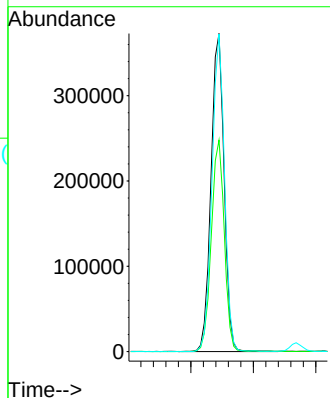
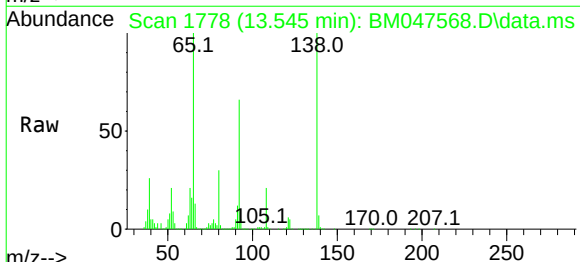
Tgt Ion: 65 Resp: 542727

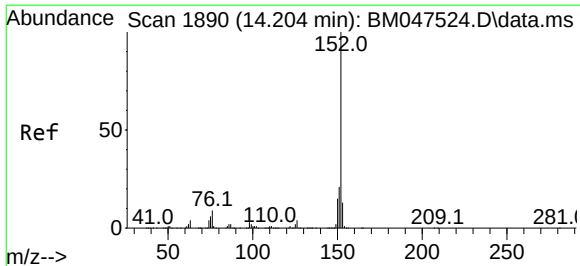
Ion Ratio Lower Upper

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

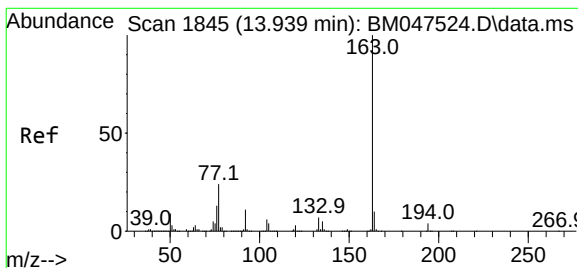
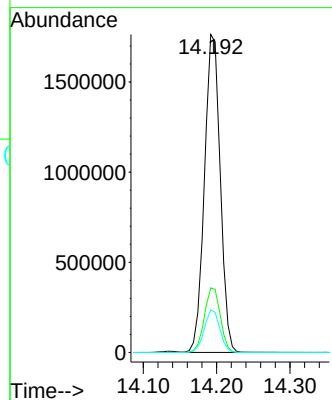
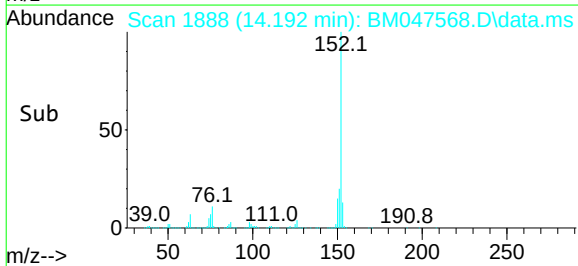
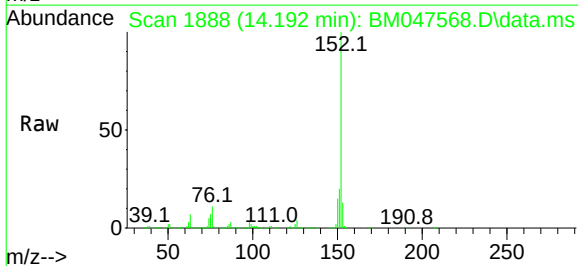
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7
153	13.4	10.4	15.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#50

Dimethylphthalate

Concen: 45.854 ng

RT: 13.927 min Scan# 1843

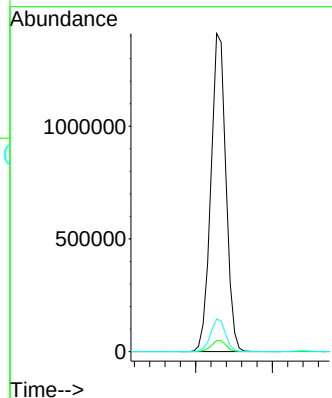
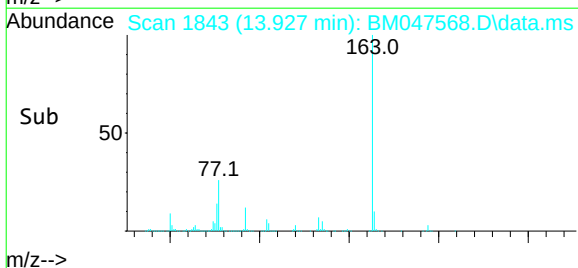
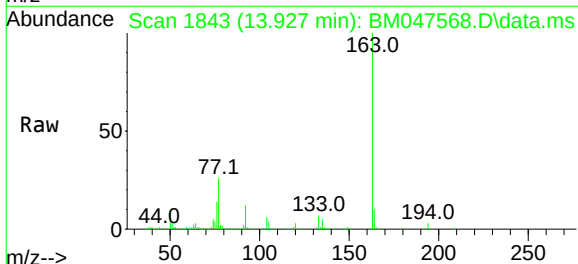
Delta R.T. -0.012 min

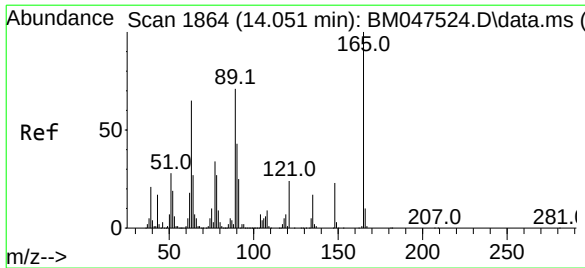
Lab File: BM047568.D

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





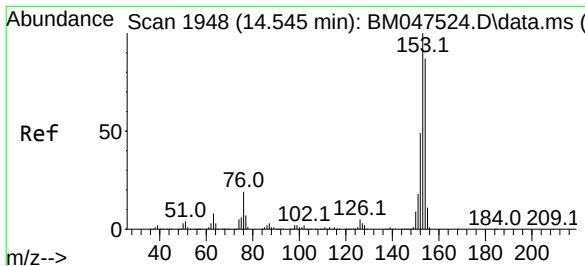
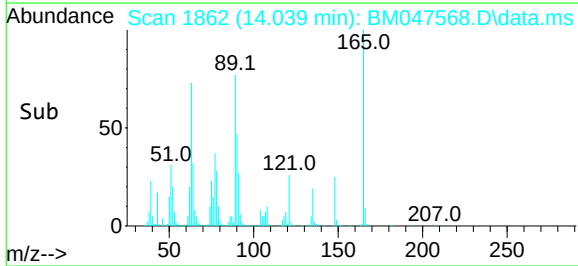
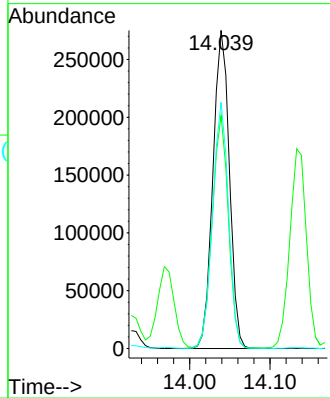
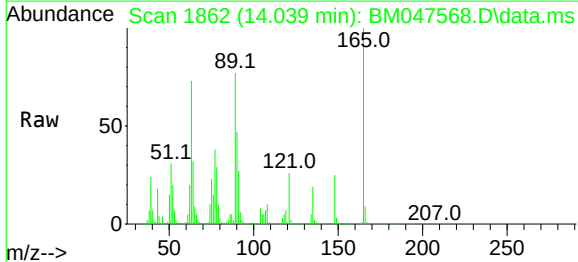
#51
2,6-Dinitrotoluene
Concen: 44.184 ng
RT: 14.039 min Scan# 1864
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Tgt Ion	Ratio	Lower	Upper
165	100		
63	73.3	54.2	81.2
89	77.4	56.4	84.6

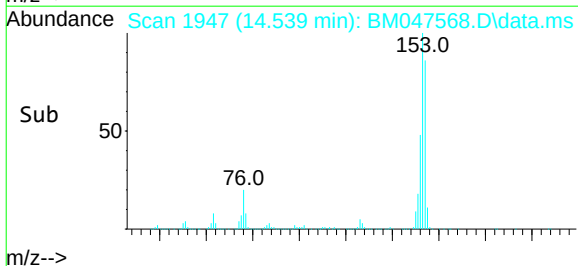
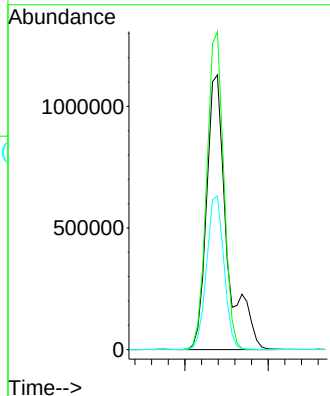
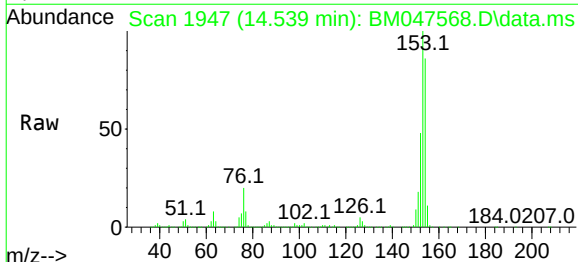
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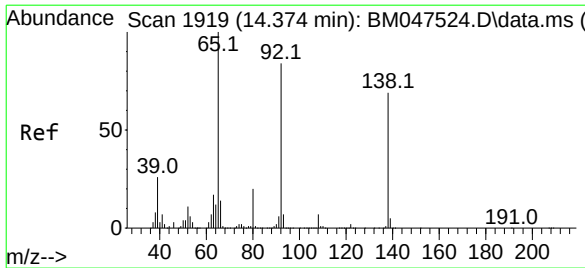
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#52
Acenaphthene
Concen: 50.990 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

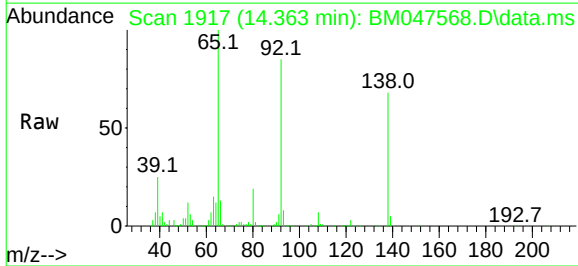
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.8	92.2	138.2
152	55.9	45.4	68.0





#53
3-Nitroaniline
Concen: 36.898 ng
RT: 14.363 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

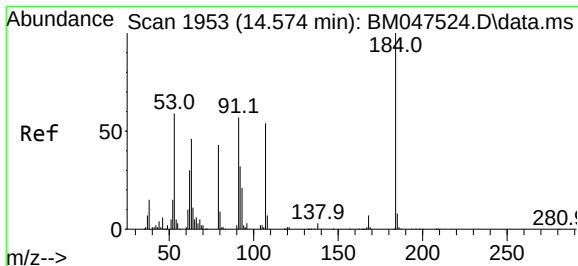
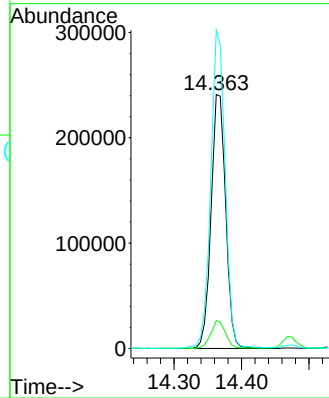
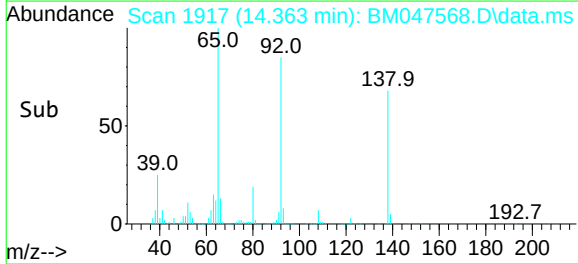
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

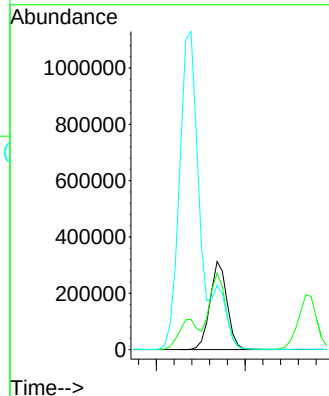
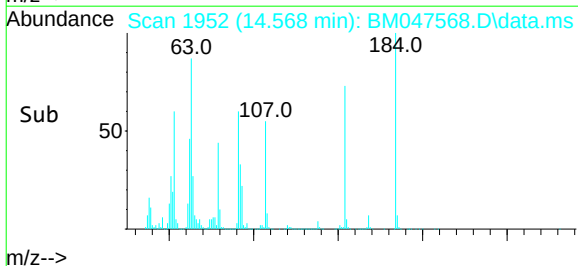
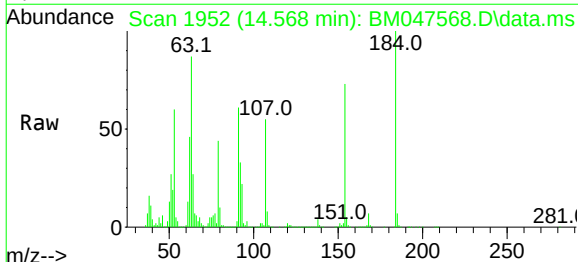
Manual Integrations
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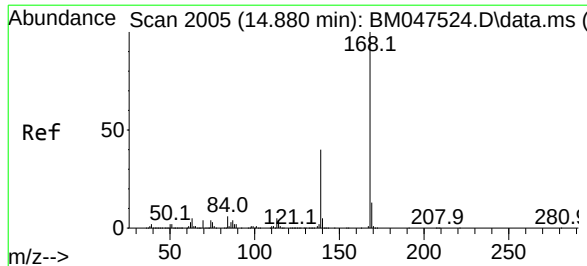
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Dibenzenofuran

Concen: 44.471 ng

RT: 14.868 min Scan# 2005

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

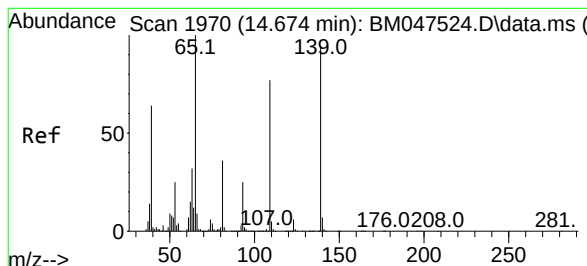
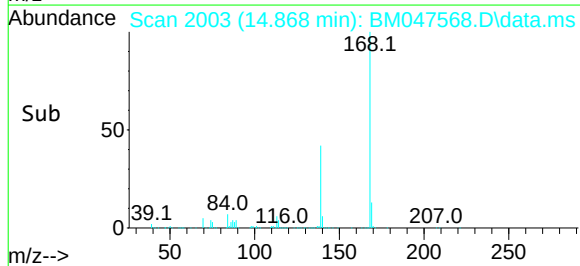
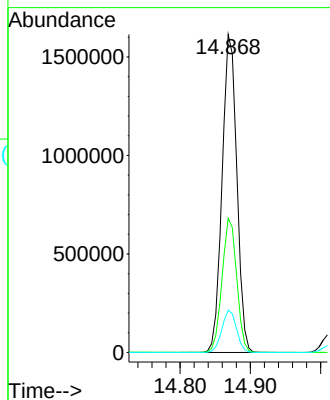
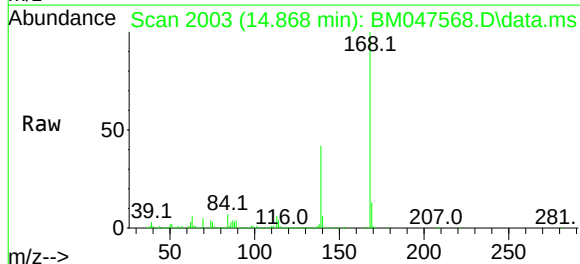
168 100

139 42.2 31.9 47.9

169 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

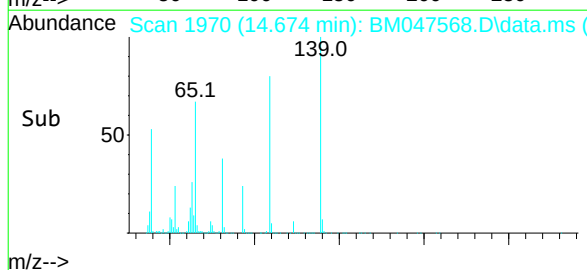
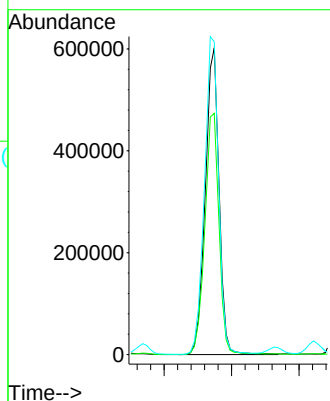
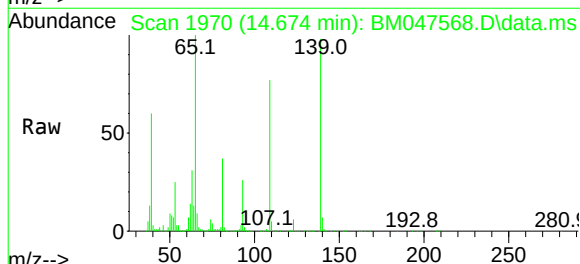
Tgt Ion:139 Resp: 855296

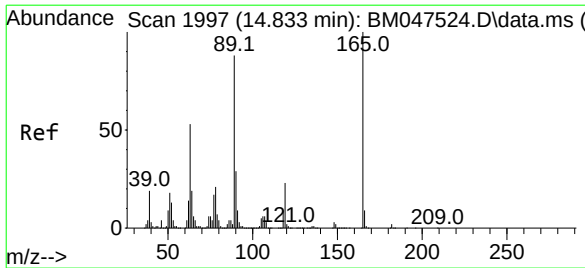
Ion Ratio Lower Upper

139 100

109 78.7 62.0 102.0

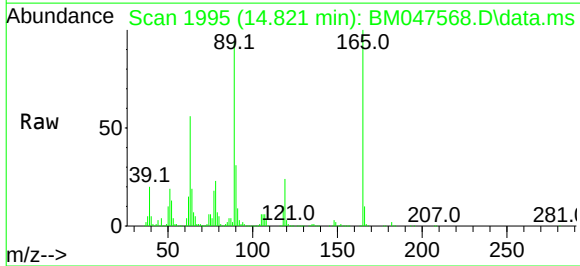
65 102.0 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 45.889 ng
RT: 14.821 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

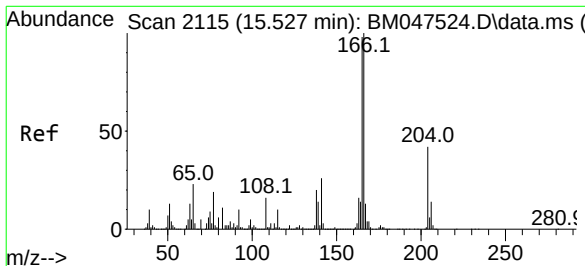
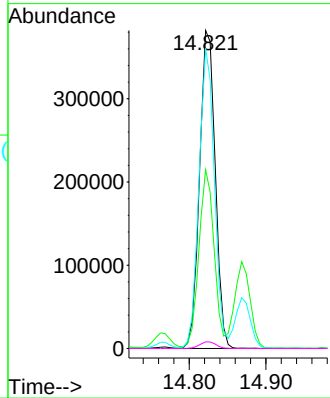
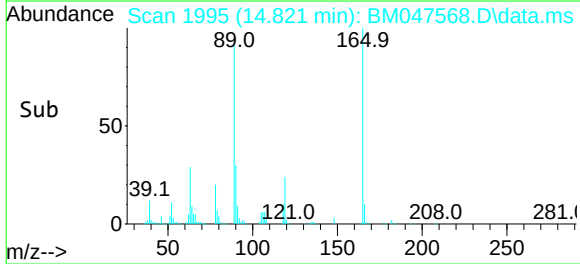
Instrument :
BNA_M
ClientSampleId :
PB163318BS



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

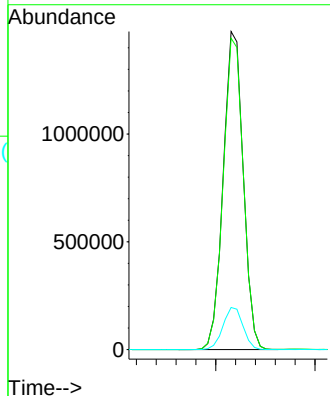
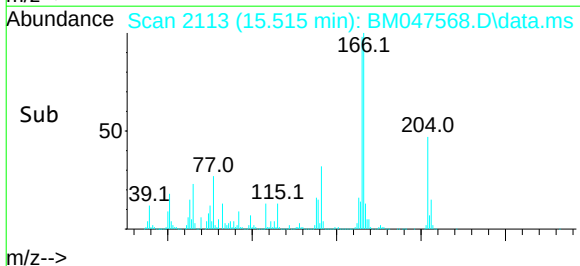
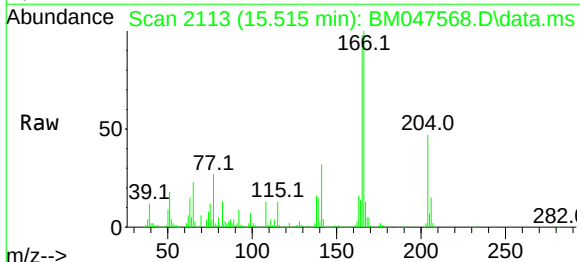
Manual Integrations
APPROVED

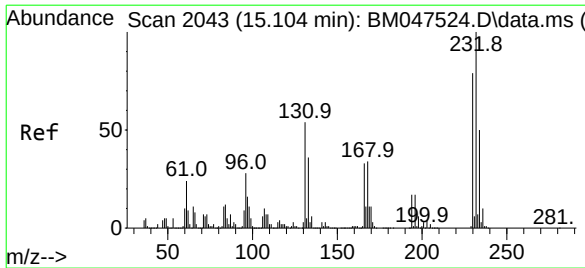
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 2043

Delta R.T. -0.012 min

Lab File: BM047568.D

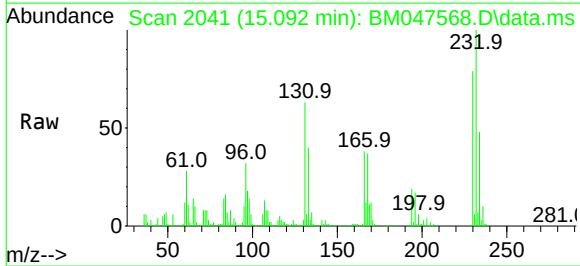
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion:232 Resp: 426009

Ion Ratio Lower Upper

232 100

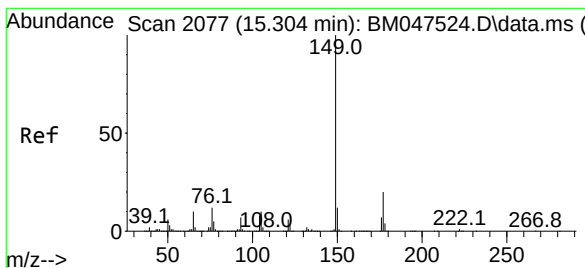
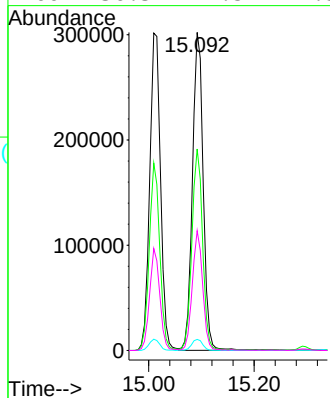
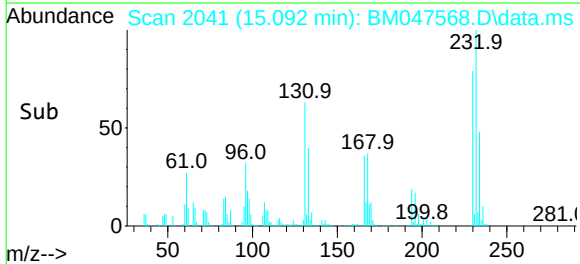
131 63.4 47.0 70.4

130 3.6 2.6 3.8

166 36.3 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

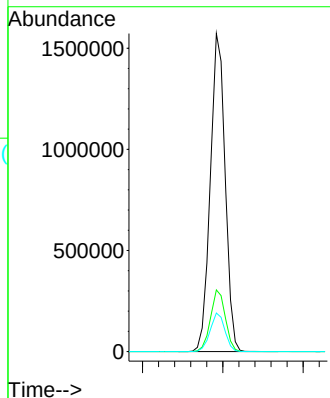
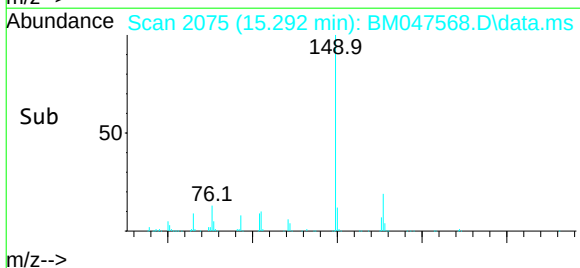
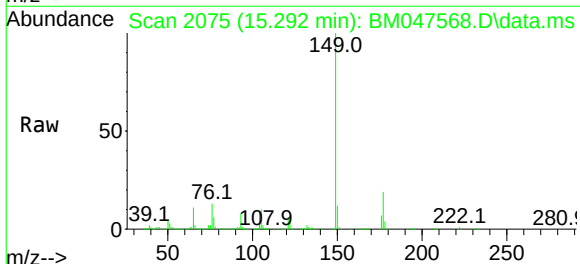
Tgt Ion:149 Resp: 2017759

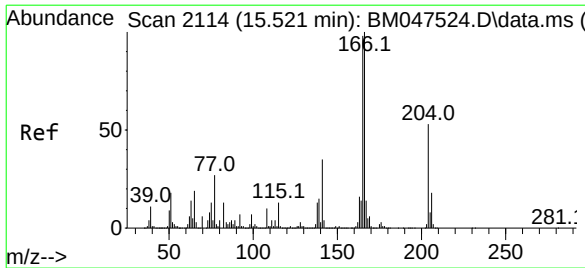
Ion Ratio Lower Upper

149 100

177 19.4 15.8 23.8

150 12.1 9.7 14.5





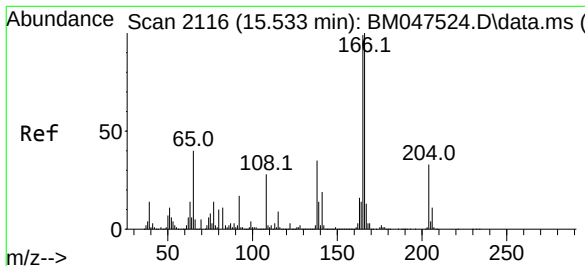
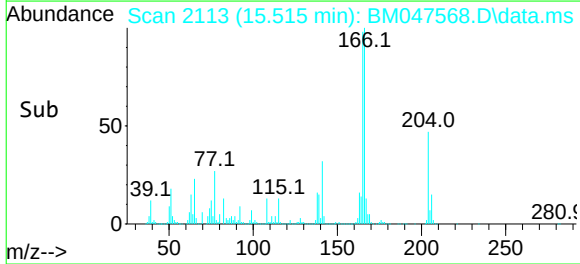
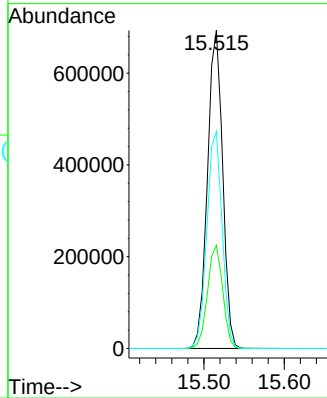
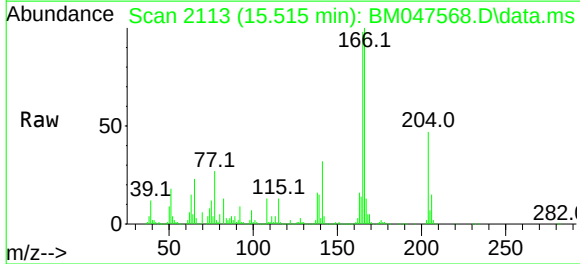
#61
4-Chlorophenyl-phenylether
Concen: 41.870 ng
RT: 15.515 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.5	39.7
141	68.2	52.1	78.1

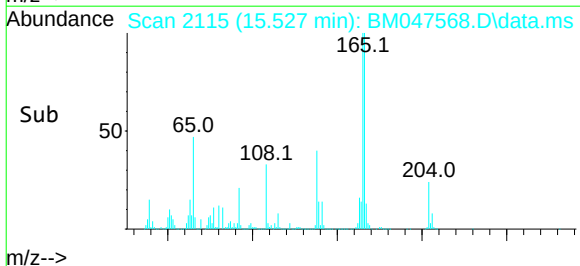
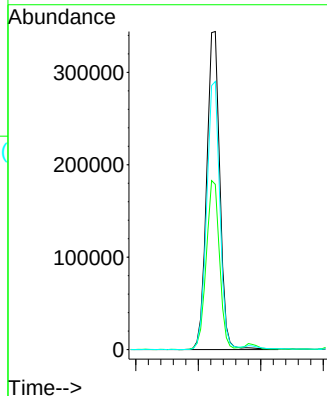
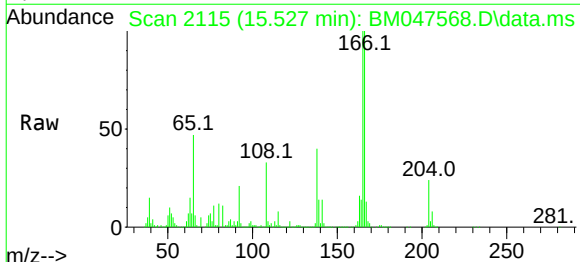
Manual Integrations
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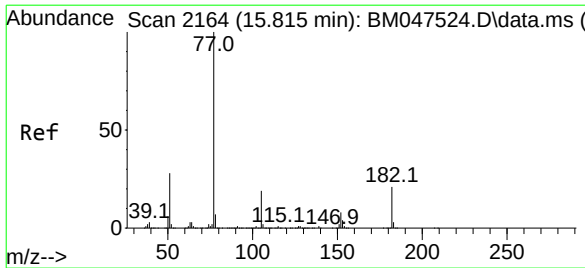
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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	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

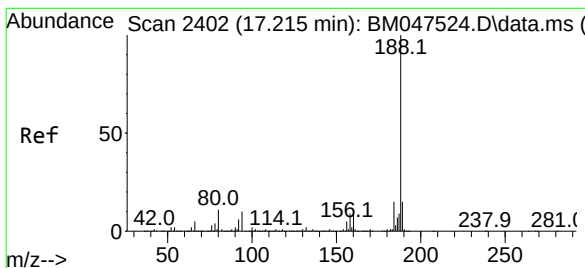
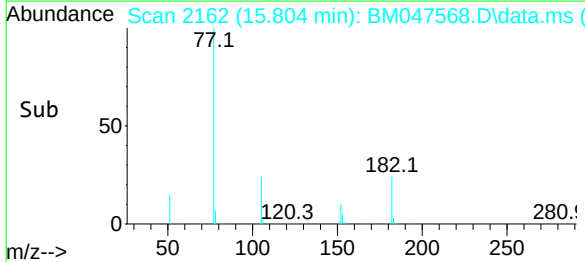
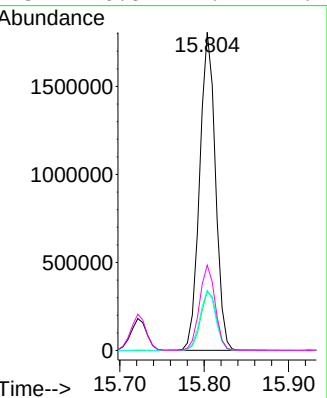
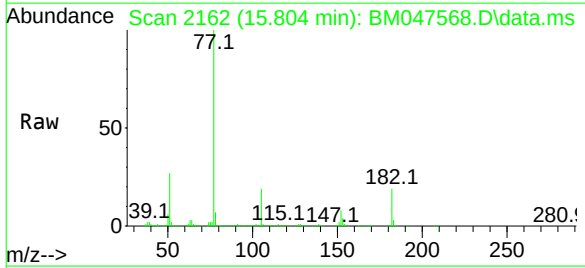
Ion	Ratio	Lower	Upper
77	100		
182	18.5	1.2	41.2
105	18.9	0.0	39.4
51	26.8	7.9	47.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.209 min Scan# 2401

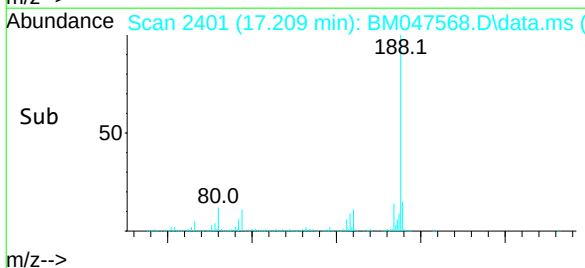
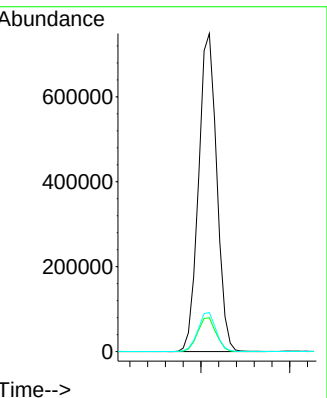
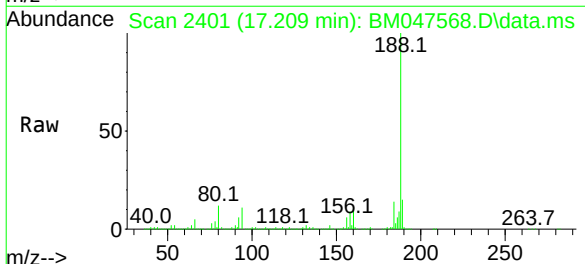
Delta R.T. -0.006 min

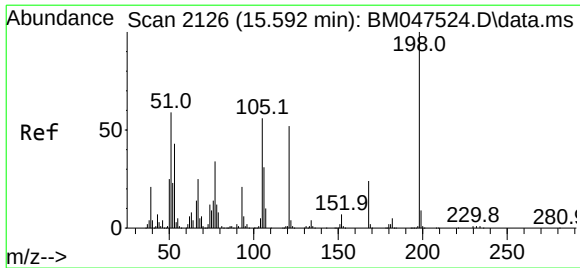
Lab File: BM047568.D

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





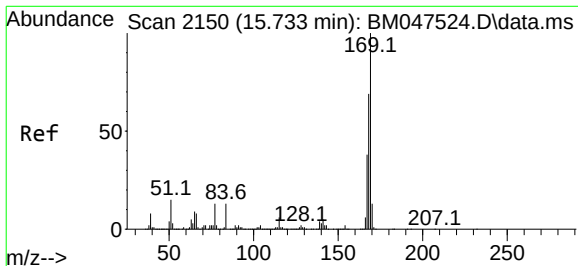
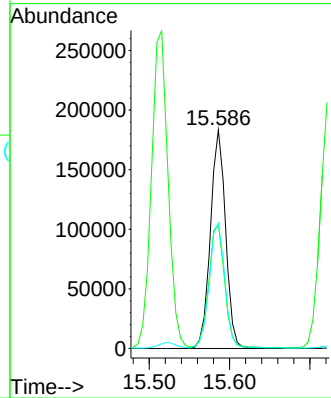
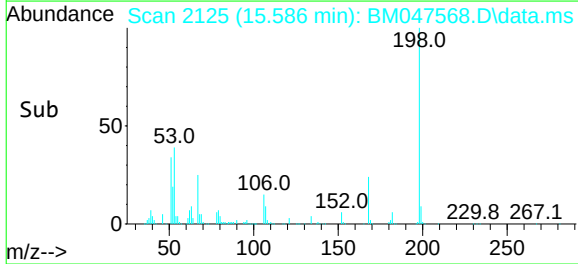
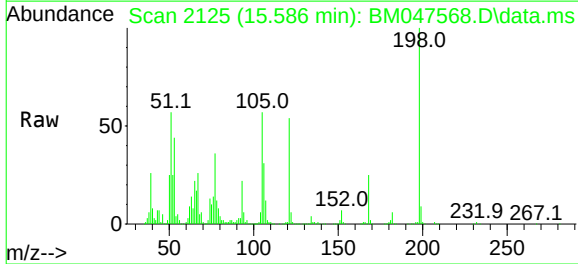
#65
4,6-Dinitro-2-methylphenol
Concen: 44.884 ng
RT: 15.586 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Instrument :
BNA_M
ClientSampleId :
PB163318BS

Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.7	41.5	81.5
105	57.3	36.4	76.4

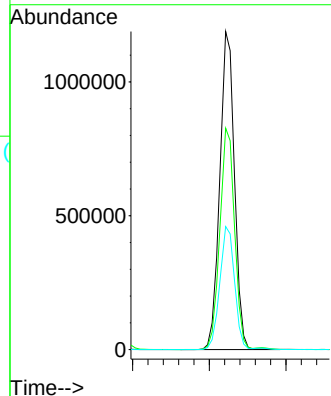
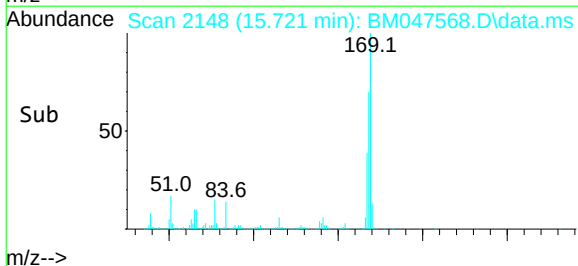
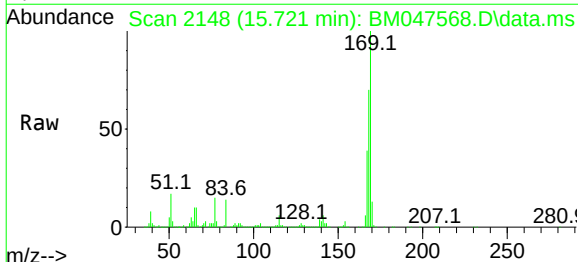
Manual Integrations
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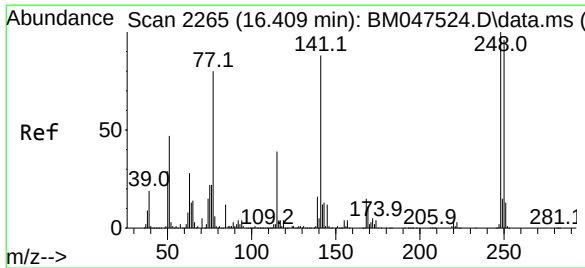
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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	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# 2265

Delta R.T. -0.006 min

Lab File: BM047568.D

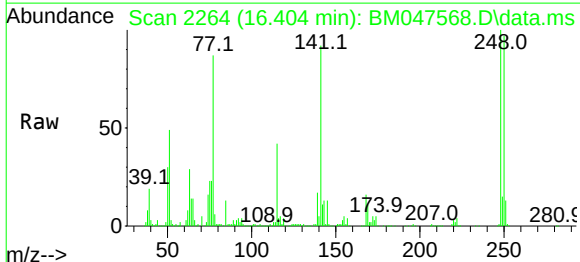
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion:248 Resp: 455967

Ion Ratio Lower Upper

248 100

250 97.2 76.9 115.3

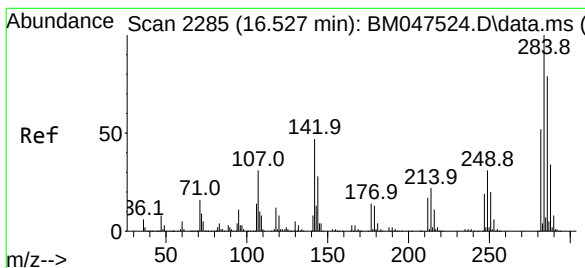
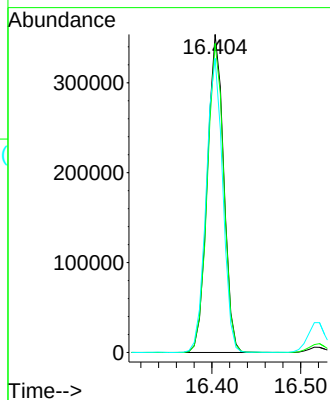
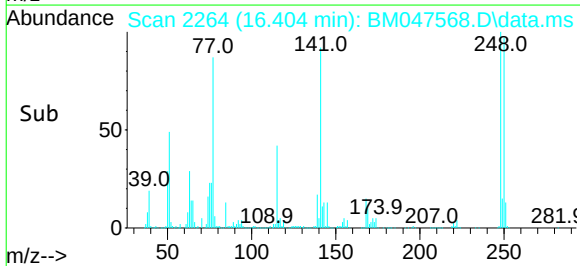
141 92.5 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

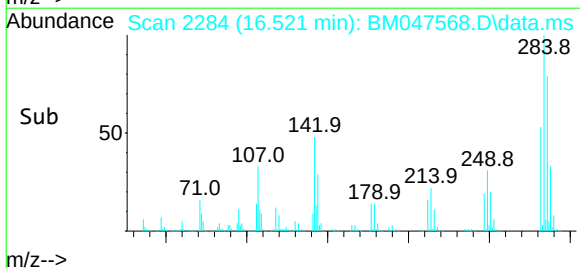
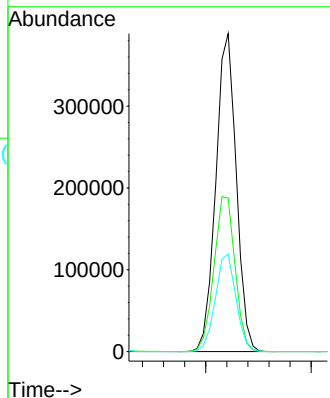
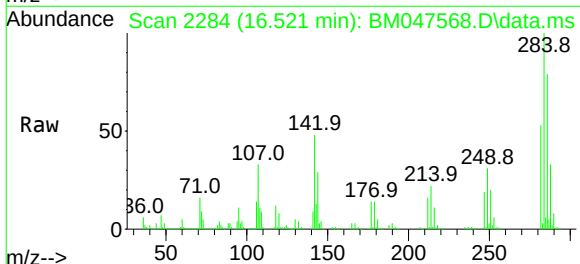
Tgt Ion:284 Resp: 523759

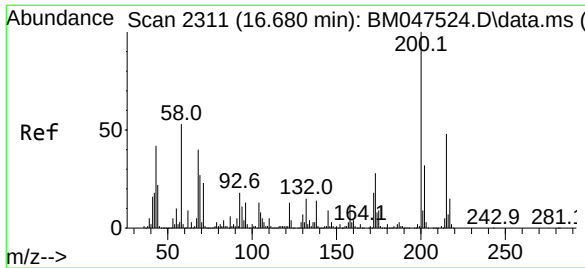
Ion Ratio Lower Upper

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# 2311

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

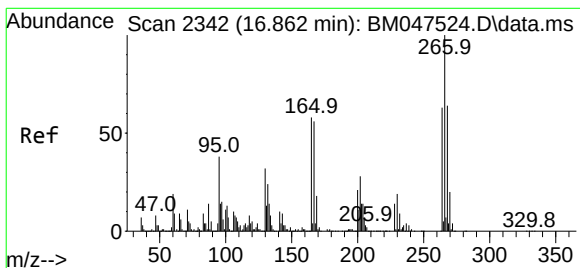
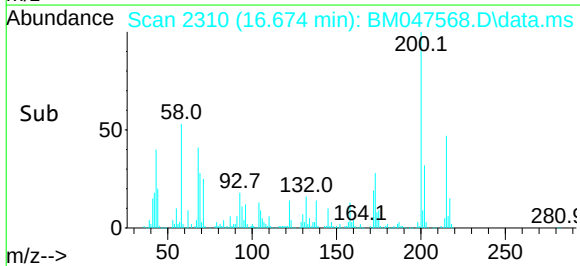
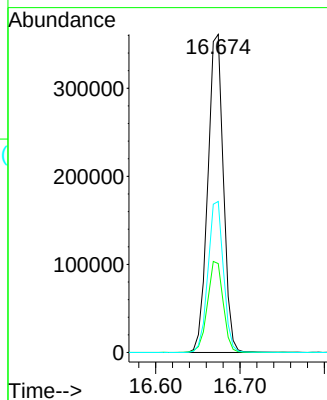
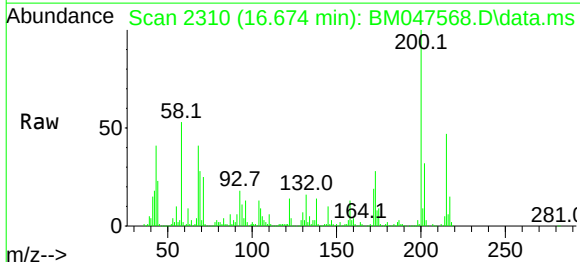
215 47.5 27.9 67.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024

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

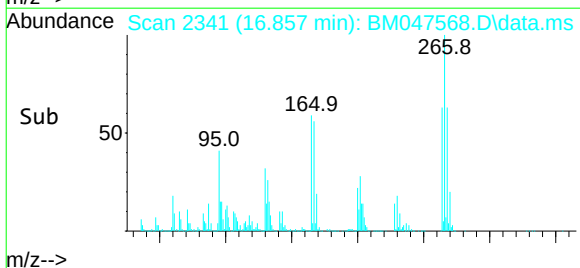
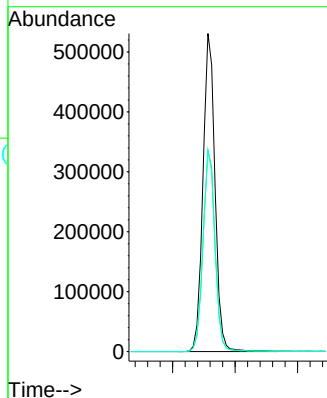
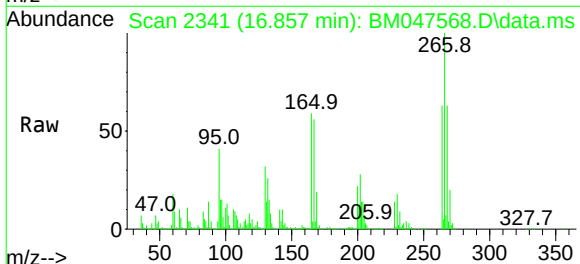
Tgt Ion:266 Resp: 709776

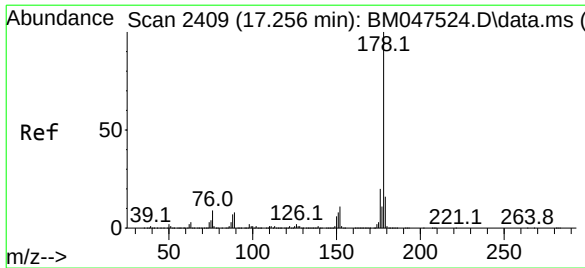
Ion Ratio Lower Upper

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# 2409

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

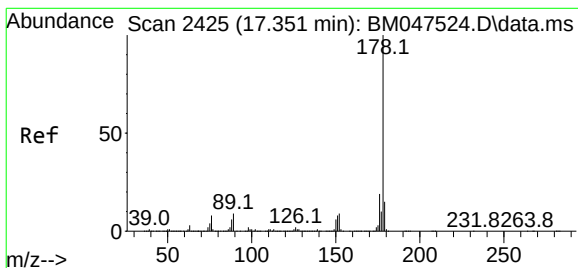
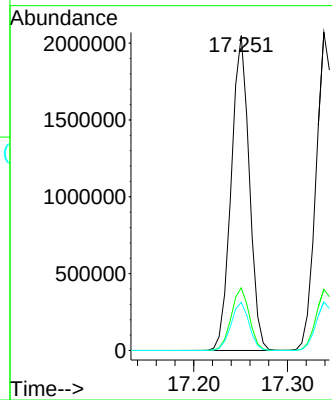
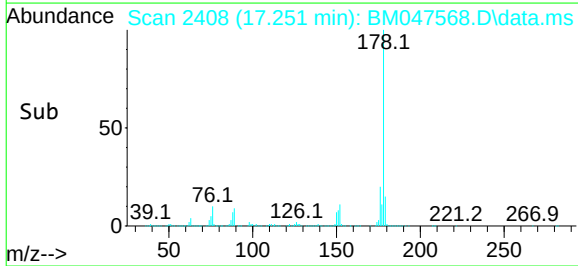
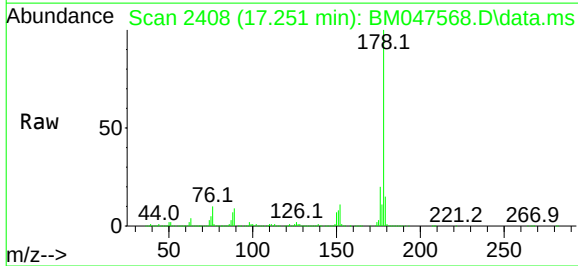
178 100

176 19.9 16.0 24.0

179 15.3 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
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

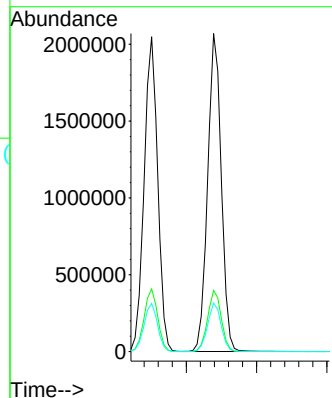
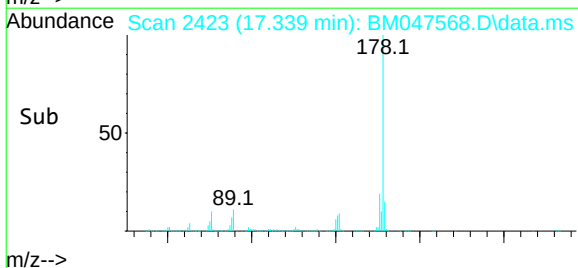
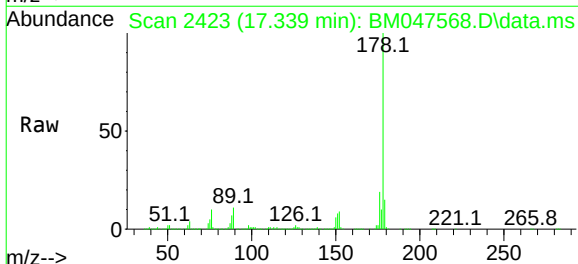
Tgt Ion:178 Resp: 2777929

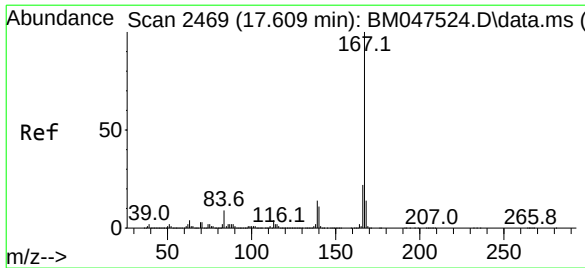
Ion Ratio Lower Upper

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# 2468

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

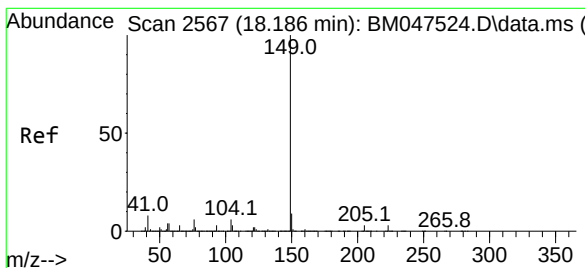
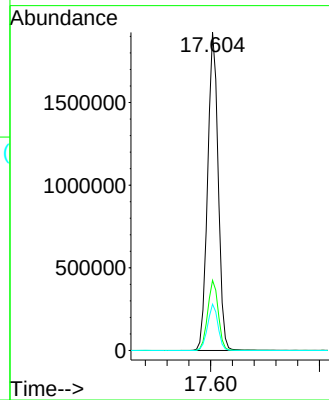
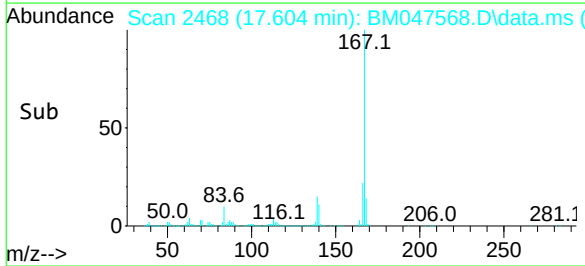
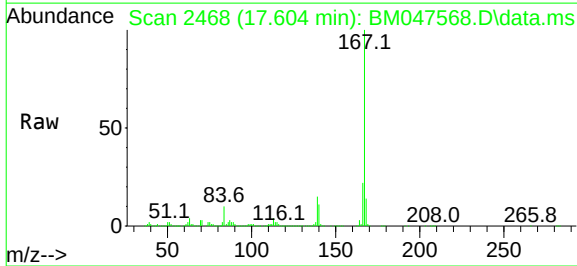
167 100

166 22.0 17.8 26.8

139 14.5 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
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

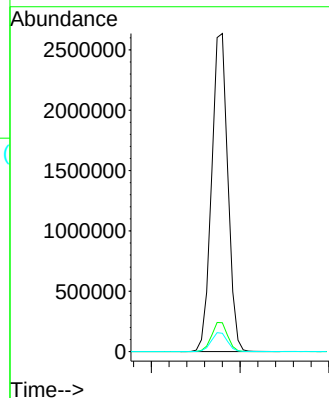
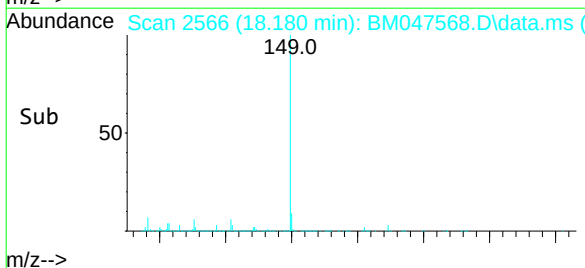
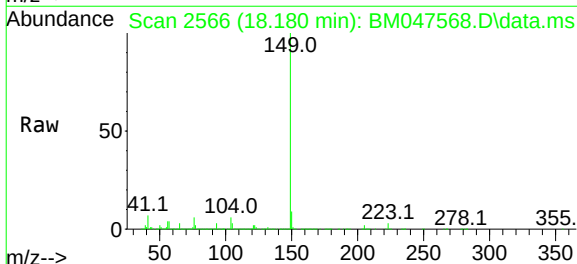
Tgt Ion:149 Resp: 3345257

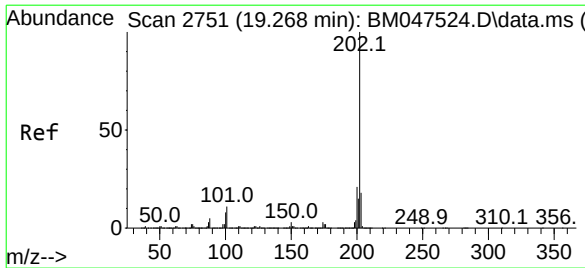
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:202 Resp: 2800166

Ion Ratio Lower Upper

202 100

101 13.2 0.0 30.8

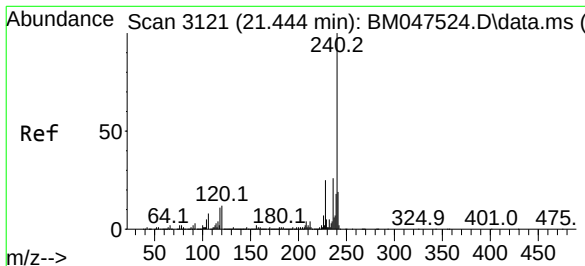
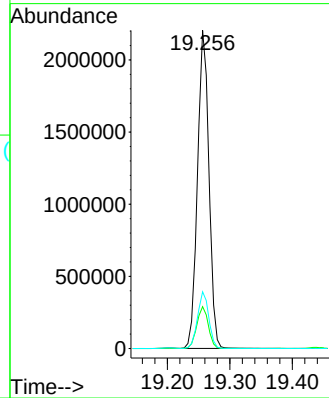
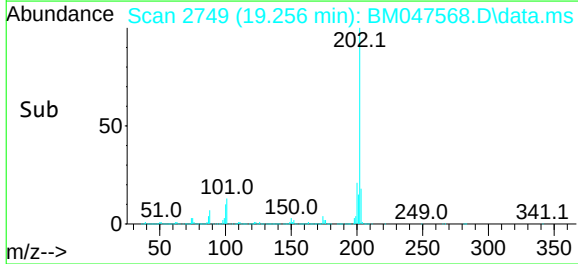
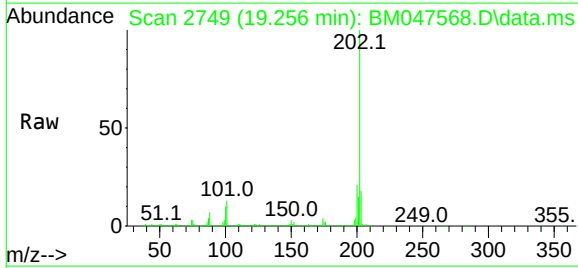
203 17.8 0.0 37.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

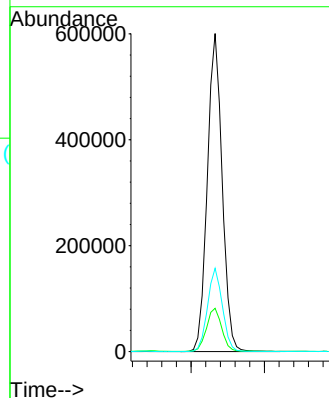
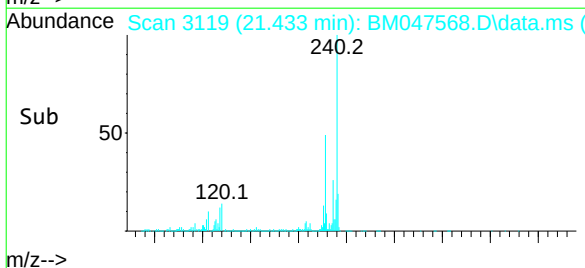
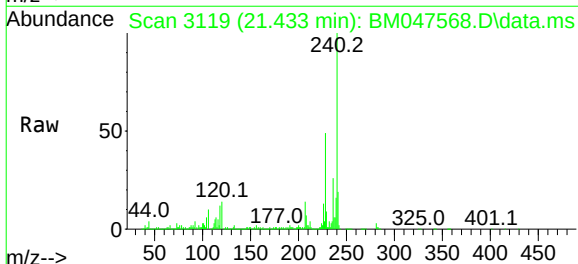
Tgt Ion:240 Resp: 844898

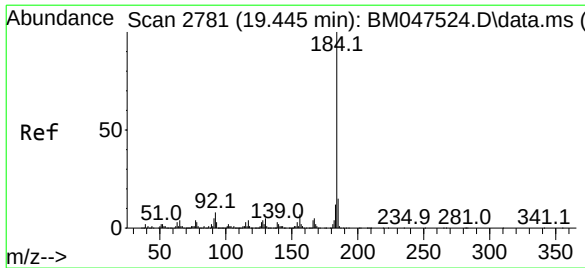
Ion Ratio Lower Upper

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

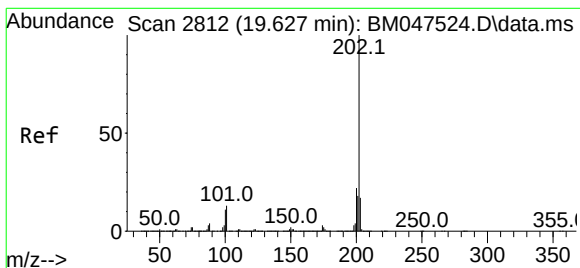
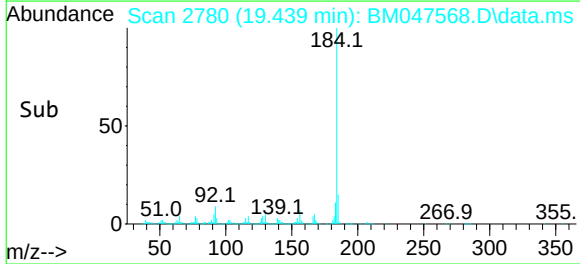
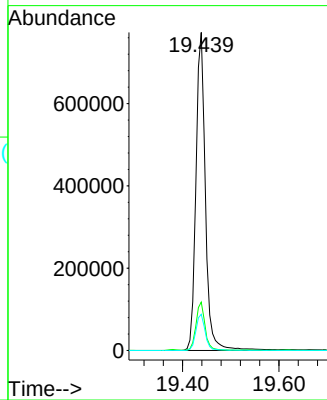
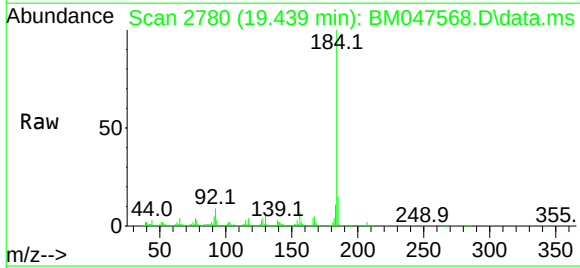
184 100

185 15.2 12.2 18.2

183 11.4 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
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

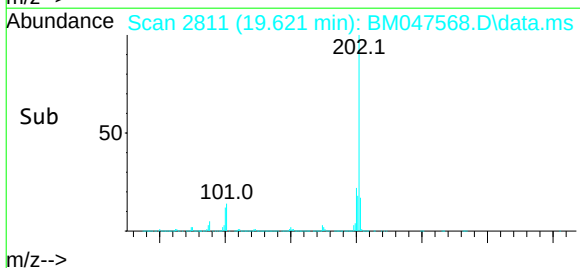
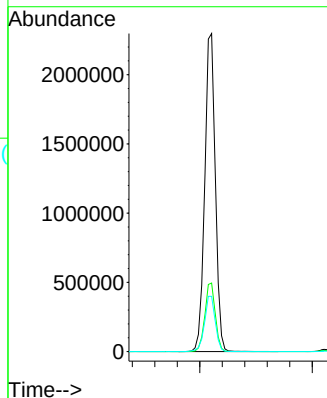
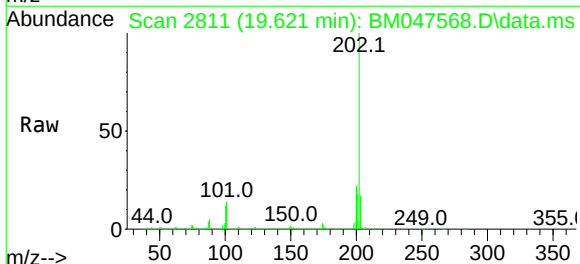
Tgt Ion:202 Resp: 3005093

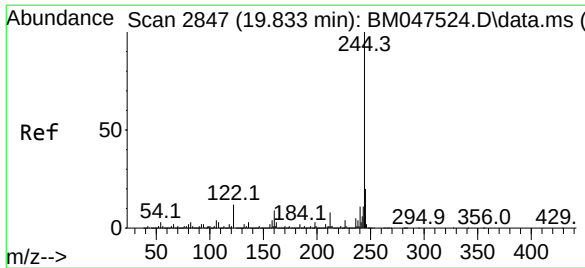
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:244 Resp: 5250065

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

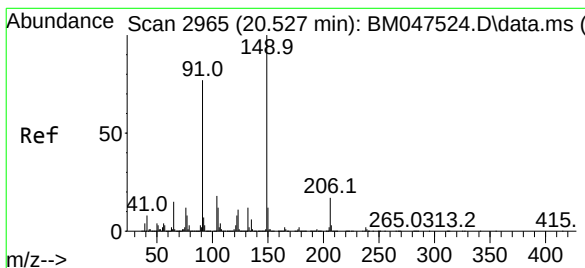
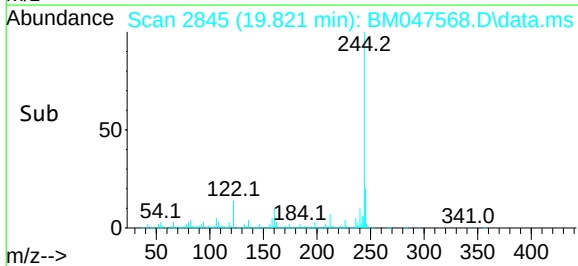
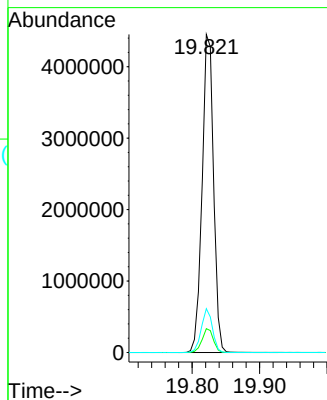
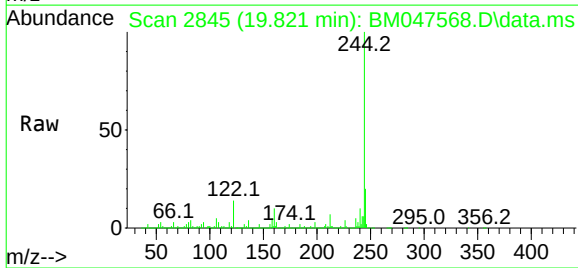
122 13.8 9.6 14.4

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

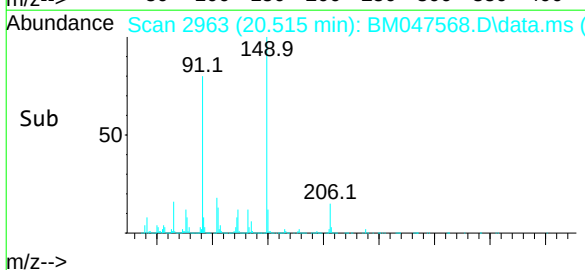
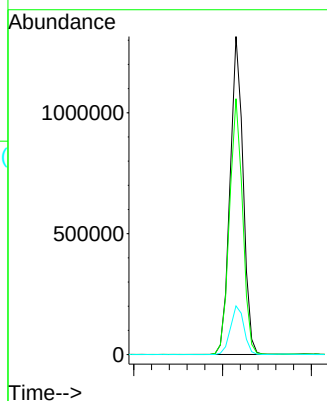
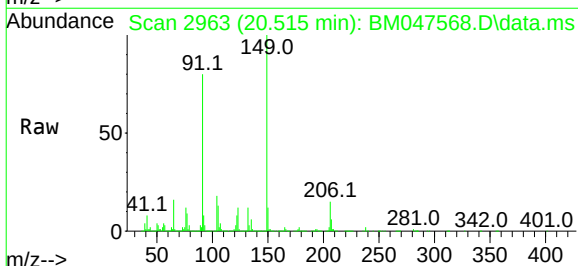
Tgt Ion:149 Resp: 1341786

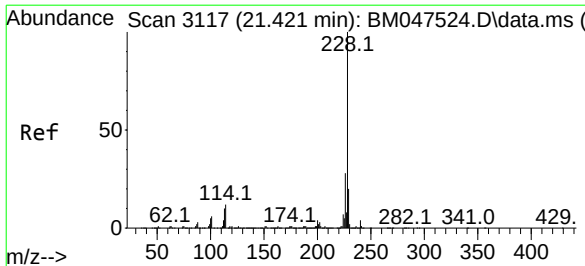
Ion Ratio Lower Upper

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# 3117

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

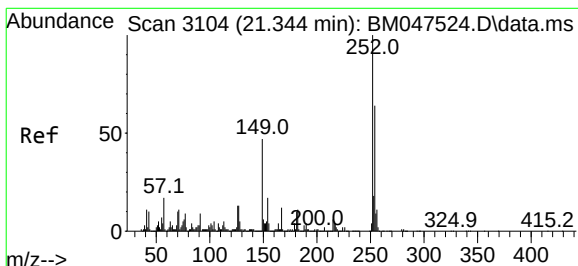
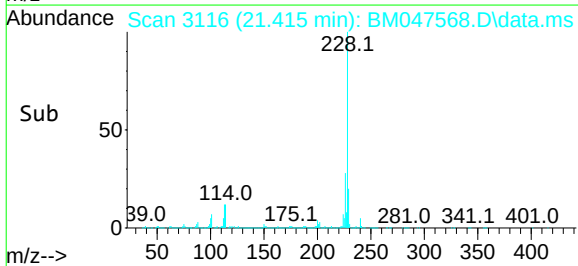
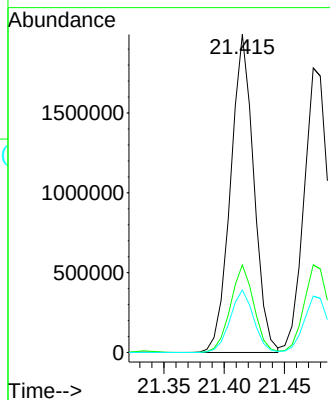
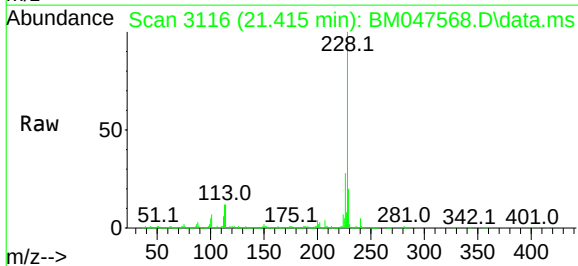
229 19.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

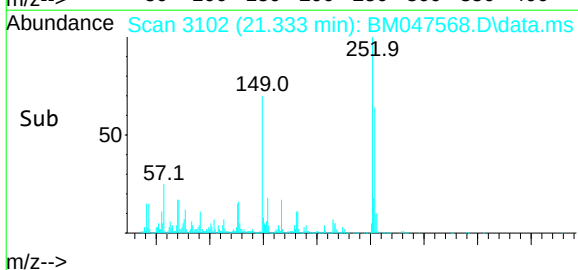
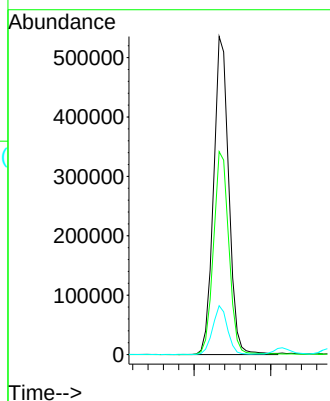
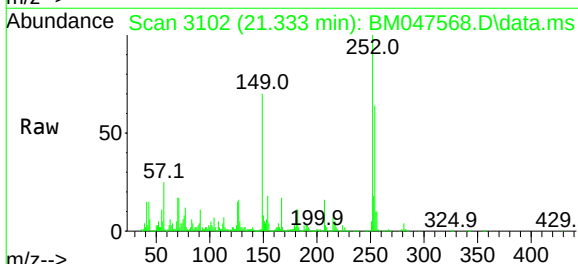
Tgt Ion:252 Resp: 737815

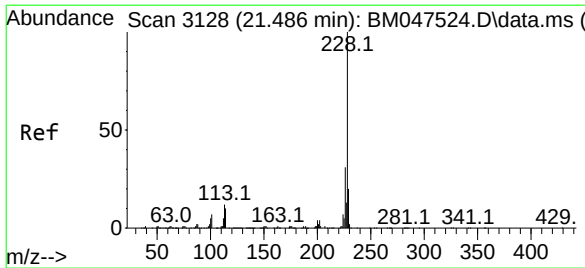
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:228 Resp: 2522781

Ion Ratio Lower Upper

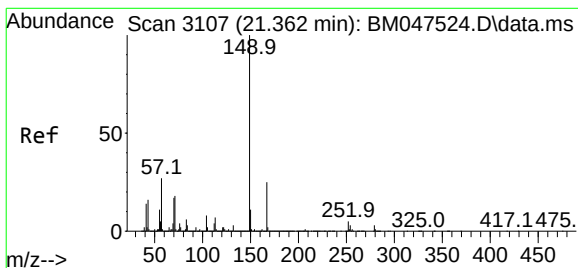
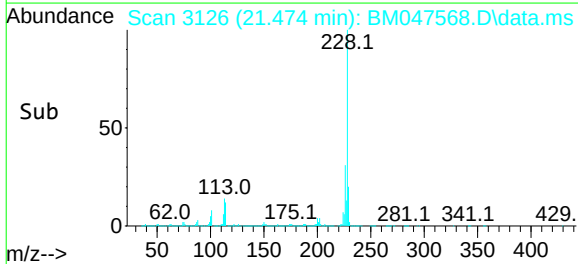
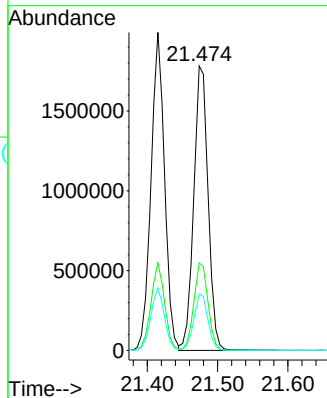
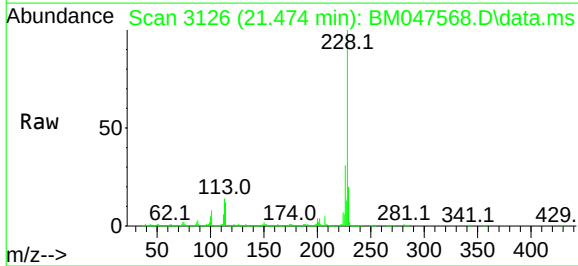
228 100

226 30.8 25.0 37.6

229 19.8 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

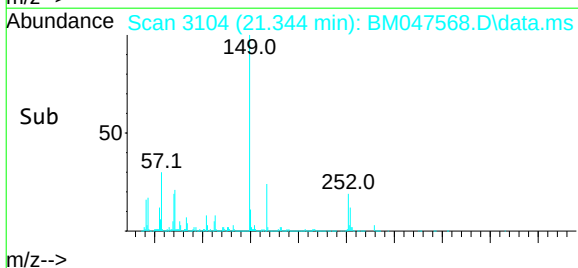
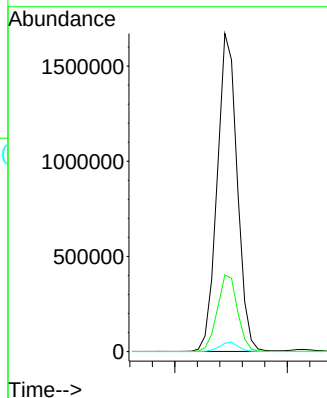
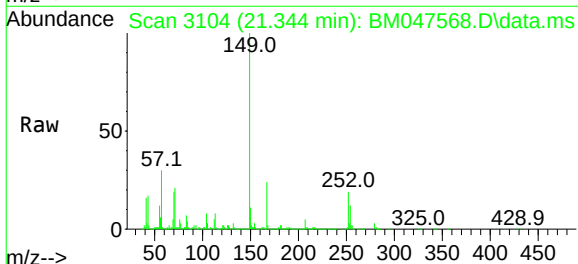
Tgt Ion:149 Resp: 2065319

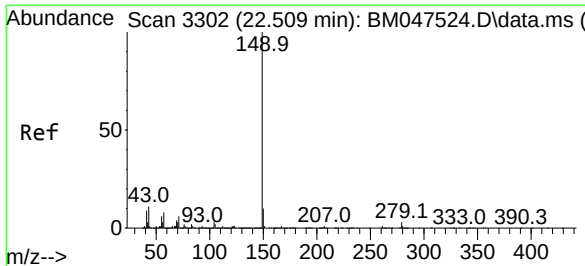
Ion Ratio Lower Upper

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

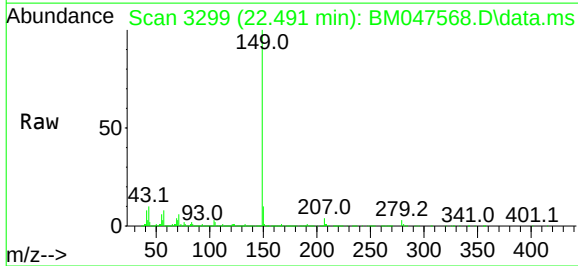
Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS



Tgt Ion:149 Resp: 3210329

Ion Ratio Lower Upper

149 100

167 1.3 1.1 1.7

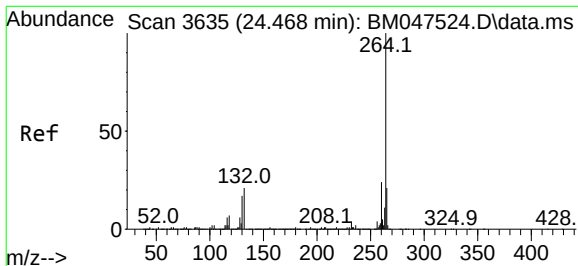
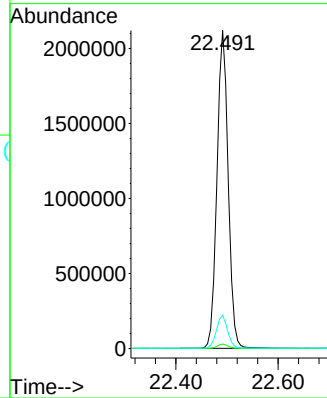
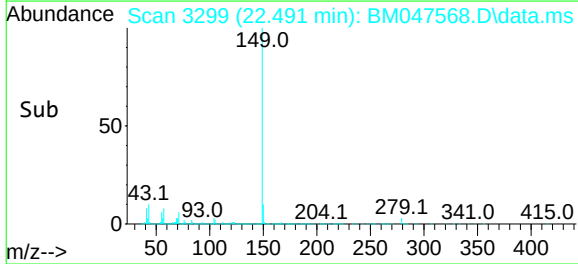
43 10.4 8.9 13.3

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: BM047568.D

Acq: 19 Sep 2024 13:15

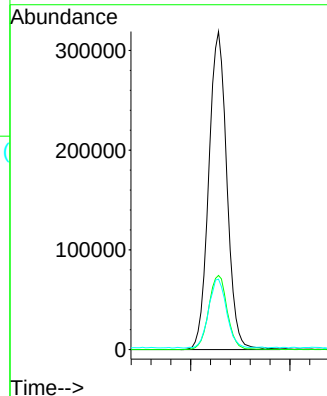
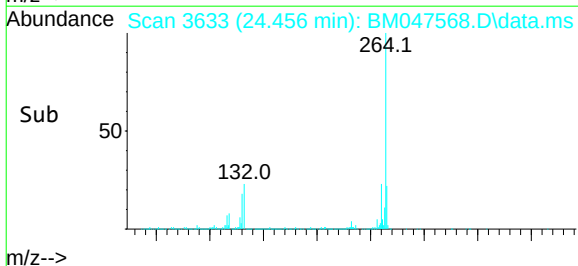
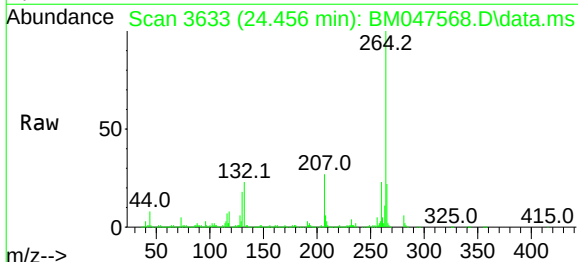
Tgt Ion:264 Resp: 808669

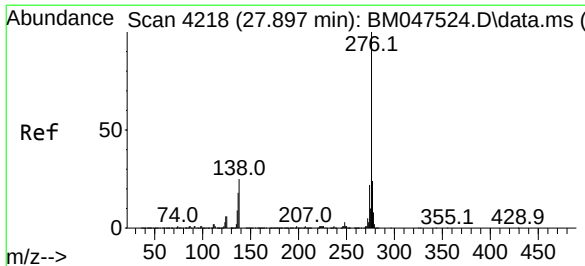
Ion Ratio Lower Upper

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# 4218

Delta R.T. -0.018 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:276 Resp: 3081058

Ion	Ratio	Lower	Upper

276	100		

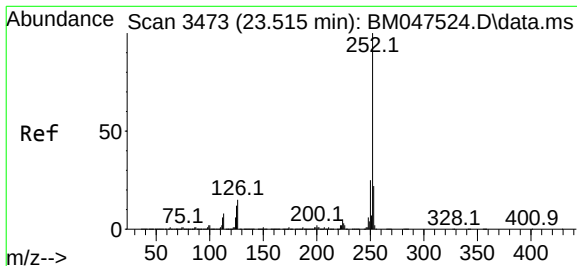
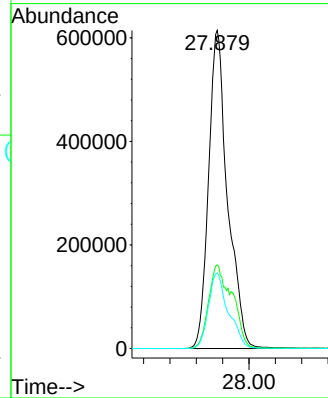
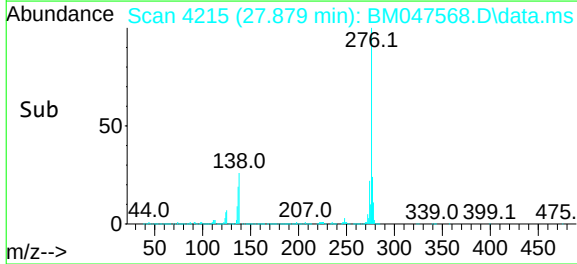
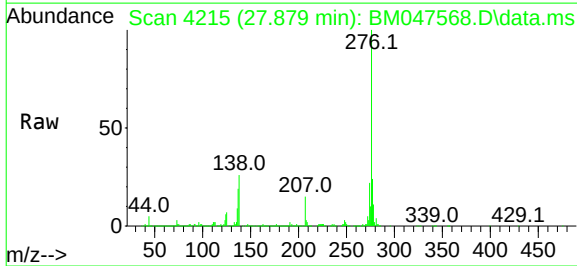
138	32.6	25.0	37.6

277	24.9	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#88

Benzo(b)fluoranthene

Concen: 46.560 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.012 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

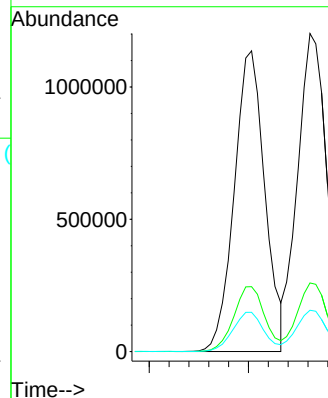
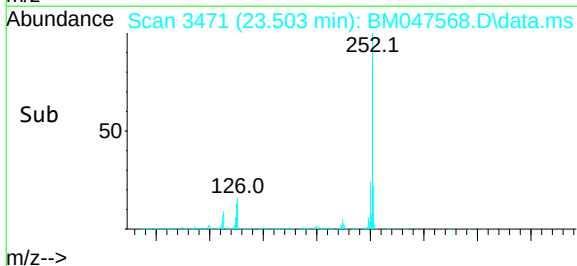
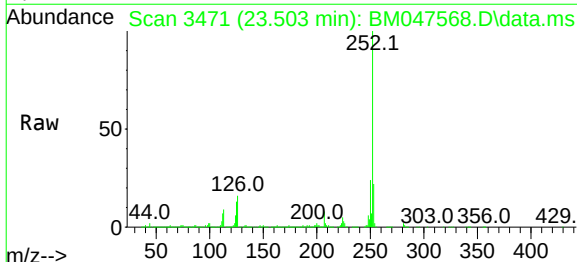
Tgt Ion:252 Resp: 2436128

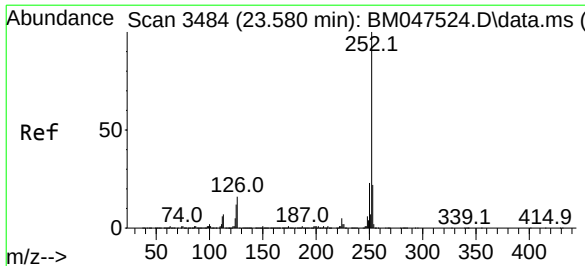
Ion	Ratio	Lower	Upper

252	100		

253	21.6	17.8	26.8

125	13.1	9.5	14.3





#89

Benzo(k)fluoranthene

Concen: 47.799 ng

RT: 23.562 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

Instrument :

BNA_M

ClientSampleId :

PB163318BS

Tgt Ion:252 Resp: 2478620

Ion Ratio Lower Upper

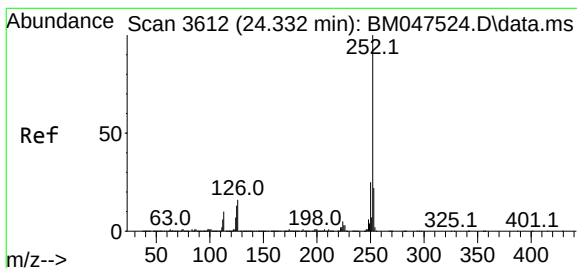
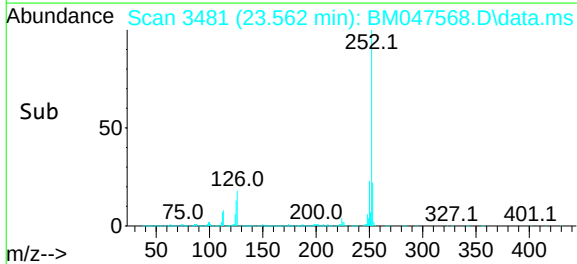
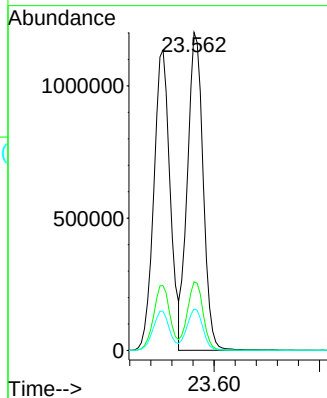
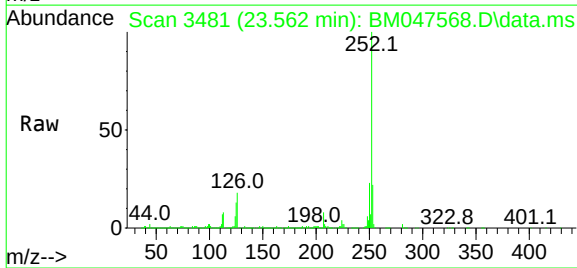
252 100

253 21.6 17.8 26.6

125 13.0 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#90

Benzo(a)pyrene

Concen: 53.387 ng

RT: 24.315 min Scan# 3609

Delta R.T. -0.018 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

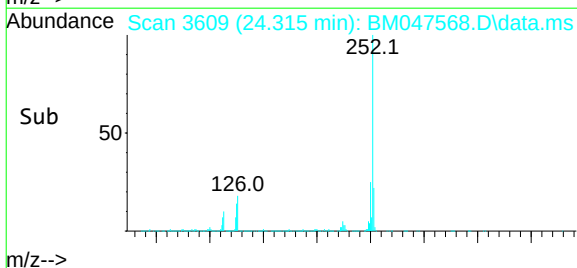
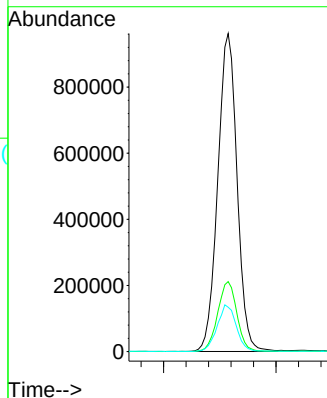
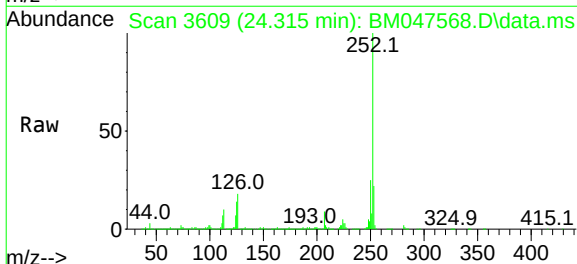
Tgt Ion:252 Resp: 2289428

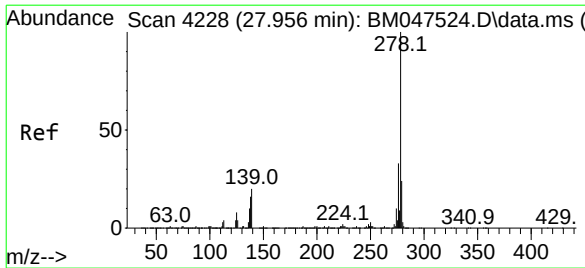
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 14.0 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 62.334 ng

RT: 27.944 min Scan# 4226

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

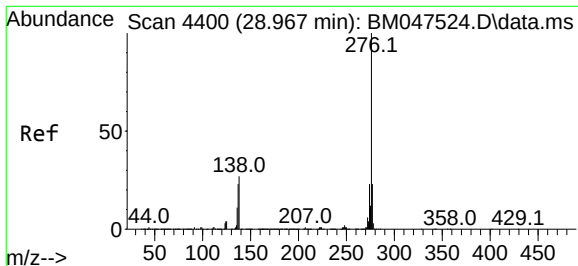
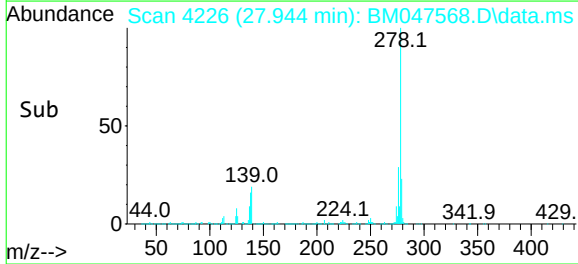
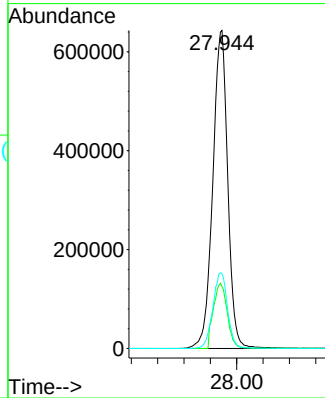
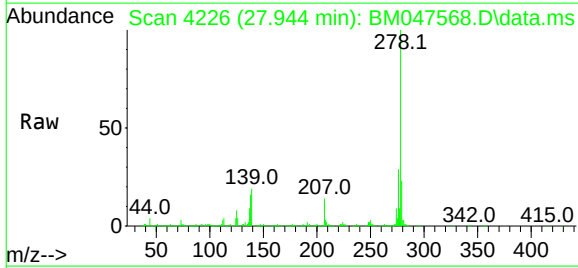
Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.9	23.9
279	23.5	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#92

Benzo(g,h,i)perylene

Concen: 58.978 ng

RT: 28.944 min Scan# 4396

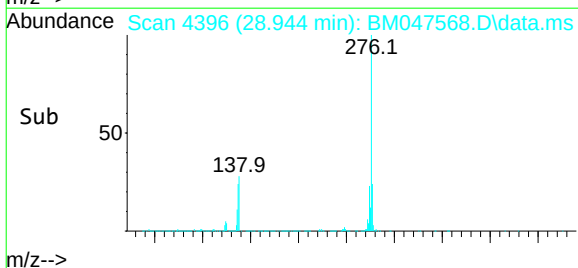
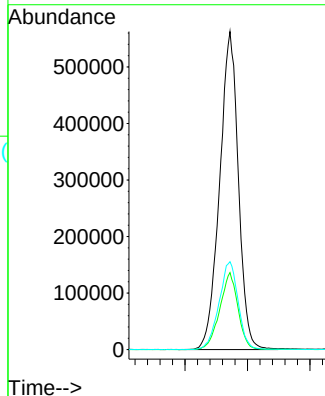
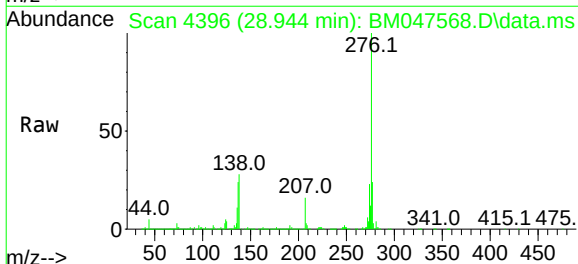
Delta R.T. -0.023 min

Lab File: BM047568.D

Acq: 19 Sep 2024 13:15

Tgt Ion:276 Resp: 2345773

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	27.6	21.5	32.3



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BSD	SDG No.:	P3845
Lab Sample ID:	PB163318BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047569.D	1	09/12/24 08:40	09/19/24 13:54	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	40.8		1.00	10.0	ug/L
110-86-1	Pyridine	36.1		1.60	5.00	ug/L
100-52-7	Benzaldehyde	17.6		4.00	10.0	ug/L
62-53-3	Aniline	45.5		1.60	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.7		1.20	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	40.9		0.88	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	42.7		0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.1		0.84	5.00	ug/L
100-51-6	Benzyl Alcohol	45.4		1.60	10.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.5		1.40	5.00	ug/L
98-86-2	Acetophenone	44.6		1.10	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.0		1.50	2.50	ug/L
67-72-1	Hexachloroethane	43.6		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.5		1.30	5.00	ug/L
78-59-1	Isophorone	45.0		1.10	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.8		1.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.2		1.10	5.00	ug/L
91-20-3	Naphthalene	43.3		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	28.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.3		1.30	5.00	ug/L
105-60-2	Caprolactam	43.8		1.70	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.3		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
92-52-4	1,1-Biphenyl	46.3		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.2		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.8		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.9		0.93	5.00	ug/L
208-96-8	Acenaphthylene	49.9		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.6		1.20	5.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BSD	SDG No.:	P3845
Lab Sample ID:	PB163318BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047569.D	1	09/12/24 08:40	09/19/24 13:54	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	36.8		1.40	5.00	ug/L
83-32-9	Acenaphthene	50.9		0.81	5.00	ug/L
132-64-9	Dibenzofuran	45.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	45.7		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.9		0.98	5.00	ug/L
86-73-7	Fluorene	44.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.5		2.00	5.00	ug/L
86-30-6	n-Nitrosodiphenylamine	48.8		0.89	5.00	ug/L
103-33-3	Azobenzene	47.6		1.20	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.8		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	45.1		1.10	5.00	ug/L
1912-24-9	Atrazine	52.1		1.30	5.00	ug/L
85-01-8	Phenanthrene	47.1		0.89	5.00	ug/L
120-12-7	Anthracene	49.5		1.10	5.00	ug/L
86-74-8	Carbazole	46.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	49.8		1.50	5.00	ug/L
206-44-0	Fluoranthene	44.0		1.30	5.00	ug/L
92-87-5	Benzidine	88.5	E	4.10	10.0	ug/L
129-00-0	Pyrene	48.3		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	56.2		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	51.4		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	49.1		0.94	5.00	ug/L
218-01-9	Chrysene	48.6		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.5		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	61.0		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.1		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	48.0		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.4		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	63.6		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	63.0		1.20	5.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163318BSD	SDG No.:	P3845
Lab Sample ID:	PB163318BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047569.D	1	09/12/24 08:40	09/19/24 13:54	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	59.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.7		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	39.0		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	39.5		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	153		10 - 139	102%	SPK: 150
13127-88-3	Phenol-d6	139		10 - 134	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.5		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.9		52 - 132	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	113		48 - 125	113%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	313000	7.845			
1146-65-2	Naphthalene-d8	1210000	10.639			
15067-26-2	Acenaphthene-d10	613000	14.474			
1517-22-2	Phenanthrene-d10	1050000	17.21			
1719-03-5	Chrysene-d12	836000	21.433			
1520-96-3	Perylene-d12	807000	24.456			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
 Data File : BM047569.D
 Acq On : 19 Sep 2024 13:54
 Operator : RC/JU
 Sample : PB163318BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB163318BSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

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

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

Instrument :
 BNA_M
 ClientSampleId :
 PB163318BSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.975	196	558681	47.566	ng	99
46) 1,1'-Biphenyl	13.310	154	2211954	46.347	ng	100
47) 2-Chloronaphthalene	13.351	162	1676373	45.236	ng	99
48) 2-Nitroaniline	13.545	65	541845	49.780	ng	99
49) Acenaphthylene	14.192	152	2666450	49.861	ng	99
50) Dimethylphthalate	13.927	163	1918542	45.889	ng	99
51) 2,6-Dinitrotoluene	14.039	165	393353	44.568	ng	93
52) Acenaphthene	14.539	154	1907981m	50.920	ng	
53) 3-Nitroaniline	14.369	138	361244	36.824	ng	96
54) 2,4-Dinitrophenol	14.569	184	413034	82.181	ng	99
55) Dibenzofuran	14.869	168	2370535	45.021	ng	98
56) 4-Nitrophenol	14.674	139	855857	106.021	ng	97
57) 2,4-Dinitrotoluene	14.822	165	541137	45.972	ng	97
58) Fluorene	15.516	166	2088643	44.059	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	424887	46.398	ng	95
60) Diethylphthalate	15.292	149	2032402	45.676	ng	99
61) 4-Chlorophenyl-phenyle...	15.516	204	907298	41.858	ng	99
62) 4-Nitroaniline	15.521	138	501117	43.457	ng	97
63) Azobenzene	15.804	77	2330821	47.573	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	236745	44.877	ng	96
66) n-Nitrosodiphenylamine	15.721	169	1565272	48.797	ng	99
67) 4-Bromophenyl-phenylether	16.404	248	456056	44.762	ng	98
68) Hexachlorobenzene	16.521	284	520321	45.080	ng	99
69) Atrazine	16.668	200	461837	52.091	ng	99
70) Pentachlorophenol	16.857	266	708658	105.917	ng	99
71) Phenanthrene	17.251	178	2723635	47.134	ng	100
72) Anthracene	17.339	178	2748272	49.502	ng	99
73) Carbazole	17.604	167	2574886	46.799	ng	99
74) Di-n-butylphthalate	18.180	149	3281482	49.847	ng	99
75) Fluoranthene	19.256	202	2772764	43.979	ng	97
77) Benzidine	19.439	184	1041881	88.491	ng	99
78) Pyrene	19.621	202	2942597	48.256	ng	99
80) Butylbenzylphthalate	20.515	149	1320356	56.247	ng	96
81) Benzo(a)anthracene	21.415	228	2675714	49.105	ng	99
82) 3,3'-Dichlorobenzidine	21.333	252	744323	51.351	ng	# 97
83) Chrysene	21.474	228	2502737	48.559	ng	99
84) Bis(2-ethylhexyl)phtha...	21.345	149	2039617	55.465	ng	98
85) Di-n-octyl phthalate	22.492	149	3174143	61.023	ng	98
87) Indeno(1,2,3-cd)pyrene	27.885	276	3072358	63.640	ng	98
88) Benzo(b)fluoranthene	23.503	252	2406481	46.105	ng	98
89) Benzo(k)fluoranthene	23.568	252	2482785	47.996	ng	99
90) Benzo(a)pyrene	24.315	252	2282601	53.357	ng	98
91) Dibenzo(a,h)anthracene	27.938	278	2557213	62.958	ng	99
92) Benzo(g,h,i)perylene	28.950	276	2340478	58.988	ng	99

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

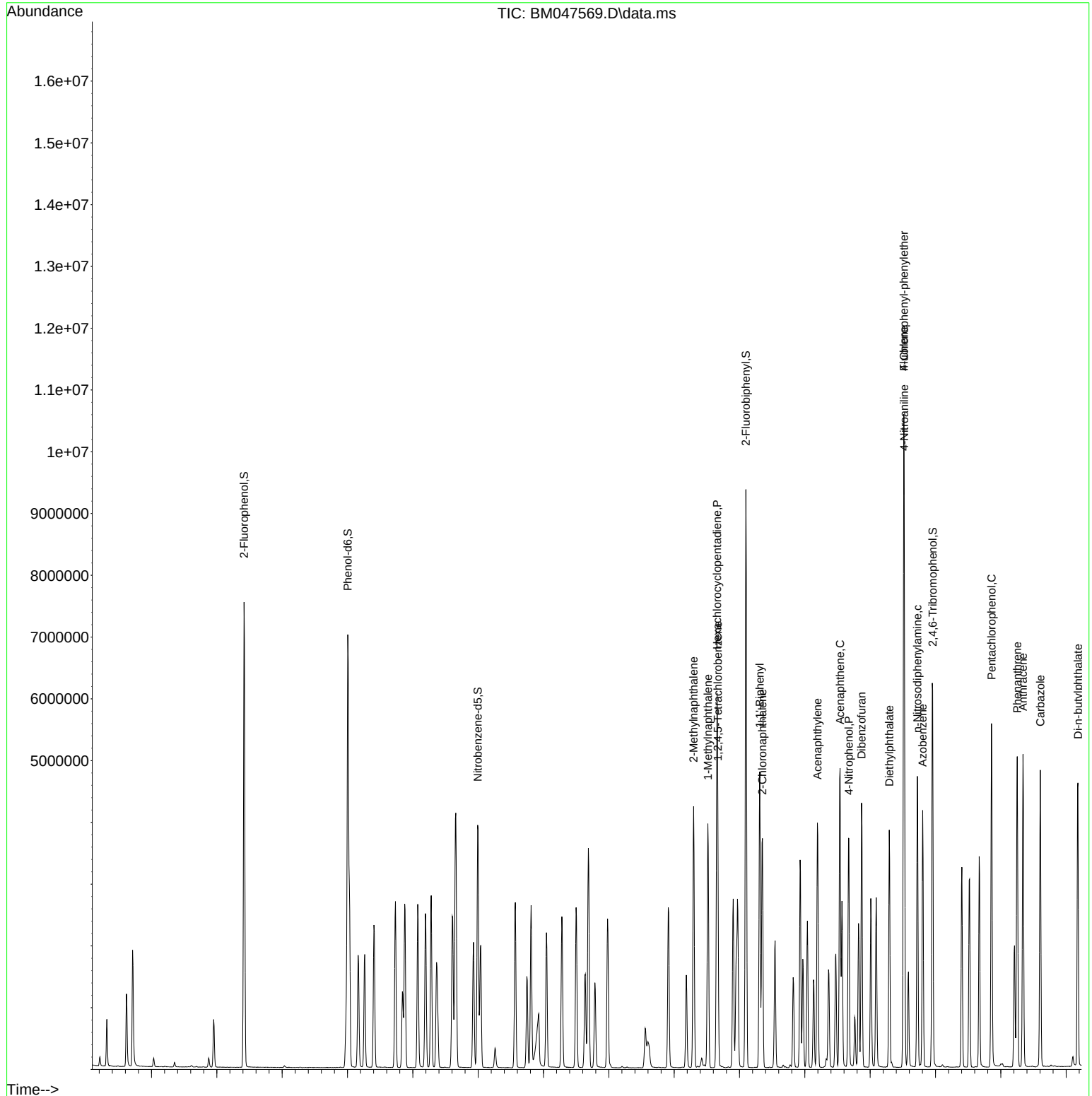
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

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

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



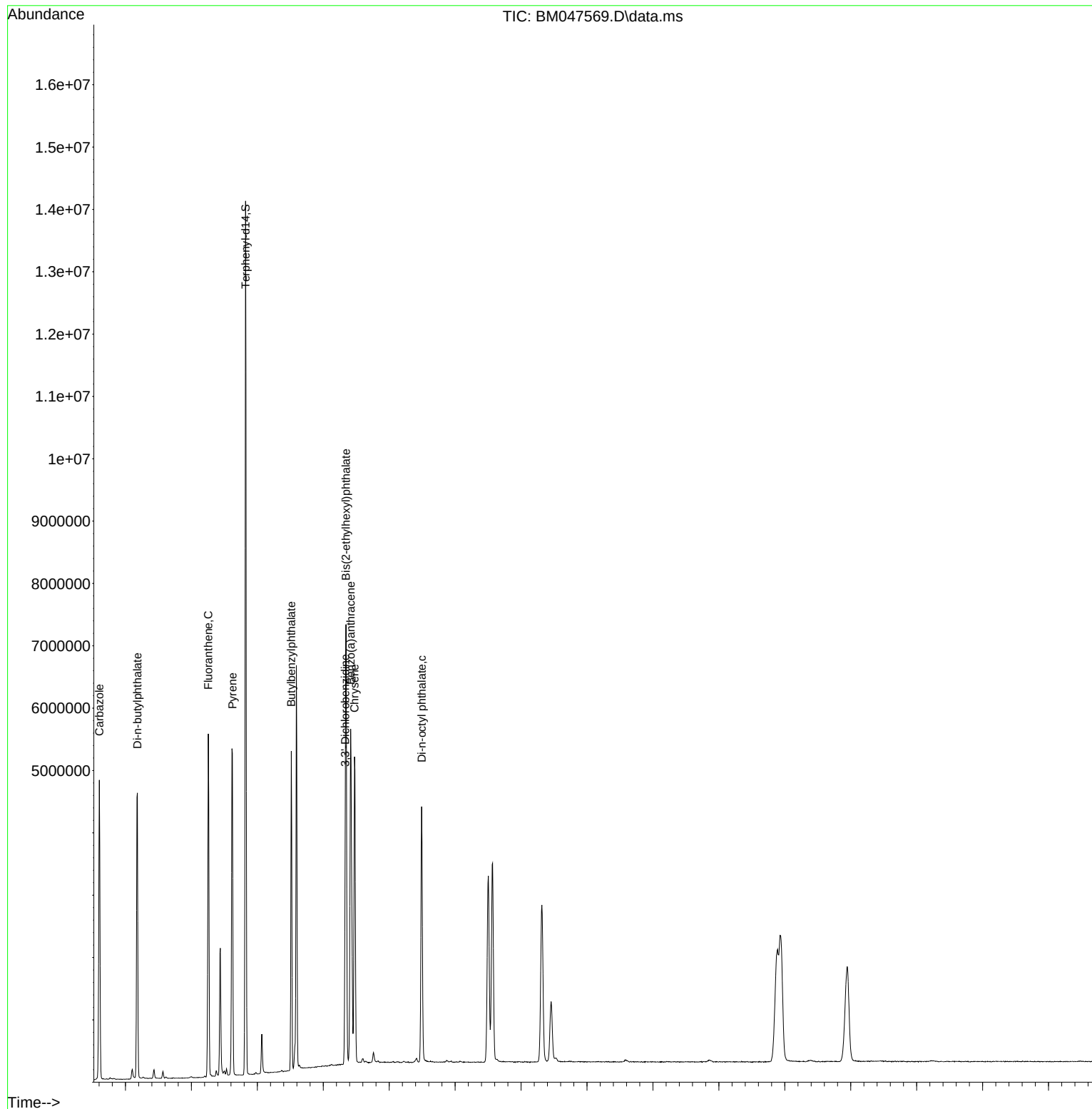
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

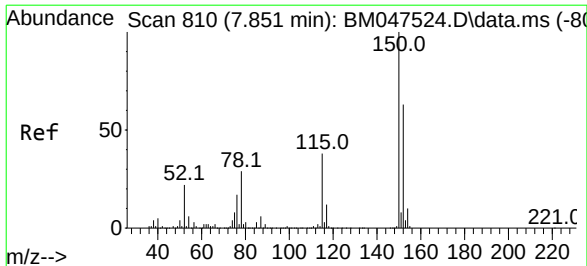
Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

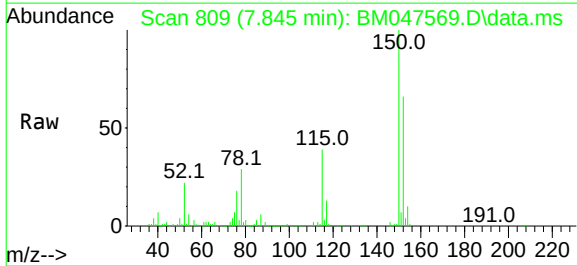
Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration





#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

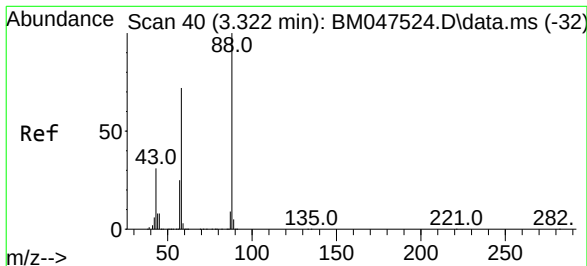
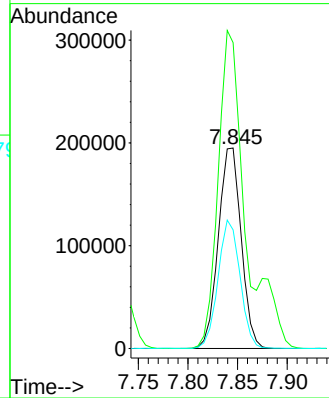
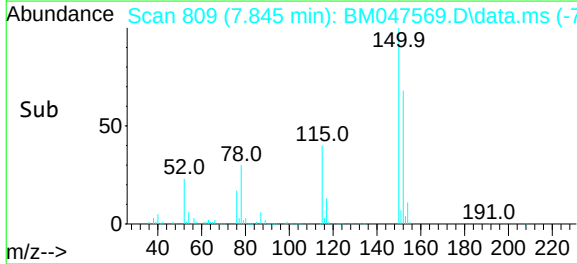
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

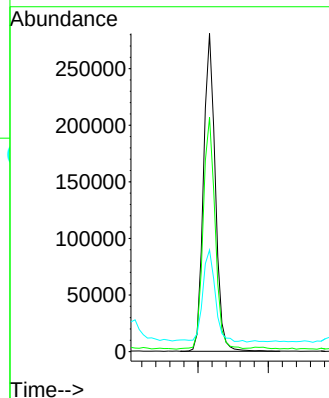
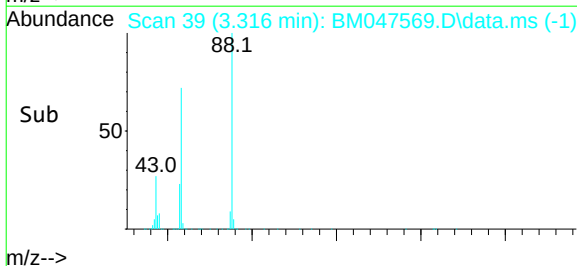
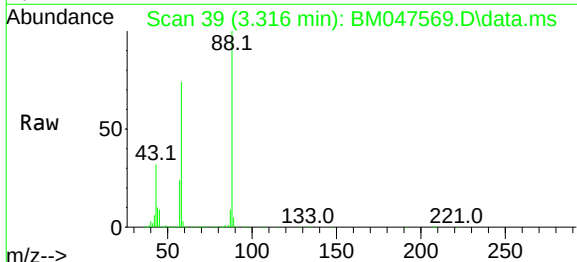
Manual Integrations
APPROVED

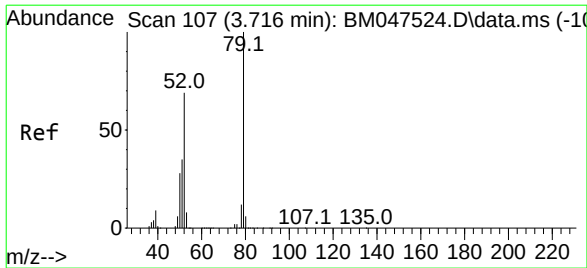
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

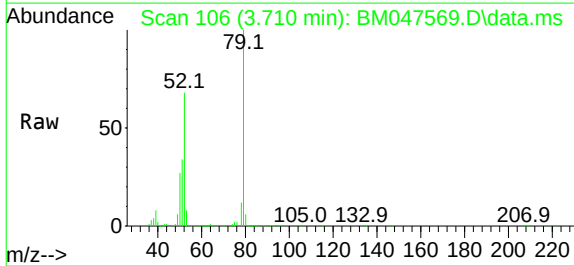
Tgt Ion: 88 Resp: 327657
Ion Ratio Lower Upper
88 100
58 74.0 59.0 88.6
43 29.6 25.0 37.4





#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

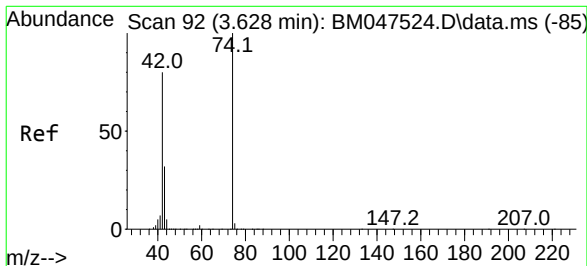
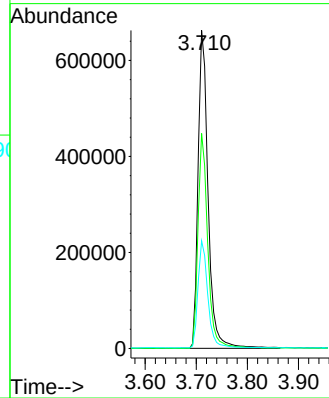
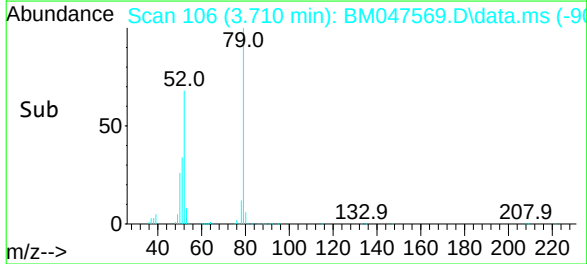
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



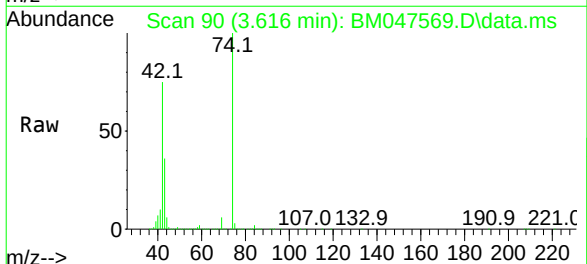
Tgt Ion: 79 Resp: 903337
Ion Ratio Lower Upper
79 100
52 67.6 55.4 83.0
51 33.9 27.9 41.9

Manual Integrations
APPROVED

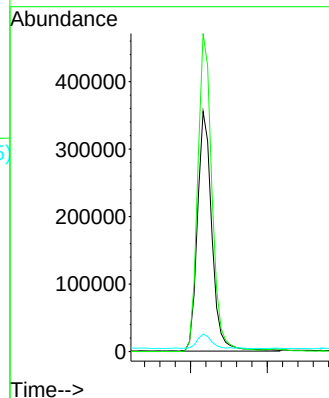
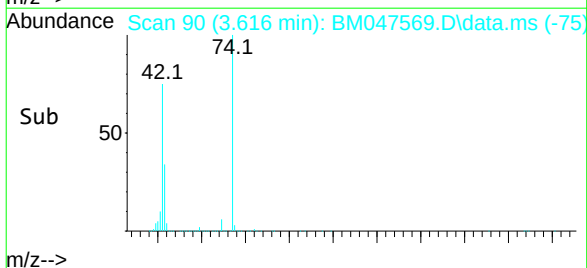
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

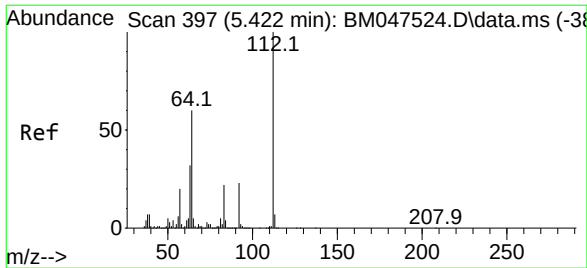


#4
n-Nitrosodimethylamine
Concen: 40.797 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54



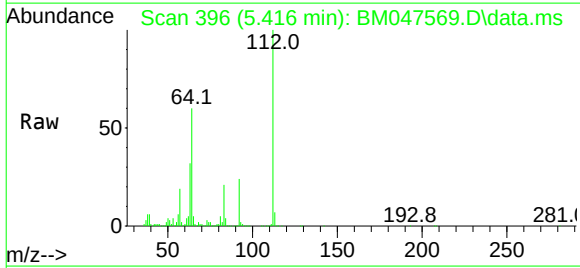
Tgt Ion: 42 Resp: 463407
Ion Ratio Lower Upper
42 100
74 132.5 100.5 150.7
44 7.3 6.9 10.3





#5
2-Fluorophenol
Concen: 152.849 ng
RT: 5.416 min Scan# 397
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

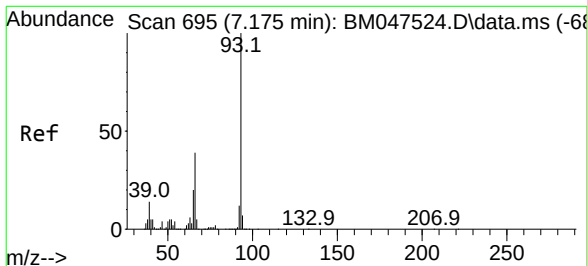
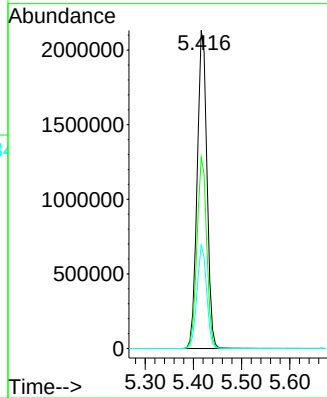
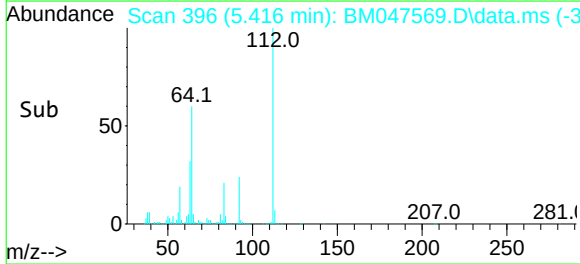
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

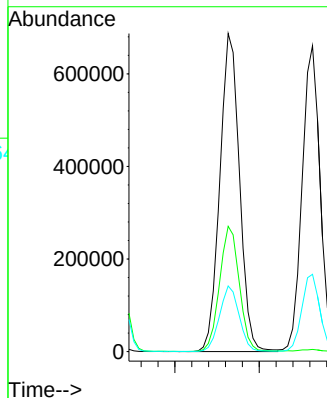
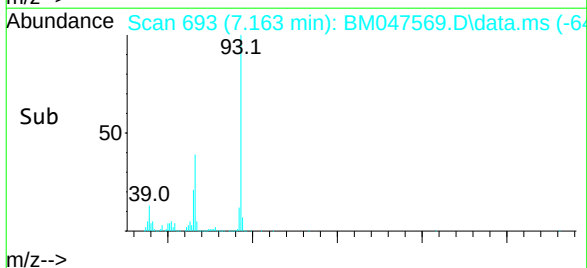
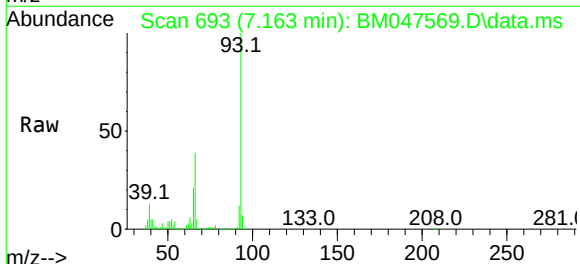
Manual Integrations
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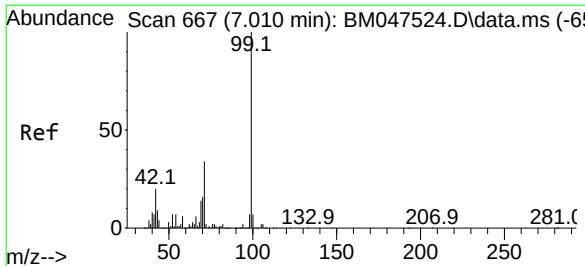
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

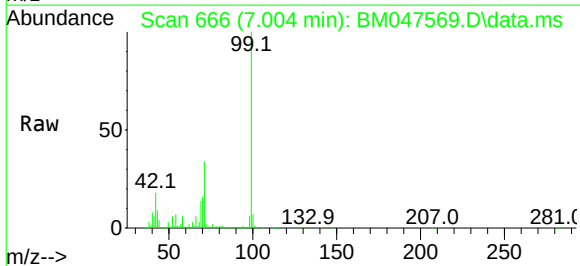
Tgt Ion: 93 Resp: 1114446
Ion Ratio Lower Upper
93 100
66 39.4 31.4 47.0
65 20.6 16.3 24.5





#7
Phenol-d6
Concen: 138.530 ng
RT: 7.004 min Scan# 667
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

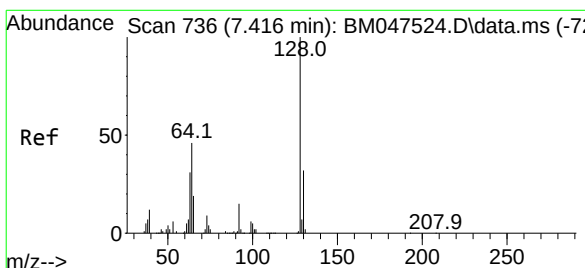
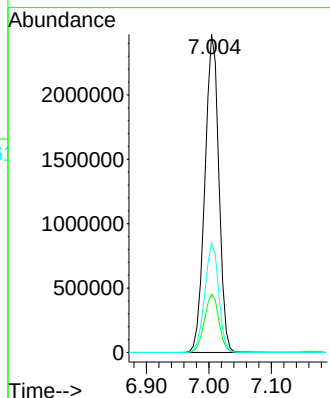
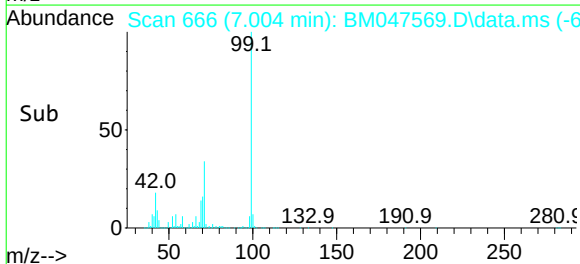
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

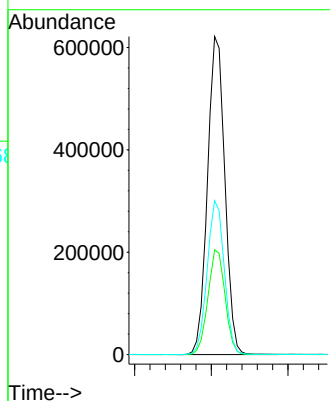
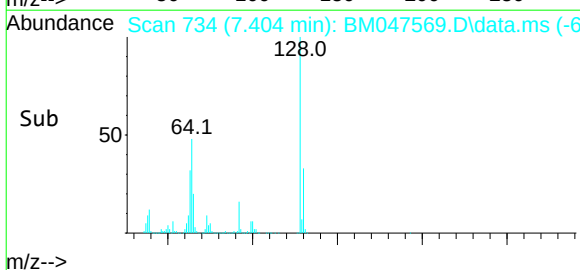
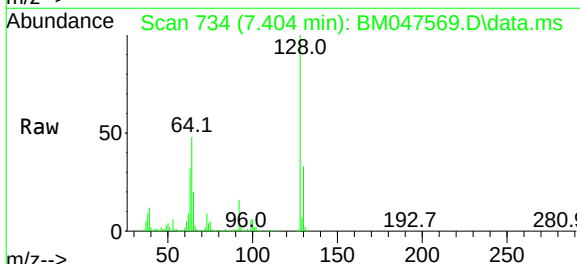
Manual Integrations
APPROVED

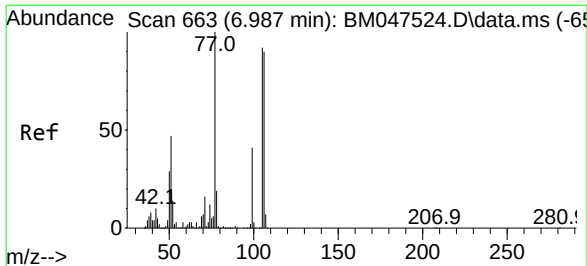
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 661

Delta R.T. -0.012 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

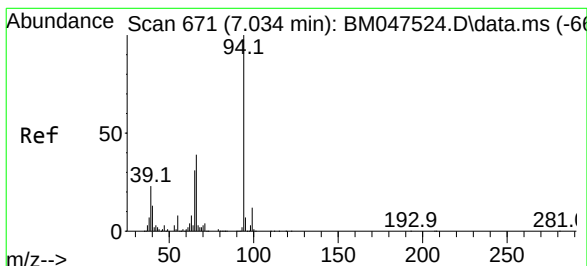
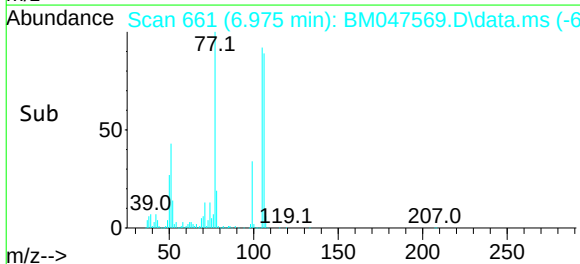
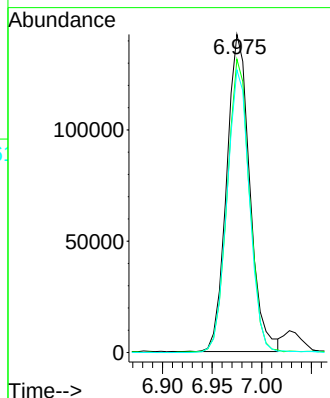
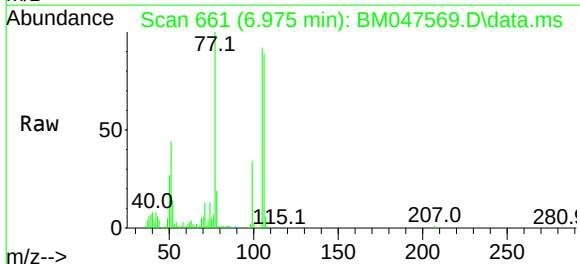
PB163318BSD

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#10

Phenol

Concen: 45.581 ng

RT: 7.034 min Scan# 671

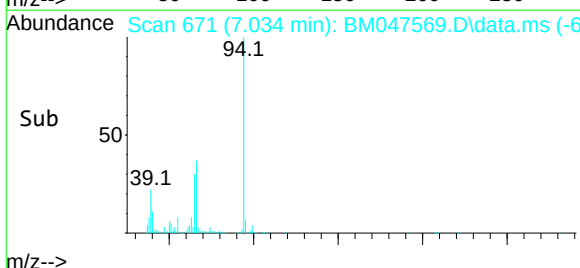
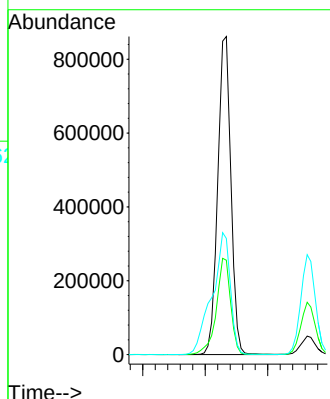
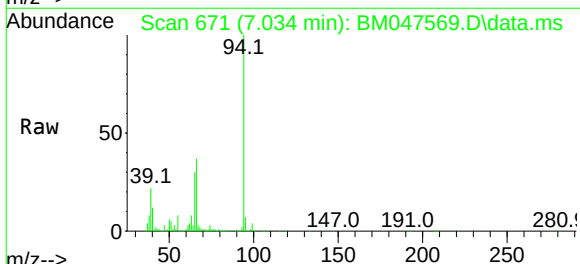
Delta R.T. 0.000 min

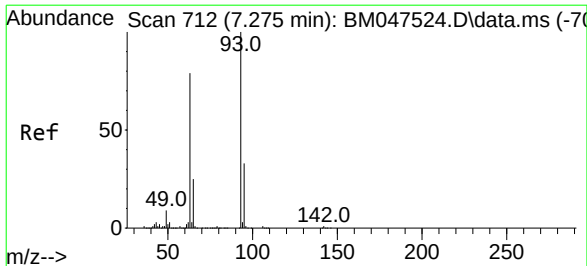
Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Tgt Ion: 94 Resp: 1262093

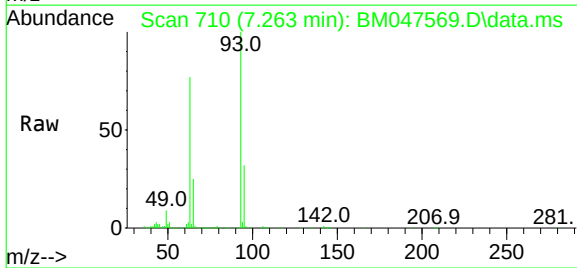
Ion	Ratio	Lower	Upper
94	100		
65	29.7	10.8	50.8
66	36.5	19.2	59.2





#11
bis(2-Chloroethyl)ether
Concen: 43.696 ng
RT: 7.263 min Scan# 711
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

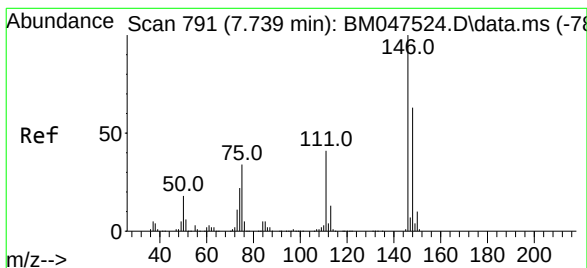
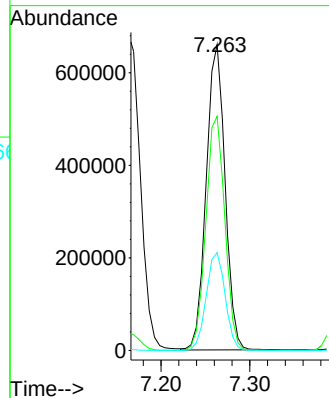
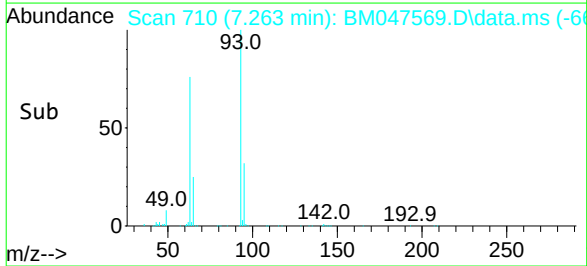
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



Tgt Ion: 93 Resp: 971343
Ion Ratio Lower Upper
93 100
63 76.6 58.2 98.2
95 32.0 12.8 52.8

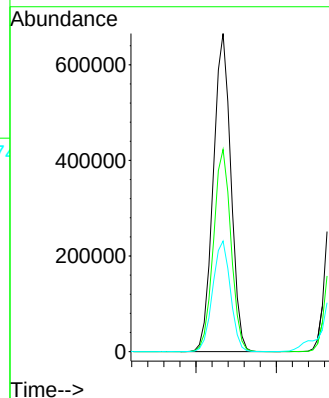
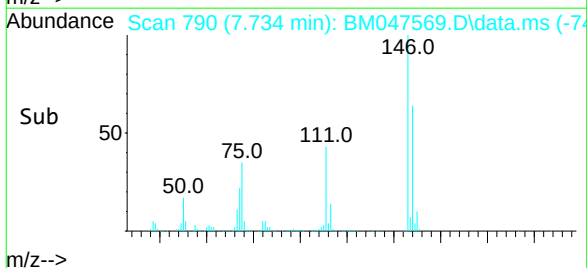
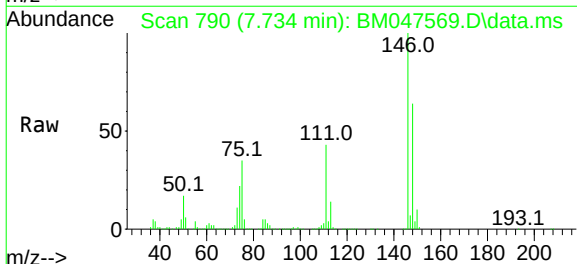
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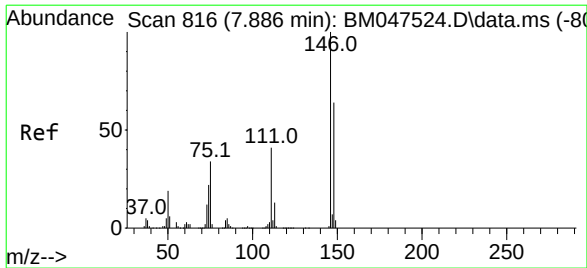
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

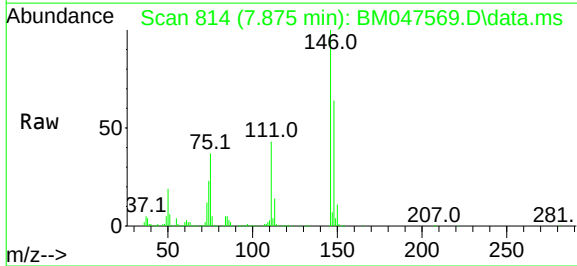
Tgt Ion:146 Resp: 1012115
Ion Ratio Lower Upper
146 100
148 63.6 50.2 75.4
75 34.8 27.4 41.0





#13
1,4-Dichlorobenzene
Concen: 42.141 ng
RT: 7.875 min Scan# 816
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

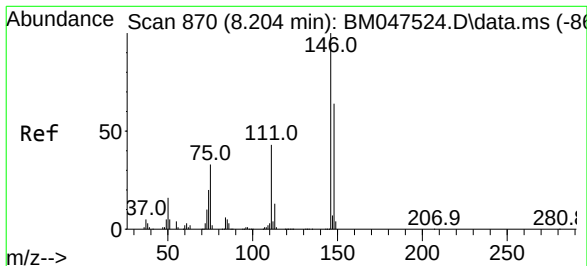
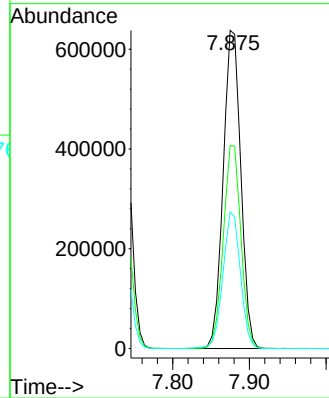
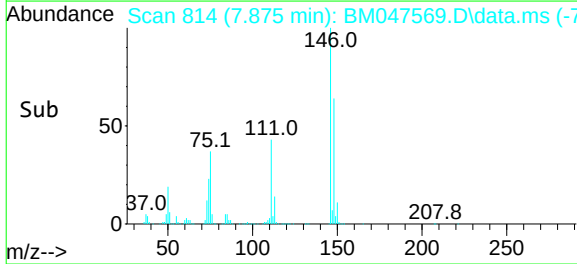
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

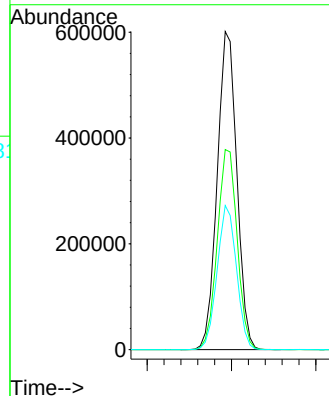
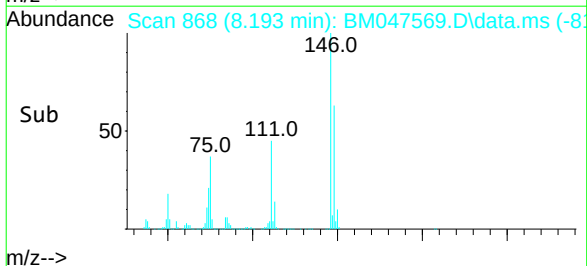
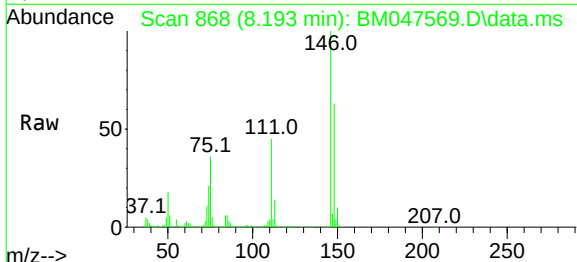
Manual Integrations
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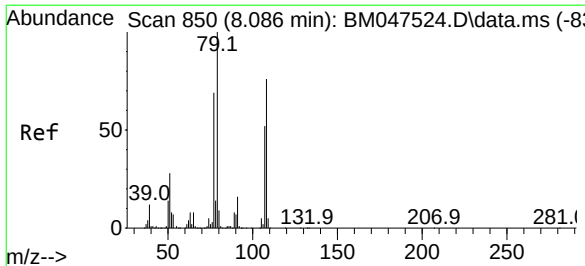
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion: 79 Resp: 850986

Ion Ratio Lower Upper

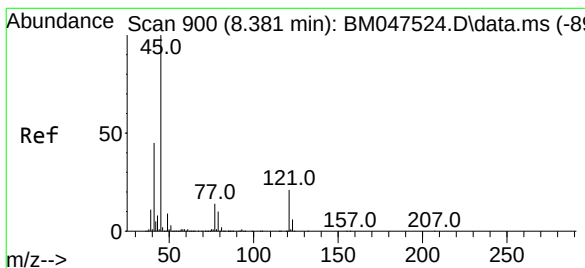
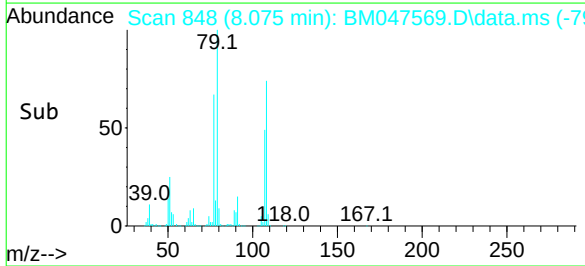
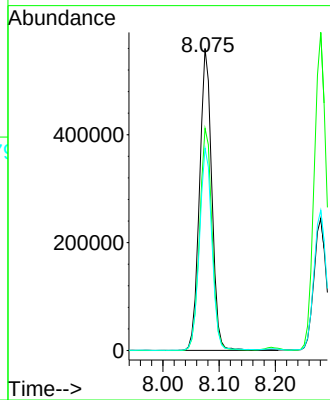
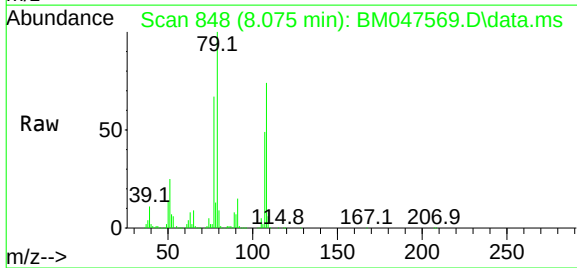
79 100

108 73.5 60.6 91.0

77 67.0 55.0 82.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

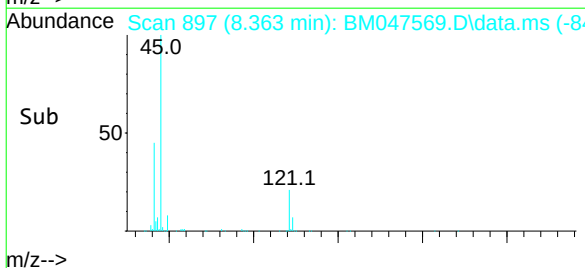
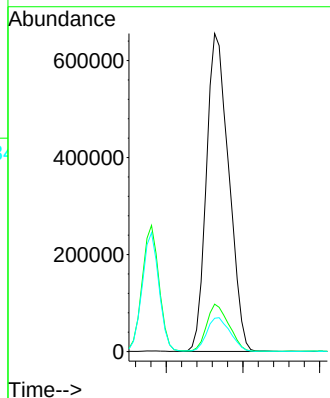
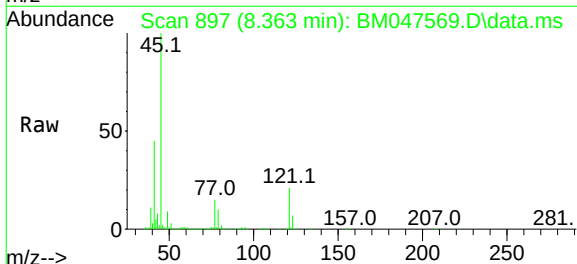
Tgt Ion: 45 Resp: 1329121

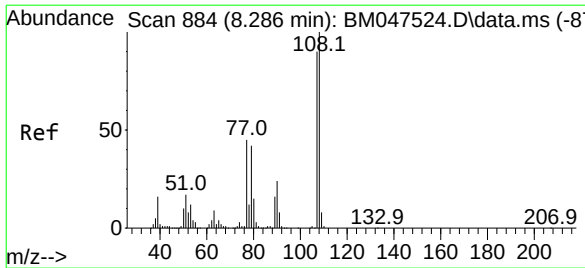
Ion Ratio Lower Upper

45 100

77 14.9 0.0 33.7

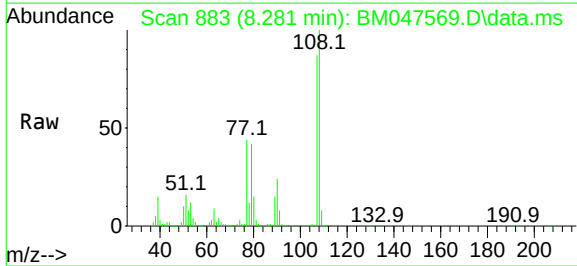
79 10.5 0.0 30.3





#17
2-Methylphenol
Concen: 44.429 ng
RT: 8.281 min Scan# 884
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

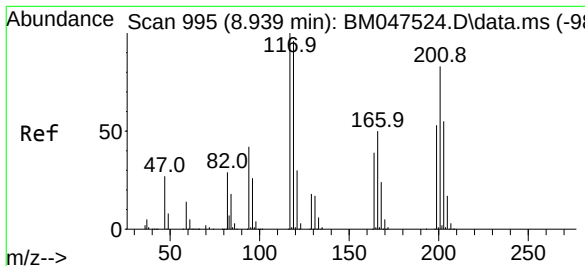
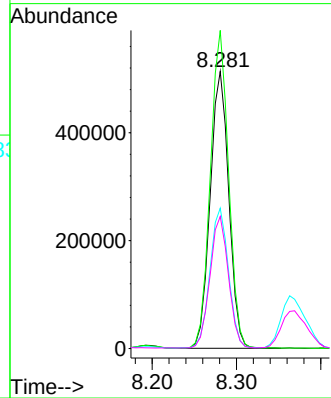
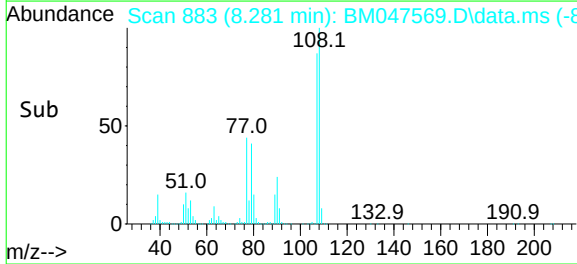
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



Tgt 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

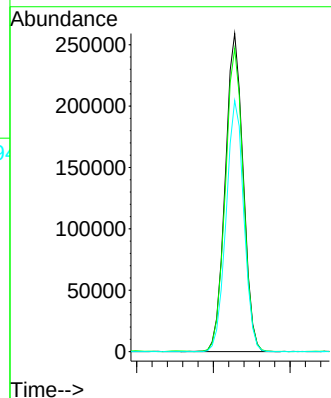
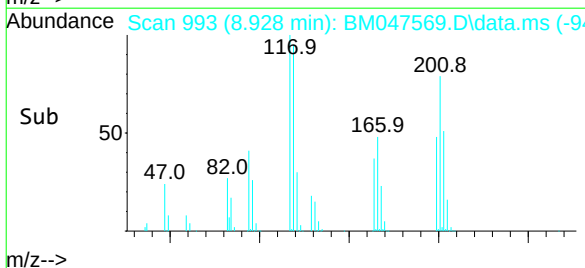
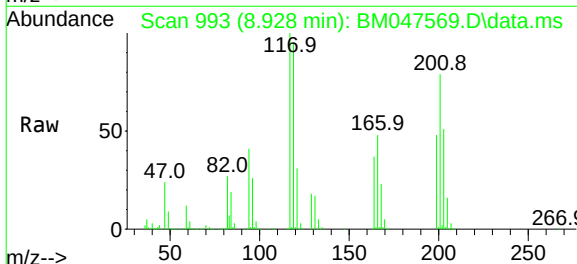
Manual Integrations
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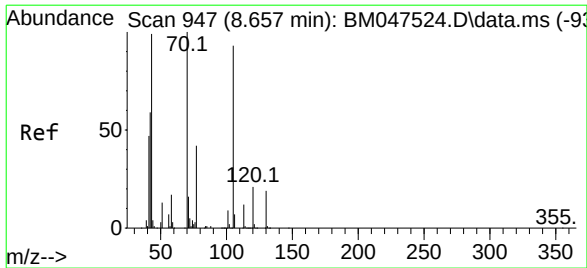
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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	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# 947

Delta R.T. -0.012 min

Lab File: BM047569.D

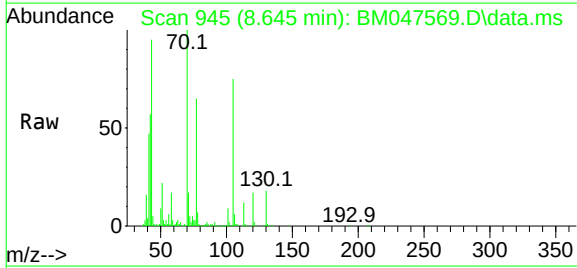
Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD



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

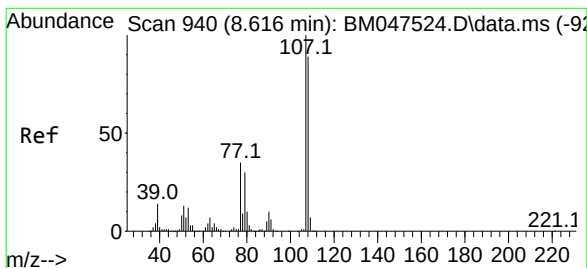
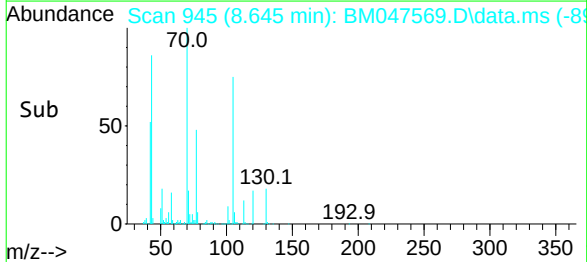
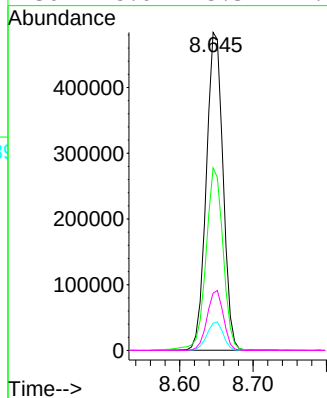
130 18.0 15.3 22.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

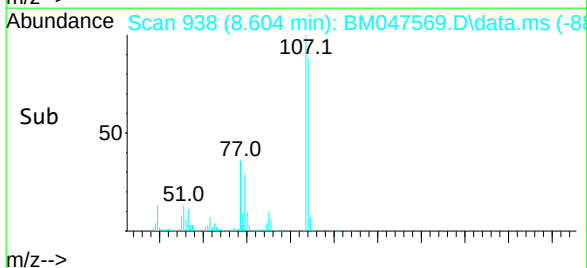
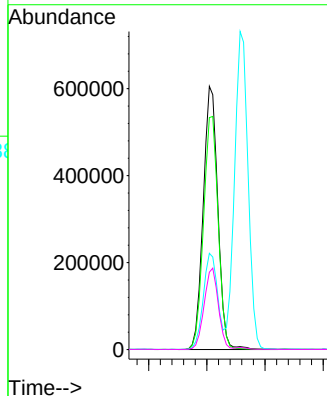
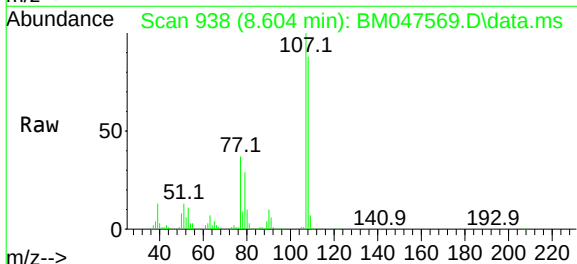
Ion Ratio Lower Upper

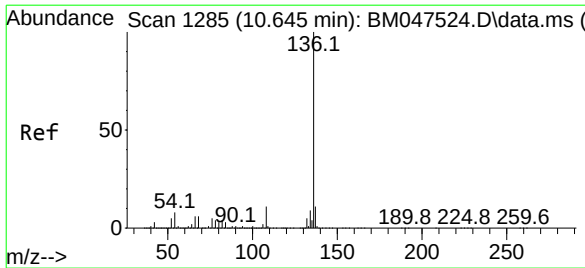
107 100

108 88.1 68.9 108.9

77 36.6 15.5 55.5

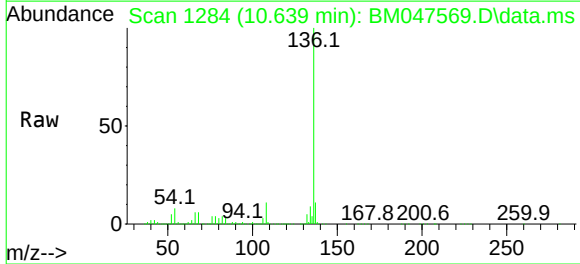
79 29.4 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

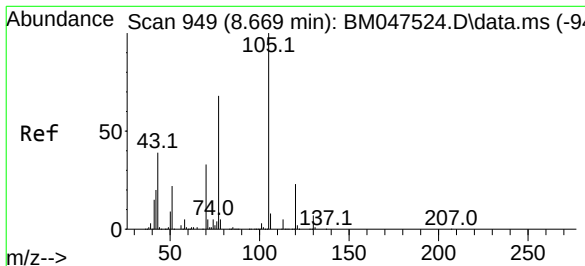
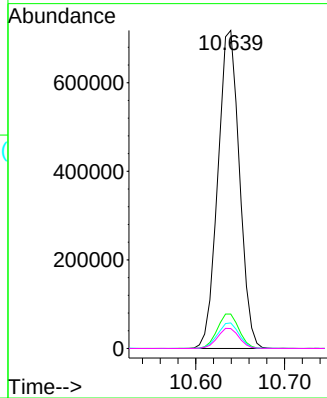
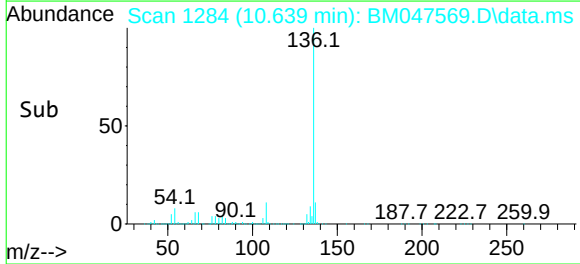
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



Tgt Ion:136 Resp: 1211917
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.0 6.6 9.8
68 6.3 4.9 7.3

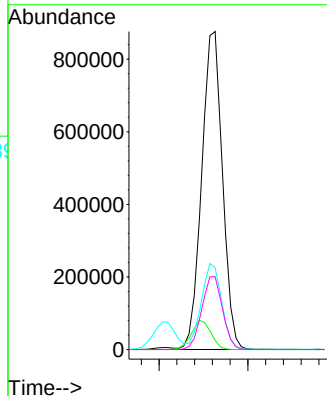
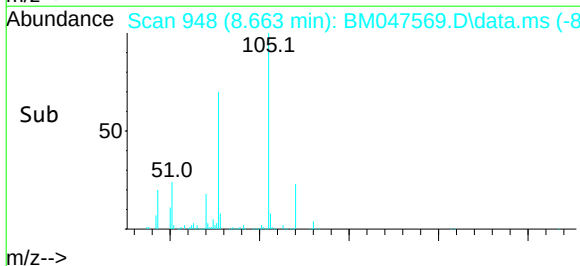
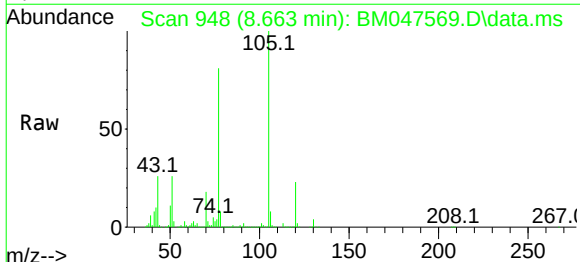
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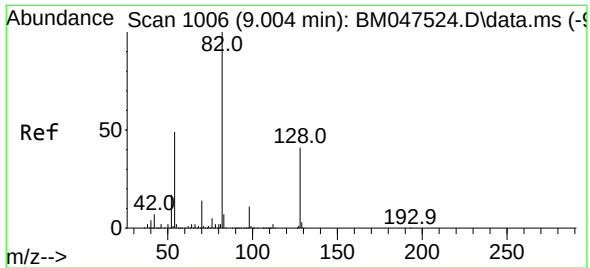
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion: 82 Resp: 2335679

Ion Ratio Lower Upper

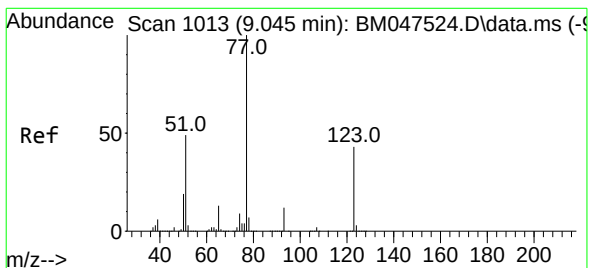
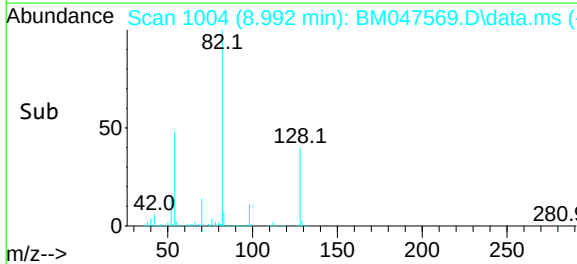
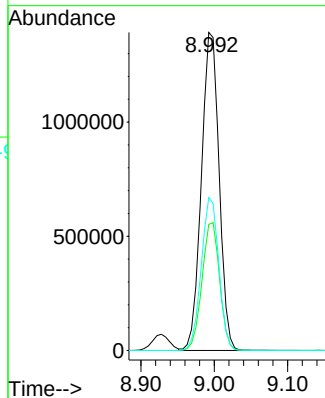
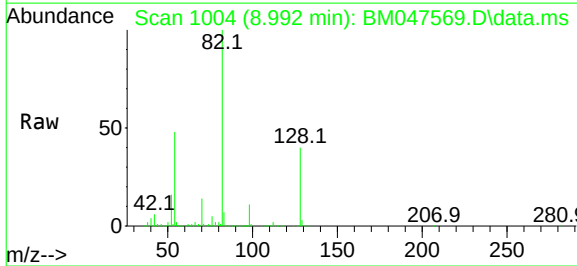
82 100

128 39.7 33.0 49.4

54 48.1 39.3 58.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

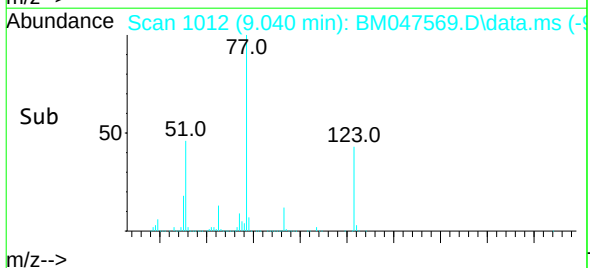
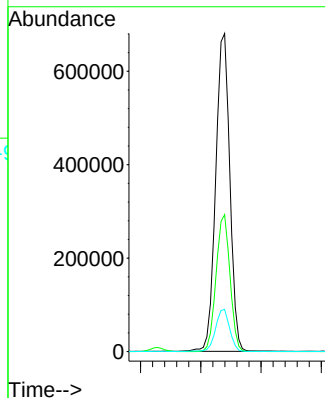
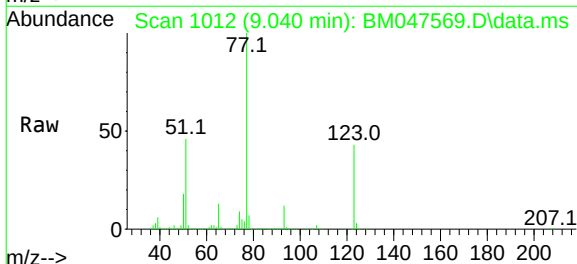
Tgt Ion: 77 Resp: 1108309

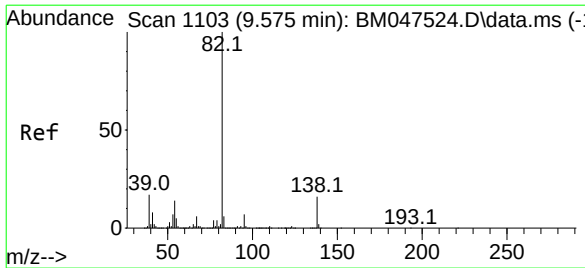
Ion Ratio Lower Upper

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# 1103

Delta R.T. -0.006 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion: 82 Resp: 1913866

Ion Ratio Lower Upper

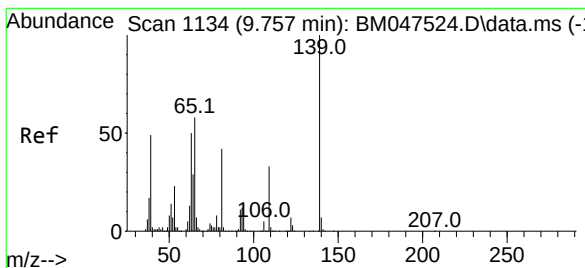
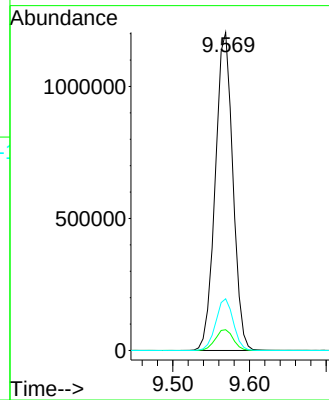
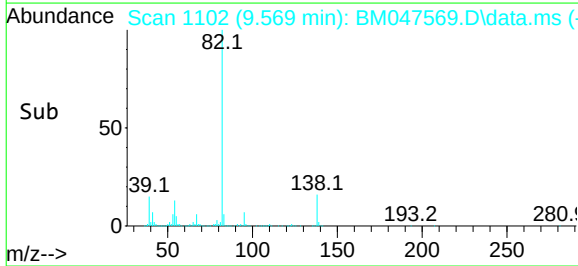
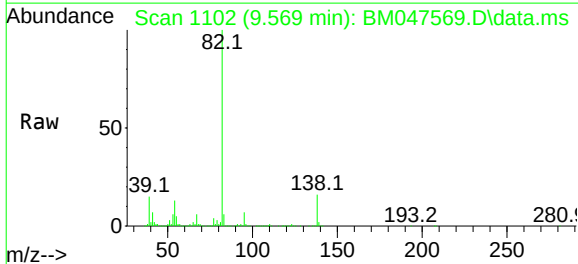
82 100

95 6.5 5.4 8.0

138 16.3 12.9 19.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

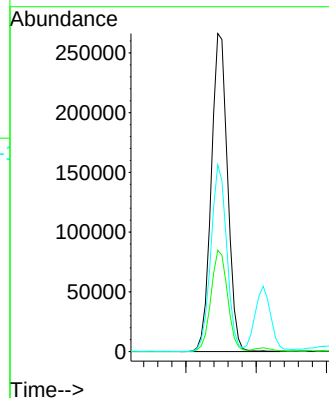
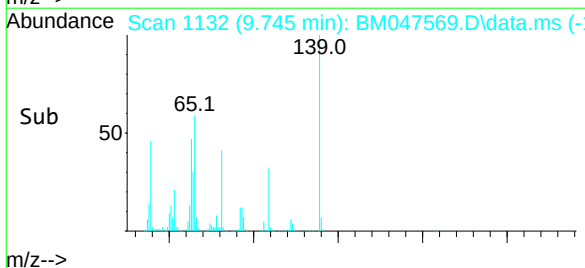
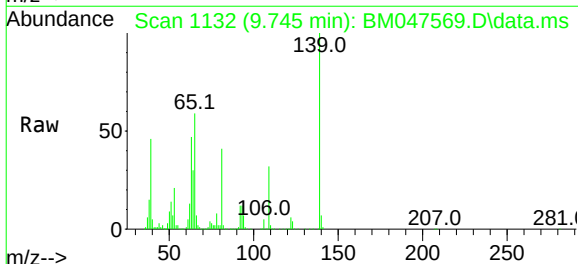
Tgt Ion:139 Resp: 429354

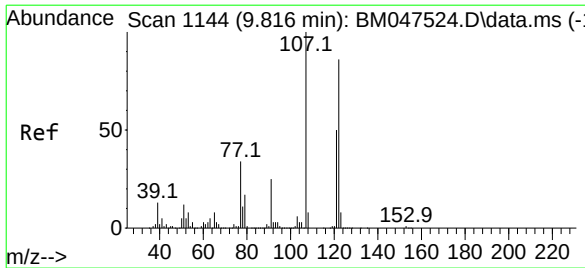
Ion Ratio Lower Upper

139 100

109 31.8 26.0 39.0

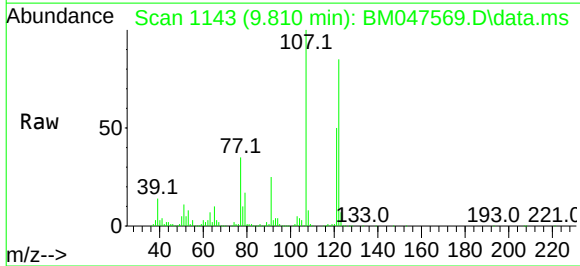
65 58.8 46.2 69.4





#27
2,4-Dimethylphenol
Concen: 57.544 ng
RT: 9.810 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

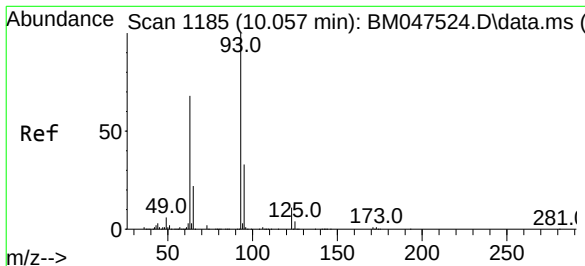
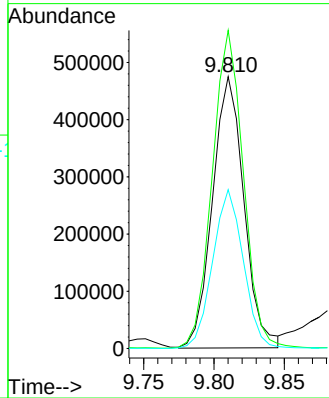
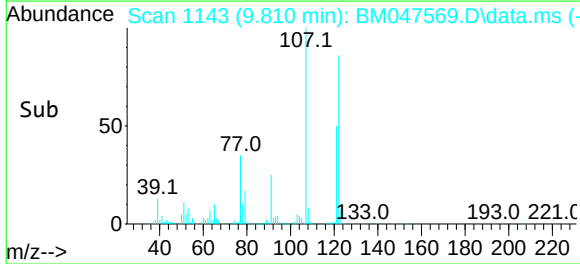
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

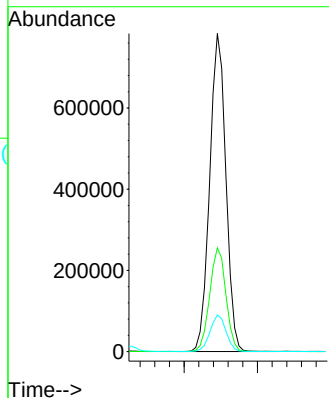
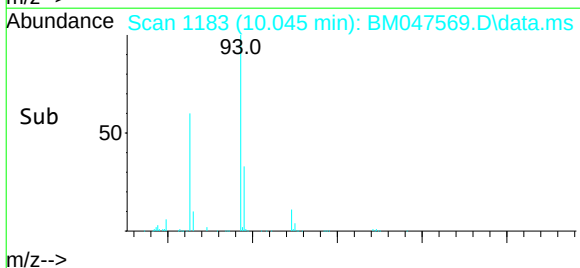
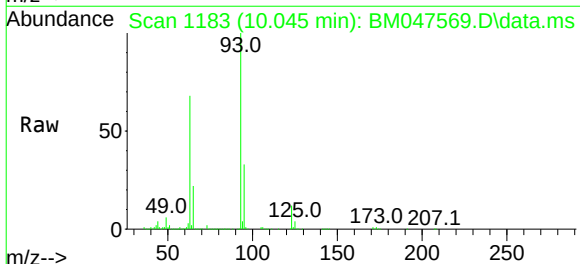
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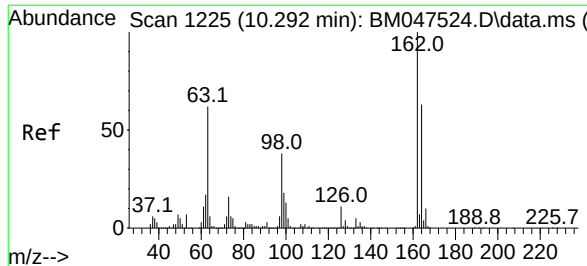
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 1225

Delta R.T. -0.012 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:162 Resp: 765581

Ion Ratio Lower Upper

162 100

164 63.5 43.5 83.5

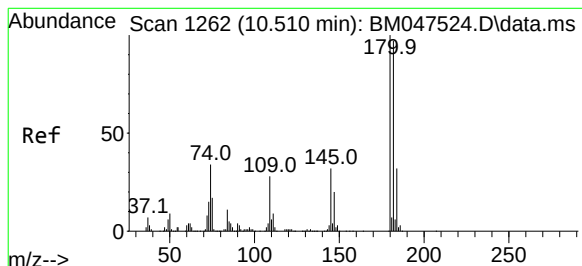
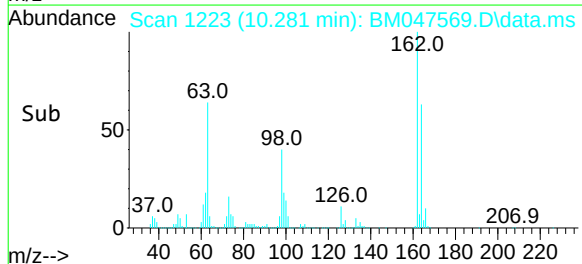
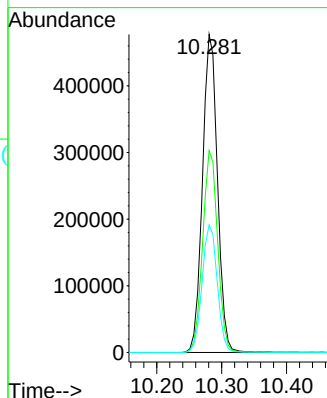
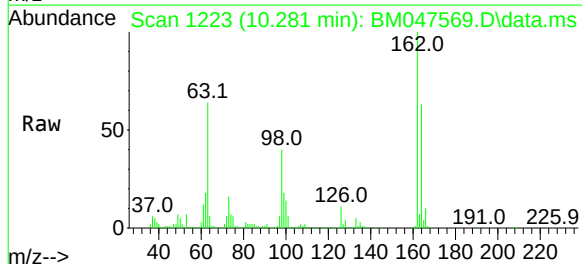
98 40.1 17.6 57.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

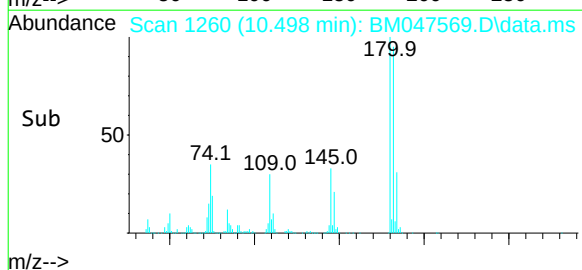
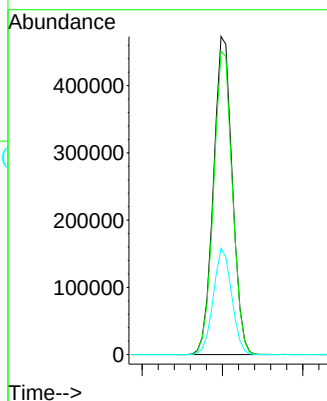
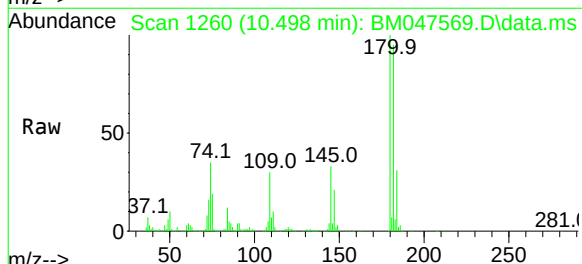
Tgt Ion:180 Resp: 770321

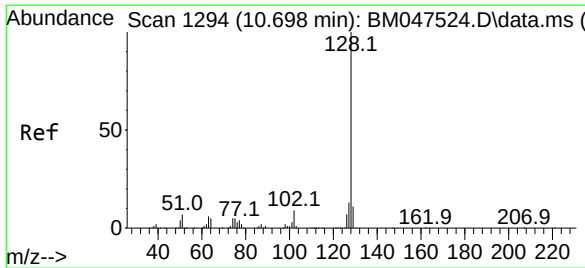
Ion Ratio Lower Upper

180 100

182 95.4 77.6 116.4

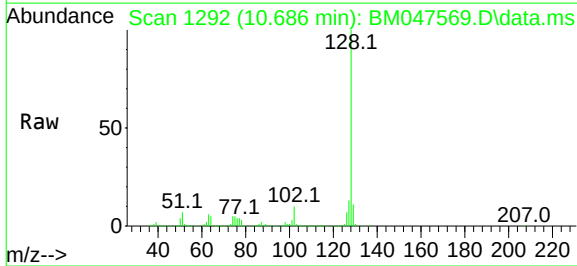
145 33.4 25.4 38.0





#31
Naphthalene
Concen: 43.348 ng
RT: 10.686 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

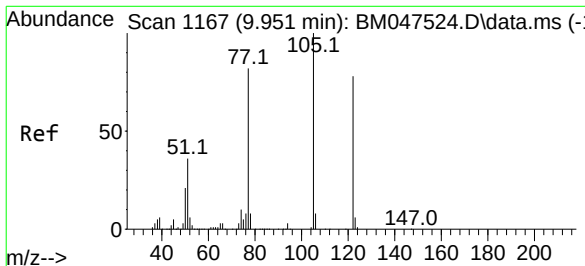
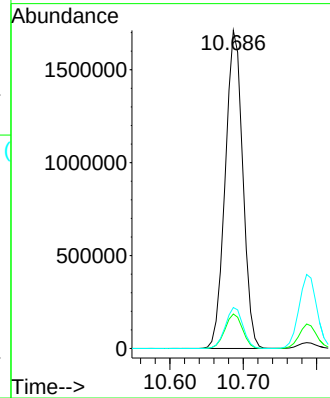
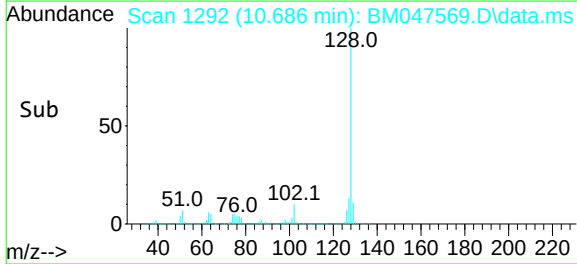
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

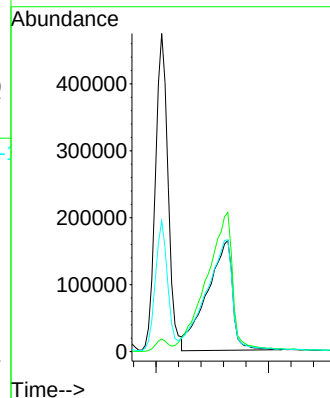
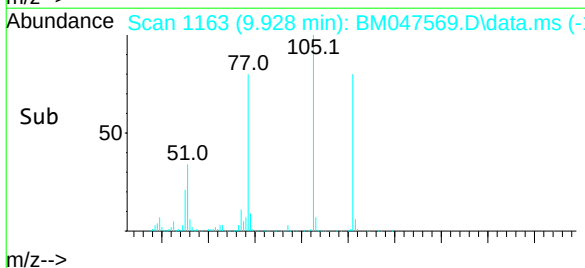
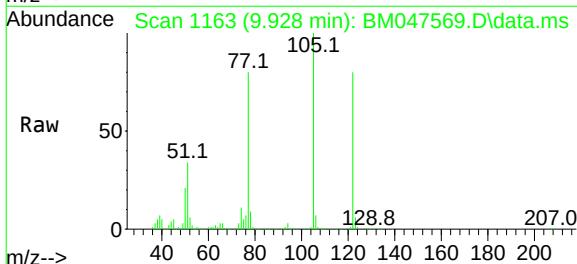
Manual Integrations
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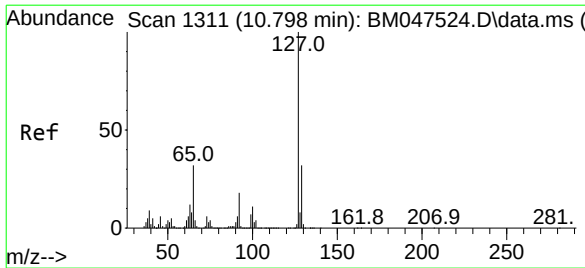
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#32
Benzoic acid
Concen: 41.966 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

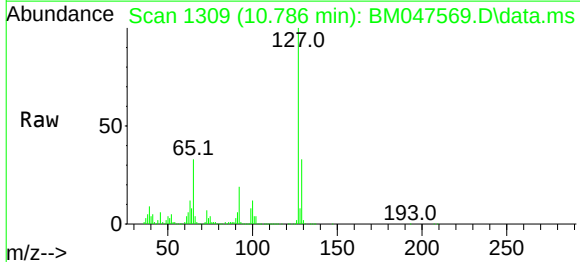
Tgt Ion:122 Resp: 519346
Ion Ratio Lower Upper
122 100
105 125.2 104.7 144.7
77 100.5 83.4 123.4





#33
4-Chloroaniline
Concen: 28.759 ng
RT: 10.786 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

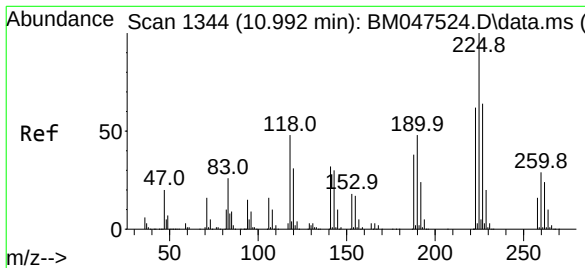
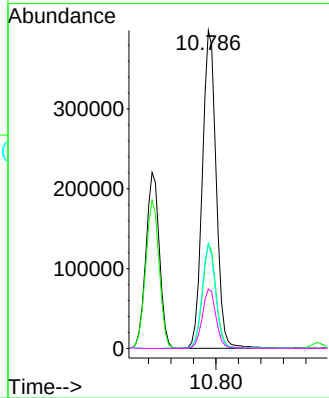
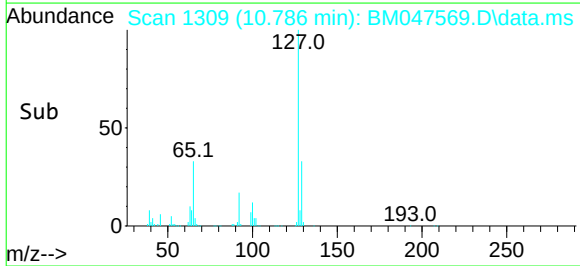
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



Tgt 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

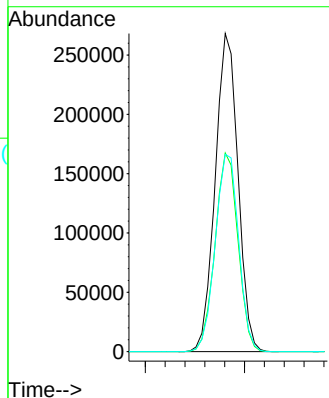
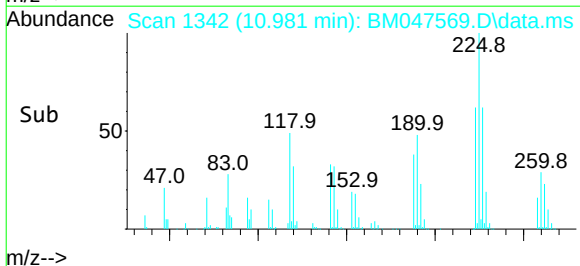
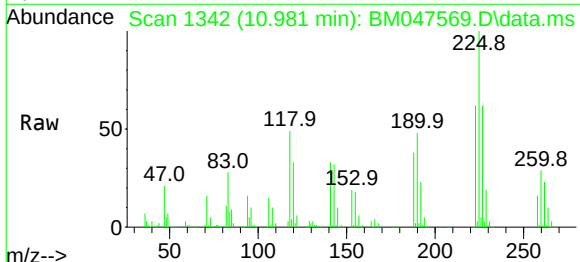
Manual Integrations
APPROVED

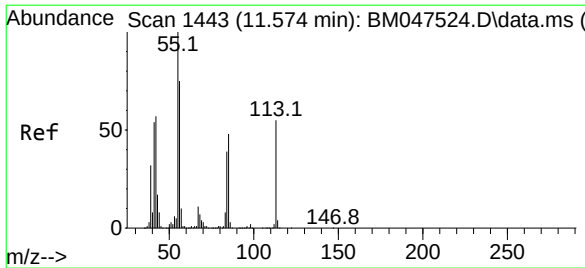
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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	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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:113 Resp: 235553

Ion Ratio Lower Upper

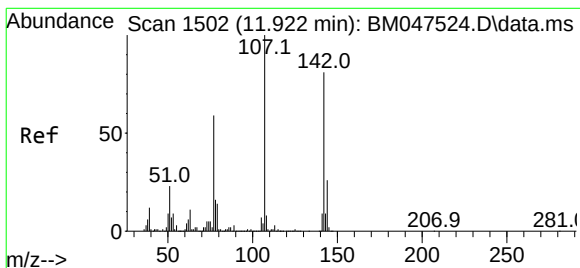
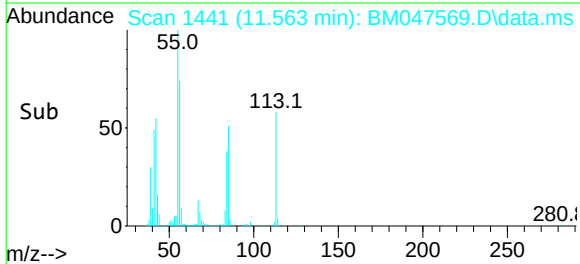
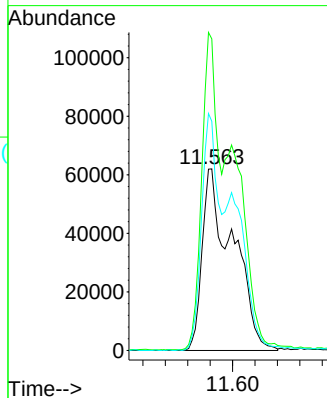
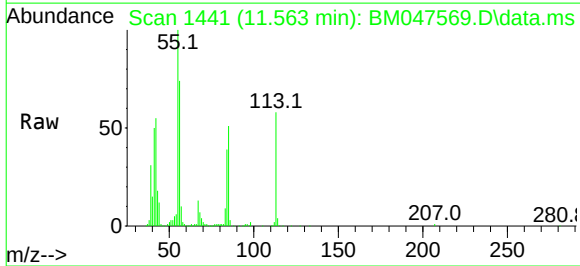
113 100

55 171.6 162.5 202.5

56 126.1 116.5 156.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

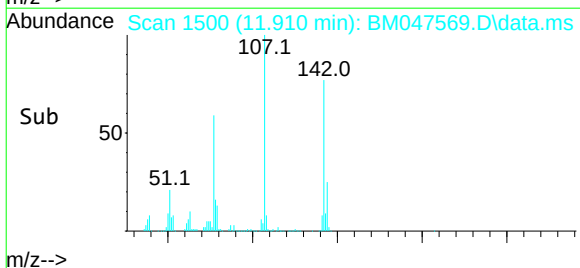
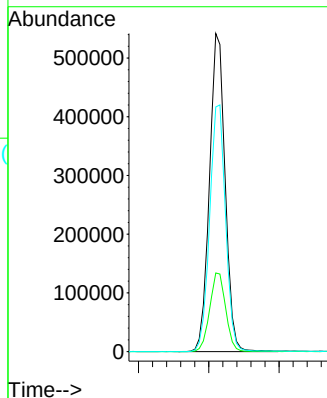
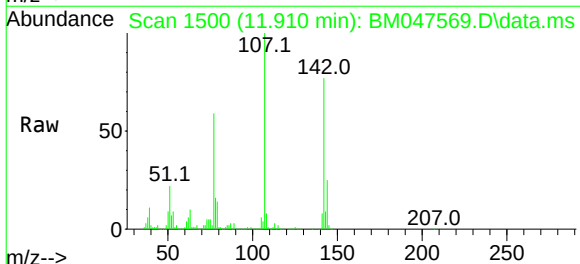
Tgt Ion:107 Resp: 837721

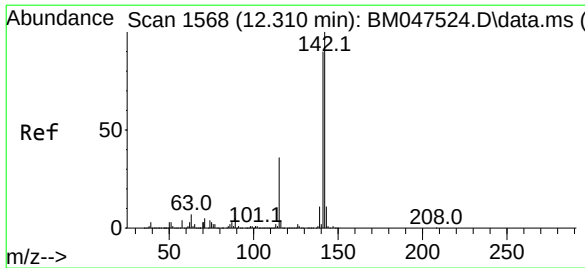
Ion Ratio Lower Upper

107 100

144 24.7 20.5 30.7

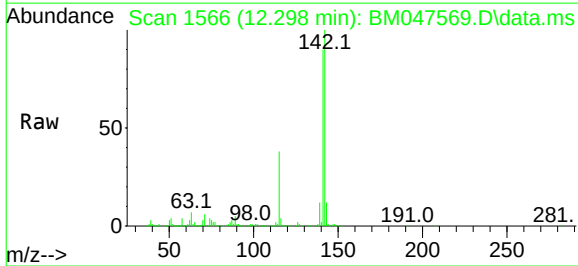
142 76.9 65.0 97.4





#37
2-Methylnaphthalene
Concen: 42.299 ng
RT: 12.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

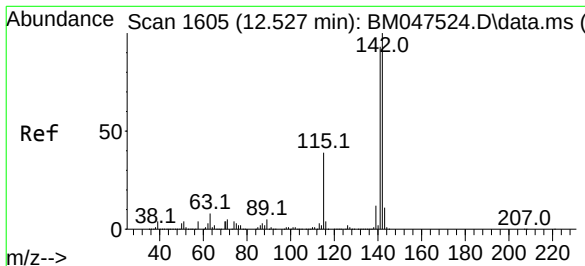
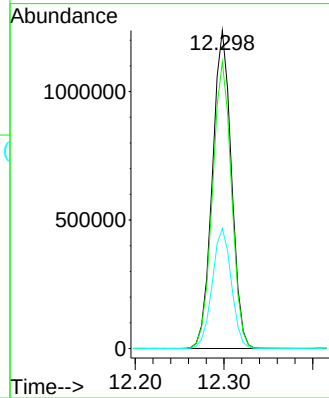
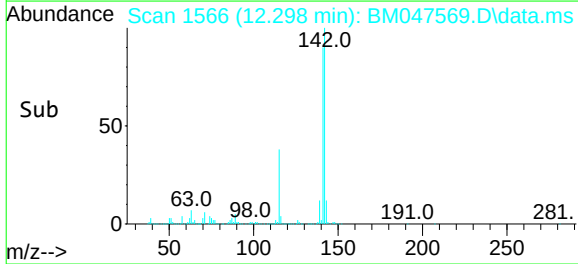
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

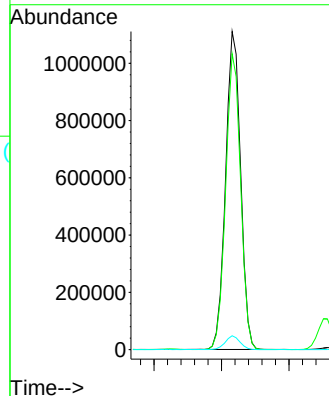
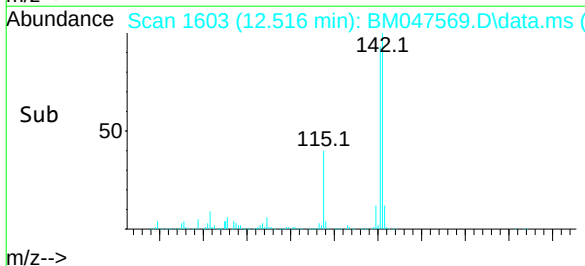
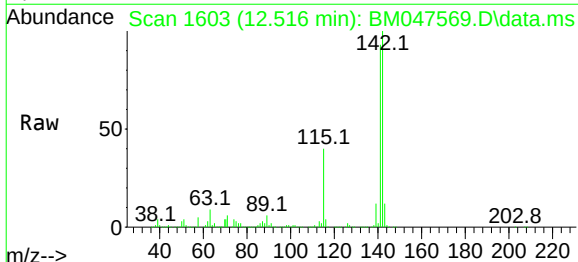
Manual Integrations
APPROVED

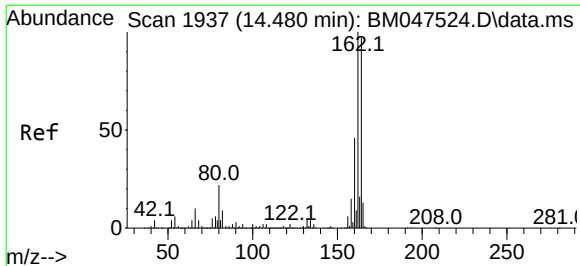
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 1936

Delta R.T. -0.006 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

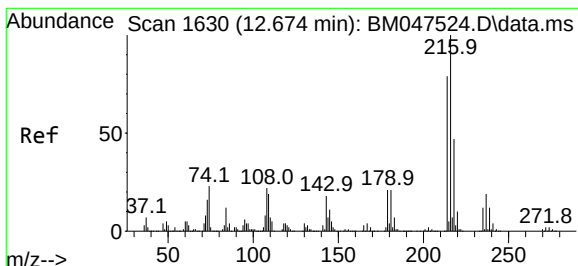
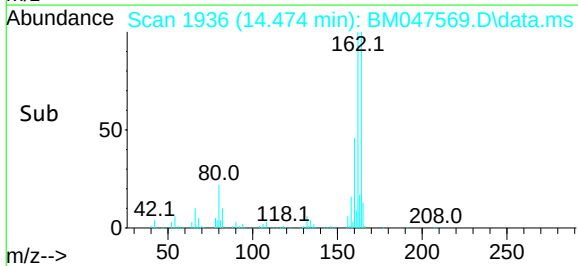
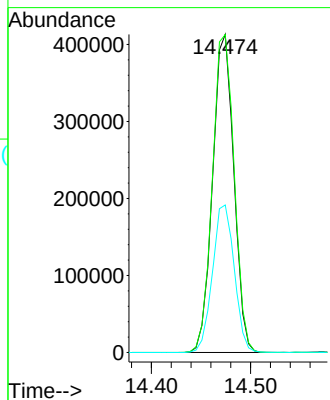
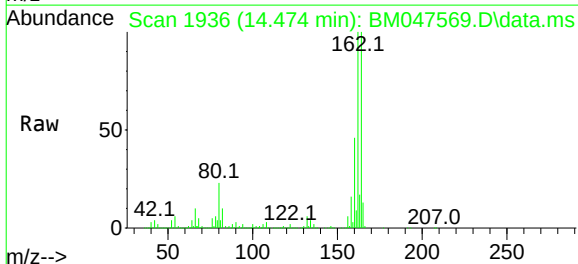
PB163318BSD

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.701 ng

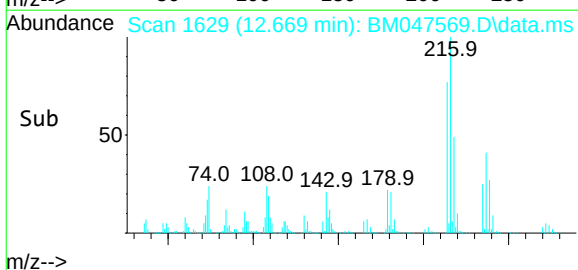
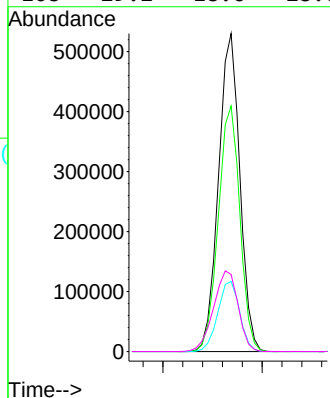
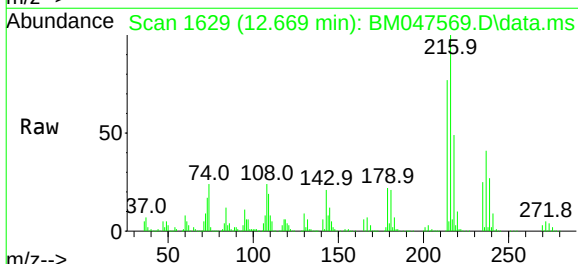
RT: 12.669 min Scan# 1629

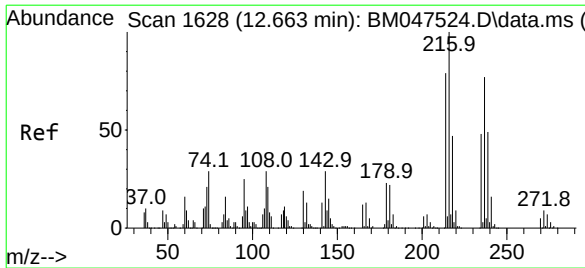
Delta R.T. -0.006 min

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 :

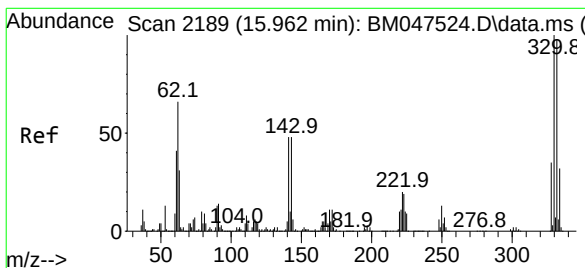
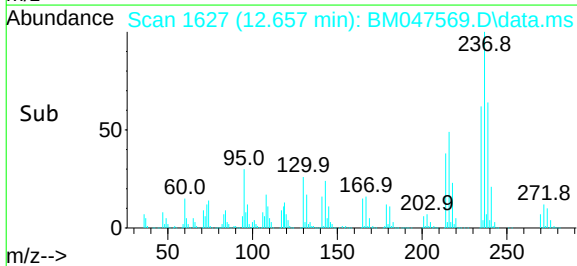
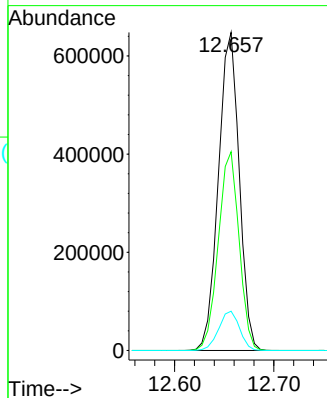
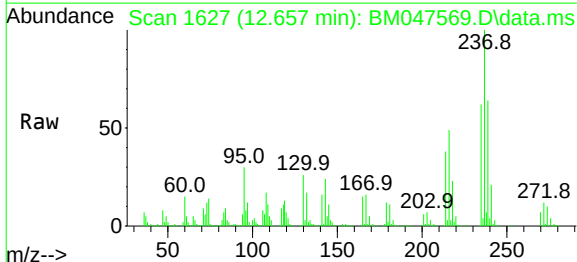
PB163318BSD

Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.0	82.0
272	12.4	0.0	31.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024



#42

2,4,6-Tribromophenol

Concen: 142.050 ng

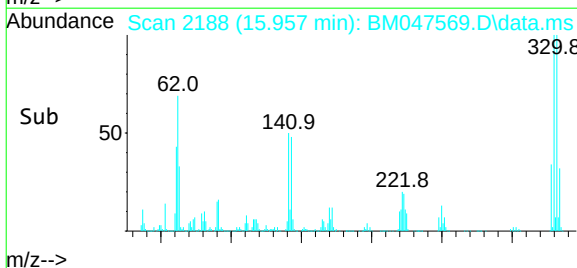
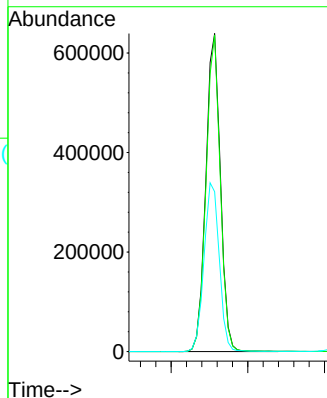
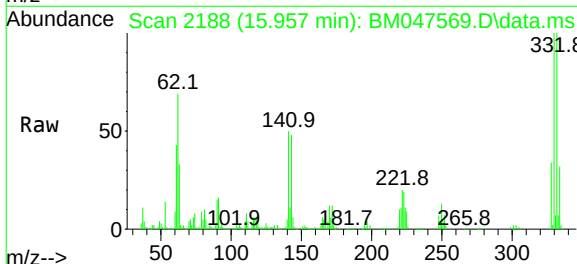
RT: 15.957 min Scan# 2188

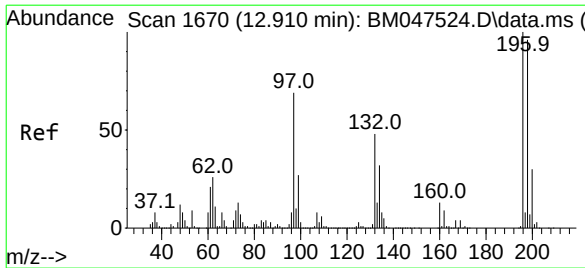
Delta R.T. -0.006 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Tgt Ion	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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:196 Resp: 524521

Ion Ratio Lower Upper

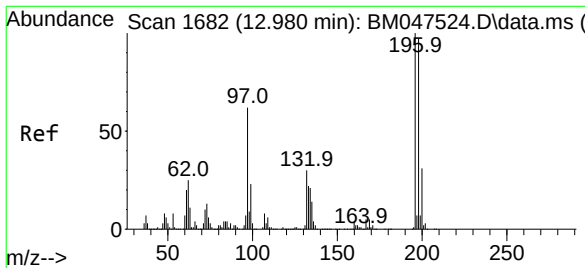
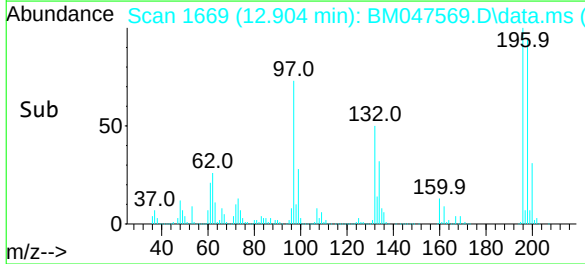
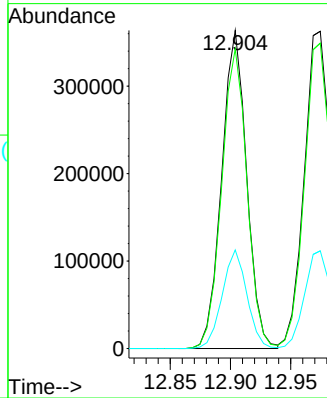
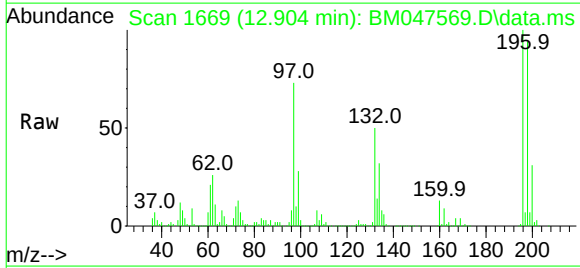
196 100

198 94.2 76.9 115.3

200 31.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

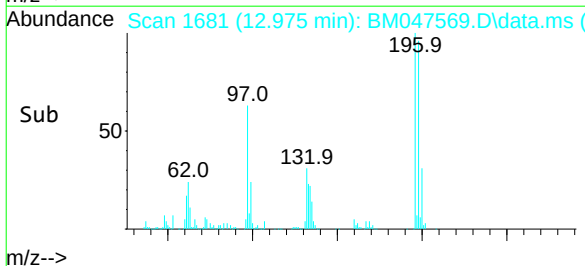
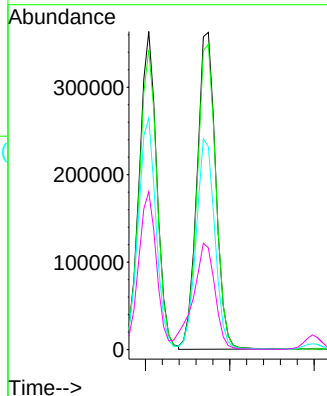
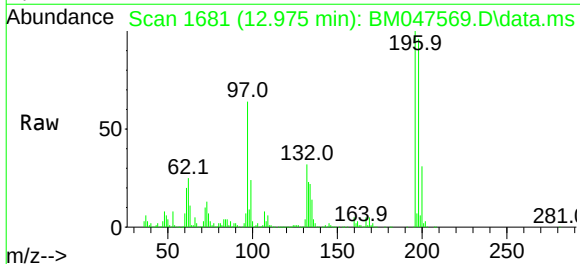
Ion Ratio Lower Upper

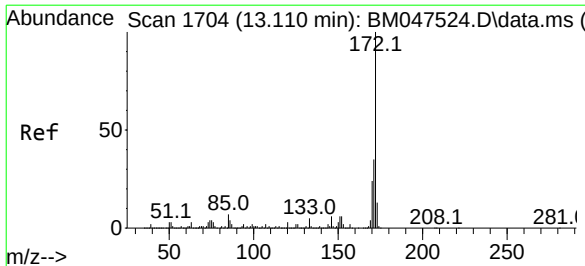
196 100

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# 1704

Delta R.T. -0.012 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:172 Resp: 4315694

Ion Ratio Lower Upper

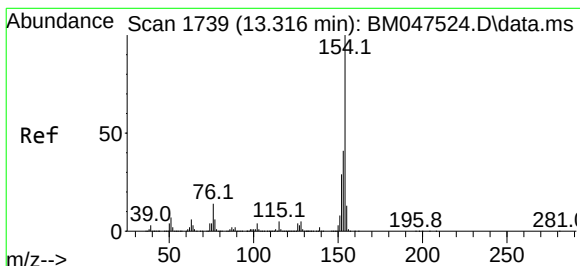
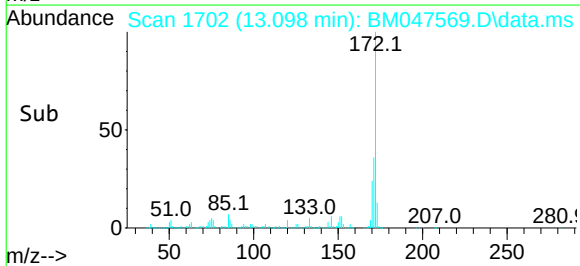
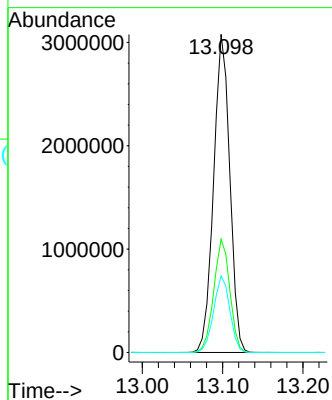
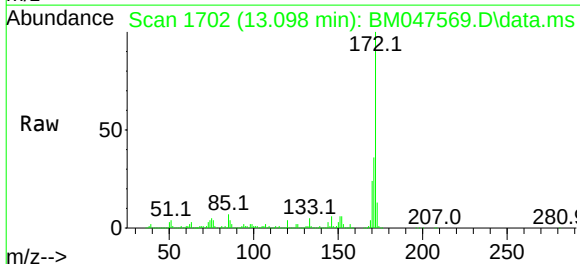
172 100

171 35.6 28.2 42.2

170 24.1 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

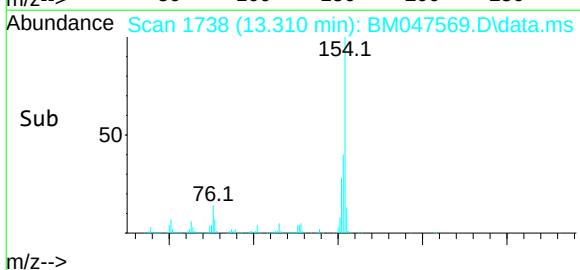
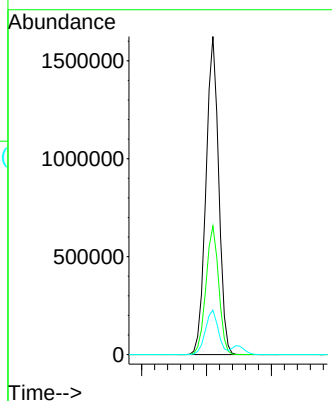
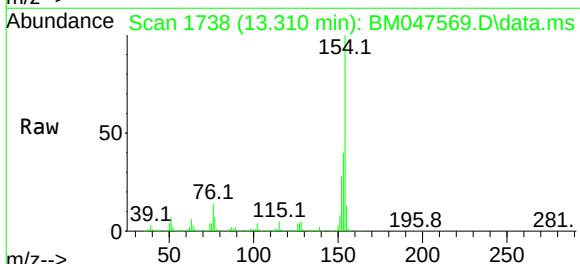
Tgt Ion:154 Resp: 2211954

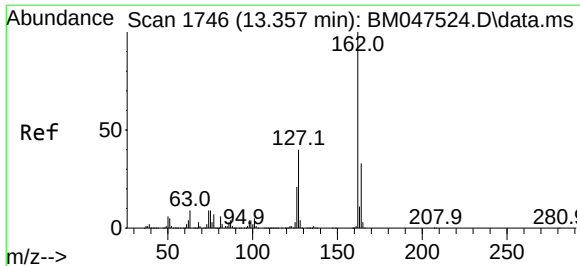
Ion Ratio Lower Upper

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# 1746

Delta R.T. -0.006 min

Lab File: BM047569.D

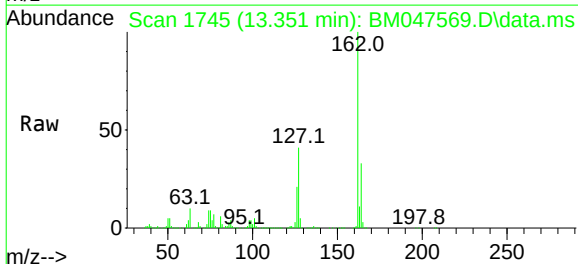
Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD



Tgt Ion:162 Resp: 1676373

Ion Ratio Lower Upper

162 100

127 41.3 32.2 48.4

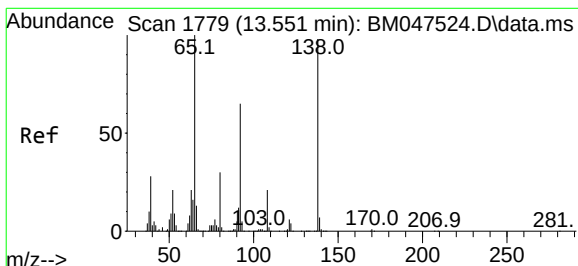
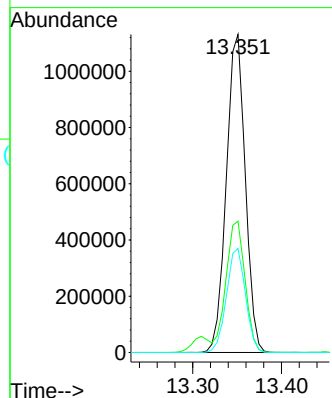
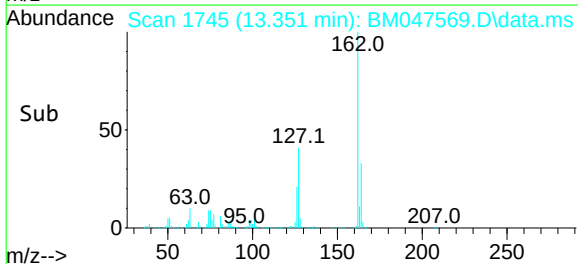
164 32.7 26.3 39.5

Manual Integrations

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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

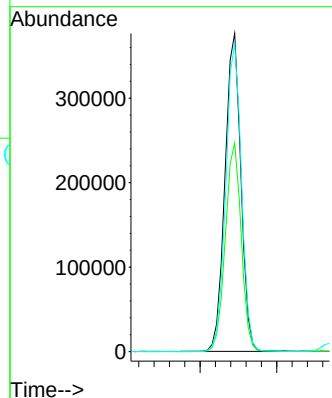
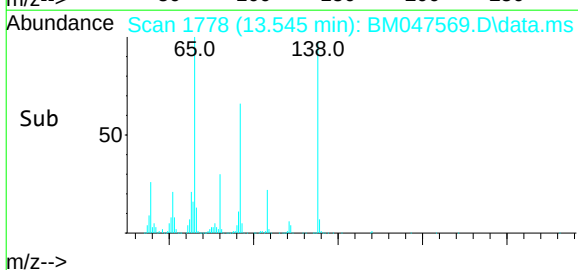
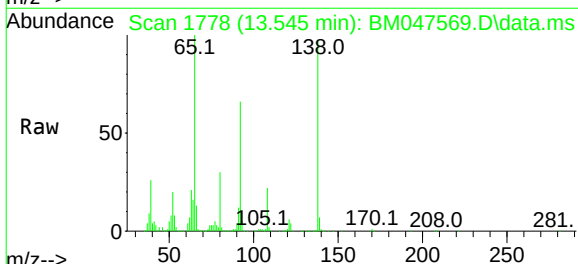
Tgt Ion: 65 Resp: 541845

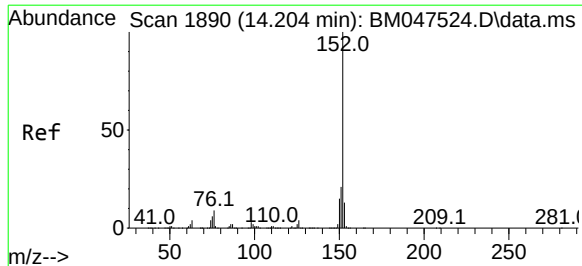
Ion Ratio Lower Upper

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

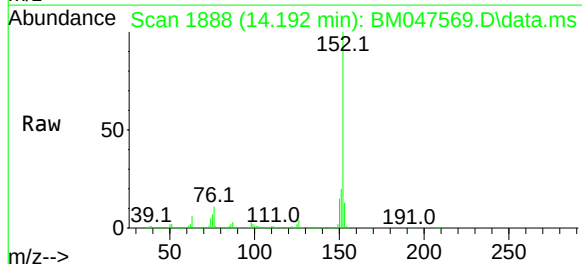
Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD



Tgt Ion:152 Resp: 2666456

Ion Ratio Lower Upper

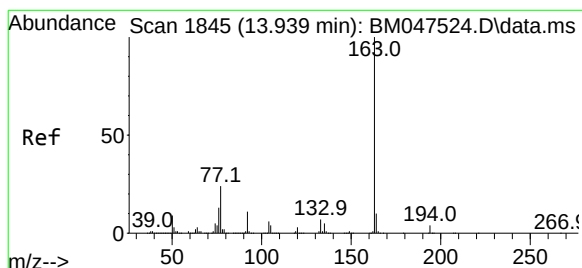
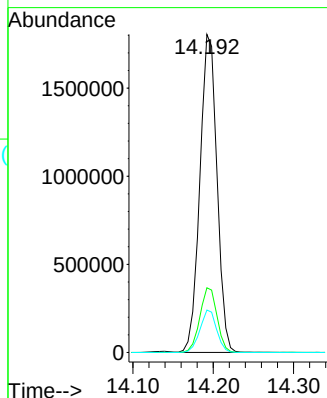
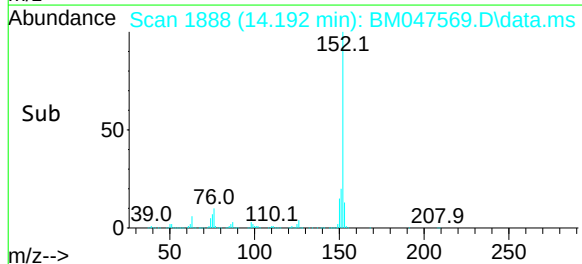
152 100

151 20.4 16.5 24.7

153 13.4 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#50

Dimethylphthalate

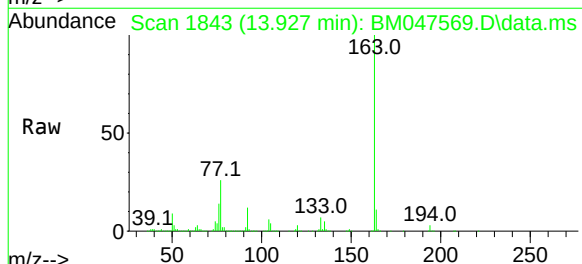
Concen: 45.889 ng

RT: 13.927 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54



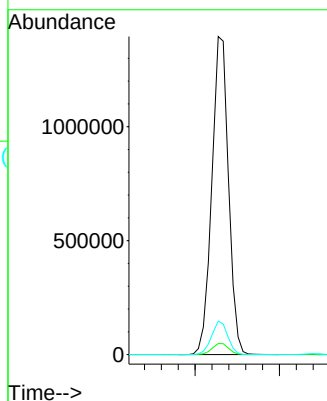
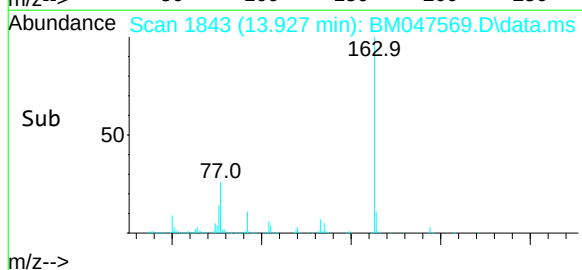
Tgt Ion:163 Resp: 1918542

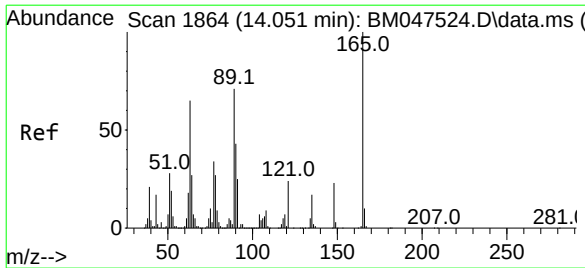
Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

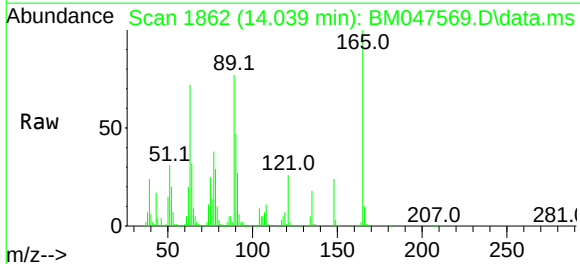
164 10.5 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 44.568 ng
RT: 14.039 min Scan# 1864
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

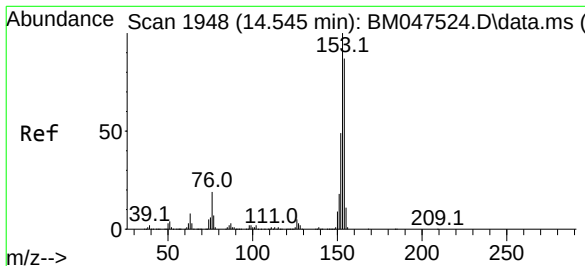
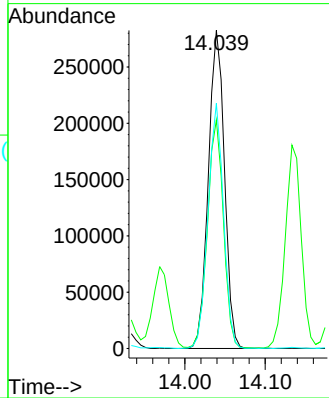
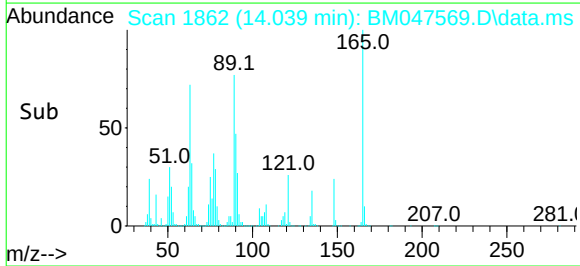
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

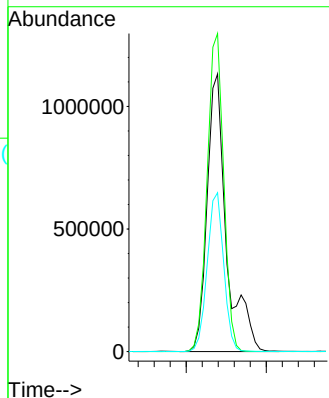
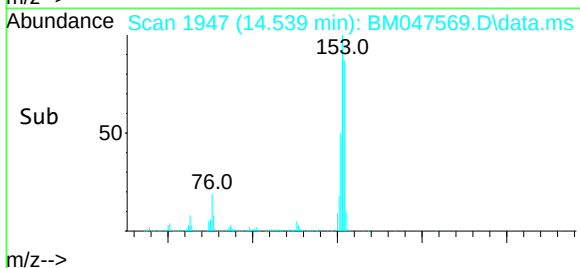
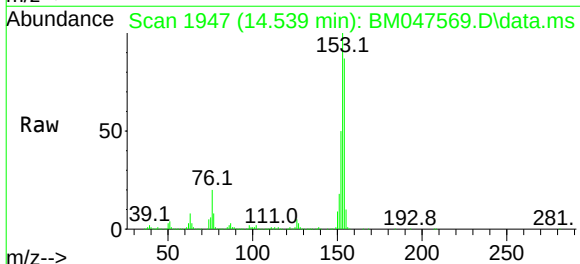
Manual Integrations
APPROVED

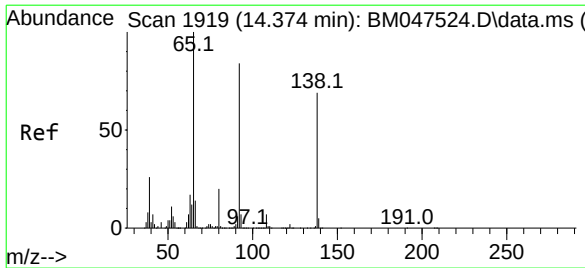
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

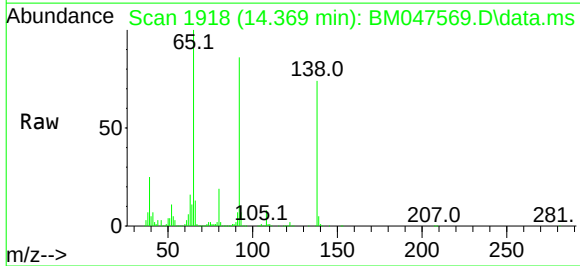
Tgt Ion:154 Resp: 1907981
Ion Ratio Lower Upper
154 100
153 114.6 92.2 138.2
152 57.2 45.4 68.0





#53
3-Nitroaniline
Concen: 36.824 ng
RT: 14.369 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

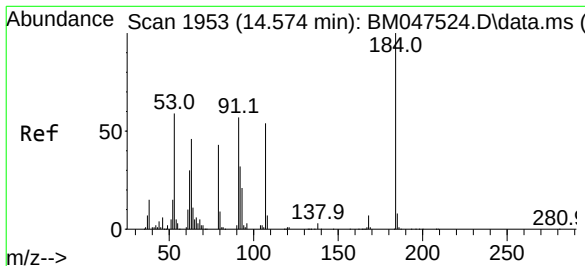
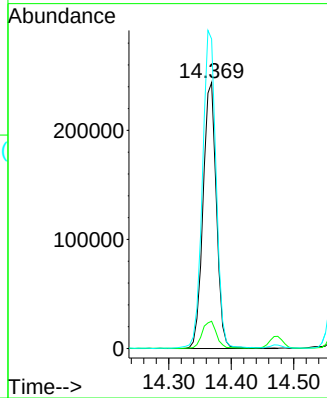
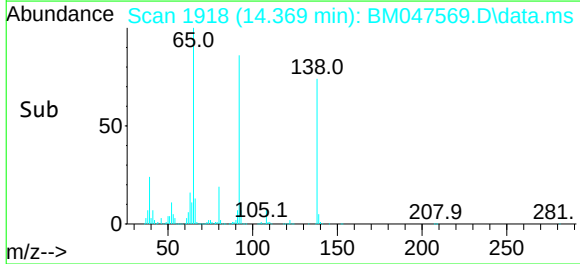
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

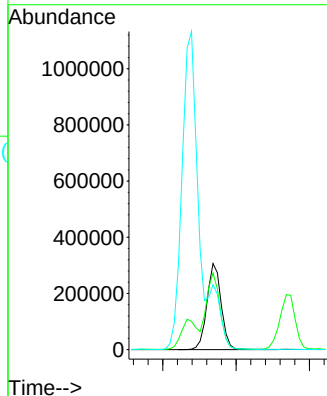
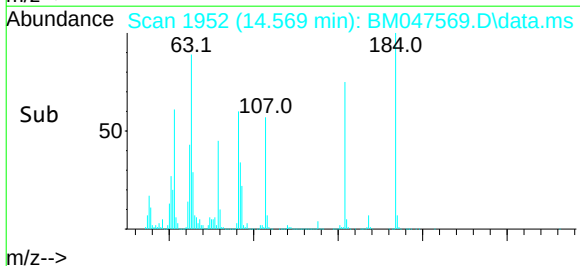
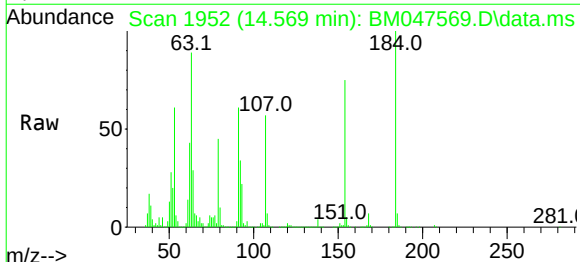
Manual Integrations
APPROVED

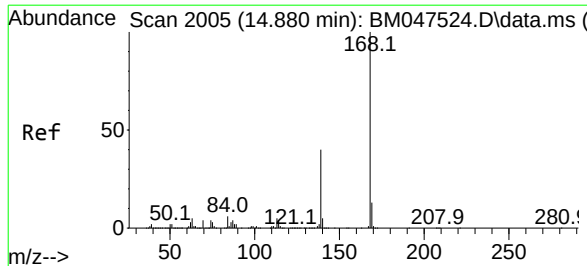
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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

Dibenzenofuran

Concen: 45.021 ng

RT: 14.869 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:168 Resp: 2370535

Ion Ratio Lower Upper

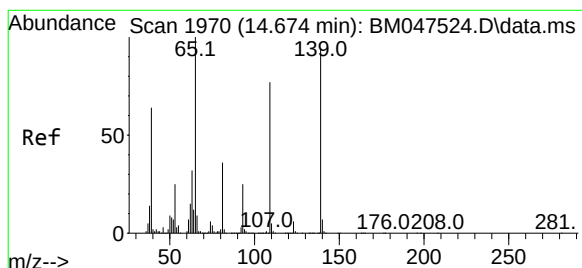
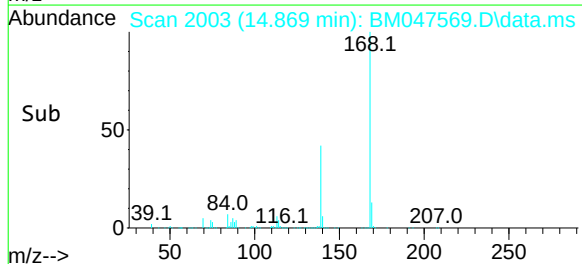
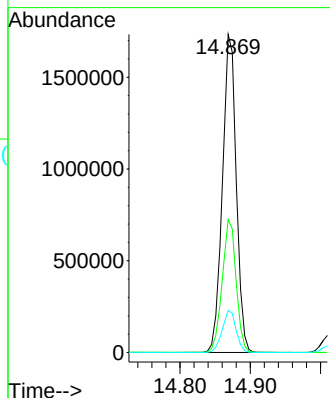
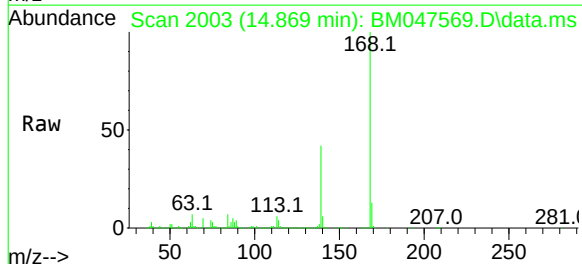
168 100

139 41.8 31.9 47.9

169 13.3 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

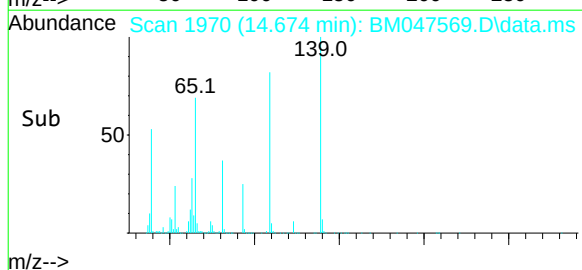
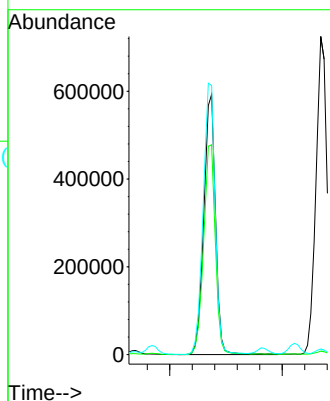
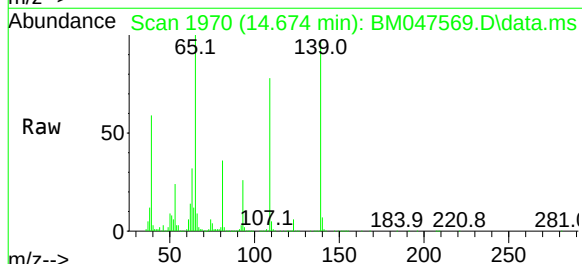
Tgt Ion:139 Resp: 855857

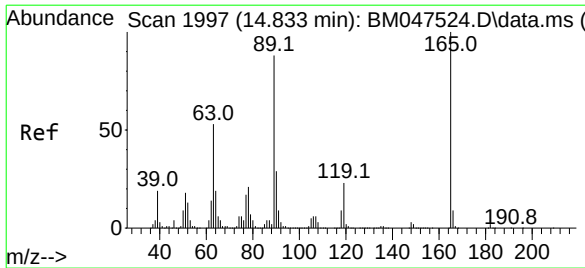
Ion Ratio Lower Upper

139 100

109 80.6 62.0 102.0

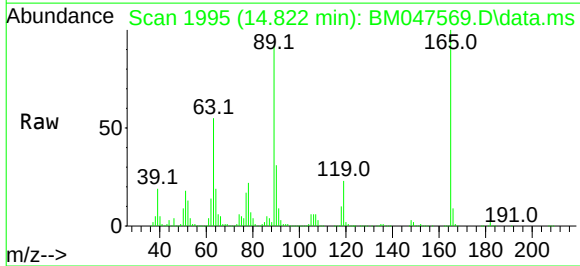
65 103.4 87.0 127.0





#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

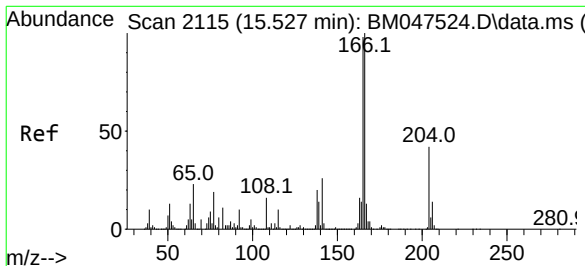
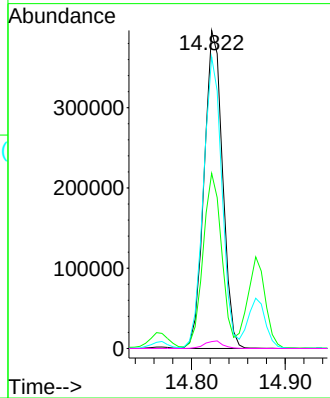
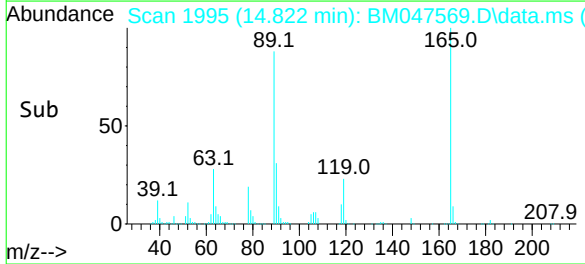
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

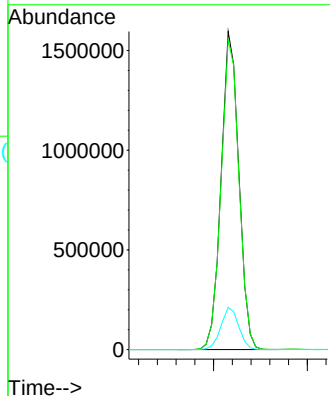
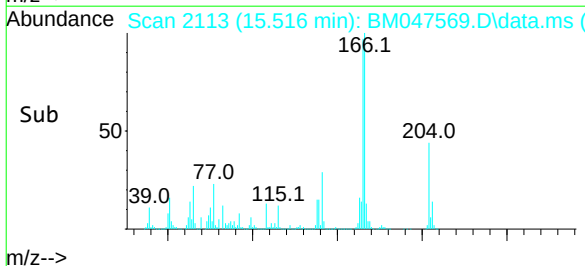
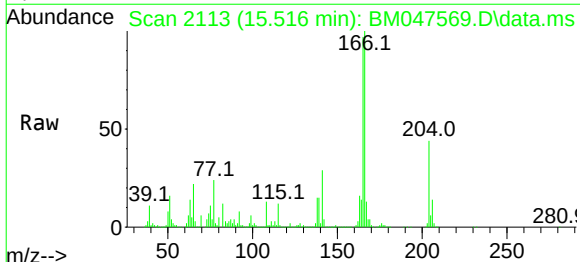
Manual Integrations
APPROVED

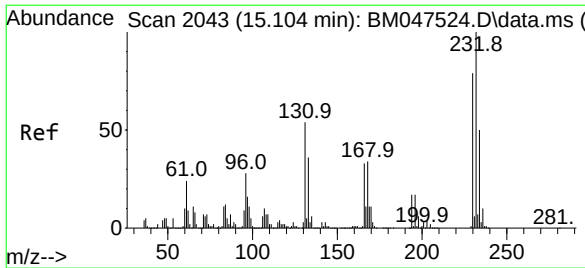
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 2043

Delta R.T. -0.012 min

Lab File: BM047569.D

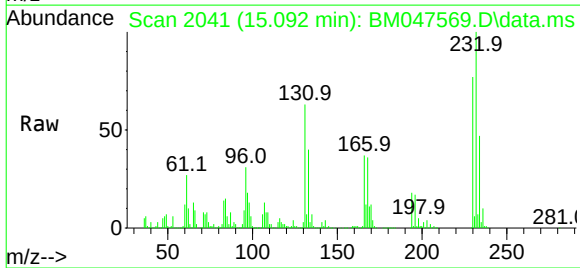
Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD



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

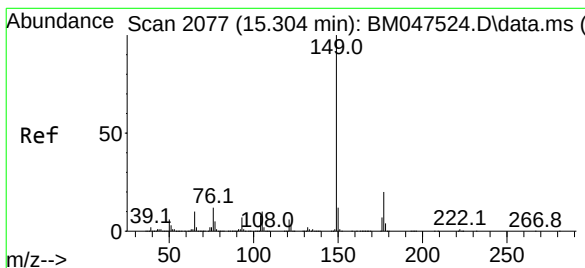
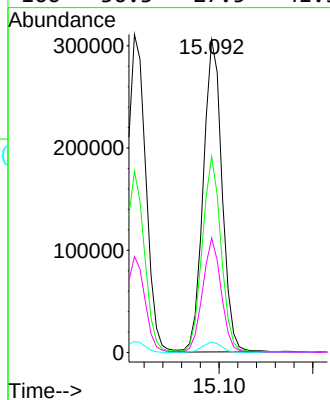
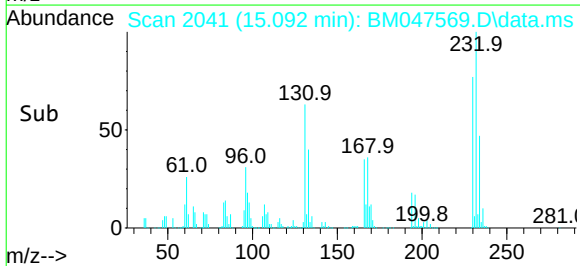
166 36.3 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#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

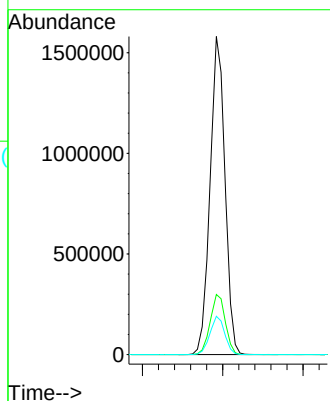
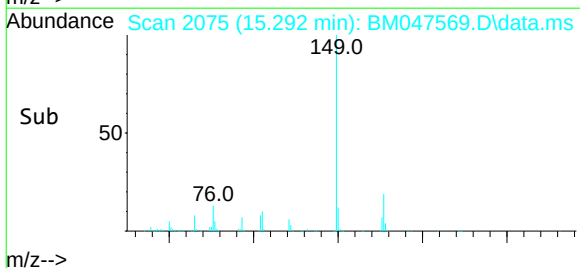
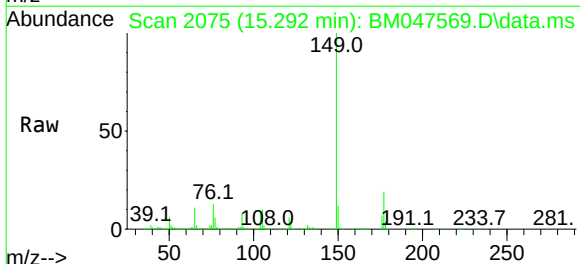
Tgt Ion:149 Resp: 2032402

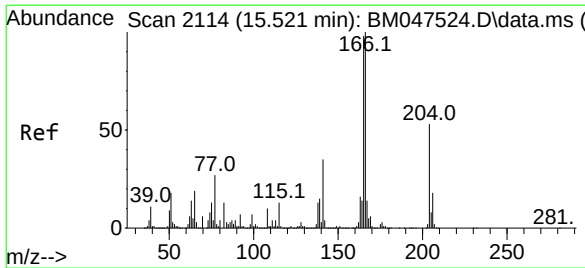
Ion Ratio Lower Upper

149 100

177 18.9 15.8 23.8

150 12.1 9.7 14.5





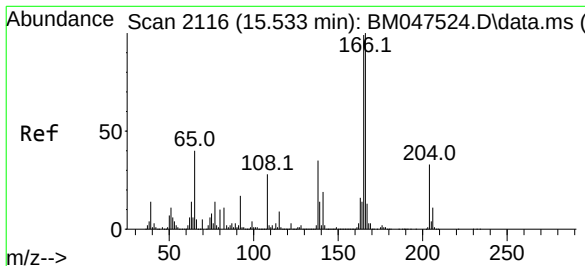
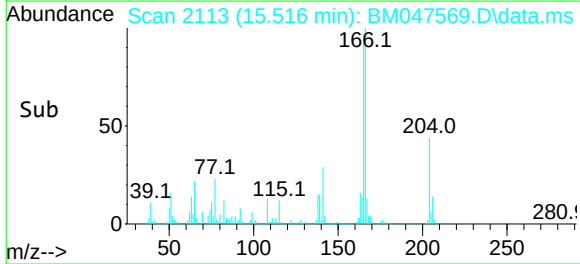
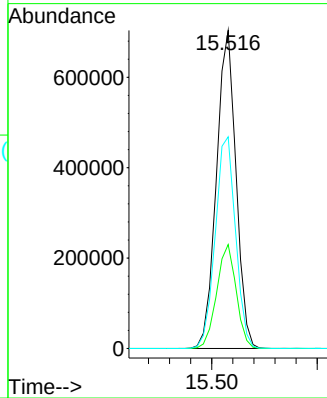
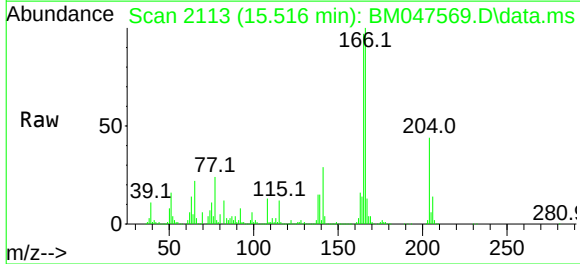
#61
4-Chlorophenyl-phenylether
Concen: 41.858 ng
RT: 15.516 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Instrument :
BNA_M
ClientSampleId :
PB163318BSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	66.6	52.1	78.1

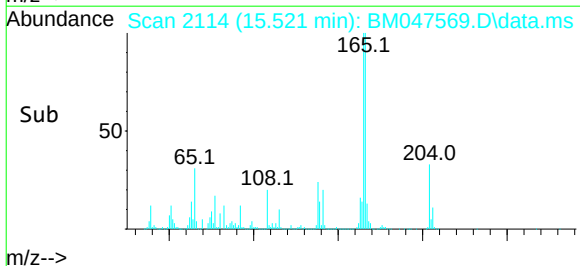
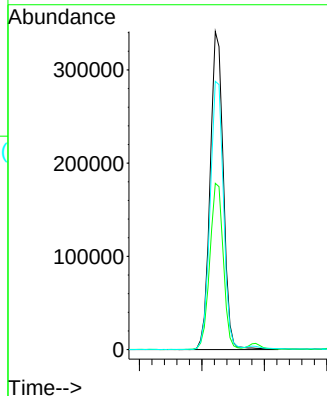
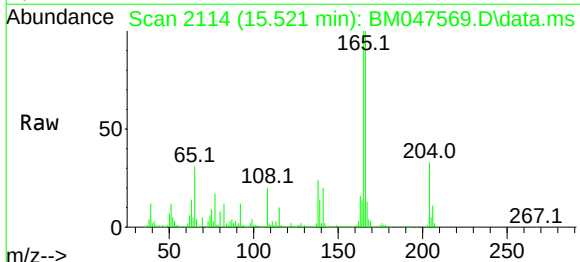
Manual Integrations
APPROVED

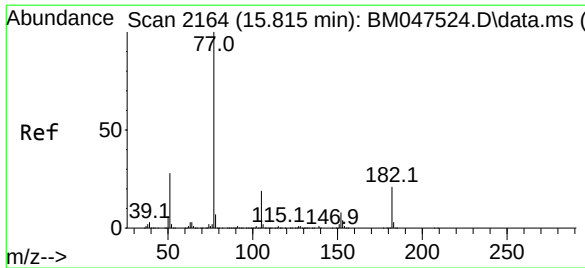
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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	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

Instrument :

BNA_M

ClientSampleId :

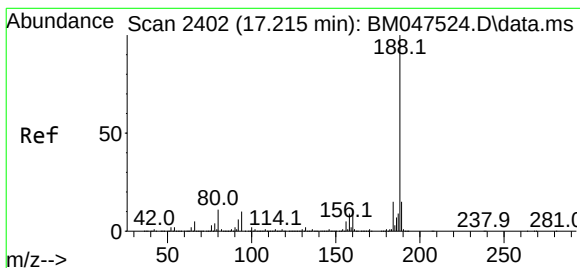
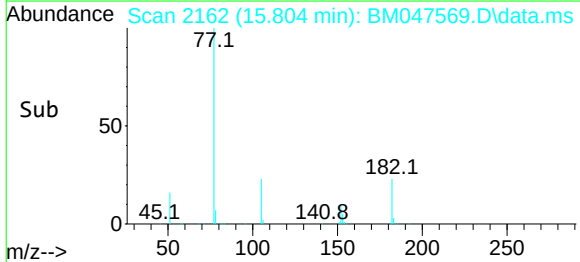
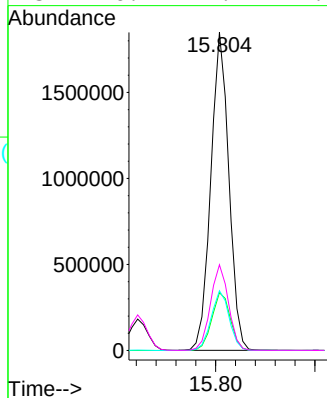
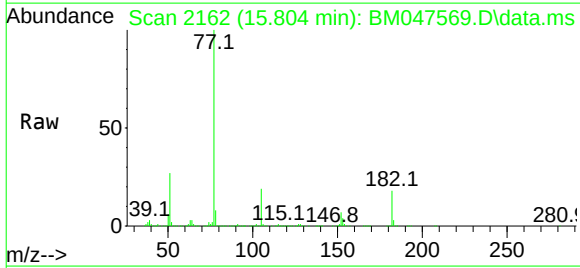
PB163318BSD

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.210 min Scan# 2401

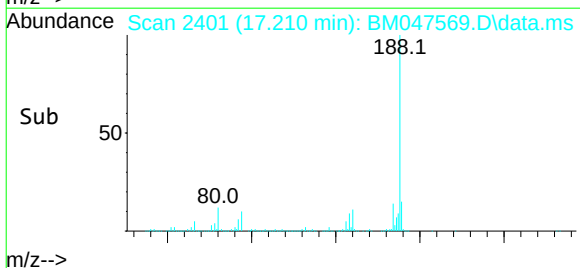
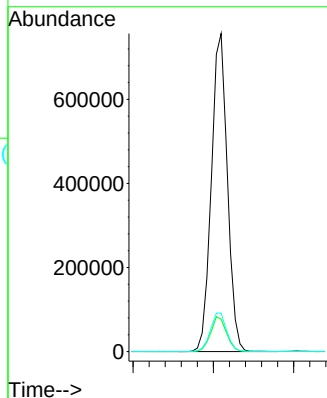
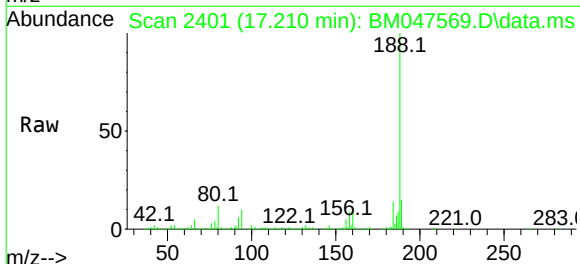
Delta R.T. -0.006 min

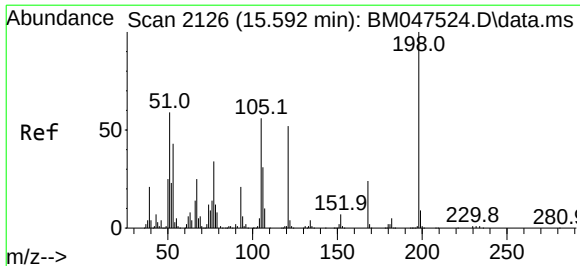
Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Tgt Ion:188 Resp: 1048553

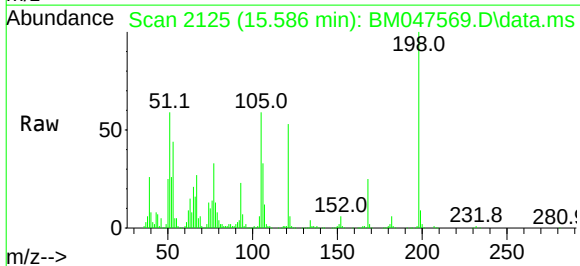
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	12.1	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 44.877 ng
RT: 15.586 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

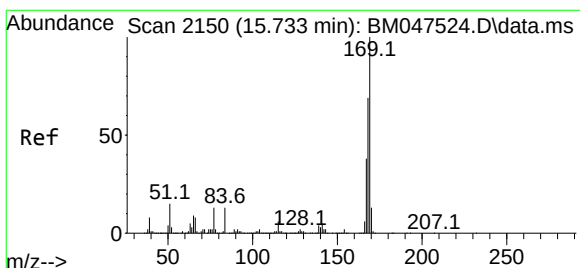
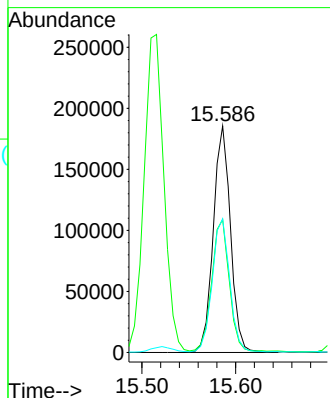
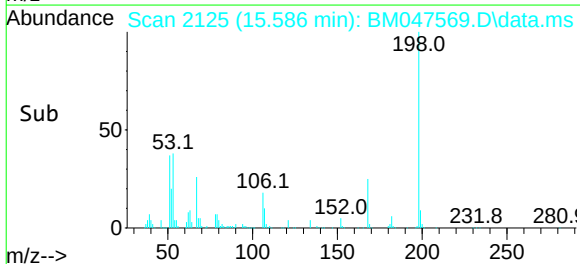
Instrument :
BNA_M
ClientSampleId :
PB163318BSD



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

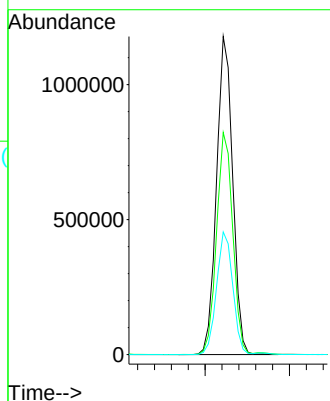
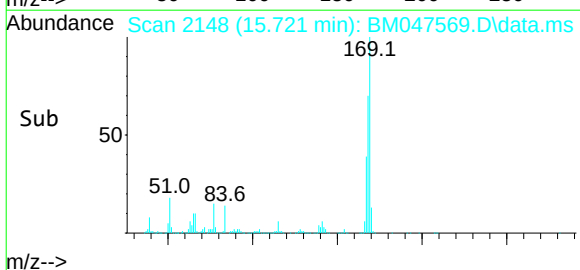
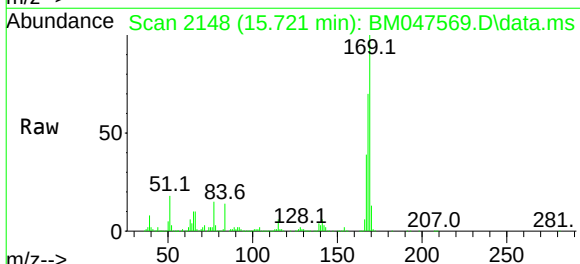
Manual Integrations
APPROVED

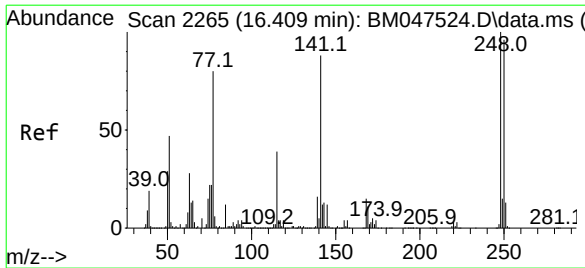
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#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# 2265

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

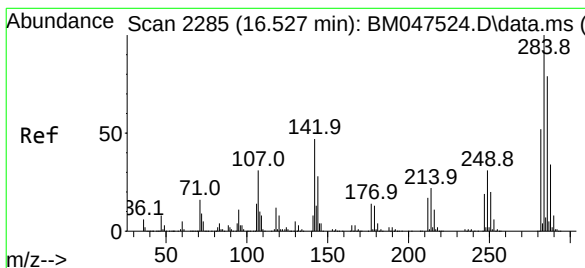
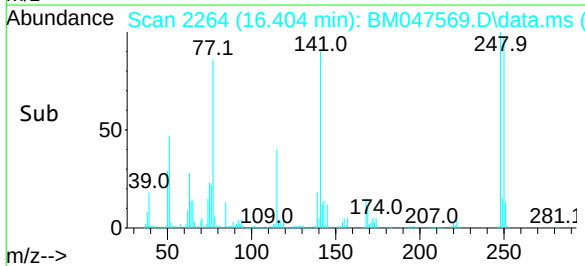
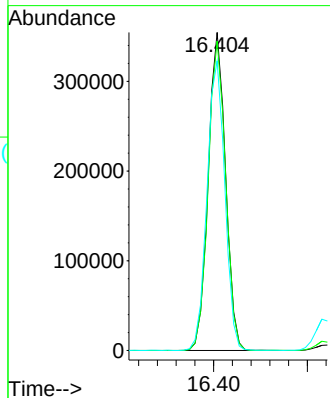
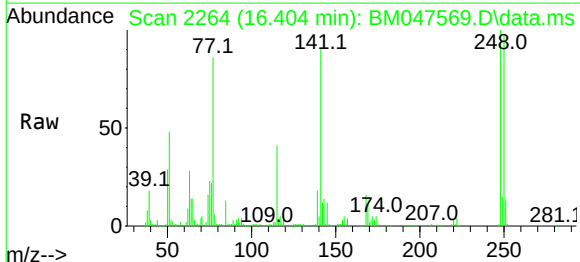
248 100

250 97.3 76.9 115.3

141 91.0 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

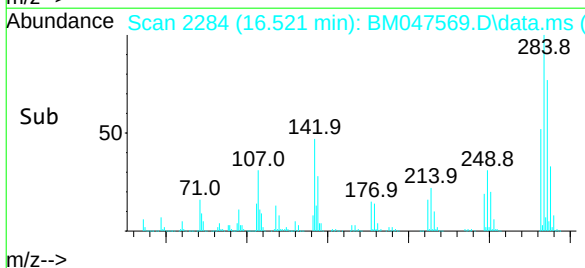
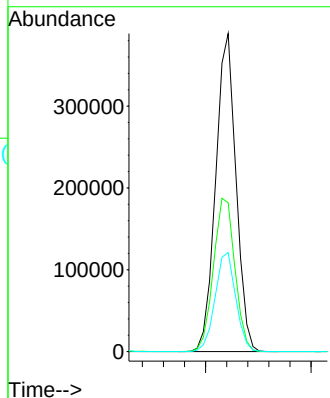
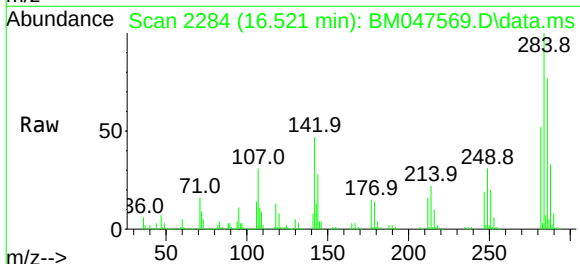
Tgt Ion:284 Resp: 520321

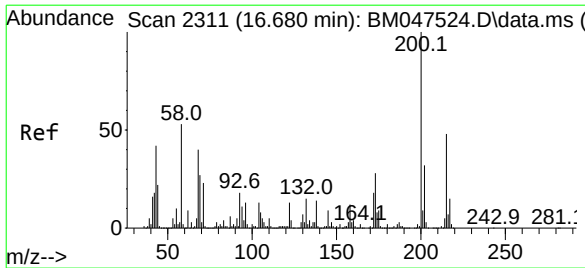
Ion Ratio Lower Upper

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# 2311

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

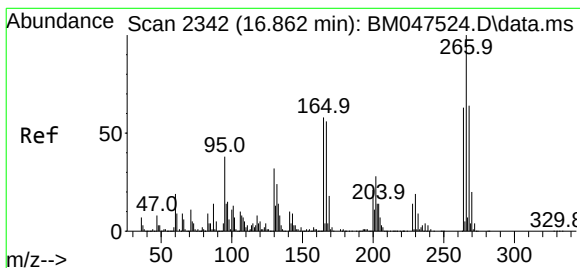
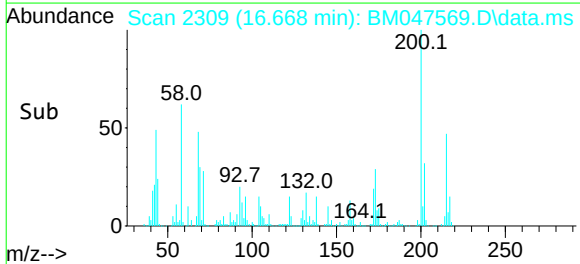
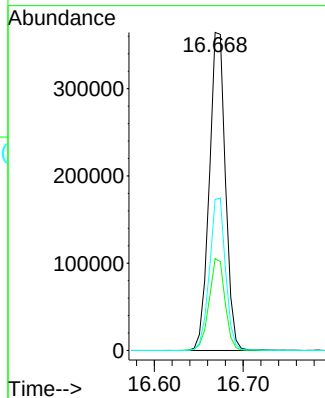
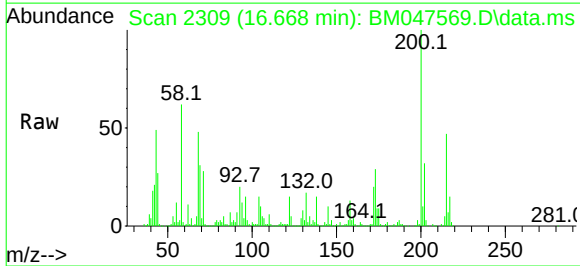
200 100

173 28.9 7.7 47.7

215 47.5 27.9 67.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

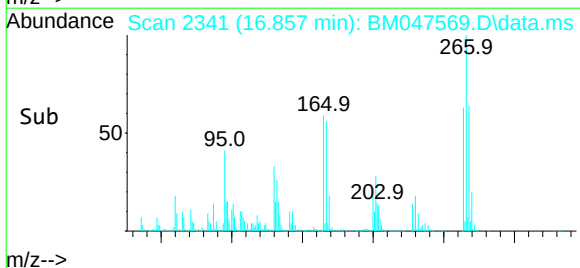
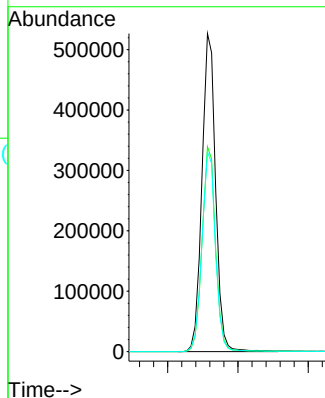
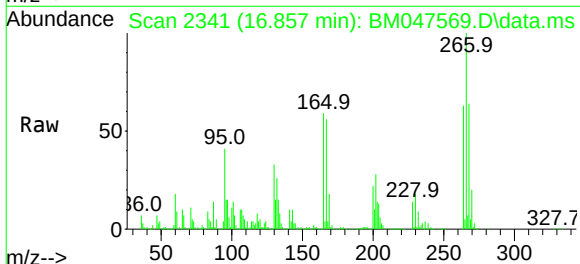
Tgt Ion:266 Resp: 708658

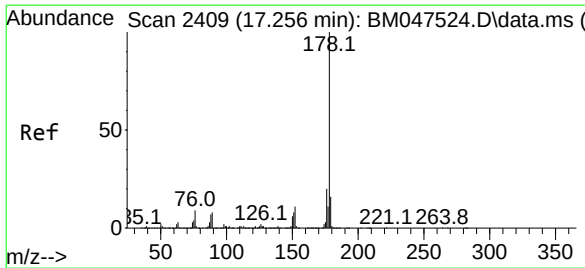
Ion Ratio Lower Upper

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# 2409

Delta R.T. -0.006 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:178 Resp: 2723635

Ion Ratio Lower Upper

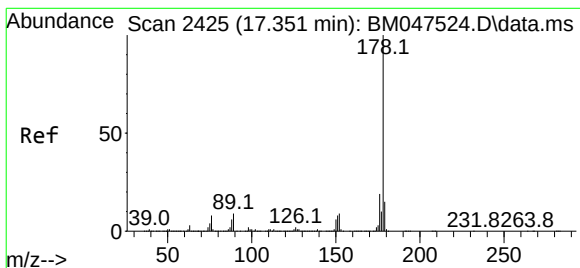
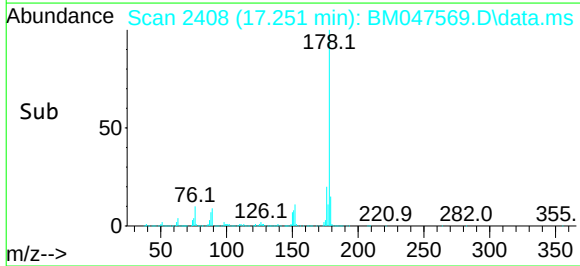
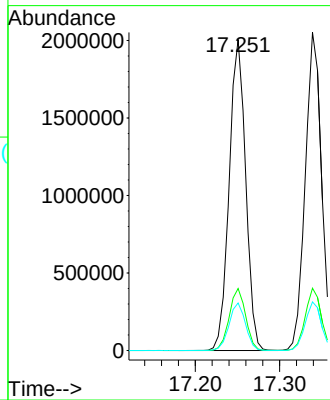
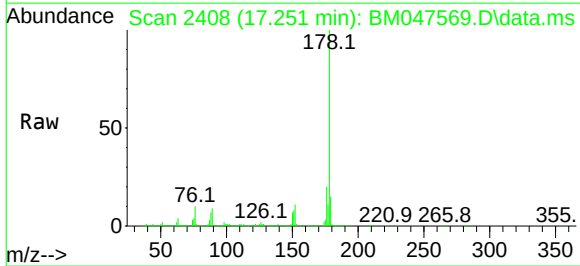
178 100

176 19.9 16.0 24.0

179 15.3 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

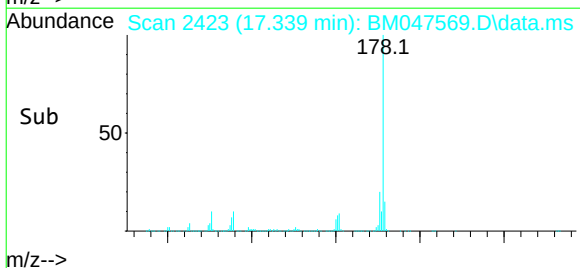
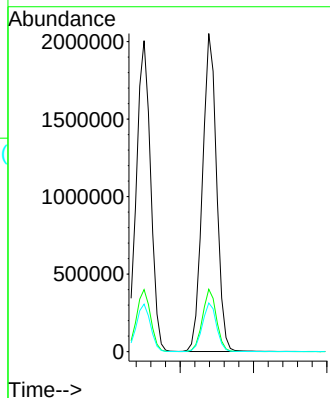
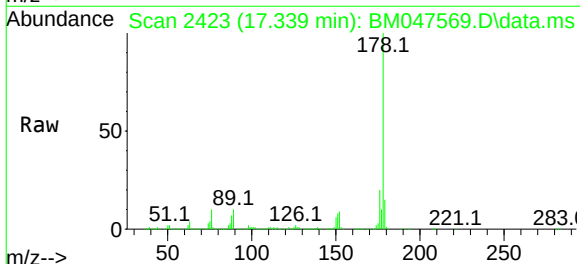
Tgt Ion:178 Resp: 2748272

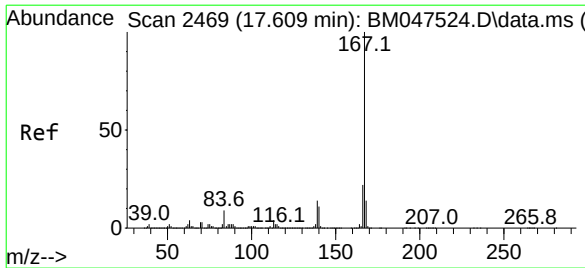
Ion Ratio Lower Upper

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# 2468

Delta R.T. -0.006 min

Lab File: BM047569.D

Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

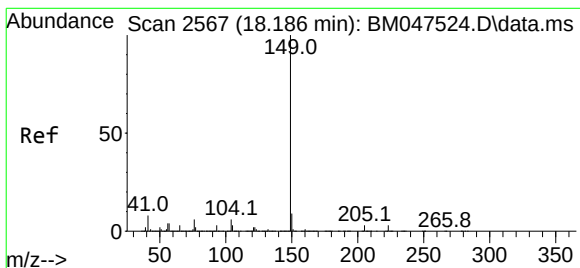
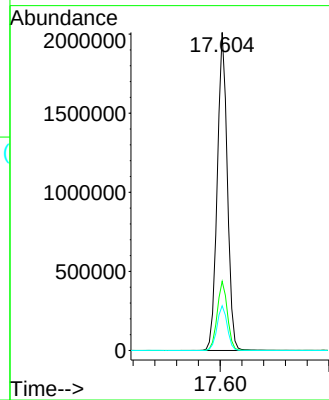
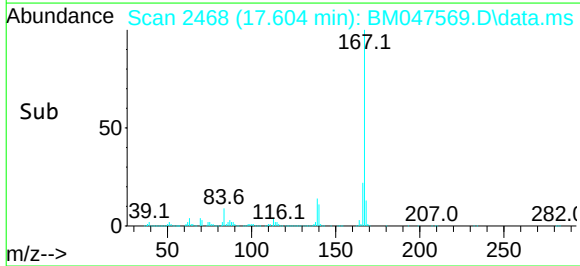
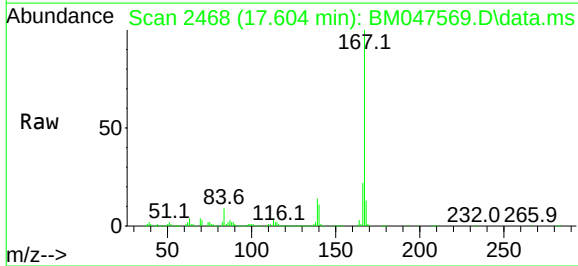
Tgt Ion:167 Resp: 2574886

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.8
139	14.1	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#74

Di-n-butylphthalate

Concen: 49.847 ng

RT: 18.180 min Scan# 2566

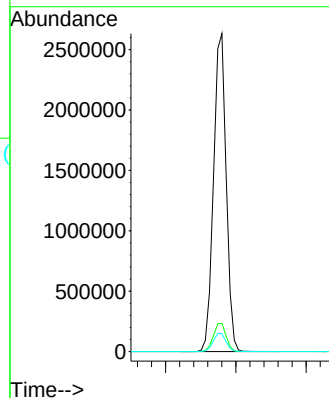
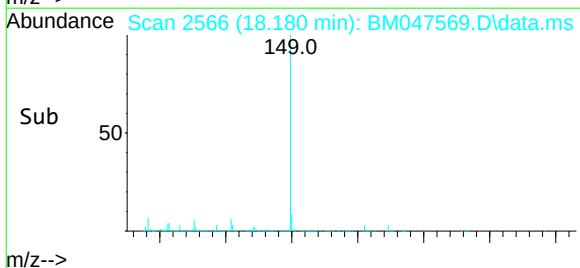
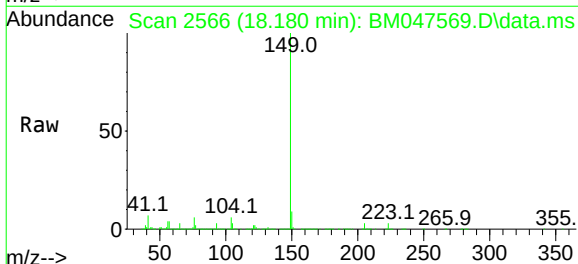
Delta R.T. -0.006 min

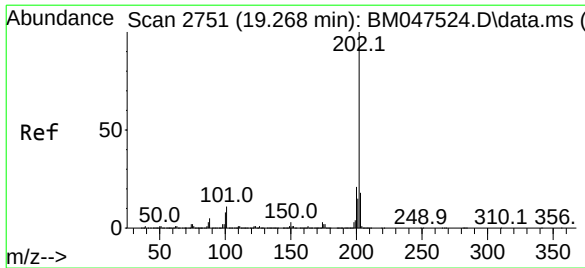
Lab File: BM047569.D

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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:202 Resp: 2772764

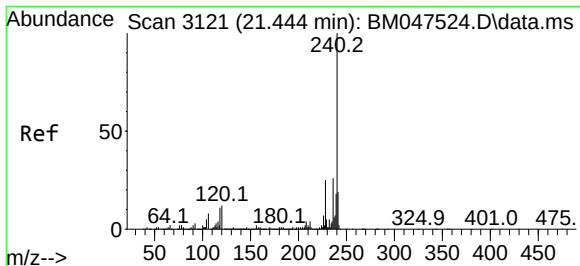
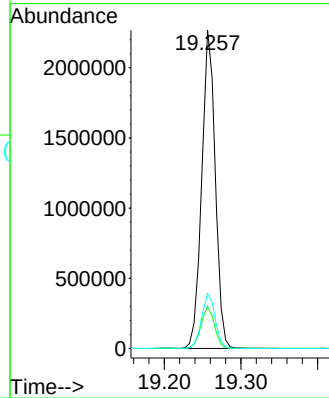
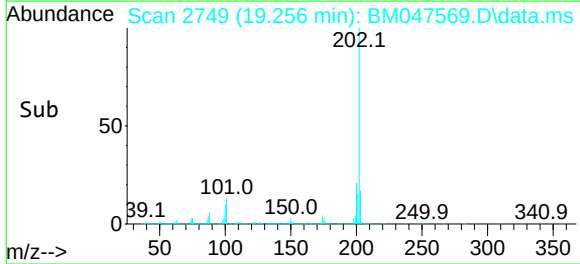
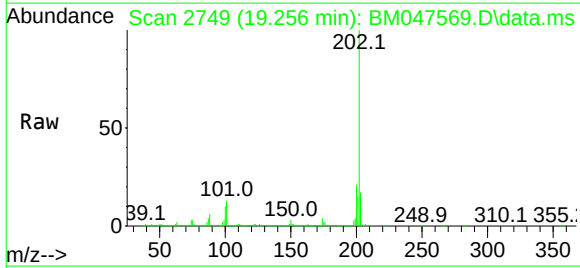
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	30.8
203	17.2	0.0	37.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3119

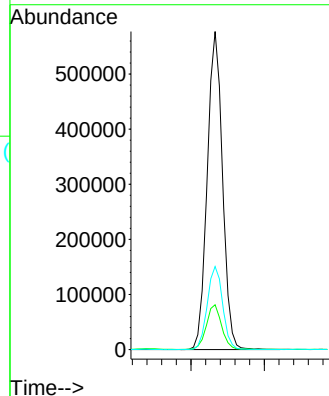
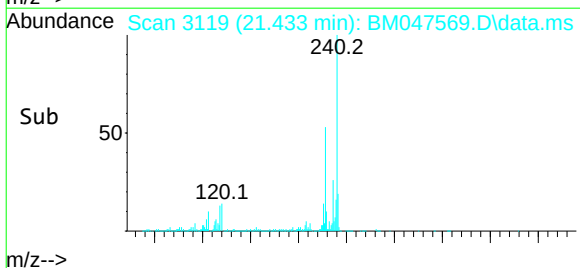
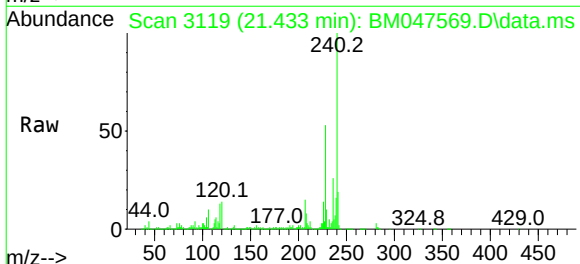
Delta R.T. -0.011 min

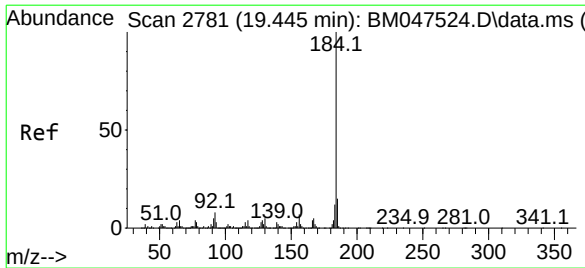
Lab File: BM047569.D

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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:184 Resp: 1041881

Ion Ratio Lower Upper

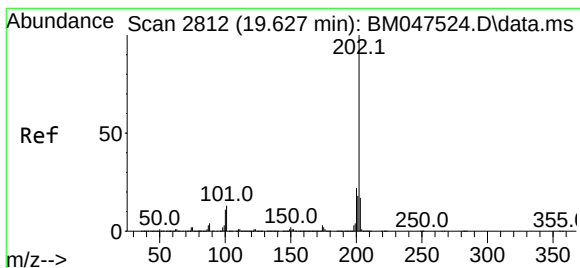
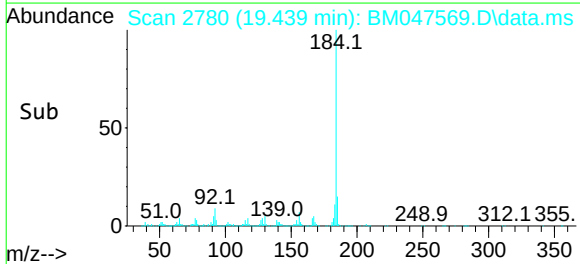
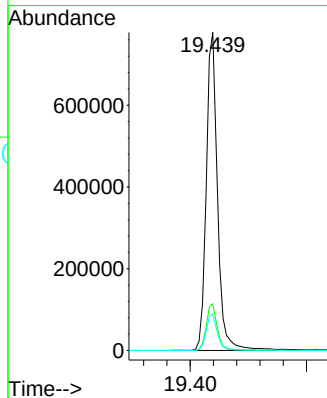
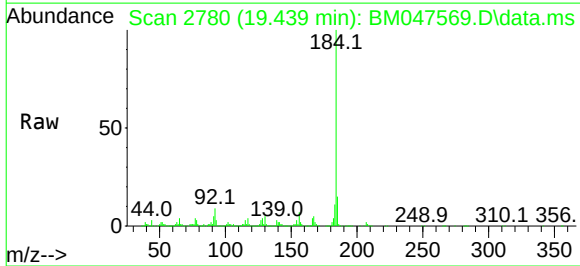
184 100

185 14.7 12.2 18.2

183 11.4 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

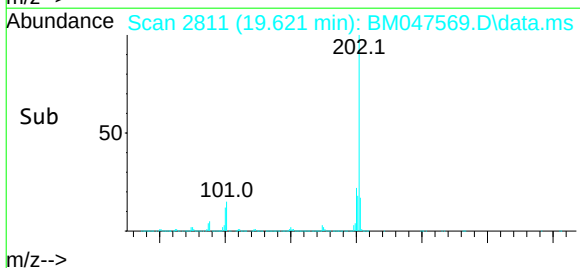
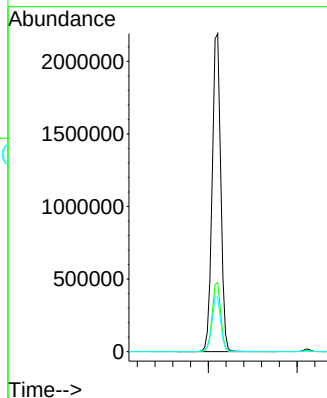
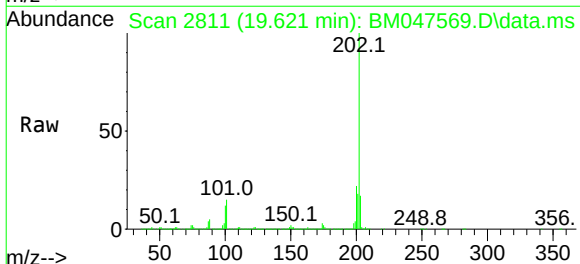
Tgt Ion:202 Resp: 2942597

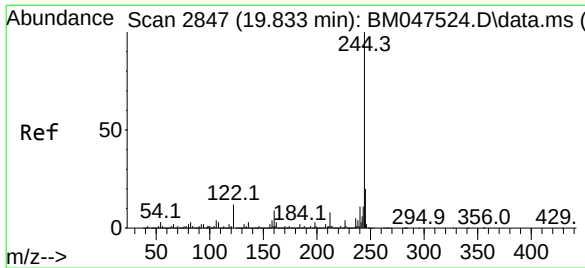
Ion Ratio Lower Upper

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# 2845

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

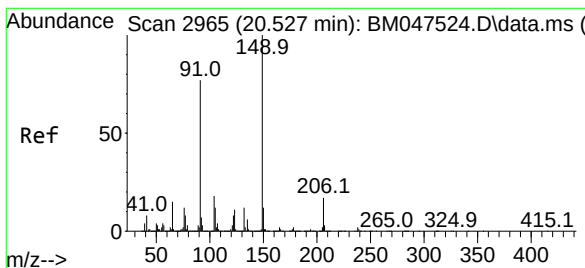
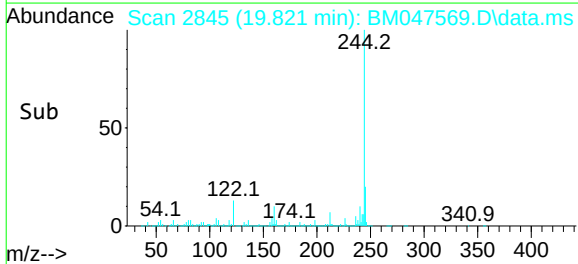
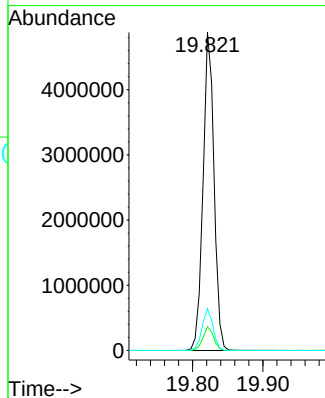
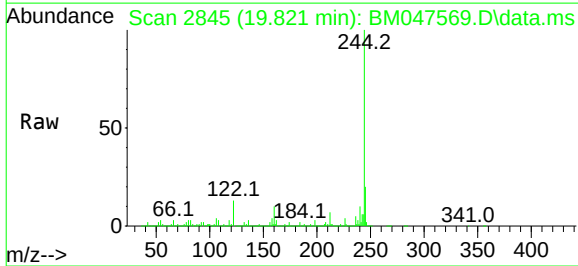
244 100

212 7.4 6.2 9.2

122 13.1 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

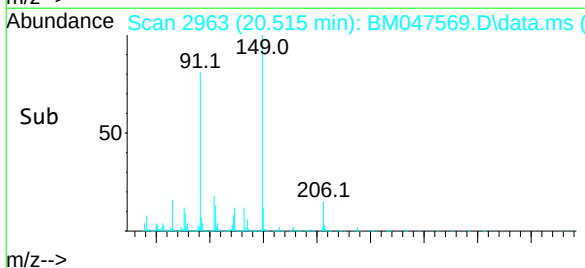
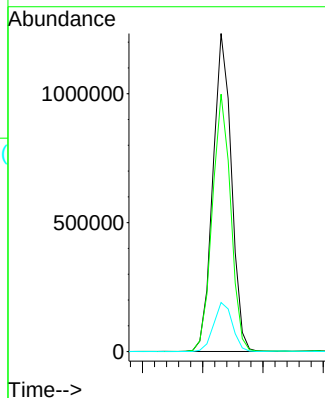
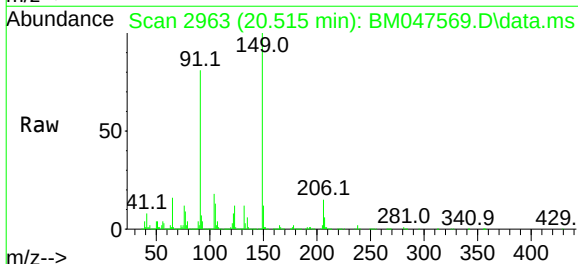
Tgt Ion:149 Resp: 1320356

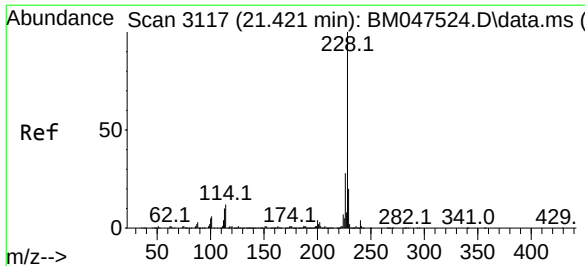
Ion Ratio Lower Upper

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# 3117

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

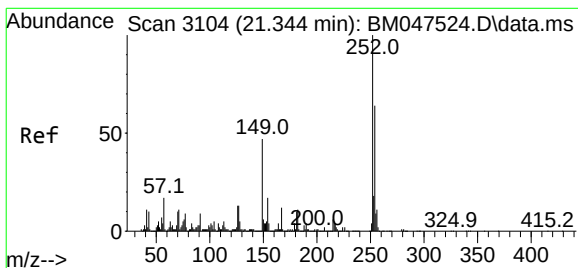
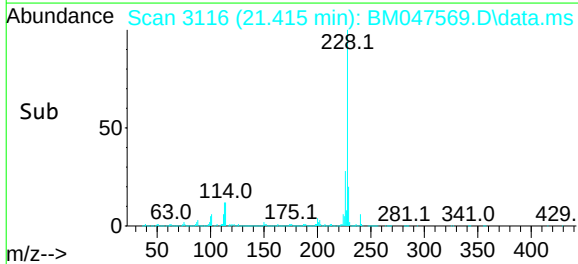
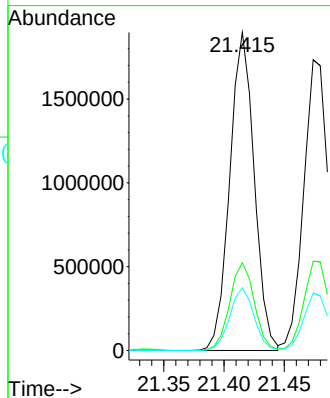
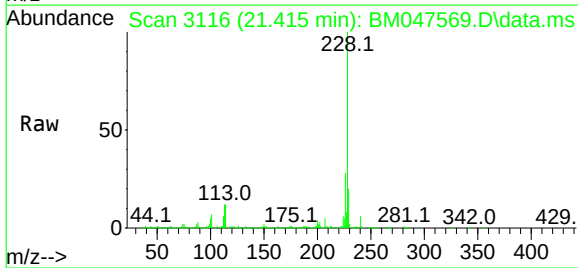
228 100

226 27.6 22.4 33.6

229 19.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

#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

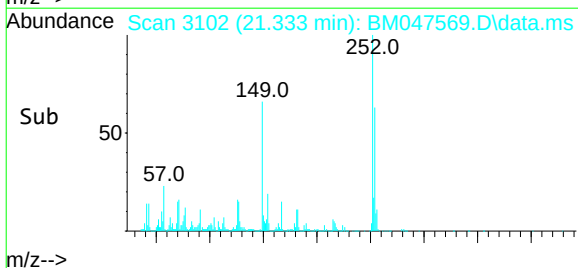
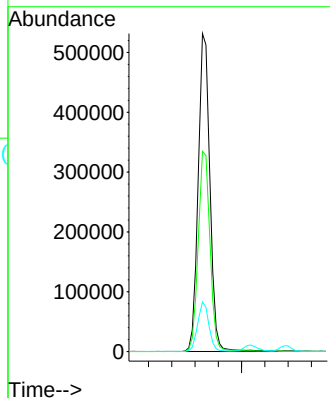
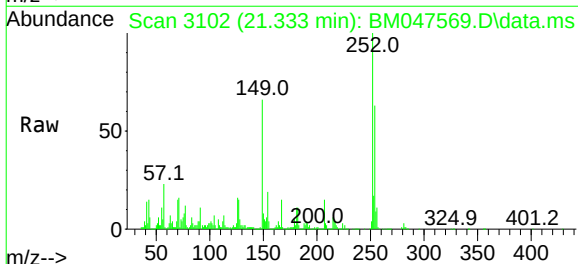
Tgt Ion:252 Resp: 744323

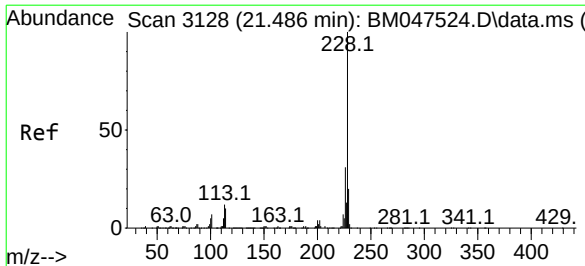
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:228 Resp: 2502737

Ion Ratio Lower Upper

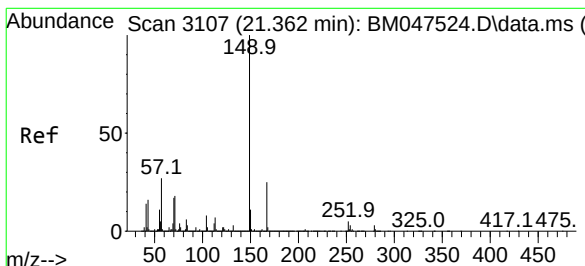
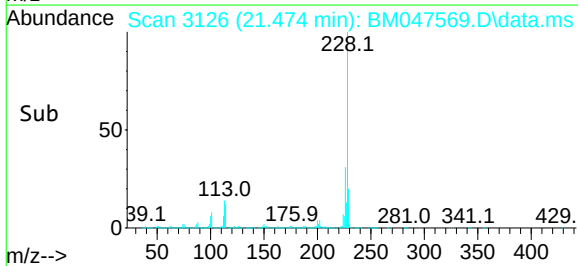
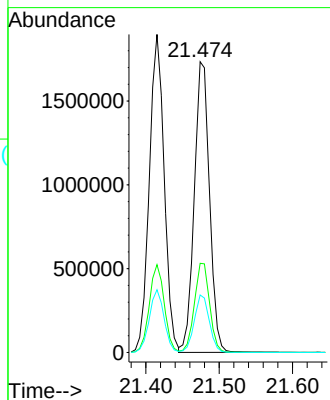
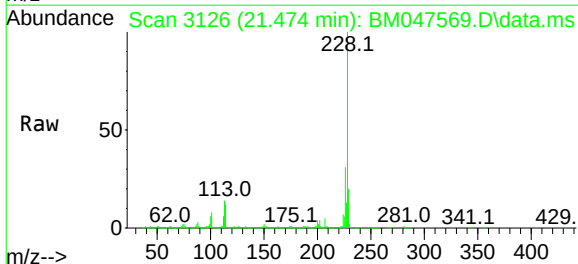
228 100

226 30.7 25.0 37.6

229 19.8 15.9 23.9

Manual Integrations

APPROVED

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

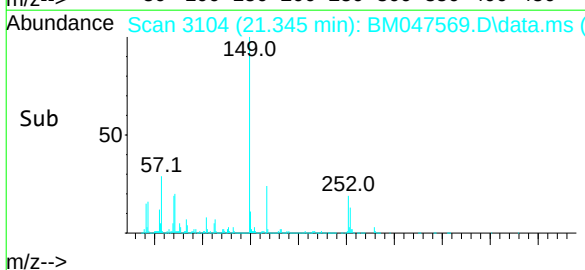
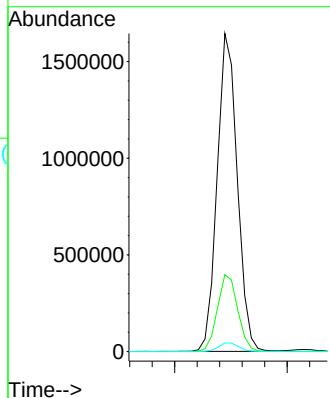
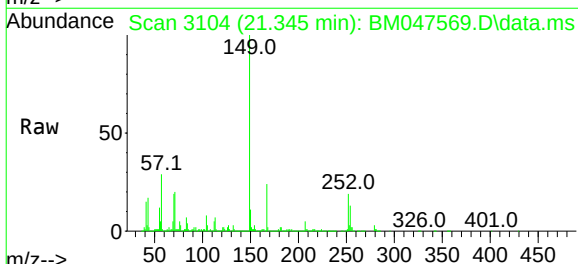
Tgt Ion:149 Resp: 2039617

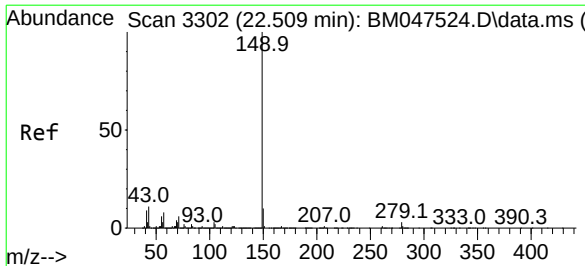
Ion Ratio Lower Upper

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

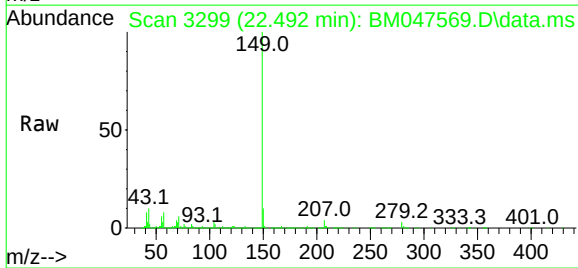
Acq: 19 Sep 2024 13:54

Instrument :

BNA_M

ClientSampleId :

PB163318BSD



Tgt Ion:149 Resp: 3174143

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

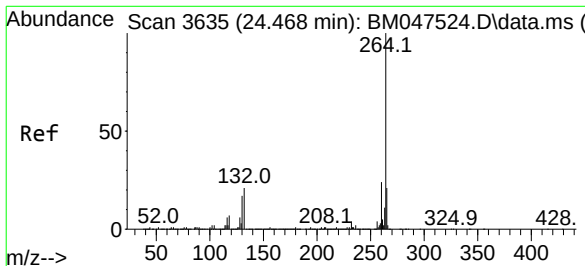
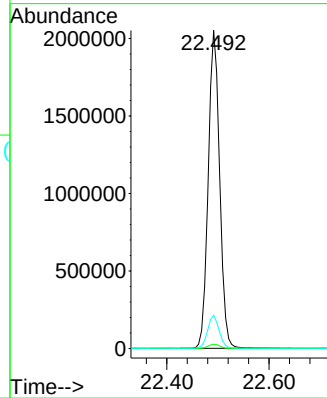
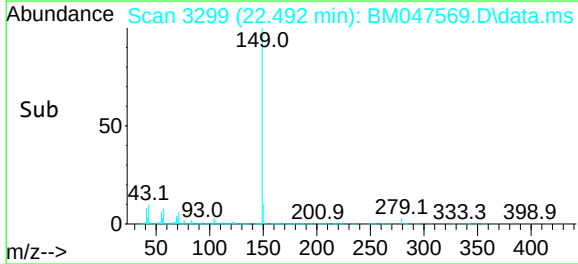
43 10.4 8.9 13.3

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

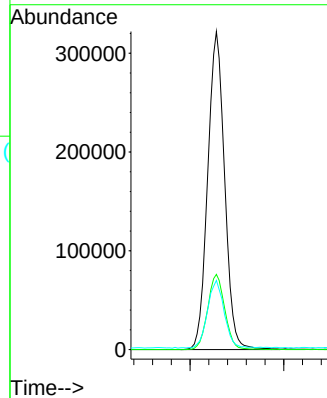
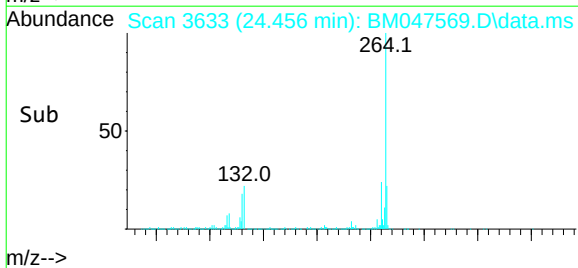
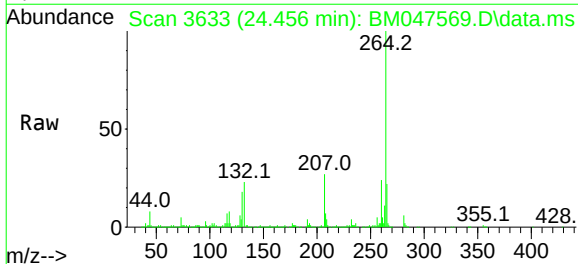
Tgt Ion:264 Resp: 806711

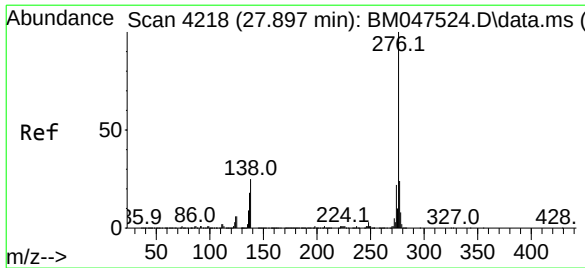
Ion Ratio Lower Upper

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# 4218

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		

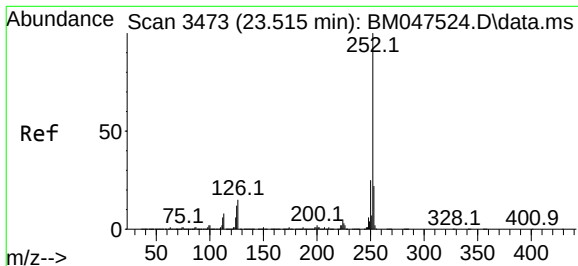
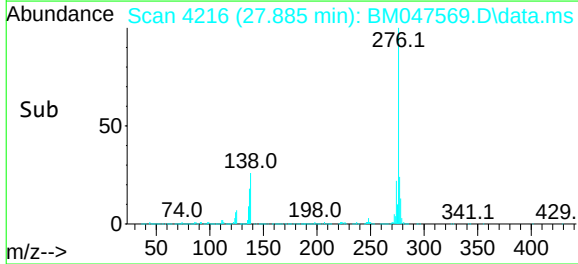
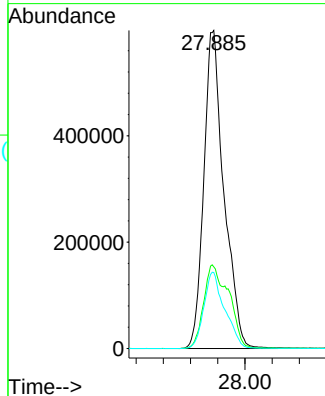
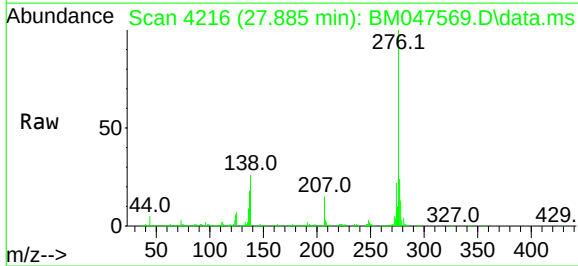
138	32.7	25.0	37.6

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

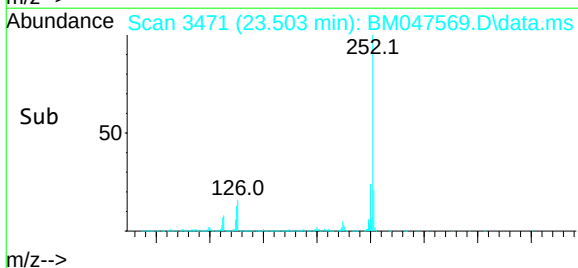
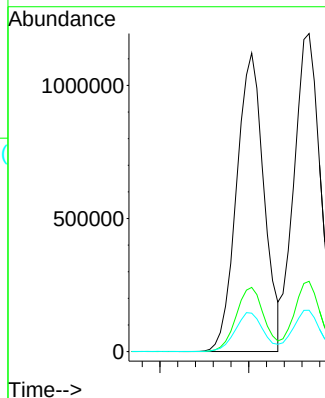
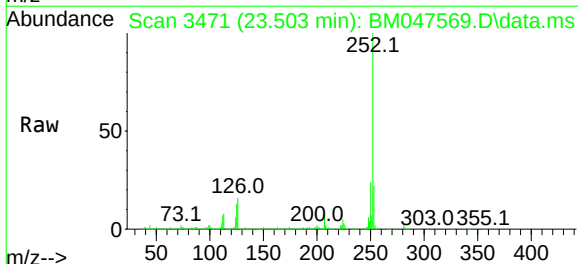
Tgt Ion:252 Resp: 2406481

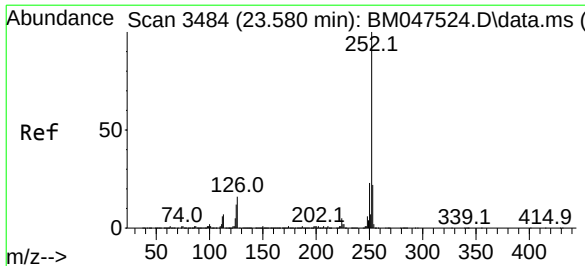
Ion	Ratio	Lower	Upper

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

Instrument :

BNA_M

ClientSampleId :

PB163318BSD

Tgt Ion:252 Resp: 2482785

Ion Ratio Lower Upper

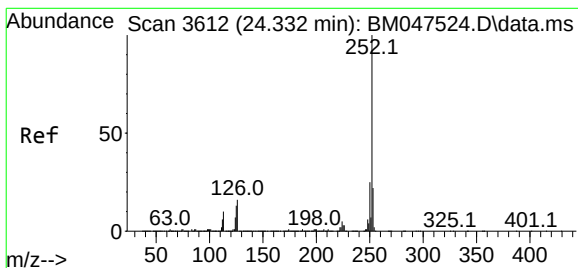
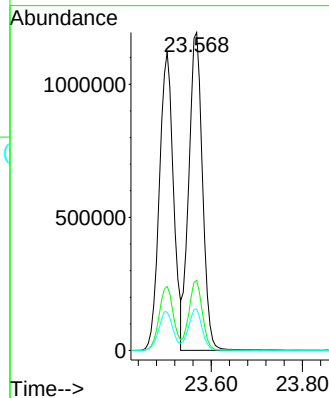
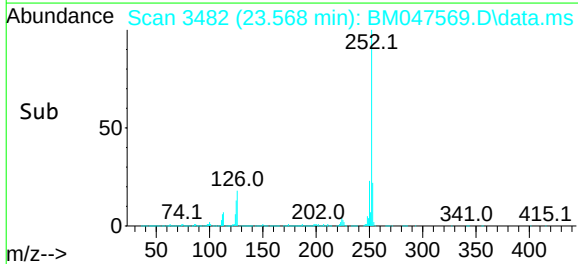
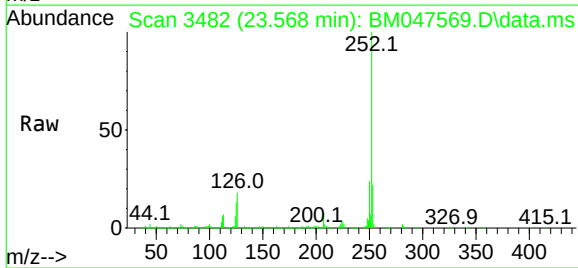
252 100

253 22.1 17.8 26.6

125 13.0 9.5 14.3

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

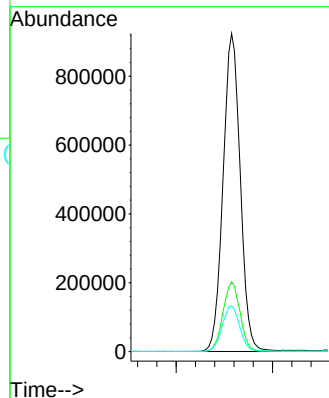
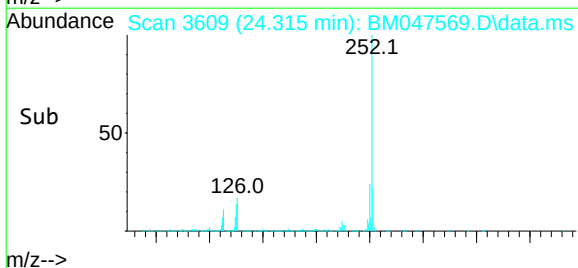
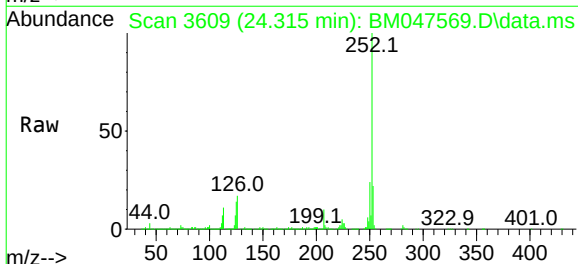
Tgt Ion:252 Resp: 2282601

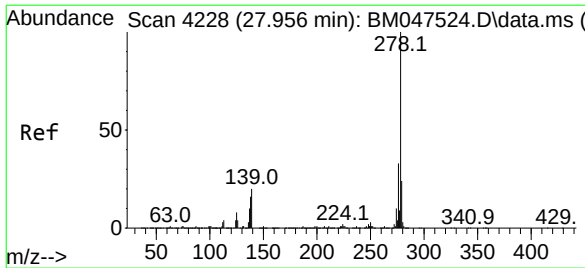
Ion Ratio Lower Upper

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

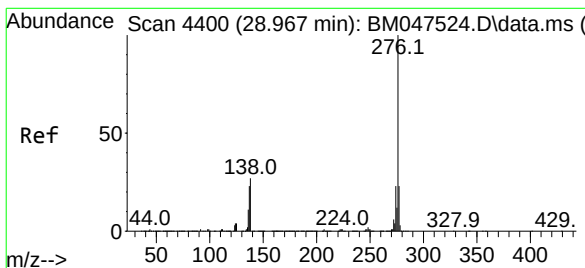
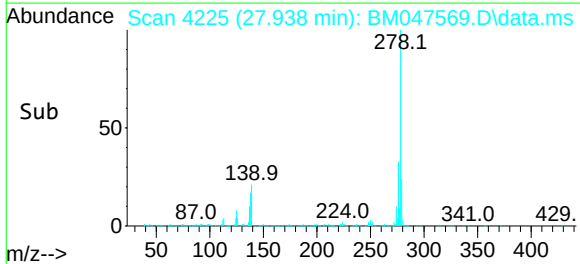
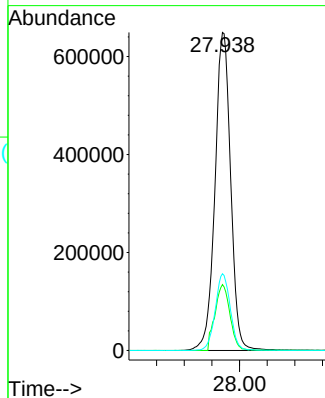
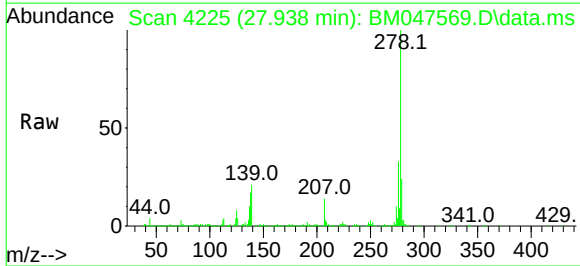
Tgt Ion:278 Resp: 2557213

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

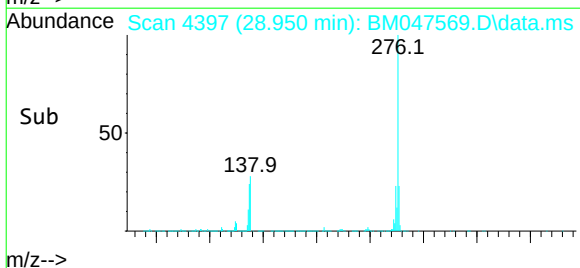
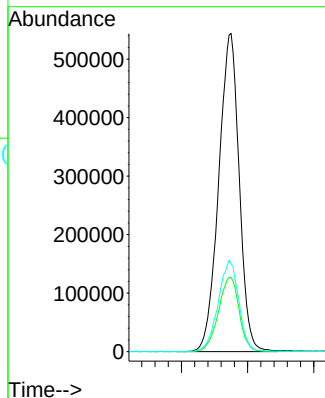
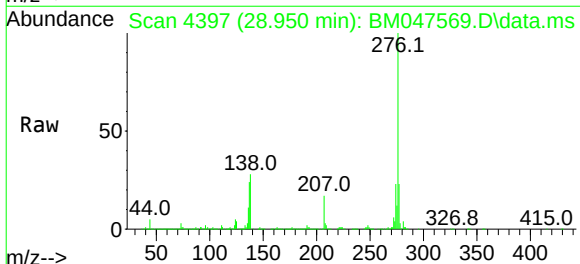
Delta R.T. -0.017 min

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



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



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

Manual Integration Report

Sequence:

BM091624

Instrument

BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM047533.D	2,2"-oxybis(1-Chloropropane)	yogesh	9/17/2024 1:35:59 AM	mohammad	9/17/2024 2:01:24 AM	Peak Integrated by Software
SSTDCCC040	BM047533.D	Pyridine	yogesh	9/17/2024 1:35:59 AM	mohammad	9/17/2024 2:01:24 AM	Peak Integrated by Software

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

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM091624

Review By	yogesh	Review On	9/17/2024 1:36:04 AM		
Supervise By	mohammad	Supervise On	9/17/2024 2:01:24 AM		
SubDirectory	BM091624	HP Acquire Method	BNA_M	HP Processing Method	BM091424
STD. NAME		STD REF.#			
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628				
CCC	SP6624				
Internal Standard/PEM	S12315,10ul/1000ul sample				
ICV/I.BLK	SP6559				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047532.D	16 Sep 2024 09:36	RC/JU	Ok
2	SSTDCCC040	BM047533.D	16 Sep 2024 10:16	RC/JU	Ok,M
3	PB163318BL	BM047534.D	16 Sep 2024 11:00	RC/JU	Ok
4	P3845-03	BM047535.D	16 Sep 2024 12:56	RC/JU	Dilution
5	P3845-03DL	BM047536.D	16 Sep 2024 16:12	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM091624

Review By	yogesh	Review On	9/17/2024 1:36:04 AM
Supervise By	mohammad	Supervise On	9/17/2024 2:01:24 AM
SubDirectory	BM091624	HP Acquire Method	BNA_M
		HP Processing Method	BM091424

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12315,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM047532.D	16 Sep 2024 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047533.D	16 Sep 2024 10:16	CCC fail high side for com. #77	RC/JU	Ok,M
3	PB163318BL	PB163318BL	BM047534.D	16 Sep 2024 11:00		RC/JU	Ok
4	P3845-03	PT-BN-WP	BM047535.D	16 Sep 2024 12:56	PT Sample-Need 5X Dilution.	RC/JU	Dilution
5	P3845-03DL	PT-BN-WPDL	BM047536.D	16 Sep 2024 16:12		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch 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

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Welgh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3574 **Hood ID:** 4,5,6,7

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

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

Standarded 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
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 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/12/24	RL (Ext. Lab)	RC/SVOC
13:45	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 09/12/2024

Sample ID	Client Sample ID	Test	g / ^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
PB163318BS D	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 relinquished on the same date as received.

[Signature]
9/12/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3940 WorkList ID : 183415 Department : Extraction Date : 09-12-2024 08:38:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3845-03	PT-BN-WP	Water	SVOCMS Group1	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8270E
P3845-06	PT-ACIDS-WP	Water	SVOCMS Group2	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8270E
P3845-22	RR-TRIAZINE-WP	Water	SVOCMS Group6	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8270E
P3940-01	AST-2024-4036-PRIM	Water	SVOC-TCL BNA -20	Cool 4 deg C	WIND03	H53	08/29/2024	8270E

Date/Time 09/12/24 8:40
Raw Sample Received by: RJ (Ser (w))
Raw Sample Relinquished by: JO (CSM)

Date/Time 09/12/24 9:05
Raw Sample Received by: JO (CSM)
Raw Sample Relinquished by: RJ (Ser (w))

Prep Standard - Chemical Standard Summary

Order ID : P3845

Test : SVOCMS Group1

Prepbatch ID : PB163318,

Sequence ID/Qc Batch ID: BF091424,BF091424,BF091624,BF091624,BM091624,BM091624,BM091924,BM091924,BM092324,

Standard ID :

EP2523,EP2524,EP2532,SP6524,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,SP6594,SP6595,SP6604,SP6620,SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628,

Chemical ID :

10ul/1000ul

sample,E3551,E3657,E3744,E3768,E3780,E3786,E3791,M5037,S10103,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11085,S11093,S11097,S11098,S11103,S11138,S11141,S11159,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,S12077,S12078,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12113,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12275,S12314,S12315,S12316,S12449,S12450,S12451,S12452,S12453,W3112,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2523	08/14/2024	02/14/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/14/2024
<u>FROM</u>	1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2524	08/14/2024	12/15/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024
<u>FROM</u> 1000.00000ml of M5037 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2532	08/30/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/30/2024
FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

[illegible]

[illegible]

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6559	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024
<u>FROM</u>	0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = Final Quantity: 1.010 ml							

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

[illegible]

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3764	8270/625 Stock solution 100 ng	SP6620	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024
<u>FROM</u>	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							

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

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

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, CH ₂ Cl ₂ , 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

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

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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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

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

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

[CS 4978-1]

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

[CS 4978-1]

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]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

[CS 4978-1]

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11567

[CS 4978-1]

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12098

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12099

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12100

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12101

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12102

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12103

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12104

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

[CS 4978-2]

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

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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12121

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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

CHEMICAL RECEIPT LOG BOOK

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, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12449

[CS 4978-1]

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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12450

[CS 4978-1]

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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12451

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12452

[CS 4978-1]

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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

[CS 4978-1]

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



5580 Skylane Blvd
Santa Rosa, CA 95403

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Rev 0

Page 1 of 1

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

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
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 gravimetrically.



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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

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

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*Not a certified value

Certified By: _____

Jacob Mulloy
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
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

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Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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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
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CG
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Certified By: _____

Shane Overcash
Chemist

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Catalog No.: Lot No.: **Storage:** **Solvent:** **Exp. Date:** **Description:**
Z-112090 440246 $\leq -10^{\circ}\text{C}$ Methylene Chloride 2/16/2026 CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 $\pm$ 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 $\pm$ 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 $\pm$ 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 $\pm$ 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

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All weights are traceable through N. I. S. T. Test No. 822/264157-00.
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Certified By: _____

Erica Castiglione
Chemist



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02/07/23 by CG

Sheet S11096
to
S11099

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Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Brianna Smith

Certified By: _____

Brianna 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 gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 495831

Expiration Date: 10/30/2027

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

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Briana Smith
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to
S11099

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Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Brianna Smith

Certified By:

Brianna 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 gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 495831

Expiration Date: 10/30/2027

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
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
Chemist

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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on
03/10/22
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 Gravimetric +/- 45.7132 µg/mL Unstressed +/- 66.0037 µg/mL Stressed
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 (Lot Q117-147) Purity 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL Gravimetric +/- 45.8508 µg/mL Unstressed +/- 66.2023 µg/mL Stressed
3	Benzidine CAS # 92-87-5 (Lot 211228JLM) Purity 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL Gravimetric +/- 45.9318 µg/mL Unstressed +/- 66.3193 µg/mL Stressed
4	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL Gravimetric +/- 45.8954 µg/mL Unstressed +/- 66.2667 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

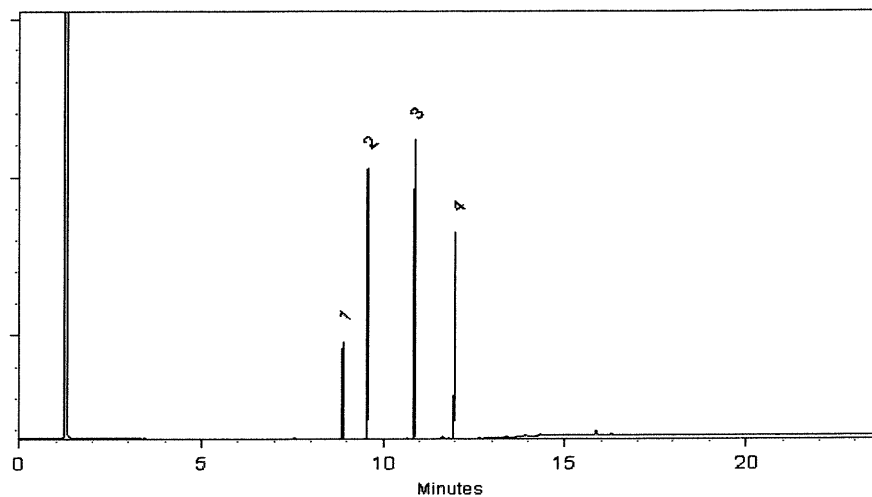
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022

Balance: B345965662

Marlene Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
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Gravimetric Certificate



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. : 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

Received by
CG ON
05/18/22
S10393
+U
S10402

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		+/- 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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No.: 555868 Lot No.: A0186373
Description: Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: June 30, 2025 Storage: 10°C or colder
Handling: Contains carcinogen/reproductive toxin. Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL Unstressed
	Purity 99%		+/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - 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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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. : 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

Received by
CG on
12/28/22
S10951
FO
S10980

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL 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:

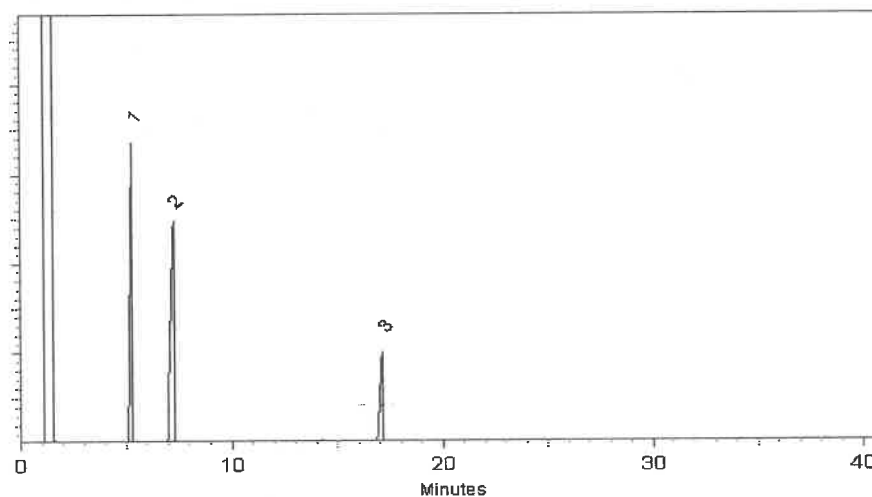
250°C

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



ISO 17034 Accredited
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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

Received by
CG on
12/28/22
S10951
FO
S10980

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL 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:

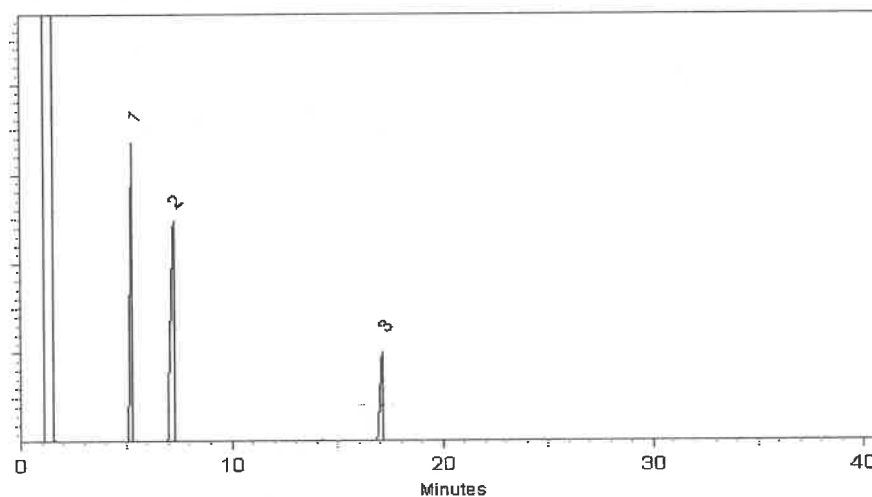
250°C

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
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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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
 CAS # 67-56-1
 Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

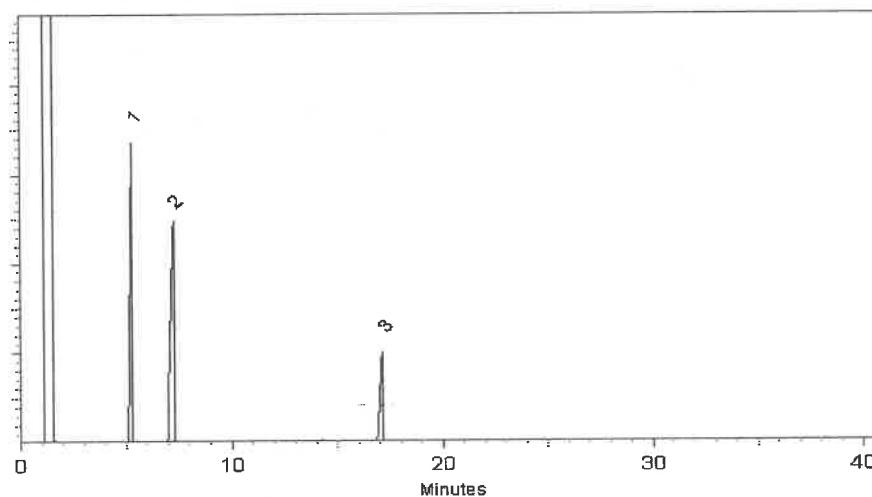
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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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

Received by
CG on
12/28/22
S10951
FO
S10980

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

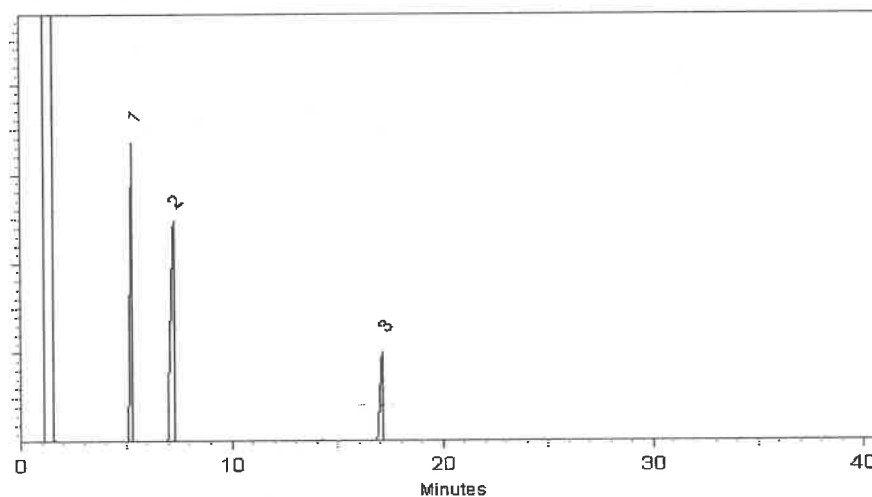
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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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. : 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

Received by
CG on
12/28/22
S10951
to
S10980

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL 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:

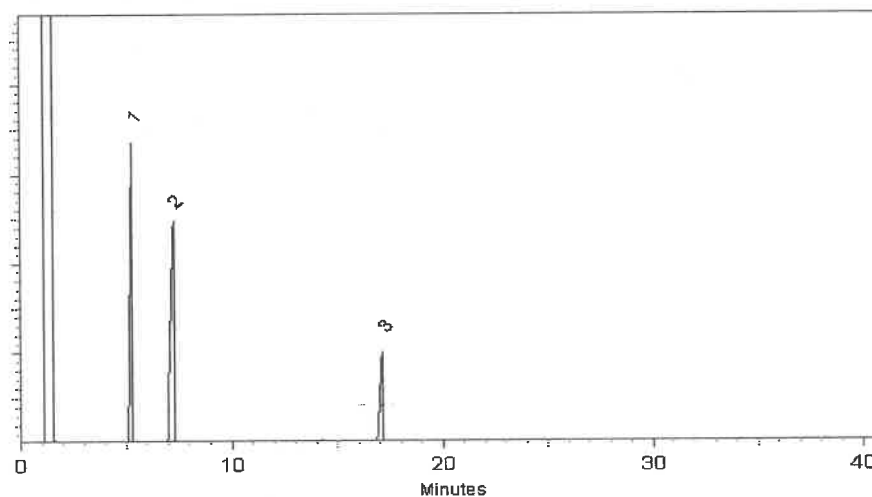
250°C

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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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. : 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

Received by
CG on
12/28/22
S10951
FO
S10980

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL 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:

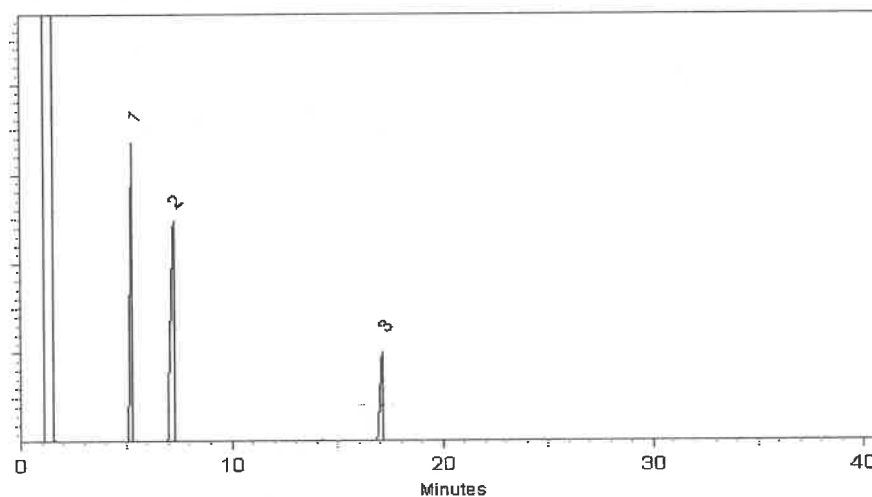
250°C

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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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. : 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

Received by
CG on
12/28/22
\$10981
to
S11010

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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

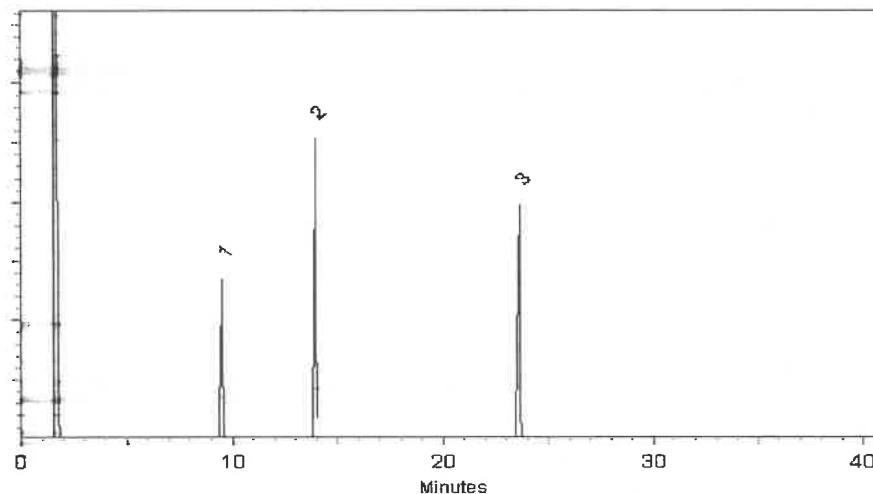
250°C

Det. Temp:

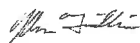
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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. : 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

Received by
CG on
12/28/22
\$10981
to
S11010

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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

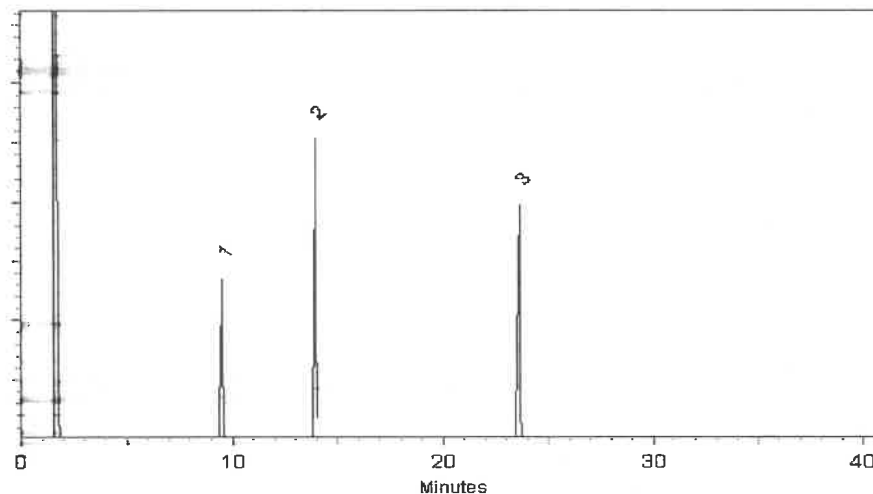
250°C

Det. Temp:

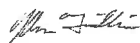
330°C

Det. Type:

FID



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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG on
12/28/22
\$10981
to
S11010

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

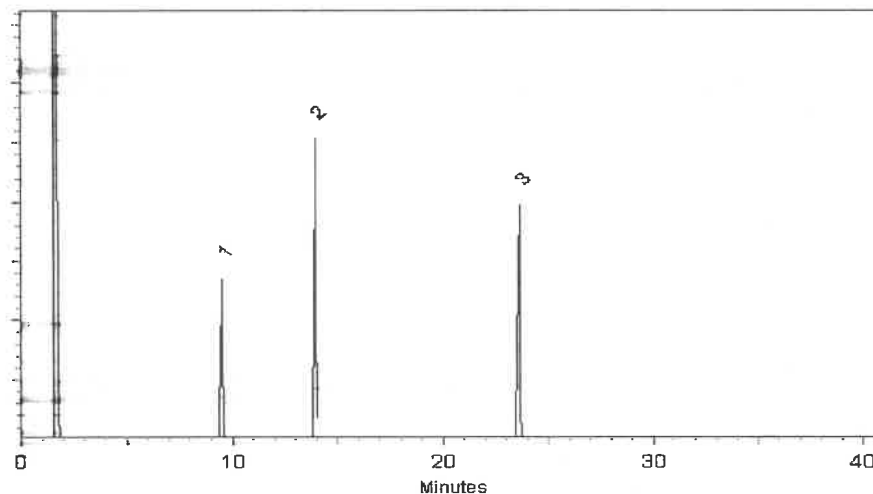
250°C

Det. Temp:

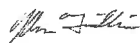
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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Certificate of Analysis



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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. : 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

Received by
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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

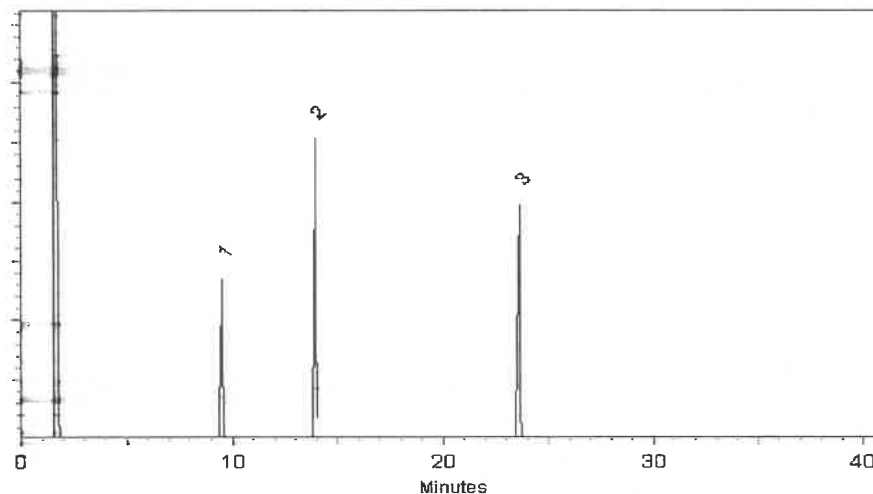
250°C

Det. Temp:

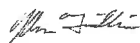
330°C

Det. Type:

FID



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
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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

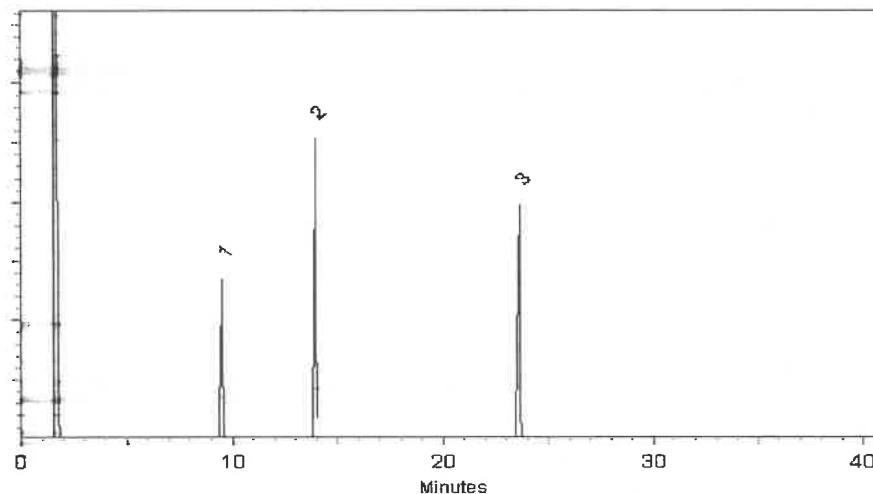
250°C

Det. Temp:

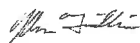
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

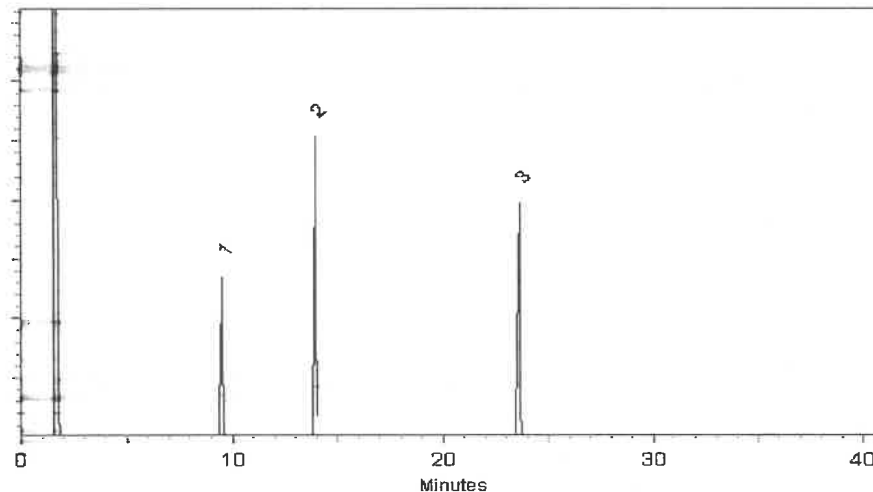
250°C

Det. Temp:

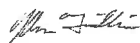
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
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to
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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL 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:

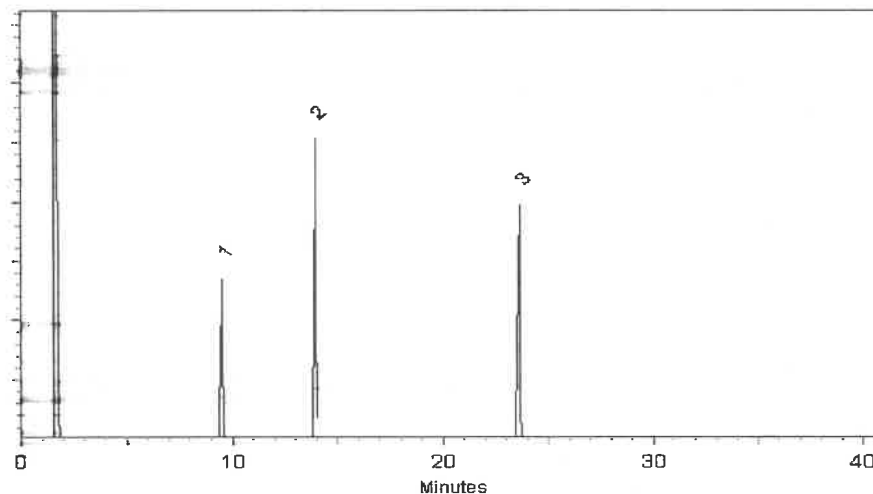
250°C

Det. Temp:

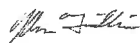
330°C

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
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Certificate #FM 80397



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Received by
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to
S11010

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

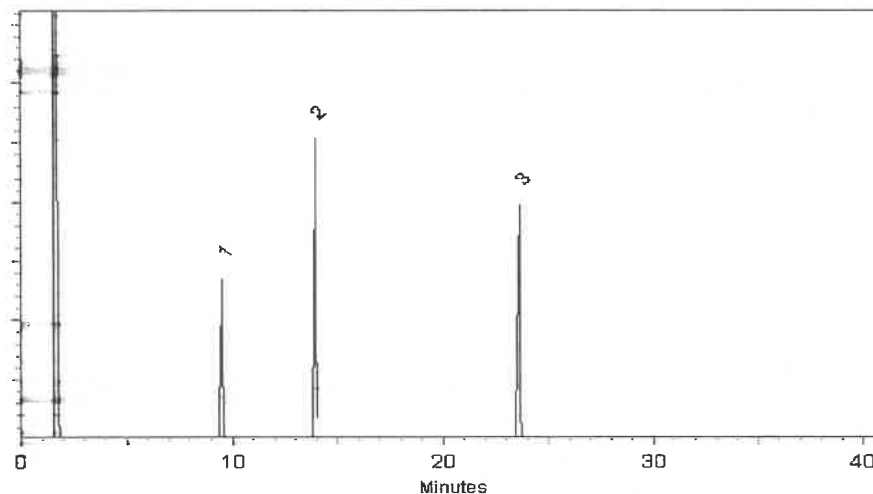
250°C

Det. Temp:

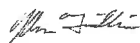
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555872 **Lot No.:** A0193449
Description: Custom Pentachlorophenol Standard
Custom Pentachlorophenol Standard 25,000µg/mL, Methanol,
1mL/ampul
Container Size: 2 mL **Pkg Amt:** > 1 mL
Expiration Date: January 31, 2026 **Storage:** 10°C or colder
Ship: Ambient

Received on
01/13/23
by
CG
S11011
+0
S11015

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer

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/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek®
Registered Quality
Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the
ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD,
LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A
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isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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
imum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily
Γ 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
tards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom
rm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,
ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek
Registered Quality
Certificate #FM1

ified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
ty, 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.
ues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

age factor of 2, which gives a level of confidence of approximately 95%.
ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure
nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily
traceable weights, and/or dilutions with Class A glassware.

;
the unopened product, when stored in compliance with the recommended conditions, is guaranteed through
ion displayed on the product label and certificate. Contact Restek for additional opened product stability
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des complete instructions.
solved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



**PRODUCTOS
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MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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 R3 on 7/24/23 E 3551

RC-02-01, Ed. 3



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:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

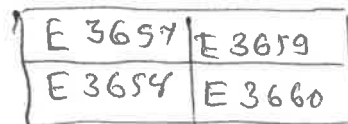
This document has been electronically produced and is valid without a signature.

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.



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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) ₂ CO) (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
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 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

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

 **avantors**™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

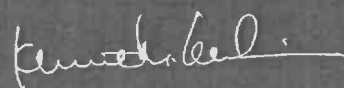
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 7/24/24

E 3780



Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	< 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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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 ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F10024

E 3791

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700
Page 1 of 1

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantorsm



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 ₂ SO ₄)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO ₂)	<= 2 ppm	< 2
Ammonium (NH ₄)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO ₃)	<= 0.2 ppm	< 0.1
Phosphate (PO ₄)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

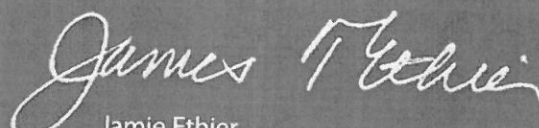
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



5580 Skyline 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

Page 1 of 1

Catalog No.: Lot No.:	Storage:	Solvent:	Exp. Date:	Rev	Description:
Z-110094-02 506889	≤ -10 °C	Methylene Chloride	7/25/2028	0	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 } Y.P.
↓ 08/11/2023
511498

*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 gravimetrically.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555223 Lot No.: A0201940
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: September 30, 2025 Storage: 10°C or colder
Handling: This product is photosensitive. Ship: Ambient

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↓
51568
} 7.P.
09/19/

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%						

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Sam Moodler - Operations Tech I

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555223
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL
Expiration Date: September 30, 2025
Handling: This product is photosensitive.
Lot No.: A0201940
Pkg Amt: > 1 mL
Storage: 10°C or colder
Ship: Ambient

511539
↓
51568
} 7.P.
09/19/

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%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Sam Moodler - Operations Tech I

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/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555223 **Lot No.:** A0201940
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL **Pkg Amt:** > 1 mL
Expiration Date: September 30, 2025 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

511539



51568

Y.P.
09/19/

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%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Sam Moodler - Operations Tech I

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:

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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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



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
↓
51568
} 7.P.
09/19/

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%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

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Date Mixed: 13-Sep-2023

Balance: B345965662

Manufactured under Restek's ISO 9001:2015
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General Certified Reference Material Notes

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CERTIFIED REFERENCE MATERIAL

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.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

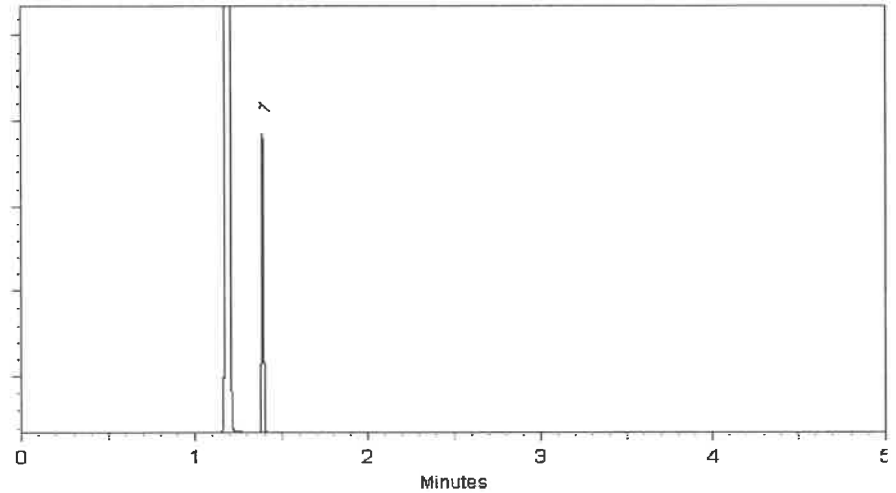
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
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 of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

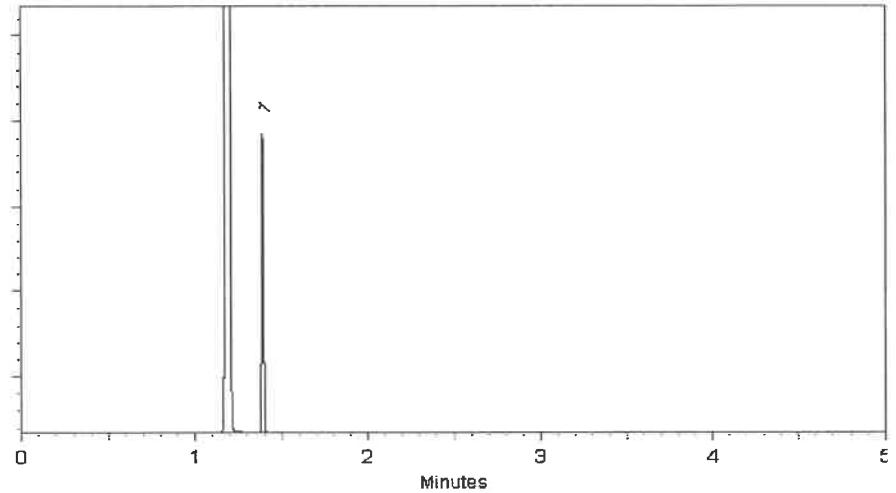
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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:

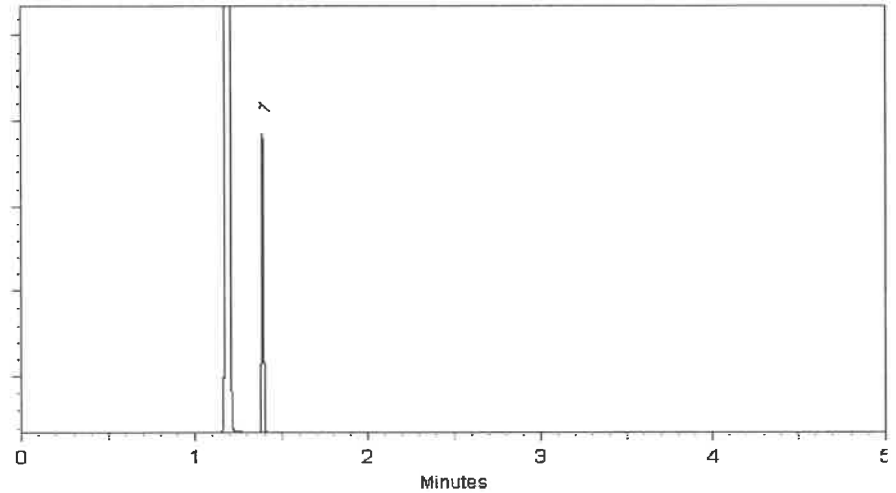
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 Balance Serial # B707717271

Jennifer Pollino
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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Manufacturing Notes:

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chromatographic plus



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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:

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@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

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Det. Temp:

340°C

Det. Type:

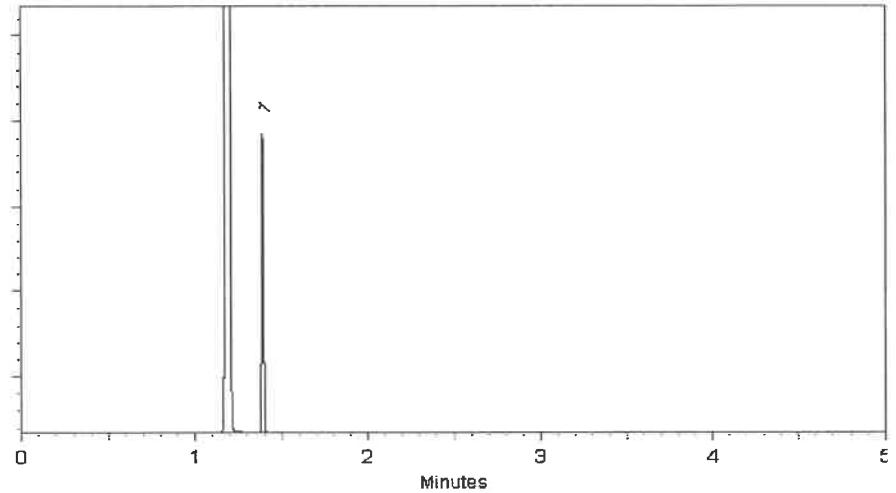
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
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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- 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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Fax: 1-814-353-1309

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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.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

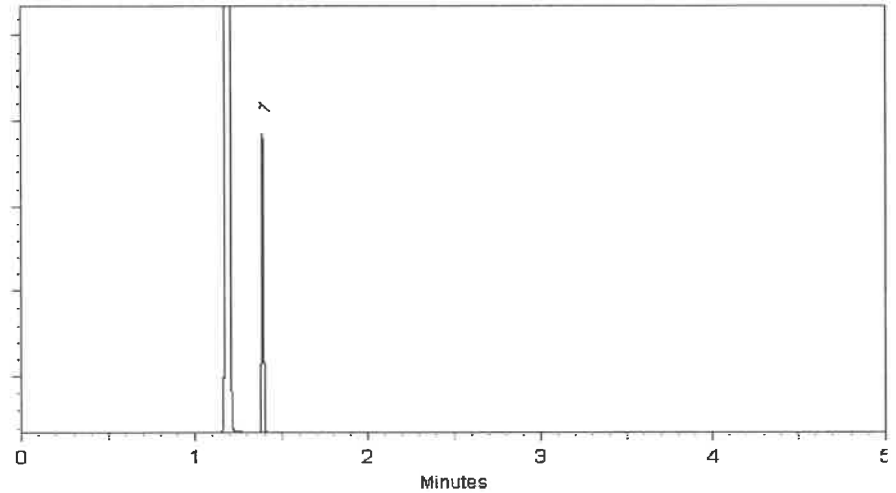
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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Catalog No. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride,
1mL/ampul

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

S12013
↓
S12042 } RC
12/26/23

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:

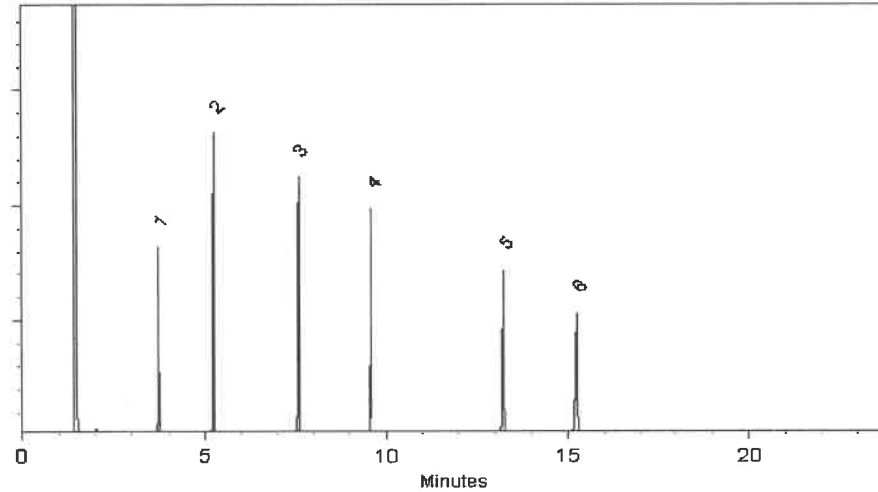
FID

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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Catalog No. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride,
1mL/ampul

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

S12013
↓
S12042 } RC
12/26/23

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:

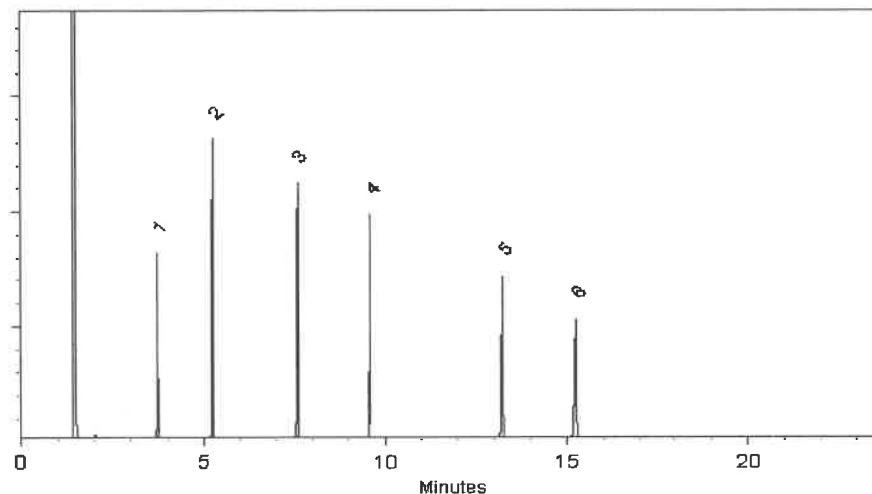
FID

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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Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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

912075 } RC
↓
912079 } 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 gravimetrically.



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Rev 0

Page 1 of 1

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

912075 } RC
↓
912079 } 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
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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 gravimetrically.



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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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
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Solvent: Methylene chloride
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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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
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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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:	
Z-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

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

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 gravimetrically.



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:	
Z-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

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

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 gravimetrically.



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



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

512117 } RC/
↓ 03/18/24
512146 }

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	BCKK0887	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%



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



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

512117 } RC/
↓ 03/18/24
512146 }

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	BCKK0887	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%



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



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

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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	BCKK0887	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



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

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↓ 03/18/24
512146 }

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	BCKK0887	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%



110 Benner Circle
Bellefonte, PA 16823-8812
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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.

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

512117 } RC/
↓ 03/18/24
512146 }

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	BCKK0887	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%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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

512117 } RC/
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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	BCKK0887	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%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
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6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
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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

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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	BCKK0887	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%



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



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

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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	BCKK0887	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%



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



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

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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	BCKK0887	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%



110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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.

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

512117 } RC/
↓ 03/18/24
512146 }

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	BCKK0887	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%



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	$\leq -10^{\circ}\text{C}$	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 $\pm$ 11.49

512275 } RC/
↓
512279 } 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 gravimetrically.



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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** 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

S12312 } RC/
↓ 05/30/24
S12331

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:

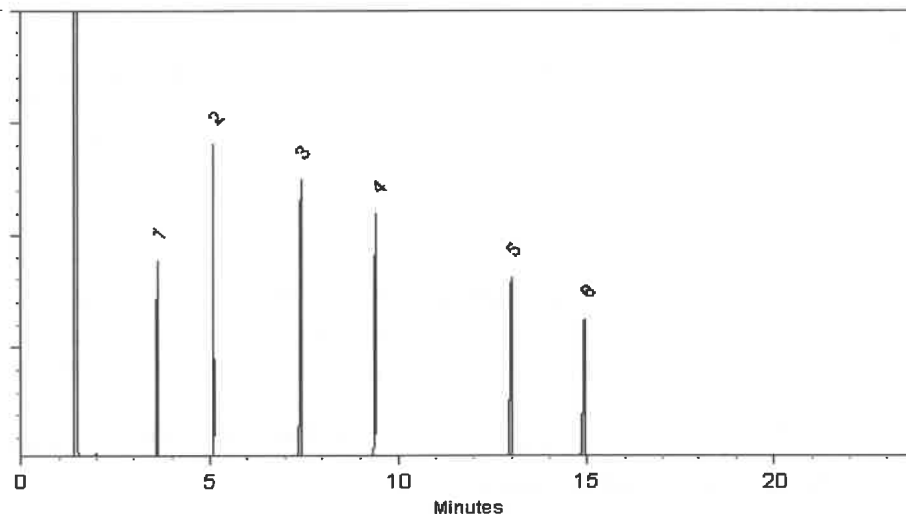
FID

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
Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
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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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** 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

S12312 } RC/
↓ 05/30/24
S12331

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:

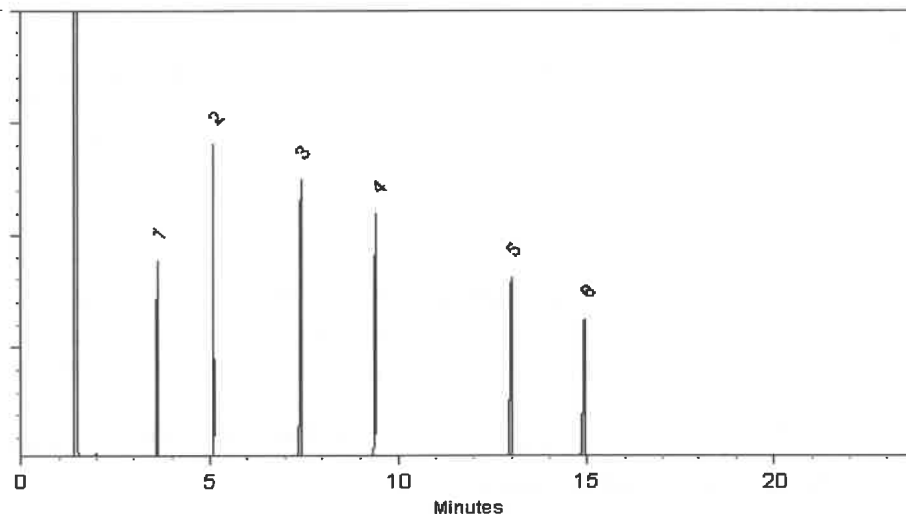
FID

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
Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
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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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** 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

S12312 } RC/
↓ 05/30/24
S12331

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:

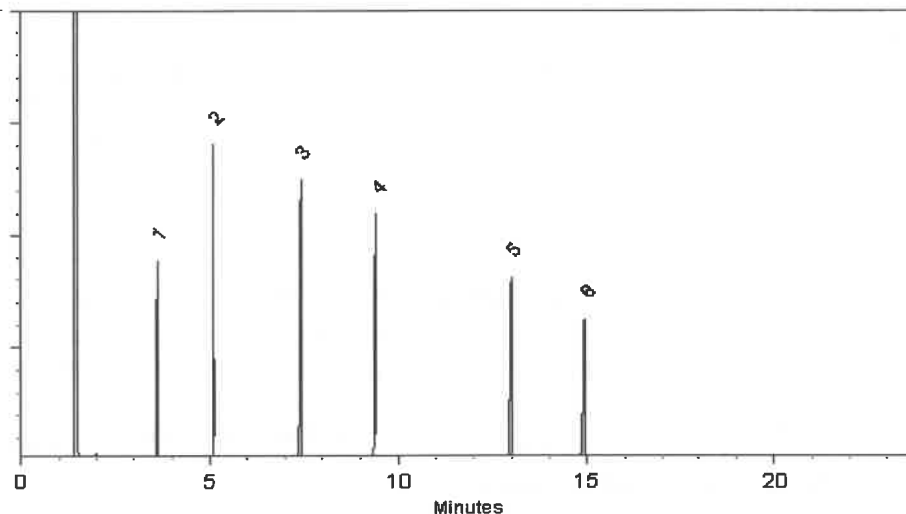
FID

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
Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** 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 } RC/
↓
S12508 } 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/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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Handling: This product is photosensitive. **Ship:** Ambient

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Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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SHIPPING DOCUMENTS

Packing List

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

Date	Order #
09/03/2024	318988



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

Packing List

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Golden, CO 80403

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Date	Order #
09/03/2024	318988



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Mountainside, NJ 07092
USA

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9/5/2024
9:50

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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



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